

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : RFP 916

**WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410**

**ORDER ID : Q3176
ATTENTION : Smita Sumbaly**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3176

Project ID : RFP 916

Client : Weston Solutions, Inc.

Lab Sample Number

Q3176-01
Q3176-02
Q3176-03

Client Sample Number

EME-TS12-01
EME-TS13-01
EME-TS14-02

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

Signature :

APPROVED

By Sohil Jodhani, QA/QC Director at 3:44 pm, Oct 02, 2025

Date: 10/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 916

Project # N/A

Order ID # Q3176

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 09/23/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The %RSD is greater than 20% in the Initial Calibration method (82W082625S.M) for Methylene chloride passing on Quadratic regression.

The Continuous Calibration File ID VW032241.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Calculation:

Low Level Soil Calculation in ug/Kg dry weight basis

$(A \times I_s) / (Df)$

$(Ais) (RRF) (Ws) (D)$

Where

Ax = Area for the compound to be measured

Ais = Area for the specific internal standard

Is = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

Df = Dilution factor

Ws= Weight of sample

D= $\frac{100 - \% \text{moisture}}{100}$

F. Additional Comments:

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

Trip Blank was not provided with this set of samples.

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

G. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Sohil Jodhani, QA/QC Director at 3:44 pm, Oct 02, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3176

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82W082625S.M) for Methylene chloride passing on Quadratic regression. The Continuous Calibration File ID VW032241.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

Trip Blank was not provided with this set of samples.

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

QA REVIEW

APPROVED

By Sohil Jodhani, QA/QC Director at 3:44 pm, Oct 02, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3176

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/02/2025

LAB CHRONICLE

OrderID:	Q3176	OrderDate:	9/24/2025 10:16:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 916
Contact:	Smita Sumbaly	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3176-01	EME-TS12-01	SOIL	VOC-TCLVOA-10	8260D	09/23/25		09/24/25	09/23/25
Q3176-02	EME-TS13-01	SOIL	VOC-TCLVOA-10	8260D	09/23/25		09/24/25	09/23/25
Q3176-03	EME-TS14-02	SOIL	VOC-TCLVOA-10	8260D	09/23/25		09/24/25	09/23/25

Hit Summary Sheet
SW-846

SDG No.: Q3176

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:



QC SUMMARY

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Surrogate Summary

SDG No.: Q3176

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3176-01	EME-TS12-01	1,2-Dichloroethane-d4	50	65.0	130		63	155
		Dibromofluoromethane	50	56.5	113		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	45.8	92		17	146
Q3176-02	EME-TS13-01	1,2-Dichloroethane-d4	50	66.5	133		63	155
		Dibromofluoromethane	50	56.9	114		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	46.0	92		17	146
Q3176-03	EME-TS14-02	1,2-Dichloroethane-d4	50	68.0	136		63	155
		Dibromofluoromethane	50	55.5	111		70	134
		Toluene-d8	50	50.7	101		74	123
		4-Bromofluorobenzene	50	41.6	83		17	146
VW0924SBL01	VW0924SBL01	1,2-Dichloroethane-d4	50	58.3	117		63	155
		Dibromofluoromethane	50	54.6	109		70	134
		Toluene-d8	50	52.4	105		74	123
		4-Bromofluorobenzene	50	46.4	93		17	146
VW0924SBS01	VW0924SBS01	1,2-Dichloroethane-d4	50	49.6	99		63	155
		Dibromofluoromethane	50	51.3	103		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VW0924SBSD0	VW0924SBSD01	1,2-Dichloroethane-d4	50	50.4	101		63	155
		Dibromofluoromethane	50	49.9	100		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	50.4	101		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3176	SW-846	Analytical Method:	SW8260D
Client:	Weston Solutions, Inc.	Datafile :	VW032243.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0924SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			64	136	
	Chloromethane	20	19.6	ug/Kg	98			52	151	
	Vinyl chloride	20	20.8	ug/Kg	104			56	148	
	Bromomethane	20	20.4	ug/Kg	102			58	141	
	Chloroethane	20	20.1	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	16.7	ug/Kg	84			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	18.5	ug/Kg	93			59	130	
	Methyl tert-butyl Ether	20	19.2	ug/Kg	96			77	129	
	Methyl Acetate	20	20.5	ug/Kg	103			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			72	131	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	18.8	ug/Kg	94			76	122	
	2-Butanone	100	96.4	ug/Kg	96			69	131	
	Carbon Tetrachloride	20	19.7	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			82	123	
	Bromochloromethane	20	20.9	ug/Kg	104			80	127	
	Chloroform	20	20.5	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			80	126	
	Methylcyclohexane	20	18.5	ug/Kg	93			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			81	126	
	Trichloroethene	20	20.0	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	95.9	ug/Kg	96			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			78	124	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	95.7	ug/Kg	96			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	20.7	ug/Kg	104			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.7	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	20.3	ug/Kg	102			82	124	
	Bromoform	20	20.1	ug/Kg	101			75	127	
	Isopropylbenzene	20	18.2	ug/Kg	91			82	124	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3176</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>VW032243.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0924SBS01	1,2-Dibromo-3-Chloropropane	20	17.9	ug/Kg	90			66	134	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3176	SW-846	Analytical Method:	SW8260D
Client:	Weston Solutions, Inc.	Datafile :	VW032244.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0924SBSD01	Dichlorodifluoromethane	20	20.0	ug/Kg	100	4		64	136	20
	Chloromethane	20	19.1	ug/Kg	96	2		52	151	20
	Vinyl chloride	20	19.9	ug/Kg	100	4		56	148	20
	Bromomethane	20	20.1	ug/Kg	101	1		58	141	20
	Chloroethane	20	20.4	ug/Kg	102	1		69	130	20
	Trichlorofluoromethane	20	18.9	ug/Kg	95	12		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/Kg	98	4		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	3		79	121	20
	Acetone	100	110	ug/Kg	110	0		40	171	20
	Carbon disulfide	20	18.0	ug/Kg	90	3		59	130	20
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99	3		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	1		69	149	20
	Methylene Chloride	20	19.9	ug/Kg	100	0		72	131	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	7		80	123	20
	1,1-Dichloroethane	20	19.8	ug/Kg	99	3		82	123	20
	Cyclohexane	20	18.5	ug/Kg	93	1		76	122	20
	2-Butanone	100	110	ug/Kg	110	14		69	131	20
	Carbon Tetrachloride	20	19.6	ug/Kg	98	1		76	129	20
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95	5		82	123	20
	Bromochloromethane	20	20.7	ug/Kg	104	0		80	127	20
	Chloroform	20	20.2	ug/Kg	101	2		82	125	20
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101	1		80	126	20
	Methylcyclohexane	20	18.0	ug/Kg	90	3		77	123	20
	Benzene	20	20.3	ug/Kg	102	0		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	2		81	126	20
	Trichloroethene	20	19.8	ug/Kg	99	1		83	122	20
	1,2-Dichloropropane	20	20.4	ug/Kg	102	1		83	122	20
	Bromodichloromethane	20	19.9	ug/Kg	100	1		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	20.2	ug/Kg	101	2		83	122	20
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96	0		78	124	20
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	0		81	122	20
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	1		82	125	20
	2-Hexanone	100	110	ug/Kg	110	14		66	138	20
	Dibromochloromethane	20	19.8	ug/Kg	99	1		79	125	20
	1,2-Dibromoethane	20	20.4	ug/Kg	102	3		80	125	20
	Tetrachloroethene	20	19.8	ug/Kg	99	5		83	125	20
	Chlorobenzene	20	20.2	ug/Kg	101	2		84	122	20
	Ethyl Benzene	20	19.5	ug/Kg	98	1		82	124	20
	m/p-Xylenes	40	40.5	ug/Kg	101	1		83	124	20
	o-Xylene	20	19.3	ug/Kg	97	3		83	123	20
	Styrene	20	19.8	ug/Kg	99	3		82	124	20
	Bromoform	20	21.4	ug/Kg	107	6		75	127	20
	Isopropylbenzene	20	18.4	ug/Kg	92	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	4		77	127	20
	1,3-Dichlorobenzene	20	18.9	ug/Kg	95	3		83	122	20
	1,4-Dichlorobenzene	20	19.0	ug/Kg	95	4		84	121	20
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	5		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3176</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>VW032244.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0924SBSD01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99	10		66	134	20
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95	1		78	127	20
	1,2,3-Trichlorobenzene	20	19.9	ug/Kg	100	8		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0924SBL01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3176

Lab File ID: VW032242.D

Lab Sample ID: VW0924SBL01

Date Analyzed: 09/24/2025

Time Analyzed: 14:37

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0924SBS01	VW0924SBS01	VW032243.D	09/24/2025
VW0924SBSD01	VW0924SBSD01	VW032244.D	09/24/2025
EME-TS12-01	Q3176-01	VW032245.D	09/24/2025
EME-TS13-01	Q3176-02	VW032246.D	09/24/2025
EME-TS14-02	Q3176-03	VW032247.D	09/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: ROYF02Lab Code: ACESDG NO.: Q3176Lab File ID: VW032136.DBFB Injection Date: 08/26/2025Instrument ID: MSVOA_WBFB Injection Time: 08:38GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	55.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.9 (7.7) 1
176	95.0 - 101.0% of mass 174	73.7 (96.7) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032137.D	08/26/2025	09:39
VSTDIC010	VSTDIC010	VW032138.D	08/26/2025	10:23
VSTDIC020	VSTDIC020	VW032139.D	08/26/2025	10:45
VSTDIC100	VSTDIC100	VW032141.D	08/26/2025	11:29
VSTDIC150	VSTDIC150	VW032142.D	08/26/2025	11:51
VSTDIC050	VSTDIC050	VW032144.D	08/26/2025	12:34

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VW032240.D
 Instrument ID: MSVOA_W
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: ROYF02
 SDG NO.: Q3176
 BFB Injection Date: 09/24/2025
 BFB Injection Time: 12:29
 Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.7 (97.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032241.D	09/24/2025	12:59
VW0924SBL01	VW0924SBL01	VW032242.D	09/24/2025	14:37
VW0924SBS01	VW0924SBS01	VW032243.D	09/24/2025	15:03
VW0924SBSD01	VW0924SBSD01	VW032244.D	09/24/2025	15:25
EME-TS12-01	Q3176-01	VW032245.D	09/24/2025	15:46
EME-TS13-01	Q3176-02	VW032246.D	09/24/2025	16:08
EME-TS14-02	Q3176-03	VW032247.D	09/24/2025	16:30

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3176
Lab File ID: VW032241.D Date Analyzed: 09/24/2025
Instrument ID: MSVOA_W Time Analyzed: 12:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	159364	7.97	285121	8.85	263383	11.63
UPPER LIMIT	318728	8.465	570242	9.349	526766	12.129
LOWER LIMIT	79682	7.465	142561	8.349	131692	11.129
EPA SAMPLE NO.						
EME-TS12-01	141823	7.97	277956	8.86	277180	11.64
EME-TS13-01	149631	7.96	293361	8.86	295825	11.64
EME-TS14-02	139143	7.97	296657	8.86	285057	11.64
VW0924SBL01	147112	7.96	291148	8.86	291337	11.64
VW0924SBS01	188130	7.96	324992	8.86	301220	11.64
VW0924SBSD01	194503	7.96	331261	8.85	306371	11.64

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ROYF02
 Lab Code: ACE SDG NO.: Q3176
 Lab File ID: VW032241.D Date Analyzed: 09/24/2025
 Instrument ID: MSVOA_W Time Analyzed: 12:59
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	147797	13.556				
UPPER LIMIT	295594	14.056				
LOWER LIMIT	73898.5	13.056				
EPA SAMPLE NO.						
EME-TS12-01	126415	13.56				
EME-TS13-01	140662	13.56				
EME-TS14-02	124449	13.56				
VW0924SBL01	144992	13.56				
VW0924SBS01	167865	13.56				
VW0924SBSD01	165345	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS12-01		SDG No.:	Q3176	
Lab Sample ID:	Q3176-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	66.1	
Sample Wt/Vol:	5.28	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032245.D	1	09/24/25 15:46	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	7.20	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	7.20	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.20	ug/Kg
74-83-9	Bromomethane	1.50	U	1.50	7.20	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.70	U	1.70	7.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	7.20	ug/Kg
67-64-1	Acetone	6.80	U	6.80	35.8	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	7.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	7.20	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	7.20	ug/Kg
75-09-2	Methylene Chloride	5.10	U	5.10	14.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	7.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	7.20	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.20	ug/Kg
78-93-3	2-Butanone	9.40	U	9.40	35.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.20	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	7.20	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.20	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.20	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.20	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.20	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	35.8	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.20	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS12-01		SDG No.:	Q3176	
Lab Sample ID:	Q3176-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	66.1	
Sample Wt/Vol:	5.28	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032245.D	1	09/24/25 15:46	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	7.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.89	U	0.89	7.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	35.8	ug/Kg
124-48-1	Dibromochloromethane	1.20	U	1.20	7.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.30	U	1.30	7.20	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.20	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.20	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	7.20	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	14.3	ug/Kg
95-47-6	o-Xylene	1.20	U	1.20	7.20	ug/Kg
100-42-5	Styrene	1.00	U	1.00	7.20	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.20	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	2.40	7.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	2.20	7.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	2.10	7.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	2.60	7.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.30	U	4.30	7.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.60	U	4.60	7.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.0		63 - 155	130%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		70 - 134	113%	SPK: 50
2037-26-5	Toluene-d8	53.0		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	7.965			
540-36-3	1,4-Difluorobenzene	278000	8.855			
3114-55-4	Chlorobenzene-d5	277000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.556			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS12-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.1
Sample Wt/Vol:	5.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032245.D	1	09/24/25 15:46	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Quant Time: Sep 25 08:14:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	141823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	277956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	277180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	126415	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131894	65.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.060%
35) Dibromofluoromethane	7.904	113	110207	56.513	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.020%
50) Toluene-d8	10.331	98	362691	52.979	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.960%
62) 4-Bromofluorobenzene	12.617	95	115841	45.760	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.520%

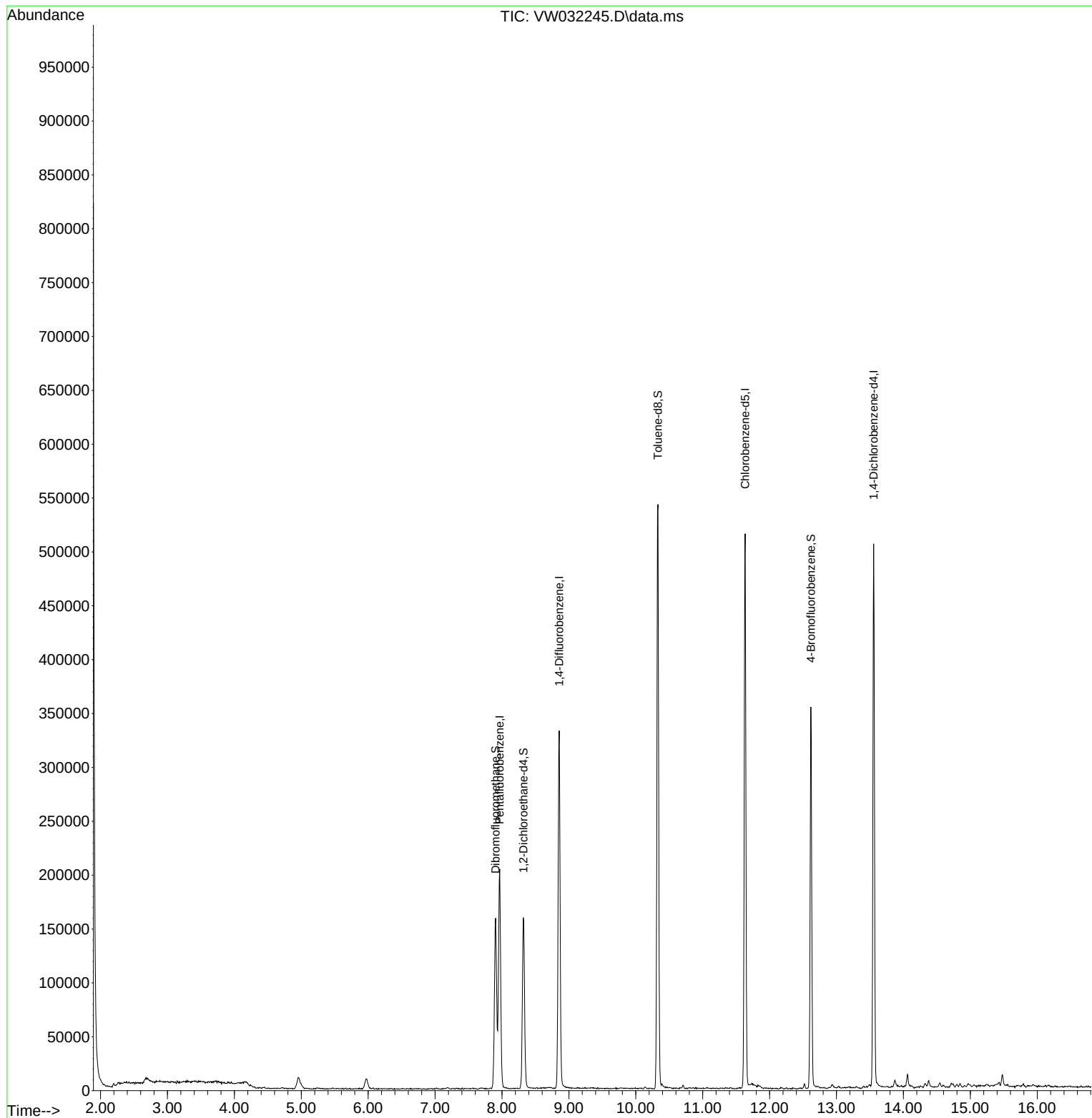
Target Compounds	Qvalue

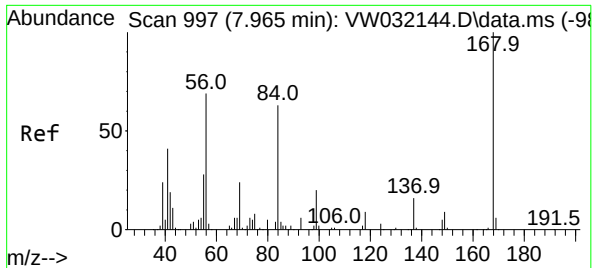
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Quant Time: Sep 25 08:14:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

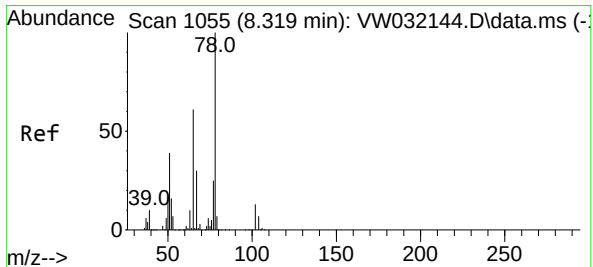
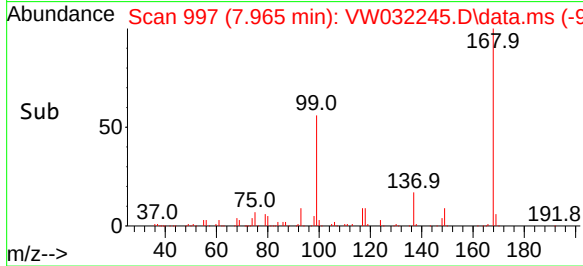
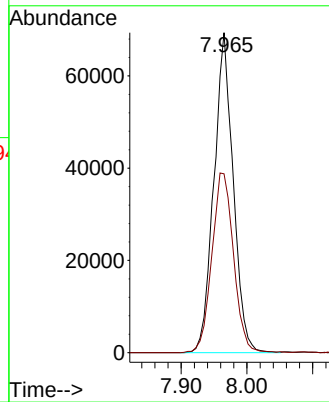
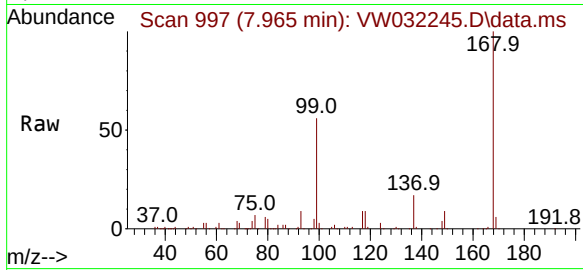




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

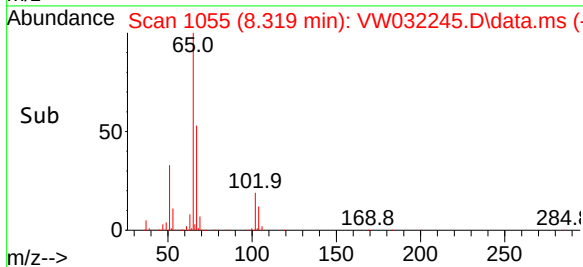
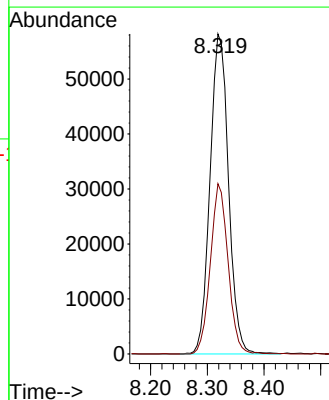
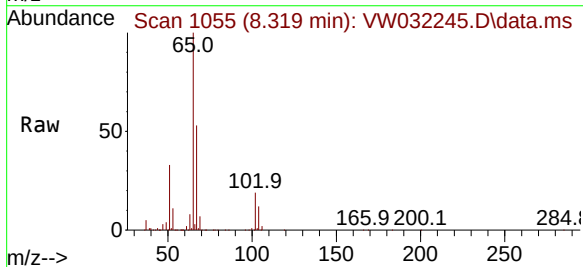
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

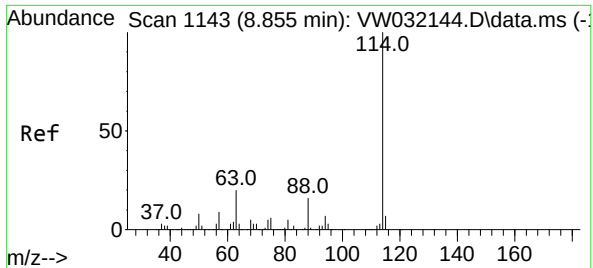
Tgt Ion:168 Resp: 141823
Ion Ratio Lower Upper
168 100
99 55.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.028 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 65 Resp: 131894
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

EME-TS12-01

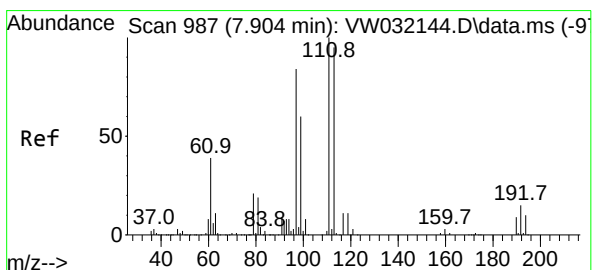
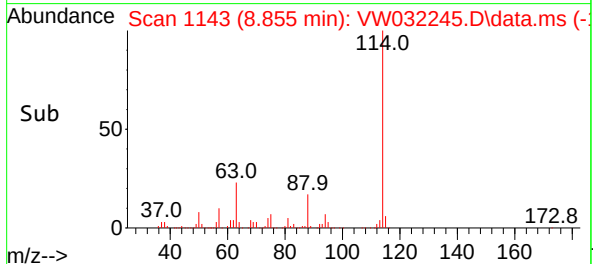
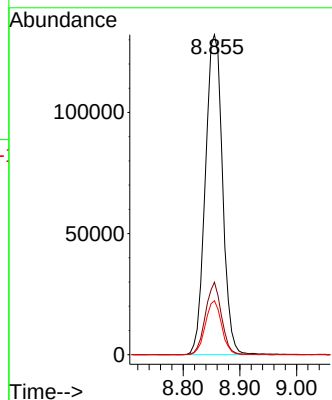
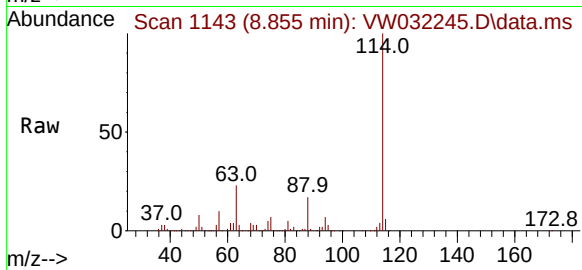
Tgt Ion:114 Resp: 277956

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.4

88 16.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 56.513 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

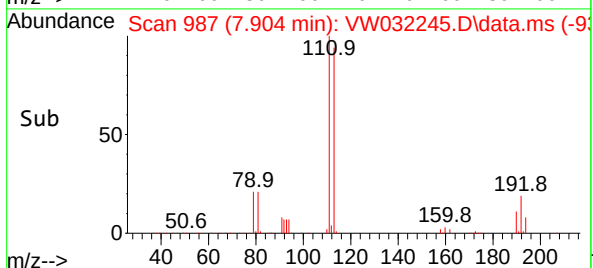
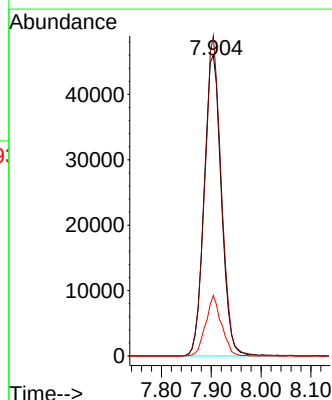
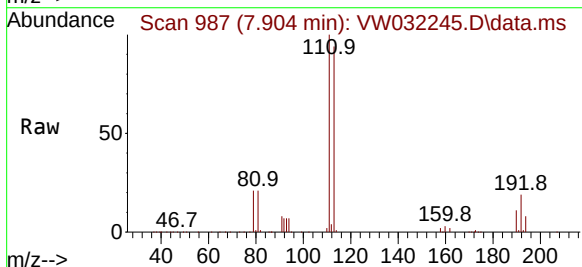
Tgt Ion:113 Resp: 110207

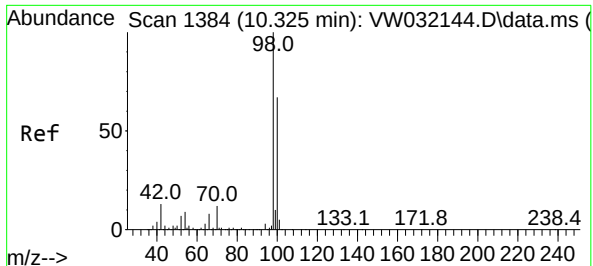
Ion Ratio Lower Upper

113 100

111 102.5 83.9 125.9

192 18.5 14.6 21.8





#50

Toluene-d8

Concen: 52.979 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

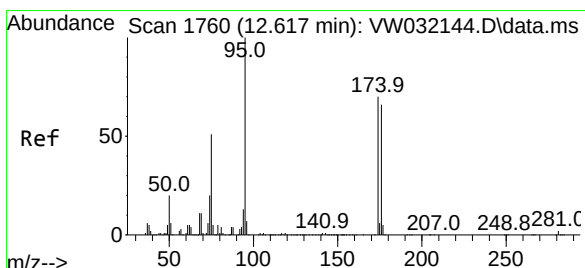
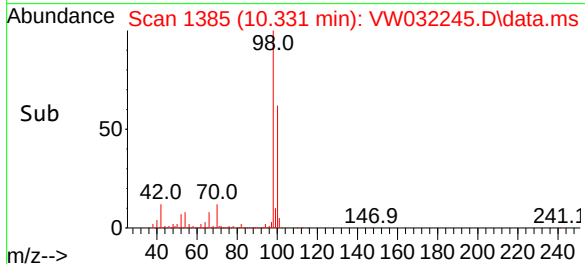
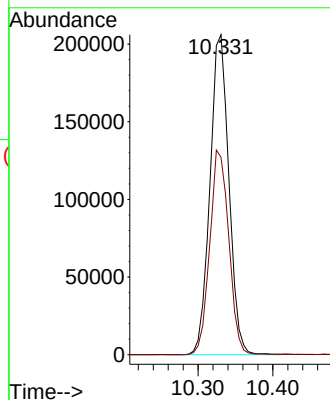
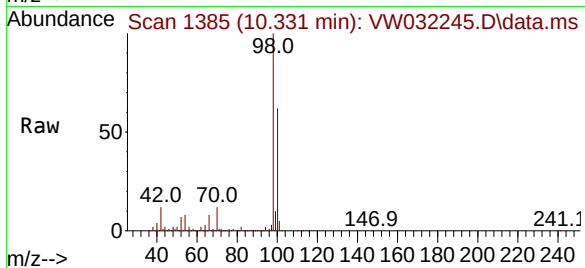
EME-TS12-01

Tgt Ion: 98 Resp: 362691

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 45.760 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

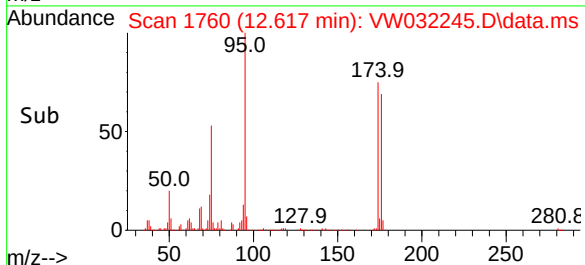
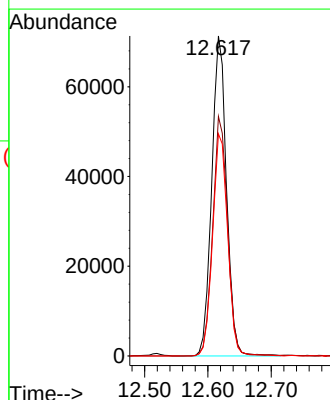
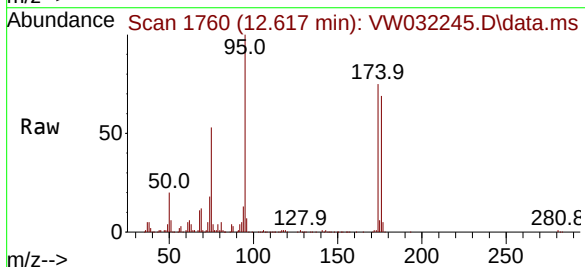
Tgt Ion: 95 Resp: 115841

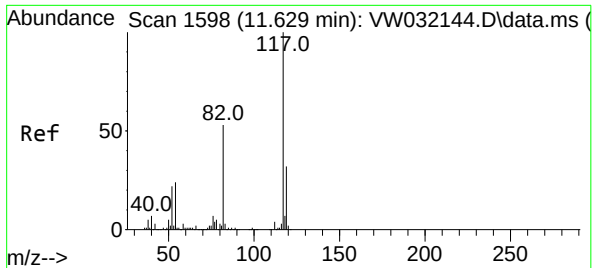
Ion Ratio Lower Upper

95 100

174 75.6 0.0 145.6

176 70.7 0.0 140.8

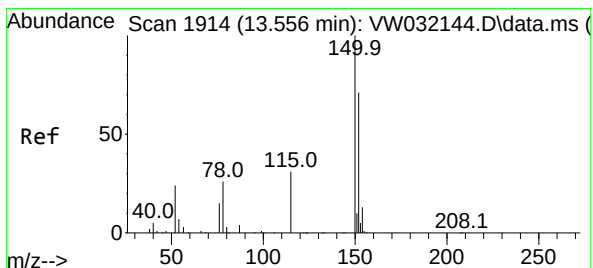
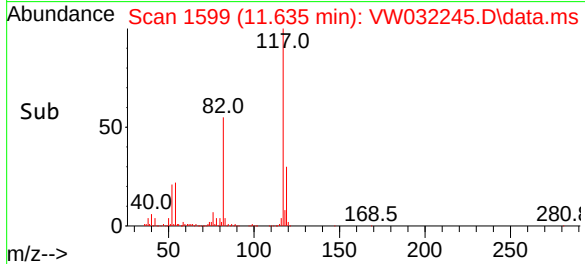
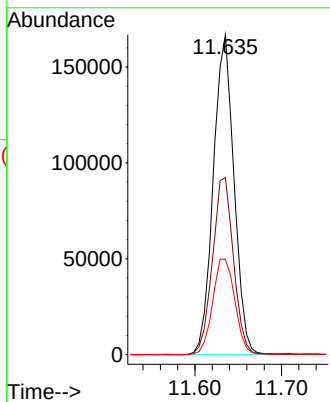
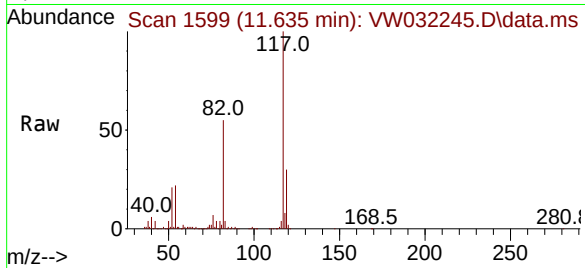




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

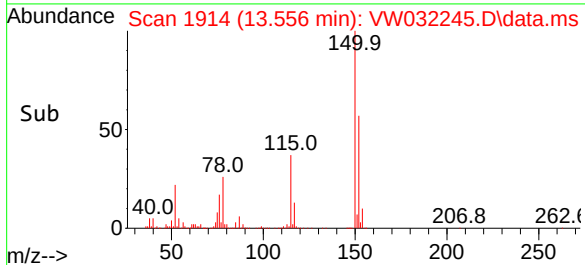
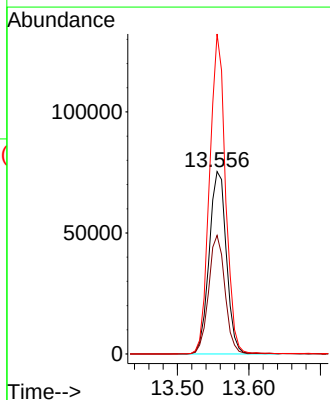
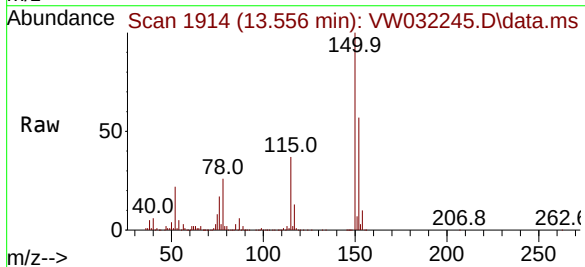
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.7	64.1
119	29.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.8	95.4
150	162.0	0.0	343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Title : SW846 8260

Signal : TIC: VW032245.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.953	494	503	518	rVB4	10367	39918	4.07%	0.759%
2	5.978	660	671	683	rBV5	9455	31774	3.24%	0.604%
3	7.904	977	987	992	rBV	158316	381121	38.84%	7.249%
4	7.965	992	997	1006	rVB	202711	436576	44.49%	8.304%
5	8.319	1046	1055	1069	rBV	158628	362364	36.93%	6.893%
6	8.855	1133	1143	1154	rBV	332006	684752	69.78%	13.025%
7	10.331	1376	1385	1393	rBV	542662	981288	100.00%	18.665%
8	11.635	1589	1599	1607	rBV	514751	883684	90.05%	16.809%
9	12.617	1749	1760	1772	rBV	354340	588342	59.96%	11.191%
10	13.556	1907	1914	1927	rBV	503536	810495	82.60%	15.416%
11	13.873	1961	1966	1972	rBV9	6295	12325	1.26%	0.234%
12	14.062	1992	1997	2002	rBV	10546	16416	1.67%	0.312%
13	14.379	2044	2049	2055	rVB6	5584	9902	1.01%	0.188%
14	15.476	2224	2229	2237	rBV	10079	18393	1.87%	0.350%

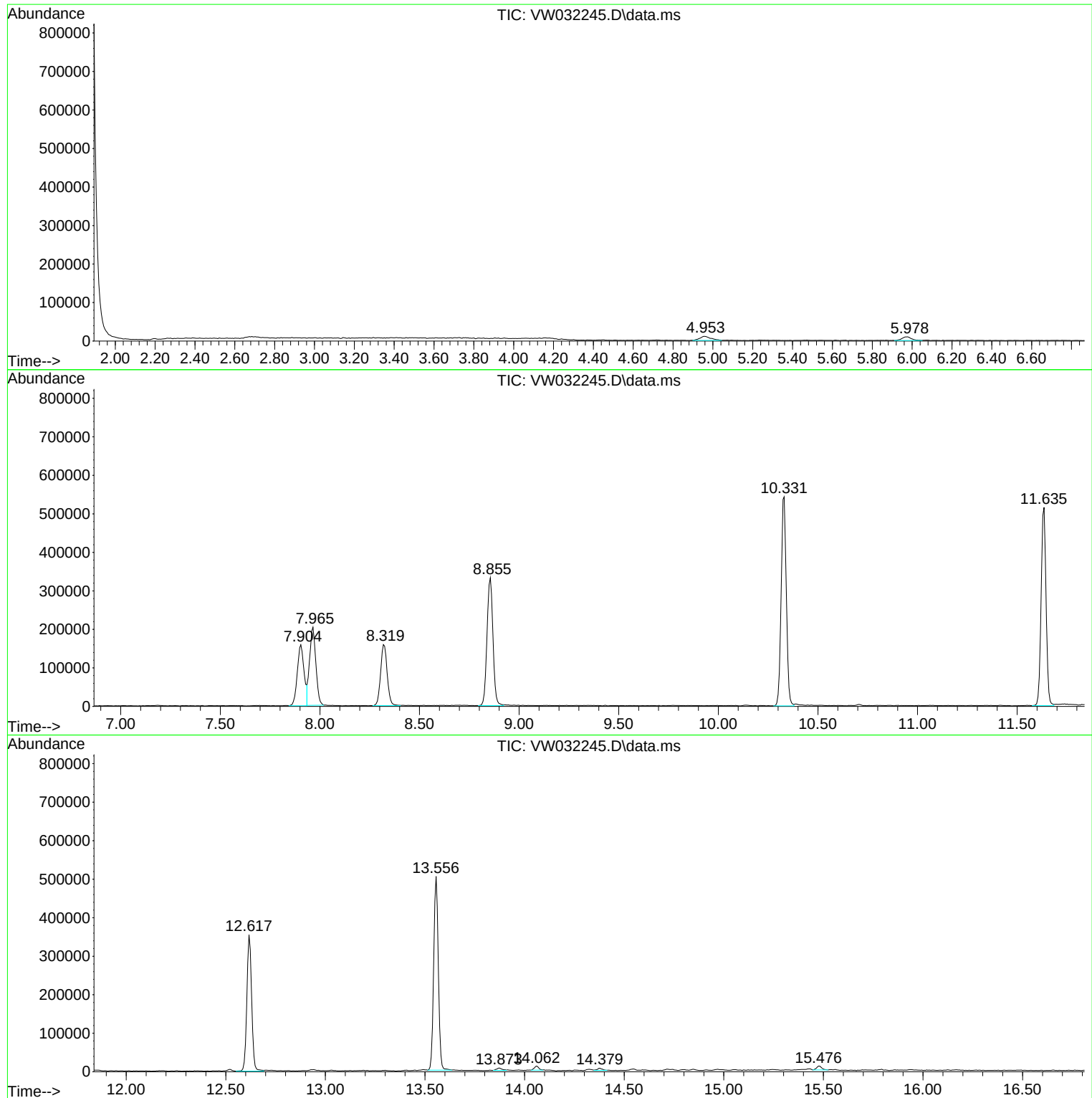
Sum of corrected areas: 5257350

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032245.D
Acq On : 24 Sep 2025 15:46
Operator : SY/MD
Sample : Q3176-01
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS13-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	68.4
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032246.D	1	09/24/25 16:08	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	7.20	ug/Kg
74-87-3	Chloromethane	1.70	U	1.70	7.20	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.20	ug/Kg
74-83-9	Bromomethane	1.50	U	1.50	7.20	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	7.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	7.20	ug/Kg
67-64-1	Acetone	6.90	U	6.90	36.2	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	7.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.20	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	7.20	ug/Kg
75-09-2	Methylene Chloride	5.10	U	5.10	14.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	7.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.20	U	1.20	7.20	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.20	ug/Kg
78-93-3	2-Butanone	9.50	U	9.50	36.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.20	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	7.20	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.20	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.20	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.20	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.20	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.20	U	5.20	36.2	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.20	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS13-01		SDG No.:	Q3176	
Lab Sample ID:	Q3176-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	68.4	
Sample Wt/Vol:	5.05	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032246.D	1	09/24/25 16:08	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	7.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.90	7.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	36.2	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	7.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.30	U	1.30	7.20	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.20	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.20	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.20	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	14.5	ug/Kg
95-47-6	o-Xylene	1.20	U	1.20	7.20	ug/Kg
100-42-5	Styrene	1.00	U	1.00	7.20	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.20	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1.80	7.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	2.50	7.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	2.30	7.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	2.10	7.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	7.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.30	U	4.30	7.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.60	U	4.60	7.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.5		63 - 155	133%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		70 - 134	114%	SPK: 50
2037-26-5	Toluene-d8	54.6		74 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	7.959			
540-36-3	1,4-Difluorobenzene	293000	8.855			
3114-55-4	Chlorobenzene-d5	296000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556			

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS13-01		SDG No.:	Q3176	
Lab Sample ID:	Q3176-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	68.4	
Sample Wt/Vol:	5.05	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032246.D	1	09/24/25 16:08	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Quant Time: Sep 25 08:14:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	149631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	293361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	295825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140662	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142320	66.507	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	133.020%
35) Dibromofluoromethane	7.898	113	117153	56.920	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.840%
50) Toluene-d8	10.331	98	394158	54.552	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.617	95	122884	45.993	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.980%

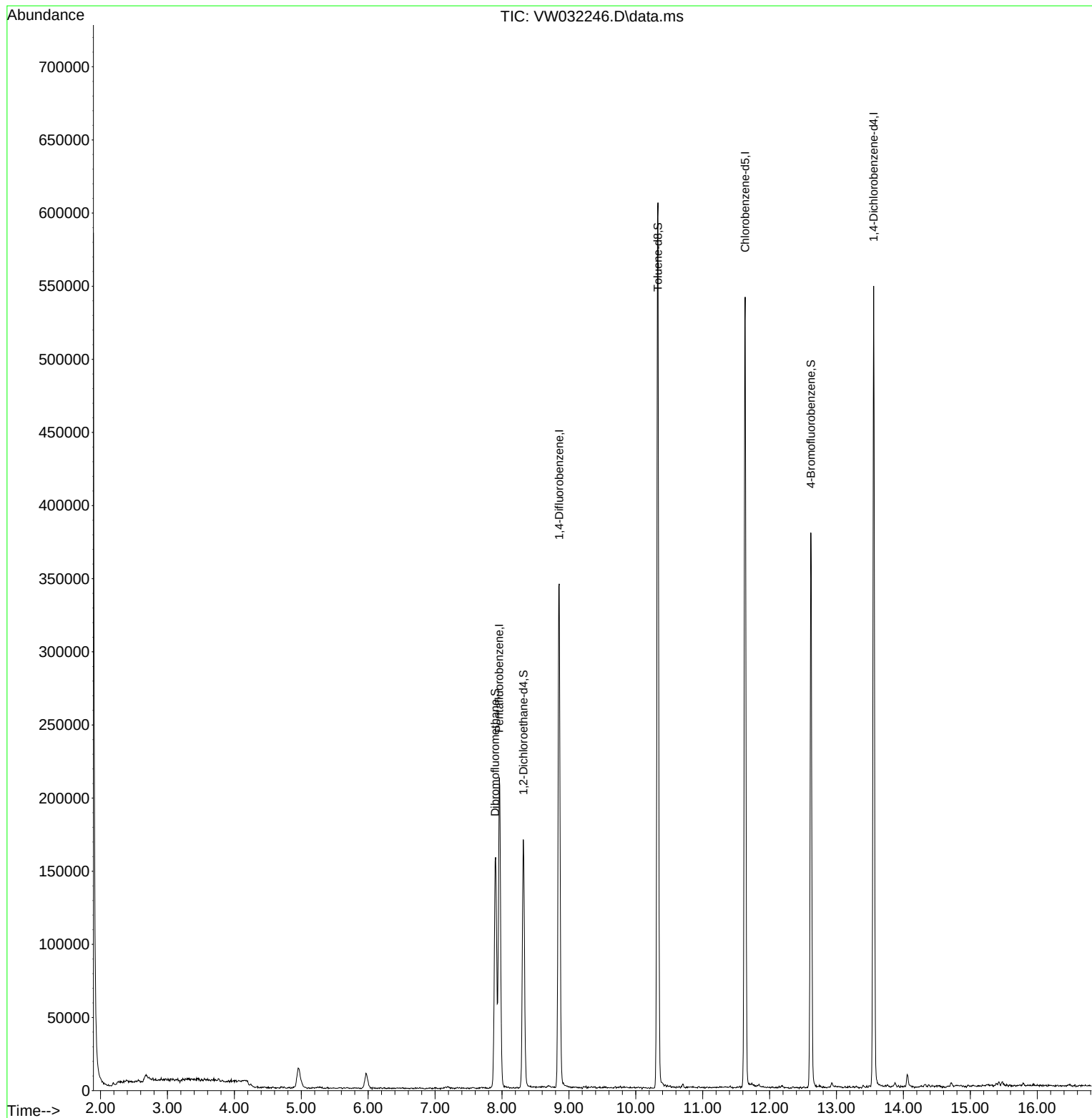
Target Compounds	Qvalue

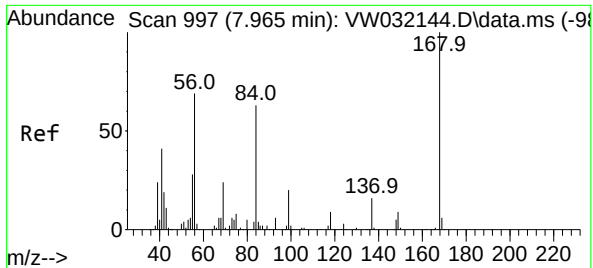
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Quant Time: Sep 25 08:14:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

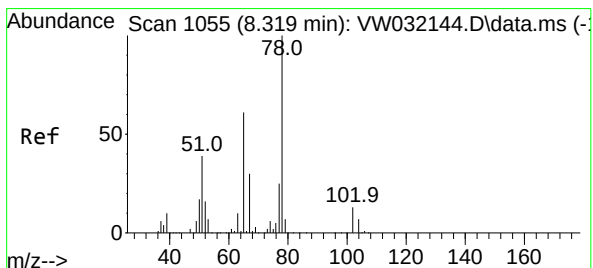
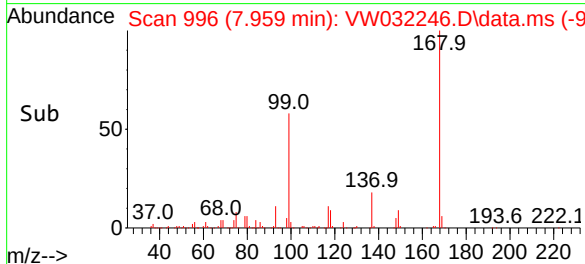
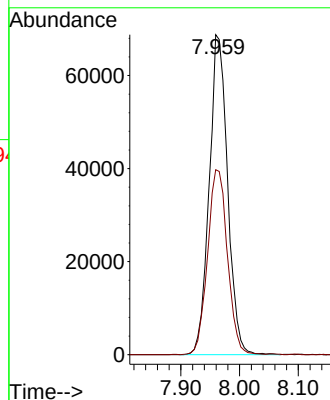
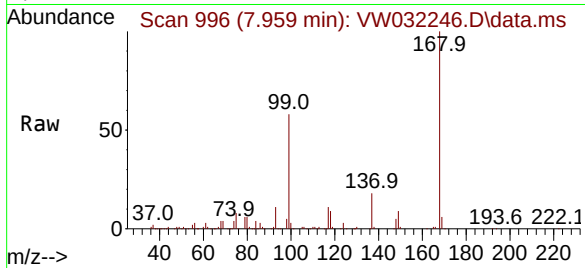




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

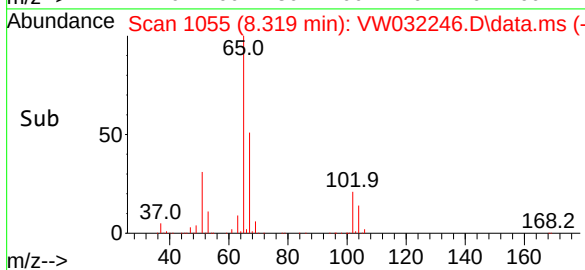
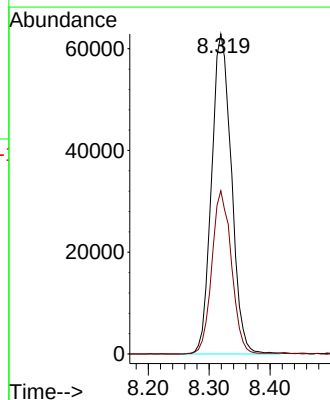
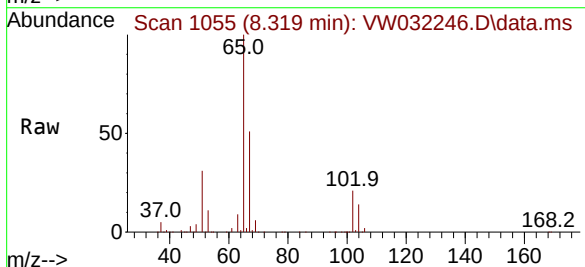
Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

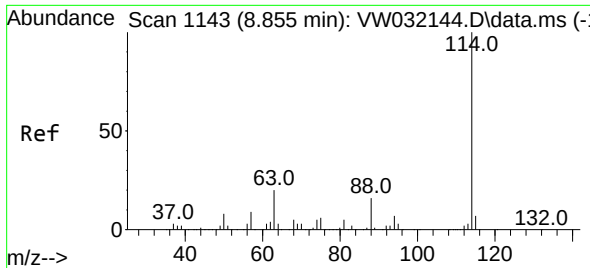
Tgt Ion:168 Resp: 149631
Ion Ratio Lower Upper
168 100
99 57.8 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 66.507 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 65 Resp: 142320
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

Instrument :

MSVOA_W

ClientSampleId :

EME-TS13-01

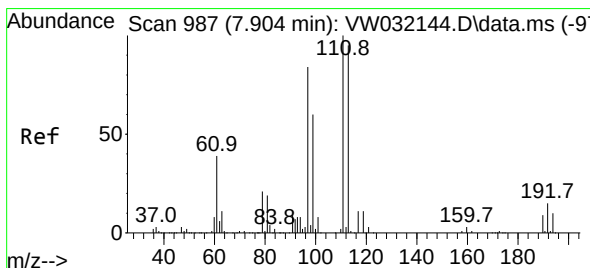
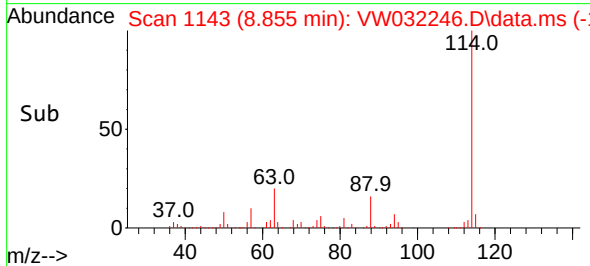
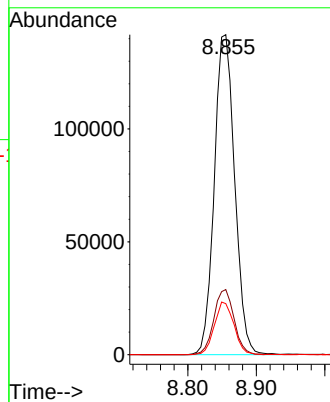
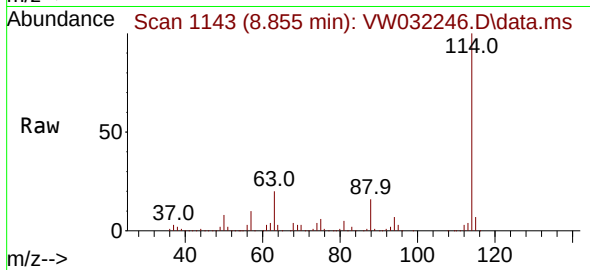
Tgt Ion:114 Resp: 293361

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

88 15.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 56.920 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

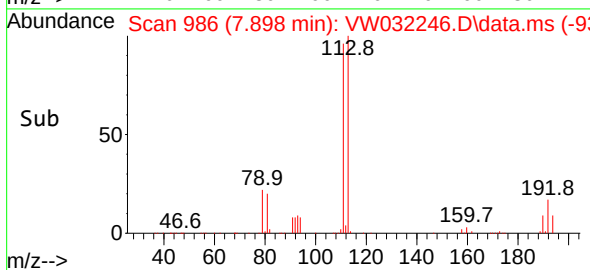
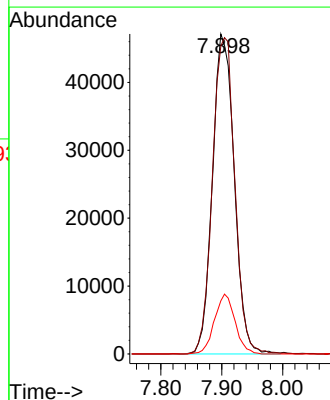
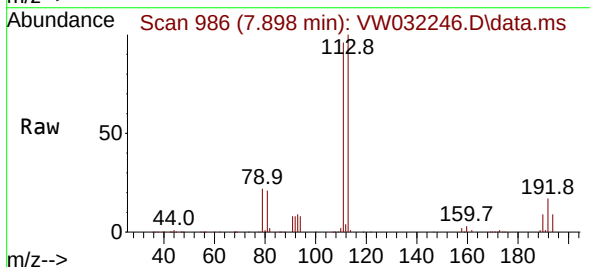
Tgt Ion:113 Resp: 117153

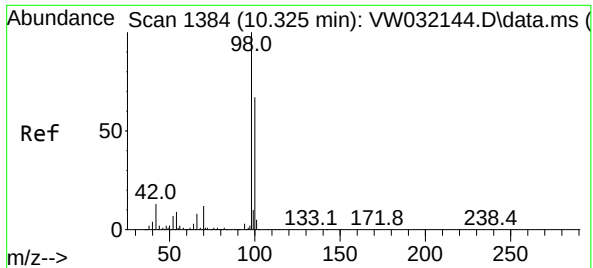
Ion Ratio Lower Upper

113 100

111 101.5 83.9 125.9

192 17.7 14.6 21.8

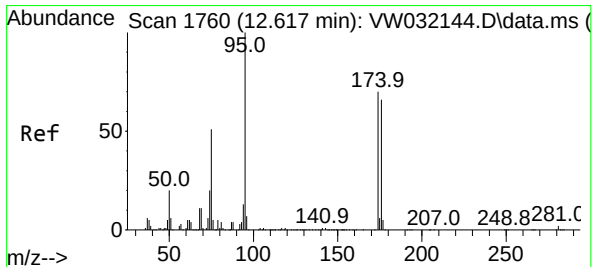
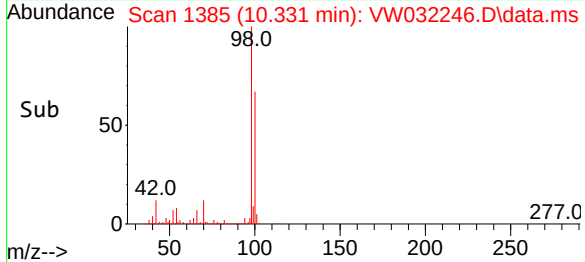
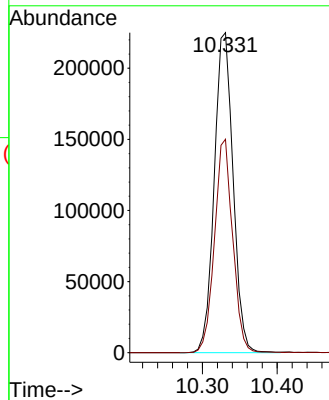
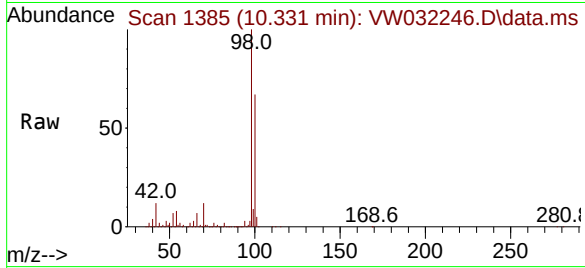




#50
Toluene-d8
Concen: 54.552 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

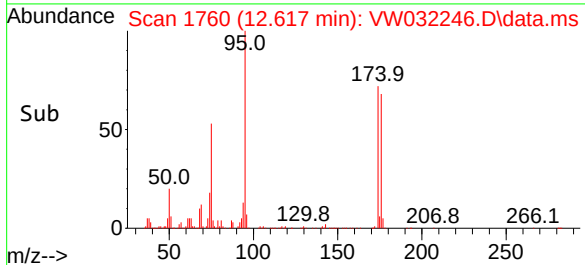
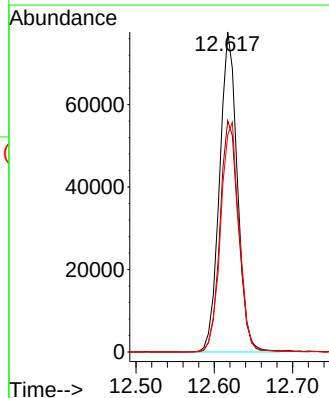
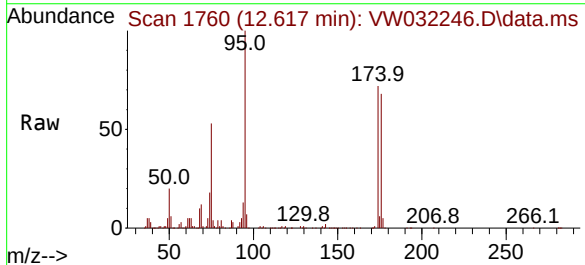
Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

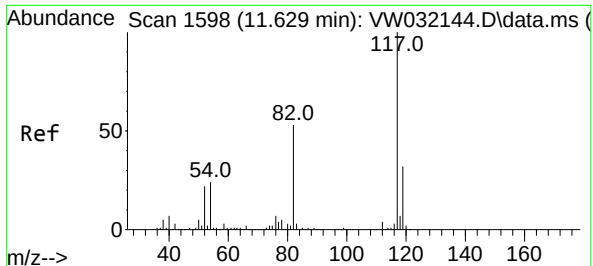
Tgt Ion: 98 Resp: 394158
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032246.D
Acq: 24 Sep 2025 16:08

Tgt Ion: 95 Resp: 122884
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.6
176 74.4 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

Instrument :

MSVOA_W

ClientSampleId :

EME-TS13-01

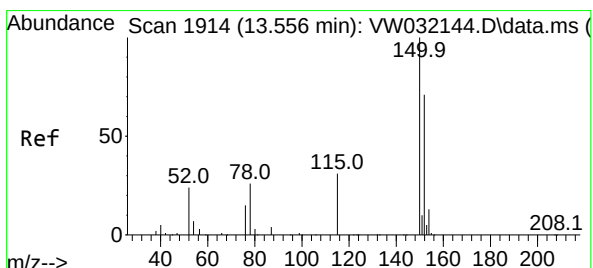
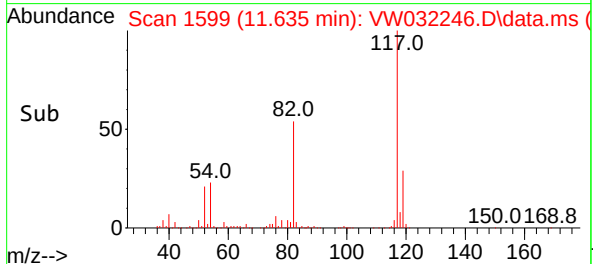
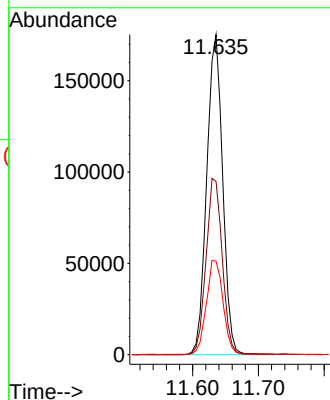
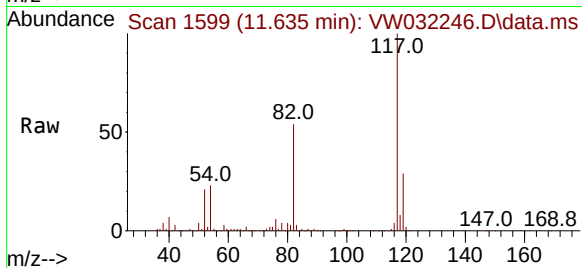
Tgt Ion:117 Resp: 295825

Ion Ratio Lower Upper

117 100

82 54.2 42.7 64.1

119 29.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032246.D

Acq: 24 Sep 2025 16:08

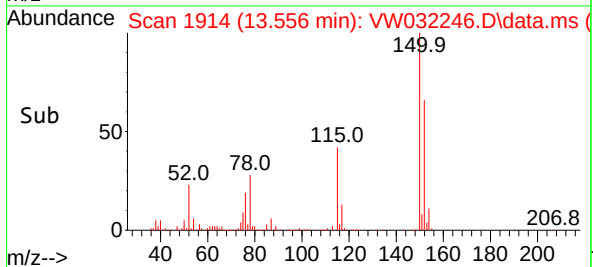
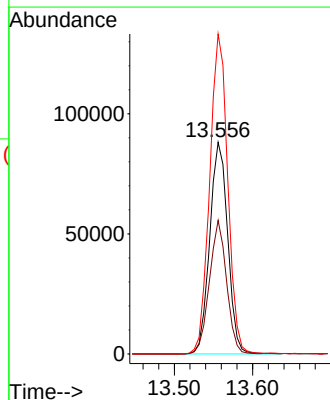
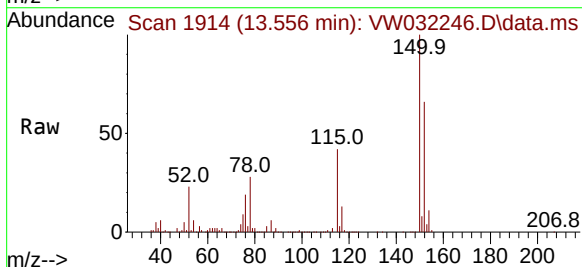
Tgt Ion:152 Resp: 140662

Ion Ratio Lower Upper

152 100

115 60.2 31.8 95.4

150 151.3 0.0 343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Title : SW846 8260

Signal : TIC: VW032246.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	492	503	520	rBV3	13412	51209	4.79%	0.917%
2	5.966	658	669	680	rBV3	10622	34154	3.19%	0.612%
3	7.904	974	987	991	rBV	157691	386565	36.14%	6.923%
4	7.959	991	996	1008	rVB	211831	482524	45.11%	8.642%
5	8.319	1045	1055	1067	rBV	169723	386177	36.10%	6.916%
6	8.855	1134	1143	1152	rBV	344387	717311	67.06%	12.847%
7	10.331	1376	1385	1400	rBV	605303	1069652	100.00%	19.157%
8	11.635	1591	1599	1608	rBV	540159	934264	87.34%	16.732%
9	12.617	1752	1760	1771	rBV	379417	631776	59.06%	11.315%
10	13.556	1907	1914	1927	rBV	547323	875289	81.83%	15.676%
11	14.056	1992	1996	2001	rBV2	8350	14750	1.38%	0.264%

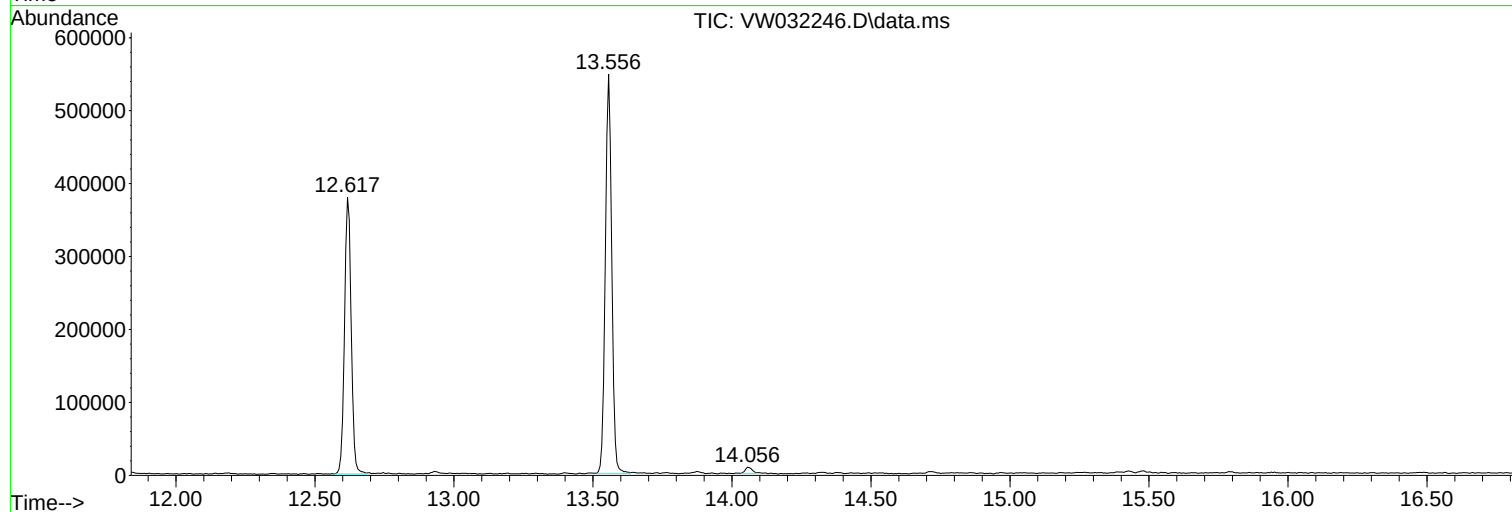
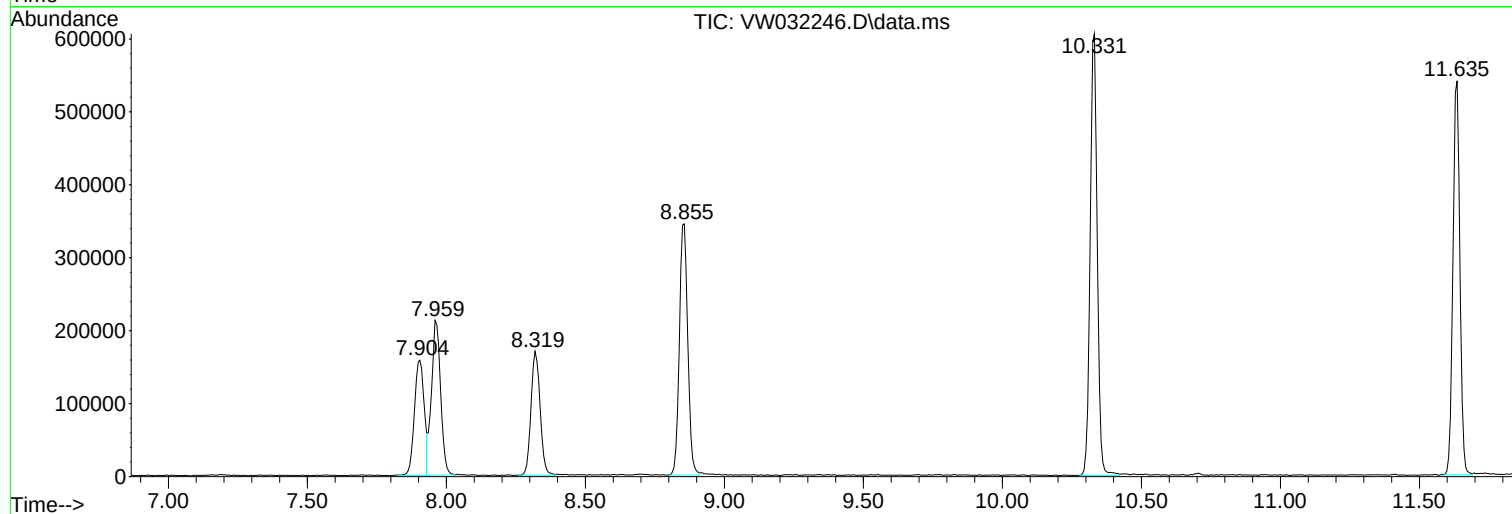
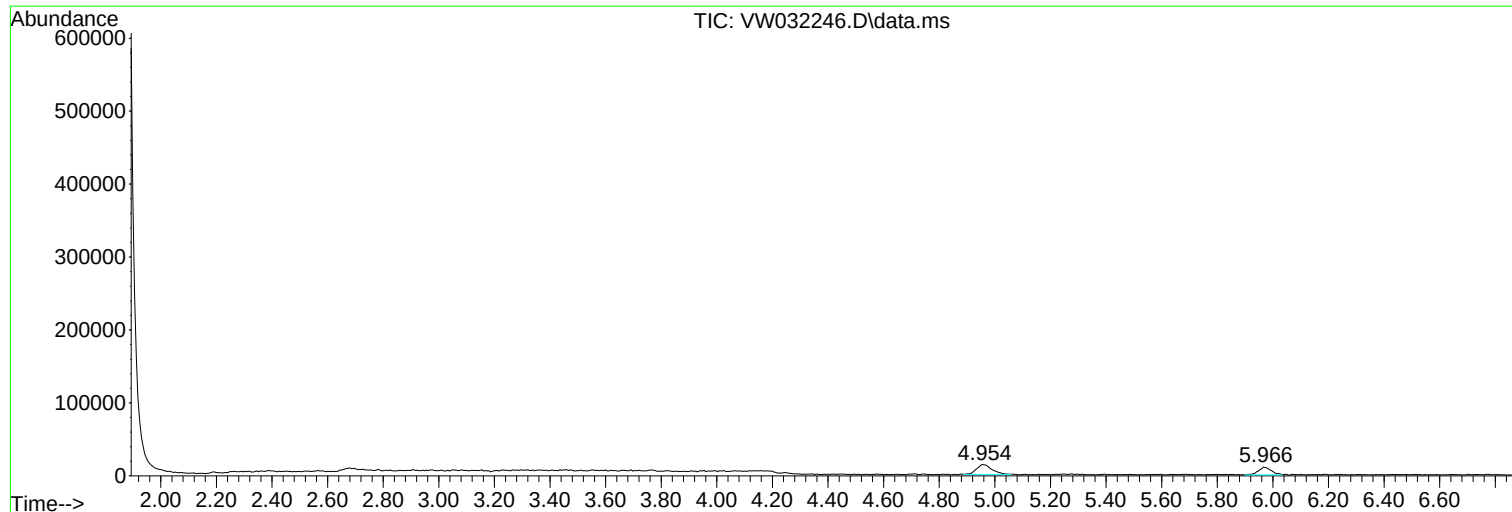
Sum of corrected areas: 5583671

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032246.D
Acq On : 24 Sep 2025 16:08
Operator : SY/MD
Sample : Q3176-02
Misc : 5.05g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS13-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-02		SDG No.:	Q3176	
Lab Sample ID:	Q3176-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	70	
Sample Wt/Vol:	4.54	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032247.D	1	09/24/25 16:30	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	7.90	ug/Kg
74-87-3	Chloromethane	1.80	U	1.80	7.90	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.90	ug/Kg
74-83-9	Bromomethane	1.70	U	1.70	7.90	ug/Kg
75-00-3	Chloroethane	2.00	U	2.00	7.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.90	U	1.90	7.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1.70	7.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	7.90	ug/Kg
67-64-1	Acetone	7.50	U	7.50	39.3	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	7.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.90	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	7.90	ug/Kg
75-09-2	Methylene Chloride	5.60	U	5.60	15.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.40	U	1.40	7.90	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	7.90	ug/Kg
110-82-7	Cyclohexane	1.20	U	1.20	7.90	ug/Kg
78-93-3	2-Butanone	10.3	U	10.3	39.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	1.50	7.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	U	1.20	7.90	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	7.90	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	7.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	1.50	7.90	ug/Kg
108-87-2	Methylcyclohexane	1.40	U	1.40	7.90	ug/Kg
71-43-2	Benzene	1.20	U	1.20	7.90	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	7.90	ug/Kg
79-01-6	Trichloroethene	1.30	U	1.30	7.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.40	U	1.40	7.90	ug/Kg
75-27-4	Bromodichloromethane	1.20	U	1.20	7.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.60	U	5.60	39.3	ug/Kg
108-88-3	Toluene	1.20	U	1.20	7.90	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-02		SDG No.:	Q3176	
Lab Sample ID:	Q3176-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	70	
Sample Wt/Vol:	4.54	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032247.D	1	09/24/25 16:30	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.00	U	1.00	7.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.98	U	0.98	7.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.40	U	1.40	7.90	ug/Kg
591-78-6	2-Hexanone	5.80	U	5.80	39.3	ug/Kg
124-48-1	Dibromochloromethane	1.40	U	1.40	7.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.40	U	1.40	7.90	ug/Kg
127-18-4	Tetrachloroethene	1.70	U	1.70	7.90	ug/Kg
108-90-7	Chlorobenzene	1.40	U	1.40	7.90	ug/Kg
100-41-4	Ethyl Benzene	1.10	U	1.10	7.90	ug/Kg
179601-23-1	m/p-Xylenes	2.00	U	2.00	15.7	ug/Kg
95-47-6	o-Xylene	1.30	U	1.30	7.90	ug/Kg
100-42-5	Styrene	1.10	U	1.10	7.90	ug/Kg
75-25-2	Bromoform	1.40	U	1.40	7.90	ug/Kg
98-82-8	Isopropylbenzene	1.20	U	1.20	7.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	1.90	7.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.70	U	2.70	7.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	2.50	7.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	2.30	7.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	2.90	7.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.70	U	4.70	7.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	5.00	7.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	68.0		63 - 155	136%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	7.971			
540-36-3	1,4-Difluorobenzene	297000	8.855			
3114-55-4	Chlorobenzene-d5	285000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.562			

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	09/23/25	
Project:	RFP 916		Date Received:	09/23/25	
Client Sample ID:	EME-TS14-02		SDG No.:	Q3176	
Lab Sample ID:	Q3176-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	70	
Sample Wt/Vol:	4.54	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032247.D	1	09/24/25 16:30	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Quant Time: Sep 25 08:15:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.971	168	139143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	296657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	285057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	124449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	135312	67.998	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	136.000%
35) Dibromofluoromethane	7.904	113	115476	55.482	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.960%
50) Toluene-d8	10.331	98	370641	50.728	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.617	95	112401	41.602	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	83.200%

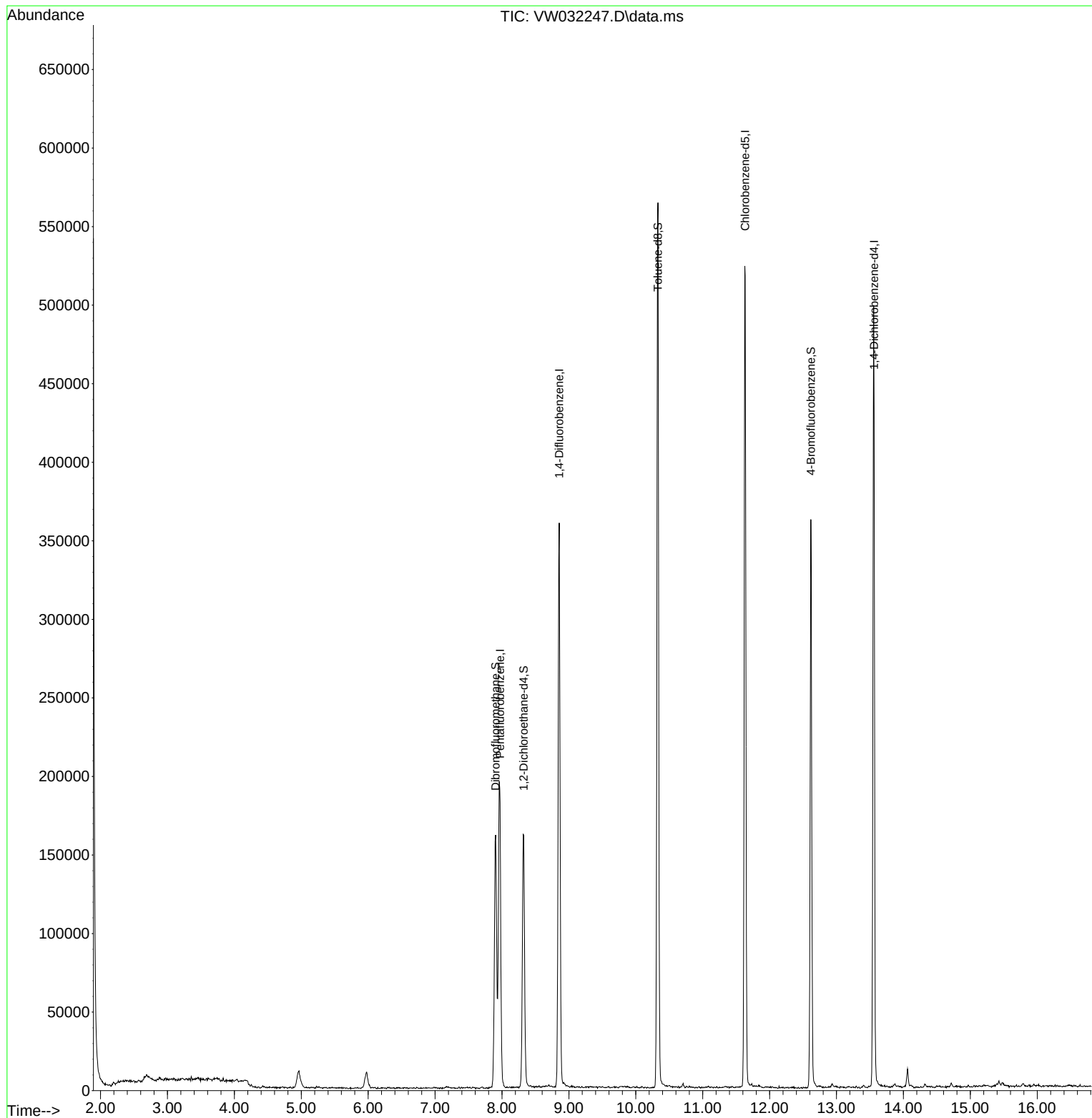
Target Compounds	Qvalue

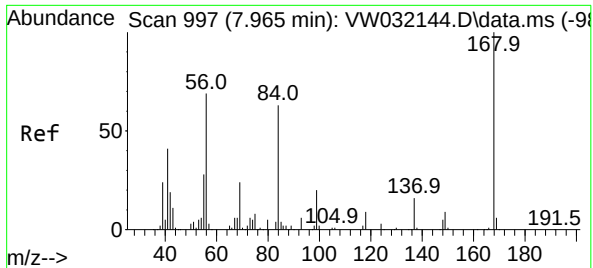
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Quant Time: Sep 25 08:15:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

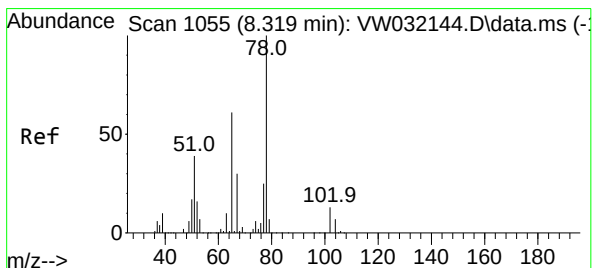
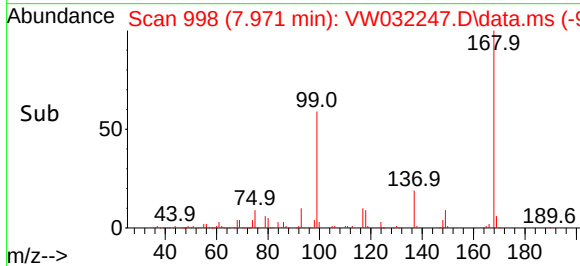
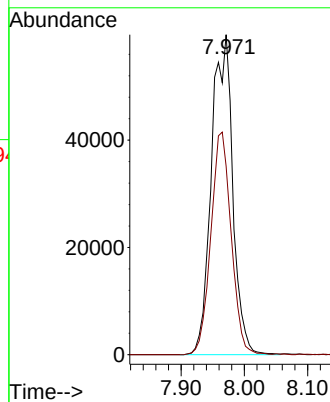
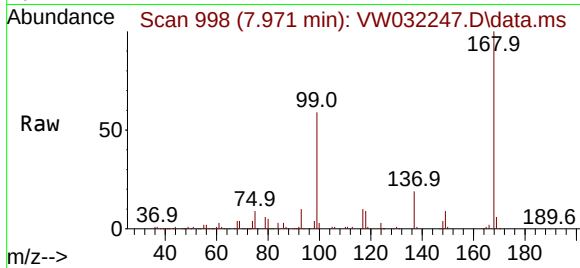




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

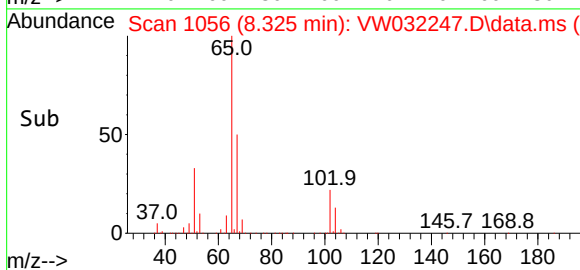
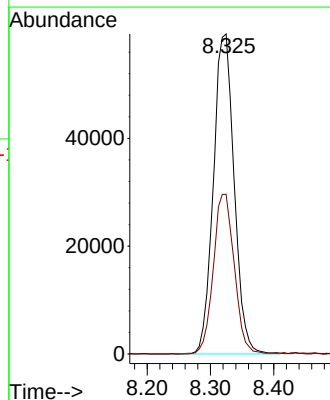
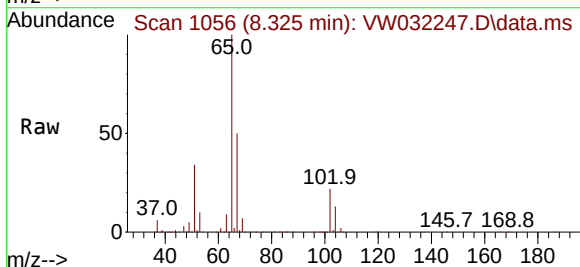
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

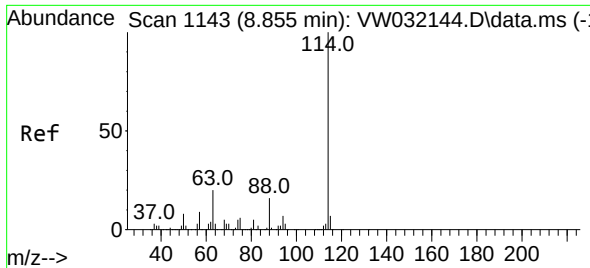
Tgt Ion:168 Resp: 139143
Ion Ratio Lower Upper
168 100
99 58.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 67.998 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion: 65 Resp: 135312
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6

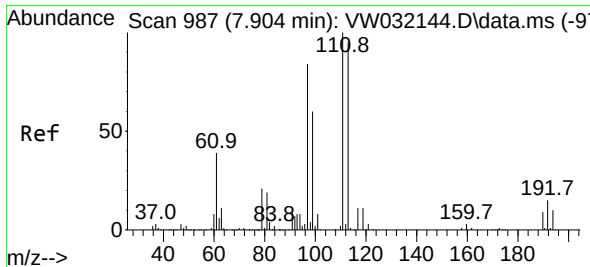
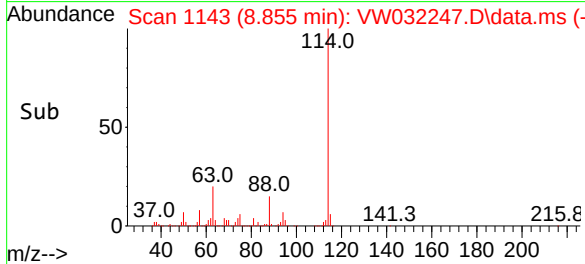
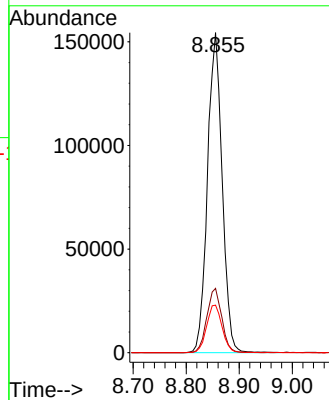
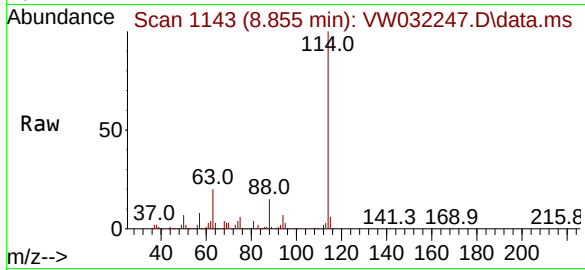




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

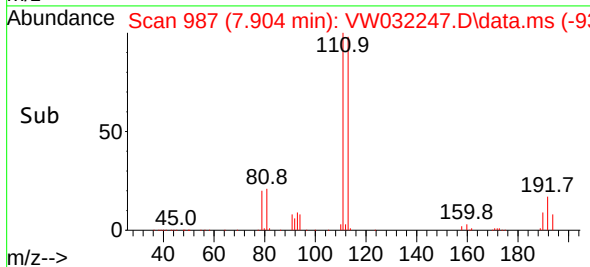
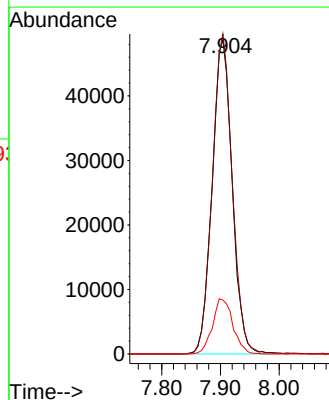
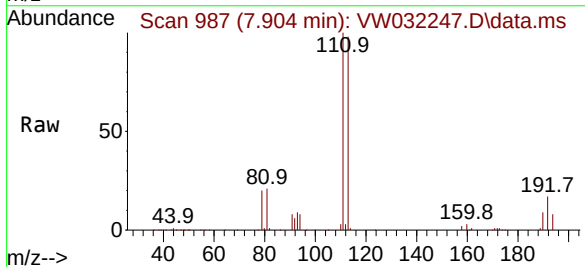
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

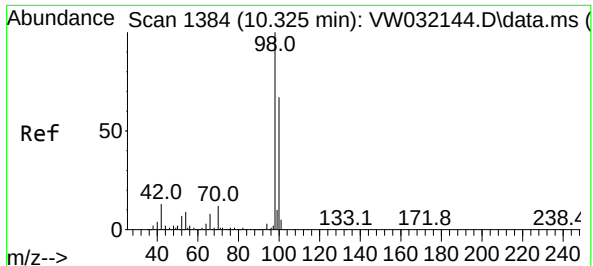
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.4
88	14.9	0.0	32.0



#35
Dibromofluoromethane
Concen: 55.482 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.9	125.9
192	17.8	14.6	21.8





#50

Toluene-d8

Concen: 50.728 ug/l

RT: 10.331 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032247.D

Acq: 24 Sep 2025 16:30

Instrument :

MSVOA_W

ClientSampleId :

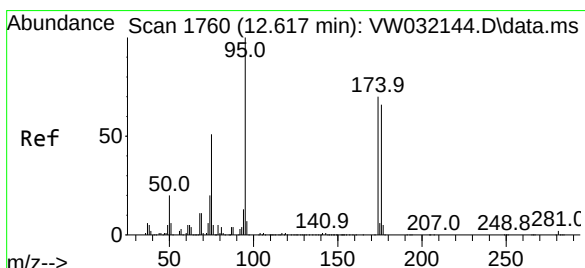
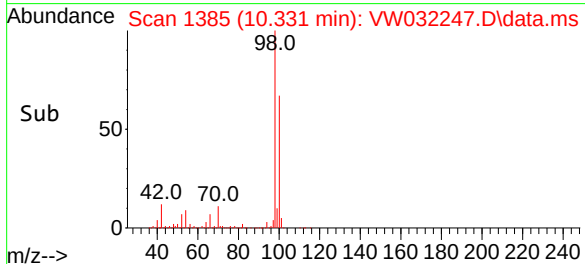
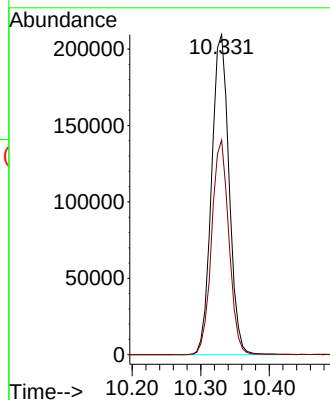
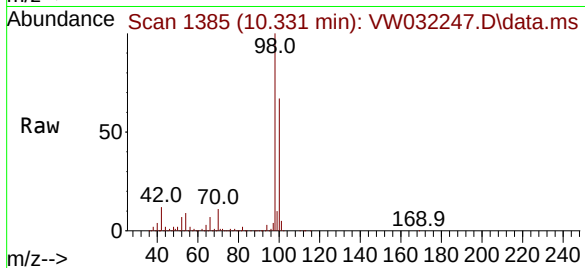
EME-TS14-02

Tgt Ion: 98 Resp: 370641

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 41.602 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032247.D

Acq: 24 Sep 2025 16:30

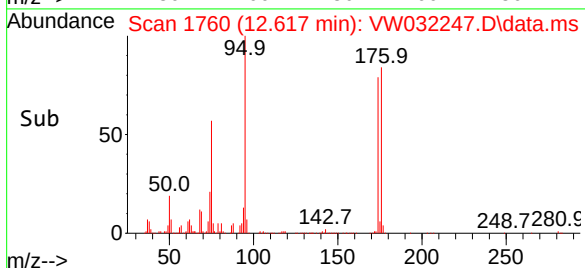
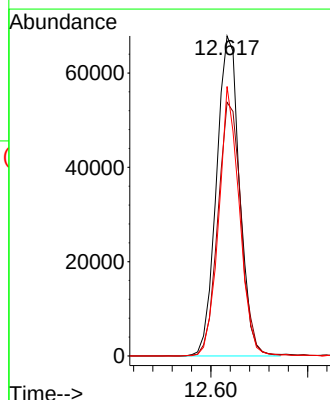
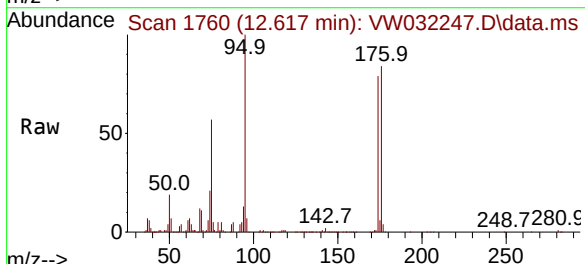
Tgt Ion: 95 Resp: 112401

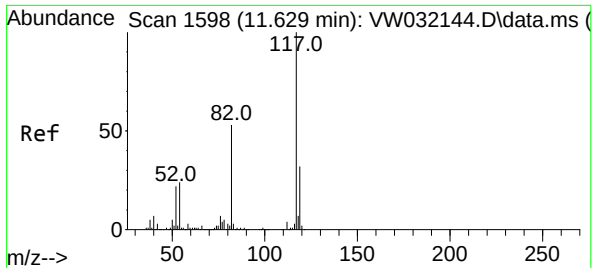
Ion Ratio Lower Upper

95 100

174 79.8 0.0 145.6

176 75.1 0.0 140.8

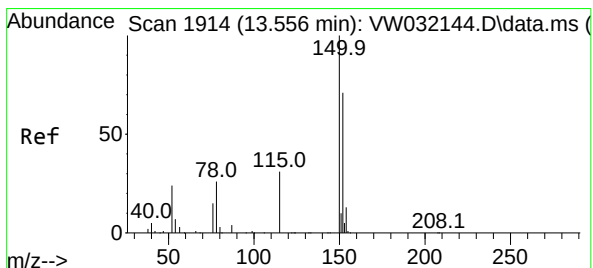
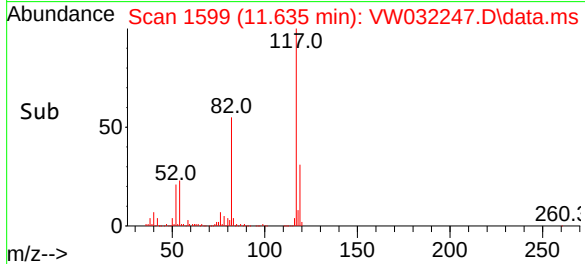
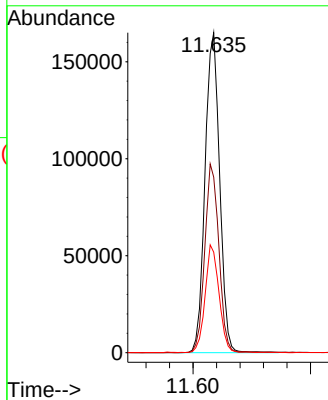
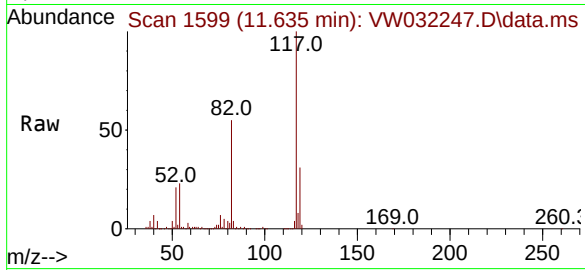




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

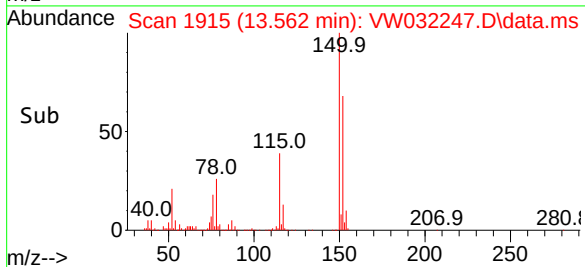
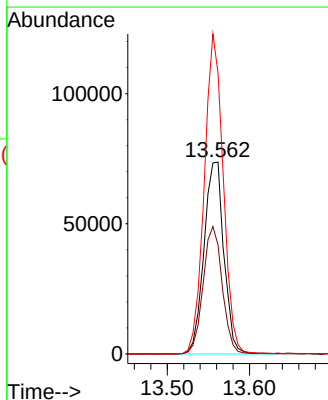
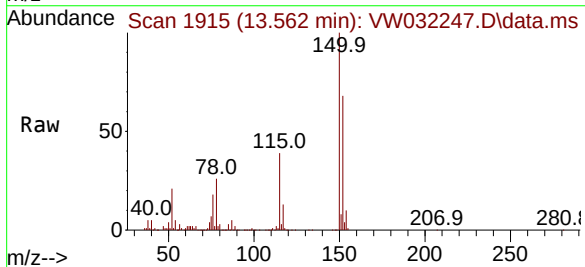
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Tgt Ion:	117	Resp:	285057
Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.7	64.1
119	31.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion:	152	Resp:	124449
Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.8	95.4
150	158.2	0.0	343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Title : SW846 8260

Signal : TIC: VW032247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.966	494	505	520	rVB3	10812	40454	4.01%	0.756%
2	5.978	661	671	681	rVB5	10264	32923	3.27%	0.615%
3	7.904	978	987	992	rBV	160550	394482	39.15%	7.372%
4	7.959	992	996	1013	rVB2	194804	453762	45.03%	8.480%
5	8.319	1044	1055	1069	rBV	161400	375423	37.26%	7.016%
6	8.855	1134	1143	1153	rBV	359176	716384	71.09%	13.388%
7	10.331	1376	1385	1393	rBV	563355	1007694	100.00%	18.832%
8	11.629	1591	1598	1611	rBV	521958	907515	90.06%	16.960%
9	12.617	1752	1760	1775	rBV	361828	595893	59.13%	11.136%
10	13.556	1907	1914	1928	rBV	496766	807364	80.12%	15.089%
11	14.062	1990	1997	2002	rBV2	11255	18949	1.88%	0.354%

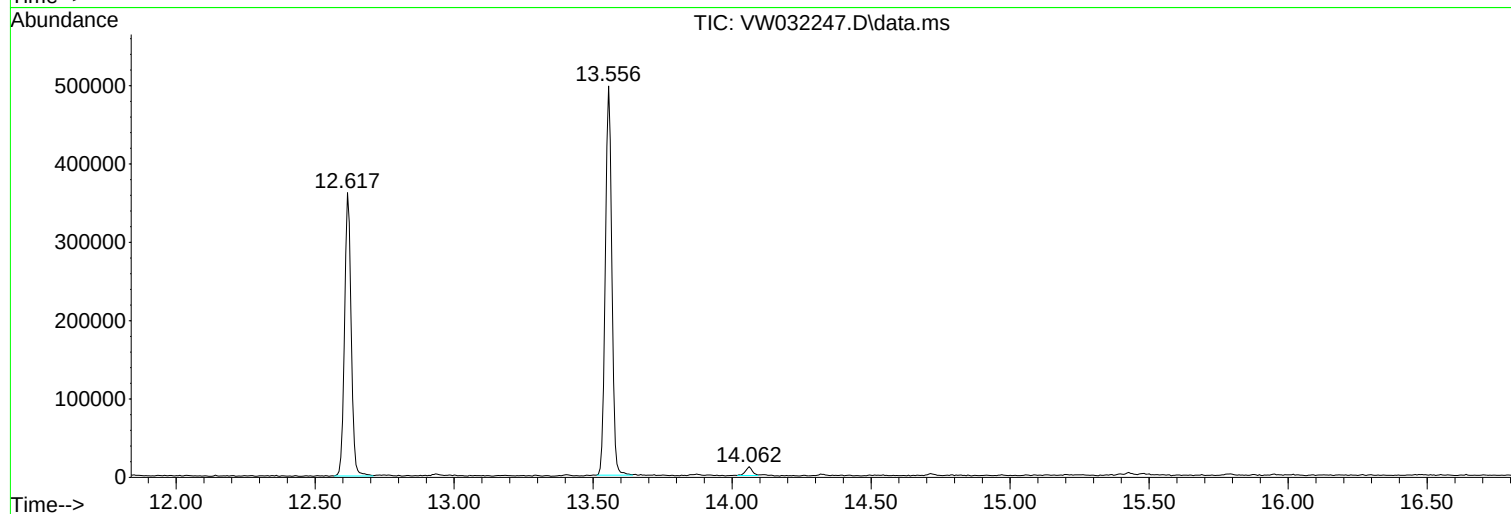
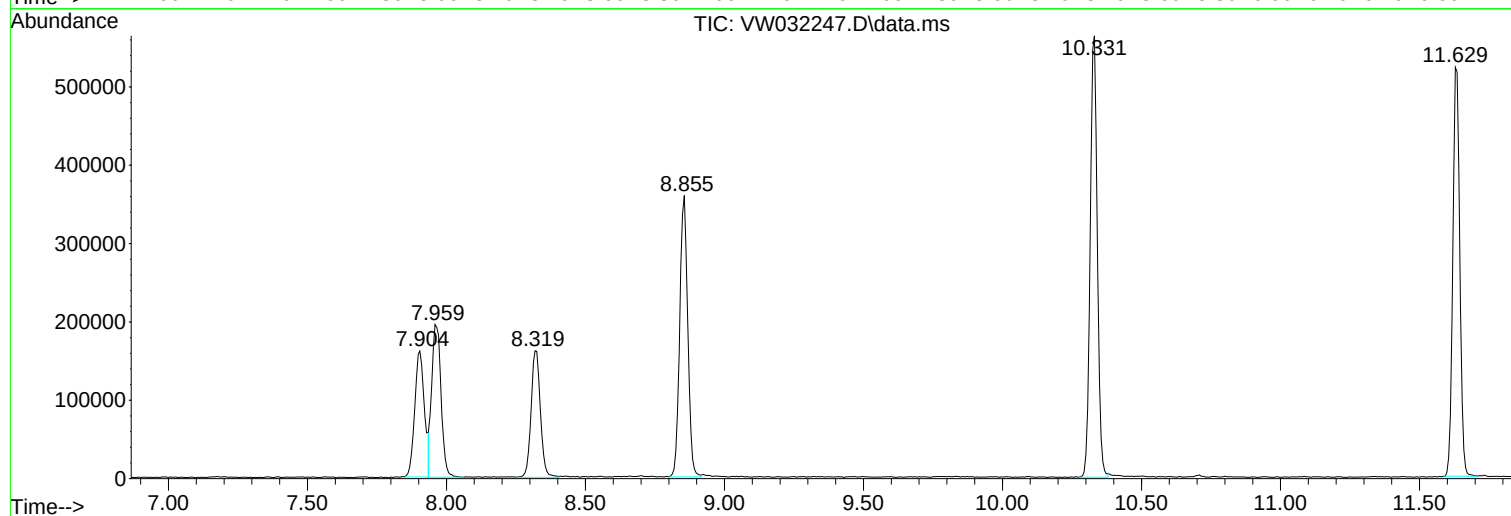
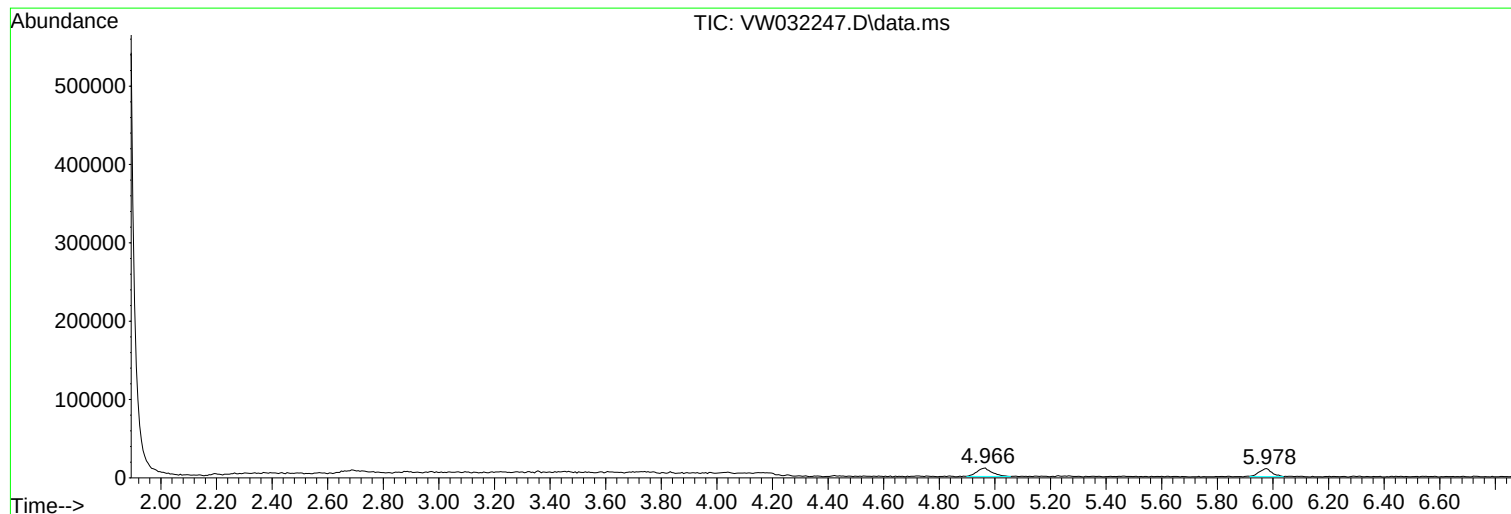
Sum of corrected areas: 5350843

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032247.D
Acq On : 24 Sep 2025 16:30
Operator : SY/MD
Sample : Q3176-03
Misc : 4.54g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY

- 1
- 2
- 3
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- 10
- 11
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- 15
- 16
- 17
- 18



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ROYF02
 Lab Code: ACE SDG No.: Q3176
 Instrument ID: MSVOA_W Calibration Date(s): 08/26/2025 08/26/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:39 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW032137.D	RRF010 = VW032138.D	RRF020 = VW032139.D					
	RRF100 = VW032141.D	RRF150 = VW032142.D	RRF050 = VW032144.D					
COMPOUND	RRF005	RRF010	RRF020	RRF100	RRF150	RRF050	RRF	% RSD
Dichlorodifluoromethane	0.358	0.346	0.357	0.306	0.302	0.312	0.330	8
Chloromethane	0.398	0.347	0.341	0.320	0.330	0.340	0.346	7.9
Vinyl Chloride	0.490	0.486	0.461	0.414	0.402	0.444	0.450	8.2
Bromomethane	0.459	0.414	0.408	0.369	0.384	0.374	0.401	8.4
Chloroethane	0.322	0.335	0.324	0.298	0.304	0.317	0.317	4.3
Trichlorofluoromethane	0.383	0.446	0.455	0.451	0.457	0.481	0.445	7.4
1,1,2-Trichlorotrifluoroethane	0.558	0.514	0.514	0.465	0.454	0.505	0.502	7.5
1,1-Dichloroethene	0.582	0.515	0.547	0.498	0.493	0.536	0.528	6.4
Acetone	0.178	0.161	0.152	0.143	0.138	0.157	0.155	9.1
Carbon Disulfide	1.357	1.337	1.340	1.279	1.257	1.360	1.322	3.3
Methyl tert-butyl Ether	0.981	0.991	1.001	1.005	0.959	1.051	0.998	3.1
Methyl Acetate	0.494	0.465	0.474	0.510	0.501	0.515	0.493	4
Methylene Chloride	0.973	0.880	0.720	0.582	0.555	0.641	0.725	23.3
trans-1,2-Dichloroethene	0.597	0.595	0.604	0.576	0.559	0.609	0.590	3.2
1,1-Dichloroethane	1.118	1.083	1.083	1.026	1.005	1.102	1.070	4.2
Cyclohexane	1.048	0.930	0.852	0.796	0.779	0.862	0.878	11.3
2-Butanone	0.201	0.216	0.217	0.232	0.223	0.226	0.219	4.9
Carbon Tetrachloride	0.467	0.489	0.480	0.477	0.467	0.545	0.488	6
cis-1,2-Dichloroethene	0.734	0.721	0.722	0.705	0.689	0.739	0.718	2.6
Bromochloromethane	0.499	0.475	0.516	0.475	0.487	0.486	0.490	3.2
Chloroform	1.275	1.245	1.229	1.174	1.154	1.250	1.221	3.8
1,1,1-Trichloroethane	0.938	0.907	0.901	0.847	0.839	0.917	0.891	4.5
Methylcyclohexane	0.486	0.525	0.517	0.550	0.538	0.617	0.539	8.2
Benzene	1.381	1.421	1.411	1.363	1.334	1.525	1.406	4.7
1,2-Dichloroethane	0.492	0.494	0.476	0.471	0.466	0.524	0.487	4.4
Trichloroethene	0.350	0.359	0.352	0.343	0.343	0.374	0.354	3.3
1,2-Dichloropropane	0.338	0.344	0.337	0.323	0.322	0.370	0.339	5.2
Bromodichloromethane	0.520	0.536	0.527	0.531	0.533	0.593	0.540	4.9
4-Methyl-2-Pentanone	0.260	0.279	0.281	0.304	0.294	0.317	0.289	6.9
Toluene	0.890	0.920	0.912	0.902	0.879	1.010	0.919	5.1

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ROYF02
 Lab Code: ACE SDG No.: Q3176
 Instrument ID: MSVOA_W Calibration Date(s): 08/26/2025 08/26/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:39 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW032137.D		RRF010 = VW032138.D		RRF020 = VW032139.D			
		RRF100 = VW032141.D		RRF150 = VW032142.D		RRF050 = VW032144.D			
COMPOUND	RRF005	RRF010	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
t-1,3-Dichloropropene	0.403	0.446	0.451	0.511	0.510	0.538	0.477	10.7	
cis-1,3-Dichloropropene	0.494	0.519	0.523	0.559	0.555	0.613	0.544	7.6	
1,1,2-Trichloroethane	0.306	0.314	0.311	0.305	0.298	0.322	0.309	2.7	
2-Hexanone	0.173	0.189	0.191	0.218	0.212	0.223	0.201	9.8	
Dibromochloromethane	0.351	0.360	0.364	0.380	0.375	0.414	0.374	6	
1,2-Dibromoethane	0.283	0.309	0.294	0.302	0.303	0.333	0.304	5.5	
Tetrachloroethene	0.318	0.332	0.342	0.322	0.308	0.353	0.329	5	
Chlorobenzene	1.137	1.132	1.194	1.107	1.069	1.190	1.138	4.2	
Ethyl Benzene	1.676	1.823	1.920	1.880	1.862	2.027	1.865	6.2	
m/p-Xylenes	0.627	0.700	0.751	0.730	0.699	0.798	0.718	8	
o-Xylene	0.581	0.659	0.695	0.688	0.699	0.752	0.679	8.4	
Styrene	1.006	1.160	1.246	1.223	1.221	1.324	1.197	9	
Bromoform	0.203	0.212	0.216	0.230	0.238	0.237	0.223	6.5	
Isopropylbenzene	2.833	3.266	3.258	3.570	3.666	3.788	3.397	10.3	
1,1,2,2-Tetrachloroethane	0.778	0.800	0.774	0.814	0.827	0.851	0.807	3.7	
1,3-Dichlorobenzene	1.661	1.817	1.681	1.710	1.698	1.899	1.744	5.3	
1,4-Dichlorobenzene	1.723	1.810	1.714	1.656	1.759	1.828	1.748	3.7	
1,2-Dichlorobenzene	1.511	1.515	1.603	1.536	1.539	1.561	1.544	2.2	
1,2-Dibromo-3-Chloropropane	0.133	0.128	0.139	0.154	0.156	0.146	0.143	8	
1,2,4-Trichlorobenzene	0.870	0.994	0.991	0.963	1.015	1.087	0.987	7.2	
1,2,3-Trichlorobenzene	0.832	0.916	0.886	0.938	0.965	0.968	0.918	5.7	
1,2-Dichloroethane-d4	0.752	0.715	0.723	0.690	0.713	0.697	0.715	3.1	
Dibromofluoromethane	0.367	0.350	0.347	0.335	0.346	0.360	0.351	3.2	
Toluene-d8	1.173	1.215	1.235	1.191	1.253	1.322	1.231	4.3	
4-Bromofluorobenzene	0.448	0.431	0.450	0.447	0.468	0.489	0.455	4.5	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W082625S.M
 Title : SW846 8260
 Last Update : Wed Aug 27 04:13:40 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW032137.D 10 =VW032138.D 20 =VW032139.D 50 =VW032144.D 100 =VW032141.D 150 =VW032142.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.358	0.346	0.357	0.312	0.306	0.302	0.330	8.02
3) P	Chloromethane	0.398	0.347	0.341	0.340	0.320	0.330	0.346	7.86
4) C	Vinyl Chloride	0.490	0.486	0.461	0.444	0.414	0.402	0.450	8.15#
5) T	Bromomethane	0.459	0.414	0.408	0.374	0.369	0.384	0.401	8.39
6) T	Chloroethane	0.322	0.335	0.324	0.317	0.298	0.304	0.317	4.34
7) T	Trichlorofluor...	0.383	0.446	0.455	0.481	0.451	0.457	0.445	7.39
8) T	Diethyl Ether	0.367	0.349	0.338	0.321	0.313	0.307	0.332	7.01
9) T	1,1,2-Trichlor...	0.558	0.514	0.514	0.505	0.465	0.454	0.502	7.51
10) T	Methyl Iodide	0.814	0.800	0.789	0.748	0.733	0.700	0.764	5.78
11) T	Tert butyl alc...	0.046	0.042	0.040	0.044	0.045	0.044	0.044	4.58
12) CM	1,1-Dichloroet...	0.582	0.515	0.547	0.536	0.498	0.493	0.528	6.36#
13) T	Acrolein	0.073	0.069	0.064	0.066	0.065	0.066	0.067	4.70
14) T	Allyl chloride	0.779	0.746	0.749	0.768	0.741	0.720	0.751	2.79
15) T	Acrylonitrile	0.152	0.164	0.160	0.164	0.169	0.161	0.162	3.51
16) T	Acetone	0.178	0.161	0.152	0.157	0.143	0.138	0.155	9.11
17) T	Carbon Disulfide	1.357	1.337	1.340	1.360	1.279	1.257	1.322	3.26
18) T	Methyl Acetate	0.494	0.465	0.474	0.515	0.510	0.501	0.493	4.04
19) T	Methyl tert-bu...	0.981	0.991	1.001	1.051	1.005	0.959	0.998	3.07
20) T	Methylene Chlo...	0.973	0.880	0.720	0.641	0.582	0.555	0.725	23.25
21) T	trans-1,2-Dich...	0.597	0.595	0.604	0.609	0.576	0.559	0.590	3.19
22) T	Diisopropyl ether	1.552	1.595	1.695	1.713	1.641	1.605	1.634	3.78
23) T	Vinyl Acetate	0.981	1.066	1.109	1.177	1.178	1.154	1.111	6.92
24) P	1,1-Dichloroet...	1.118	1.083	1.083	1.102	1.026	1.005	1.070	4.16
25) T	2-Butanone	0.201	0.216	0.217	0.226	0.232	0.223	0.219	4.91
26) T	2,2-Dichloropr...	0.560	0.561	0.557	0.608	0.563	0.551	0.566	3.67
27) T	cis-1,2-Dichlo...	0.734	0.721	0.722	0.739	0.705	0.689	0.718	2.61
28) T	Bromochloromet...	0.499	0.475	0.516	0.486	0.475	0.487	0.490	3.19
29) T	Tetrahydrofuran	0.131	0.135	0.137	0.142	0.149	0.143	0.139	4.61
30) C	Chloroform	1.275	1.245	1.229	1.250	1.174	1.154	1.221	3.85#
31) T	Cyclohexane	1.048	0.930	0.852	0.862	0.796	0.779	0.878	11.25
32) T	1,1,1-Trichlor...	0.938	0.907	0.901	0.917	0.847	0.839	0.891	4.46
33) S	1,2-Dichloroet...	0.752	0.715	0.723	0.697	0.690	0.713	0.715	3.07
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.367	0.350	0.347	0.360	0.335	0.346	0.351	3.22
36) T	1,1-Dichloropr...	0.447	0.460	0.439	0.507	0.443	0.433	0.455	5.99
37) T	Ethyl Acetate	0.259	0.263	0.257	0.296	0.284	0.278	0.273	5.64
38) T	Carbon Tetrach...	0.467	0.489	0.480	0.545	0.477	0.467	0.488	6.02
39) T	Methylcyclohexane	0.486	0.525	0.517	0.617	0.550	0.538	0.539	8.16
40) TM	Benzene	1.381	1.421	1.411	1.525	1.362	1.334	1.406	4.74
41) T	Methacrylonitrile	0.152	0.149	0.140	0.158	0.156	0.155	0.152	4.37
42) TM	1,2-Dichloroet...	0.492	0.494	0.476	0.524	0.471	0.466	0.487	4.38
43) T	Isopropyl Acetate	0.470	0.488	0.476	0.564	0.538	0.535	0.512	7.63
44) TM	Trichloroethene	0.350	0.359	0.352	0.374	0.343	0.343	0.354	3.31
45) C	1,2-Dichloropr...	0.338	0.344	0.337	0.370	0.323	0.322	0.339	5.18#
46) T	Dibromomethane	0.236	0.247	0.238	0.249	0.232	0.223	0.238	4.07
47) T	Bromodichlorom...	0.520	0.536	0.527	0.593	0.531	0.533	0.540	4.92
48) T	Methyl methacr...	0.190	0.213	0.228	0.271	0.257	0.256	0.236	13.06
49) T	1,4-Dioxane	0.003	0.002	0.003	0.003	0.003	0.003	0.003	11.43
50) S	Toluene-d8	1.173	1.215	1.235	1.322	1.191	1.253	1.231	4.28
51) T	4-Methyl-2-Pen...	0.260	0.279	0.281	0.317	0.304	0.294	0.289	6.93
52) CM	Toluene	0.890	0.920	0.912	1.010	0.902	0.879	0.919	5.13#
53) T	t-1,3-Dichloro...	0.403	0.446	0.451	0.538	0.511	0.510	0.477	10.72
54) T	cis-1,3-Dichlo...	0.494	0.519	0.523	0.613	0.559	0.555	0.544	7.63
55) T	1,1,2-Trichlor...	0.306	0.314	0.311	0.322	0.305	0.298	0.309	2.71
56) T	Ethyl methacry...	0.321	0.366	0.366	0.453	0.428	0.437	0.395	13.12

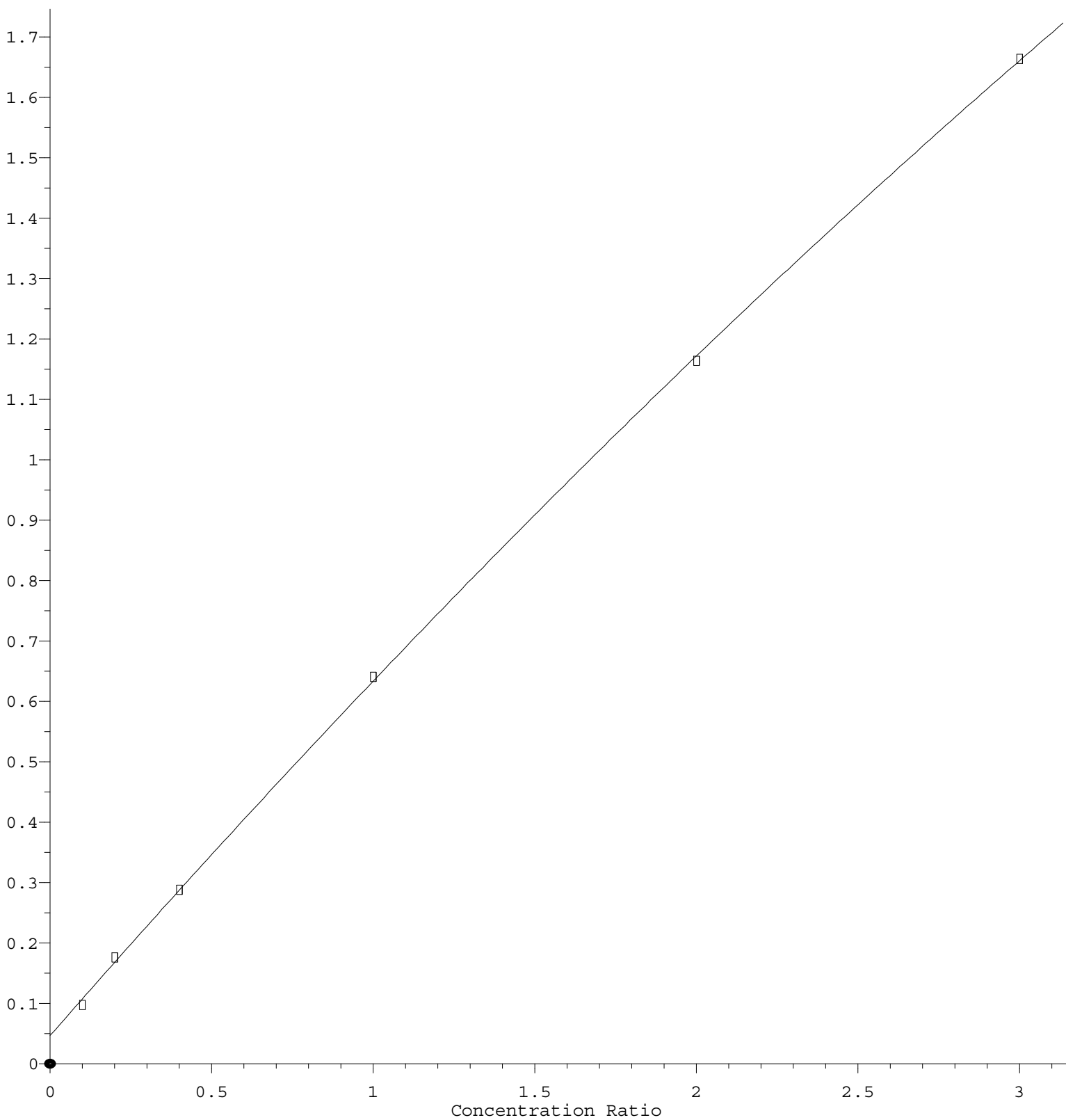
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W082625S.M

57)	T	1,3-Dichloropr...	0.507	0.524	0.510	0.553	0.514	0.498	0.518	3.73
58)	T	2-Chloroethyl ...	0.171	0.203	0.211	0.223	0.227	0.232	0.211	10.65
59)	T	2-Hexanone	0.173	0.189	0.191	0.223	0.218	0.212	0.201	9.78
60)	T	Dibromochlorom...	0.351	0.360	0.364	0.414	0.380	0.375	0.374	5.96
61)	T	1,2-Dibromoethane	0.283	0.309	0.294	0.333	0.302	0.303	0.304	5.46
62)	S	4-Bromofluorob...	0.448	0.431	0.450	0.489	0.447	0.468	0.455	4.46
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.318	0.332	0.342	0.353	0.322	0.308	0.329	5.04
65)	PM	Chlorobenzene	1.137	1.132	1.194	1.190	1.107	1.069	1.138	4.24
66)	T	1,1,1,2-Tetrac...	0.354	0.379	0.371	0.401	0.371	0.372	0.375	4.08
67)	C	Ethyl Benzene	1.676	1.823	1.920	2.027	1.880	1.862	1.865	6.21#
68)	T	m/p-Xylenes	0.627	0.700	0.751	0.798	0.730	0.699	0.718	8.02
69)	T	o-Xylene	0.581	0.659	0.695	0.752	0.688	0.699	0.679	8.36
70)	T	Styrene	1.006	1.160	1.246	1.324	1.223	1.221	1.197	8.97
71)	P	Bromoform	0.203	0.212	0.216	0.237	0.230	0.238	0.223	6.48
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.833	3.266	3.258	3.788	3.570	3.666	3.397	10.28
74)	T	N-amyl acetate	0.836	0.896	0.942	1.070	1.061	1.112	0.986	11.21
75)	P	1,1,2,2-Tetrac...	0.778	0.800	0.774	0.851	0.814	0.827	0.807	3.67
76)	T	1,2,3-Trichlor...	0.626	0.597	0.685	0.637	0.604	0.610	0.626	5.16
77)	T	Bromobenzene	0.815	0.844	0.864	0.947	0.825	0.904	0.866	5.82
78)	T	n-propylbenzene	3.525	4.066	4.016	4.548	4.238	4.351	4.124	8.53
79)	T	2-Chlorotoluene	2.250	2.469	2.469	2.758	2.552	2.633	2.522	6.83
80)	T	1,3,5-Trimethy...	2.411	2.790	2.815	3.210	2.968	3.063	2.876	9.62
81)	T	trans-1,4-Dich...	0.180	0.199	0.210	0.260	0.269	0.279	0.233	17.95
82)	T	4-Chlorotoluene	2.427	2.670	2.670	2.995	2.683	2.753	2.699	6.77
83)	T	tert-Butylbenzene	2.048	2.335	2.346	2.827	2.480	2.594	2.439	10.83
84)	T	1,2,4-Trimethy...	2.529	2.821	2.989	3.353	3.024	3.136	2.975	9.44
85)	T	sec-Butylbenzene	3.211	3.461	3.534	4.127	3.647	3.864	3.641	8.81
86)	T	p-Isopropyltol...	2.625	2.963	3.065	3.517	3.116	3.291	3.096	9.75
87)	T	1,3-Dichlorobe...	1.661	1.817	1.681	1.899	1.710	1.698	1.744	5.34
88)	T	1,4-Dichlorobe...	1.723	1.810	1.714	1.828	1.656	1.759	1.748	3.66
89)	T	n-Butylbenzene	2.571	2.782	2.819	3.337	3.061	3.140	2.952	9.42
90)	T	Hexachloroethane	0.538	0.556	0.524	0.609	0.566	0.605	0.566	6.15
91)	T	1,2-Dichlorobe...	1.511	1.515	1.603	1.561	1.536	1.539	1.544	2.21
92)	T	1,2-Dibromo-3-...	0.133	0.128	0.139	0.146	0.154	0.156	0.143	8.00
93)	T	1,2,4-Trichlor...	0.870	0.994	0.991	1.087	0.963	1.015	0.987	7.20
94)	T	Hexachlorobuta...	0.495	0.472	0.492	0.553	0.450	0.474	0.489	7.22
95)	T	Naphthalene	1.790	1.985	2.127	2.467	2.504	2.525	2.233	13.91
96)	T	1,2,3-Trichlor...	0.832	0.916	0.886	0.968	0.938	0.965	0.918	5.67

(#) = Out of Range

Methylene Chloride

Response Ratio



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032137.D
 Acq On : 26 Aug 2025 09:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:47:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	206660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	370444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	346771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	15541	5.258	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.520%#		
35) Dibromofluoromethane	7.904	113	13601	5.233	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.460%#		
50) Toluene-d8	10.325	98	43464	4.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.520%#		
62) 4-Bromofluorobenzene	12.617	95	16578	4.914	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	7405	5.427	ug/l	92
3) Chloromethane	2.253	50	8229	5.752	ug/l	99
4) Vinyl Chloride	2.399	62	10135	5.455	ug/l	92
5) Bromomethane	2.832	94	9495	5.722	ug/l	91
6) Chloroethane	2.966	64	6650	5.082	ug/l	90
7) Trichlorofluoromethane	3.302	101	7914	4.299	ug/l	99
8) Diethyl Ether	3.722	74	7589	5.524	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	11532	5.560	ug/l	94
10) Methyl Iodide	4.301	142	16828	5.329	ug/l	98
11) Tert butyl alcohol	5.204	59	4756	26.308	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	12023	5.505	ug/l	94
13) Acrolein	3.936	56	7536	27.119	ug/l	93
14) Allyl chloride	4.704	41	16108	5.192	ug/l	99
15) Acrylonitrile	5.405	53	15695	23.497	ug/l	96
16) Acetone	4.155	43	18385	28.723	ug/l	97
17) Carbon Disulfide	4.417	76	28048	5.134	ug/l	96
18) Methyl Acetate	4.698	43	10206	5.004	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	20274	4.916	ug/l	92
20) Methylene Chloride	4.954	84	20105	4.155	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	12345	5.060	ug/l	94
22) Diisopropyl ether	6.338	45	32072	4.750	ug/l	91
23) Vinyl Acetate	6.277	43	101339	22.074	ug/l	99
24) 1,1-Dichloroethane	6.234	63	23105	5.227	ug/l	99
25) 2-Butanone	7.191	43	20788	22.919	ug/l	100
26) 2,2-Dichloropropane	7.185	77	11564	4.940	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	15178	5.112	ug/l	96
28) Bromochloromethane	7.532	49	10305	5.092	ug/l	97
29) Tetrahydrofuran	7.551	42	13561	23.528	ug/l	97
30) Chloroform	7.691	83	26348	5.220	ug/l	94
31) Cyclohexane	7.965	56	21648	5.966	ug/l #	83
32) 1,1,1-Trichloroethane	7.892	97	19386	5.262	ug/l	98
36) 1,1-Dichloropropene	8.093	75	16546	4.910	ug/l	98
37) Ethyl Acetate	7.282	43	9606	4.752	ug/l #	96
38) Carbon Tetrachloride	8.081	117	17291	4.786	ug/l	99
39) Methylcyclohexane	9.343	83	18002	4.510	ug/l	90
40) Benzene	8.331	78	51163	4.912	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032137.D
 Acq On : 26 Aug 2025 09:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:47:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5632	5.015	ug/l #	85
42) 1,2-Dichloroethane	8.410	62	18244	5.052	ug/l	97
43) Isopropyl Acetate	8.435	43	17422	4.594	ug/l	97
44) Trichloroethene	9.099	130	12977	4.954	ug/l	100
45) 1,2-Dichloropropane	9.374	63	12512	4.983	ug/l	97
46) Dibromomethane	9.465	93	8740	4.962	ug/l	97
47) Bromodichloromethane	9.648	83	19254	4.811	ug/l	93
48) Methyl methacrylate	9.441	41	7054	4.036	ug/l	89
49) 1,4-Dioxane	9.459	88	1889	88.770	ug/l #	38
51) 4-Methyl-2-Pentanone	10.215	43	48128	22.475	ug/l	96
52) Toluene	10.386	92	32955	4.841	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	14930	4.229	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	18295	4.541	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	11334	4.949	ug/l	90
56) Ethyl methacrylate	10.648	69	11883	4.058	ug/l	97
57) 1,3-Dichloropropane	10.934	76	18781	4.897	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	31610	20.226	ug/l	100
59) 2-Hexanone	10.971	43	32049	21.520	ug/l	94
60) Dibromochloromethane	11.129	129	13014	4.696	ug/l	97
61) 1,2-Dibromoethane	11.239	107	10499	4.662	ug/l	91
64) Tetrachloroethene	10.861	164	11029	4.832	ug/l #	85
65) Chlorobenzene	11.660	112	39417	4.994	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	12280	4.726	ug/l	96
67) Ethyl Benzene	11.733	91	58107	4.493	ug/l	100
68) m/p-Xylenes	11.843	106	43484	8.737	ug/l	96
69) o-Xylene	12.160	106	20131	4.276	ug/l	95
70) Styrene	12.178	104	34891	4.204	ug/l	98
71) Bromoform	12.349	173	7031	4.556	ug/l #	100
73) Isopropylbenzene	12.464	105	51013	4.170	ug/l	100
74) N-amyl acetate	12.269	43	15062	4.241	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.708	83	14008	4.818	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	11273m	4.835	ug/l	
77) Bromobenzene	12.745	156	14669	4.702	ug/l	96
78) n-propylbenzene	12.800	91	63470	4.274	ug/l	97
79) 2-Chlorotoluene	12.891	91	40515	4.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	43406	4.191	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	3233	3.859	ug/l	91
82) 4-Chlorotoluene	12.983	91	43697	4.495	ug/l	98
83) tert-Butylbenzene	13.202	119	36884	4.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	45544	4.250	ug/l	99
85) sec-Butylbenzene	13.379	105	57822	4.410	ug/l	99
86) p-Isopropyltoluene	13.495	119	47272	4.240	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	29910	4.762	ug/l	95
88) 1,4-Dichlorobenzene	13.580	146	31029	4.929	ug/l	97
89) n-Butylbenzene	13.818	91	46303	4.356	ug/l	97
90) Hexachloroethane	14.086	117	9687	4.750	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	27202	4.891	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	2386	4.646	ug/l	90
93) 1,2,4-Trichlorobenzene	15.129	180	15663	4.408	ug/l	96
94) Hexachlorobutadiene	15.226	225	8916	5.060	ug/l	99
95) Naphthalene	15.354	128	32224	4.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	14982	4.534	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032137.D
Acq On : 26 Aug 2025 09:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:47:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

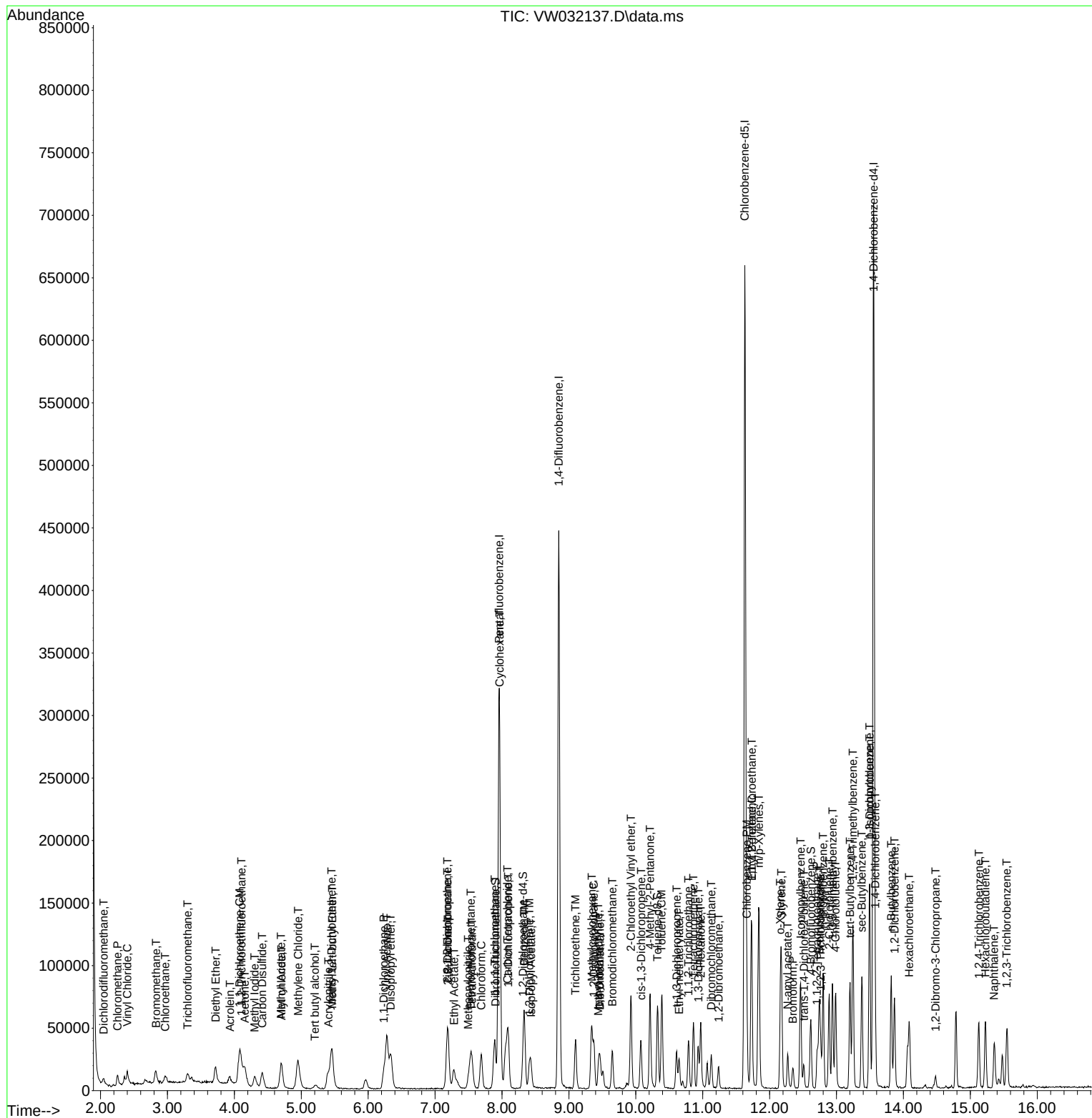
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

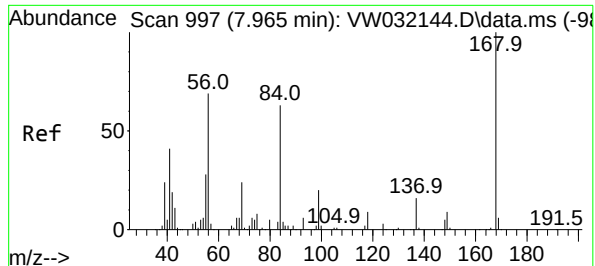
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

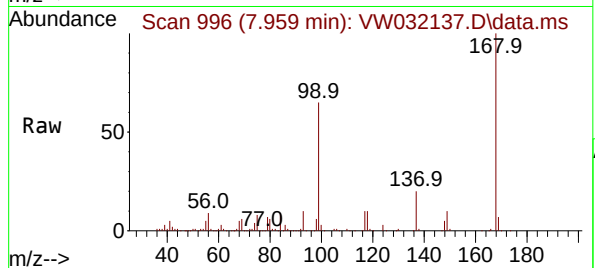
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

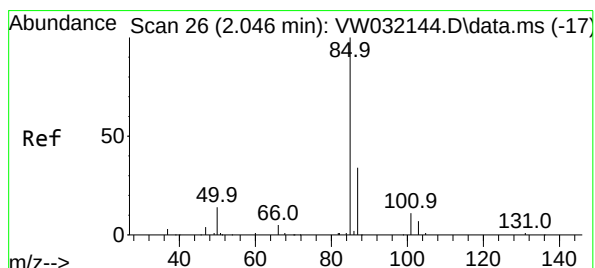
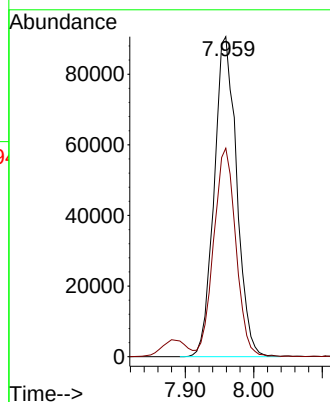
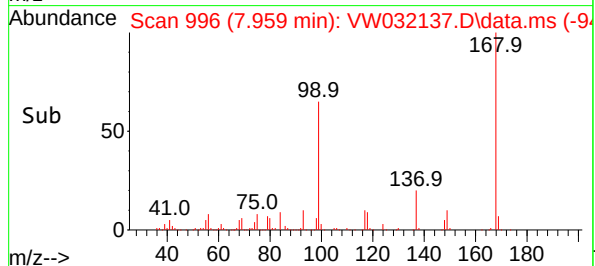
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 206660
Ion Ratio Lower Upper
168 100
99 65.0 49.3 73.9

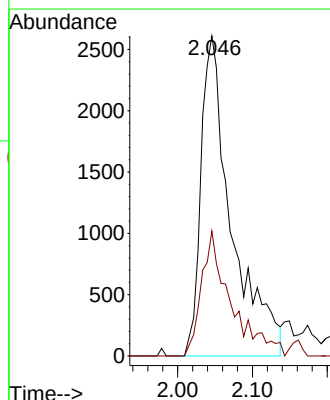
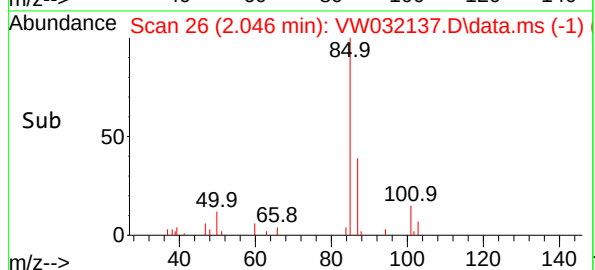
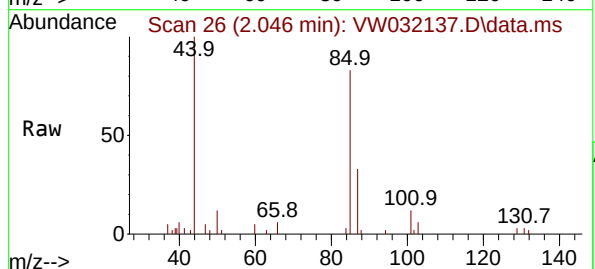
Manual Integrations
APPROVED

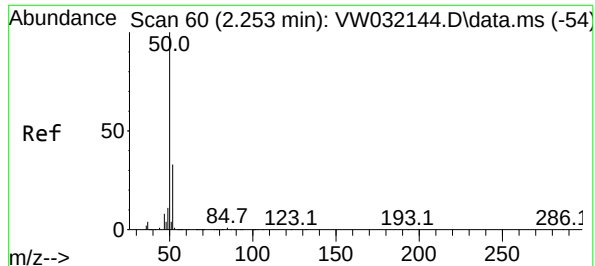
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 5.427 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 85 Resp: 7405
Ion Ratio Lower Upper
85 100
87 39.0 17.2 51.6





#3

Chloromethane

Concen: 5.752 ug/l

RT: 2.253 min Scan# 60

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 8229

Ion Ratio Lower Upper

50 100

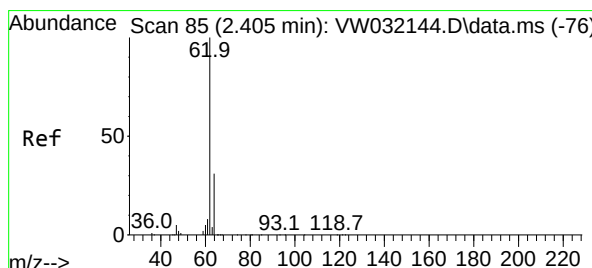
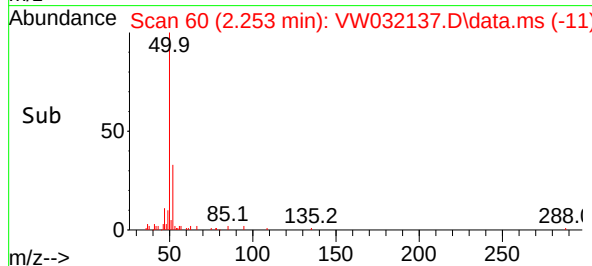
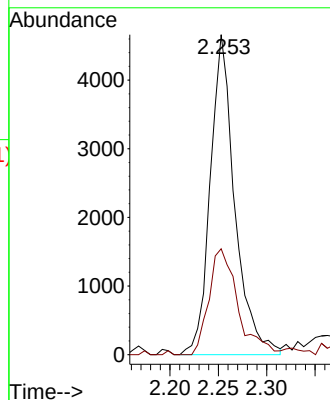
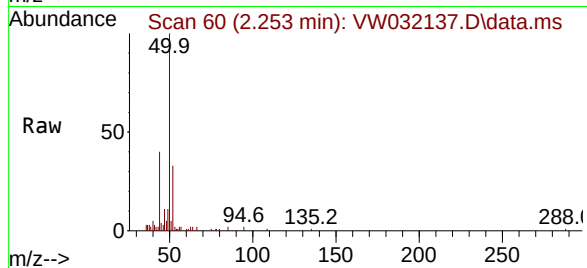
52 33.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#4

Vinyl Chloride

Concen: 5.455 ug/l

RT: 2.399 min Scan# 84

Delta R.T. -0.006 min

Lab File: VW032137.D

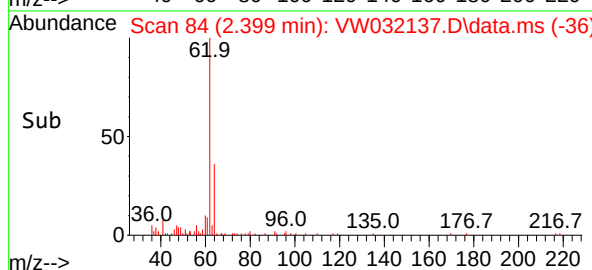
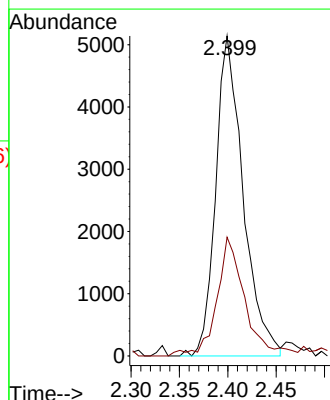
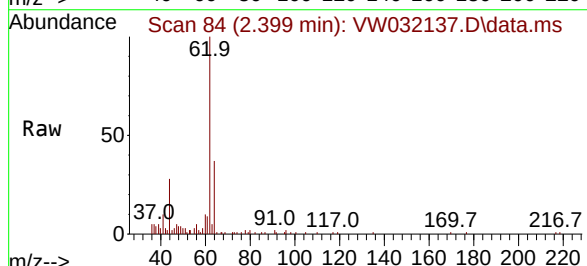
Acq: 26 Aug 2025 09:39

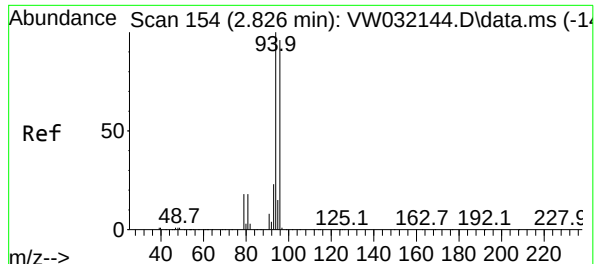
Tgt Ion: 62 Resp: 10135

Ion Ratio Lower Upper

62 100

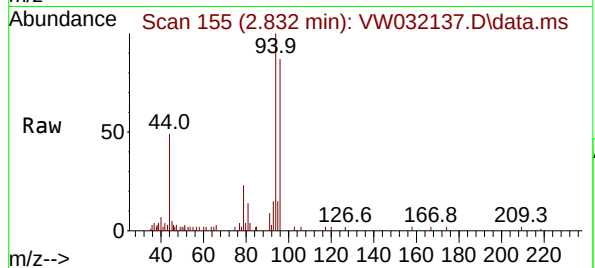
64 35.3 24.8 37.2





#5
Bromomethane
Concen: 5.722 ug/l
RT: 2.832 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

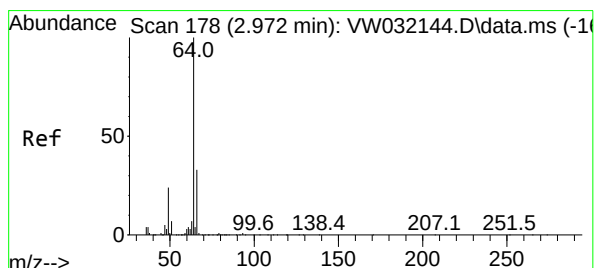
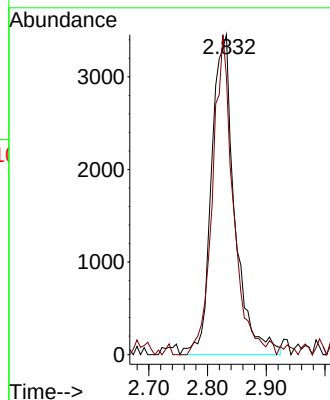
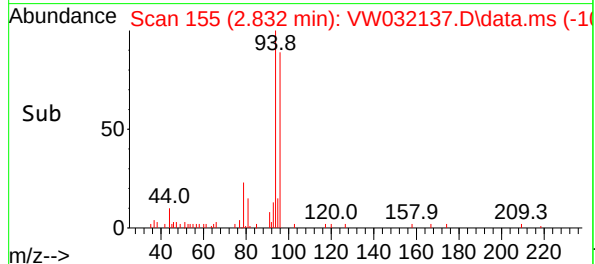
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 949
Ion Ratio Lower Upper
94 100
96 86.8 76.6 115.0

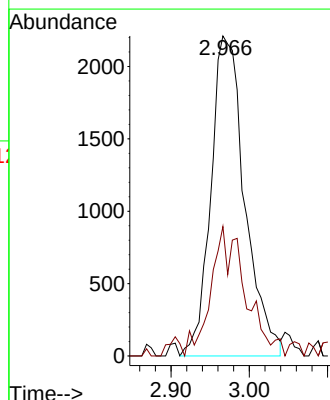
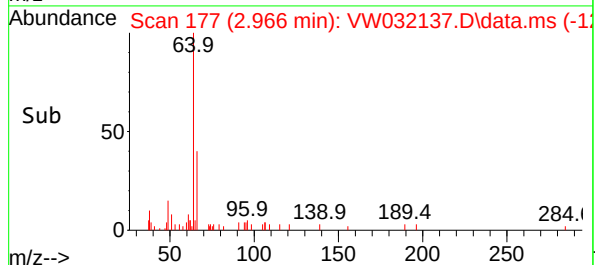
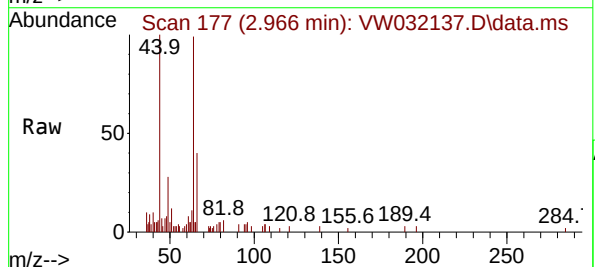
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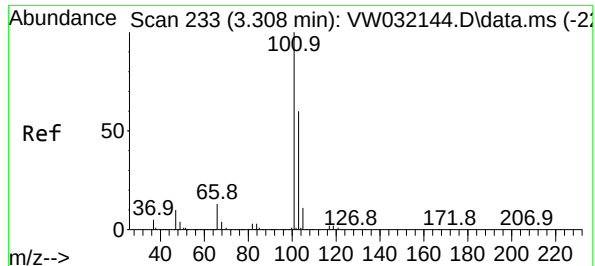
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 5.082 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 64 Resp: 6650
Ion Ratio Lower Upper
64 100
66 38.2 26.2 39.4





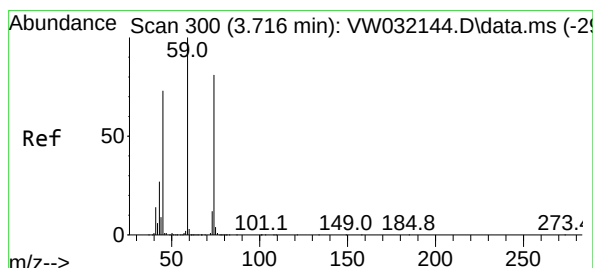
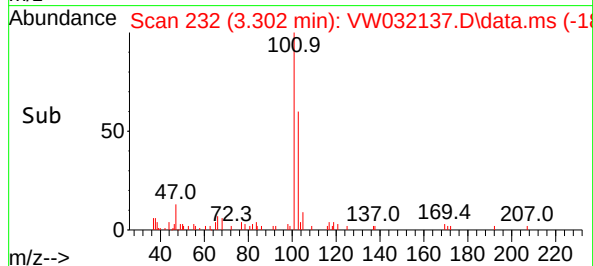
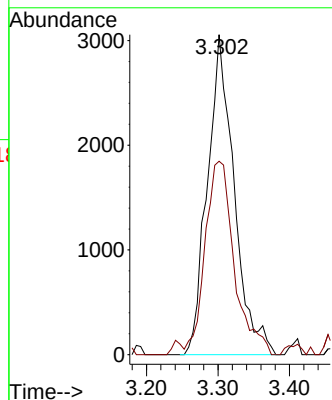
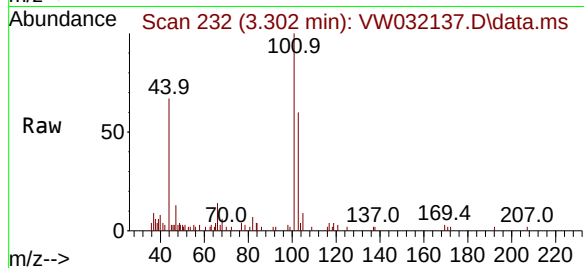
#7
Trichlorofluoromethane
Concen: 4.299 ug/l
RT: 3.302 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 7914
Ion Ratio Lower Upper
101 100
103 60.5 47.8 71.8

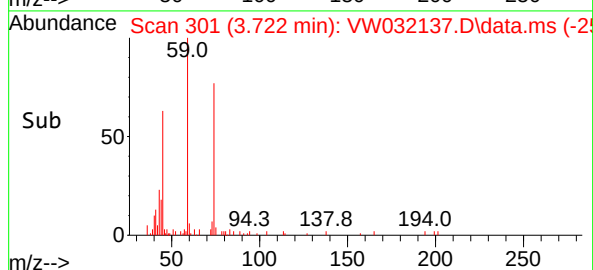
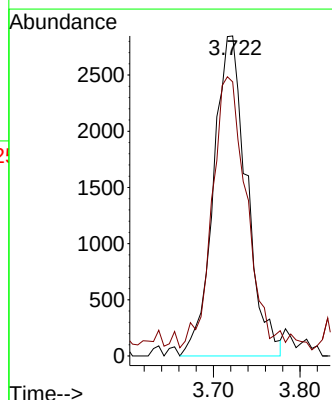
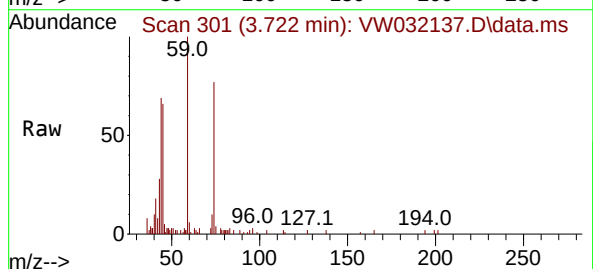
Manual Integrations
APPROVED

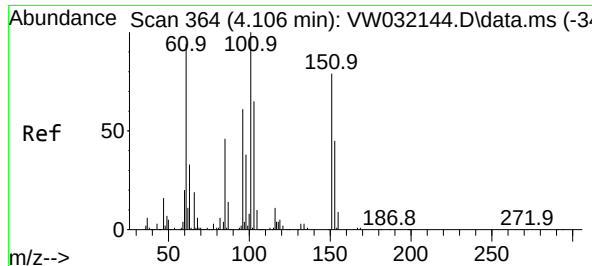
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 5.524 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 74 Resp: 7589
Ion Ratio Lower Upper
74 100
45 85.7 43.1 129.4





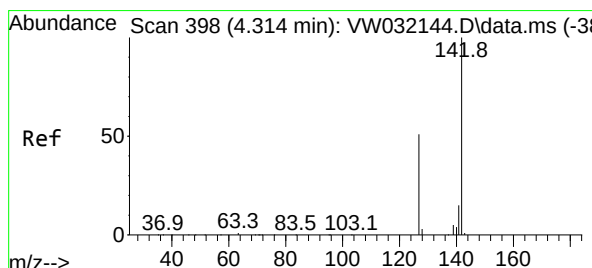
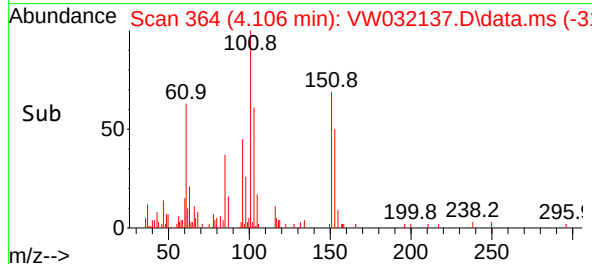
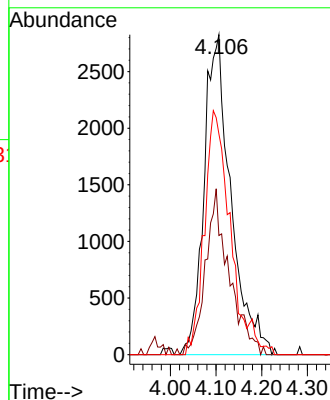
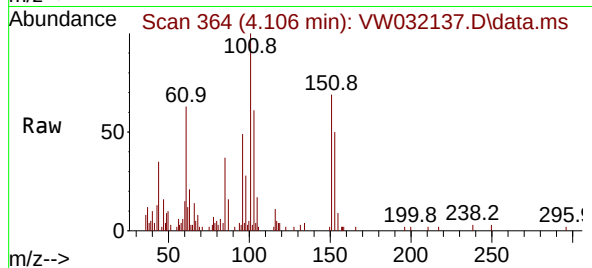
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.560 ug/l
RT: 4.106 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1153
Ion Ratio Lower Upper
101 100
85 45.6 37.1 55.7
151 69.5 61.5 92.3

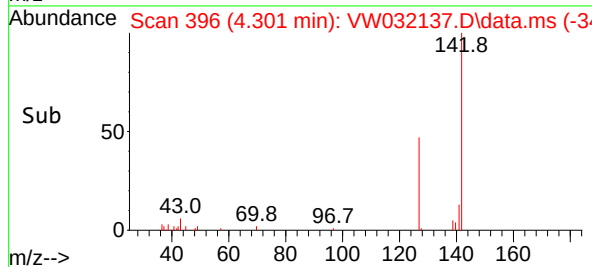
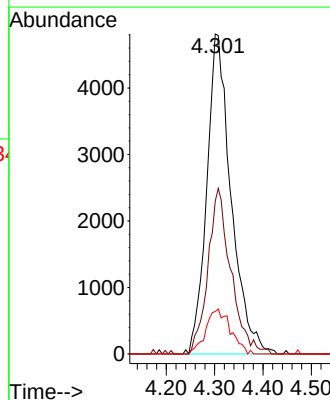
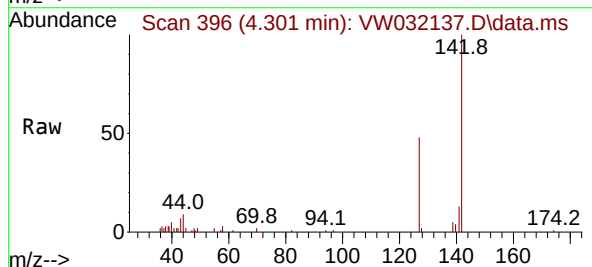
Manual Integrations
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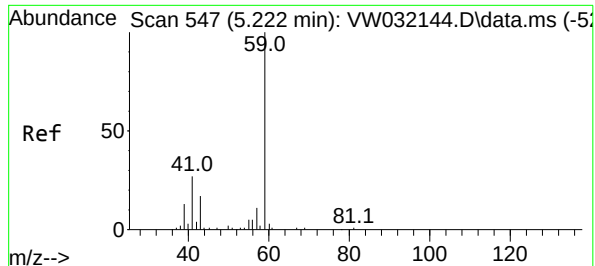
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#10
Methyl Iodide
Concen: 5.329 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion:142 Resp: 16828
Ion Ratio Lower Upper
142 100
127 48.7 38.2 57.2
141 14.3 12.2 18.2





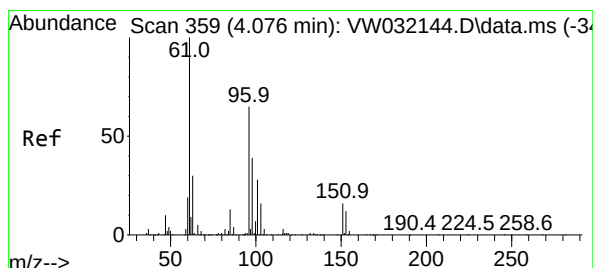
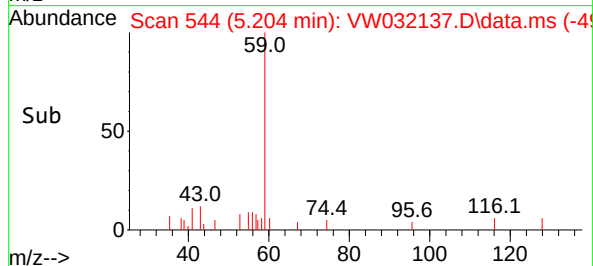
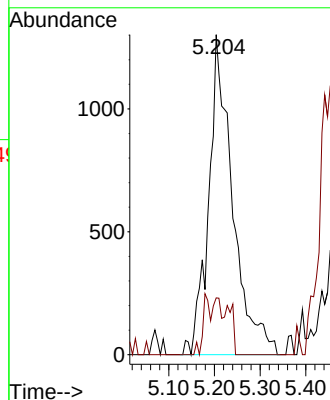
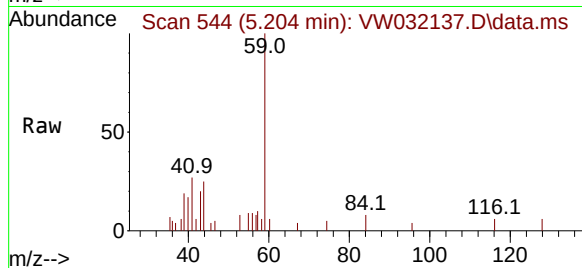
#11
Tert butyl alcohol
Concen: 26.308 ug/l
RT: 5.204 min Scan# 547
Delta R.T. -0.018 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 4750
Ion Ratio Lower Upper
59 100
57 7.4 9.8 14.6

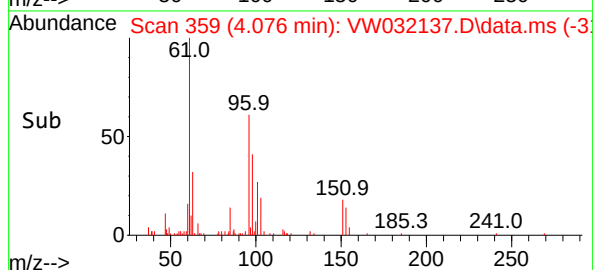
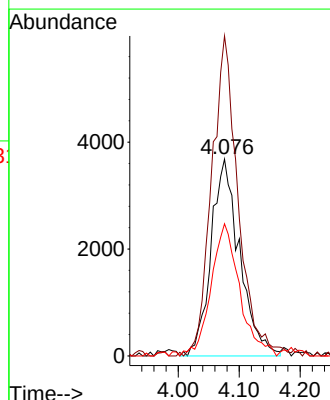
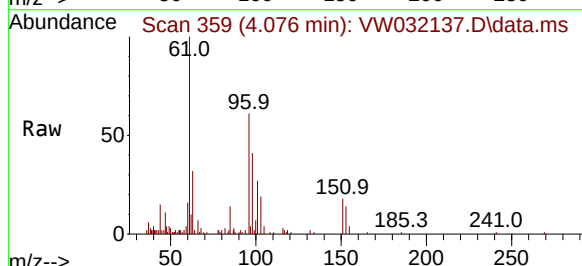
Manual Integrations
APPROVED

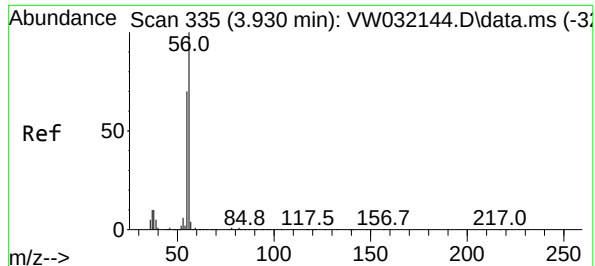
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#12
1,1-Dichloroethene
Concen: 5.505 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 96 Resp: 12023
Ion Ratio Lower Upper
96 100
61 160.7 123.0 184.4
98 67.1 48.5 72.7





#13

Acrolein

Concen: 27.119 ug/l

RT: 3.936 min Scan# 335

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 7530

Ion Ratio Lower Upper

56 100

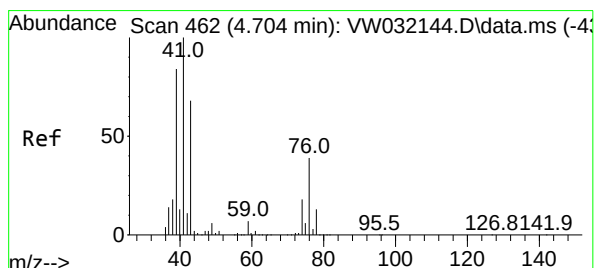
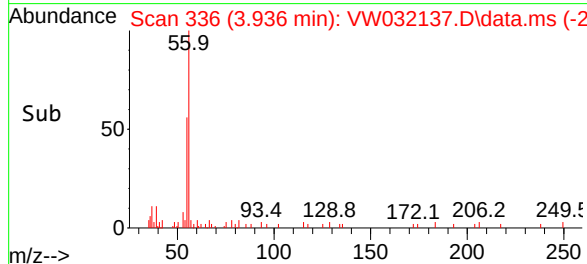
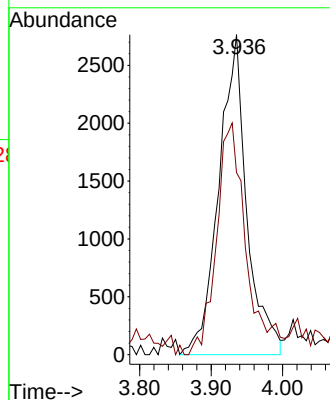
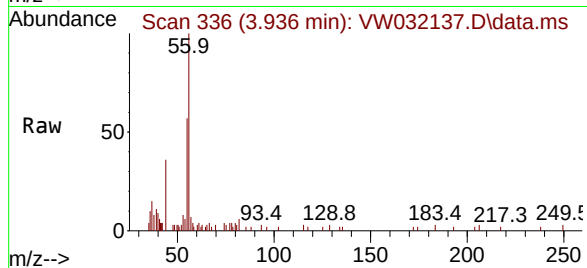
55 76.1 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#14

Allyl chloride

Concen: 5.192 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

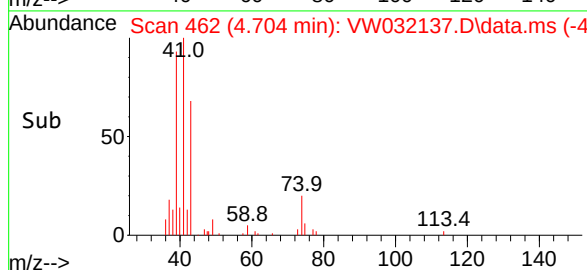
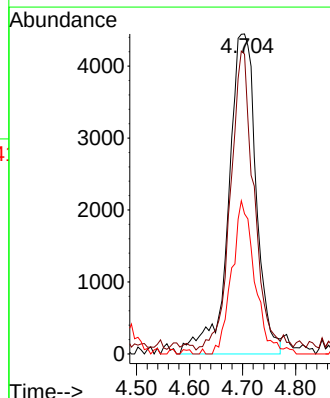
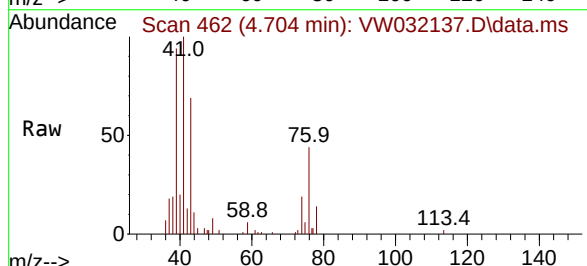
Tgt Ion: 41 Resp: 16108

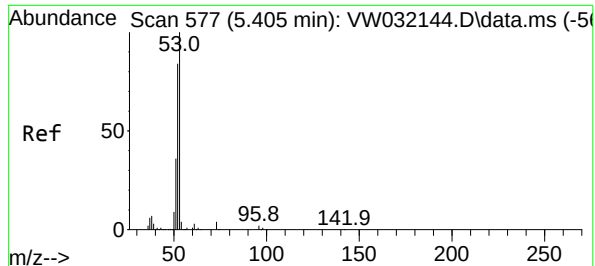
Ion Ratio Lower Upper

41 100

39 78.5 64.1 96.1

76 39.5 31.4 47.2





#15

Acrylonitrile

Concen: 23.497 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

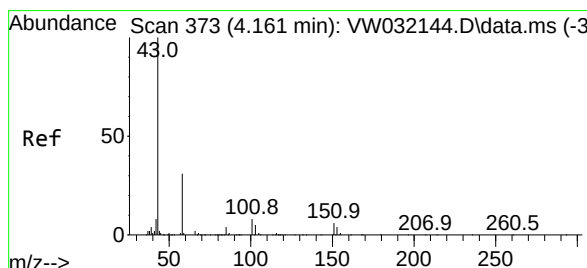
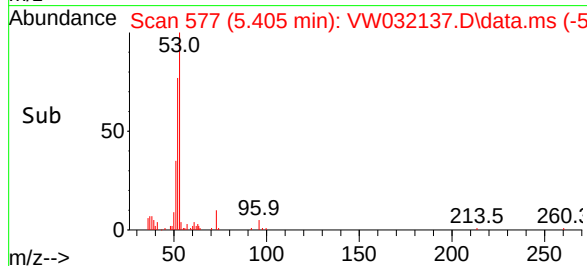
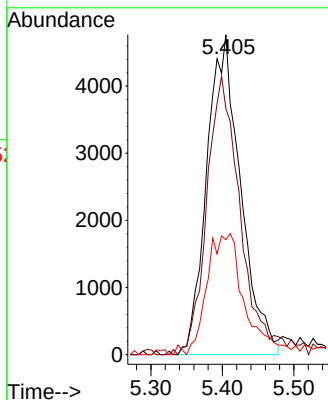
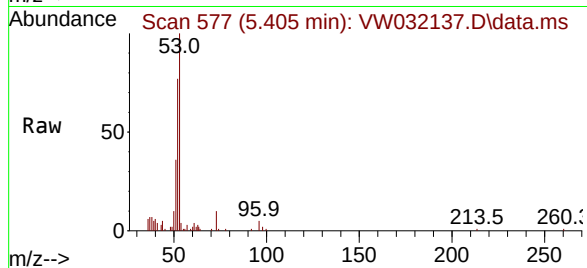
ClientSampleId :

VSTDICC005

Tgt Ion:	53	Resp:	1569
Ion	Ratio	Lower	Upper
53	100		
52	87.2	67.4	101.2
51	41.4	30.3	45.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16

Acetone

Concen: 28.723 ug/l

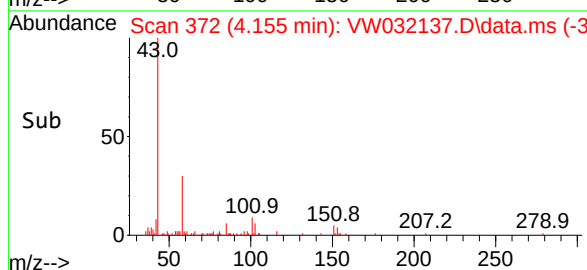
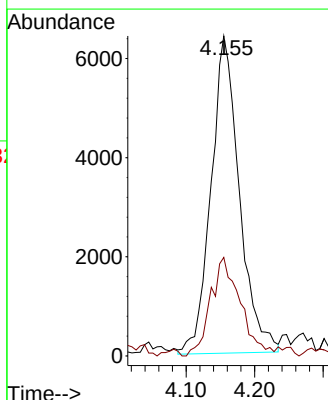
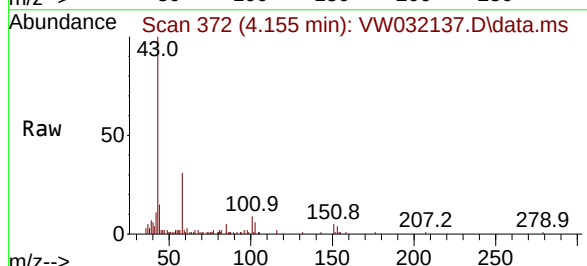
RT: 4.155 min Scan# 372

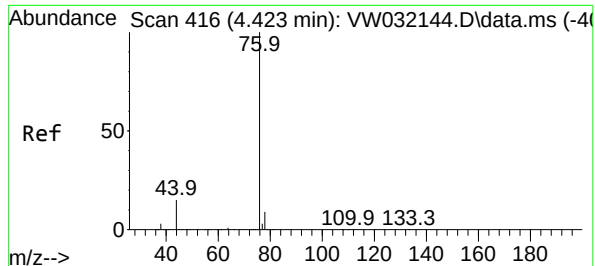
Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	43	Resp:	18385
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.3	37.9





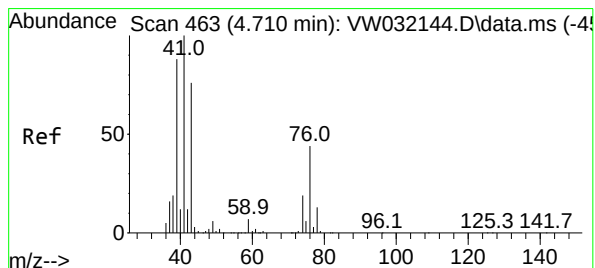
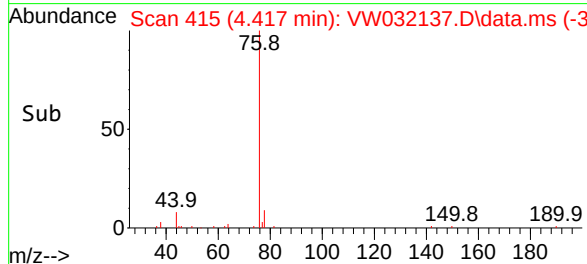
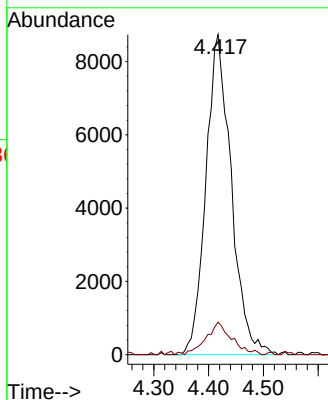
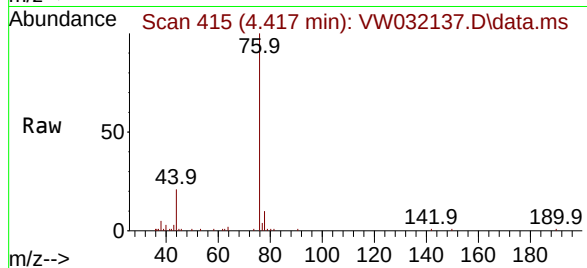
#17
Carbon Disulfide
Concen: 5.134 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 2804
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.6

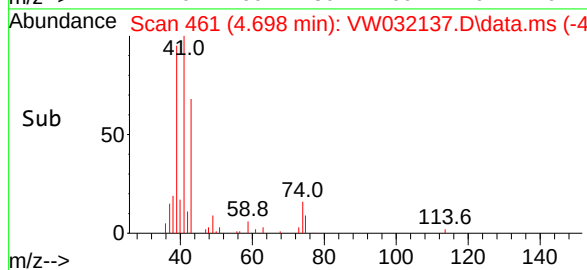
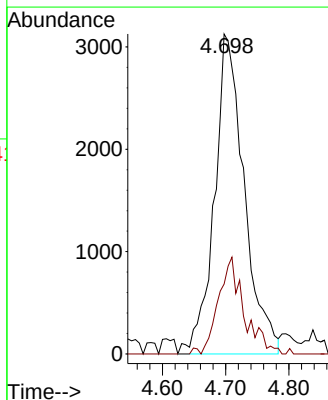
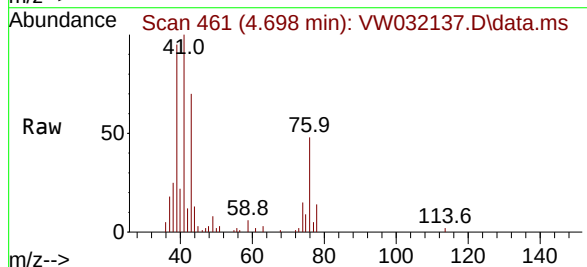
Manual Integrations
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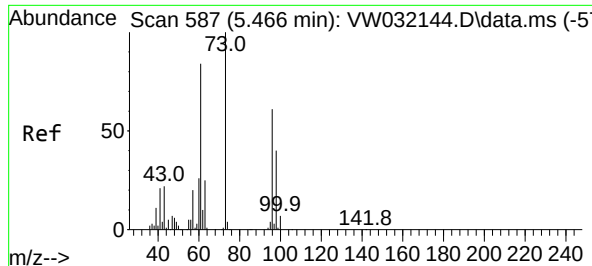
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#18
Methyl Acetate
Concen: 5.004 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 43 Resp: 10206
Ion Ratio Lower Upper
43 100
74 26.2 20.2 30.4





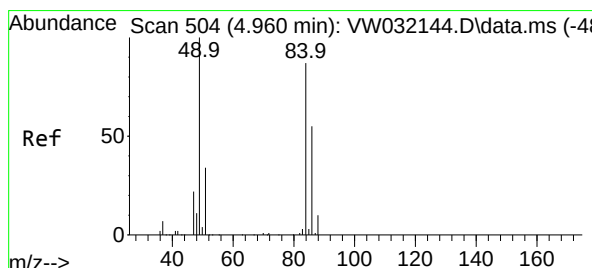
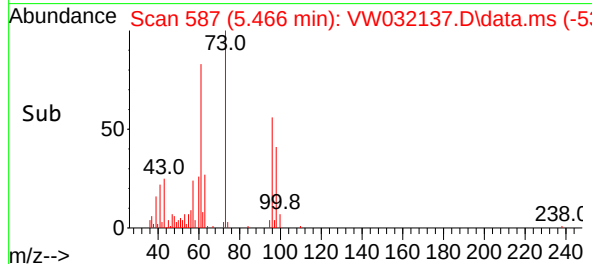
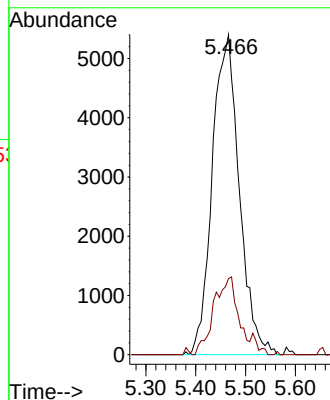
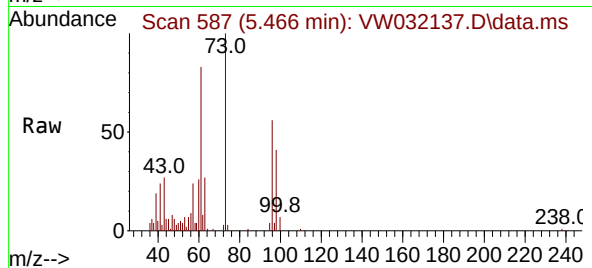
#19
Methyl tert-butyl Ether
Concen: 4.916 ug/l
RT: 5.466 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20274
Ion Ratio Lower Upper
73 100
57 23.8 16.2 24.4

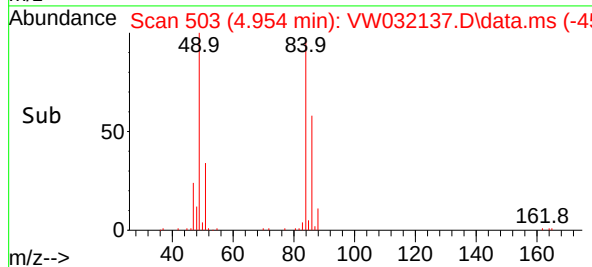
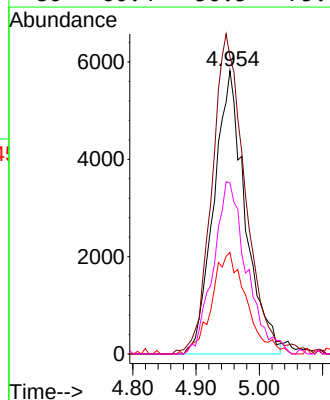
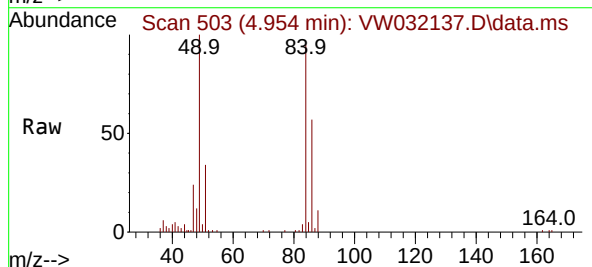
Manual Integrations
APPROVED

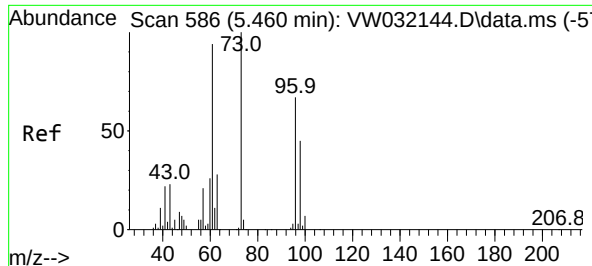
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#20
Methylene Chloride
Concen: 4.155 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

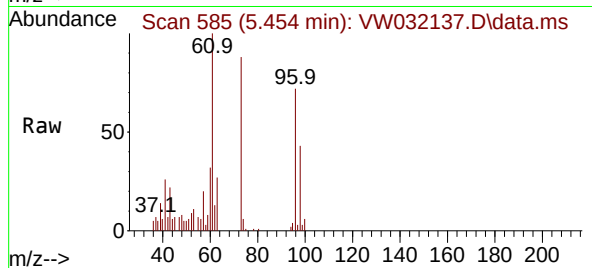
Tgt Ion: 84 Resp: 20105
Ion Ratio Lower Upper
84 100
49 103.8 92.2 138.4
51 34.9 31.0 46.6
86 60.4 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 5.060 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

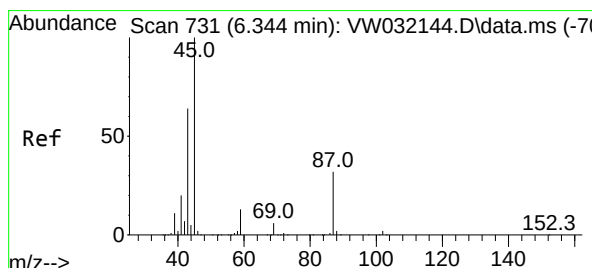
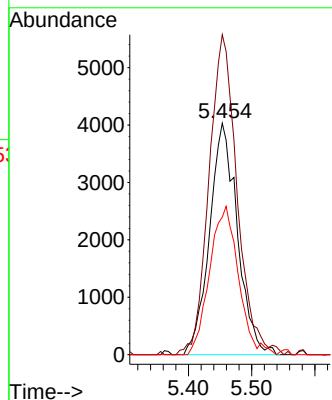
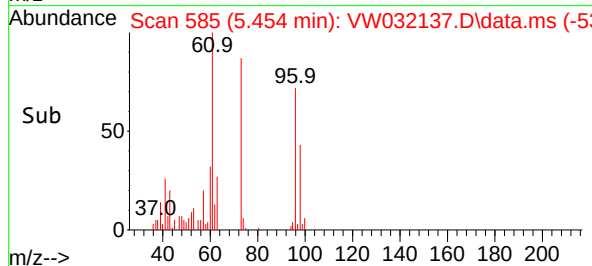
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 12345
Ion Ratio Lower Upper
96 100
61 136.6 112.5 168.7
98 59.4 54.2 81.4

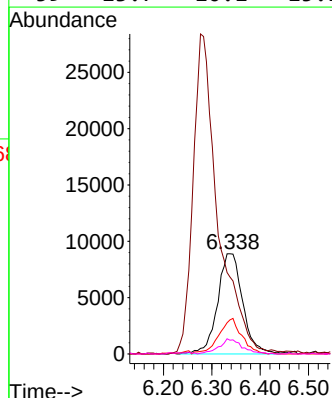
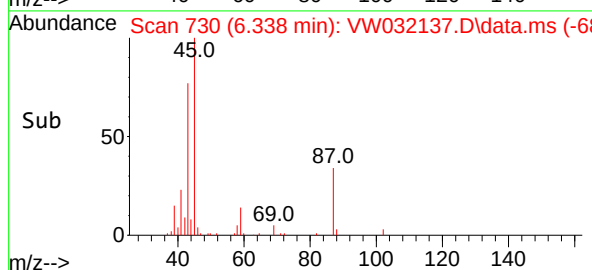
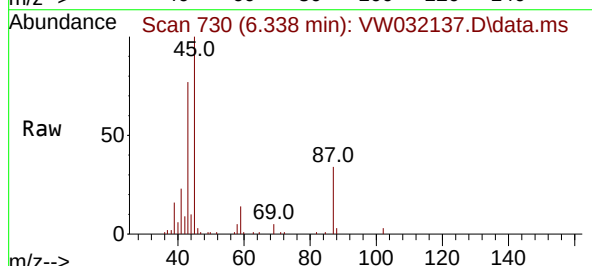
Manual Integrations
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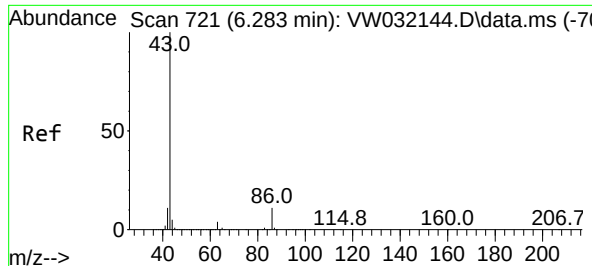
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 4.750 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

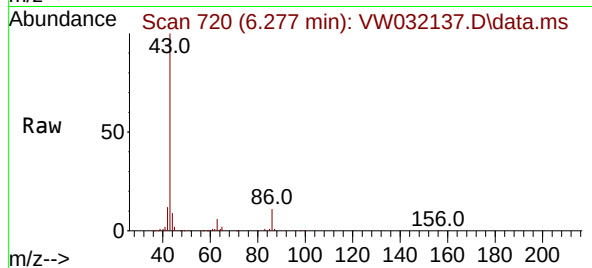
Tgt Ion: 45 Resp: 32072
Ion Ratio Lower Upper
45 100
43 74.2 51.4 77.2
87 34.0 25.9 38.9
59 13.7 10.1 15.1





#23
Vinyl Acetate
Concen: 22.074 ug/l
RT: 6.277 min Scan# 713
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

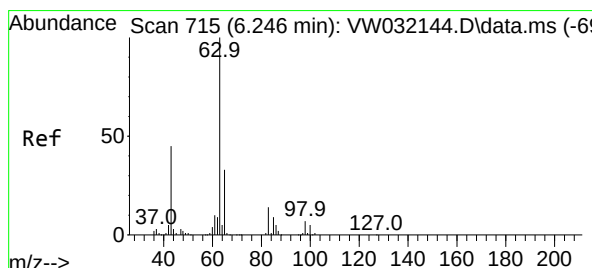
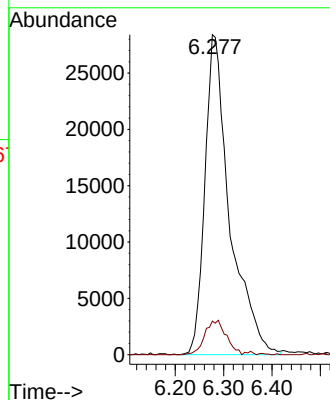
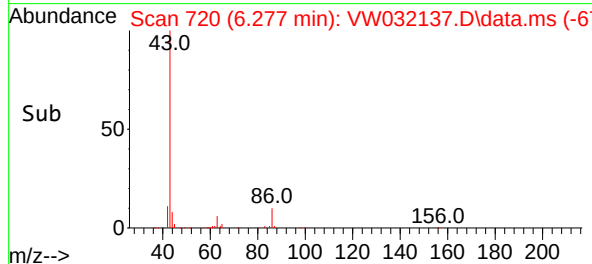
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 101339
Ion Ratio Lower Upper
43 100
86 10.5 8.8 13.2

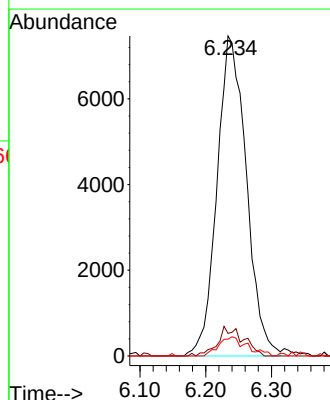
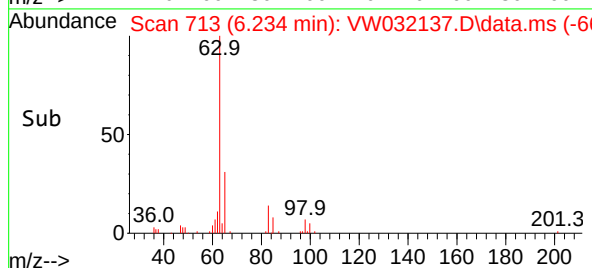
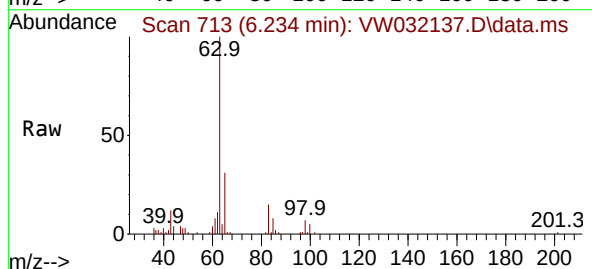
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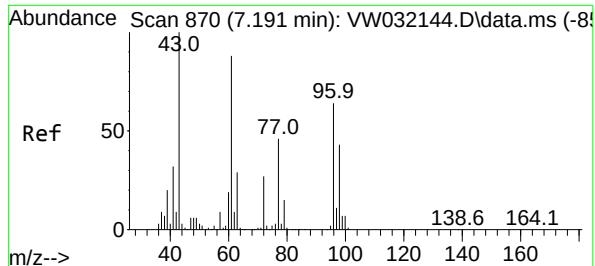
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#24
1,1-Dichloroethane
Concen: 5.227 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.012 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 63 Resp: 23105
Ion Ratio Lower Upper
63 100
98 7.1 3.8 11.2
100 5.3 2.5 7.5





#25

2-Butanone

Concen: 22.919 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

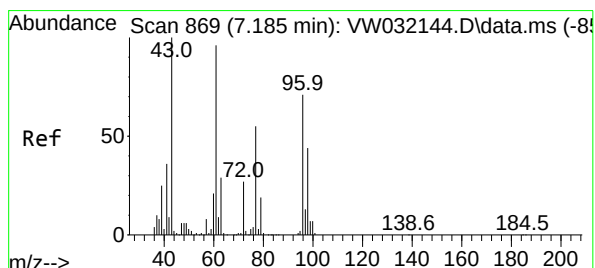
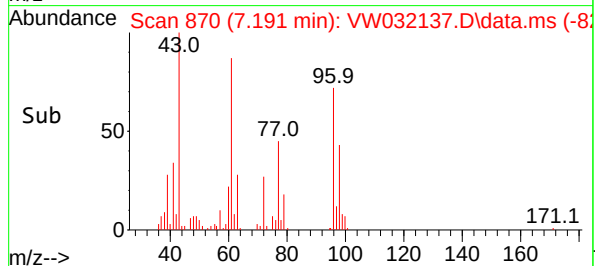
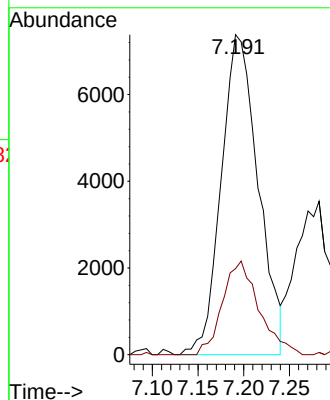
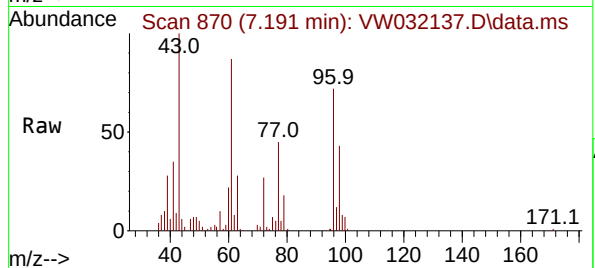
72 26.9 21.4 32.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 4.940 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032137.D

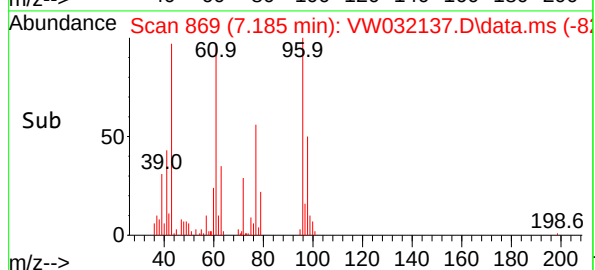
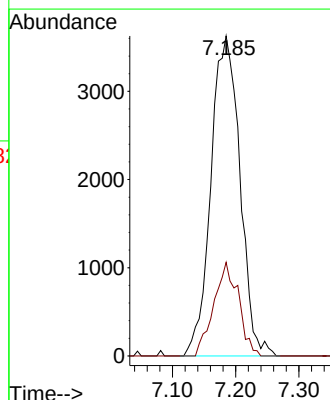
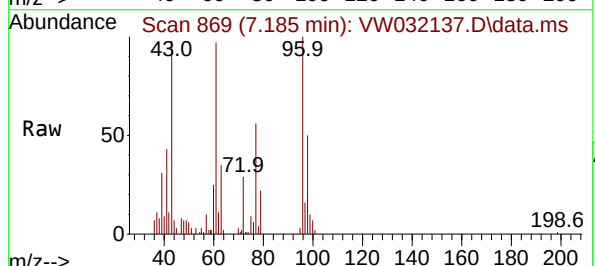
Acq: 26 Aug 2025 09:39

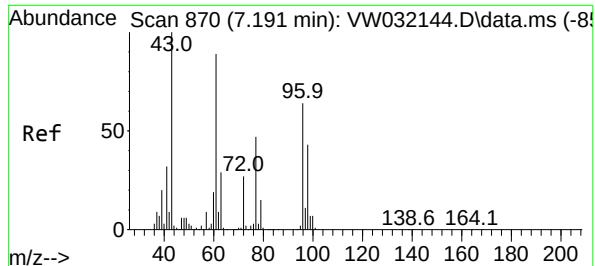
Tgt Ion: 77 Resp: 11564

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 5.112 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

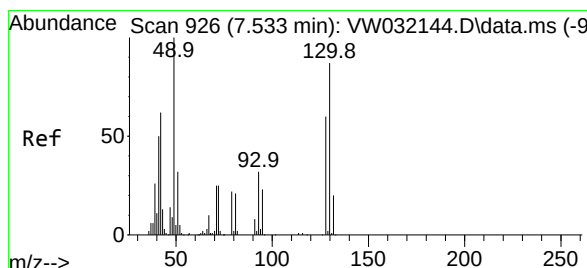
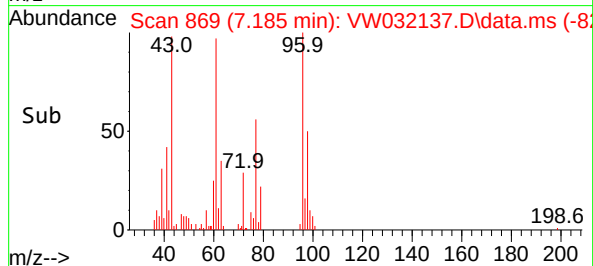
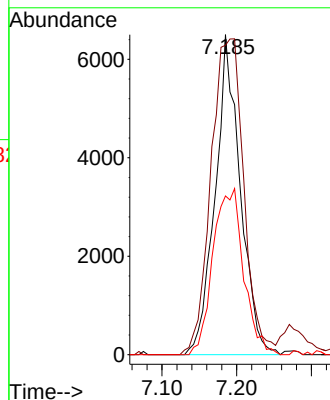
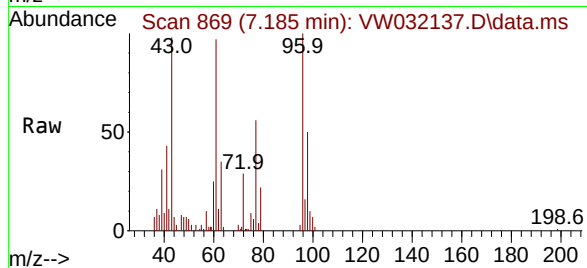
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	1517
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	268.0
98	63.3	0.0	130.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 5.092 ug/l

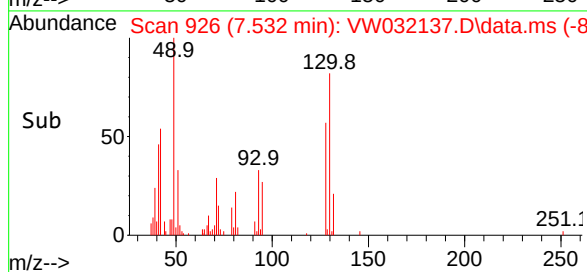
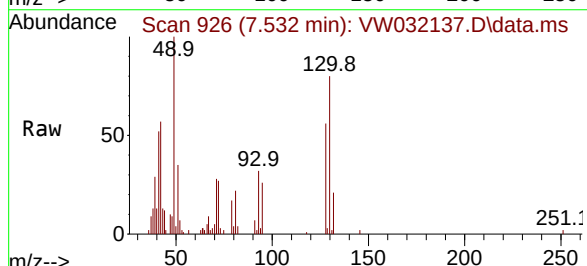
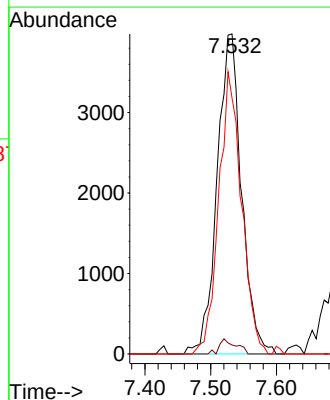
RT: 7.532 min Scan# 926

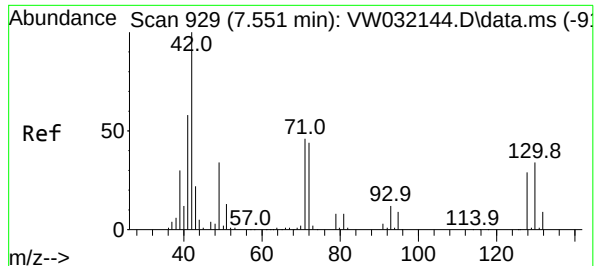
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	49	Resp:	10305
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.2
130	82.0	67.5	101.3





#29

Tetrahydrofuran

Concen: 23.528 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 1356

Ion Ratio Lower Upper

42 100

72 45.6 37.4 56.2

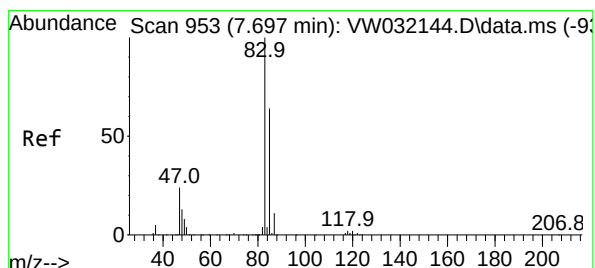
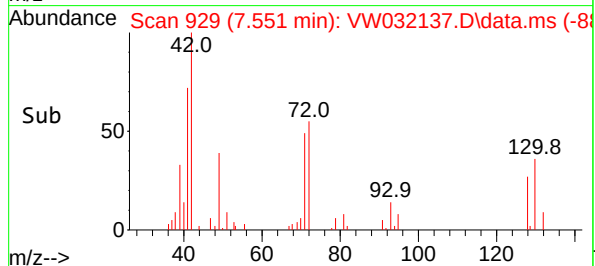
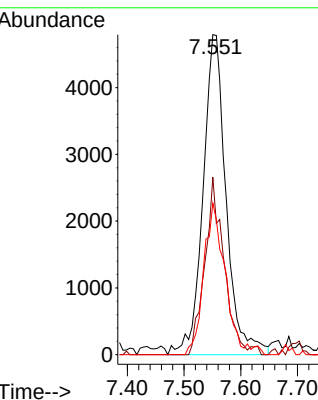
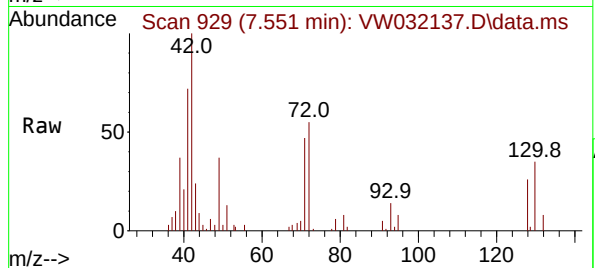
71 42.7 36.0 54.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 5.220 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.006 min

Lab File: VW032137.D

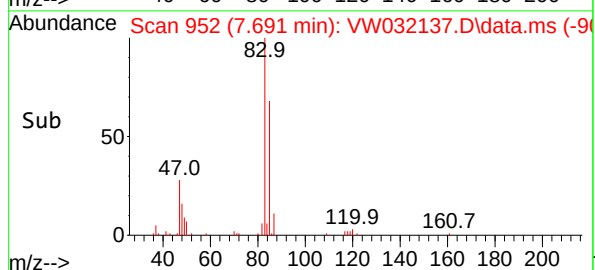
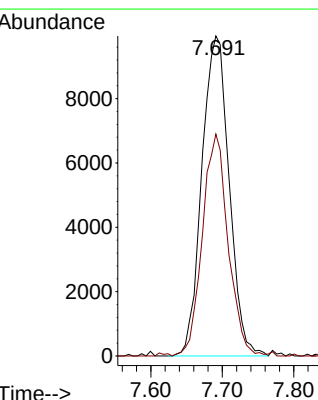
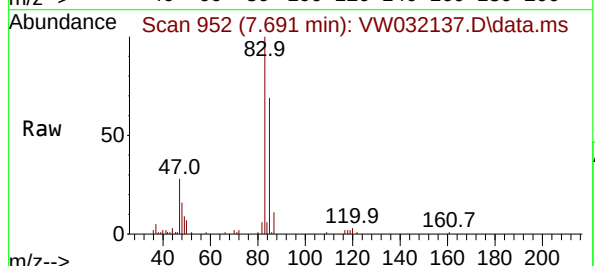
Acq: 26 Aug 2025 09:39

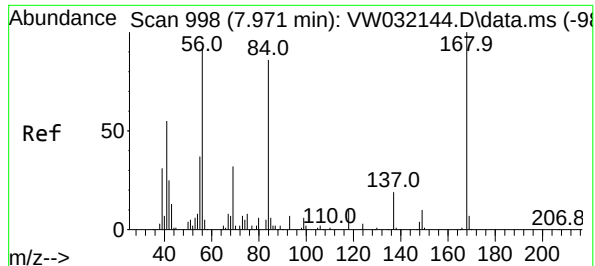
Tgt Ion: 83 Resp: 26348

Ion Ratio Lower Upper

83 100

85 68.7 51.2 76.8





#31

Cyclohexane

Concen: 5.966 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 2164

Ion Ratio Lower Upper

56 100

69 58.4 27.7 41.5

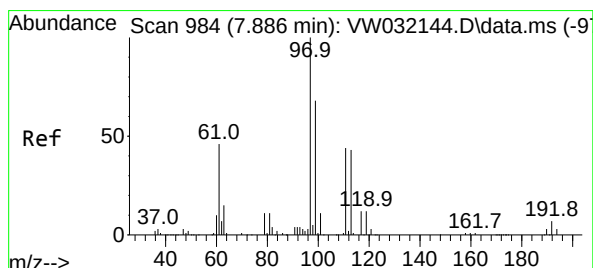
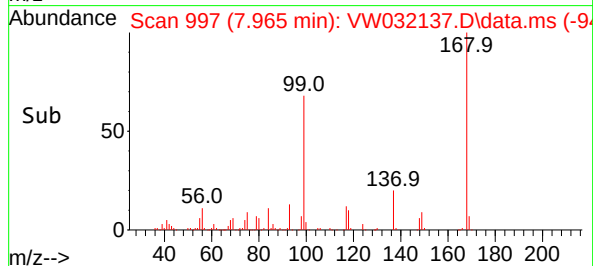
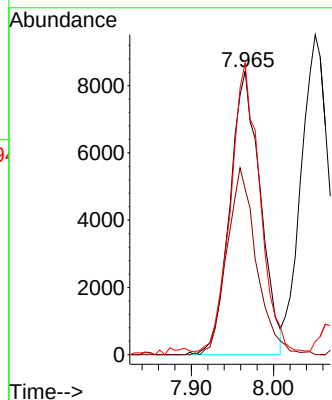
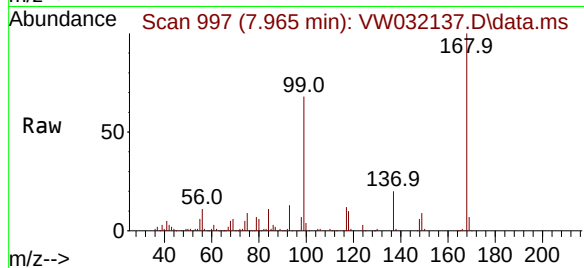
84 101.2 74.6 112.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#32

1,1,1-Trichloroethane

Concen: 5.262 ug/l

RT: 7.892 min Scan# 985

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

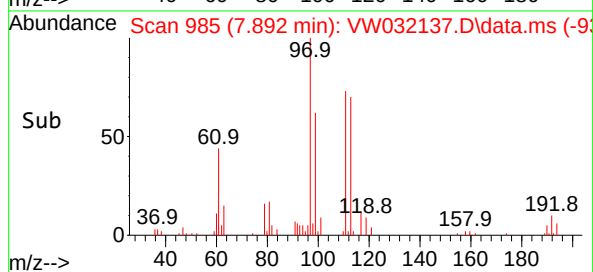
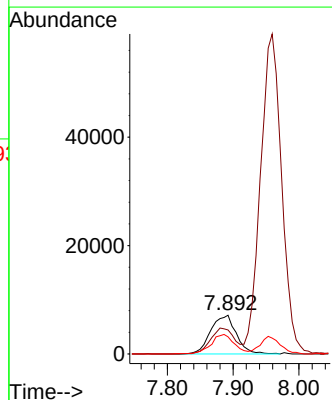
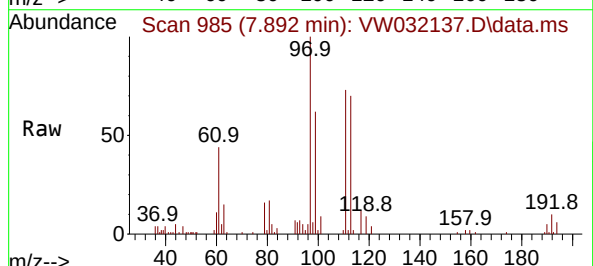
Tgt Ion: 97 Resp: 19386

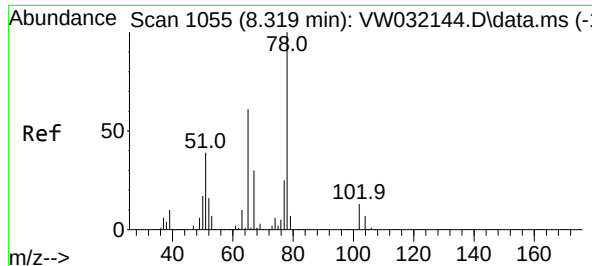
Ion Ratio Lower Upper

97 100

99 61.6 50.9 76.3

61 46.0 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 5.258 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1554

Ion Ratio Lower Upper

65 100

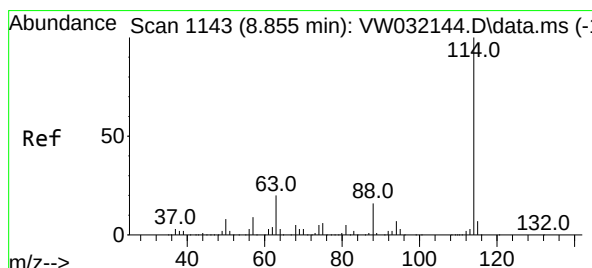
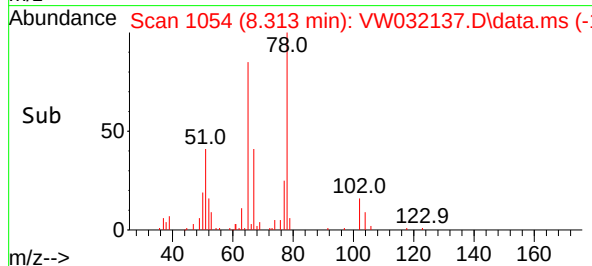
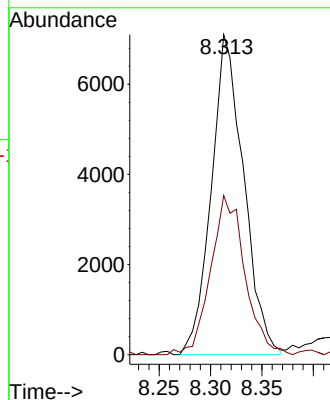
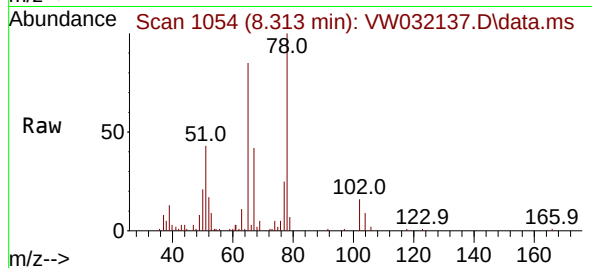
67 52.5 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

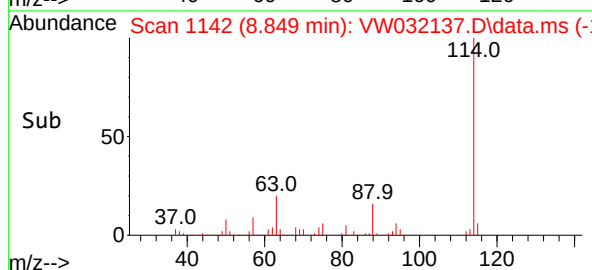
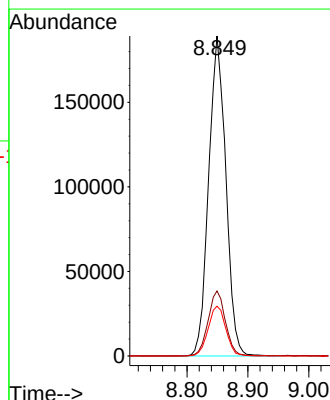
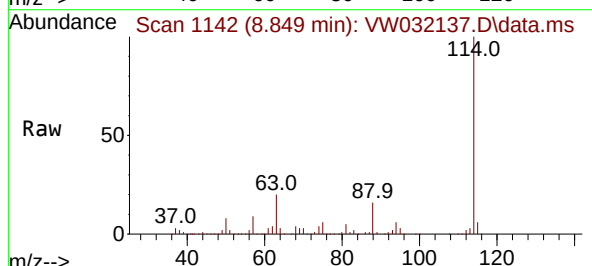
Tgt Ion:114 Resp: 370444

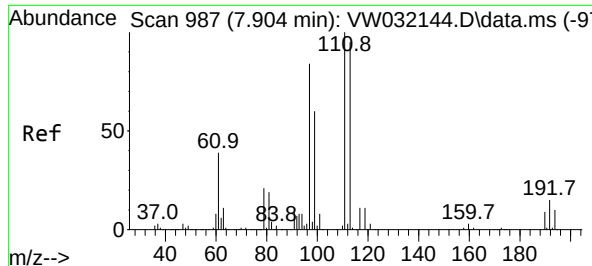
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 5.233 ug/l

RT: 7.904 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion:113 Resp: 1360

Ion Ratio Lower Upper

113 100

111 102.2 83.9 125.9

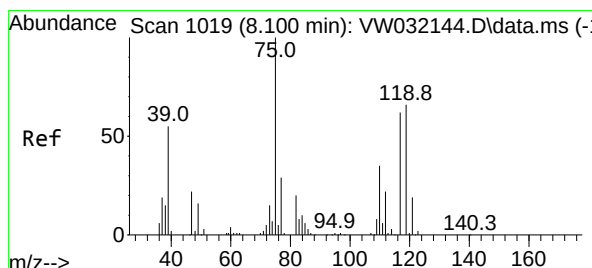
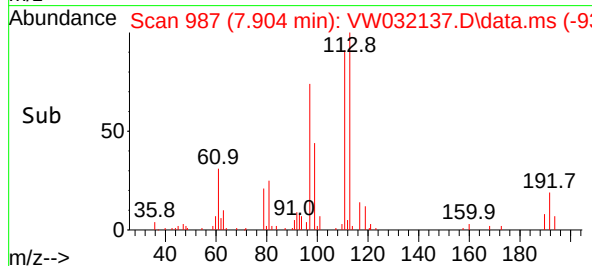
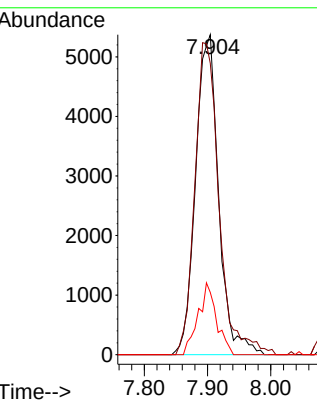
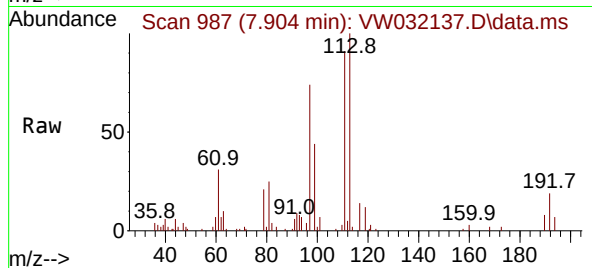
192 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

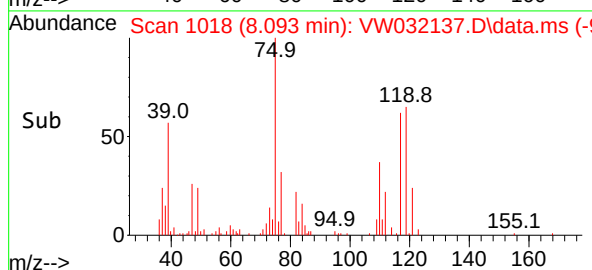
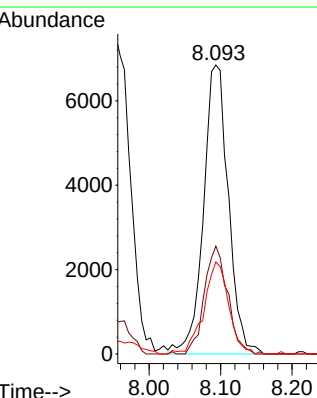
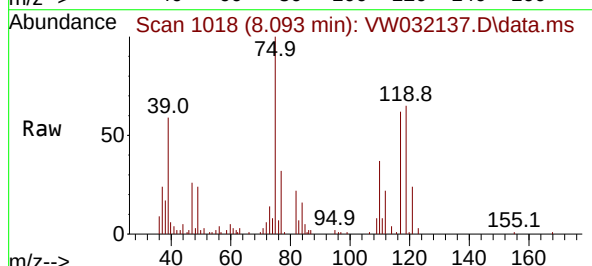
Tgt Ion: 75 Resp: 16546

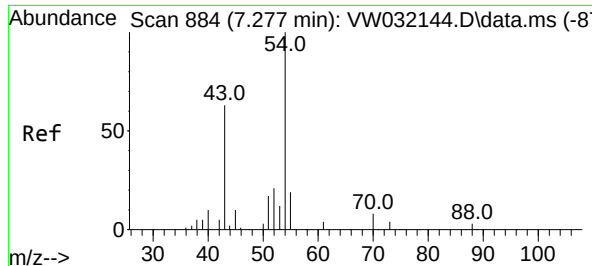
Ion Ratio Lower Upper

75 100

110 34.7 17.5 52.5

77 32.0 24.1 36.1





#37

Ethyl Acetate

Concen: 4.752 ug/l

RT: 7.282 min Scan# 884

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

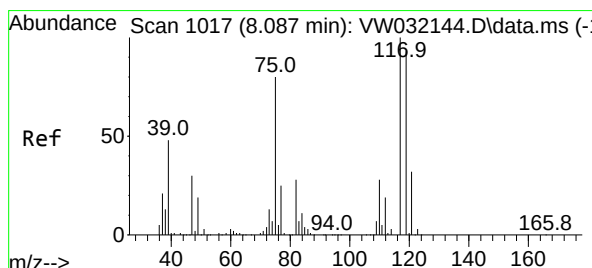
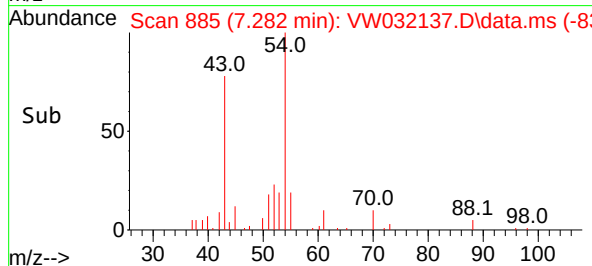
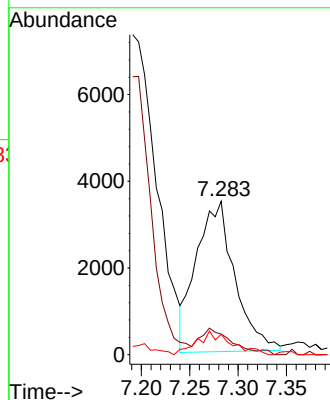
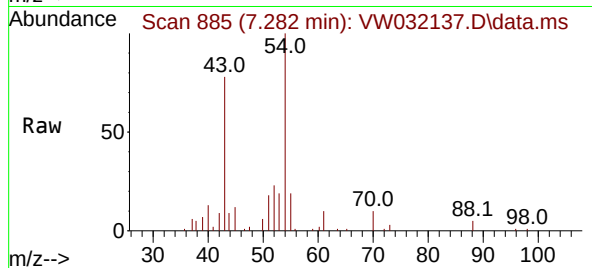
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	9600
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	13.9	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 4.786 ug/l

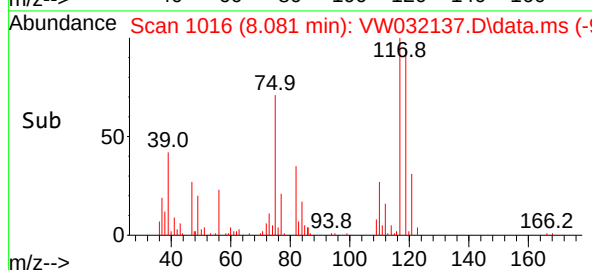
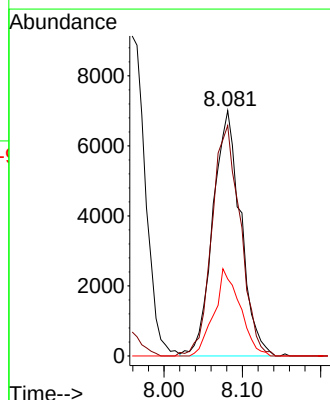
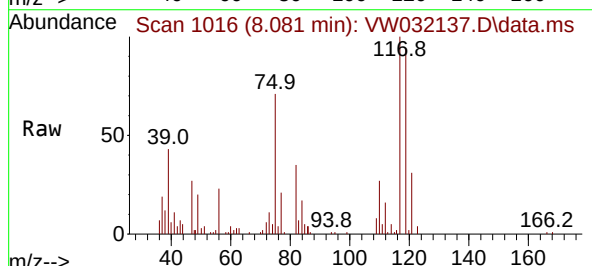
RT: 8.081 min Scan# 1016

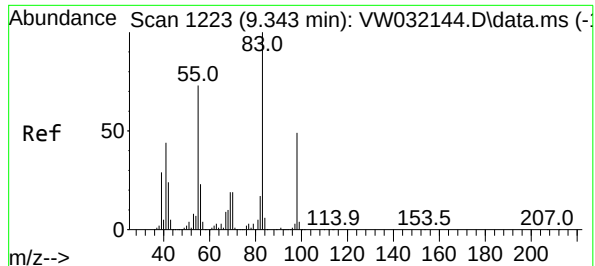
Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	117	Resp:	17291
Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.2	111.2
121	31.4	25.6	38.4





#39

Methylcyclohexane

Concen: 4.510 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

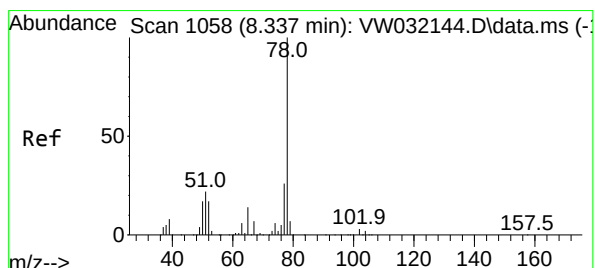
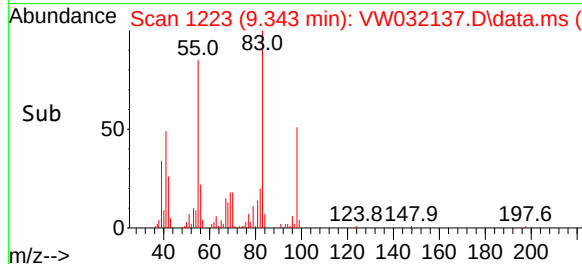
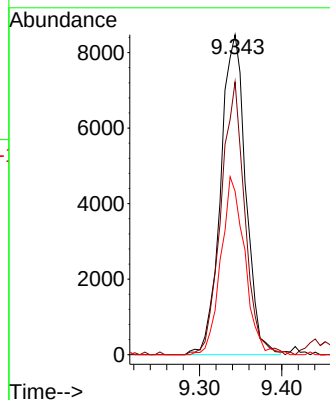
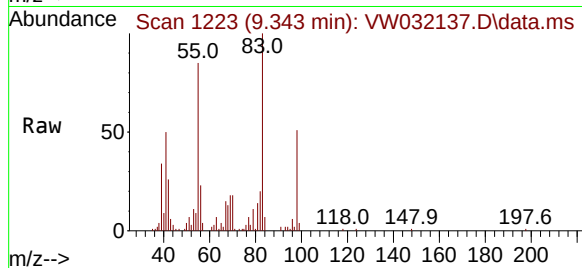
VSTDIC005

Tgt Ion:	83	Resp:	1800
Ion	Ratio	Lower	Upper
83	100		
55	85.3	58.4	87.6
98	51.1	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 4.912 ug/l

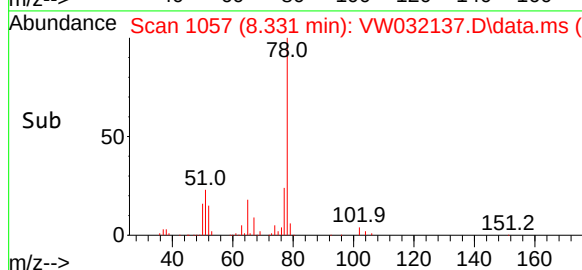
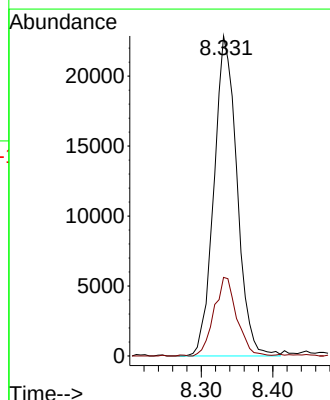
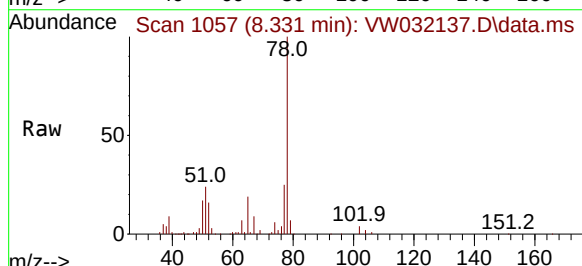
RT: 8.331 min Scan# 1057

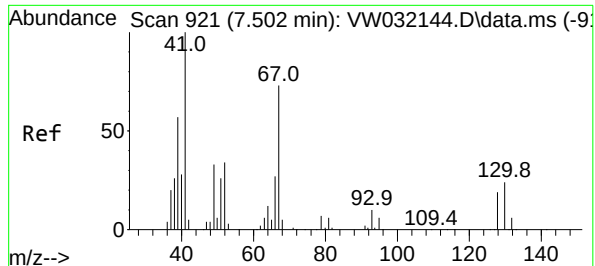
Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	78	Resp:	51163
Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.7	31.1





#41

Methacrylonitrile

Concen: 5.015 ug/l

RT: 7.496 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 563

Ion Ratio Lower Upper

41 100

39 48.2 50.9 76.3

67 68.1 65.6 98.4

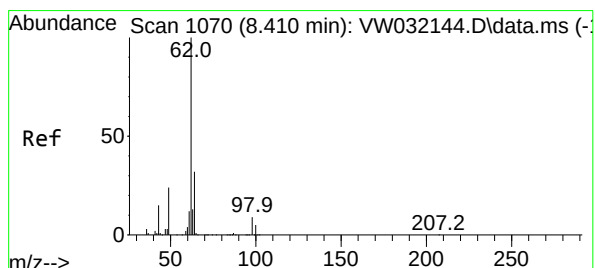
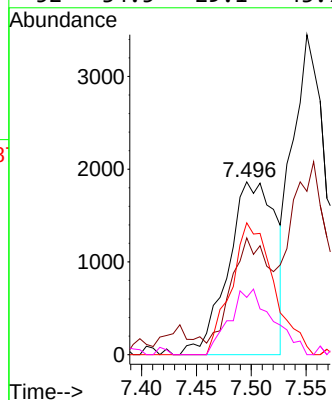
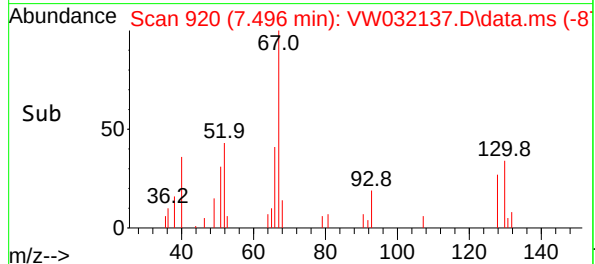
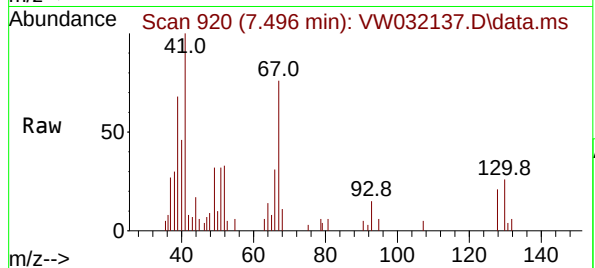
52 34.5 29.1 43.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#42

1,2-Dichloroethane

Concen: 5.052 ug/l

RT: 8.410 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VW032137.D

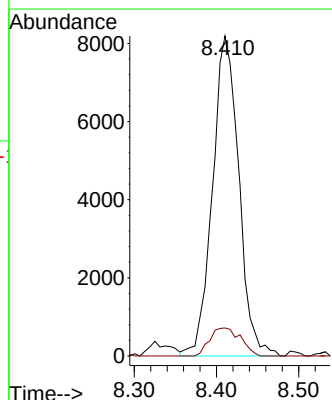
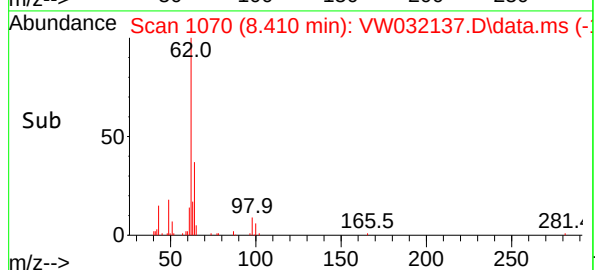
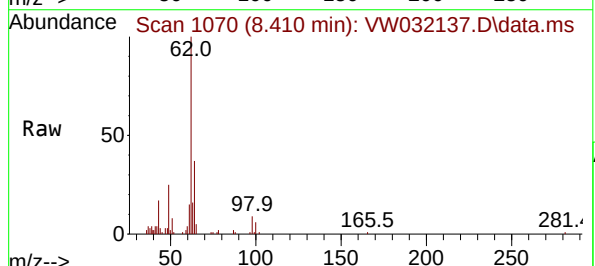
Acq: 26 Aug 2025 09:39

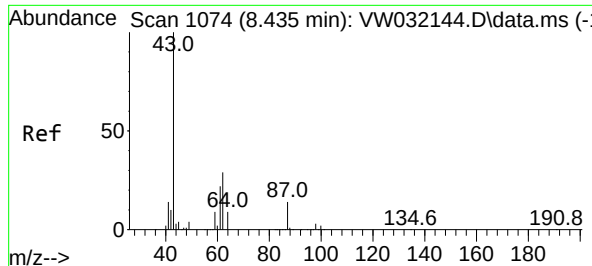
Tgt Ion: 62 Resp: 18244

Ion Ratio Lower Upper

62 100

98 10.2 0.0 18.0





#43

Isopropyl Acetate

Concen: 4.594 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032137.D

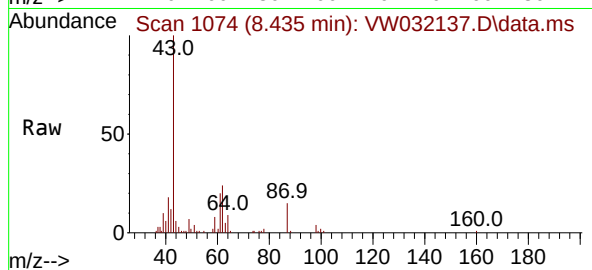
Acq: 26 Aug 2025 09:39

Instrument :

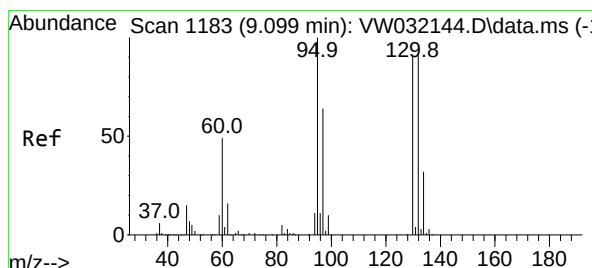
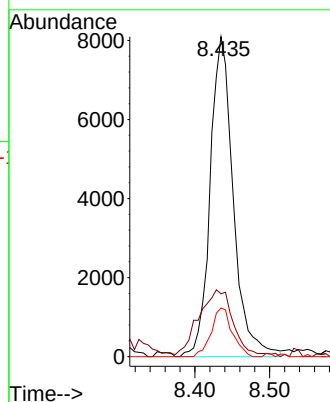
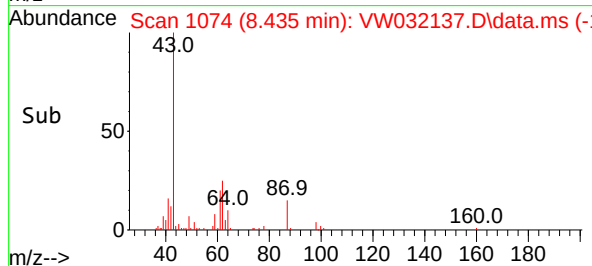
MSVOA_W

ClientSampleId :

VSTDIC005



Tgt Ion: 43	Resp: 1742
Ion Ratio	Lower Upper
43	100
61	31.4 23.3 34.9
87	13.8 11.1 16.7

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#44

Trichloroethene

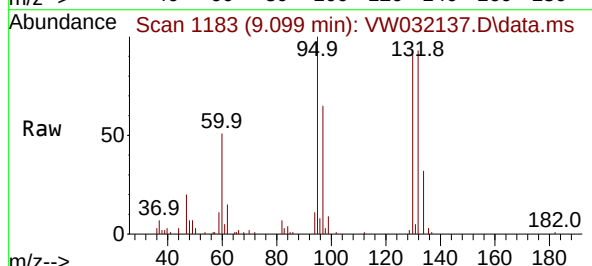
Concen: 4.954 ug/l

RT: 9.099 min Scan# 1183

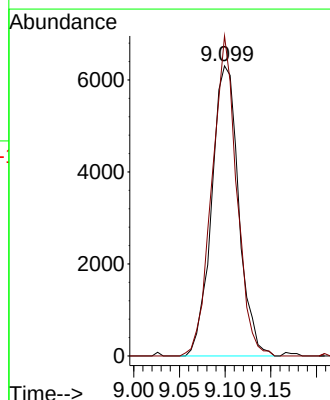
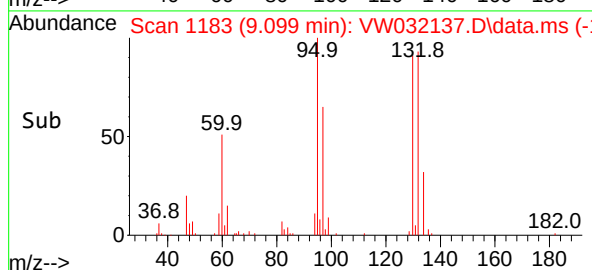
Delta R.T. -0.000 min

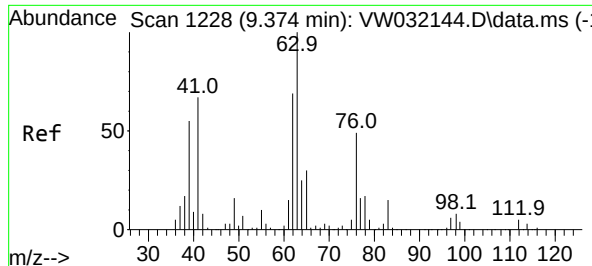
Lab File: VW032137.D

Acq: 26 Aug 2025 09:39



Tgt Ion:130	Resp: 12977
Ion Ratio	Lower Upper
130	100
95	110.3 0.0 220.0





#45

1,2-Dichloropropane

Concen: 4.983 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1251

Ion Ratio Lower Upper

63 100

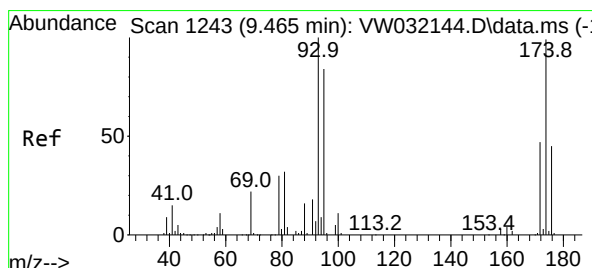
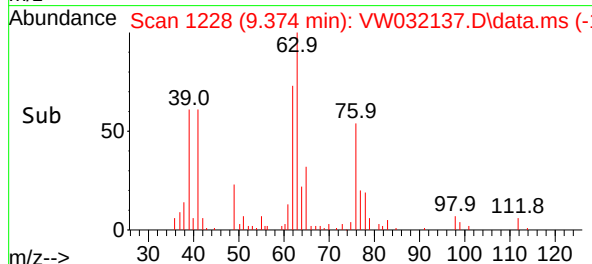
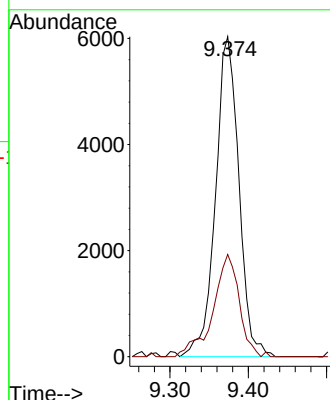
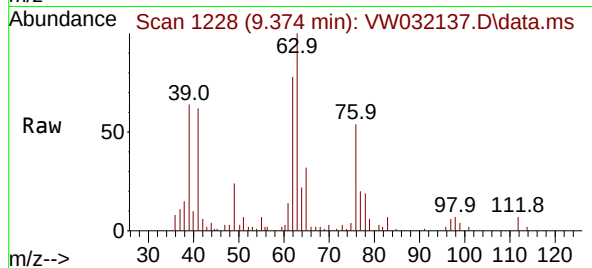
65 32.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 4.962 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

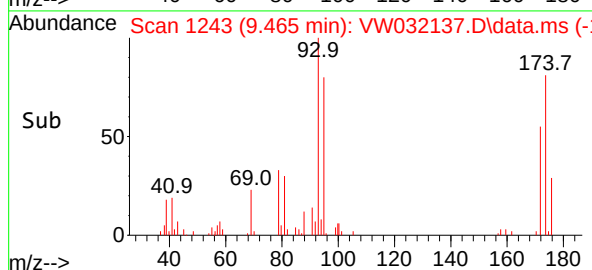
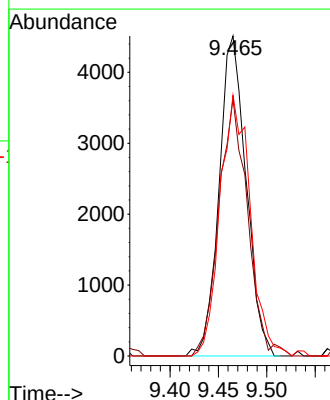
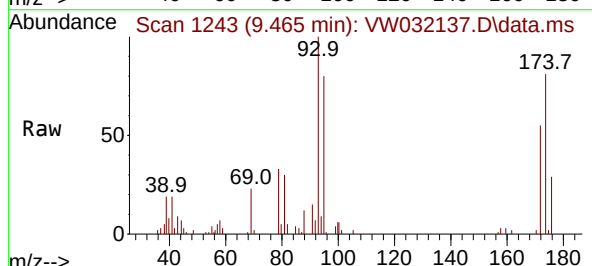
Tgt Ion: 93 Resp: 8740

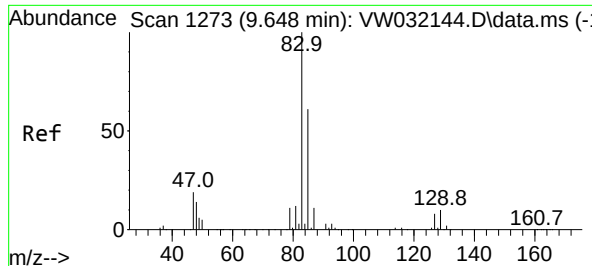
Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.2

174 90.9 75.7 113.5





#47

Bromodichloromethane

Concen: 4.811 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

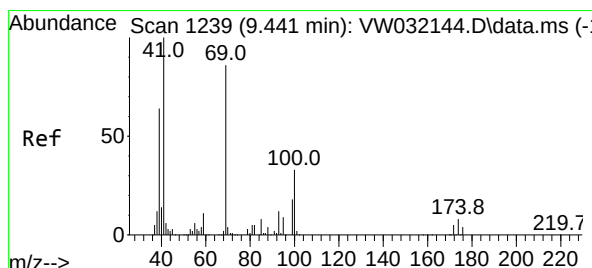
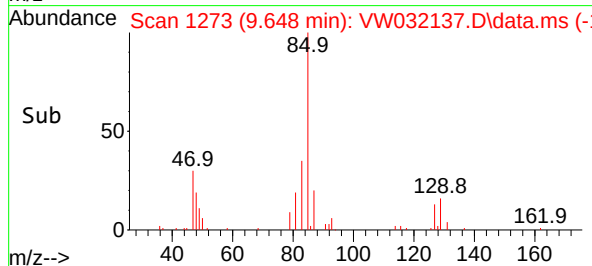
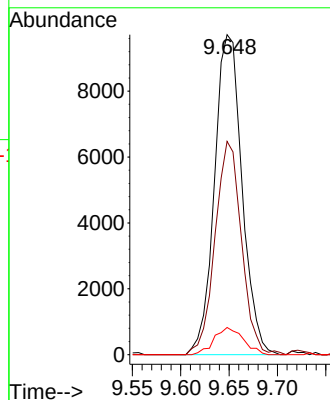
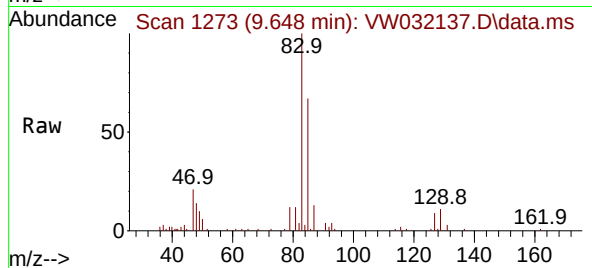
VSTDICC005

Tgt Ion:	83	Resp:	19254
Ion	Ratio	Lower	Upper
83	100		
85	66.6	48.7	73.1
127	8.5	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48

Methyl methacrylate

Concen: 4.036 ug/l

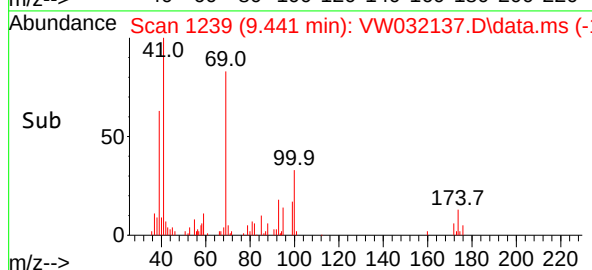
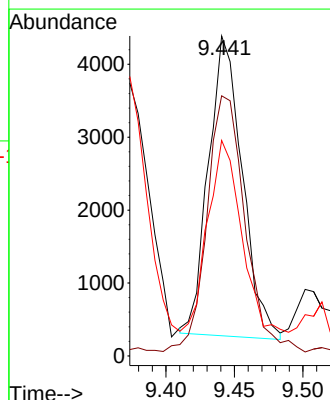
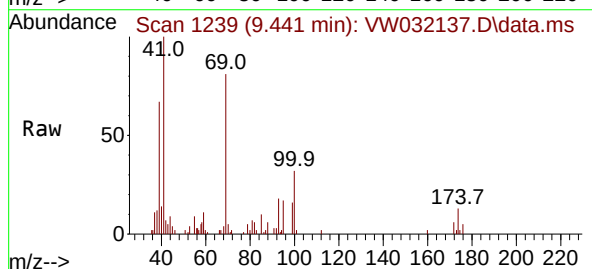
RT: 9.441 min Scan# 1239

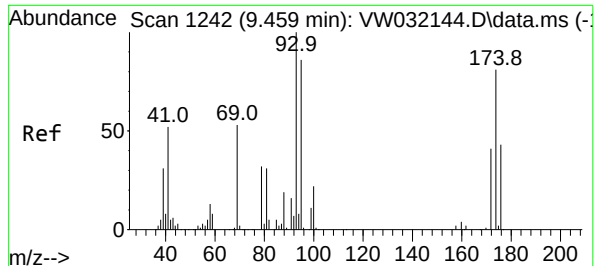
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	41	Resp:	7054
Ion	Ratio	Lower	Upper
41	100		
69	101.0	71.5	107.3
39	77.8	55.9	83.9





#49

1,4-Dioxane

Concen: 88.770 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

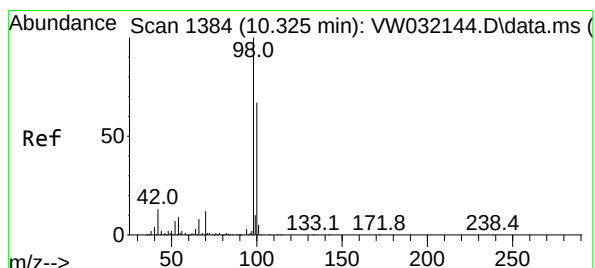
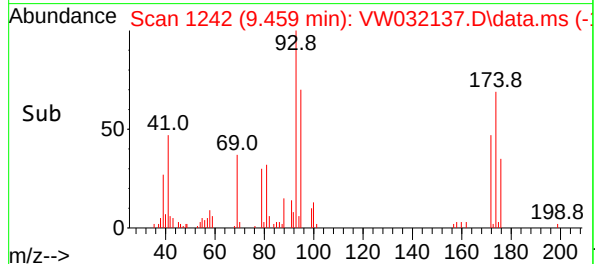
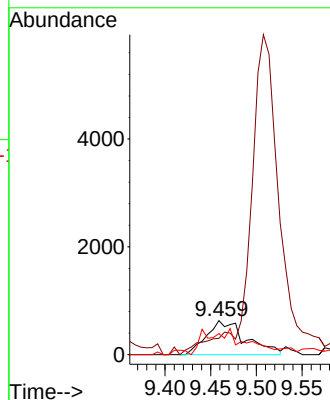
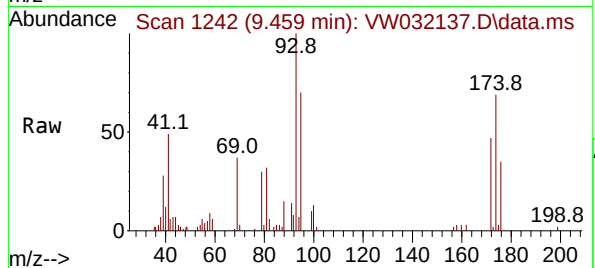
VSTDICC005

Tgt Ion:	88	Resp:	1889
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0
58	14.2	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 4.764 ug/l

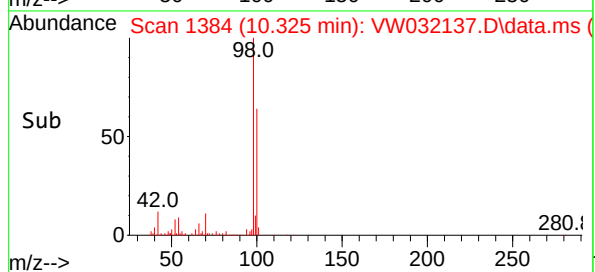
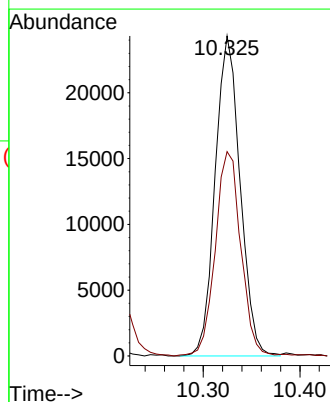
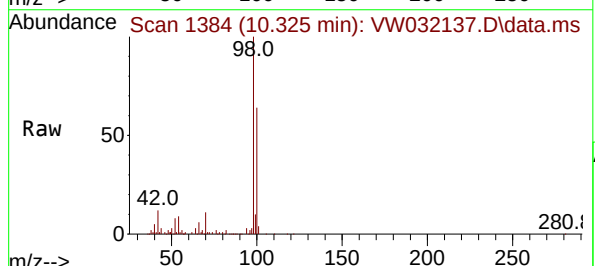
RT: 10.325 min Scan# 1384

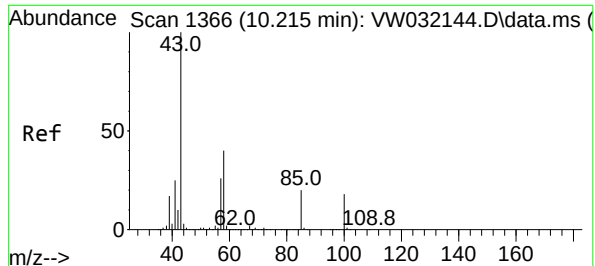
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	98	Resp:	43464
Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.4	77.2





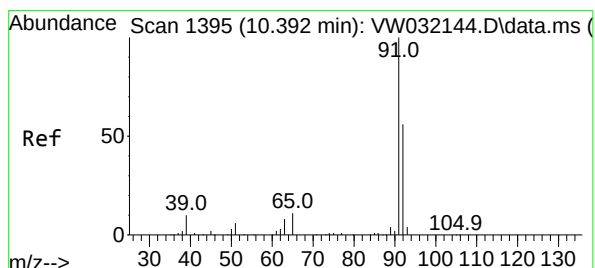
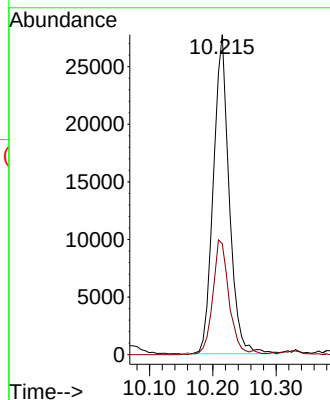
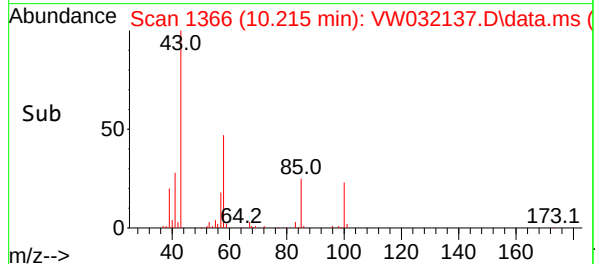
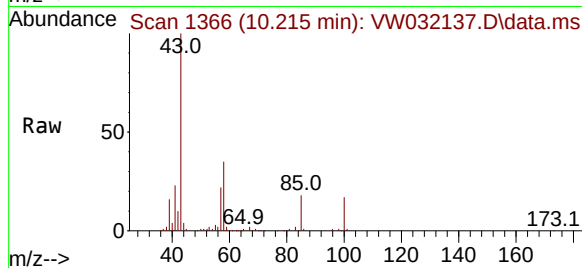
#51
4-Methyl-2-Pentanone
Concen: 22.475 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 48128
Ion Ratio Lower Upper
43 100
58 37.3 32.0 48.0

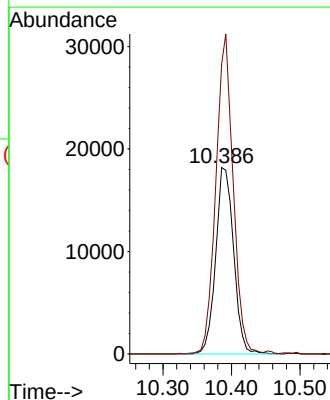
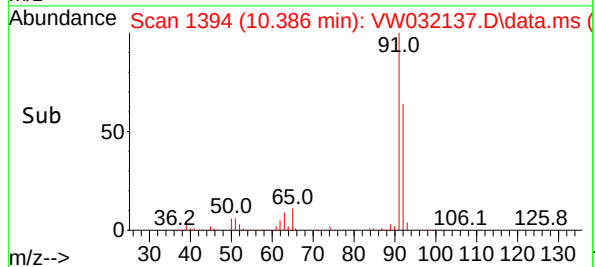
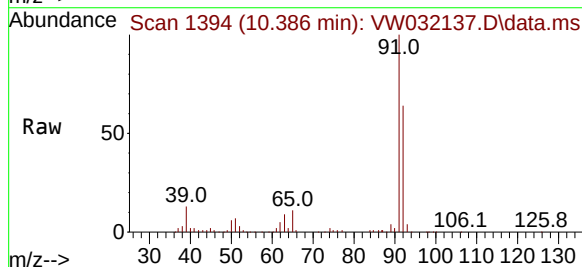
Manual Integrations
APPROVED

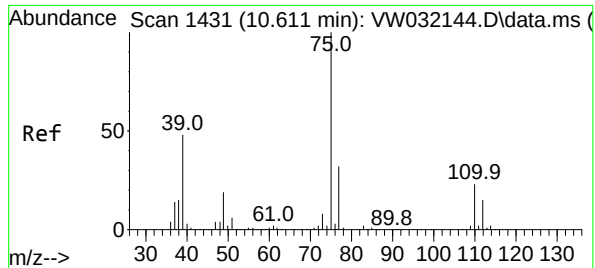
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 4.841 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 92 Resp: 32955
Ion Ratio Lower Upper
92 100
91 165.2 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 4.229 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 14930

Ion Ratio Lower Upper

75 100

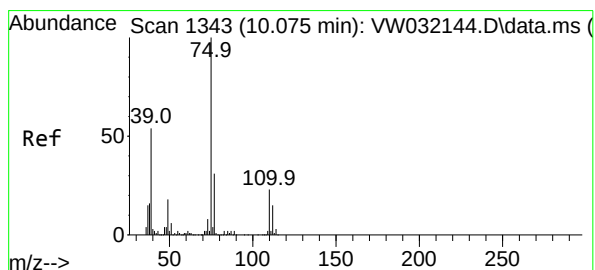
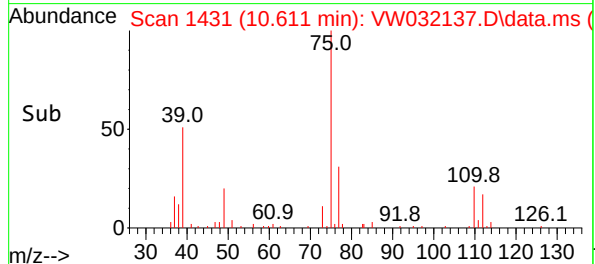
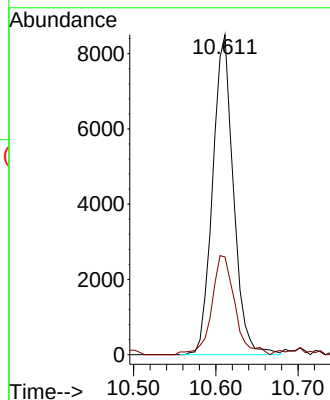
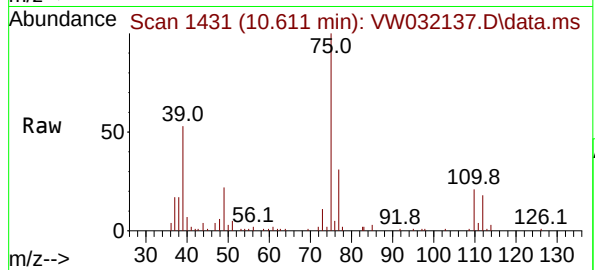
77 29.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#54

cis-1,3-Dichloropropene

Concen: 4.541 ug/l

RT: 10.081 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

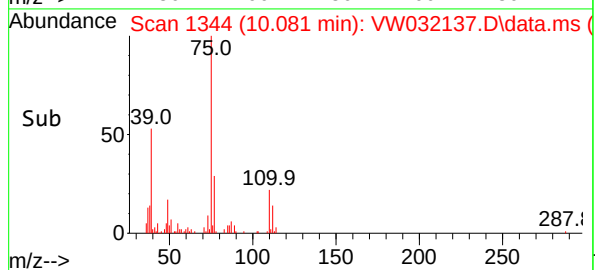
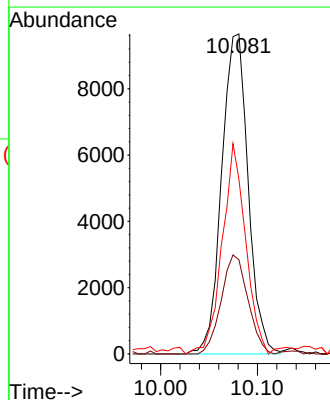
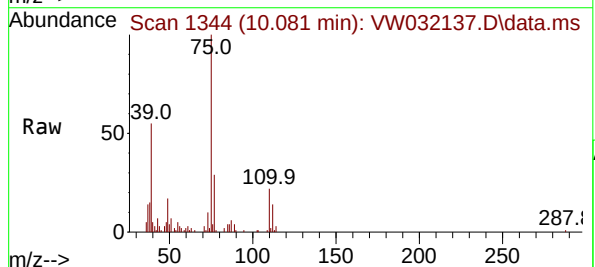
Tgt Ion: 75 Resp: 18295

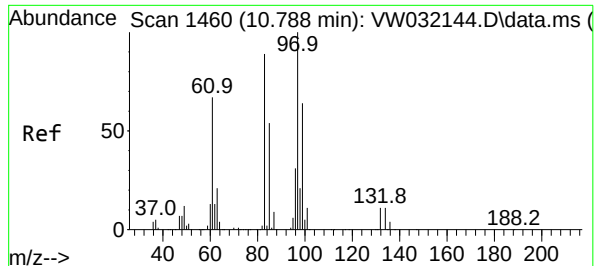
Ion Ratio Lower Upper

75 100

77 29.4 25.1 37.7

39 52.9 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 4.949 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

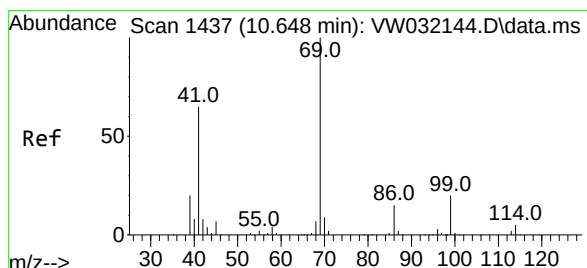
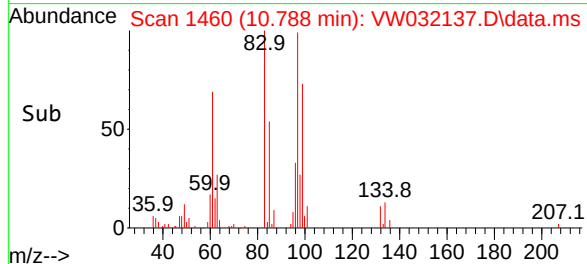
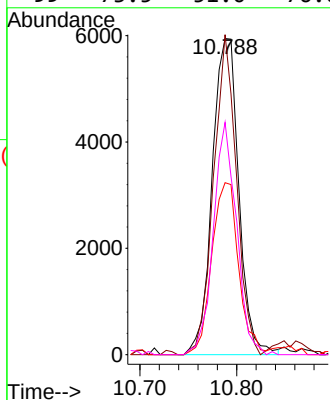
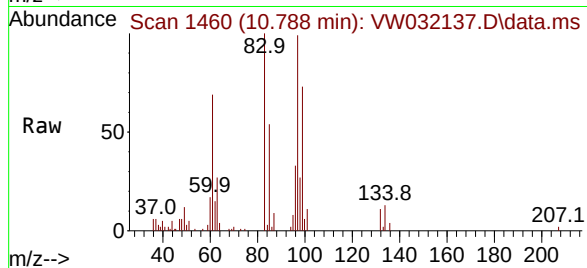
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion	97	Resp	11334
Ion	Ratio	Lower	Upper
97	100		
83	101.2	71.0	106.6
85	54.4	42.8	64.2
99	73.5	51.0	76.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#56

Ethyl methacrylate

Concen: 4.058 ug/l

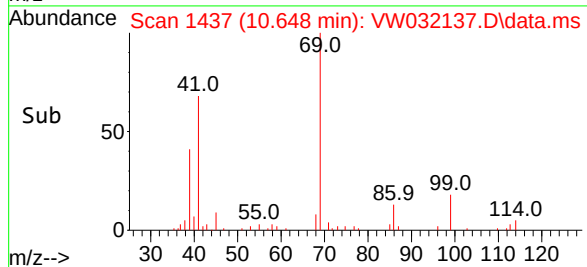
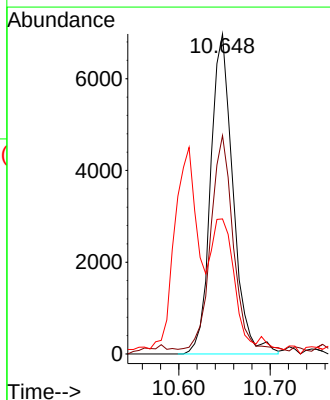
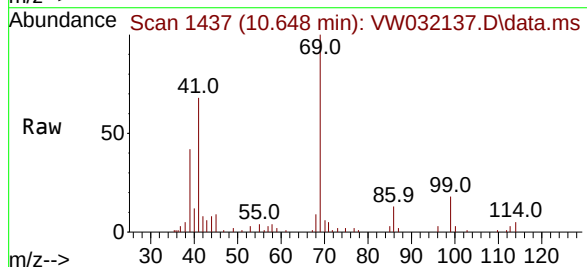
RT: 10.648 min Scan# 1437

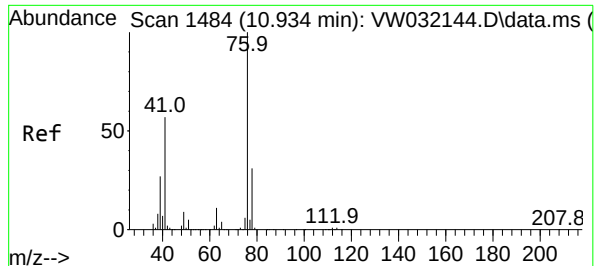
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion	69	Resp	11883
Ion	Ratio	Lower	Upper
69	100		
41	68.8	53.2	79.8
39	38.3	32.9	49.3





#57

1,3-Dichloropropane

Concen: 4.897 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 1878

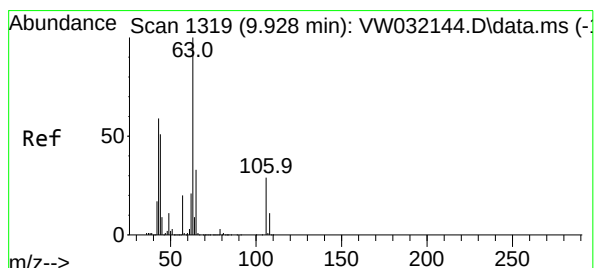
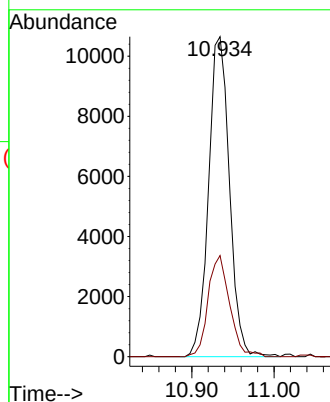
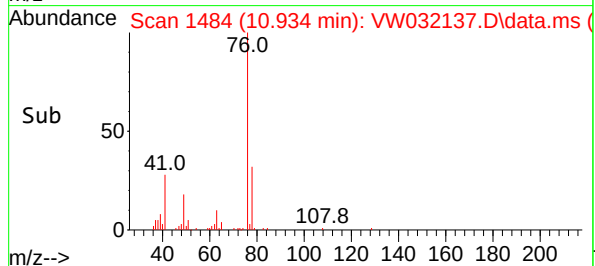
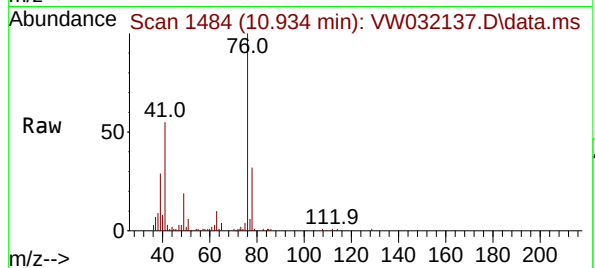
Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#58

2-Chloroethyl Vinyl ether

Concen: 20.226 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032137.D

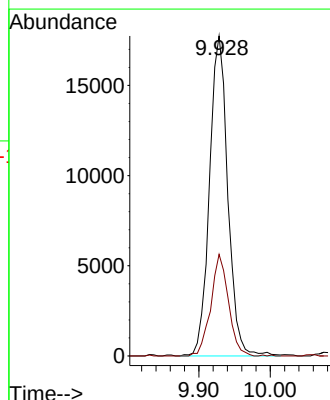
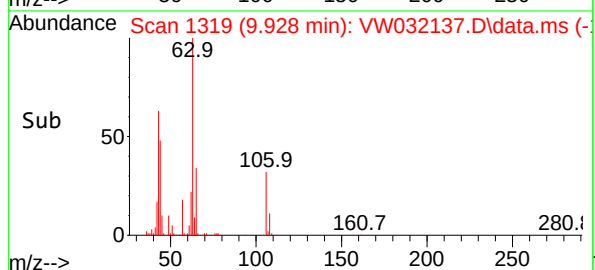
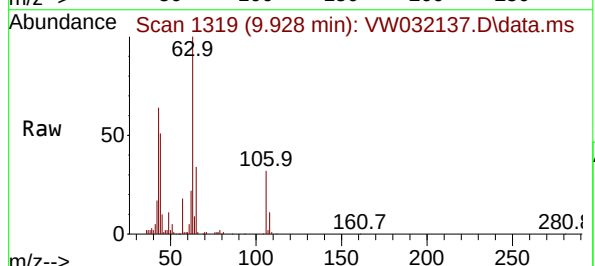
Acq: 26 Aug 2025 09:39

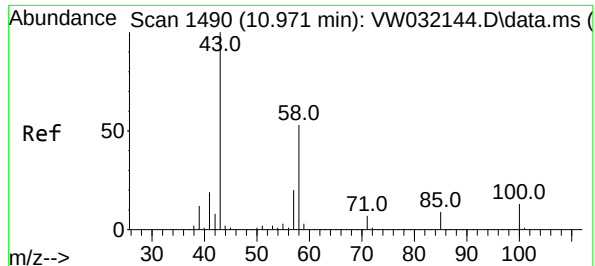
Tgt Ion: 63 Resp: 31610

Ion Ratio Lower Upper

63 100

106 30.5 24.3 36.5





#59

2-Hexanone

Concen: 21.520 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 32049

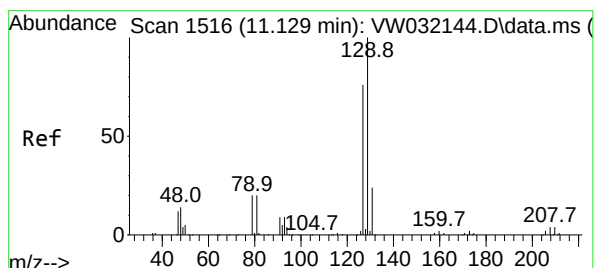
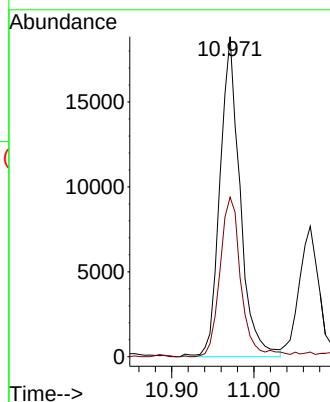
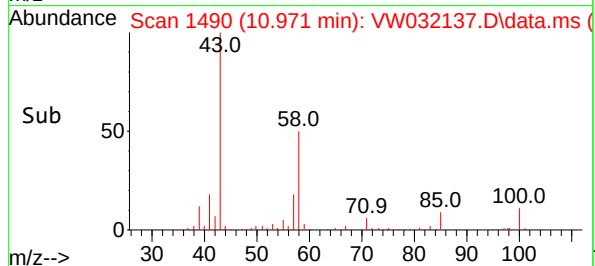
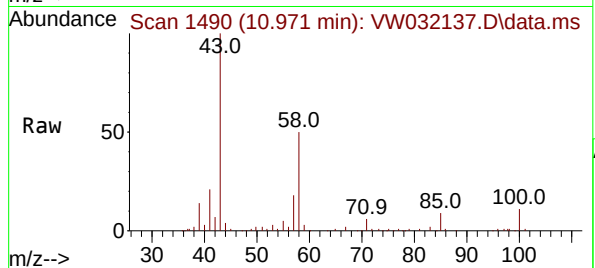
Ion Ratio Lower Upper

43 100

58 50.6 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#60

Dibromochloromethane

Concen: 4.696 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032137.D

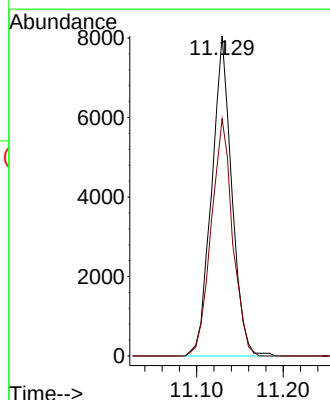
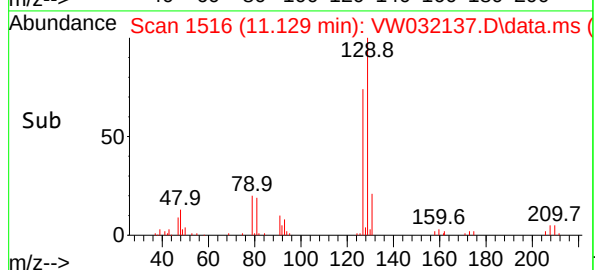
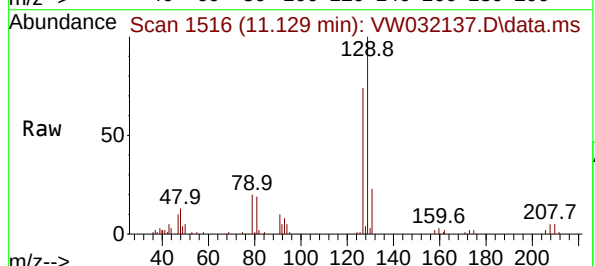
Acq: 26 Aug 2025 09:39

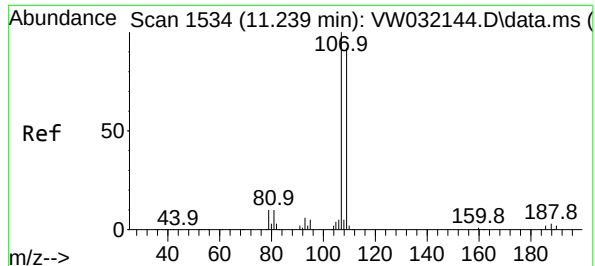
Tgt Ion:129 Resp: 13014

Ion Ratio Lower Upper

129 100

127 78.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 4.662 ug/l

RT: 11.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:107 Resp: 10499

Ion Ratio Lower Upper

107 100

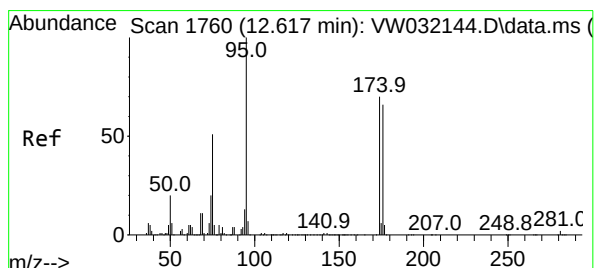
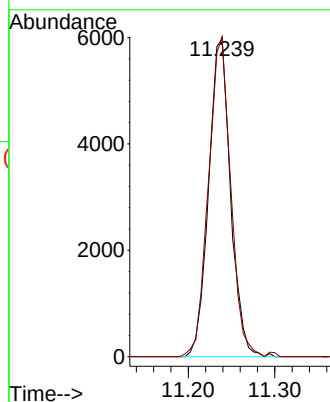
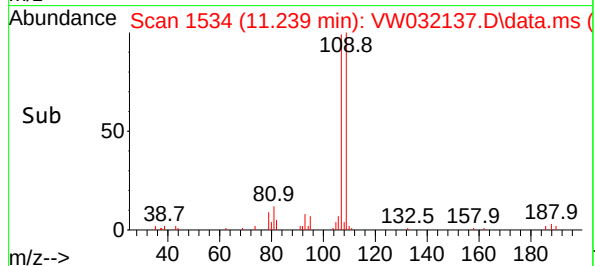
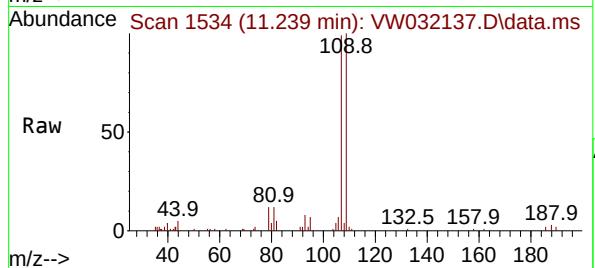
109 101.7 74.5 111.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#62

4-Bromofluorobenzene

Concen: 4.914 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

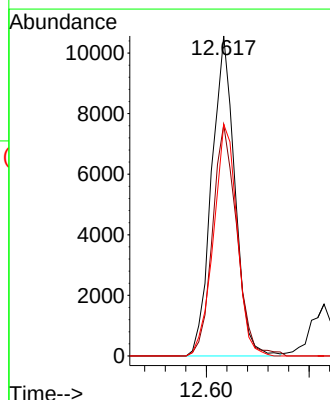
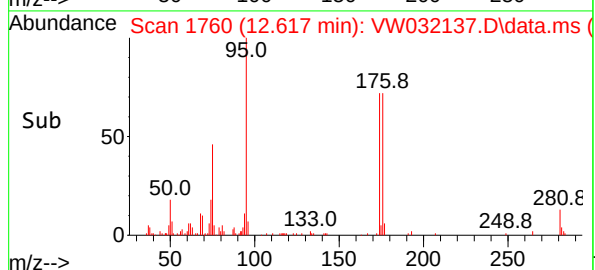
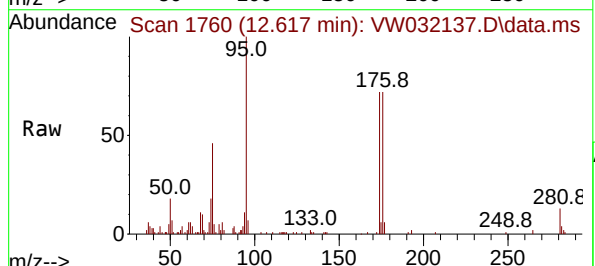
Tgt Ion: 95 Resp: 16578

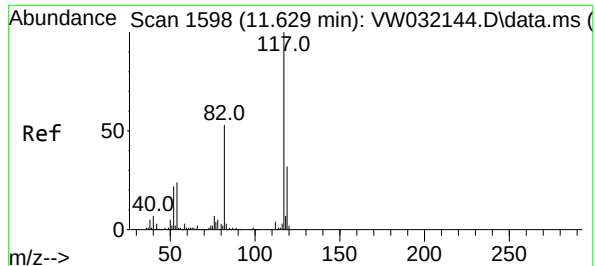
Ion Ratio Lower Upper

95 100

174 75.2 0.0 145.6

176 73.3 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 34677

Ion Ratio Lower Upper

117 100

82 54.3 42.7 64.1

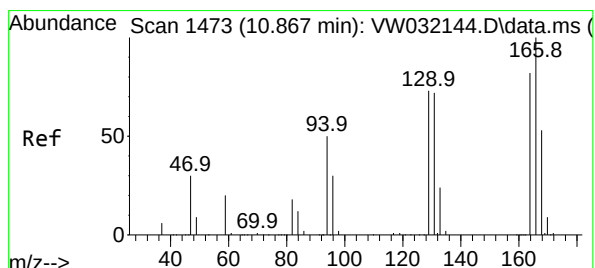
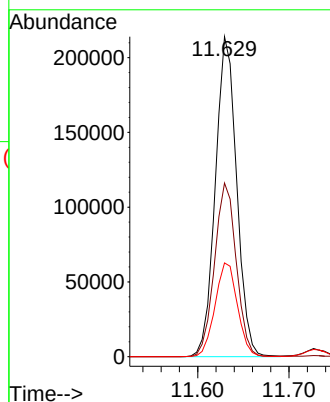
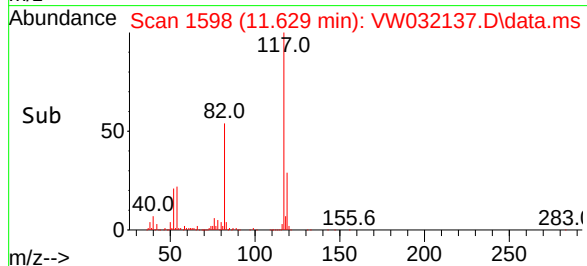
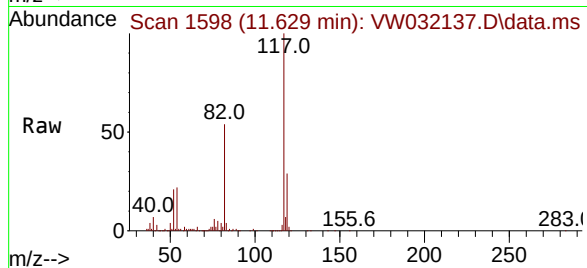
119 29.3 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#64

Tetrachloroethene

Concen: 4.832 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:164 Resp: 11029

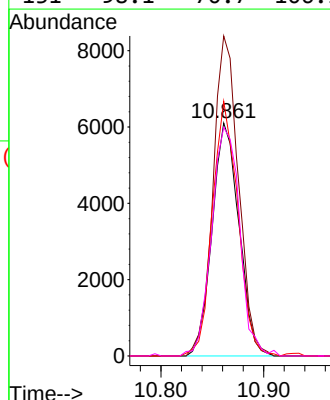
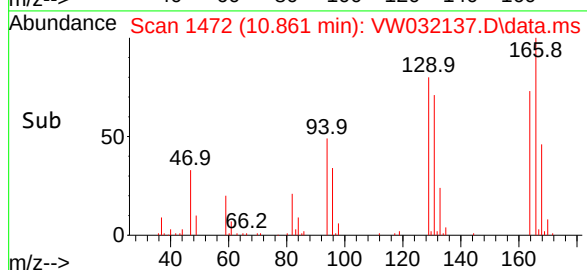
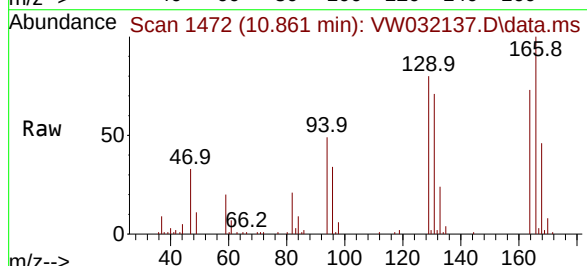
Ion Ratio Lower Upper

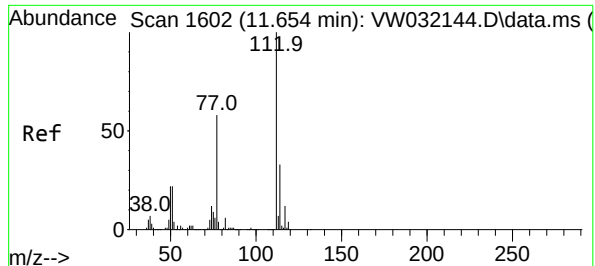
164 100

166 137.3 97.5 146.3

129 109.3 71.2 106.8#

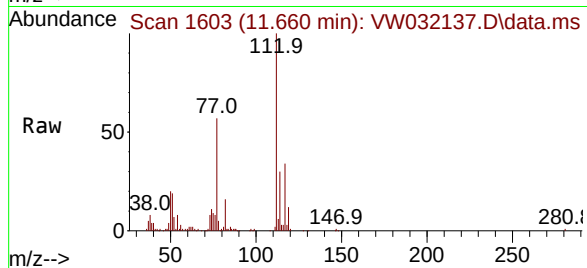
131 98.1 70.7 106.1





#65
Chlorobenzene
Concen: 4.994 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

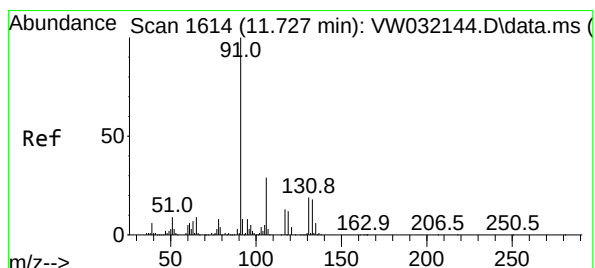
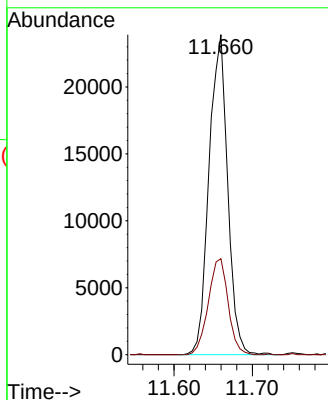
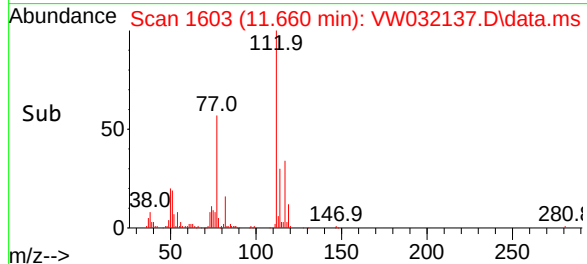
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



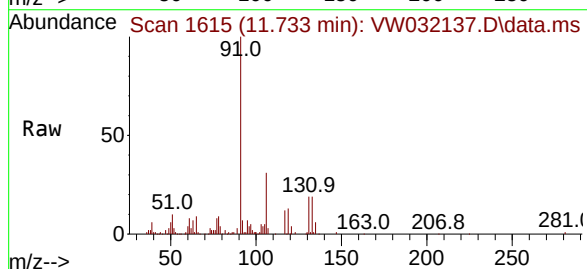
Tgt Ion:112 Resp: 3941
Ion Ratio Lower Upper
112 100
114 30.0 26.0 39.0

Manual Integrations
APPROVED

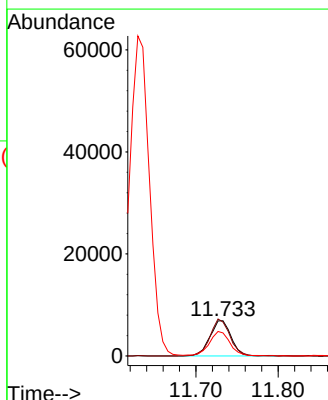
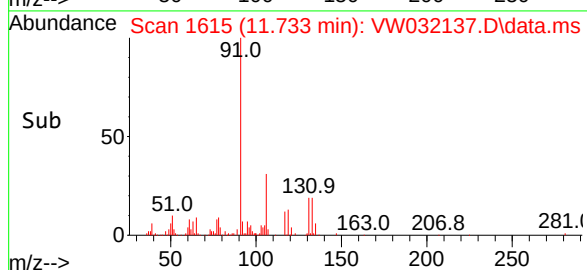
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

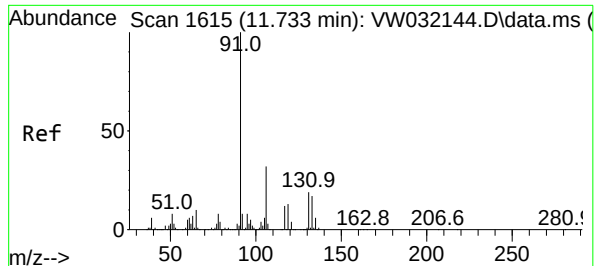


#66
1,1,1,2-Tetrachloroethane
Concen: 4.726 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39



Tgt Ion:131 Resp: 12280
Ion Ratio Lower Upper
131 100
133 99.4 47.7 143.1
119 68.9 32.8 98.3





#67

Ethyl Benzene

Concen: 4.493 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 5810

Ion Ratio Lower Upper

91 100

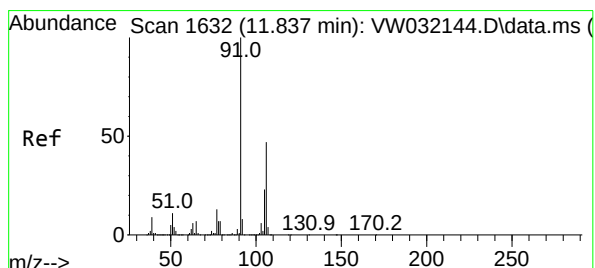
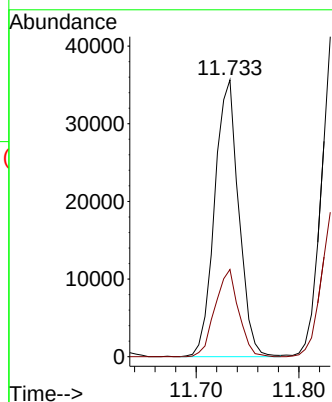
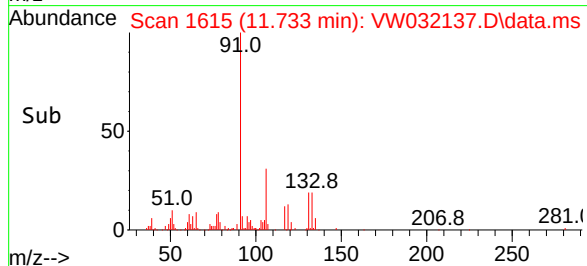
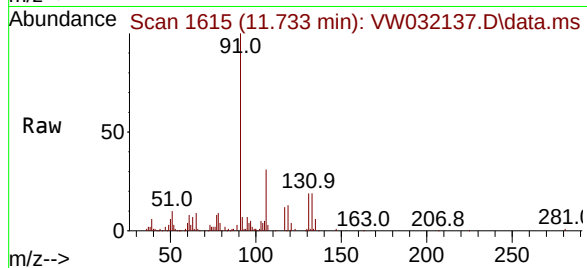
106 31.5 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 8.737 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW032137.D

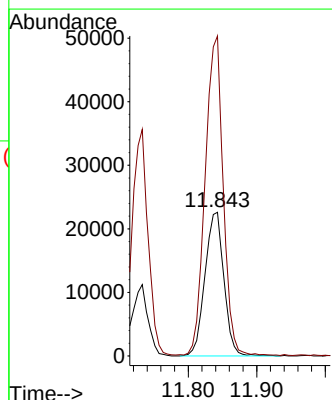
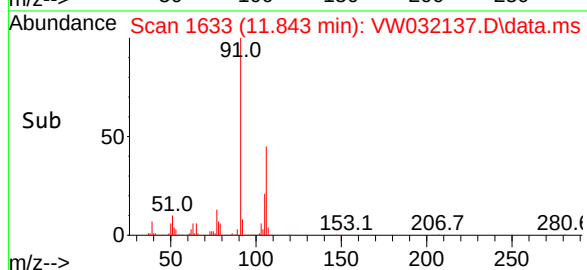
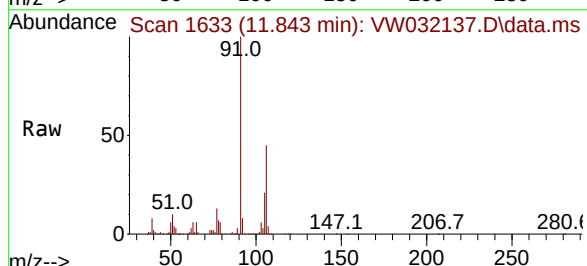
Acq: 26 Aug 2025 09:39

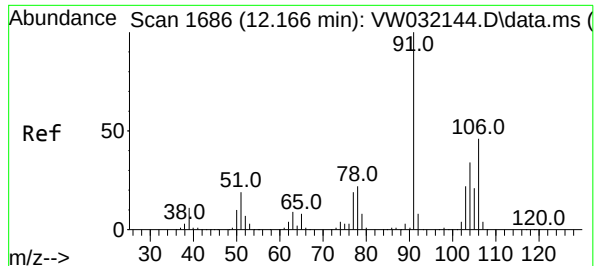
Tgt Ion:106 Resp: 43484

Ion Ratio Lower Upper

106 100

91 211.8 164.2 246.2





#69

o-Xylene

Concen: 4.276 ug/l

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 2013

Ion Ratio Lower Upper

106 100

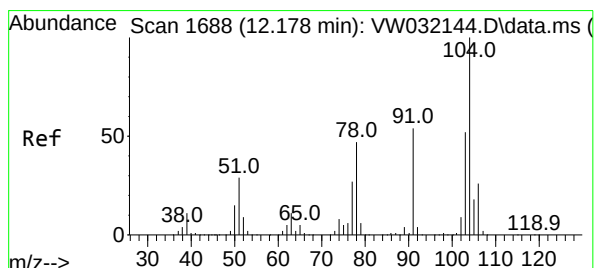
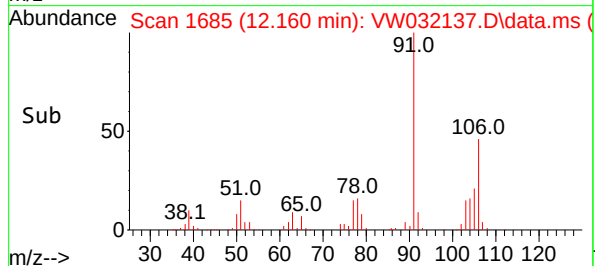
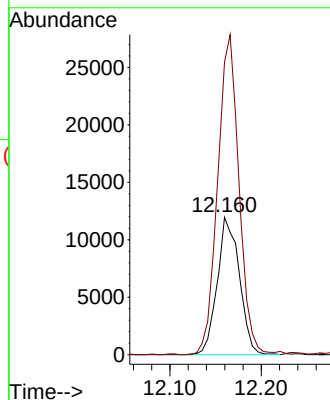
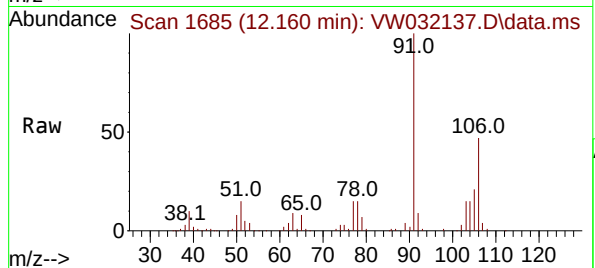
91 226.0 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 4.204 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

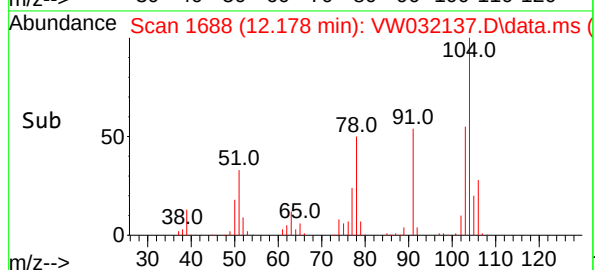
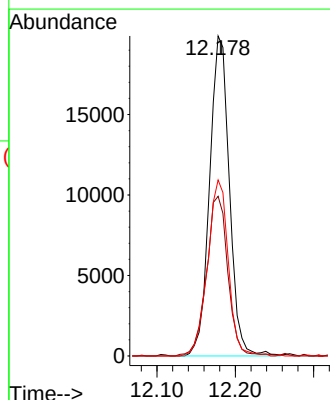
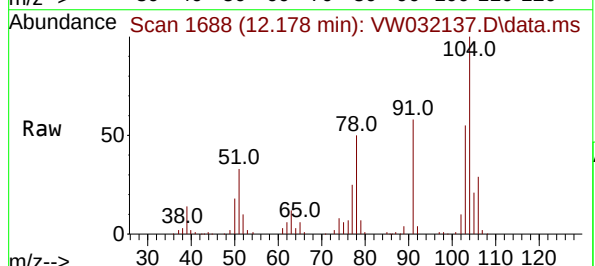
Tgt Ion:104 Resp: 34891

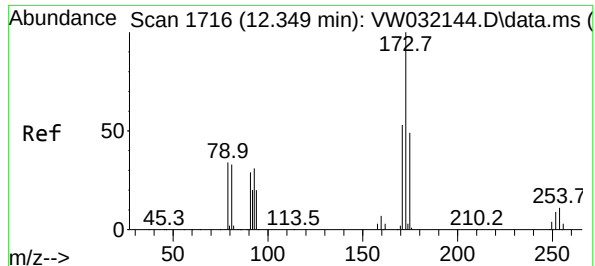
Ion Ratio Lower Upper

104 100

78 54.1 41.6 62.4

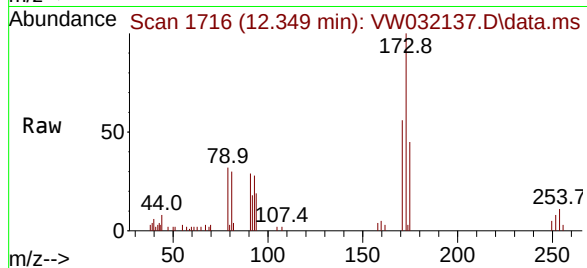
103 57.3 44.8 67.2





#71
Bromoform
Concen: 4.556 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

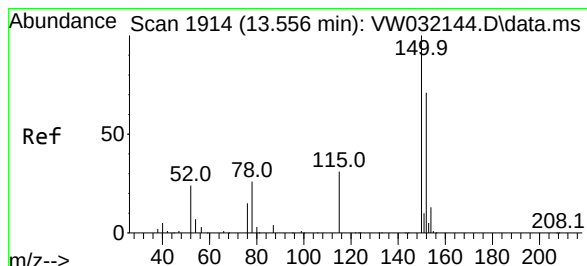
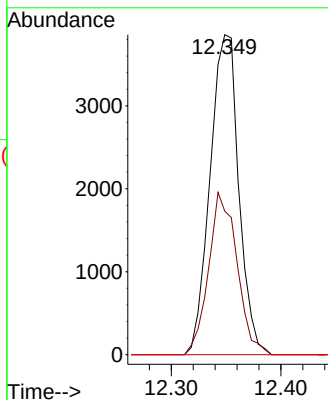
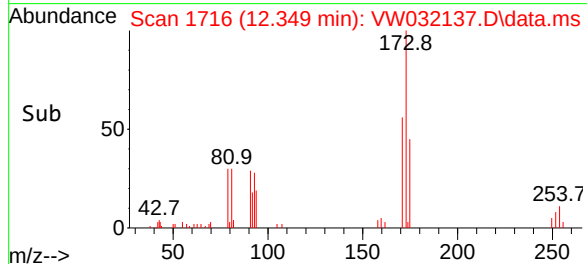
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



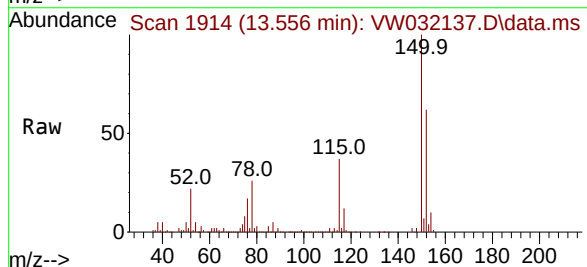
Tgt Ion:173 Resp: 703
Ion Ratio Lower Upper
173 100
175 50.1 24.9 74.7
254 0.0 0.2 0.2

Manual Integrations
APPROVED

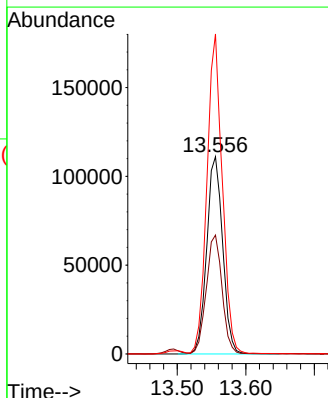
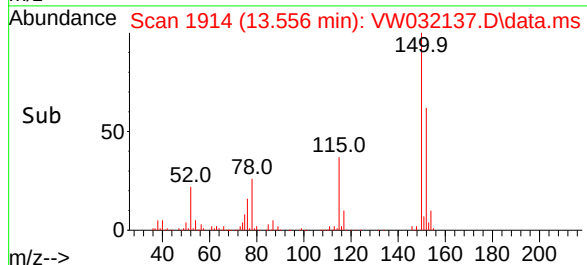
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

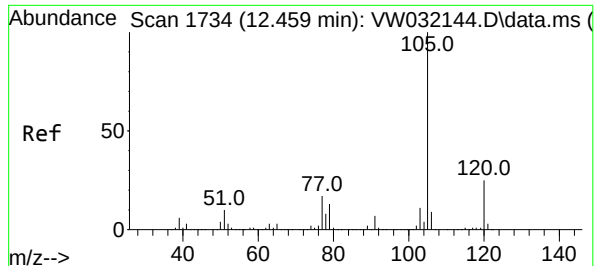


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39



Tgt Ion:152 Resp: 180065
Ion Ratio Lower Upper
152 100
115 59.8 31.8 95.4
150 155.8 0.0 343.0





#73

Isopropylbenzene

Concen: 4.170 ug/l

RT: 12.464 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 5101

Ion Ratio Lower Upper

105 100

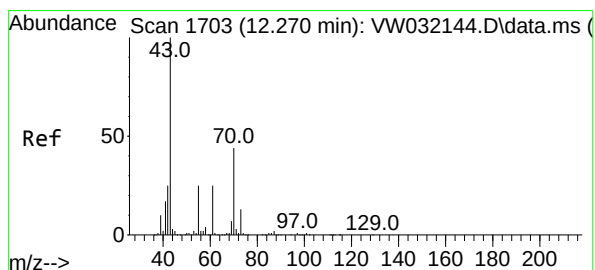
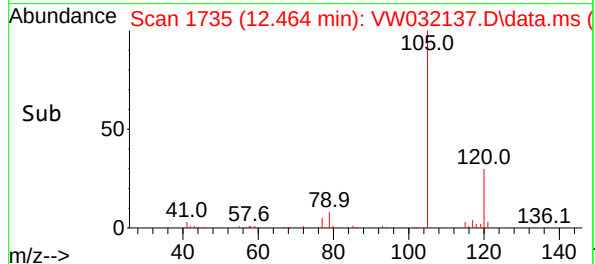
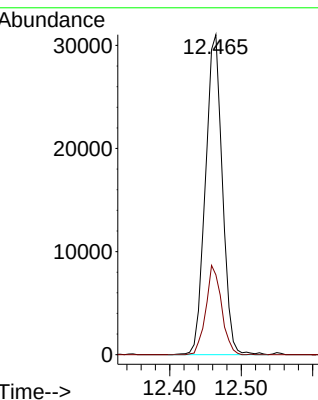
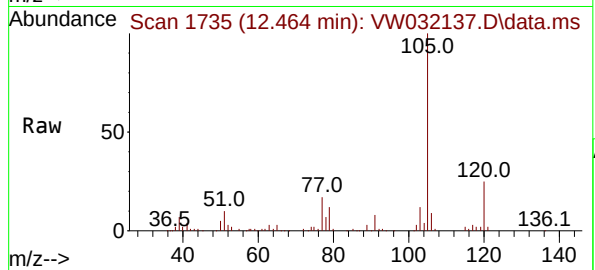
120 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#74

N-ethyl acetate

Concen: 4.241 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion: 43 Resp: 15062

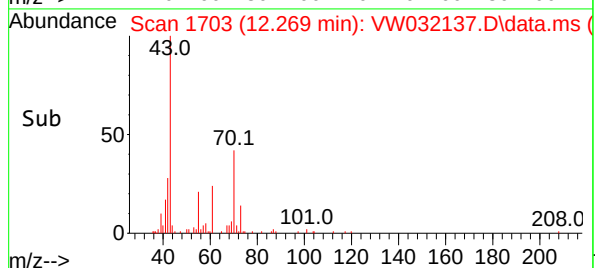
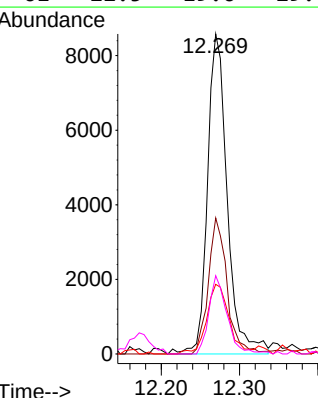
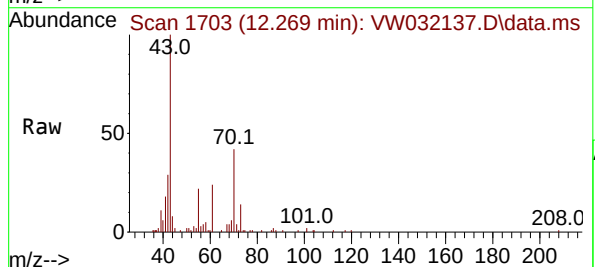
Ion Ratio Lower Upper

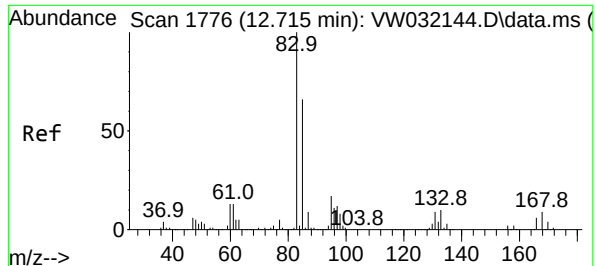
43 100

70 40.4 35.3 52.9

55 24.7 19.9 29.9

61 22.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.818 ug/l

RT: 12.708 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

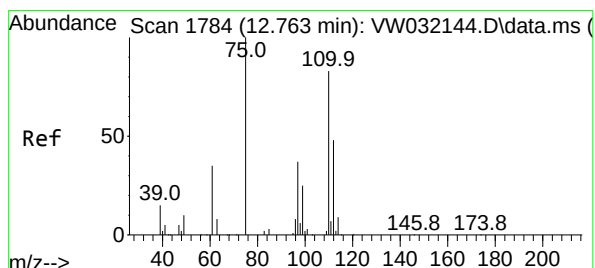
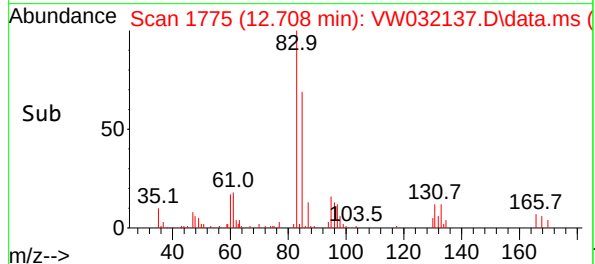
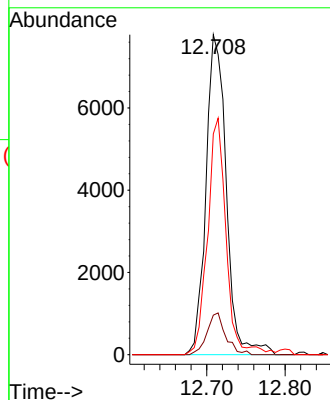
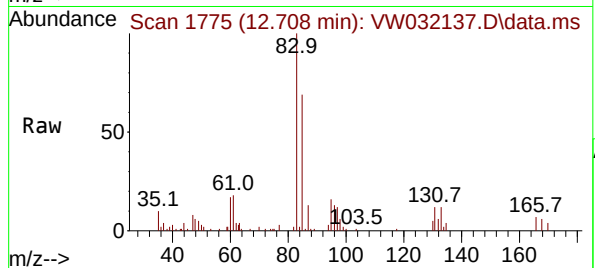
VSTDIC005

Tgt Ion:	83	Resp:	1400
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.1	15.4
85	65.5	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#76

1,2,3-Trichloropropane

Concen: 4.835 ug/l m

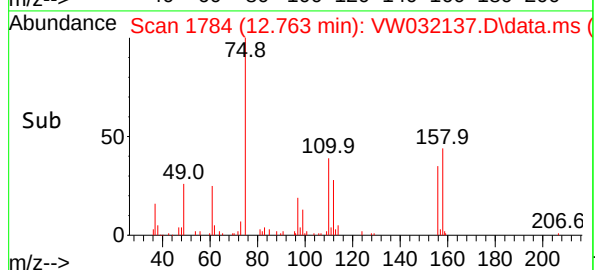
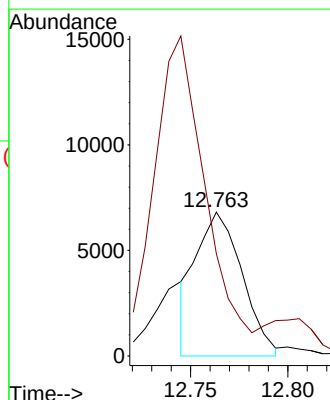
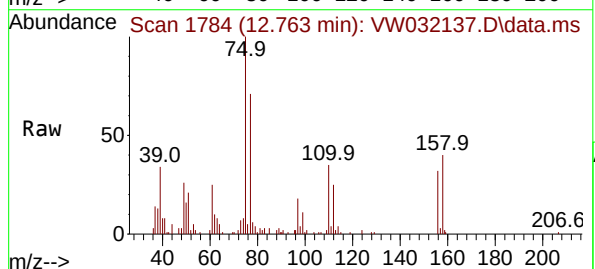
RT: 12.763 min Scan# 1784

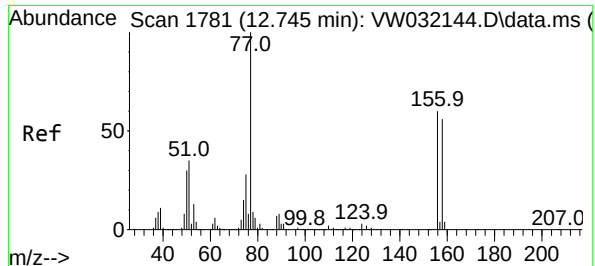
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	75	Resp:	11273
Ion	Ratio	Lower	Upper
75	100		
77	250.1	141.7	425.1





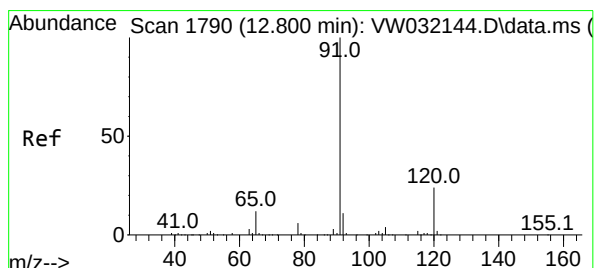
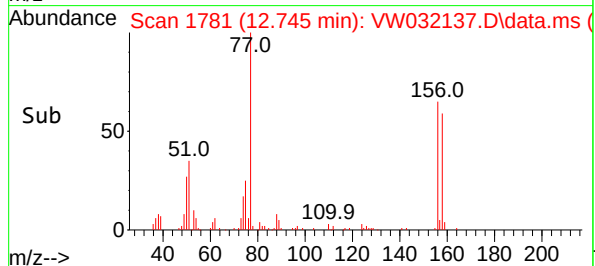
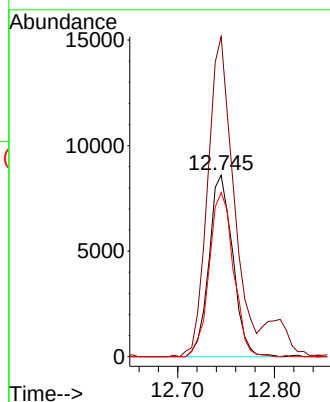
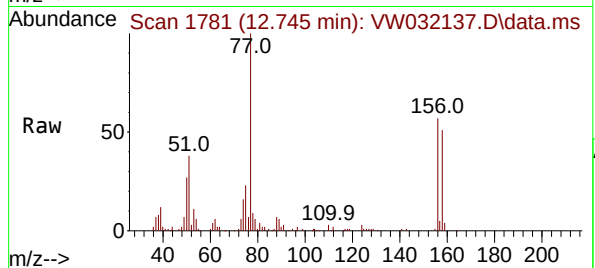
#77
Bromobenzene
Concen: 4.702 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 14669
Ion Ratio Lower Upper
156 100
77 192.2 98.6 295.7
158 92.7 48.4 145.0

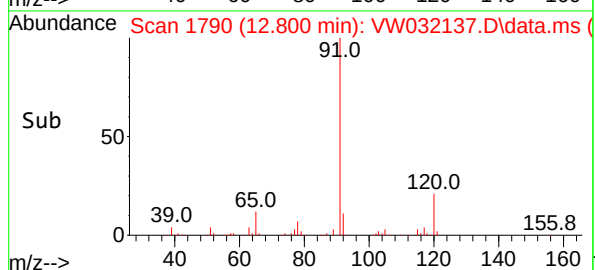
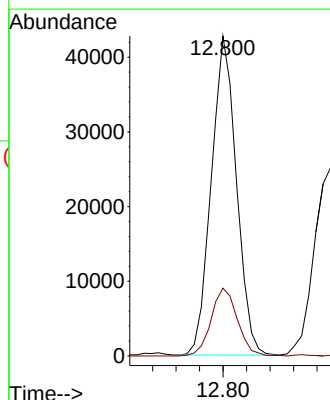
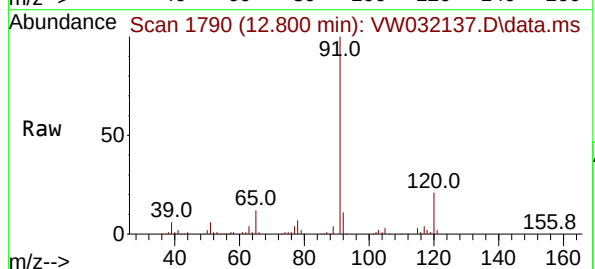
Manual Integrations
APPROVED

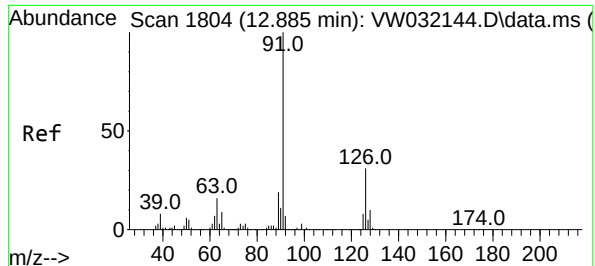
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#78
n-propylbenzene
Concen: 4.274 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 91 Resp: 63470
Ion Ratio Lower Upper
91 100
120 22.2 11.8 35.4





#79

2-Chlorotoluene

Concen: 4.461 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 4051

Ion Ratio Lower Upper

91 100

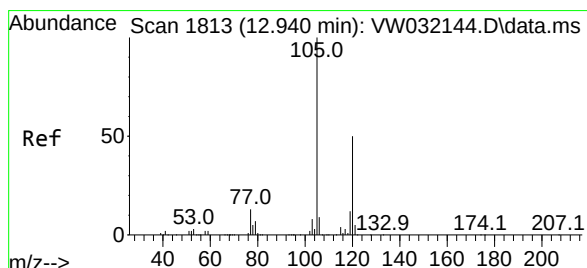
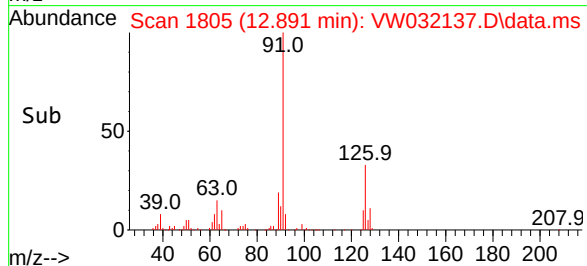
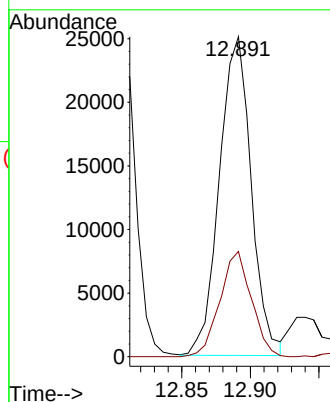
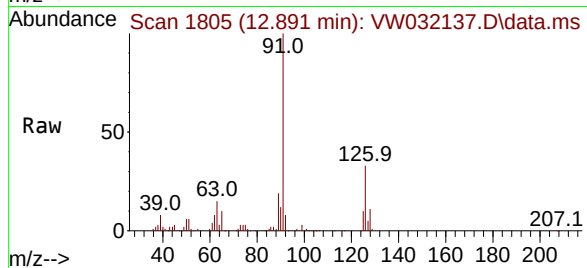
126 32.6 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.191 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032137.D

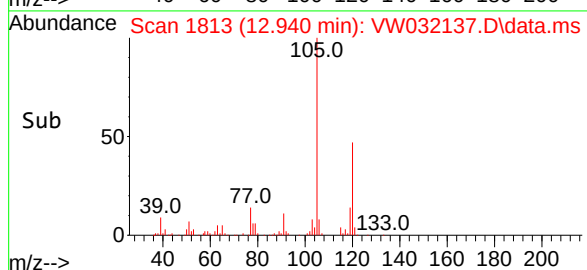
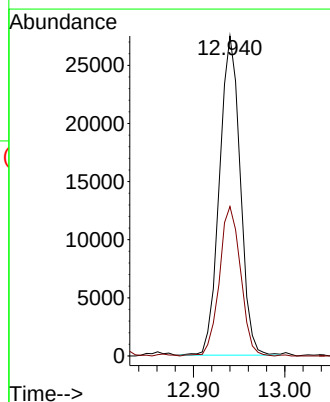
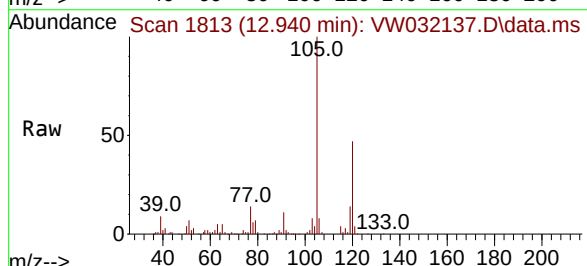
Acq: 26 Aug 2025 09:39

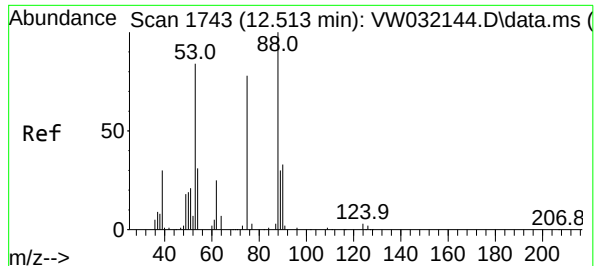
Tgt Ion:105 Resp: 43406

Ion Ratio Lower Upper

105 100

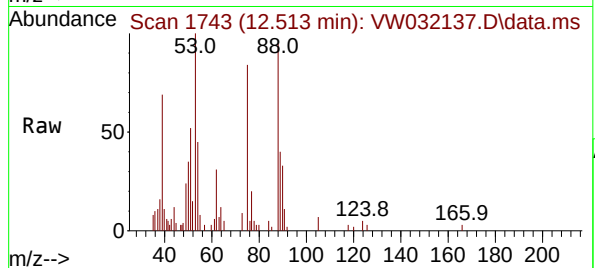
120 47.9 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 3.859 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

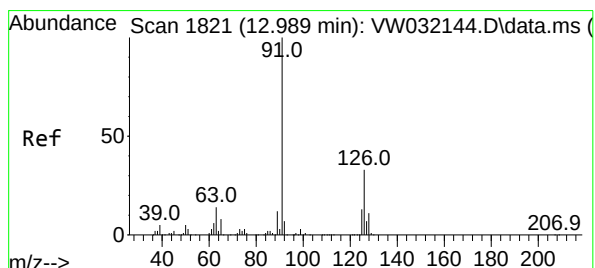
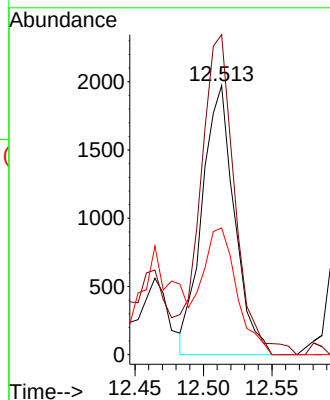
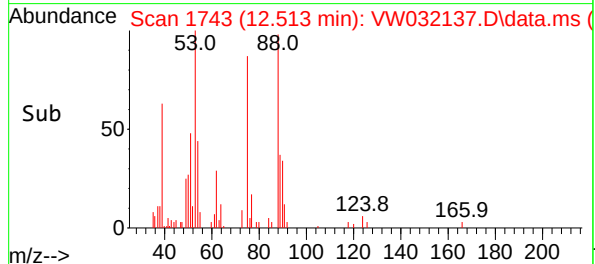
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 323
Ion Ratio Lower Upper
75 100
53 127.1 91.0 136.6
89 50.7 39.4 59.2

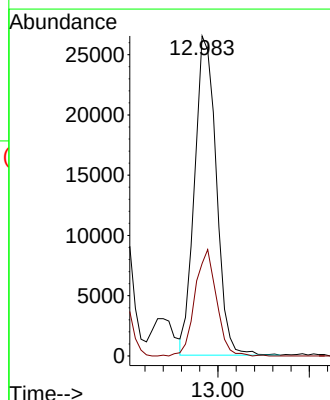
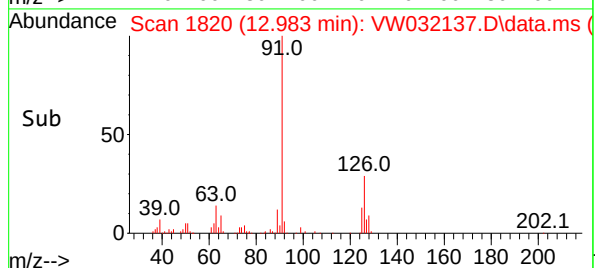
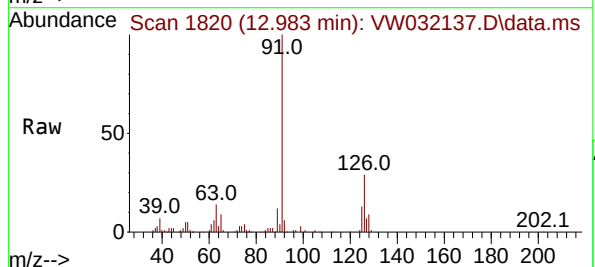
Manual Integrations
APPROVED

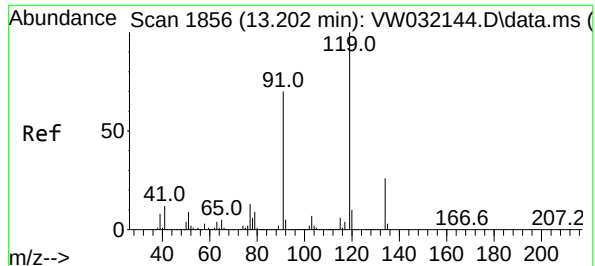
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 4.495 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

Tgt Ion: 91 Resp: 43697
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.2





#83

tert-Butylbenzene

Concen: 4.200 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032137.D

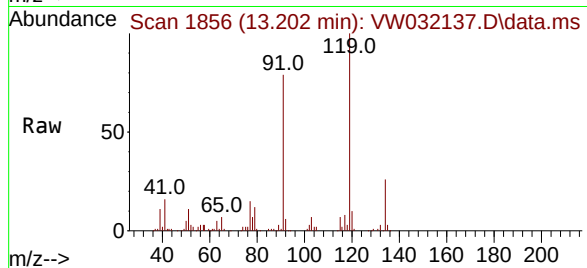
Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

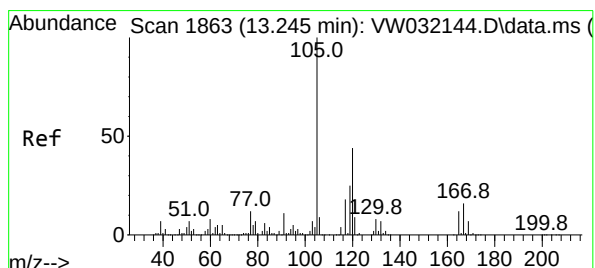
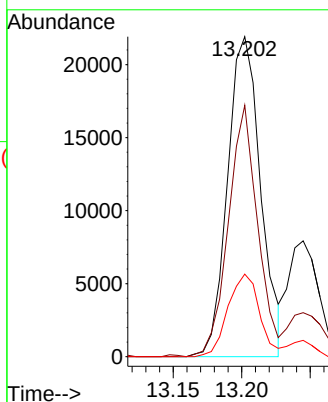
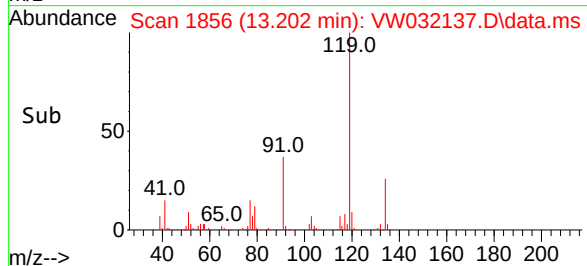
VSTDIC005



Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.4	33.8	101.3
134	24.6	12.5	37.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

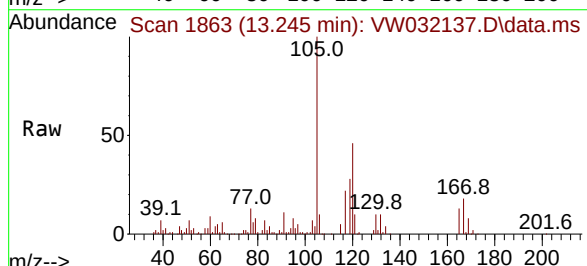
Concen: 4.250 ug/l

RT: 13.245 min Scan# 1863

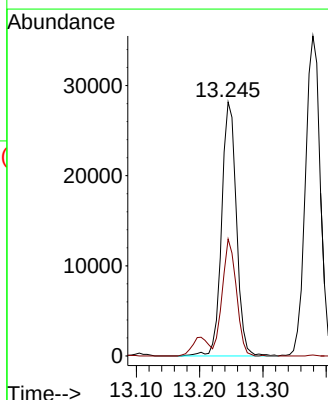
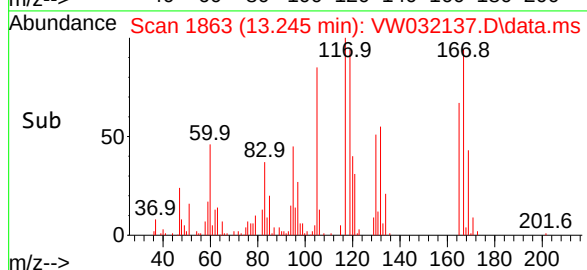
Delta R.T. -0.000 min

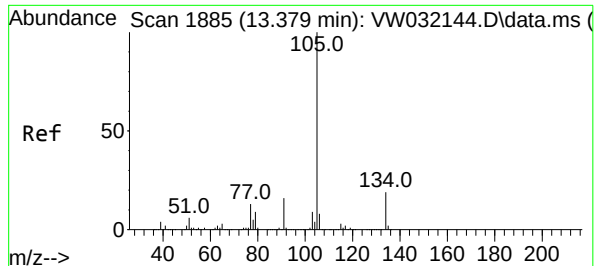
Lab File: VW032137.D

Acq: 26 Aug 2025 09:39



Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 4.410 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 5782

Ion Ratio Lower Upper

105 100

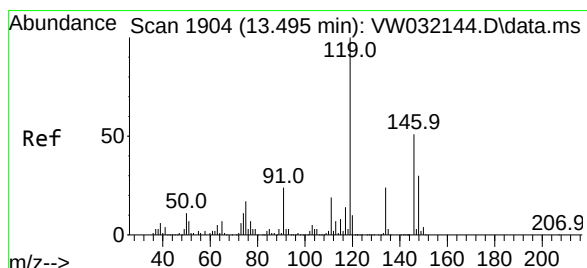
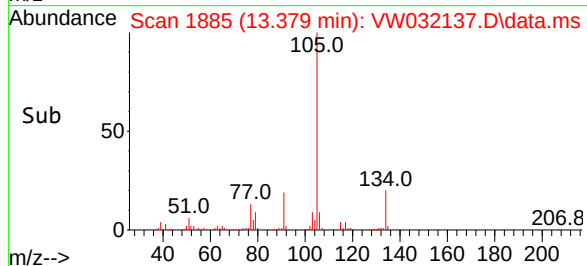
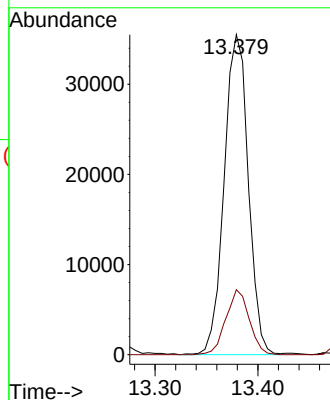
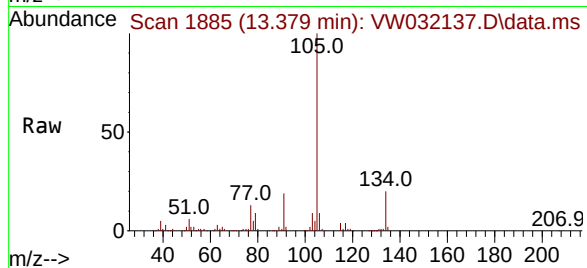
134 19.6 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#86

p-Isopropyltoluene

Concen: 4.240 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

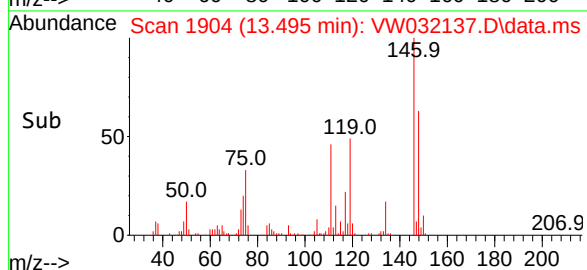
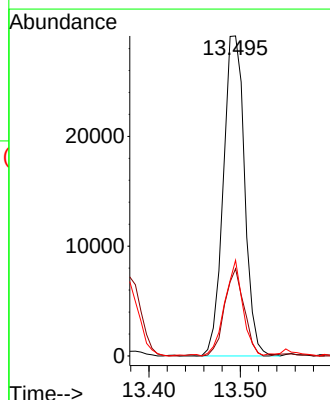
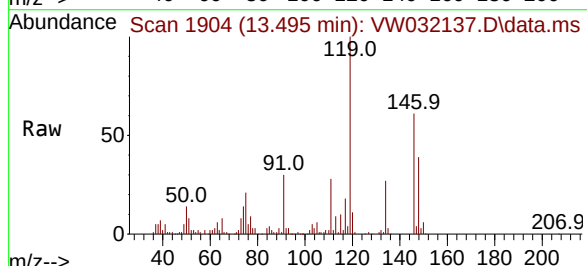
Tgt Ion:119 Resp: 47272

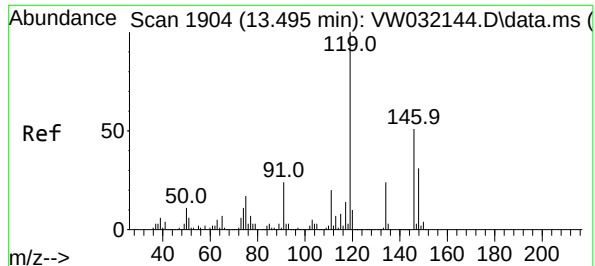
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.6

91 25.9 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 4.762 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

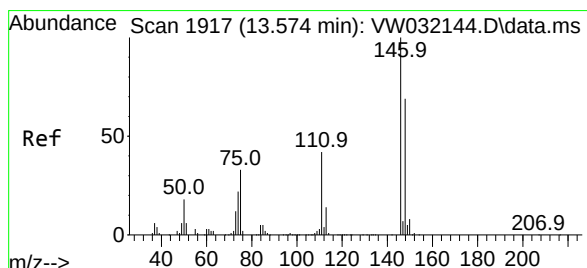
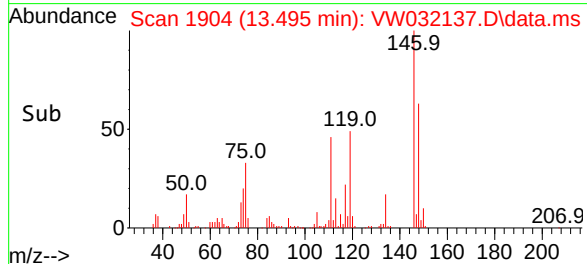
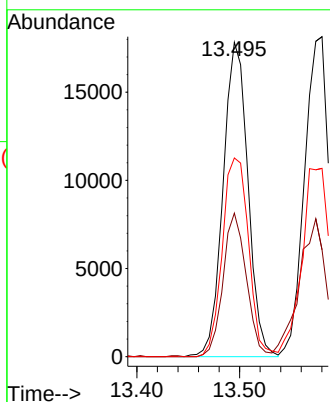
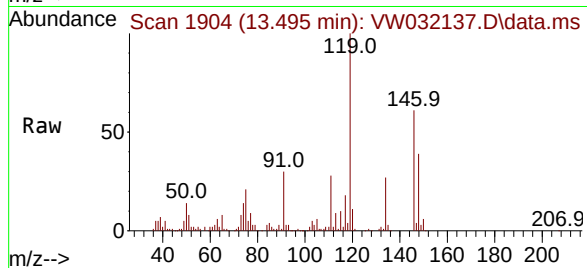
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	29910
Ion Ratio	Lower	Upper	
146	100		
111	42.8	20.6	61.9
148	66.9	30.6	92.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#88

1,4-Dichlorobenzene

Concen: 4.929 ug/l

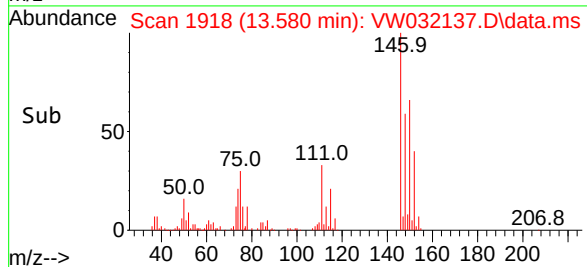
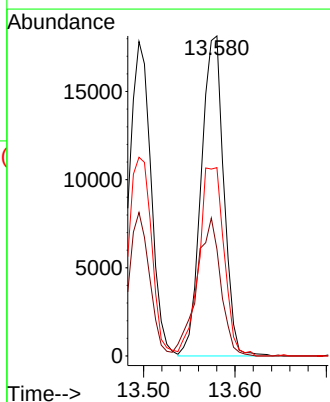
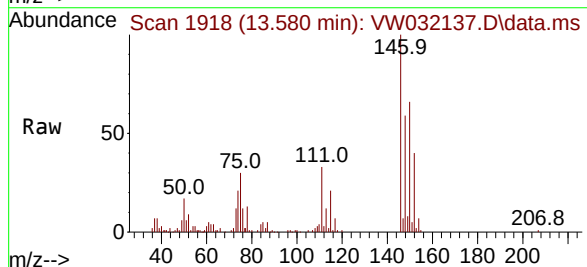
RT: 13.580 min Scan# 1918

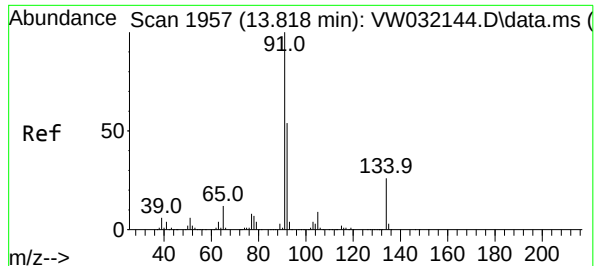
Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	146	Resp:	31029
Ion Ratio	Lower	Upper	
146	100		
111	46.4	21.3	63.7
148	65.9	33.4	100.1





#89

n-Butylbenzene

Concen: 4.356 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

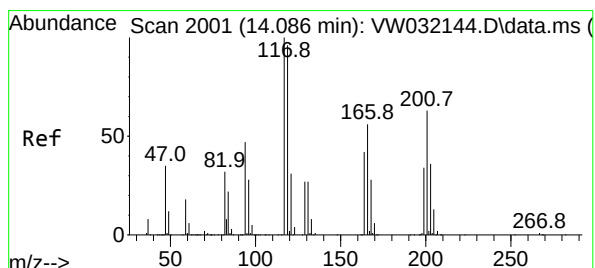
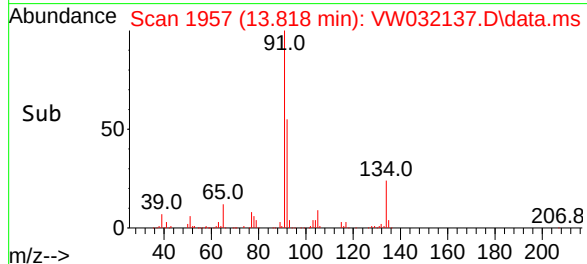
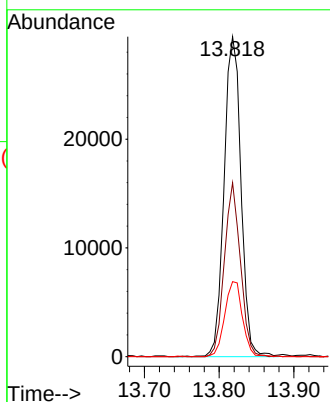
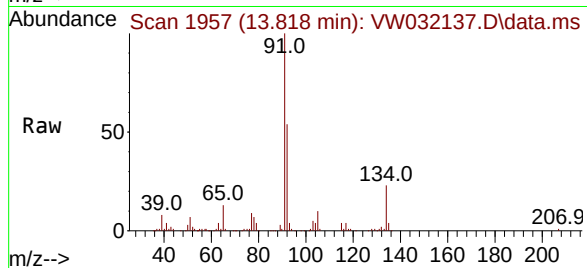
ClientSampleId :

VSTDICC005

Tgt Ion:	91	Resp:	4630
Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.0	81.0
134	24.6	13.1	39.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 4.750 ug/l

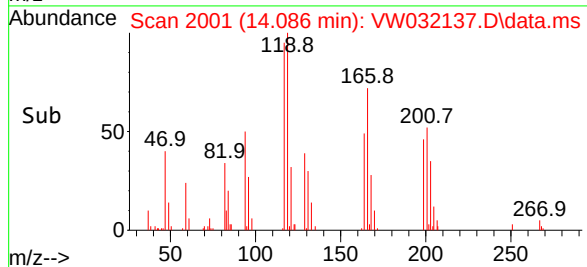
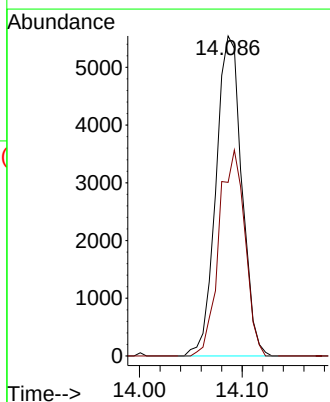
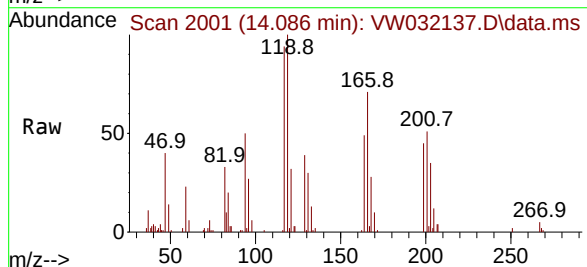
RT: 14.086 min Scan# 2001

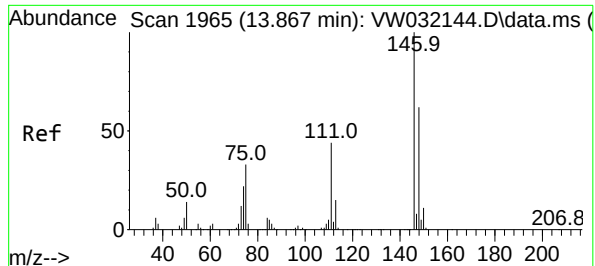
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	117	Resp:	9687
Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 4.891 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

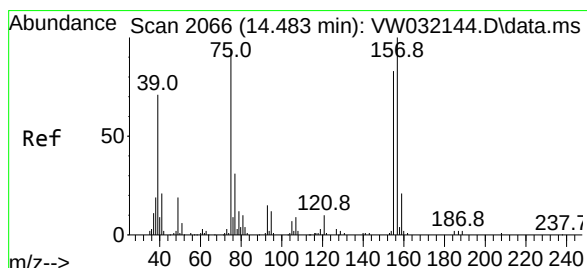
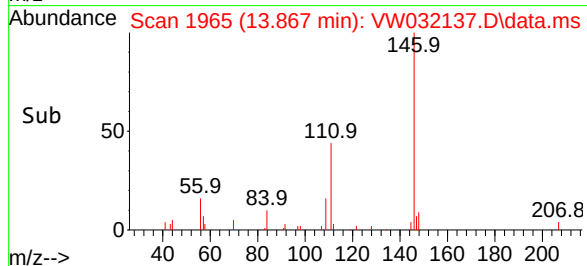
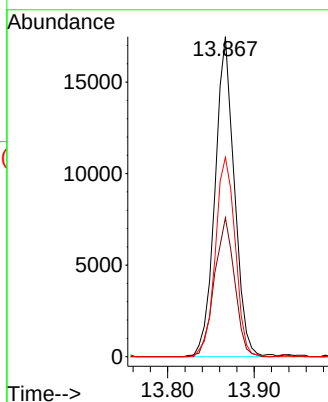
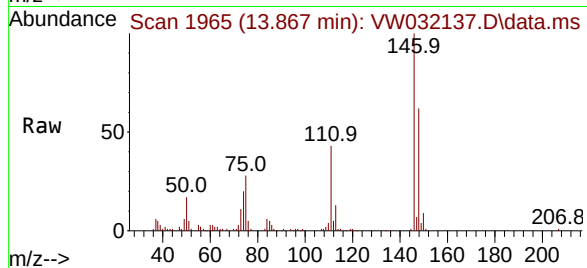
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	2720
Ion Ratio	Lower	Upper	
146	100		
111	44.9	23.4	70.0
148	63.7	34.1	102.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.646 ug/l

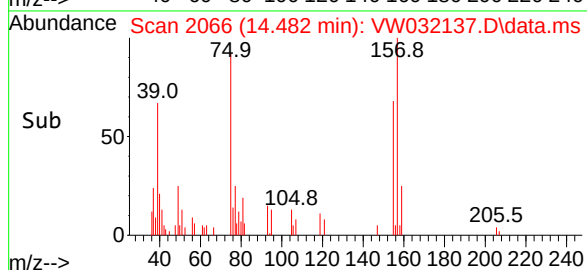
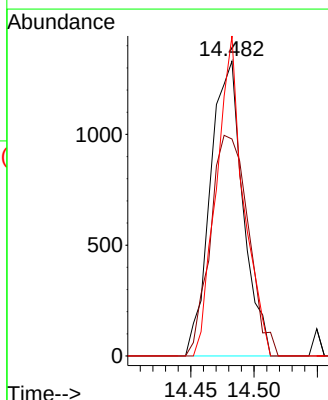
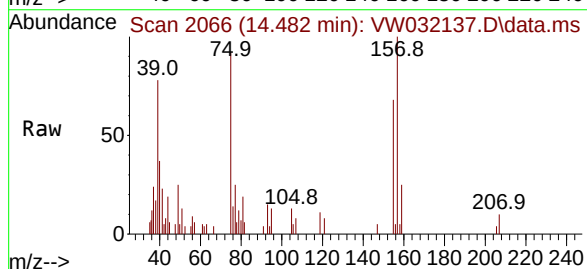
RT: 14.482 min Scan# 2066

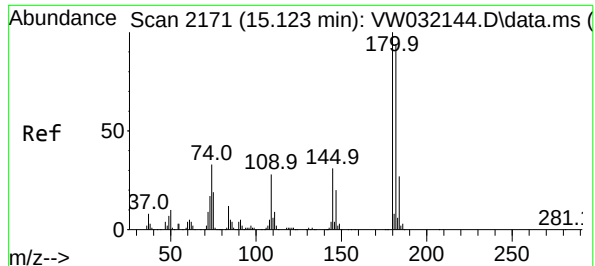
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Tgt Ion:	75	Resp:	2386
Ion Ratio	Lower	Upper	
75	100		
155	87.2	40.8	122.5
157	90.2	51.8	155.4





#93

1,2,4-Trichlorobenzene

Concen: 4.408 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

Instrument :

MSVOA_W

ClientSampleId :

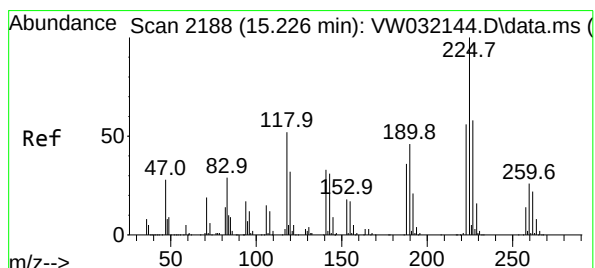
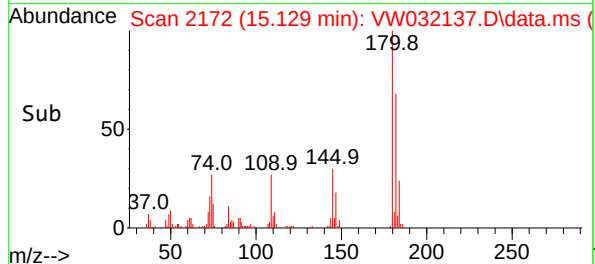
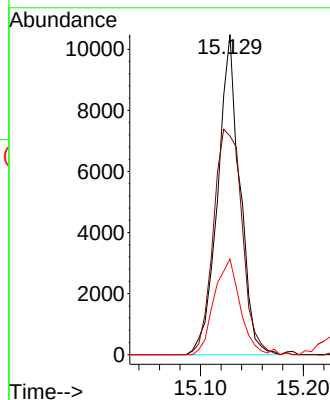
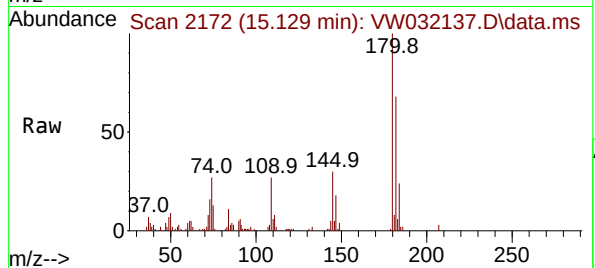
VSTDICC005

Tgt Ion:	180	Resp:	1566
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.4	142.2
145	35.4	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 5.060 ug/l

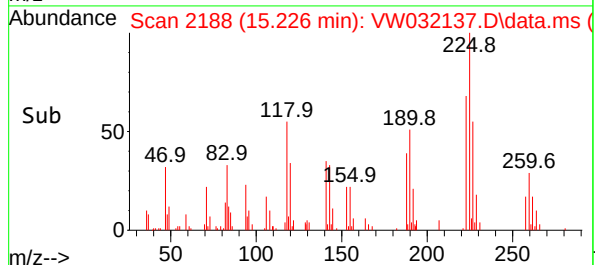
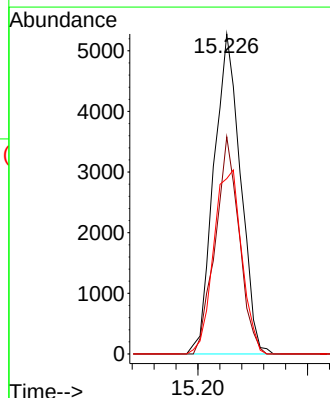
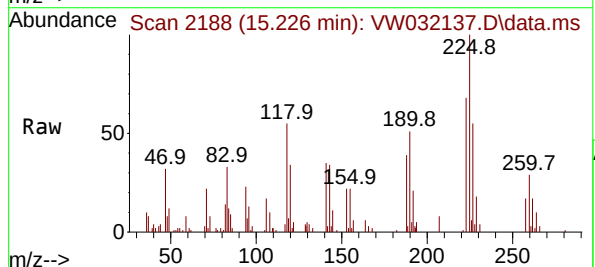
RT: 15.226 min Scan# 2188

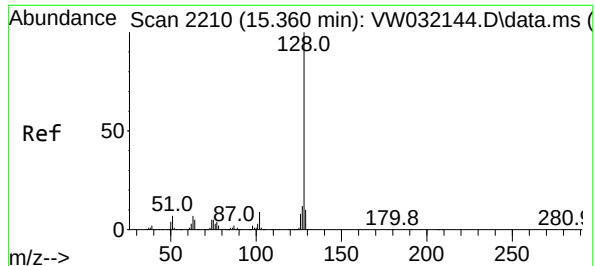
Delta R.T. -0.000 min

Lab File: VW032137.D

Acq: 26 Aug 2025 09:39

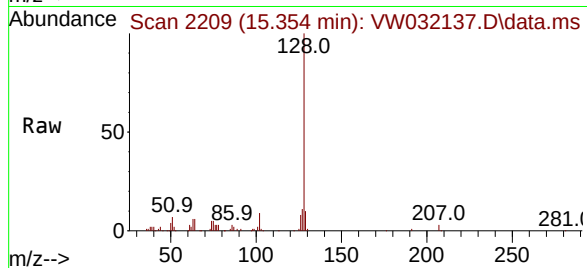
Tgt Ion:	225	Resp:	8916
Ion Ratio	Lower	Upper	
225	100		
223	60.9	29.8	89.3
227	60.6	30.5	91.5





#95
Naphthalene
Concen: 4.007 ug/l
RT: 15.354 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39

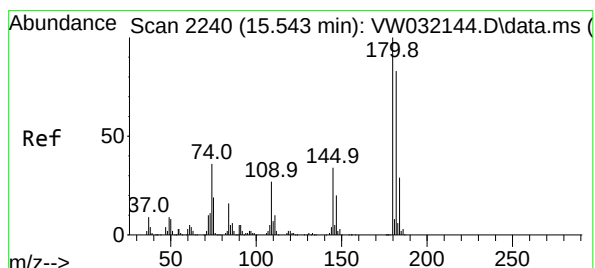
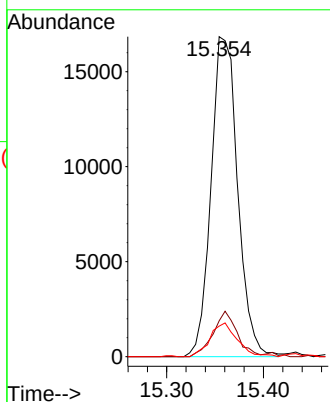
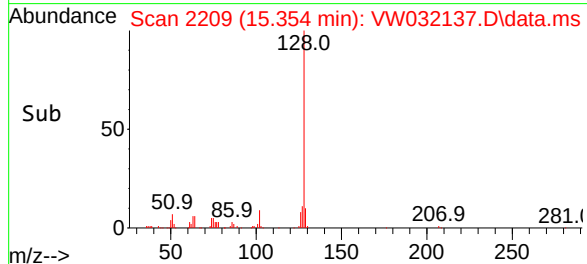
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



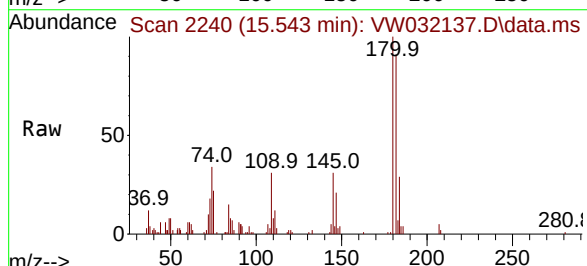
Tgt Ion:128 Resp: 32224
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.4 12.6

Manual Integrations
APPROVED

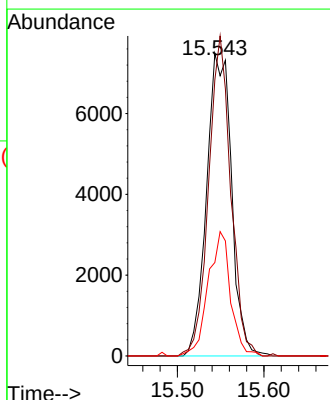
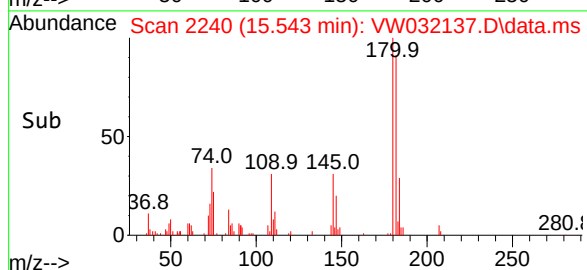
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.534 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VW032137.D
Acq: 26 Aug 2025 09:39



Tgt Ion:180 Resp: 14982
Ion Ratio Lower Upper
180 100
182 93.9 47.7 143.1
145 36.9 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032138.D
 Acq On : 26 Aug 2025 10:23
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:48:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	211234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	363619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	30225	10.005	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.020%#		
35) Dibromofluoromethane	7.898	113	25460	9.980	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.960%#		
50) Toluene-d8	10.331	98	88342	9.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	19.720%#		
62) 4-Bromofluorobenzene	12.617	95	31333	9.461	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	18.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	14618	10.482	ug/l	89
3) Chloromethane	2.253	50	14677	10.037	ug/l	99
4) Vinyl Chloride	2.405	62	20537	10.813	ug/l	95
5) Bromomethane	2.826	94	17493	10.314	ug/l	94
6) Chloroethane	2.966	64	14154	10.582	ug/l	98
7) Trichlorofluoromethane	3.308	101	18838	10.011	ug/l	97
8) Diethyl Ether	3.722	74	14749	10.503	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	21714	10.243	ug/l	98
10) Methyl Iodide	4.307	142	33798	10.471	ug/l	98
11) Tert butyl alcohol	5.222	59	8976	48.576	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	21754	9.744	ug/l	94
13) Acrolein	3.929	56	14491	51.017	ug/l	99
14) Allyl chloride	4.704	41	31497	9.932	ug/l	99
15) Acrylonitrile	5.399	53	34723	50.858	ug/l	99
16) Acetone	4.161	43	33956	51.901	ug/l	94
17) Carbon Disulfide	4.417	76	56470	10.113	ug/l	99
18) Methyl Acetate	4.710	43	19652	9.428	ug/l	97
19) Methyl tert-butyl Ether	5.472	73	41859	9.929	ug/l	99
20) Methylene Chloride	4.948	84	37160	10.662	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	25148	10.084	ug/l	96
22) Diisopropyl ether	6.338	45	67403	9.766	ug/l #	87
23) Vinyl Acetate	6.289	43	225264	48.006	ug/l	97
24) 1,1-Dichloroethane	6.240	63	45759	10.127	ug/l	98
25) 2-Butanone	7.197	43	45718	49.314	ug/l	96
26) 2,2-Dichloropropane	7.185	77	23694	9.902	ug/l	96
27) cis-1,2-Dichloroethene	7.197	96	30439	10.030	ug/l	98
28) Bromochloromethane	7.532	49	20056	9.697	ug/l	97
29) Tetrahydrofuran	7.551	42	28428	48.254	ug/l	100
30) Chloroform	7.697	83	52596	10.195	ug/l	97
31) Cyclohexane	7.965	56	39275	10.590	ug/l #	86
32) 1,1,1-Trichloroethane	7.886	97	38320	10.176	ug/l	100
36) 1,1-Dichloropropene	8.093	75	33450	10.113	ug/l	98
37) Ethyl Acetate	7.276	43	19121	9.636	ug/l	97
38) Carbon Tetrachloride	8.081	117	35561	10.029	ug/l	97
39) Methylcyclohexane	9.343	83	38190	9.748	ug/l	92
40) Benzene	8.337	78	103343	10.107	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032138.D
 Acq On : 26 Aug 2025 10:23
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:48:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	10841	9.834	ug/l	93
42) 1,2-Dichloroethane	8.416	62	35957	10.144	ug/l	97
43) Isopropyl Acetate	8.441	43	35470	9.528	ug/l	96
44) Trichloroethene	9.099	130	26114	10.156	ug/l	85
45) 1,2-Dichloropropane	9.374	63	25046	10.162	ug/l	100
46) Dibromomethane	9.465	93	17993	10.408	ug/l	98
47) Bromodichloromethane	9.654	83	39005	9.928	ug/l	100
48) Methyl methacrylate	9.441	41	15484	9.026	ug/l	88
49) 1,4-Dioxane	9.465	88	3437	164.547	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	101528	48.302	ug/l	98
52) Toluene	10.392	92	66895	10.012	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	32461	9.366	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	37752	9.547	ug/l	97
55) 1,1,2-Trichloroethane	10.794	97	22801	10.143	ug/l	94
56) Ethyl methacrylate	10.648	69	26610	9.259	ug/l	97
57) 1,3-Dichloropropane	10.934	76	38090	10.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	73697	48.041	ug/l	99
59) 2-Hexanone	10.971	43	68690	46.989	ug/l	97
60) Dibromochloromethane	11.129	129	26185	9.626	ug/l	95
61) 1,2-Dibromoethane	11.239	107	22442	10.151	ug/l	100
64) Tetrachloroethene	10.861	164	22486	10.095	ug/l	92
65) Chlorobenzene	11.654	112	76630	9.948	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	25682	10.127	ug/l	98
67) Ethyl Benzene	11.733	91	123370	9.775	ug/l	97
68) m/p-Xylenes	11.843	106	94822	19.521	ug/l	99
69) o-Xylene	12.166	106	44610	9.709	ug/l	95
70) Styrene	12.178	104	78501	9.692	ug/l	98
71) Bromoform	12.349	173	14353	9.529	ug/l #	96
73) Isopropylbenzene	12.464	105	113135	9.615	ug/l	99
74) N-amyl acetate	12.276	43	31026	9.082	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	27712	9.910	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	20674m	9.219	ug/l	
77) Bromobenzene	12.745	156	29230	9.741	ug/l	99
78) n-propylbenzene	12.800	91	140832	9.858	ug/l	97
79) 2-Chlorotoluene	12.891	91	85542	9.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	96634	9.700	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	6880	8.537	ug/l	91
82) 4-Chlorotoluene	12.989	91	92476	9.890	ug/l	99
83) tert-Butylbenzene	13.202	119	80888	9.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	97711	9.480	ug/l	99
85) sec-Butylbenzene	13.379	105	119897	9.507	ug/l	98
86) p-Isopropyltoluene	13.495	119	102643	9.570	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	62937	10.417	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	62683	10.351	ug/l	98
89) n-Butylbenzene	13.818	91	96382	9.426	ug/l	97
90) Hexachloroethane	14.086	117	19253	9.814	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	52479	9.811	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	4440	8.988	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	34429	10.074	ug/l	96
94) Hexachlorobutadiene	15.226	225	16347	9.644	ug/l	92
95) Naphthalene	15.360	128	68744	8.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	31730	9.983	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032138.D
Acq On : 26 Aug 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

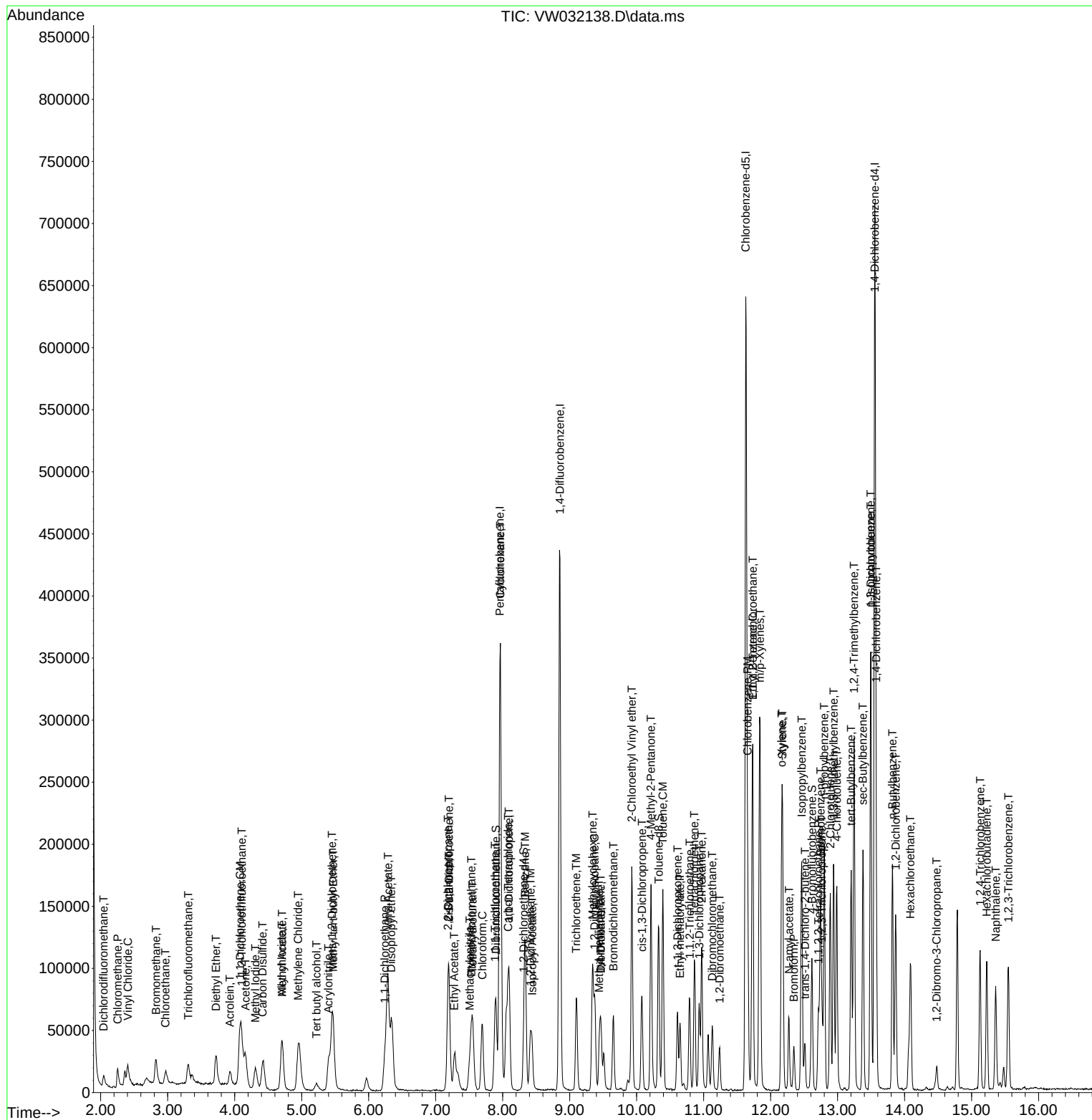
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

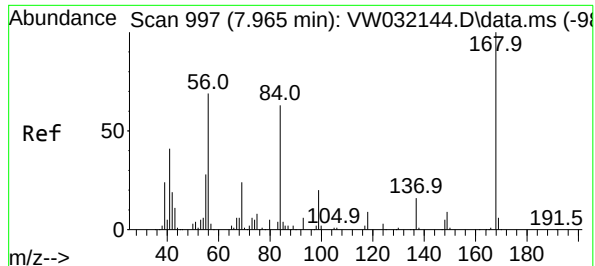
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

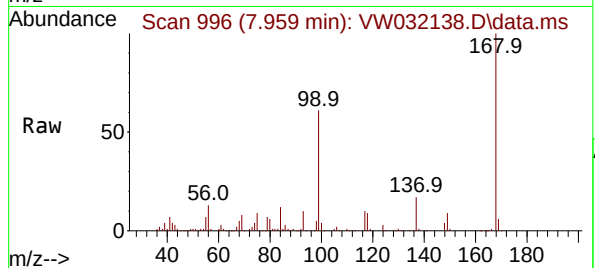
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

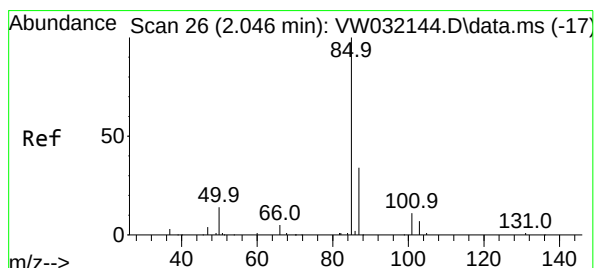
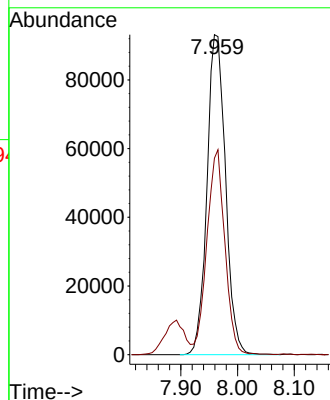
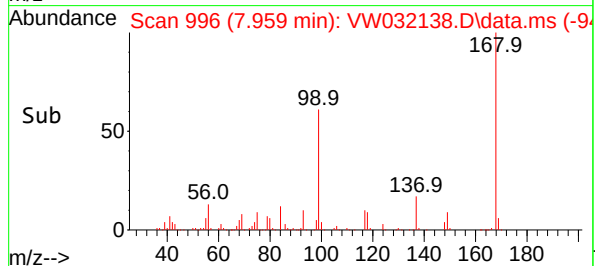
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 211234
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9

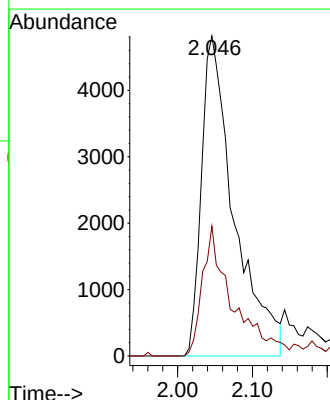
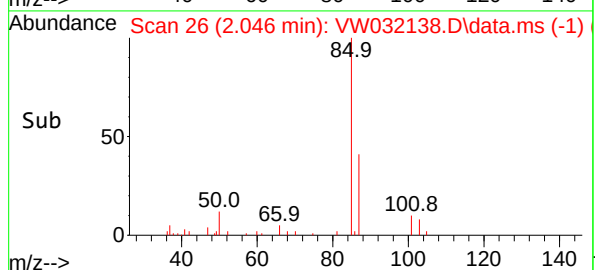
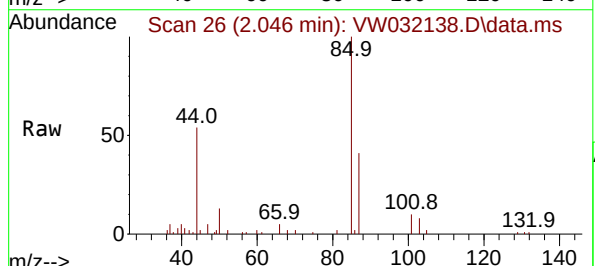
Manual Integrations
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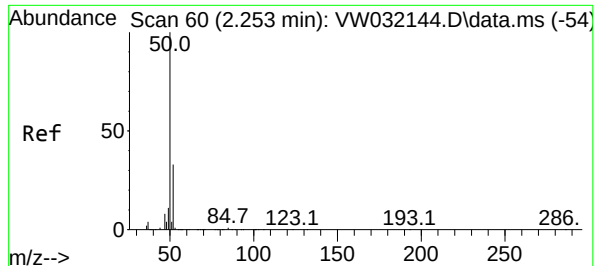
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 10.482 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 85 Resp: 14618
Ion Ratio Lower Upper
85 100
87 40.5 17.2 51.6





#3

Chloromethane

Concen: 10.037 ug/l

RT: 2.253 min Scan# 60

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

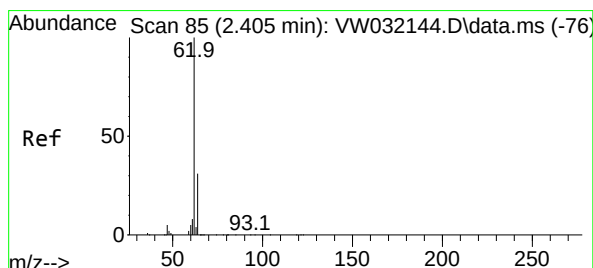
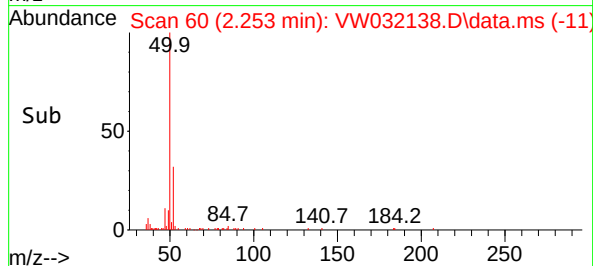
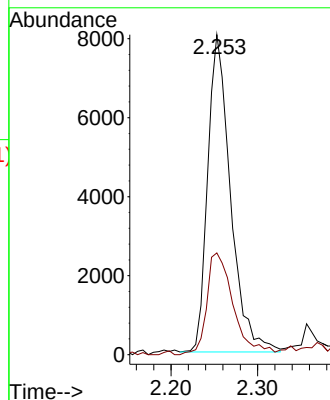
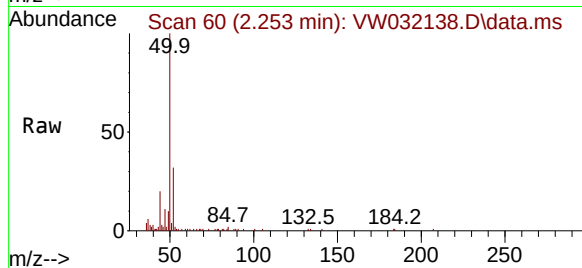
Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:	50	Resp:	1467
Ion Ratio	Lower	Upper	
50	100		
52	32.1	26.1	39.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#4

Vinyl Chloride

Concen: 10.813 ug/l

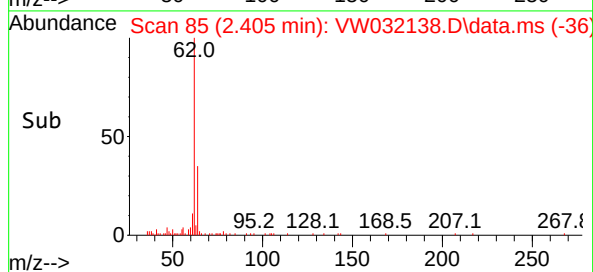
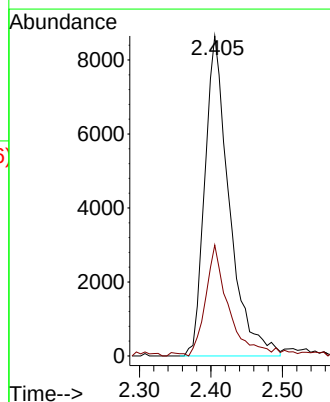
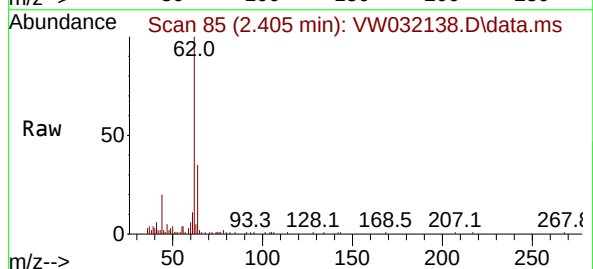
RT: 2.405 min Scan# 85

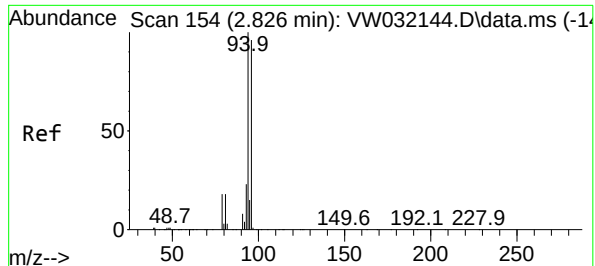
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	62	Resp:	20537
Ion Ratio	Lower	Upper	
62	100		
64	33.9	24.8	37.2





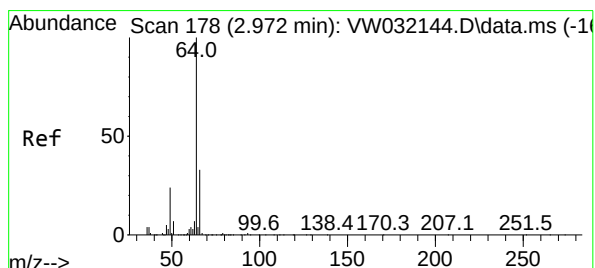
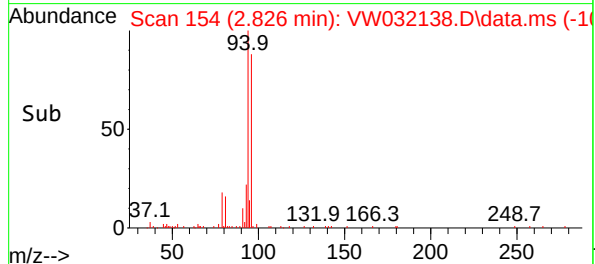
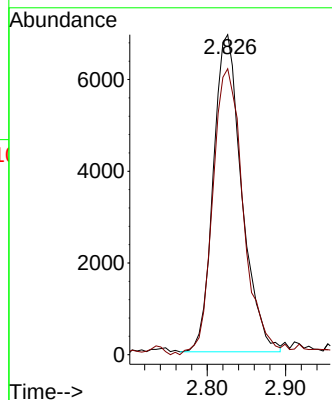
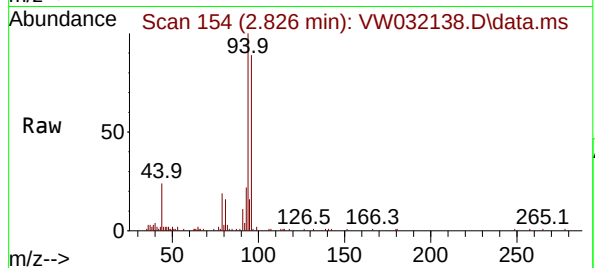
#5
Bromomethane
Concen: 10.314 ug/l
RT: 2.826 min Scan# 154
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 1749
Ion Ratio Lower Upper
94 100
96 90.2 76.6 115.0

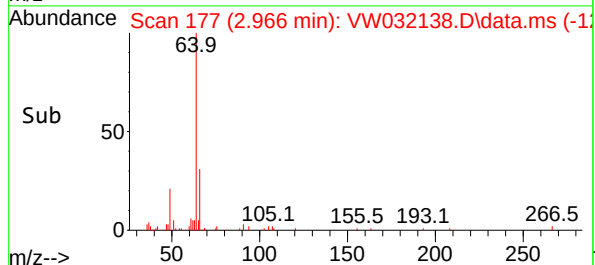
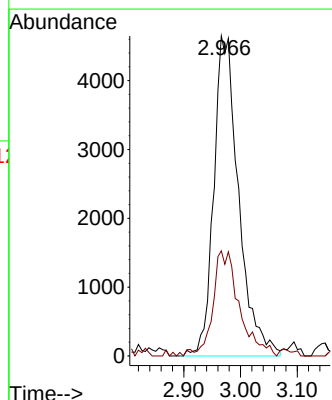
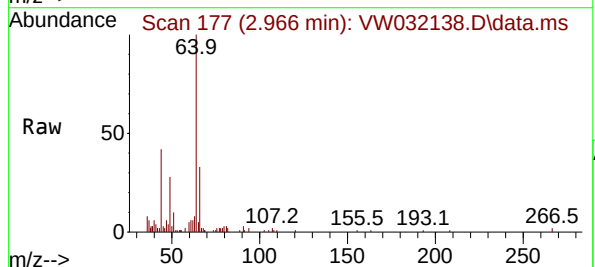
Manual Integrations
APPROVED

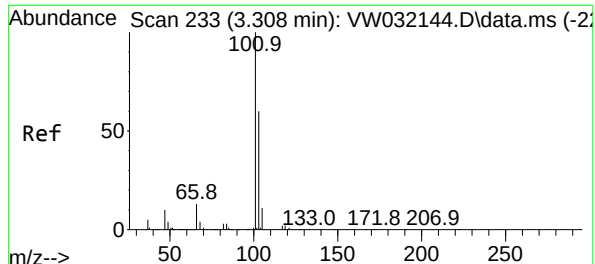
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 10.582 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 64 Resp: 14154
Ion Ratio Lower Upper
64 100
66 31.8 26.2 39.4





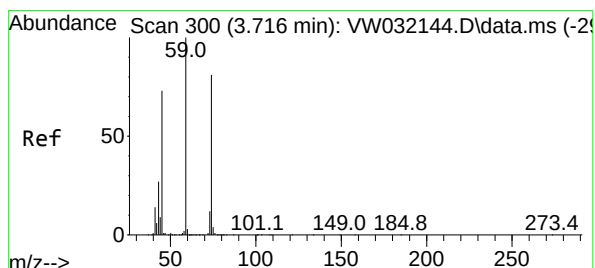
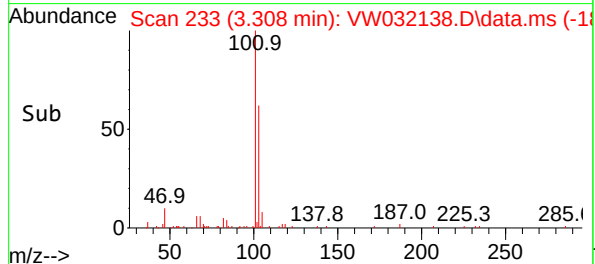
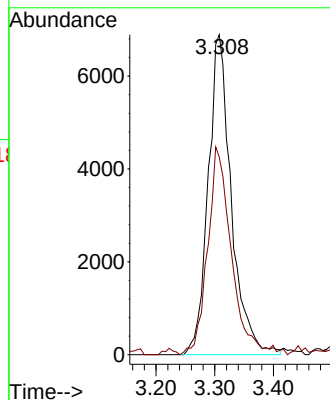
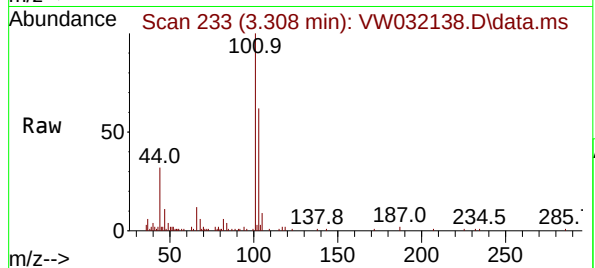
#7
Trichlorofluoromethane
Concen: 10.011 ug/l
RT: 3.308 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 1883
Ion Ratio Lower Upper
101 100
103 61.7 47.8 71.8

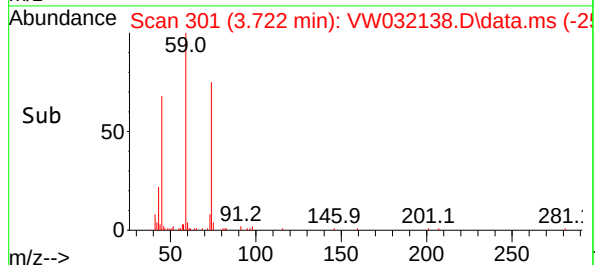
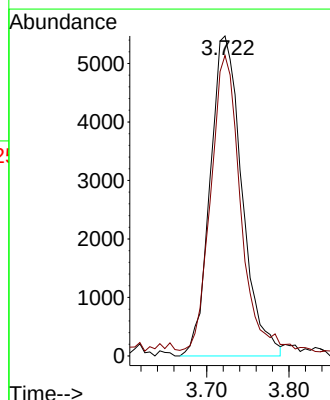
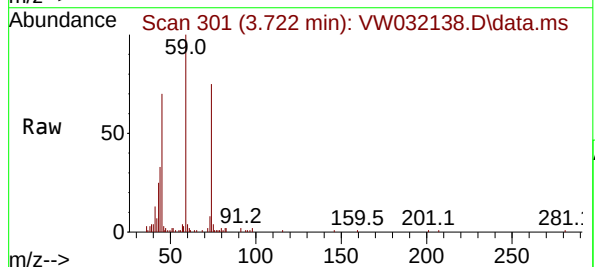
Manual Integrations
APPROVED

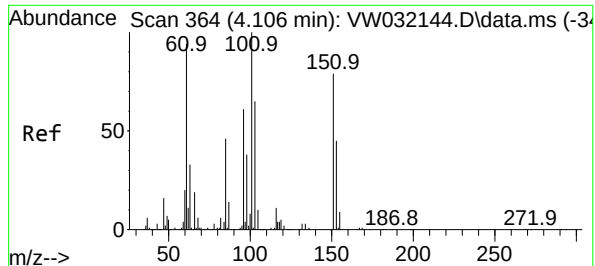
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 10.503 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 74 Resp: 14749
Ion Ratio Lower Upper
74 100
45 87.0 43.1 129.4





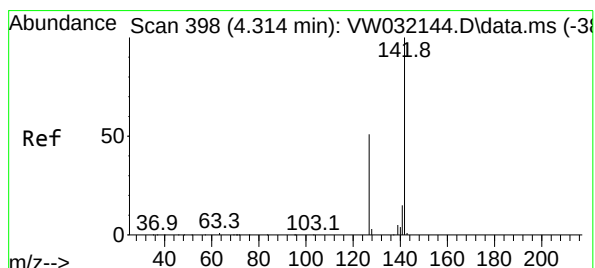
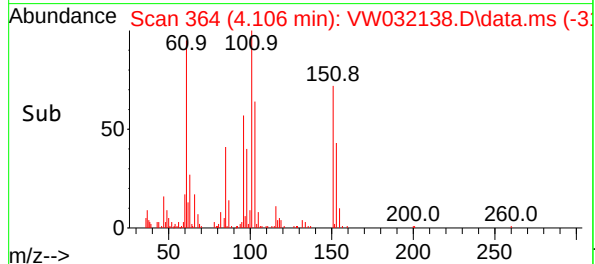
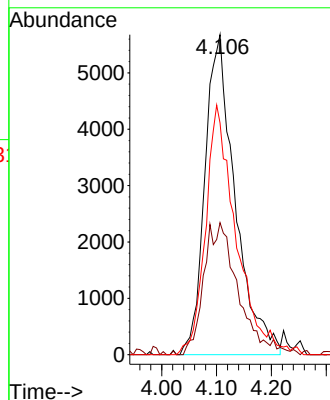
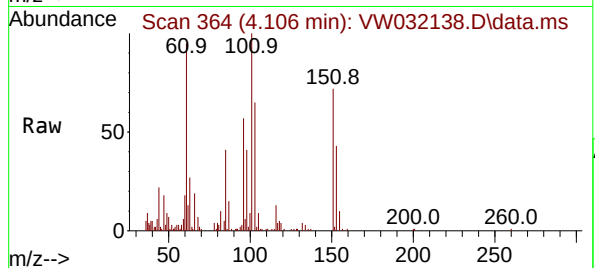
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.243 ug/l
RT: 4.106 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 21714
Ion Ratio Lower Upper
101 100
85 47.0 37.1 55.7
151 78.6 61.5 92.3

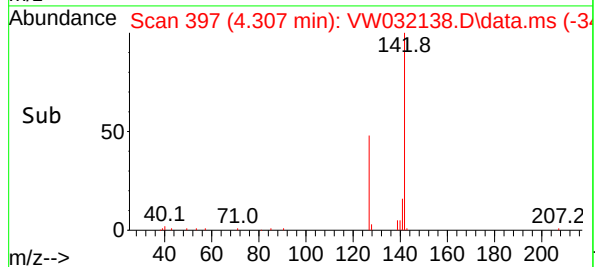
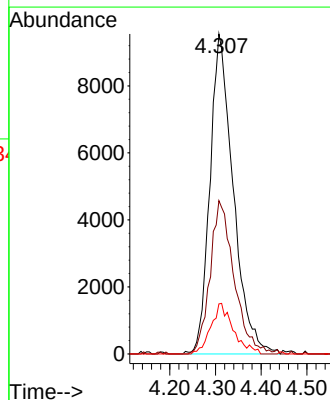
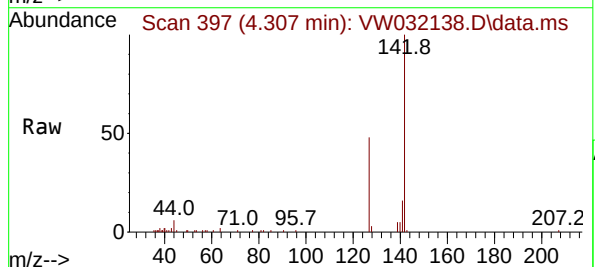
Manual Integrations
APPROVED

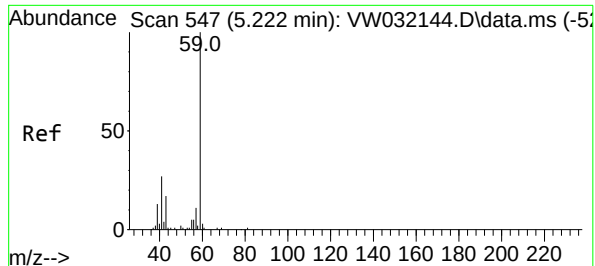
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#10
Methyl Iodide
Concen: 10.471 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion:142 Resp: 33798
Ion Ratio Lower Upper
142 100
127 49.5 38.2 57.2
141 15.1 12.2 18.2





#11

Tert butyl alcohol

Concen: 48.576 ug/l

RT: 5.222 min Scan# 547

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 8970

Ion Ratio Lower Upper

59 100

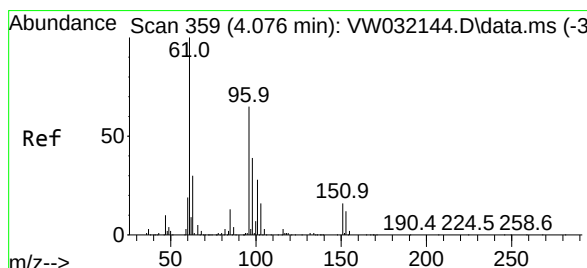
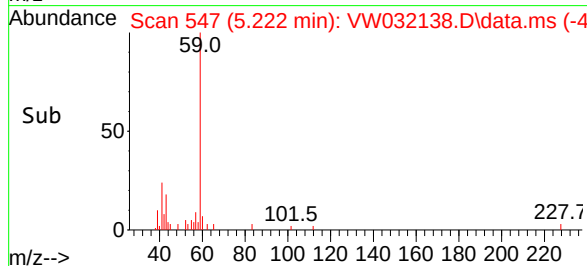
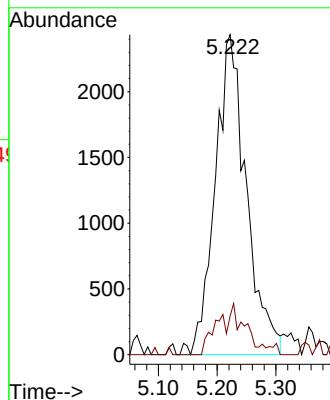
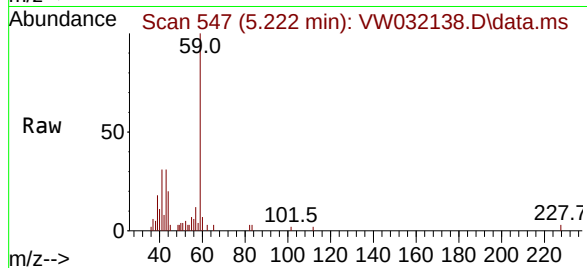
57 6.0 9.8 14.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#12

1,1-Dichloroethene

Concen: 9.744 ug/l

RT: 4.082 min Scan# 360

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

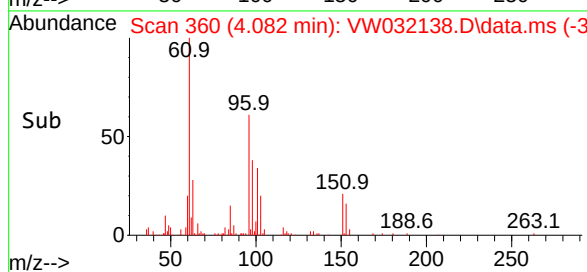
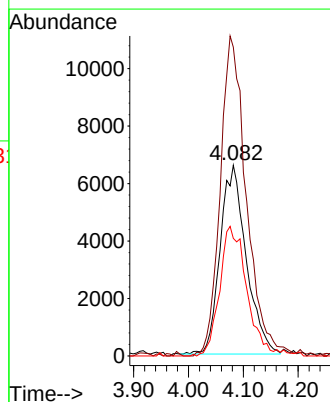
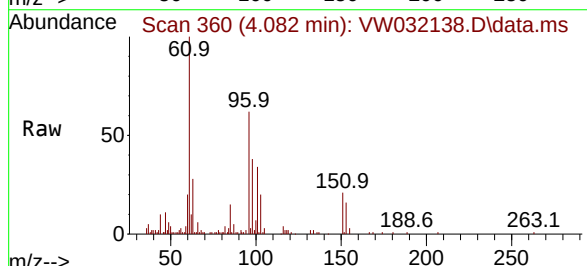
Tgt Ion: 96 Resp: 21754

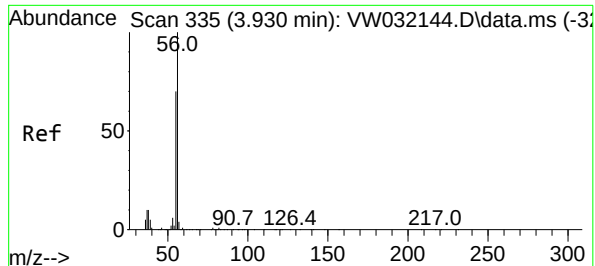
Ion Ratio Lower Upper

96 100

61 162.5 123.0 184.4

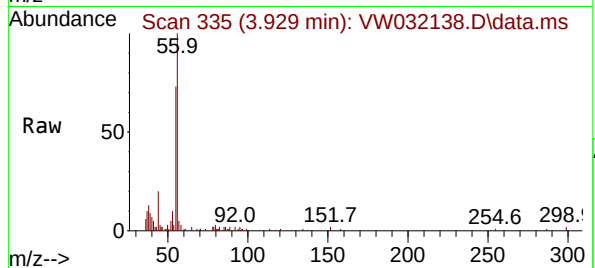
98 62.3 48.5 72.7





#13
Acrolein
Concen: 51.017 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

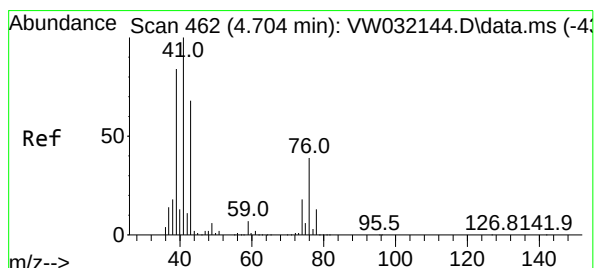
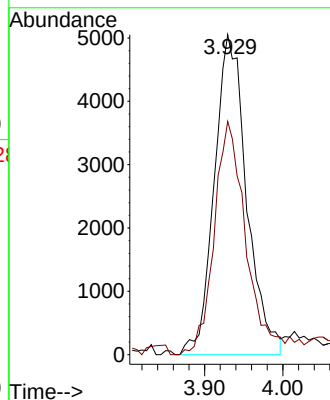
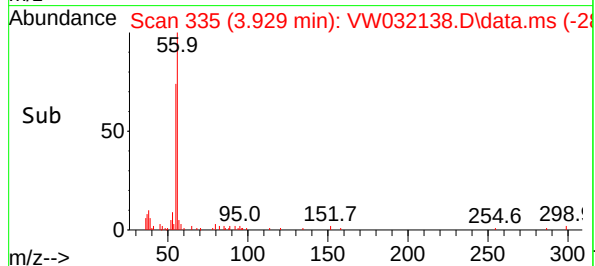
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



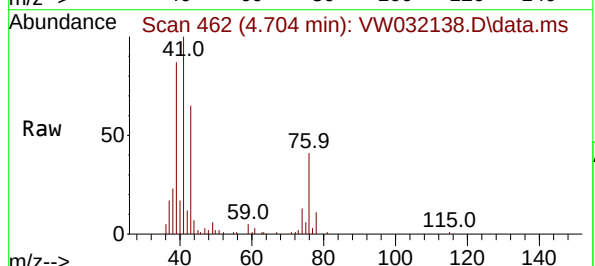
Tgt Ion: 56 Resp: 1449
Ion Ratio Lower Upper
56 100
55 71.0 56.4 84.6

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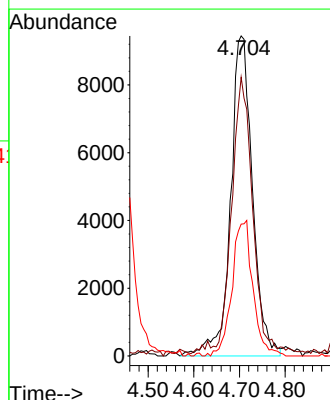
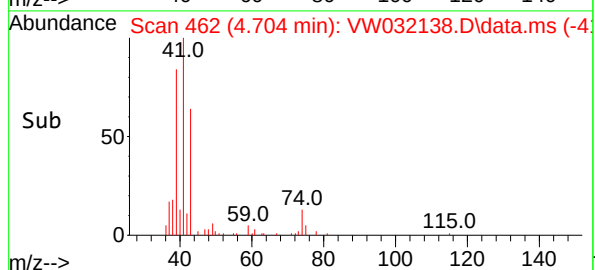
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

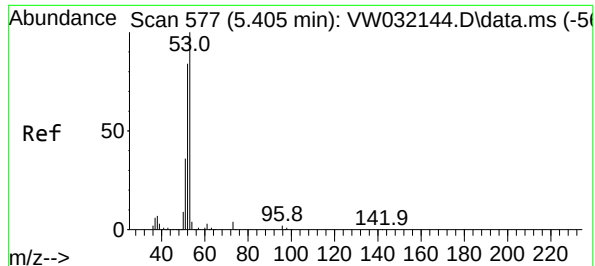


#14
Allyl chloride
Concen: 9.932 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23



Tgt Ion: 41 Resp: 31497
Ion Ratio Lower Upper
41 100
39 80.6 64.1 96.1
76 40.3 31.4 47.2





#15

Acrylonitrile

Concen: 50.858 ug/l

RT: 5.399 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

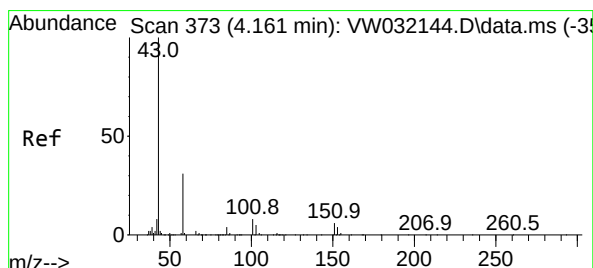
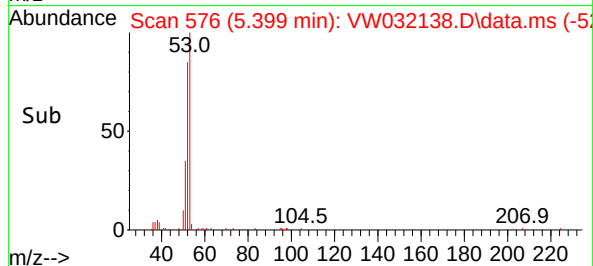
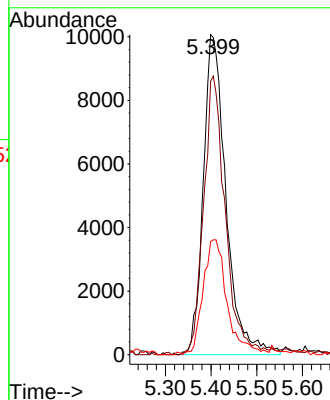
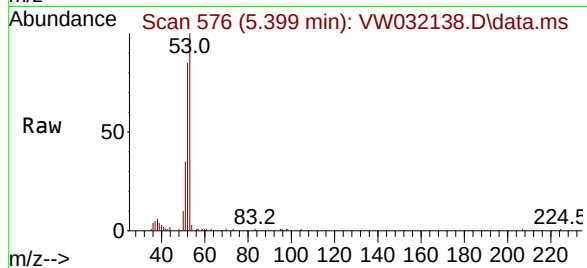
ClientSampleId :

VSTDICC010

Tgt Ion:	53	Resp:	3472
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	38.0	30.3	45.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16

Acetone

Concen: 51.901 ug/l

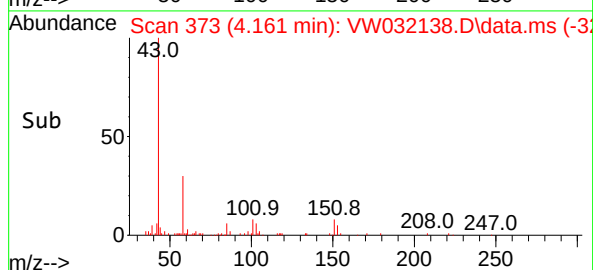
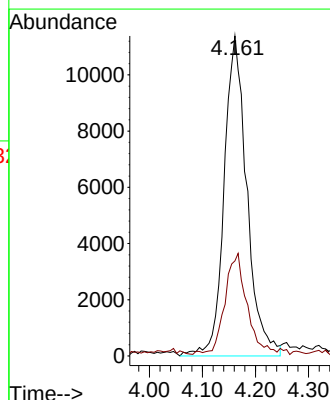
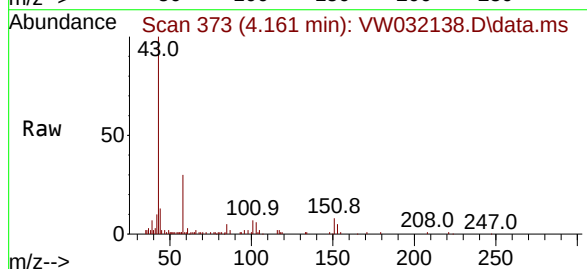
RT: 4.161 min Scan# 373

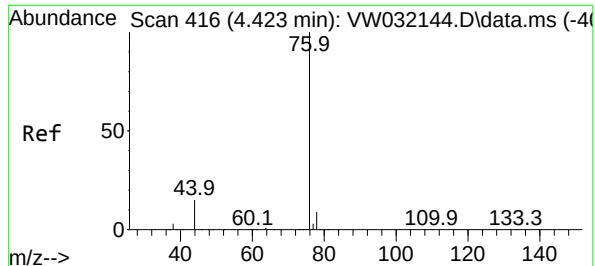
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	43	Resp:	33956
Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.3	37.9





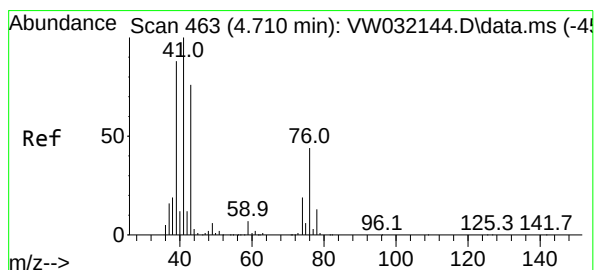
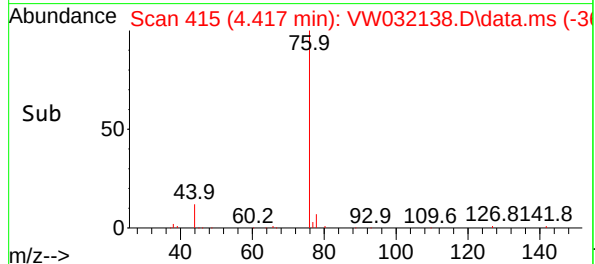
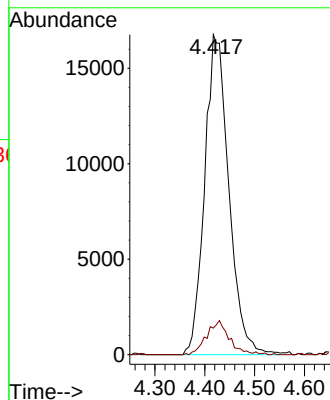
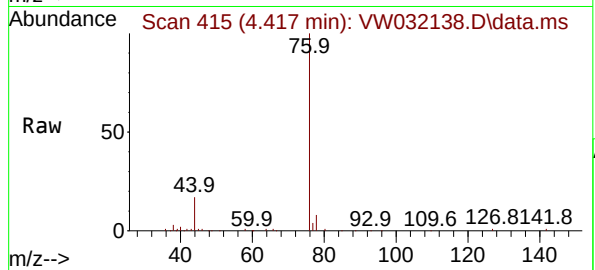
#17
Carbon Disulfide
Concen: 10.113 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 56470
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

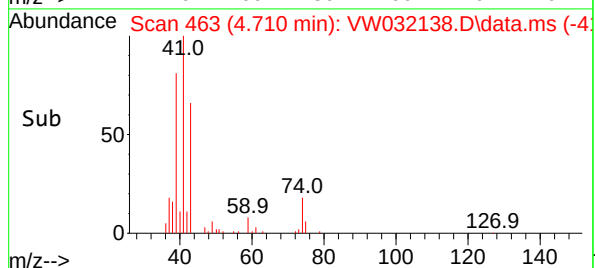
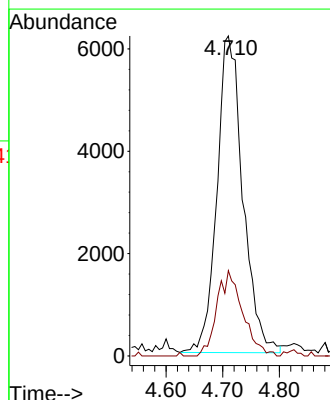
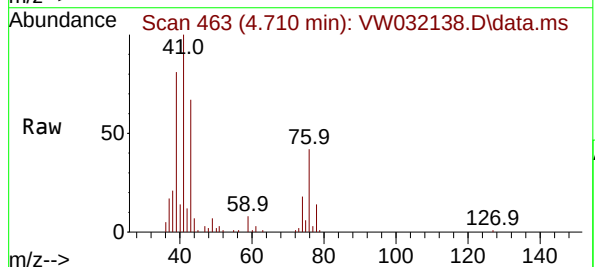
Manual Integrations
APPROVED

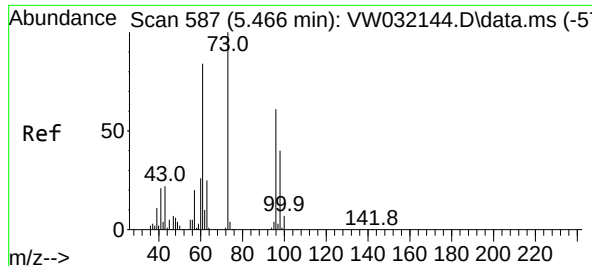
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#18
Methyl Acetate
Concen: 9.428 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 43 Resp: 19652
Ion Ratio Lower Upper
43 100
74 26.7 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 9.929 ug/l

RT: 5.472 min Scan# 501

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 4185

Ion Ratio Lower Upper

73 100

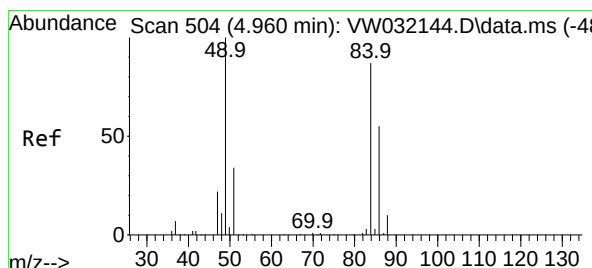
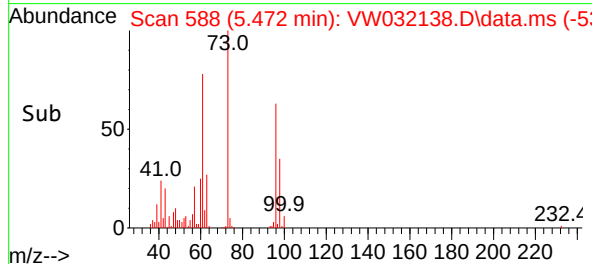
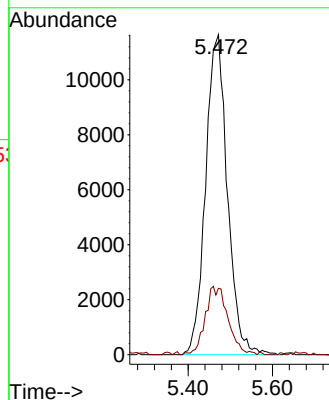
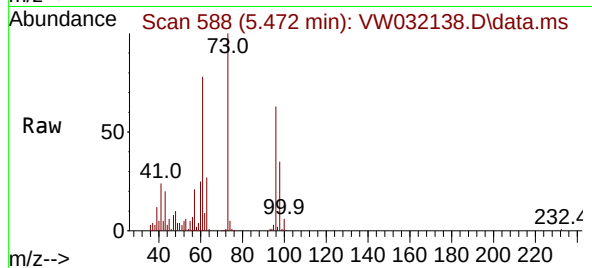
57 20.8 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 10.662 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.012 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion: 84 Resp: 37160

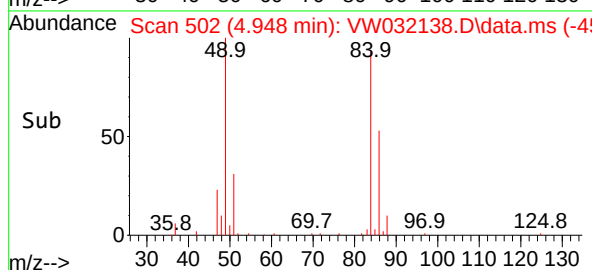
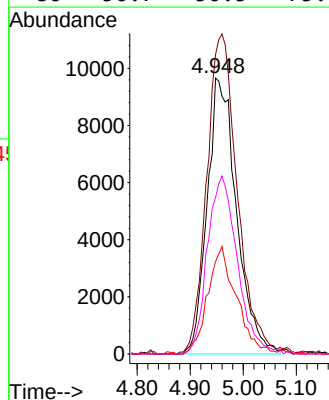
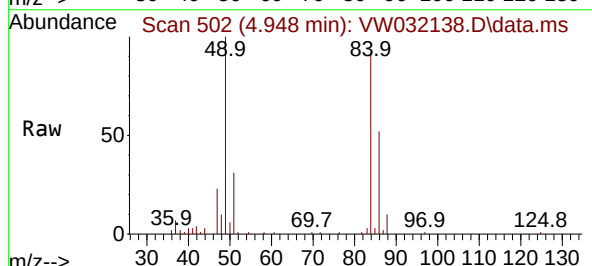
Ion Ratio Lower Upper

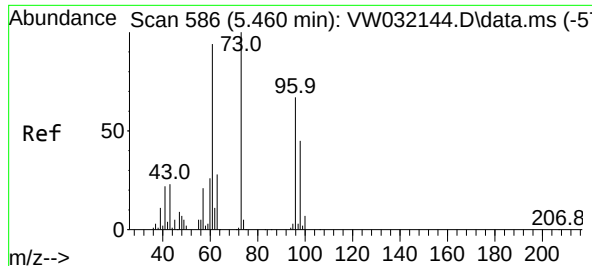
84 100

49 107.8 92.2 138.4

51 33.6 31.0 46.6

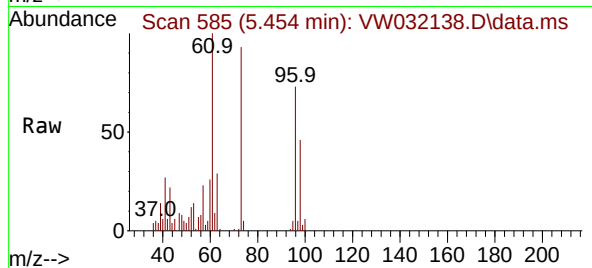
86 56.7 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 10.084 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

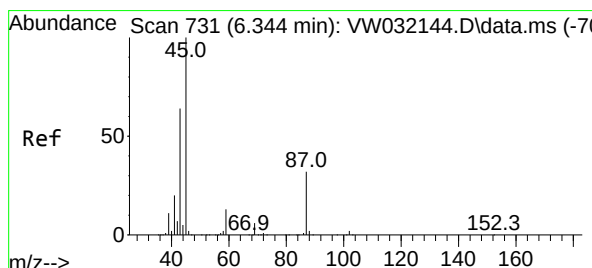
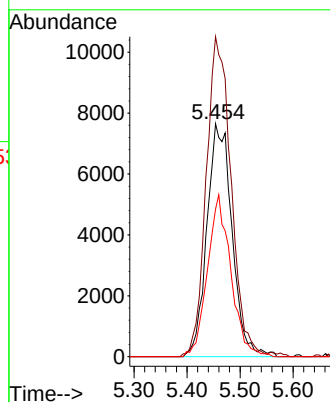
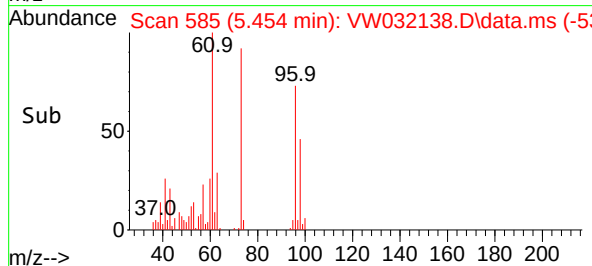
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 2514
Ion Ratio Lower Upper
96 100
61 137.3 112.5 168.7
98 63.3 54.2 81.4

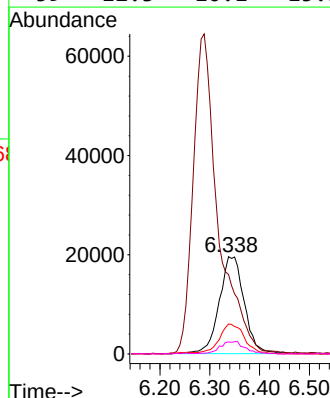
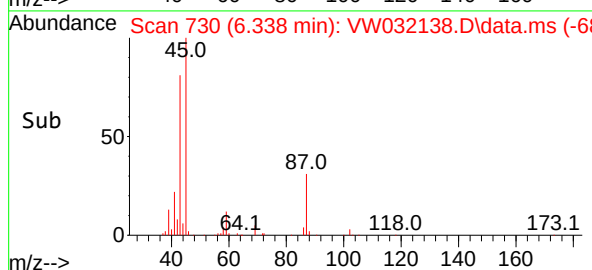
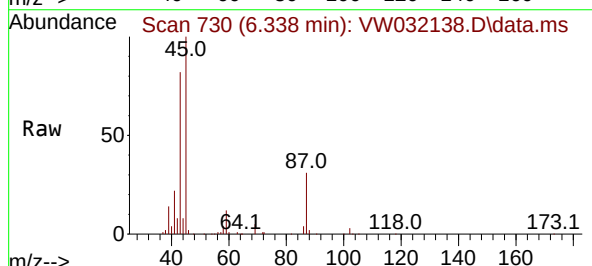
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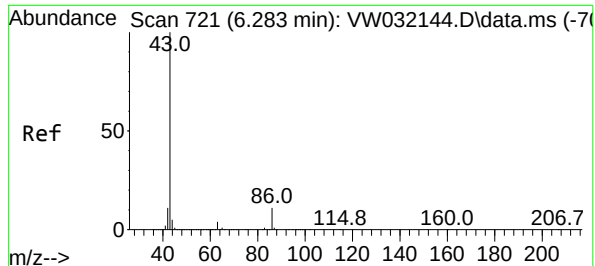
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 9.766 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 45 Resp: 67403
Ion Ratio Lower Upper
45 100
43 80.1 51.4 77.2#
87 30.6 25.9 38.9
59 12.3 10.1 15.1





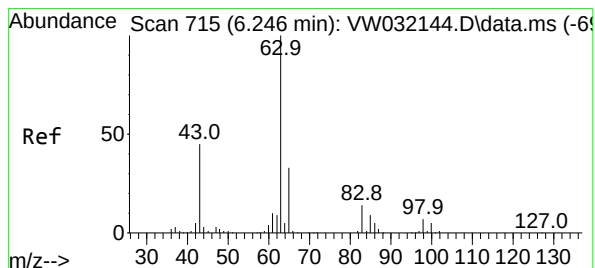
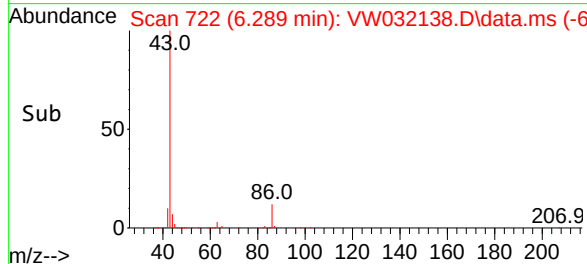
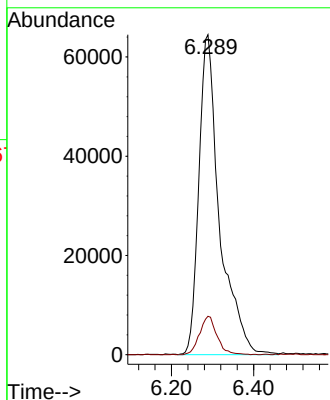
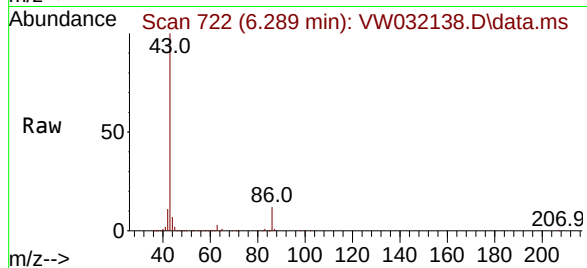
#23
Vinyl Acetate
Concen: 48.006 ug/l
RT: 6.289 min Scan# 714
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 225264
Ion Ratio Lower Upper
43 100
86 12.0 8.8 13.2

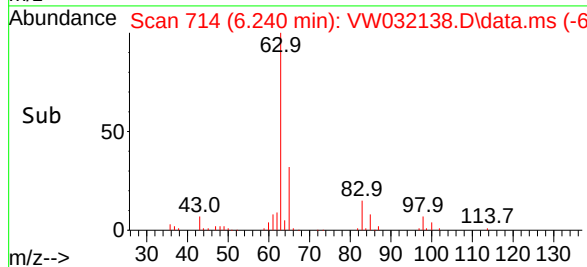
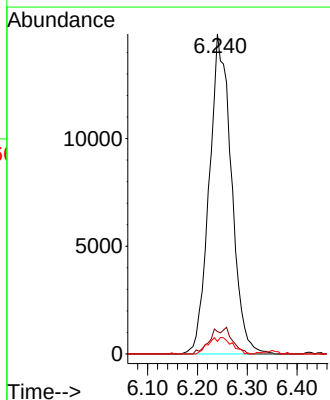
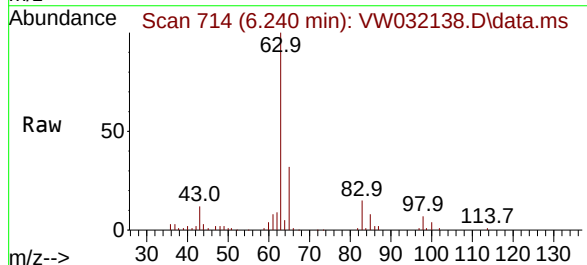
Manual Integrations
APPROVED

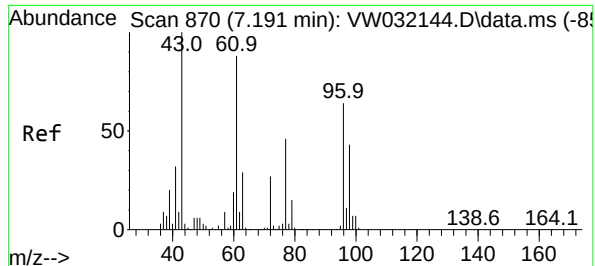
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#24
1,1-Dichloroethane
Concen: 10.127 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 63 Resp: 45759
Ion Ratio Lower Upper
63 100
98 7.0 3.8 11.2
100 3.9 2.5 7.5





#25

2-Butanone

Concen: 49.314 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 45718

Ion Ratio Lower Upper

43 100

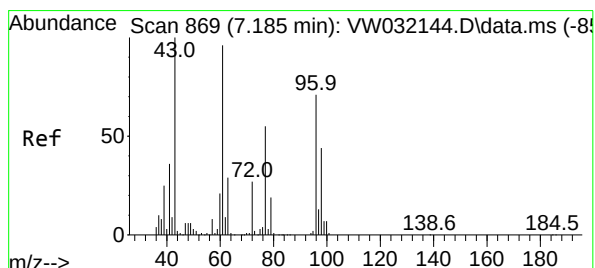
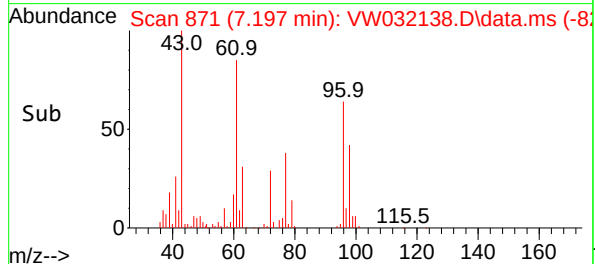
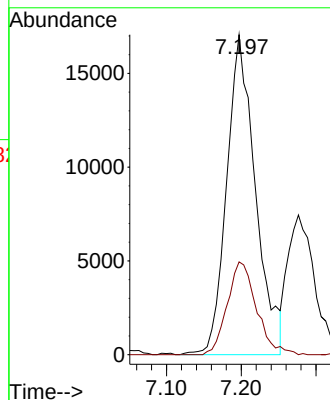
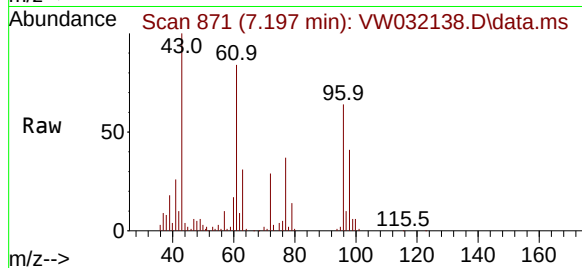
72 29.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 9.902 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032138.D

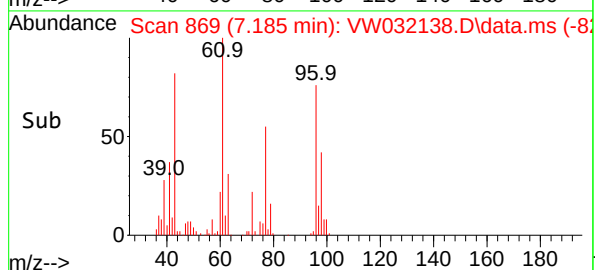
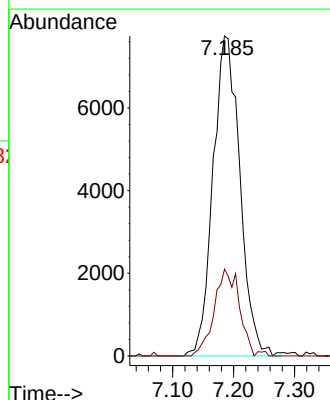
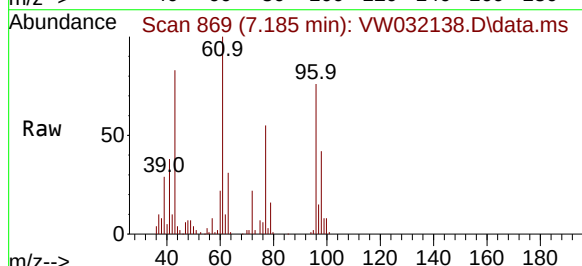
Acq: 26 Aug 2025 10:23

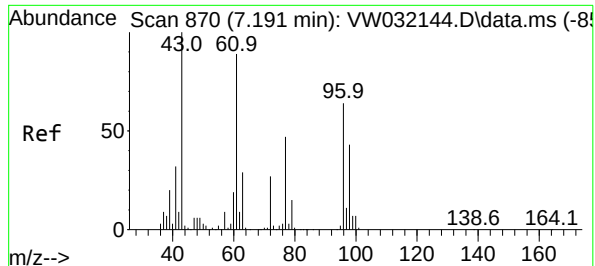
Tgt Ion: 77 Resp: 23694

Ion Ratio Lower Upper

77 100

97 25.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 10.030 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

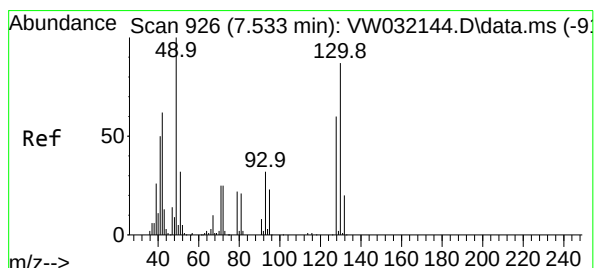
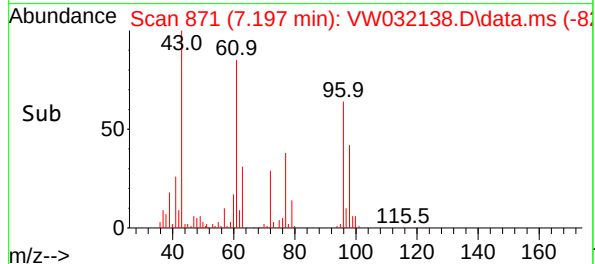
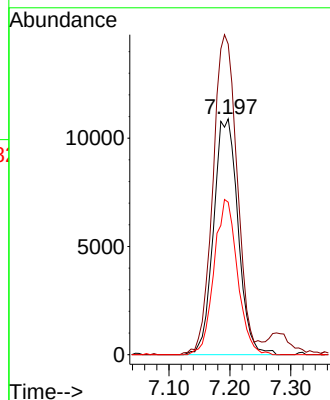
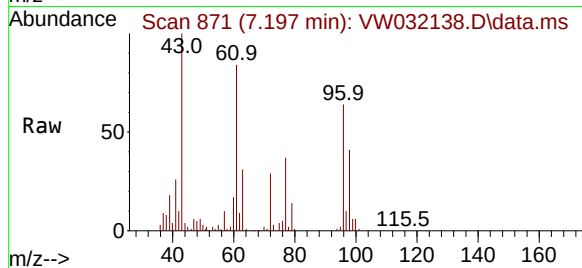
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	30439
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	268.0
98	63.0	0.0	130.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 9.697 ug/l

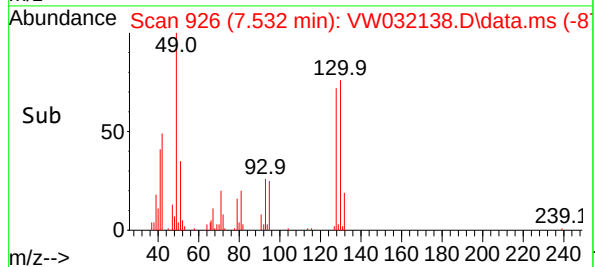
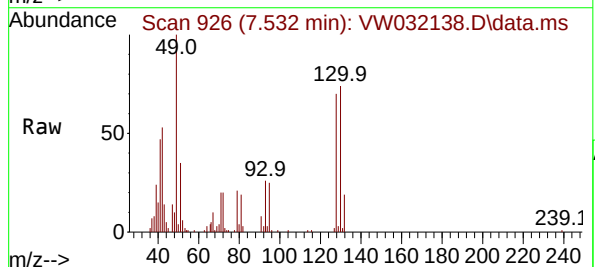
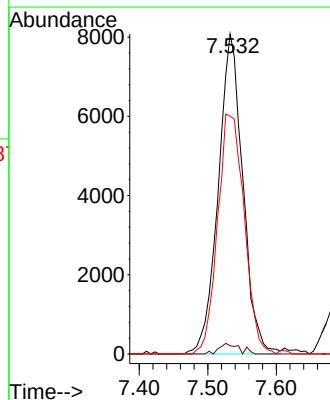
RT: 7.532 min Scan# 926

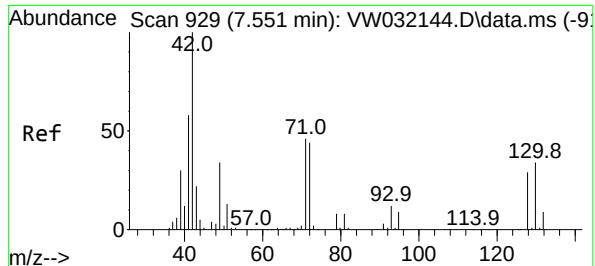
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	49	Resp:	20056
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.2
130	81.2	67.5	101.3





#29

Tetrahydrofuran

Concen: 48.254 ug/l

RT: 7.551 min Scan# 929

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

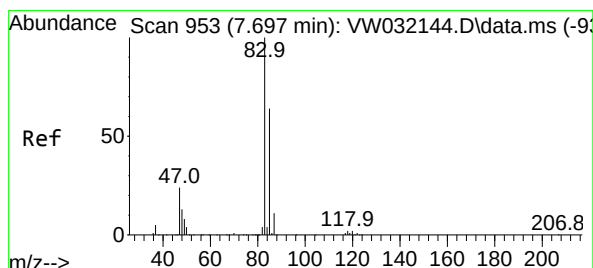
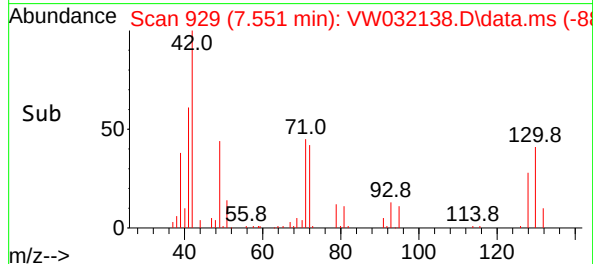
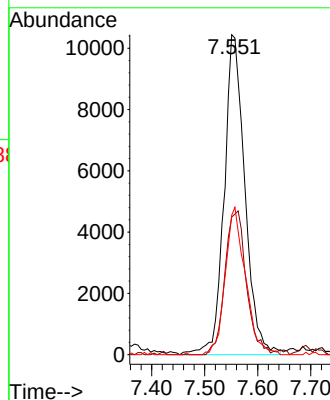
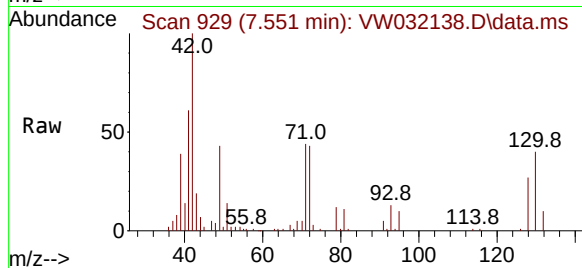
ClientSampleId :

VSTDIC010

Tgt Ion:	42	Resp:	2842
Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.2
71	44.8	36.0	54.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 10.195 ug/l

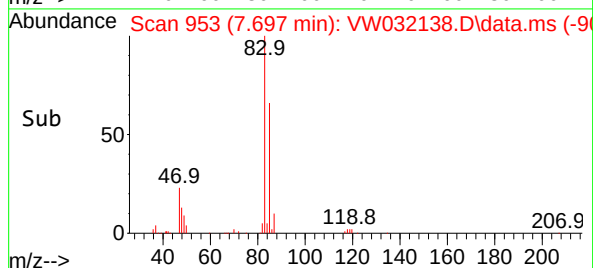
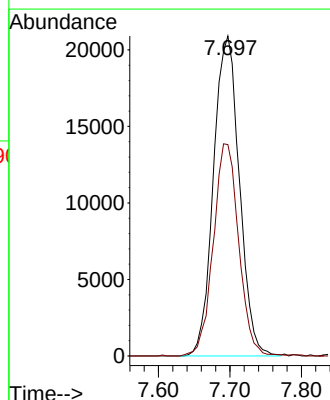
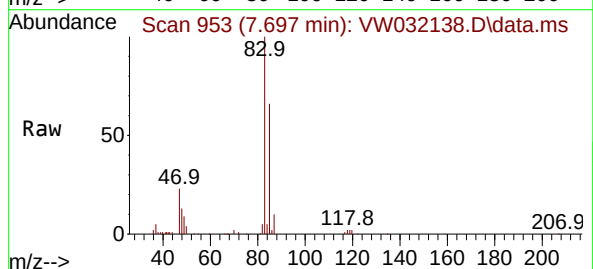
RT: 7.697 min Scan# 953

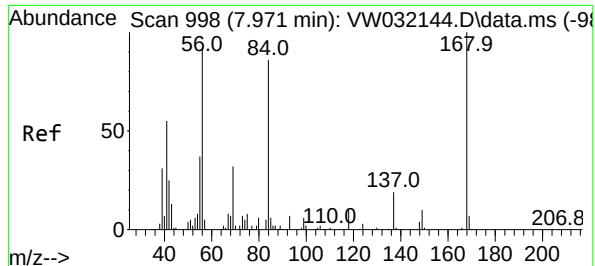
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	83	Resp:	52596
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.2	76.8





#31

Cyclohexane

Concen: 10.590 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW032138.D

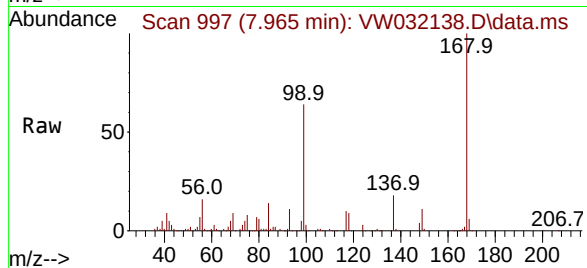
Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

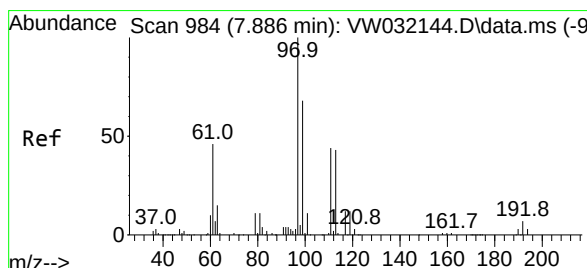
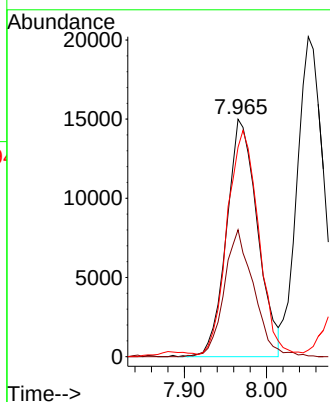
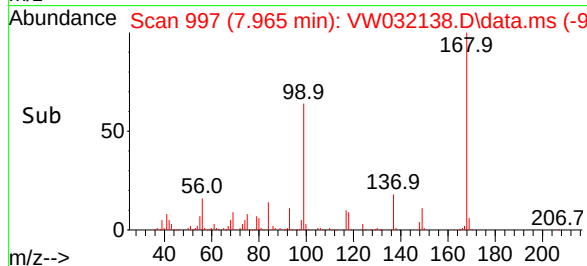
VSTDIC010



Tgt Ion:	56	Resp:	3927
Ion	Ratio	Lower	Upper
56	100		
69	53.4	27.7	41.5
84	86.5	74.6	112.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#32

1,1,1-Trichloroethane

Concen: 10.176 ug/l

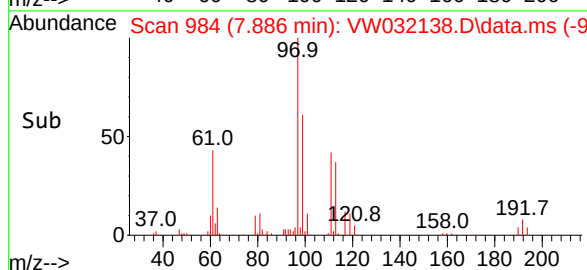
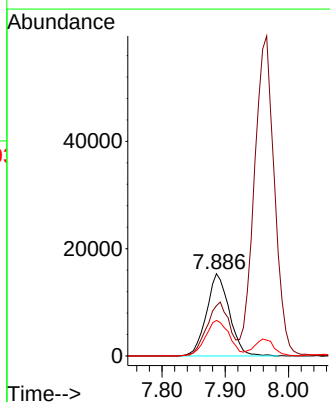
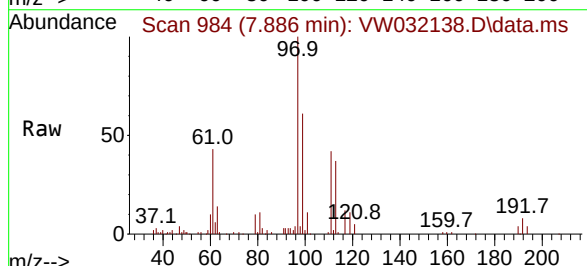
RT: 7.886 min Scan# 984

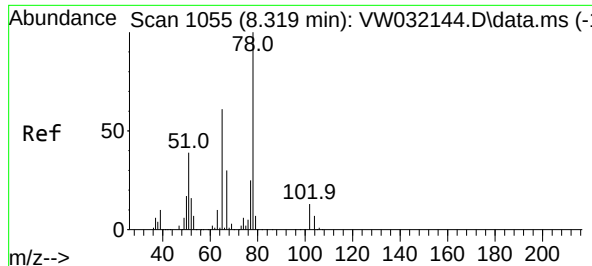
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	97	Resp:	38320
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	45.3	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 10.005 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 3022

Ion Ratio Lower Upper

65 100

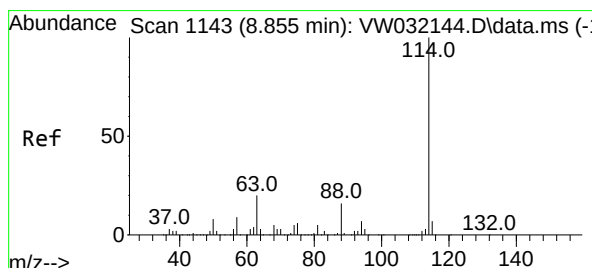
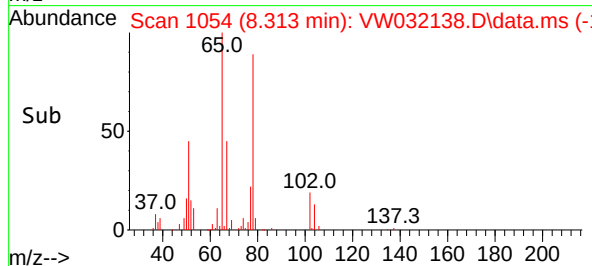
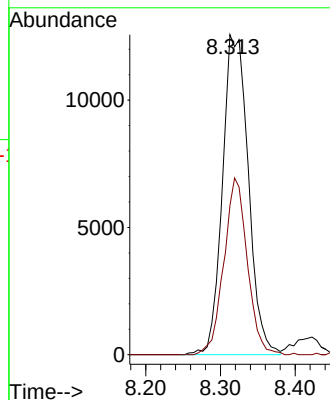
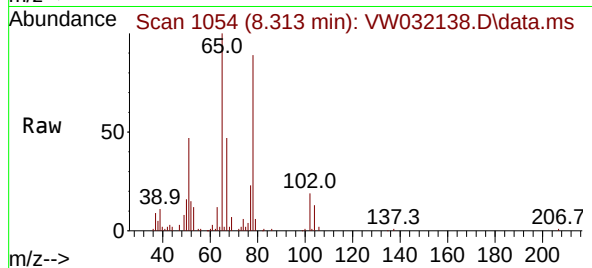
67 50.1 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

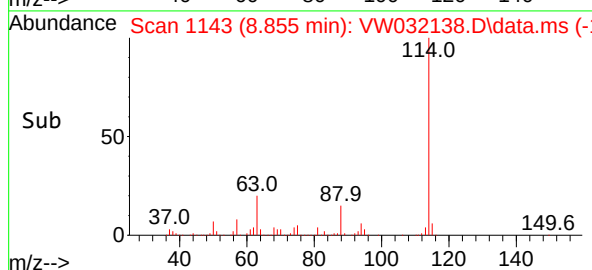
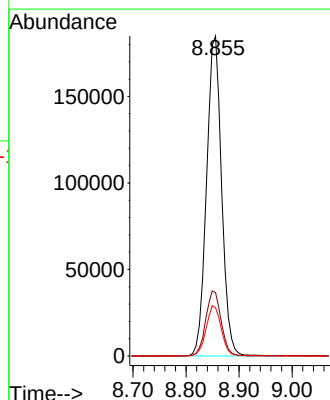
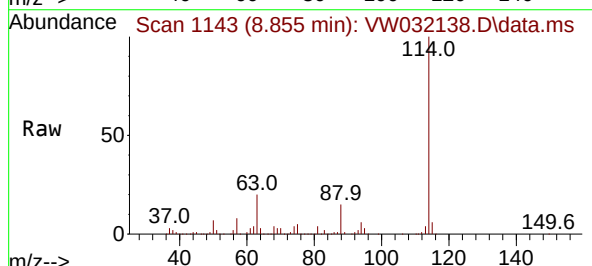
Tgt Ion:114 Resp: 363619

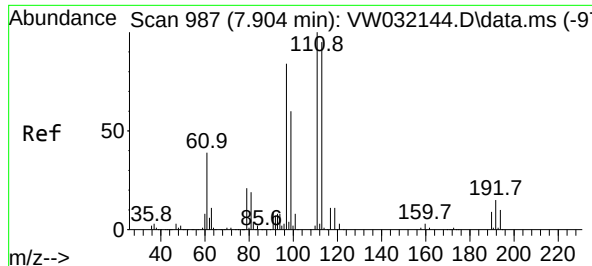
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 9.980 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

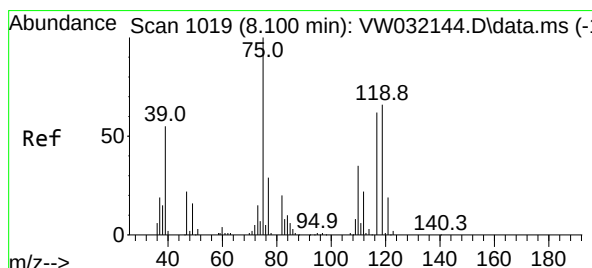
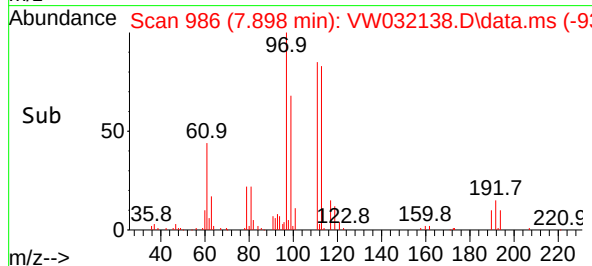
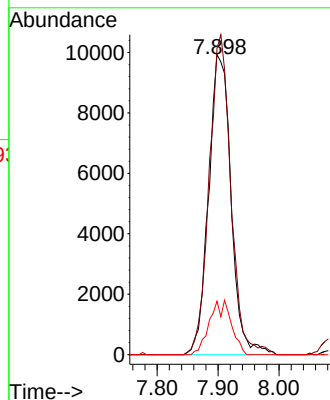
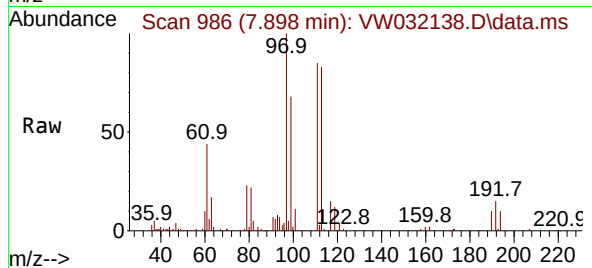
ClientSampleId :

VSTDIC010

Tgt Ion:113	Resp: 25460
Ion Ratio	Lower Upper
113 100	
111 103.0	83.9 125.9
192 17.6	14.6 21.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 10.113 ug/l

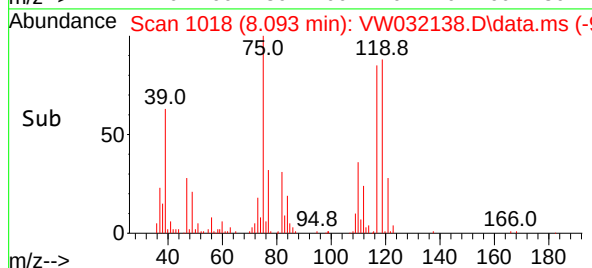
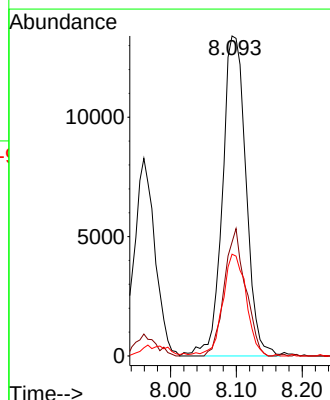
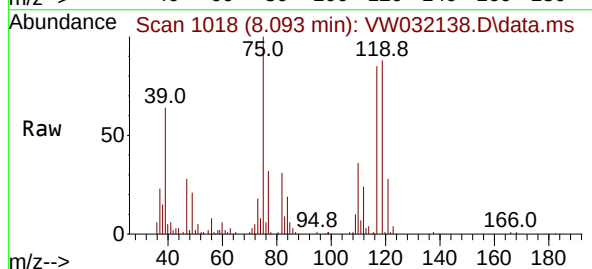
RT: 8.093 min Scan# 1018

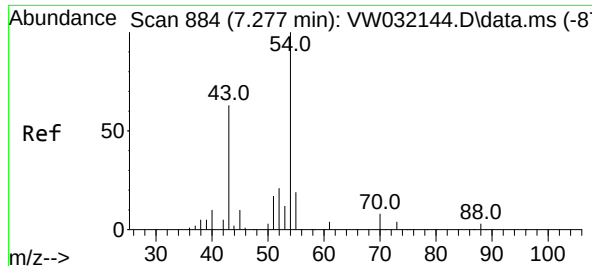
Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion: 75	Resp: 33450
Ion Ratio	Lower Upper
75 100	
110 35.8	17.5 52.5
77 31.7	24.1 36.1





#37

Ethyl Acetate

Concen: 9.636 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

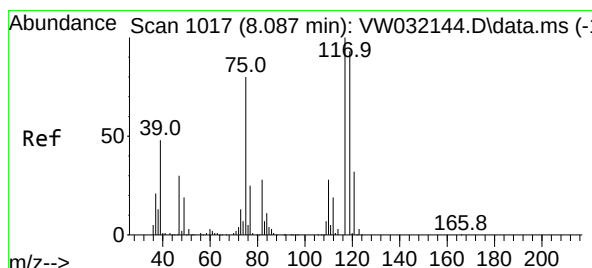
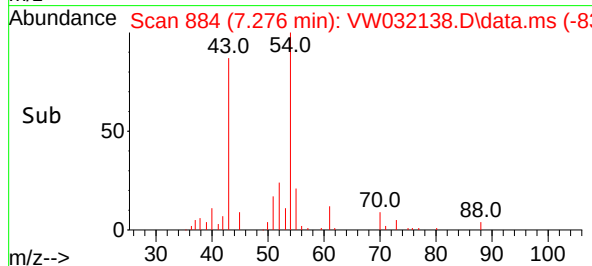
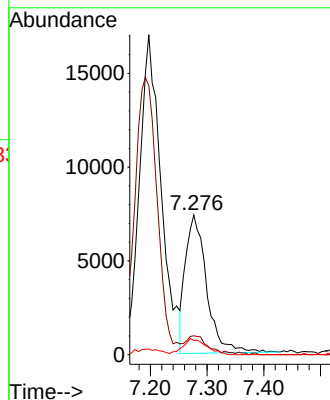
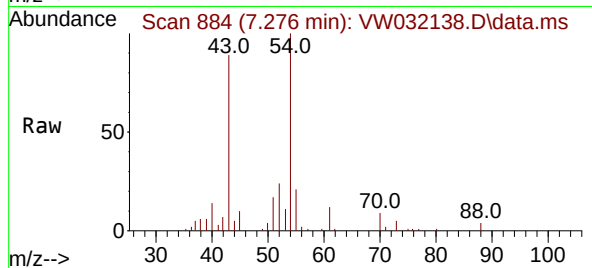
Tgt Ion:	43	Resp:	1912
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	12.6	8.9	13.3

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#38

Carbon Tetrachloride

Concen: 10.029 ug/l

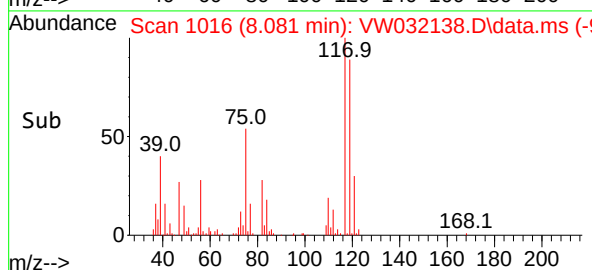
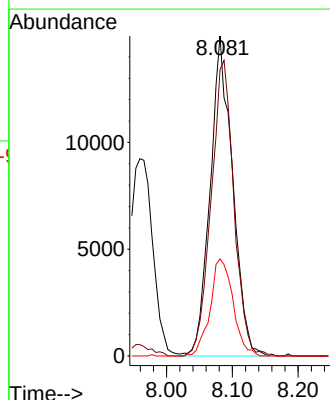
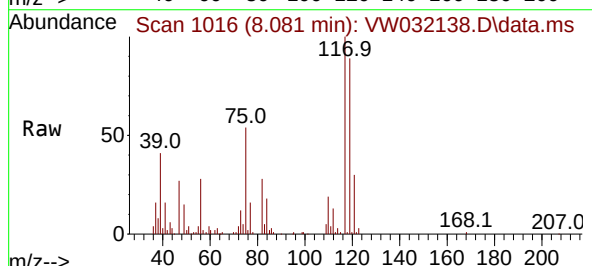
RT: 8.081 min Scan# 1016

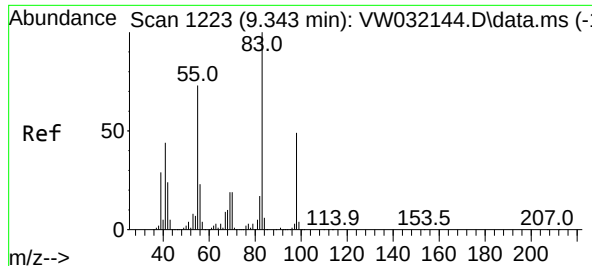
Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	117	Resp:	35561
Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.2	111.2
121	30.3	25.6	38.4





#39

Methylcyclohexane

Concen: 9.748 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

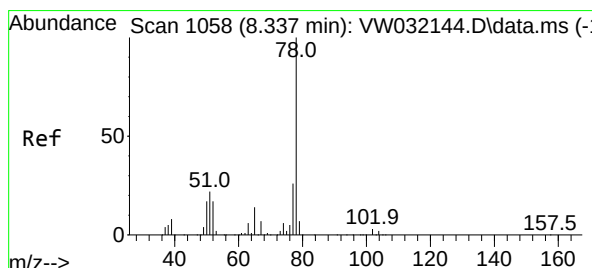
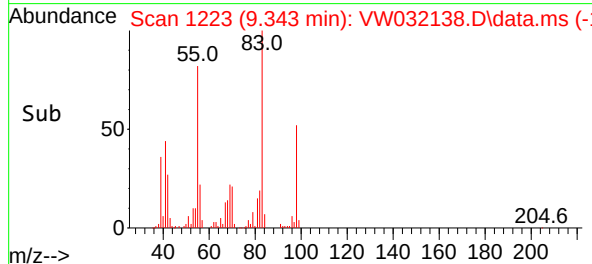
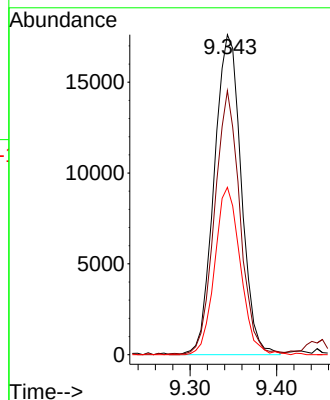
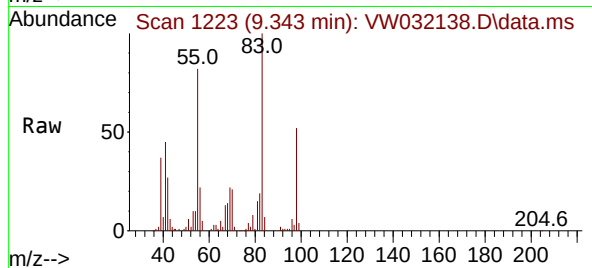
VSTDIC010

Tgt Ion: 83	Resp: 38190
Ion Ratio	Lower Upper
83	100
55	82.2 58.4 87.6
98	52.3 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 10.107 ug/l

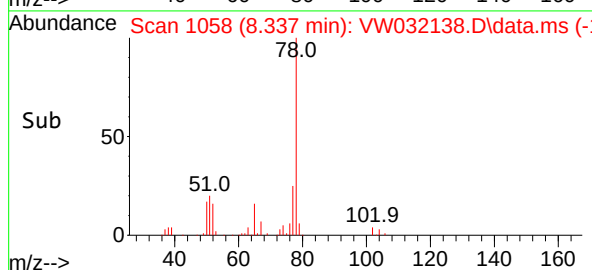
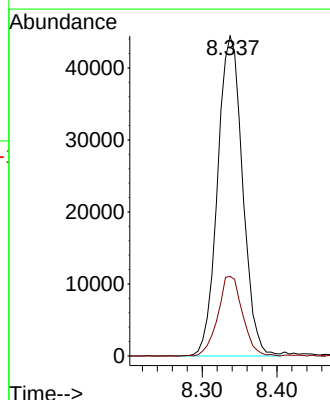
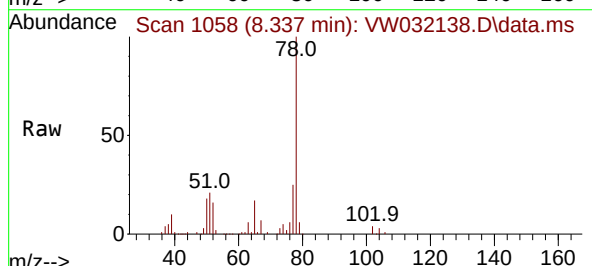
RT: 8.337 min Scan# 1058

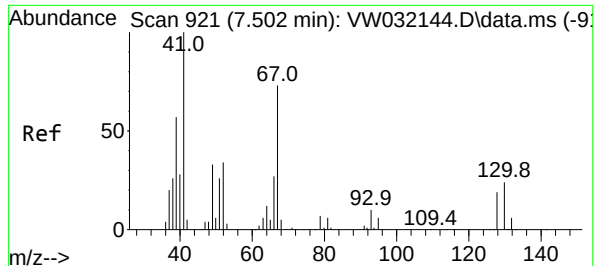
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion: 78	Resp: 103343
Ion Ratio	Lower Upper
78	100
77	24.8 20.7 31.1





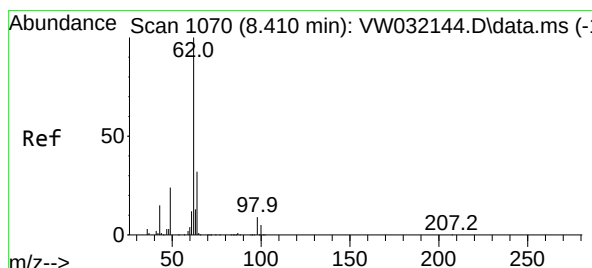
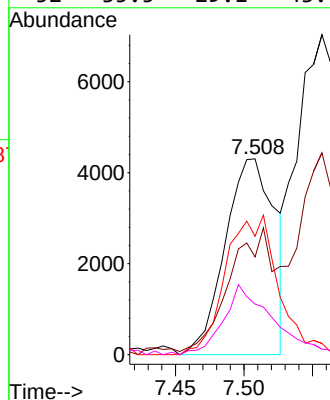
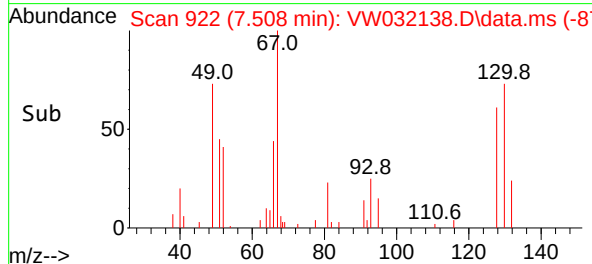
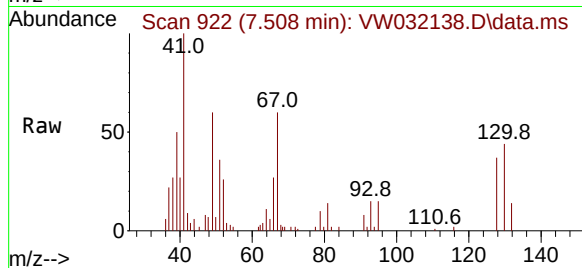
#41
Methacrylonitrile
Concen: 9.834 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:	41	Resp:	1084
Ion Ratio	Lower	Upper	
41	100		
39	57.3	50.9	76.3
67	75.3	65.6	98.4
52	35.5	29.1	43.7

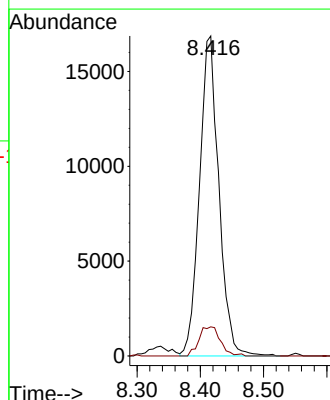
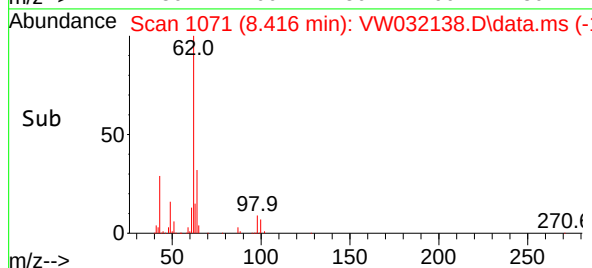
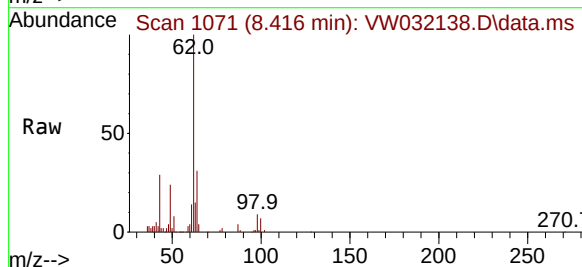
Manual Integrations
APPROVED

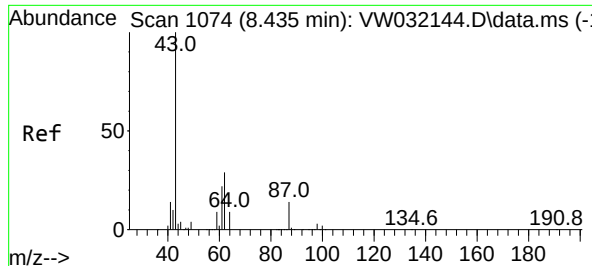
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 10.144 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion:	62	Resp:	35957
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	18.0





#43

Isopropyl Acetate

Concen: 9.528 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW032138.D

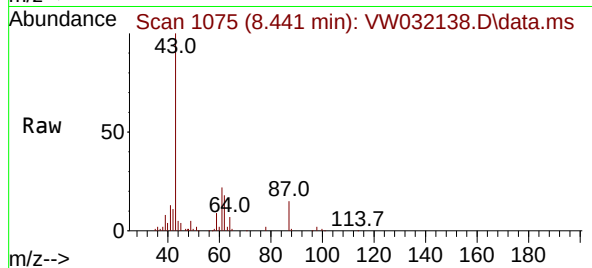
Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

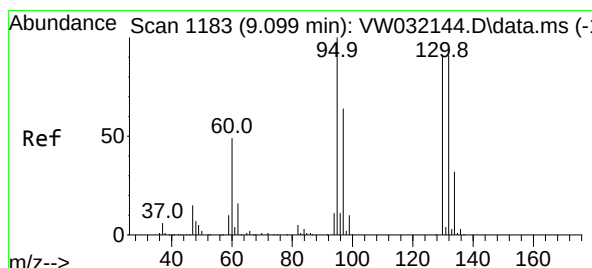
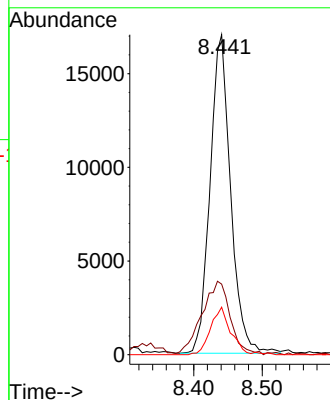
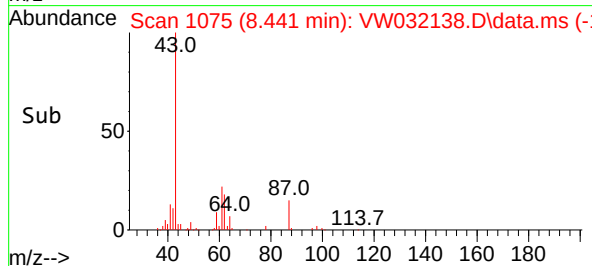
VSTDIC010



Tgt Ion: 43	Resp: 35470
Ion Ratio	Lower Upper
43	100
61	31.7 23.3 34.9
87	14.5 11.1 16.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44

Trichloroethene

Concen: 10.156 ug/l

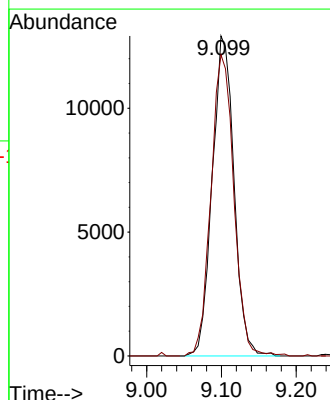
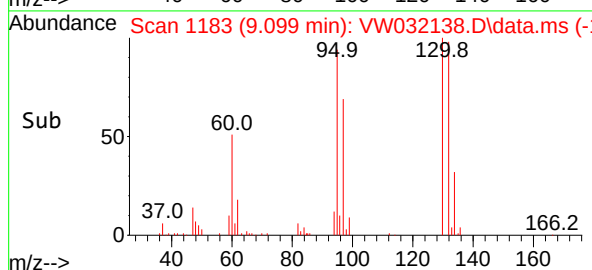
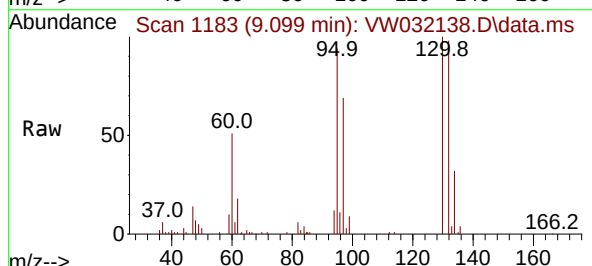
RT: 9.099 min Scan# 1183

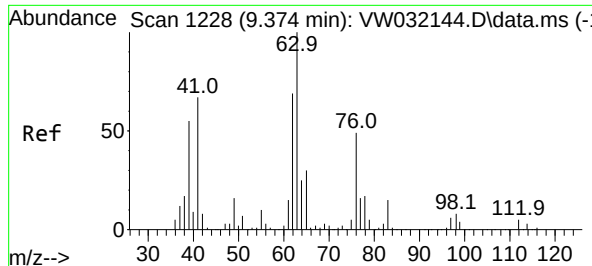
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:130	Resp: 26114
Ion Ratio	Lower Upper
130	100
95	94.1 0.0 220.0





#45

1,2-Dichloropropane

Concen: 10.162 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2504

Ion Ratio Lower Upper

63 100

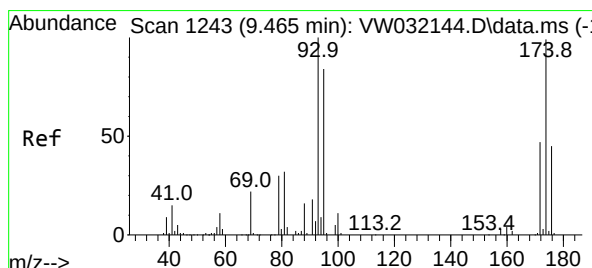
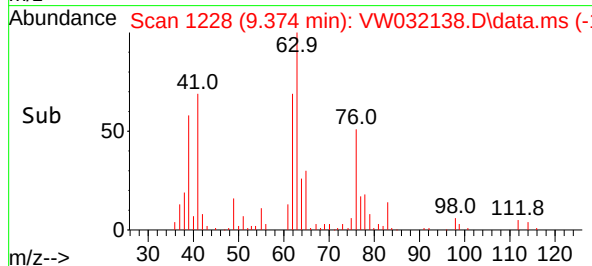
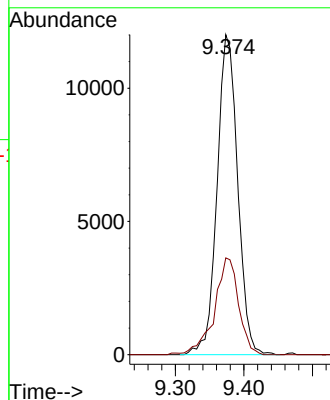
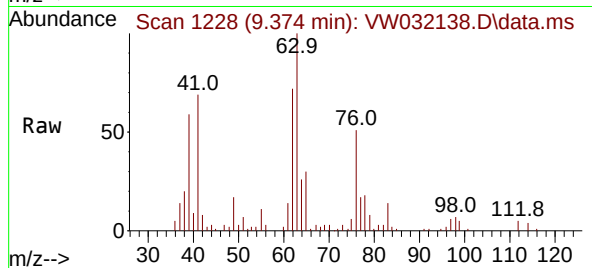
65 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 10.408 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

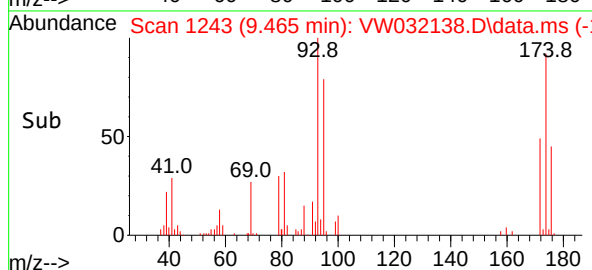
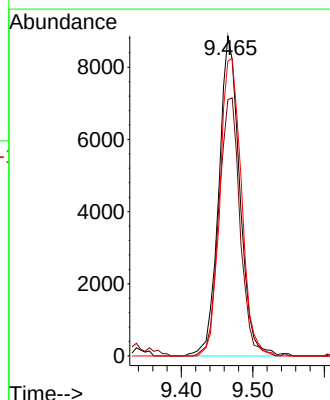
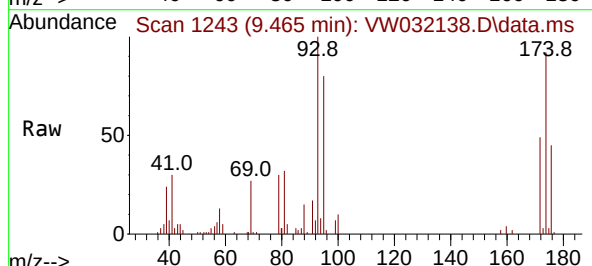
Tgt Ion: 93 Resp: 17993

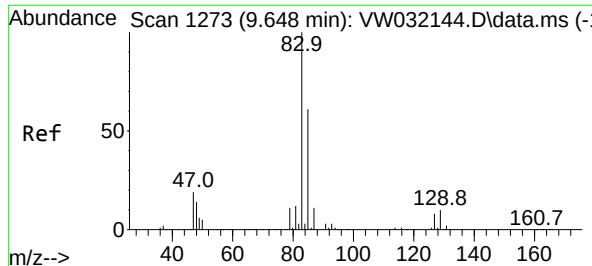
Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.2

174 95.5 75.7 113.5





#47

Bromodichloromethane

Concen: 9.928 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

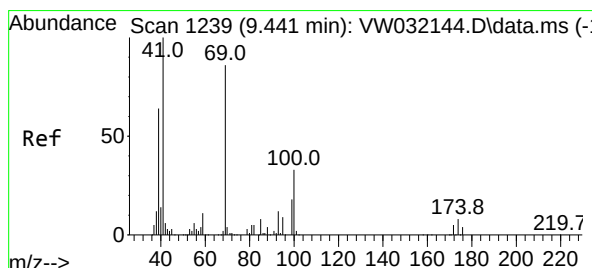
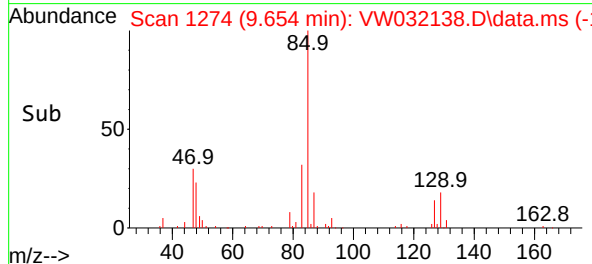
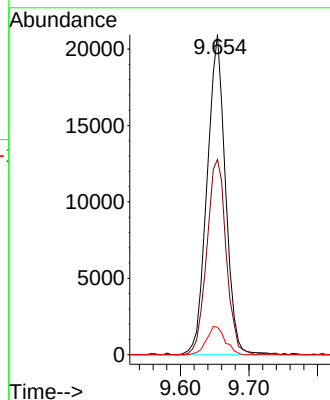
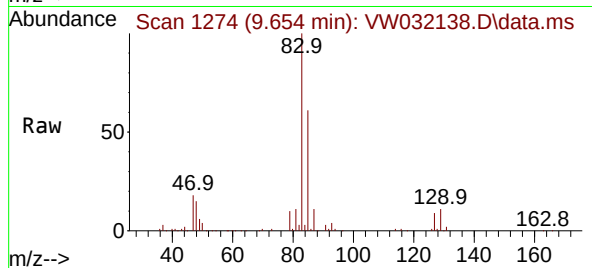
VSTDIC010

Tgt Ion:	83	Resp:	3900
Ion	Ratio	Lower	Upper
83	100		
85	61.0	48.7	73.1
127	8.6	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48

Methyl methacrylate

Concen: 9.026 ug/l

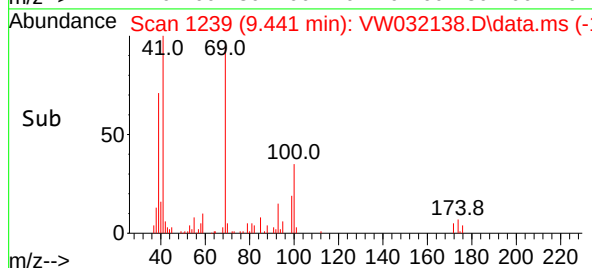
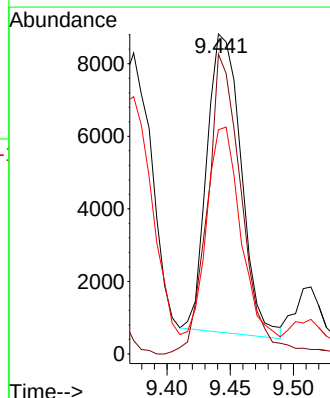
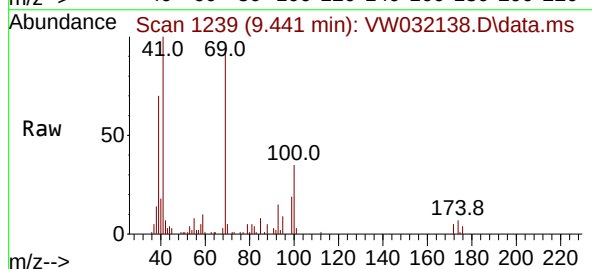
RT: 9.441 min Scan# 1239

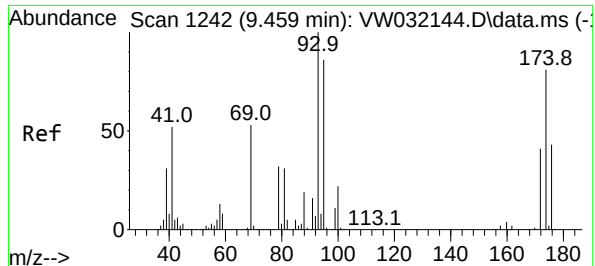
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	41	Resp:	15484
Ion	Ratio	Lower	Upper
41	100		
69	100.6	71.5	107.3
39	80.2	55.9	83.9





#49

1,4-Dioxane

Concen: 164.547 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

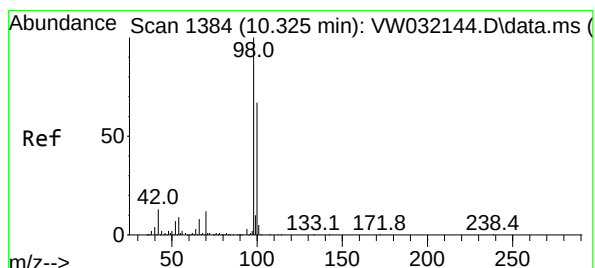
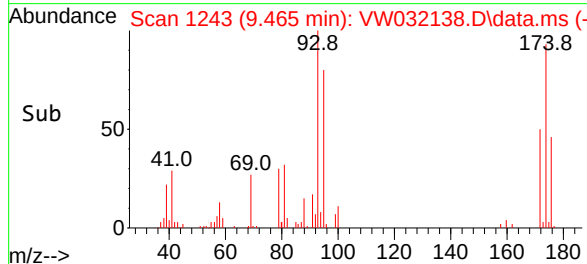
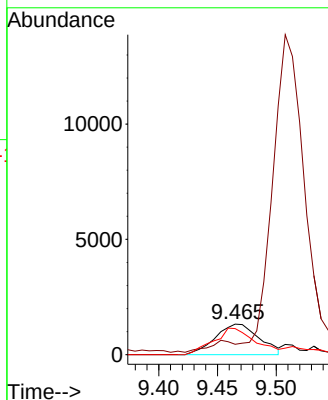
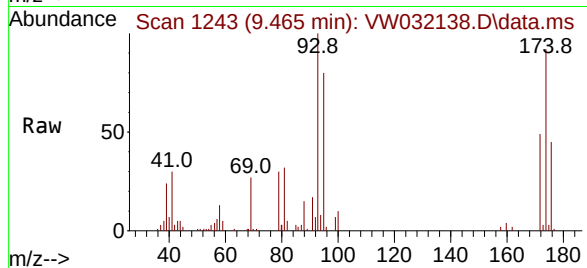
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion	88	Resp:	343
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0
58	81.7	55.4	83.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#50

Toluene-d8

Concen: 9.864 ug/l

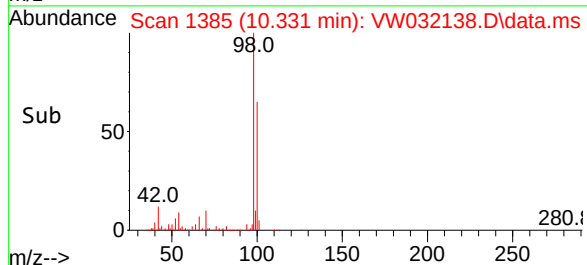
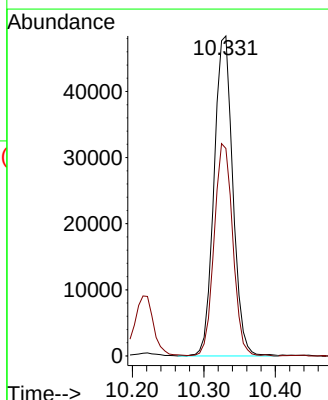
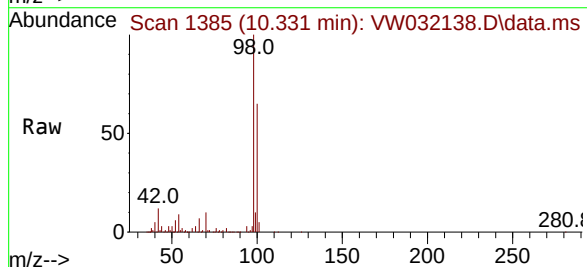
RT: 10.331 min Scan# 1385

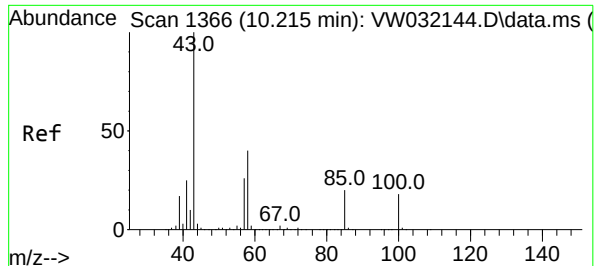
Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

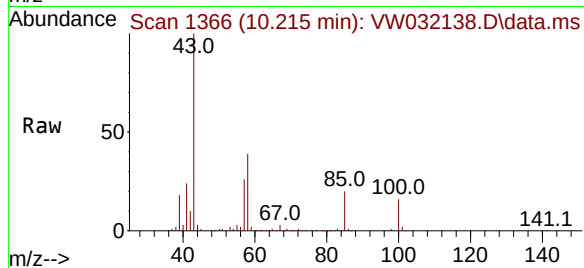
Tgt Ion	98	Resp:	88342
Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 48.302 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

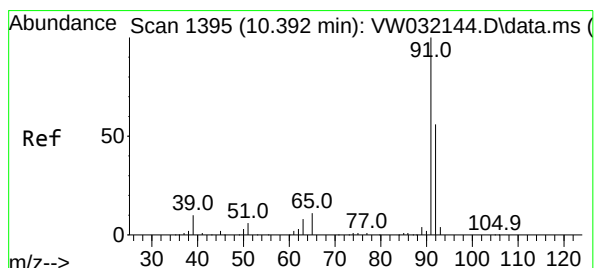
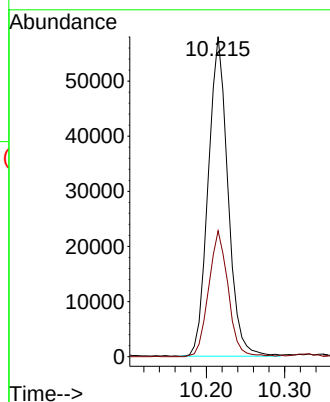
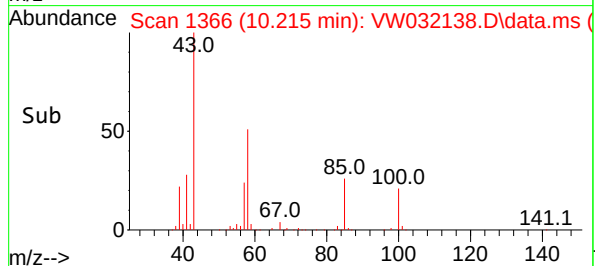
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 101528
Ion Ratio Lower Upper
43 100
58 38.9 32.0 48.0

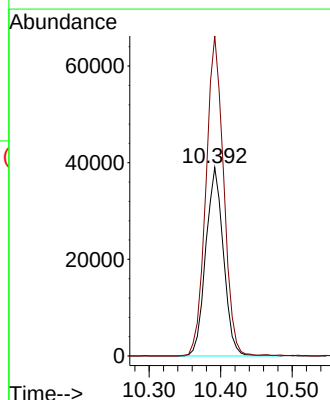
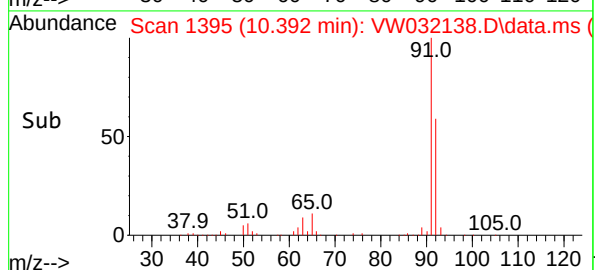
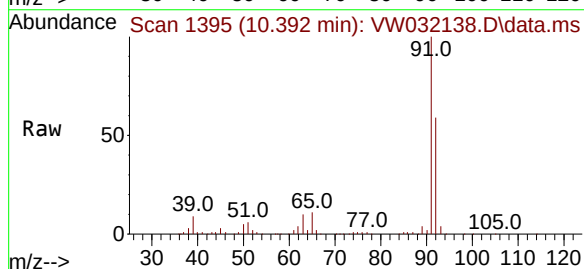
Manual Integrations
APPROVED

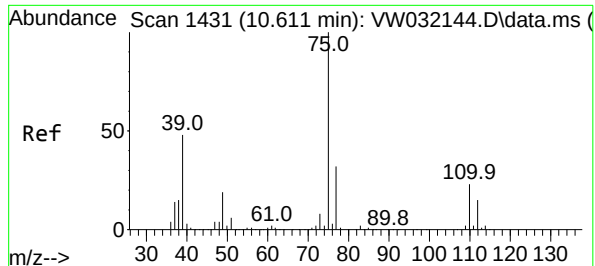
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 10.012 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

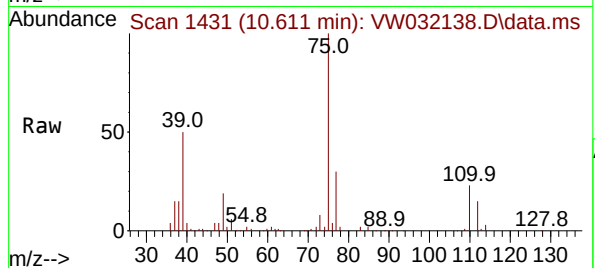
Tgt Ion: 92 Resp: 66895
Ion Ratio Lower Upper
92 100
91 170.1 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 9.366 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

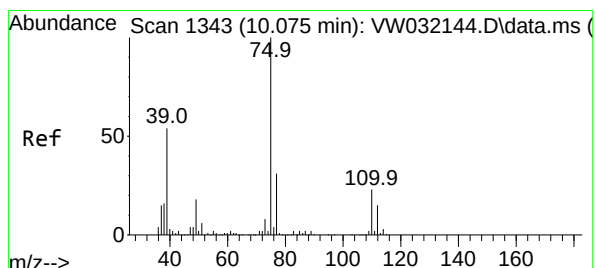
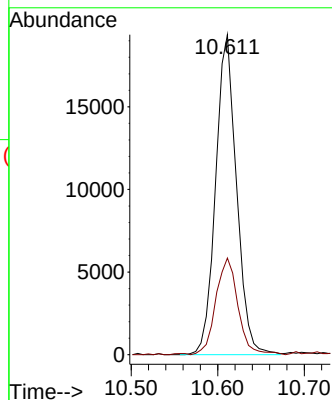
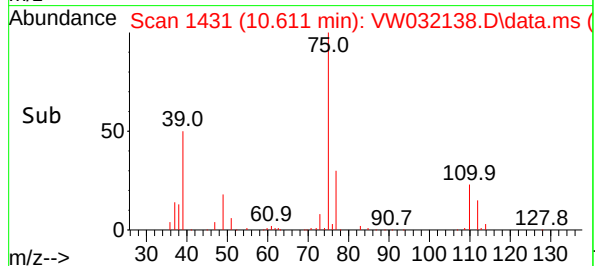
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 3246
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4

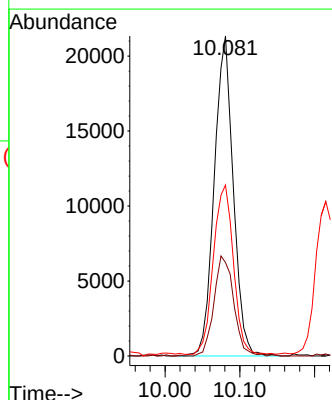
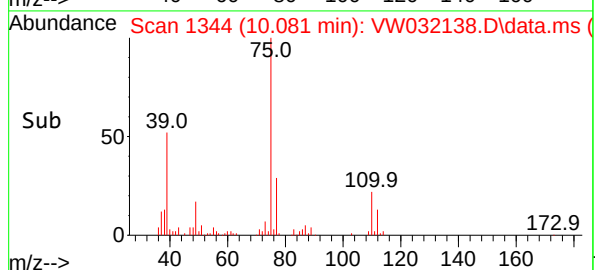
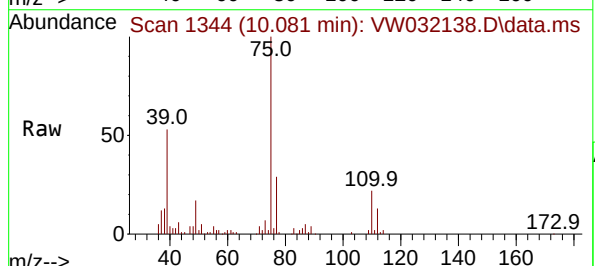
Manual Integrations
APPROVED

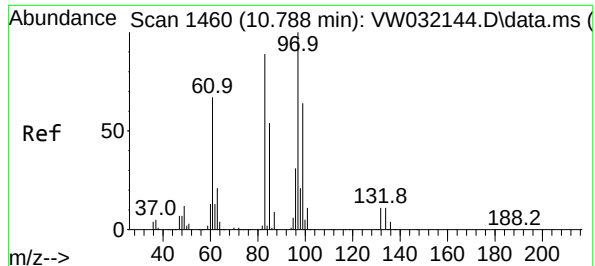
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#54
cis-1,3-Dichloropropene
Concen: 9.547 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 75 Resp: 37752
Ion Ratio Lower Upper
75 100
77 29.2 25.1 37.7
39 52.7 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 10.143 ug/l

RT: 10.794 min Scan# 1461

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 2280

Ion Ratio Lower Upper

97 100

83 84.8 71.0 106.6

85 57.8 42.8 64.2

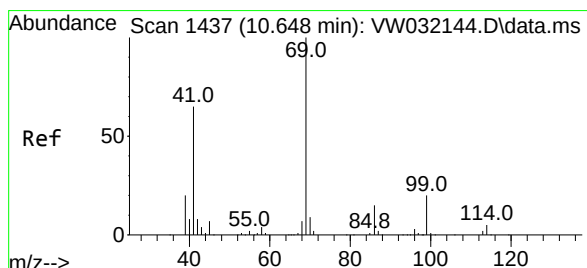
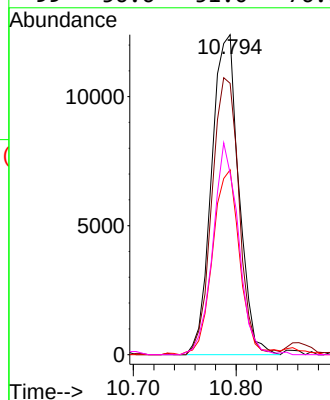
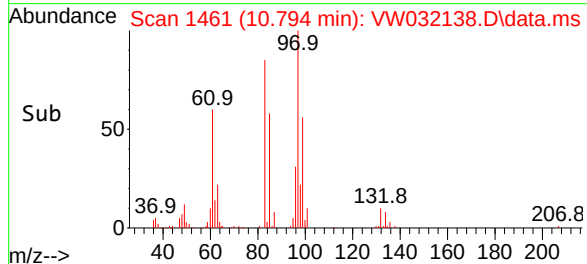
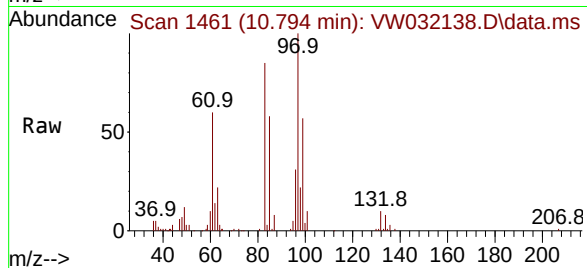
99 56.6 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 9.259 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

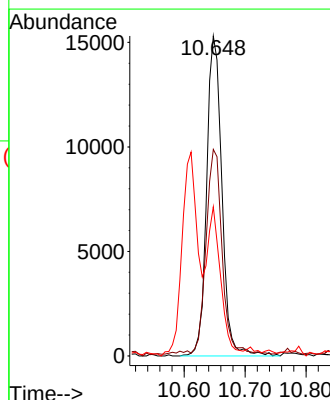
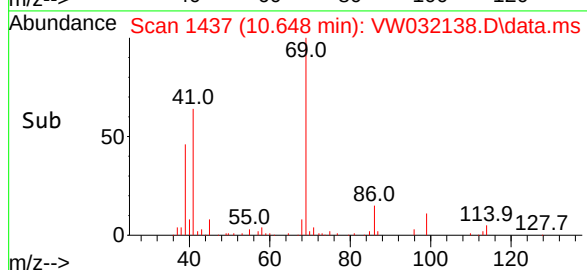
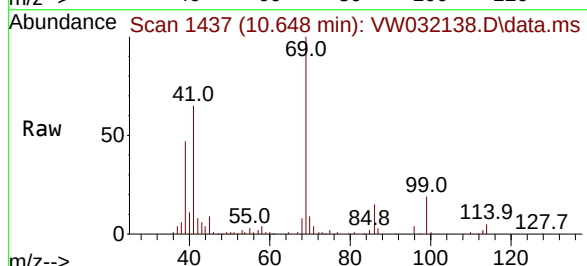
Tgt Ion: 69 Resp: 26610

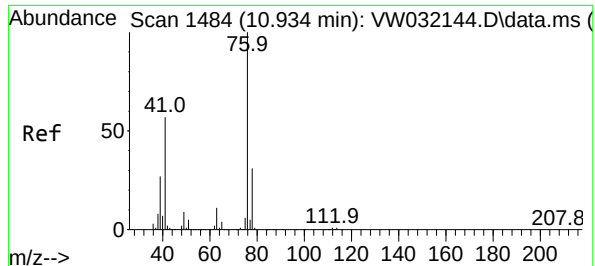
Ion Ratio Lower Upper

69 100

41 69.2 53.2 79.8

39 39.9 32.9 49.3





#57

1,3-Dichloropropane

Concen: 10.119 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 38090

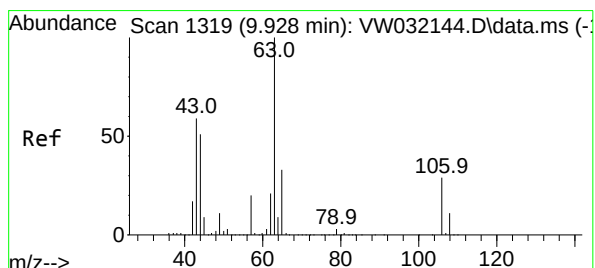
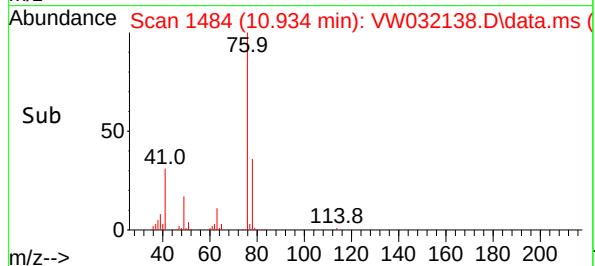
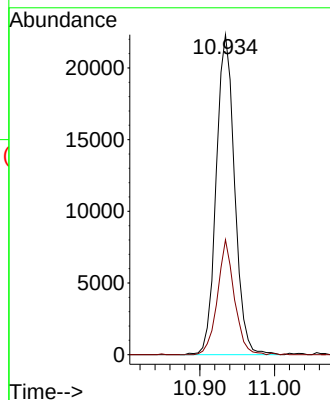
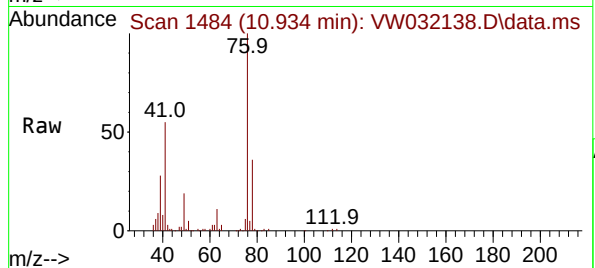
Ion Ratio Lower Upper

76 100

78 33.0 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#58

2-Chloroethyl Vinyl ether

Concen: 48.041 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032138.D

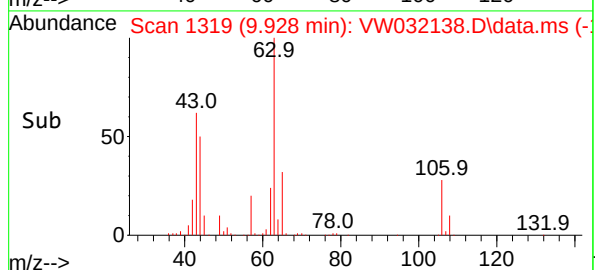
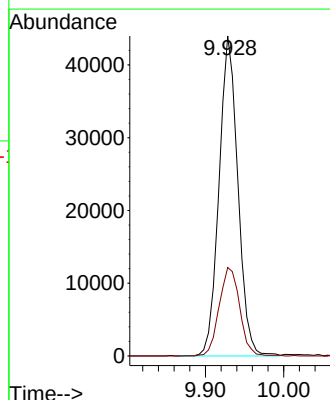
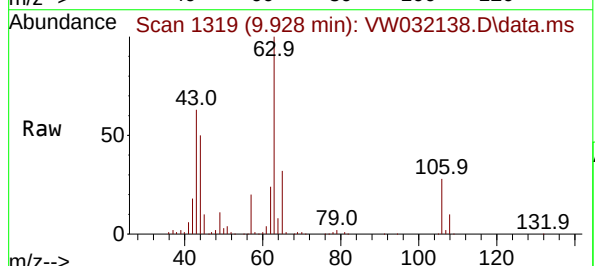
Acq: 26 Aug 2025 10:23

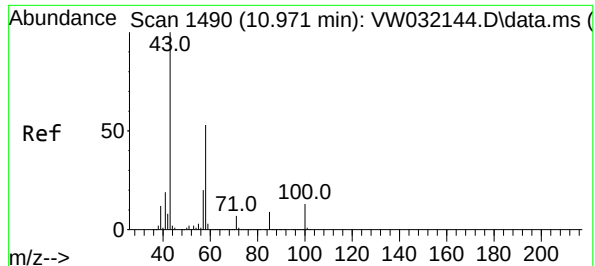
Tgt Ion: 63 Resp: 73697

Ion Ratio Lower Upper

63 100

106 30.1 24.3 36.5





#59

2-Hexanone

Concen: 46.989 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 68690

Ion Ratio Lower Upper

43 100

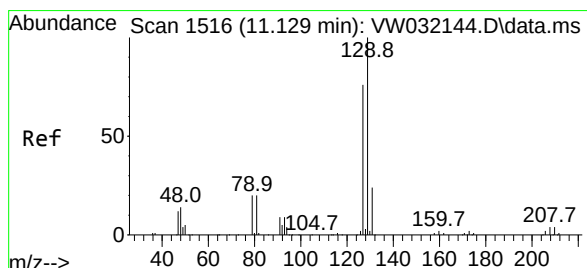
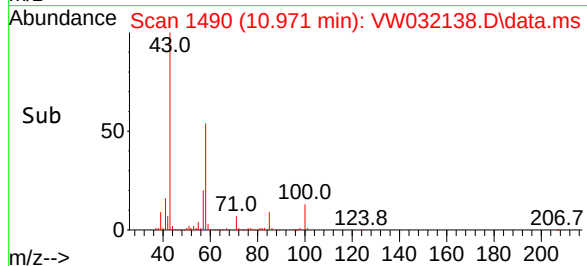
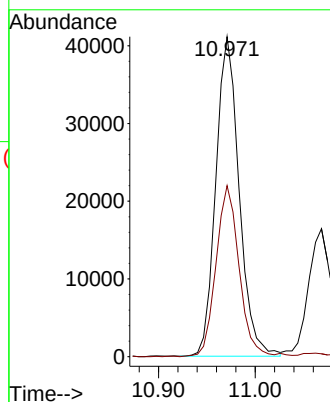
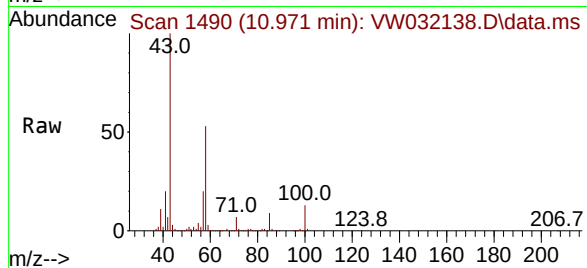
58 52.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 9.626 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032138.D

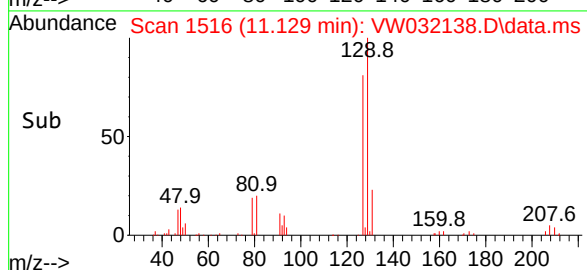
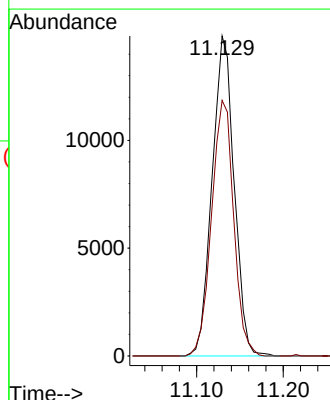
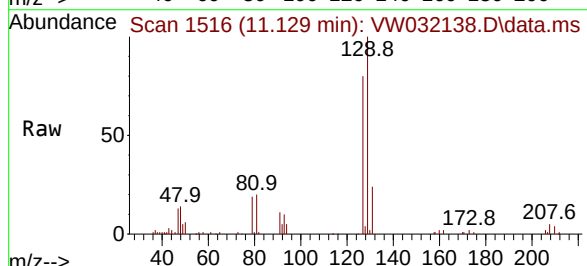
Acq: 26 Aug 2025 10:23

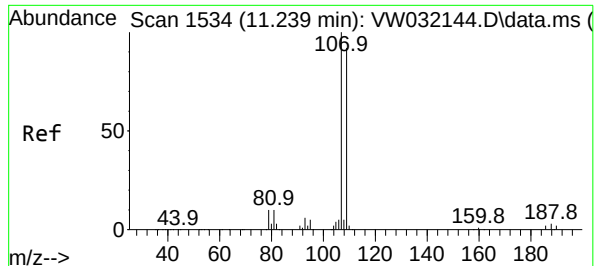
Tgt Ion:129 Resp: 26185

Ion Ratio Lower Upper

129 100

127 80.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 10.151 ug/l

RT: 11.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:107 Resp: 2244

Ion Ratio Lower Upper

107 100

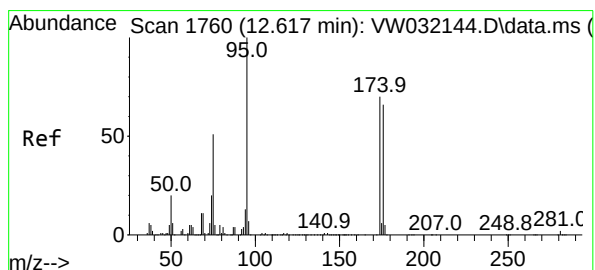
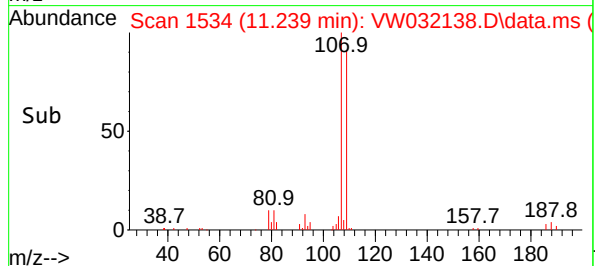
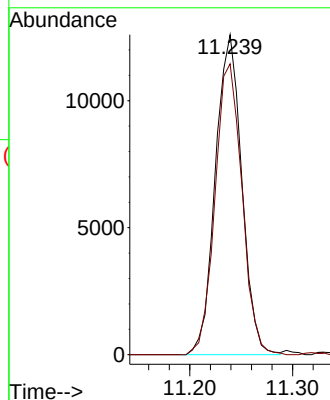
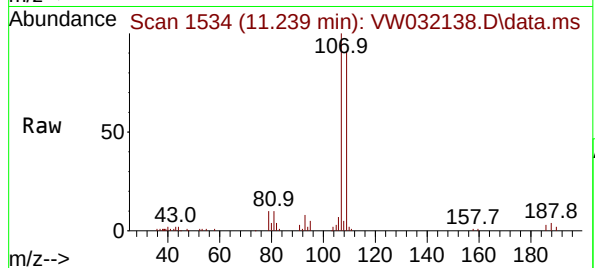
109 92.9 74.5 111.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#62

4-Bromofluorobenzene

Concen: 9.461 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

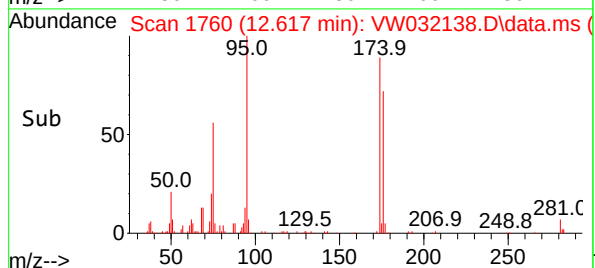
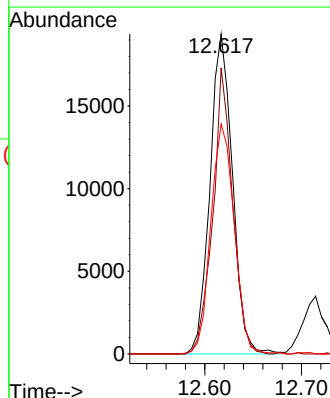
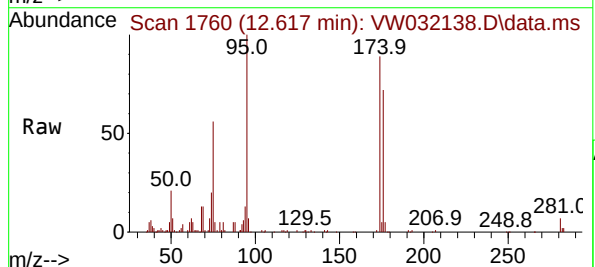
Tgt Ion: 95 Resp: 31333

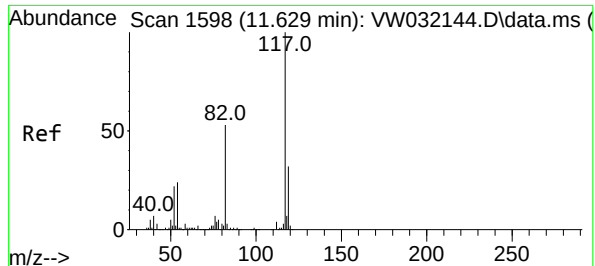
Ion Ratio Lower Upper

95 100

174 78.6 0.0 145.6

176 74.8 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 338420

Ion Ratio Lower Upper

117 100

82 55.1 42.7 64.1

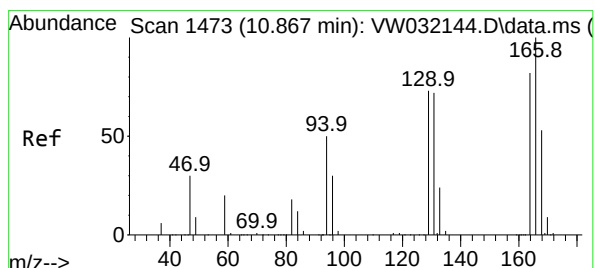
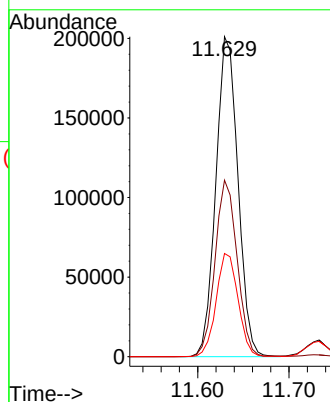
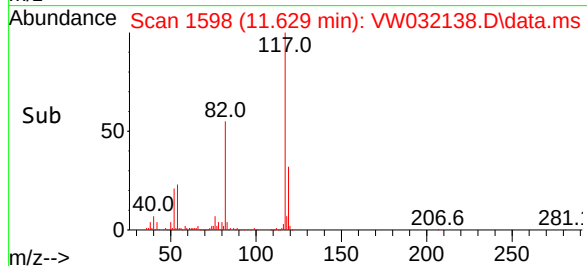
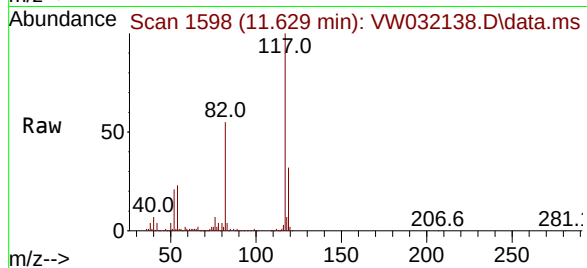
119 32.2 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#64

Tetrachloroethene

Concen: 10.095 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:164 Resp: 22486

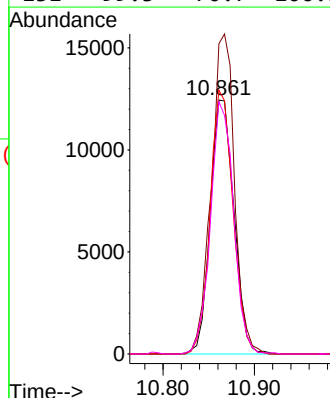
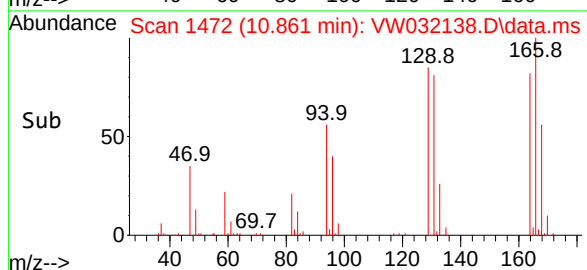
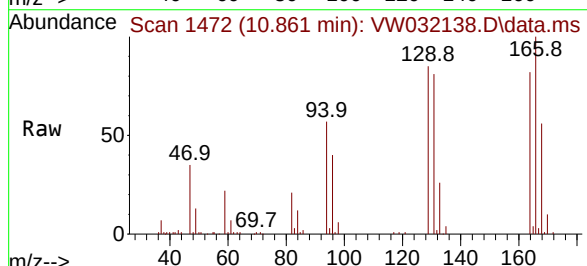
Ion Ratio Lower Upper

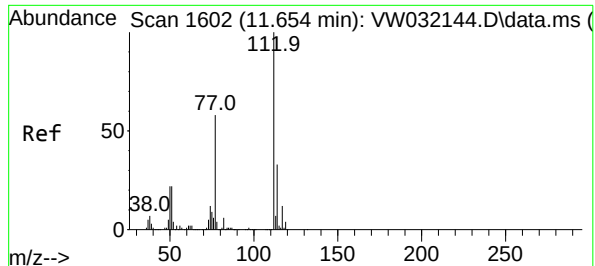
164 100

166 122.2 97.5 146.3

129 103.8 71.2 106.8

131 99.3 70.7 106.1





#65

Chlorobenzene

Concen: 9.948 ug/l

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 76630

Ion Ratio Lower Upper

112 100

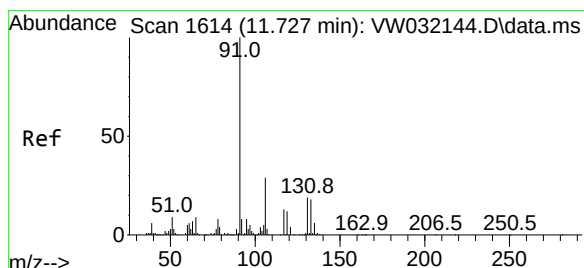
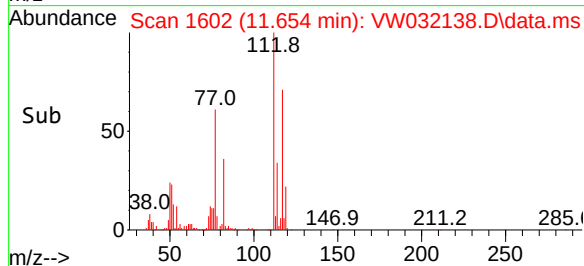
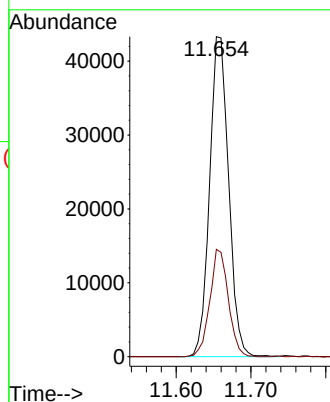
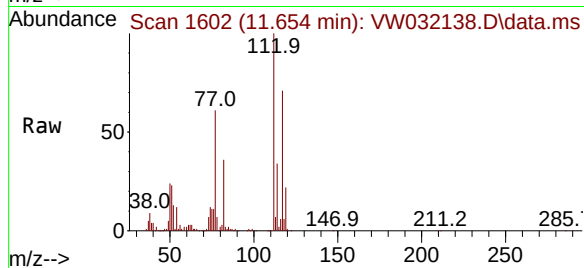
114 33.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 10.127 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

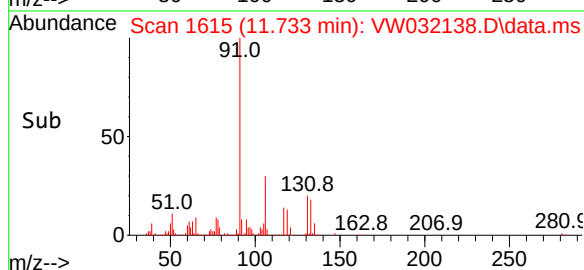
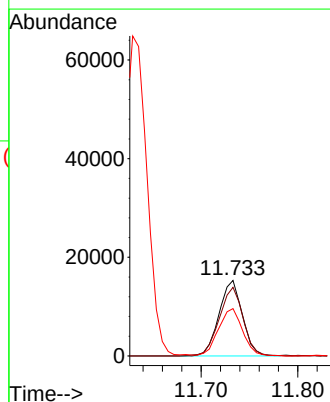
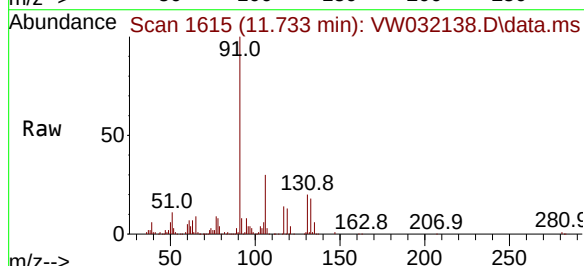
Tgt Ion:131 Resp: 25682

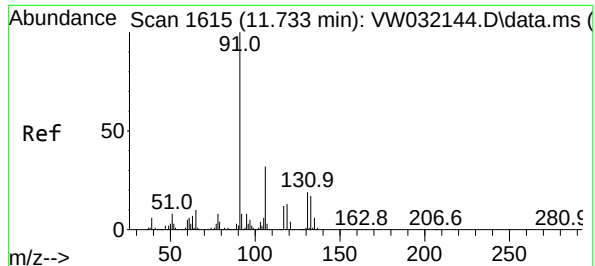
Ion Ratio Lower Upper

131 100

133 92.7 47.7 143.1

119 65.0 32.8 98.3





#67

Ethyl Benzene

Concen: 9.775 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 123370

Ion Ratio Lower Upper

91 100

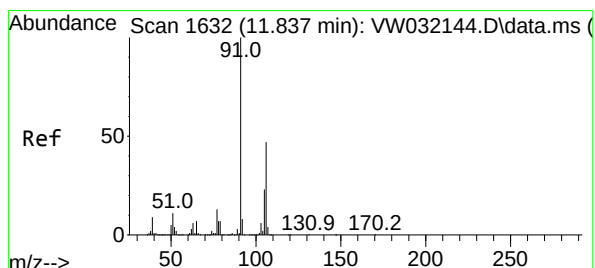
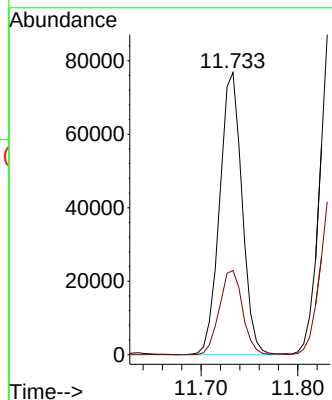
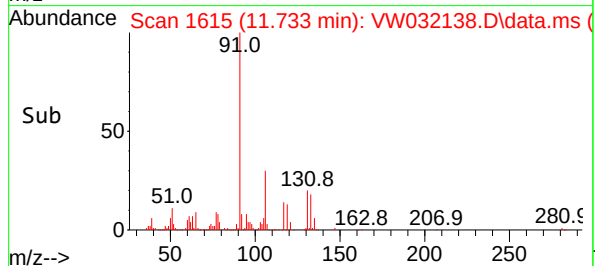
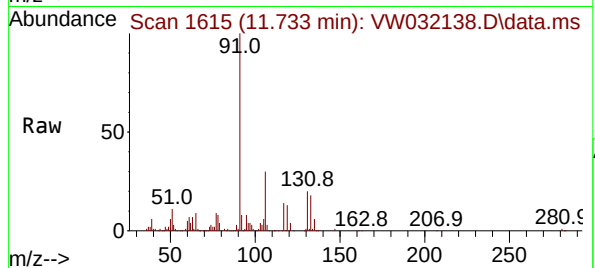
106 29.8 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 19.521 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW032138.D

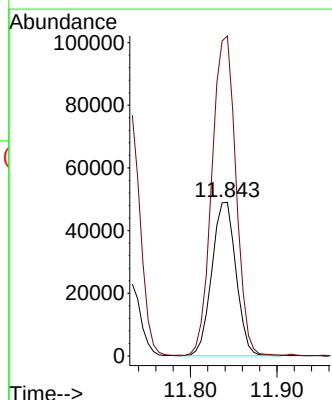
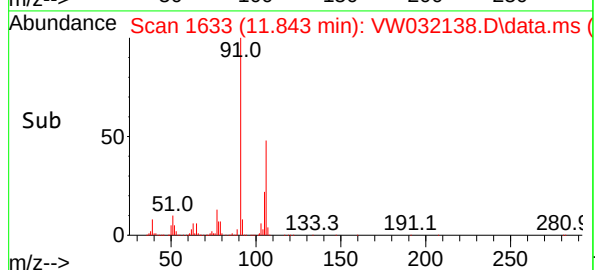
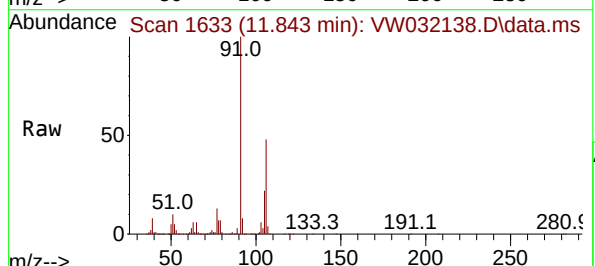
Acq: 26 Aug 2025 10:23

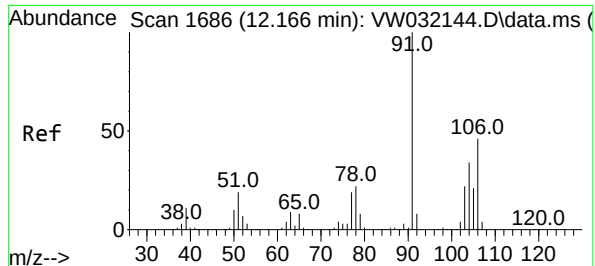
Tgt Ion:106 Resp: 94822

Ion Ratio Lower Upper

106 100

91 207.1 164.2 246.2





#69

o-Xylene

Concen: 9.709 ug/l

RT: 12.166 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:106 Resp: 44610

Ion Ratio Lower Upper

106 100

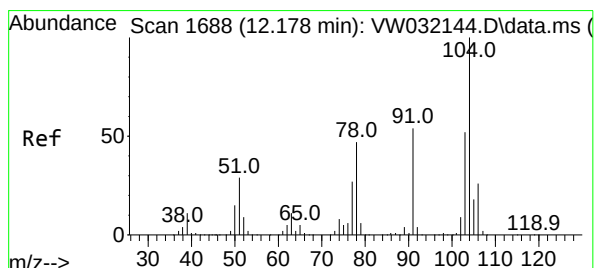
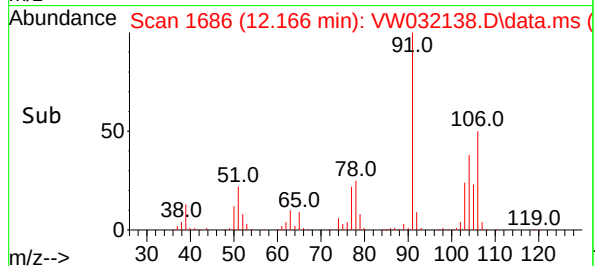
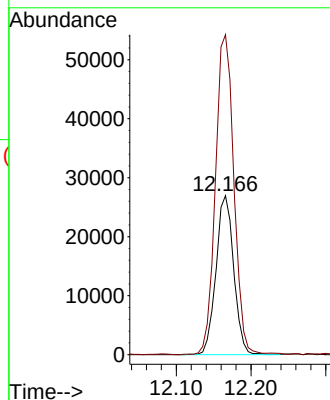
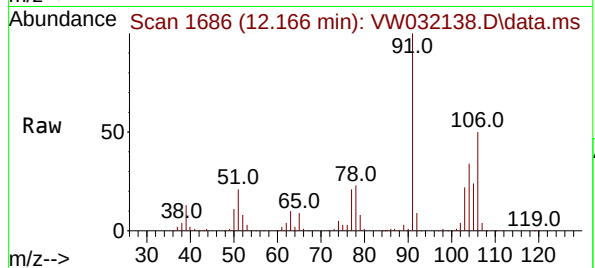
91 209.3 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 9.692 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

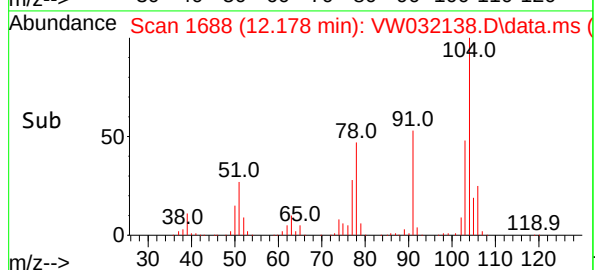
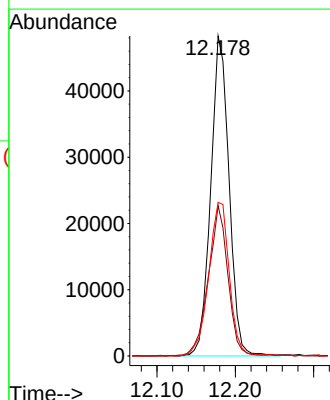
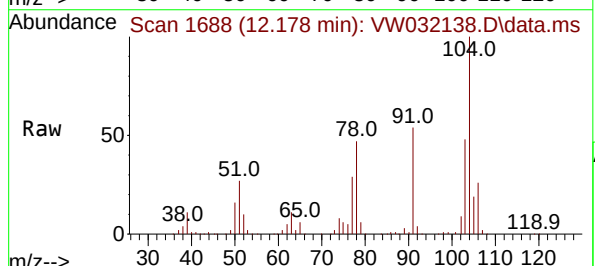
Tgt Ion:104 Resp: 78501

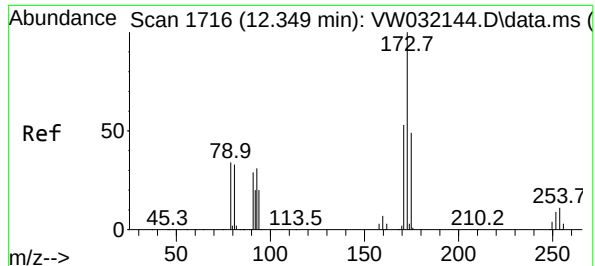
Ion Ratio Lower Upper

104 100

78 50.6 41.6 62.4

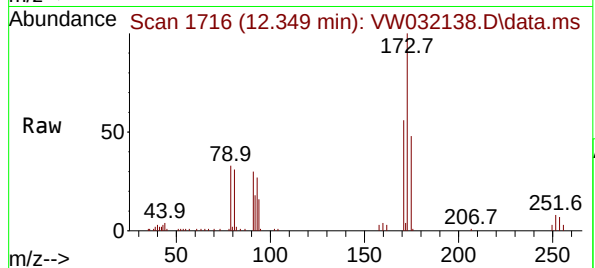
103 54.3 44.8 67.2





#71
Bromoform
Concen: 9.529 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

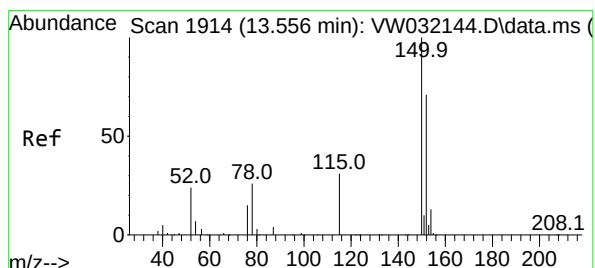
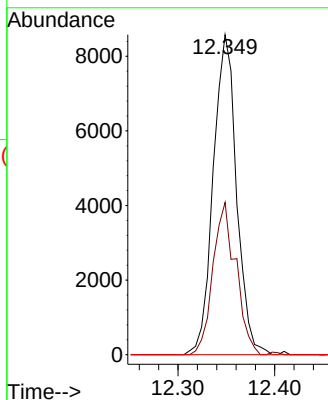
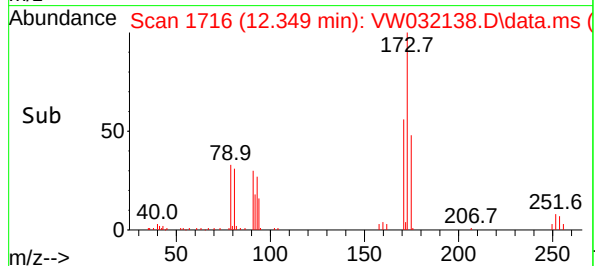
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



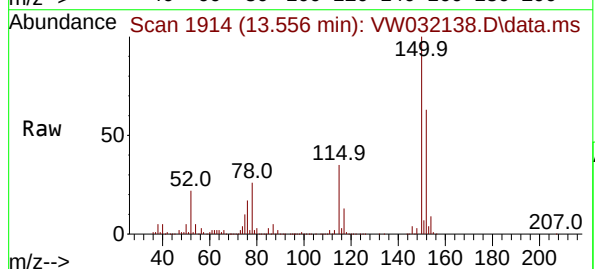
Tgt Ion:173 Resp: 1435
Ion Ratio Lower Upper
173 100
175 46.9 24.9 74.7
254 0.0 0.2 0.2

Manual Integrations
APPROVED

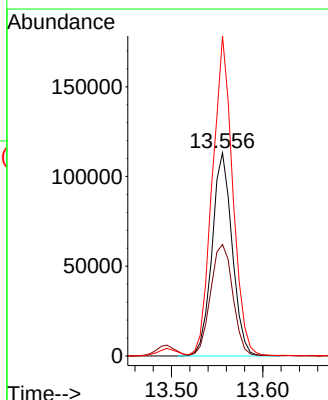
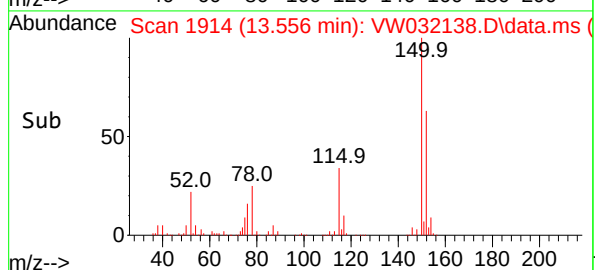
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

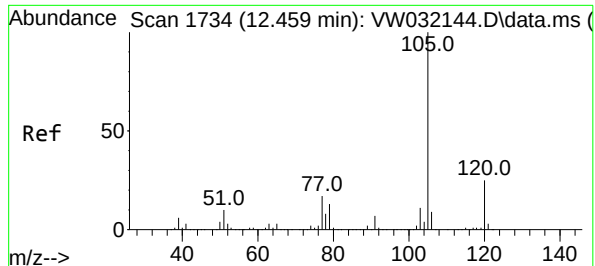


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23



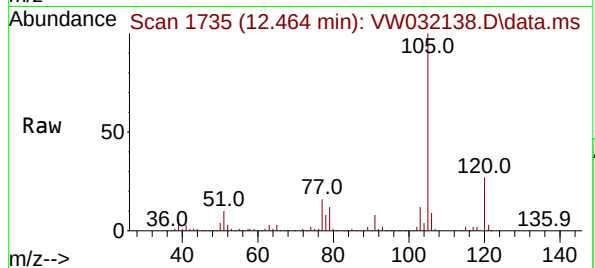
Tgt Ion:152 Resp: 173202
Ion Ratio Lower Upper
152 100
115 60.6 31.8 95.4
150 158.9 0.0 343.0





#73
Isopropylbenzene
Concen: 9.615 ug/l
RT: 12.464 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

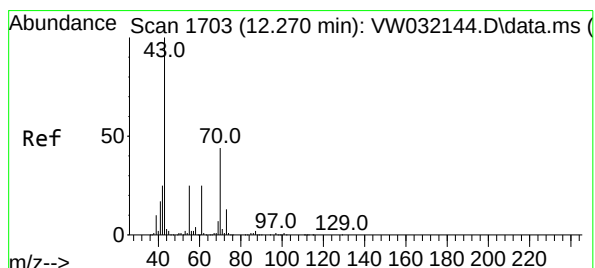
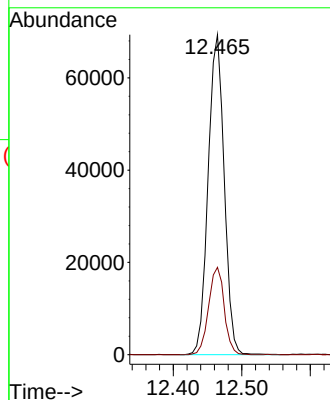
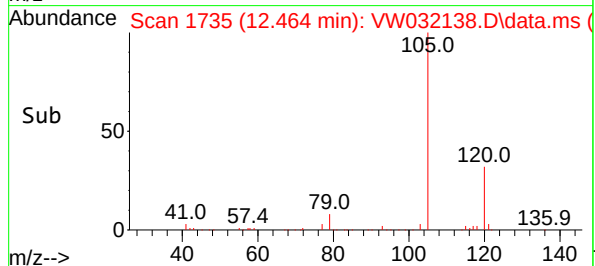
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



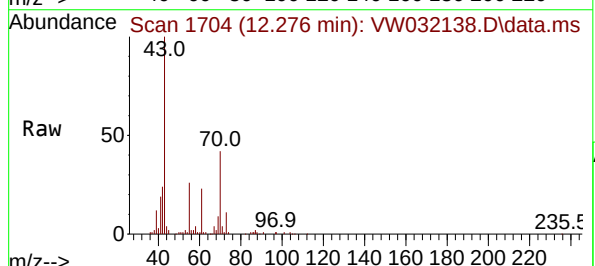
Tgt Ion:105 Resp: 11313
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

Manual Integrations
APPROVED

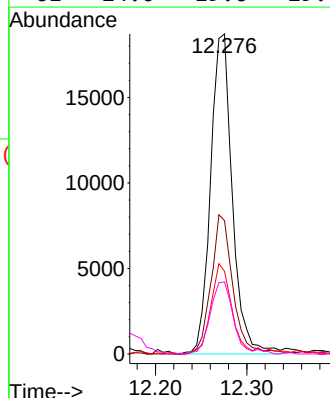
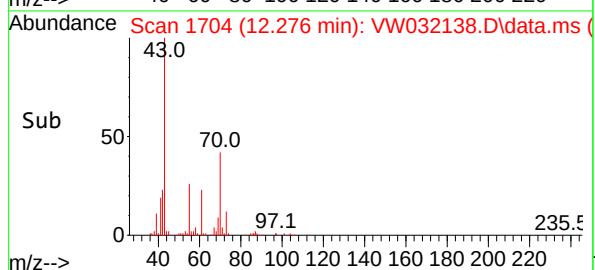
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

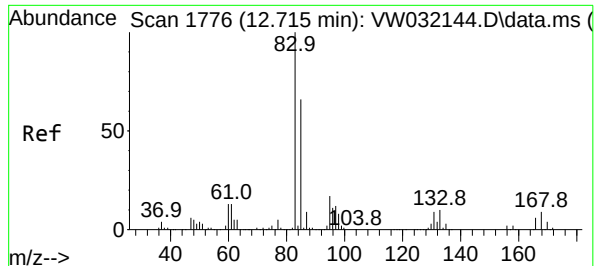


#74
N-ethyl acetate
Concen: 9.082 ug/l
RT: 12.276 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23



Tgt Ion: 43 Resp: 31026
Ion Ratio Lower Upper
43 100
70 43.5 35.3 52.9
55 28.3 19.9 29.9
61 24.0 19.6 29.4





#75

1,1,2-Tetrachloroethane

Concen: 9.910 ug/l

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

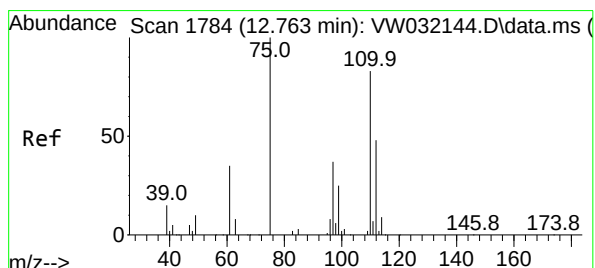
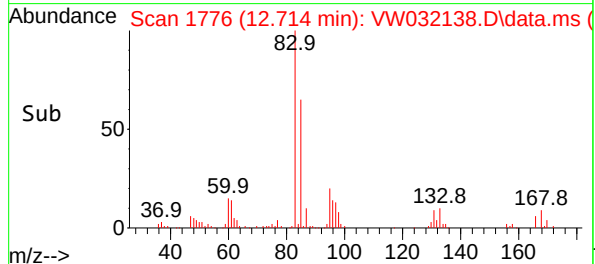
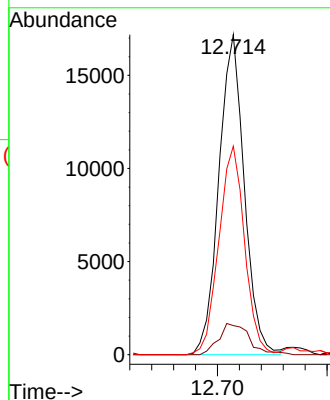
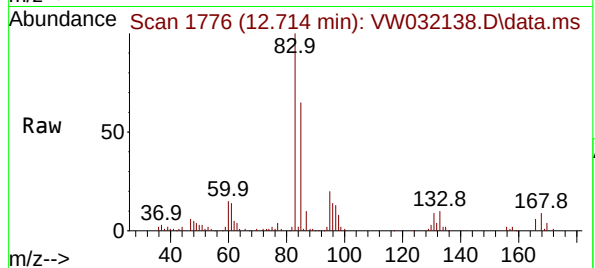
VSTDIC010

Tgt Ion:	83	Resp:	2771
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.4
85	65.7	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#76

1,2,3-Trichloropropane

Concen: 9.219 ug/l m

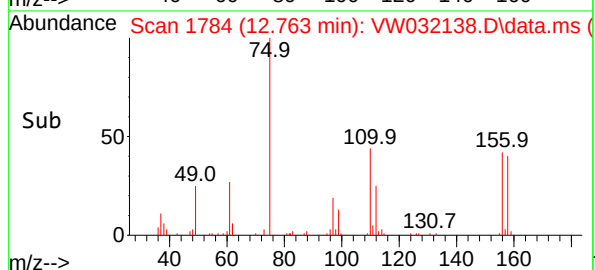
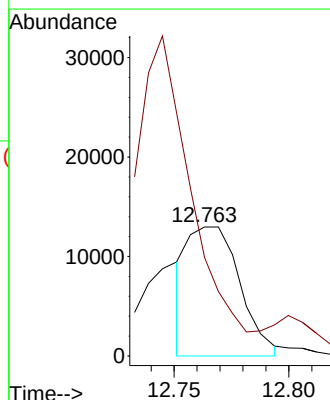
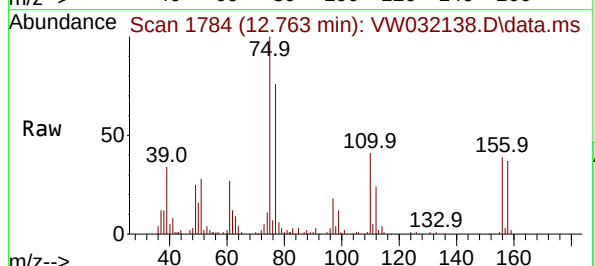
RT: 12.763 min Scan# 1784

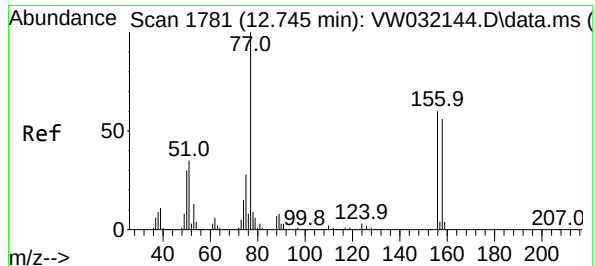
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	75	Resp:	20674
Ion Ratio	Lower	Upper	
75	100		
77	280.4	141.7	425.1





#77

Bromobenzene

Concen: 9.741 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

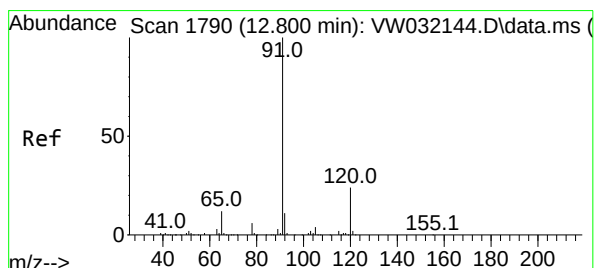
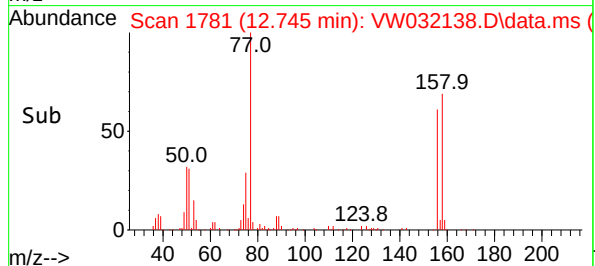
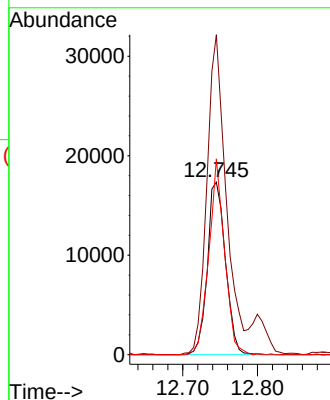
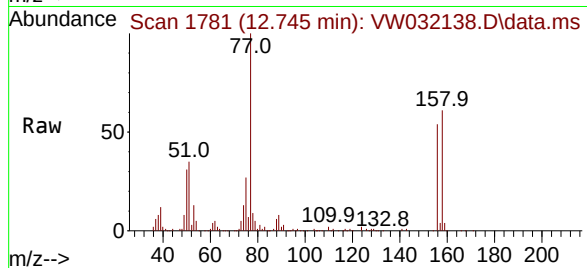
ClientSampleId :

VSTDIC010

Tgt Ion:	156	Resp:	29230
Ion Ratio	Lower	Upper	
156	100		
77	198.3	98.6	295.7
158	98.5	48.4	145.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#78

n-propylbenzene

Concen: 9.858 ug/l

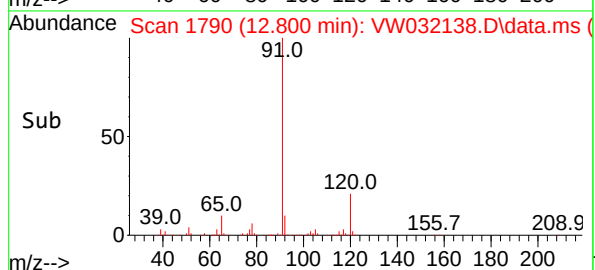
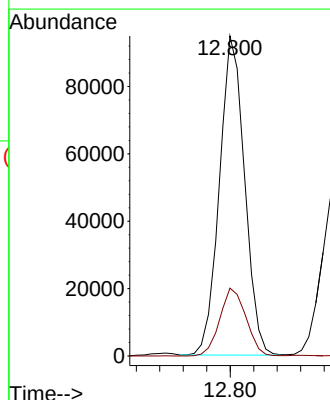
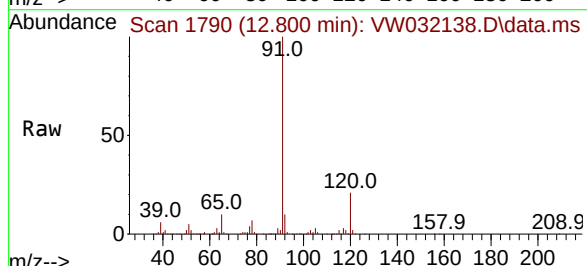
RT: 12.800 min Scan# 1790

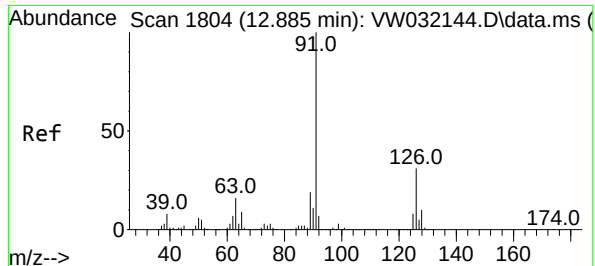
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	91	Resp:	140832
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 9.792 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 8554

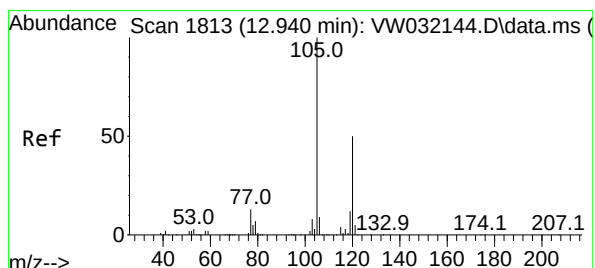
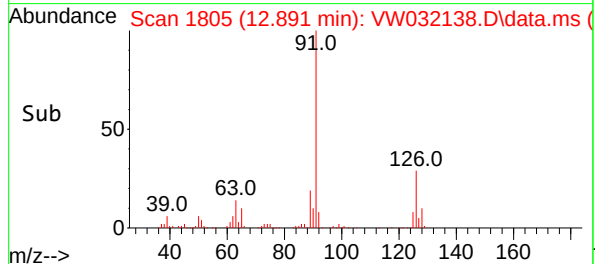
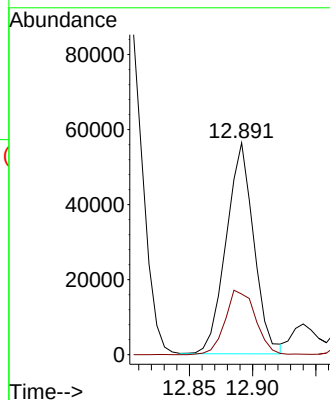
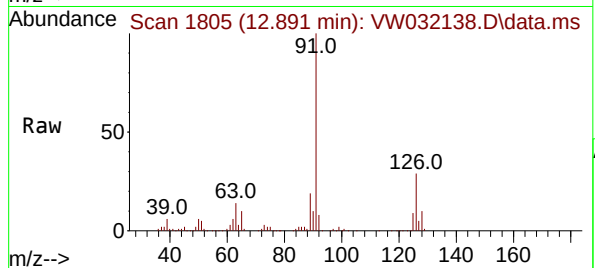
Ion Ratio Lower Upper

91 100

126 33.7 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#80

1,3,5-Trimethylbenzene

Concen: 9.700 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032138.D

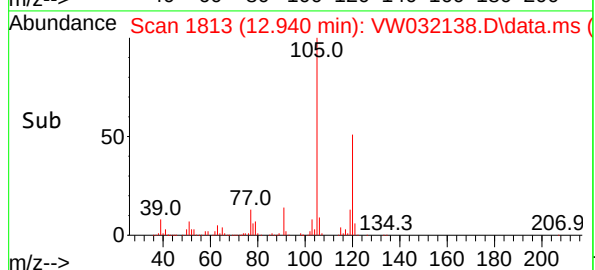
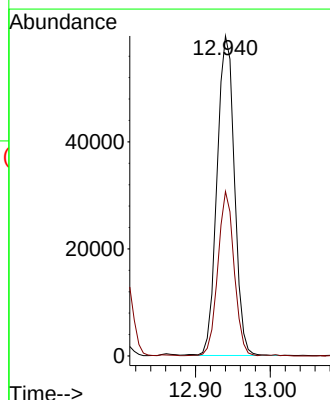
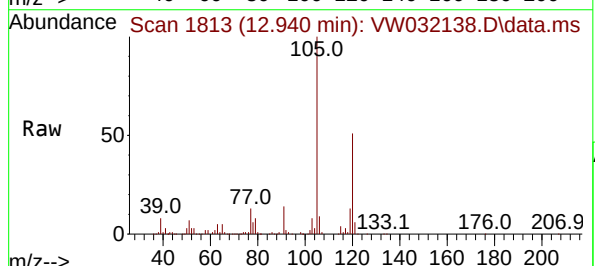
Acq: 26 Aug 2025 10:23

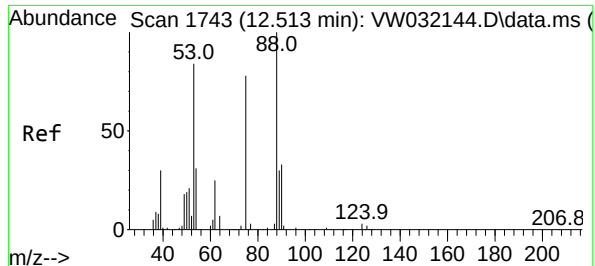
Tgt Ion:105 Resp: 96634

Ion Ratio Lower Upper

105 100

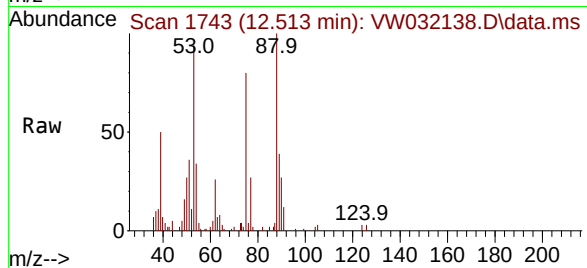
120 48.0 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 8.537 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

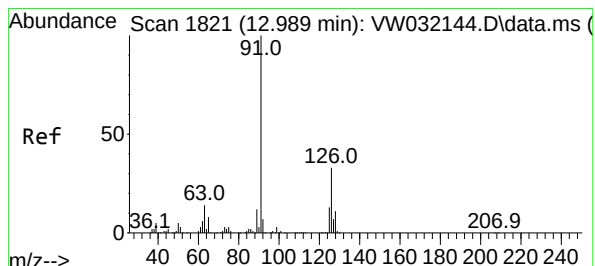
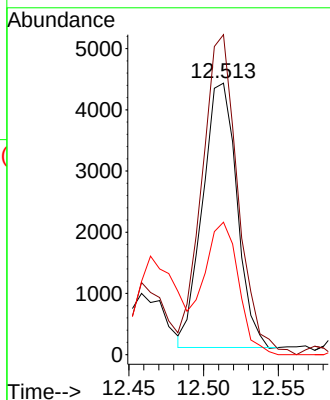
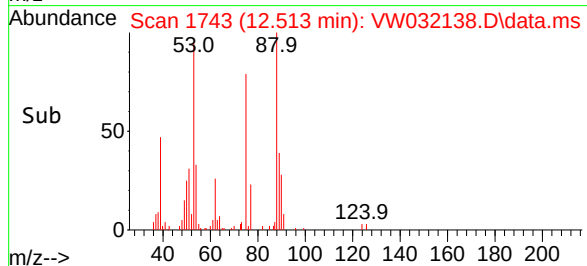
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 6880
Ion Ratio Lower Upper
75 100
53 126.9 91.0 136.6
89 50.9 39.4 59.2

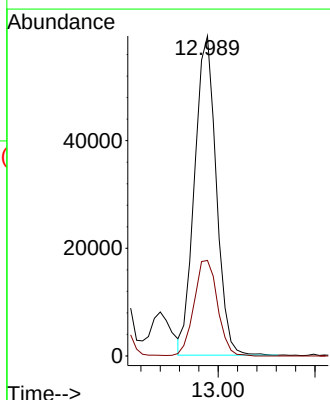
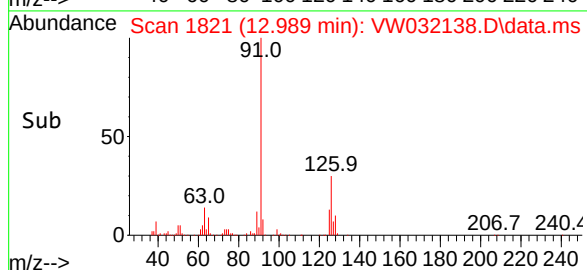
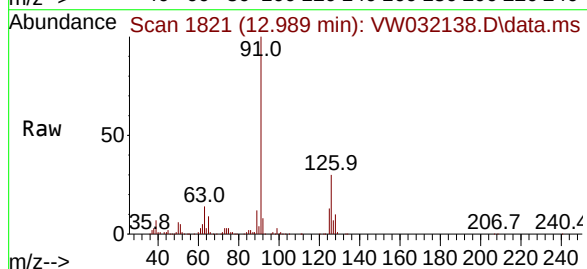
Manual Integrations
APPROVED

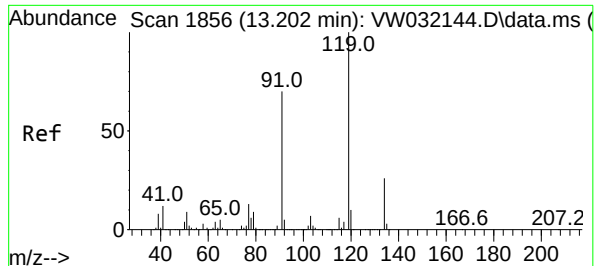
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 9.890 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032138.D
Acq: 26 Aug 2025 10:23

Tgt Ion: 91 Resp: 92476
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.2





#83

tert-Butylbenzene

Concen: 9.576 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:119 Resp: 8088

Ion Ratio Lower Upper

119 100

91 67.4 33.8 101.3

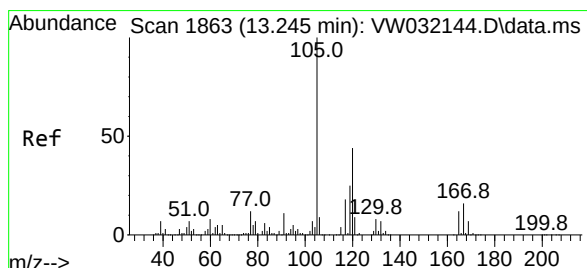
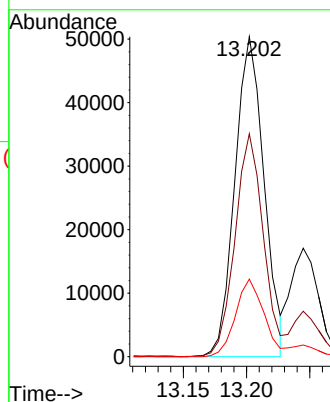
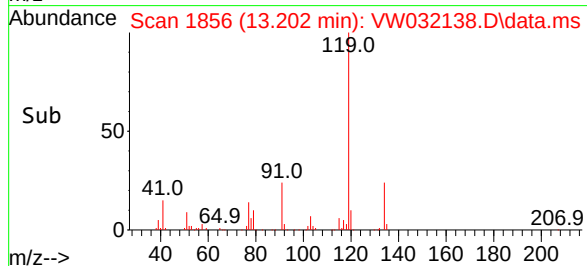
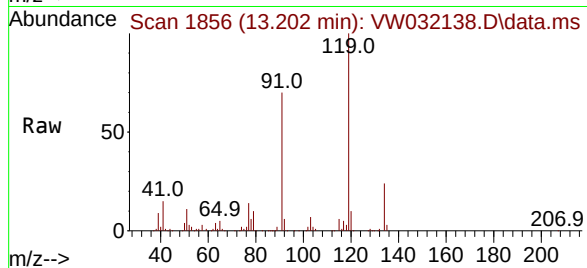
134 24.0 12.5 37.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.480 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032138.D

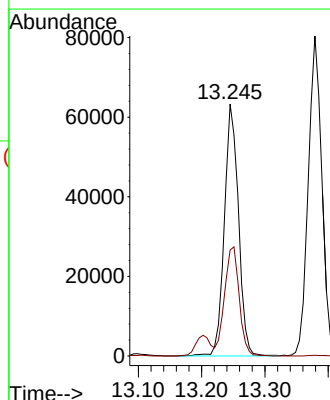
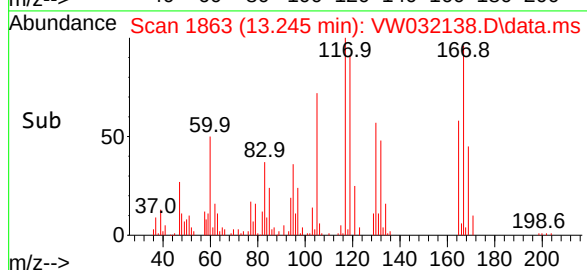
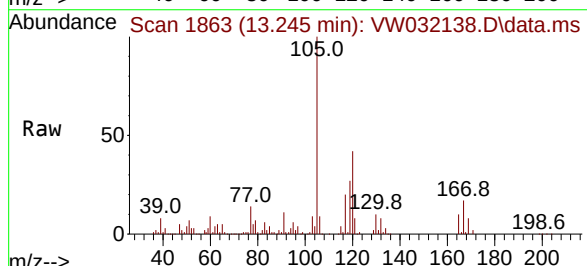
Acq: 26 Aug 2025 10:23

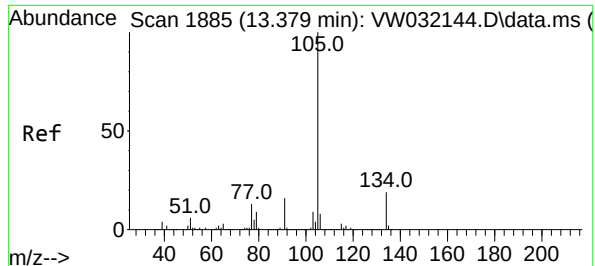
Tgt Ion:105 Resp: 97711

Ion Ratio Lower Upper

105 100

120 44.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 9.507 ug/l

RT: 13.379 min Scan# 11885

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:105 Resp: 11989

Ion Ratio Lower Upper

105 100

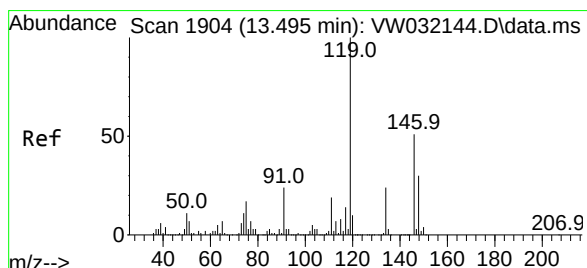
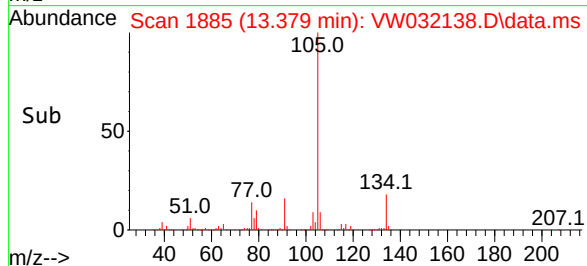
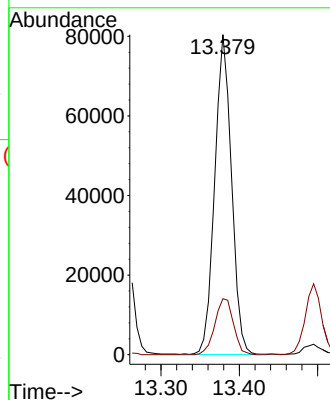
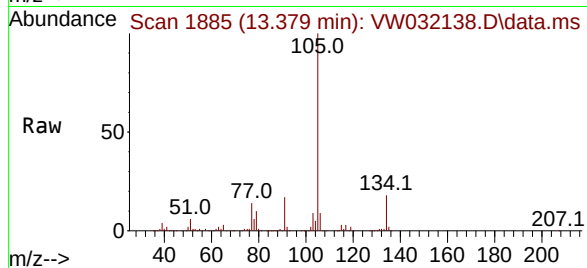
134 19.3 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#86

p-Isopropyltoluene

Concen: 9.570 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

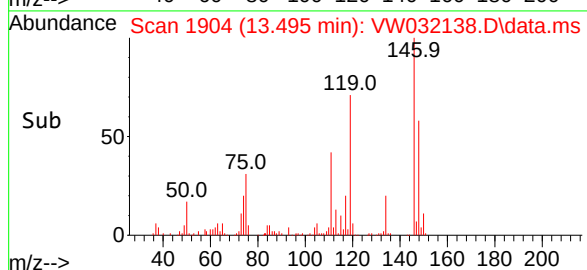
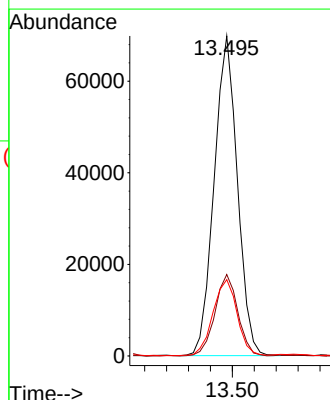
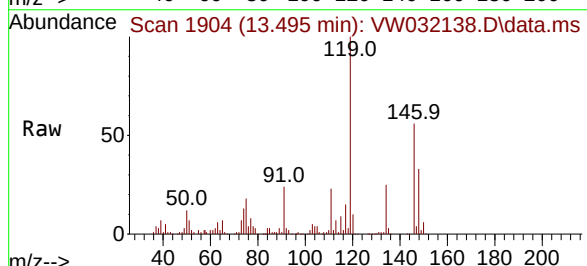
Tgt Ion:119 Resp: 102643

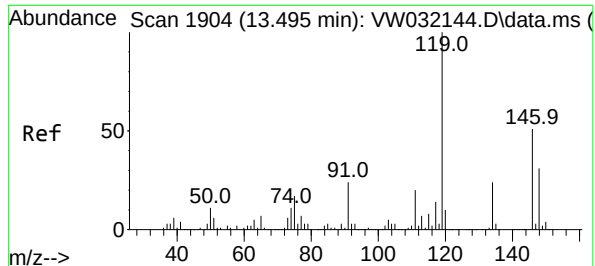
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 24.8 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 10.417 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:146 Resp: 6293

Ion Ratio Lower Upper

146 100

111 38.7 20.6 61.9

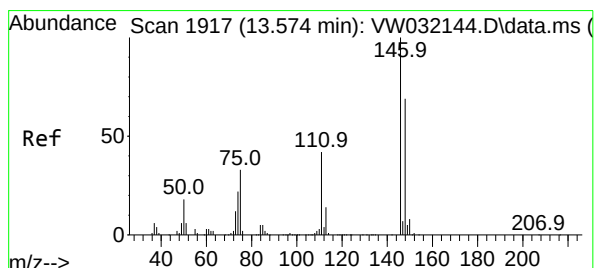
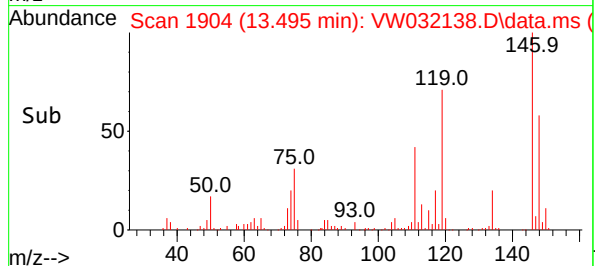
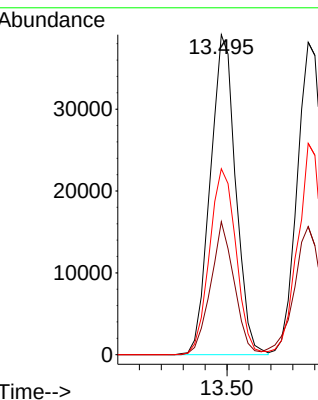
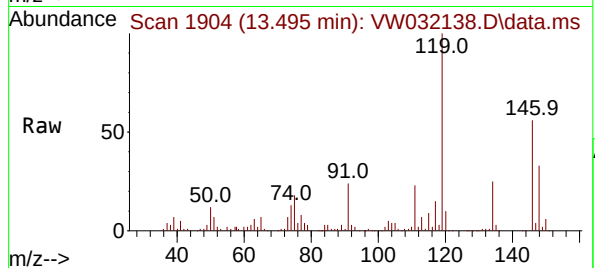
148 60.9 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 10.351 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

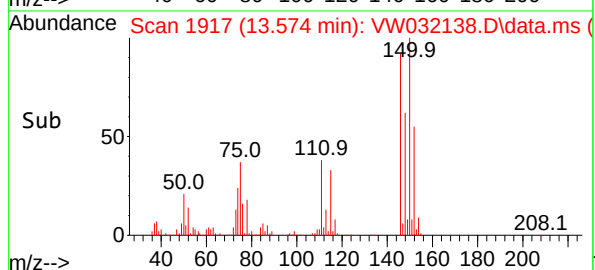
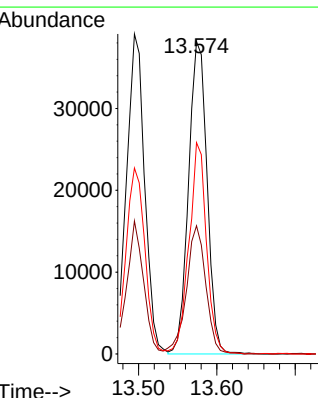
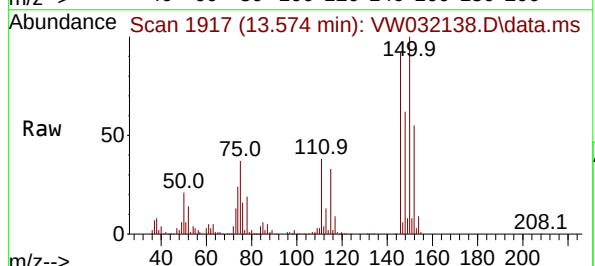
Tgt Ion:146 Resp: 62683

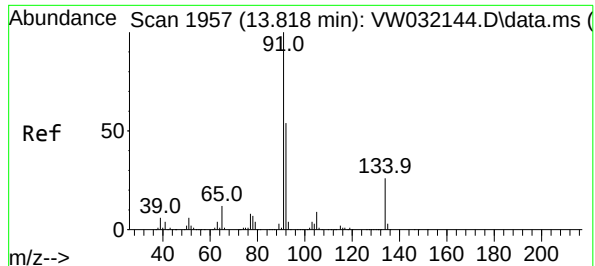
Ion Ratio Lower Upper

146 100

111 43.1 21.3 63.7

148 64.3 33.4 100.1





#89

n-Butylbenzene

Concen: 9.426 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

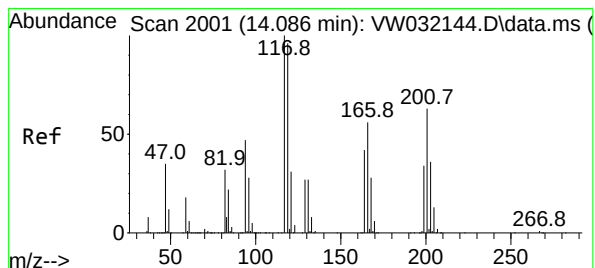
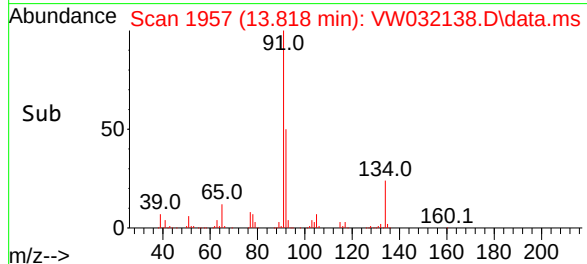
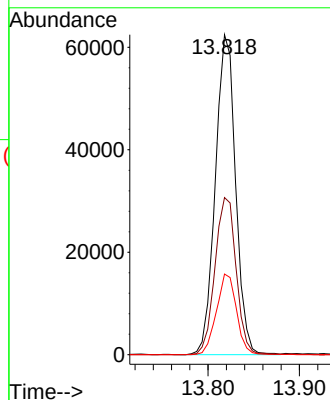
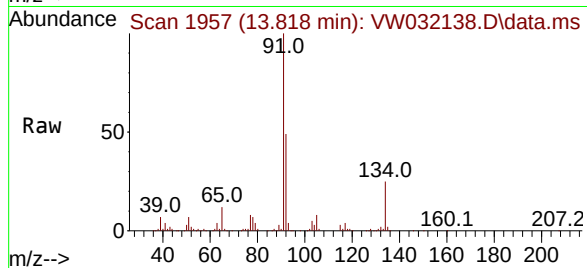
ClientSampleId :

VSTDICC010

Tgt Ion:	91	Resp:	9638
Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.0	81.0
134	24.9	13.1	39.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 9.814 ug/l

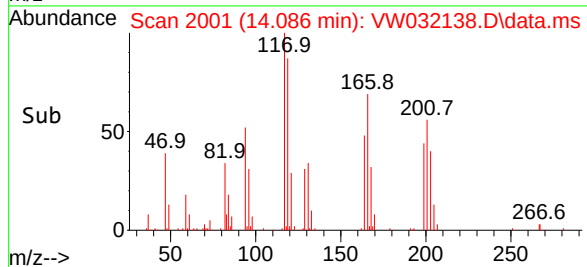
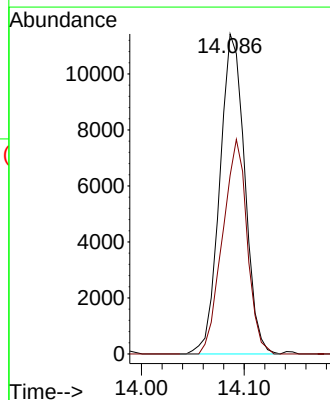
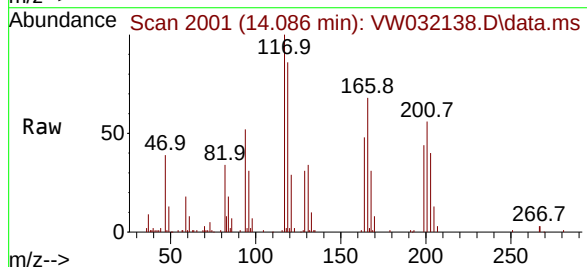
RT: 14.086 min Scan# 2001

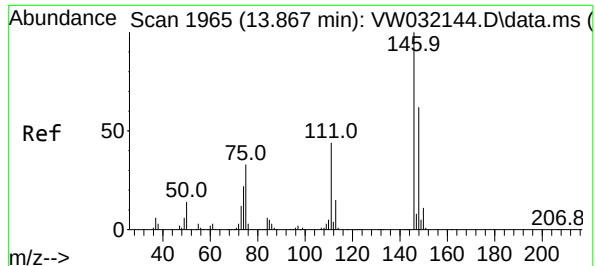
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	117	Resp:	19253
Ion	Ratio	Lower	Upper
117	100		
201	66.0	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 9.811 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

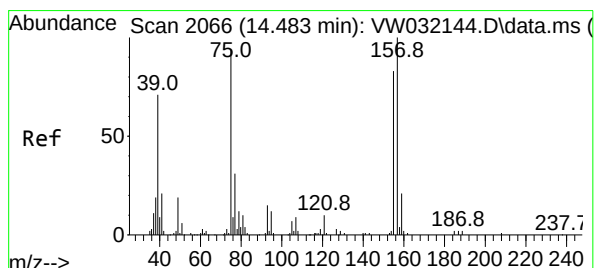
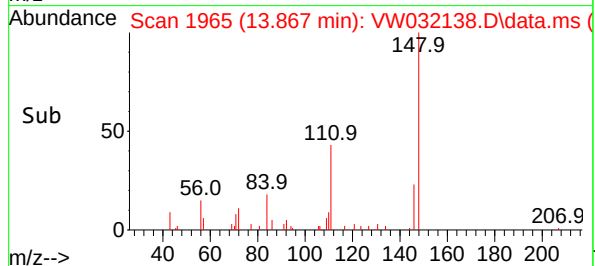
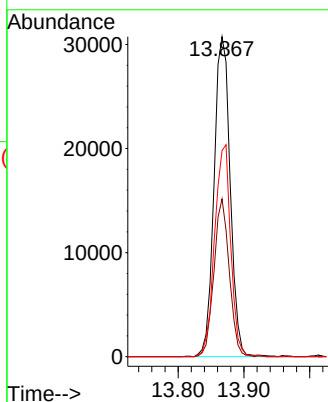
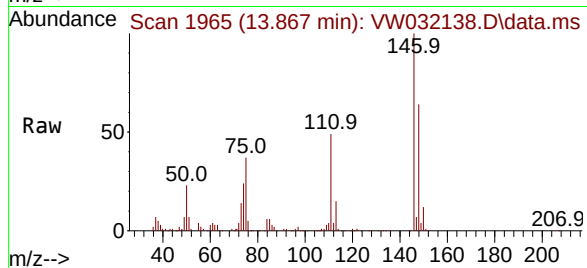
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	52479
Ion Ratio	Lower	Upper	
146	100		
111	46.9	23.4	70.0
148	66.0	34.1	102.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.988 ug/l

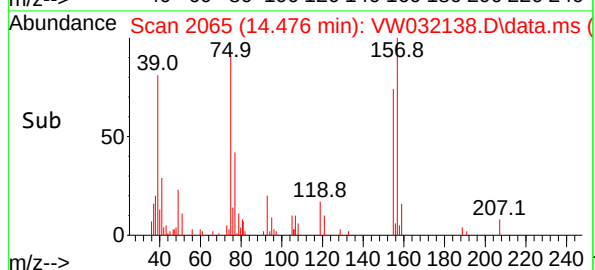
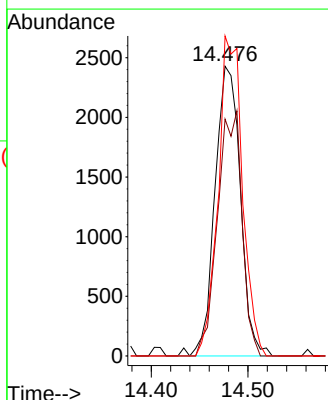
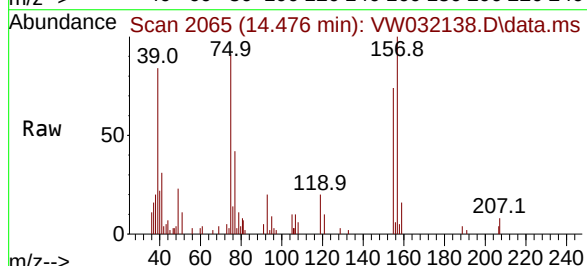
RT: 14.476 min Scan# 2065

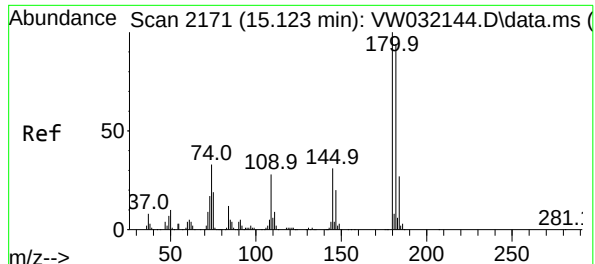
Delta R.T. -0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:	75	Resp:	4440
Ion Ratio	Lower	Upper	
75	100		
155	81.2	40.8	122.5
157	105.5	51.8	155.4





#93

1,2,4-Trichlorobenzene

Concen: 10.074 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

ClientSampleId :

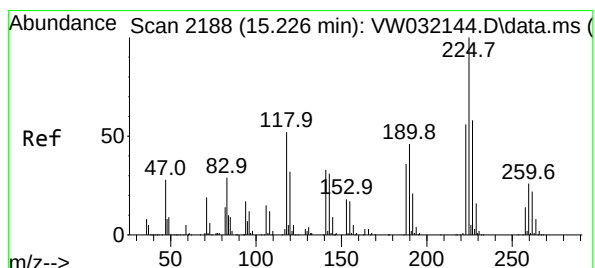
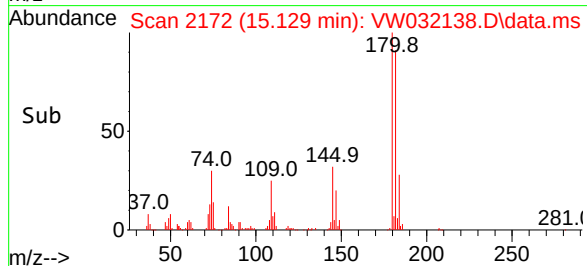
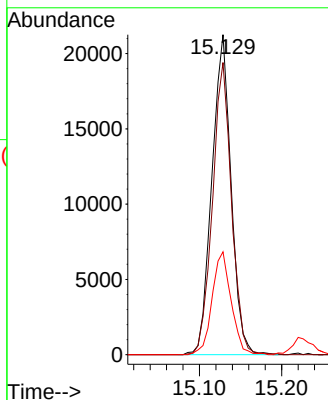
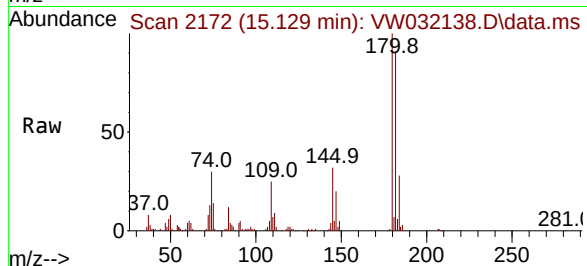
VSTDIC010

Tgt Ion:180	Resp:	34429
Ion Ratio	Lower	Upper
180	100	
182	90.6	47.4 142.2
145	31.9	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 9.644 ug/l

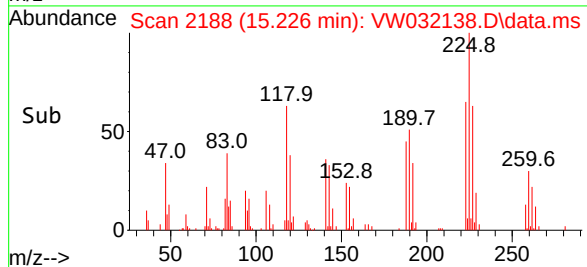
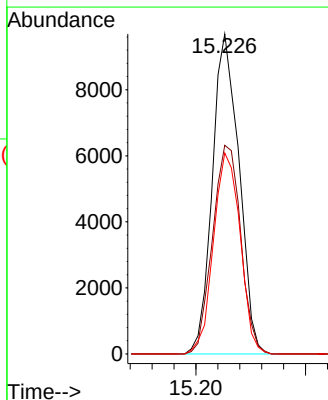
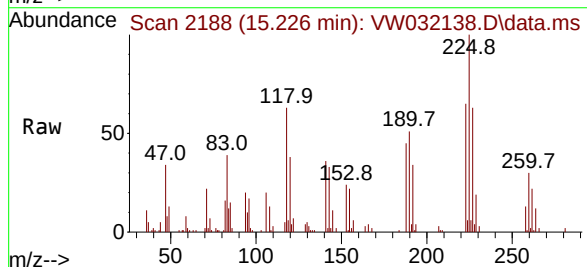
RT: 15.226 min Scan# 2188

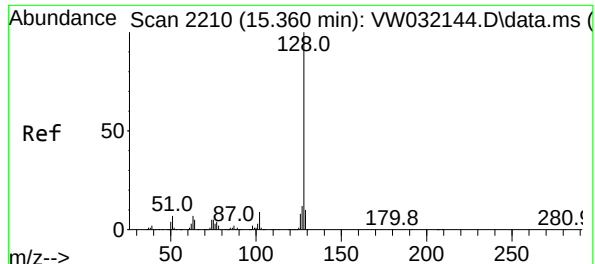
Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:225	Resp:	16347
Ion Ratio	Lower	Upper
225	100	
223	68.9	29.8 89.3
227	63.1	30.5 91.5





#95

Naphthalene

Concen: 8.888 ug/l

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Instrument :

MSVOA_W

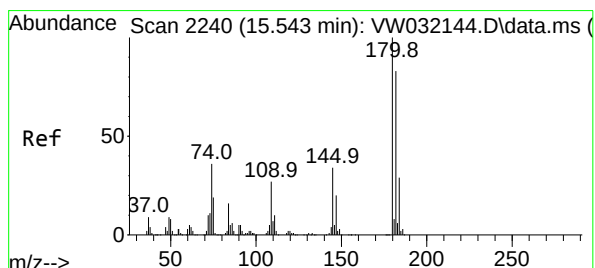
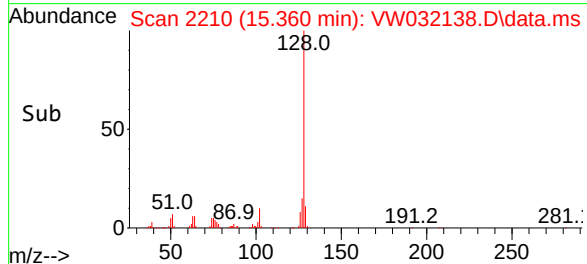
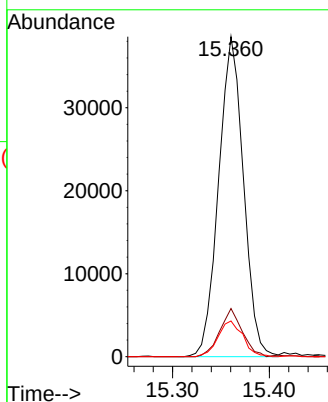
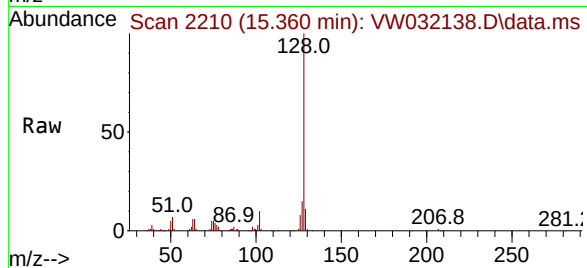
ClientSampleId :

VSTDIC010

Tgt Ion:128	Resp: 68744
Ion Ratio	Lower Upper
128 100	
127 13.6	10.6 16.0
129 11.2	8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96

1,2,3-Trichlorobenzene

Concen: 9.983 ug/l

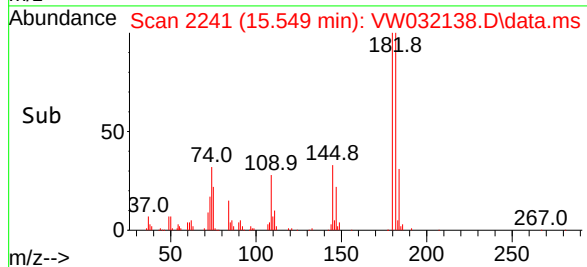
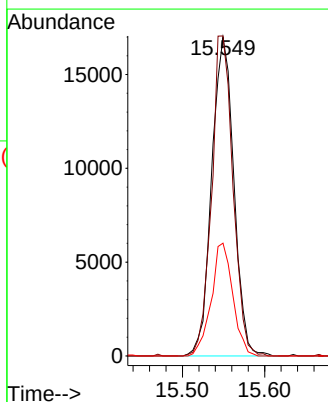
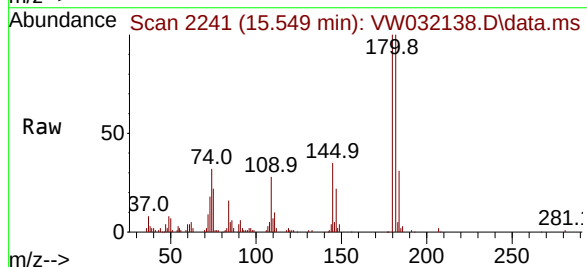
RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW032138.D

Acq: 26 Aug 2025 10:23

Tgt Ion:180	Resp: 31730
Ion Ratio	Lower Upper
180 100	
182 97.1	47.7 143.1
145 34.5	17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032139.D
 Acq On : 26 Aug 2025 10:45
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 27 03:49:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	207241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	361729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	320041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	59949	20.227	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	40.460%#		
35) Dibromofluoromethane	7.898	113	50193	19.778	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	39.560%#		
50) Toluene-d8	10.325	98	178639	20.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.100%#		
62) 4-Bromofluorobenzene	12.617	95	65158	19.778	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	39.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	29597	21.631	ug/l	99
3) Chloromethane	2.253	50	28262	19.700	ug/l	99
4) Vinyl Chloride	2.405	62	38242	20.524	ug/l	99
5) Bromomethane	2.826	94	33838	20.336	ug/l	98
6) Chloroethane	2.972	64	26882	20.486	ug/l	99
7) Trichlorofluoromethane	3.308	101	37746	20.445	ug/l	95
8) Diethyl Ether	3.716	74	28021	20.338	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	42610	20.488	ug/l	98
10) Methyl Iodide	4.314	142	65366	20.641	ug/l	100
11) Tert butyl alcohol	5.222	59	16747	92.377	ug/l	96
12) 1,1-Dichloroethene	4.076	96	45354	20.707	ug/l	98
13) Acrolein	3.930	56	26614	95.503	ug/l	97
14) Allyl chloride	4.704	41	62098	19.960	ug/l	98
15) Acrylonitrile	5.399	53	66397	99.123	ug/l	97
16) Acetone	4.161	43	63129	98.351	ug/l	96
17) Carbon Disulfide	4.417	76	111058	20.273	ug/l	99
18) Methyl Acetate	4.710	43	39333	19.232	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	83004	20.069	ug/l	98
20) Methylene Chloride	4.960	84	59672	20.052	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	50083	20.469	ug/l	96
22) Diisopropyl ether	6.344	45	140521	20.752	ug/l	97
23) Vinyl Acetate	6.283	43	459708	99.855	ug/l	98
24) 1,1-Dichloroethane	6.246	63	89798	20.257	ug/l	99
25) 2-Butanone	7.197	43	89904	98.843	ug/l	100
26) 2,2-Dichloropropane	7.191	77	46138	19.654	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	59877	20.111	ug/l	99
28) Bromochloromethane	7.533	49	42759	21.071	ug/l	99
29) Tetrahydrofuran	7.551	42	56627	97.972	ug/l	99
30) Chloroform	7.691	83	101880	20.129	ug/l	100
31) Cyclohexane	7.972	56	70667	19.422	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	74668	20.210	ug/l	100
36) 1,1-Dichloropropene	8.100	75	63503	19.299	ug/l	96
37) Ethyl Acetate	7.277	43	37254	18.873	ug/l	98
38) Carbon Tetrachloride	8.081	117	69501	19.703	ug/l	95
39) Methylcyclohexane	9.343	83	74848	19.204	ug/l	96
40) Benzene	8.337	78	204224	20.078	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032139.D
 Acq On : 26 Aug 2025 10:45
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:49:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20198	18.417	ug/l	96
42) 1,2-Dichloroethane	8.417	62	68894	19.538	ug/l	99
43) Isopropyl Acetate	8.435	43	68811	18.582	ug/l	97
44) Trichloroethene	9.105	130	50885	19.893	ug/l	84
45) 1,2-Dichloropropane	9.380	63	48708	19.865	ug/l	94
46) Dibromomethane	9.465	93	34506	20.064	ug/l	96
47) Bromodichloromethane	9.654	83	76320	19.528	ug/l	98
48) Methyl methacrylate	9.441	41	33017	19.347	ug/l	95
49) 1,4-Dioxane	9.465	88	8958	431.107	ug/l	95
51) 4-Methyl-2-Pentanone	10.215	43	203375	97.262	ug/l	99
52) Toluene	10.392	92	132013	19.861	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	65239	18.922	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	75706	19.244	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	45028	20.135	ug/l	95
56) Ethyl methacrylate	10.648	69	52974	18.528	ug/l	97
57) 1,3-Dichloropropane	10.934	76	73802	19.709	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	152569	99.976	ug/l	100
59) 2-Hexanone	10.971	43	138236	95.057	ug/l	100
60) Dibromochloromethane	11.129	129	52616	19.443	ug/l	99
61) 1,2-Dibromoethane	11.239	107	42542	19.344	ug/l	99
64) Tetrachloroethene	10.867	164	43742	20.766	ug/l	90
65) Chlorobenzene	11.660	112	152888	20.988	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	47518	19.813	ug/l	97
67) Ethyl Benzene	11.733	91	245828	20.597	ug/l	100
68) m/p-Xylenes	11.843	106	192351	41.875	ug/l	100
69) o-Xylene	12.166	106	88921	20.465	ug/l	100
70) Styrene	12.178	104	159523	20.828	ug/l	98
71) Bromoform	12.349	173	27643	19.407	ug/l #	96
73) Isopropylbenzene	12.465	105	224854	19.185	ug/l	99
74) N-amyl acetate	12.270	43	64999	19.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	53386	19.167	ug/l	96
76) 1,2,3-Trichloropropane	12.769	75	47279m	21.166	ug/l	
77) Bromobenzene	12.745	156	59590	19.938	ug/l	96
78) n-propylbenzene	12.800	91	277146	19.477	ug/l	98
79) 2-Chlorotoluene	12.891	91	170359	19.579	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	194222	19.573	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	14477	18.035	ug/l	94
82) 4-Chlorotoluene	12.989	91	184235	19.781	ug/l	98
83) tert-Butylbenzene	13.202	119	161867	19.239	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	206247	20.090	ug/l	98
85) sec-Butylbenzene	13.379	105	243871	19.414	ug/l	100
86) p-Isopropyltoluene	13.495	119	211483	19.797	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	115970	19.271	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	118257	19.605	ug/l	97
89) n-Butylbenzene	13.818	91	194525	19.099	ug/l	99
90) Hexachloroethane	14.092	117	36162	18.506	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	110612	20.761	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9570	19.449	ug/l	93
93) 1,2,4-Trichlorobenzene	15.129	180	68392	20.091	ug/l	98
94) Hexachlorobutadiene	15.226	225	33947	20.108	ug/l	99
95) Naphthalene	15.360	128	146800	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61140	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032139.D
Acq On : 26 Aug 2025 10:45
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:49:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

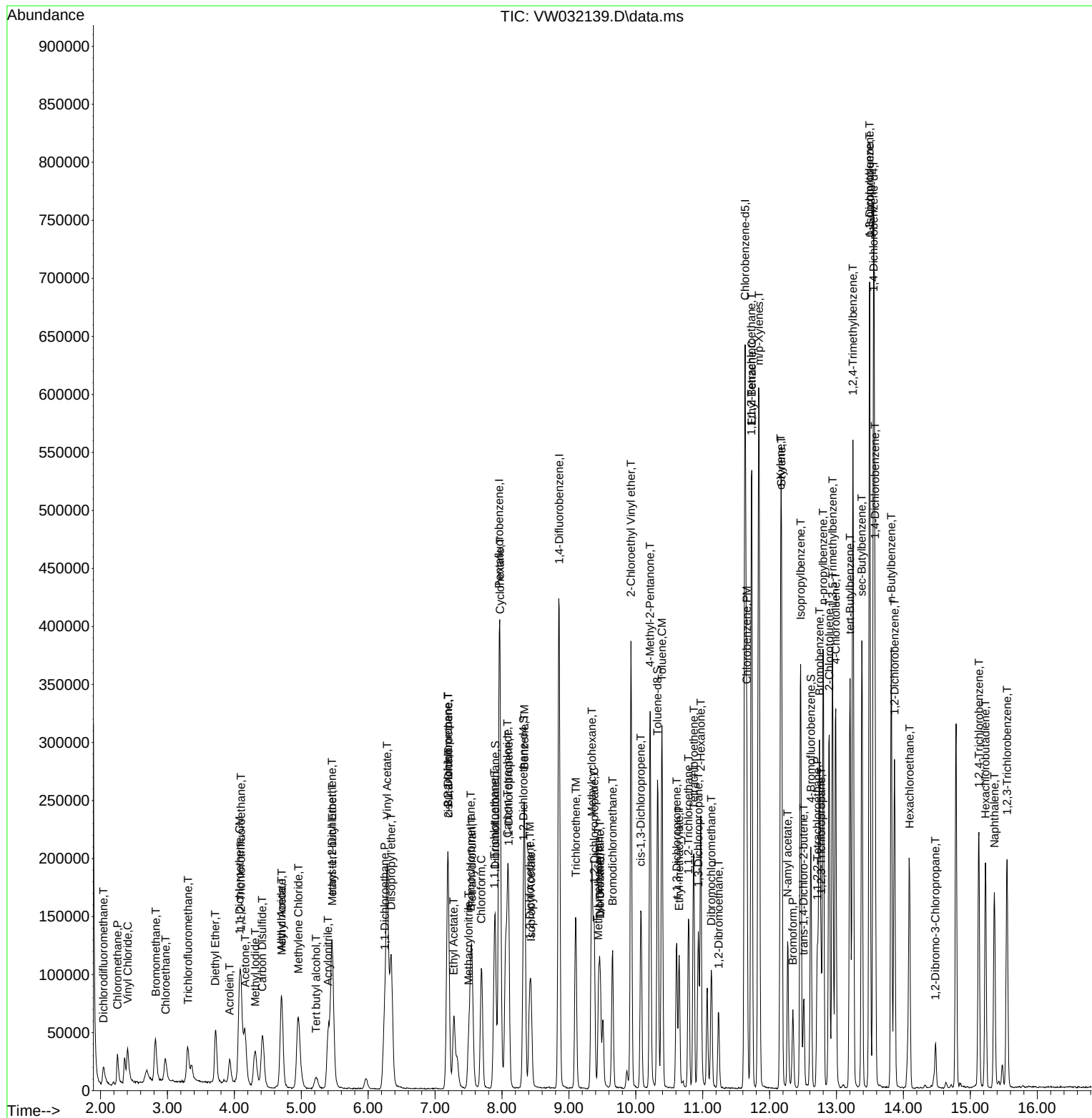
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

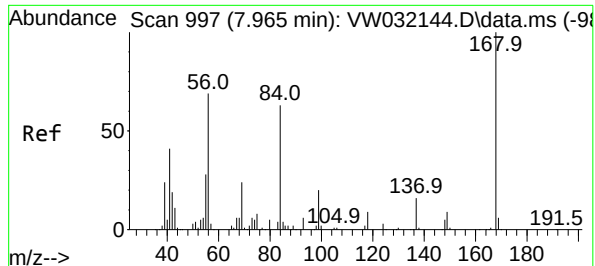
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

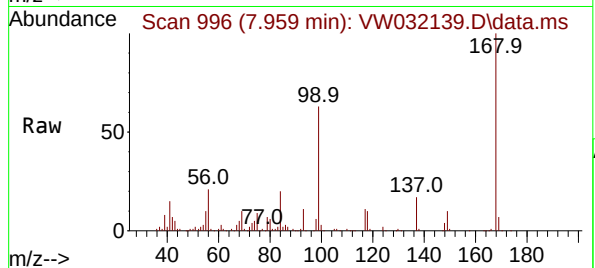
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

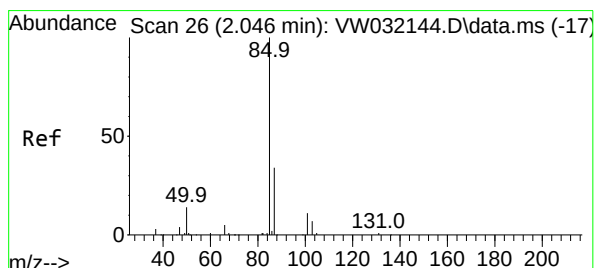
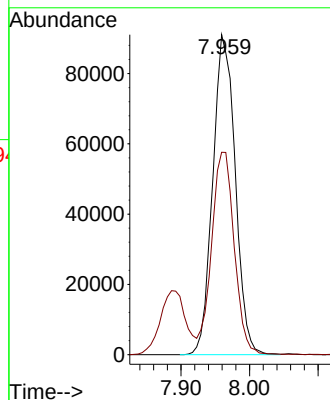
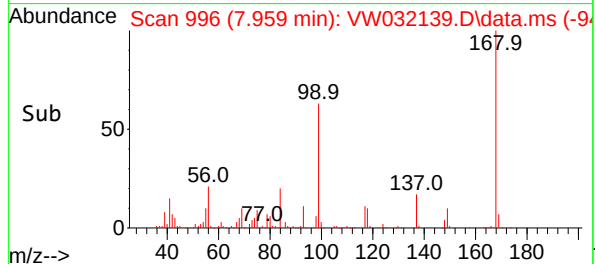
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 168 Resp: 20724
Ion Ratio Lower Upper
168 100
99 63.1 49.3 73.9

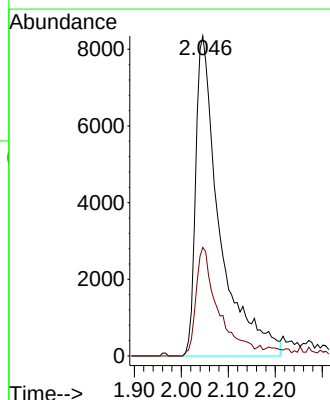
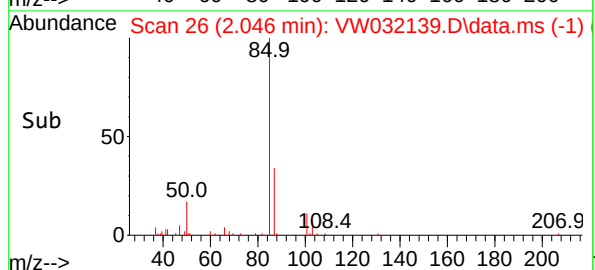
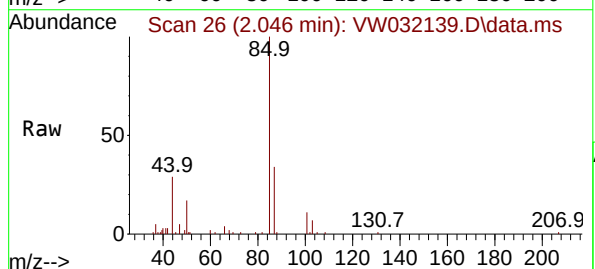
Manual Integrations
APPROVED

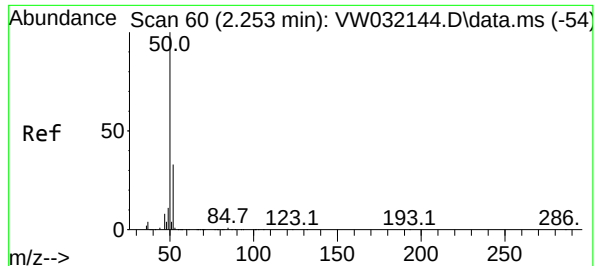
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 21.631 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 85 Resp: 29597
Ion Ratio Lower Upper
85 100
87 33.9 17.2 51.6





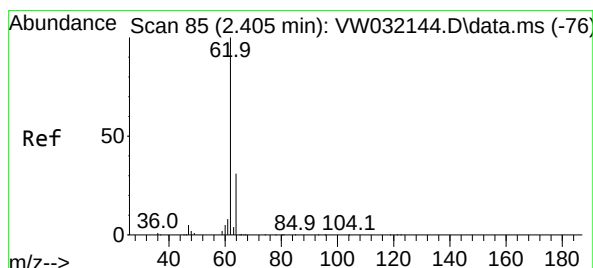
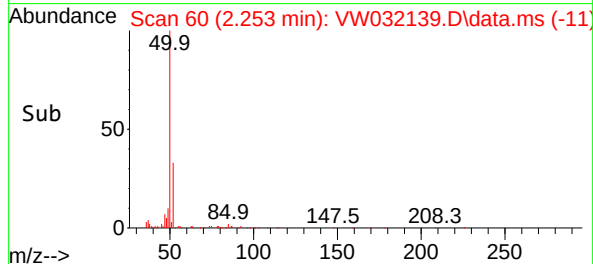
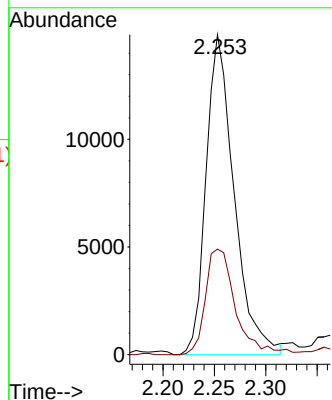
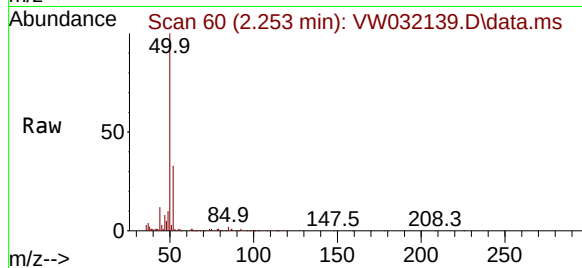
#3
Chloromethane
Concen: 19.700 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 2826
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1

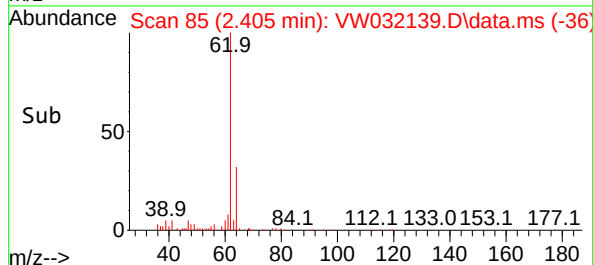
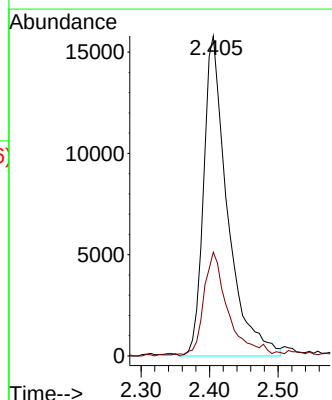
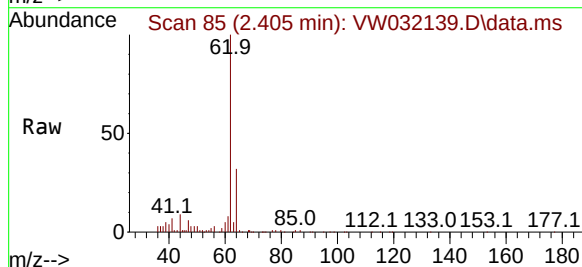
Manual Integrations
APPROVED

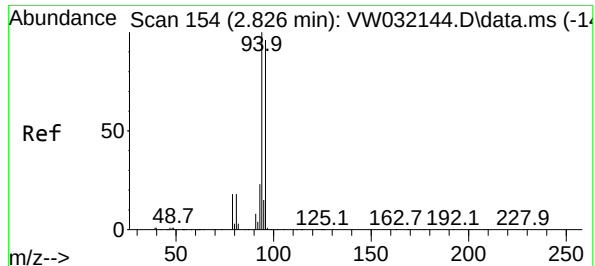
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#4
Vinyl Chloride
Concen: 20.524 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 62 Resp: 38242
Ion Ratio Lower Upper
62 100
64 31.8 24.8 37.2





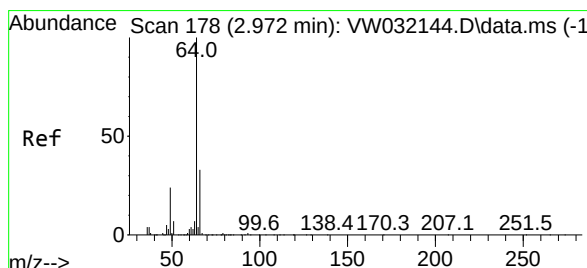
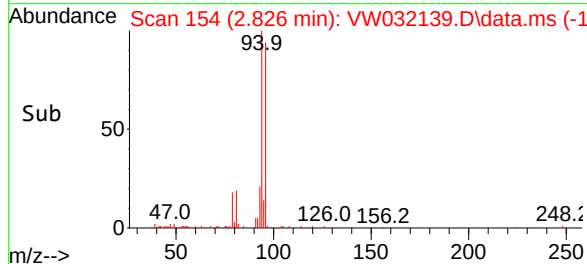
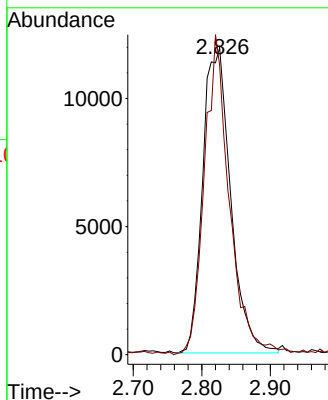
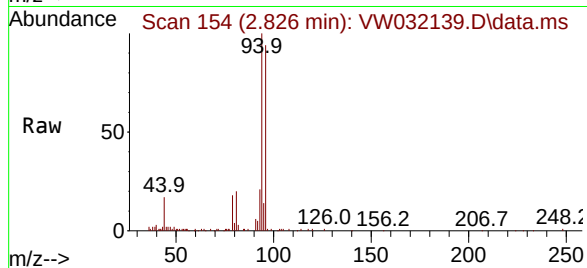
#5
Bromomethane
Concen: 20.336 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 33838
Ion Ratio Lower Upper
94 100
96 94.3 76.6 115.0

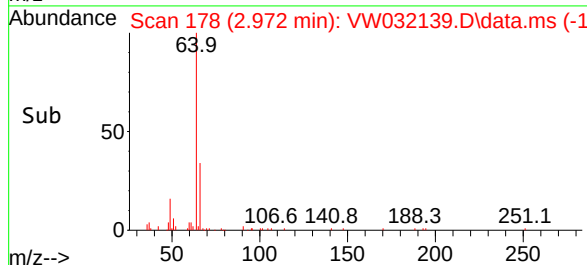
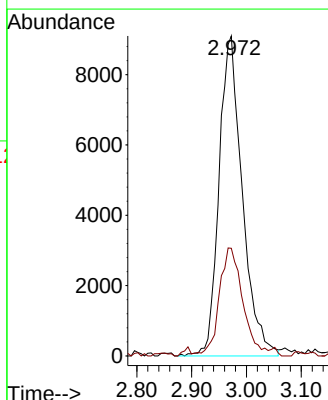
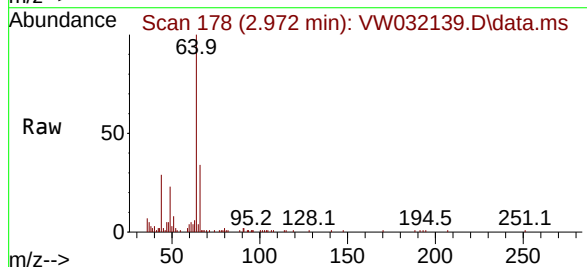
Manual Integrations
APPROVED

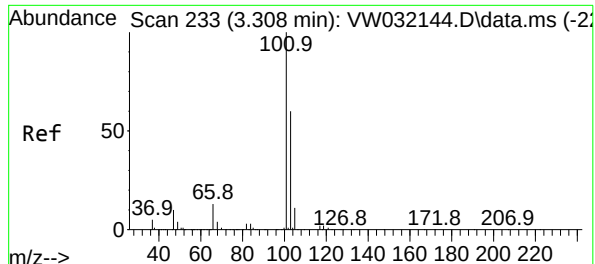
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 20.486 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 64 Resp: 26882
Ion Ratio Lower Upper
64 100
66 33.6 26.2 39.4





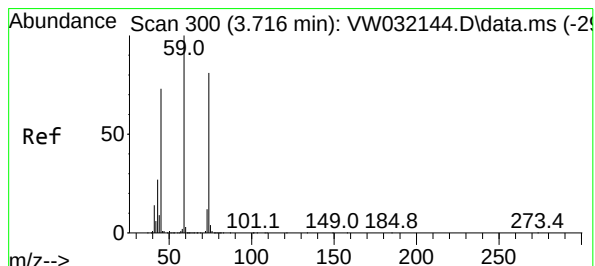
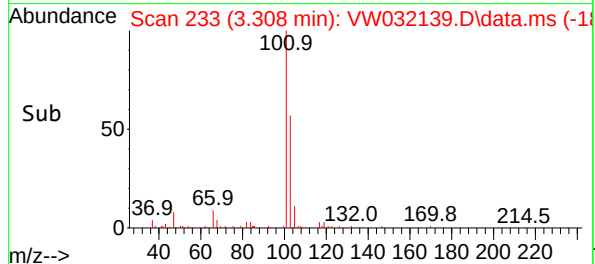
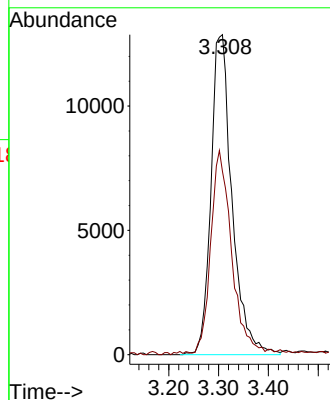
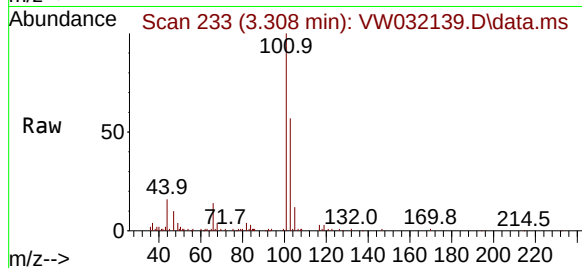
#7
Trichlorofluoromethane
Concen: 20.445 ug/l
RT: 3.308 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 37740
Ion Ratio Lower Upper
101 100
103 56.3 47.8 71.8

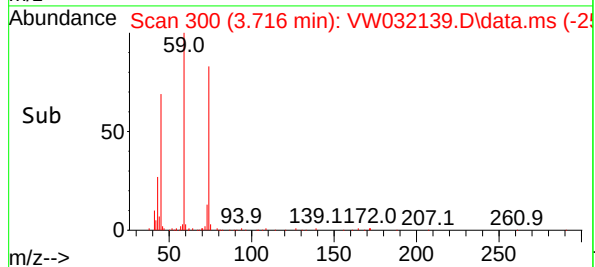
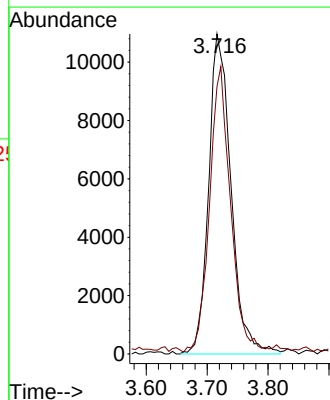
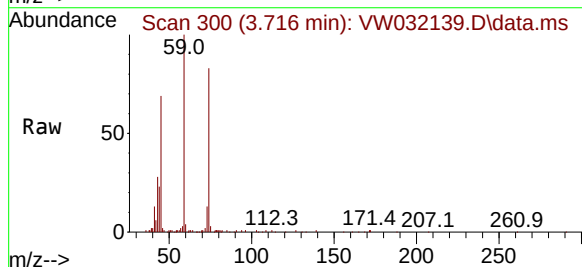
Manual Integrations
APPROVED

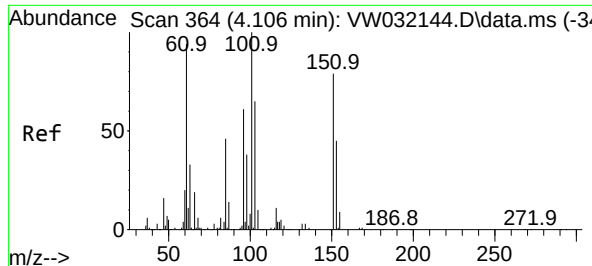
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 20.338 ug/l
RT: 3.716 min Scan# 300
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

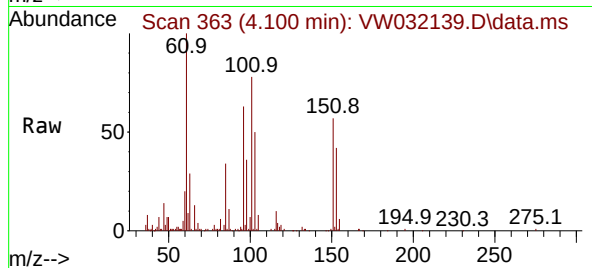
Tgt Ion: 74 Resp: 28021
Ion Ratio Lower Upper
74 100
45 83.6 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.488 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

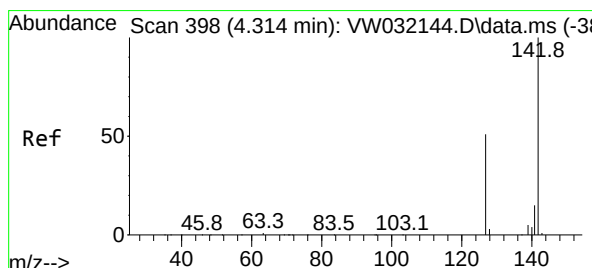
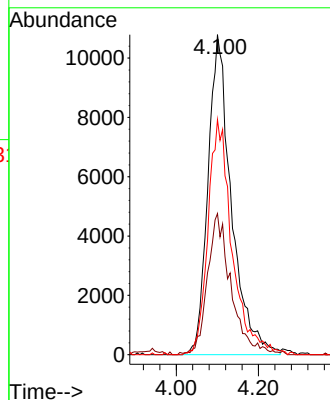
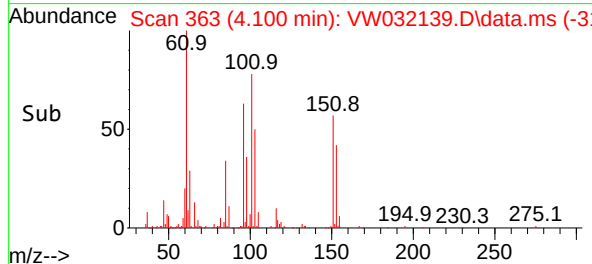
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 42610
Ion Ratio Lower Upper
101 100
85 44.7 37.1 55.7
151 75.5 61.5 92.3

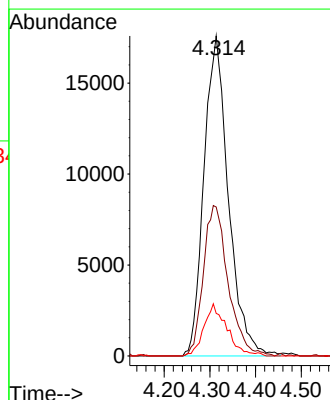
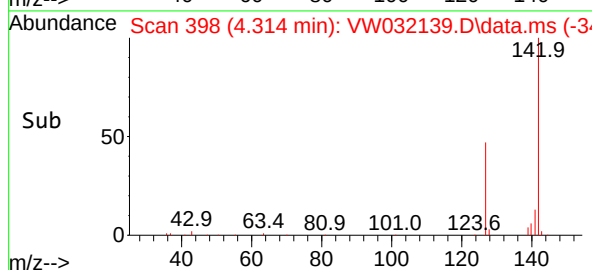
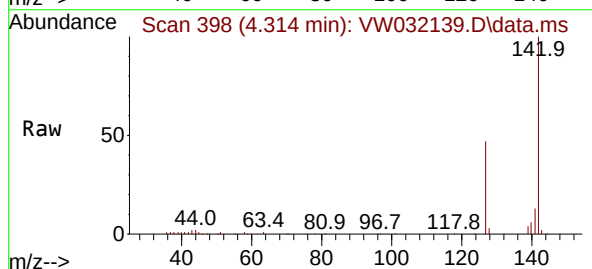
Manual Integrations
APPROVED

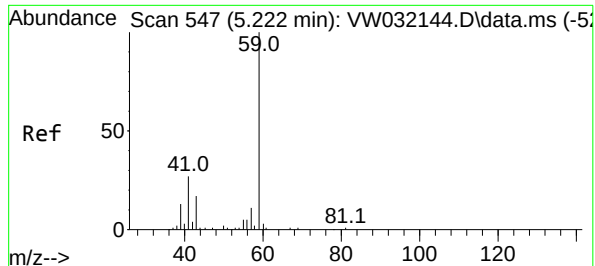
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#10
Methyl Iodide
Concen: 20.641 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:142 Resp: 65366
Ion Ratio Lower Upper
142 100
127 47.6 38.2 57.2
141 15.4 12.2 18.2





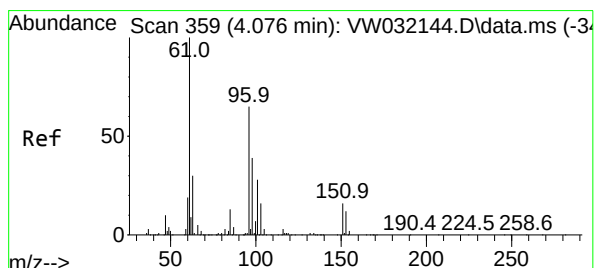
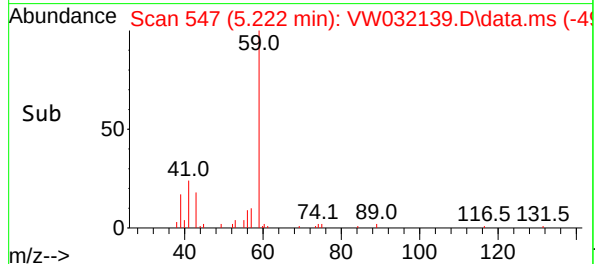
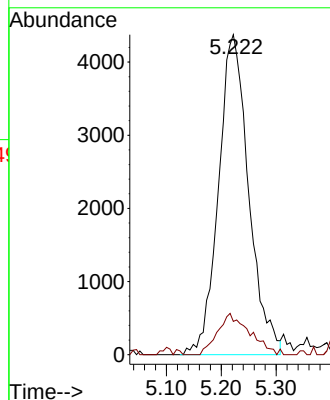
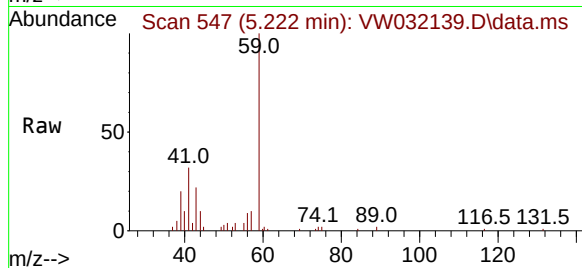
#11
Tert butyl alcohol
Concen: 92.377 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 1674
Ion Ratio Lower Upper
59 100
57 13.7 9.8 14.6

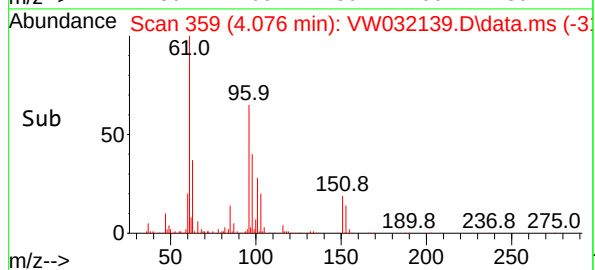
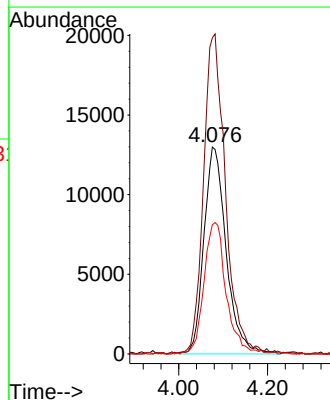
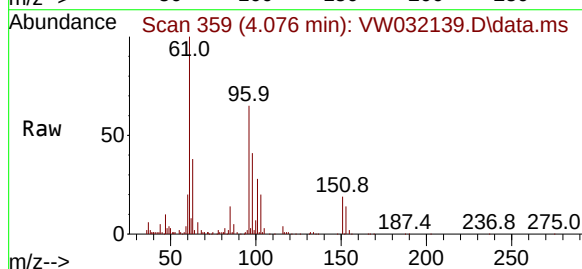
Manual Integrations
APPROVED

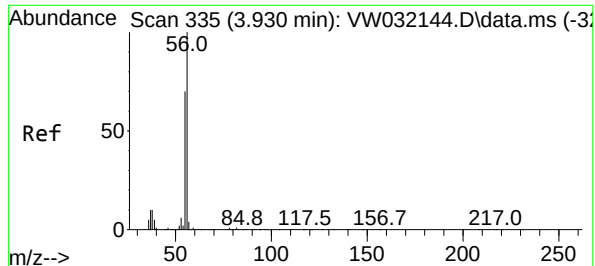
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#12
1,1-Dichloroethene
Concen: 20.707 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 96 Resp: 45354
Ion Ratio Lower Upper
96 100
61 152.0 123.0 184.4
98 62.5 48.5 72.7





#13

Acrolein

Concen: 95.503 ug/l

RT: 3.930 min Scan# 31

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 26614

Ion Ratio Lower Upper

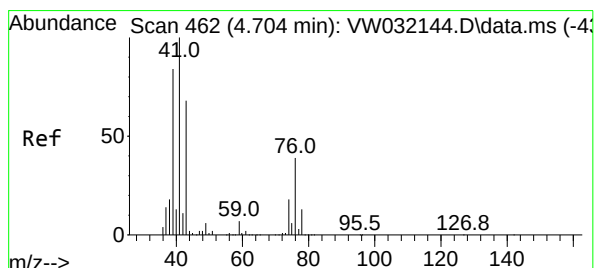
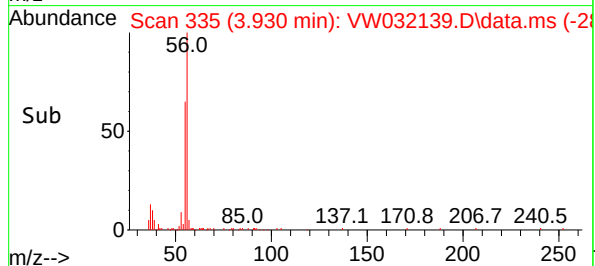
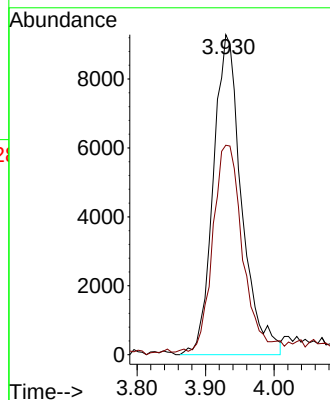
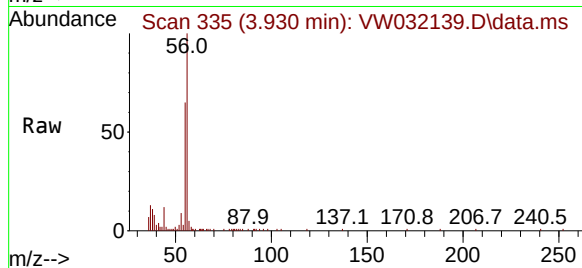
56 100

55 68.2 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#14

Allyl chloride

Concen: 19.960 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

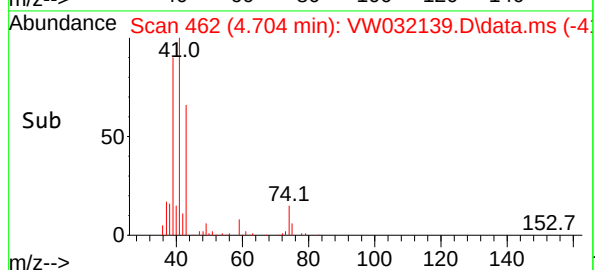
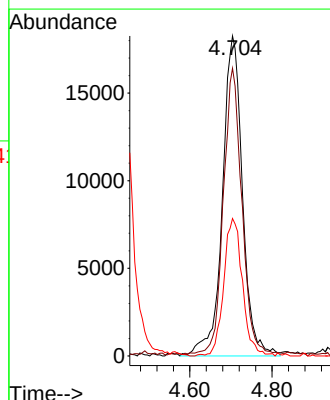
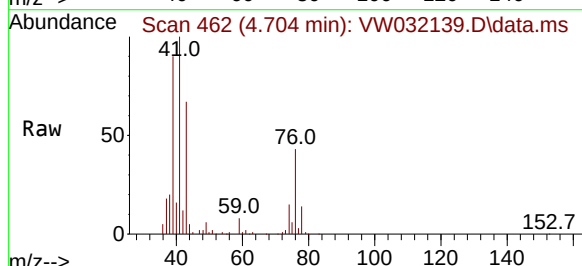
Tgt Ion: 41 Resp: 62098

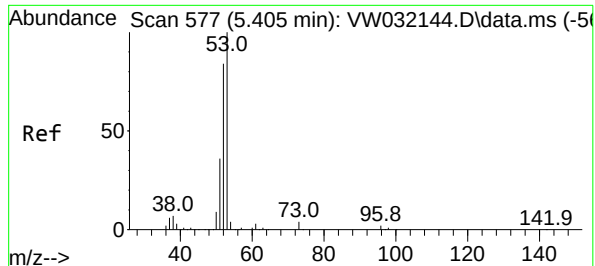
Ion Ratio Lower Upper

41 100

39 82.8 64.1 96.1

76 39.7 31.4 47.2





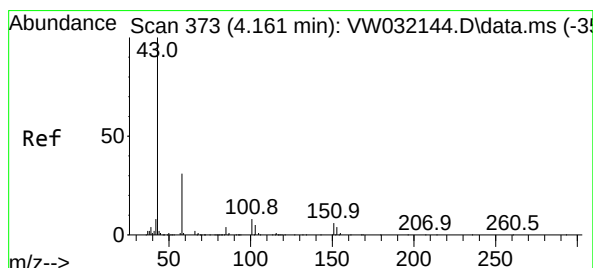
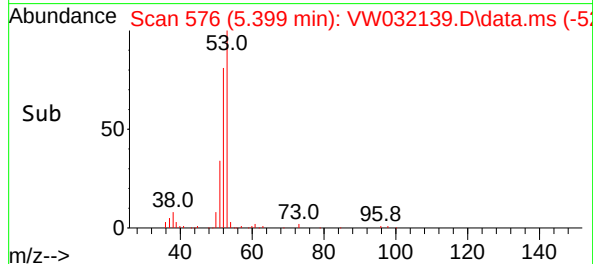
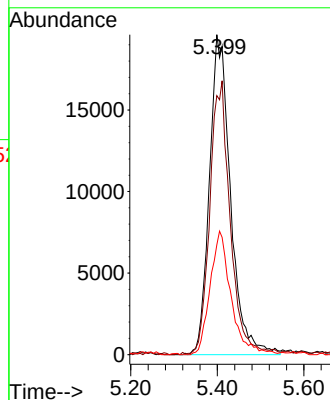
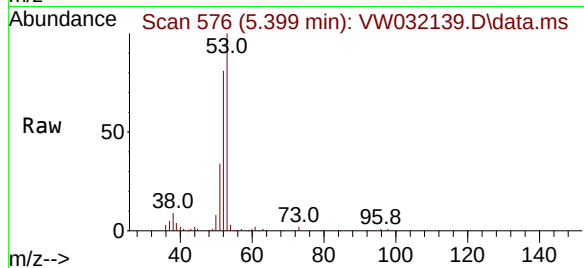
#15
Acrylonitrile
Concen: 99.123 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 6639
Ion Ratio Lower Upper
53 100
52 81.2 67.4 101.2
51 38.4 30.3 45.5

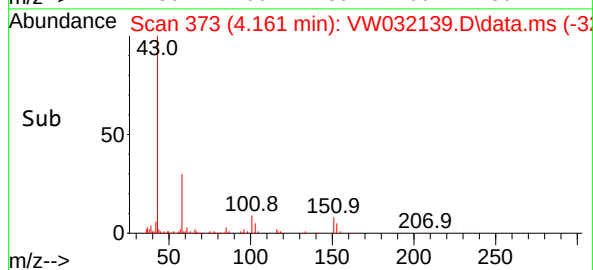
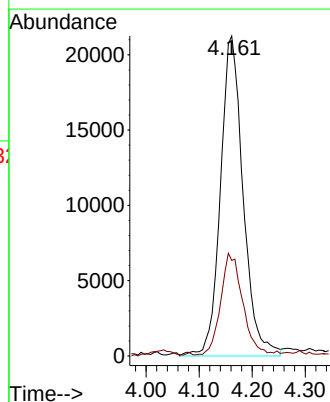
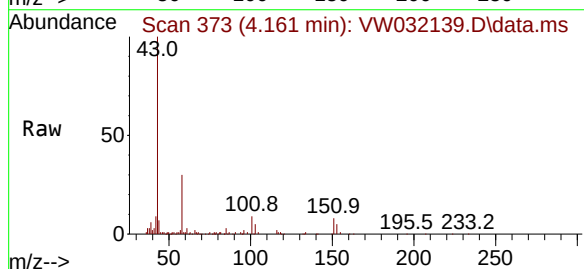
Manual Integrations
APPROVED

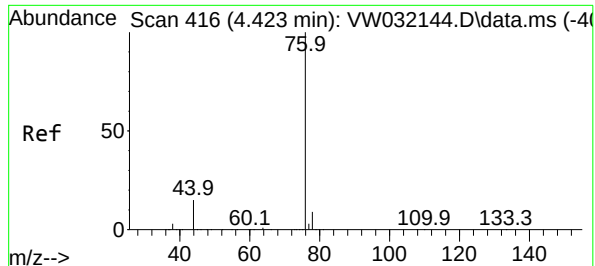
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16
Acetone
Concen: 98.351 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 63129
Ion Ratio Lower Upper
43 100
58 29.4 25.3 37.9





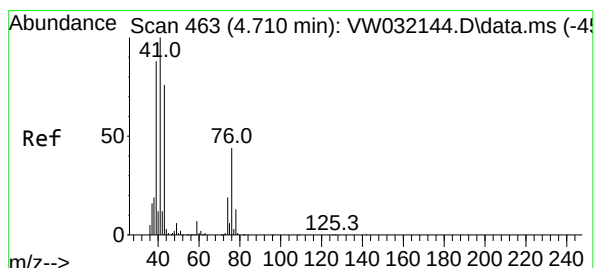
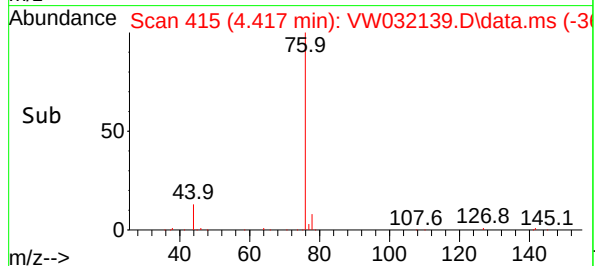
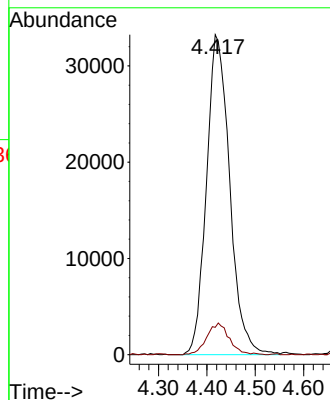
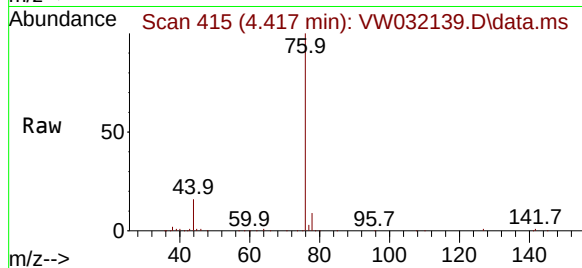
#17
Carbon Disulfide
Concen: 20.273 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 111058
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6

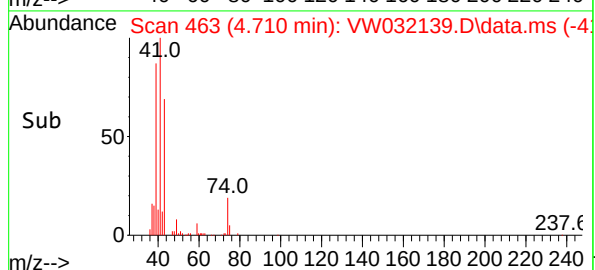
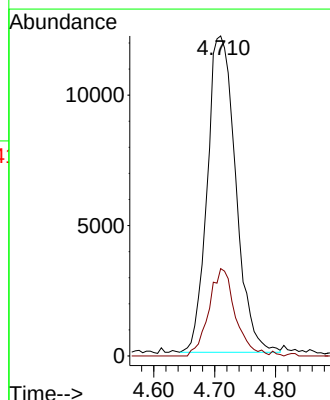
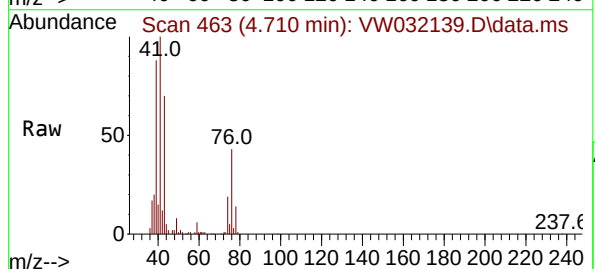
Manual Integrations
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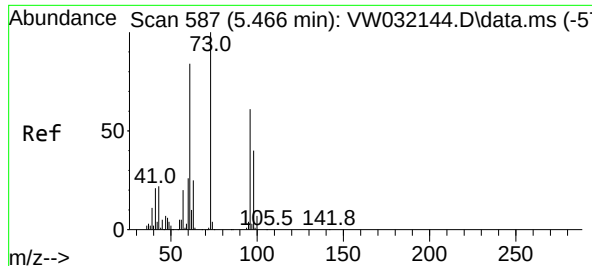
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#18
Methyl Acetate
Concen: 19.232 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 39333
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 20.069 ug/l

RT: 5.466 min Scan# 587

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 83004

Ion Ratio Lower Upper

73 100

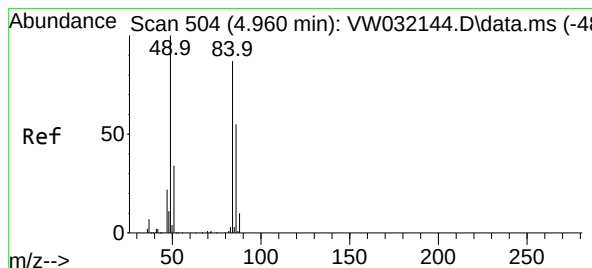
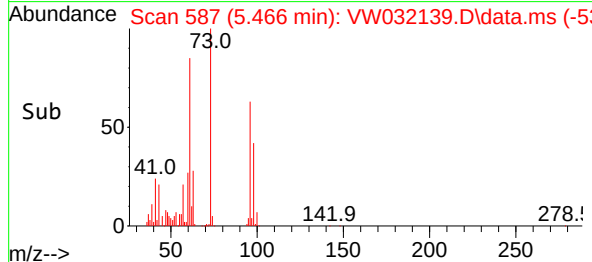
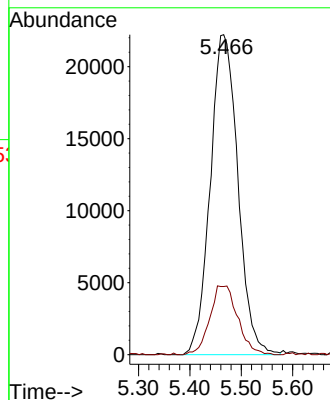
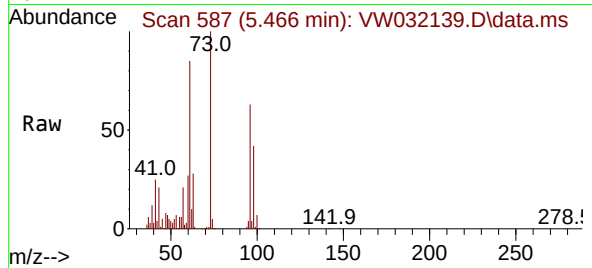
57 21.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 20.052 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion: 84 Resp: 59672

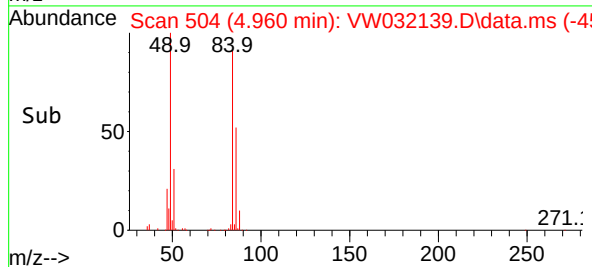
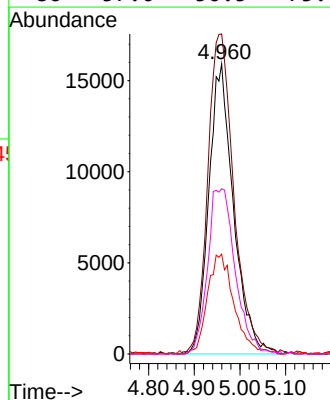
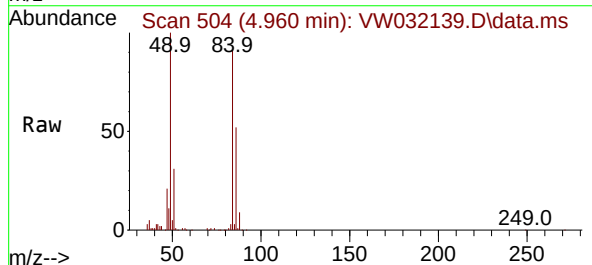
Ion Ratio Lower Upper

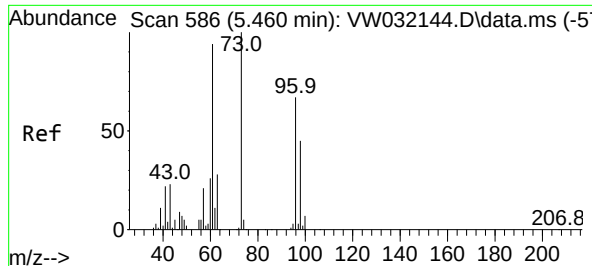
84 100

49 110.3 92.2 138.4

51 34.4 31.0 46.6

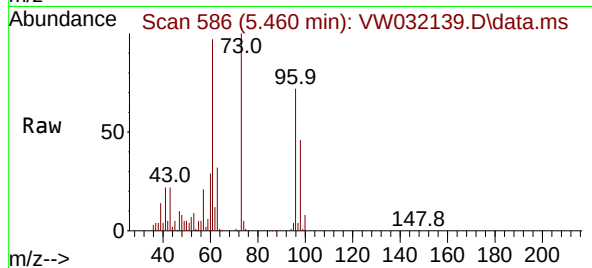
86 57.0 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 20.469 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

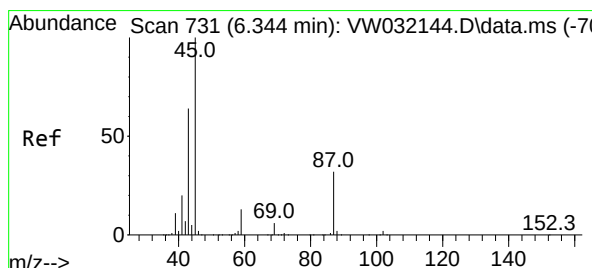
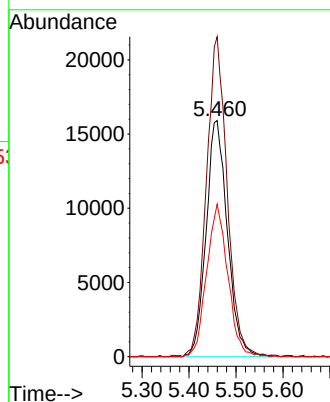
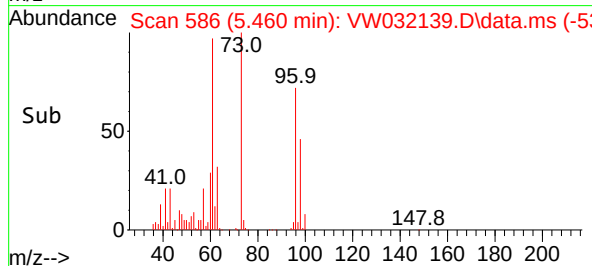
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 5008
Ion Ratio Lower Upper
96 100
61 135.5 112.5 168.7
98 64.6 54.2 81.4

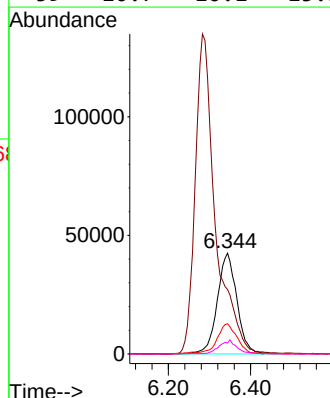
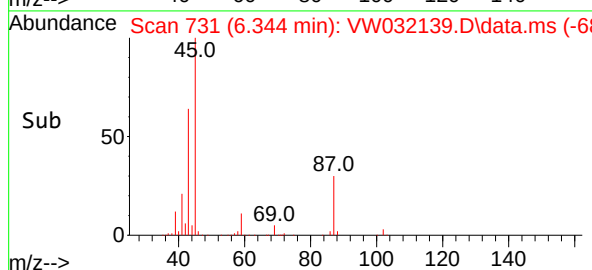
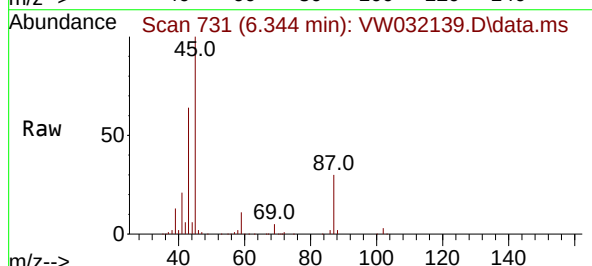
Manual Integrations
APPROVED

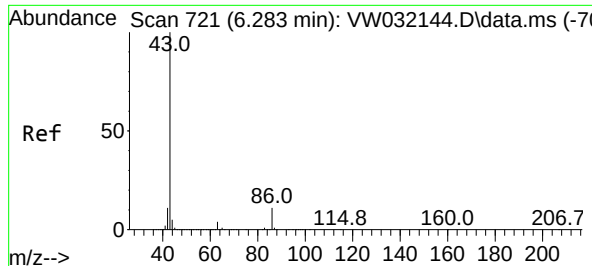
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 20.752 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 45 Resp: 140521
Ion Ratio Lower Upper
45 100
43 63.2 51.4 77.2
87 29.7 25.9 38.9
59 10.7 10.1 15.1





#23

Vinyl Acetate

Concen: 99.855 ug/l

RT: 6.283 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 459708

Ion Ratio Lower Upper

43

100

86

11.8

8.8

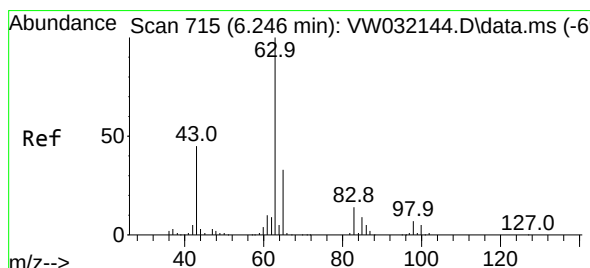
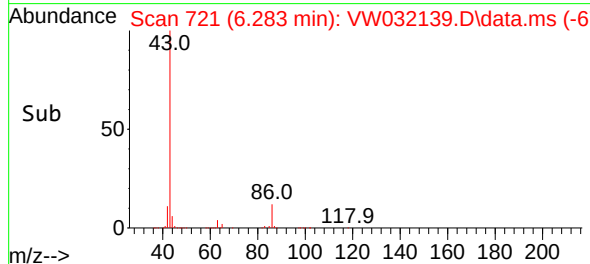
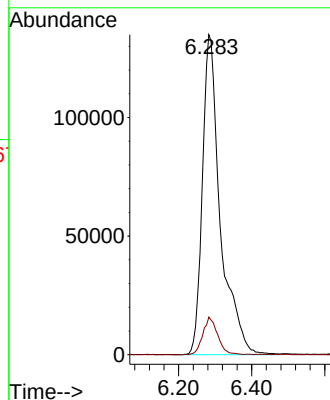
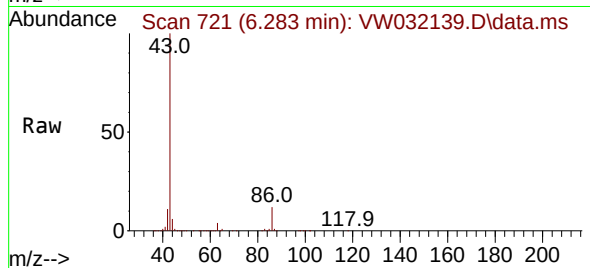
13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#24

1,1-Dichloroethane

Concen: 20.257 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion: 63 Resp: 89798

Ion Ratio Lower Upper

63

100

98

8.0

3.8

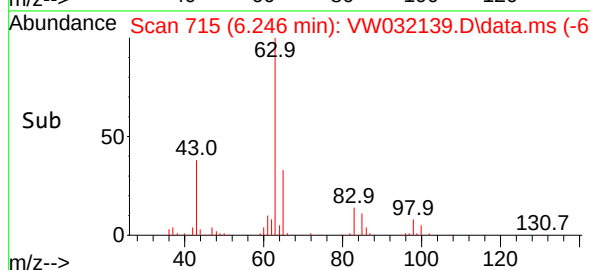
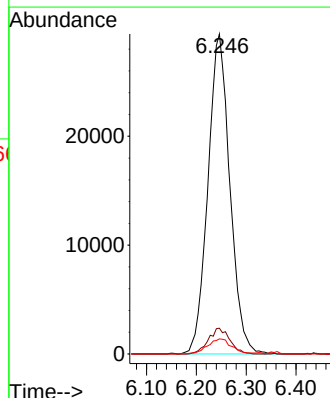
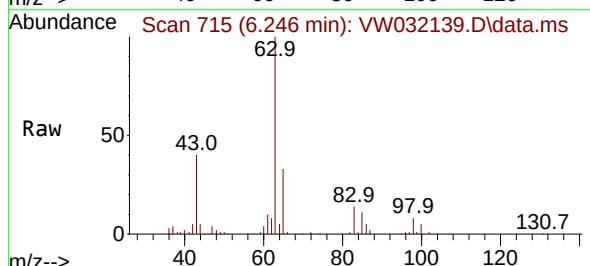
11.2

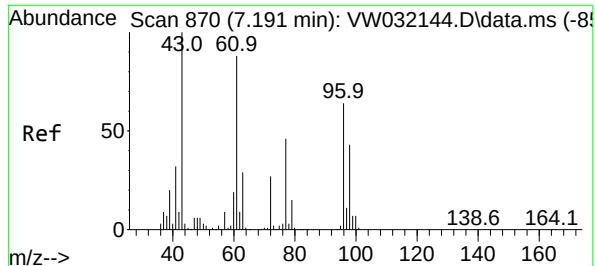
100

4.7

2.5

7.5





#25

2-Butanone

Concen: 98.843 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 89904

Ion Ratio Lower Upper

43 100

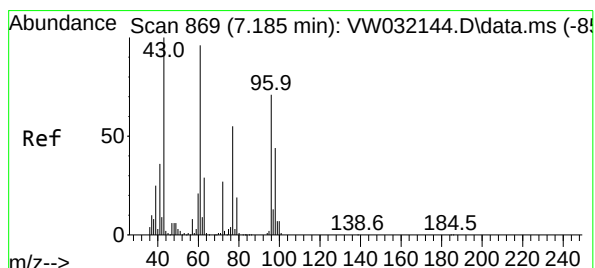
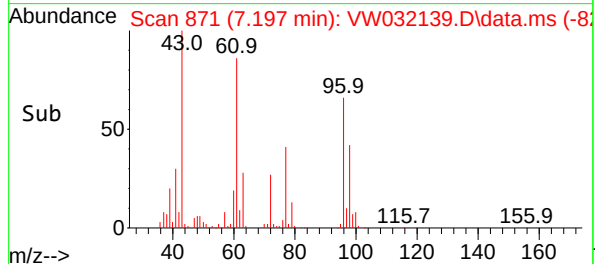
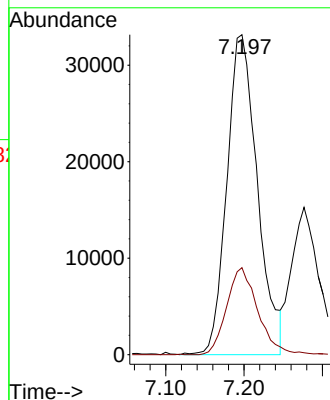
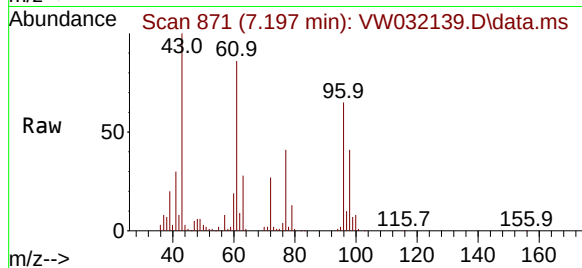
72 27.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 19.654 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.006 min

Lab File: VW032139.D

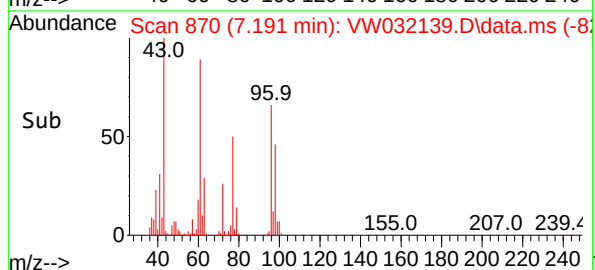
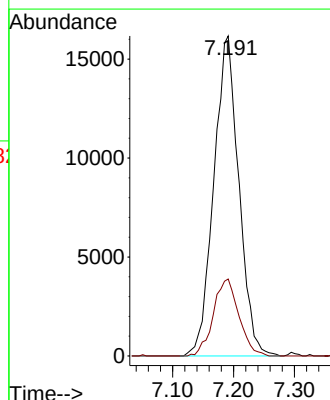
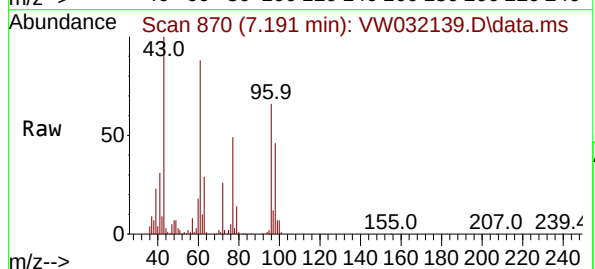
Acq: 26 Aug 2025 10:45

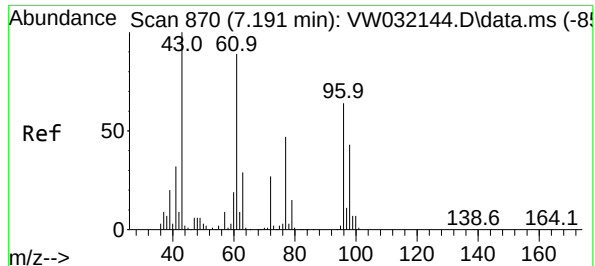
Tgt Ion: 77 Resp: 46138

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.111 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

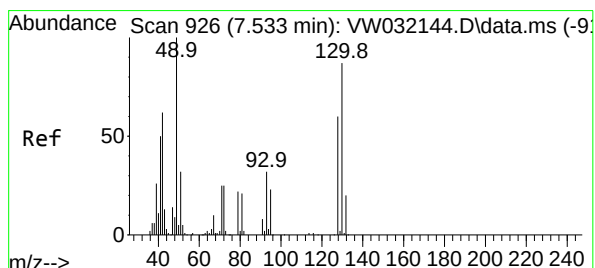
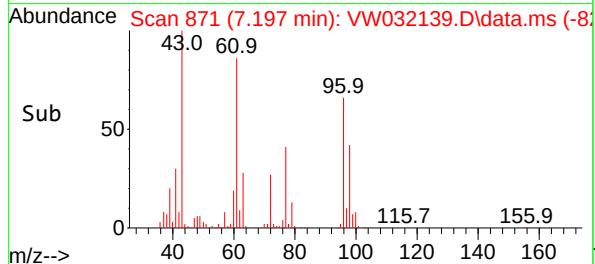
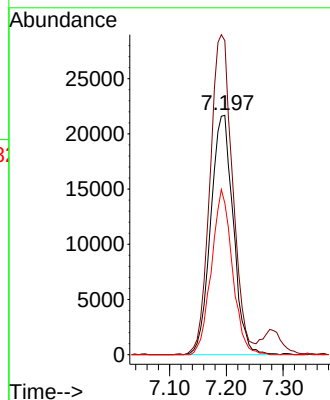
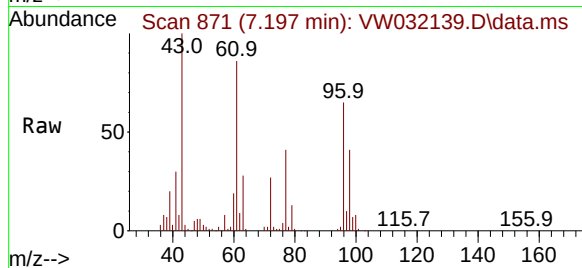
ClientSampleId :

VSTDICC020

Tgt Ion:	96	Resp:	5987
Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	268.0
98	63.9	0.0	130.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 21.071 ug/l

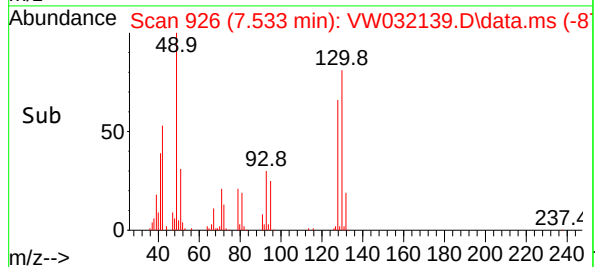
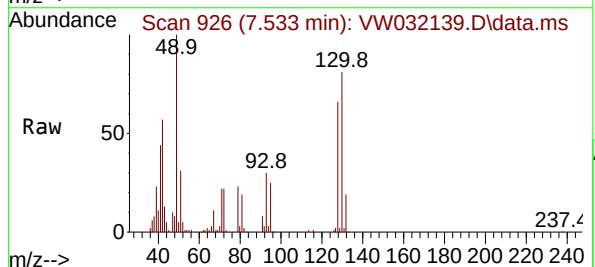
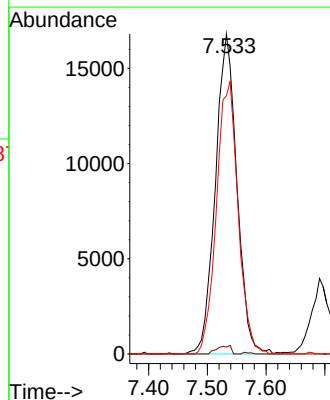
RT: 7.533 min Scan# 926

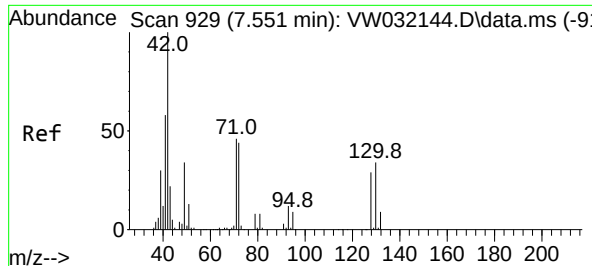
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	49	Resp:	42759
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	85.4	67.5	101.3





#29

Tetrahydrofuran

Concen: 97.972 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

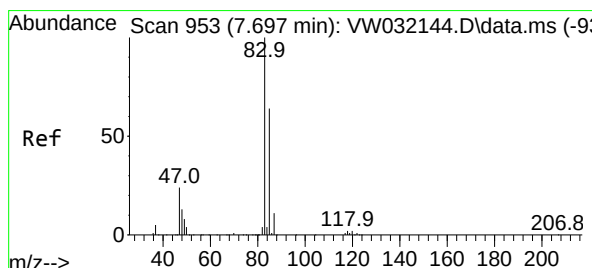
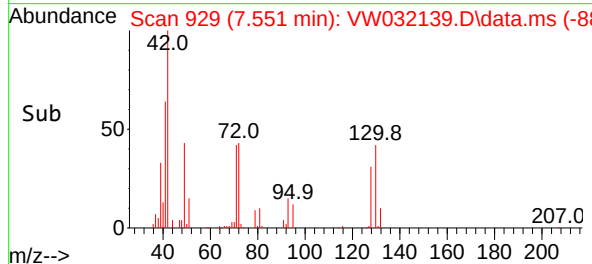
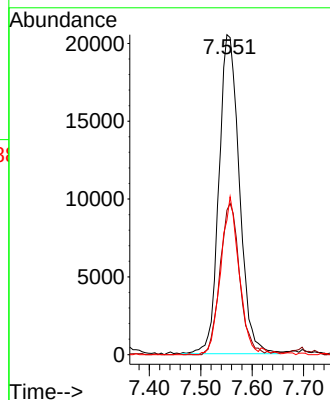
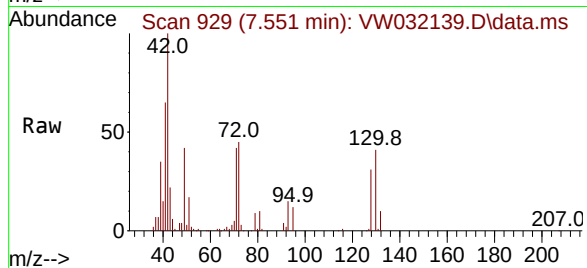
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	5662
Ion Ratio	Lower	Upper	
42	100		
72	45.7	37.4	56.2
71	44.1	36.0	54.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 20.129 ug/l

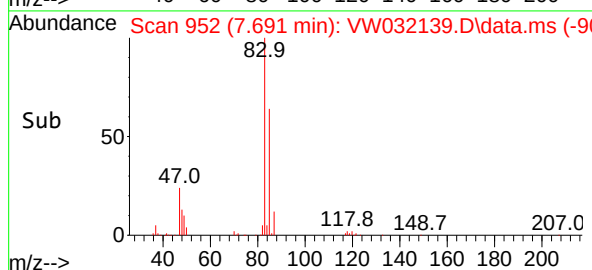
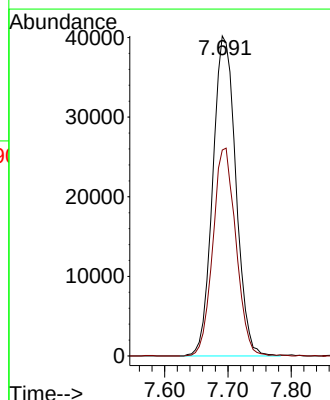
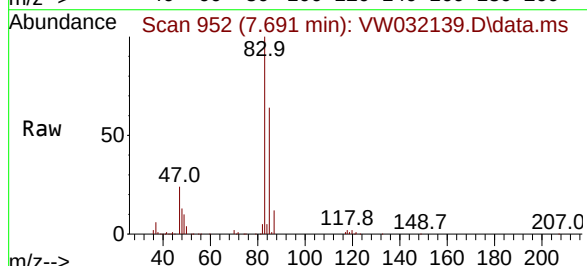
RT: 7.691 min Scan# 952

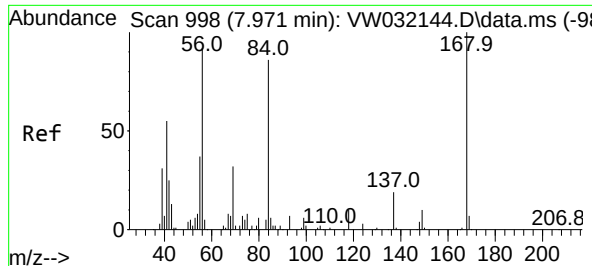
Delta R.T. -0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	83	Resp:	101880
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8





#31

Cyclohexane

Concen: 19.422 ug/l

RT: 7.972 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

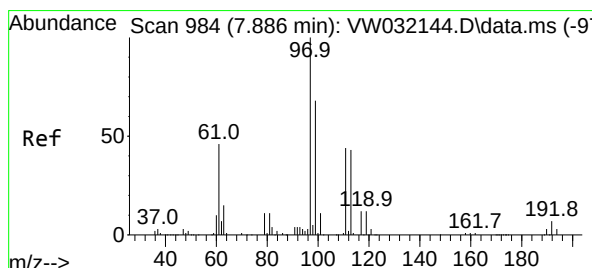
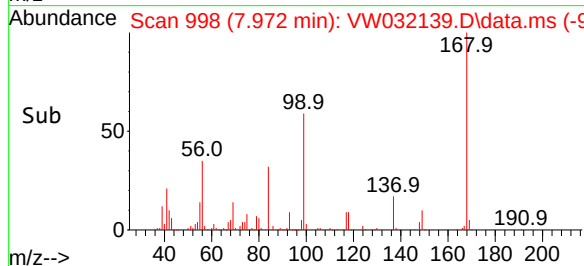
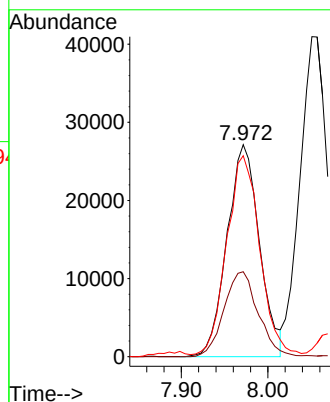
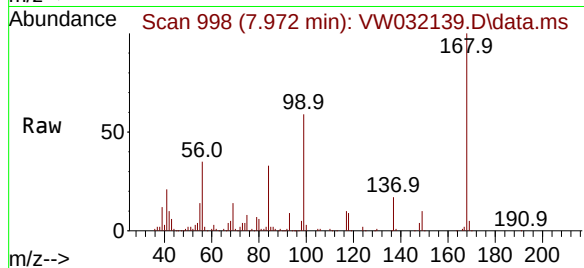
ClientSampleId :

VSTDIC020

Tgt Ion:	56	Resp:	7066
Ion Ratio	Lower	Upper	
56	100		
69	40.0	27.7	41.5
84	92.3	74.6	112.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#32

1,1,1-Trichloroethane

Concen: 20.210 ug/l

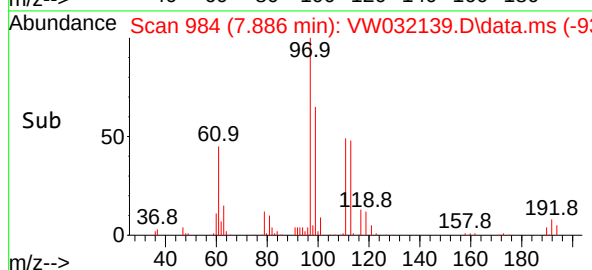
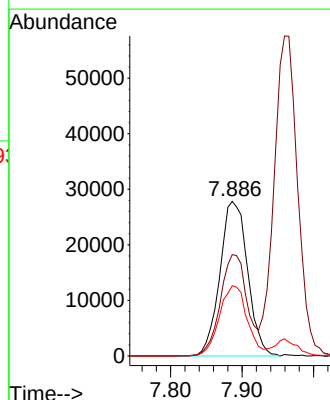
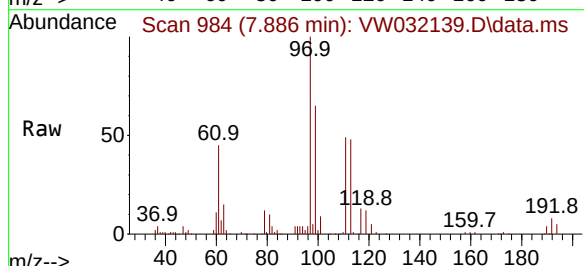
RT: 7.886 min Scan# 984

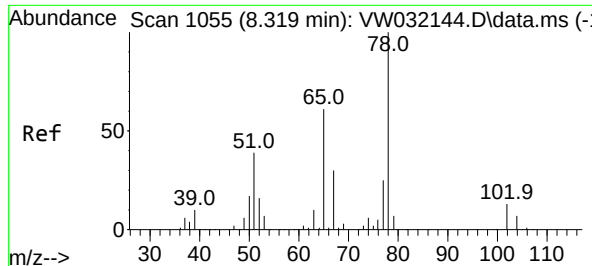
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	97	Resp:	74668
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.9	76.3
61	45.3	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 20.227 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 59949

Ion Ratio Lower Upper

65 100

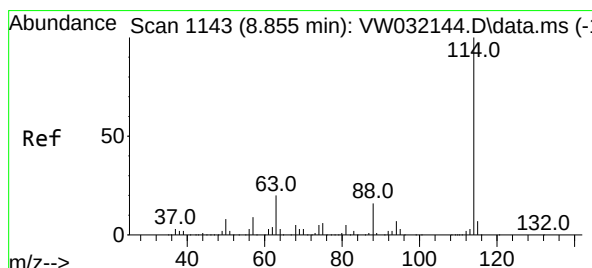
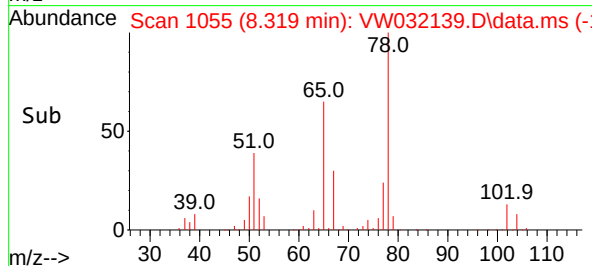
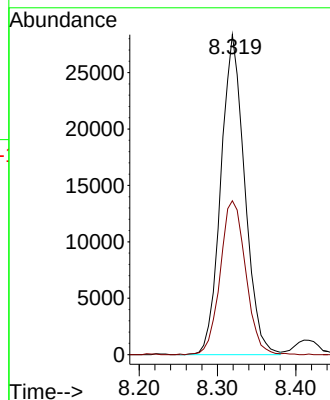
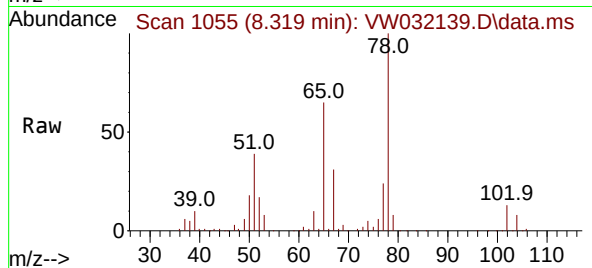
67 51.4 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

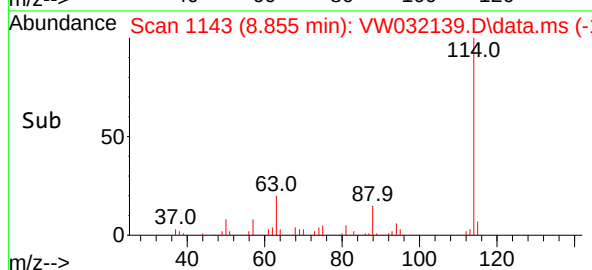
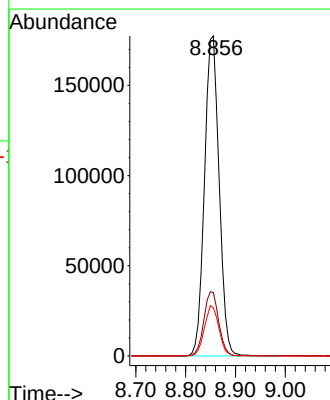
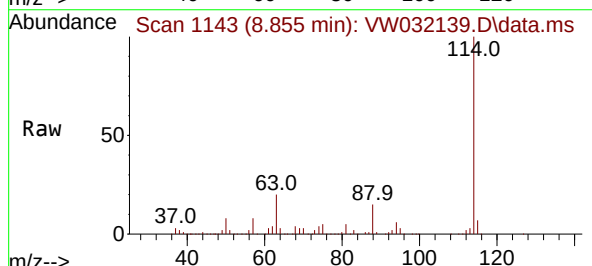
Tgt Ion:114 Resp: 361729

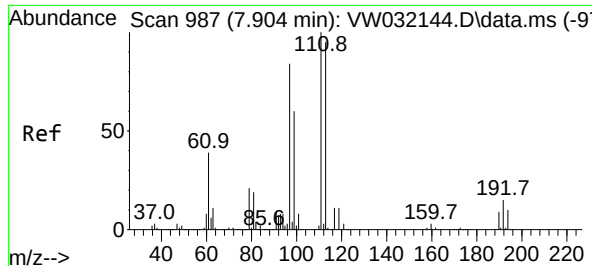
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 19.778 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

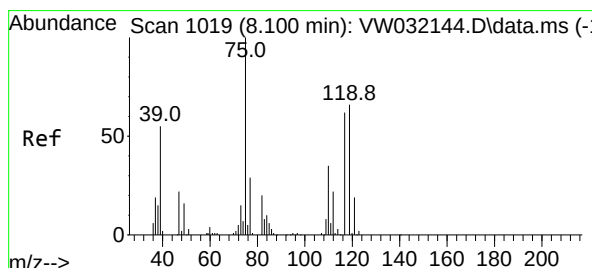
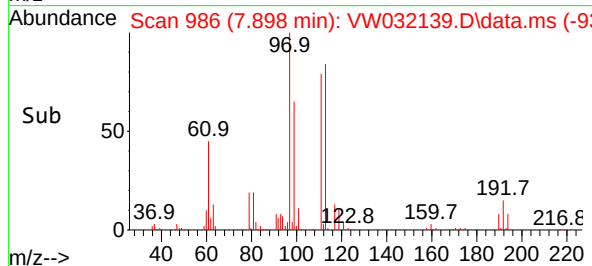
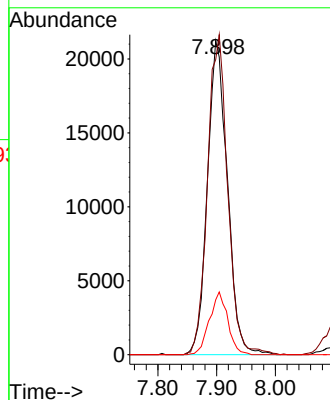
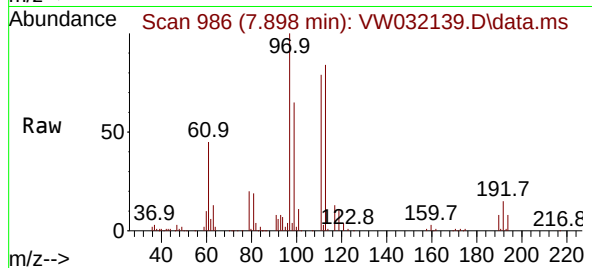
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.9	125.9
192	18.3	14.6	21.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 19.299 ug/l

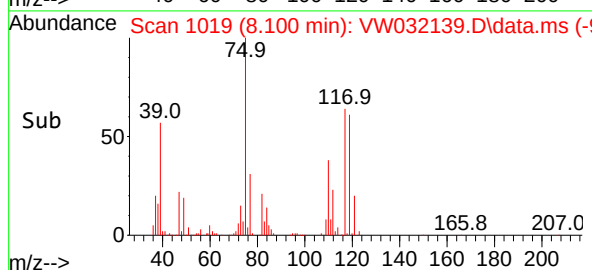
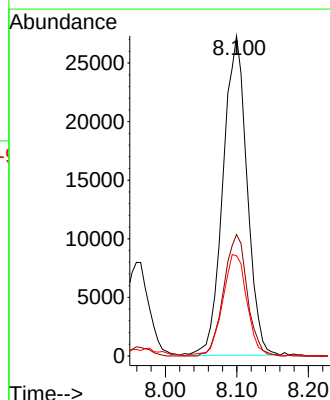
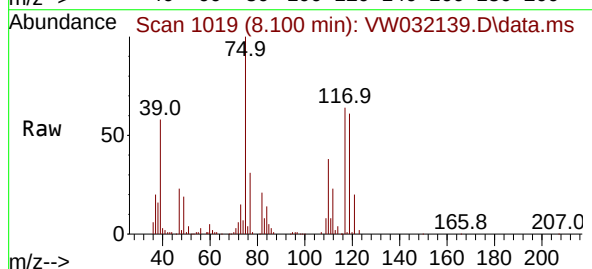
RT: 8.100 min Scan# 1019

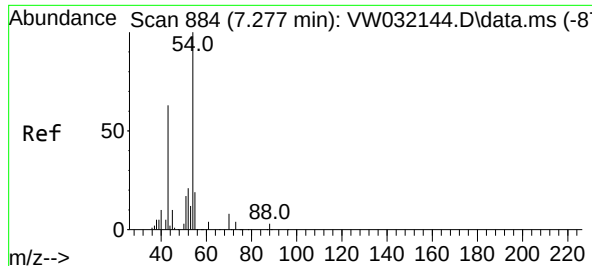
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	17.5	52.5
77	32.3	24.1	36.1





#37

Ethyl Acetate

Concen: 18.873 ug/l

RT: 7.277 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

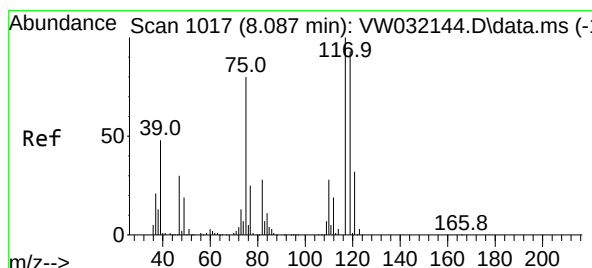
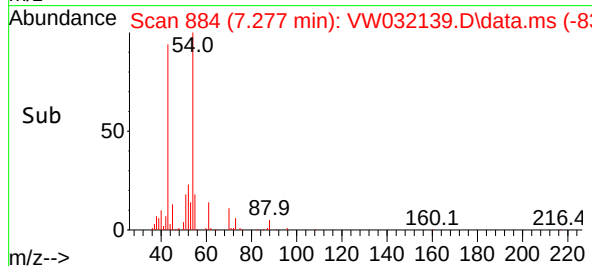
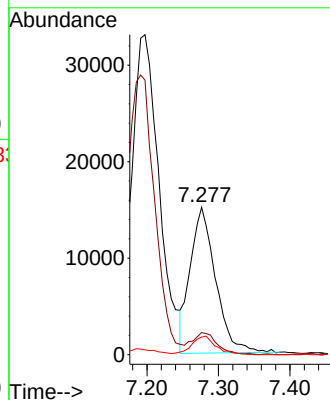
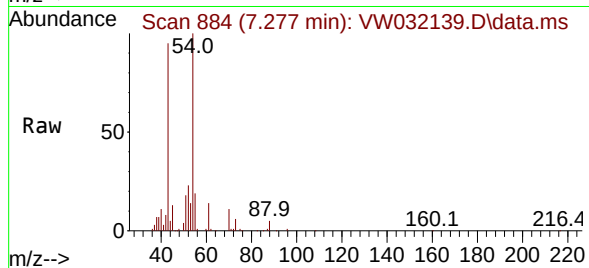
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	37254
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	12.1	8.9	13.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 19.703 ug/l

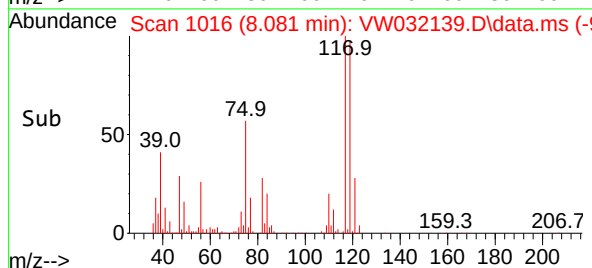
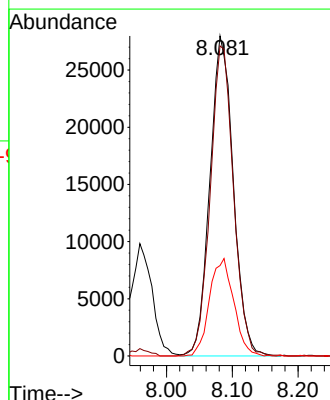
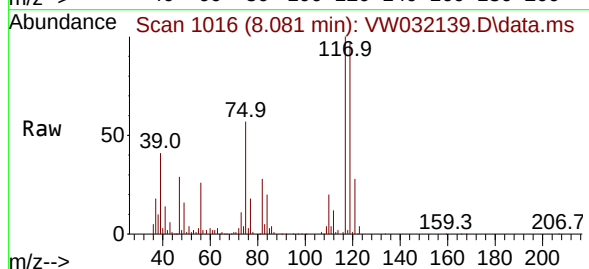
RT: 8.081 min Scan# 1016

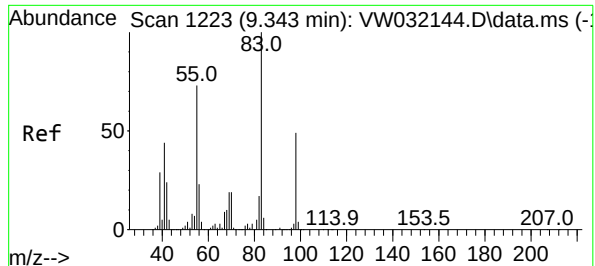
Delta R.T. -0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	117	Resp:	69501
Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.2	111.2
121	28.2	25.6	38.4





#39

Methylcyclohexane

Concen: 19.204 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 7484

Ion Ratio Lower Upper

83 100

55 76.8 58.4 87.6

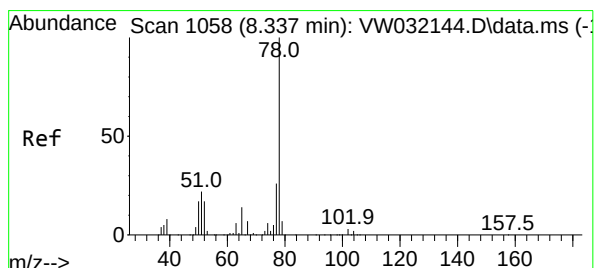
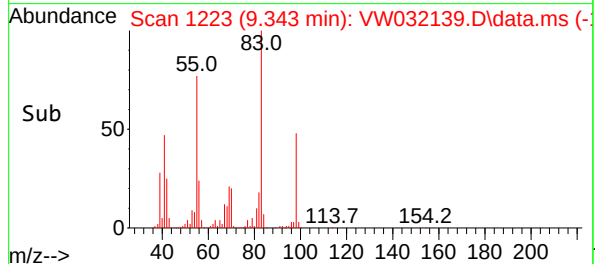
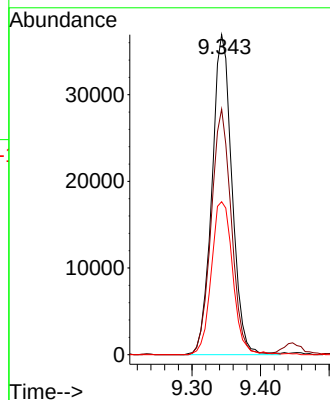
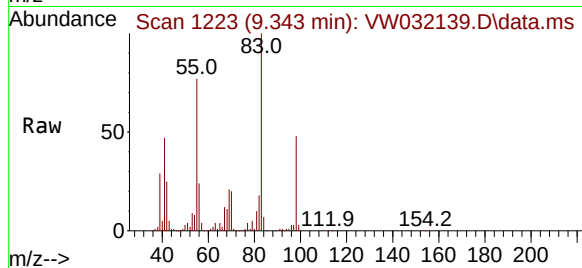
98 47.8 39.4 59.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 20.078 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032139.D

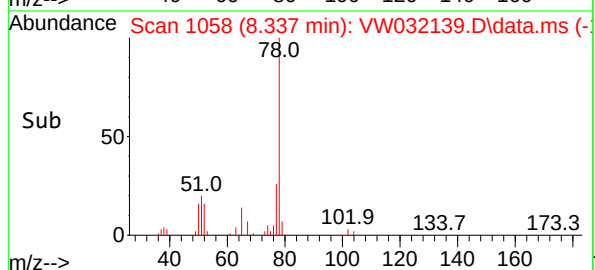
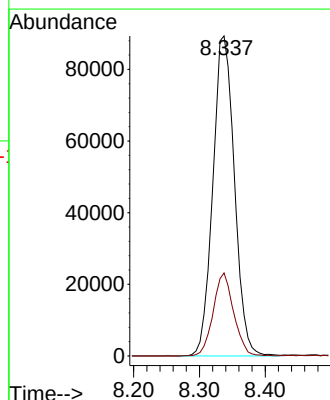
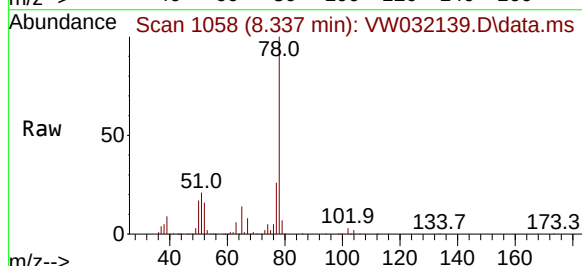
Acq: 26 Aug 2025 10:45

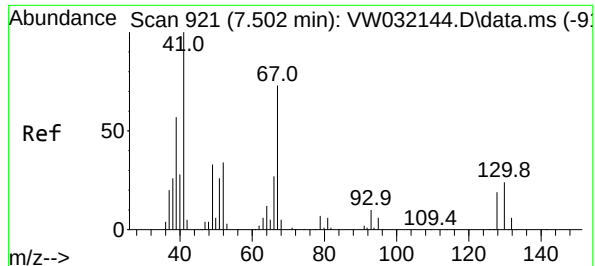
Tgt Ion: 78 Resp: 204224

Ion Ratio Lower Upper

78 100

77 25.9 20.7 31.1





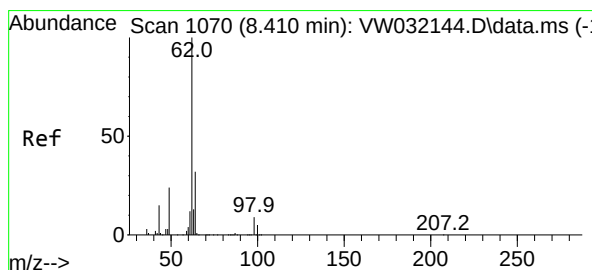
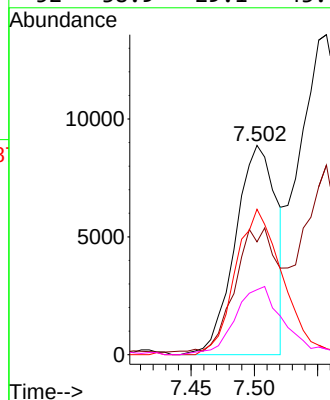
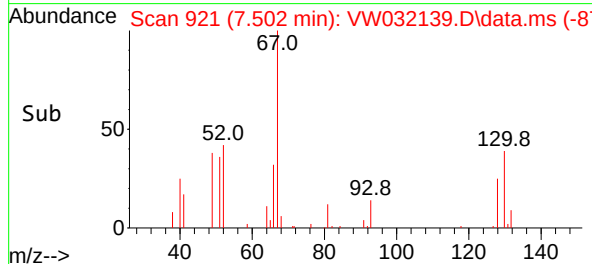
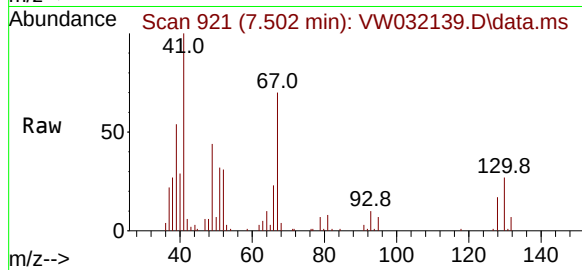
#41
Methacrylonitrile
Concen: 18.417 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:	41	Resp:	2019
Ion	Ratio	Lower	Upper
41	100		
39	59.1	50.9	76.3
67	79.2	65.6	98.4
52	38.9	29.1	43.7

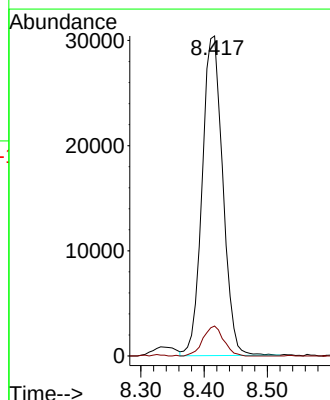
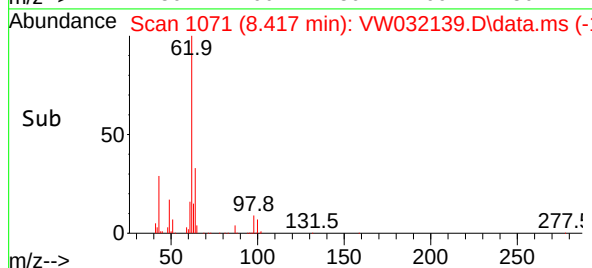
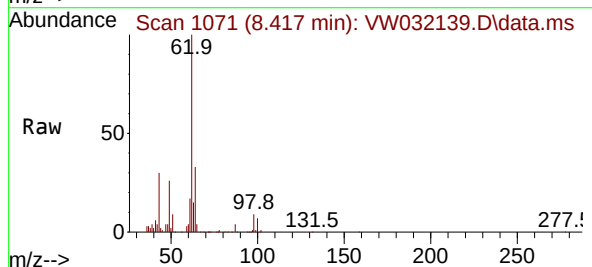
Manual Integrations
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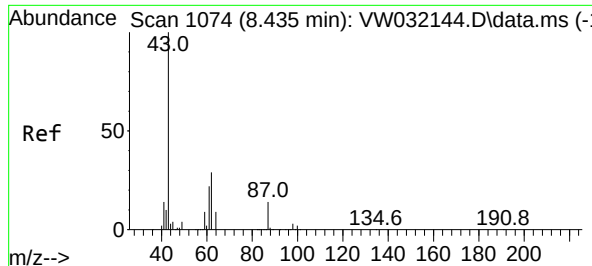
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 19.538 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

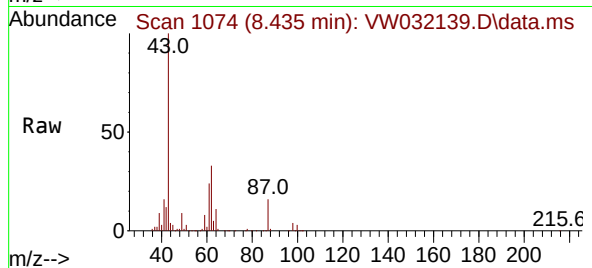
Tgt Ion:	62	Resp:	68894
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43
Isopropyl Acetate
Concen: 18.582 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

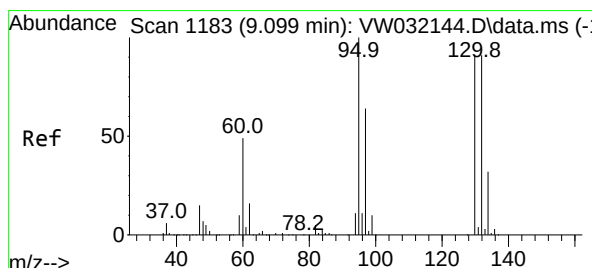
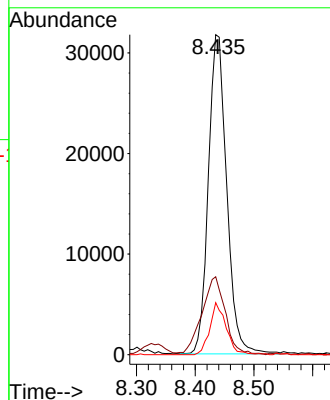
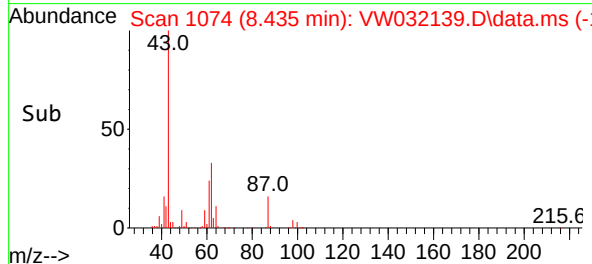
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 6881
Ion Ratio Lower Upper
43 100
61 31.3 23.3 34.9
87 14.5 11.1 16.7

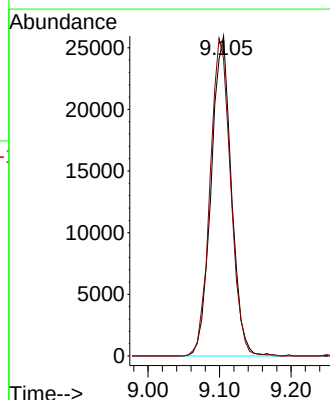
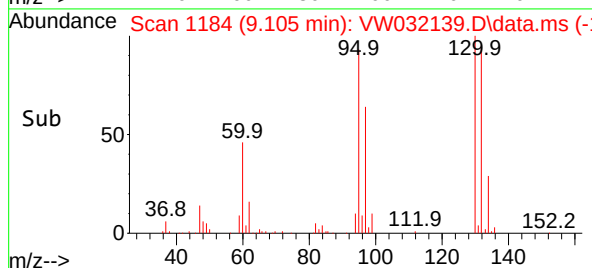
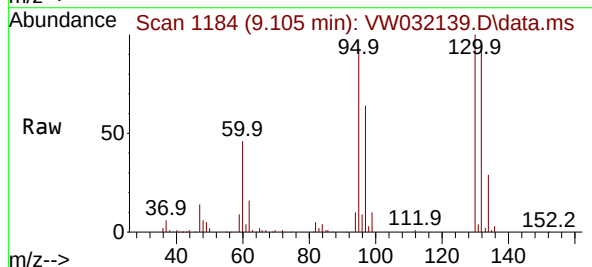
Manual Integrations
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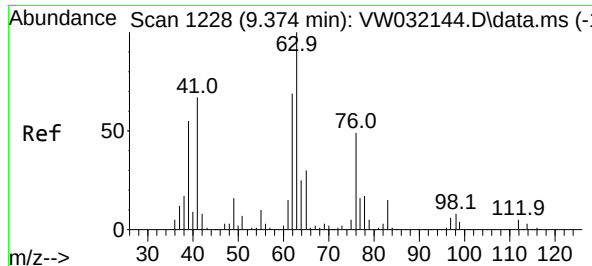
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44
Trichloroethene
Concen: 19.893 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:130 Resp: 50885
Ion Ratio Lower Upper
130 100
95 92.9 0.0 220.0





#45

1,2-Dichloropropane

Concen: 19.865 ug/l

RT: 9.380 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 48708

Ion Ratio Lower Upper

63 100

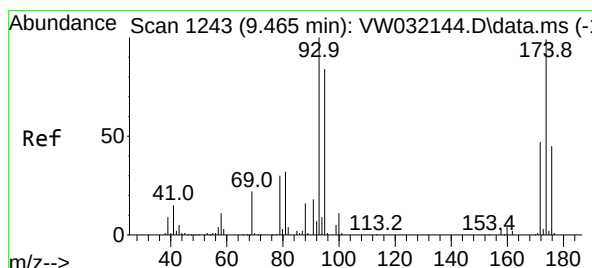
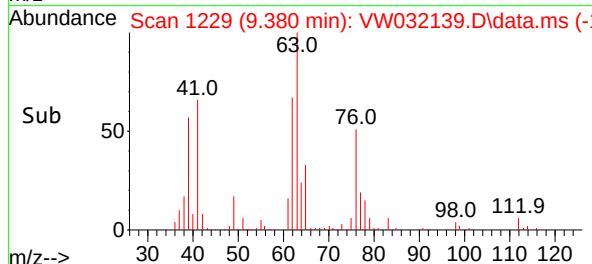
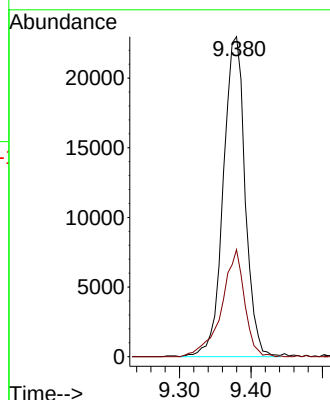
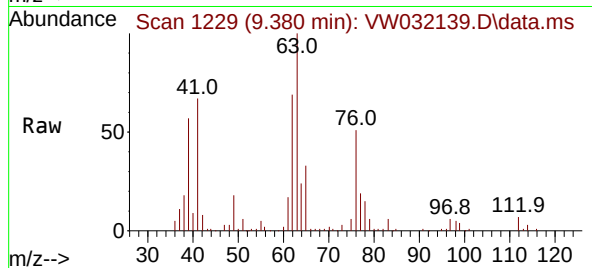
65 33.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 20.064 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

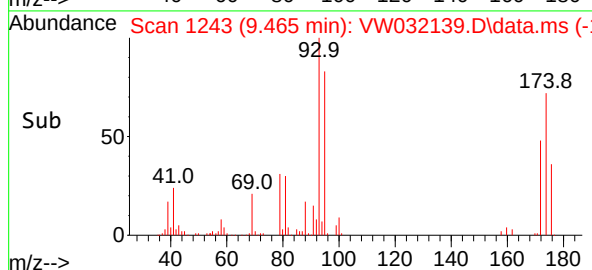
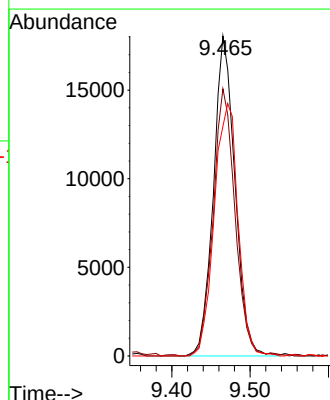
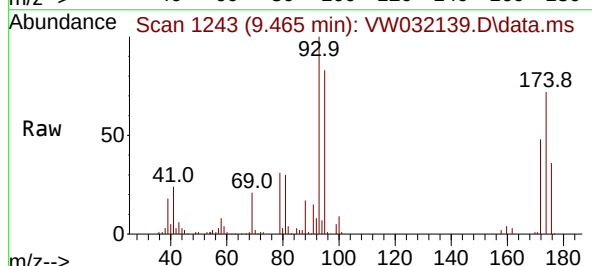
Tgt Ion: 93 Resp: 34506

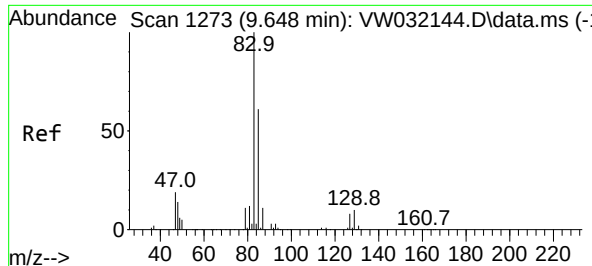
Ion Ratio Lower Upper

93 100

95 85.1 67.4 101.2

174 87.1 75.7 113.5





#47

Bromodichloromethane

Concen: 19.528 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

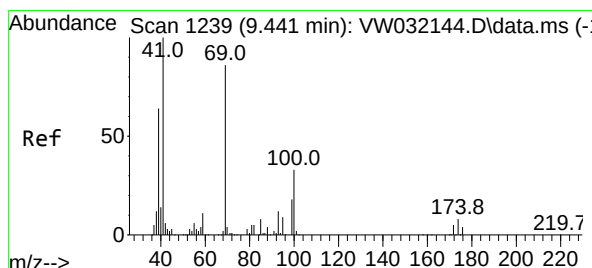
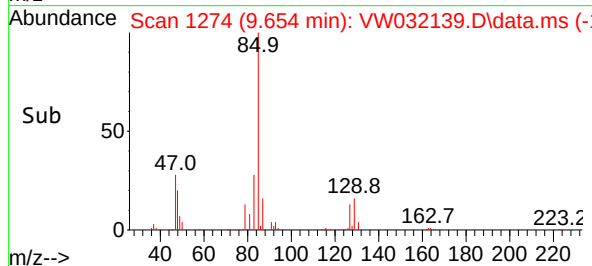
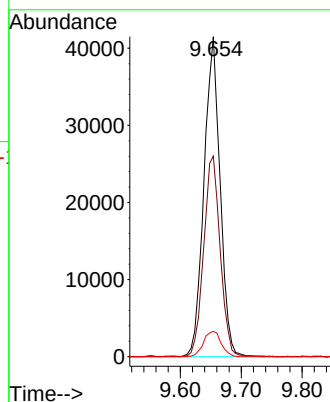
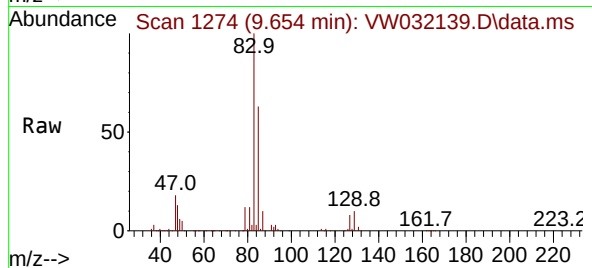
VSTDICC020

Tgt Ion:	83	Resp:	76320
Ion	Ratio	Lower	Upper
83	100		
85	62.7	48.7	73.1
127	8.0	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48

Methyl methacrylate

Concen: 19.347 ug/l

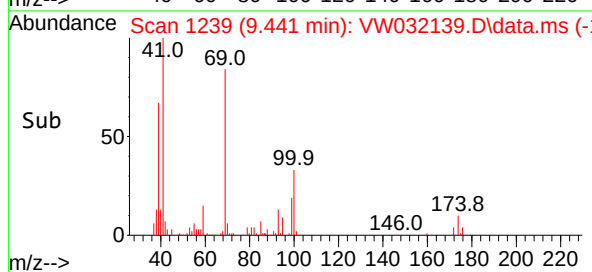
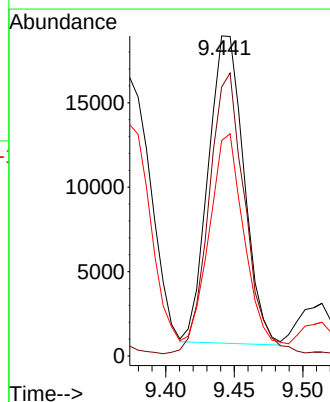
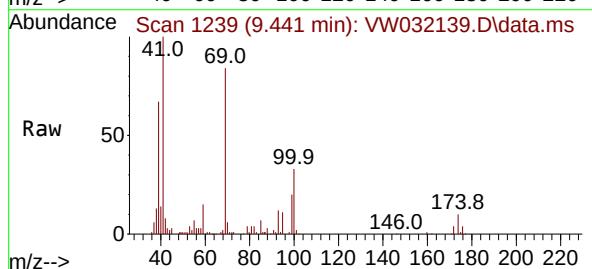
RT: 9.441 min Scan# 1239

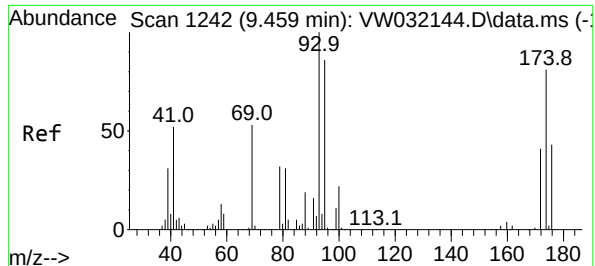
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	41	Resp:	33017
Ion	Ratio	Lower	Upper
41	100		
69	96.0	71.5	107.3
39	72.7	55.9	83.9





#49

1,4-Dioxane

Concen: 431.107 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 8958

Ion Ratio Lower Upper

88 100

43 23.9 18.0 27.0

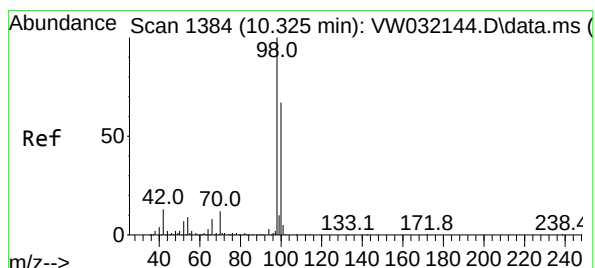
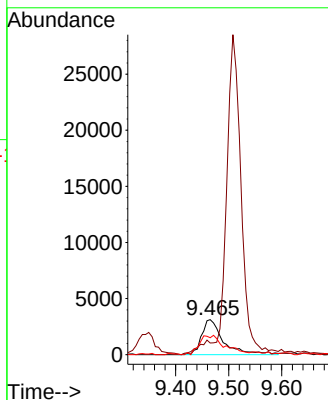
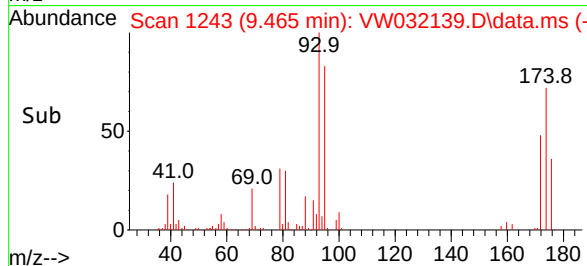
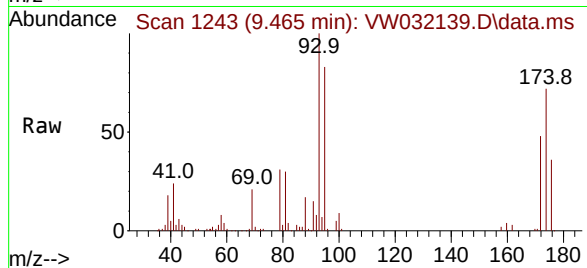
58 64.3 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 20.051 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032139.D

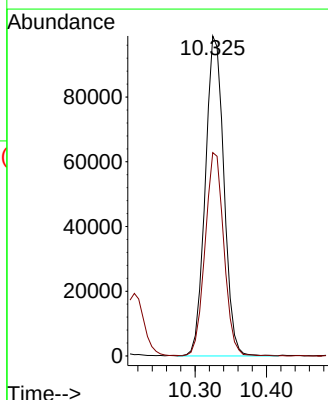
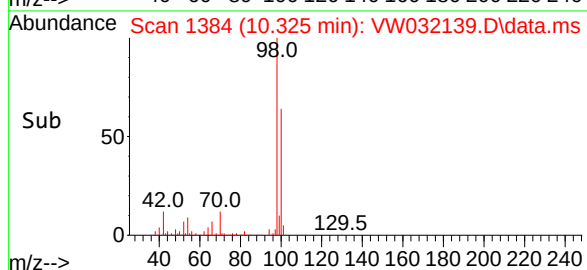
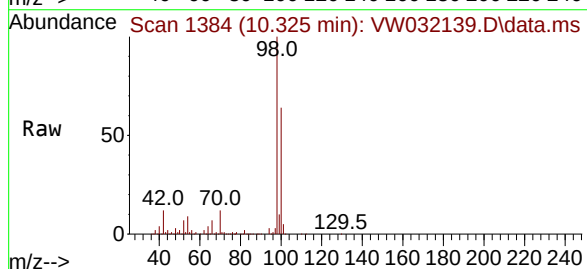
Acq: 26 Aug 2025 10:45

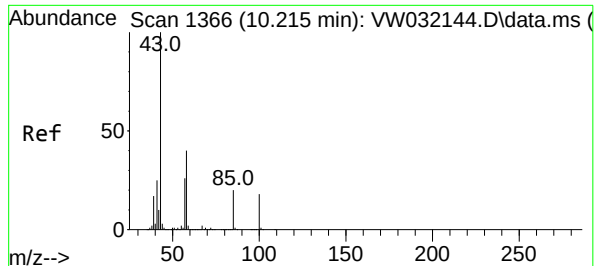
Tgt Ion: 98 Resp: 178639

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2





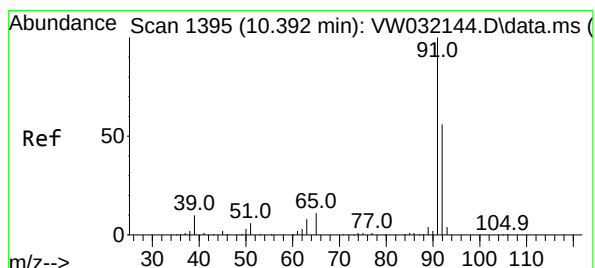
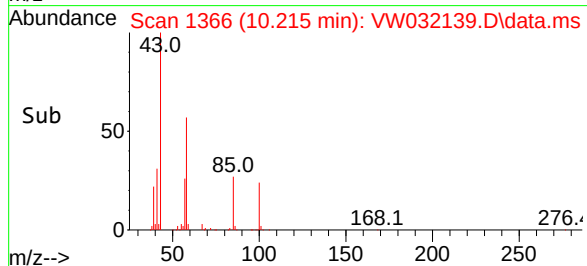
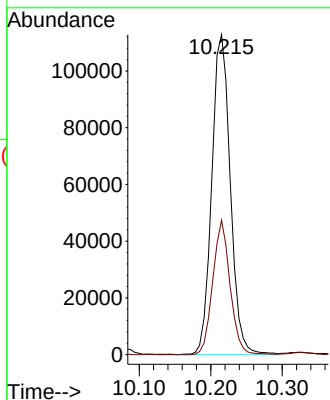
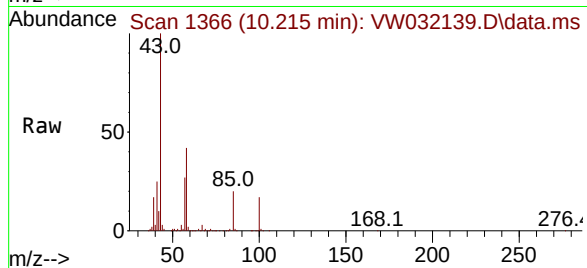
#51
4-Methyl-2-Pentanone
Concen: 97.262 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 203375
Ion Ratio Lower Upper
43 100
58 39.2 32.0 48.0

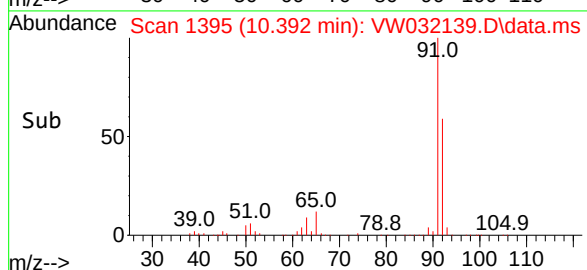
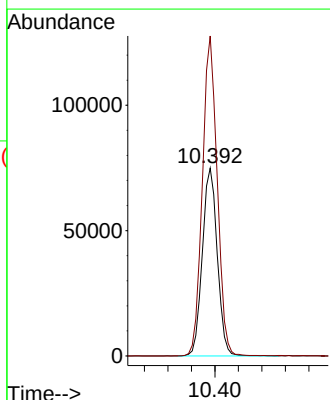
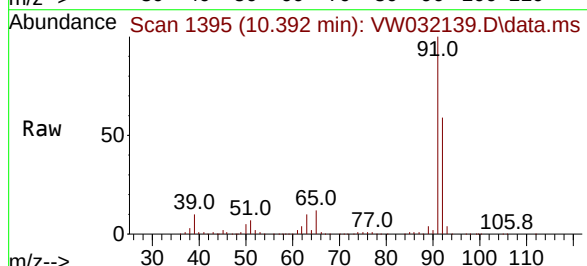
Manual Integrations
APPROVED

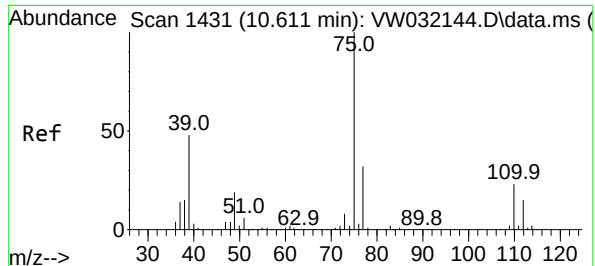
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 19.861 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

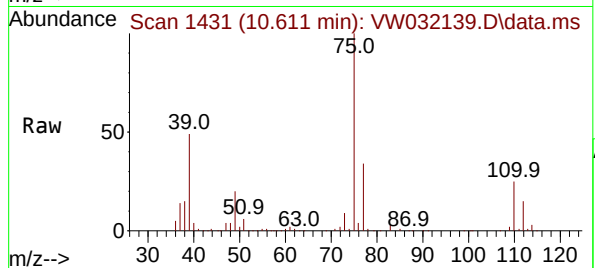
Tgt Ion: 92 Resp: 132013
Ion Ratio Lower Upper
92 100
91 169.6 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 18.922 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

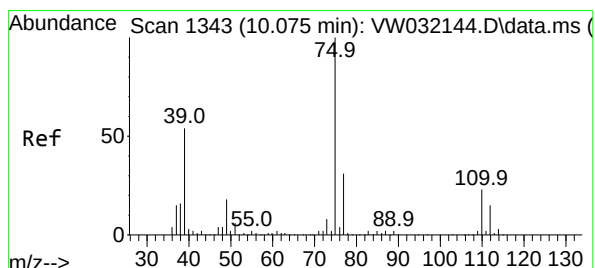
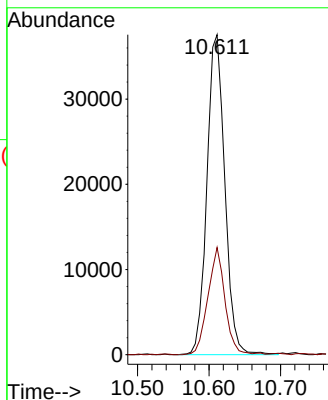
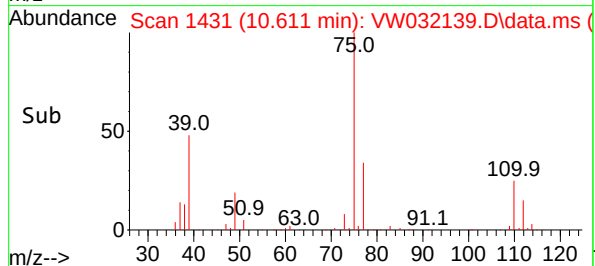
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 65239
Ion Ratio Lower Upper
75 100
77 33.5 25.6 38.4

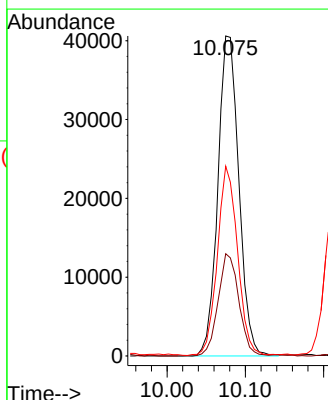
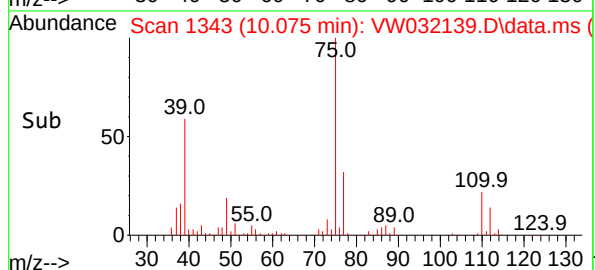
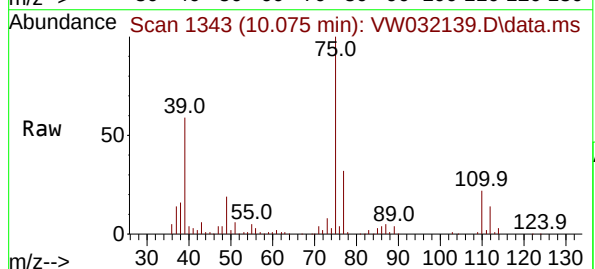
Manual Integrations
APPROVED

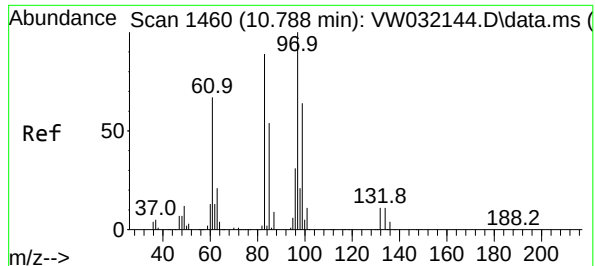
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#54
cis-1,3-Dichloropropene
Concen: 19.244 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 75 Resp: 75706
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 58.9 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 20.135 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 45028

Ion Ratio Lower Upper

97 100

83 81.5 71.0 106.6

85 56.0 42.8 64.2

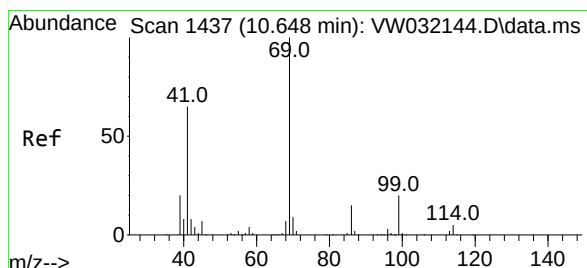
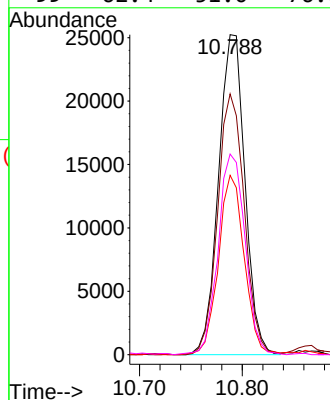
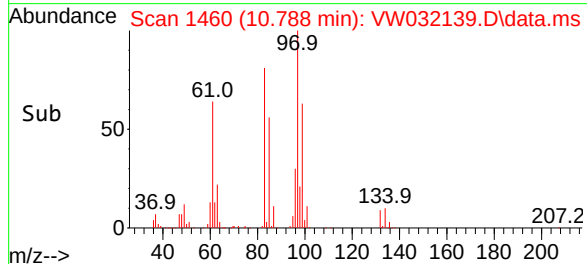
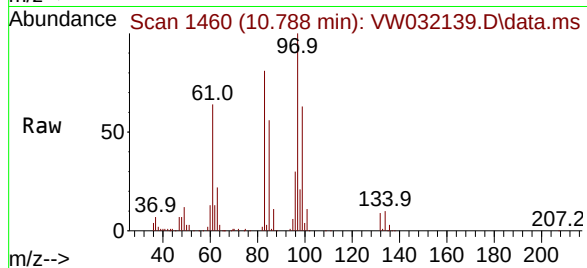
99 62.4 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 18.528 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

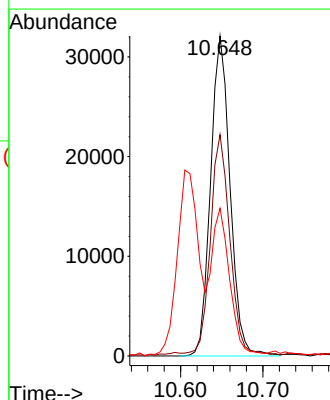
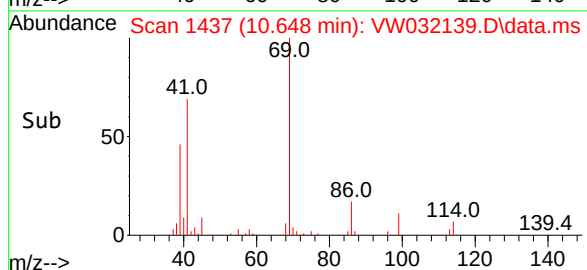
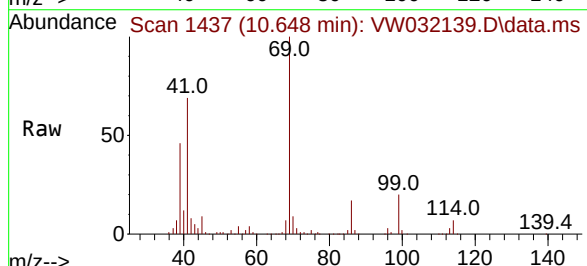
Tgt Ion: 69 Resp: 52974

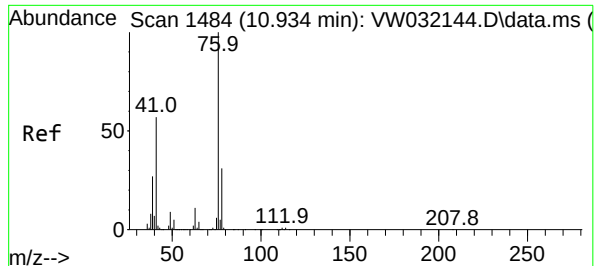
Ion Ratio Lower Upper

69 100

41 69.7 53.2 79.8

39 41.8 32.9 49.3





#57

1,3-Dichloropropane

Concen: 19.709 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 7380

Ion Ratio Lower Upper

76 100

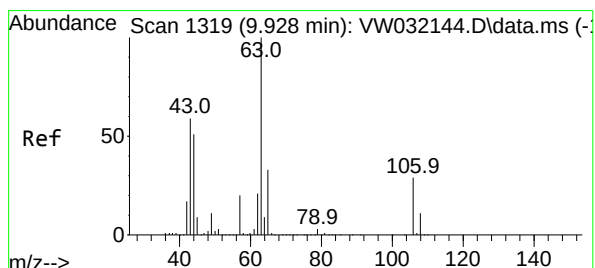
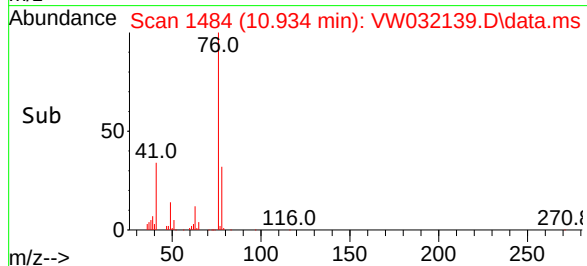
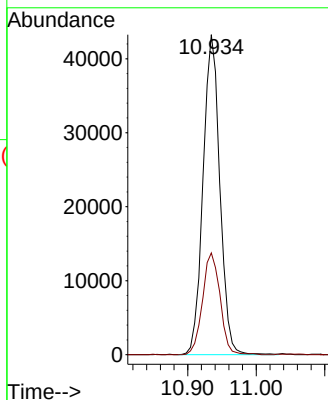
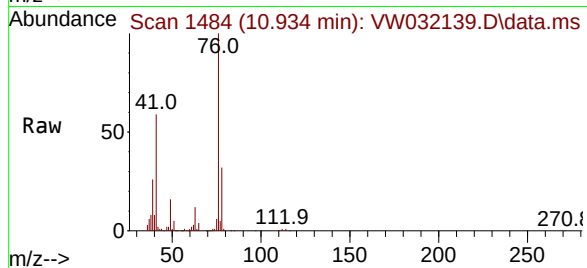
78 33.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#58

2-Chloroethyl Vinyl ether

Concen: 99.976 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032139.D

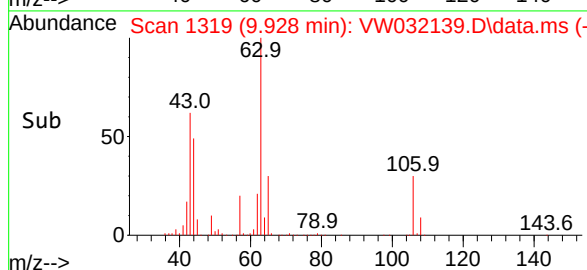
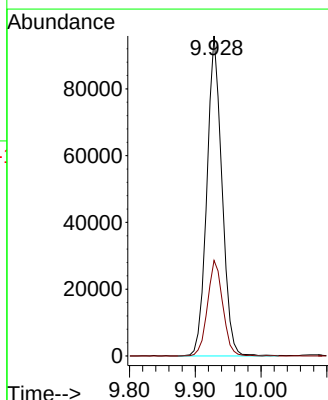
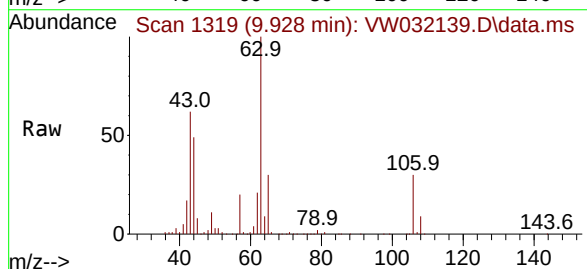
Acq: 26 Aug 2025 10:45

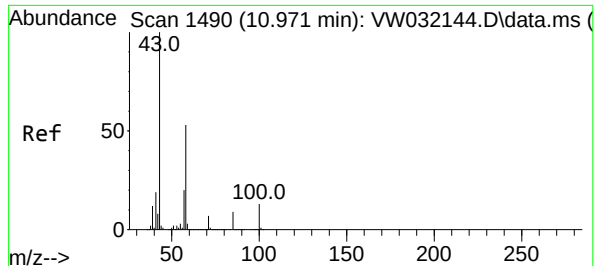
Tgt Ion: 63 Resp: 152569

Ion Ratio Lower Upper

63 100

106 30.3 24.3 36.5





#59

2-Hexanone

Concen: 95.057 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 138230

Ion Ratio Lower Upper

43 100

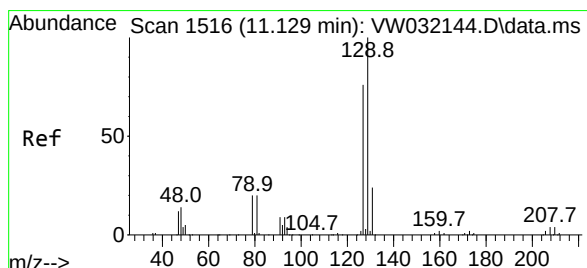
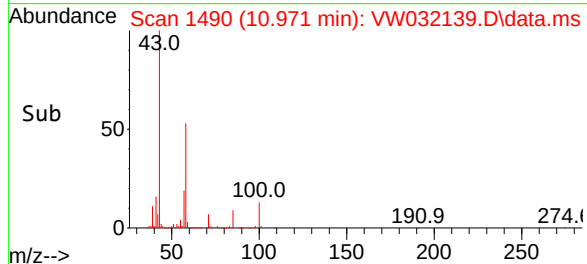
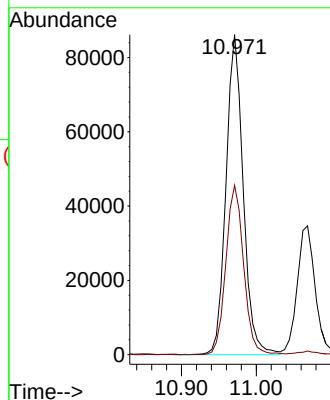
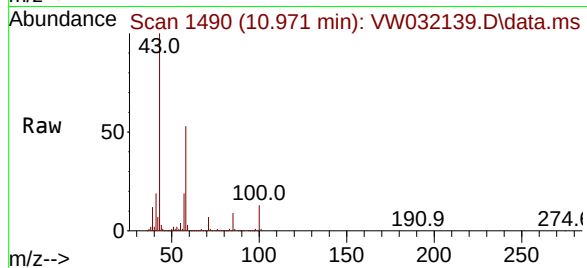
58 54.8 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 19.443 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032139.D

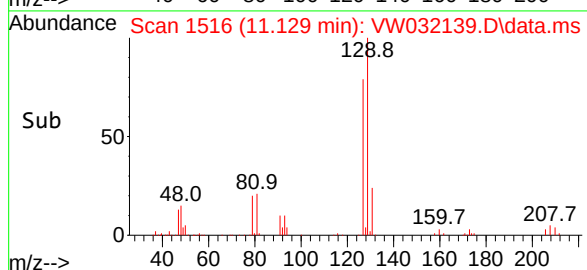
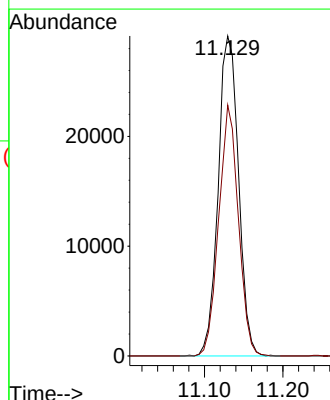
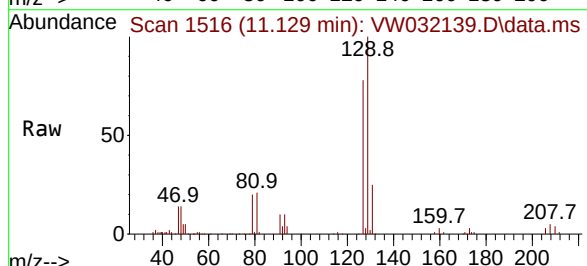
Acq: 26 Aug 2025 10:45

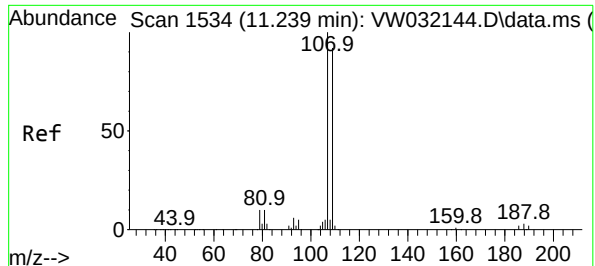
Tgt Ion:129 Resp: 52616

Ion Ratio Lower Upper

129 100

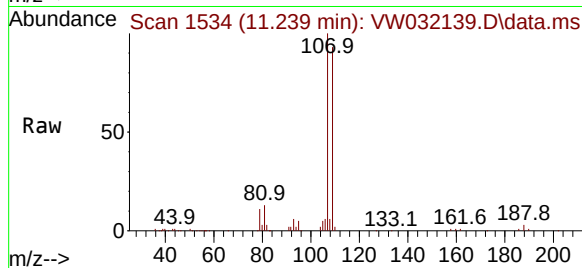
127 75.7 38.1 114.5





#61
1,2-Dibromoethane
Concen: 19.344 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

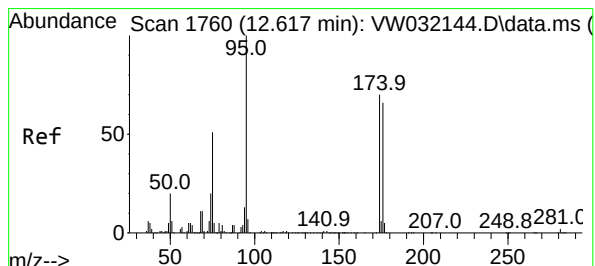
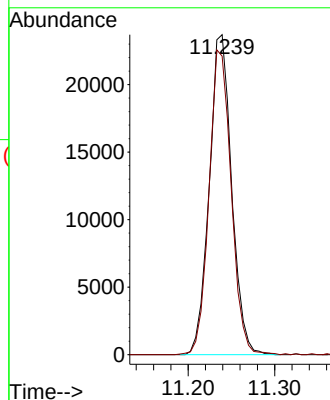
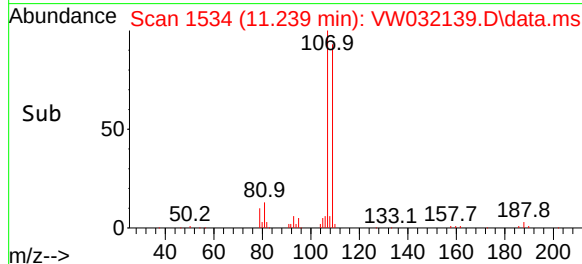
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:107 Resp: 4254
Ion Ratio Lower Upper
107 100
109 94.1 74.5 111.7

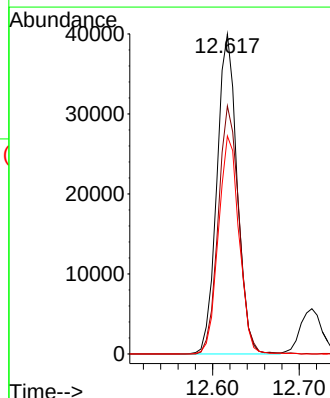
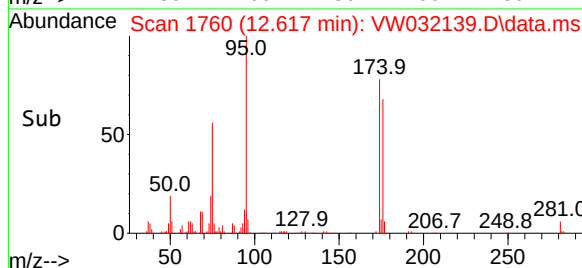
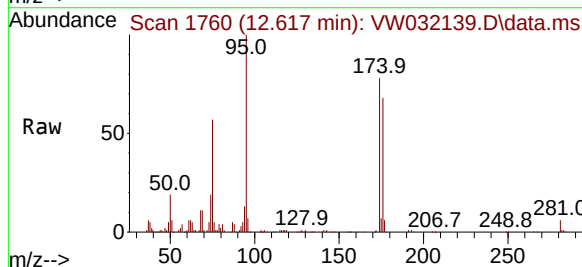
Manual Integrations
APPROVED

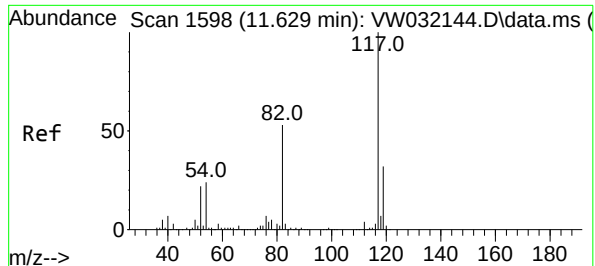
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#62
4-Bromofluorobenzene
Concen: 19.778 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 95 Resp: 65158
Ion Ratio Lower Upper
95 100
174 78.9 0.0 145.6
176 69.2 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:117 Resp: 32004

Ion Ratio Lower Upper

117 100

82 55.3 42.7 64.1

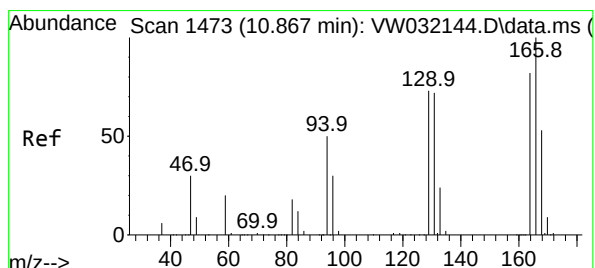
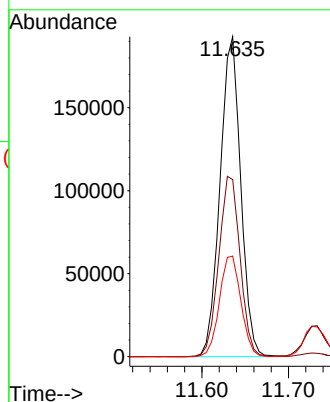
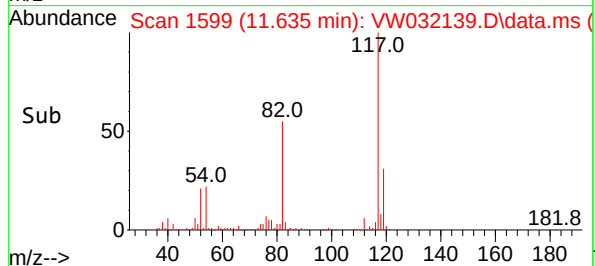
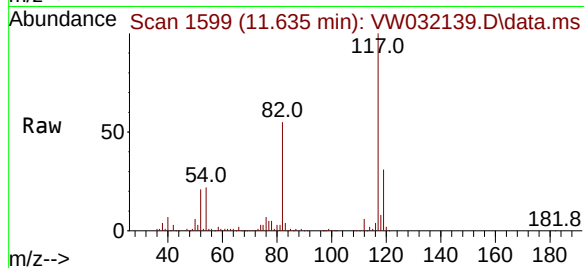
119 31.4 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#64

Tetrachloroethene

Concen: 20.766 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:164 Resp: 43742

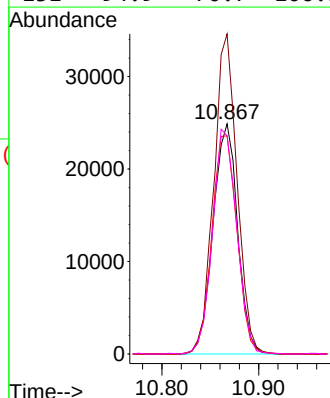
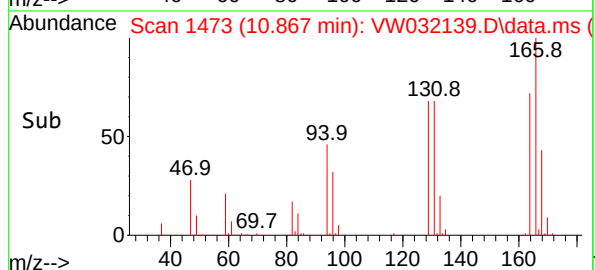
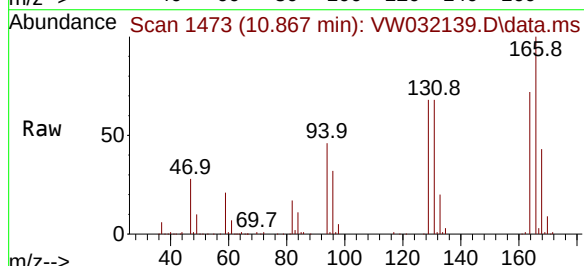
Ion Ratio Lower Upper

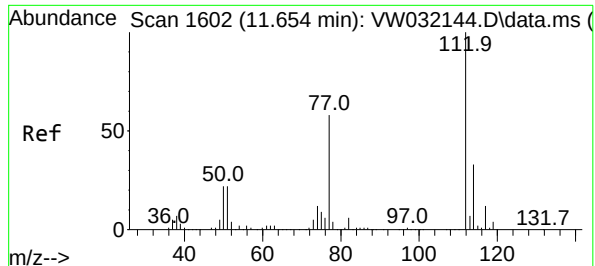
164 100

166 139.1 97.5 146.3

129 94.9 71.2 106.8

131 94.9 70.7 106.1





#65

Chlorobenzene

Concen: 20.988 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:112 Resp: 15288

Ion Ratio Lower Upper

112 100

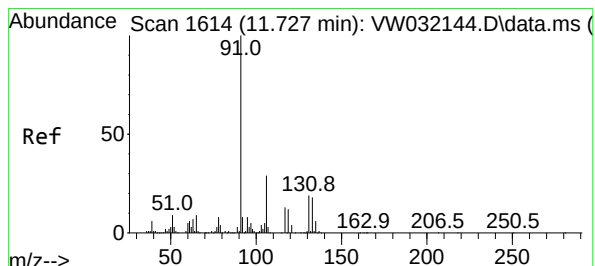
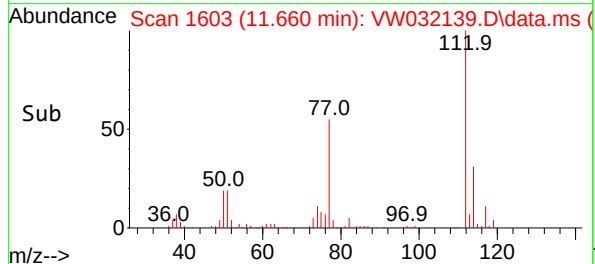
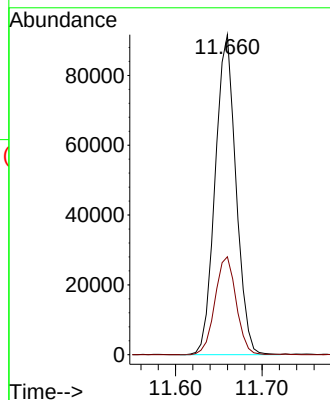
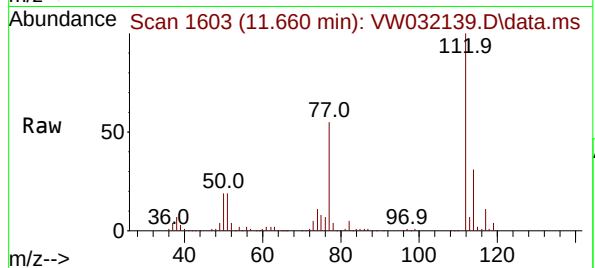
114 30.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.813 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

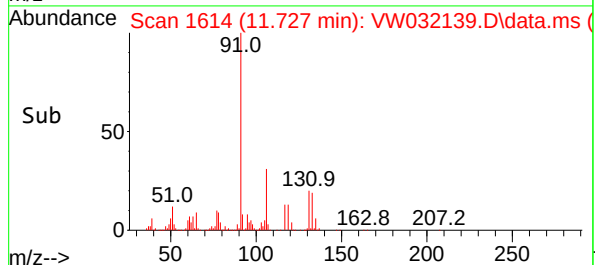
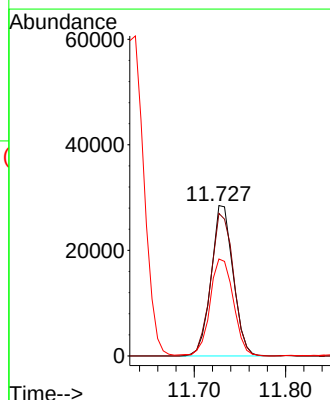
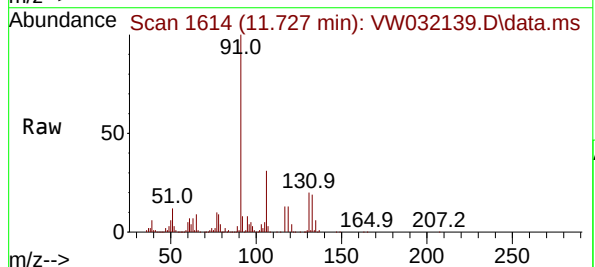
Tgt Ion:131 Resp: 47518

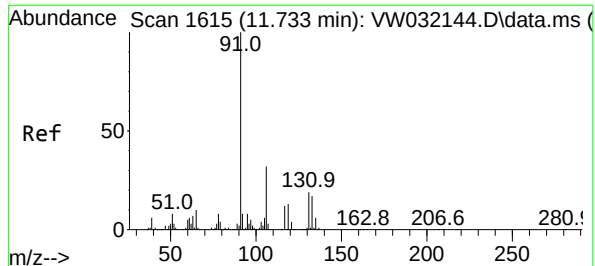
Ion Ratio Lower Upper

131 100

133 98.2 47.7 143.1

119 68.8 32.8 98.3





#67

Ethyl Benzene

Concen: 20.597 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 245828

Ion Ratio Lower Upper

91 100

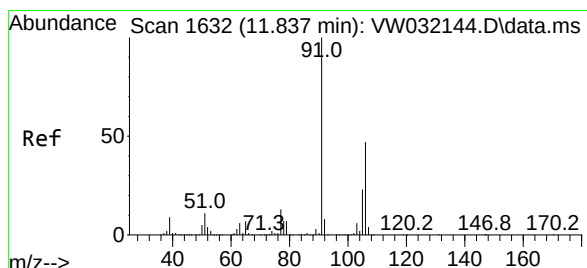
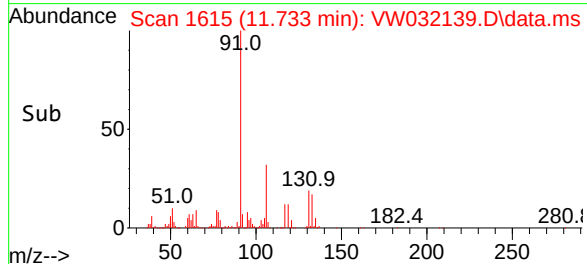
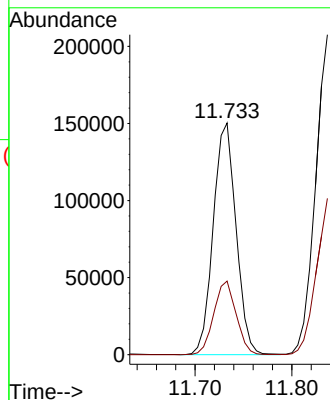
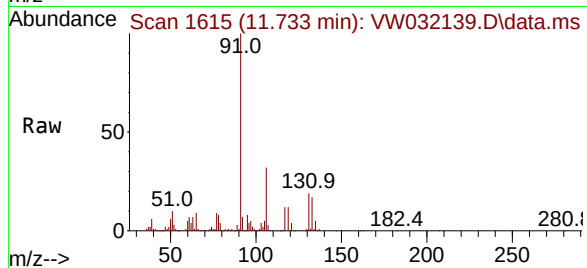
106 31.8 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 41.875 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW032139.D

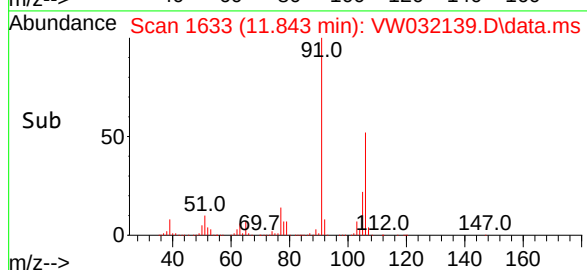
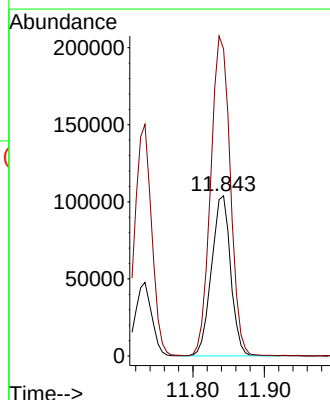
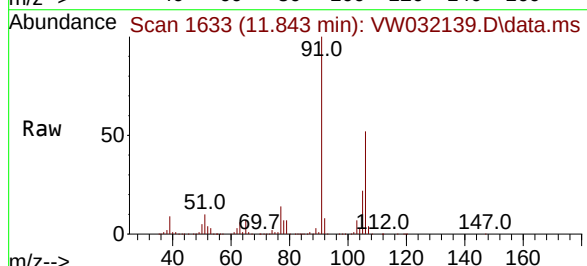
Acq: 26 Aug 2025 10:45

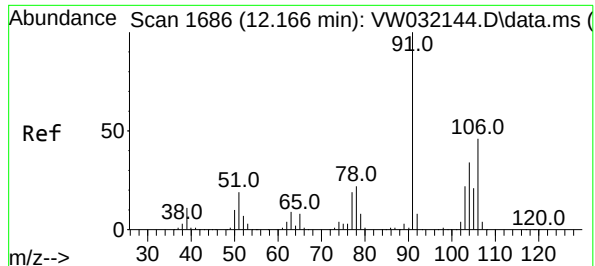
Tgt Ion:106 Resp: 192351

Ion Ratio Lower Upper

106 100

91 205.4 164.2 246.2





#69

o-Xylene

Concen: 20.465 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 8892

Ion Ratio Lower Upper

106 100

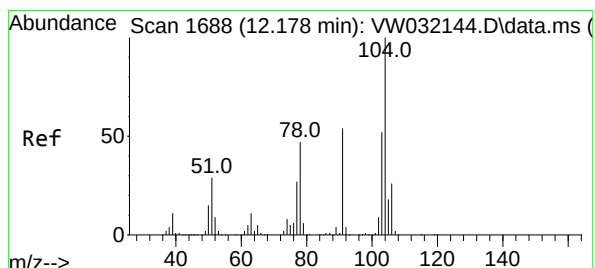
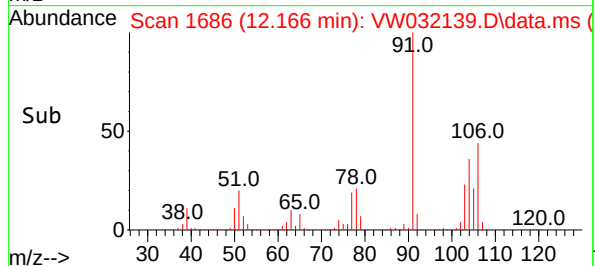
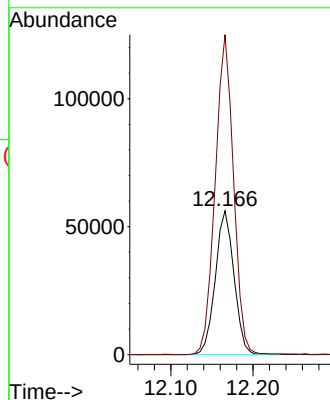
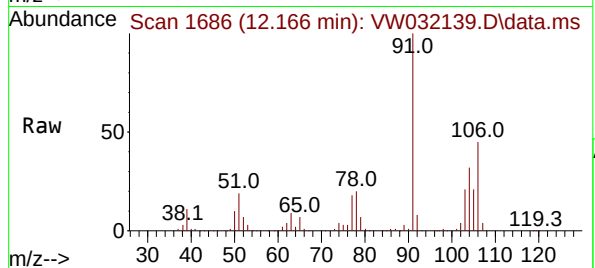
91 218.2 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 20.828 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

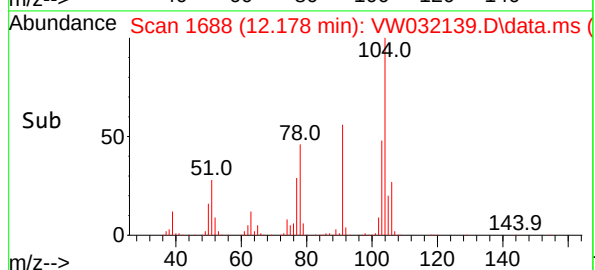
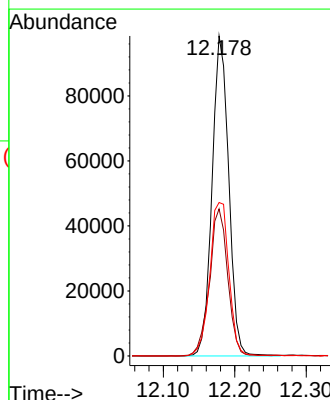
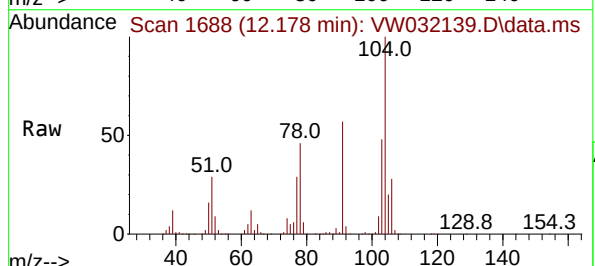
Tgt Ion:104 Resp: 159523

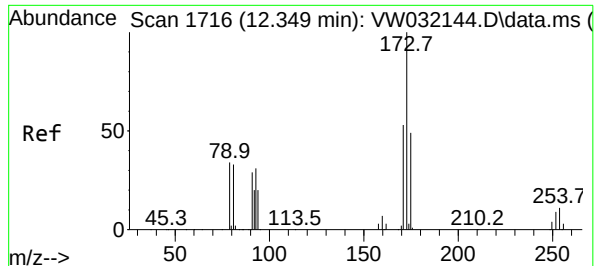
Ion Ratio Lower Upper

104 100

78 50.4 41.6 62.4

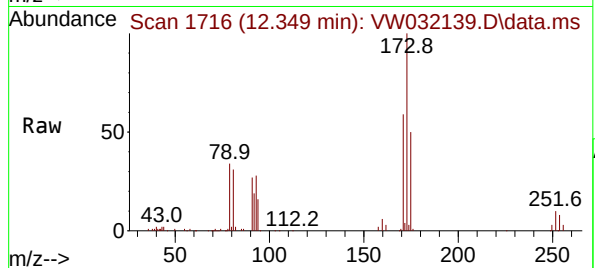
103 55.1 44.8 67.2





#71
Bromoform
Concen: 19.407 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

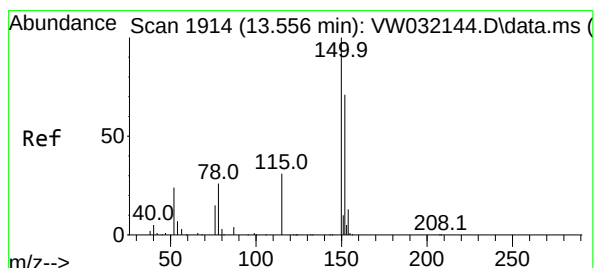
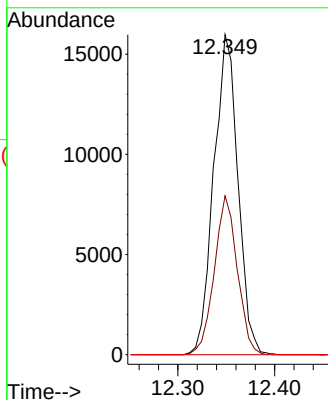
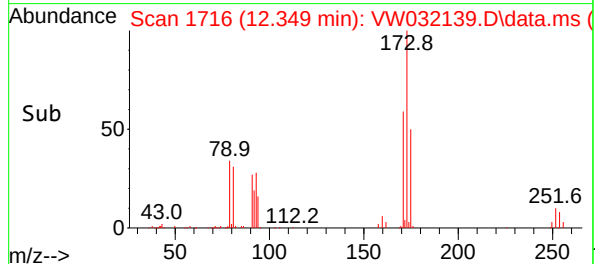
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 2764
Ion Ratio Lower Upper
173 100
175 47.3 24.9 74.7
254 0.0 0.2 0.2

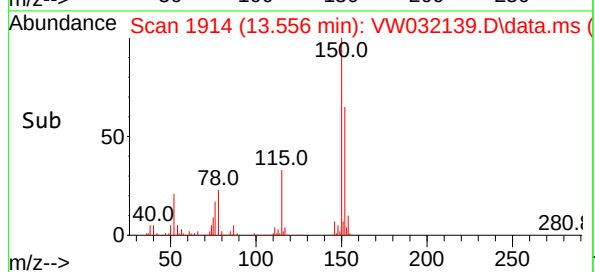
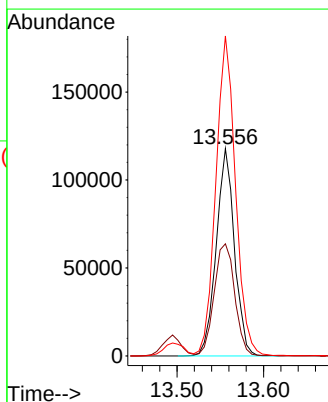
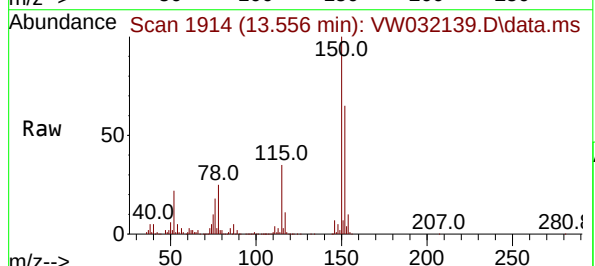
Manual Integrations
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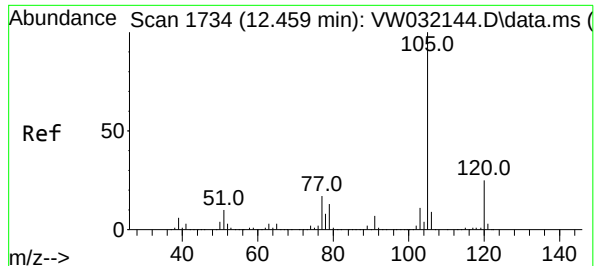
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:152 Resp: 172516
Ion Ratio Lower Upper
152 100
115 61.4 31.8 95.4
150 166.2 0.0 343.0





#73

Isopropylbenzene

Concen: 19.185 ug/l

RT: 12.465 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 224854

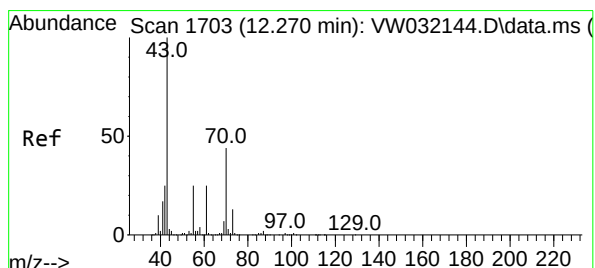
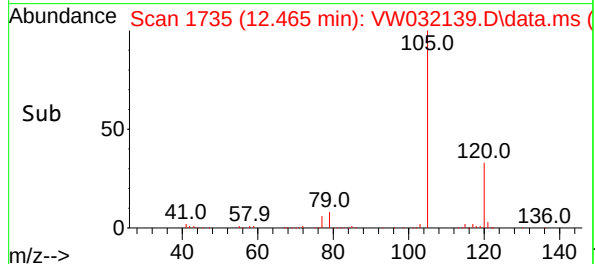
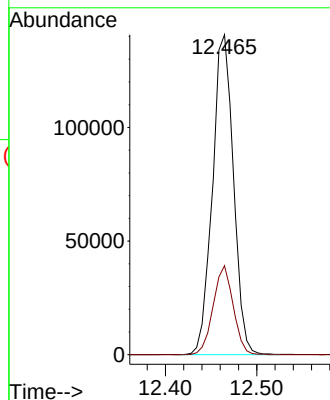
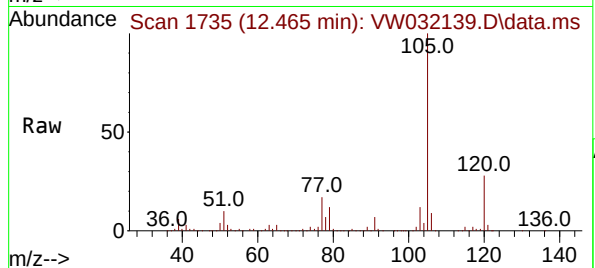
Ion Ratio Lower Upper

105 100

120 26.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#74

N-ethyl acetate

Concen: 19.102 ug/l

RT: 12.270 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 64999

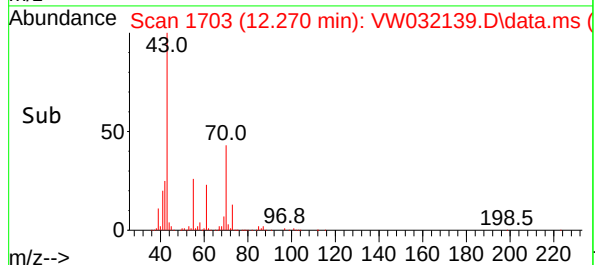
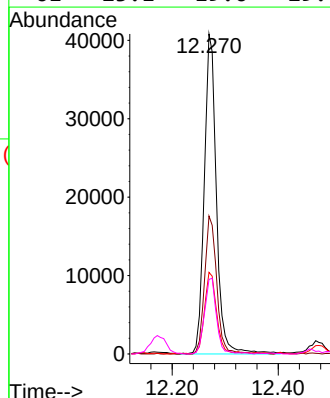
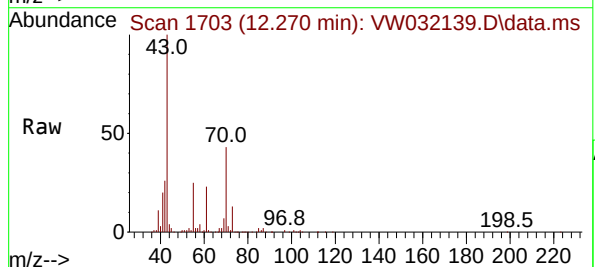
Ion Ratio Lower Upper

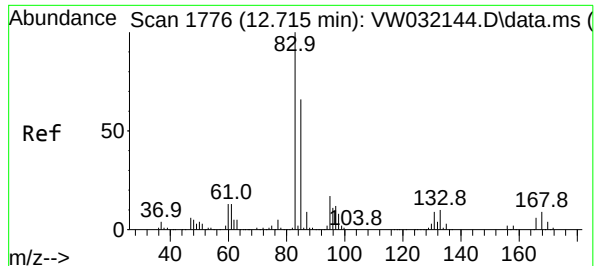
43 100

70 42.8 35.3 52.9

55 25.1 19.9 29.9

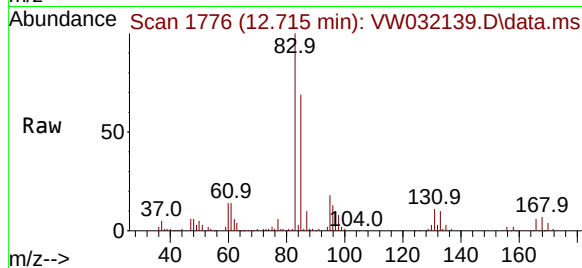
61 23.1 19.6 29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 19.167 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

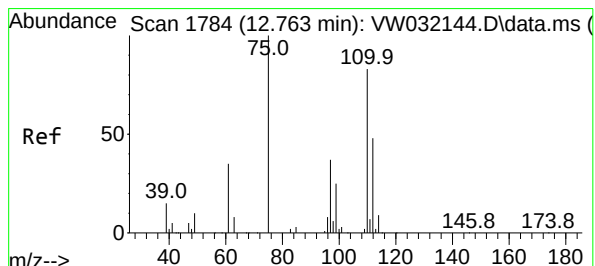
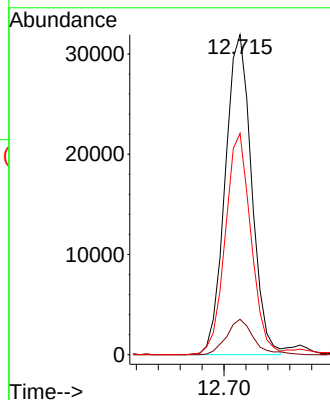
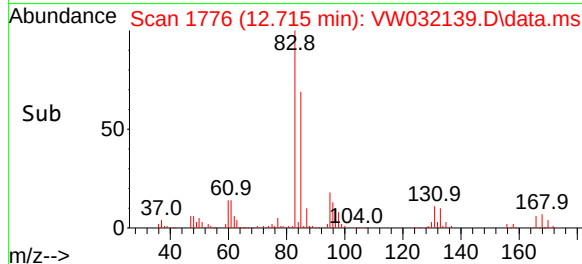
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



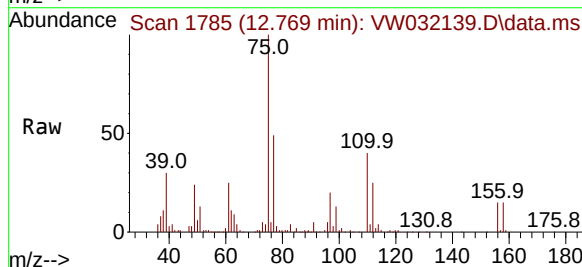
Tgt Ion: 83 Resp: 53380
Ion Ratio Lower Upper
83 100
131 11.3 5.1 15.4
85 68.0 32.2 96.6

Manual Integrations
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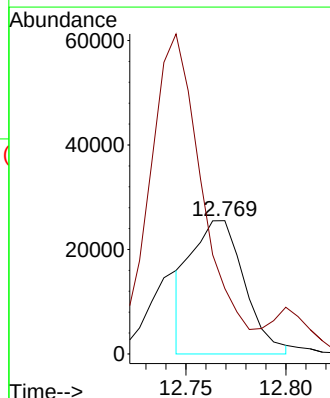
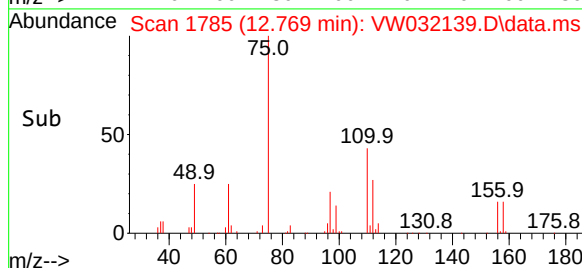
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

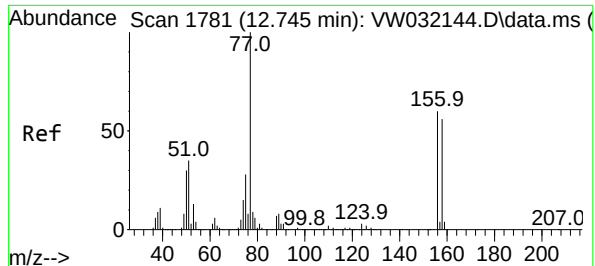


#76
1,2,3-Trichloropropane
Concen: 21.166 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45



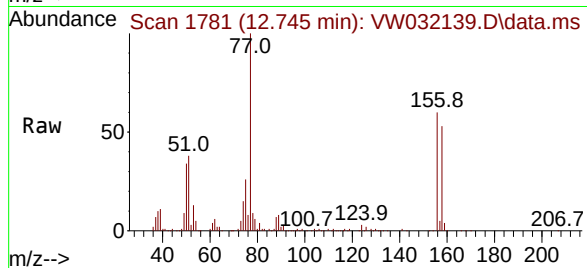
Tgt Ion: 75 Resp: 47279
Ion Ratio Lower Upper
75 100
77 0.0 141.7 425.1#





#77
Bromobenzene
Concen: 19.938 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

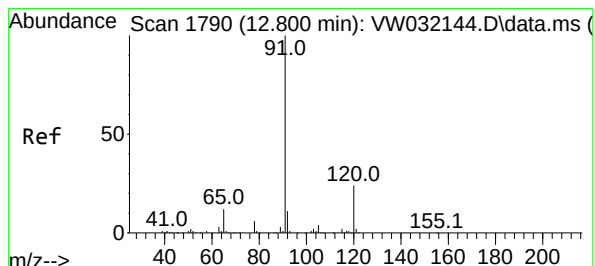
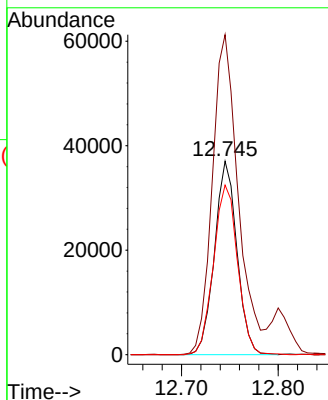
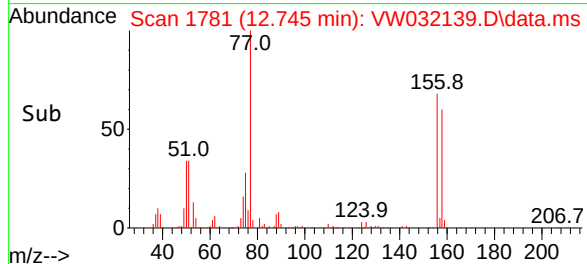
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 156 Resp: 59590
Ion Ratio Lower Upper
156 100
77 189.5 98.6 295.7
158 94.1 48.4 145.0

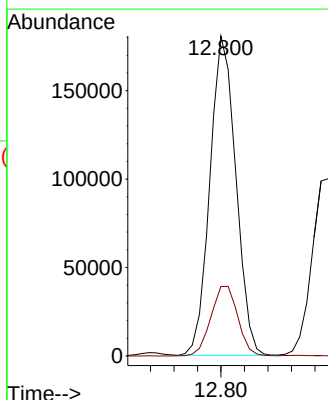
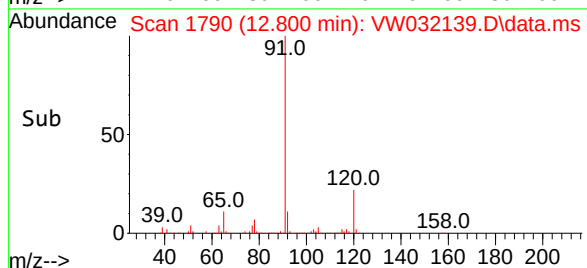
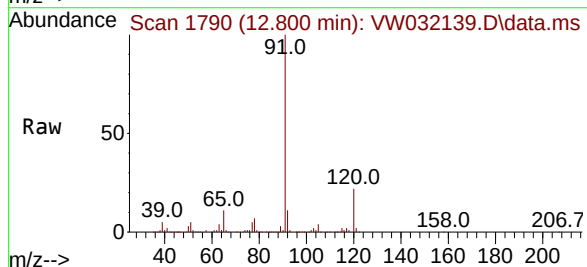
Manual Integrations
APPROVED

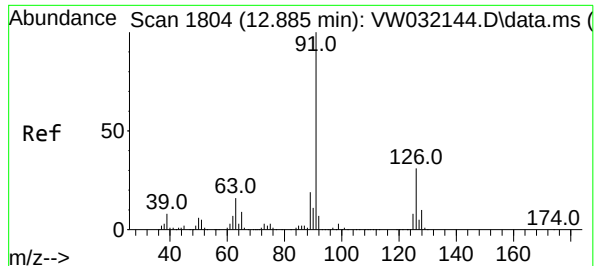
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#78
n-propylbenzene
Concen: 19.477 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 91 Resp: 277146
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4





#79

2-Chlorotoluene

Concen: 19.579 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 170359

Ion Ratio Lower Upper

91 100

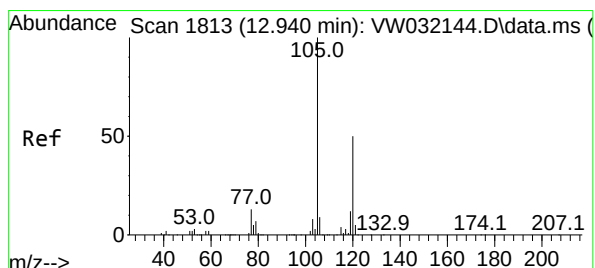
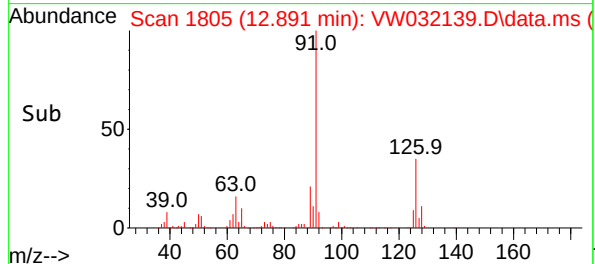
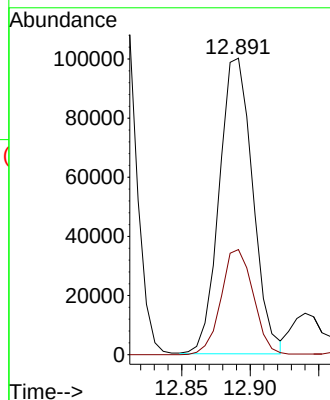
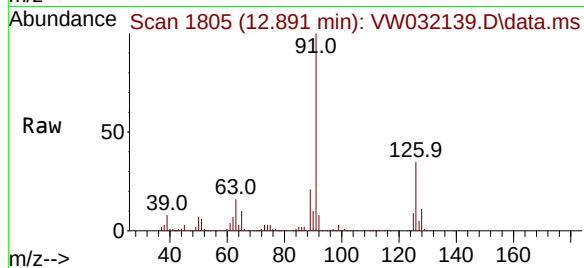
126 34.4 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.573 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032139.D

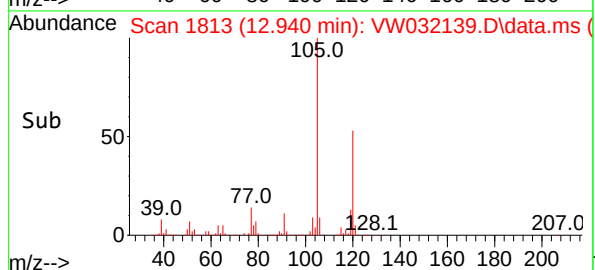
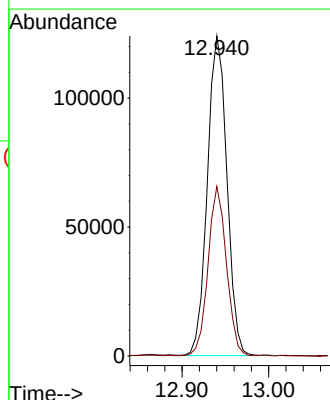
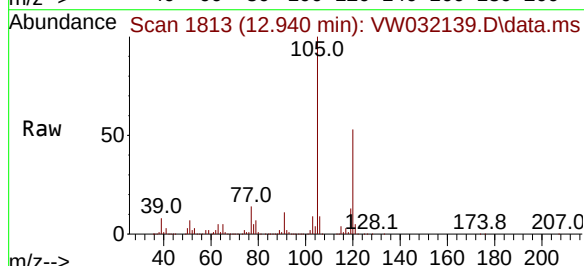
Acq: 26 Aug 2025 10:45

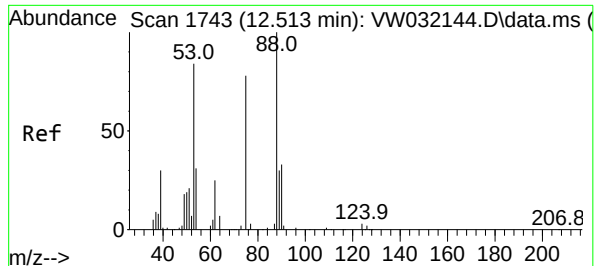
Tgt Ion:105 Resp: 194222

Ion Ratio Lower Upper

105 100

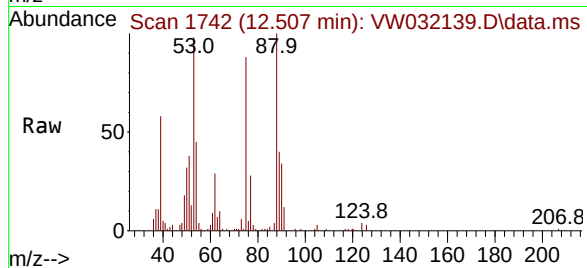
120 49.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.035 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

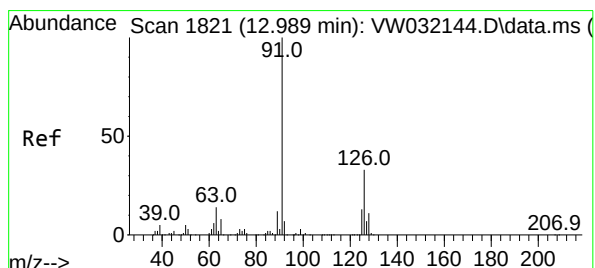
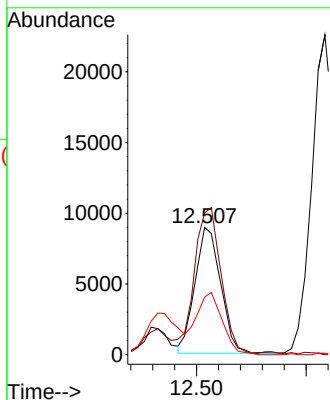
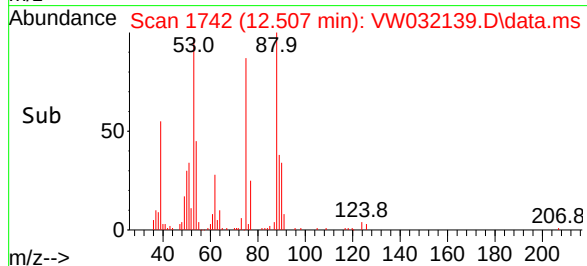
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1447
Ion Ratio Lower Upper
75 100
53 121.9 91.0 136.6
89 50.3 39.4 59.2

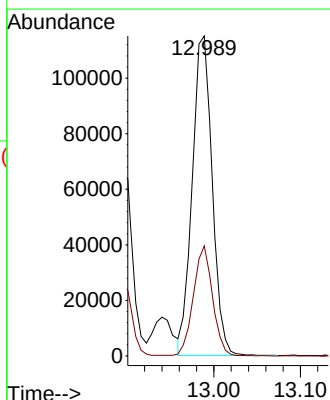
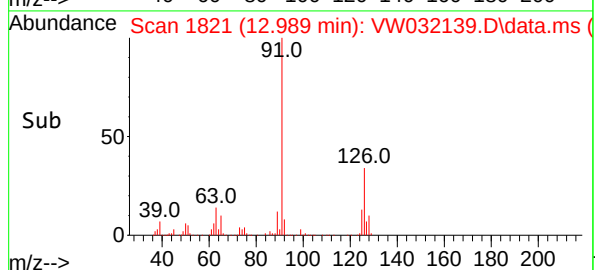
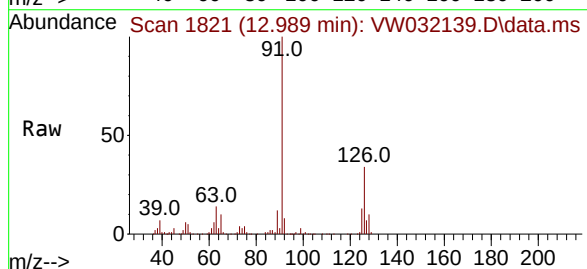
Manual Integrations
APPROVED

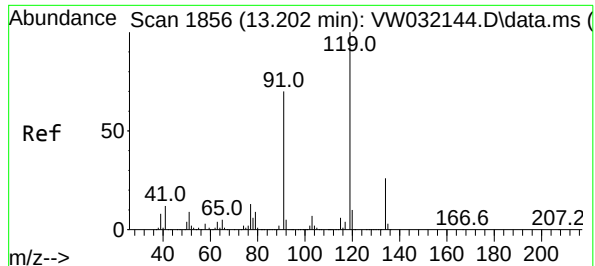
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 19.781 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 91 Resp: 184235
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.2





#83

tert-Butylbenzene

Concen: 19.239 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032139.D

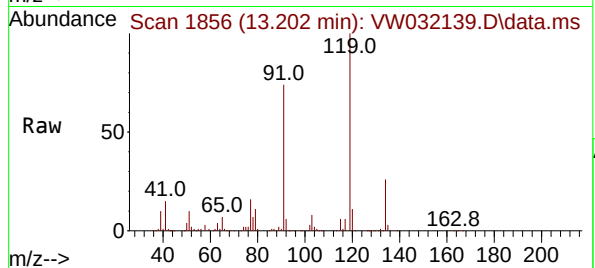
Acq: 26 Aug 2025 10:45

Instrument :

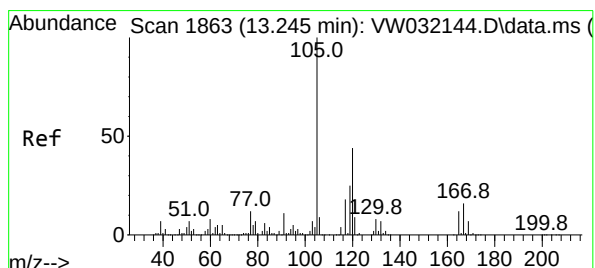
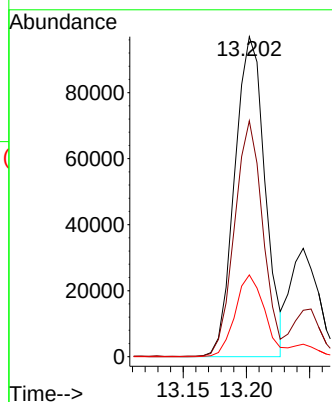
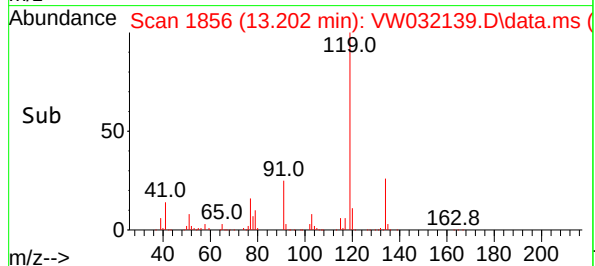
MSVOA_W

ClientSampleId :

VSTDICC020



Tgt Ion:	119	Resp:	16186
Ion Ratio	Lower	Upper	
119	100		
91	68.7	33.8	101.3
134	25.1	12.5	37.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#84

1,2,4-Trimethylbenzene

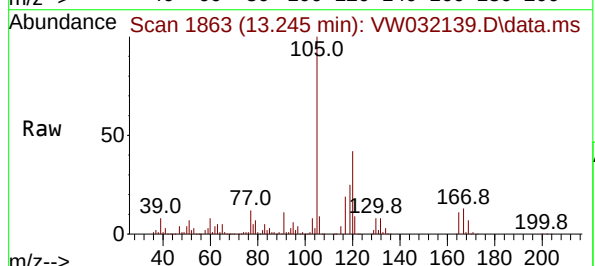
Concen: 20.090 ug/l

RT: 13.245 min Scan# 1863

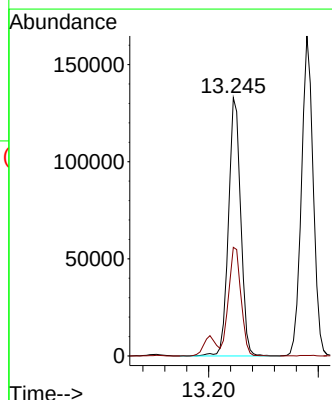
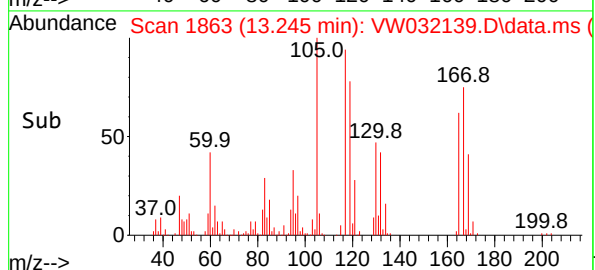
Delta R.T. 0.000 min

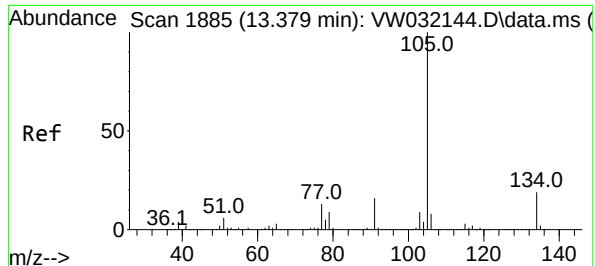
Lab File: VW032139.D

Acq: 26 Aug 2025 10:45



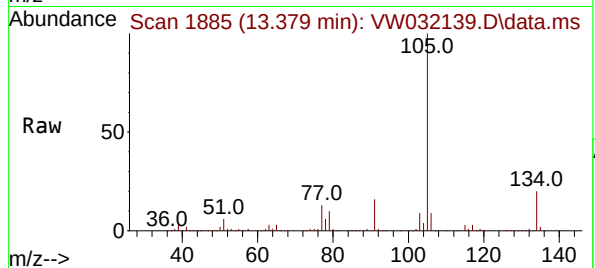
Tgt Ion:	105	Resp:	206247
Ion Ratio	Lower	Upper	
105	100		
120	43.0	22.1	66.3





#85
sec-Butylbenzene
Concen: 19.414 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

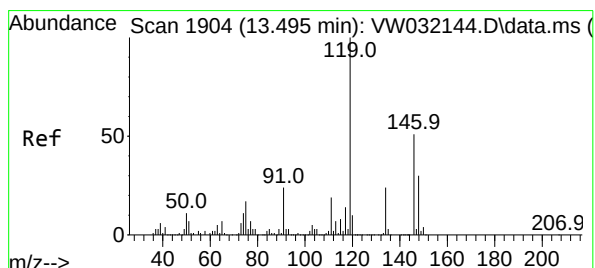
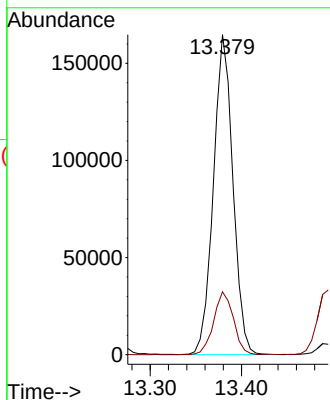
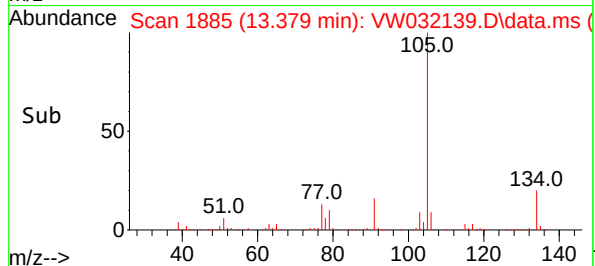
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



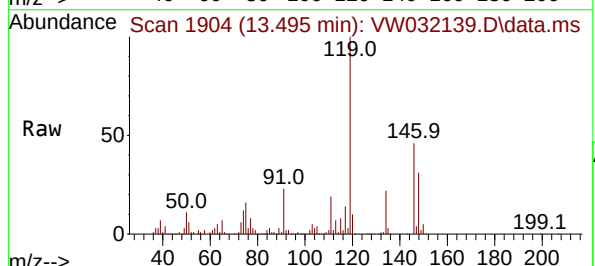
Tgt Ion:105 Resp: 24387
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

Manual Integrations
APPROVED

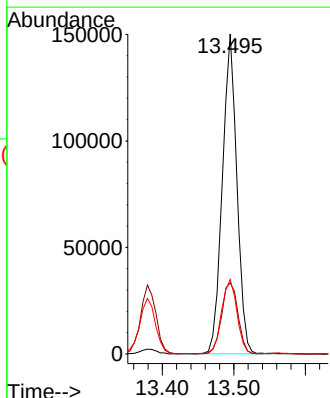
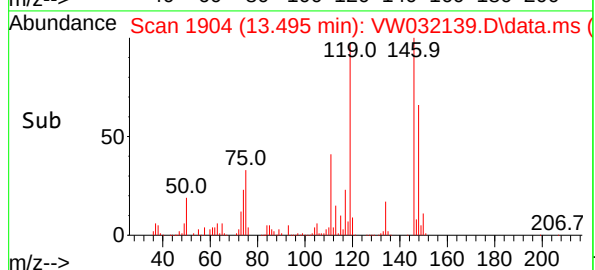
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

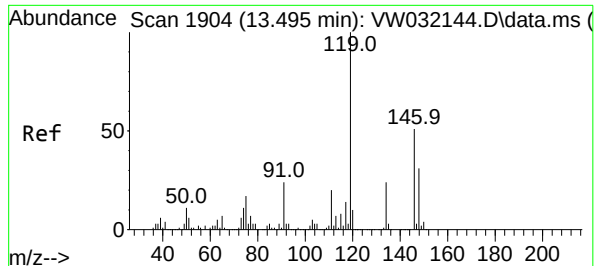


#86
p-Isopropyltoluene
Concen: 19.797 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45



Tgt Ion:119 Resp: 211483
Ion Ratio Lower Upper
119 100
134 25.1 12.6 37.6
91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.271 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

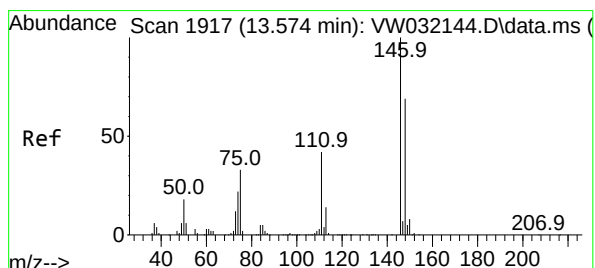
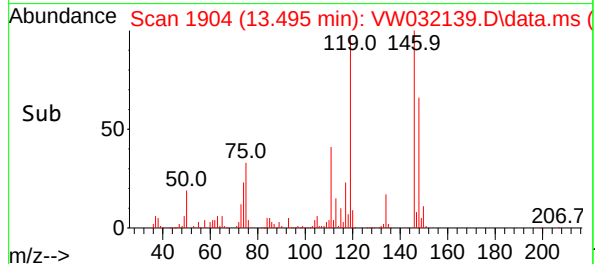
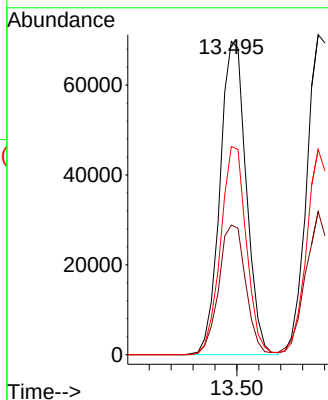
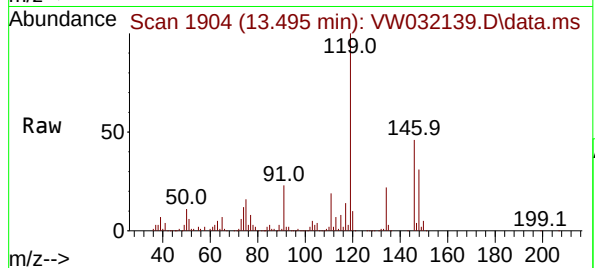
ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 115970
Ion Ratio Lower Upper
146 100
111 42.5 20.6 61.9
148 65.3 30.6 92.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 19.605 ug/l

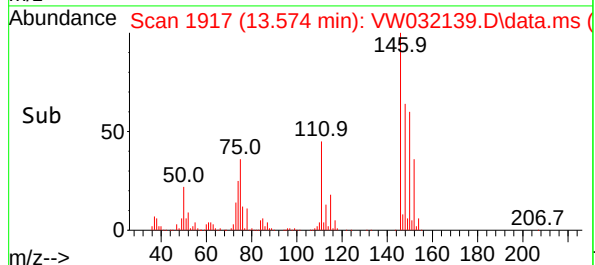
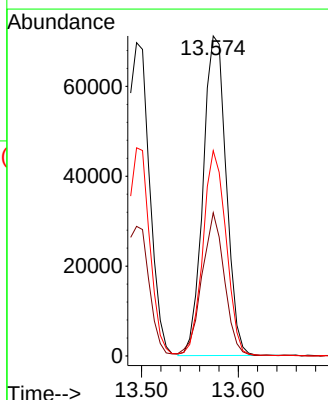
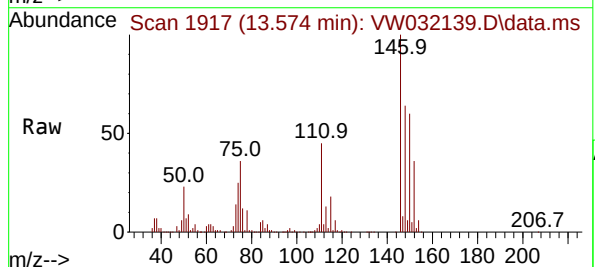
RT: 13.574 min Scan# 1917

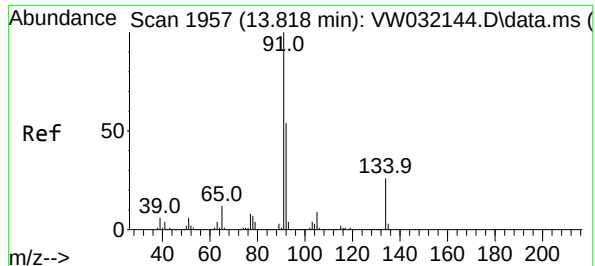
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:146 Resp: 118257
Ion Ratio Lower Upper
146 100
111 43.4 21.3 63.7
148 64.0 33.4 100.1





#89

n-Butylbenzene

Concen: 19.099 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

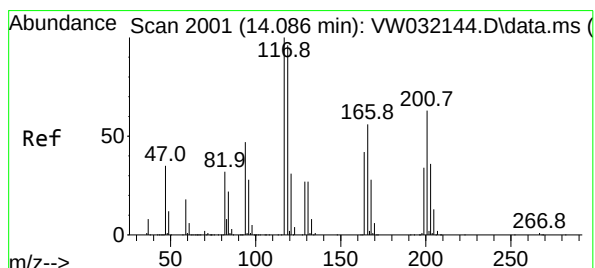
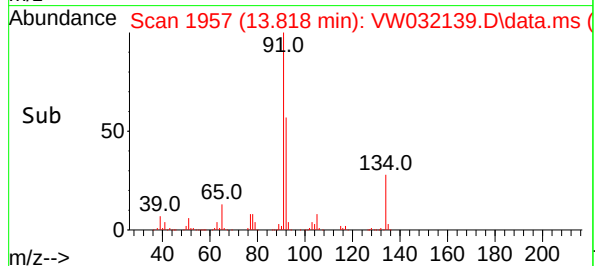
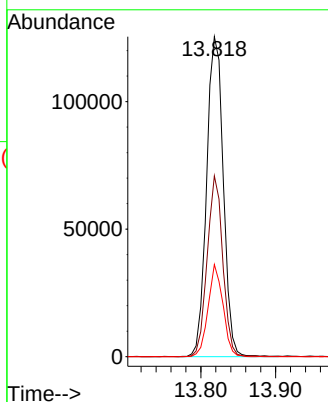
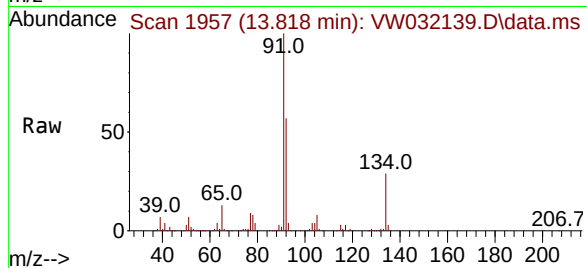
ClientSampleId :

VSTDICC020

Tgt Ion:	91	Resp:	19452
Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.0	81.0
134	25.6	13.1	39.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 18.506 ug/l

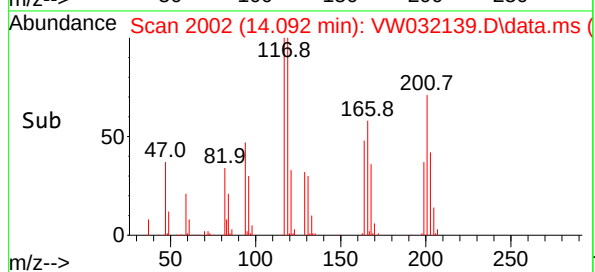
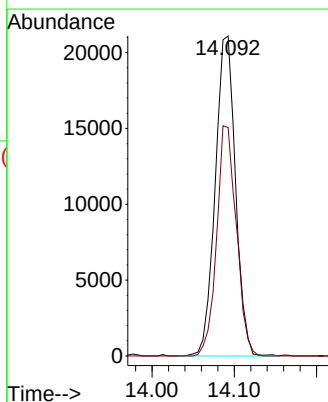
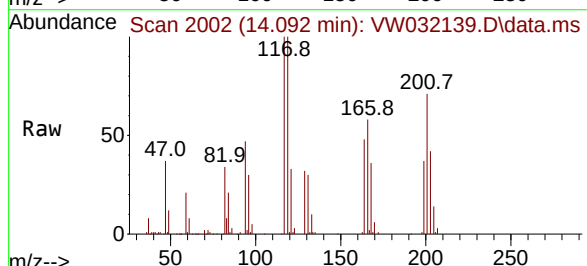
RT: 14.092 min Scan# 2002

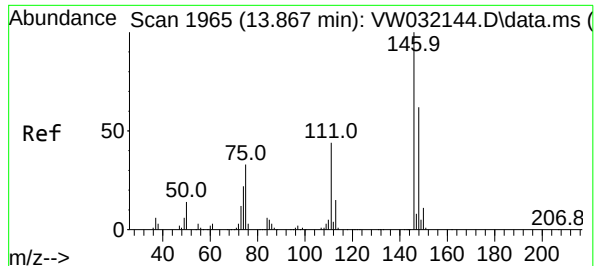
Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	117	Resp:	36162
Ion	Ratio	Lower	Upper
117	100		
201	69.8	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 20.761 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 11061

Ion Ratio Lower Upper

146 100

111 42.1 23.4 70.0

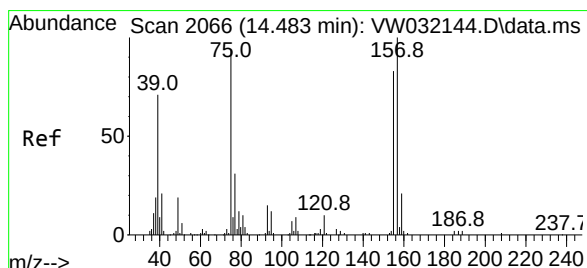
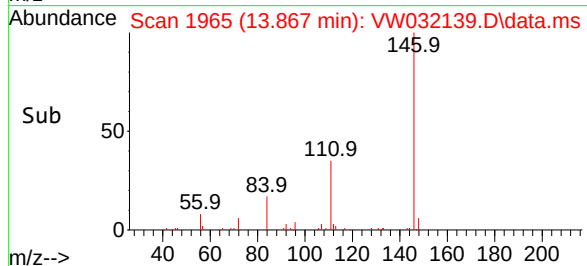
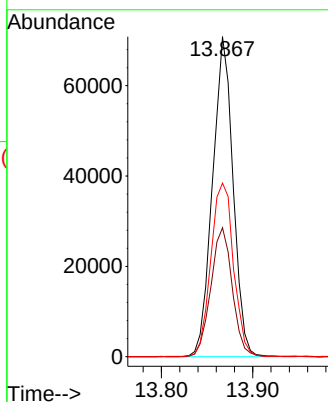
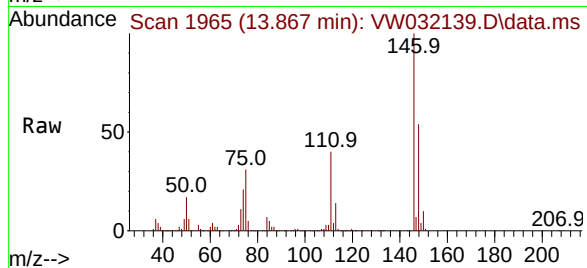
148 60.1 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.449 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

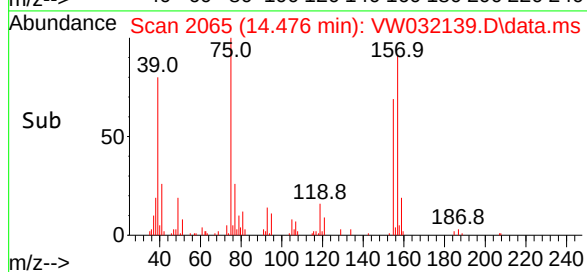
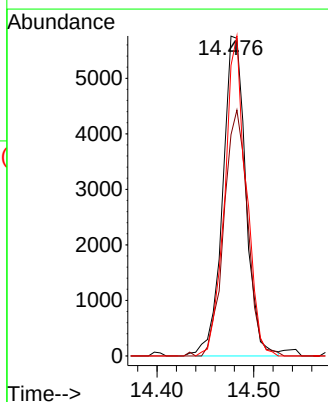
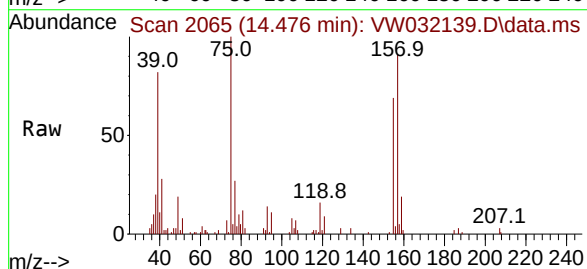
Tgt Ion: 75 Resp: 9570

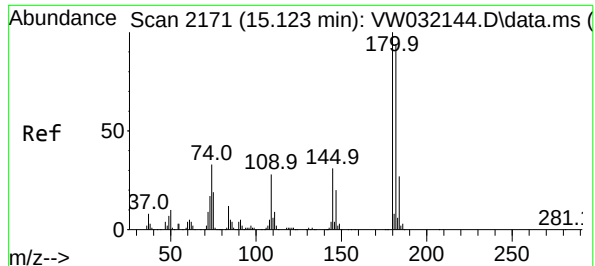
Ion Ratio Lower Upper

75 100

155 78.9 40.8 122.5

157 92.6 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 20.091 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

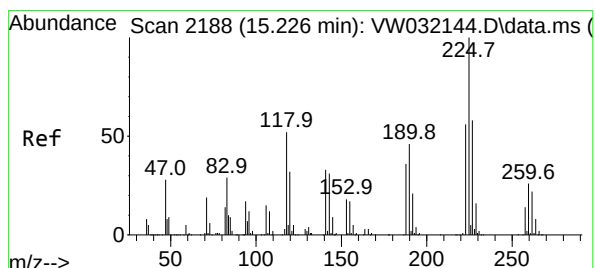
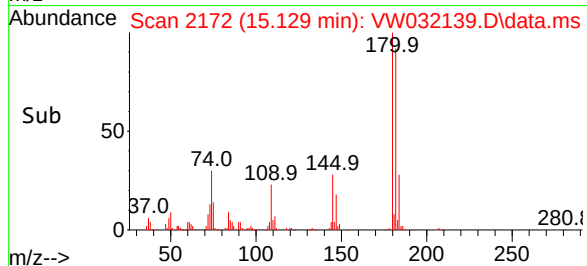
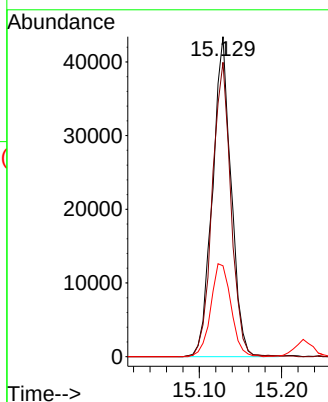
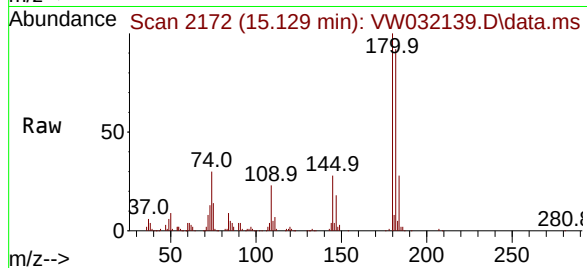
VSTDIC020

Tgt Ion:180	Resp: 6839
Ion Ratio	Lower Upper
180 100	
182 92.3	47.4 142.2
145 31.6	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 20.108 ug/l

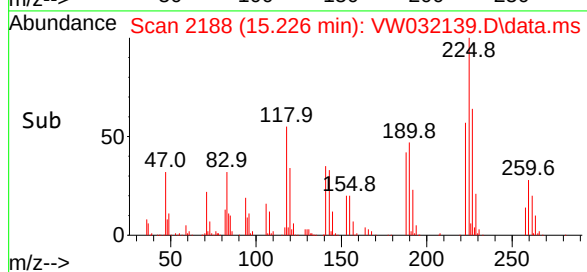
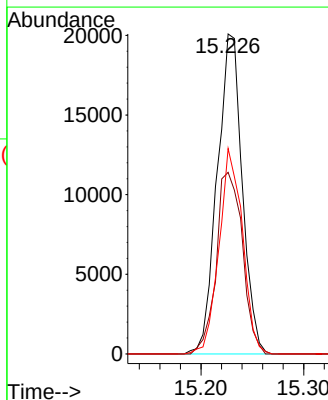
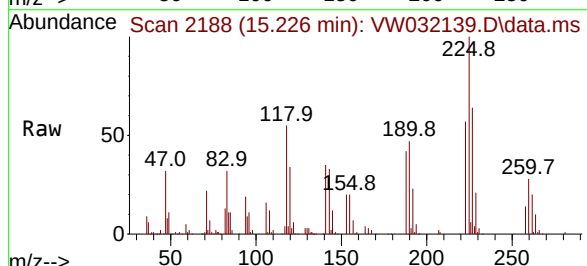
RT: 15.226 min Scan# 2188

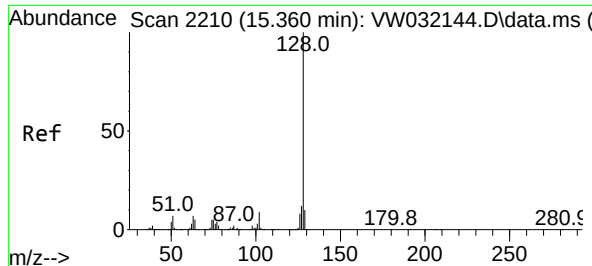
Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:225	Resp: 33947
Ion Ratio	Lower Upper
225 100	
223 59.3	29.8 89.3
227 60.2	30.5 91.5





#95

Naphthalene

Concen: 19.055 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

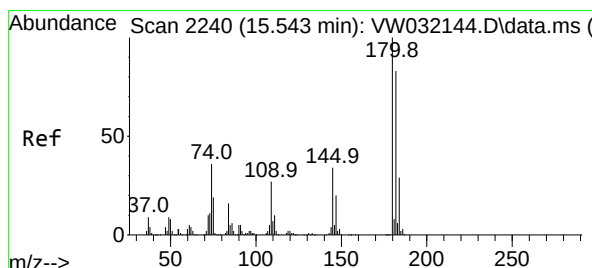
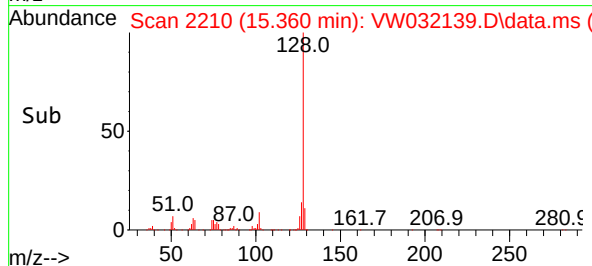
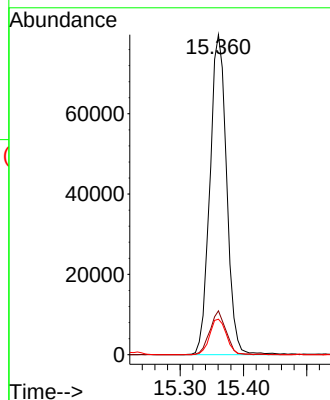
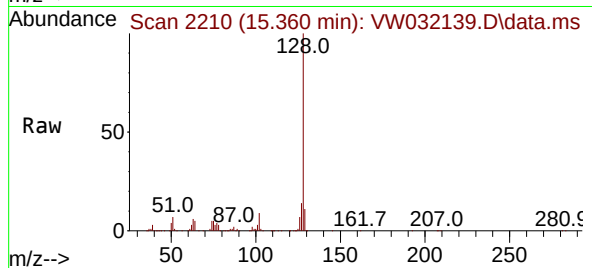
ClientSampleId :

VSTDIC020

Tgt Ion:	128	Resp:	146800
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.2	8.4	12.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.313 ug/l

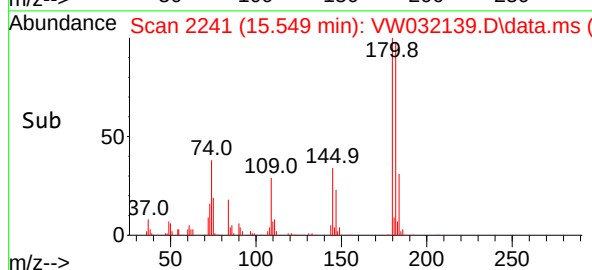
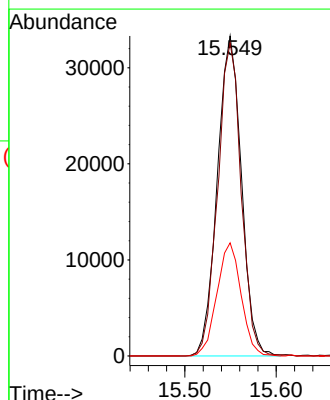
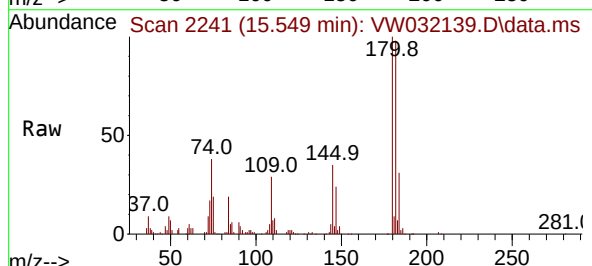
RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:	180	Resp:	61140
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.7	143.1
145	35.3	17.2	51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032141.D
 Acq On : 26 Aug 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 27 03:50:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	214311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	368598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	341675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	295629	96.455	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 192.920%#			
35) Dibromofluoromethane	7.904	113	246791	95.431	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 190.860%#			
50) Toluene-d8	10.325	98	878263	96.743	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 193.480%#			
62) 4-Bromofluorobenzene	12.617	95	329277	98.087	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 196.180%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	130979	92.569	ug/l	98
3) Chloromethane	2.259	50	137307	92.554	ug/l	98
4) Vinyl Chloride	2.405	62	177256	91.991	ug/l	99
5) Bromomethane	2.820	94	158181	91.928	ug/l	99
6) Chloroethane	2.966	64	127686	94.095	ug/l	99
7) Trichlorofluoromethane	3.301	101	193157	101.172	ug/l	97
8) Diethyl Ether	3.722	74	134040	94.079	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	199429	92.726	ug/l	99
10) Methyl Iodide	4.301	142	314350	95.989	ug/l	99
11) Tert butyl alcohol	5.228	59	96529	514.893	ug/l	98
12) 1,1-Dichloroethene	4.082	96	213483	94.253	ug/l	92
13) Acrolein	3.929	56	139429	483.829	ug/l	98
14) Allyl chloride	4.704	41	317666	98.737	ug/l	99
15) Acrylonitrile	5.405	53	361906	522.461	ug/l	98
16) Acetone	4.161	43	306726	462.093	ug/l	96
17) Carbon Disulfide	4.417	76	548211	96.771	ug/l	99
18) Methyl Acetate	4.710	43	218721	103.419	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	430581	100.671	ug/l	99
20) Methylene Chloride	4.954	84	249401	99.223	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	247042	97.635	ug/l	90
22) Diisopropyl ether	6.344	45	703459	100.461	ug/l	95
23) Vinyl Acetate	6.283	43	2523955	530.152	ug/l	98
24) 1,1-Dichloroethane	6.246	63	439569	95.888	ug/l	100
25) 2-Butanone	7.197	43	497969	529.422	ug/l	98
26) 2,2-Dichloropropane	7.185	77	241129	99.327	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	302098	98.117	ug/l	100
28) Bromochloromethane	7.532	49	203663	97.052	ug/l	99
29) Tetrahydrofuran	7.551	42	318589	533.016	ug/l	99
30) Chloroform	7.697	83	503040	96.112	ug/l	98
31) Cyclohexane	7.971	56	341064	90.646	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	362994	95.007	ug/l	98
36) 1,1-Dichloropropene	8.099	75	326557	97.392	ug/l	99
37) Ethyl Acetate	7.276	43	209389	104.099	ug/l	100
38) Carbon Tetrachloride	8.081	117	351706	97.846	ug/l	97
39) Methylcyclohexane	9.343	83	405102	102.003	ug/l	96
40) Benzene	8.337	78	1004428	96.909	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032141.D
 Acq On : 26 Aug 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:50:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	115019	102.923	ug/l	99
42) 1,2-Dichloroethane	8.410	62	347098	96.602	ug/l	100
43) Isopropyl Acetate	8.435	43	396615	105.105	ug/l	100
44) Trichloroethene	9.105	130	253041	97.081	ug/l	94
45) 1,2-Dichloropropane	9.380	63	237748	95.155	ug/l	98
46) Dibromomethane	9.465	93	170875	97.506	ug/l	98
47) Bromodichloromethane	9.654	83	391443	98.293	ug/l	97
48) Methyl methacrylate	9.441	41	189315	108.864	ug/l	96
49) 1,4-Dioxane	9.465	88	44927	2121.836	ug/l	99
51) 4-Methyl-2-Pentanone	10.215	43	1119796	525.549	ug/l	100
52) Toluene	10.392	92	665096	98.198	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	376829	107.262	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	411952	102.767	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	224549	98.537	ug/l	95
56) Ethyl methacrylate	10.648	69	315727	108.371	ug/l	99
57) 1,3-Dichloropropane	10.934	76	379137	99.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	835126	537.045	ug/l	99
59) 2-Hexanone	10.971	43	804518	542.911	ug/l	100
60) Dibromochloromethane	11.129	129	279965	101.529	ug/l	97
61) 1,2-Dibromoethane	11.239	107	222479	99.277	ug/l	98
64) Tetrachloroethene	10.861	164	219868	97.772	ug/l	94
65) Chlorobenzene	11.660	112	756186	97.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	253198	98.889	ug/l	98
67) Ethyl Benzene	11.733	91	1284877	100.837	ug/l	99
68) m/p-Xylenes	11.836	106	997778	203.463	ug/l	98
69) o-Xylene	12.166	106	470060	101.336	ug/l	97
70) Styrene	12.178	104	835536	102.182	ug/l	98
71) Bromoform	12.355	173	156842	103.138	ug/l #	98
73) Isopropylbenzene	12.464	105	1233680	105.088	ug/l	99
74) N-amyl acetate	12.269	43	366581	107.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	281272	100.818	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	208647m	93.254	ug/l	
77) Bromobenzene	12.745	156	285175	95.259	ug/l	92
78) n-propylbenzene	12.800	91	1464769	102.772	ug/l	98
79) 2-Chlorotoluene	12.891	91	882070	101.206	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1025656	103.191	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	92959	115.615	ug/l	95
82) 4-Chlorotoluene	12.983	91	927084	99.374	ug/l	100
83) tert-Butylbenzene	13.202	119	857188	101.713	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1045208	101.643	ug/l	98
85) sec-Butylbenzene	13.379	105	1260426	100.172	ug/l	100
86) p-Isopropyltoluene	13.495	119	1076959	100.646	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	590816	98.017	ug/l	98
88) 1,4-Dichlorobenzene	13.580	146	572395	94.738	ug/l	97
89) n-Butylbenzene	13.818	91	1058018	103.710	ug/l	99
90) Hexachloroethane	14.092	117	195499	99.884	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	530904	99.481	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	53172	107.882	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	332667	97.566	ug/l	95
94) Hexachlorobutadiene	15.232	225	155367	91.877	ug/l	92
95) Naphthalene	15.360	128	865221	112.125	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	324145	102.222	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032141.D
Acq On : 26 Aug 2025 11:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032141.D
 Acq On : 26 Aug 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Quant Time: Aug 27 03:50:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

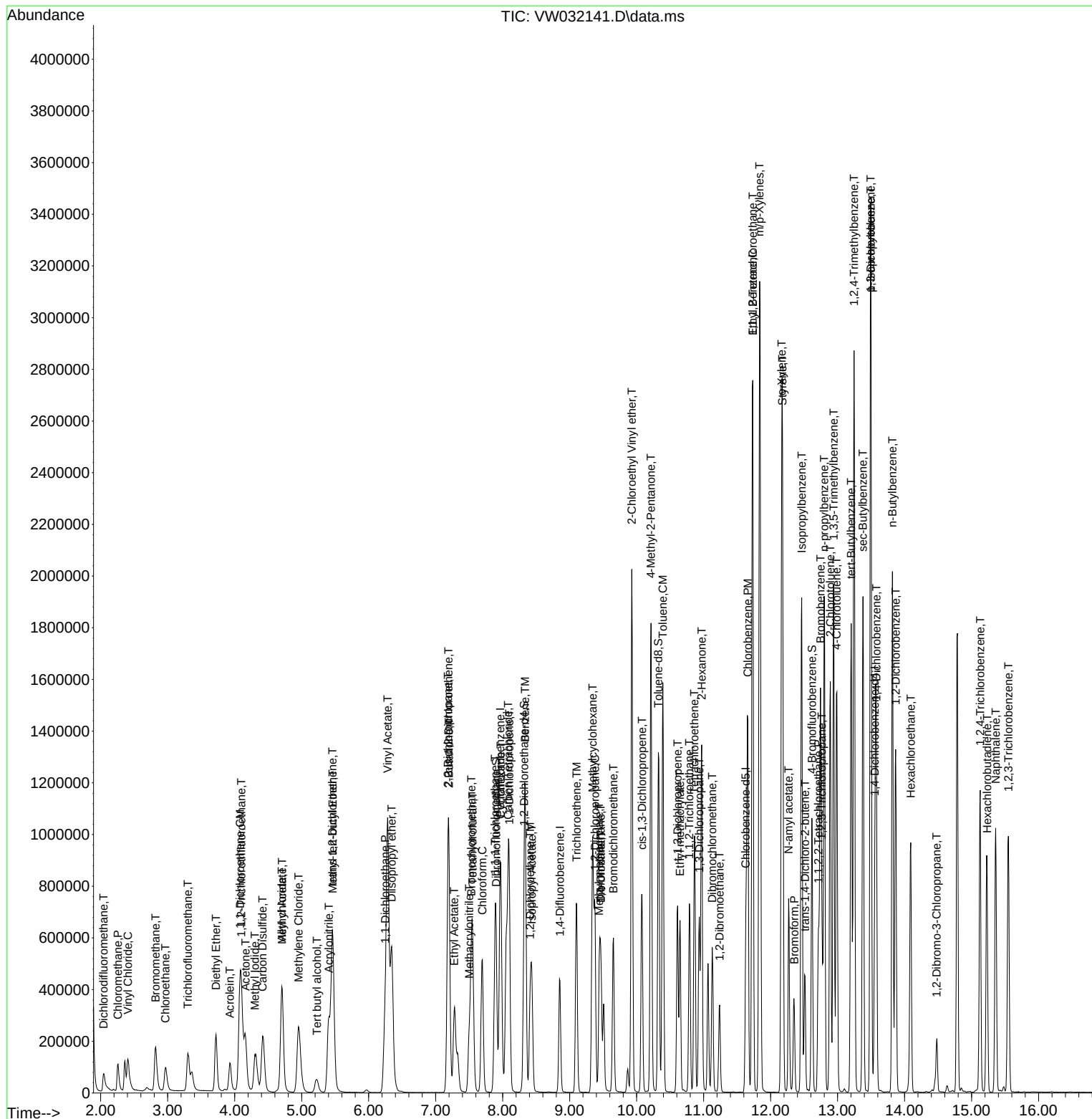
Response via : Initial Calibration

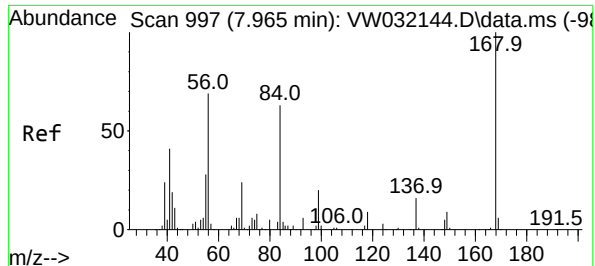
Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

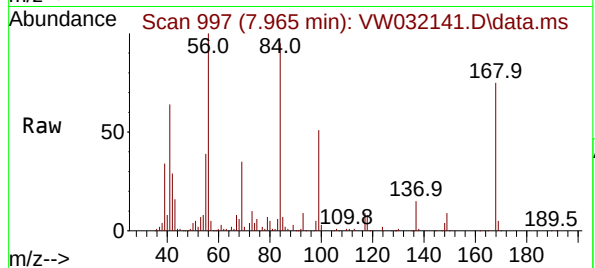
Supervised By :Semsettin Yesilyurt 08/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

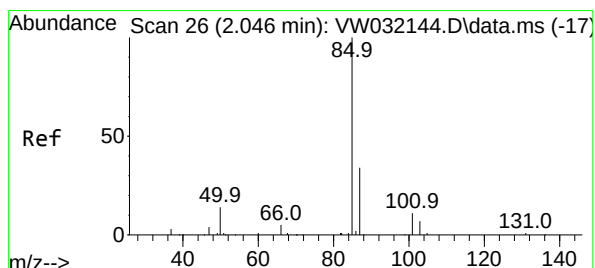
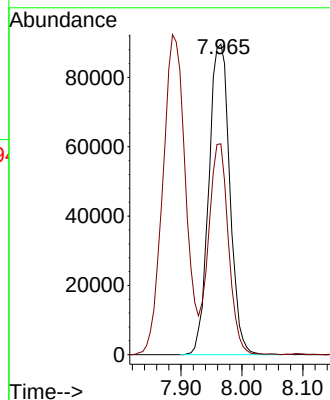
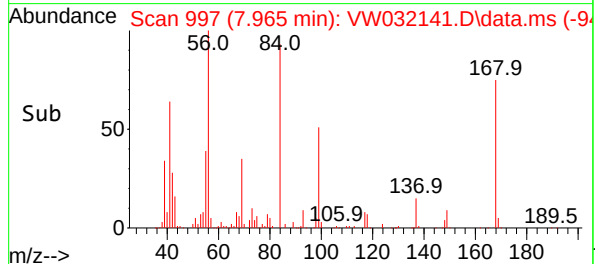
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 168 Resp: 21431
Ion Ratio Lower Upper
168 100
99 67.9 49.3 73.9

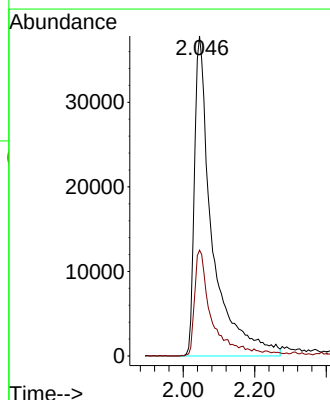
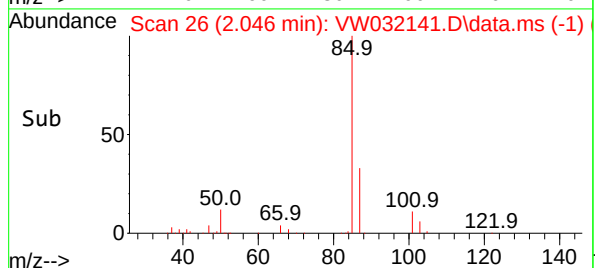
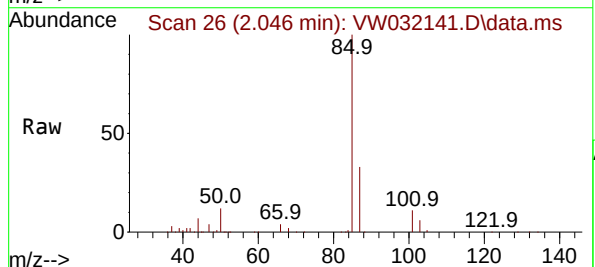
Manual Integrations
APPROVED

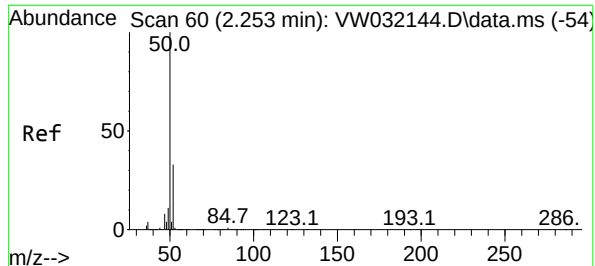
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 92.569 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 85 Resp: 130979
Ion Ratio Lower Upper
85 100
87 33.0 17.2 51.6





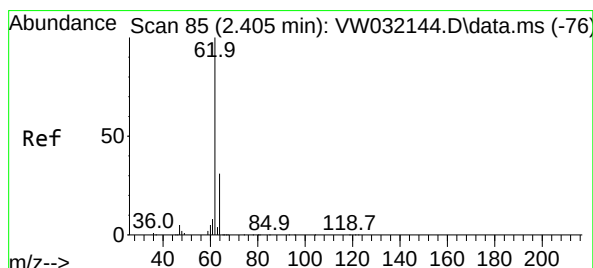
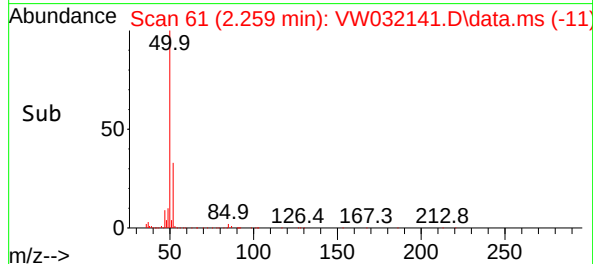
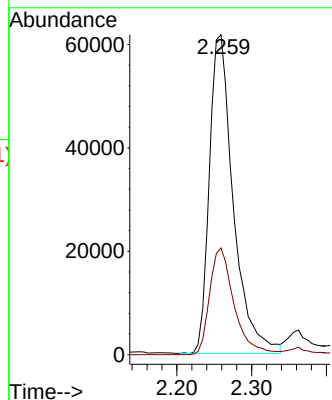
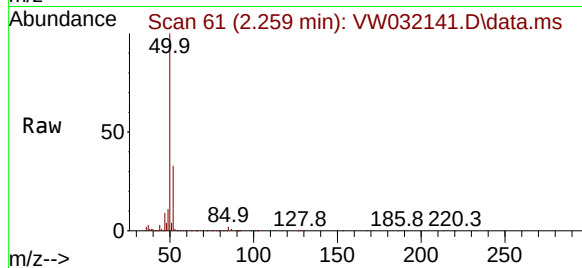
#3
Chloromethane
Concen: 92.554 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 13730
Ion Ratio Lower Upper
50 100
52 33.5 26.1 39.1

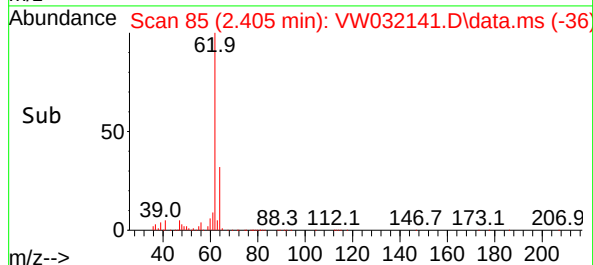
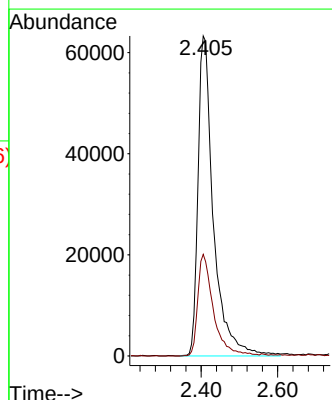
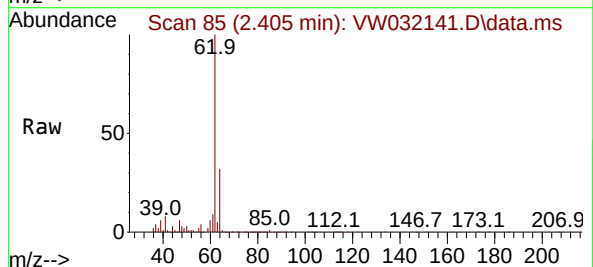
Manual Integrations
APPROVED

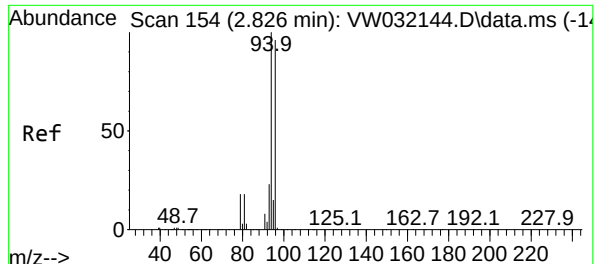
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#4
Vinyl Chloride
Concen: 91.991 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 62 Resp: 177256
Ion Ratio Lower Upper
62 100
64 31.7 24.8 37.2





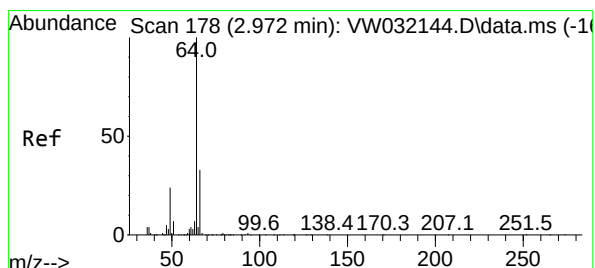
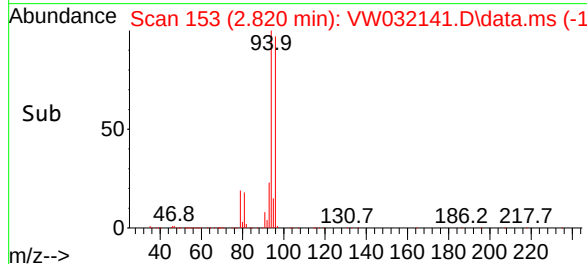
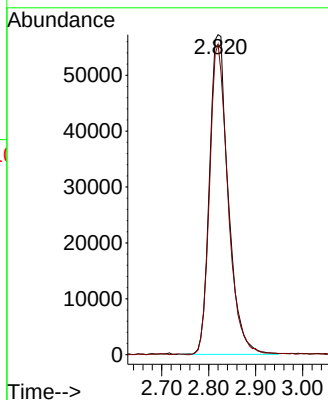
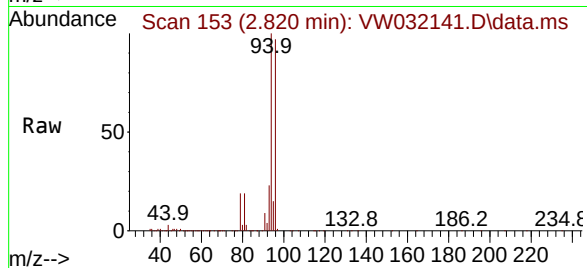
#5
Bromomethane
Concen: 91.928 ug/l
RT: 2.820 min Scan# 154
Delta R.T. -0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 15818
Ion Ratio Lower Upper
94 100
96 96.9 76.6 115.0

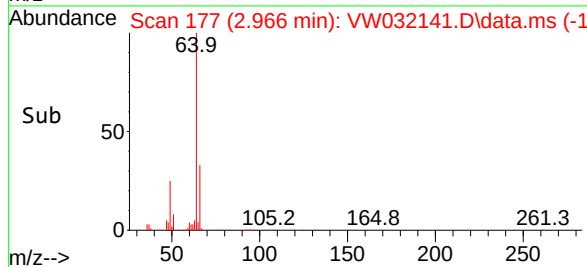
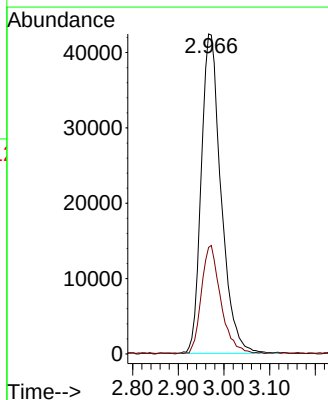
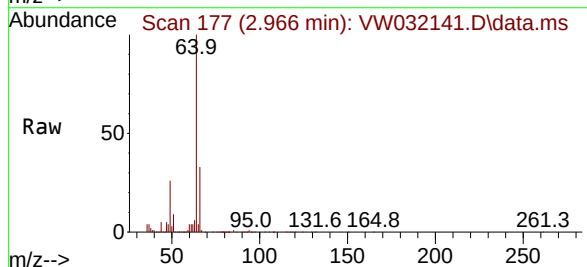
Manual Integrations
APPROVED

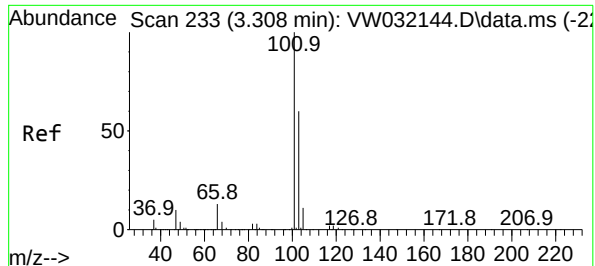
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 94.095 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 64 Resp: 127686
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.4





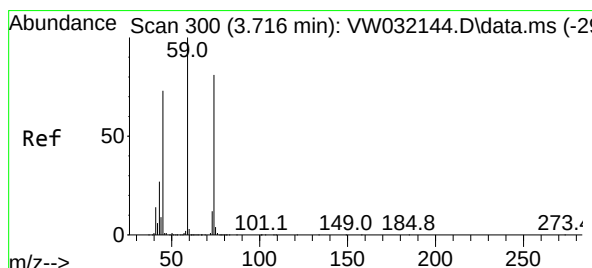
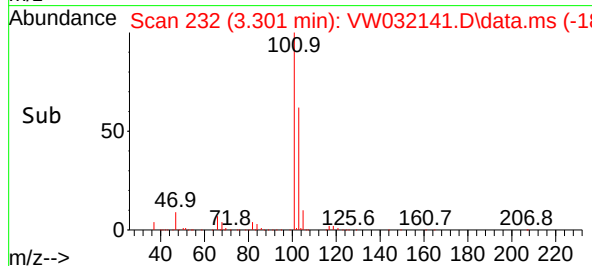
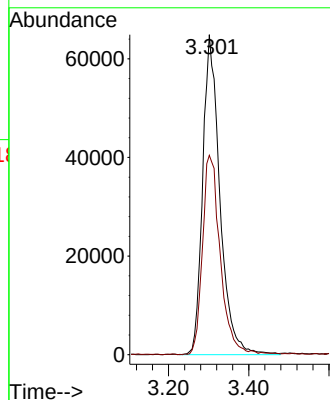
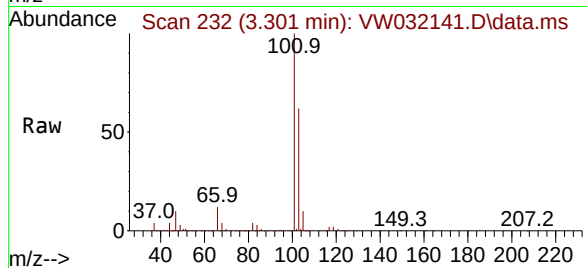
#7
Trichlorofluoromethane
Concen: 101.172 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 19315
Ion Ratio Lower Upper
101 100
103 62.2 47.8 71.8

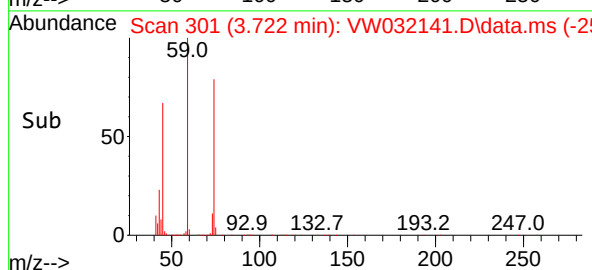
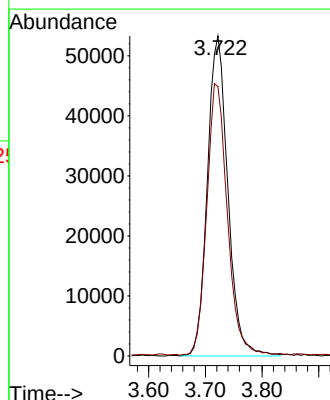
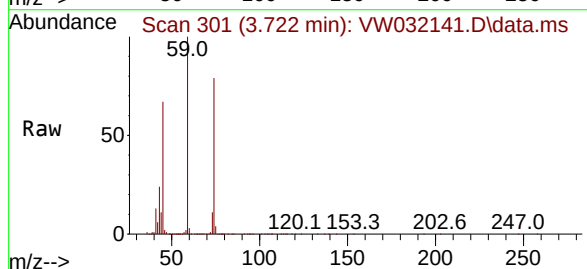
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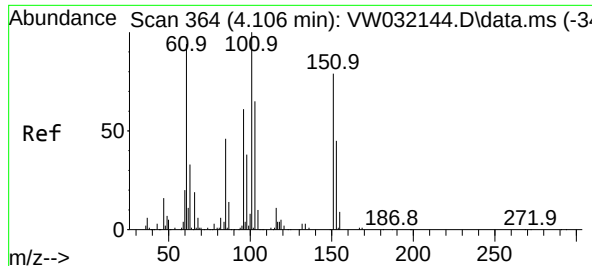
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 94.079 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 74 Resp: 134040
Ion Ratio Lower Upper
74 100
45 85.3 43.1 129.4





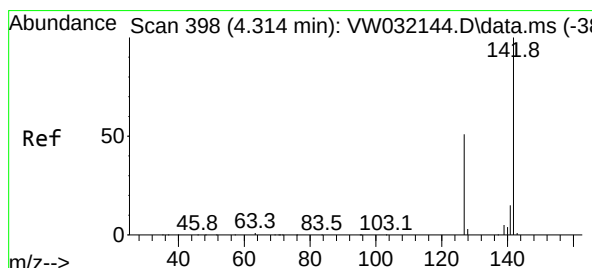
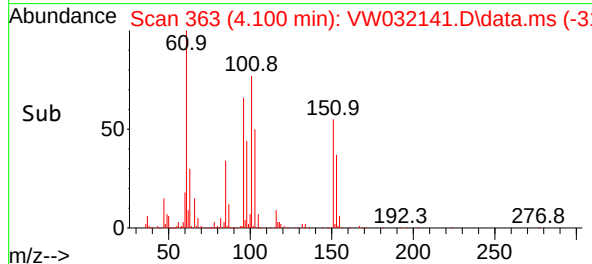
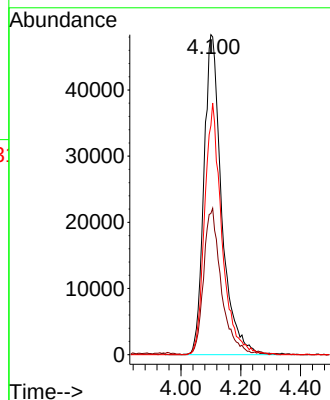
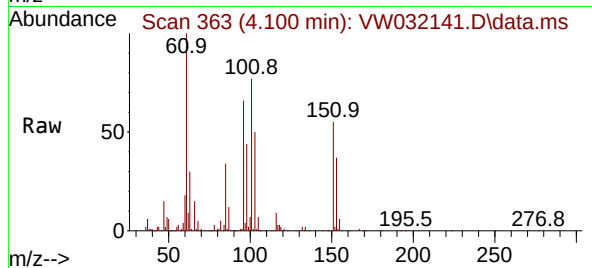
#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.726 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 199429
Ion Ratio Lower Upper
101 100
85 45.4 37.1 55.7
151 76.3 61.5 92.3

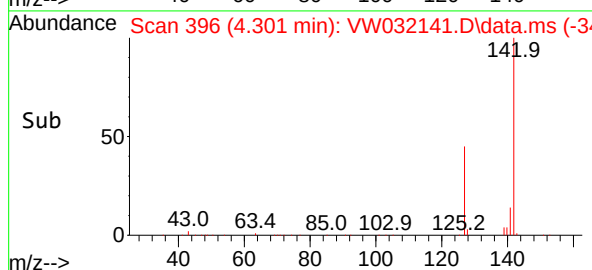
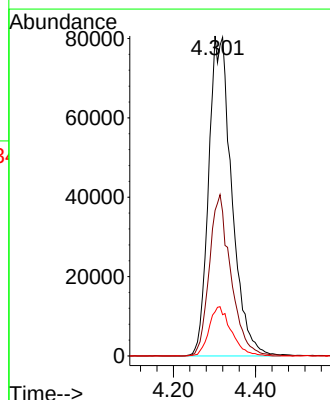
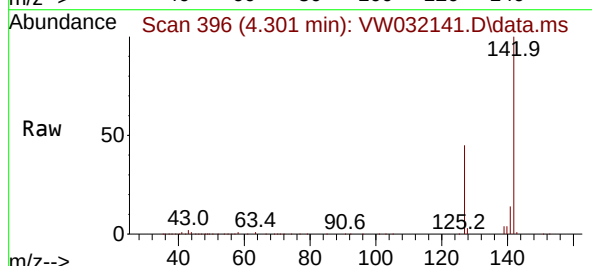
Manual Integrations
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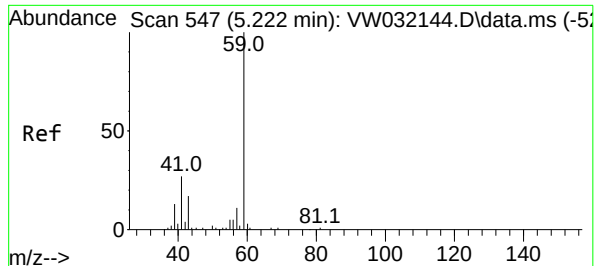
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#10
Methyl Iodide
Concen: 95.989 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion:142 Resp: 314350
Ion Ratio Lower Upper
142 100
127 47.2 38.2 57.2
141 14.8 12.2 18.2





#11

Tert butyl alcohol

Concen: 514.893 ug/l

RT: 5.228 min Scan# 547

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 96529

Ion Ratio Lower Upper

59 100

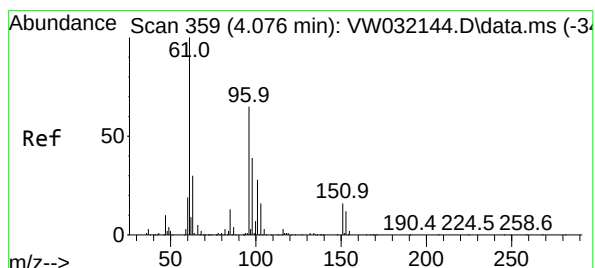
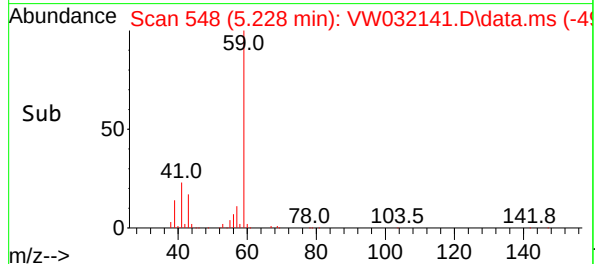
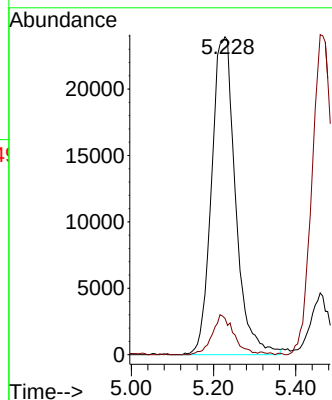
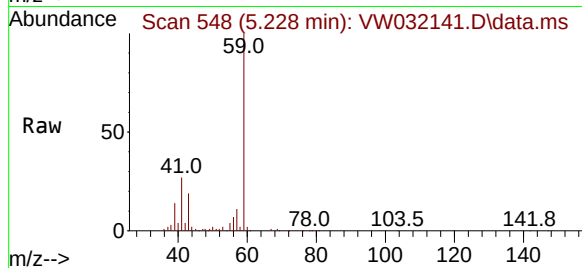
57 11.3 9.8 14.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#12

1,1-Dichloroethene

Concen: 94.253 ug/l

RT: 4.082 min Scan# 360

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

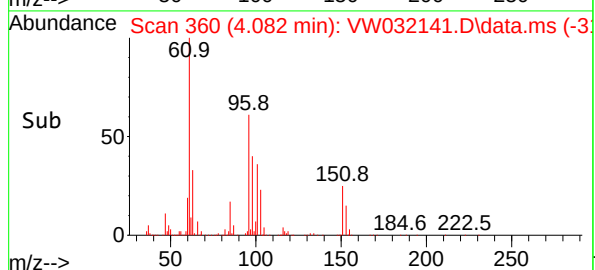
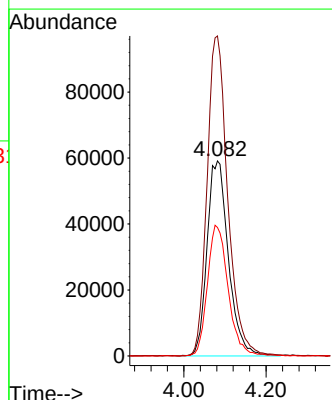
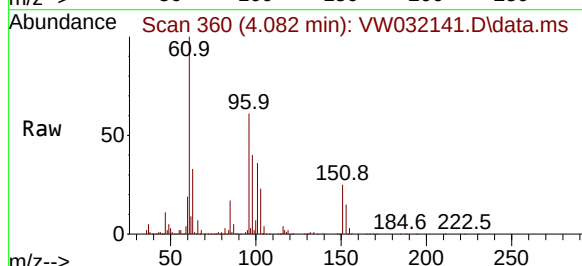
Tgt Ion: 96 Resp: 213483

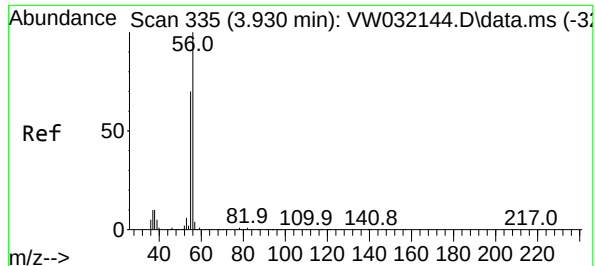
Ion Ratio Lower Upper

96 100

61 164.0 123.0 184.4

98 65.9 48.5 72.7





#13

Acrolein

Concen: 483.829 ug/l

RT: 3.929 min Scan# 31

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 139429

Ion Ratio Lower Upper

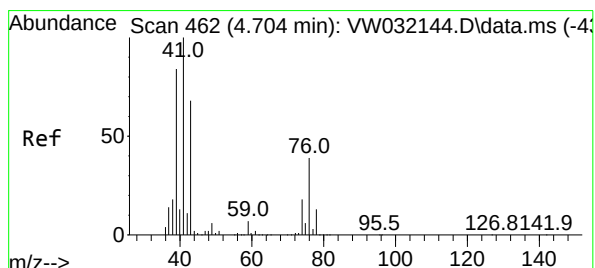
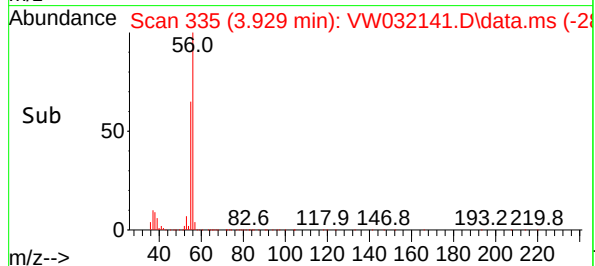
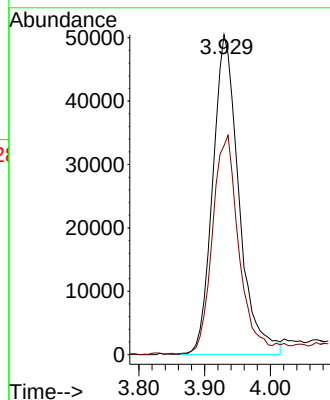
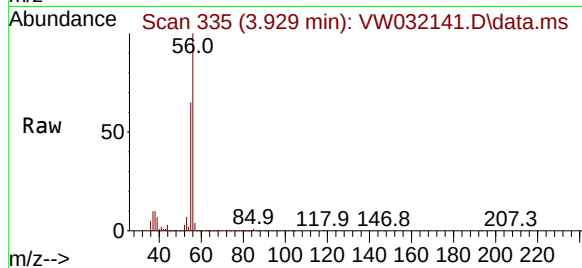
56 100

55 68.9 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#14

Allyl chloride

Concen: 98.737 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

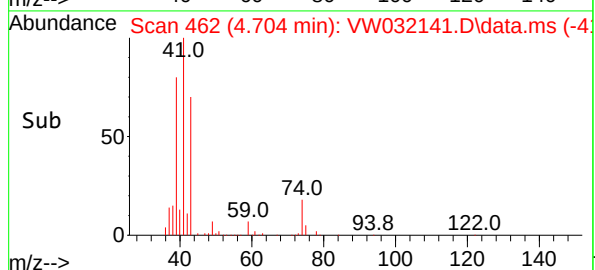
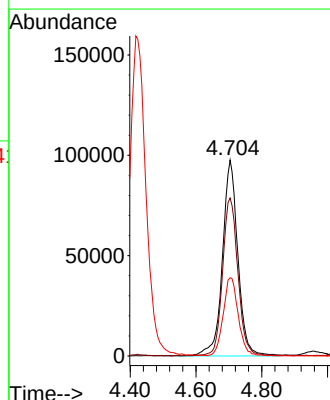
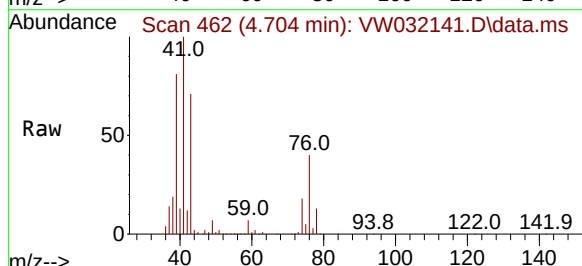
Tgt Ion: 41 Resp: 317666

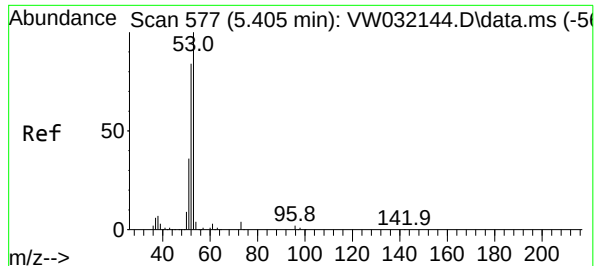
Ion Ratio Lower Upper

41 100

39 79.6 64.1 96.1

76 38.7 31.4 47.2





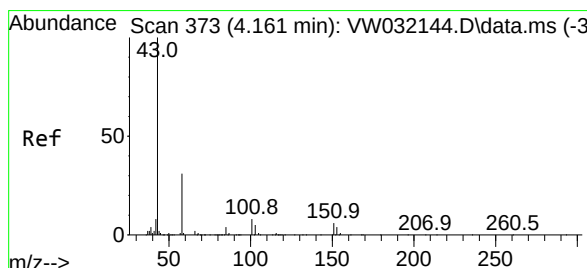
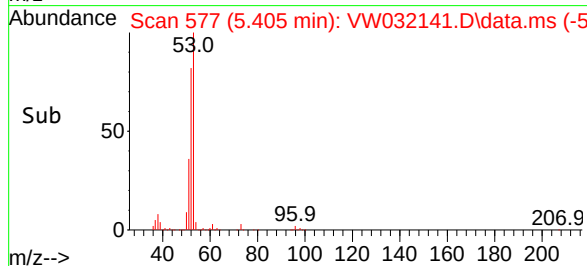
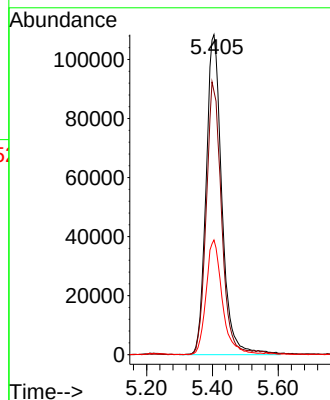
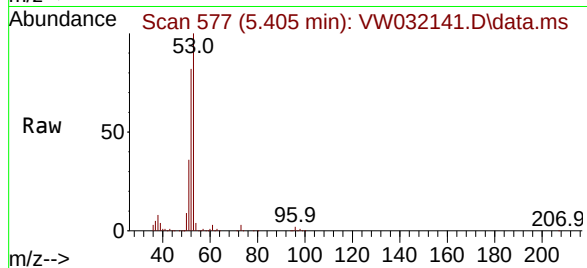
#15
Acrylonitrile
Concen: 522.461 ug/l
RT: 5.405 min Scan# 577
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 361900
Ion Ratio Lower Upper
53 100
52 82.2 67.4 101.2
51 37.0 30.3 45.5

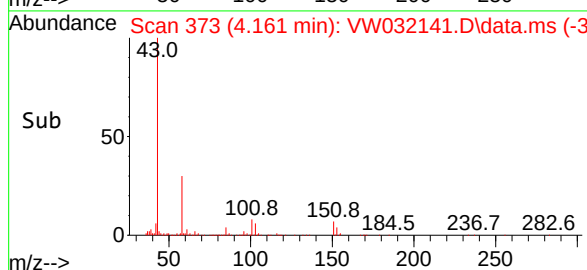
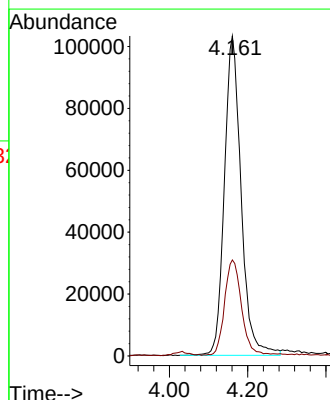
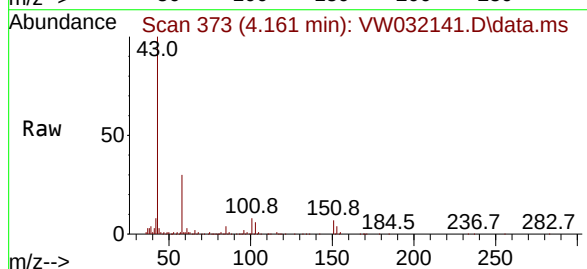
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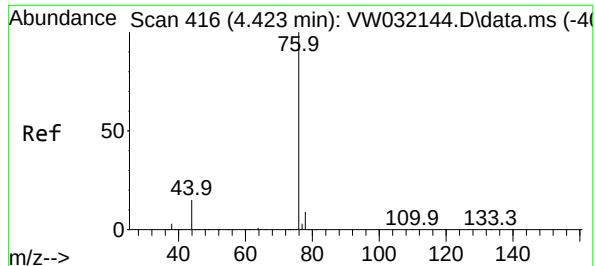
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16
Acetone
Concen: 462.093 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 43 Resp: 306726
Ion Ratio Lower Upper
43 100
58 29.4 25.3 37.9





#17

Carbon Disulfide

Concen: 96.771 ug/l

RT: 4.417 min Scan# 416

Delta R.T. -0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 54821

Ion Ratio Lower Upper

76 100

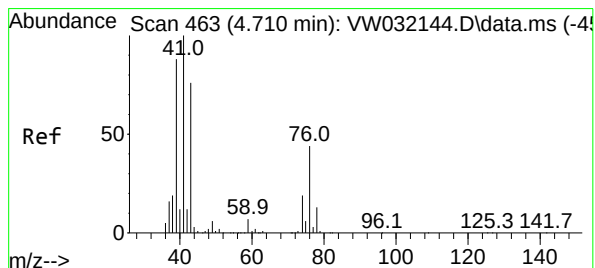
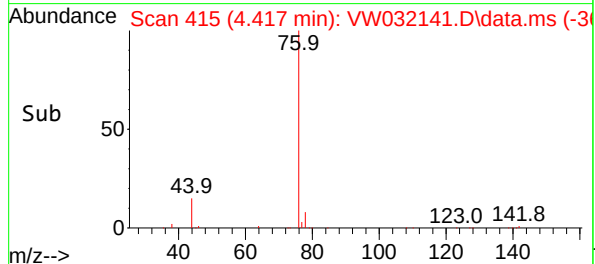
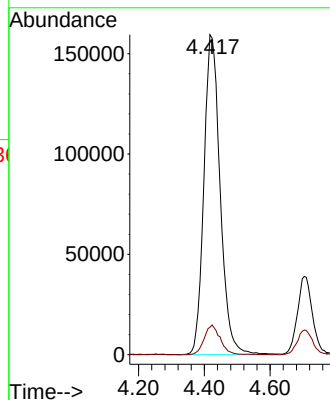
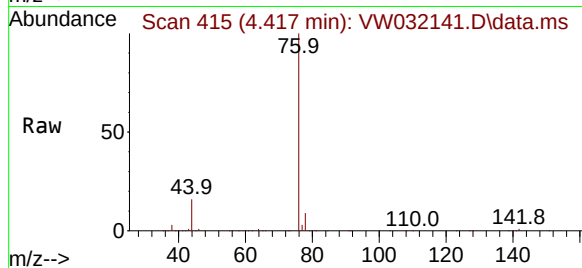
78 8.5 7.0 10.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#18

Methyl Acetate

Concen: 103.419 ug/l

RT: 4.710 min Scan# 463

Delta R.T. -0.000 min

Lab File: VW032141.D

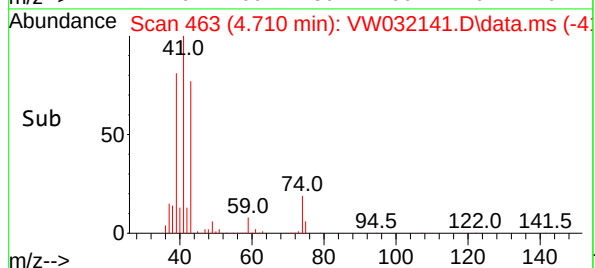
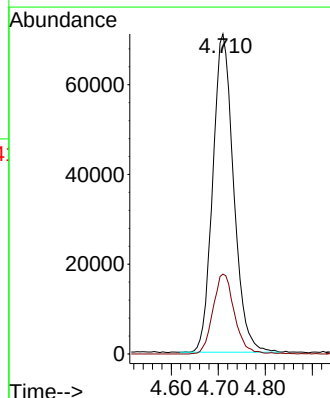
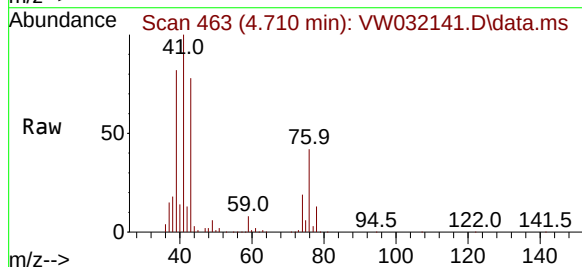
Acq: 26 Aug 2025 11:29

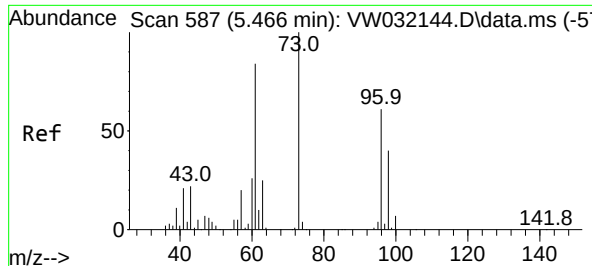
Tgt Ion: 43 Resp: 218721

Ion Ratio Lower Upper

43 100

74 25.7 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 100.671 ug/l

RT: 5.466 min Scan# 503

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 43058

Ion Ratio Lower Upper

73 100

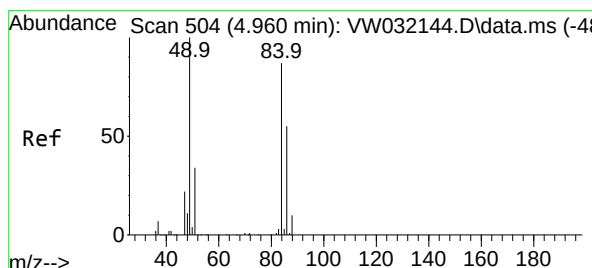
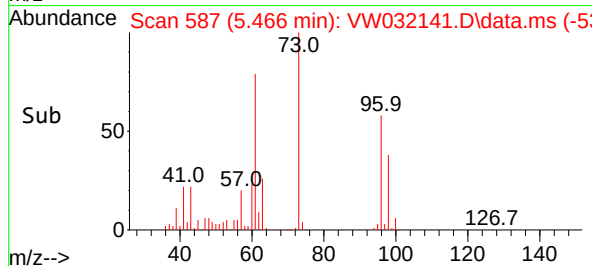
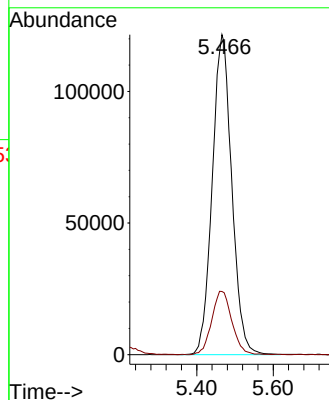
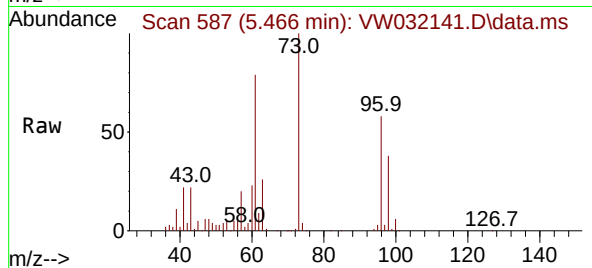
57 19.7 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 99.223 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Tgt Ion: 84 Resp: 249401

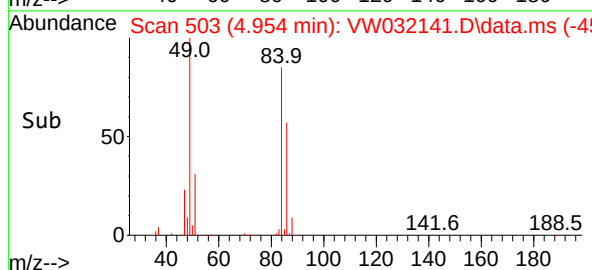
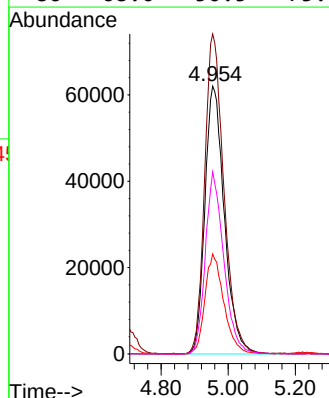
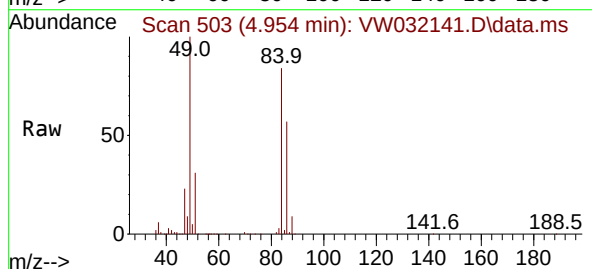
Ion Ratio Lower Upper

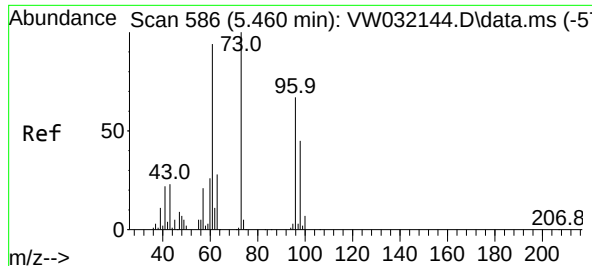
84 100

49 119.2 92.2 138.4

51 37.3 31.0 46.6

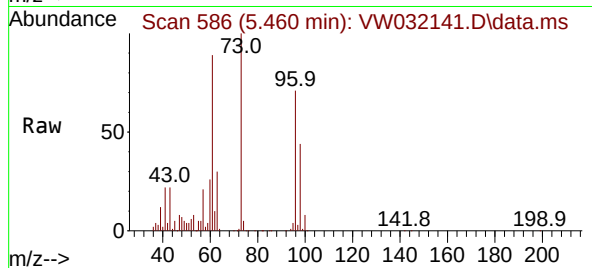
86 68.0 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 97.635 ug/l
RT: 5.460 min Scan# 586
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

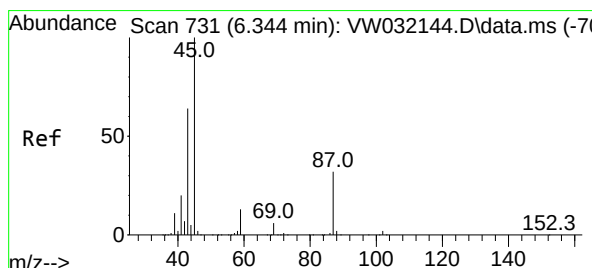
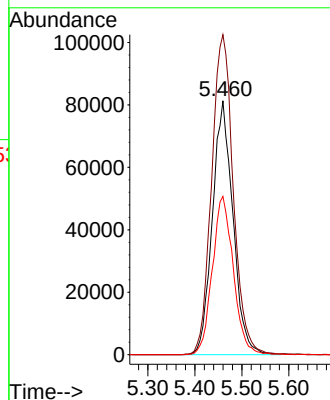
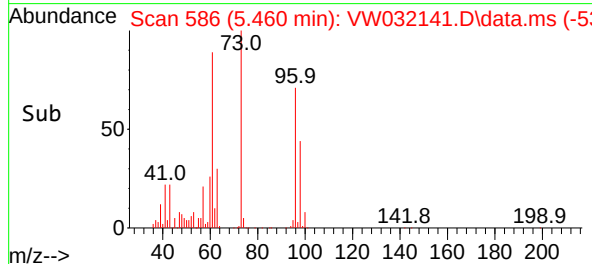
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 24704
Ion Ratio Lower Upper
96 100
61 126.0 112.5 168.7
98 62.3 54.2 81.4

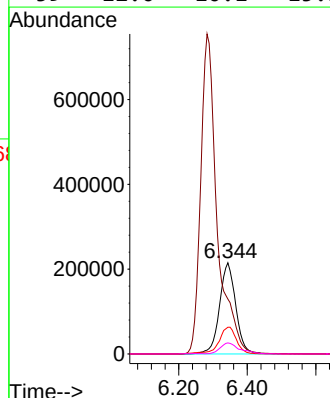
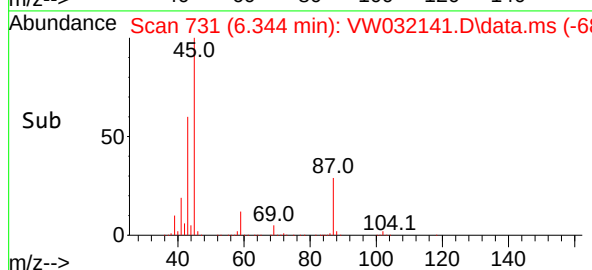
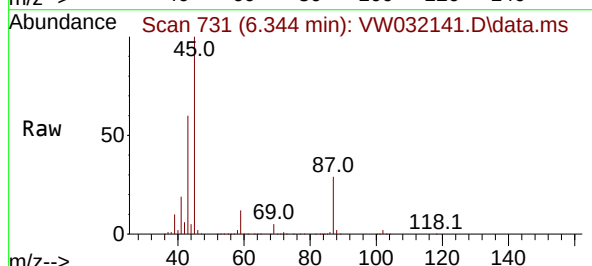
Manual Integrations
APPROVED

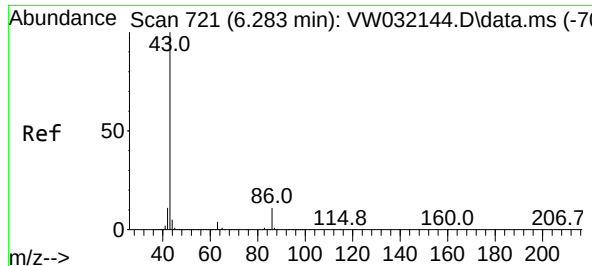
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 100.461 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 45 Resp: 703459
Ion Ratio Lower Upper
45 100
43 60.1 51.4 77.2
87 29.2 25.9 38.9
59 12.0 10.1 15.1





#23

Vinyl Acetate

Concen: 530.152 ug/l

RT: 6.283 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 252395

Ion Ratio Lower Upper

43 100

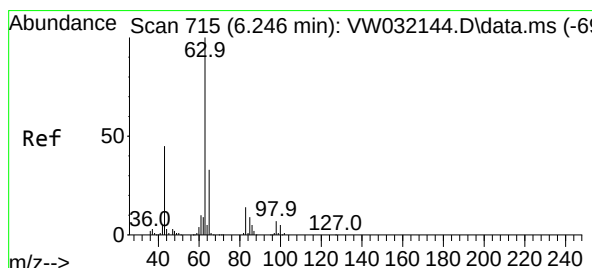
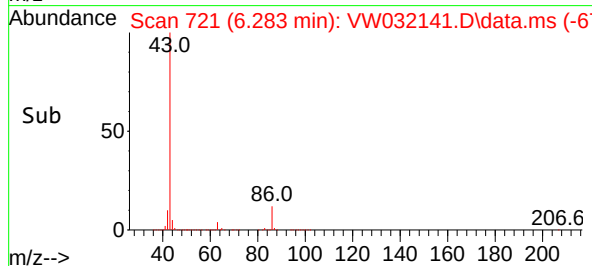
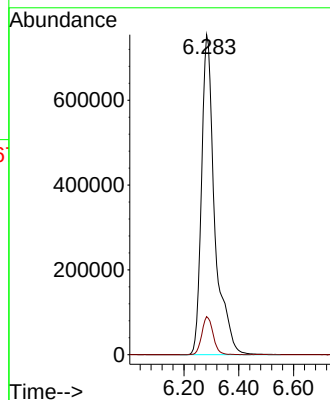
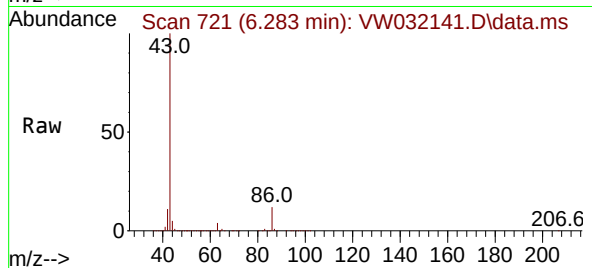
86 11.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#24

1,1-Dichloroethane

Concen: 95.888 ug/l

RT: 6.246 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

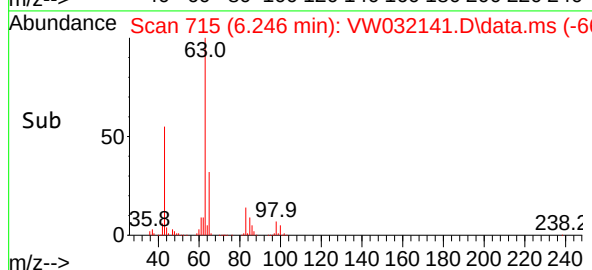
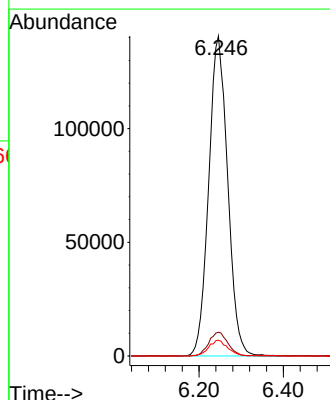
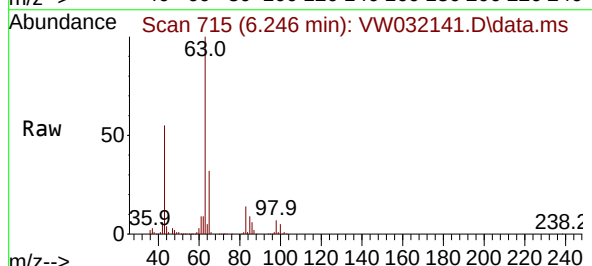
Tgt Ion: 63 Resp: 439569

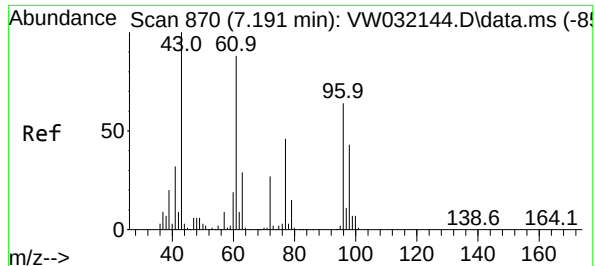
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 529.422 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 497969

Ion Ratio Lower Upper

43 100

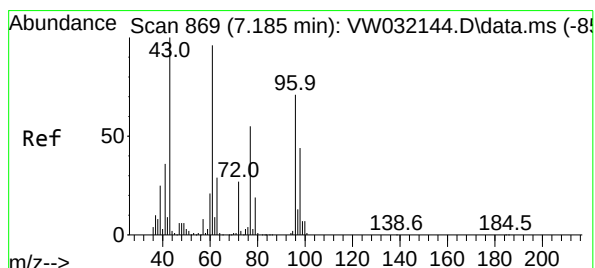
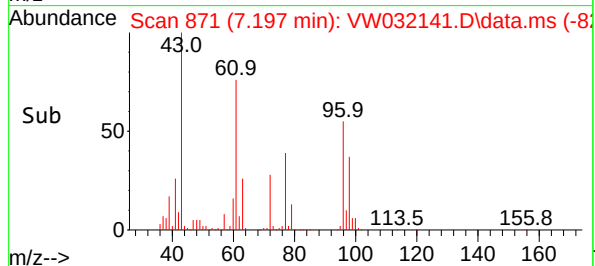
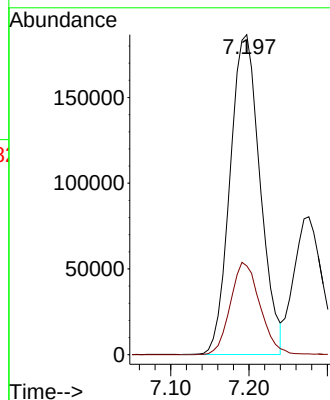
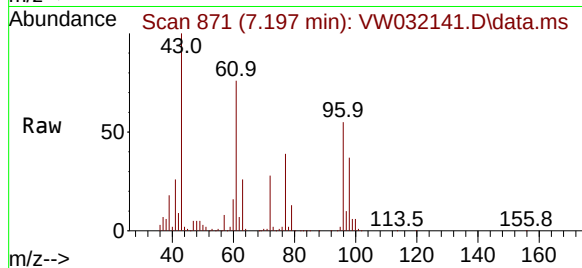
72 27.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 99.327 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032141.D

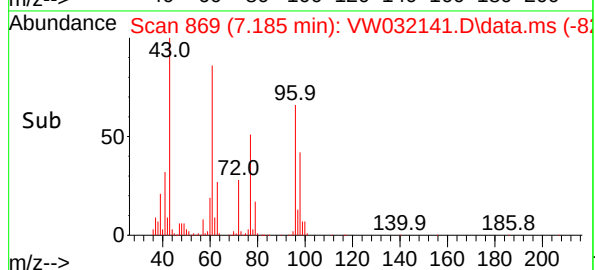
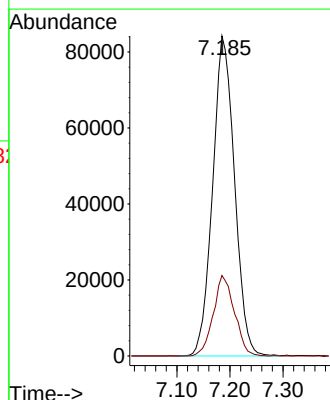
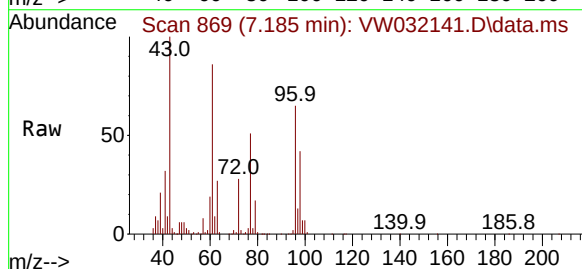
Acq: 26 Aug 2025 11:29

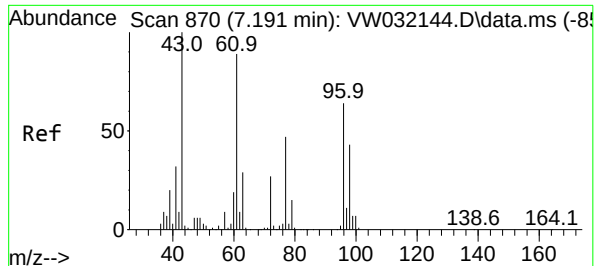
Tgt Ion: 77 Resp: 241129

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 98.117 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 302098

Ion Ratio Lower Upper

96 100

61 133.8 0.0 268.0

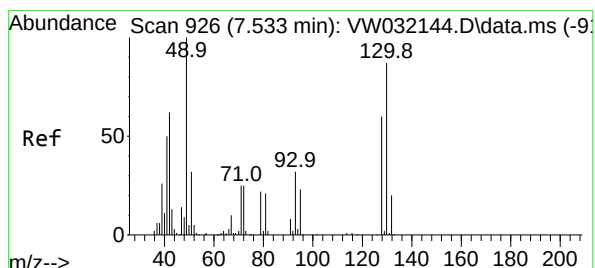
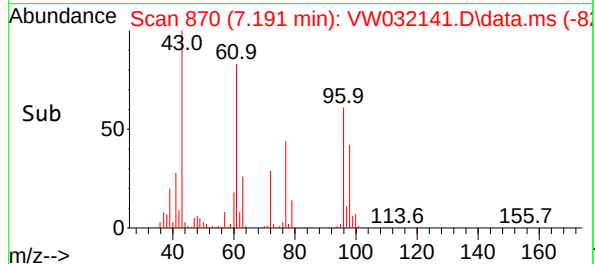
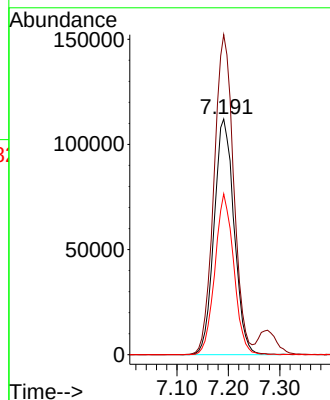
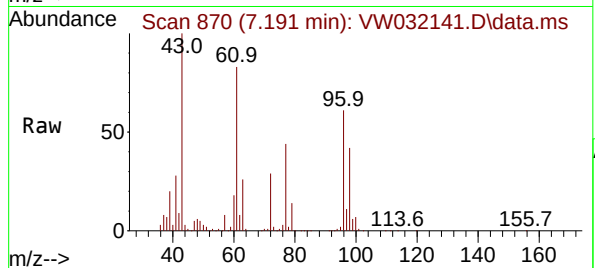
98 64.5 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 97.052 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

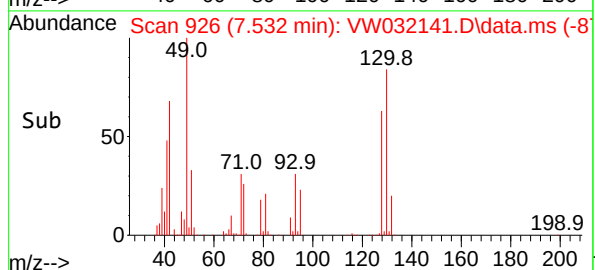
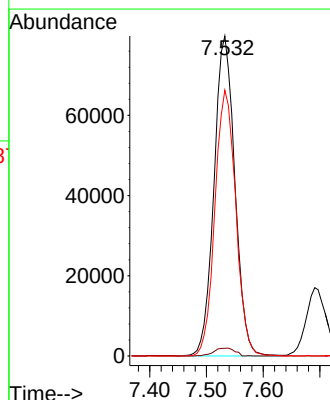
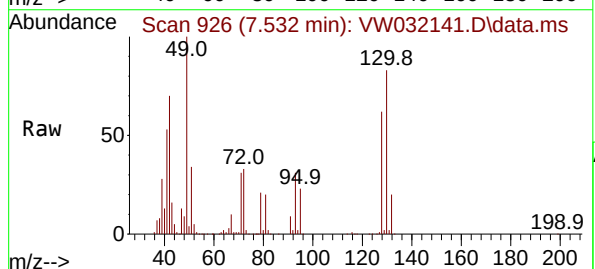
Tgt Ion: 49 Resp: 203663

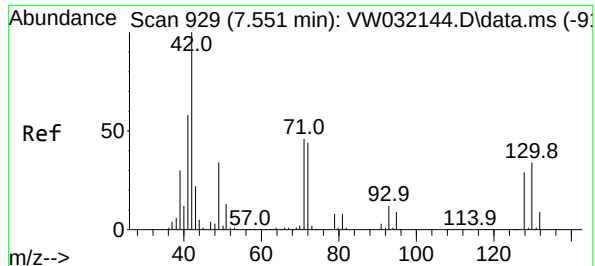
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 83.2 67.5 101.3





#29

Tetrahydrofuran

Concen: 533.016 ug/l

RT: 7.551 min Scan# 929

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 31858

Ion Ratio Lower Upper

42 100

72 48.4 37.4 56.2

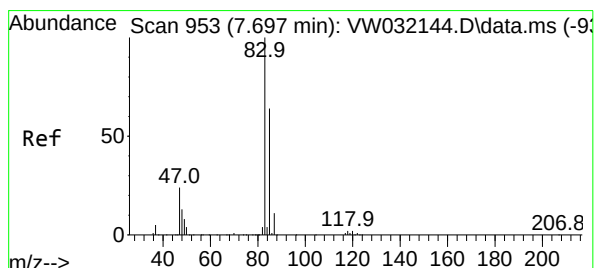
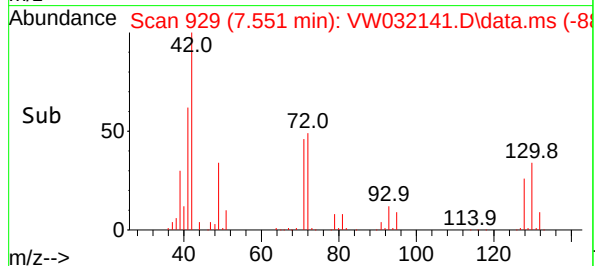
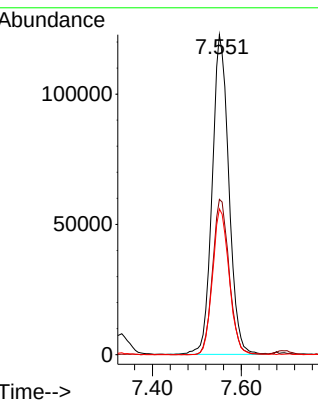
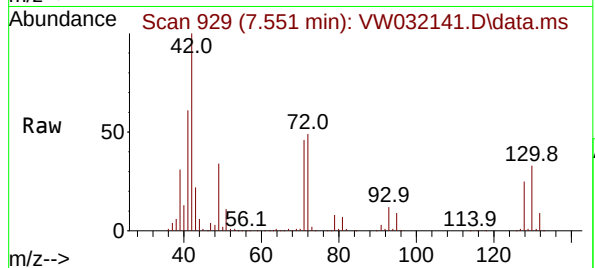
71 45.4 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 96.112 ug/l

RT: 7.697 min Scan# 953

Delta R.T. -0.000 min

Lab File: VW032141.D

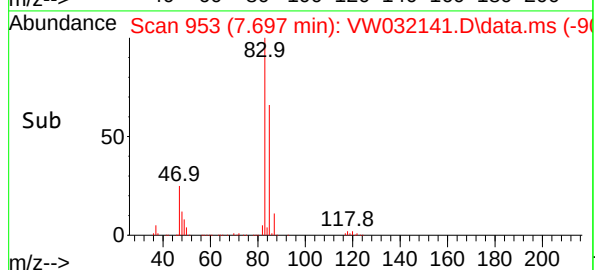
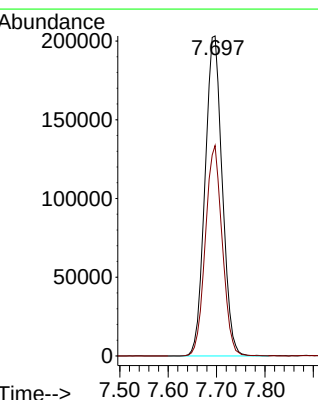
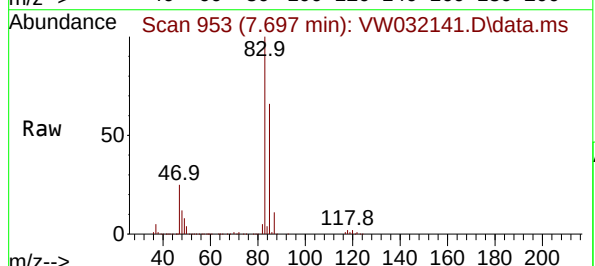
Acq: 26 Aug 2025 11:29

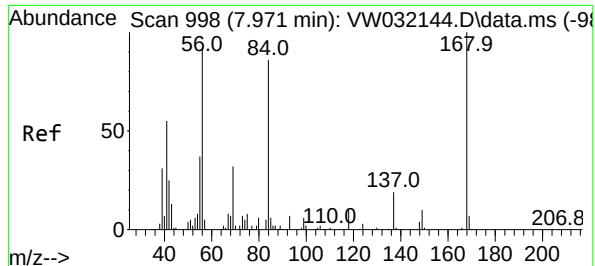
Tgt Ion: 83 Resp: 503040

Ion Ratio Lower Upper

83 100

85 65.7 51.2 76.8





#31

Cyclohexane

Concen: 90.646 ug/l

RT: 7.971 min Scan# 998

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 341064

Ion Ratio Lower Upper

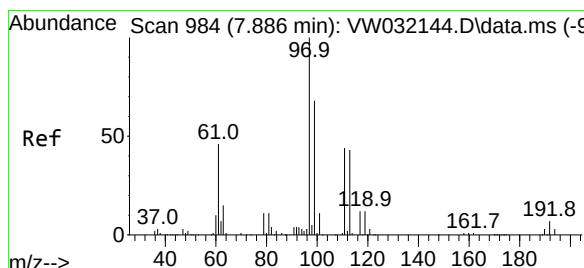
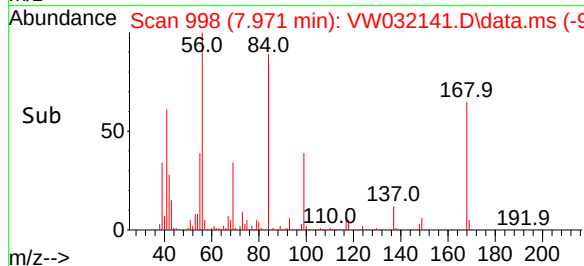
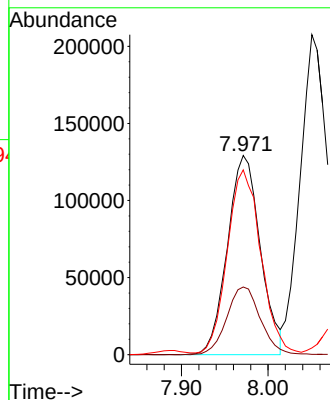
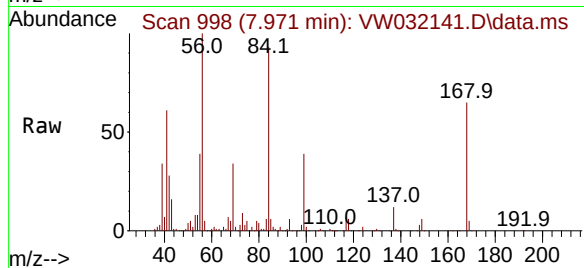
56 100

69 34.0 27.7 41.5

84 91.2 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#32

1,1,1-Trichloroethane

Concen: 95.007 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

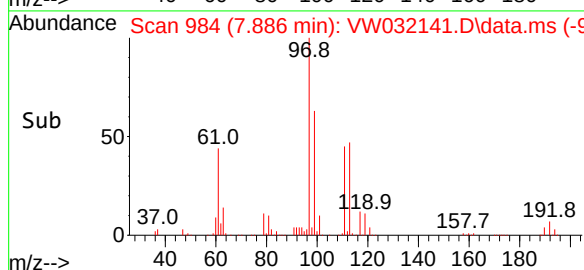
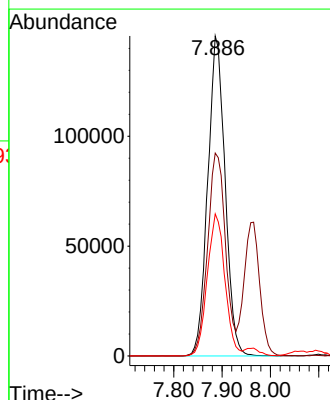
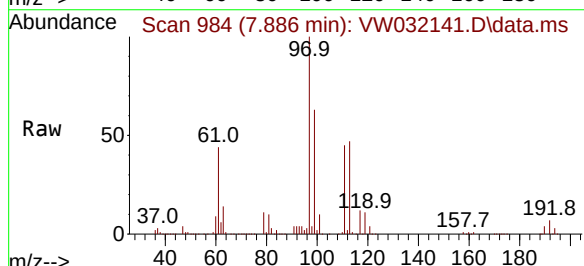
Tgt Ion: 97 Resp: 362994

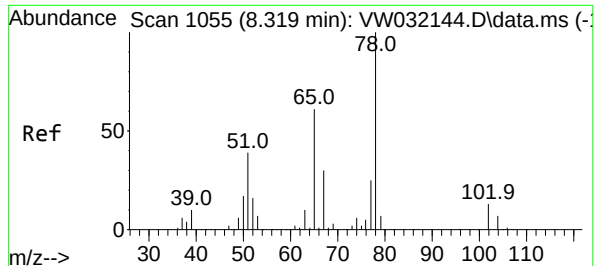
Ion Ratio Lower Upper

97 100

99 65.8 50.9 76.3

61 45.2 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 96.455 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 295629

Ion Ratio Lower Upper

65 100

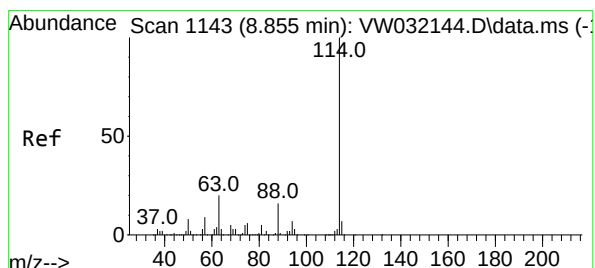
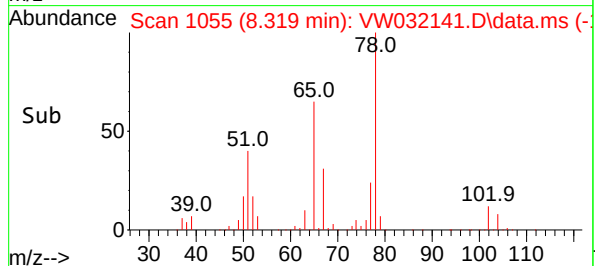
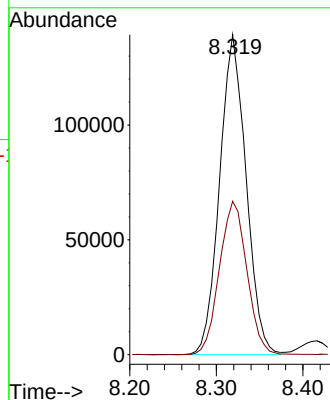
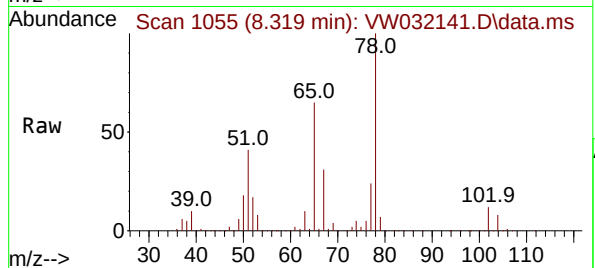
67 49.9 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

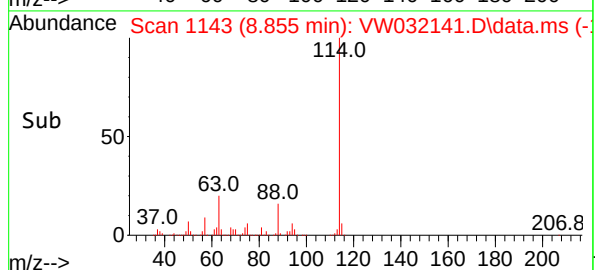
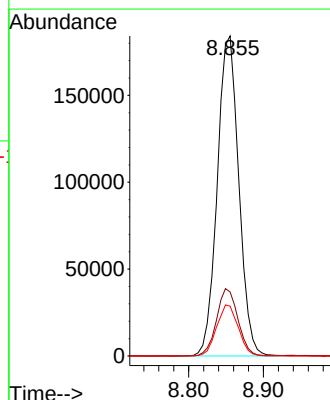
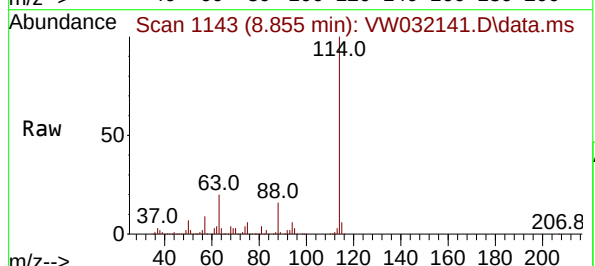
Tgt Ion:114 Resp: 368598

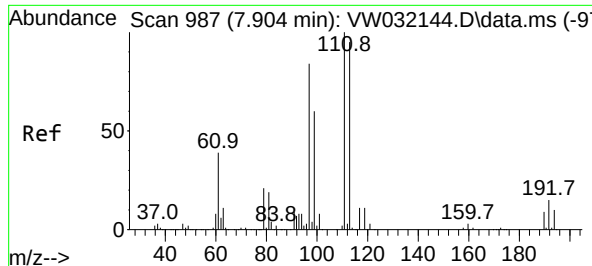
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.4

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 95.431 ug/l

RT: 7.904 min Scan# 9

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 24679

Ion Ratio Lower Upper

113 100

111 102.8 83.9 125.9

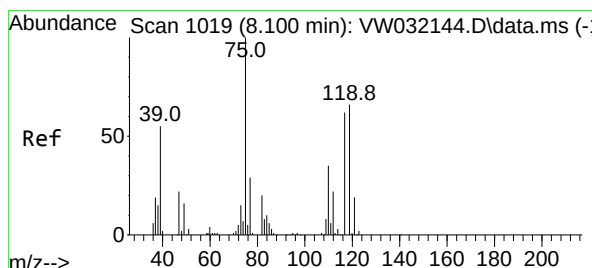
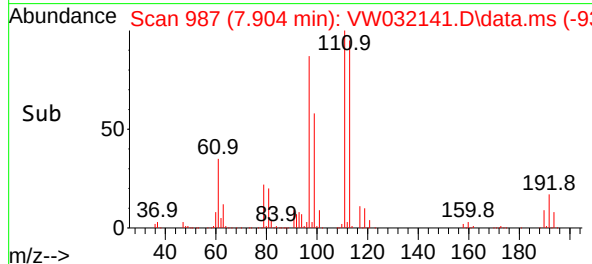
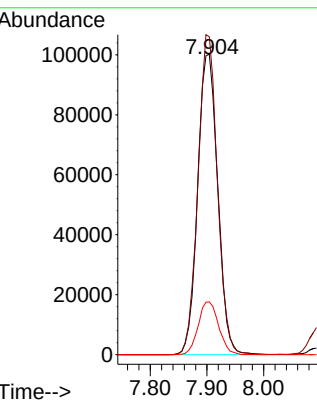
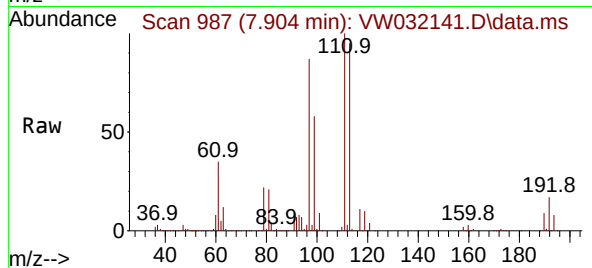
192 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 97.392 ug/l

RT: 8.099 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

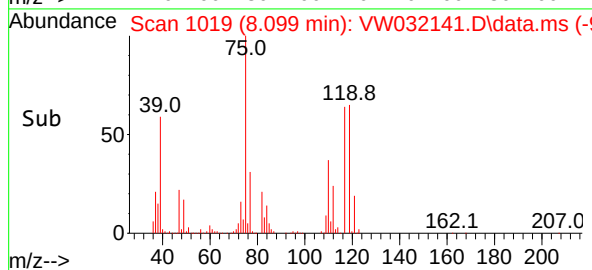
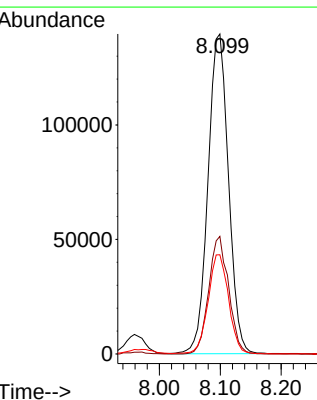
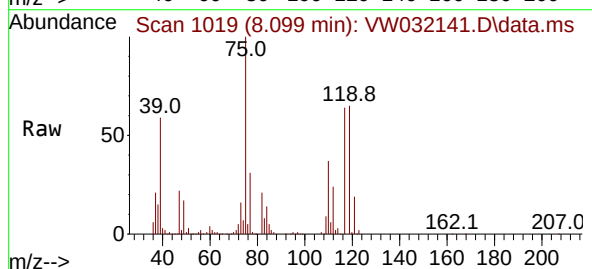
Tgt Ion: 75 Resp: 326557

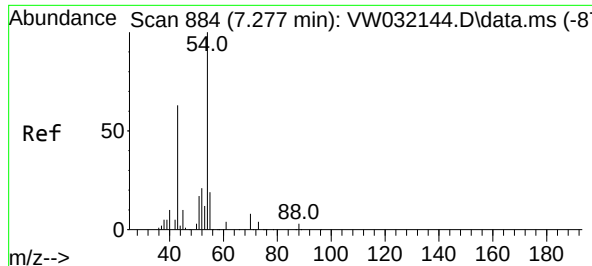
Ion Ratio Lower Upper

75 100

110 35.7 17.5 52.5

77 30.9 24.1 36.1





#37

Ethyl Acetate

Concen: 104.099 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

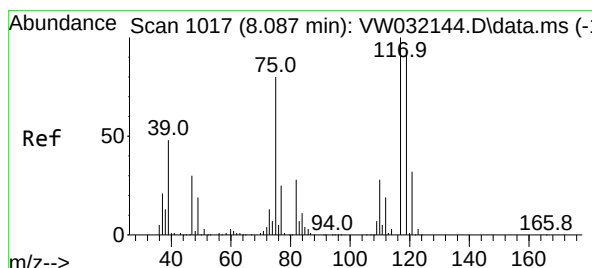
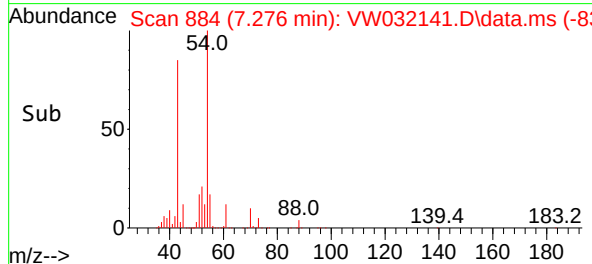
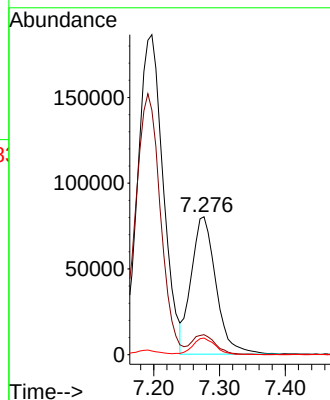
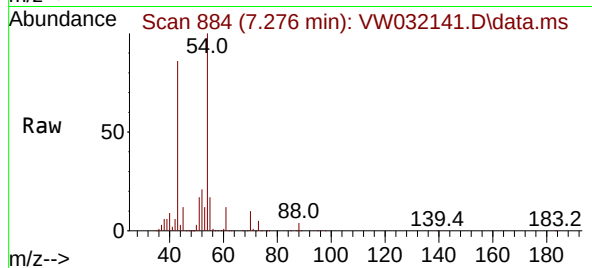
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	209389
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	11.4	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 97.846 ug/l

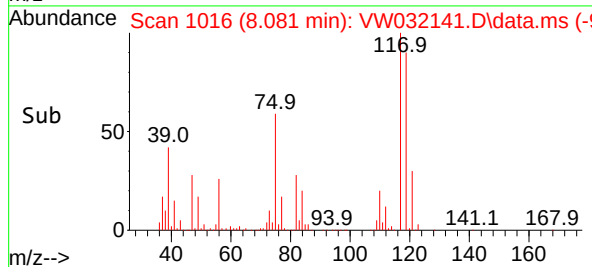
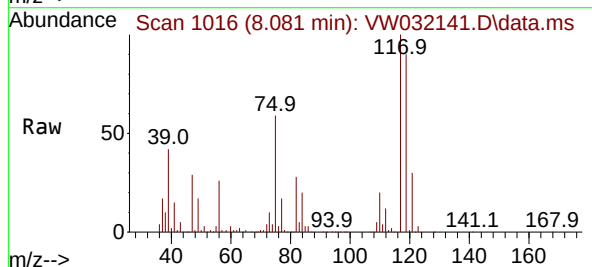
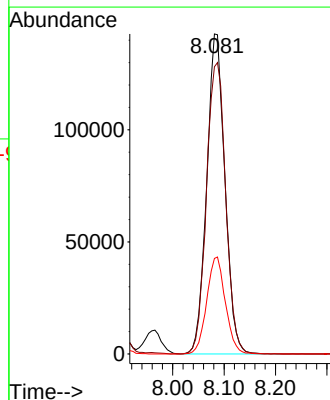
RT: 8.081 min Scan# 1016

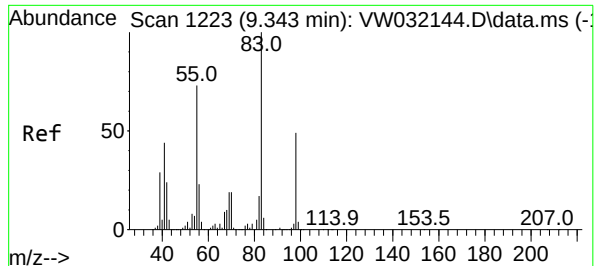
Delta R.T. -0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Tgt Ion:	117	Resp:	351706
Ion	Ratio	Lower	Upper
117	100		
119	89.8	74.2	111.2
121	29.9	25.6	38.4





#39

Methylcyclohexane

Concen: 102.003 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 40510

Ion Ratio Lower Upper

83 100

55 75.1 58.4 87.6

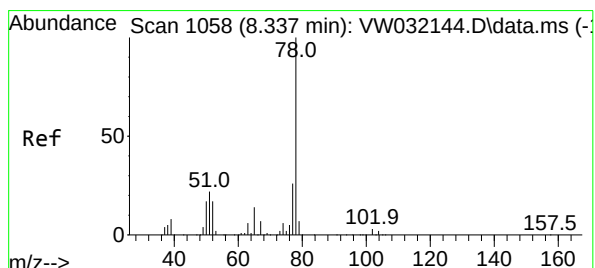
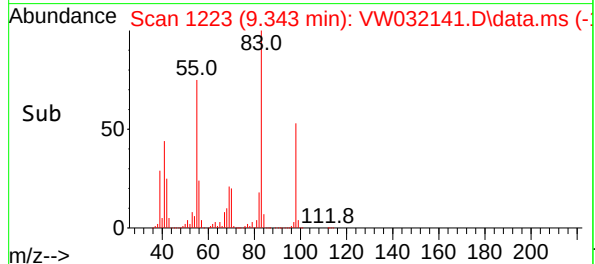
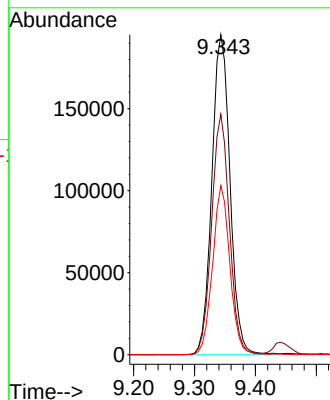
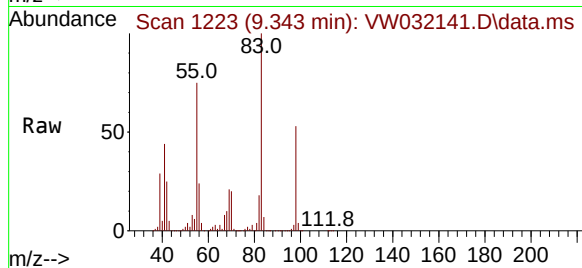
98 52.8 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 96.909 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032141.D

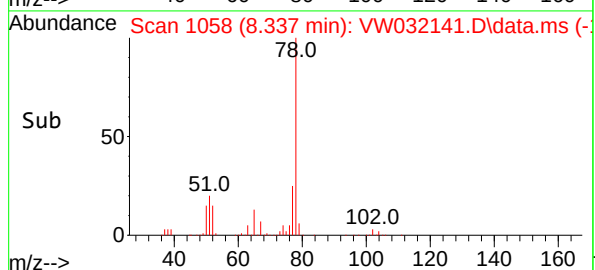
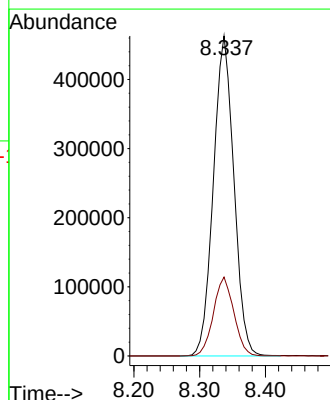
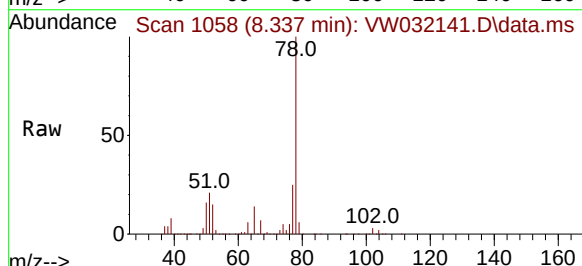
Acq: 26 Aug 2025 11:29

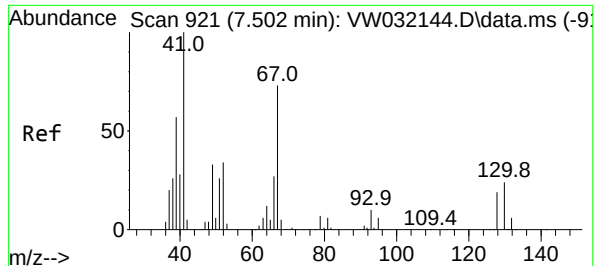
Tgt Ion: 78 Resp: 1004428

Ion Ratio Lower Upper

78 100

77 24.6 20.7 31.1





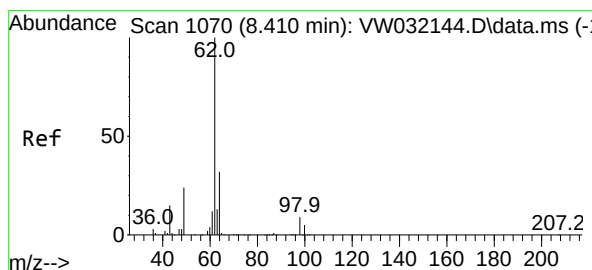
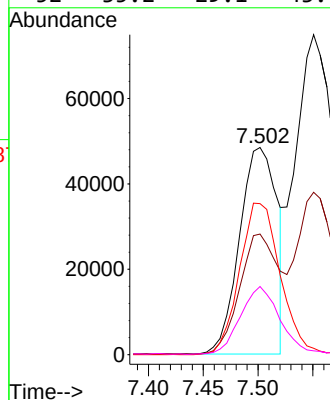
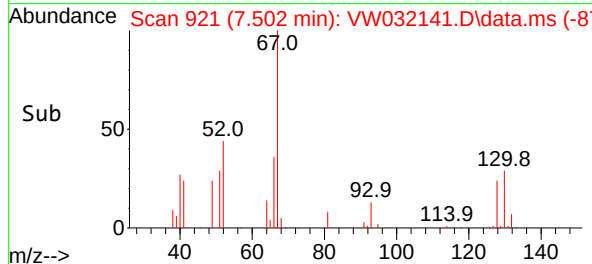
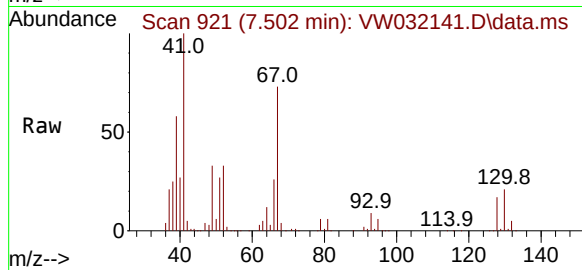
#41
Methacrylonitrile
Concen: 102.923 ug/l
RT: 7.502 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.1	50.9	76.3
67	80.5	65.6	98.4
52	35.2	29.1	43.7

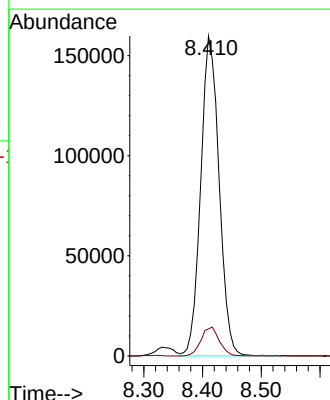
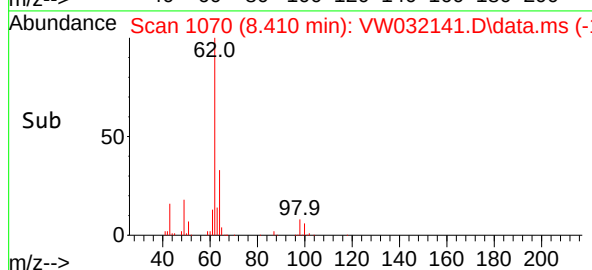
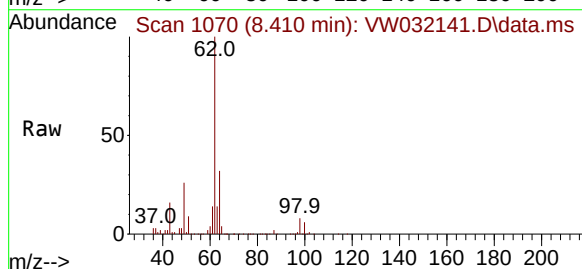
Manual Integrations
APPROVED

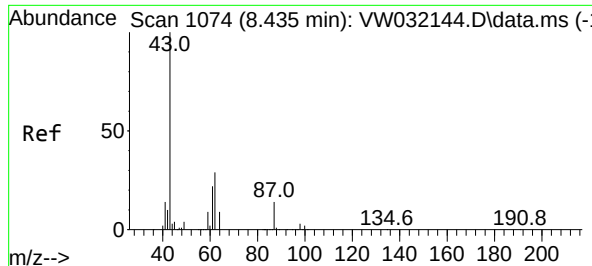
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 96.602 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#43

Isopropyl Acetate

Concen: 105.105 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

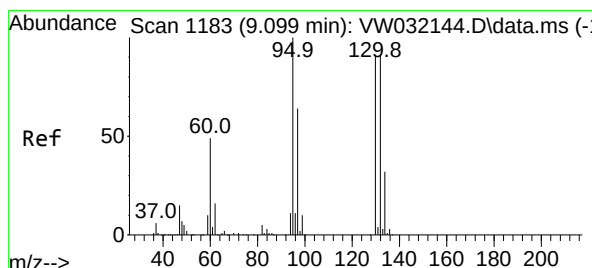
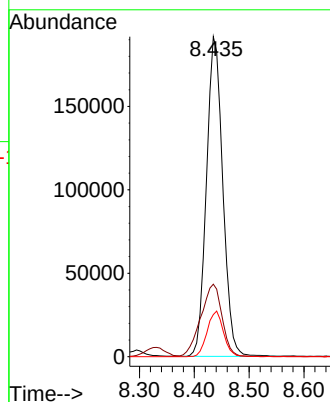
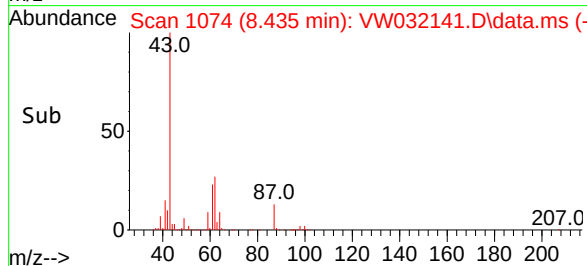
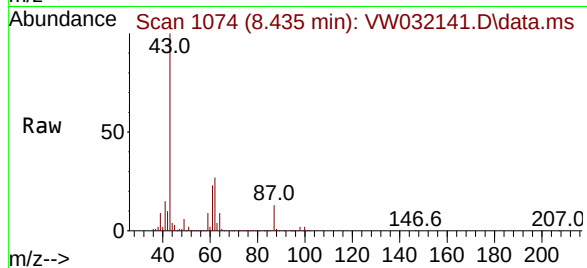
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	39661
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.3	34.9
87	14.2	11.1	16.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44

Trichloroethene

Concen: 97.081 ug/l

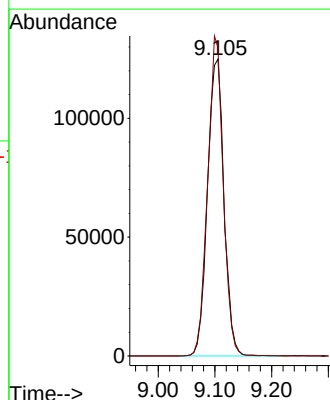
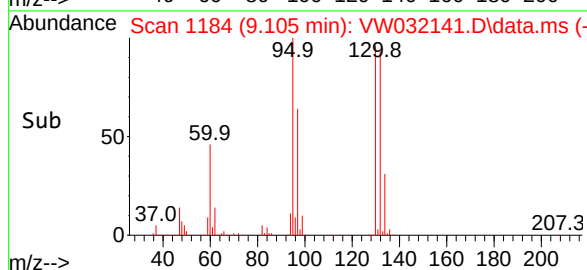
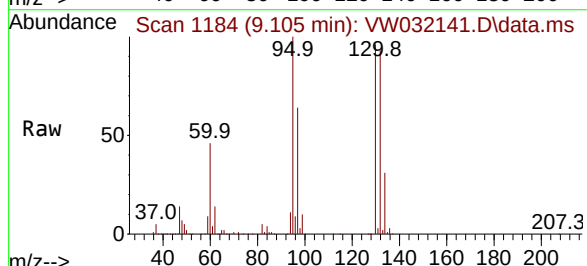
RT: 9.105 min Scan# 1184

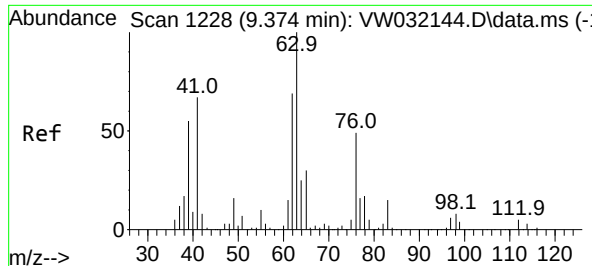
Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Tgt Ion:	130	Resp:	253041
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	220.0





#45

1,2-Dichloropropane

Concen: 95.155 ug/l

RT: 9.380 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 237748

Ion Ratio Lower Upper

63 100

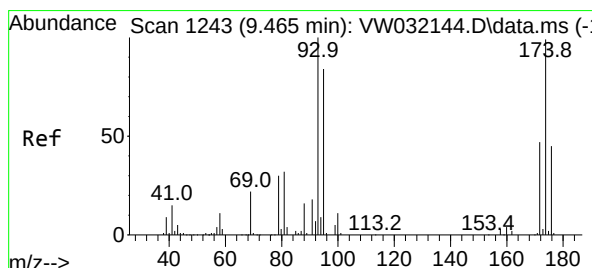
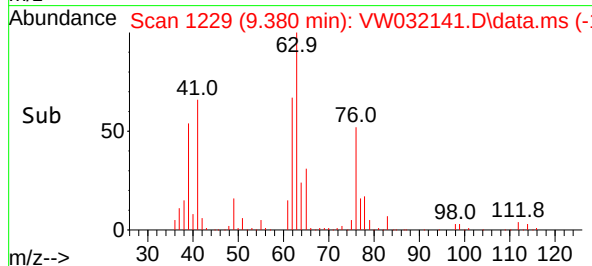
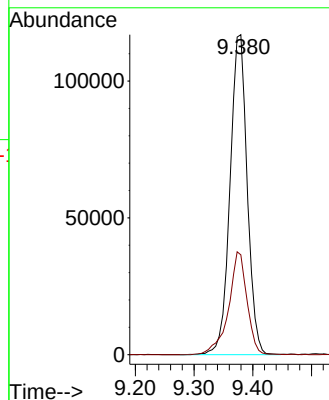
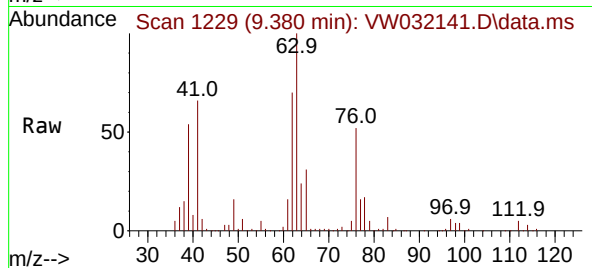
65 31.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 97.506 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

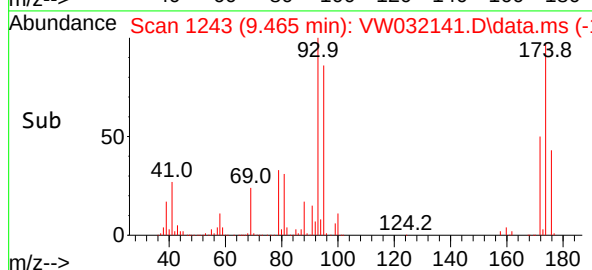
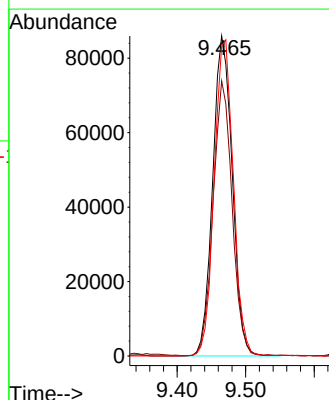
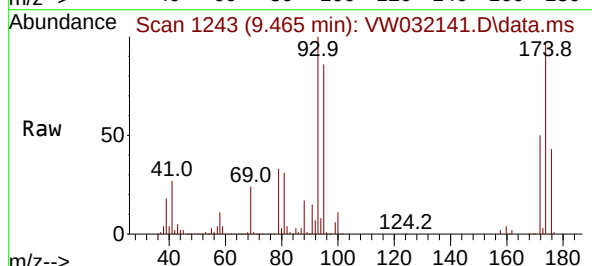
Tgt Ion: 93 Resp: 170875

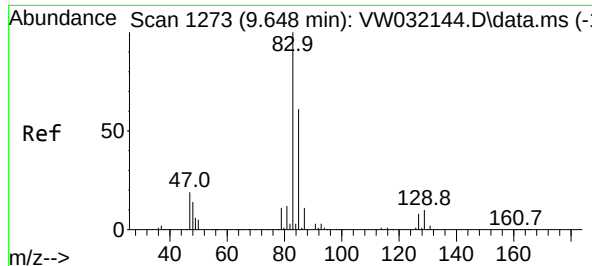
Ion Ratio Lower Upper

93 100

95 83.1 67.4 101.2

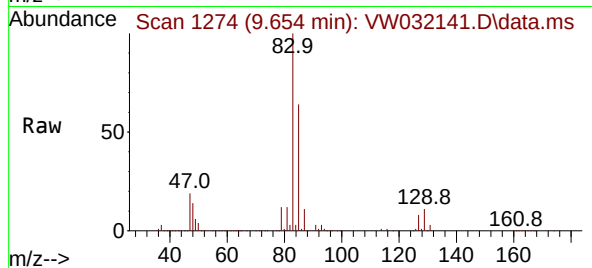
174 96.8 75.7 113.5





#47
Bromodichloromethane
Concen: 98.293 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

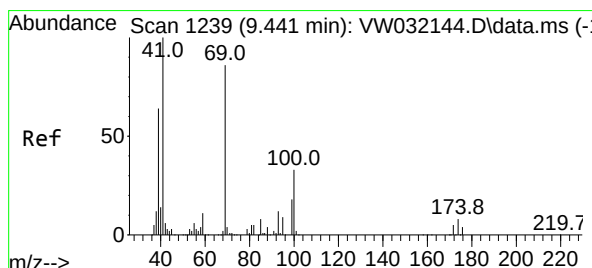
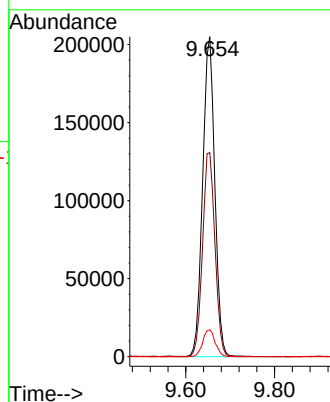
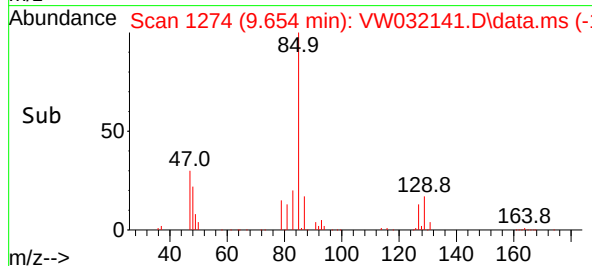
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 39144
Ion Ratio Lower Upper
83 100
85 63.8 48.7 73.1
127 8.4 6.4 9.6

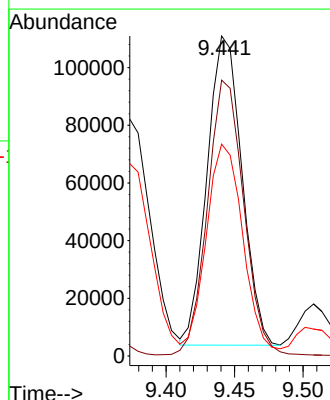
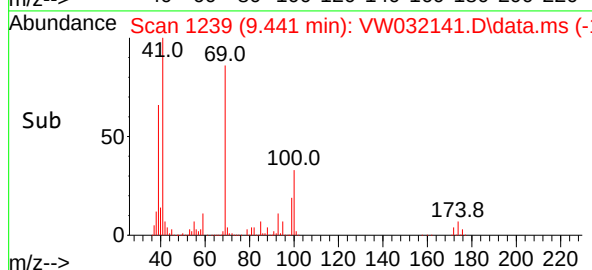
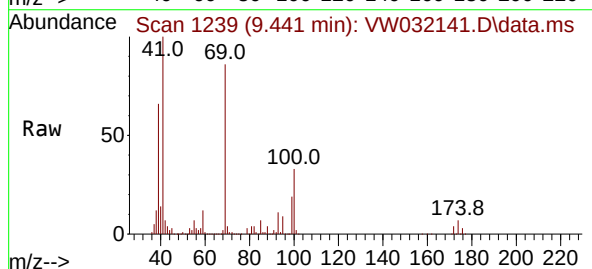
Manual Integrations
APPROVED

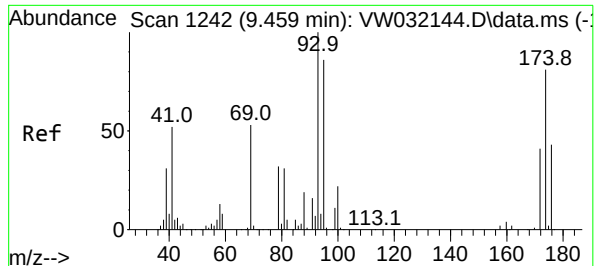
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48
Methyl methacrylate
Concen: 108.864 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 41 Resp: 189315
Ion Ratio Lower Upper
41 100
69 93.3 71.5 107.3
39 73.0 55.9 83.9





#49

1,4-Dioxane

Concen: 2121.836 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 4492

Ion Ratio Lower Upper

88 100

43 22.2 18.0 27.0

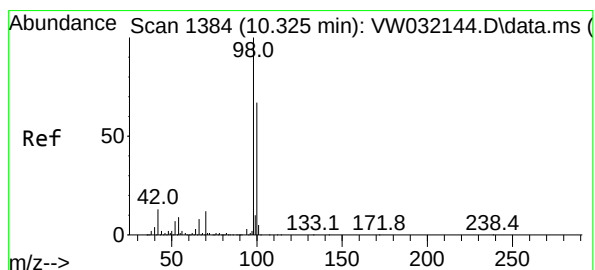
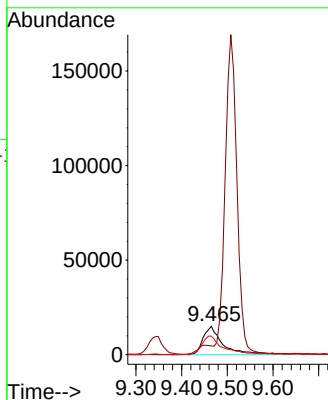
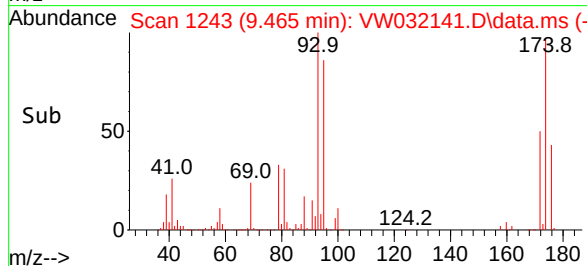
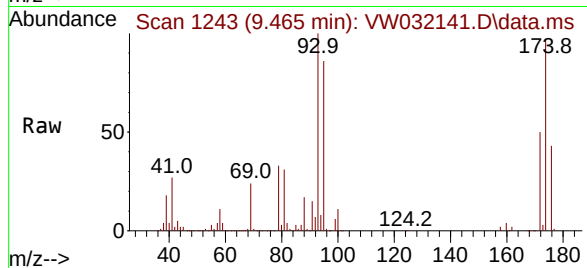
58 70.2 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 96.743 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032141.D

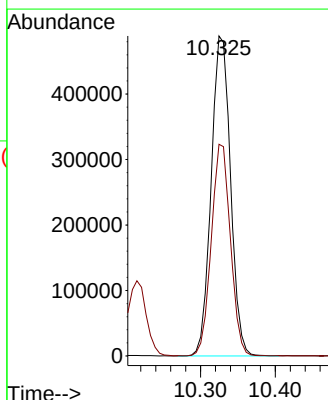
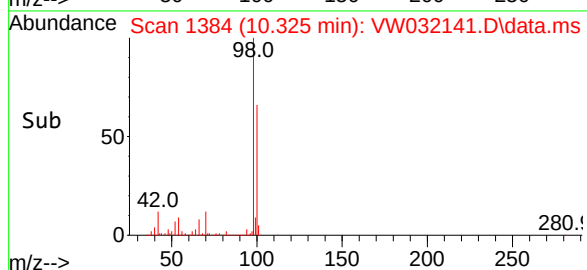
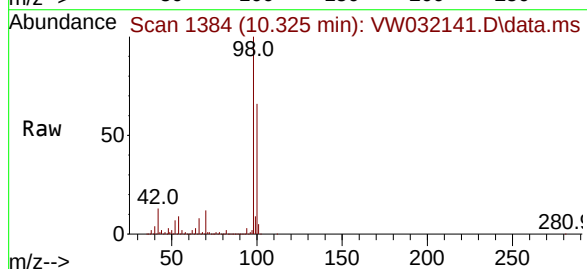
Acq: 26 Aug 2025 11:29

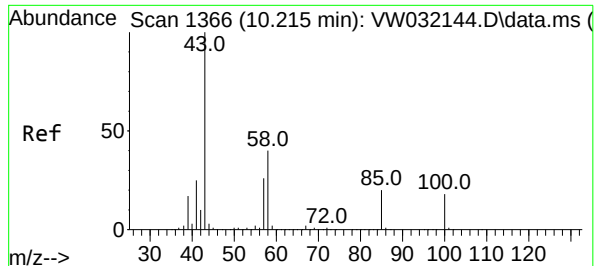
Tgt Ion: 98 Resp: 878263

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.2





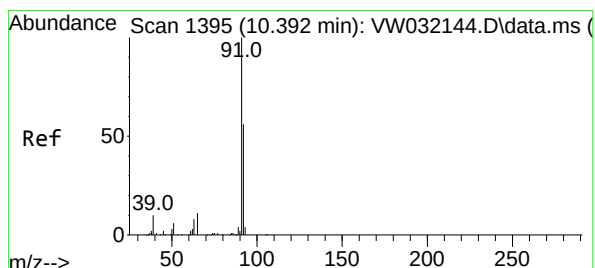
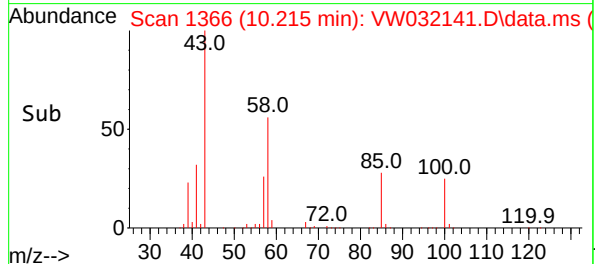
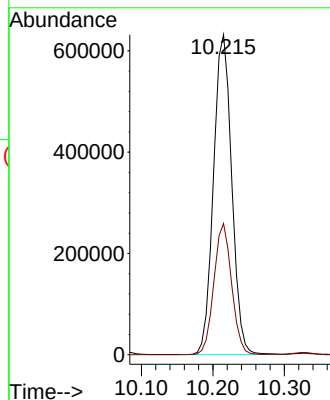
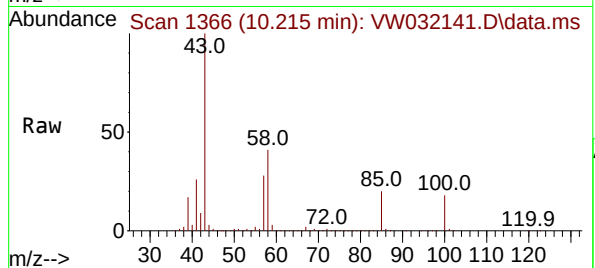
#51
4-Methyl-2-Pentanone
Concen: 525.549 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1119790
Ion Ratio Lower Upper
43 100
58 39.9 32.0 48.0

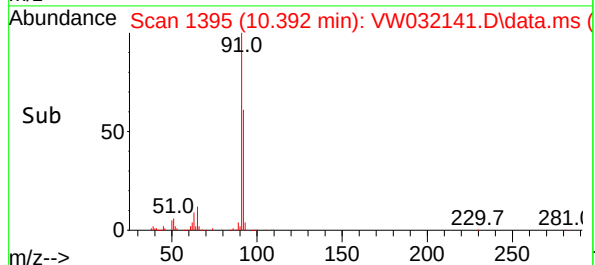
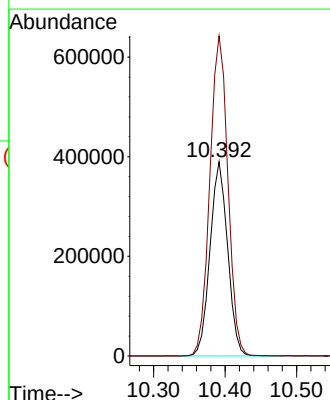
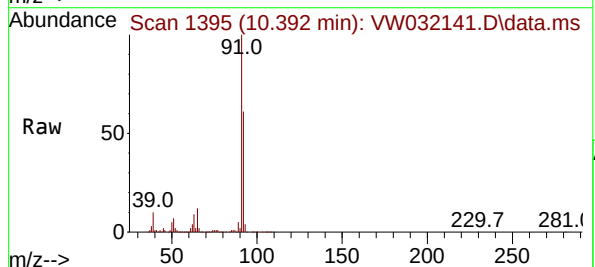
Manual Integrations
APPROVED

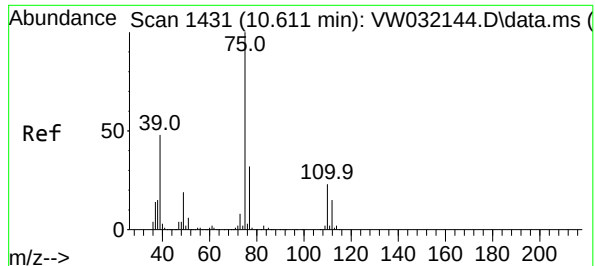
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 98.198 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 92 Resp: 665096
Ion Ratio Lower Upper
92 100
91 169.4 137.5 206.3





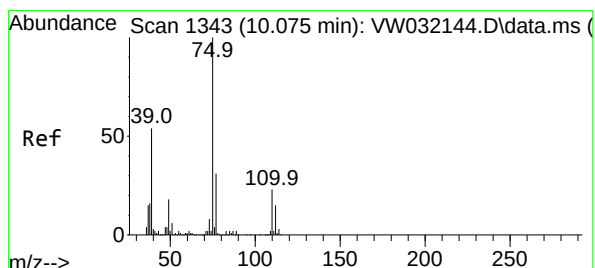
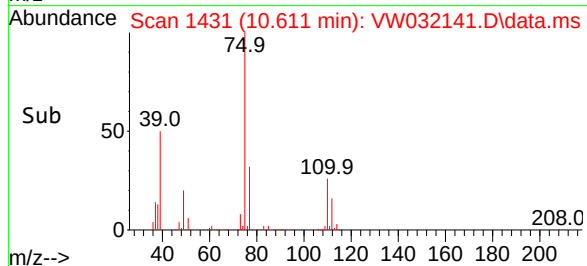
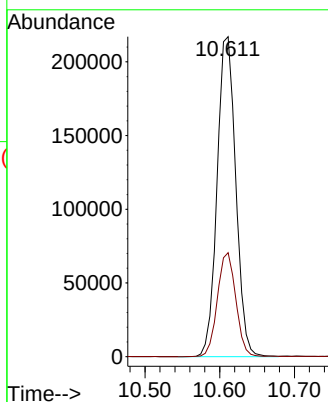
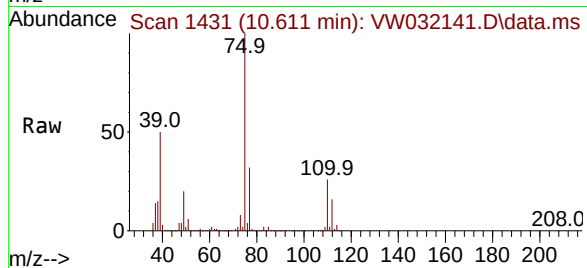
#53
t-1,3-Dichloropropene
Concen: 107.262 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 376829
Ion Ratio Lower Upper
75 100
77 32.5 25.6 38.4

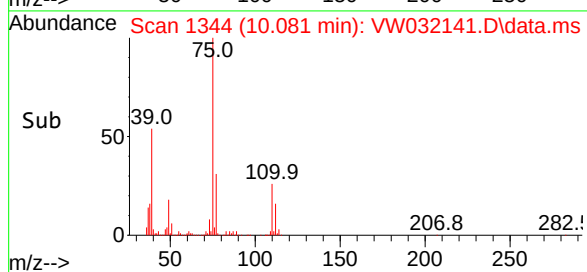
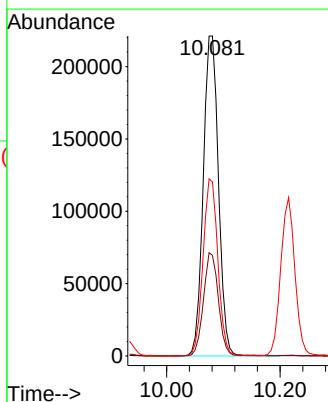
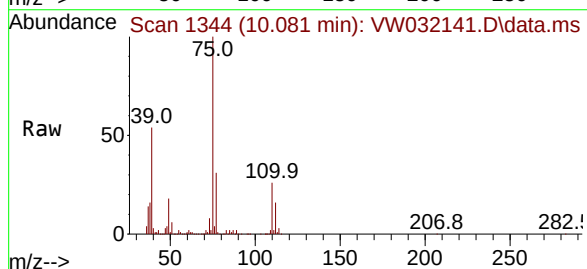
Manual Integrations
APPROVED

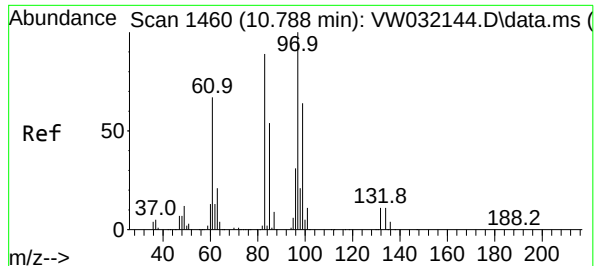
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#54
cis-1,3-Dichloropropene
Concen: 102.767 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 75 Resp: 411952
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 54.3 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 98.537 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 224549

Ion Ratio Lower Upper

97 100

83 81.2 71.0 106.6

85 52.7 42.8 64.2

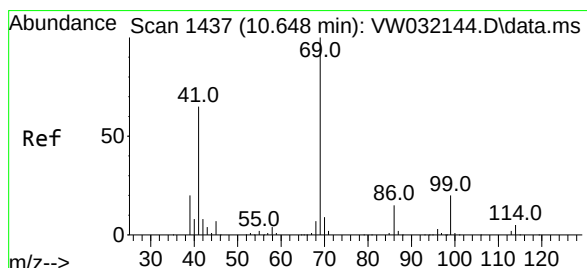
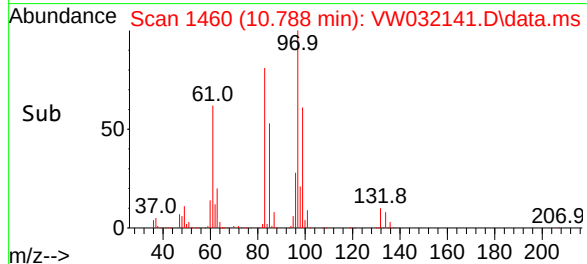
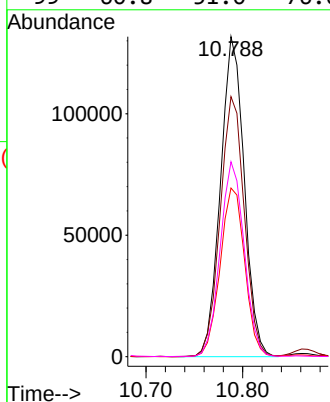
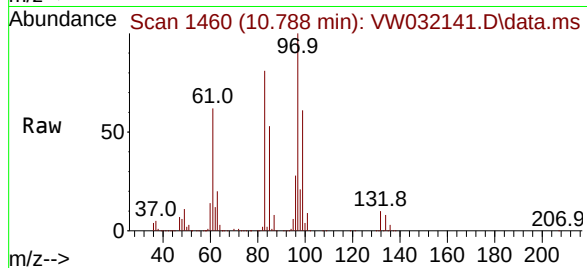
99 60.8 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 108.371 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

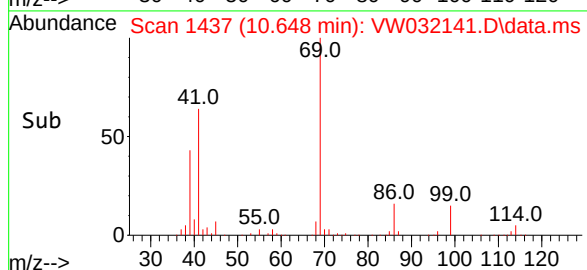
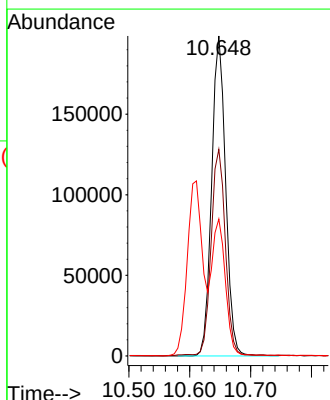
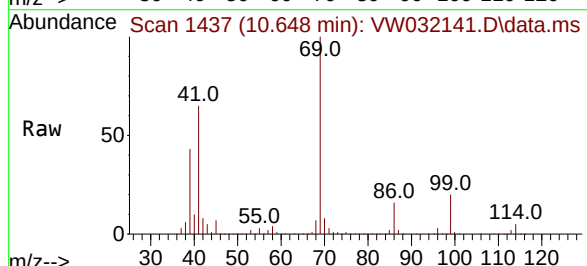
Tgt Ion: 69 Resp: 315727

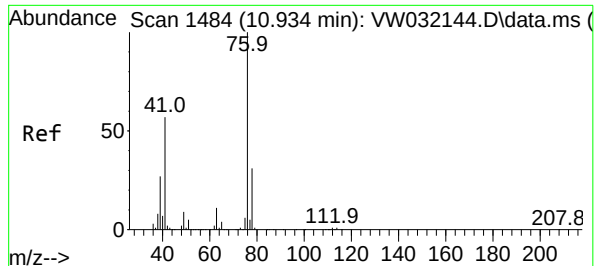
Ion Ratio Lower Upper

69 100

41 66.1 53.2 79.8

39 40.6 32.9 49.3





#57

1,3-Dichloropropane

Concen: 99.362 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 37913

Ion Ratio Lower Upper

76 100

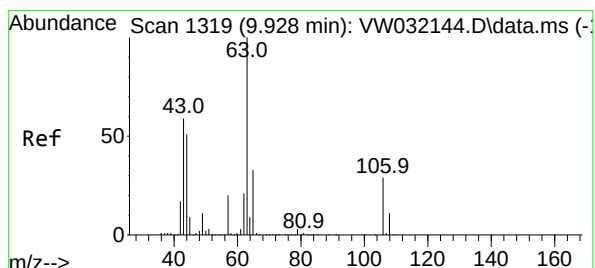
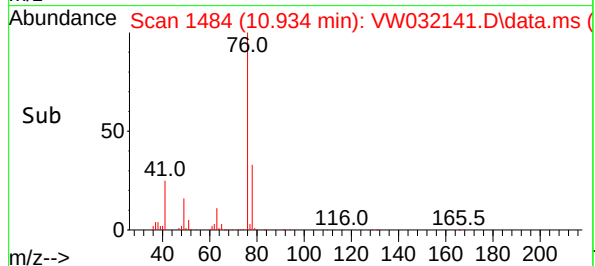
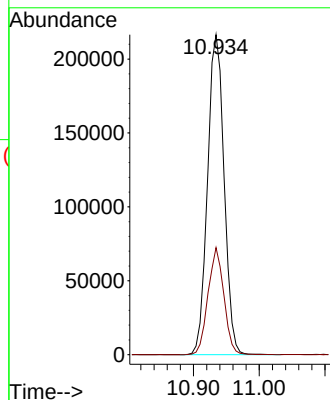
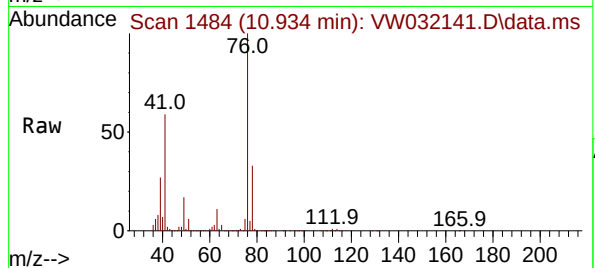
78 32.0 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#58

2-Chloroethyl Vinyl ether

Concen: 537.045 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032141.D

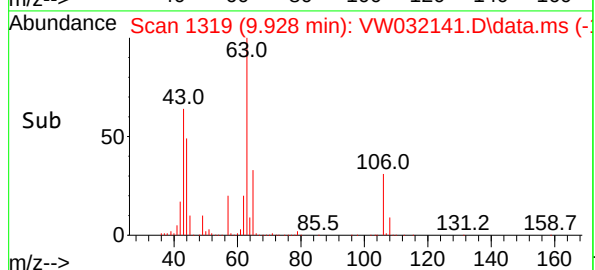
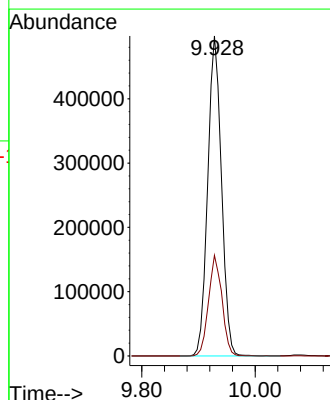
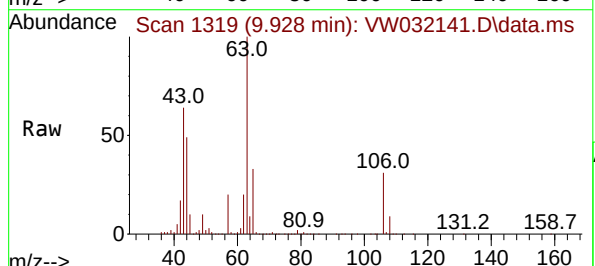
Acq: 26 Aug 2025 11:29

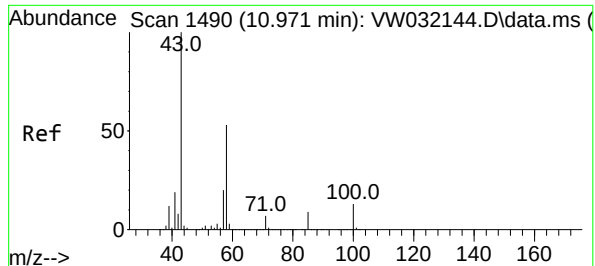
Tgt Ion: 63 Resp: 835126

Ion Ratio Lower Upper

63 100

106 30.8 24.3 36.5





#59

2-Hexanone

Concen: 542.911 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 804518

Ion Ratio Lower Upper

43 100

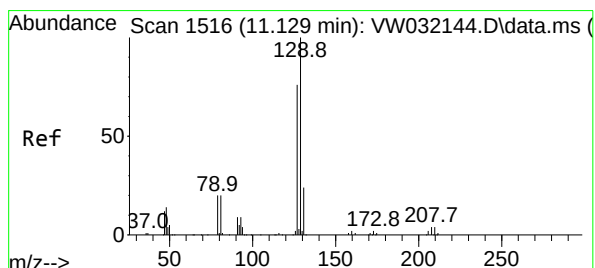
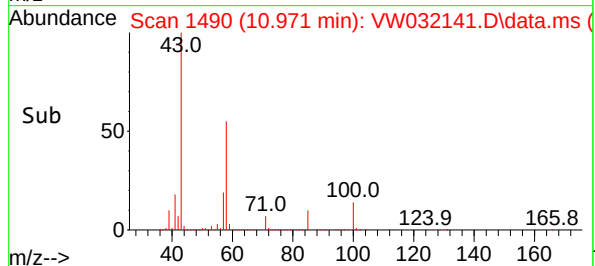
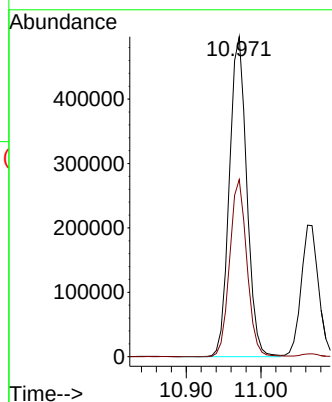
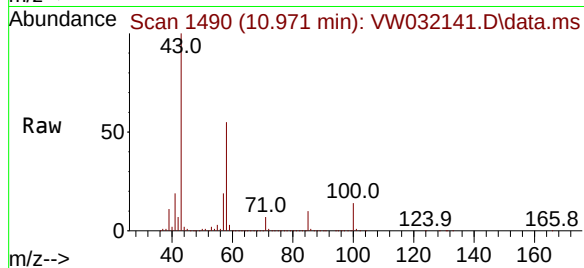
58 54.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 101.529 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032141.D

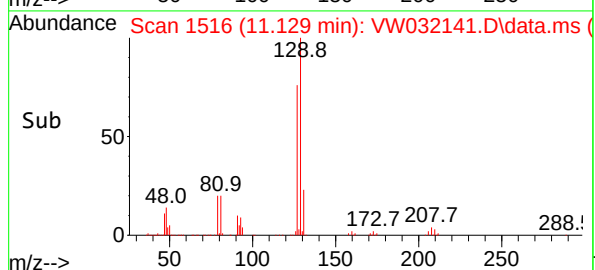
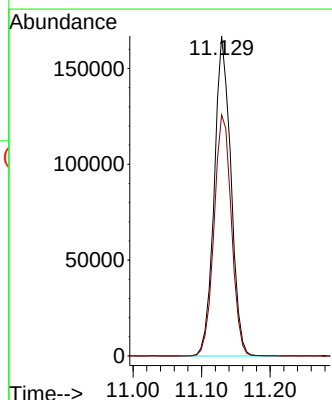
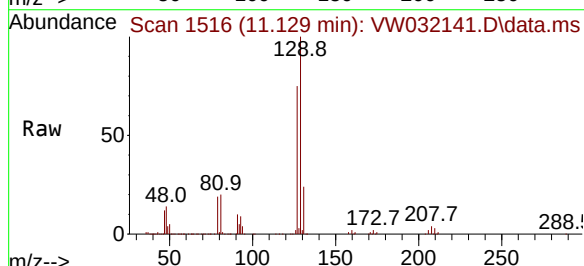
Acq: 26 Aug 2025 11:29

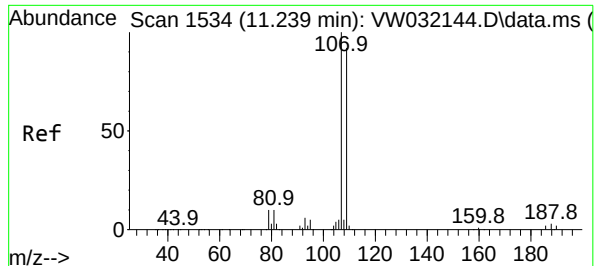
Tgt Ion:129 Resp: 279965

Ion Ratio Lower Upper

129 100

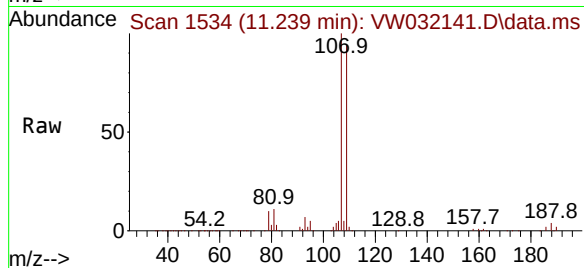
127 78.7 38.1 114.5





#61
1,2-Dibromoethane
Concen: 99.277 ug/l
RT: 11.239 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

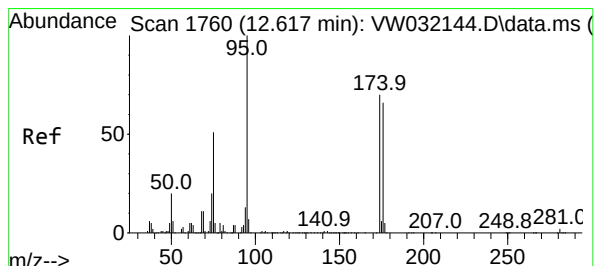
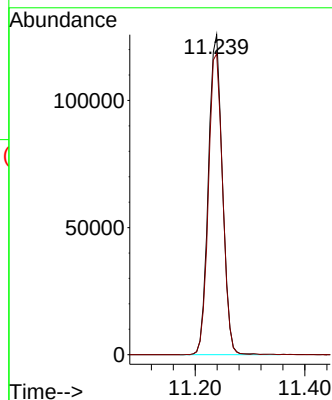
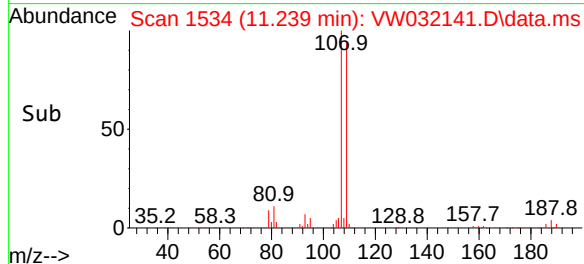
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 222479
Ion Ratio Lower Upper
107 100
109 95.2 74.5 111.7

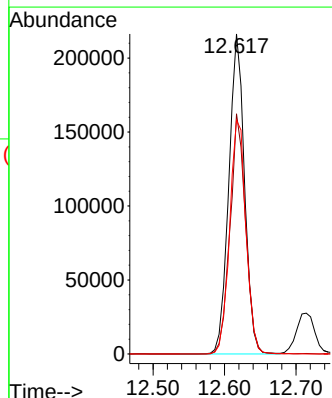
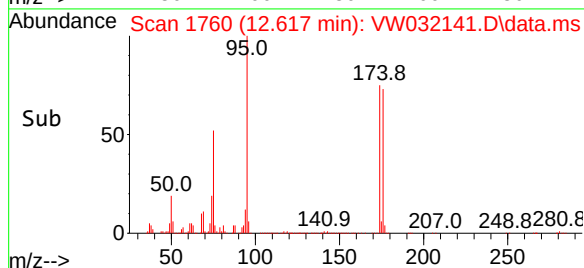
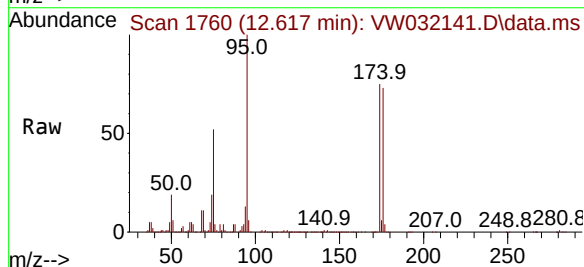
Manual Integrations
APPROVED

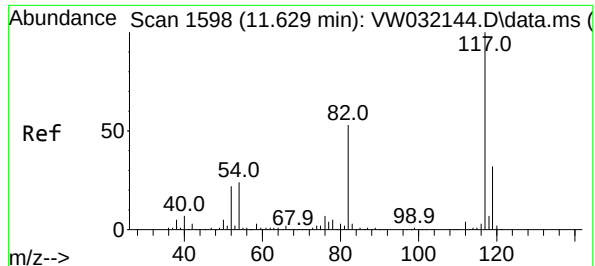
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#62
4-Bromofluorobenzene
Concen: 98.087 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 95 Resp: 329277
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.6
176 76.0 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

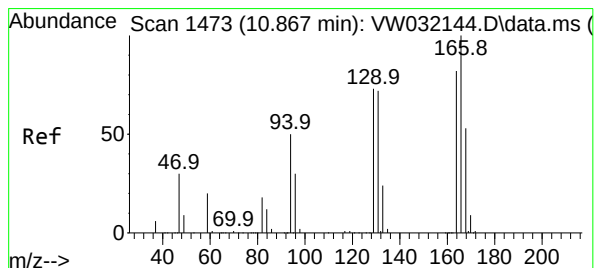
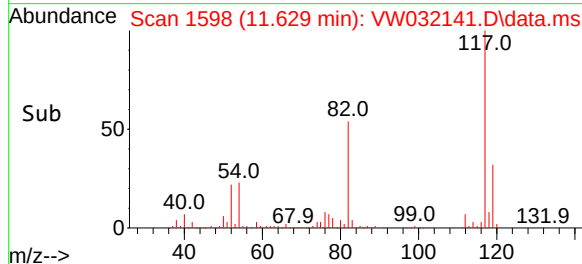
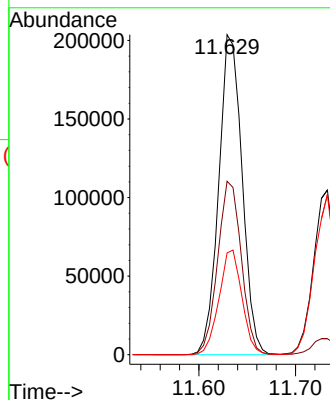
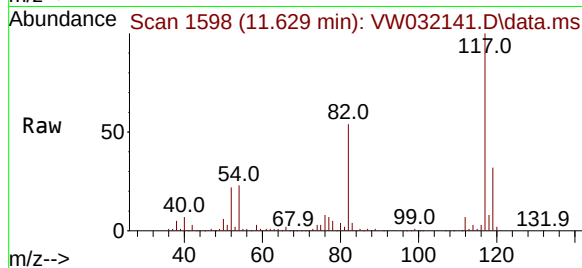
ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 341679
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 31.8 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#64

Tetrachloroethene

Concen: 97.772 ug/l

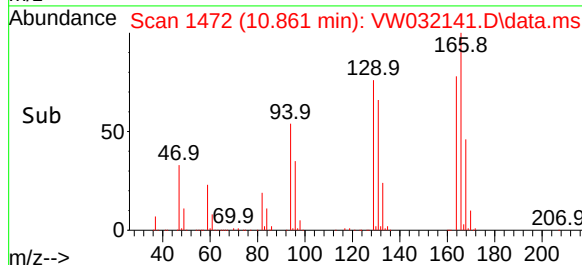
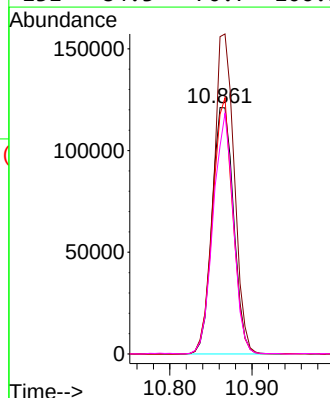
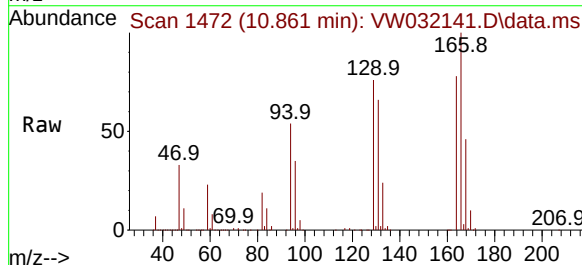
RT: 10.861 min Scan# 1472

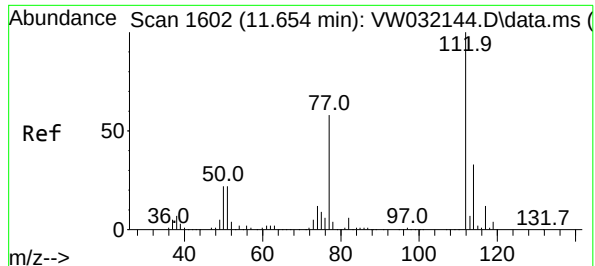
Delta R.T. -0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Tgt Ion:164 Resp: 219868
Ion Ratio Lower Upper
164 100
166 128.8 97.5 146.3
129 97.3 71.2 106.8
131 84.3 70.7 106.1





#65

Chlorobenzene

Concen: 97.233 ug/l

RT: 11.660 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 756180

Ion Ratio Lower Upper

112 100

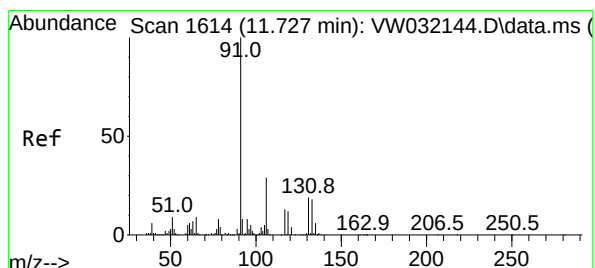
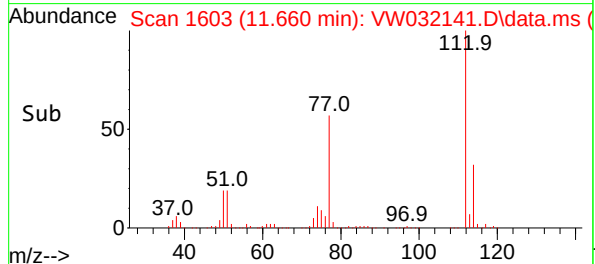
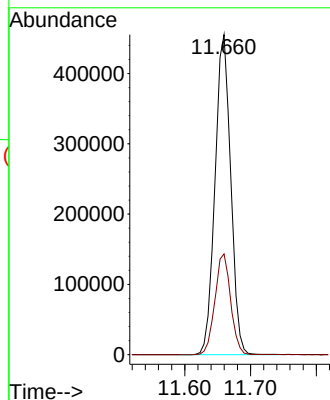
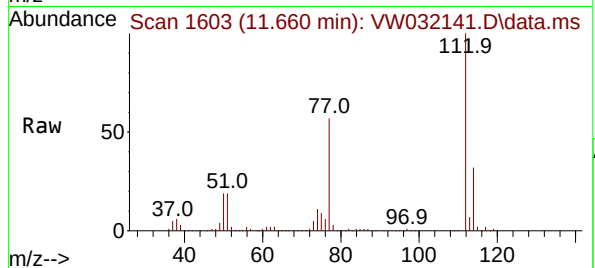
114 31.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 98.889 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

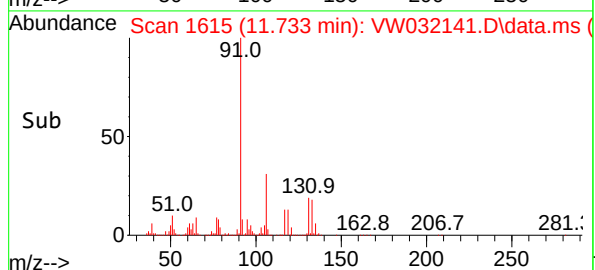
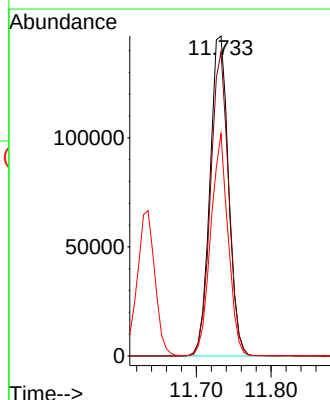
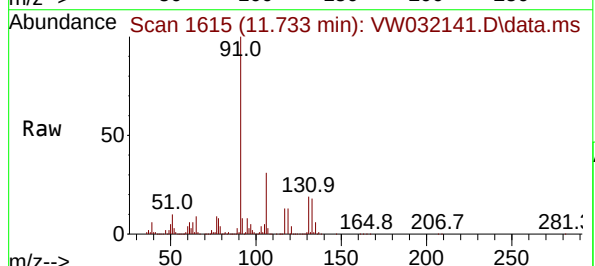
Tgt Ion:131 Resp: 253198

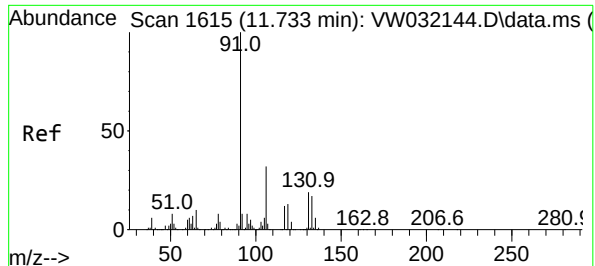
Ion Ratio Lower Upper

131 100

133 92.6 47.7 143.1

119 64.8 32.8 98.3





#67

Ethyl Benzene

Concen: 100.837 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 128487

Ion Ratio Lower Upper

91 100

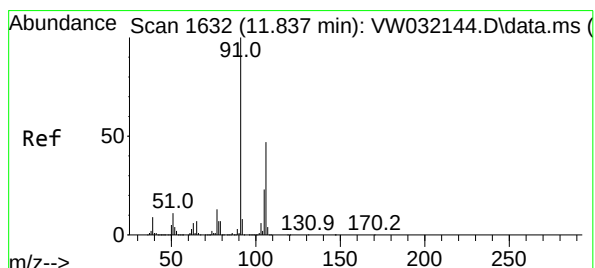
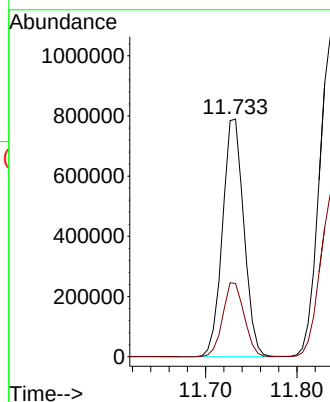
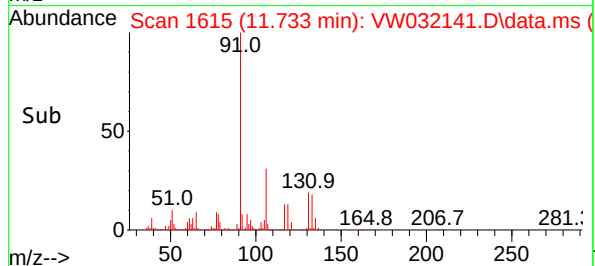
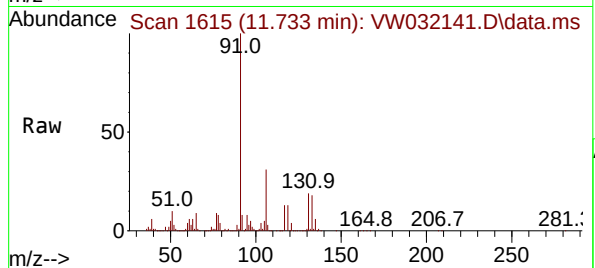
106 30.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 203.463 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032141.D

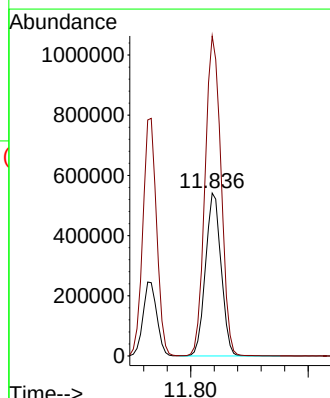
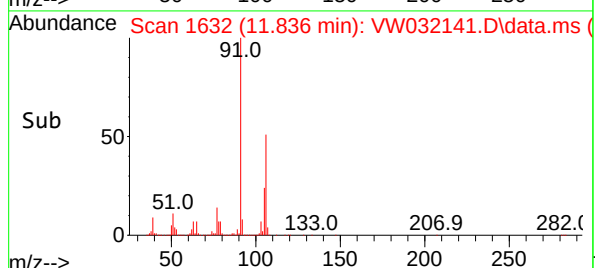
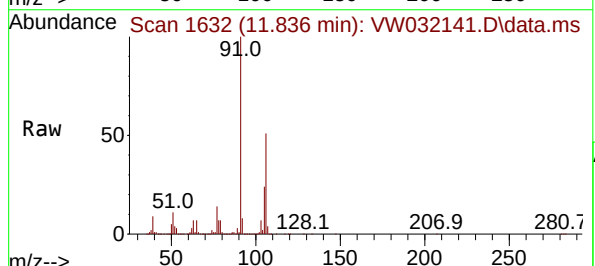
Acq: 26 Aug 2025 11:29

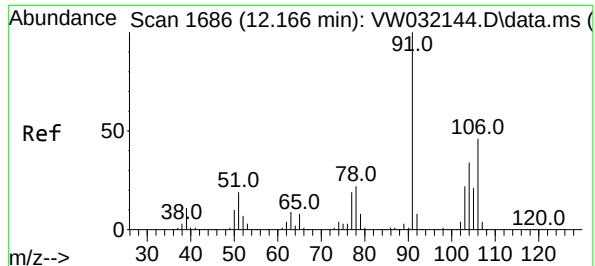
Tgt Ion:106 Resp: 997778

Ion Ratio Lower Upper

106 100

91 201.7 164.2 246.2





#69

o-Xylene

Concen: 101.336 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 470060

Ion Ratio Lower Upper

106 100

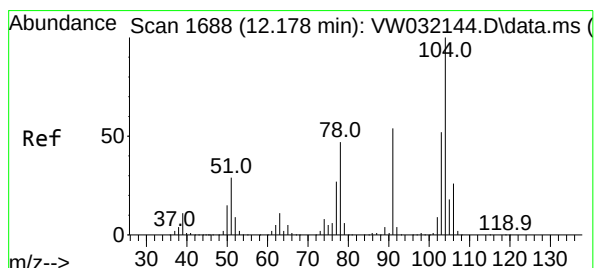
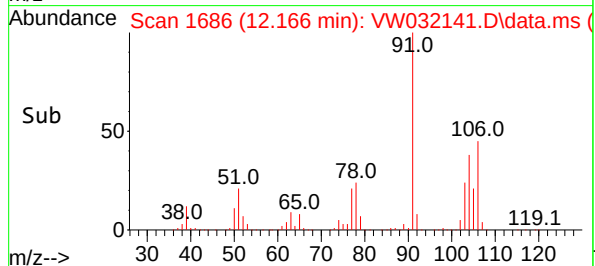
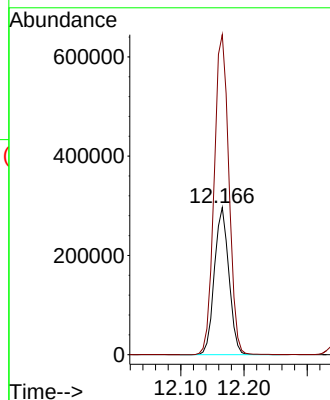
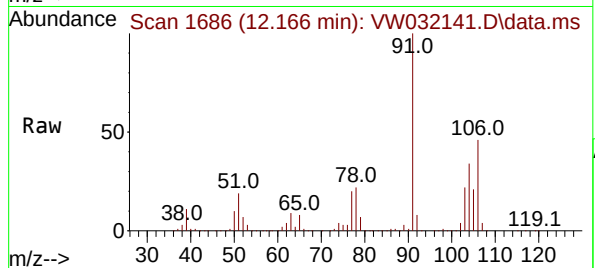
91 221.8 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 102.182 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

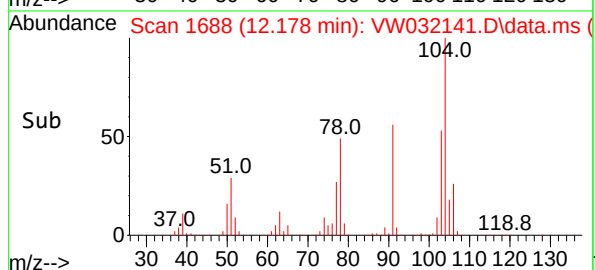
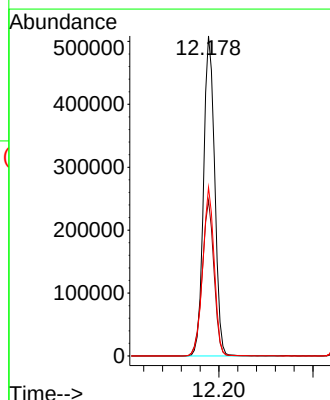
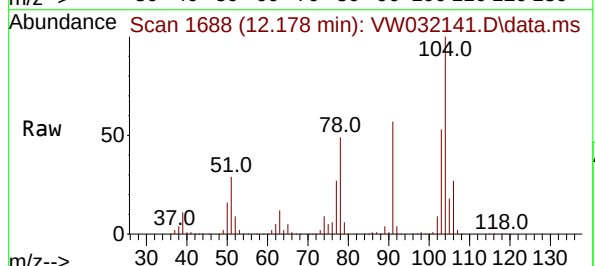
Tgt Ion:104 Resp: 835536

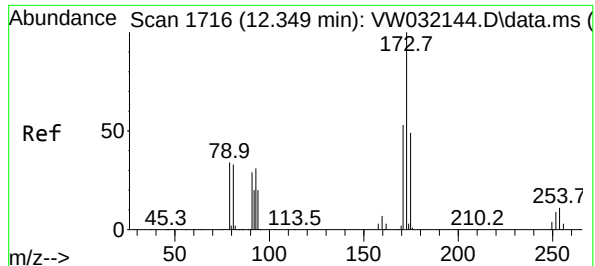
Ion Ratio Lower Upper

104 100

78 51.1 41.6 62.4

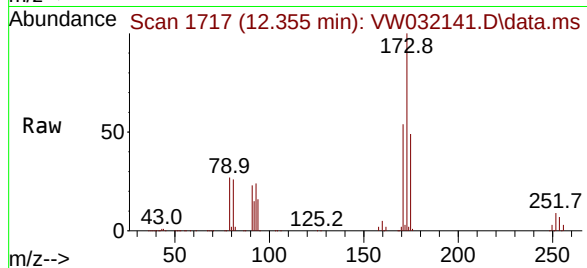
103 54.4 44.8 67.2





#71
Bromoform
Concen: 103.138 ug/l
RT: 12.355 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

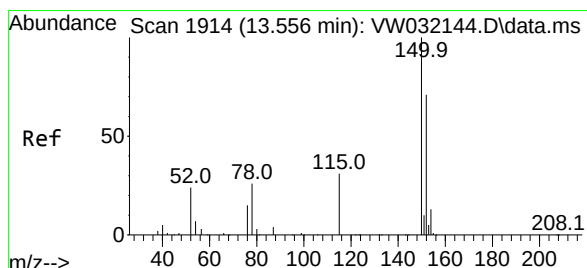
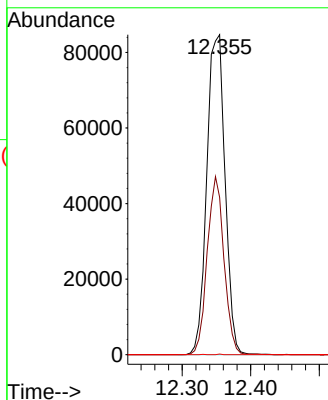
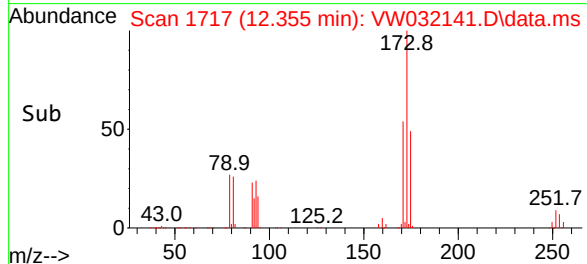
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



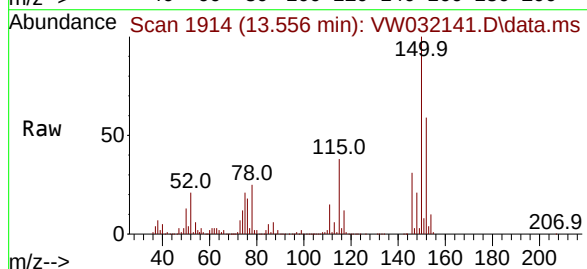
Tgt Ion:173 Resp: 15684
Ion Ratio Lower Upper
173 100
175 51.2 24.9 74.7
254 0.0 0.2 0.2

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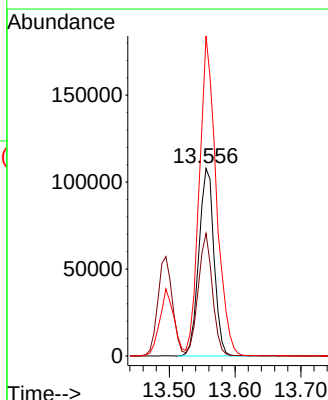
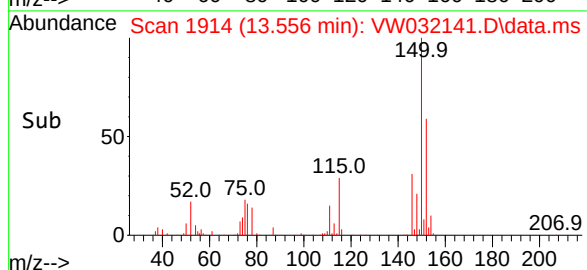
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

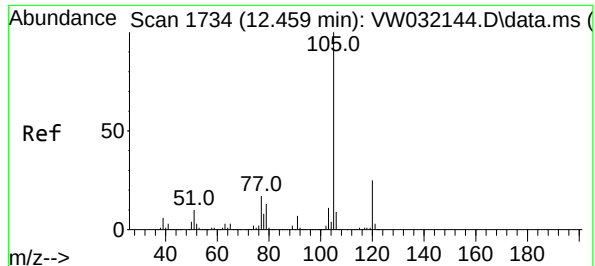


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29



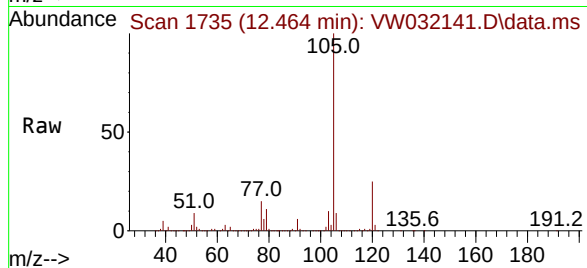
Tgt Ion:152 Resp: 172801
Ion Ratio Lower Upper
152 100
115 61.1 31.8 95.4
150 189.9 0.0 343.0





#73
Isopropylbenzene
Concen: 105.088 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

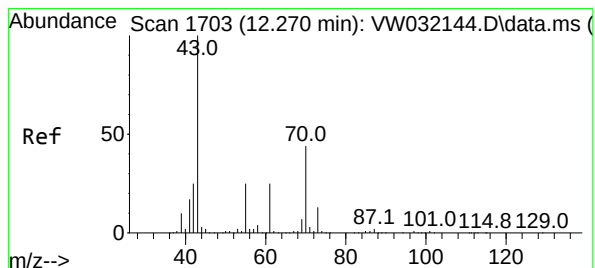
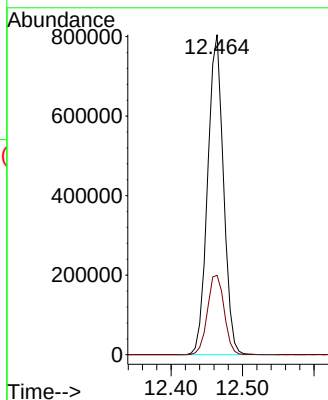
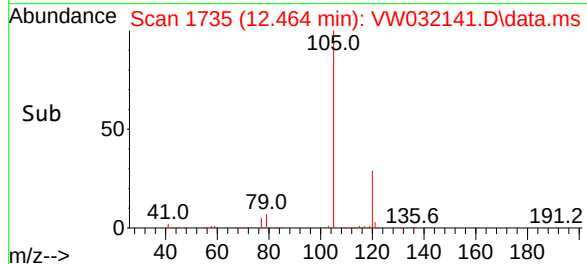
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 1233680
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9

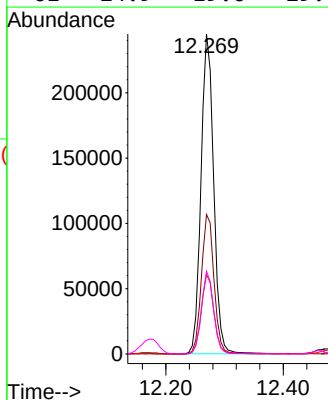
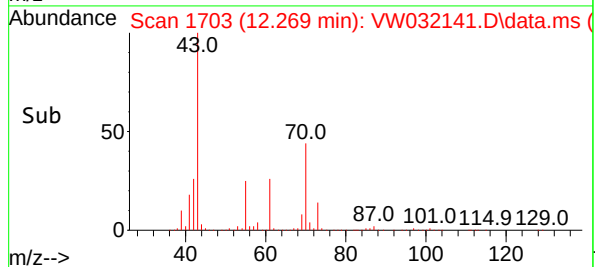
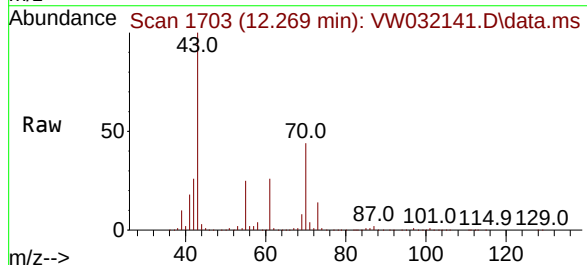
Manual Integrations
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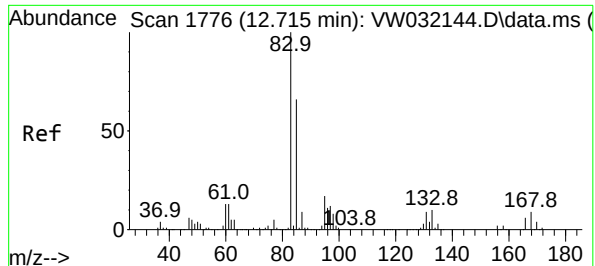
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#74
N-ethyl acetate
Concen: 107.554 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 43 Resp: 366581
Ion Ratio Lower Upper
43 100
70 43.7 35.3 52.9
55 25.0 19.9 29.9
61 24.9 19.6 29.4





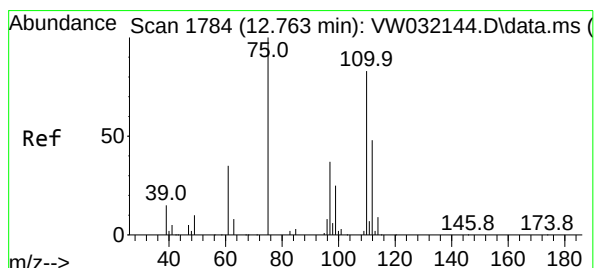
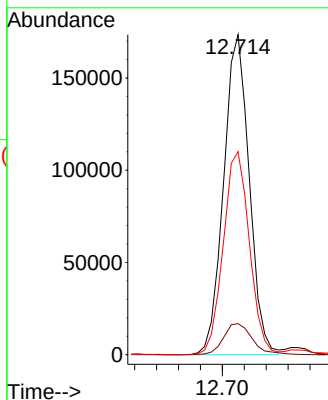
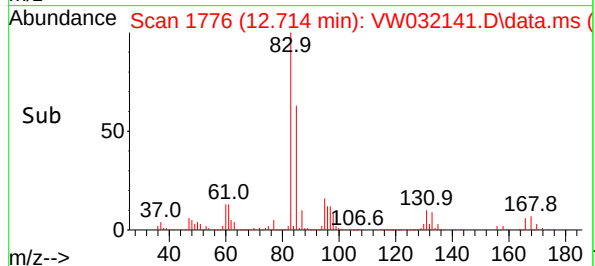
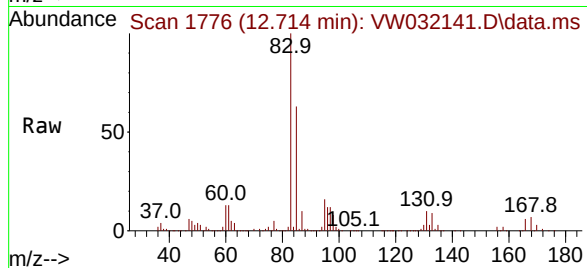
#75
1,1,2,2-Tetrachloroethane
Concen: 100.818 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 28127
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.4
85 64.8 32.2 96.6

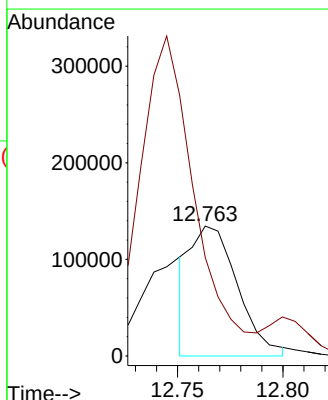
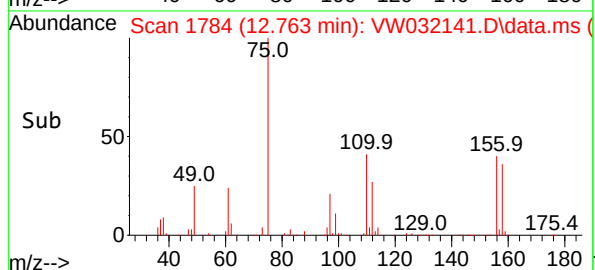
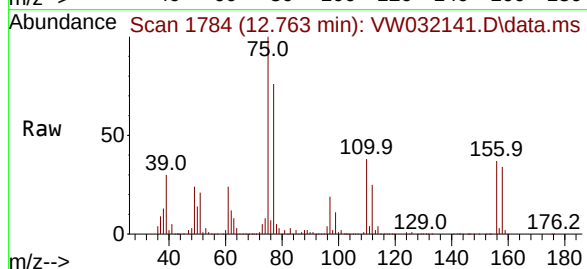
Manual Integrations
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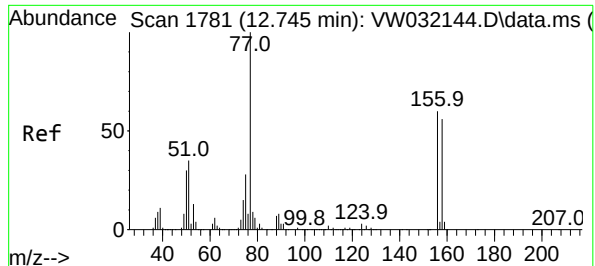
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#76
1,2,3-Trichloropropane
Concen: 93.254 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

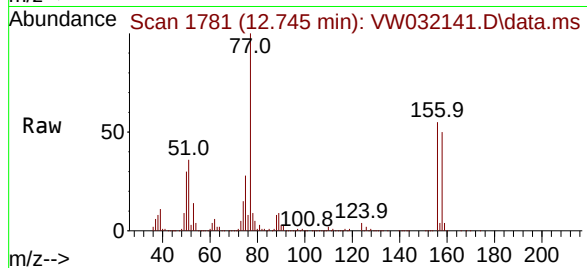
Tgt Ion: 75 Resp: 208647
Ion Ratio Lower Upper
75 100
77 290.0 141.7 425.1





#77
Bromobenzene
Concen: 95.259 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

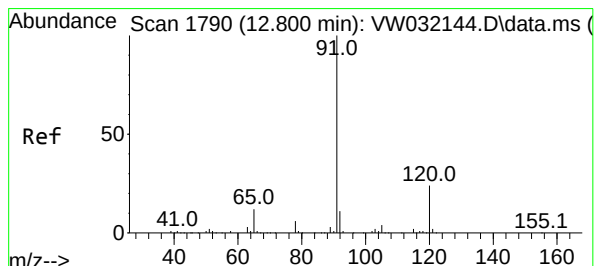
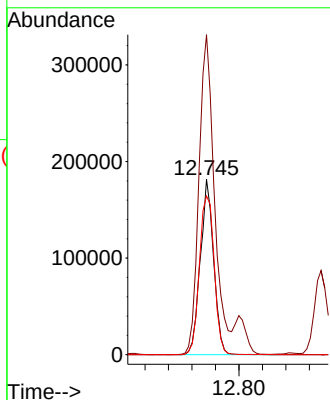
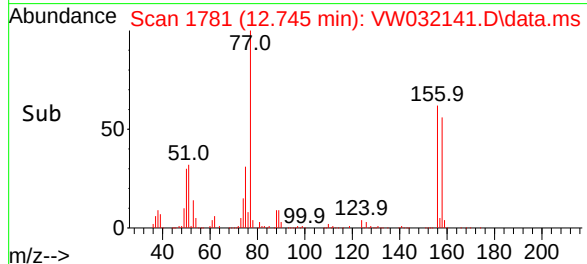
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 156 Resp: 28517
Ion Ratio Lower Upper
156 100
77 212.2 98.6 295.7
158 101.2 48.4 145.0

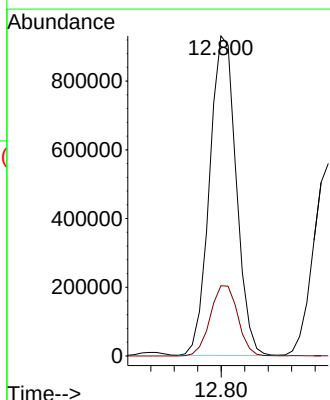
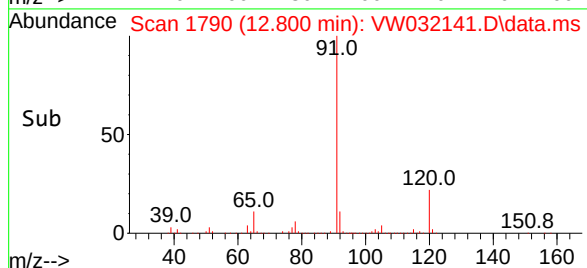
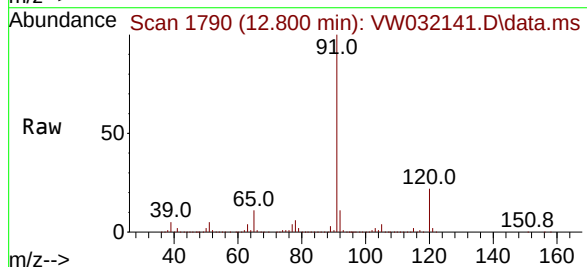
Manual Integrations
APPROVED

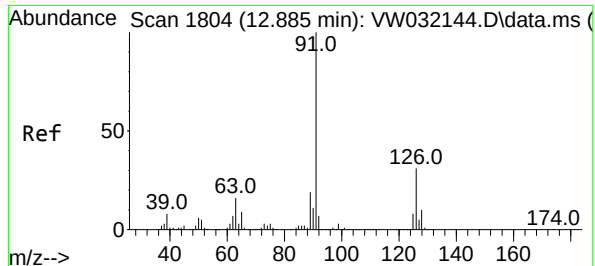
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#78
n-propylbenzene
Concen: 102.772 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 91 Resp: 1464769
Ion Ratio Lower Upper
91 100
120 22.8 11.8 35.4





#79

2-Chlorotoluene

Concen: 101.206 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 882070

Ion Ratio Lower Upper

91 100

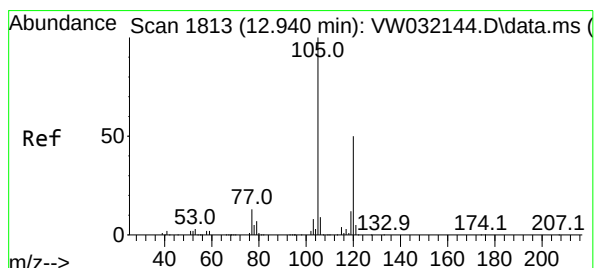
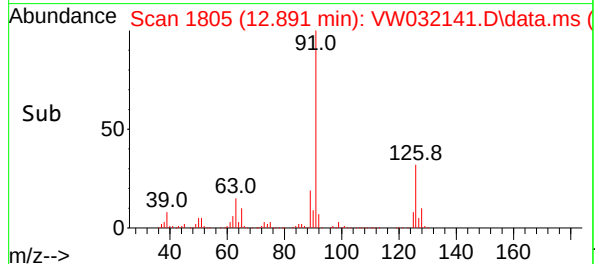
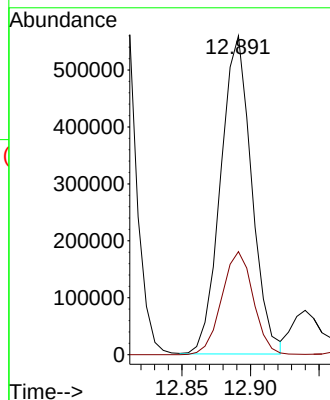
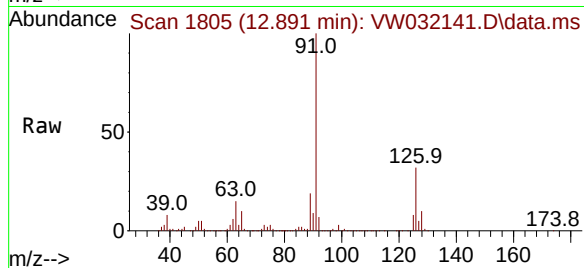
126 32.8 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 103.191 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032141.D

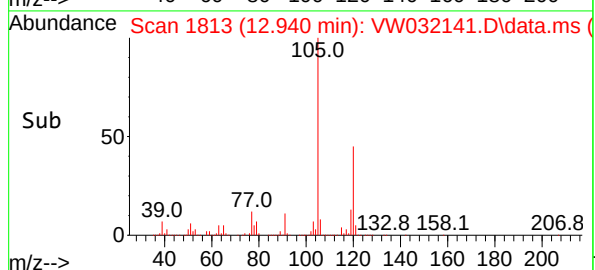
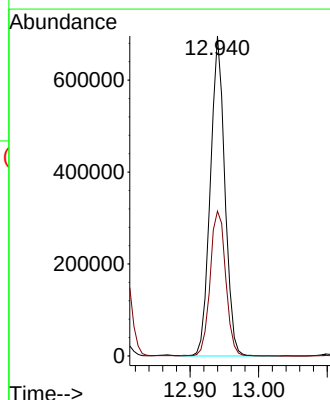
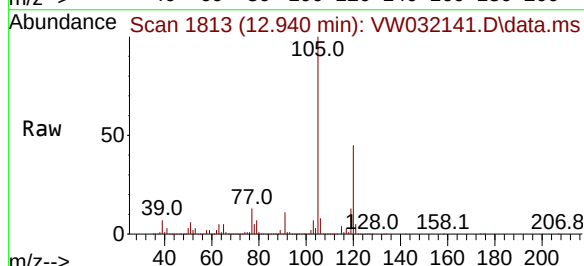
Acq: 26 Aug 2025 11:29

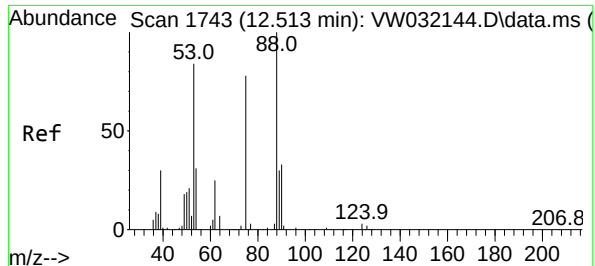
Tgt Ion:105 Resp: 1025656

Ion Ratio Lower Upper

105 100

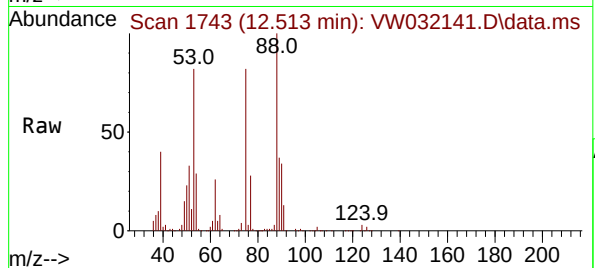
120 48.5 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 115.615 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

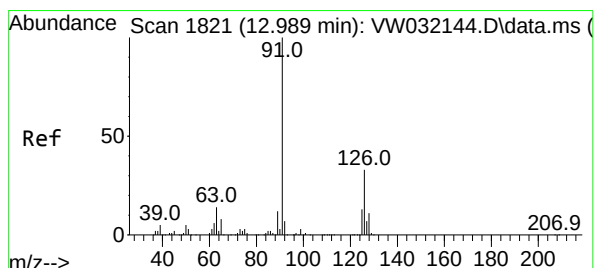
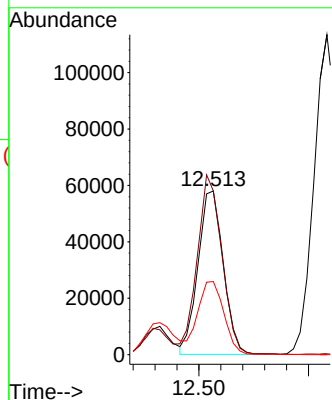
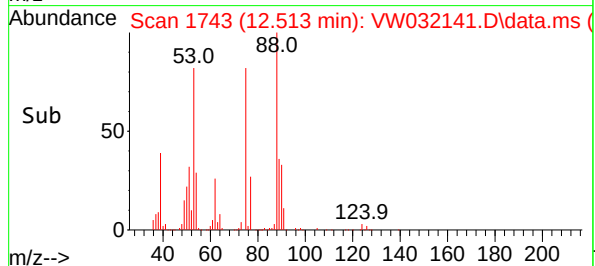
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 92958
Ion Ratio Lower Upper
75 100
53 107.9 91.0 136.6
89 45.8 39.4 59.2

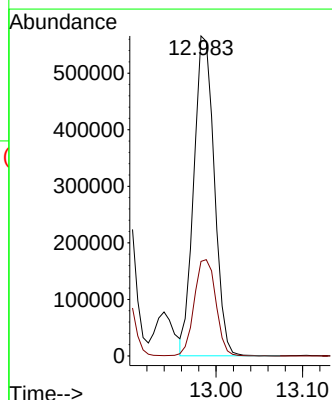
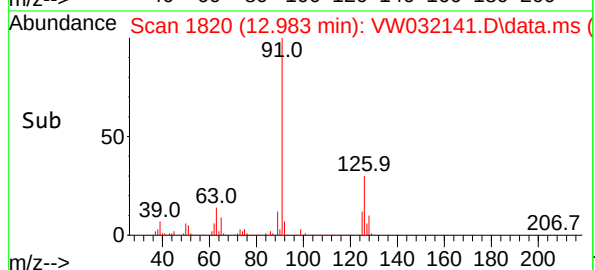
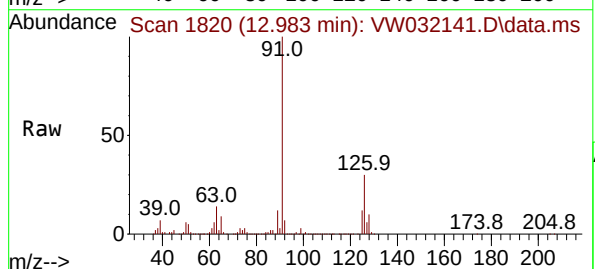
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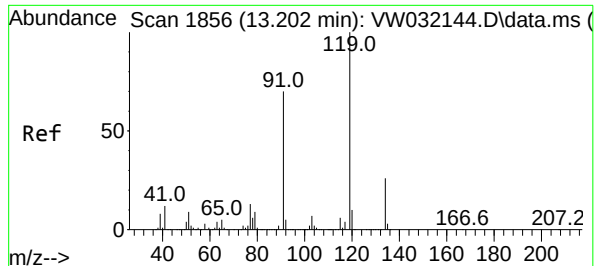
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 99.374 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

Tgt Ion: 91 Resp: 927084
Ion Ratio Lower Upper
91 100
126 31.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 101.713 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 857188

Ion Ratio Lower Upper

119 100

91 71.5 33.8 101.3

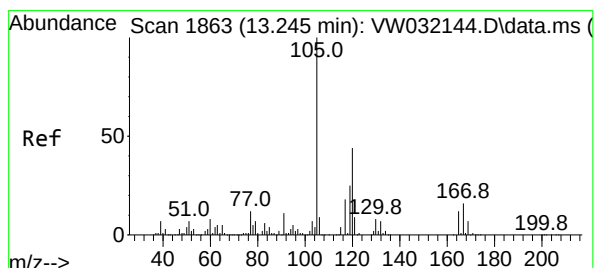
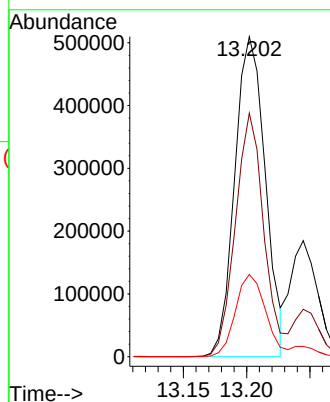
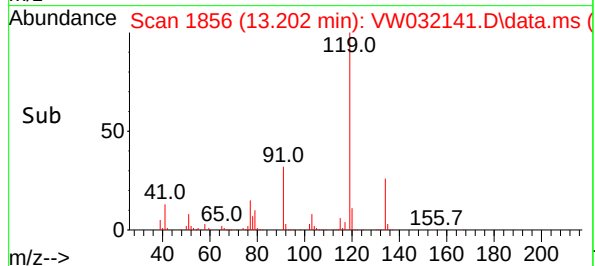
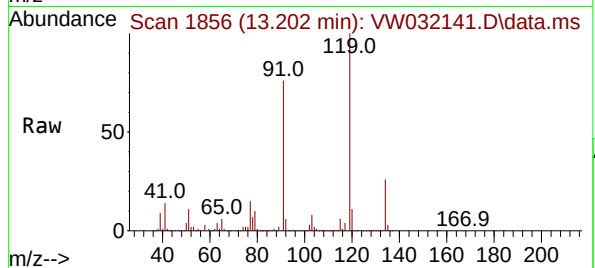
134 25.5 12.5 37.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

Concen: 101.643 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032141.D

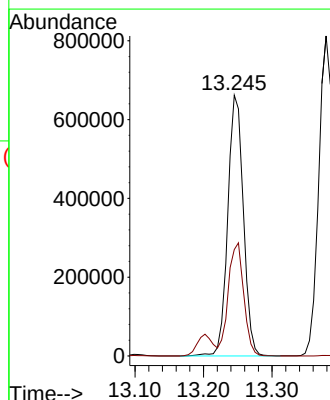
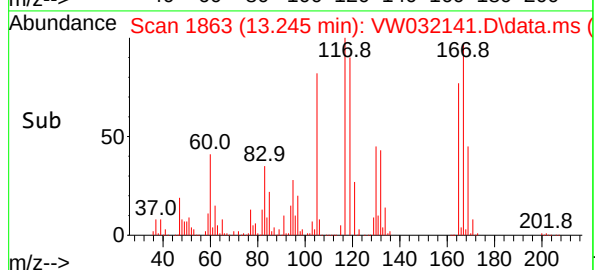
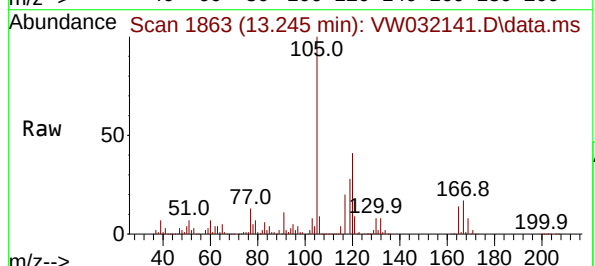
Acq: 26 Aug 2025 11:29

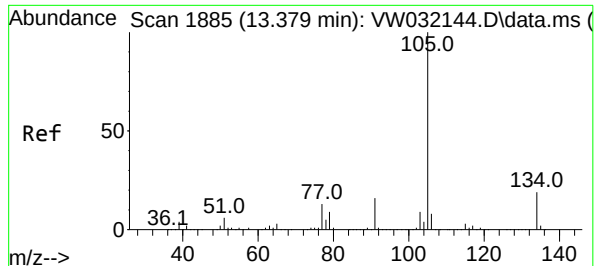
Tgt Ion:105 Resp: 1045208

Ion Ratio Lower Upper

105 100

120 43.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 100.172 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 1260420

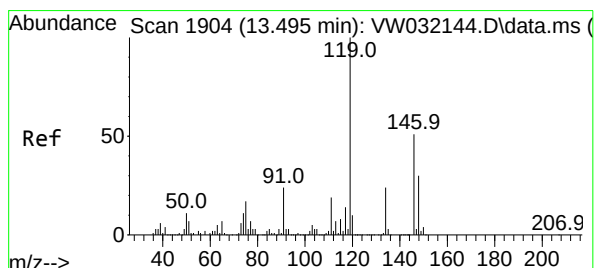
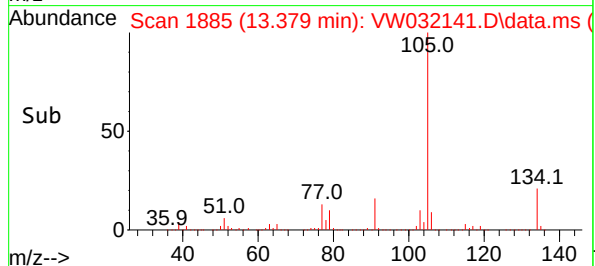
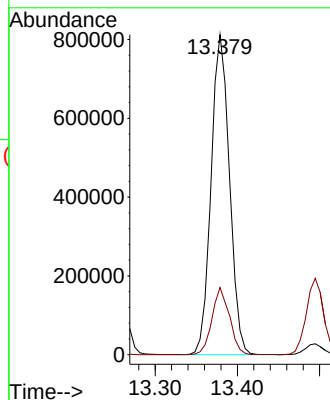
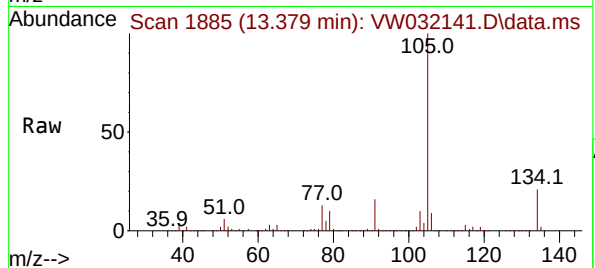
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#86

p-Isopropyltoluene

Concen: 100.646 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

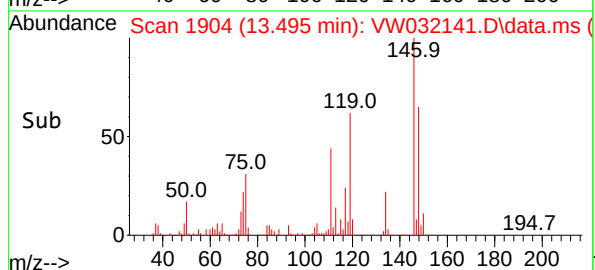
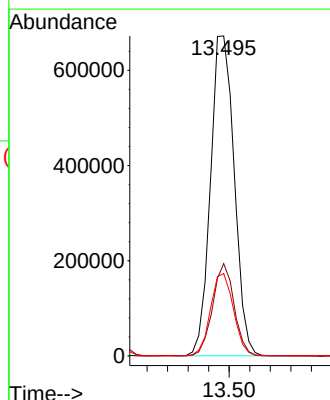
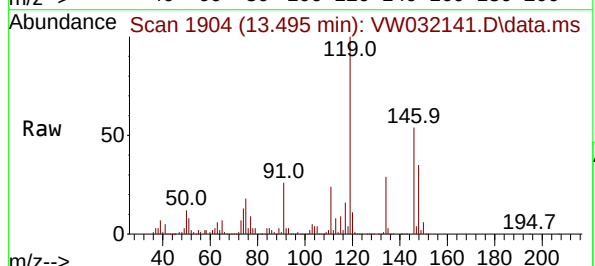
Tgt Ion:119 Resp: 1076959

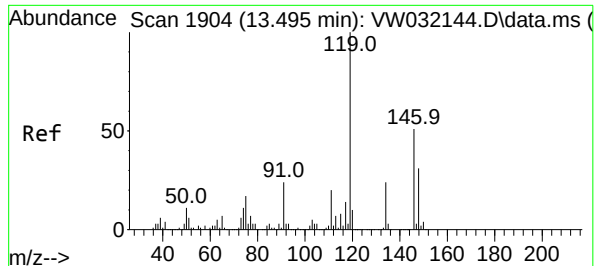
Ion Ratio Lower Upper

119 100

134 26.2 12.6 37.6

91 24.9 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 98.017 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

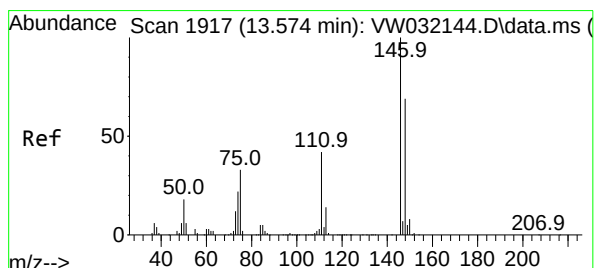
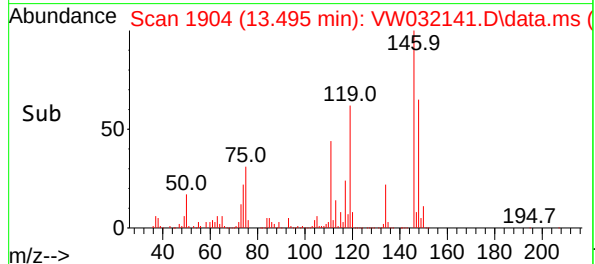
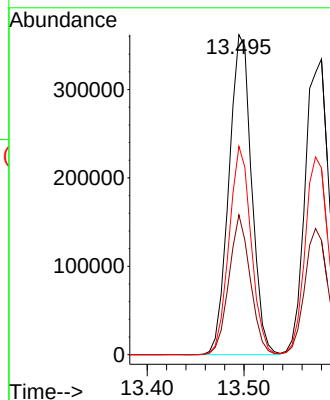
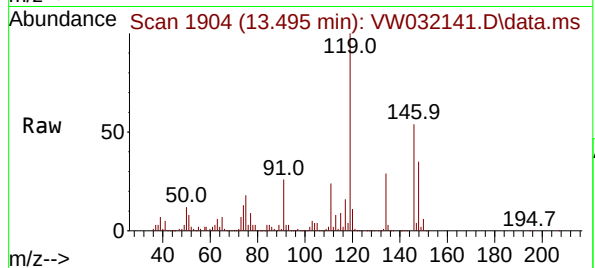
ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 590810
Ion Ratio Lower Upper
146 100
111 41.1 20.6 61.9
148 63.4 30.6 92.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 94.738 ug/l

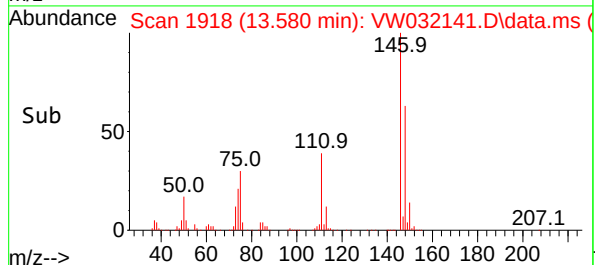
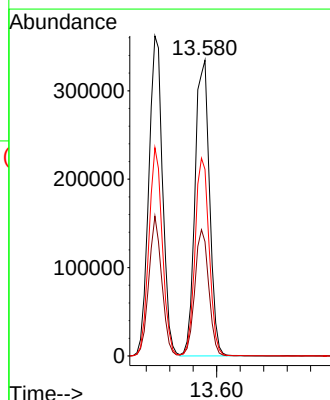
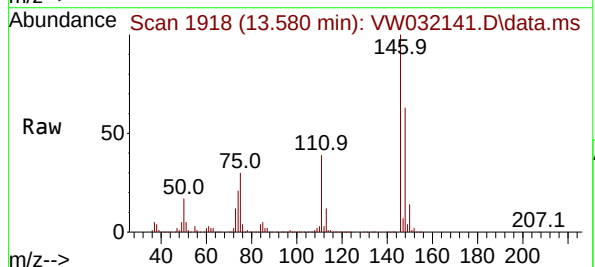
RT: 13.580 min Scan# 1918

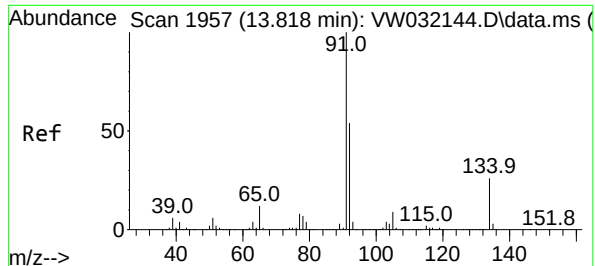
Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Tgt Ion:146 Resp: 572395
Ion Ratio Lower Upper
146 100
111 40.8 21.3 63.7
148 64.8 33.4 100.1





#89

n-Butylbenzene

Concen: 103.710 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1058018

Ion Ratio Lower Upper

91 100

92 53.5 27.0 81.0

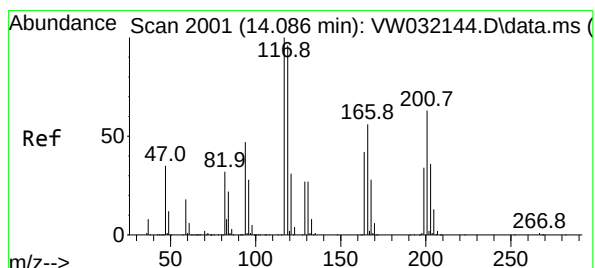
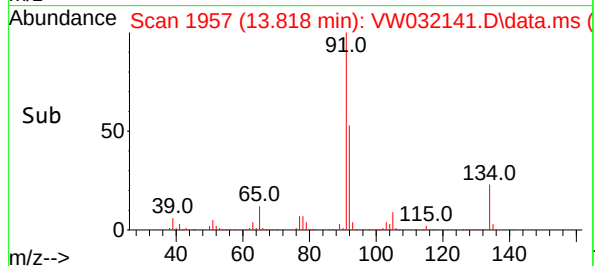
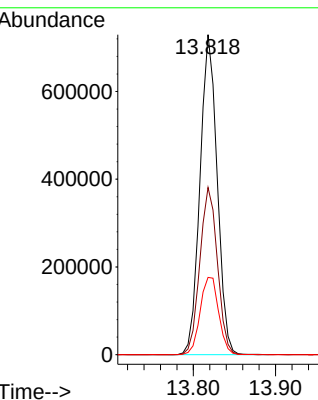
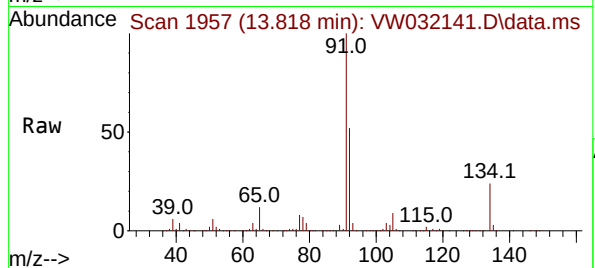
134 26.0 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 99.884 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW032141.D

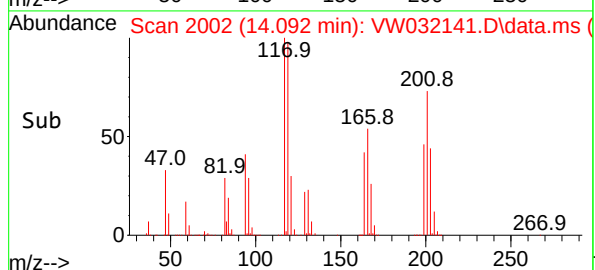
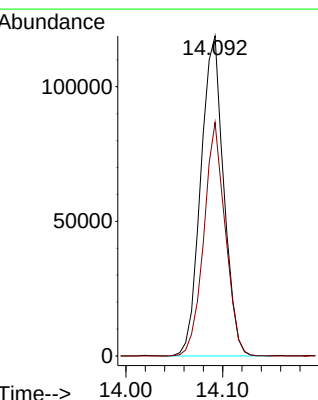
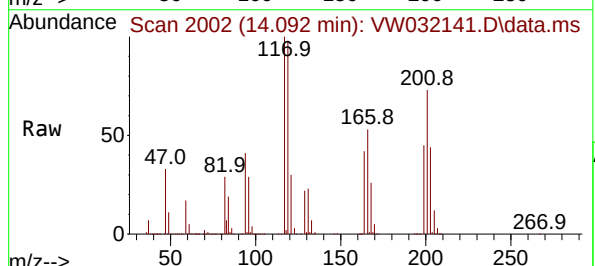
Acq: 26 Aug 2025 11:29

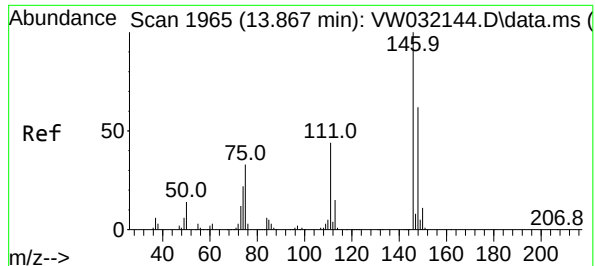
Tgt Ion:117 Resp: 195499

Ion Ratio Lower Upper

117 100

201 68.1 32.8 98.4





#91

1,2-Dichlorobenzene

Concen: 99.481 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 530904

Ion Ratio Lower Upper

146 100

111 43.0 23.4 70.0

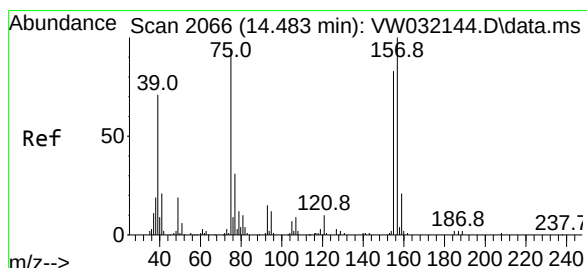
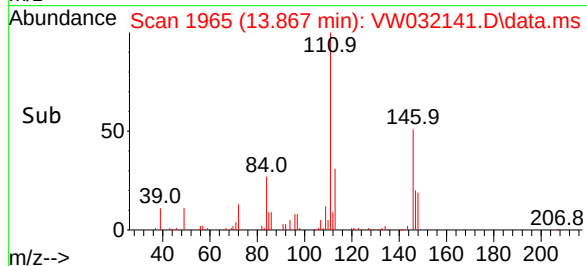
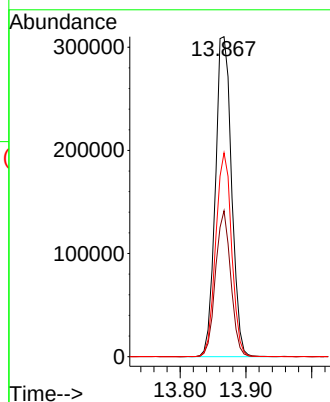
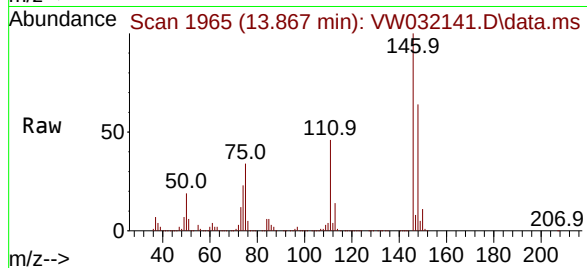
148 62.5 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 107.882 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

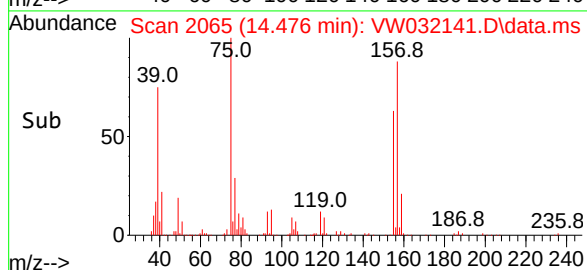
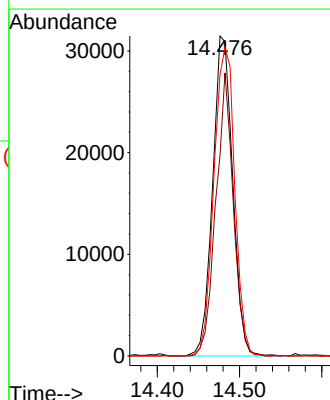
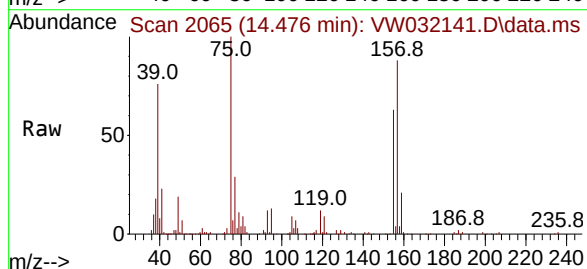
Tgt Ion: 75 Resp: 53172

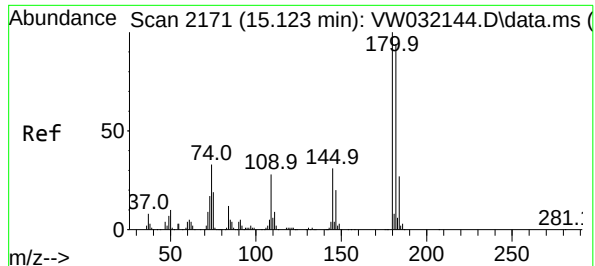
Ion Ratio Lower Upper

75 100

155 77.0 40.8 122.5

157 100.4 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 97.566 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 33266

Ion Ratio Lower Upper

180 100

182 99.7 47.4 142.2

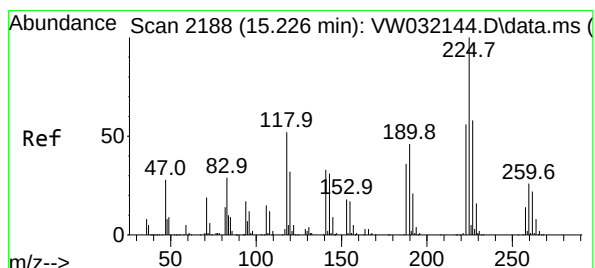
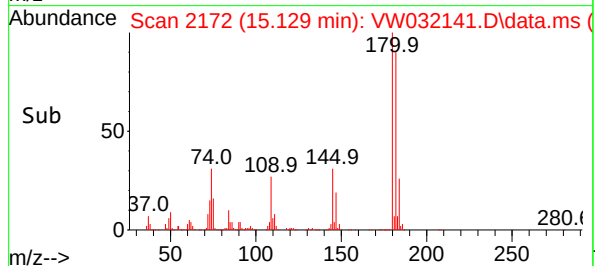
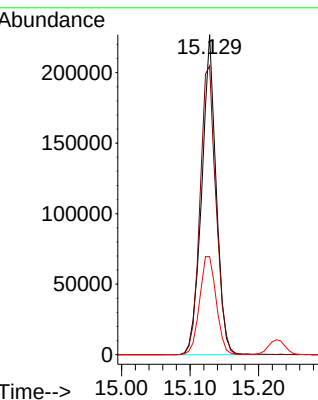
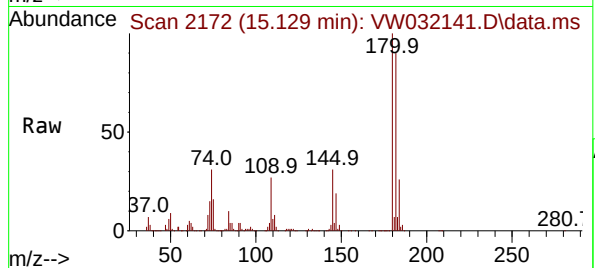
145 35.4 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 91.877 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW032141.D

Acq: 26 Aug 2025 11:29

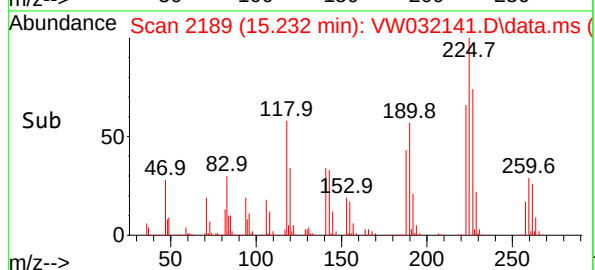
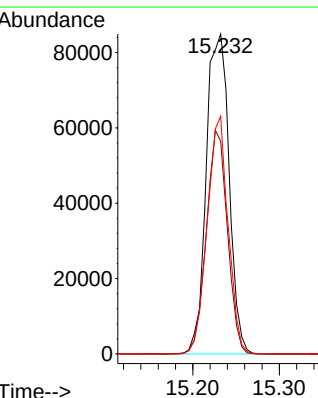
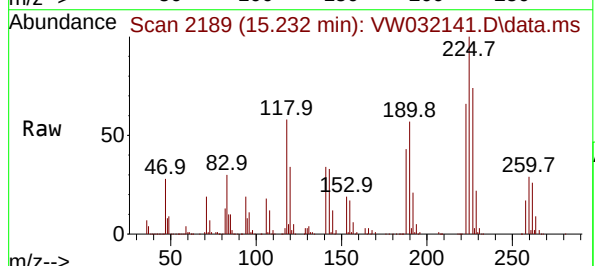
Tgt Ion:225 Resp: 155367

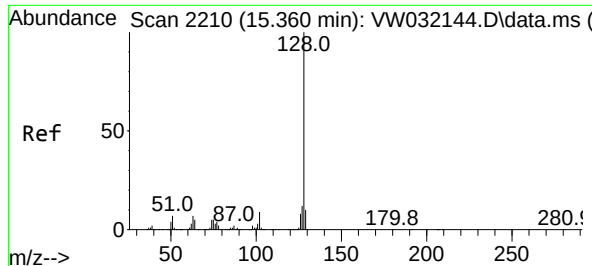
Ion Ratio Lower Upper

225 100

223 64.6 29.8 89.3

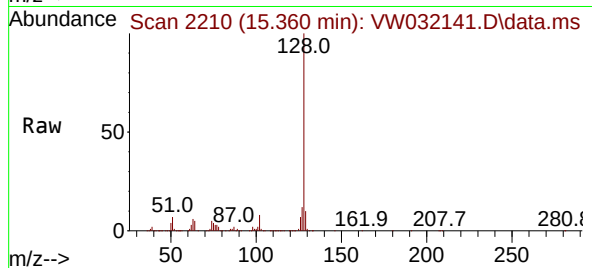
227 68.0 30.5 91.5





#95
Naphthalene
Concen: 112.125 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29

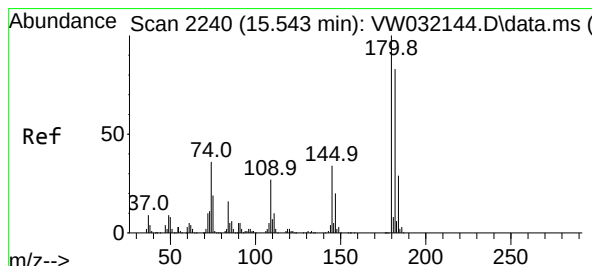
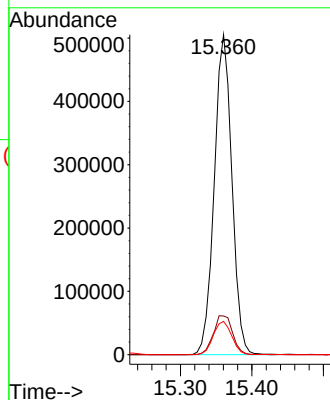
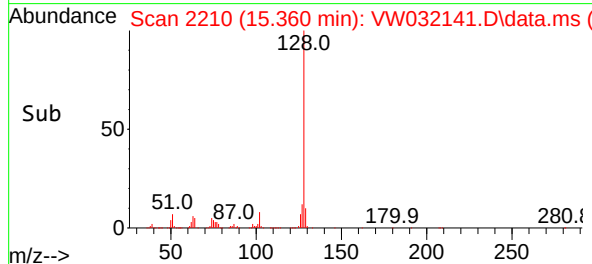
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



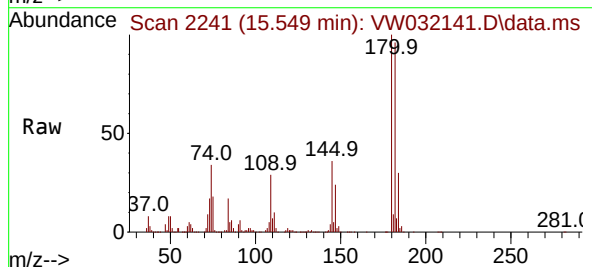
Tgt Ion:128 Resp: 86522
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.4 12.6

Manual Integrations
APPROVED

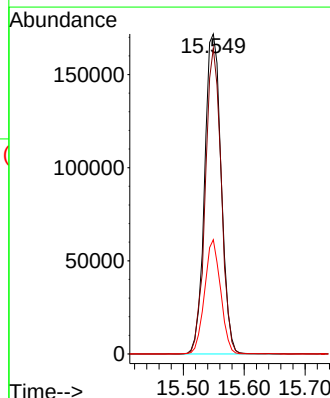
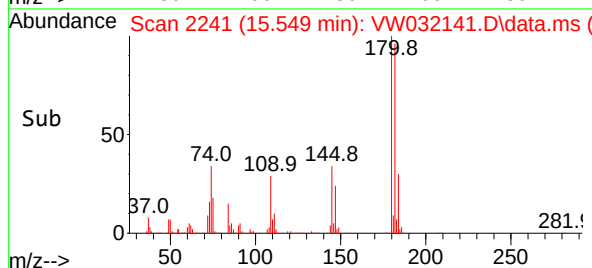
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 102.222 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032141.D
Acq: 26 Aug 2025 11:29



Tgt Ion:180 Resp: 324145
Ion Ratio Lower Upper
180 100
182 91.9 47.7 143.1
145 34.6 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032142.D
 Acq On : 26 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 27 03:51:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/27/2025
 Supervised By : Semsettin Yesilyurt 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	212660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	363183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	337595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	454909	149.576	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 299.160%#			
35) Dibromofluoromethane	7.898	113	377239	148.049	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 296.100%#			
50) Toluene-d8	10.331	98	1365264	152.629	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 305.260%#			
62) 4-Bromofluorobenzene	12.617	95	509512	154.039	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 308.080%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	192587	137.167	ug/l	97
3) Chloromethane	2.259	50	210524	143.009	ug/l	100
4) Vinyl Chloride	2.405	62	256644	134.226	ug/l	95
5) Bromomethane	2.814	94	244946	143.458	ug/l	97
6) Chloroethane	2.966	64	193730	143.874	ug/l	98
7) Trichlorofluoromethane	3.301	101	291416	153.823	ug/l	91
8) Diethyl Ether	3.722	74	195629	138.373	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	289634	135.714	ug/l	98
10) Methyl Iodide	4.313	142	446397	137.369	ug/l	100
11) Tert butyl alcohol	5.222	59	141240	759.234	ug/l	97
12) 1,1-Dichloroethene	4.076	96	314257	139.822	ug/l	99
13) Acrolein	3.929	56	211447	739.433	ug/l	98
14) Allyl chloride	4.704	41	459410	143.902	ug/l	99
15) Acrylonitrile	5.405	53	512853	746.122	ug/l	98
16) Acetone	4.161	43	440565	668.879	ug/l	97
17) Carbon Disulfide	4.423	76	801995	142.669	ug/l	100
18) Methyl Acetate	4.710	43	319825	152.398	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	611768	144.143	ug/l	99
20) Methylene Chloride	4.960	84	353777	150.295	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	356921	142.157	ug/l	92
22) Diisopropyl ether	6.344	45	1024195	147.400	ug/l	98
23) Vinyl Acetate	6.283	43	3680242	779.030	ug/l	99
24) 1,1-Dichloroethane	6.240	63	641157	140.949	ug/l	99
25) 2-Butanone	7.191	43	712281	763.150	ug/l	97
26) 2,2-Dichloropropane	7.185	77	351365	145.860	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	439540	143.865	ug/l	99
28) Bromochloromethane	7.532	49	310783	149.248	ug/l	100
29) Tetrahydrofuran	7.551	42	456986	770.497	ug/l	99
30) Chloroform	7.697	83	736537	141.817	ug/l	99
31) Cyclohexane	7.971	56	497279	133.190	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	535215	141.170	ug/l	99
36) 1,1-Dichloropropene	8.093	75	472017	142.873	ug/l	98
37) Ethyl Acetate	7.276	43	302607	152.685	ug/l	100
38) Carbon Tetrachloride	8.087	117	509127	143.753	ug/l	98
39) Methylcyclohexane	9.343	83	585727	149.682	ug/l	99
40) Benzene	8.337	78	1453606	142.338	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032142.D
 Acq On : 26 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:51:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 03:44:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	169026	153.505	ug/l	95
42) 1,2-Dichloroethane	8.410	62	508053	143.507	ug/l	100
43) Isopropyl Acetate	8.435	43	583075	156.822	ug/l	98
44) Trichloroethene	9.099	130	373687	145.505	ug/l	91
45) 1,2-Dichloropropane	9.374	63	351218	142.666	ug/l	100
46) Dibromomethane	9.465	93	243465	141.000	ug/l	99
47) Bromodichloromethane	9.654	83	581251	148.131	ug/l	93
48) Methyl methacrylate	9.441	41	278566	162.575	ug/l	98
49) 1,4-Dioxane	9.465	88	66706	3197.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	1599863	762.051	ug/l	99
52) Toluene	10.392	92	957220	143.435	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	555802	160.564	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	604600	153.074	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	324211	144.392	ug/l	98
56) Ethyl methacrylate	10.648	69	476215	165.894	ug/l	97
57) 1,3-Dichloropropane	10.934	76	542178	144.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	1264307	825.160	ug/l	99
59) 2-Hexanone	10.971	43	1152381	789.253	ug/l	100
60) Dibromochloromethane	11.129	129	408737	150.438	ug/l	95
61) 1,2-Dibromoethane	11.239	107	330479	149.669	ug/l	99
64) Tetrachloroethene	10.861	164	311674	140.272	ug/l	92
65) Chlorobenzene	11.660	112	1082491	140.873	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	376695	148.901	ug/l	99
67) Ethyl Benzene	11.733	91	1886049	149.806	ug/l	99
68) m/p-Xylenes	11.837	106	1416558	292.350	ug/l	97
69) o-Xylene	12.166	106	707888	154.451	ug/l	98
70) Styrene	12.178	104	1236547	153.051	ug/l	97
71) Bromoform	12.349	173	240584	160.118	ug/l #	97
73) Isopropylbenzene	12.458	105	1786971	161.883	ug/l	100
74) N-amyl acetate	12.269	43	542121	169.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403226	153.706	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	297194m	141.263	ug/l	
77) Bromobenzene	12.745	156	440488	156.481	ug/l	98
78) n-propylbenzene	12.800	91	2120830	158.250	ug/l	98
79) 2-Chlorotoluene	12.891	91	1283524	156.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1493220	159.771	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	136029	179.923	ug/l	94
82) 4-Chlorotoluene	12.989	91	1341754	152.954	ug/l	99
83) tert-Butylbenzene	13.202	119	1264671	159.592	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1528604	158.090	ug/l	99
85) sec-Butylbenzene	13.379	105	1883544	159.198	ug/l	98
86) p-Isopropyltoluene	13.495	119	1604066	159.424	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	827718	146.037	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	857389	150.918	ug/l	94
89) n-Butylbenzene	13.818	91	1530726	159.573	ug/l	99
90) Hexachloroethane	14.086	117	295110	160.350	ug/l	95
91) 1,2-Dichlorobenzene	13.861	146	750254	149.508	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	76149	164.310	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	494705	154.301	ug/l	97
94) Hexachlorobutadiene	15.226	225	231073	145.321	ug/l	98
95) Naphthalene	15.354	128	1230735	169.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	470621	157.838	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032142.D
Acq On : 26 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

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

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

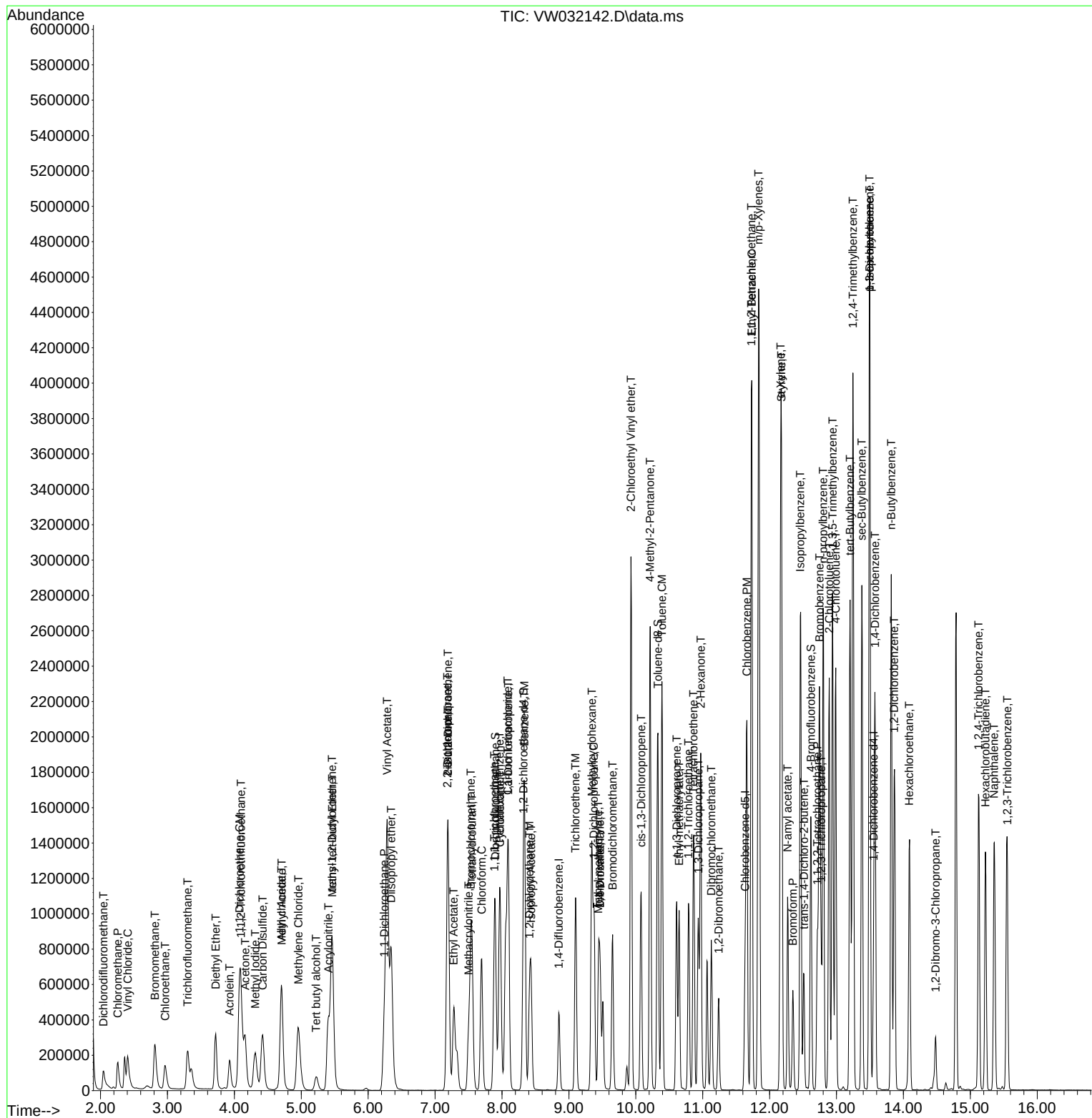
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032142.D
Acq On : 26 Aug 2025 11:51
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

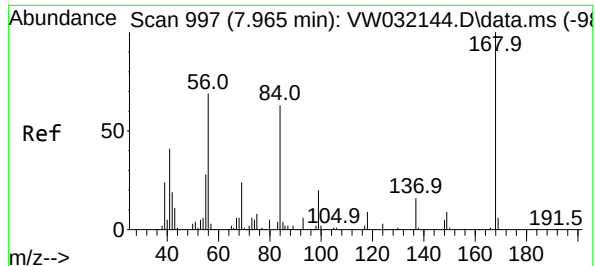
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

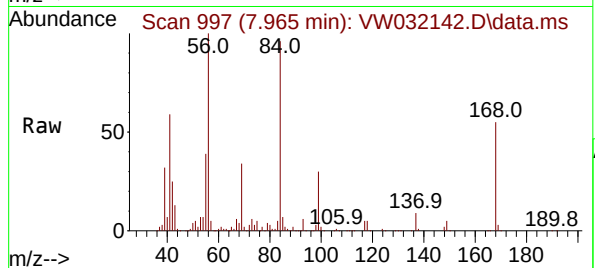
Quant Time: Aug 27 03:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

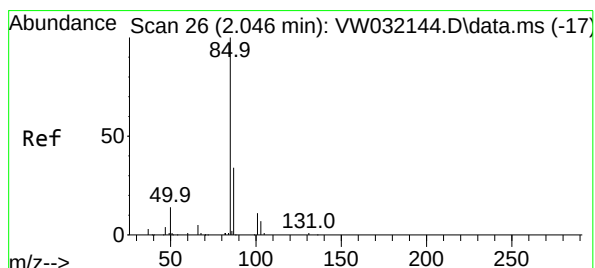
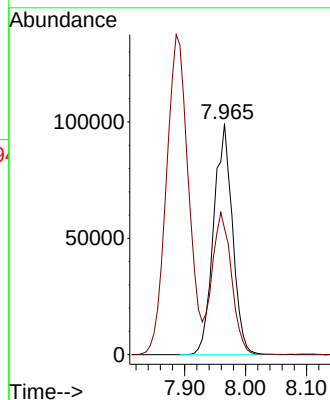
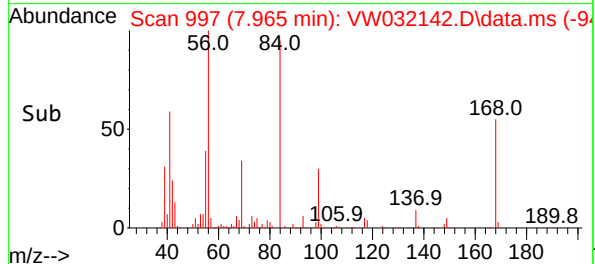
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 168 Resp: 212660
Ion Ratio Lower Upper
168 100
99 54.4 49.3 73.9

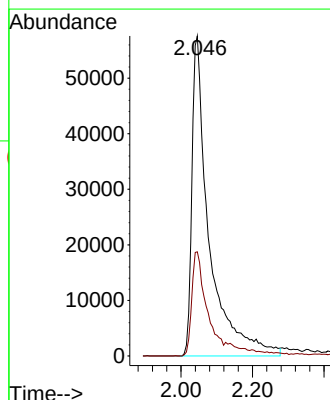
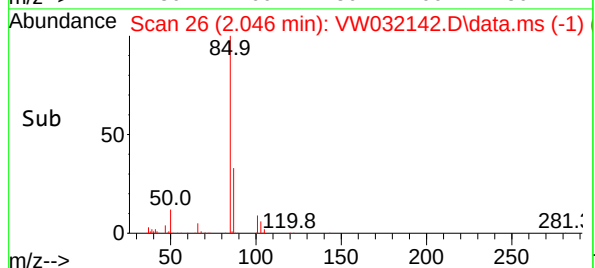
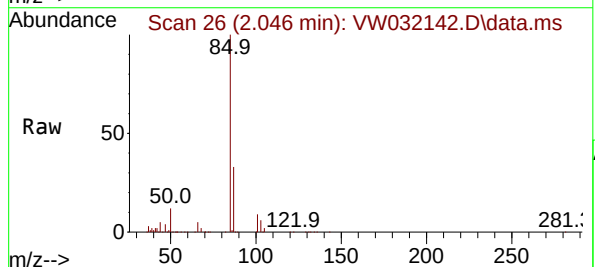
Manual Integrations
APPROVED

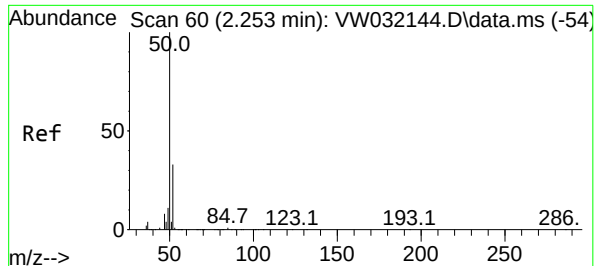
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 137.167 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 85 Resp: 192587
Ion Ratio Lower Upper
85 100
87 32.6 17.2 51.6





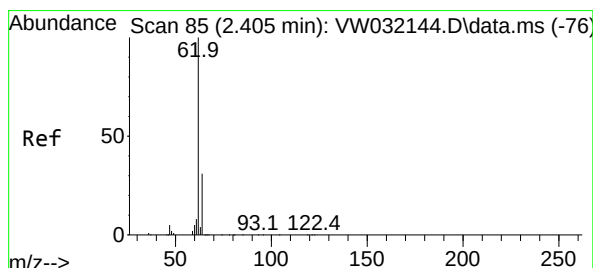
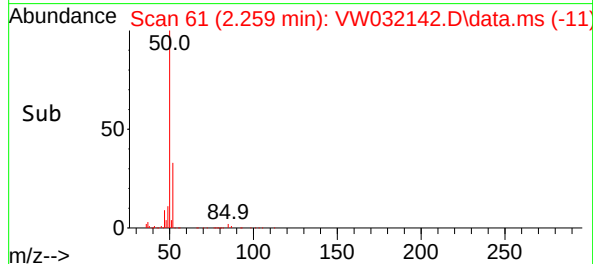
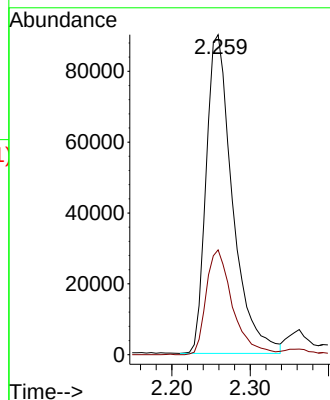
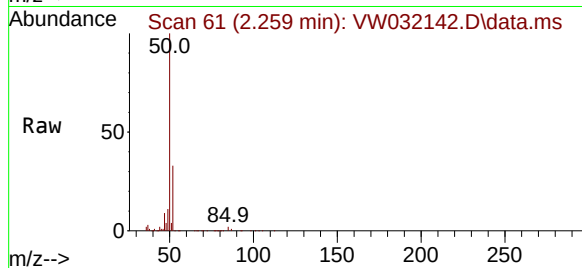
#3
Chloromethane
Concen: 143.009 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 210524
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1

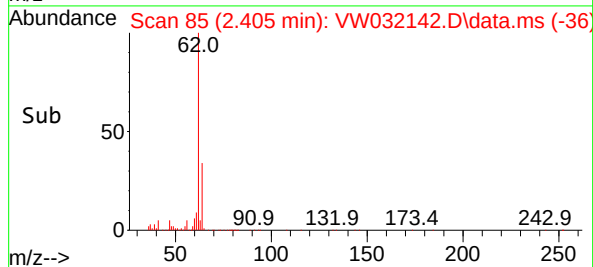
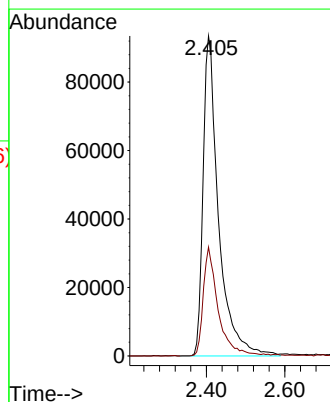
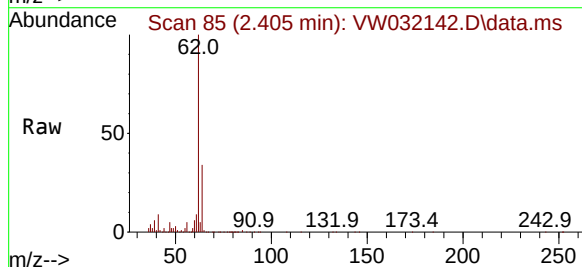
Manual Integrations
APPROVED

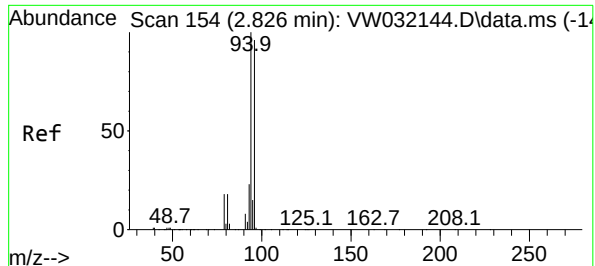
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#4
Vinyl Chloride
Concen: 134.226 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 62 Resp: 256644
Ion Ratio Lower Upper
62 100
64 34.0 24.8 37.2





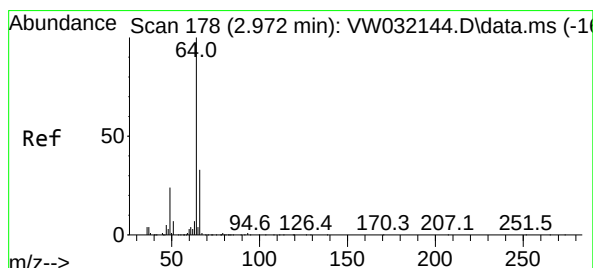
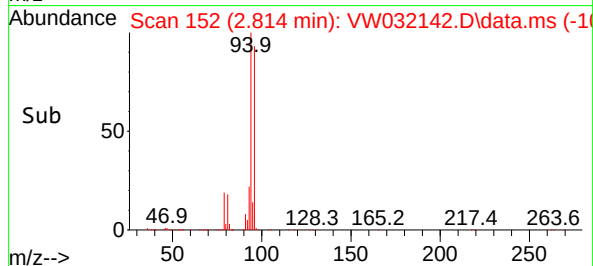
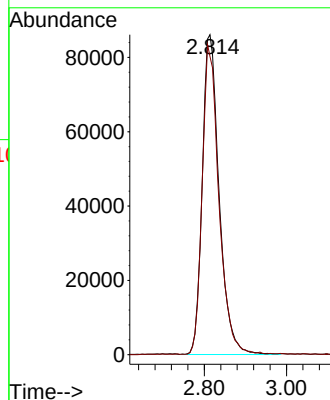
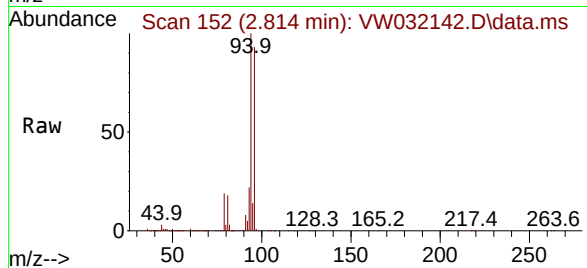
#5
Bromomethane
Concen: 143.458 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 244940
Ion Ratio Lower Upper
94 100
96 93.1 76.6 115.0

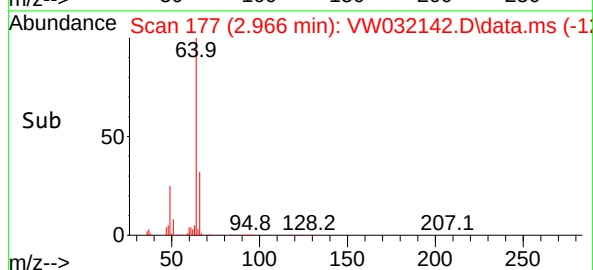
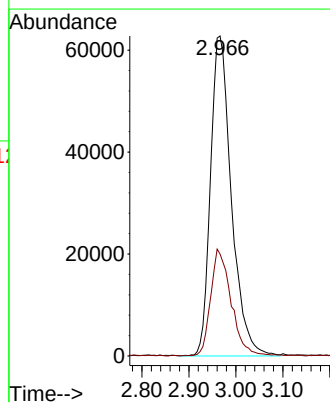
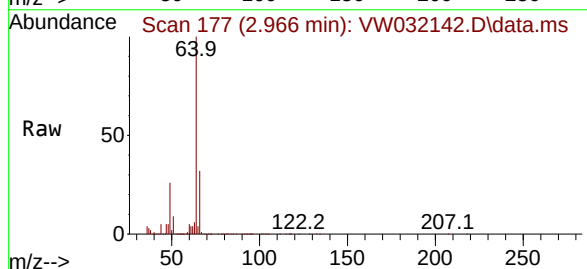
Manual Integrations
APPROVED

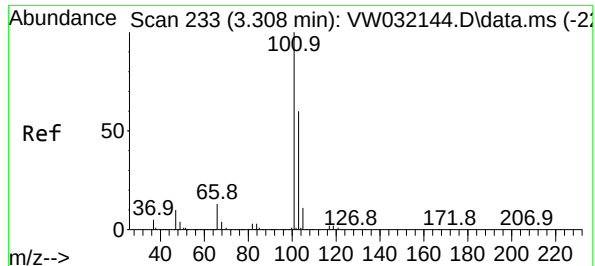
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 143.874 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 64 Resp: 193730
Ion Ratio Lower Upper
64 100
66 31.7 26.2 39.4





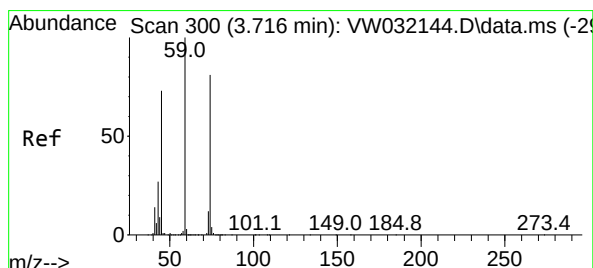
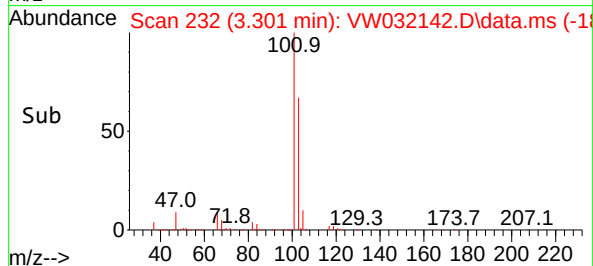
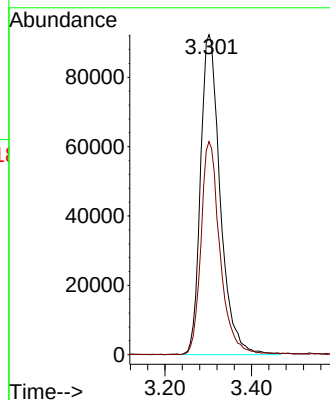
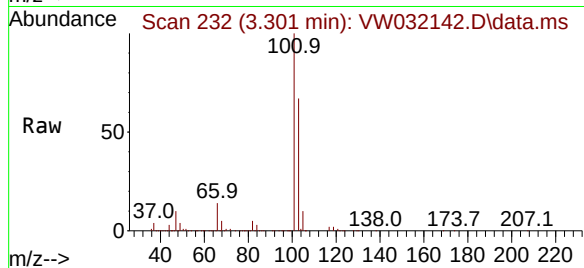
#7
Trichlorofluoromethane
Concen: 153.823 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 101 Resp: 291410
Ion Ratio Lower Upper
101 100
103 66.5 47.8 71.8

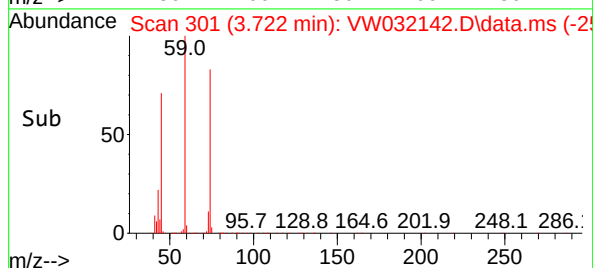
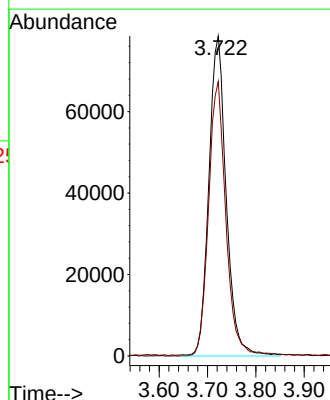
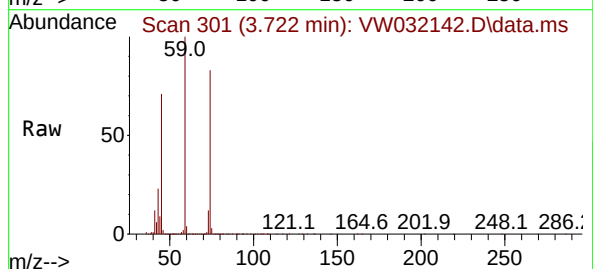
Manual Integrations
APPROVED

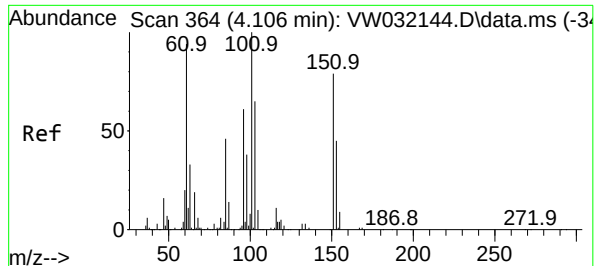
Reviewed By : Mahesh Dadoda 08/27/2025
Supervised By : Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 138.373 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

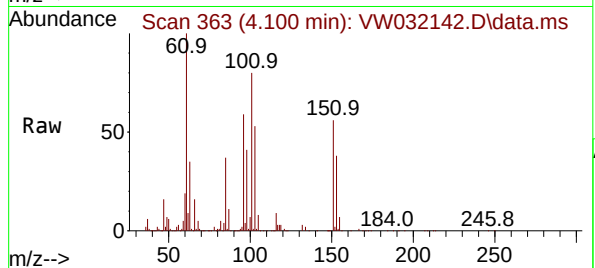
Tgt Ion: 74 Resp: 195629
Ion Ratio Lower Upper
74 100
45 85.9 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 135.714 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

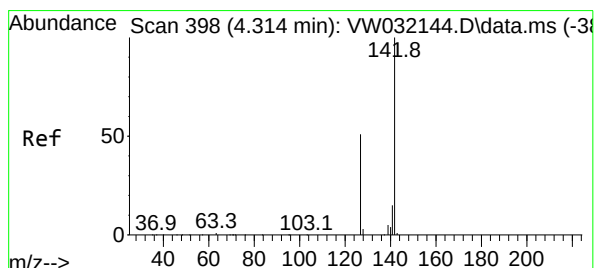
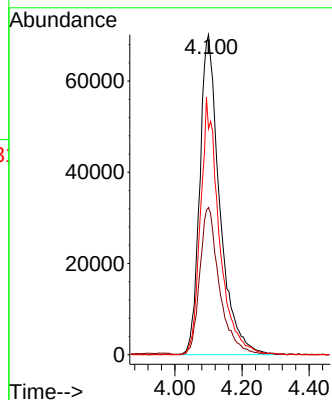
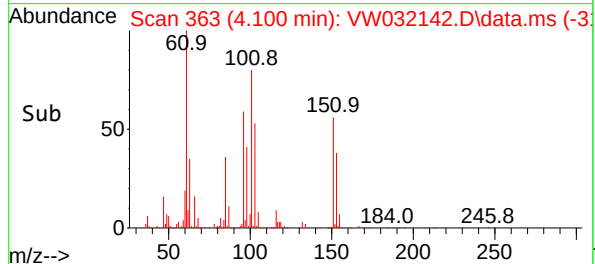
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



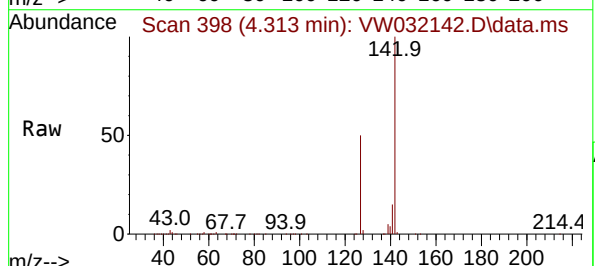
Tgt Ion:101 Resp: 289634
Ion Ratio Lower Upper
101 100
85 45.1 37.1 55.7
151 75.5 61.5 92.3

Manual Integrations
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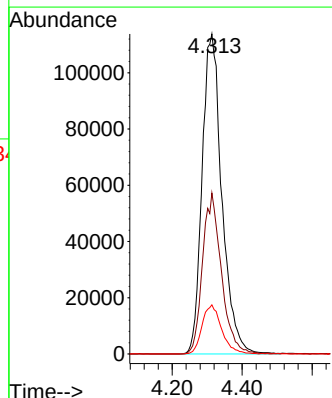
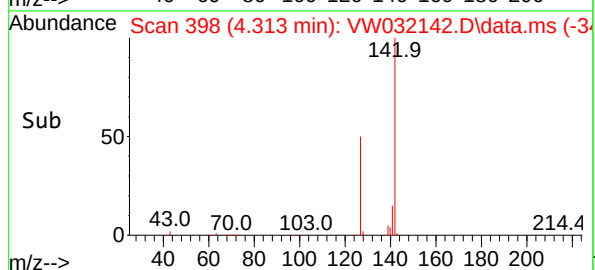
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

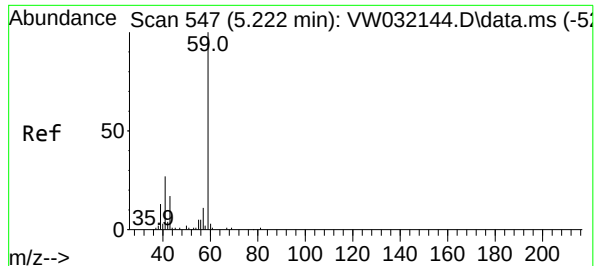


#10
Methyl Iodide
Concen: 137.369 ug/l
RT: 4.313 min Scan# 398
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51



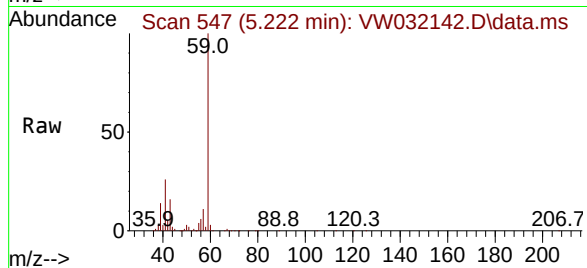
Tgt Ion:142 Resp: 446397
Ion Ratio Lower Upper
142 100
127 47.9 38.2 57.2
141 15.2 12.2 18.2





#11
Tert butyl alcohol
Concen: 759.234 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

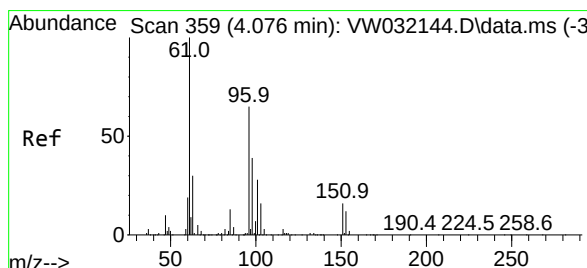
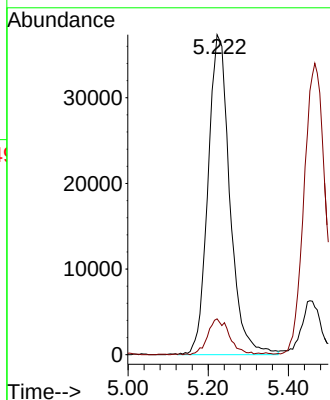
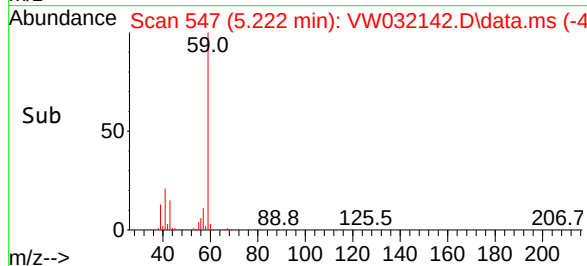
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 59 Resp: 141240
Ion Ratio Lower Upper
59 100
57 11.2 9.8 14.6

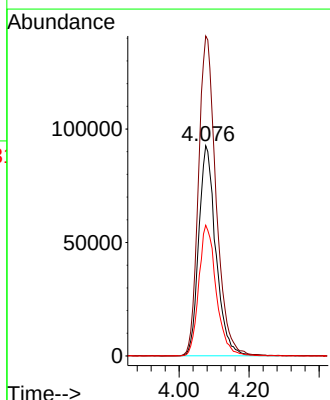
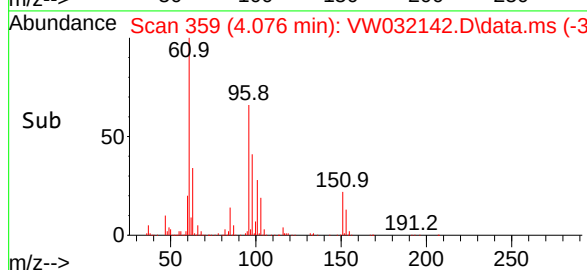
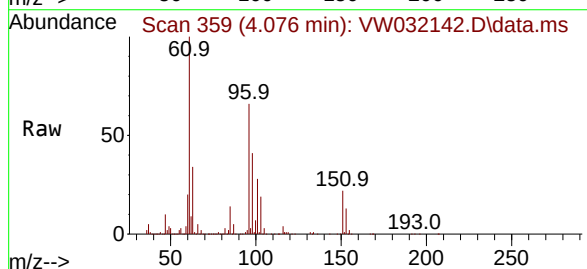
Manual Integrations
APPROVED

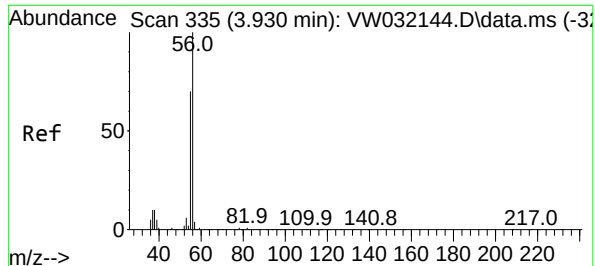
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#12
1,1-Dichloroethene
Concen: 139.822 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 96 Resp: 314257
Ion Ratio Lower Upper
96 100
61 152.2 123.0 184.4
98 62.2 48.5 72.7





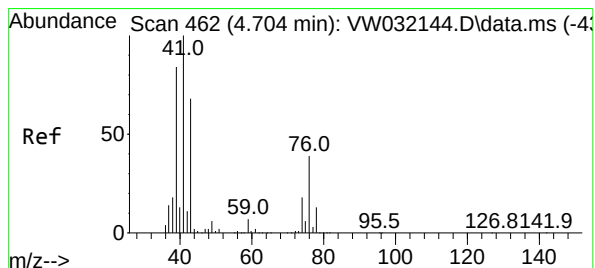
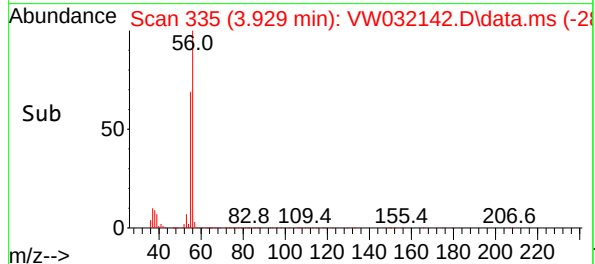
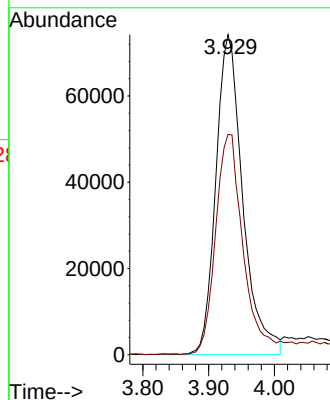
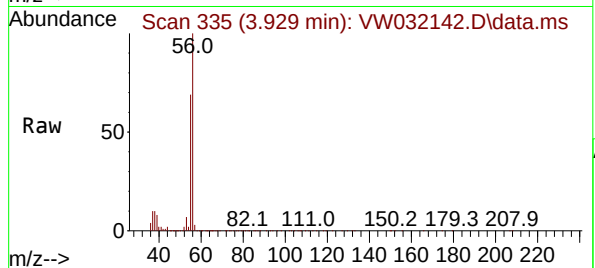
#13
Acrolein
Concen: 739.433 ug/l
RT: 3.929 min Scan# 311
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 21144
Ion Ratio Lower Upper
56 100
55 72.0 56.4 84.6

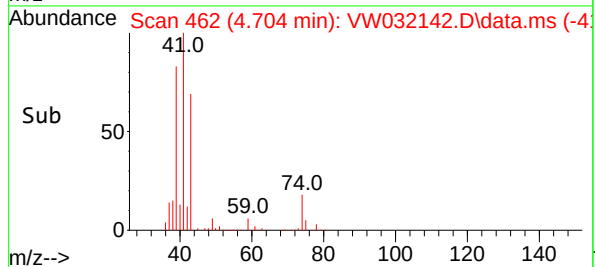
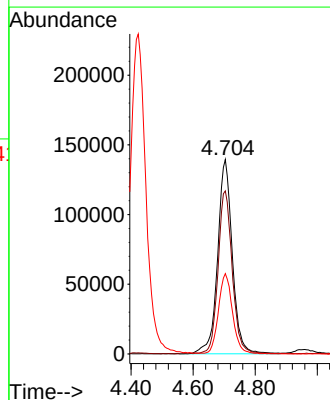
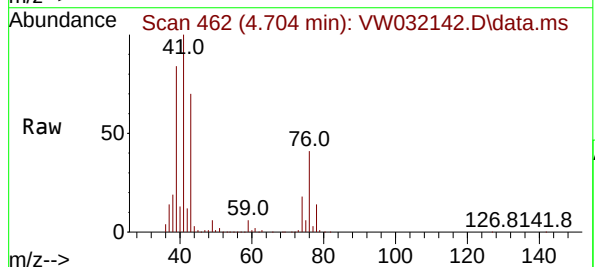
Manual Integrations
APPROVED

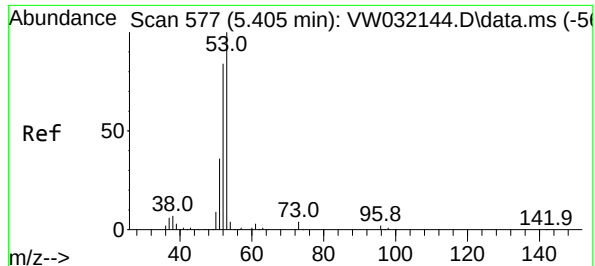
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#14
Allyl chloride
Concen: 143.902 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 41 Resp: 459410
Ion Ratio Lower Upper
41 100
39 80.7 64.1 96.1
76 38.9 31.4 47.2





#15

Acrylonitrile

Concen: 746.122 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

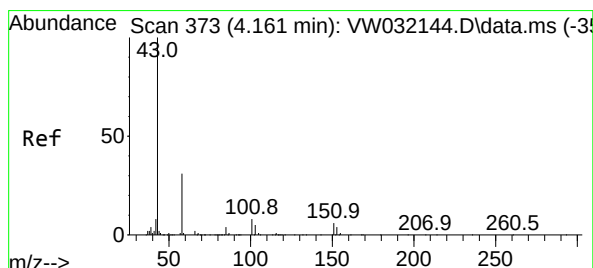
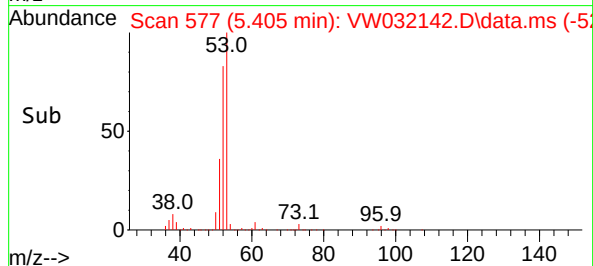
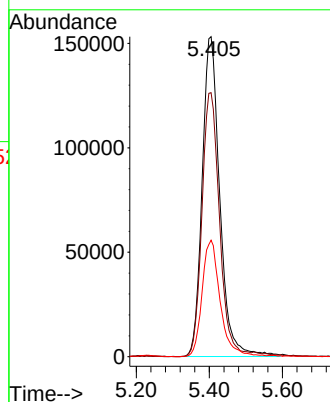
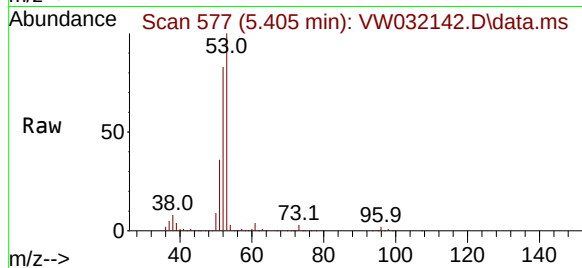
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	51285
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.4	101.2
51	37.5	30.3	45.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16

Acetone

Concen: 668.879 ug/l

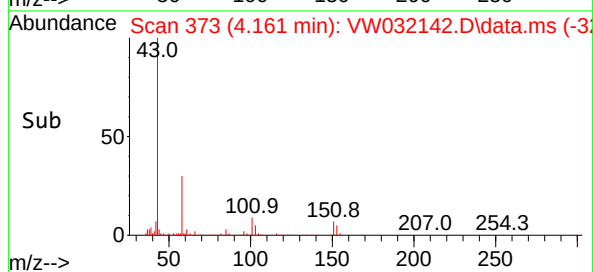
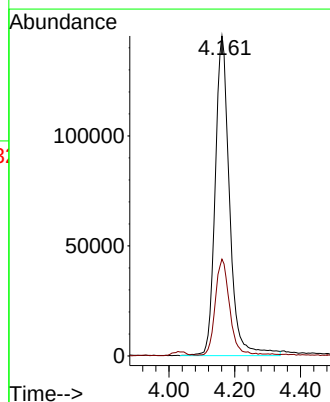
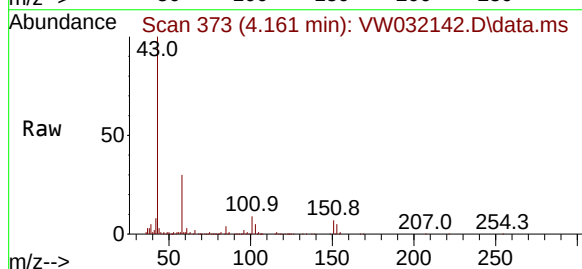
RT: 4.161 min Scan# 373

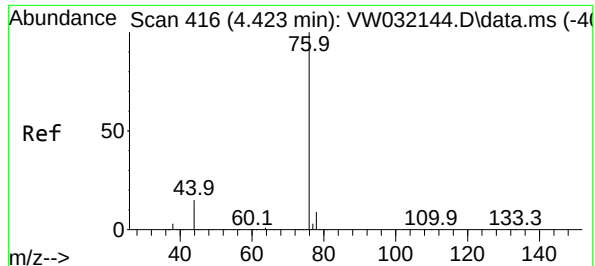
Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion:	43	Resp:	440565
Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.3	37.9





#17

Carbon Disulfide

Concen: 142.669 ug/l

RT: 4.423 min Scan# 416

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 80199

Ion Ratio Lower Upper

76 100

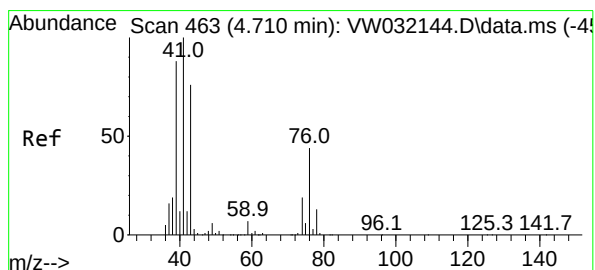
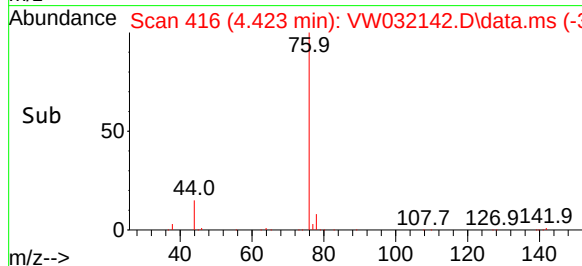
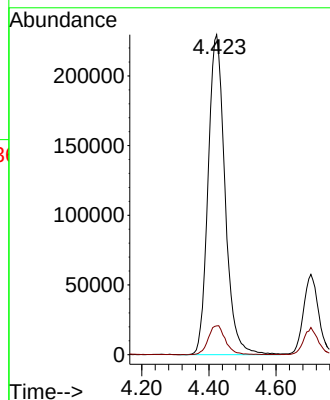
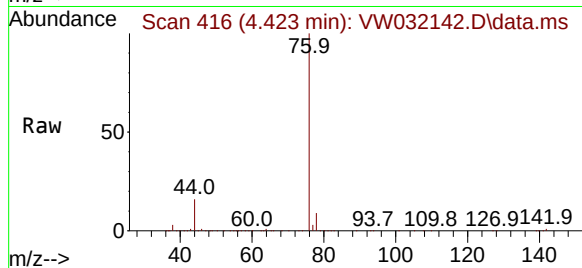
78 9.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#18

Methyl Acetate

Concen: 152.398 ug/l

RT: 4.710 min Scan# 463

Delta R.T. -0.000 min

Lab File: VW032142.D

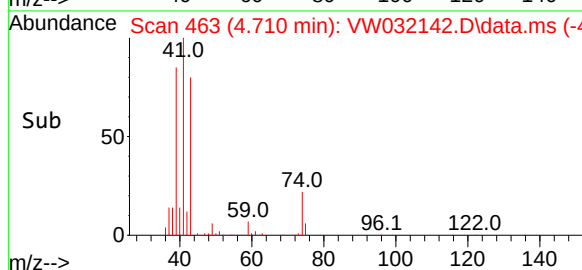
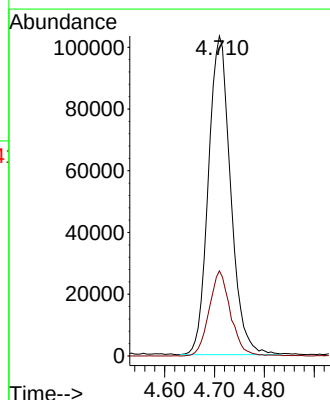
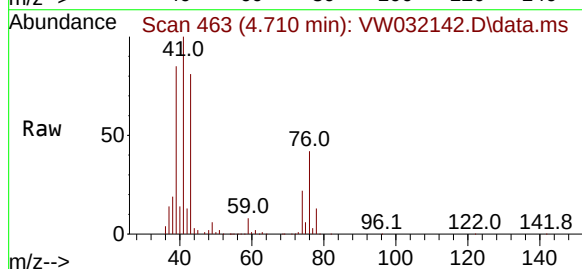
Acq: 26 Aug 2025 11:51

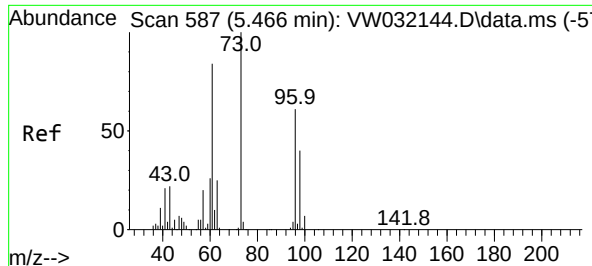
Tgt Ion: 43 Resp: 319825

Ion Ratio Lower Upper

43 100

74 25.6 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 144.143 ug/l

RT: 5.466 min Scan# 587

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 61176

Ion Ratio Lower Upper

73 100

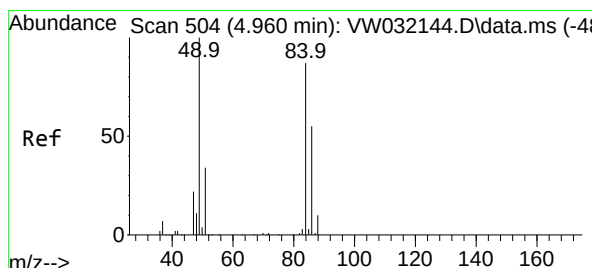
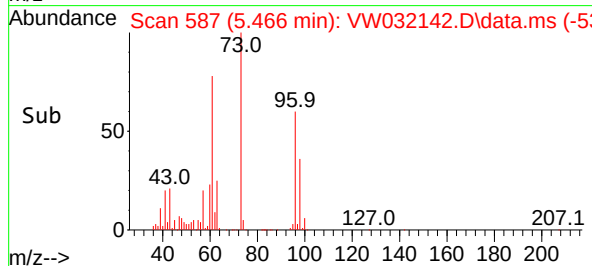
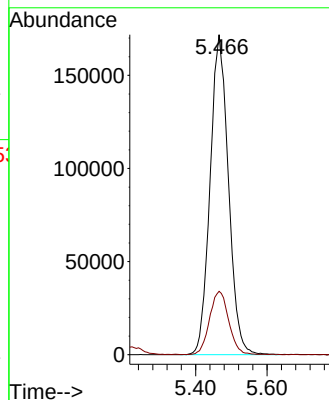
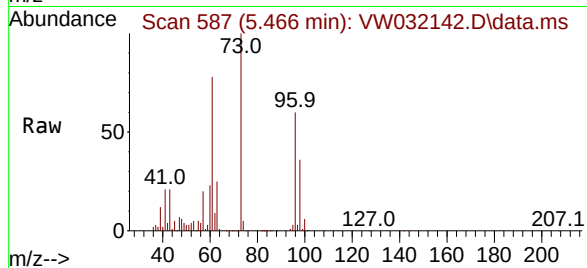
57 19.7 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 150.295 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion: 84 Resp: 353777

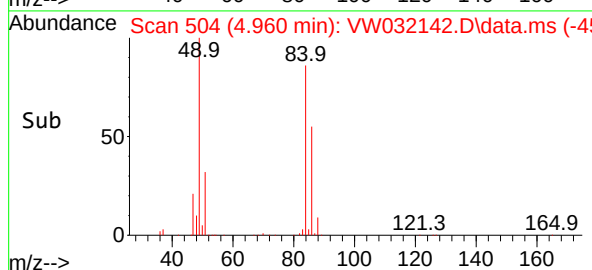
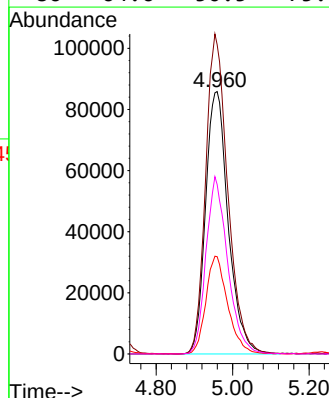
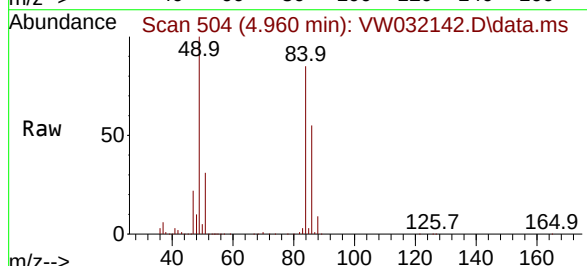
Ion Ratio Lower Upper

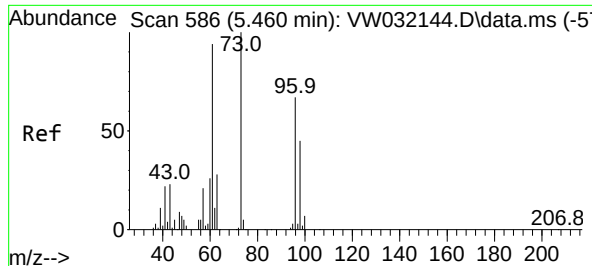
84 100

49 117.7 92.2 138.4

51 37.1 31.0 46.6

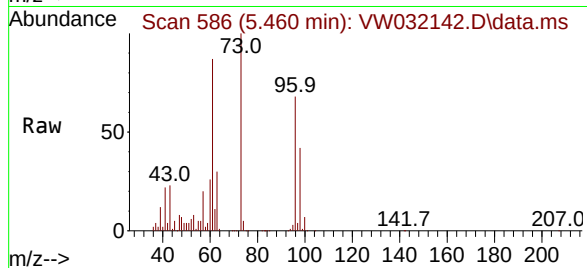
86 64.6 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 142.157 ug/l
RT: 5.460 min Scan# 586
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

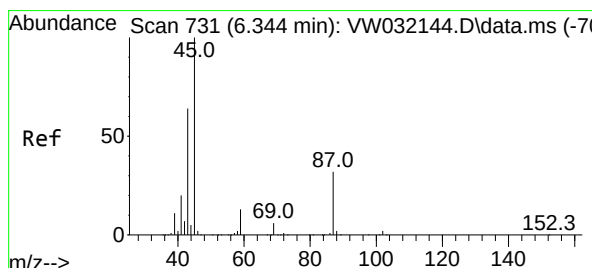
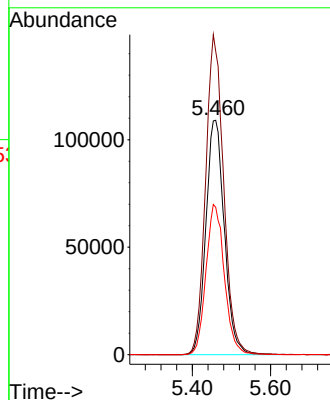
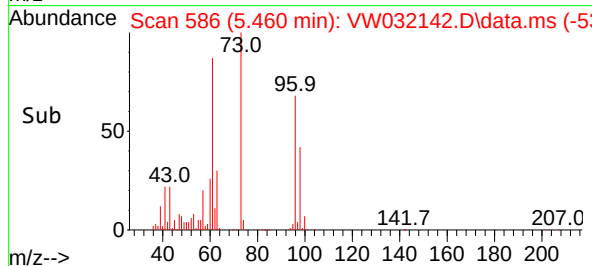
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 35692
Ion Ratio Lower Upper
96 100
61 129.4 112.5 168.7
98 62.8 54.2 81.4

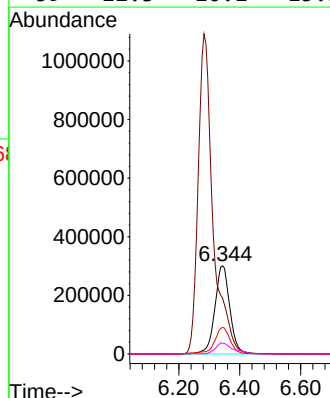
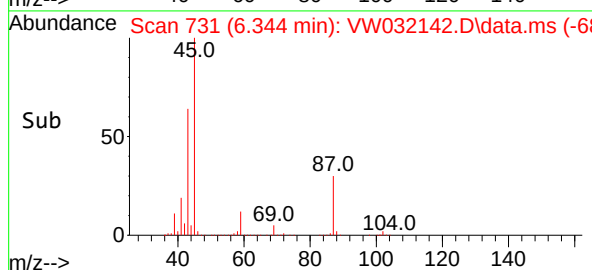
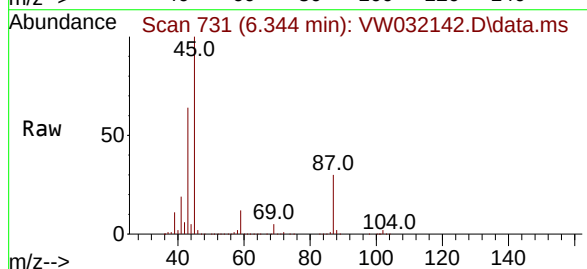
Manual Integrations
APPROVED

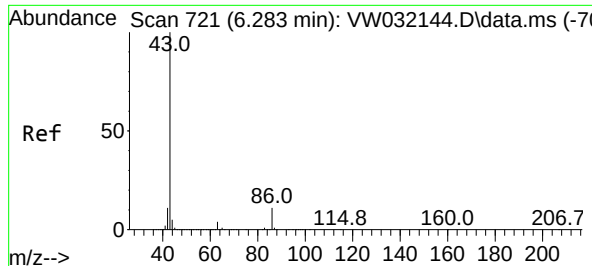
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 147.400 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 45 Resp: 1024195
Ion Ratio Lower Upper
45 100
43 63.6 51.4 77.2
87 30.1 25.9 38.9
59 12.3 10.1 15.1





#23

Vinyl Acetate

Concen: 779.030 ug/l

RT: 6.283 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 368024

Ion Ratio Lower Upper

43 100

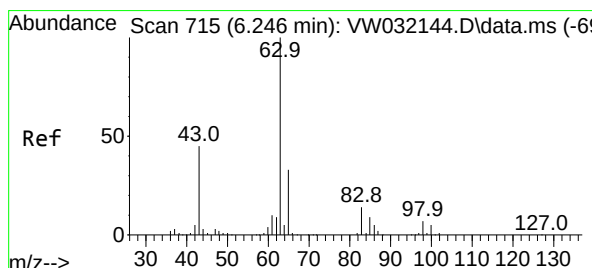
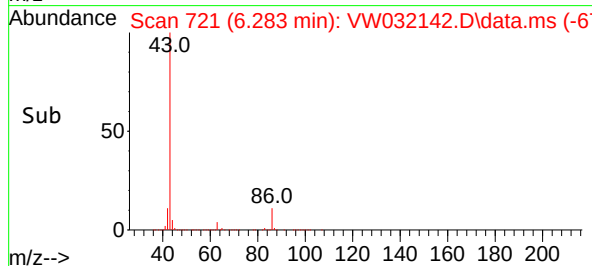
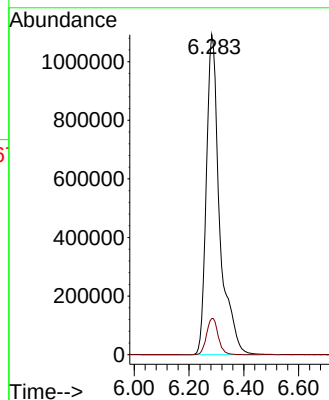
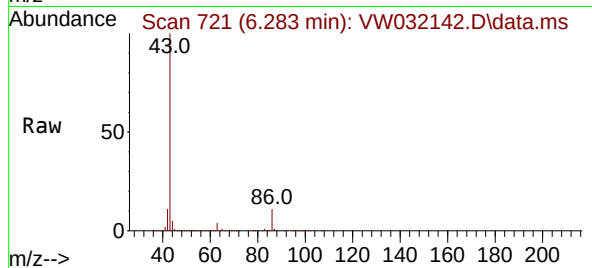
86 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#24

1,1-Dichloroethane

Concen: 140.949 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

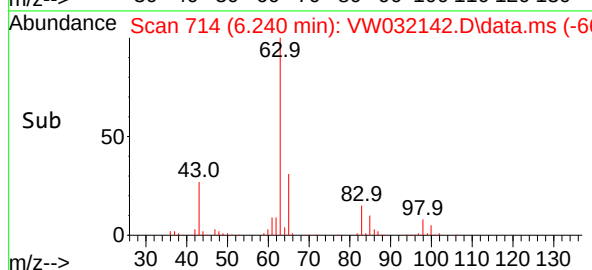
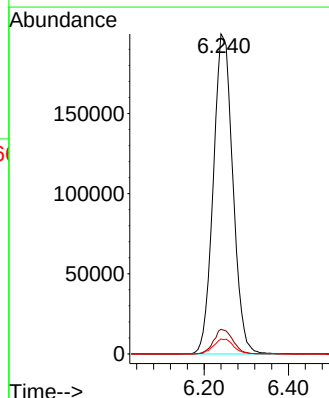
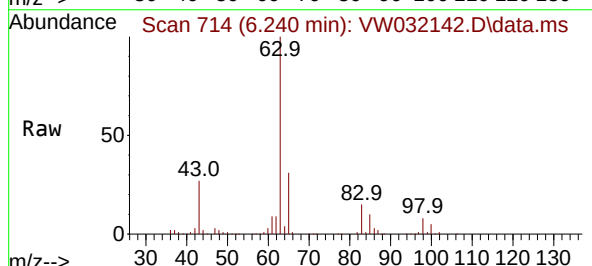
Tgt Ion: 63 Resp: 641157

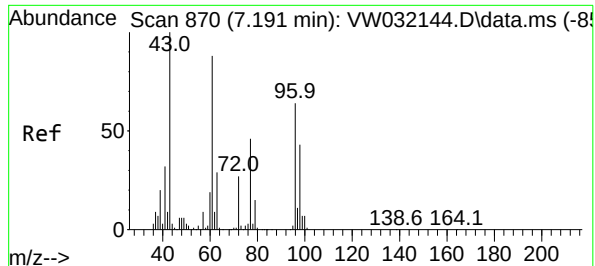
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 763.150 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 71228

Ion Ratio Lower Upper

43 100

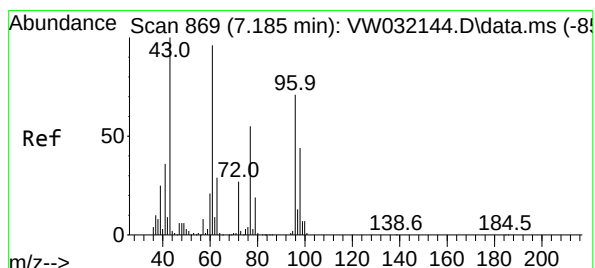
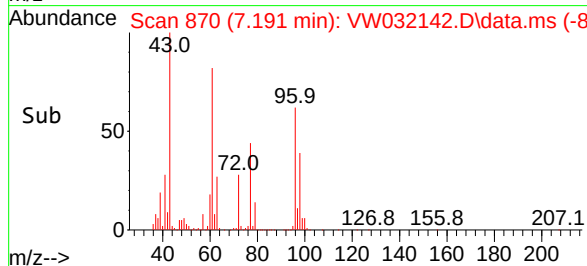
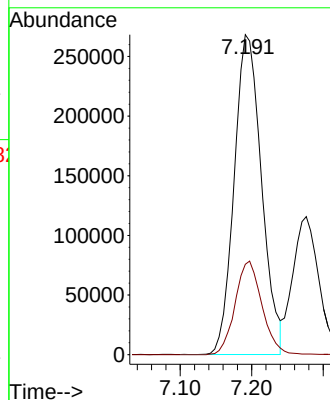
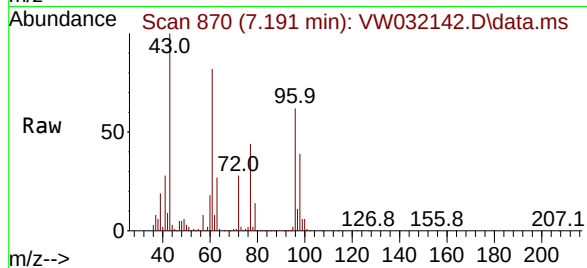
72 28.3 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 145.860 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032142.D

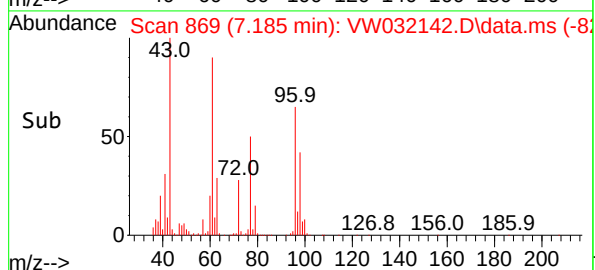
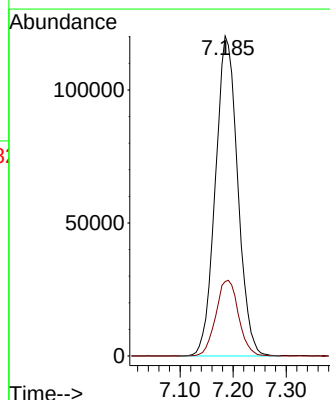
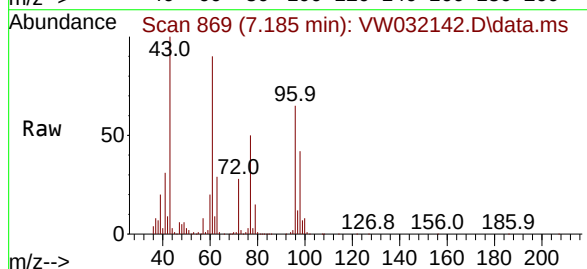
Acq: 26 Aug 2025 11:51

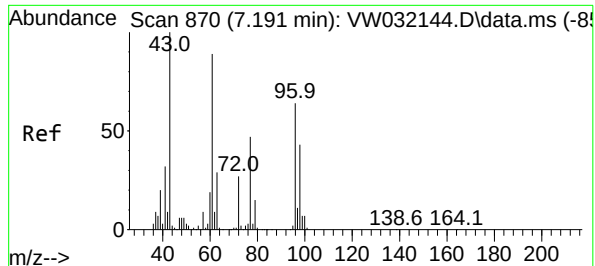
Tgt Ion: 77 Resp: 351365

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 143.865 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 439540

Ion Ratio Lower Upper

96 100

61 134.8 0.0 268.0

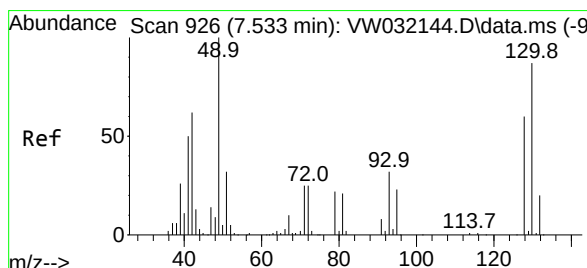
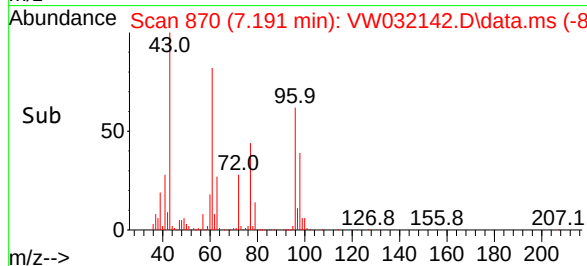
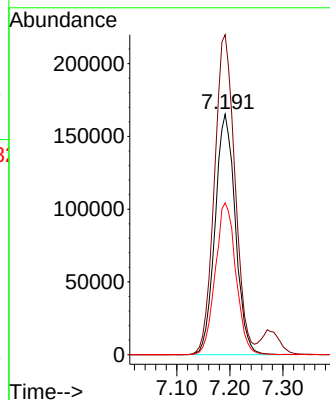
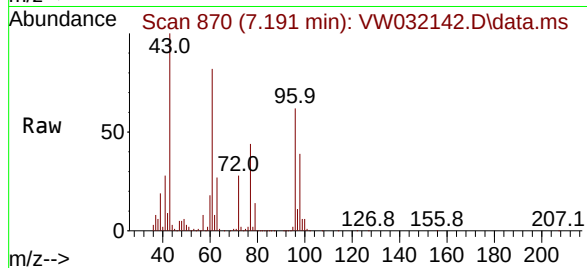
98 64.1 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 149.248 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

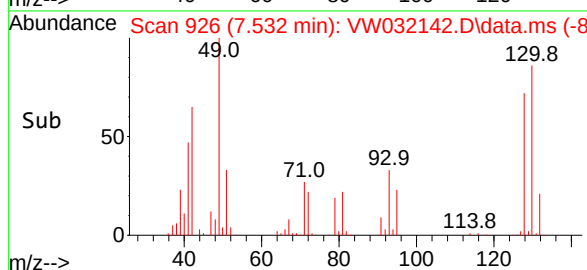
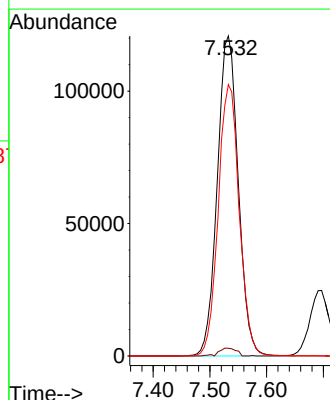
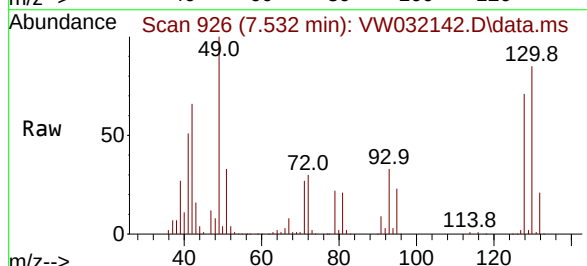
Tgt Ion: 49 Resp: 310783

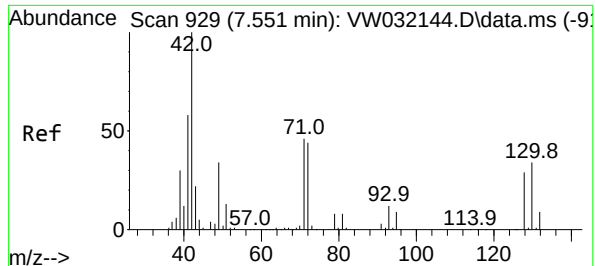
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

130 84.7 67.5 101.3





#29

Tetrahydrofuran

Concen: 770.497 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 45698

Ion Ratio Lower Upper

42 100

72 47.5 37.4 56.2

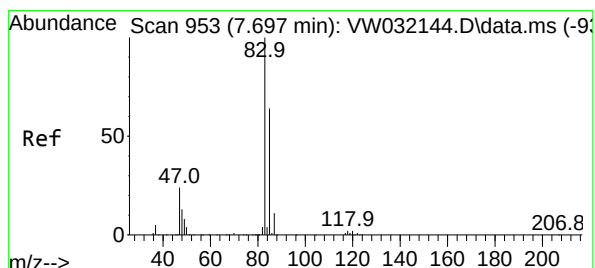
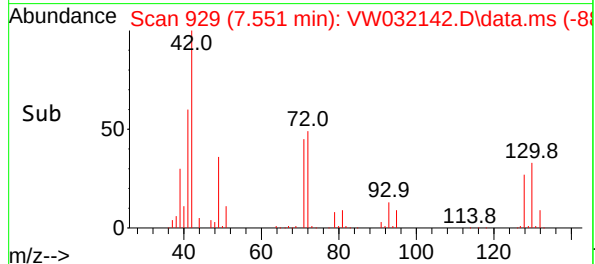
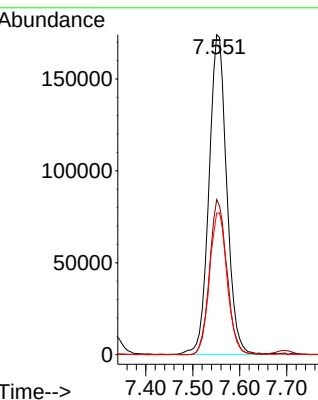
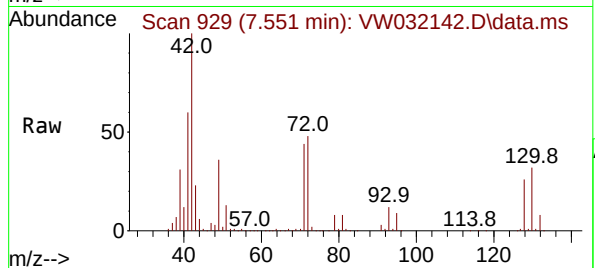
71 44.4 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 141.817 ug/l

RT: 7.697 min Scan# 953

Delta R.T. -0.000 min

Lab File: VW032142.D

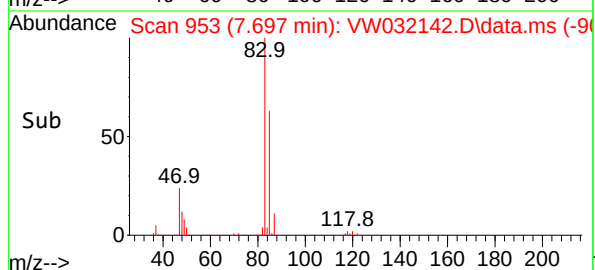
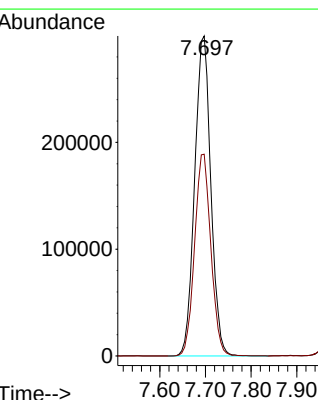
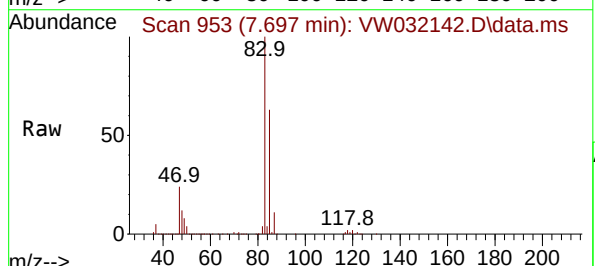
Acq: 26 Aug 2025 11:51

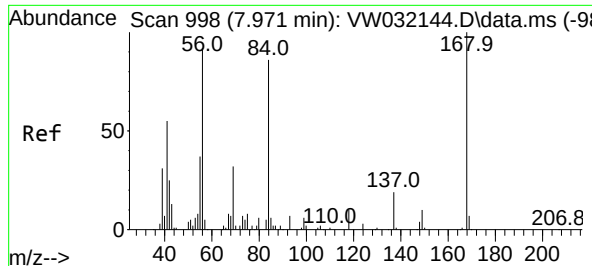
Tgt Ion: 83 Resp: 736537

Ion Ratio Lower Upper

83 100

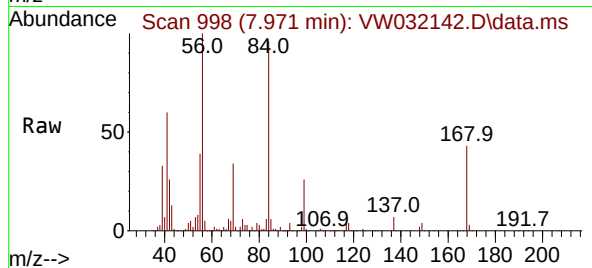
85 63.0 51.2 76.8





#31
Cyclohexane
Concen: 133.190 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

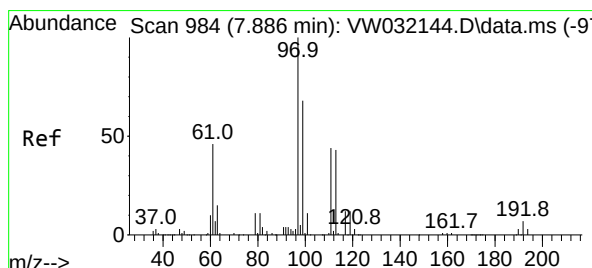
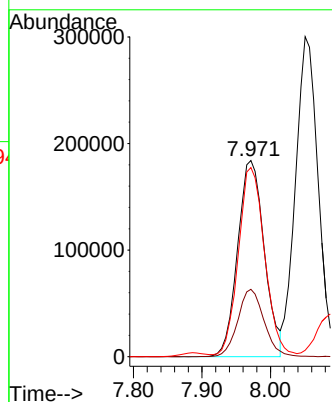
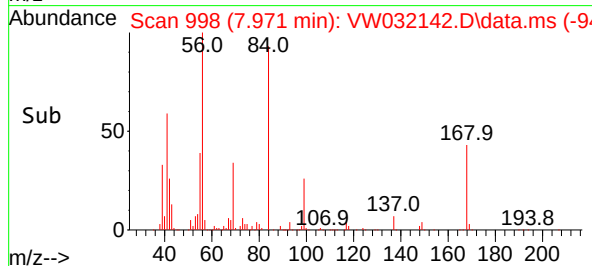
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 497279
Ion Ratio Lower Upper
56 100
69 34.3 27.7 41.5
84 95.5 74.6 112.0

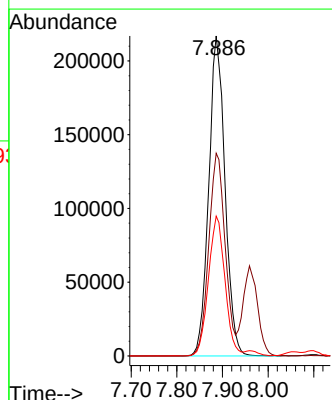
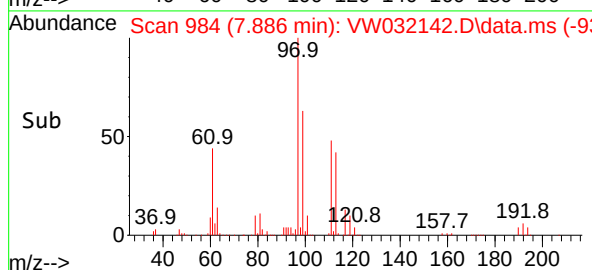
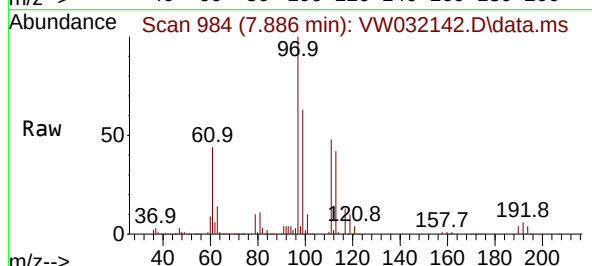
Manual Integrations
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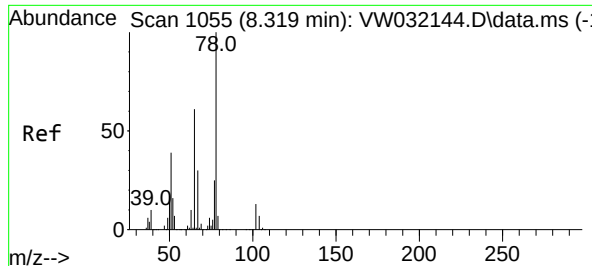
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#32
1,1,1-Trichloroethane
Concen: 141.170 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 97 Resp: 535215
Ion Ratio Lower Upper
97 100
99 64.3 50.9 76.3
61 44.6 36.2 54.4





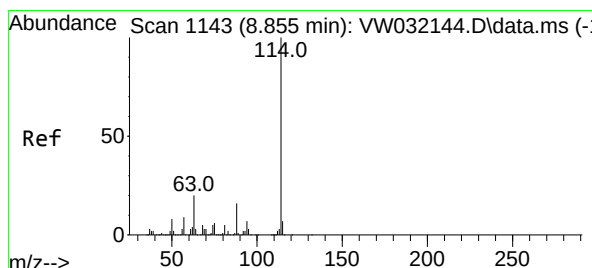
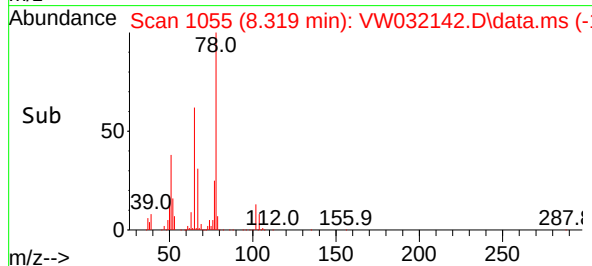
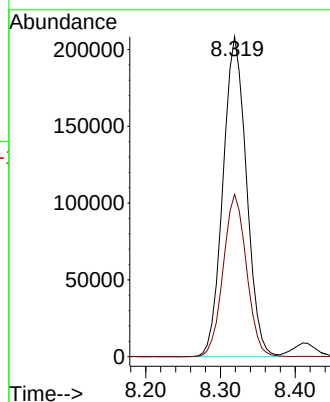
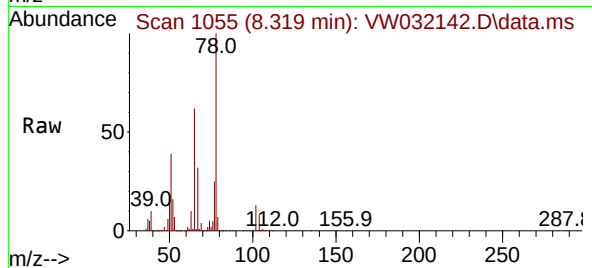
#33
1,2-Dichloroethane-d4
Concen: 149.576 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 454909
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.6

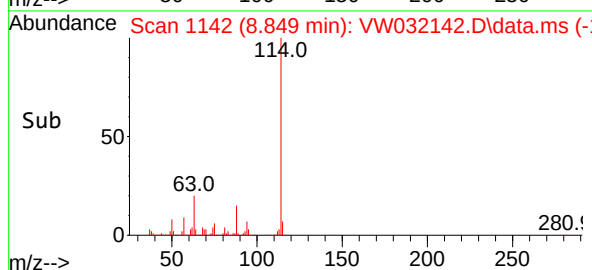
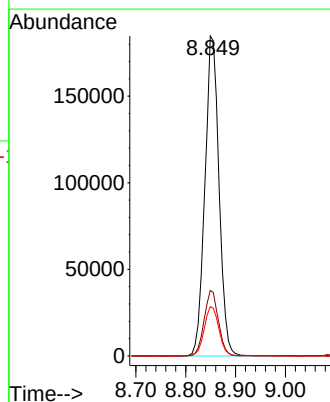
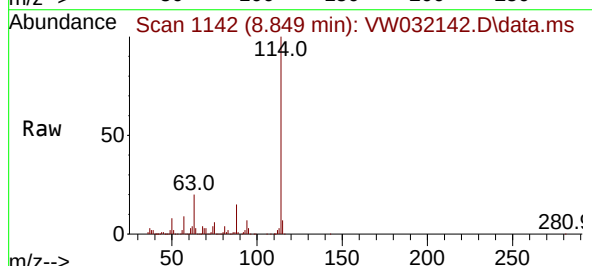
Manual Integrations
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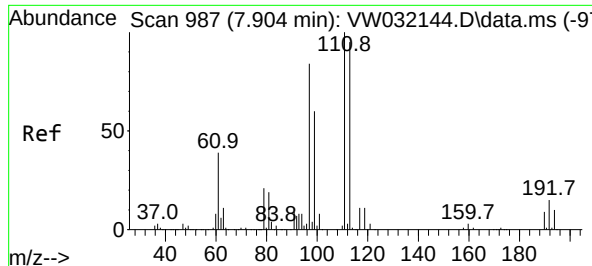
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion:114 Resp: 363183
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 148.049 ug/l

RT: 7.898 min Scan# 9

Delta R.T. -0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 377239

Ion Ratio Lower Upper

113 100

111 101.9 83.9 125.9

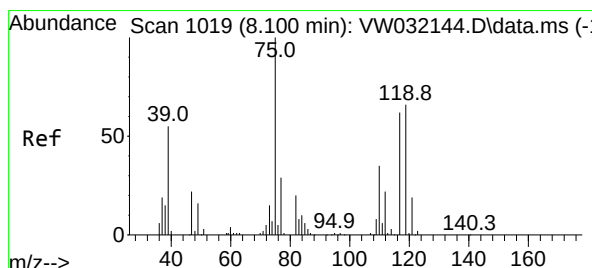
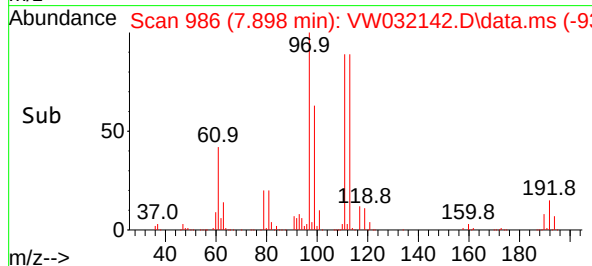
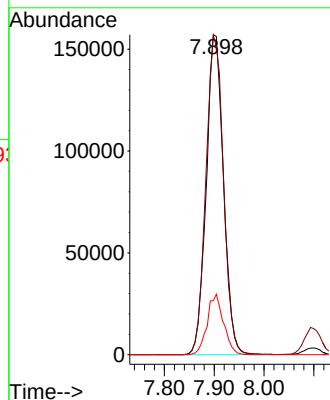
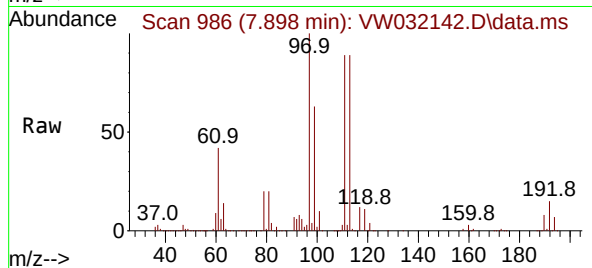
192 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 142.873 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

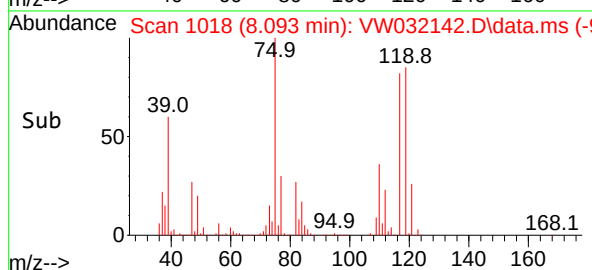
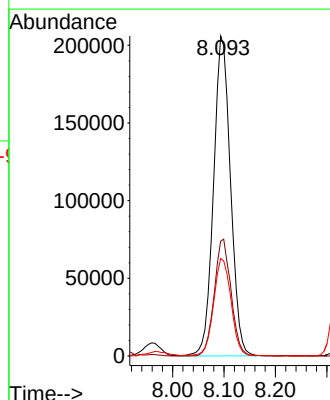
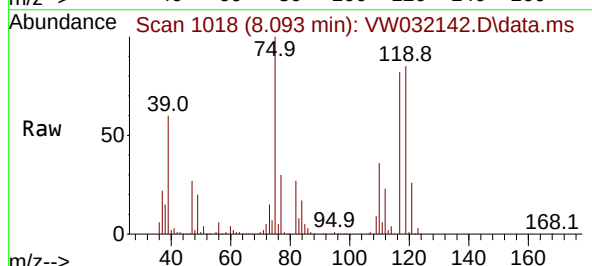
Tgt Ion: 75 Resp: 472017

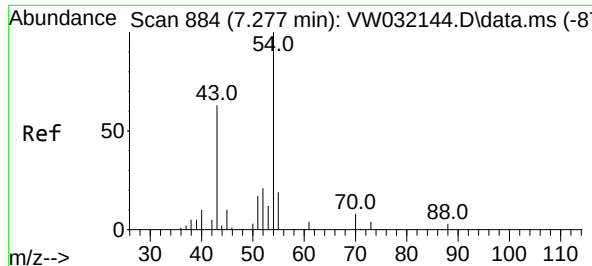
Ion Ratio Lower Upper

75 100

110 36.2 17.5 52.5

77 31.3 24.1 36.1





#37

Ethyl Acetate

Concen: 152.685 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion: 43 Resp: 30260

Ion Ratio Lower Upper

43 100

61 13.9 11.3 16.9

70 11.0 8.9 13.3

Instrument :

MSVOA_W

ClientSampleId :

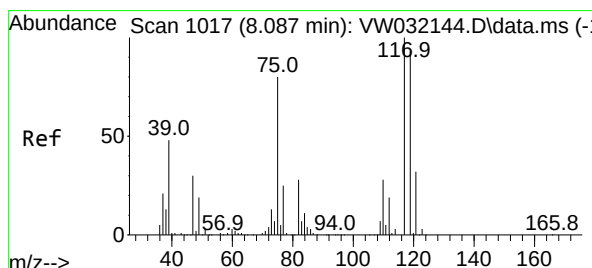
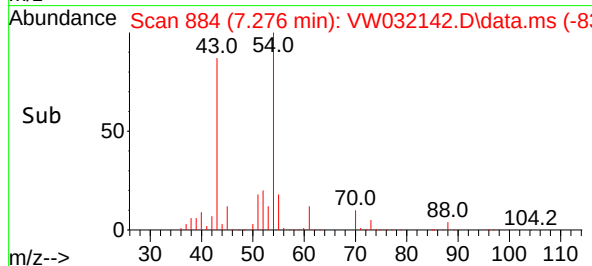
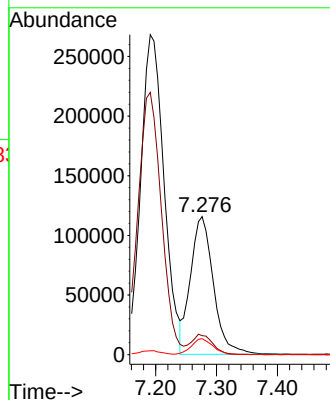
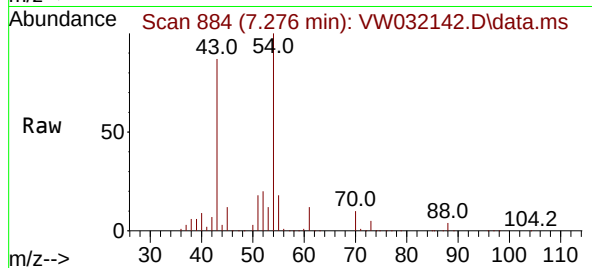
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 143.753 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

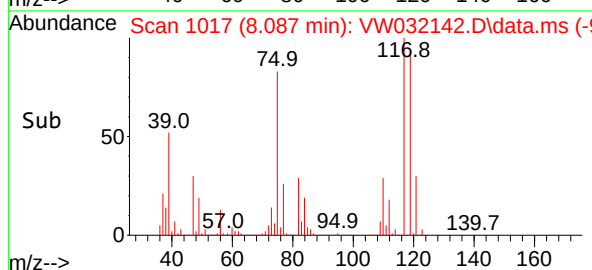
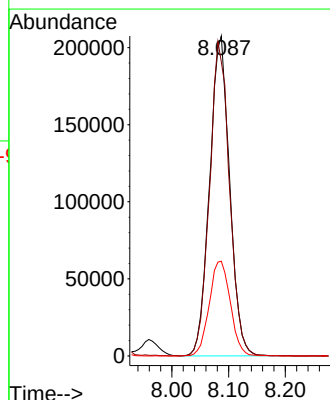
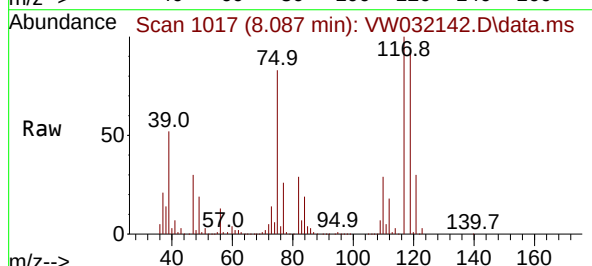
Tgt Ion:117 Resp: 509127

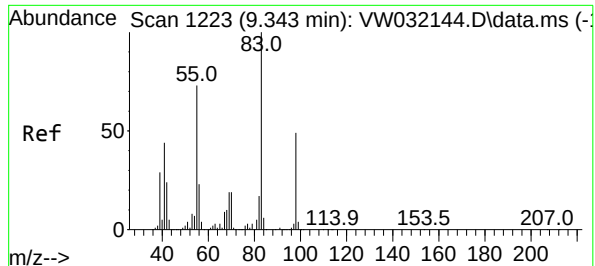
Ion Ratio Lower Upper

117 100

119 91.9 74.2 111.2

121 29.6 25.6 38.4





#39

Methylcyclohexane

Concen: 149.682 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 58572

Ion Ratio Lower Upper

83 100

55 71.5 58.4 87.6

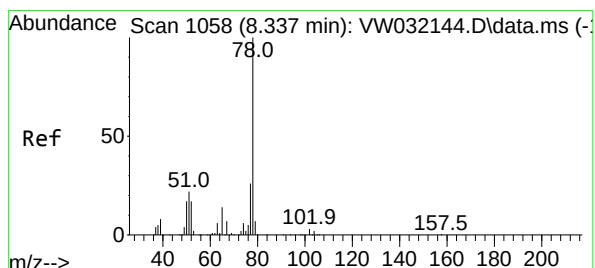
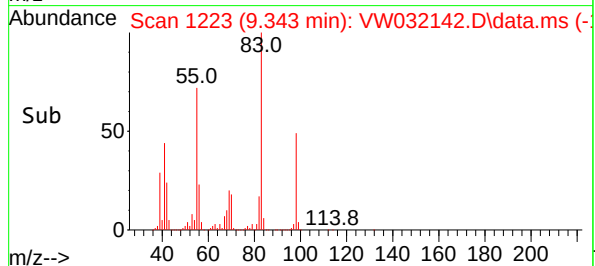
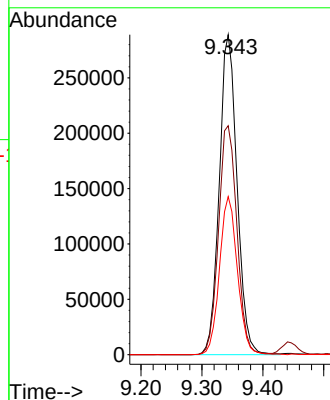
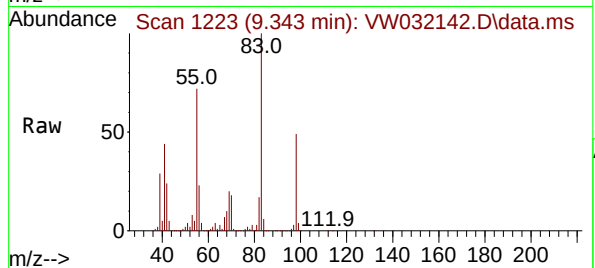
98 49.4 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 142.338 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032142.D

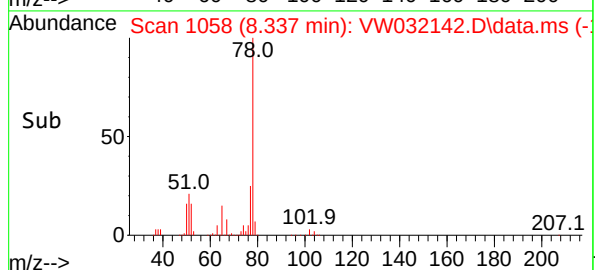
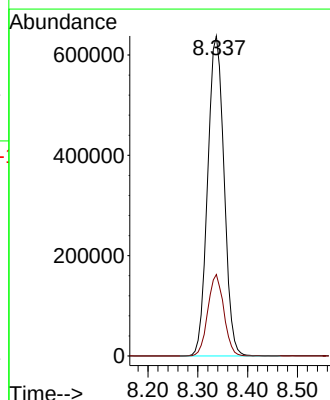
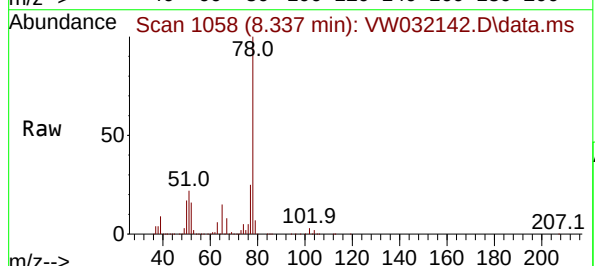
Acq: 26 Aug 2025 11:51

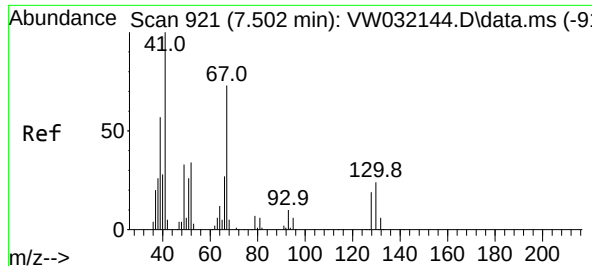
Tgt Ion: 78 Resp: 1453606

Ion Ratio Lower Upper

78 100

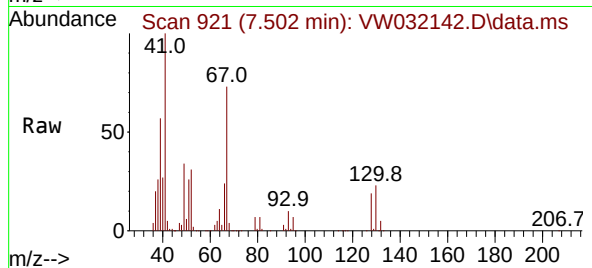
77 25.4 20.7 31.1





#41
Methacrylonitrile
Concen: 153.505 ug/l
RT: 7.502 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

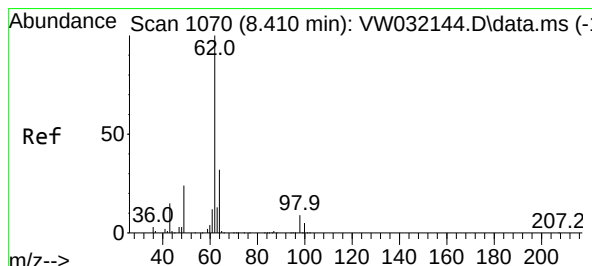
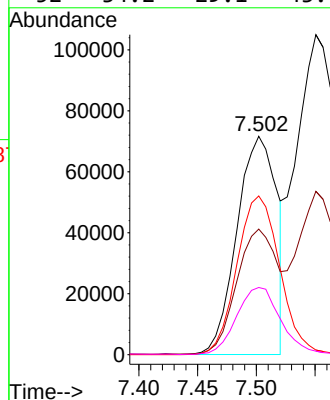
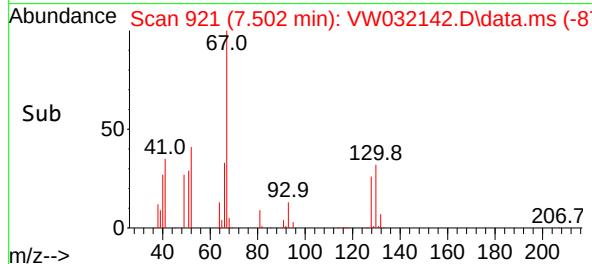
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 169020
Ion Ratio Lower Upper
41 100
39 57.3 50.9 76.3
67 78.7 65.6 98.4
52 34.2 29.1 43.7

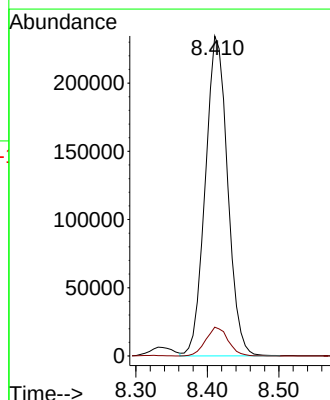
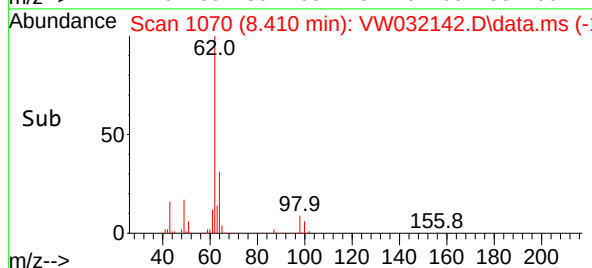
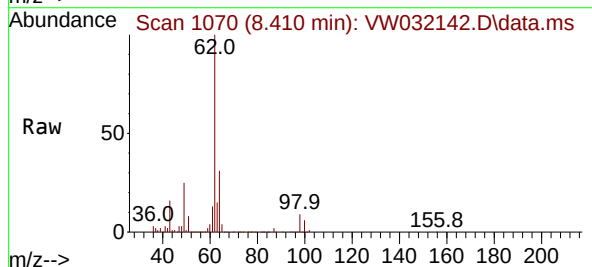
Manual Integrations
APPROVED

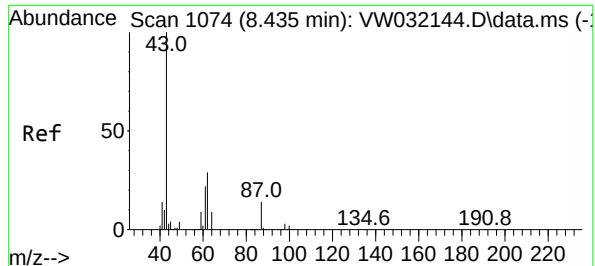
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 143.507 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 62 Resp: 508053
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.0





#43

Isopropyl Acetate

Concen: 156.822 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

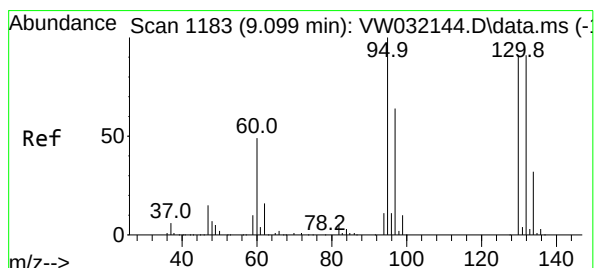
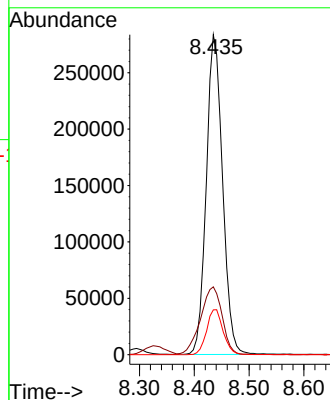
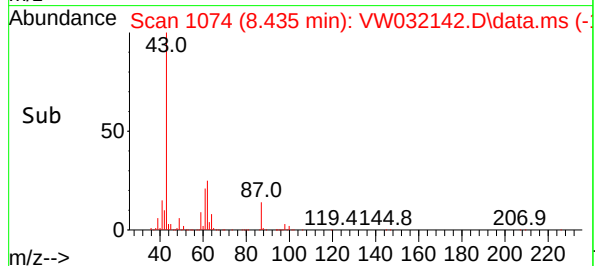
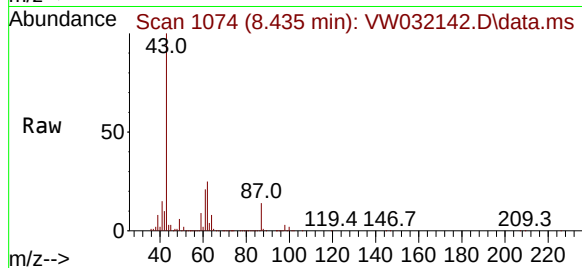
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	58307
Ion Ratio	Lower	Upper	
43	100		
61	28.1	23.3	34.9
87	14.3	11.1	16.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44

Trichloroethene

Concen: 145.505 ug/l

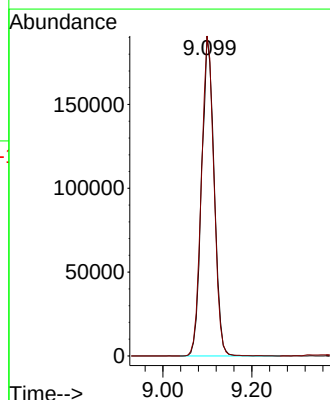
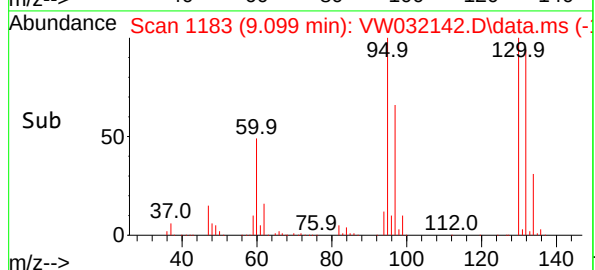
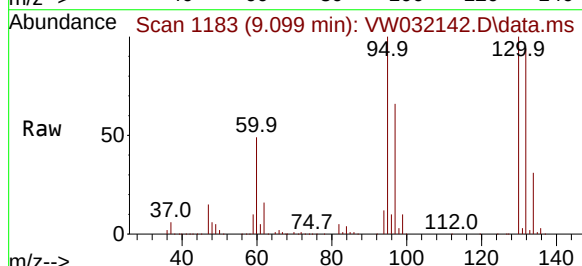
RT: 9.099 min Scan# 1183

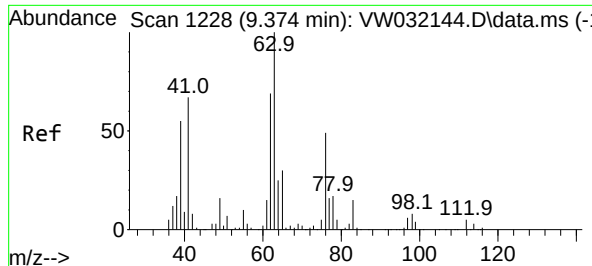
Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion:	130	Resp:	373687
Ion Ratio	Lower	Upper	
130	100		
95	100.0	0.0	220.0





#45

1,2-Dichloropropane

Concen: 142.666 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 351218

Ion Ratio Lower Upper

63 100

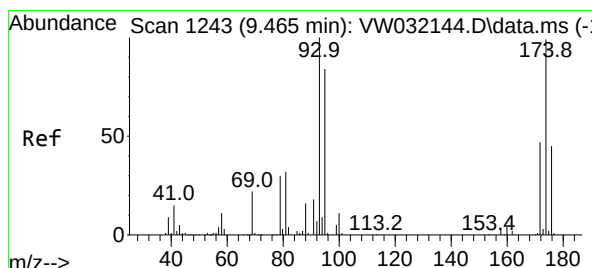
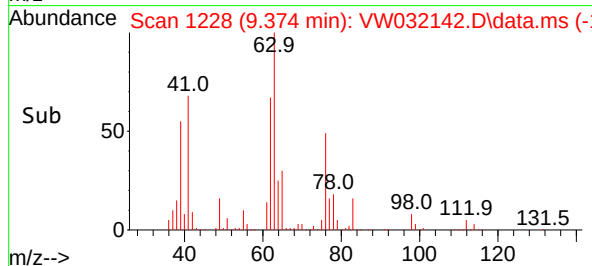
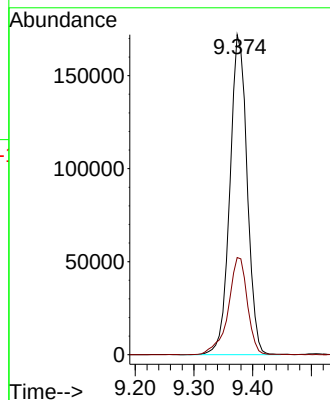
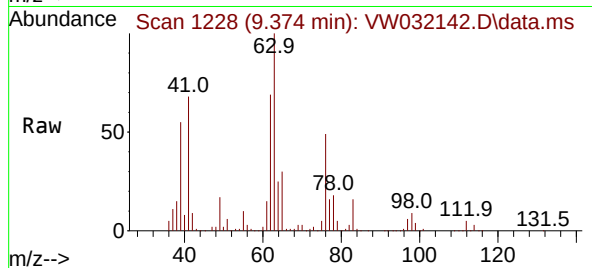
65 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 141.000 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

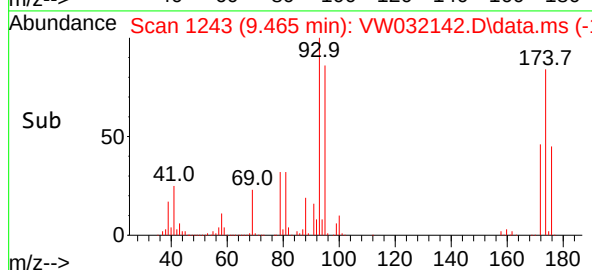
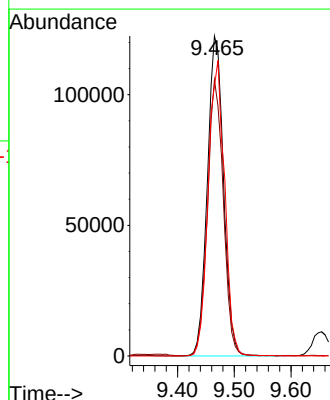
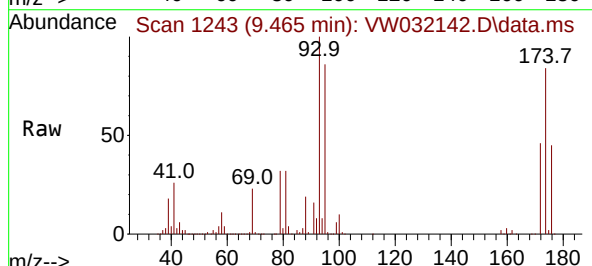
Tgt Ion: 93 Resp: 243465

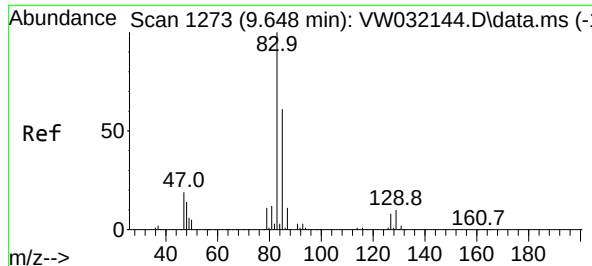
Ion Ratio Lower Upper

93 100

95 84.1 67.4 101.2

174 93.2 75.7 113.5





#47

Bromodichloromethane

Concen: 148.131 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

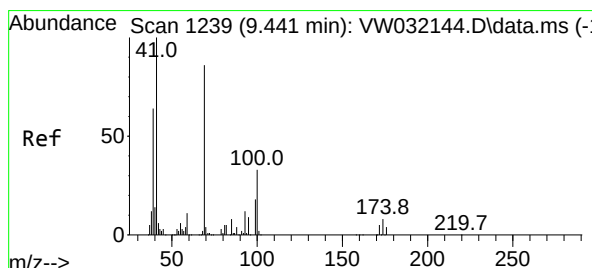
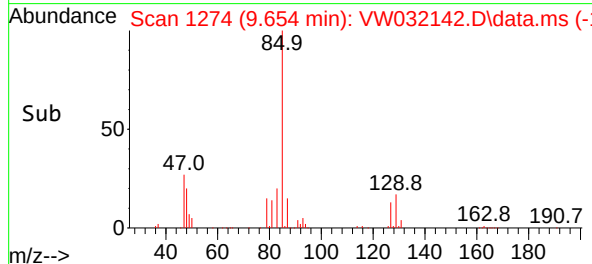
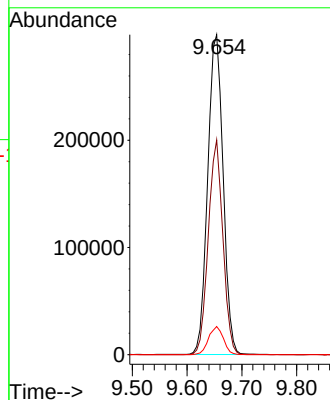
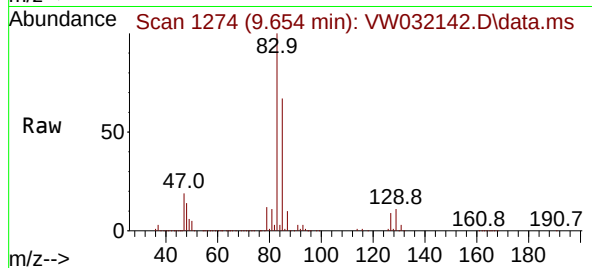
VSTDIC150

Tgt Ion:	83	Resp:	58125
Ion	Ratio	Lower	Upper
83	100		
85	67.1	48.7	73.1
127	8.8	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48

Methyl methacrylate

Concen: 162.575 ug/l

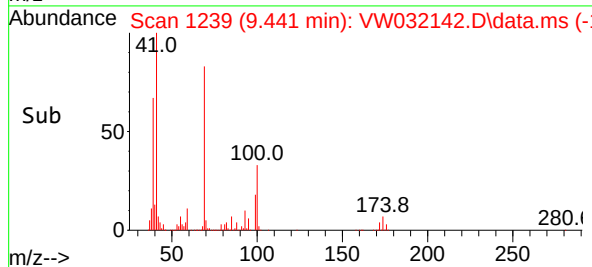
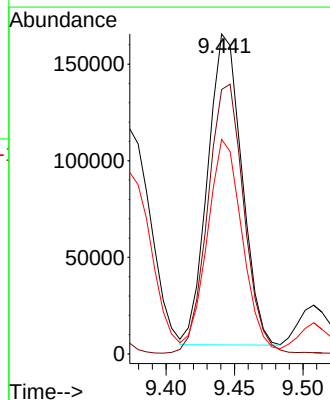
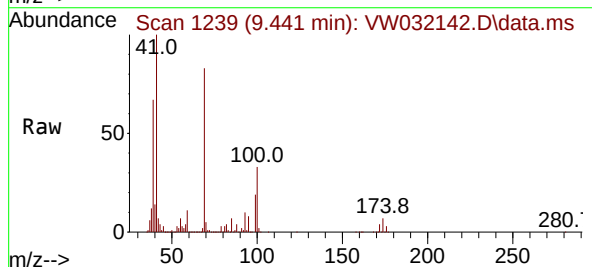
RT: 9.441 min Scan# 1239

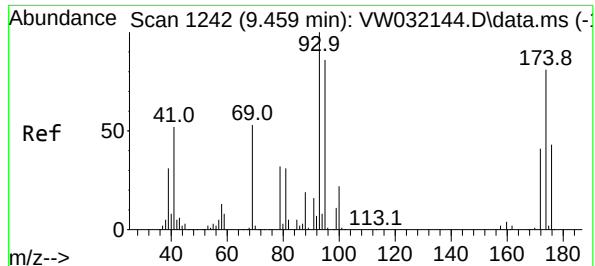
Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion:	41	Resp:	278566
Ion	Ratio	Lower	Upper
41	100		
69	92.2	71.5	107.3
39	71.2	55.9	83.9





#49

1,4-Dioxane

Concen: 3197.399 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 66700

Ion Ratio Lower Upper

88 100

43 25.6 18.0 27.0

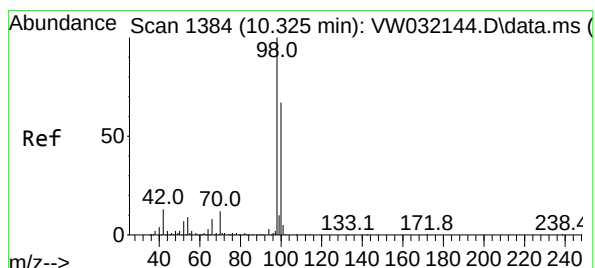
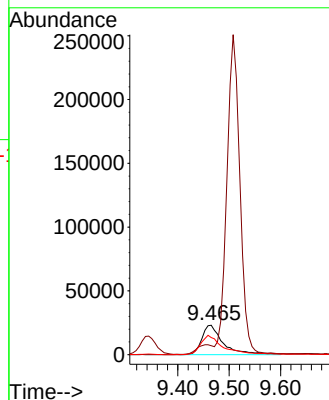
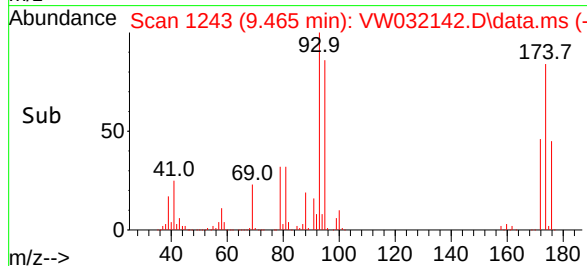
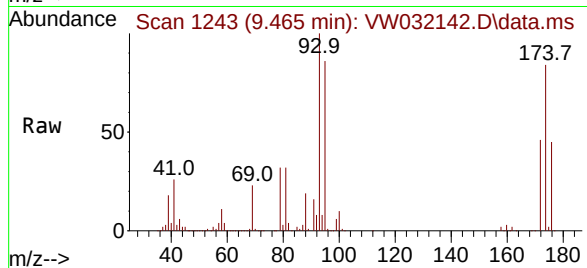
58 70.1 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 152.629 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032142.D

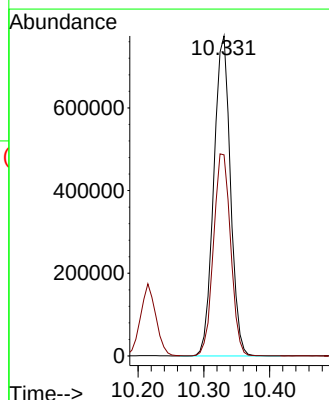
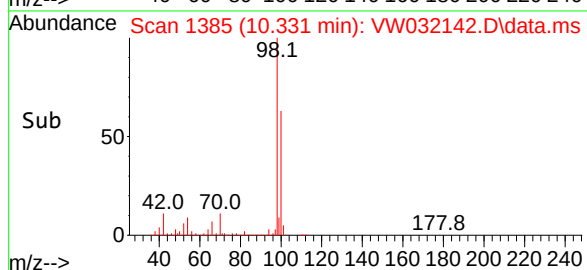
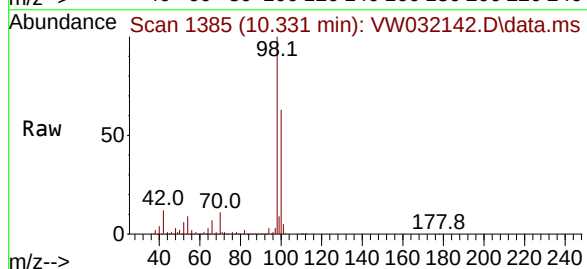
Acq: 26 Aug 2025 11:51

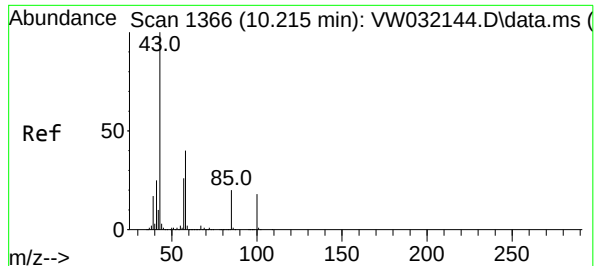
Tgt Ion: 98 Resp: 1365264

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.2





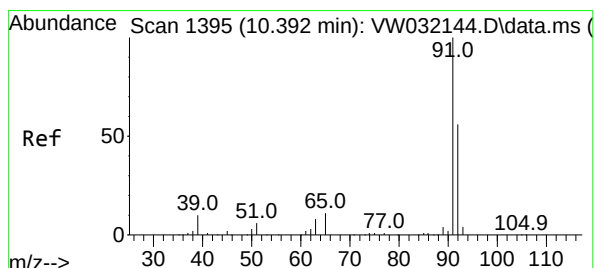
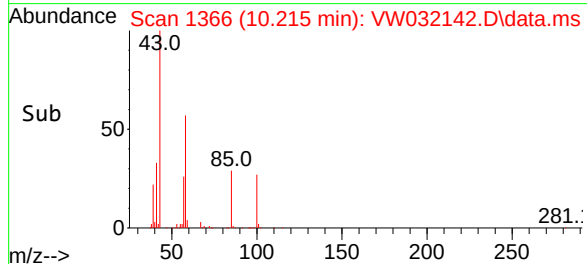
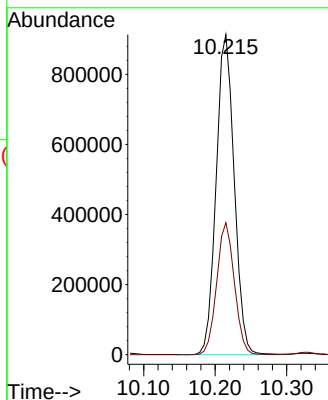
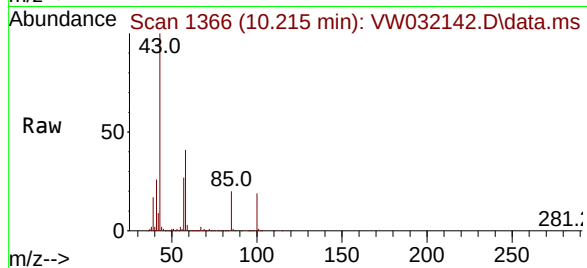
#51
4-Methyl-2-Pentanone
Concen: 762.051 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 159986
Ion Ratio Lower Upper
43 100
58 40.4 32.0 48.0

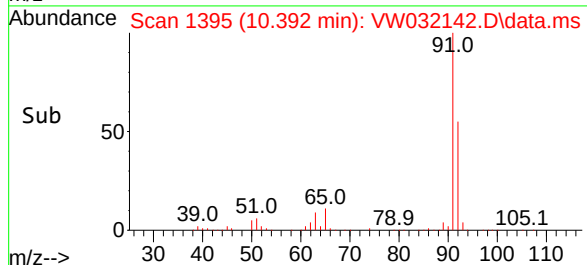
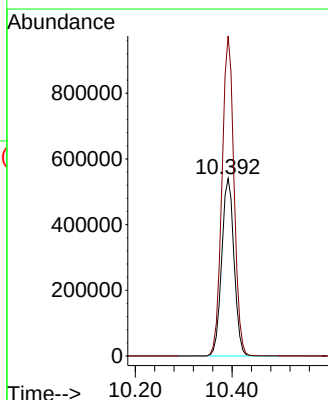
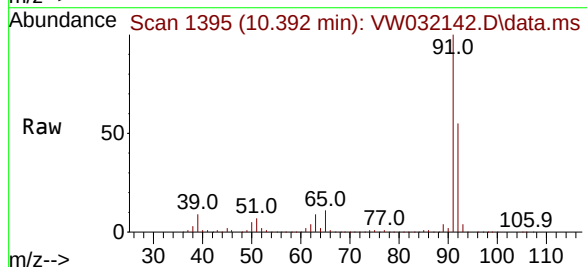
Manual Integrations
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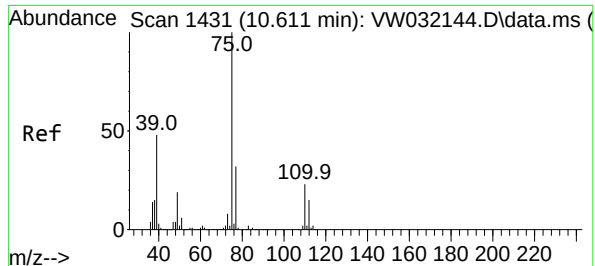
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 143.435 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

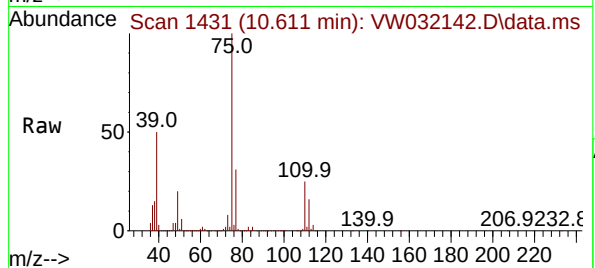
Tgt Ion: 92 Resp: 957220
Ion Ratio Lower Upper
92 100
91 175.9 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 160.564 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

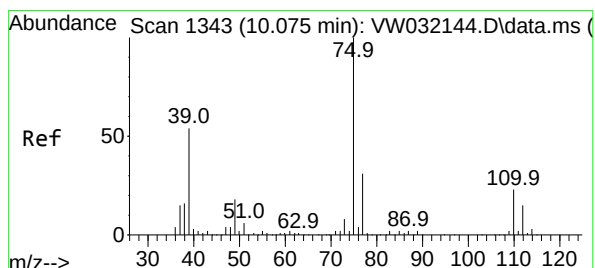
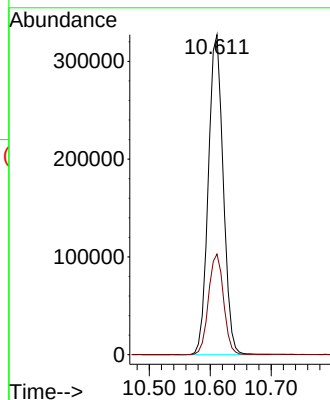
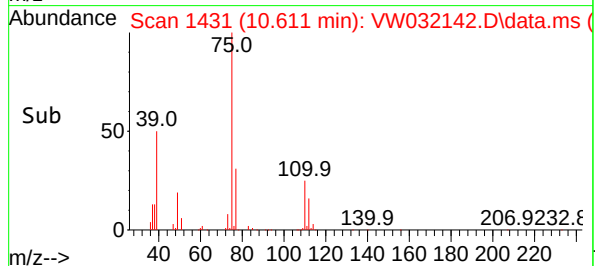
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 555802
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

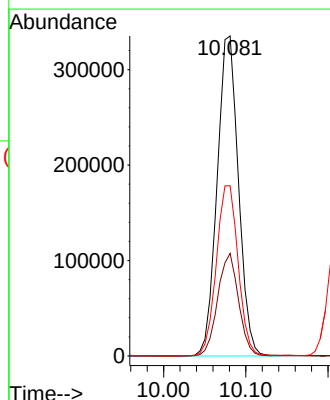
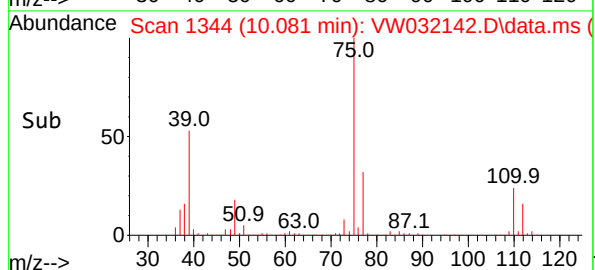
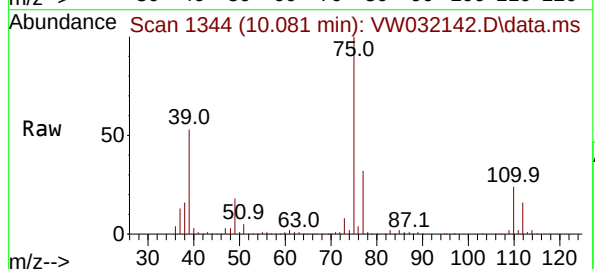
Manual Integrations
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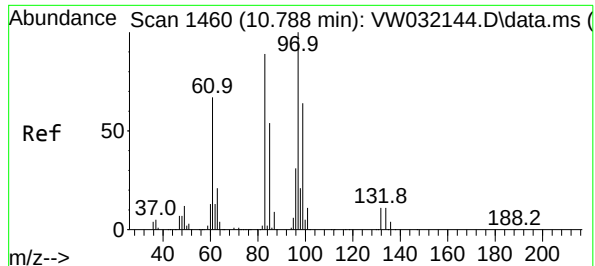
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#54
cis-1,3-Dichloropropene
Concen: 153.074 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 75 Resp: 604600
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 53.1 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 144.392 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 324215

Ion Ratio Lower Upper

97 100

83 85.5 71.0 106.6

85 52.0 42.8 64.2

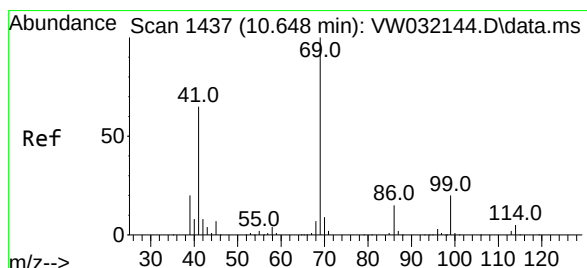
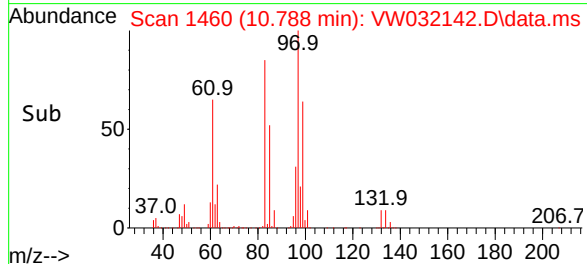
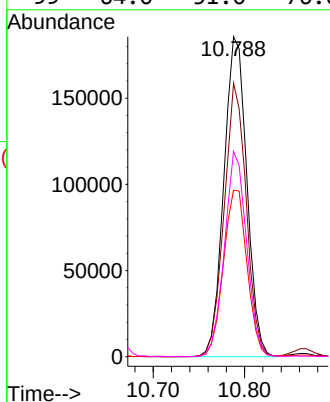
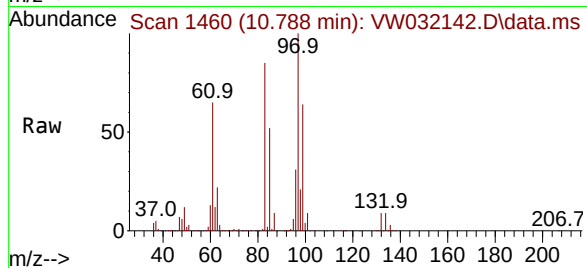
99 64.0 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 165.894 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

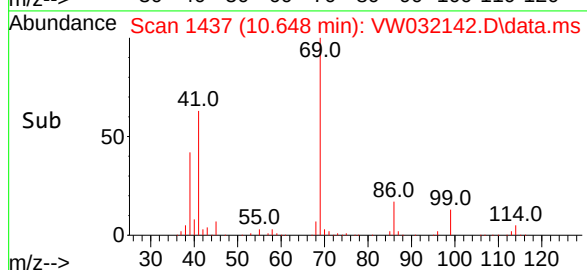
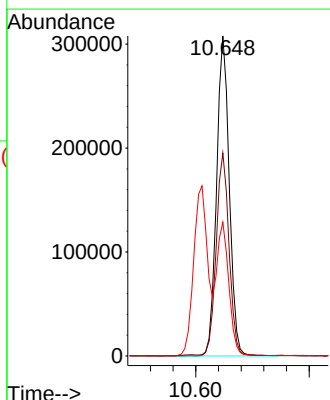
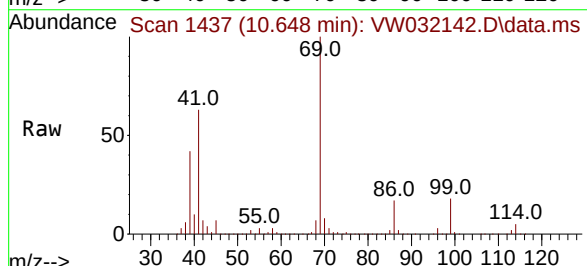
Tgt Ion: 69 Resp: 476215

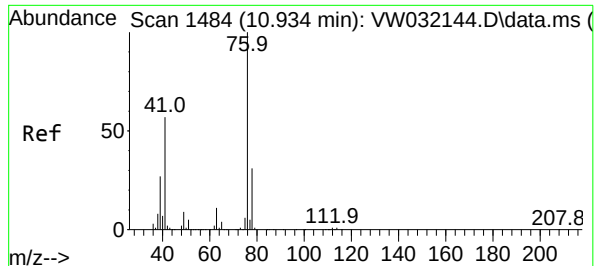
Ion Ratio Lower Upper

69 100

41 63.9 53.2 79.8

39 39.7 32.9 49.3





#57

1,3-Dichloropropane

Concen: 144.209 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 542178

Ion Ratio Lower Upper

76 100

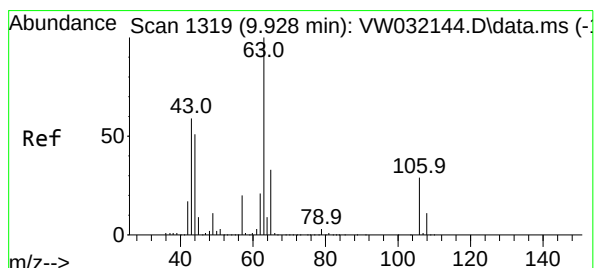
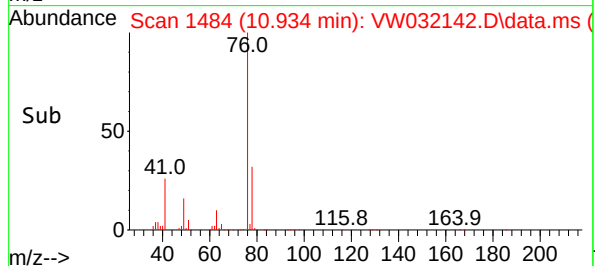
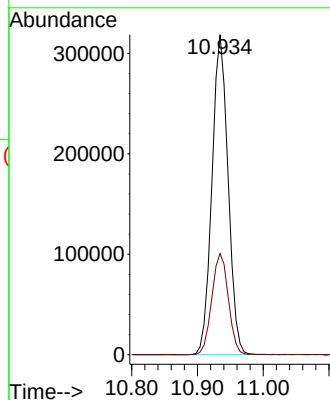
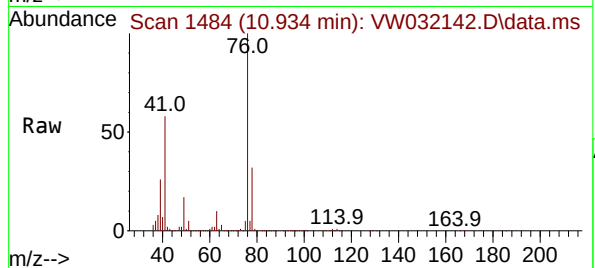
78 32.5 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#58

2-Chloroethyl Vinyl ether

Concen: 825.160 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032142.D

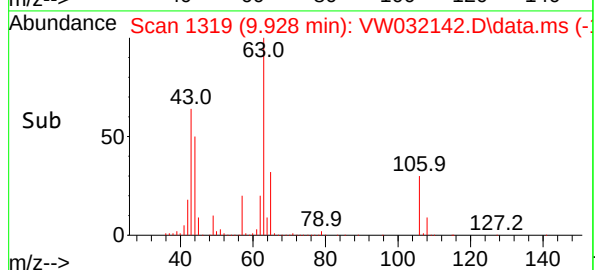
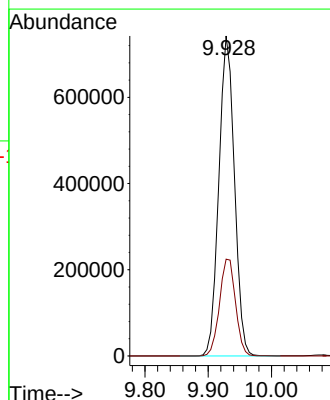
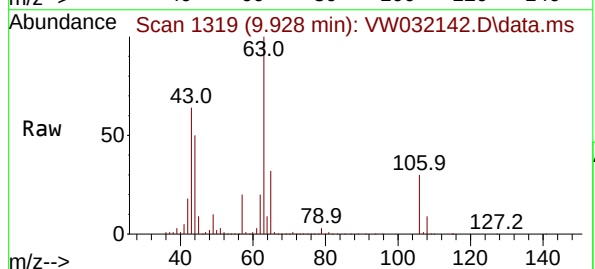
Acq: 26 Aug 2025 11:51

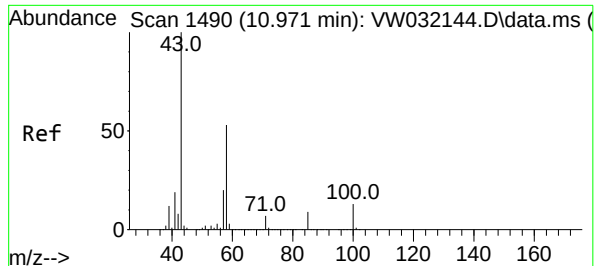
Tgt Ion: 63 Resp: 1264307

Ion Ratio Lower Upper

63 100

106 31.1 24.3 36.5





#59

2-Hexanone

Concen: 789.253 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 115238

Ion Ratio Lower Upper

43 100

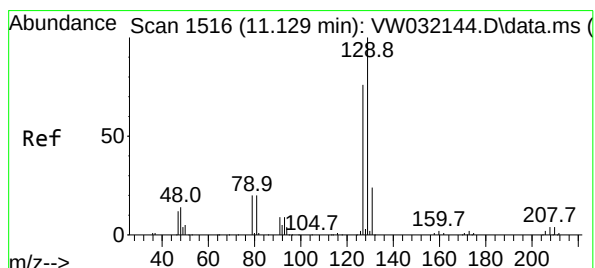
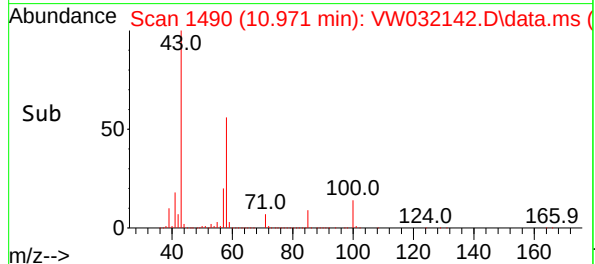
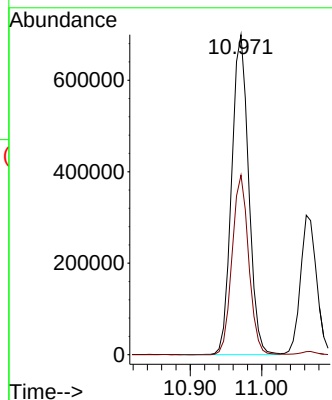
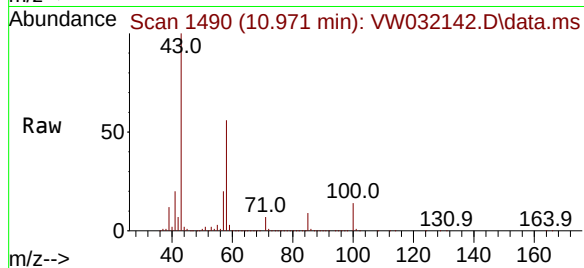
58 54.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 150.438 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032142.D

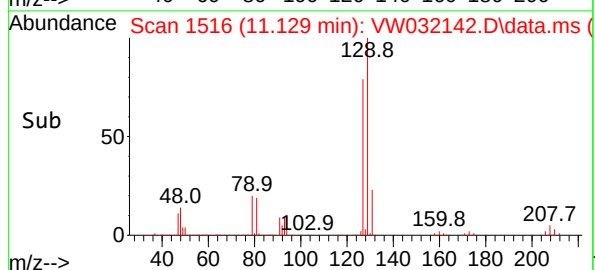
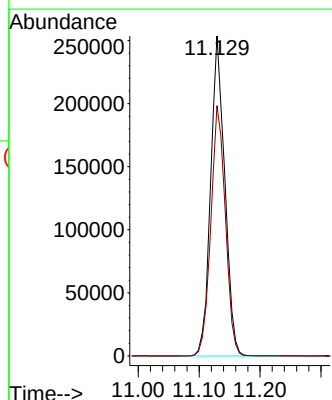
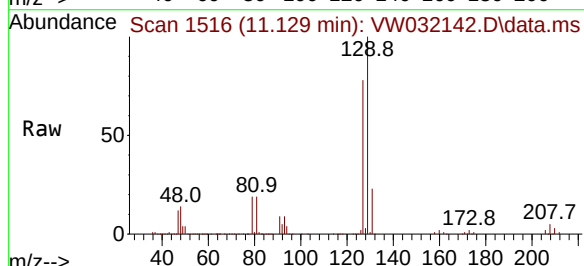
Acq: 26 Aug 2025 11:51

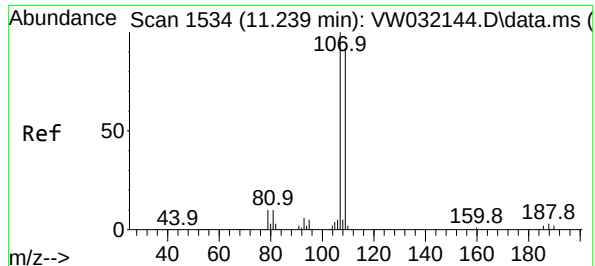
Tgt Ion:129 Resp: 408737

Ion Ratio Lower Upper

129 100

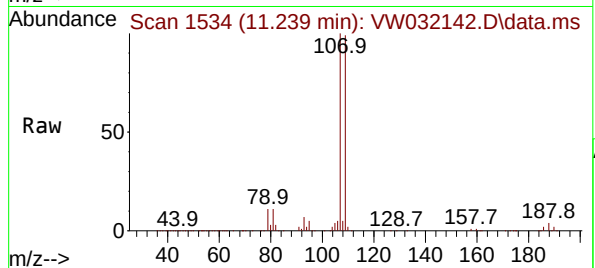
127 80.3 38.1 114.5





#61
1,2-Dibromoethane
Concen: 149.669 ug/l
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

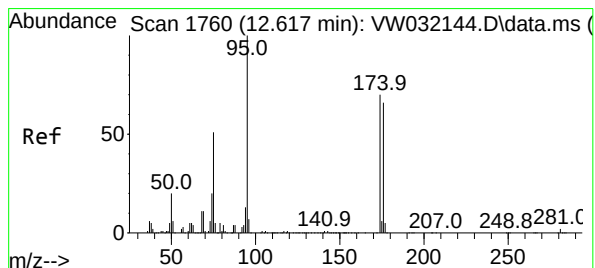
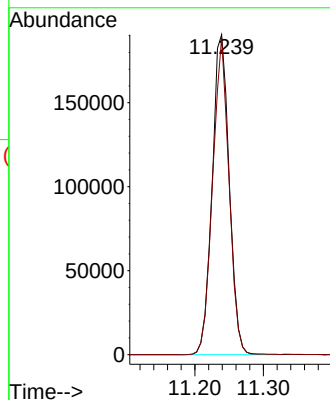
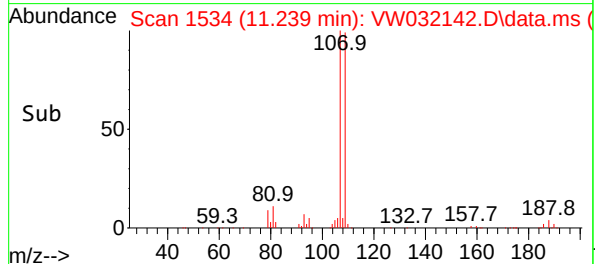
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 330479
Ion Ratio Lower Upper
107 100
109 94.5 74.5 111.7

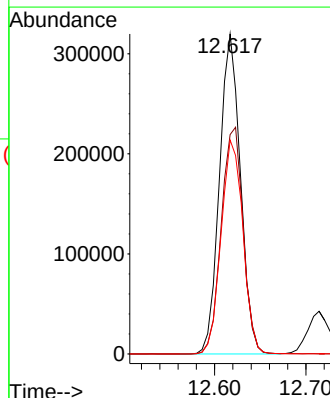
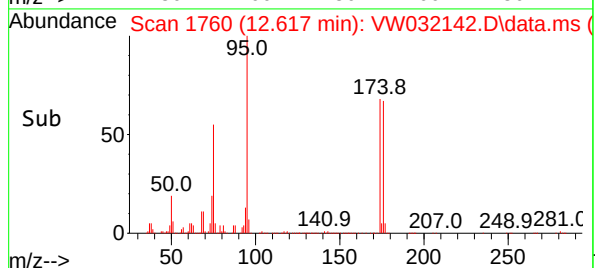
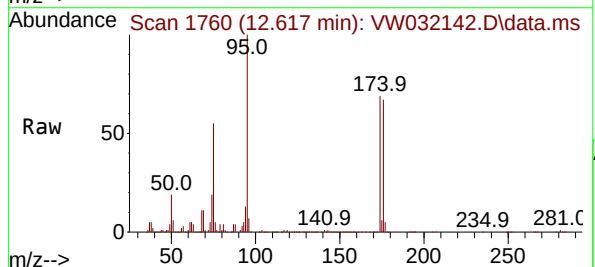
Manual Integrations
APPROVED

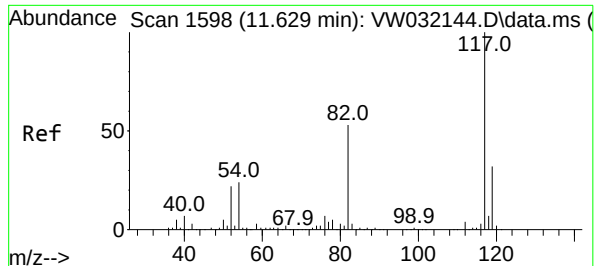
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#62
4-Bromofluorobenzene
Concen: 154.039 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

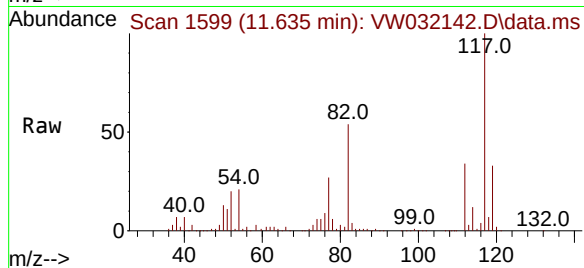
Tgt Ion: 95 Resp: 509512
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.6
176 69.8 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

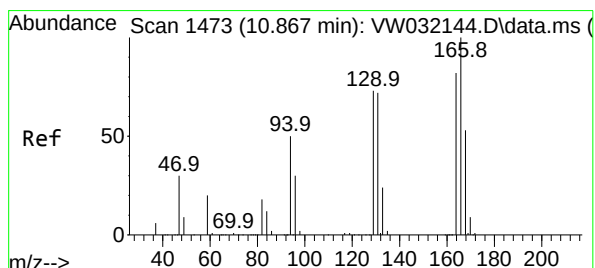
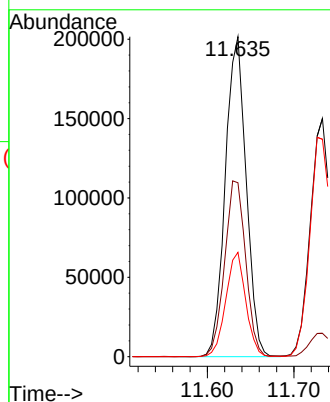
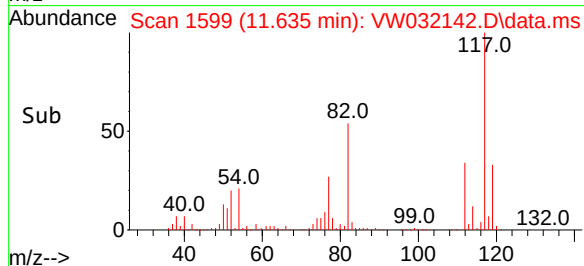
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 337599
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 32.6 25.2 37.8

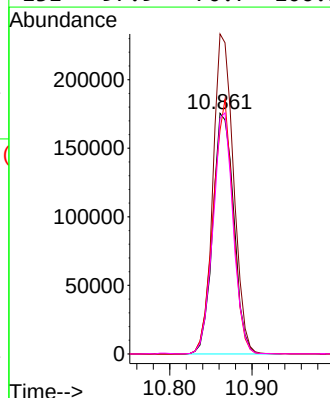
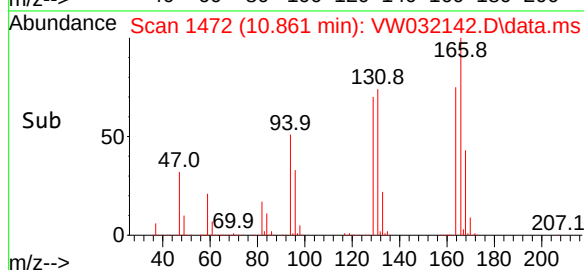
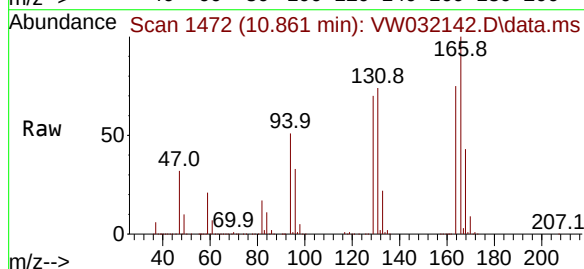
Manual Integrations
APPROVED

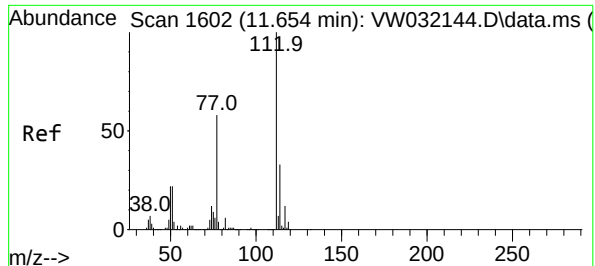
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#64
Tetrachloroethene
Concen: 140.272 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

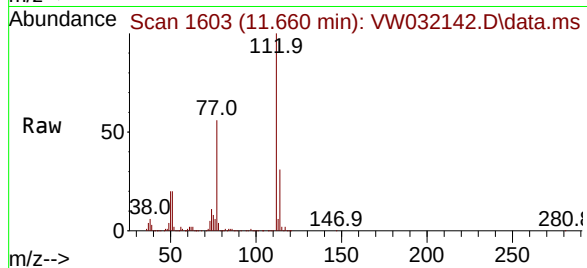
Tgt Ion:164 Resp: 311674
Ion Ratio Lower Upper
164 100
166 133.0 97.5 146.3
129 93.1 71.2 106.8
131 97.9 70.7 106.1





#65
Chlorobenzene
Concen: 140.873 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

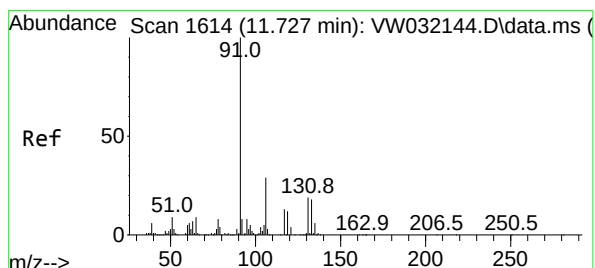
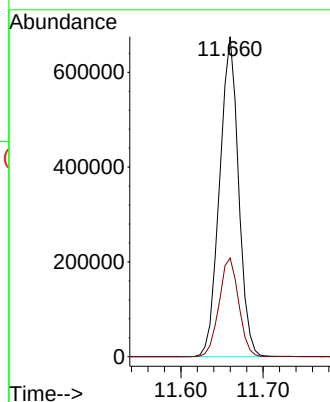
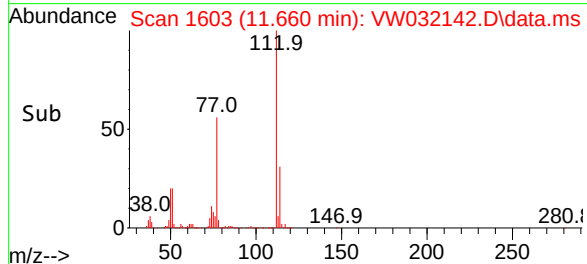
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:112 Resp: 108249
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0

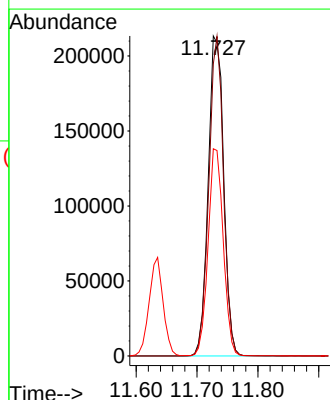
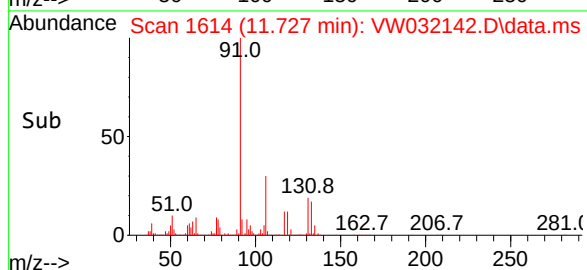
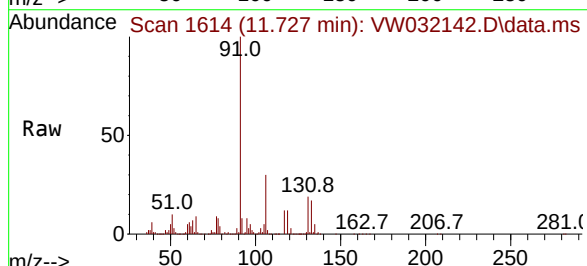
Manual Integrations
APPROVED

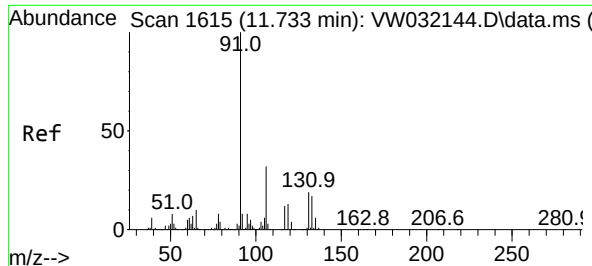
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 148.901 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion:131 Resp: 376695
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 63.5 32.8 98.3





#67

Ethyl Benzene

Concen: 149.806 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1886049

Ion Ratio Lower Upper

91 100

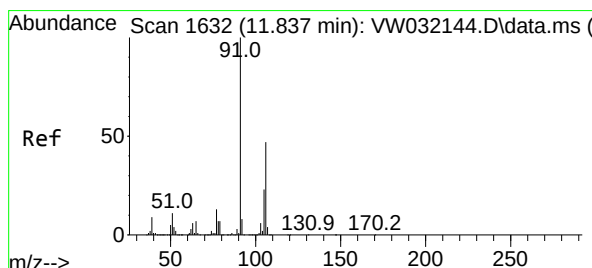
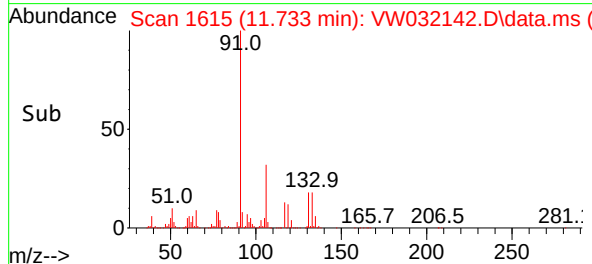
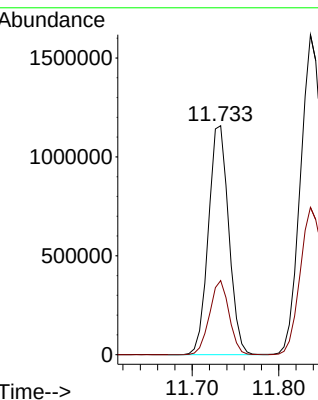
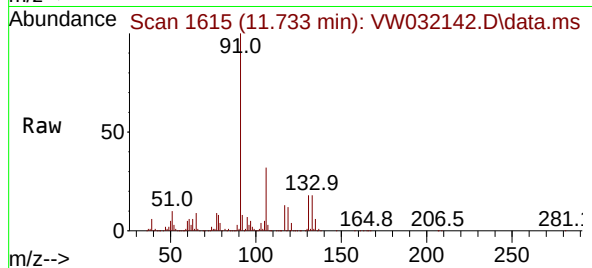
106 32.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 292.350 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032142.D

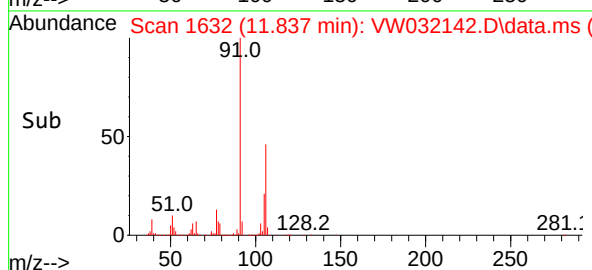
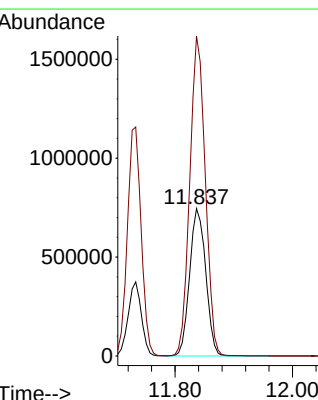
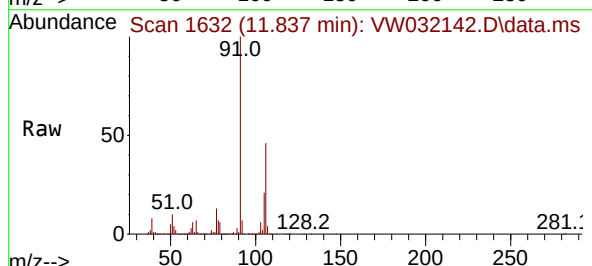
Acq: 26 Aug 2025 11:51

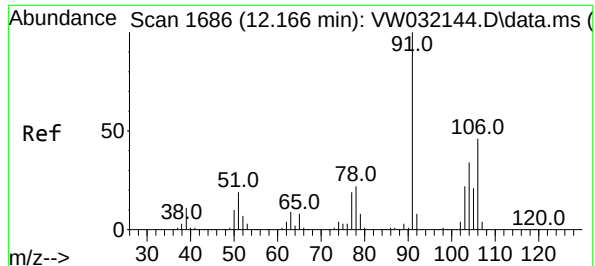
Tgt Ion:106 Resp: 1416558

Ion Ratio Lower Upper

106 100

91 209.9 164.2 246.2





#69

o-Xylene

Concen: 154.451 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:106 Resp: 70788

Ion Ratio Lower Upper

106 100

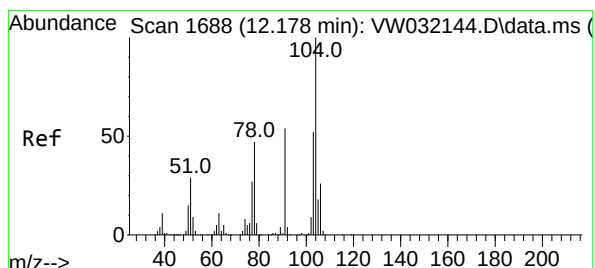
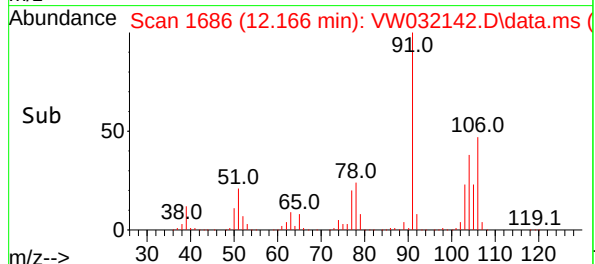
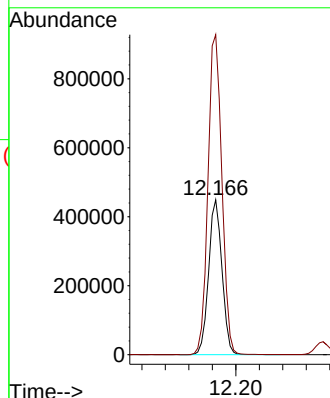
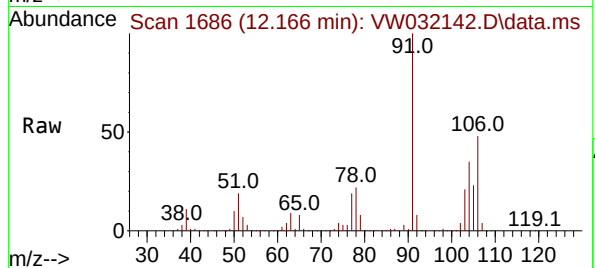
91 214.6 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 153.051 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

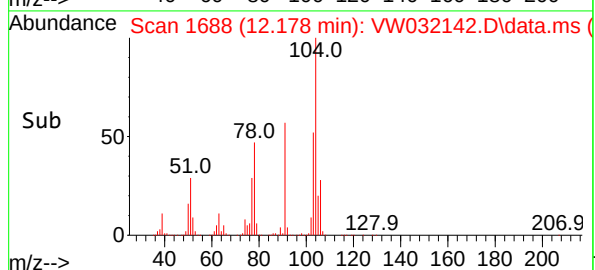
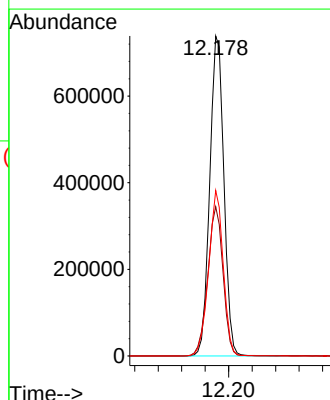
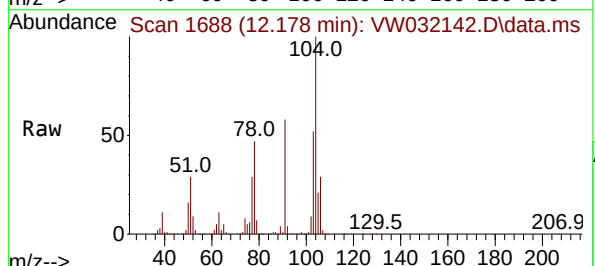
Tgt Ion:104 Resp: 1236547

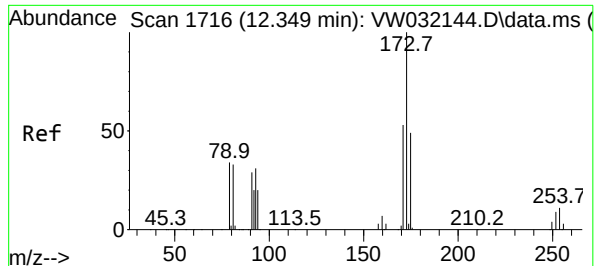
Ion Ratio Lower Upper

104 100

78 50.4 41.6 62.4

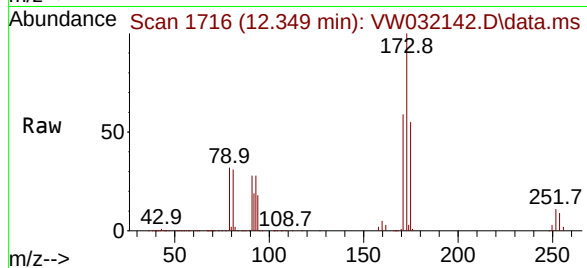
103 53.3 44.8 67.2





#71
Bromoform
Concen: 160.118 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

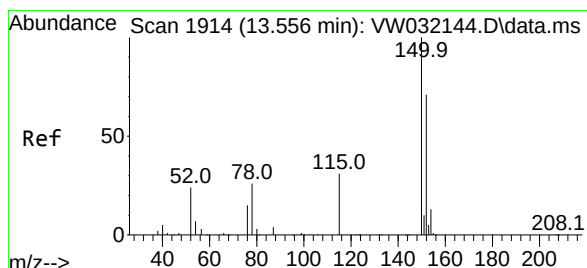
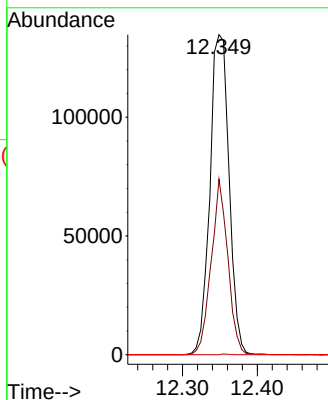
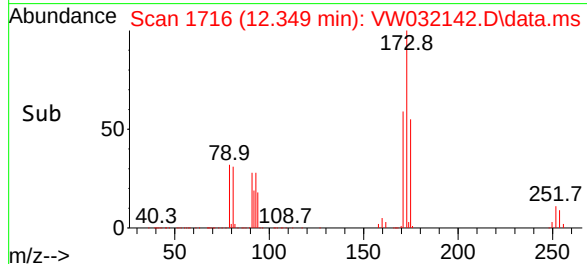
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



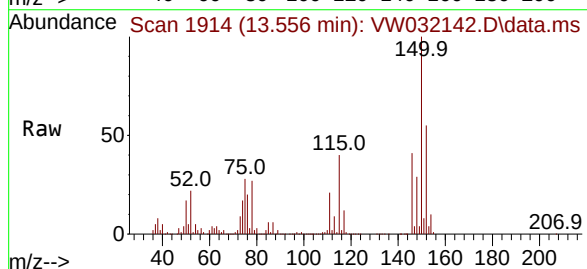
Tgt Ion:173 Resp: 240584
Ion Ratio Lower Upper
173 100
175 47.6 24.9 74.7
254 0.1 0.2 0.2

Manual Integrations
APPROVED

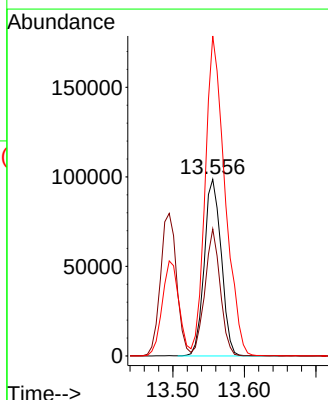
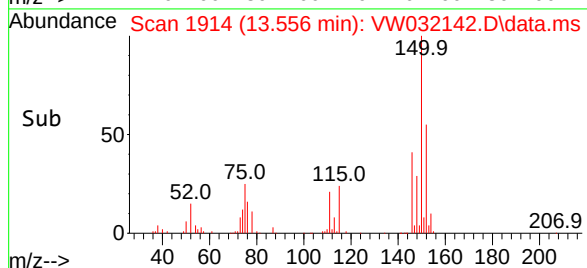
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

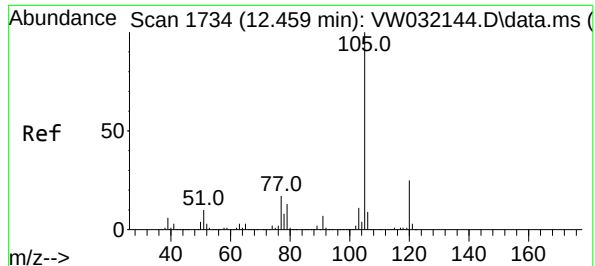


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51



Tgt Ion:152 Resp: 162485
Ion Ratio Lower Upper
152 100
115 64.5 31.8 95.4
150 210.7 0.0 343.0





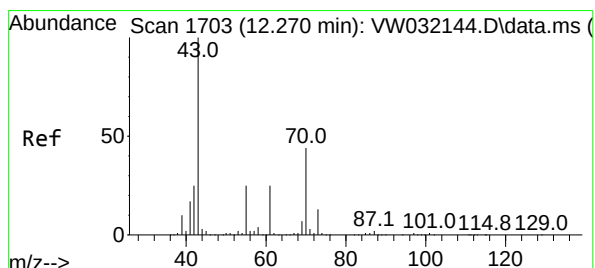
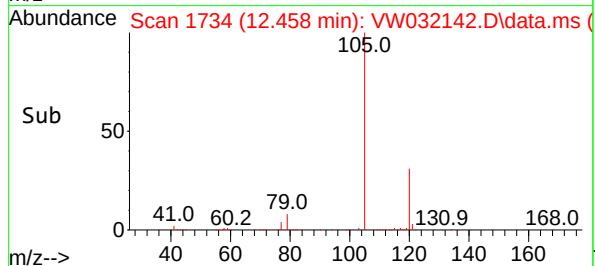
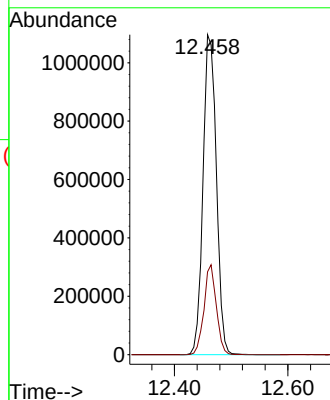
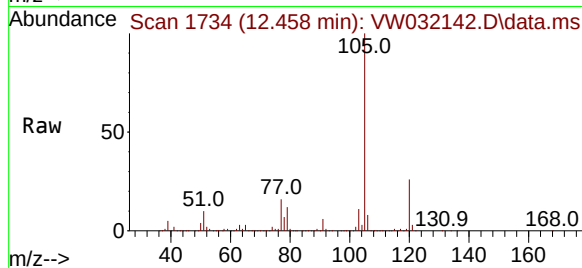
#73
Isopropylbenzene
Concen: 161.883 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 178697
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9

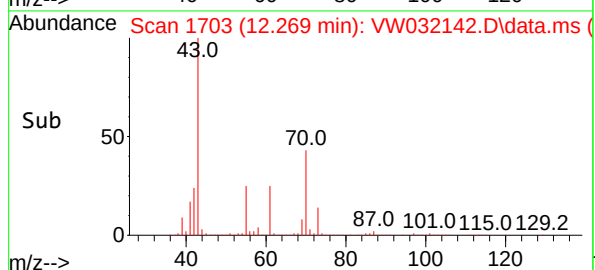
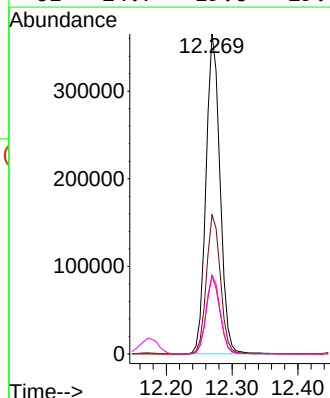
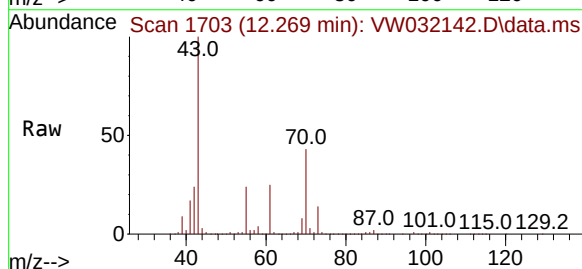
Manual Integrations
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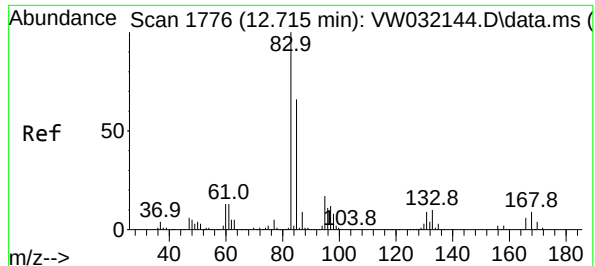
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#74
N-ethyl acetate
Concen: 169.156 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 43 Resp: 542121
Ion Ratio Lower Upper
43 100
70 43.7 35.3 52.9
55 24.1 19.9 29.9
61 24.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 153.706 ug/l

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 403220

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

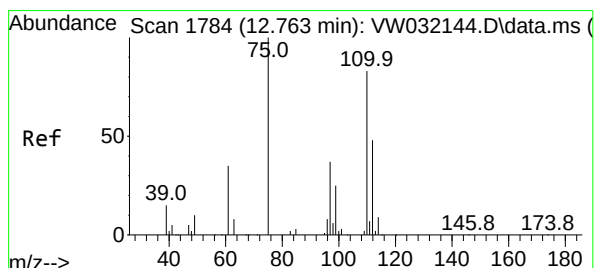
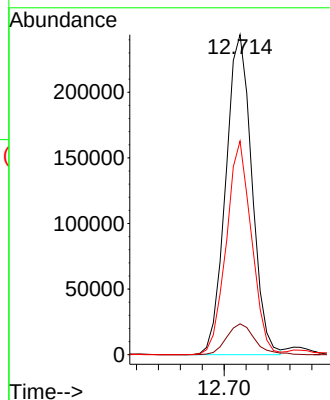
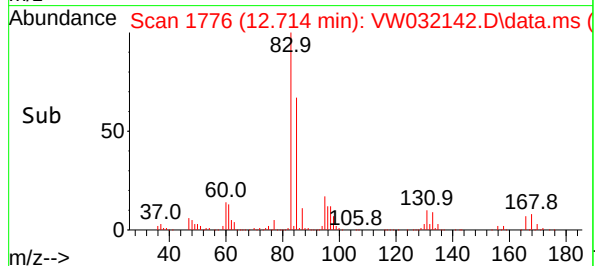
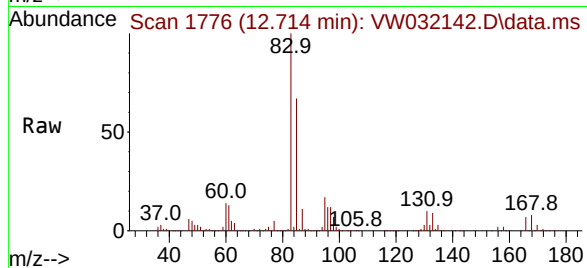
85 64.4 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#76

1,2,3-Trichloropropane

Concen: 141.263 ug/l m

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW032142.D

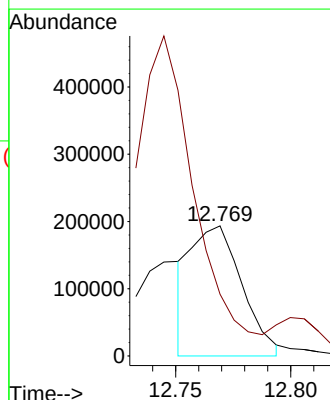
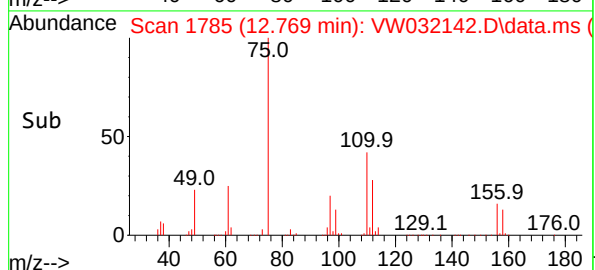
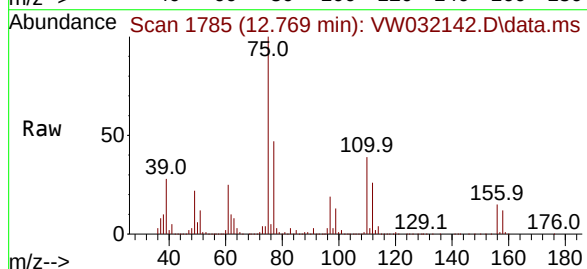
Acq: 26 Aug 2025 11:51

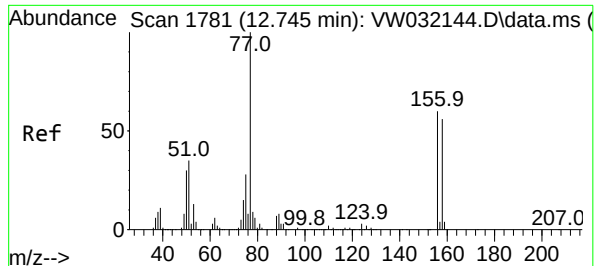
Tgt Ion: 75 Resp: 297194

Ion Ratio Lower Upper

75 100

77 0.0 141.7 425.1#





#77

Bromobenzene

Concen: 156.481 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:156 Resp: 440488

Ion Ratio Lower Upper

156 100

77 198.5 98.6 295.7

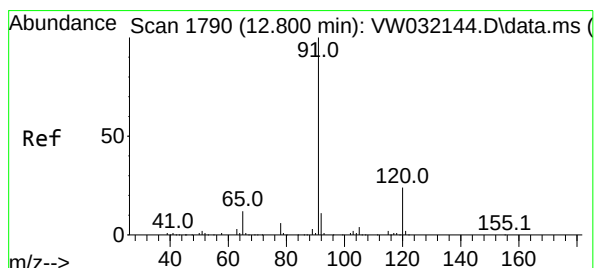
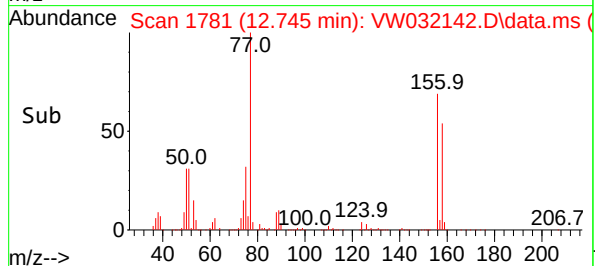
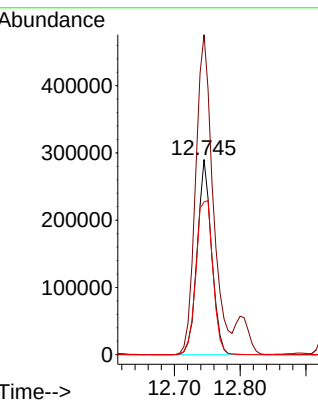
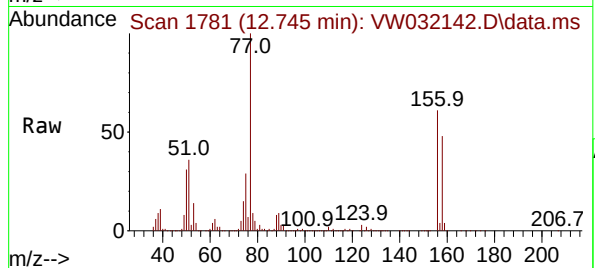
158 92.8 48.4 145.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#78

n-propylbenzene

Concen: 158.250 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032142.D

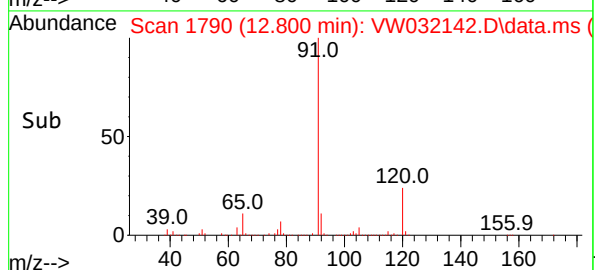
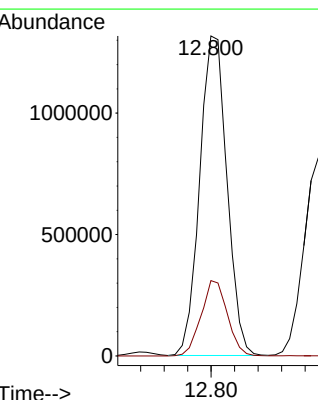
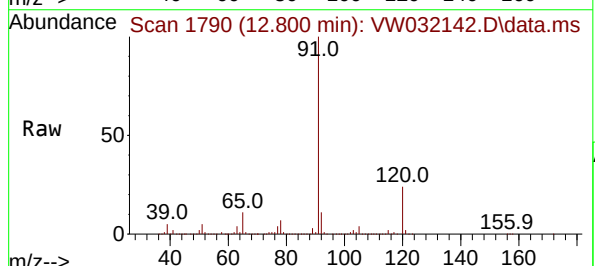
Acq: 26 Aug 2025 11:51

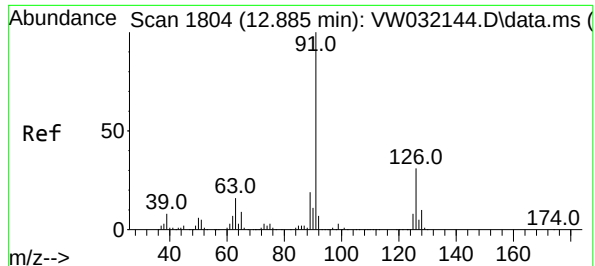
Tgt Ion: 91 Resp: 2120830

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.4





#79

2-Chlorotoluene

Concen: 156.618 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1283524

Ion Ratio Lower Upper

91 100

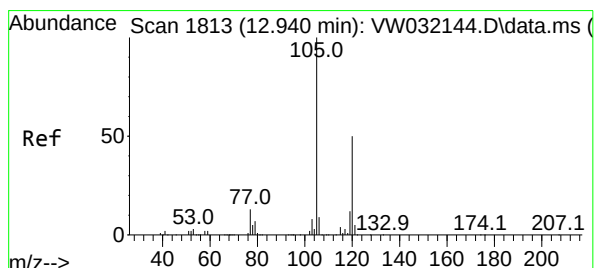
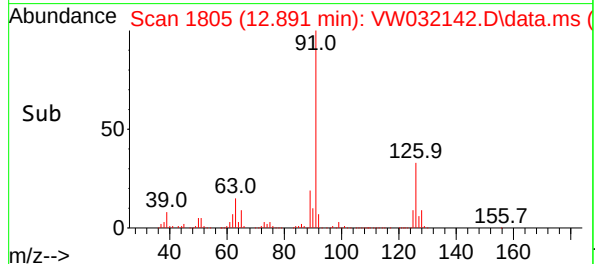
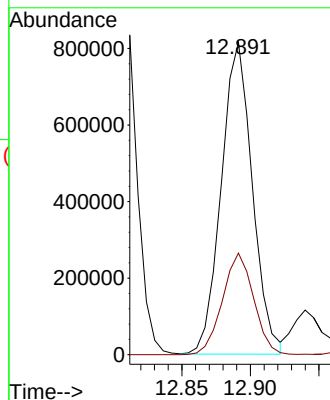
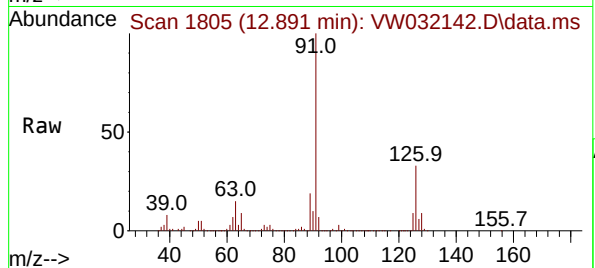
126 32.7 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 159.771 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032142.D

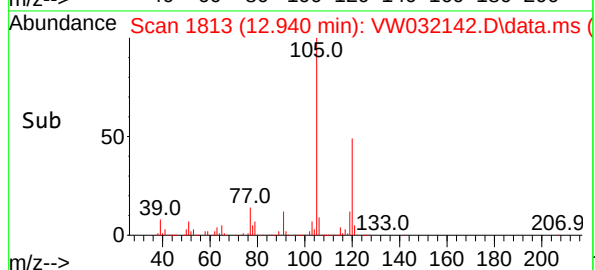
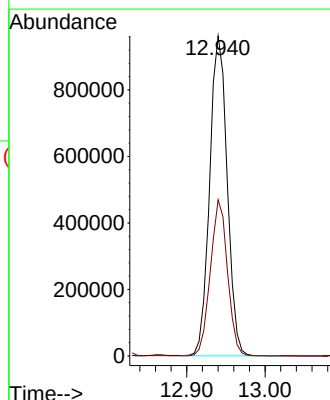
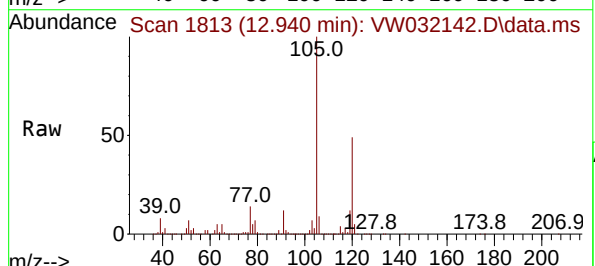
Acq: 26 Aug 2025 11:51

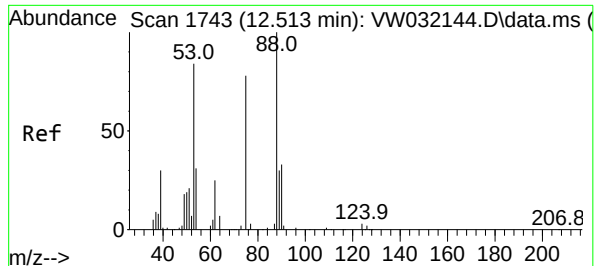
Tgt Ion:105 Resp: 1493220

Ion Ratio Lower Upper

105 100

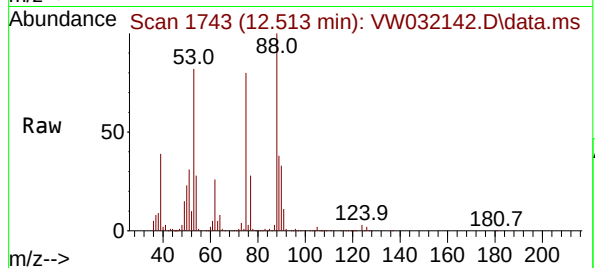
120 47.7 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 179.923 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

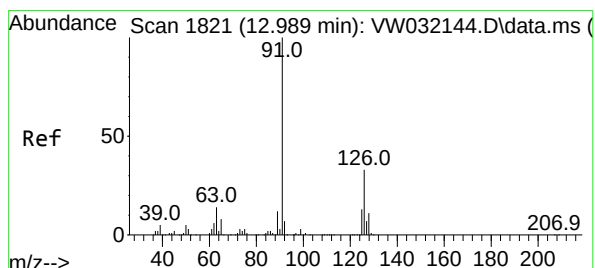
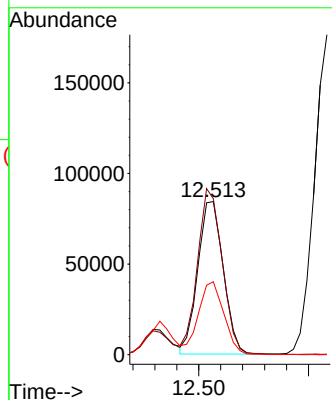
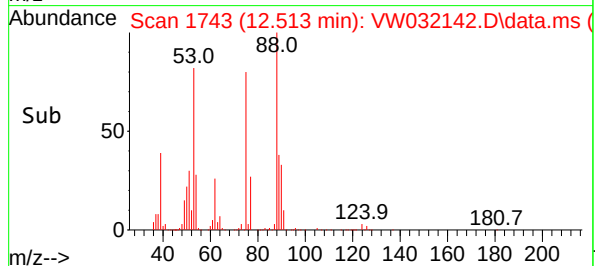
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 136029
Ion Ratio Lower Upper
75 100
53 106.1 91.0 136.6
89 48.2 39.4 59.2

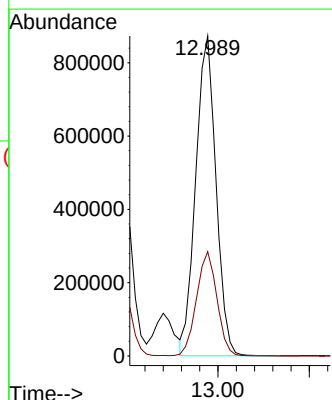
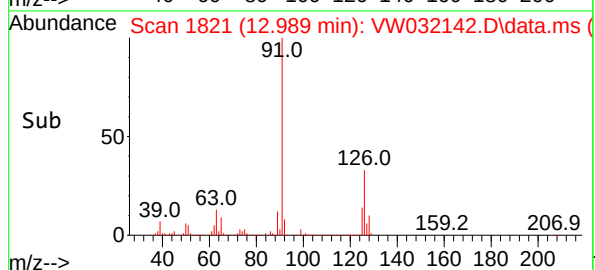
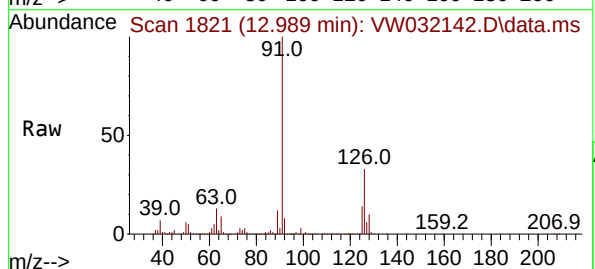
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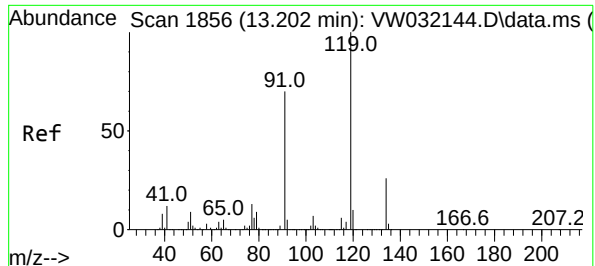
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 152.954 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

Tgt Ion: 91 Resp: 1341754
Ion Ratio Lower Upper
91 100
126 32.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 159.592 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032142.D

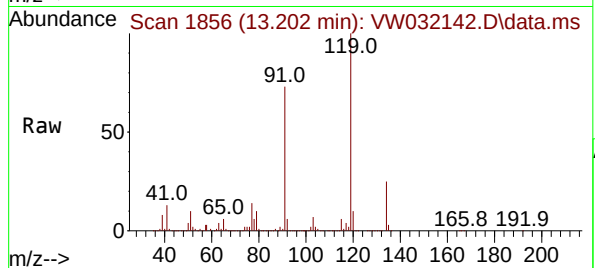
Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150



Tgt Ion:119 Resp: 126467

Ion Ratio Lower Upper

119 100

91 71.6 33.8 101.3

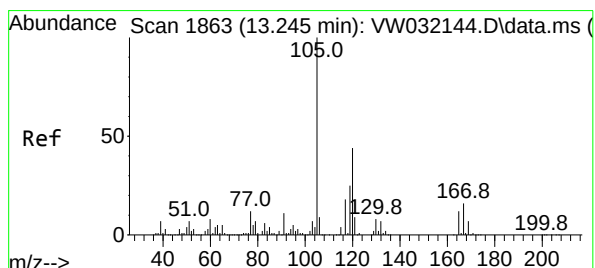
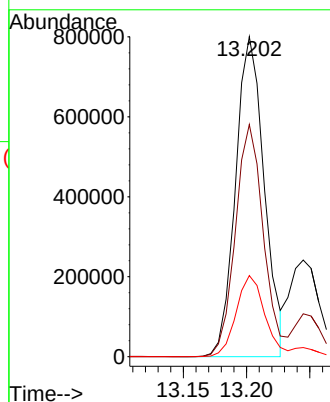
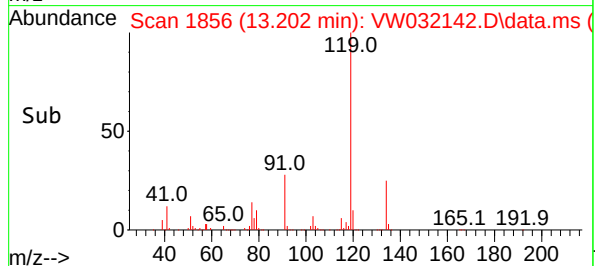
134 25.3 12.5 37.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

Concen: 158.090 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032142.D

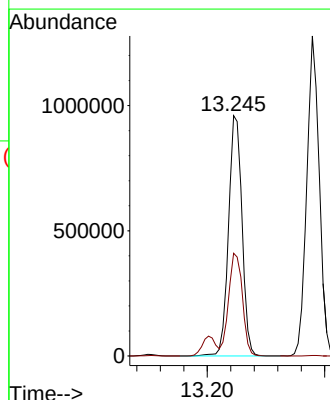
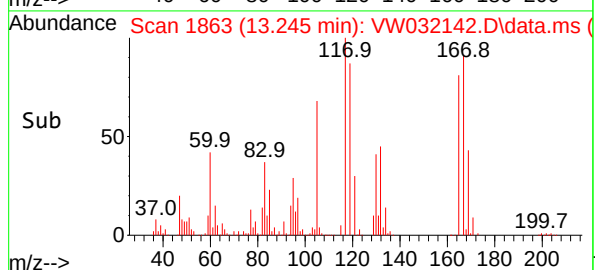
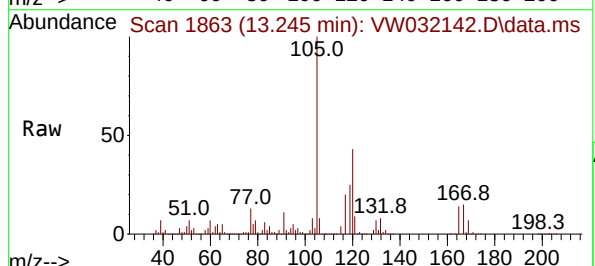
Acq: 26 Aug 2025 11:51

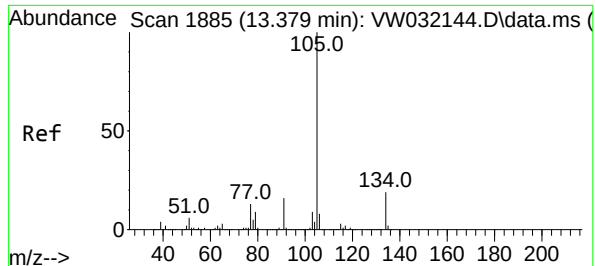
Tgt Ion:105 Resp: 1528604

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.3





#85

sec-Butylbenzene

Concen: 159.198 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 188354

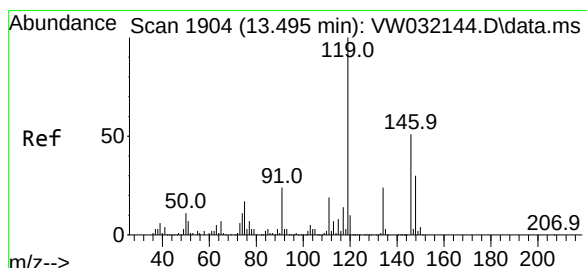
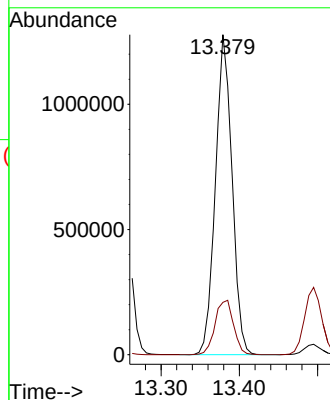
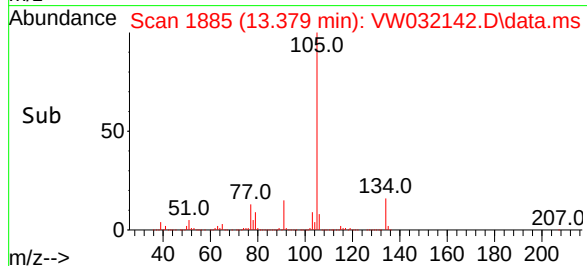
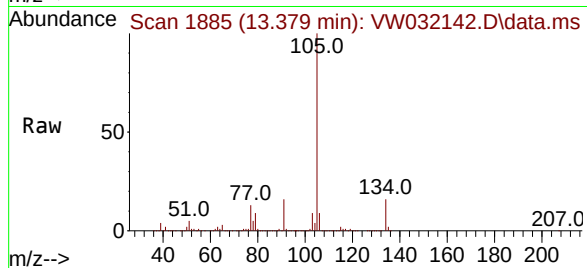
Ion Ratio Lower Upper

105 100

134 19.0 10.1 30.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#86

p-Isopropyltoluene

Concen: 159.424 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

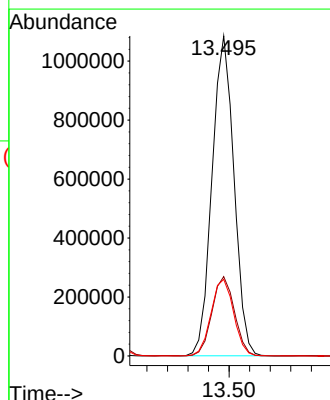
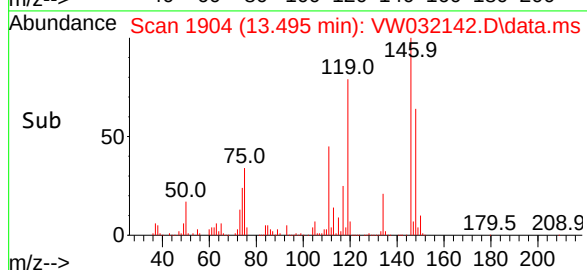
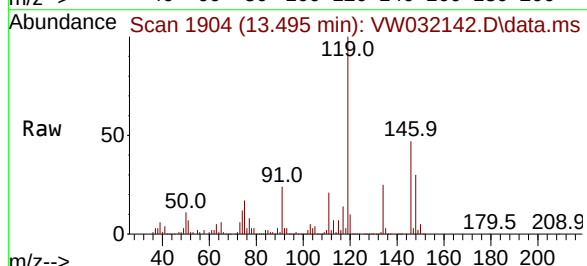
Tgt Ion:119 Resp: 1604066

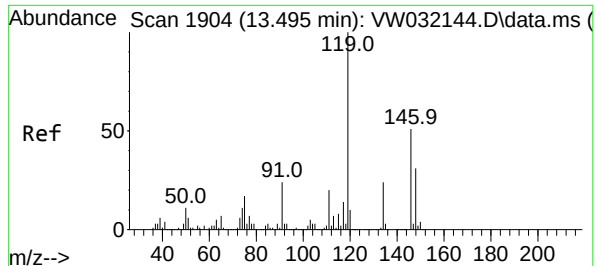
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 24.7 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 146.037 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 827718

Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.9

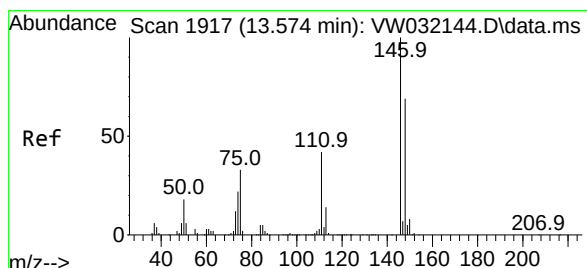
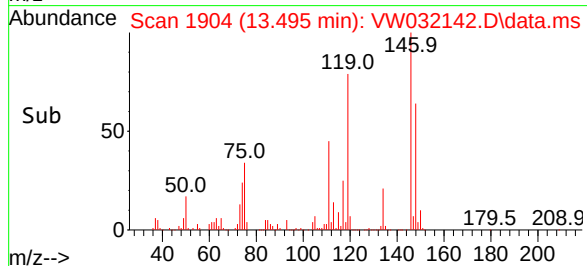
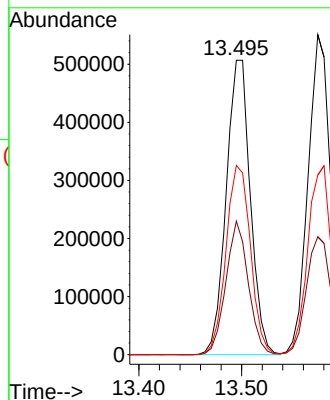
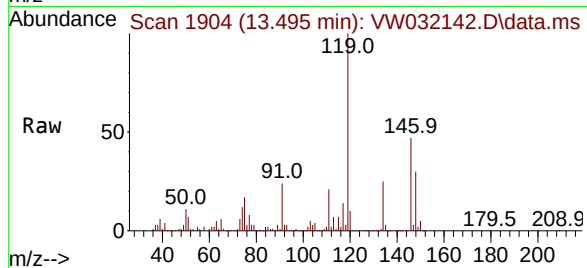
148 65.2 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 150.918 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

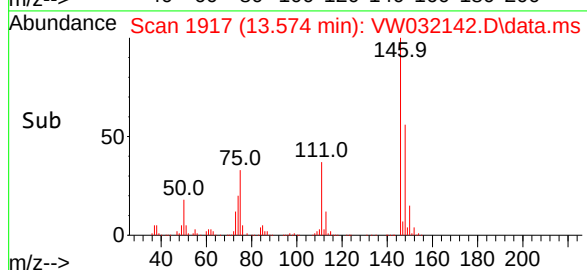
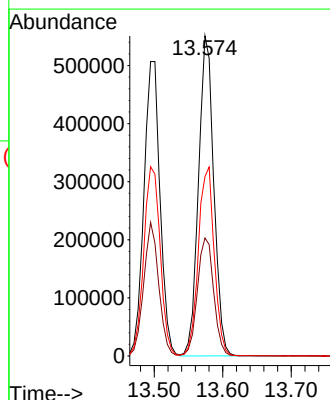
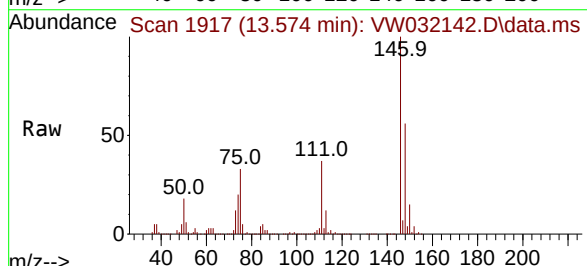
Tgt Ion:146 Resp: 857389

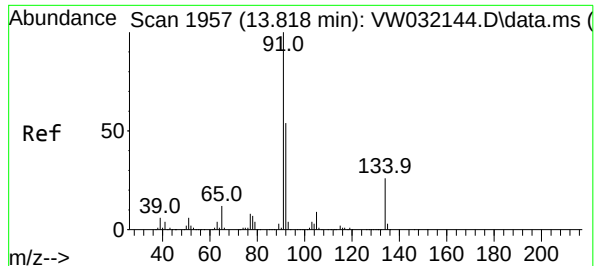
Ion Ratio Lower Upper

146 100

111 39.0 21.3 63.7

148 61.4 33.4 100.1





#89

n-Butylbenzene

Concen: 159.573 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1530720

Ion Ratio Lower Upper

91 100

92 53.4 27.0 81.0

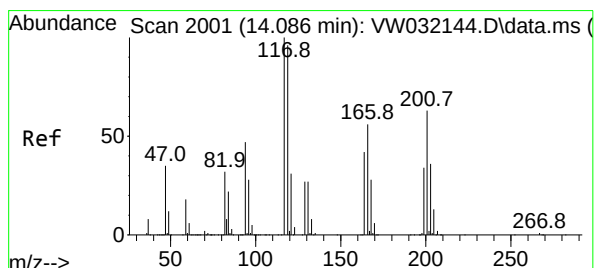
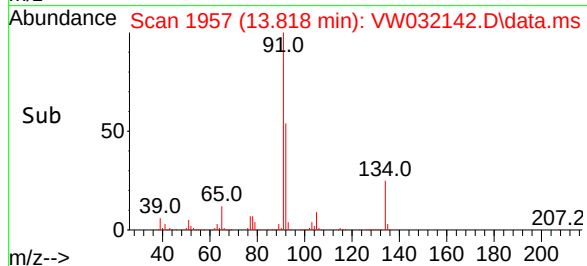
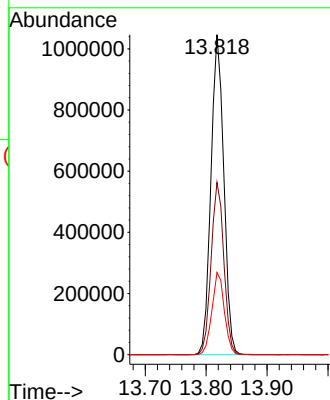
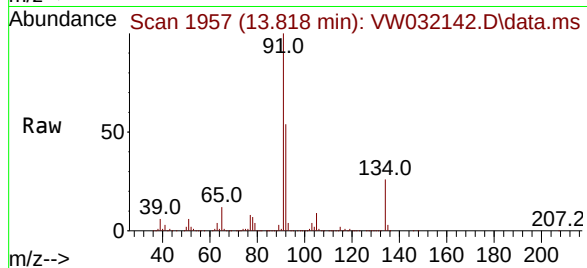
134 25.0 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 160.350 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032142.D

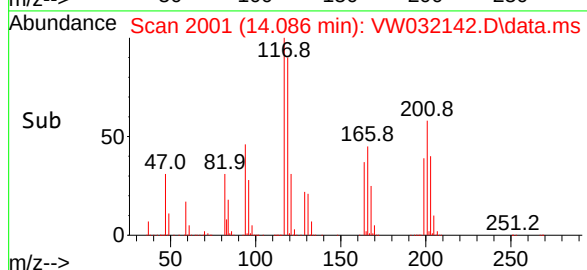
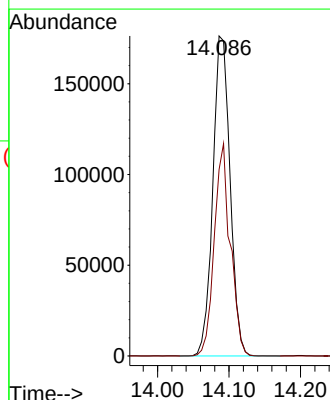
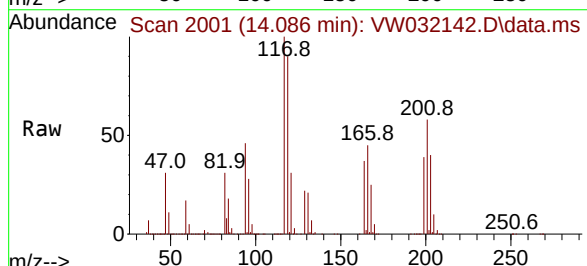
Acq: 26 Aug 2025 11:51

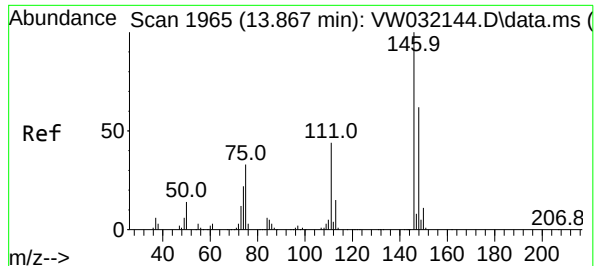
Tgt Ion:117 Resp: 295110

Ion Ratio Lower Upper

117 100

201 61.8 32.8 98.4





#91

1,2-Dichlorobenzene

Concen: 149.508 ug/l

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

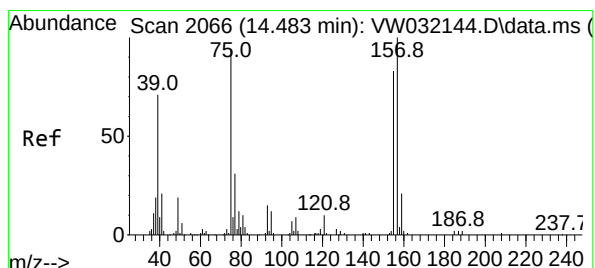
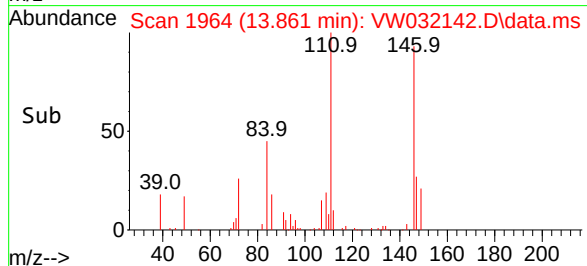
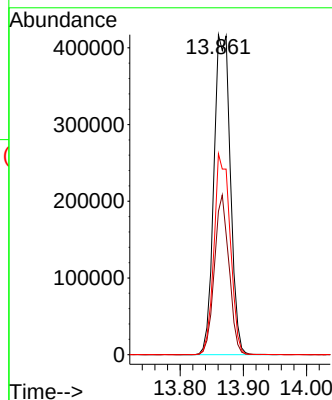
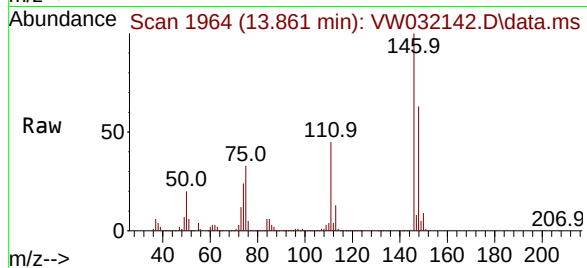
ClientSampleId :

VSTDICC150

Tgt Ion:	146	Resp:	750254
Ion	Ratio	Lower	Upper
146	100		
111	44.4	23.4	70.0
148	61.4	34.1	102.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 164.310 ug/l

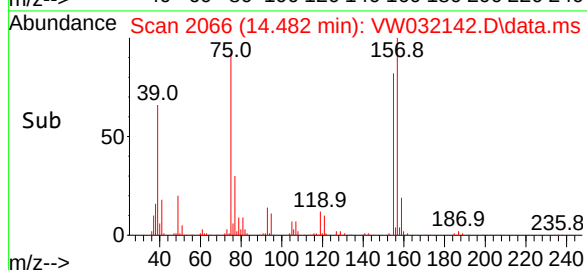
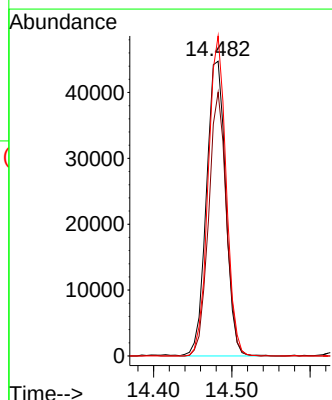
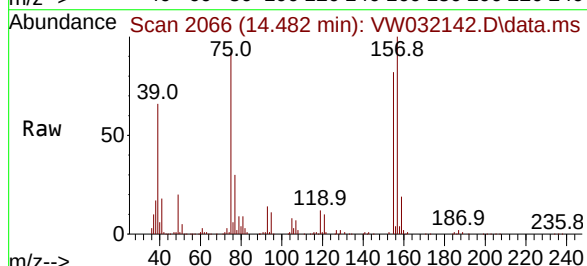
RT: 14.482 min Scan# 2066

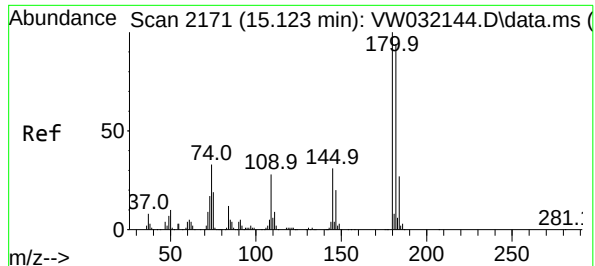
Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Tgt Ion:	75	Resp:	76149
Ion	Ratio	Lower	Upper
75	100		
155	82.4	40.8	122.5
157	101.2	51.8	155.4





#93

1,2,4-Trichlorobenzene

Concen: 154.301 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 49470

Ion Ratio Lower Upper

180 100

182 97.6 47.4 142.2

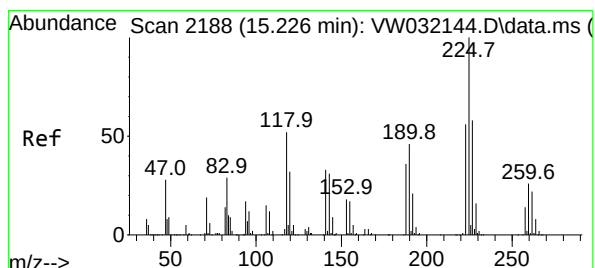
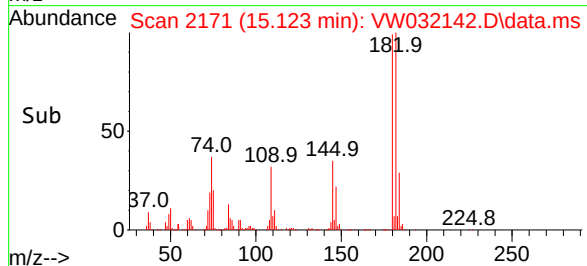
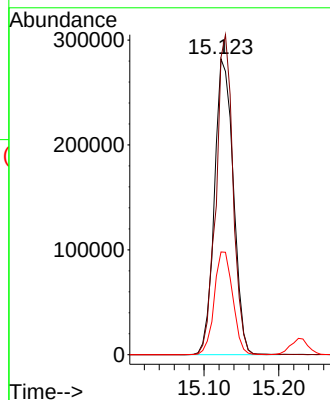
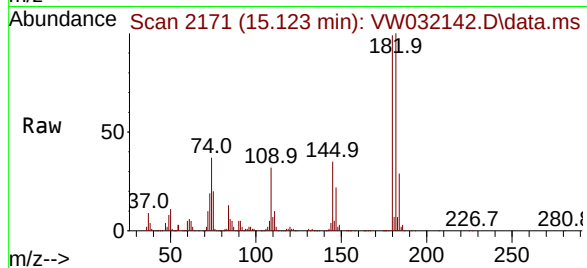
145 34.1 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 145.321 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032142.D

Acq: 26 Aug 2025 11:51

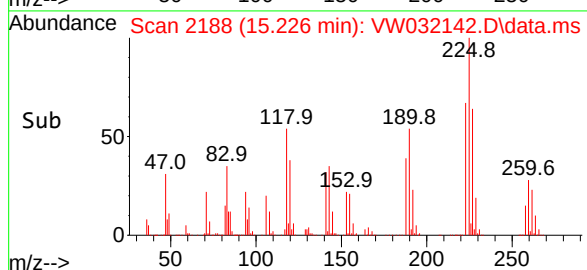
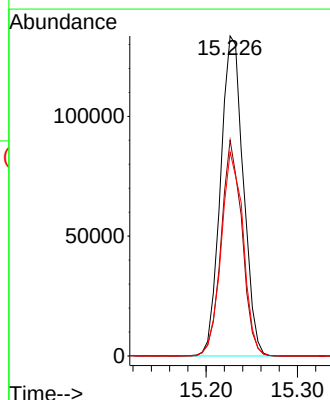
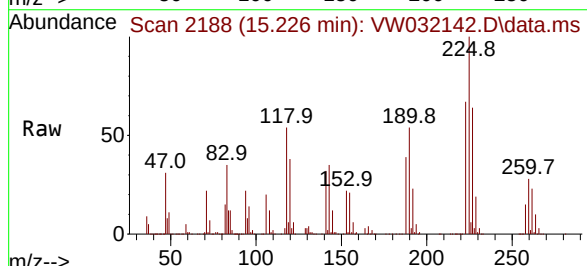
Tgt Ion:225 Resp: 231073

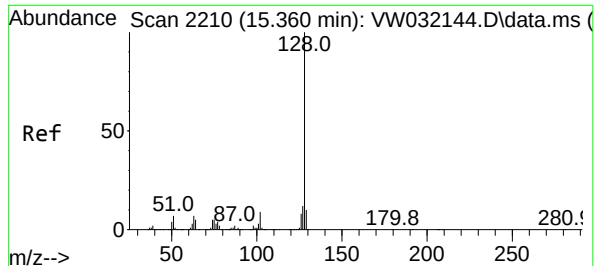
Ion Ratio Lower Upper

225 100

223 61.8 29.8 89.3

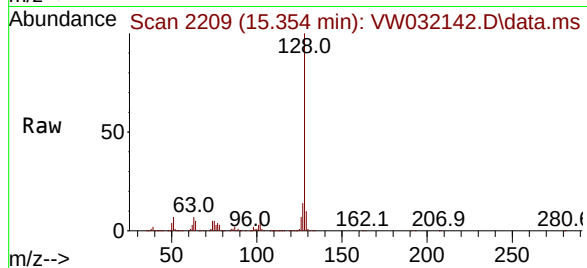
227 61.6 30.5 91.5





#95
Naphthalene
Concen: 169.618 ug/l
RT: 15.354 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51

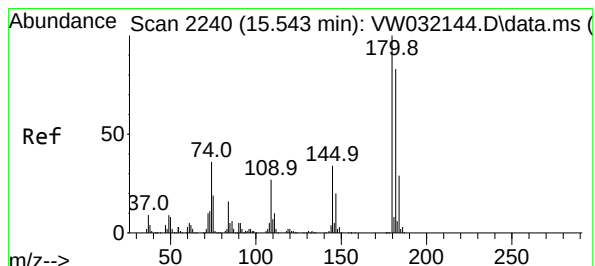
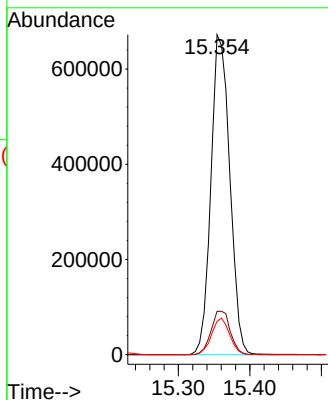
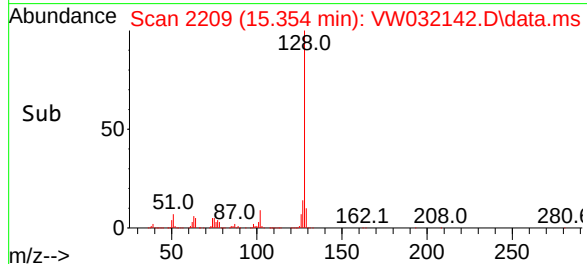
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150



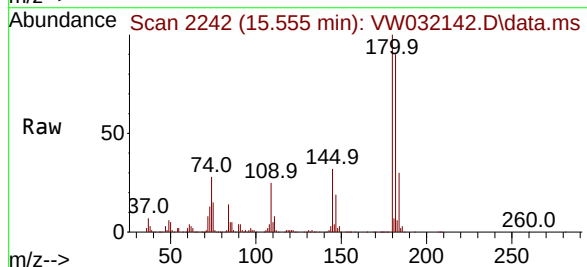
Tgt Ion:128 Resp: 1230735
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 11.0 8.4 12.6

Manual Integrations
APPROVED

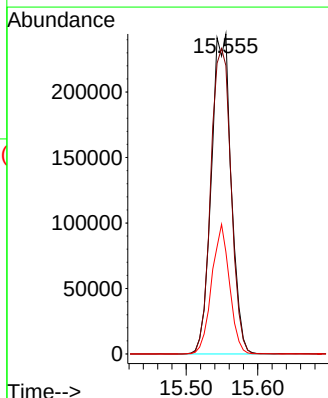
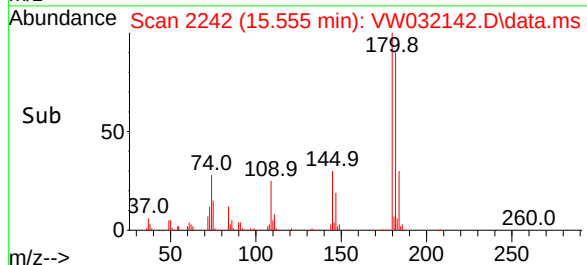
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.838 ug/l
RT: 15.555 min Scan# 2242
Delta R.T. 0.012 min
Lab File: VW032142.D
Acq: 26 Aug 2025 11:51



Tgt Ion:180 Resp: 470621
Ion Ratio Lower Upper
180 100
182 97.4 47.7 143.1
145 36.3 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032144.D
 Acq On : 26 Aug 2025 12:34
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 27 03:52:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	208118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	338131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	317089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162433	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	145059	48.737	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.480%
35) Dibromofluoromethane	7.904	113	121603	51.259	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.520%
50) Toluene-d8	10.325	98	446917	53.665	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.320%
62) 4-Bromofluorobenzene	12.617	95	165434	53.721	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.440%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	64903	47.235	ug/l	100
3) Chloromethane	2.253	50	70725	49.092	ug/l	100
4) Vinyl Chloride	2.405	62	92327	49.341	ug/l	100
5) Bromomethane	2.826	94	77836	46.581	ug/l	100
6) Chloroethane	2.972	64	65951	50.047	ug/l	100
7) Trichlorofluoromethane	3.308	101	100093	53.987	ug/l	100
8) Diethyl Ether	3.716	74	66743	48.239	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	105179	50.359	ug/l	100
10) Methyl Iodide	4.314	142	155738	48.971	ug/l	100
11) Tert butyl alcohol	5.222	59	45982	252.570	ug/l	100
12) 1,1-Dichloroethene	4.076	96	111585	50.731	ug/l	100
13) Acrolein	3.930	56	69005	246.578	ug/l	100
14) Allyl chloride	4.704	41	159912	51.183	ug/l	100
15) Acrylonitrile	5.405	53	170186	252.998	ug/l	100
16) Acetone	4.161	43	163328	253.381	ug/l	100
17) Carbon Disulfide	4.423	76	283127	51.465	ug/l	100
18) Methyl Acetate	4.710	43	107266	52.228	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	218656	52.643	ug/l	100
20) Methylene Chloride	4.960	84	133315	50.616	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	126813	51.610	ug/l	100
22) Diisopropyl ether	6.344	45	356506	52.428	ug/l	100
23) Vinyl Acetate	6.283	43	1224420	264.840	ug/l	100
24) 1,1-Dichloroethane	6.246	63	229381	51.526	ug/l	100
25) 2-Butanone	7.191	43	235692	258.036	ug/l	100
26) 2,2-Dichloropropane	7.185	77	126530	53.672	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	153797	51.438	ug/l	100
28) Bromochloromethane	7.533	49	101158	49.639	ug/l	100
29) Tetrahydrofuran	7.551	42	148114	255.176	ug/l	100
30) Chloroform	7.697	83	260062	51.166	ug/l	100
31) Cyclohexane	7.971	56	179436	49.109	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	190783	51.420	ug/l	100
36) 1,1-Dichloropropene	8.100	75	171538	55.769	ug/l	100
37) Ethyl Acetate	7.277	43	99961	54.174	ug/l	100
38) Carbon Tetrachloride	8.087	117	184303	55.894	ug/l	100
39) Methylcyclohexane	9.343	83	208587	57.253	ug/l	100
40) Benzene	8.337	78	515814	54.251	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032144.D
 Acq On : 26 Aug 2025 12:34
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:52:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	53321	52.013	ug/l	100
42) 1,2-Dichloroethane	8.410	62	177239	53.773	ug/l	100
43) Isopropyl Acetate	8.435	43	190866	55.138	ug/l	100
44) Trichloroethene	9.099	130	126501	52.906	ug/l	100
45) 1,2-Dichloropropane	9.374	63	125073	54.569	ug/l	100
46) Dibromomethane	9.465	93	84274	52.422	ug/l	100
47) Bromodichloromethane	9.648	83	200589	54.907	ug/l	100
48) Methyl methacrylate	9.441	41	91758	57.519	ug/l	100
49) 1,4-Dioxane	9.459	88	21076	1085.077	ug/l	100
51) 4-Methyl-2-Pentanone	10.215	43	535156	273.793	ug/l	100
52) Toluene	10.392	92	341497	54.963	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	181844	56.425	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	207161	56.335	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	108836	52.063	ug/l	100
56) Ethyl methacrylate	10.648	69	153187	57.318	ug/l	100
57) 1,3-Dichloropropane	10.934	76	186943	53.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	376622	264.017	ug/l	100
59) 2-Hexanone	10.971	43	377468	277.678	ug/l	100
60) Dibromochloromethane	11.129	129	140114	55.391	ug/l	100
61) 1,2-Dibromoethane	11.239	107	112526	54.737	ug/l	100
64) Tetrachloroethene	10.867	164	111948	53.642	ug/l	100
65) Chlorobenzene	11.654	112	377306	52.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127123	53.499	ug/l	100
67) Ethyl Benzene	11.733	91	642673	54.348	ug/l	100
68) m/p-Xylenes	11.837	106	505883	111.156	ug/l	100
69) o-Xylene	12.166	106	238390	55.377	ug/l	100
70) Styrene	12.178	104	419791	55.319	ug/l	100
71) Bromoform	12.349	173	75279	53.341	ug/l	100
73) Isopropylbenzene	12.459	105	615287	55.757	ug/l	100
74) N-amyl acetate	12.270	43	173852	54.264	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	138219	52.705	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	103468m	49.196	ug/l	
77) Bromobenzene	12.745	156	153744	54.634	ug/l	100
78) n-propylbenzene	12.800	91	738788	55.144	ug/l	100
79) 2-Chlorotoluene	12.885	91	447910	54.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	521409	55.807	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	42218	55.859	ug/l	100
82) 4-Chlorotoluene	12.989	91	486529	55.480	ug/l	100
83) tert-Butylbenzene	13.202	119	459231	57.970	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	544709	56.352	ug/l	100
85) sec-Butylbenzene	13.379	105	670404	56.681	ug/l	100
86) p-Isopropyltoluene	13.495	119	571291	56.797	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	308402	54.430	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	296872	52.272	ug/l	100
89) n-Butylbenzene	13.818	91	541998	56.520	ug/l	100
90) Hexachloroethane	14.086	117	98938	53.776	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	253601	50.553	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.483	75	23754	51.271	ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	176601	55.100	ug/l	100
94) Hexachlorobutadiene	15.226	225	89862	56.532	ug/l	100
95) Naphthalene	15.360	128	400729	55.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	157194	52.737	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032144.D
Acq On : 26 Aug 2025 12:34
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:52:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 03:44:37 2025
Response via : Initial Calibration

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

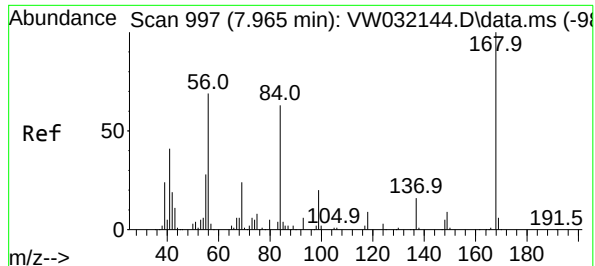
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

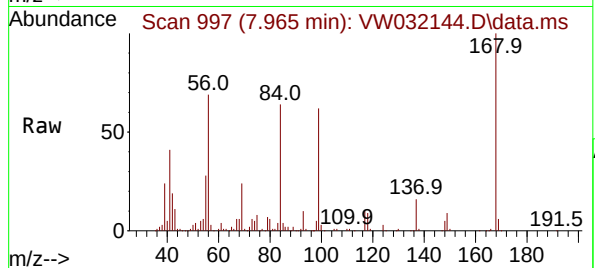
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

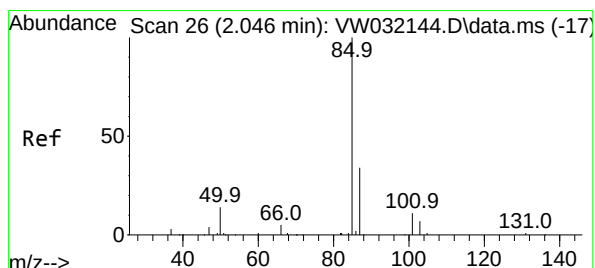
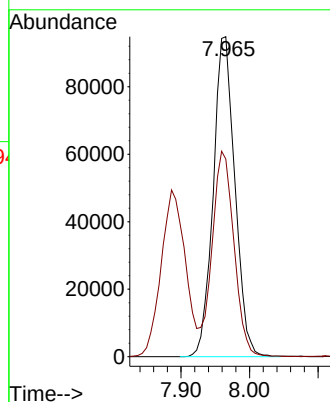
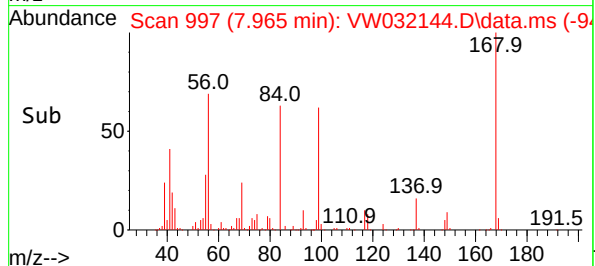
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 168 Resp: 208118
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9

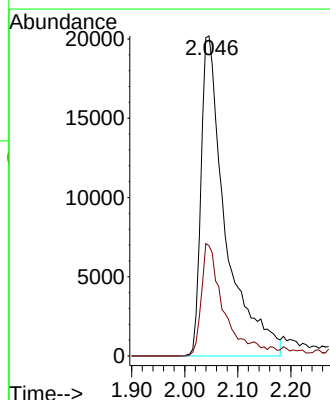
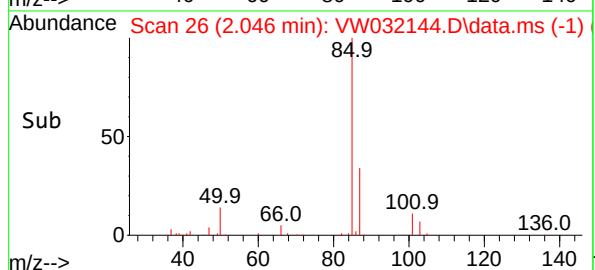
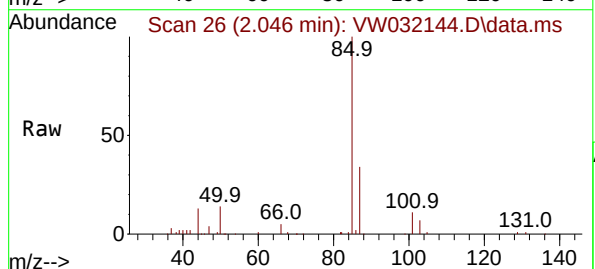
Manual Integrations
APPROVED

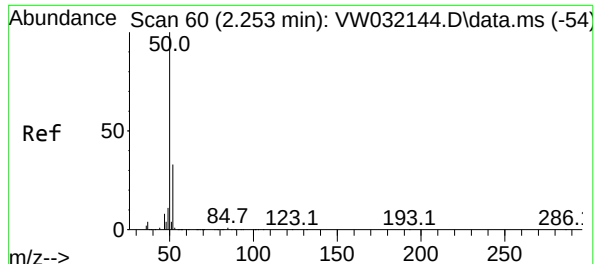
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 47.235 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 85 Resp: 64903
Ion Ratio Lower Upper
85 100
87 34.4 17.2 51.6





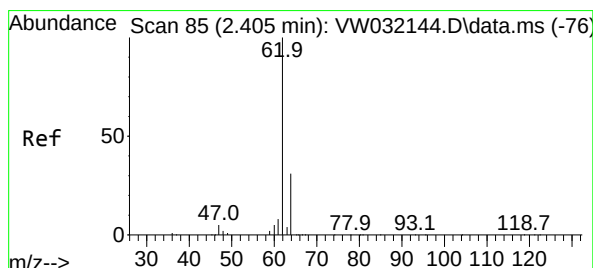
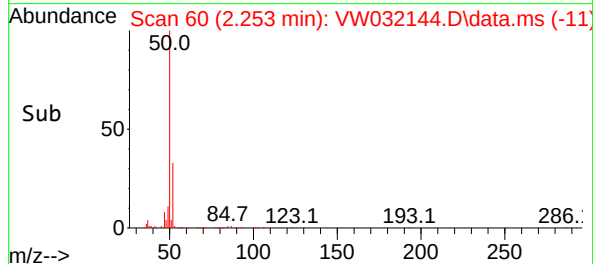
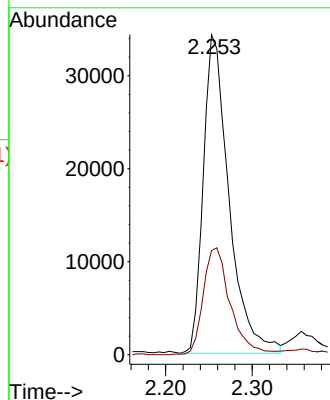
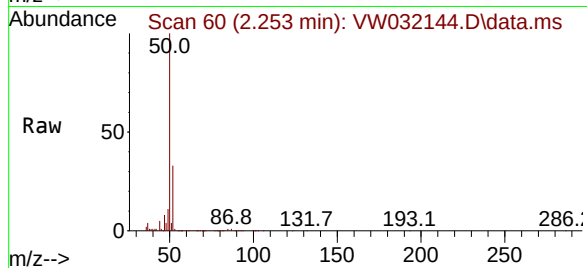
#3
Chloromethane
Concen: 49.092 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 70725
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1

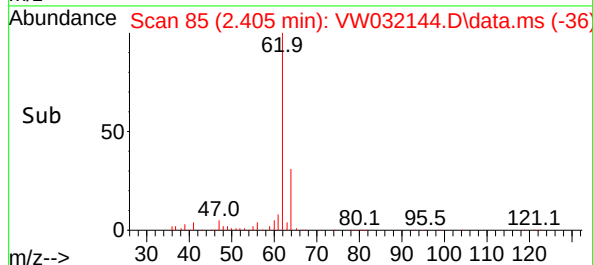
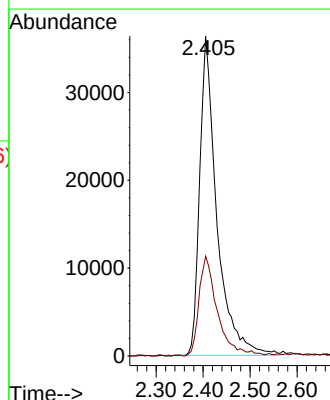
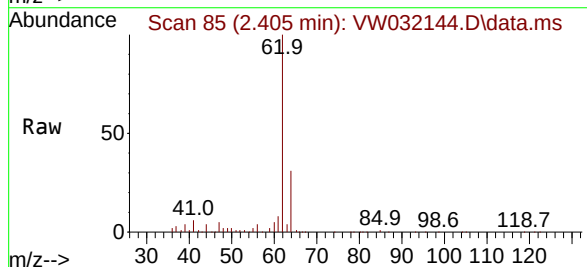
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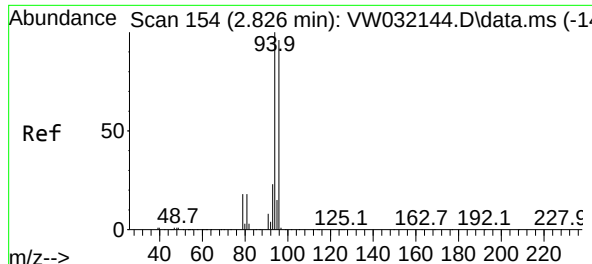
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 62 Resp: 92327
Ion Ratio Lower Upper
62 100
64 31.0 24.8 37.2





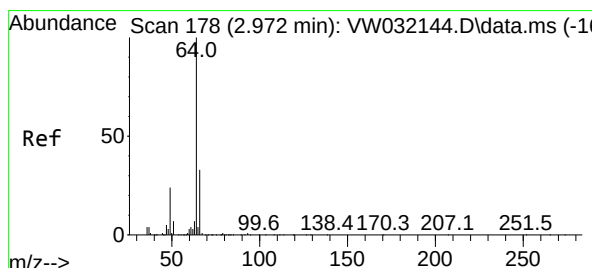
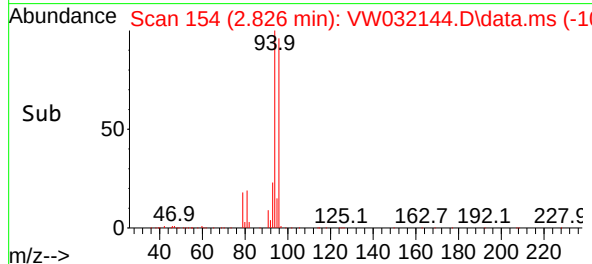
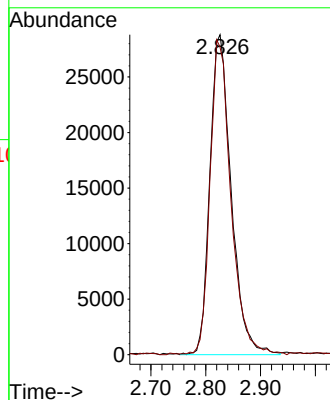
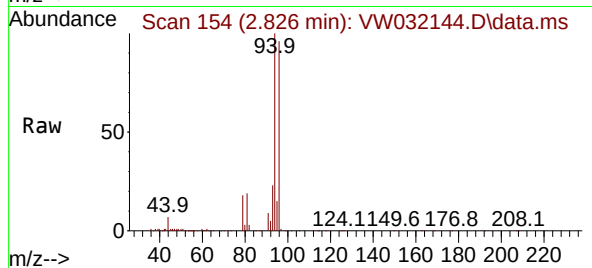
#5
Bromomethane
Concen: 46.581 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 77830
Ion Ratio Lower Upper
94 100
96 95.8 76.6 115.0

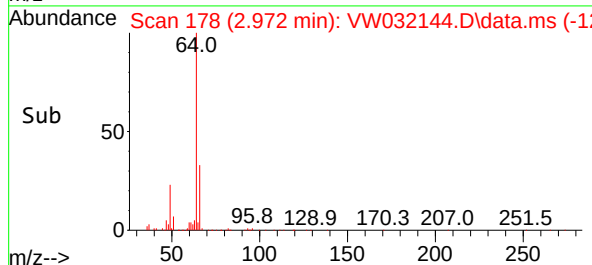
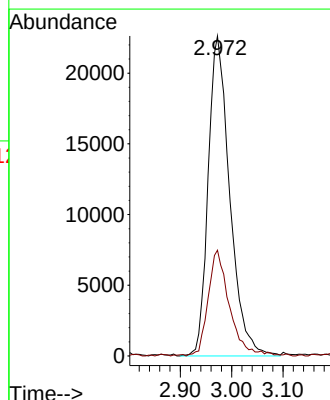
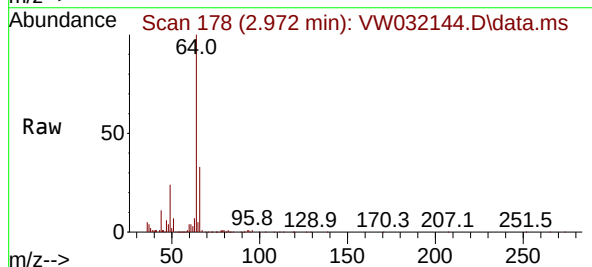
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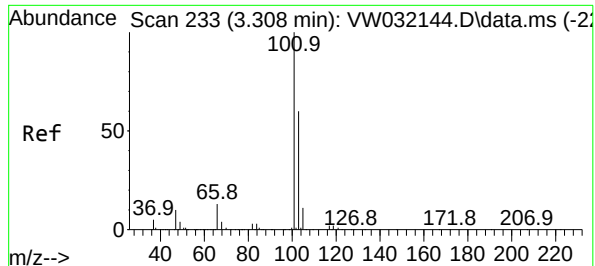
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 50.047 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 64 Resp: 65951
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





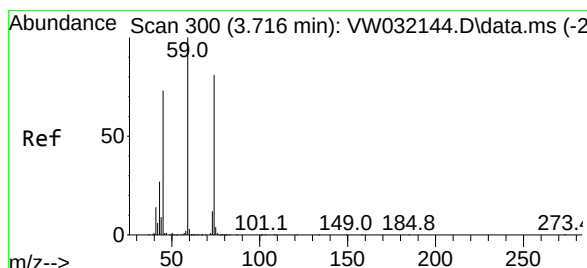
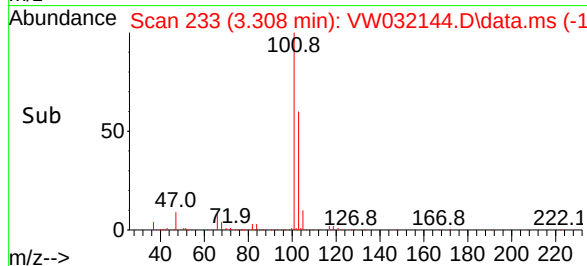
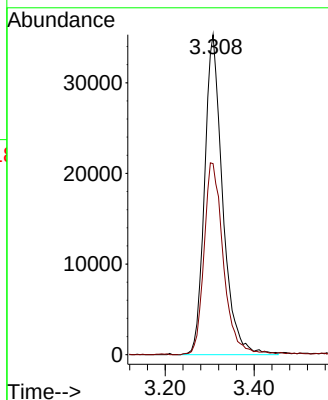
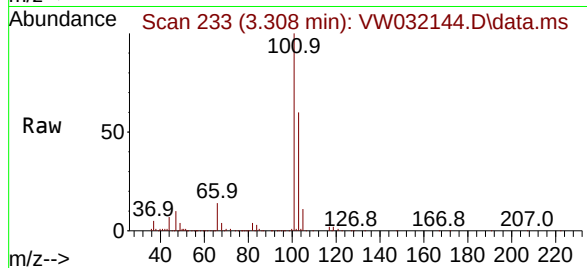
#7
Trichlorofluoromethane
Concen: 53.987 ug/l
RT: 3.308 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 10009
Ion Ratio Lower Upper
101 100
103 59.8 47.8 71.8

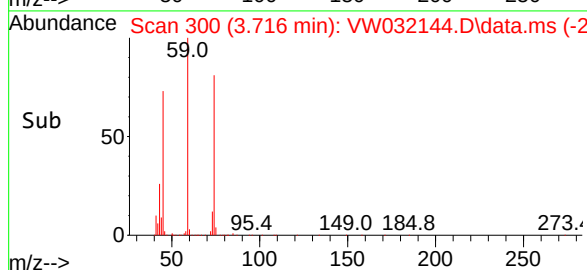
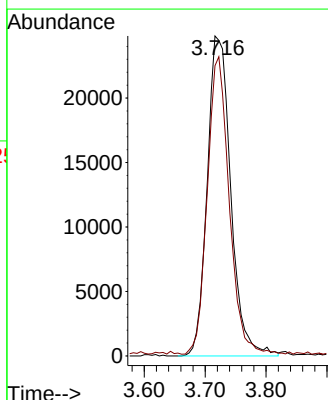
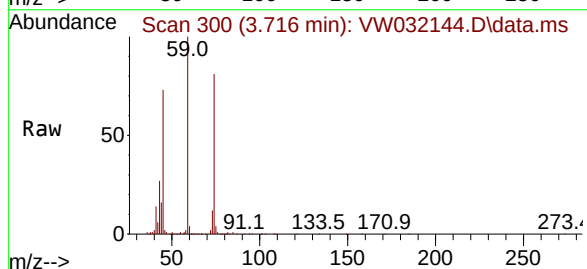
Manual Integrations
APPROVED

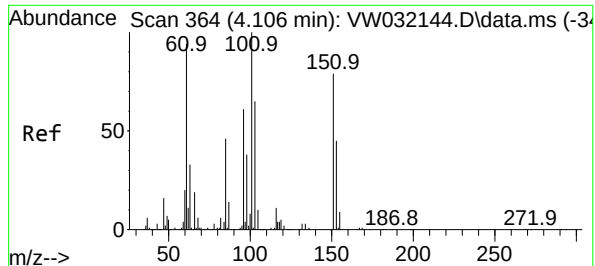
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 48.239 ug/l
RT: 3.716 min Scan# 300
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

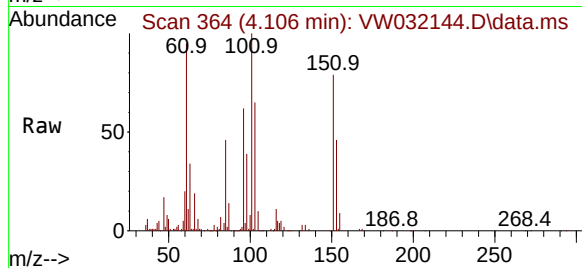
Tgt Ion: 74 Resp: 66743
Ion Ratio Lower Upper
74 100
45 86.3 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.359 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

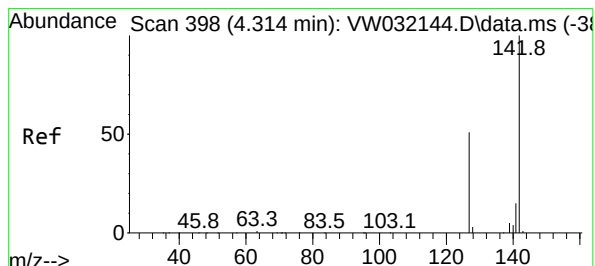
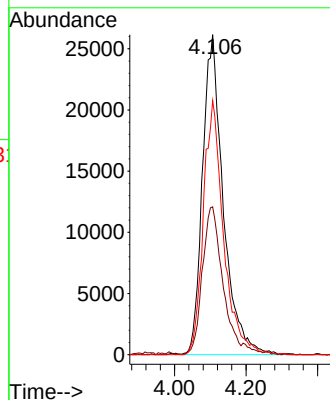
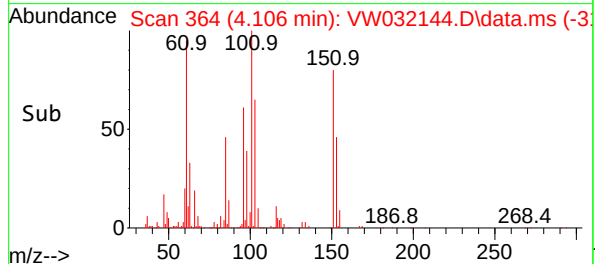
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



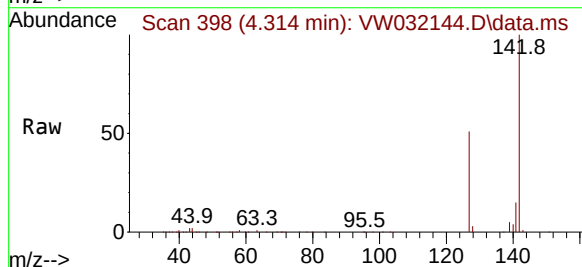
Tgt Ion:101 Resp: 105179
Ion Ratio Lower Upper
101 100
85 46.4 37.1 55.7
151 76.9 61.5 92.3

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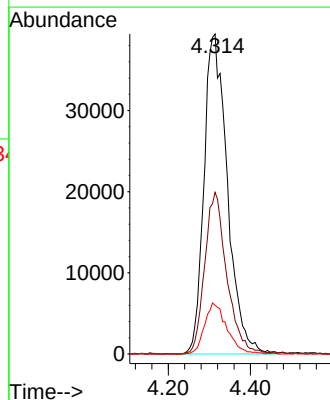
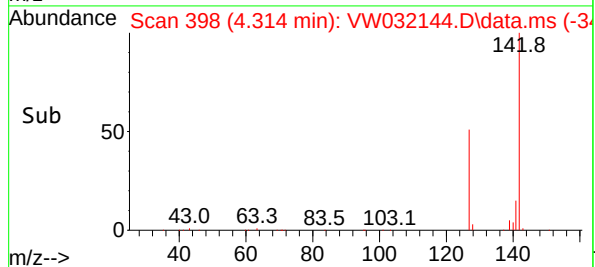
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

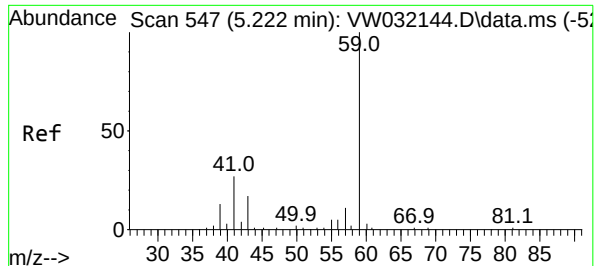


#10
Methyl Iodide
Concen: 48.971 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34



Tgt Ion:142 Resp: 155738
Ion Ratio Lower Upper
142 100
127 47.7 38.2 57.2
141 15.2 12.2 18.2





#11

Tert butyl alcohol

Concen: 252.570 ug/l

RT: 5.222 min Scan# 547

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 4598

Ion Ratio Lower Upper

59 100

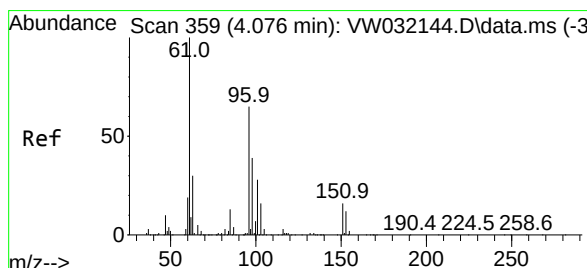
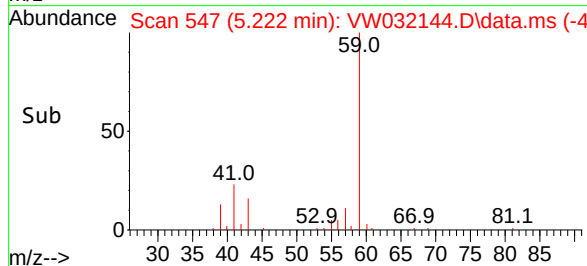
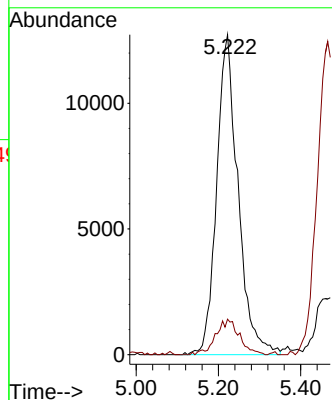
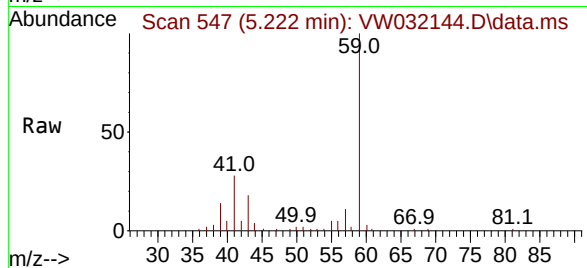
57 12.2 9.8 14.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#12

1,1-Dichloroethene

Concen: 50.731 ug/l

RT: 4.076 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

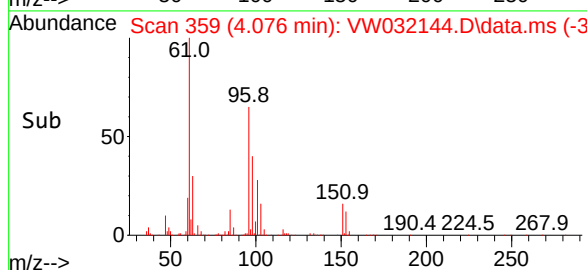
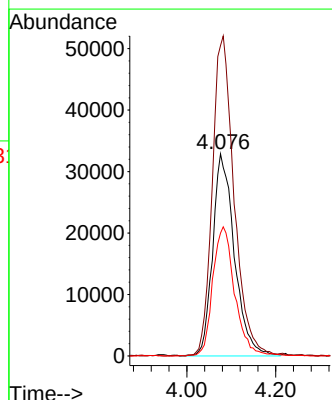
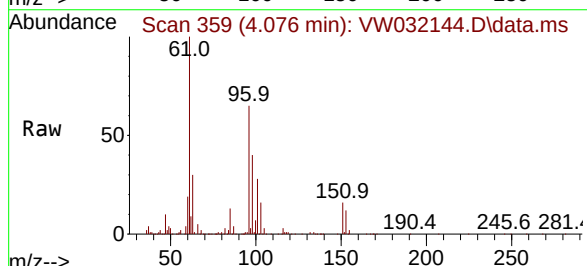
Tgt Ion: 96 Resp: 111585

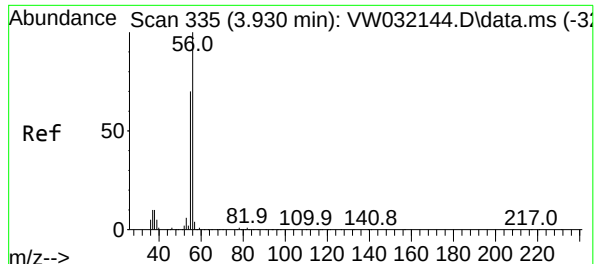
Ion Ratio Lower Upper

96 100

61 153.7 123.0 184.4

98 60.6 48.5 72.7





#13

Acrolein

Concen: 246.578 ug/l

RT: 3.930 min Scan# 335

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 6900

Ion Ratio Lower Upper

56 100

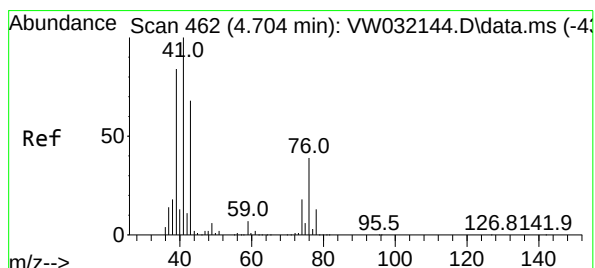
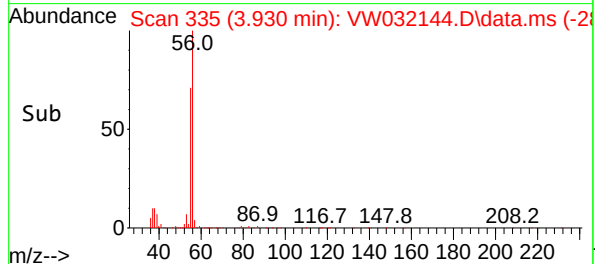
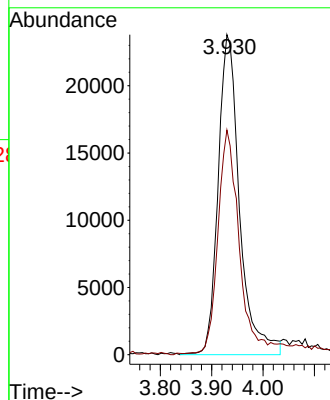
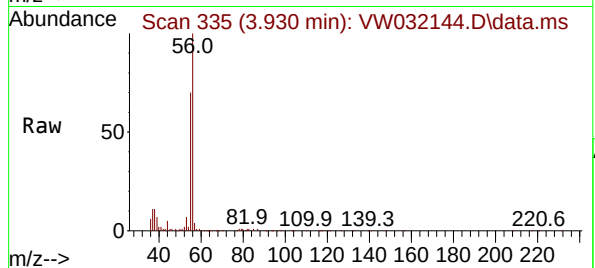
55 70.5 56.4 84.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#14

Allyl chloride

Concen: 51.183 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

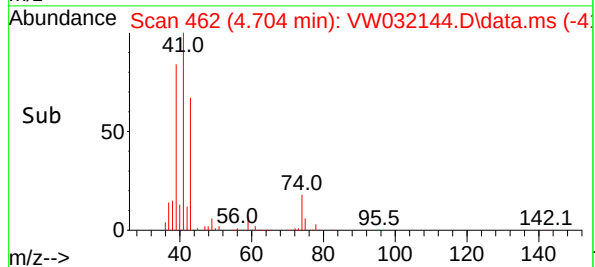
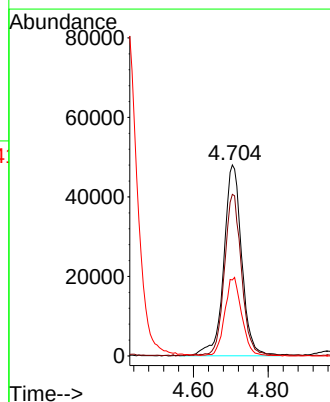
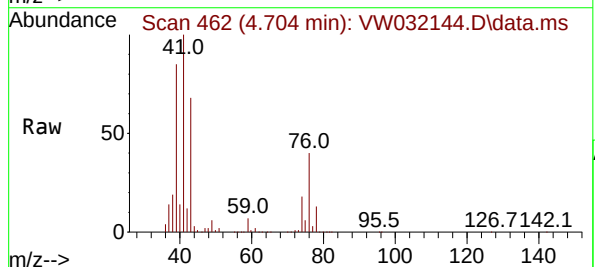
Tgt Ion: 41 Resp: 159912

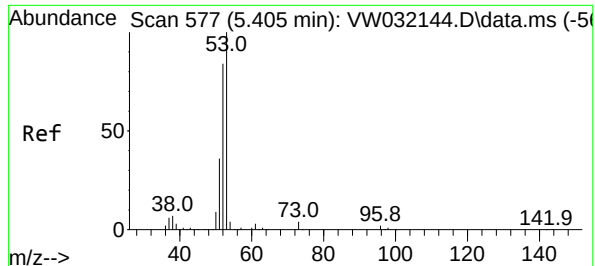
Ion Ratio Lower Upper

41 100

39 80.1 64.1 96.1

76 39.3 31.4 47.2





#15

Acrylonitrile

Concen: 252.998 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

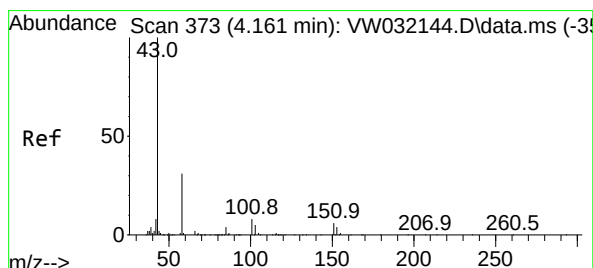
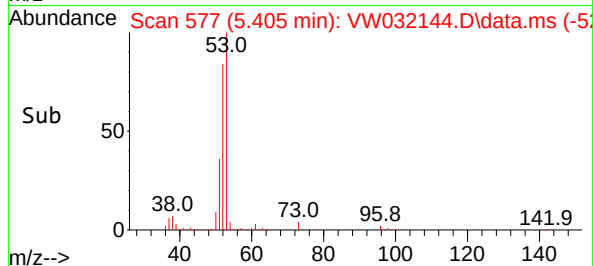
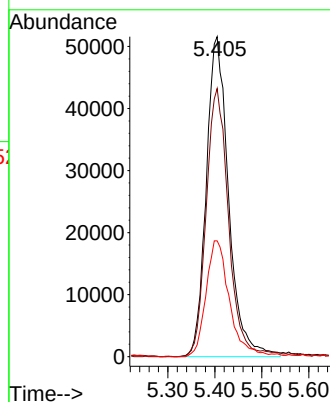
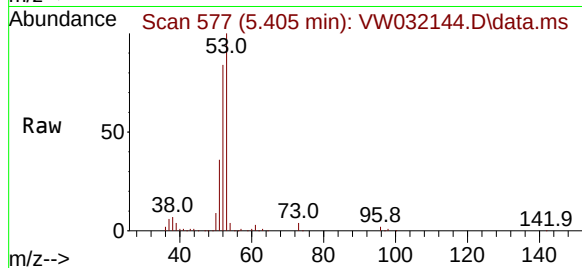
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	170180
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.9	30.3	45.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#16

Acetone

Concen: 253.381 ug/l

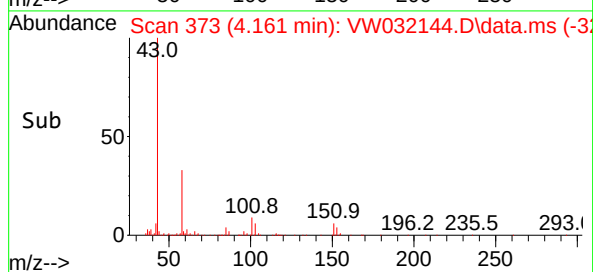
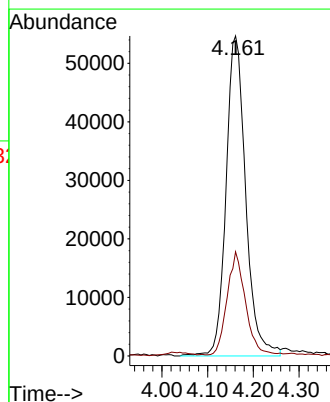
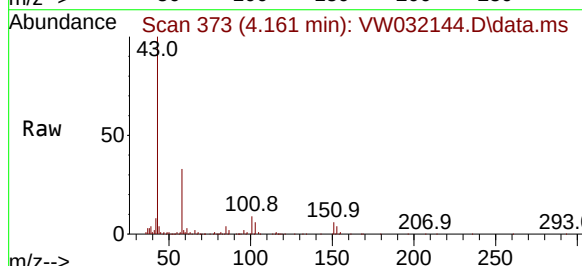
RT: 4.161 min Scan# 373

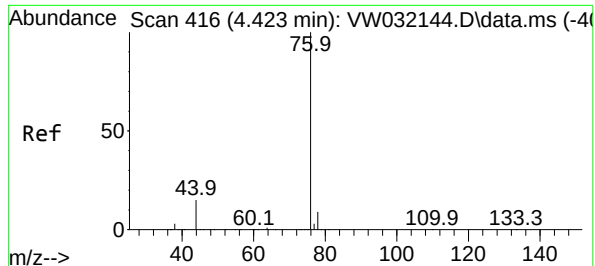
Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion:	43	Resp:	163328
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.3	37.9





#17

Carbon Disulfide

Concen: 51.465 ug/l

RT: 4.423 min Scan# 416

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 28312

Ion Ratio Lower Upper

76 100

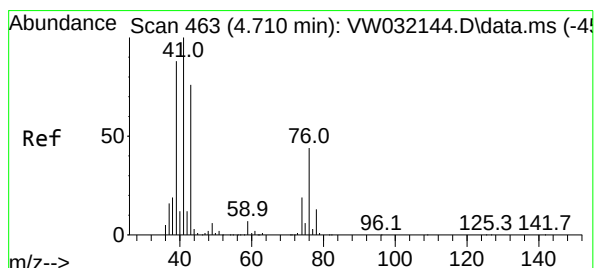
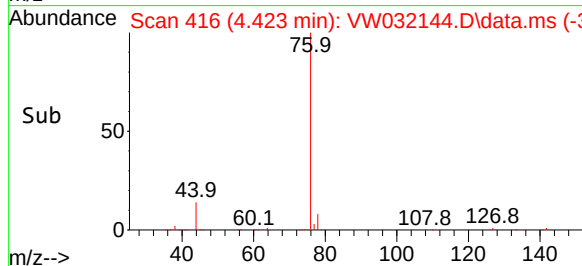
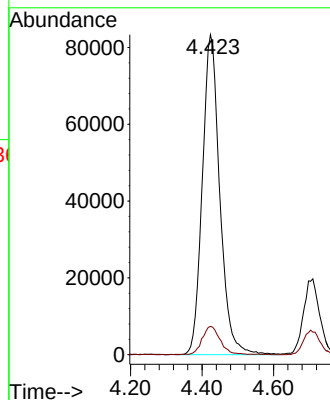
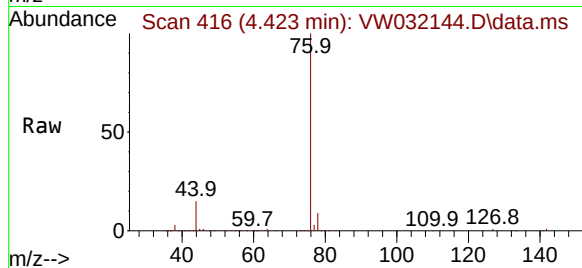
78 8.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#18

Methyl Acetate

Concen: 52.228 ug/l

RT: 4.710 min Scan# 463

Delta R.T. 0.000 min

Lab File: VW032144.D

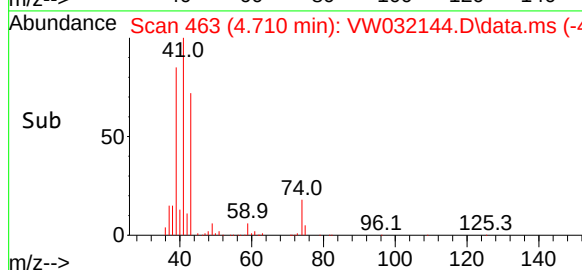
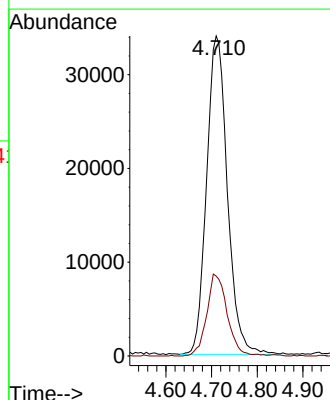
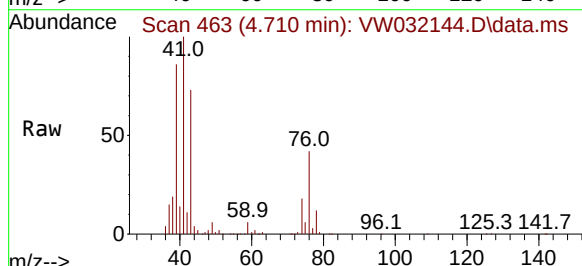
Acq: 26 Aug 2025 12:34

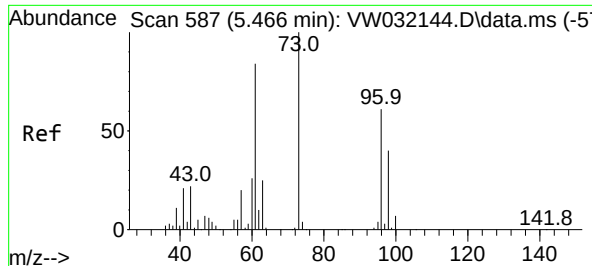
Tgt Ion: 43 Resp: 107266

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 52.643 ug/l

RT: 5.466 min Scan# 587

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 21865

Ion Ratio Lower Upper

73 100

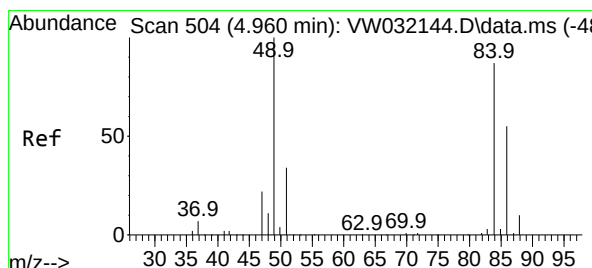
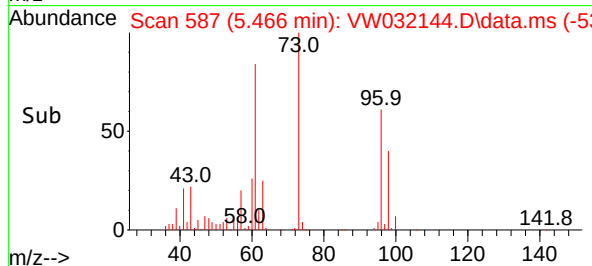
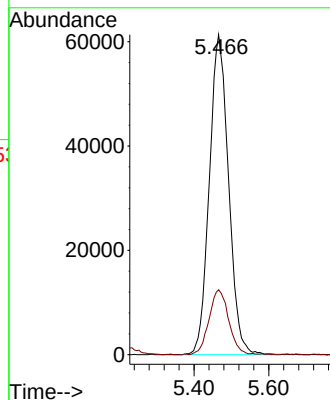
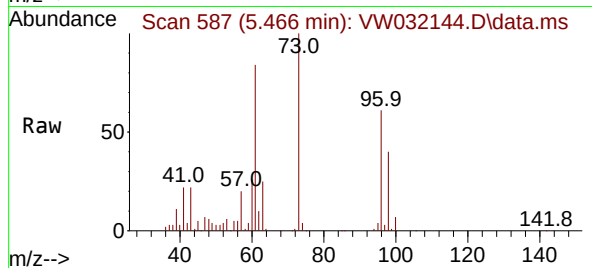
57 20.3 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 50.616 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion: 84 Resp: 133315

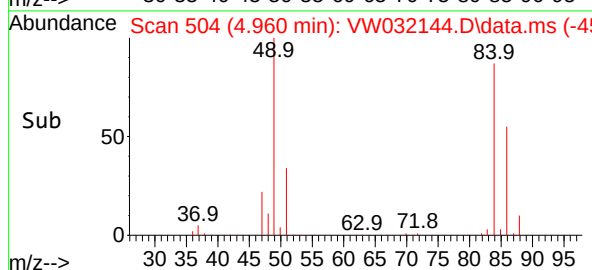
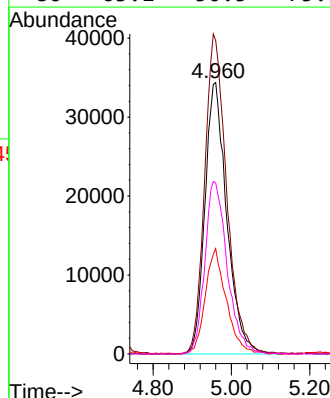
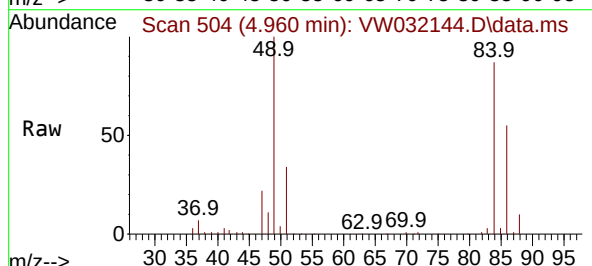
Ion Ratio Lower Upper

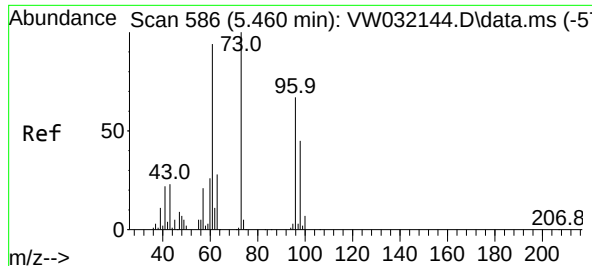
84 100

49 115.3 92.2 138.4

51 38.8 31.0 46.6

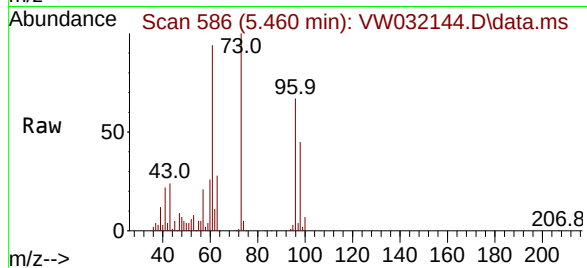
86 63.1 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 51.610 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

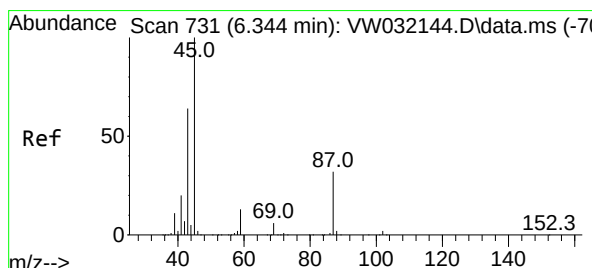
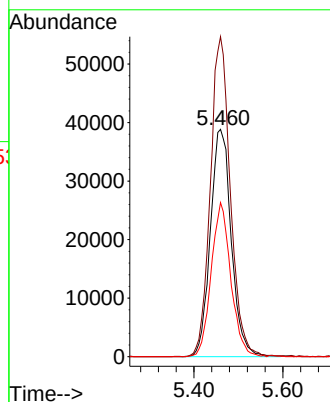
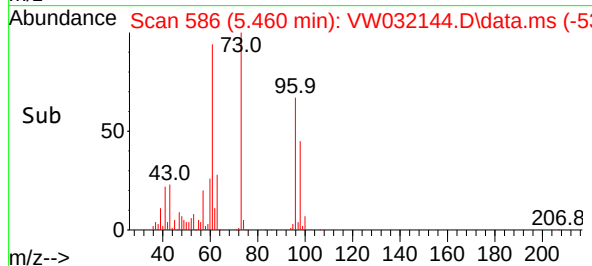
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 12681
Ion Ratio Lower Upper
96 100
61 140.6 112.5 168.7
98 67.8 54.2 81.4

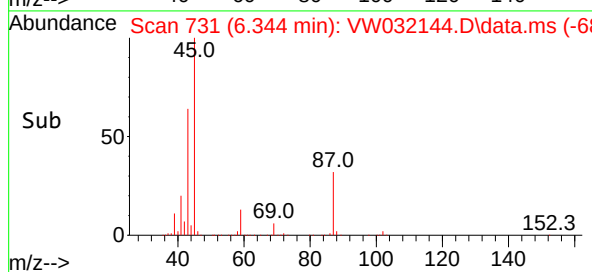
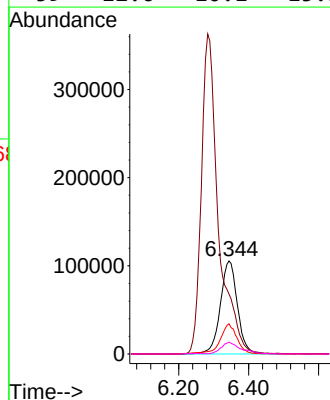
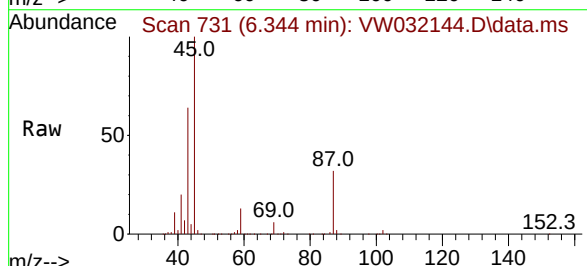
Manual Integrations
APPROVED

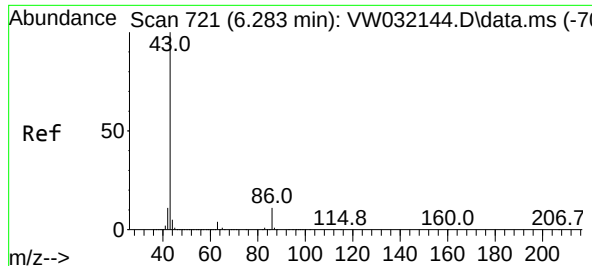
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#22
Diisopropyl ether
Concen: 52.428 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 45 Resp: 356506
Ion Ratio Lower Upper
45 100
43 64.3 51.4 77.2
87 32.4 25.9 38.9
59 12.6 10.1 15.1





#23

Vinyl Acetate

Concen: 264.840 ug/l

RT: 6.283 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1224420

Ion Ratio Lower Upper

43

100

86

11.0

8.8

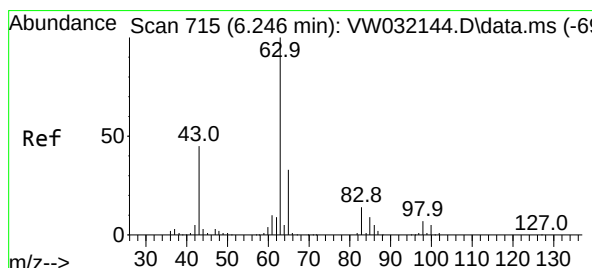
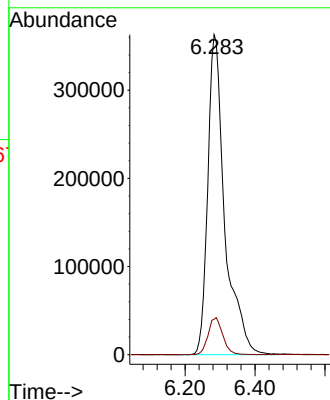
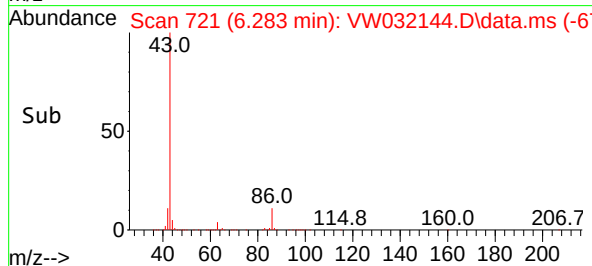
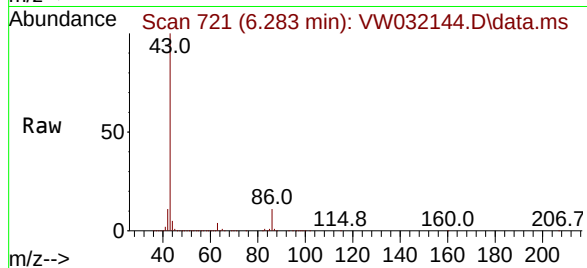
13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#24

1,1-Dichloroethane

Concen: 51.526 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion: 63 Resp: 229381

Ion Ratio Lower Upper

63

100

98

7.5

3.8

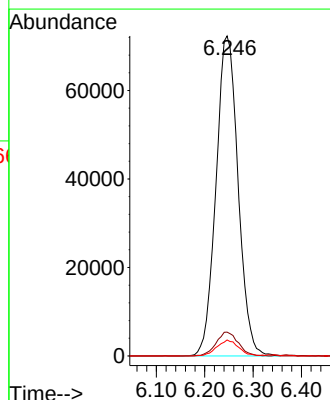
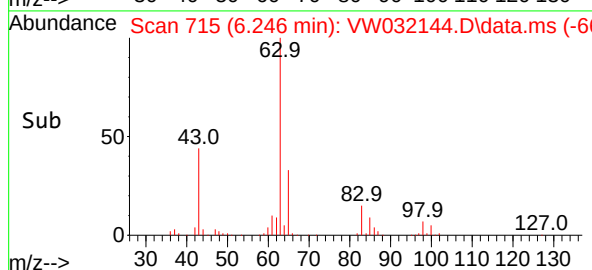
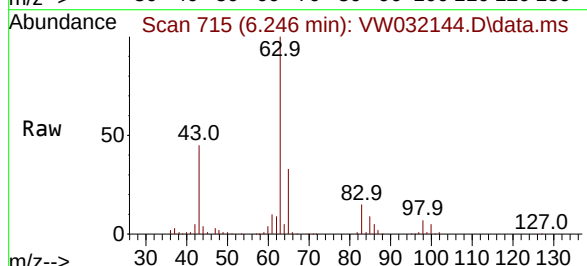
11.2

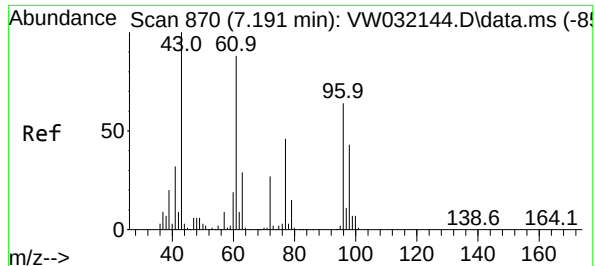
100

5.0

2.5

7.5





#25

2-Butanone

Concen: 258.036 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 235692

Ion Ratio Lower Upper

43 100

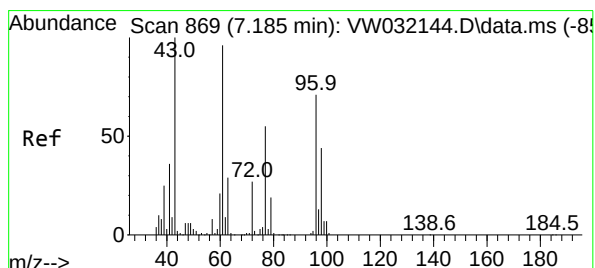
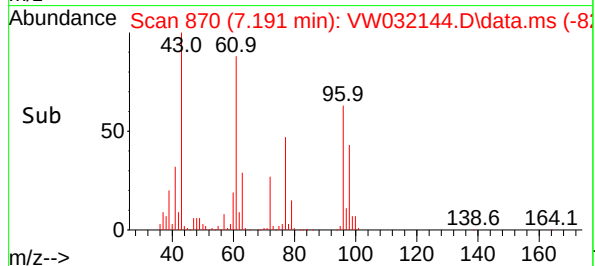
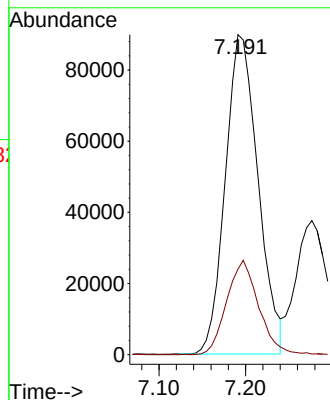
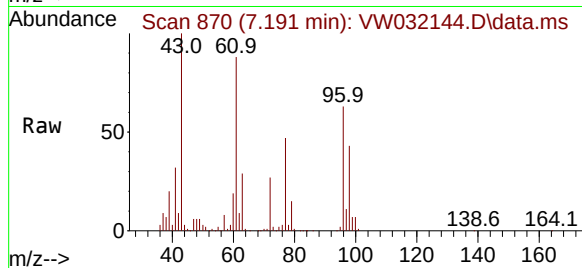
72 26.8 21.4 32.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 53.672 ug/l

RT: 7.185 min Scan# 869

Delta R.T. 0.000 min

Lab File: VW032144.D

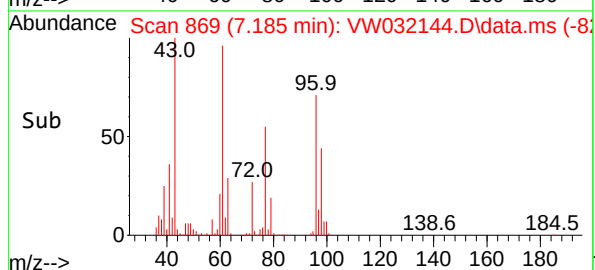
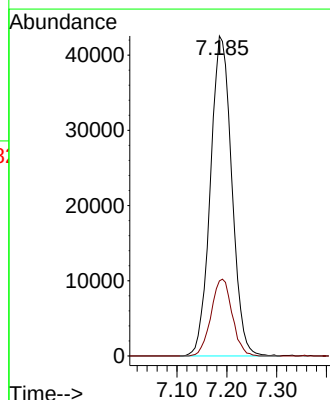
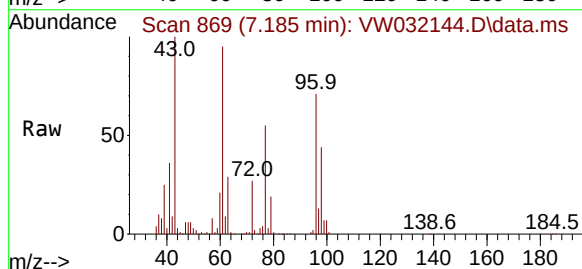
Acq: 26 Aug 2025 12:34

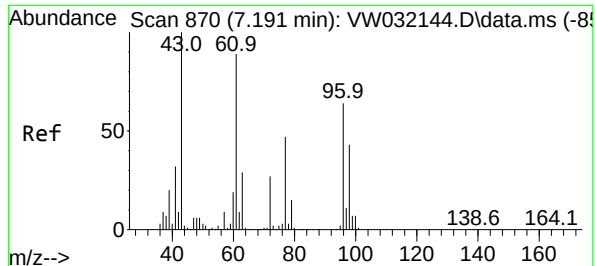
Tgt Ion: 77 Resp: 126530

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 51.438 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 15379

Ion Ratio Lower Upper

96 100

61 134.0 0.0 268.0

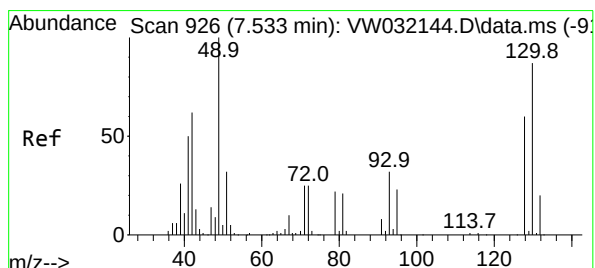
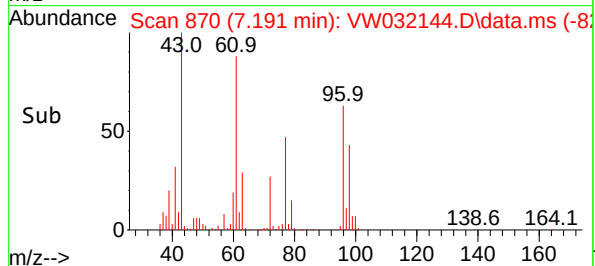
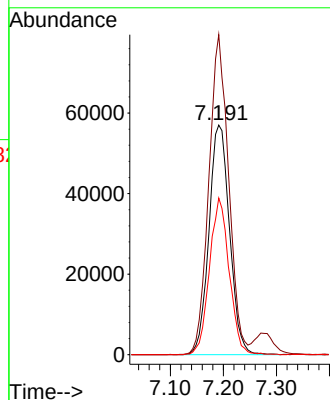
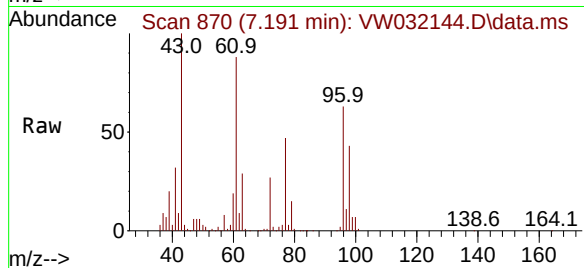
98 65.4 0.0 130.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 49.639 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

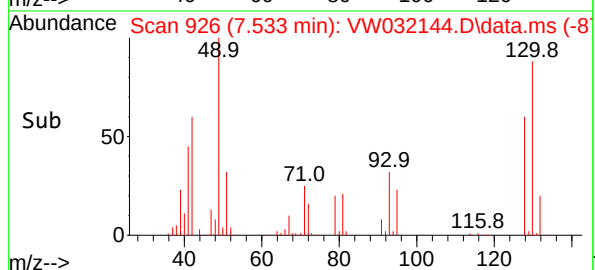
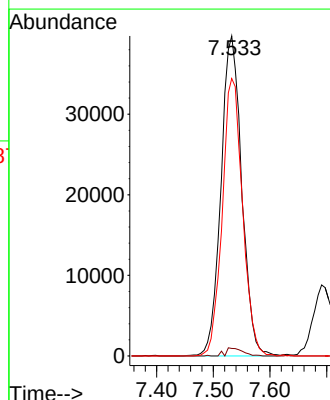
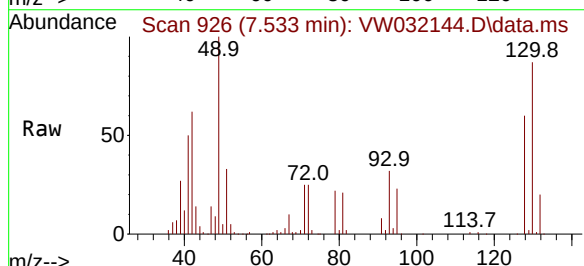
Tgt Ion: 49 Resp: 101158

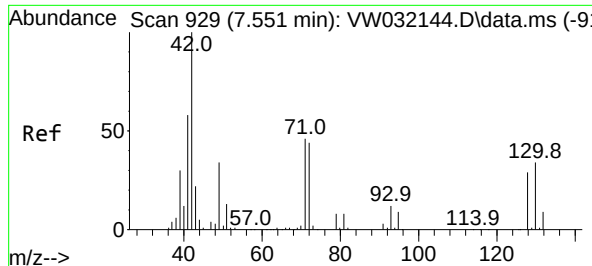
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 84.4 67.5 101.3





#29

Tetrahydrofuran

Concen: 255.176 ug/l

RT: 7.551 min Scan# 929

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 148114

Ion Ratio Lower Upper

42 100

72 46.8 37.4 56.2

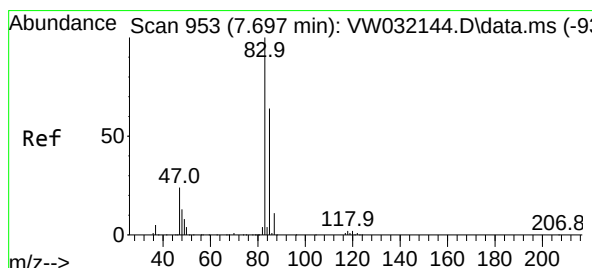
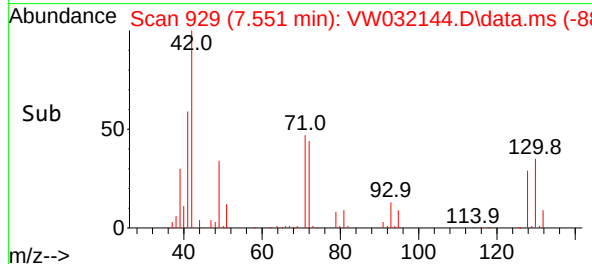
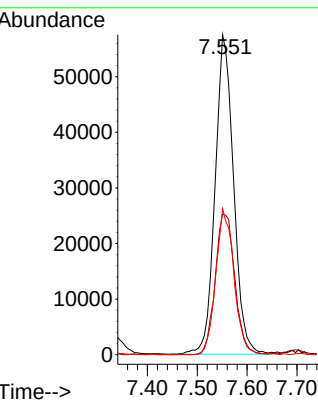
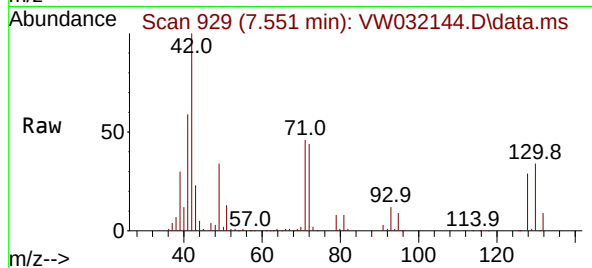
71 45.0 36.0 54.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 51.166 ug/l

RT: 7.697 min Scan# 953

Delta R.T. 0.000 min

Lab File: VW032144.D

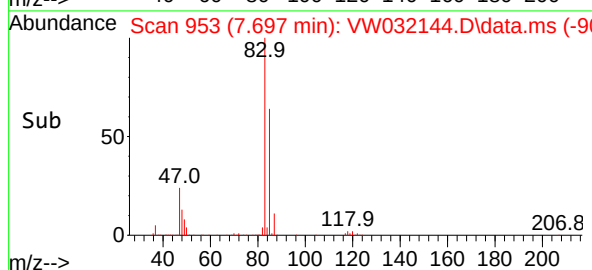
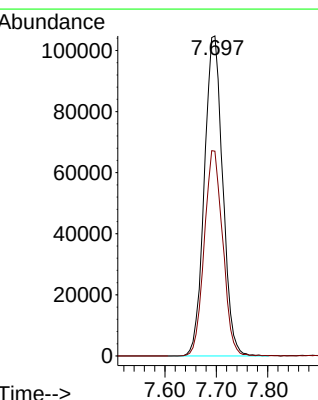
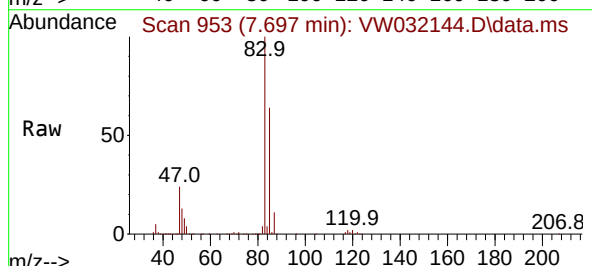
Acq: 26 Aug 2025 12:34

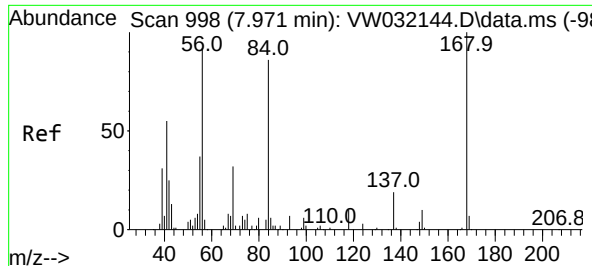
Tgt Ion: 83 Resp: 260062

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8





#31

Cyclohexane

Concen: 49.109 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 179436

Ion Ratio Lower Upper

56 100

69 34.6 27.7 41.5

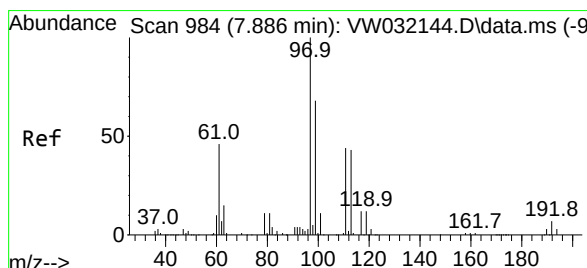
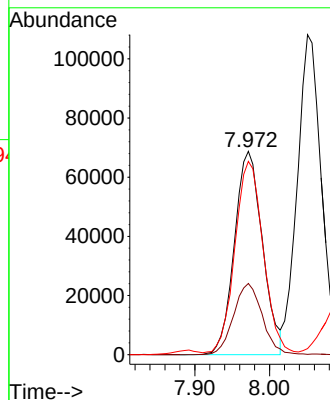
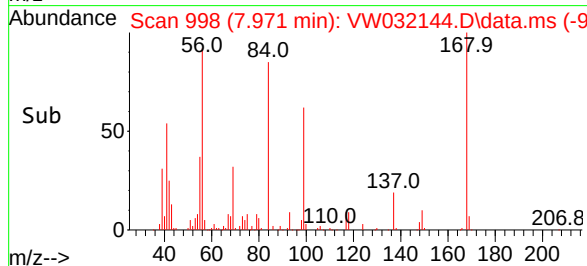
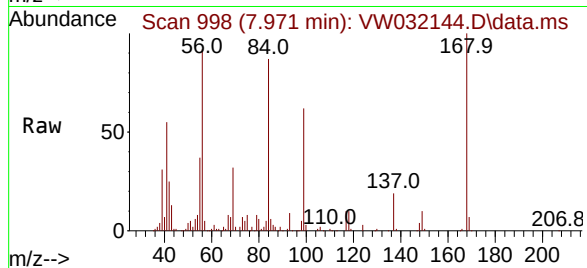
84 93.3 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#32

1,1,1-Trichloroethane

Concen: 51.420 ug/l

RT: 7.886 min Scan# 984

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

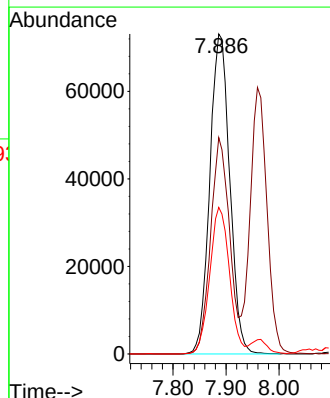
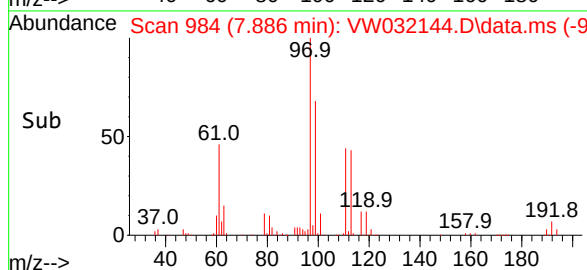
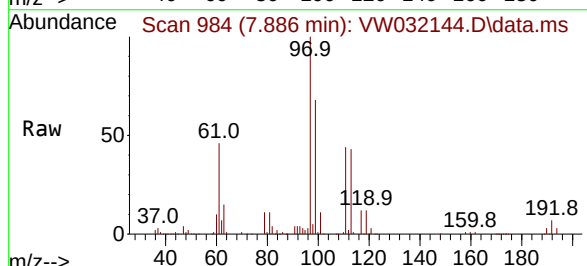
Tgt Ion: 97 Resp: 190783

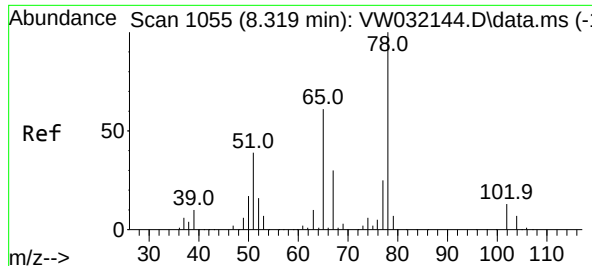
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 45.3 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 48.737 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 145059

Ion Ratio Lower Upper

65 100

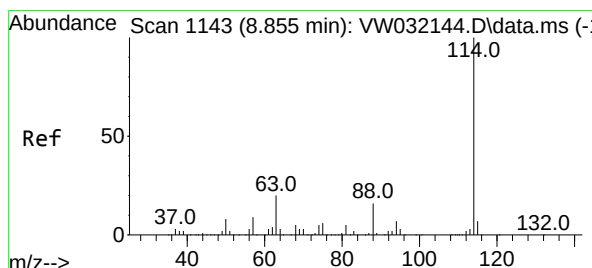
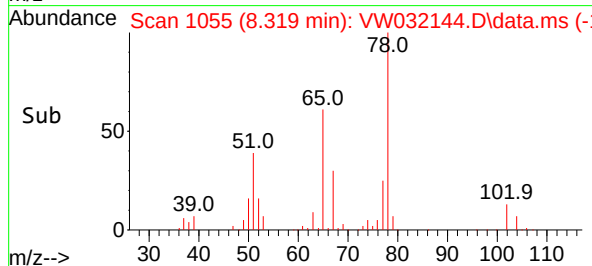
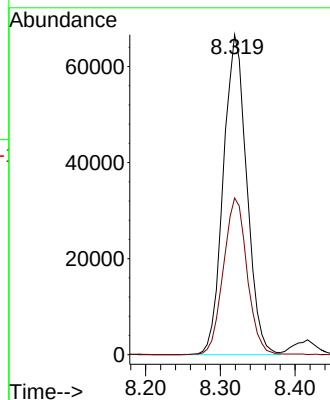
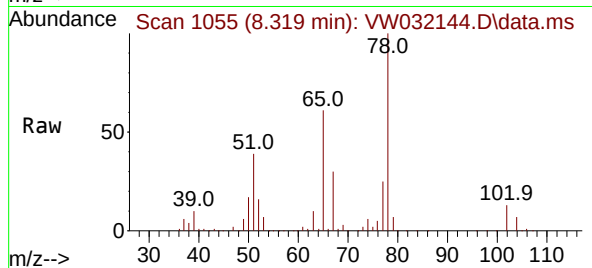
67 49.8 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

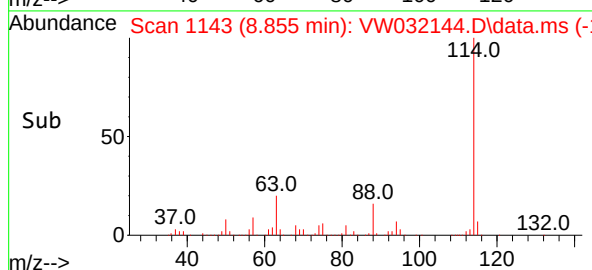
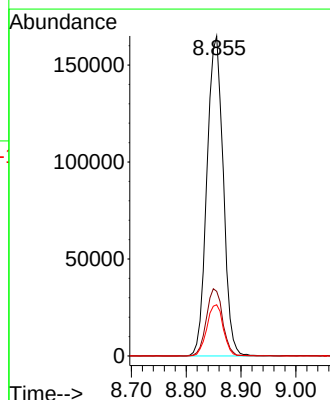
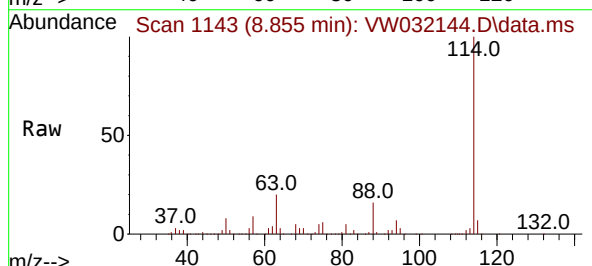
Tgt Ion:114 Resp: 338131

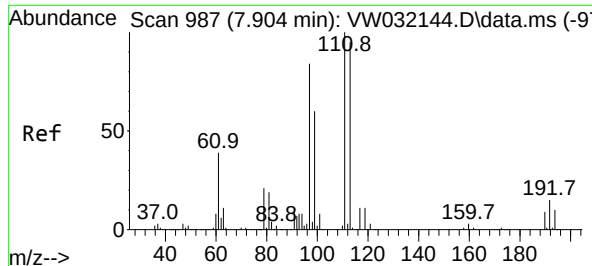
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.259 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 12160

Ion Ratio Lower Upper

113 100

111 104.9 83.9 125.9

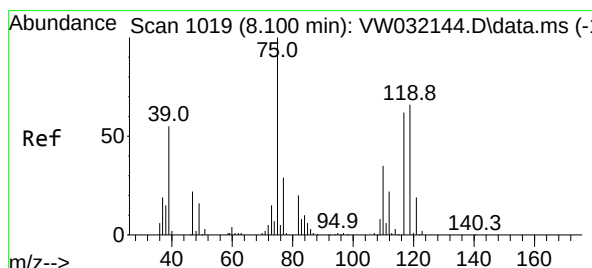
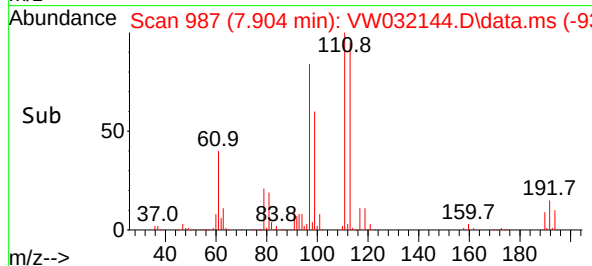
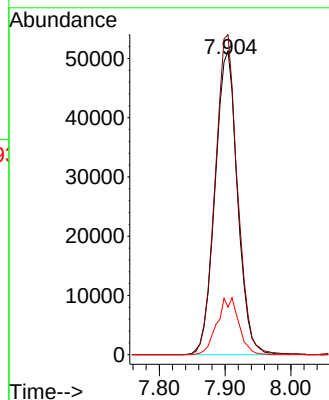
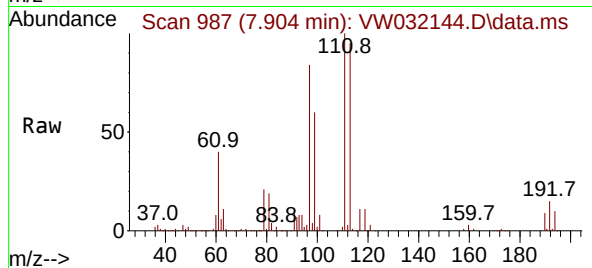
192 18.2 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 55.769 ug/l

RT: 8.100 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

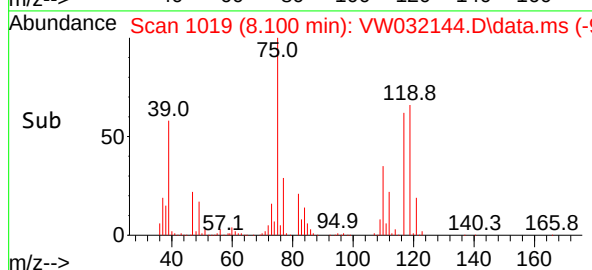
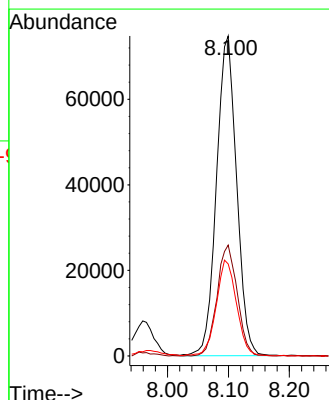
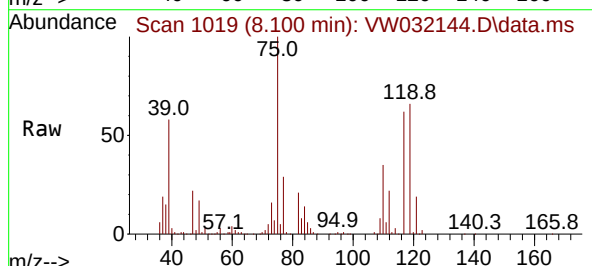
Tgt Ion: 75 Resp: 171538

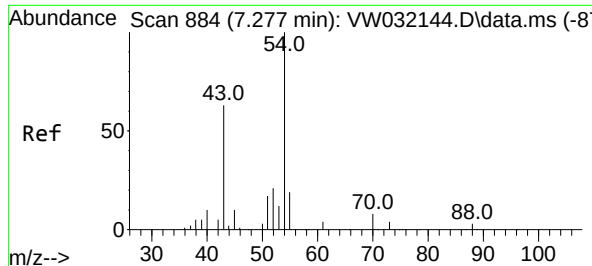
Ion Ratio Lower Upper

75 100

110 35.0 17.5 52.5

77 30.1 24.1 36.1





#37

Ethyl Acetate

Concen: 54.174 ug/l

RT: 7.277 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

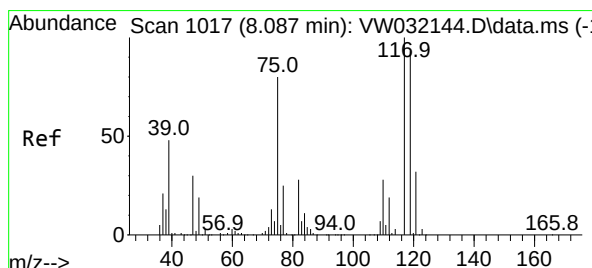
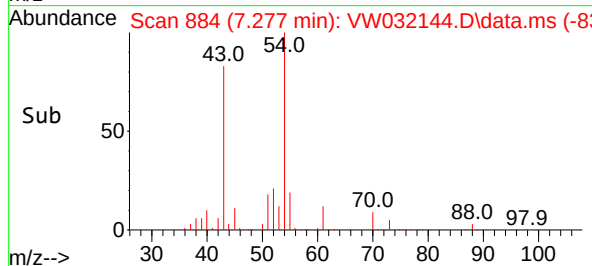
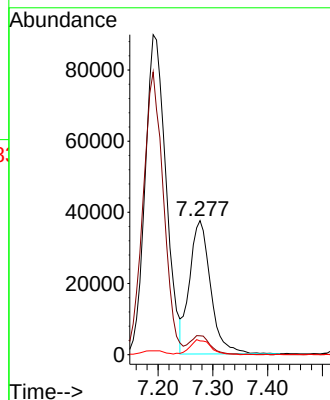
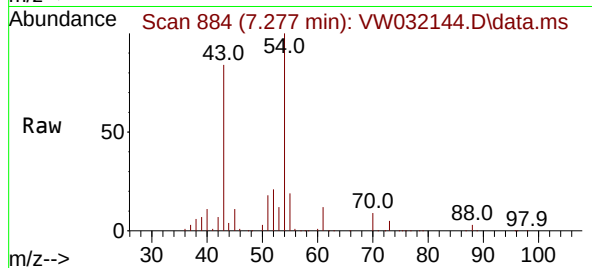
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	9996
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	11.1	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 55.894 ug/l

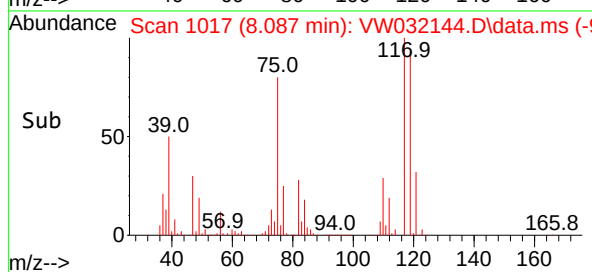
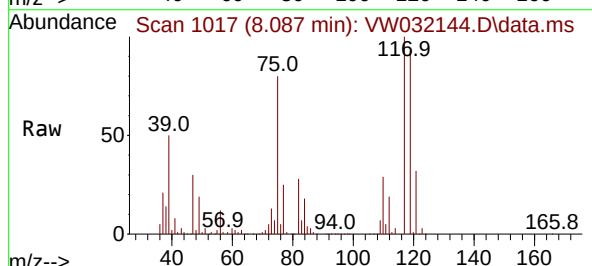
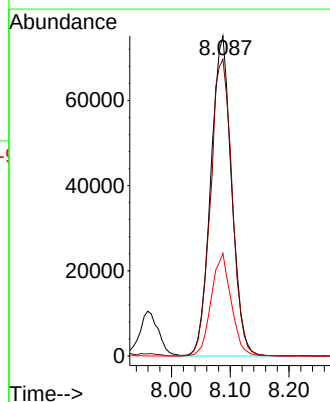
RT: 8.087 min Scan# 1017

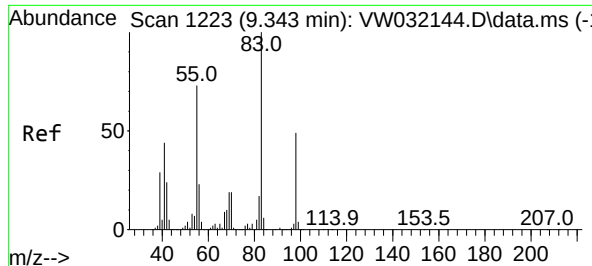
Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion:	117	Resp:	184303
Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.2	111.2
121	32.0	25.6	38.4





#39

Methylcyclohexane

Concen: 57.253 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 20858

Ion Ratio Lower Upper

83 100

55 73.0 58.4 87.6

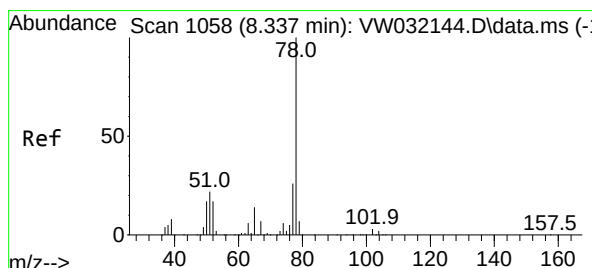
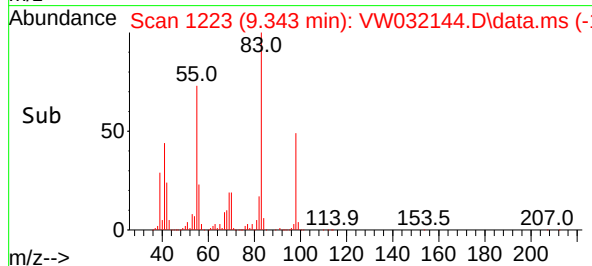
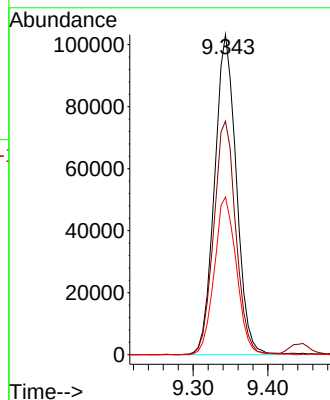
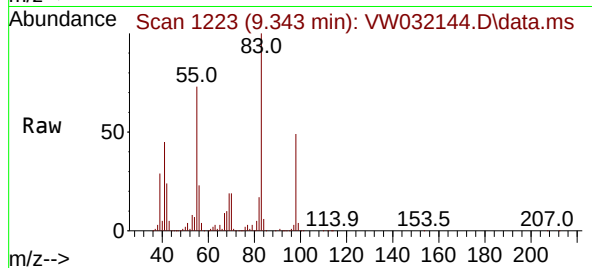
98 49.3 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 54.251 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032144.D

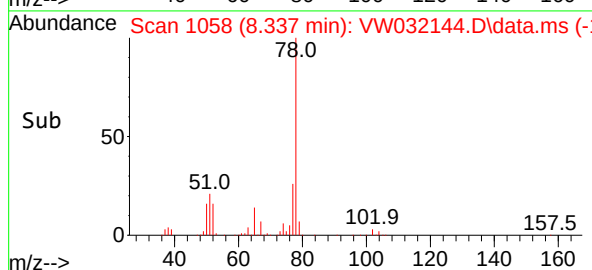
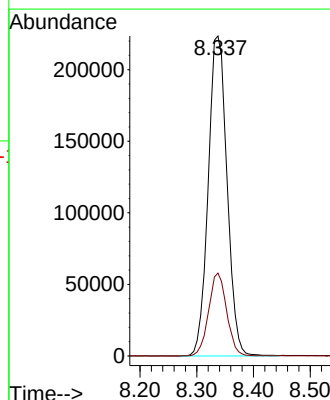
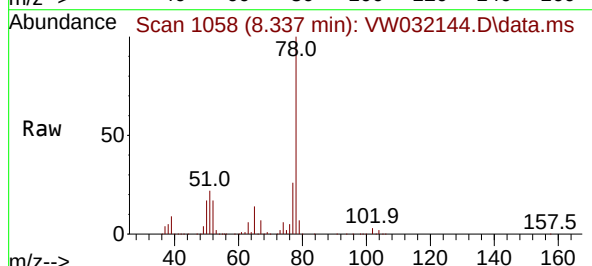
Acq: 26 Aug 2025 12:34

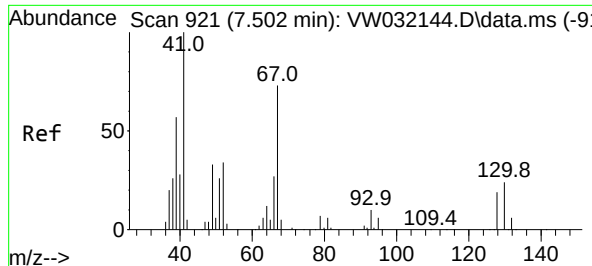
Tgt Ion: 78 Resp: 515814

Ion Ratio Lower Upper

78 100

77 25.9 20.7 31.1





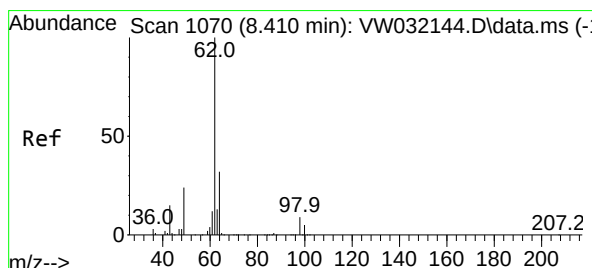
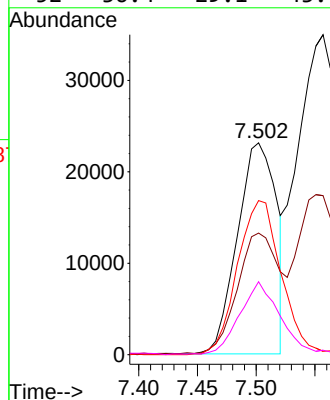
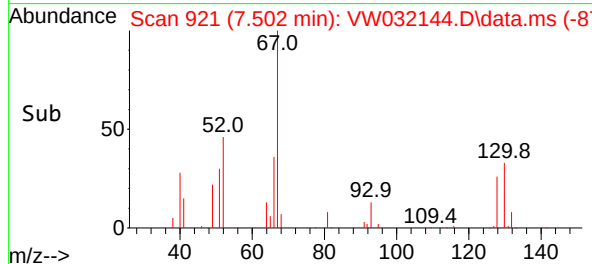
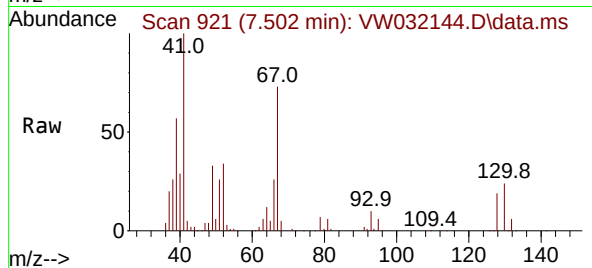
#41
Methacrylonitrile
Concen: 52.013 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	5332
Ion Ratio	Lower	Upper	
41	100		
39	63.6	50.9	76.3
67	82.0	65.6	98.4
52	36.4	29.1	43.7

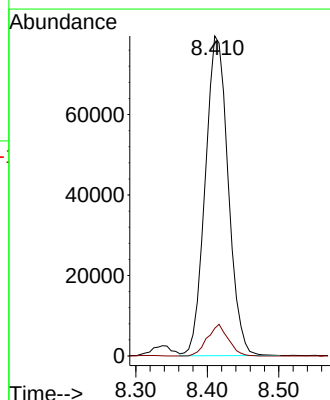
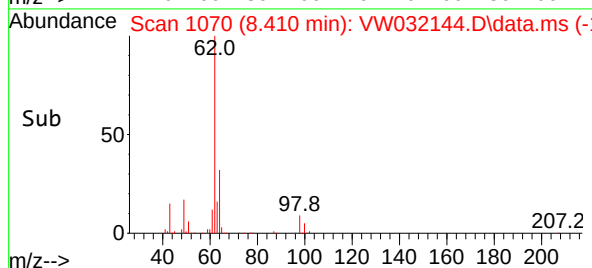
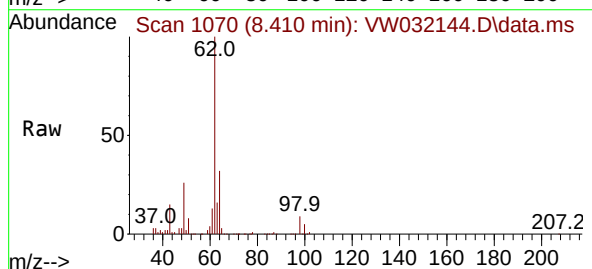
Manual Integrations
APPROVED

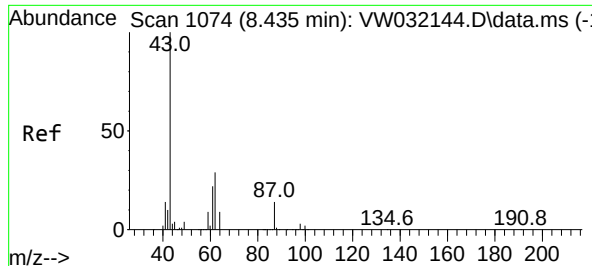
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 53.773 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion:	62	Resp:	177239
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	18.0





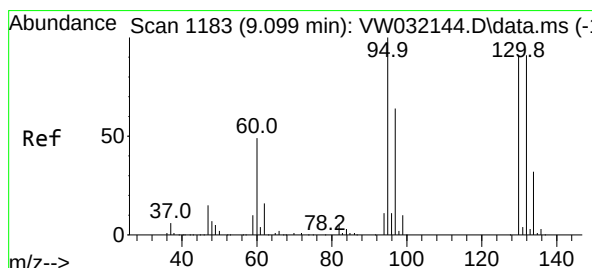
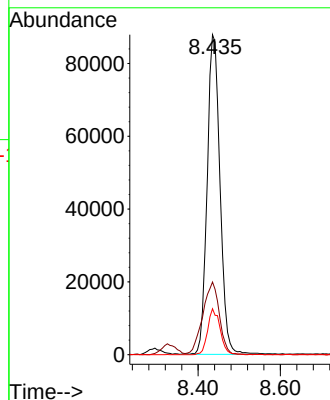
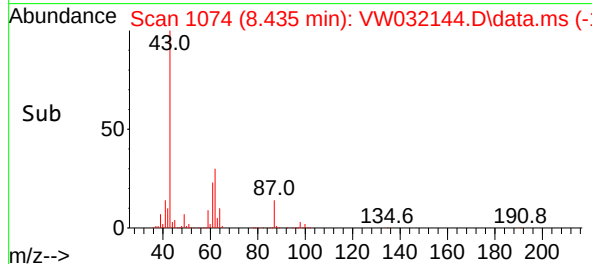
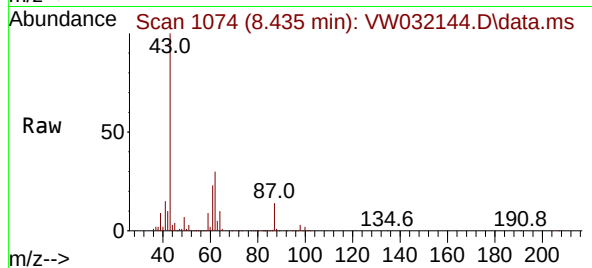
#43
Isopropyl Acetate
Concen: 55.138 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 190860
Ion Ratio Lower Upper
43 100
61 29.1 23.3 34.9
87 13.9 11.1 16.7

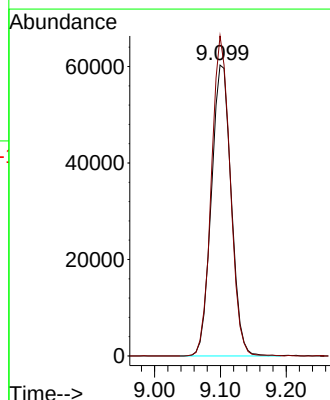
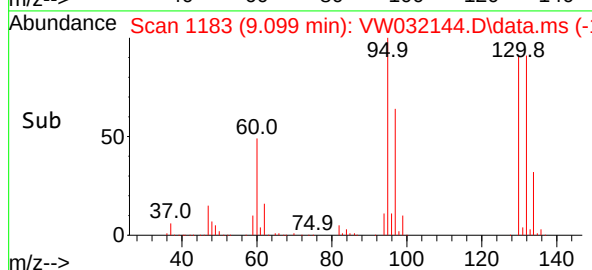
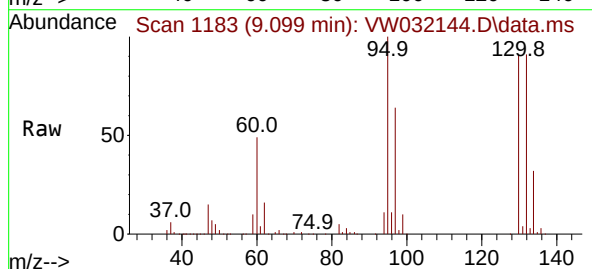
Manual Integrations
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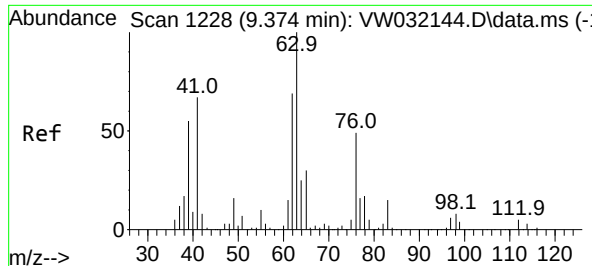
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44
Trichloroethene
Concen: 52.906 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion:130 Resp: 126501
Ion Ratio Lower Upper
130 100
95 110.0 0.0 220.0





#45

1,2-Dichloropropane

Concen: 54.569 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 12507

Ion Ratio Lower Upper

63 100

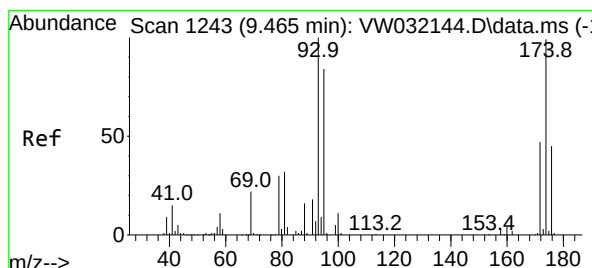
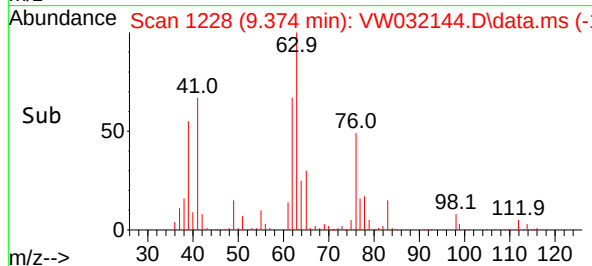
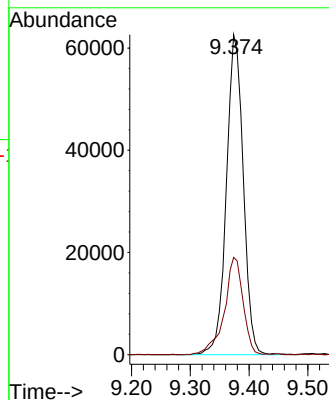
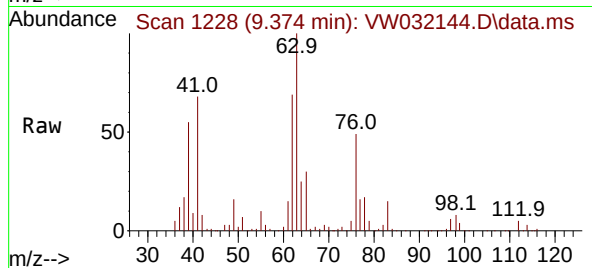
65 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 52.422 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

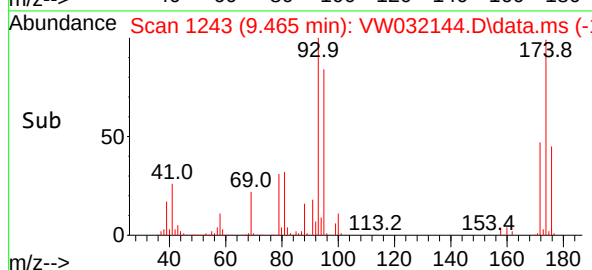
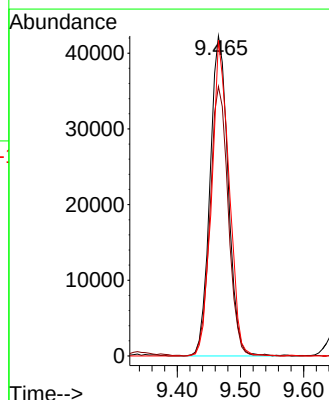
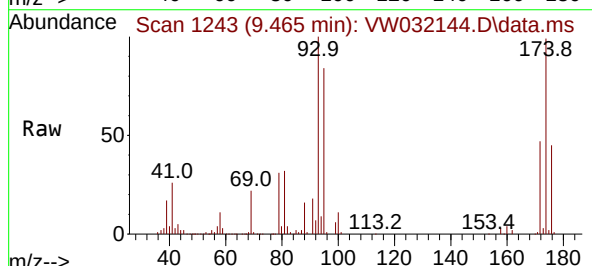
Tgt Ion: 93 Resp: 84274

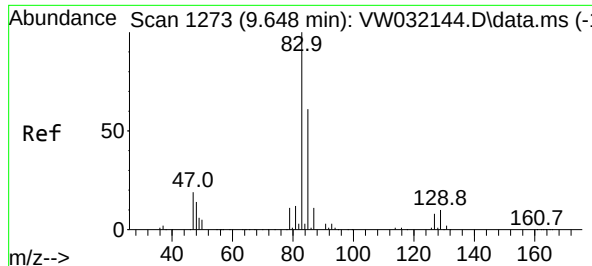
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

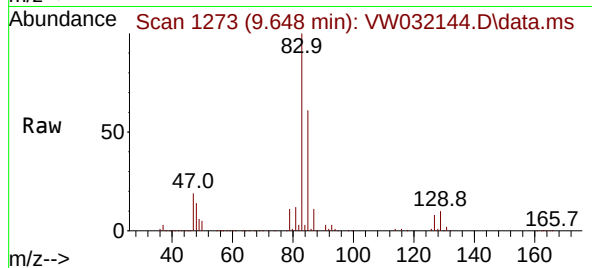
174 94.6 75.7 113.5





#47
Bromodichloromethane
Concen: 54.907 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

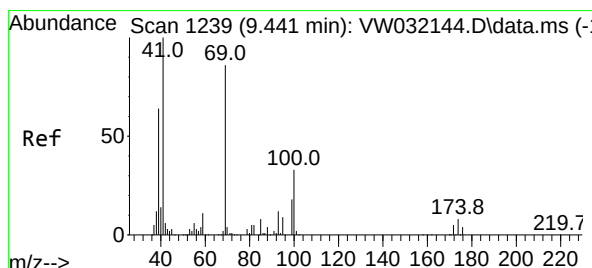
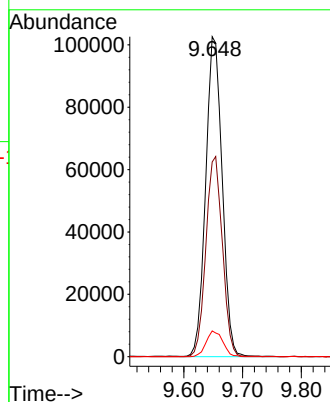
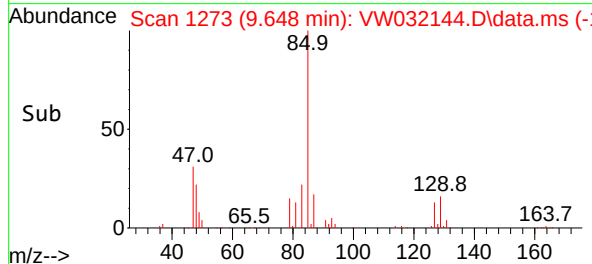
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 200589
Ion Ratio Lower Upper
83 100
85 60.9 48.7 73.1
127 8.0 6.4 9.6

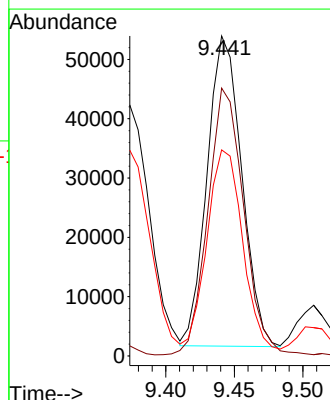
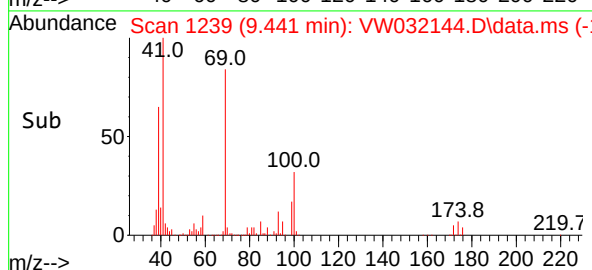
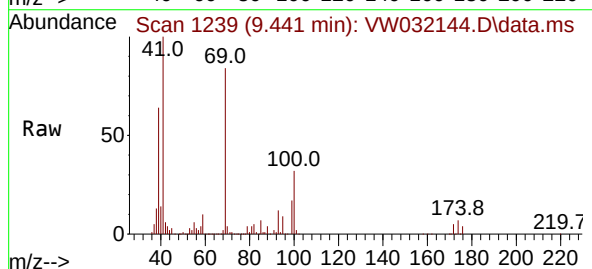
Manual Integrations
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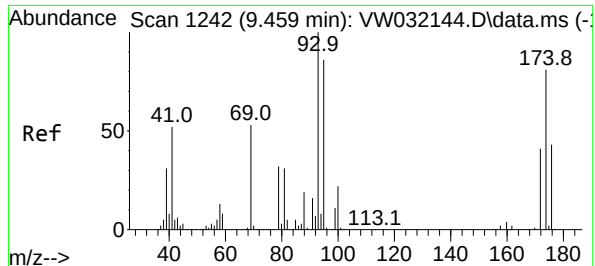
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48
Methyl methacrylate
Concen: 57.519 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 41 Resp: 91758
Ion Ratio Lower Upper
41 100
69 89.4 71.5 107.3
39 69.9 55.9 83.9





#49

1,4-Dioxane

Concen: 1085.077 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 21070

Ion Ratio Lower Upper

88 100

43 22.5 18.0 27.0

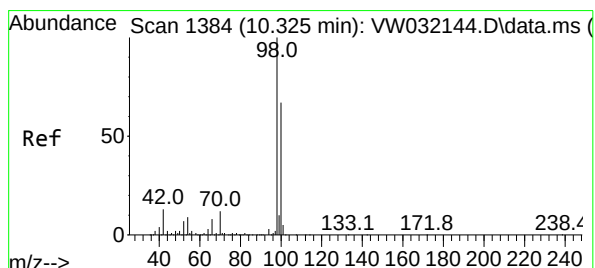
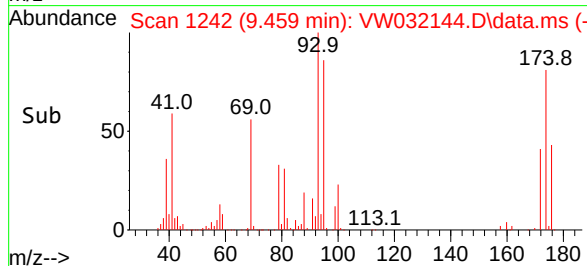
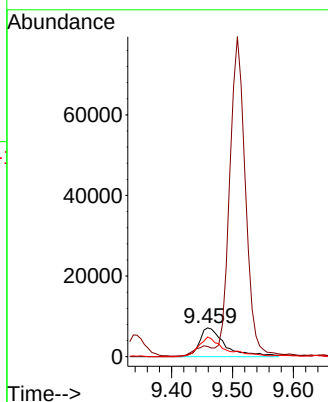
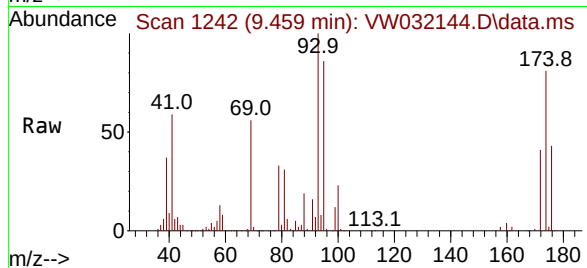
58 69.2 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 53.665 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032144.D

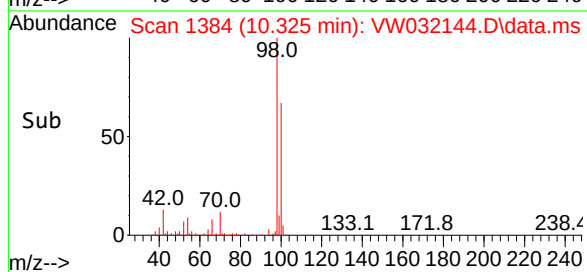
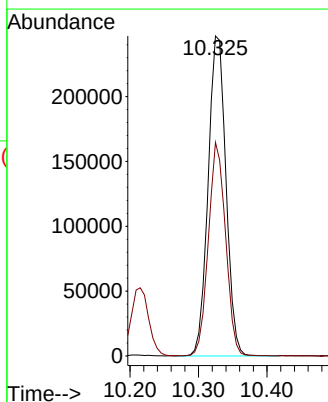
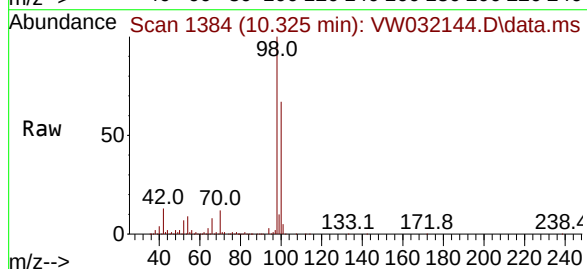
Acq: 26 Aug 2025 12:34

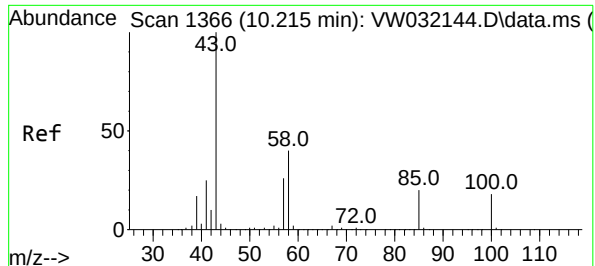
Tgt Ion: 98 Resp: 446917

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2





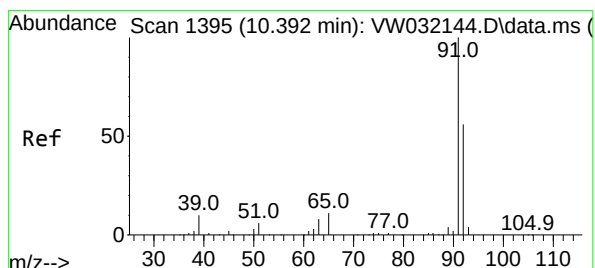
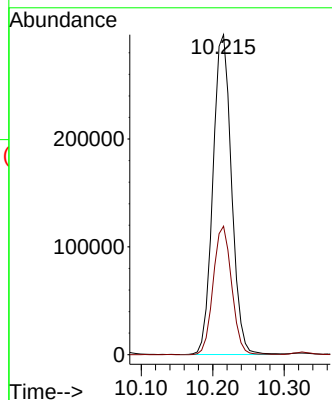
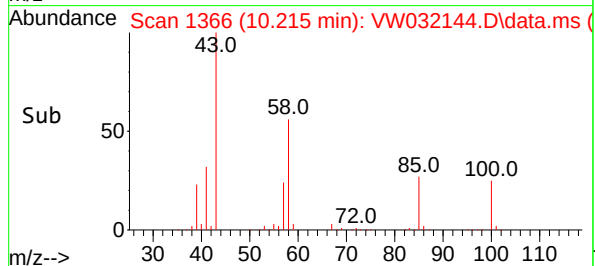
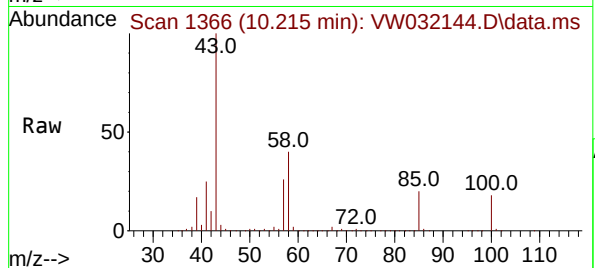
#51
4-Methyl-2-Pentanone
Concen: 273.793 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 535150
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

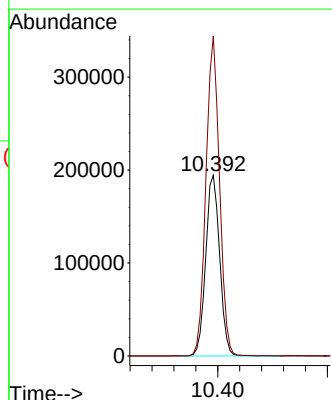
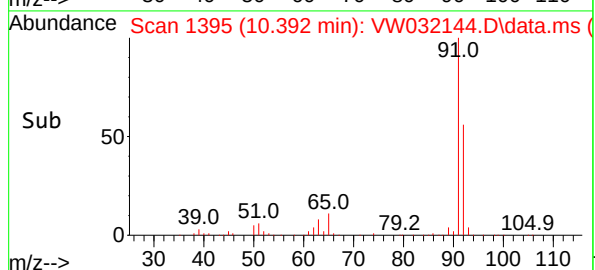
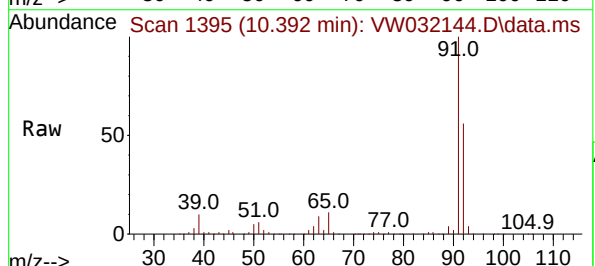
Manual Integrations
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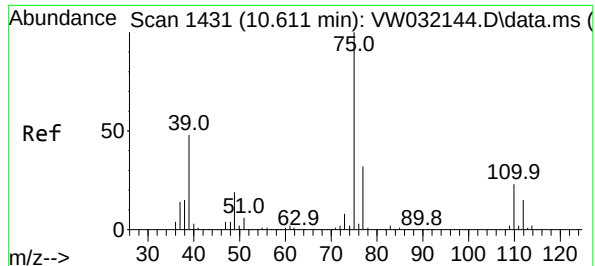
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 54.963 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 92 Resp: 341497
Ion Ratio Lower Upper
92 100
91 171.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 56.425 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 181844

Ion Ratio Lower Upper

75 100

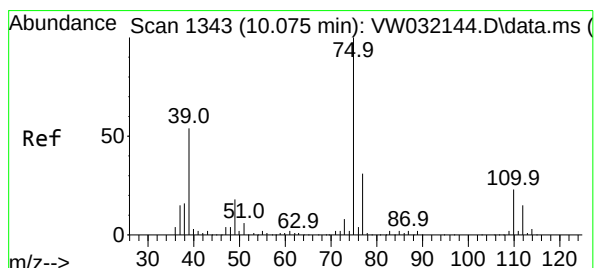
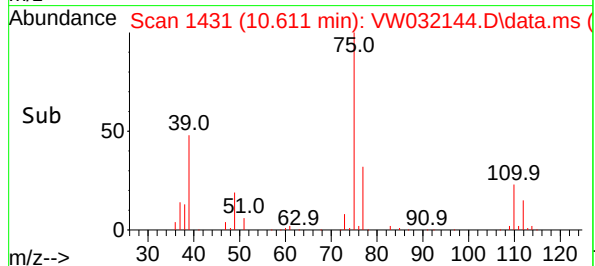
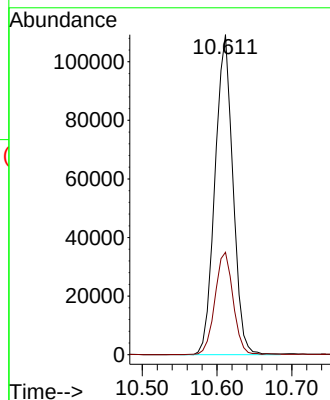
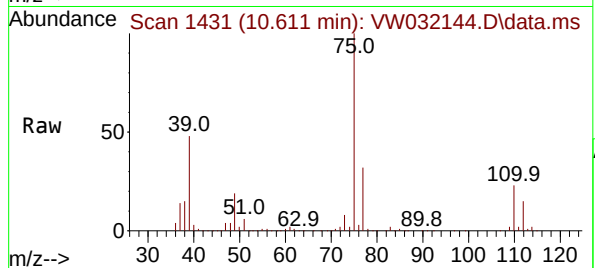
77 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#54

cis-1,3-Dichloropropene

Concen: 56.335 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

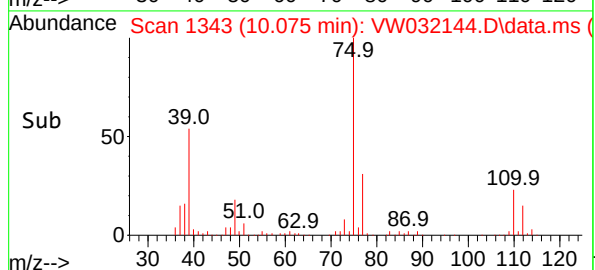
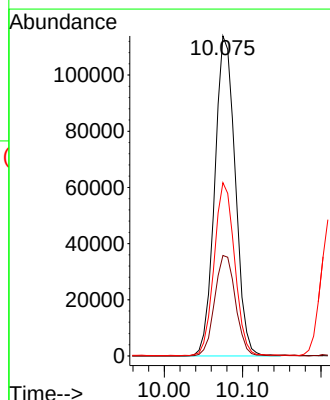
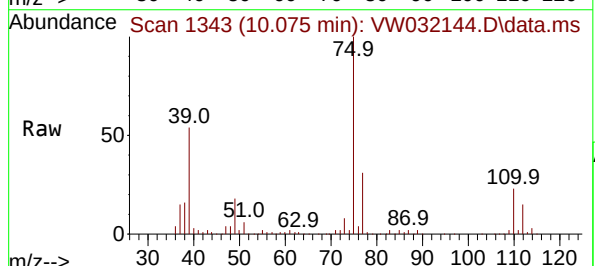
Tgt Ion: 75 Resp: 207161

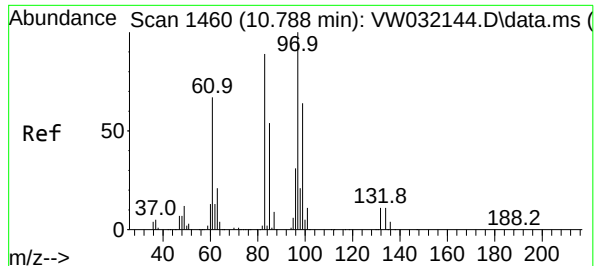
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 54.0 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 52.063 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 108830

Ion Ratio Lower Upper

97 100

83 88.8 71.0 106.6

85 53.5 42.8 64.2

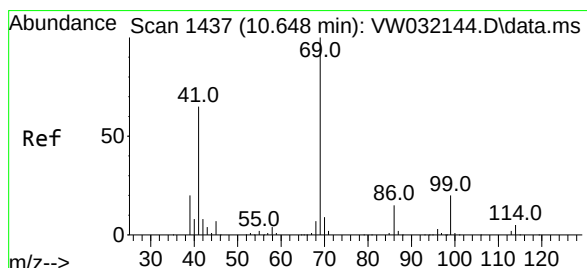
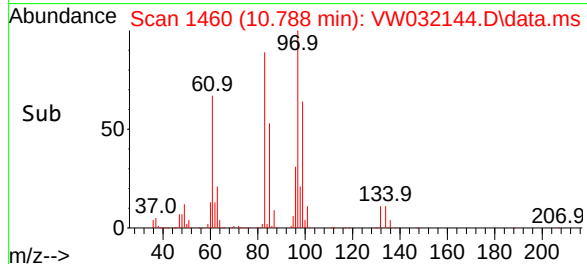
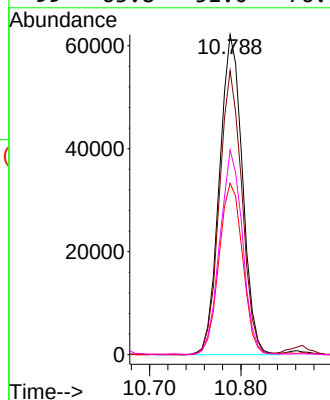
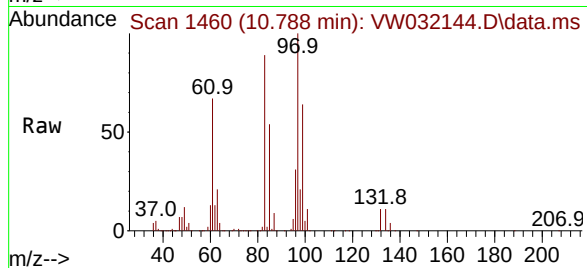
99 63.8 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 57.318 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

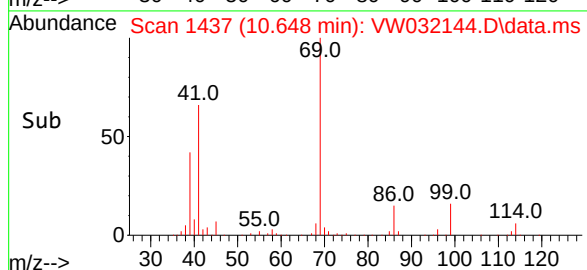
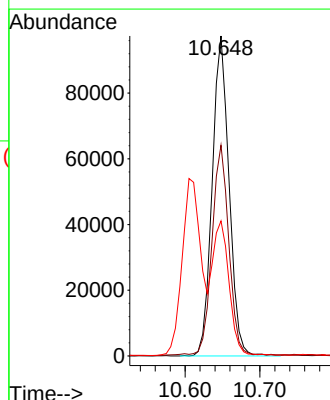
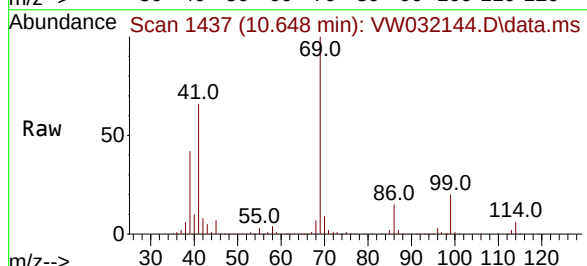
Tgt Ion: 69 Resp: 153187

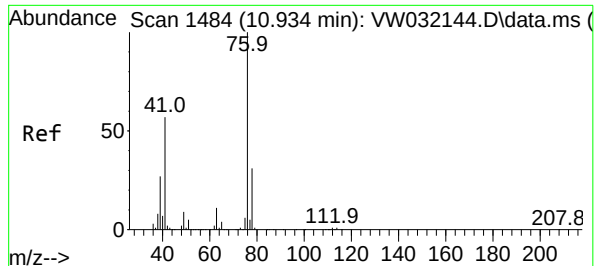
Ion Ratio Lower Upper

69 100

41 66.5 53.2 79.8

39 41.1 32.9 49.3





#57

1,3-Dichloropropane

Concen: 53.407 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 18694

Ion Ratio Lower Upper

76 100

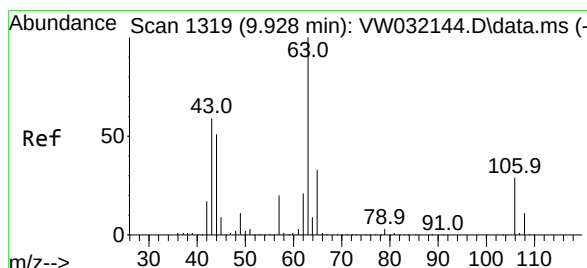
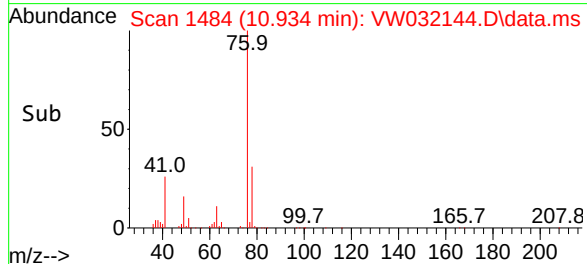
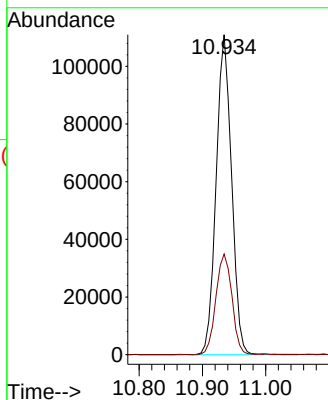
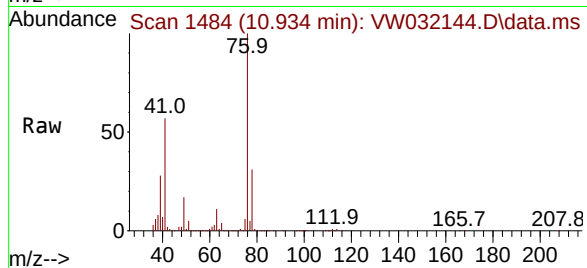
78 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#58

2-Chloroethyl Vinyl ether

Concen: 264.017 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032144.D

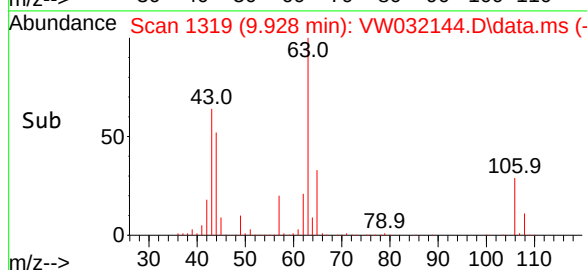
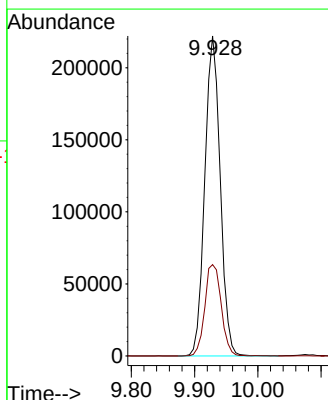
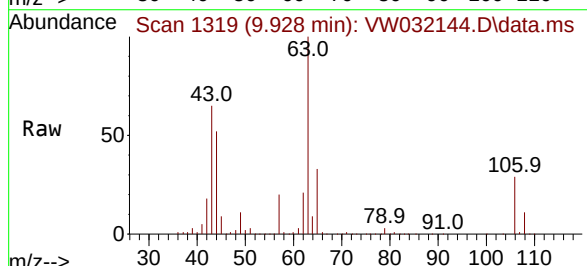
Acq: 26 Aug 2025 12:34

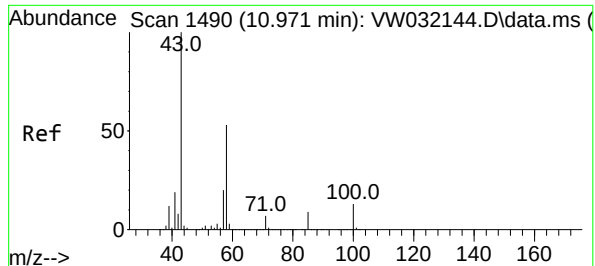
Tgt Ion: 63 Resp: 376622

Ion Ratio Lower Upper

63 100

106 30.4 24.3 36.5





#59

2-Hexanone

Concen: 277.678 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 377468

Ion Ratio Lower Upper

43 100

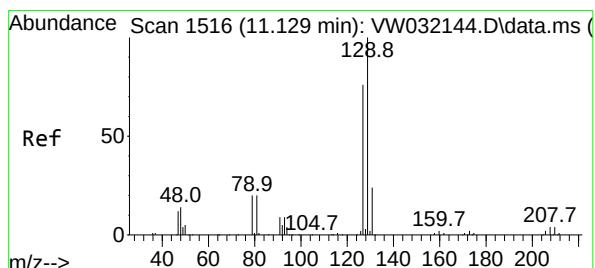
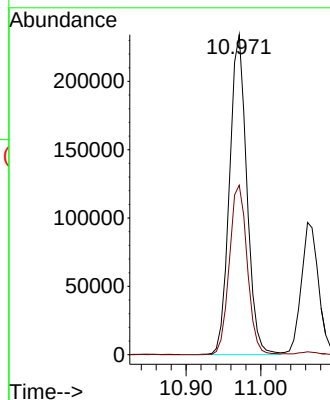
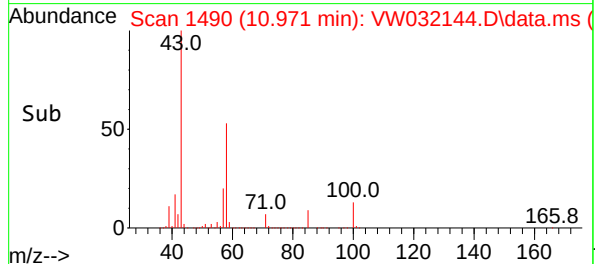
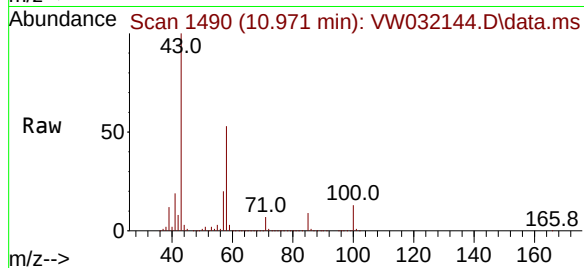
58 54.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 55.391 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032144.D

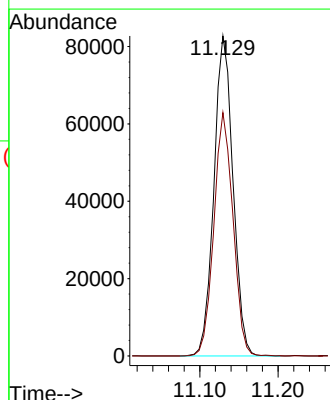
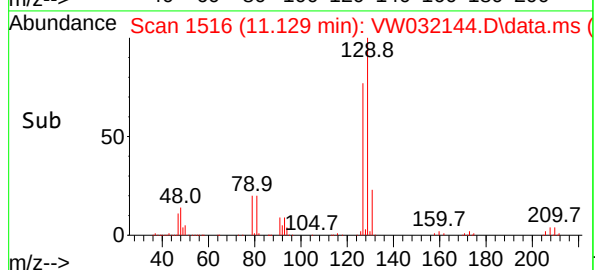
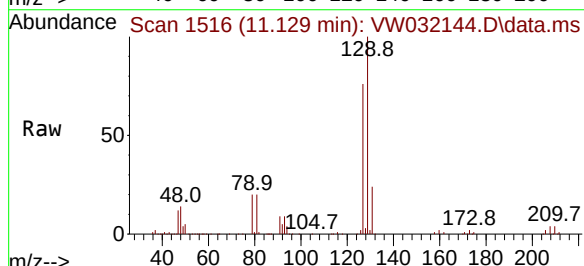
Acq: 26 Aug 2025 12:34

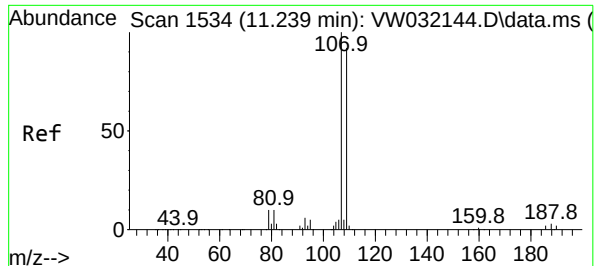
Tgt Ion:129 Resp: 140114

Ion Ratio Lower Upper

129 100

127 76.3 38.1 114.5





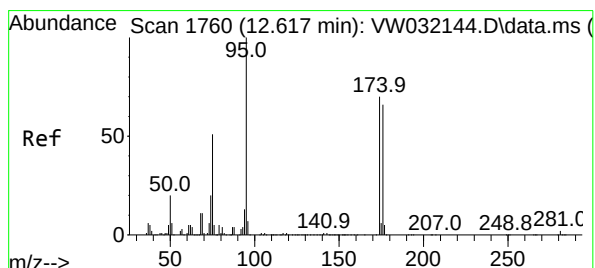
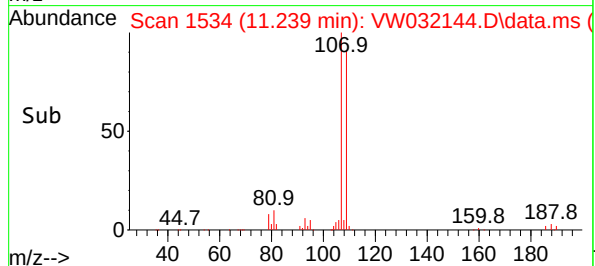
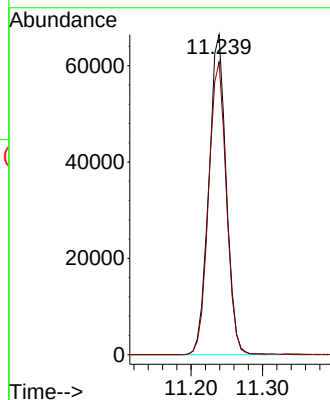
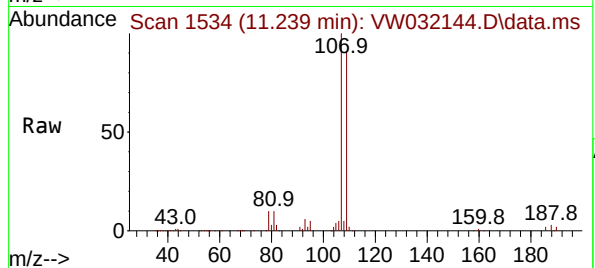
#61
1,2-Dibromoethane
Concen: 54.737 ug/l
RT: 11.239 min Scan# 112520
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 112520
Ion Ratio Lower Upper
107 100
109 93.1 74.5 111.7

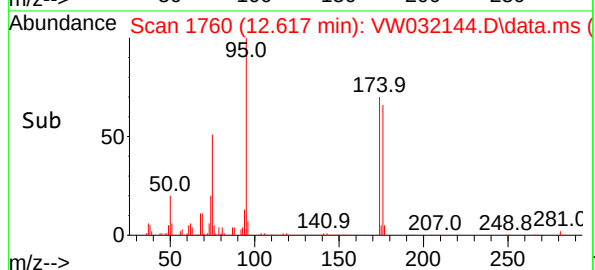
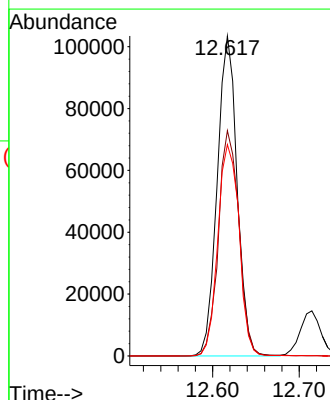
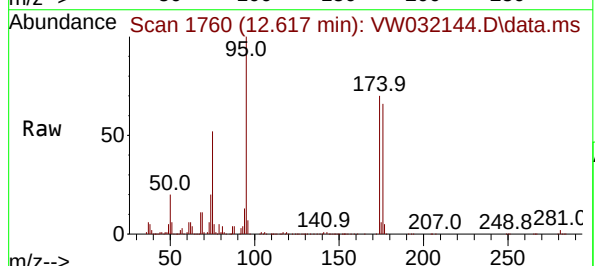
Manual Integrations
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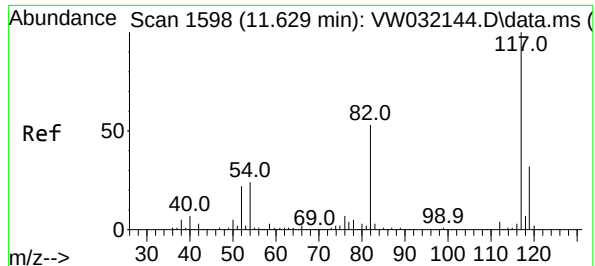
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#62
4-Bromofluorobenzene
Concen: 53.721 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 95 Resp: 165434
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.6
176 70.4 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 317089

Ion Ratio Lower Upper

117 100

82 53.4 42.7 64.1

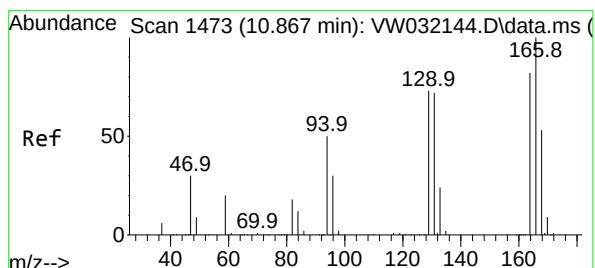
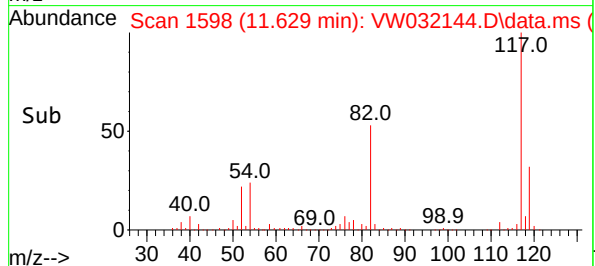
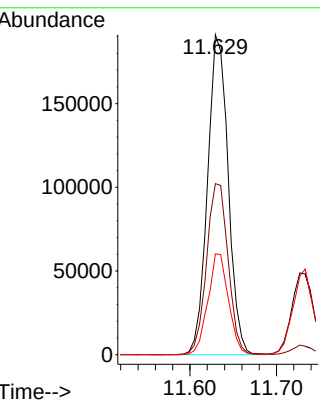
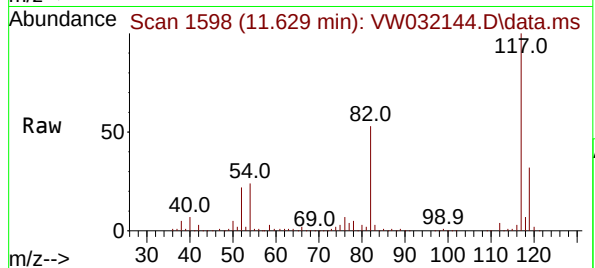
119 31.5 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#64

Tetrachloroethene

Concen: 53.642 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion:164 Resp: 111948

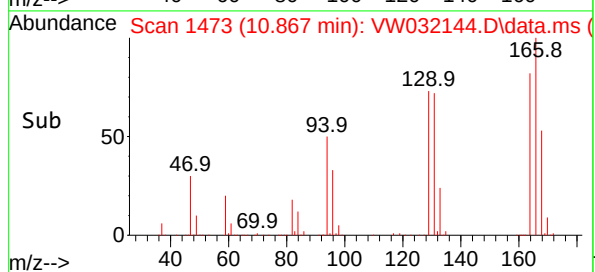
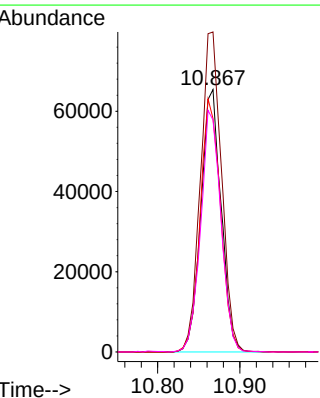
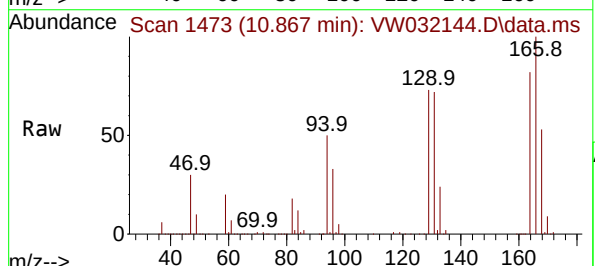
Ion Ratio Lower Upper

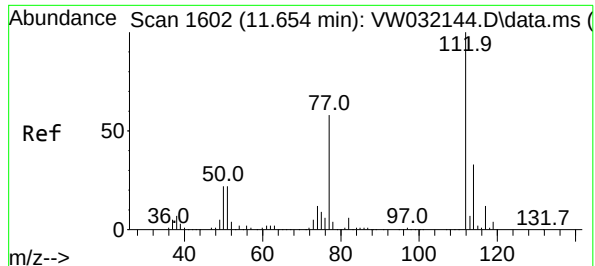
164 100

166 121.9 97.5 146.3

129 89.0 71.2 106.8

131 88.4 70.7 106.1





#65

Chlorobenzene

Concen: 52.277 ug/l

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 377300

Ion Ratio Lower Upper

112 100

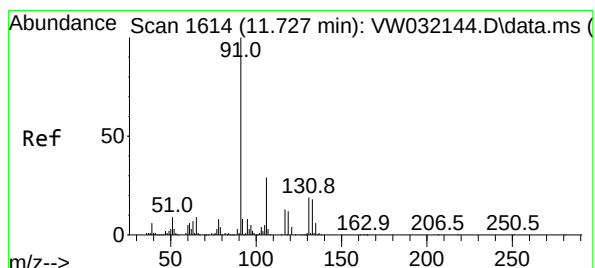
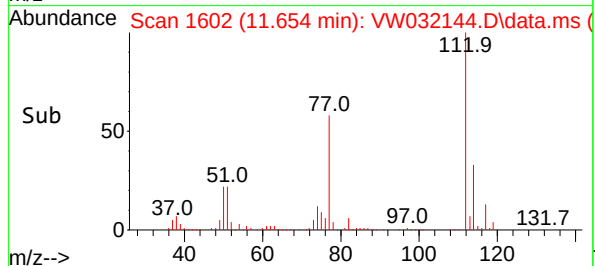
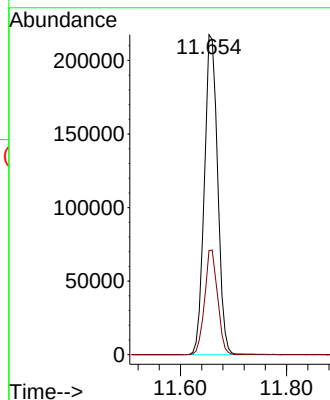
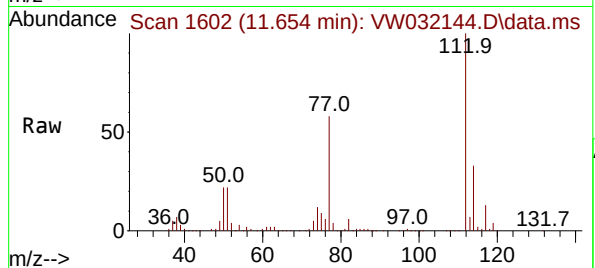
114 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 53.499 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

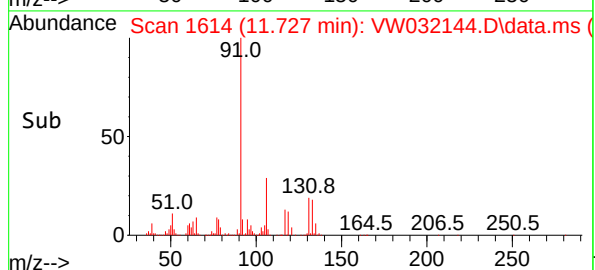
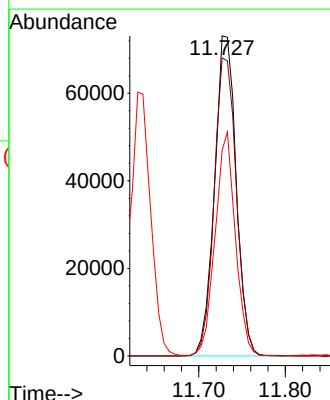
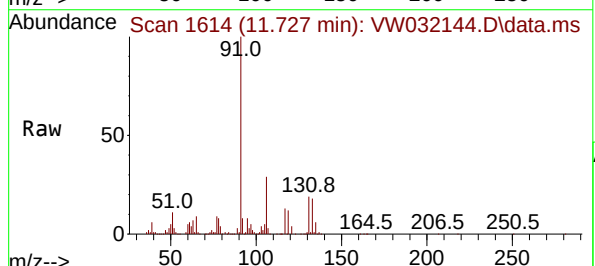
Tgt Ion:131 Resp: 127123

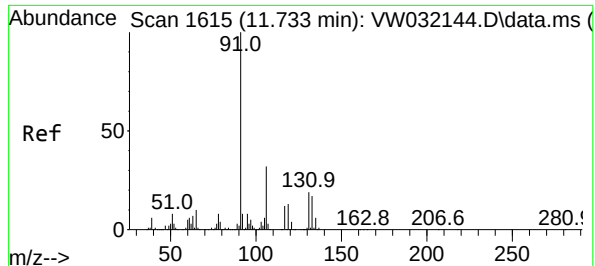
Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 65.5 32.8 98.3





#67

Ethyl Benzene

Concen: 54.348 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 64267

Ion Ratio Lower Upper

91 100

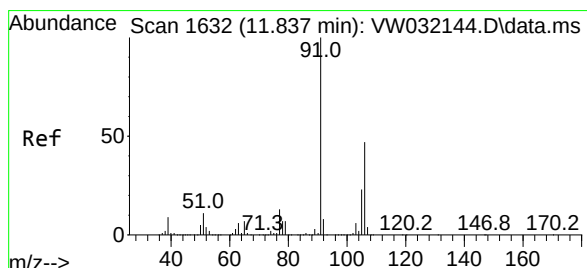
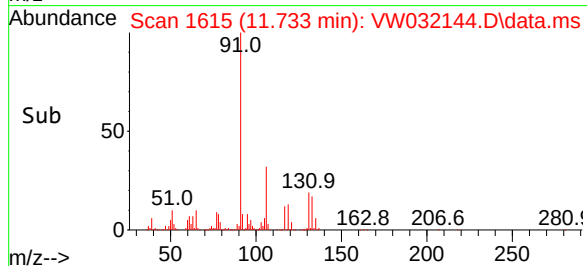
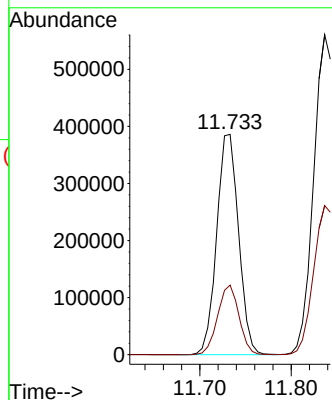
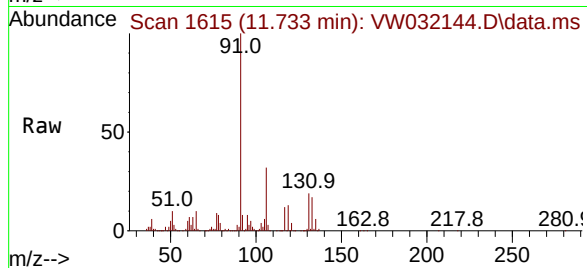
106 31.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 111.156 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032144.D

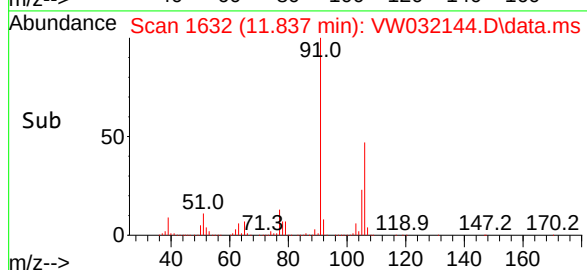
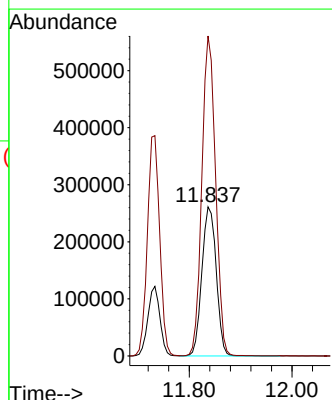
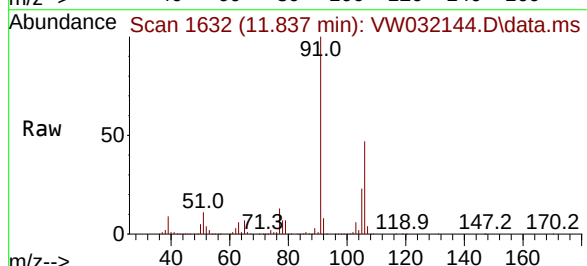
Acq: 26 Aug 2025 12:34

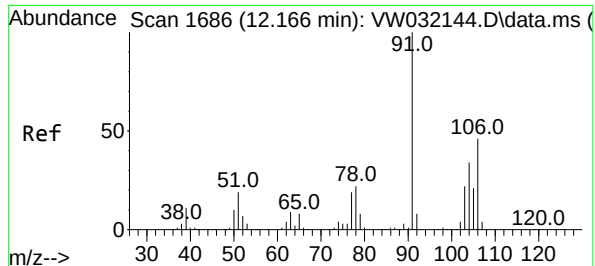
Tgt Ion:106 Resp: 505883

Ion Ratio Lower Upper

106 100

91 205.2 164.2 246.2





#69

o-Xylene

Concen: 55.377 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 238390

Ion Ratio Lower Upper

106 100

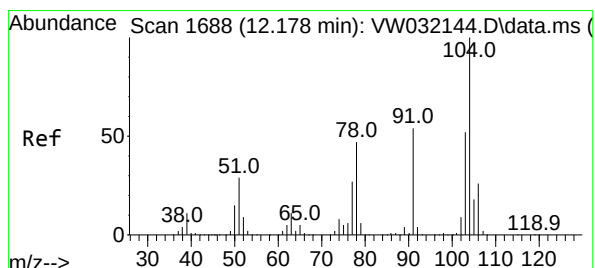
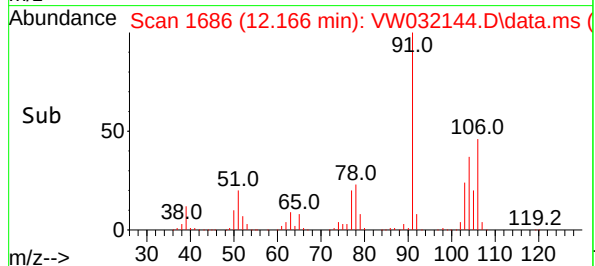
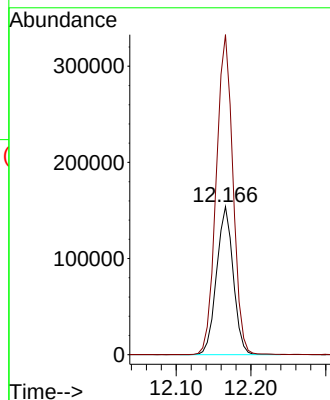
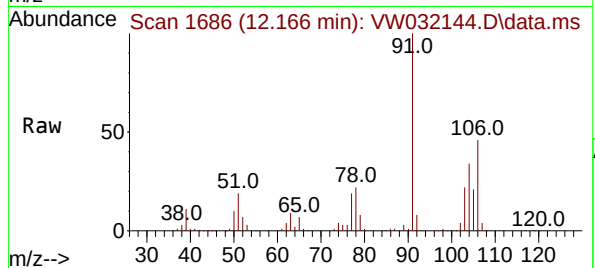
91 217.5 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 55.319 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

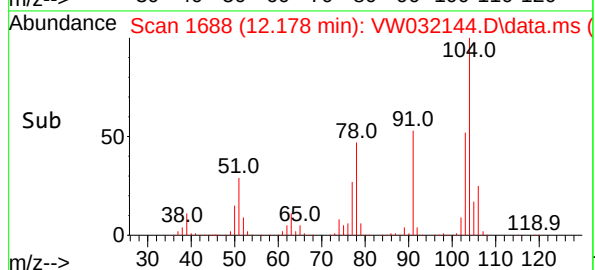
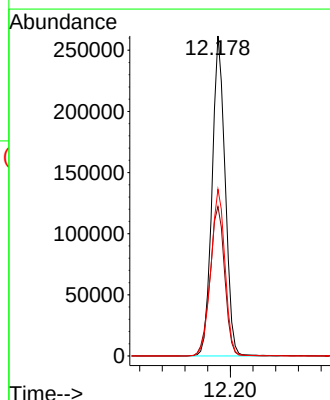
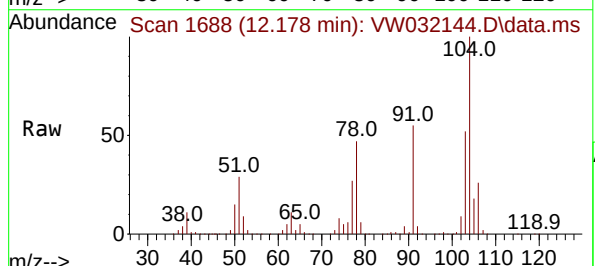
Tgt Ion:104 Resp: 419791

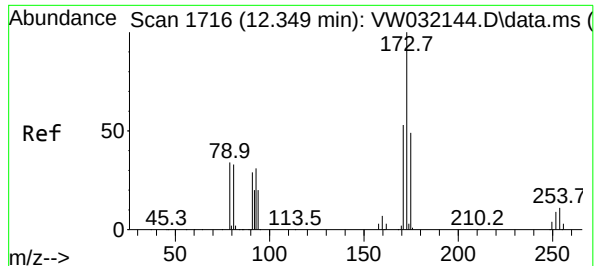
Ion Ratio Lower Upper

104 100

78 52.0 41.6 62.4

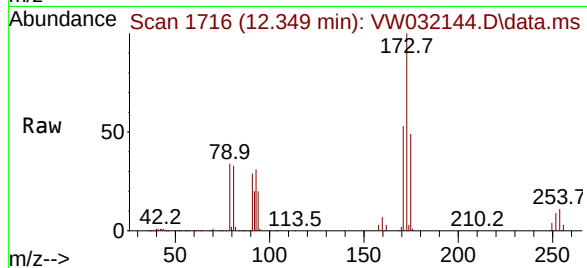
103 56.0 44.8 67.2





#71
Bromoform
Concen: 53.341 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

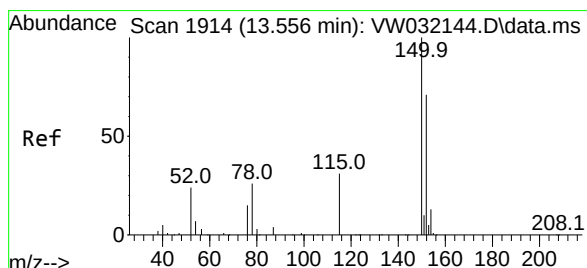
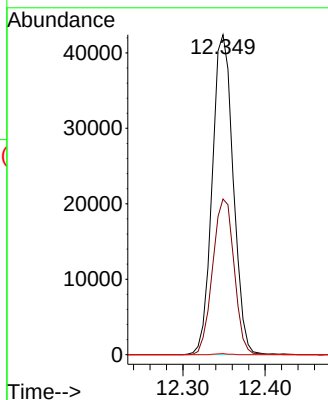
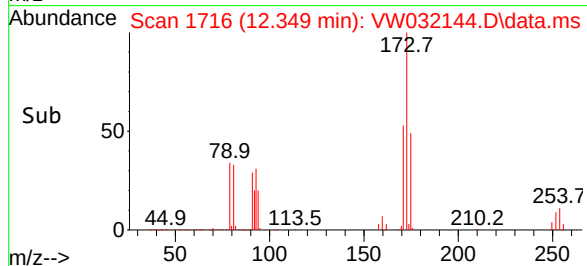
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



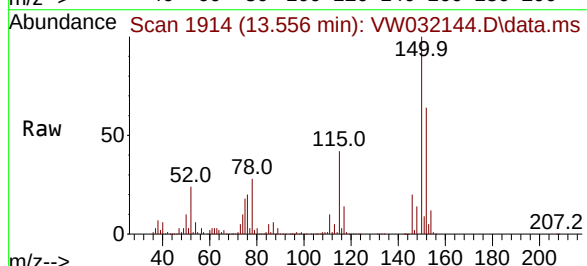
Tgt Ion:173 Resp: 75279
Ion Ratio Lower Upper
173 100
175 49.8 24.9 74.7
254 0.2 0.2 0.2

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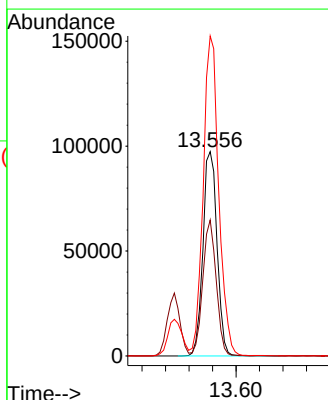
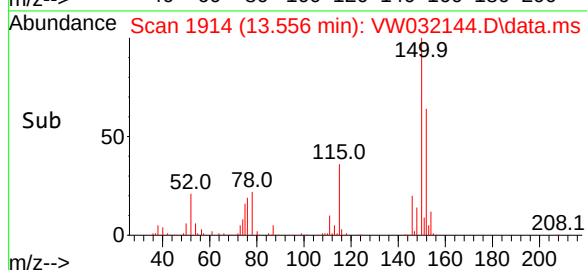
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

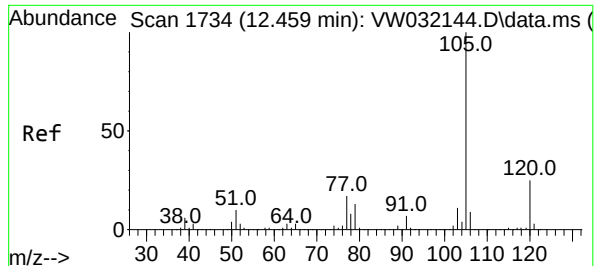


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34



Tgt Ion:152 Resp: 162433
Ion Ratio Lower Upper
152 100
115 63.6 31.8 95.4
150 171.5 0.0 343.0





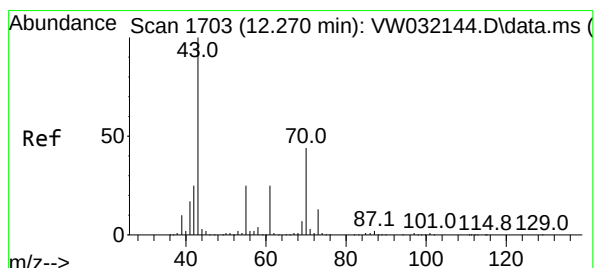
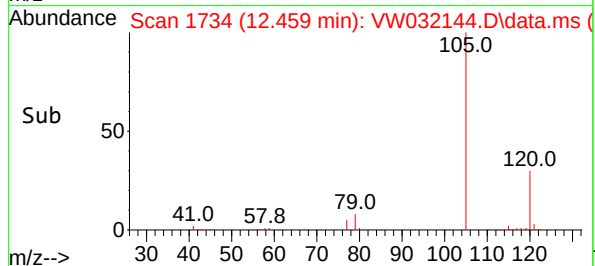
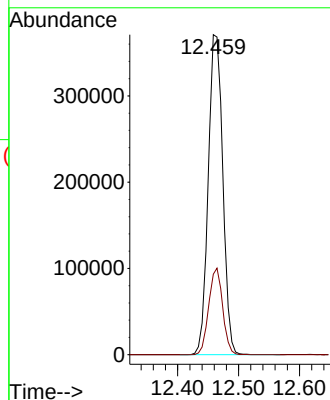
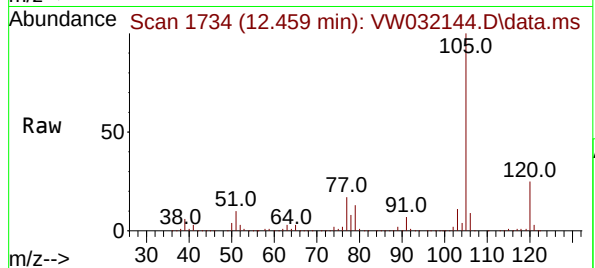
#73
Isopropylbenzene
Concen: 55.757 ug/l
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 61528
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9

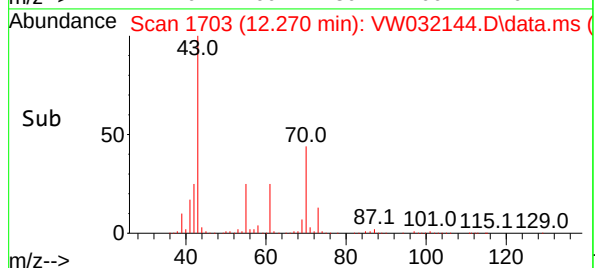
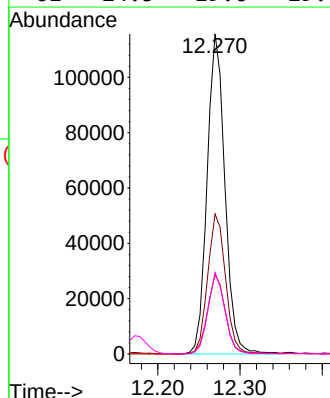
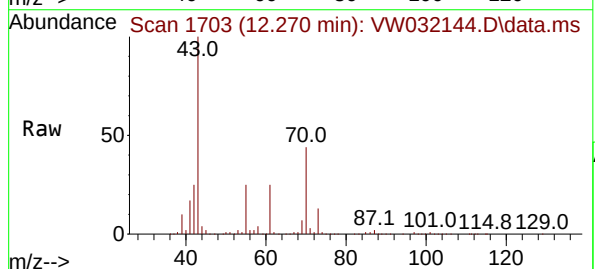
Manual Integrations
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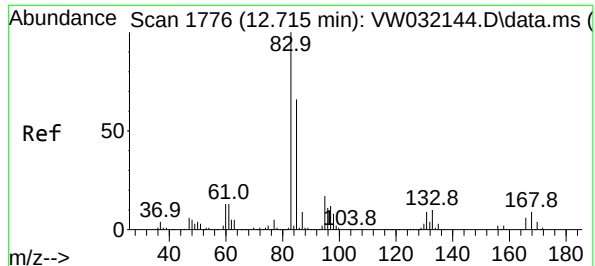
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#74
N-ethyl acetate
Concen: 54.264 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 43 Resp: 173852
Ion Ratio Lower Upper
43 100
70 44.1 35.3 52.9
55 24.9 19.9 29.9
61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.705 ug/l

RT: 12.715 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 138219

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

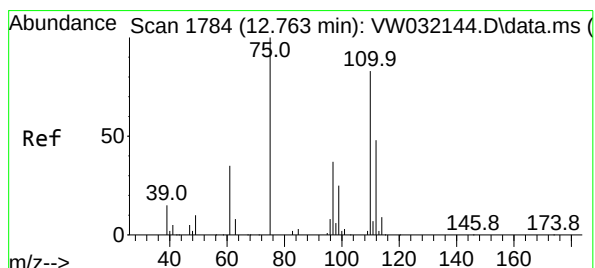
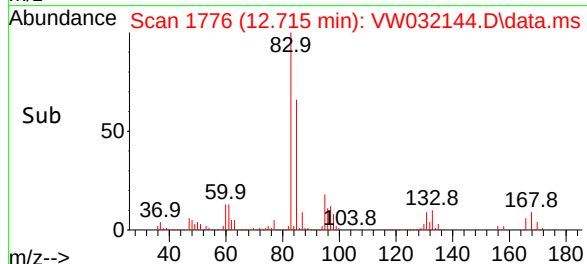
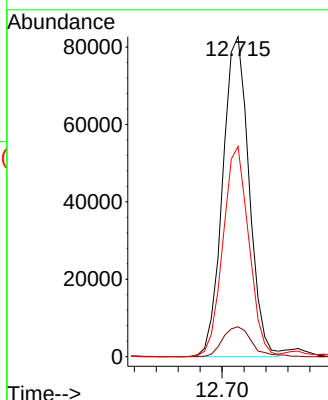
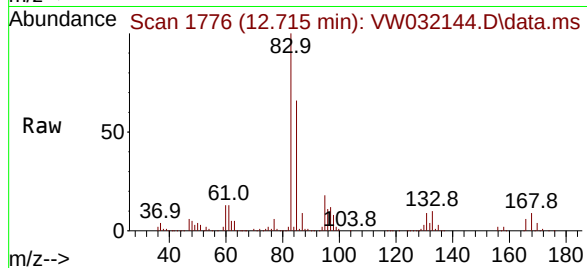
85 64.4 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#76

1,2,3-Trichloropropane

Concen: 49.196 ug/l m

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW032144.D

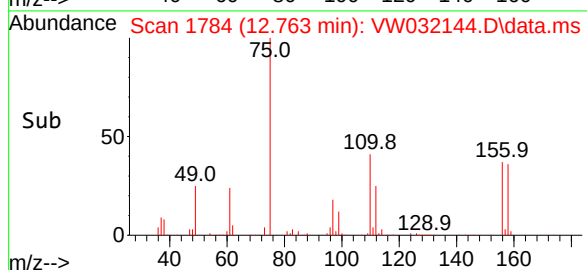
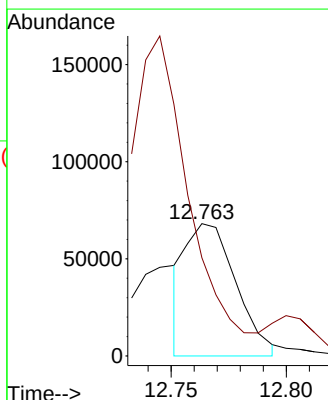
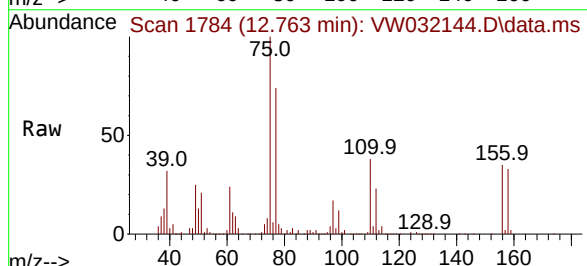
Acq: 26 Aug 2025 12:34

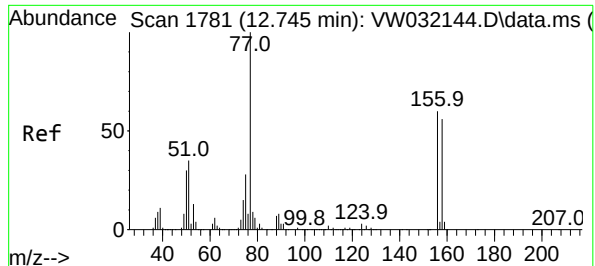
Tgt Ion: 75 Resp: 103468

Ion Ratio Lower Upper

75 100

77 292.9 141.7 425.1





#77

Bromobenzene

Concen: 54.634 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

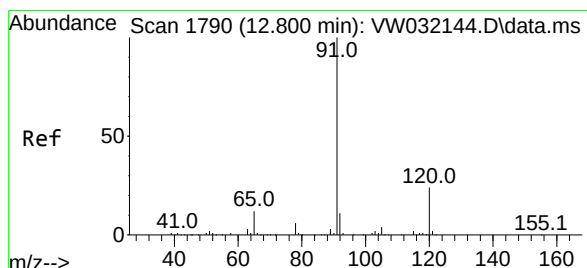
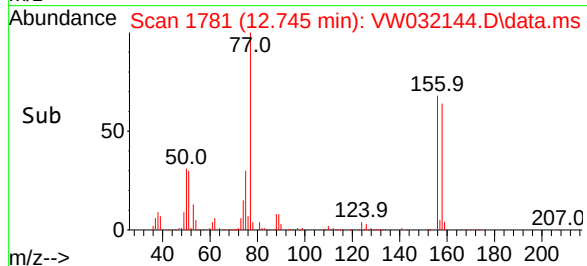
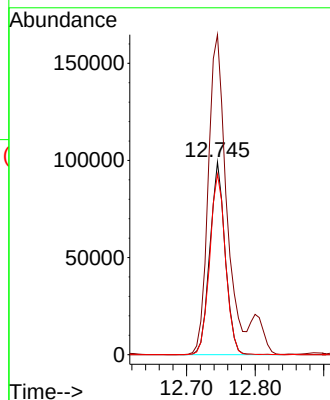
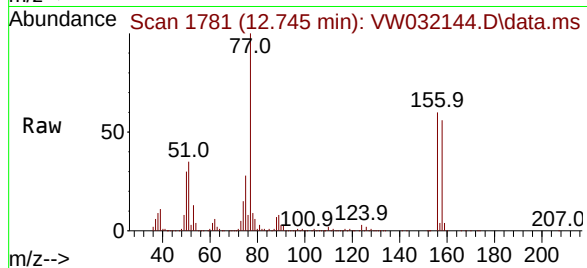
Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:	156	Resp:	153744
Ion Ratio	Lower	Upper	
156	100		
77	197.1	98.6	295.7
158	96.7	48.4	145.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#78

n-propylbenzene

Concen: 55.144 ug/l

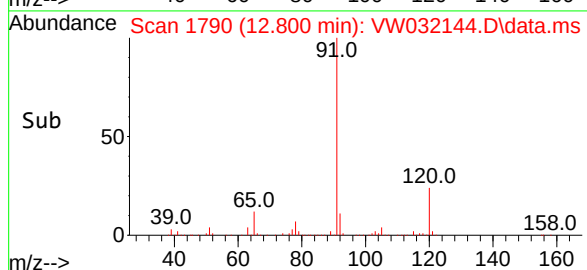
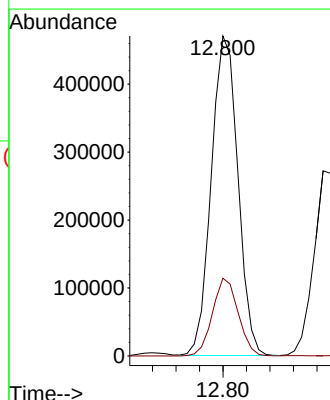
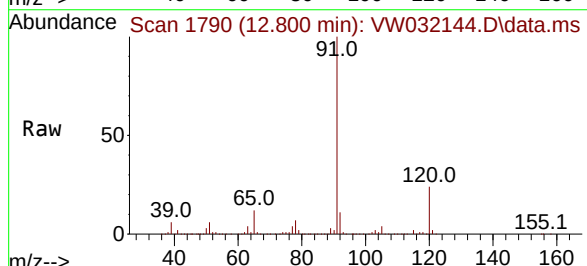
RT: 12.800 min Scan# 1790

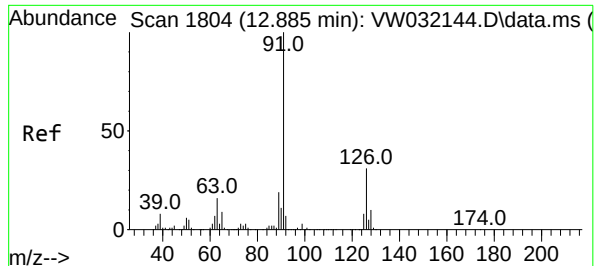
Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion:	91	Resp:	738788
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 54.672 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 447910

Ion Ratio Lower Upper

91 100

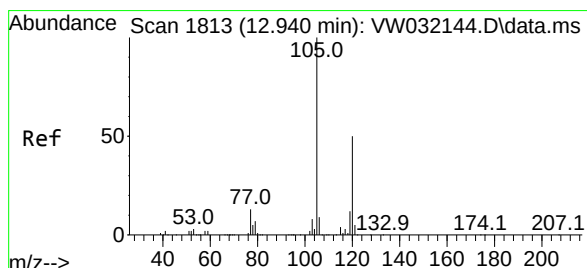
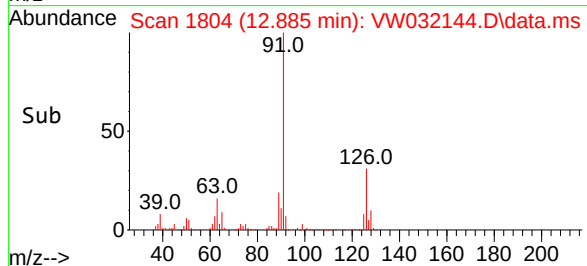
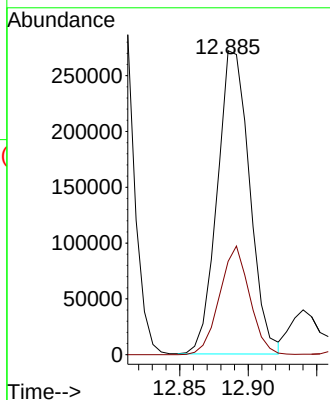
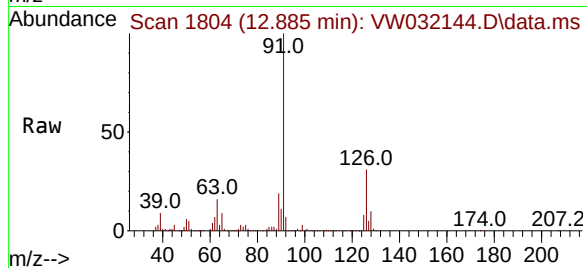
126 33.1 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 55.807 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032144.D

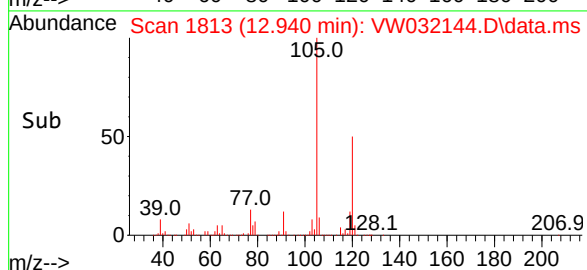
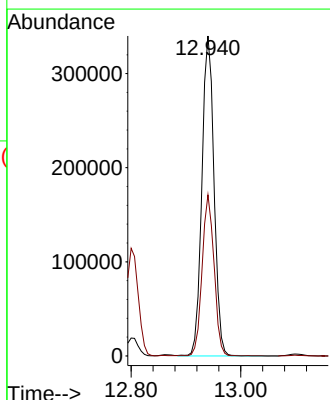
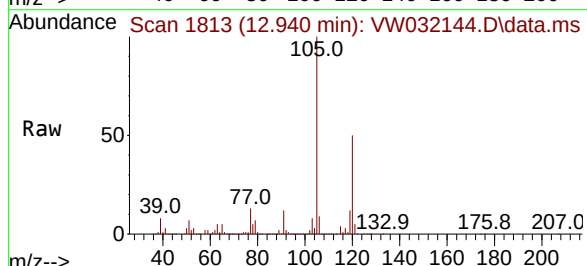
Acq: 26 Aug 2025 12:34

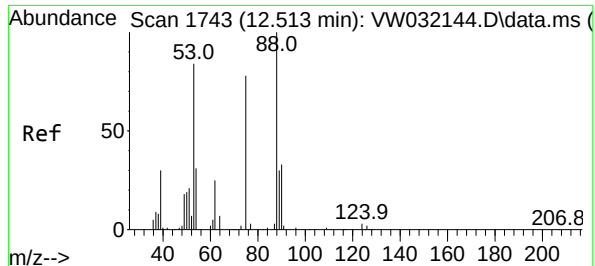
Tgt Ion:105 Resp: 521409

Ion Ratio Lower Upper

105 100

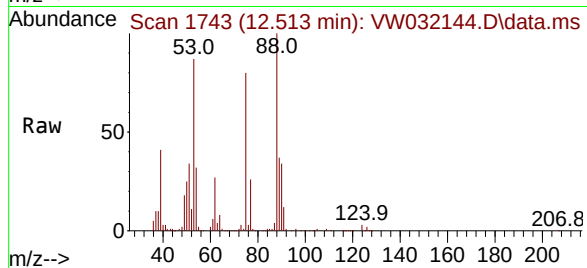
120 49.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 55.859 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

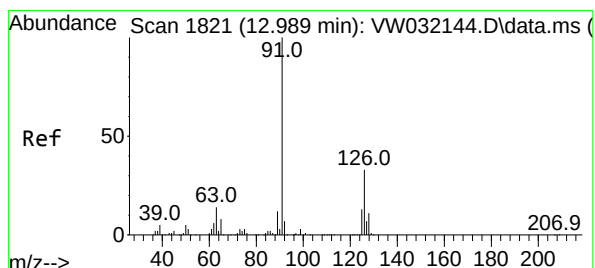
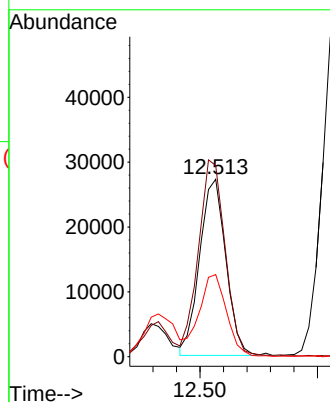
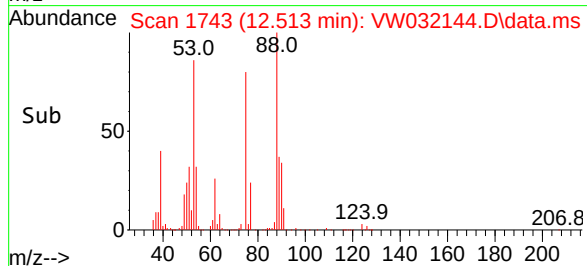
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 42218
Ion Ratio Lower Upper
75 100
53 113.8 91.0 136.6
89 49.3 39.4 59.2

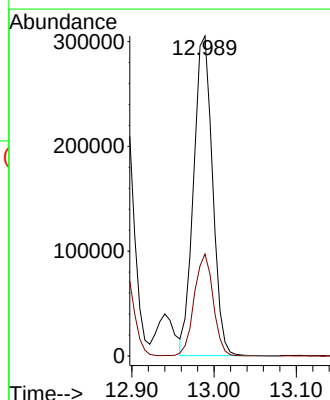
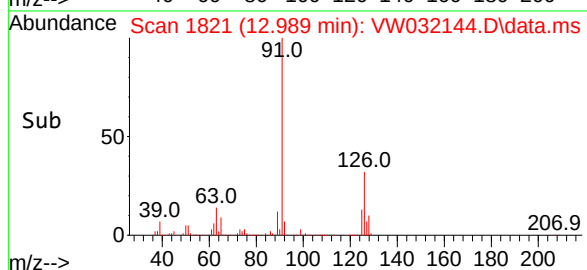
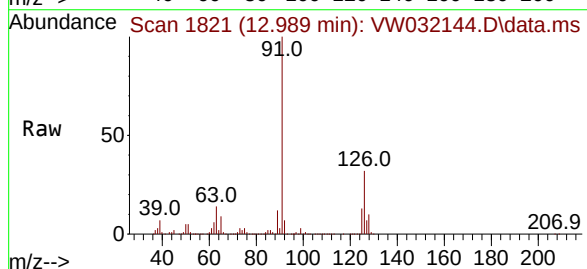
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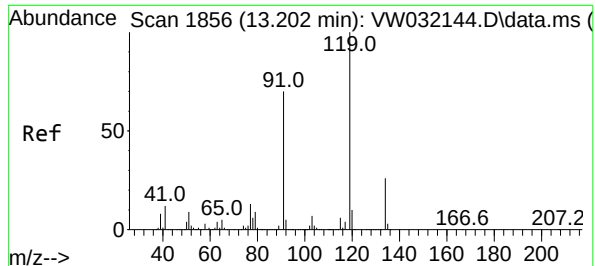
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 55.480 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion: 91 Resp: 486529
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2





#83

tert-Butylbenzene

Concen: 57.970 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 45923

Ion Ratio Lower Upper

119 100

91 67.5 33.8 101.3

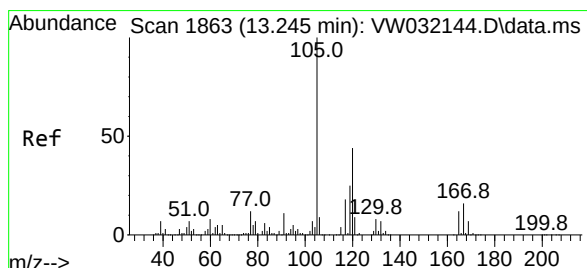
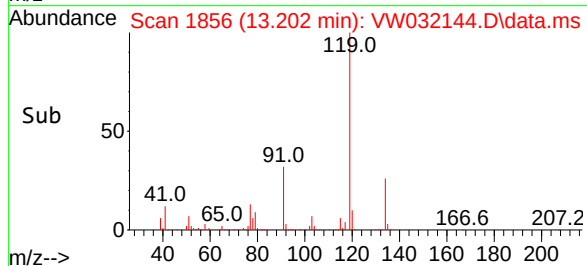
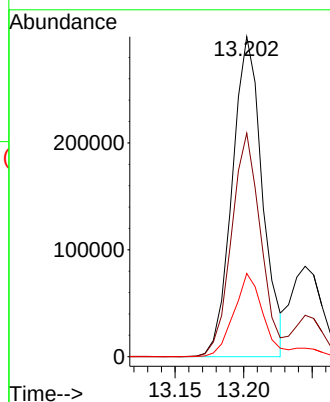
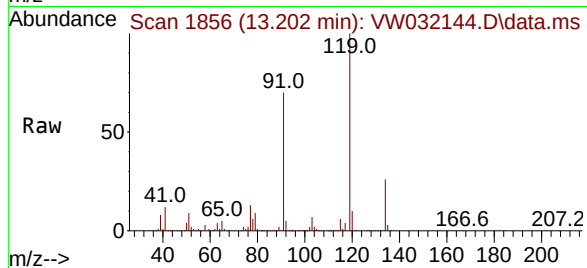
134 25.0 12.5 37.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

Concen: 56.352 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032144.D

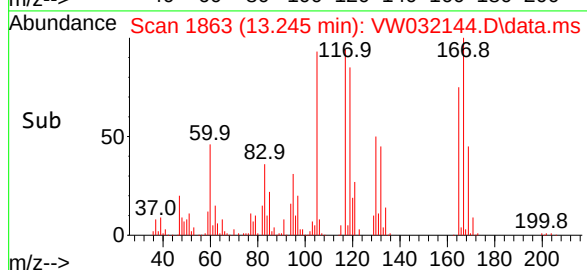
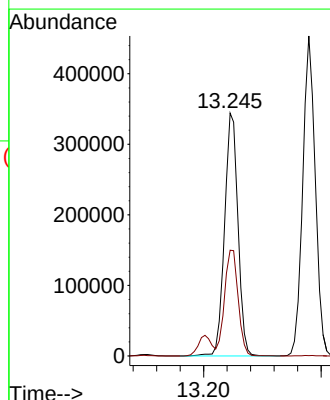
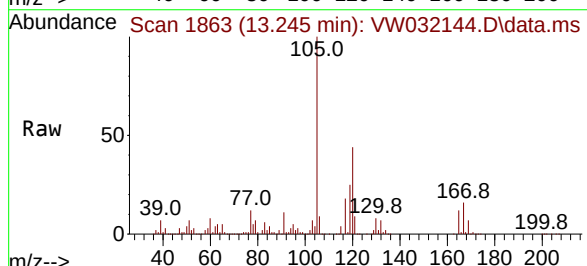
Acq: 26 Aug 2025 12:34

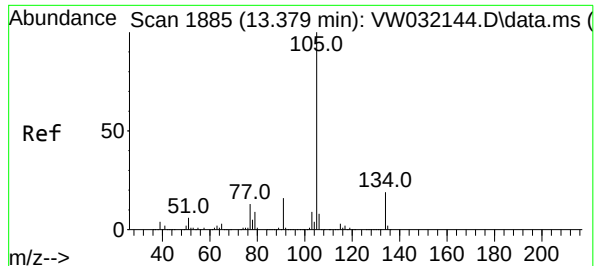
Tgt Ion:105 Resp: 544709

Ion Ratio Lower Upper

105 100

120 44.2 22.1 66.3





#85

sec-Butylbenzene

Concen: 56.681 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 670404

Ion Ratio Lower Upper

105 100

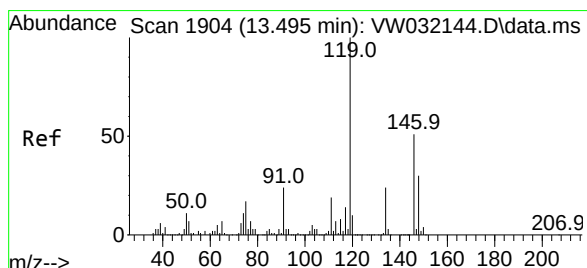
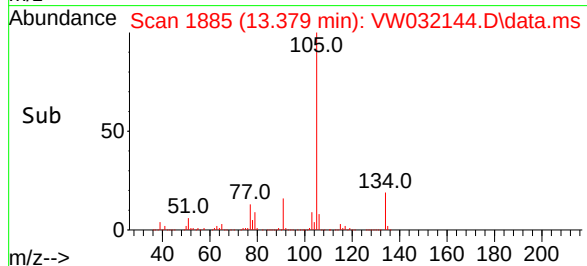
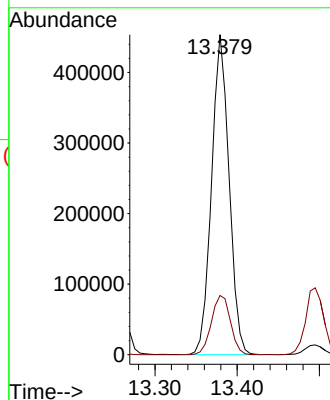
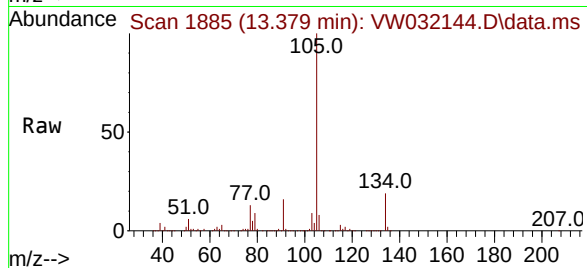
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#86

p-Isopropyltoluene

Concen: 56.797 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

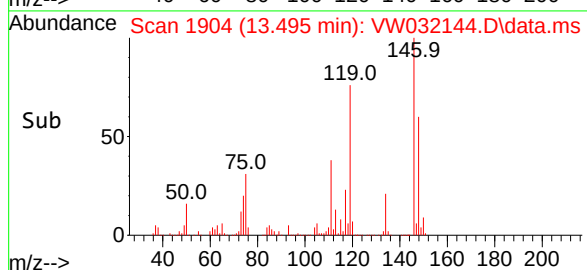
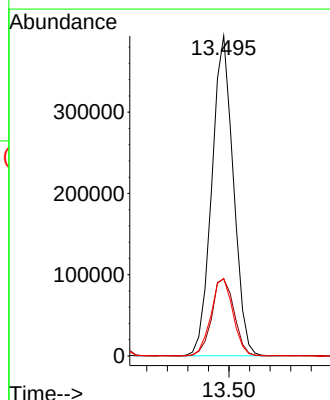
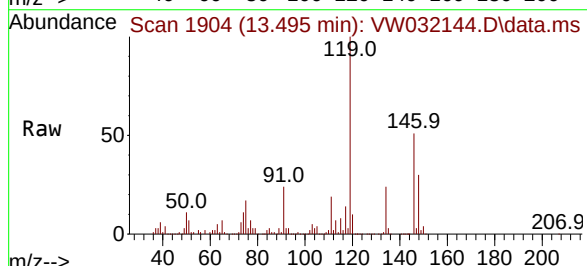
Tgt Ion:119 Resp: 571291

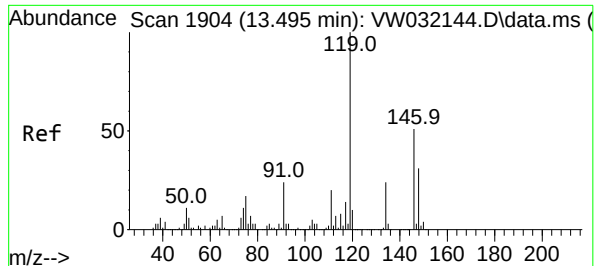
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 24.7 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 54.430 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 308402

Ion Ratio Lower Upper

146 100

111 41.3 20.6 61.9

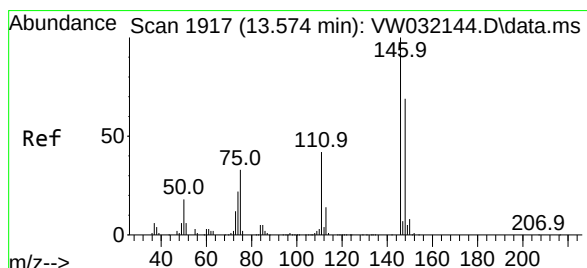
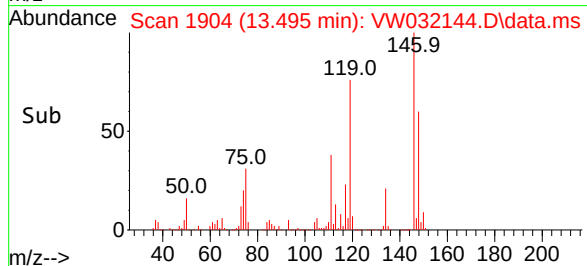
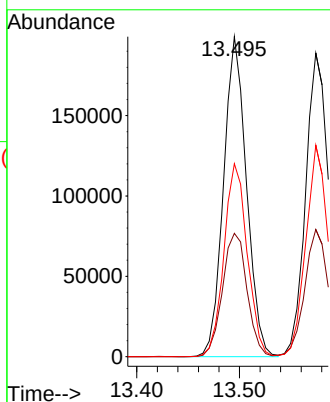
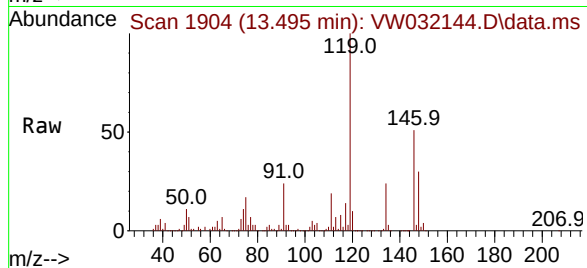
148 61.3 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 52.272 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

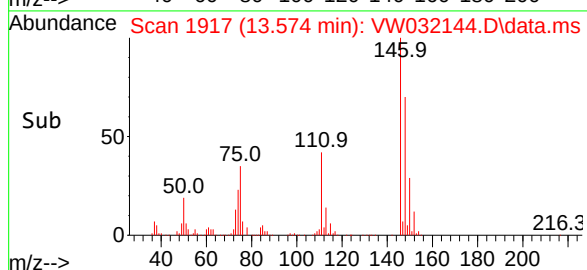
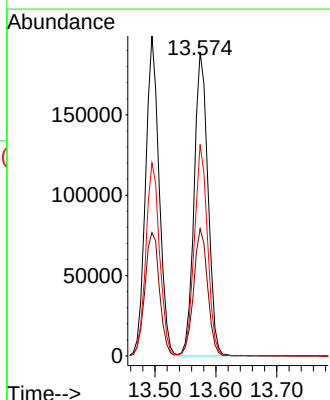
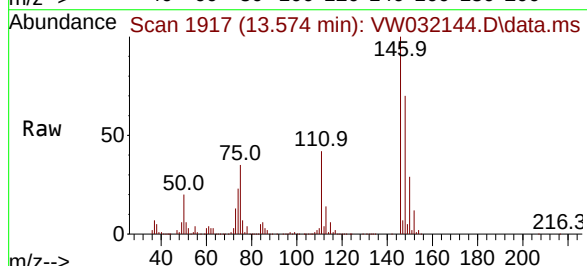
Tgt Ion:146 Resp: 296872

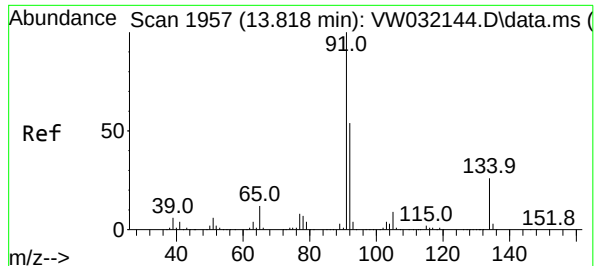
Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

148 66.7 33.4 100.1





#89

n-Butylbenzene

Concen: 56.520 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

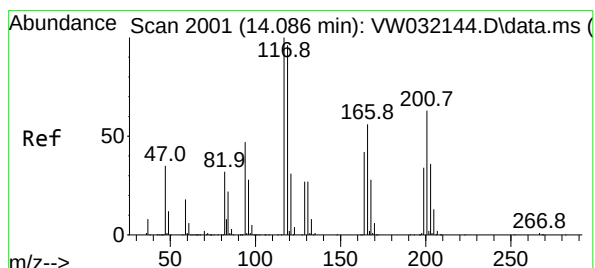
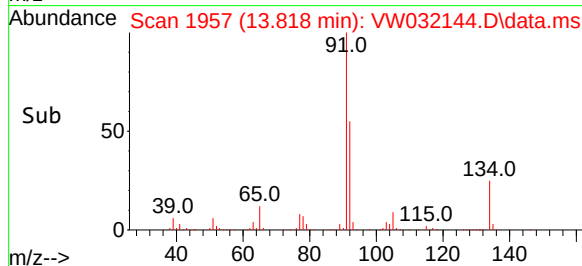
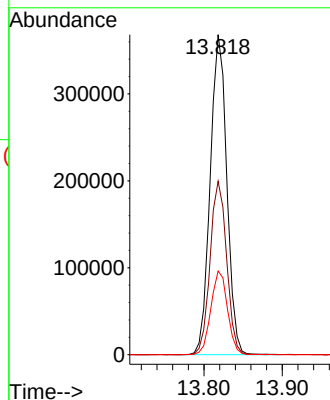
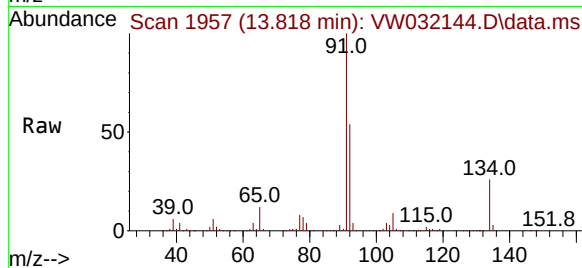
ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 541998
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 26.2 13.1 39.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 53.776 ug/l

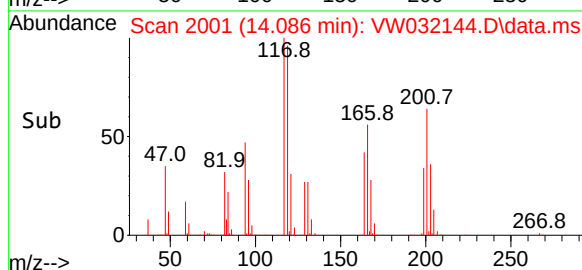
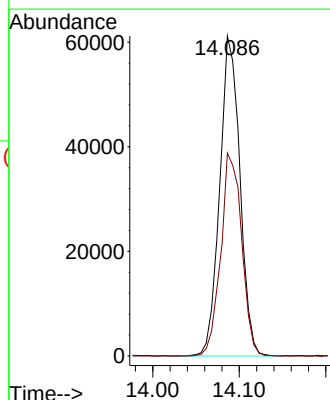
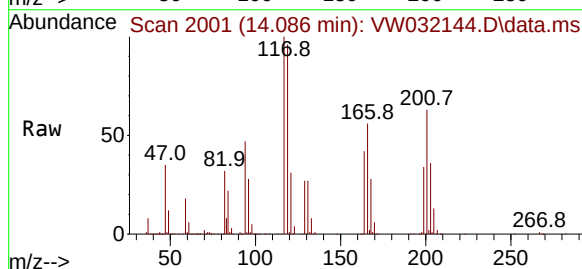
RT: 14.086 min Scan# 2001

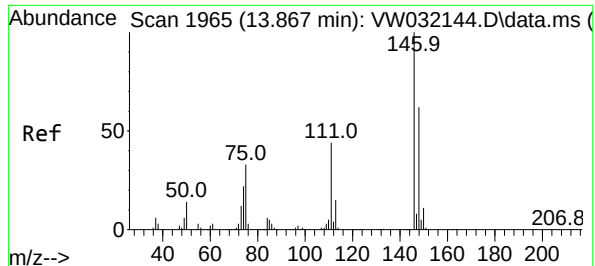
Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Tgt Ion:117 Resp: 98938
Ion Ratio Lower Upper
117 100
201 65.6 32.8 98.4





#91

1,2-Dichlorobenzene

Concen: 50.553 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 25360

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.0

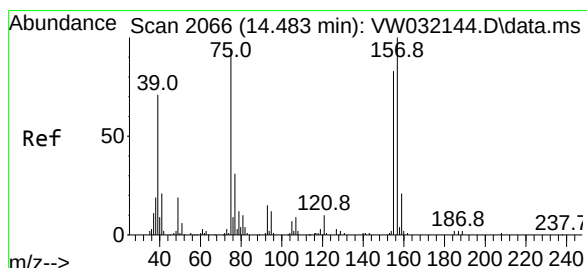
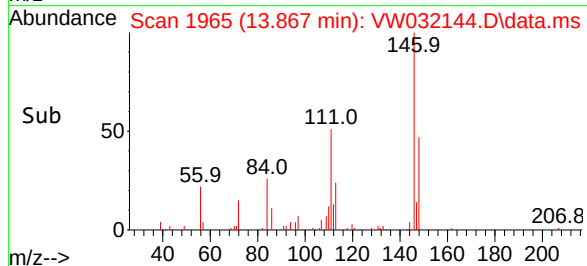
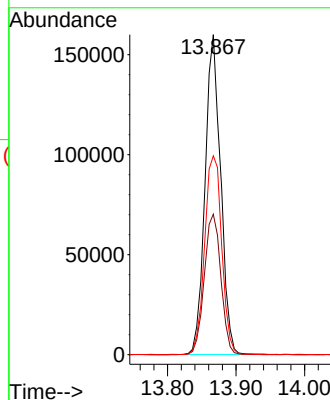
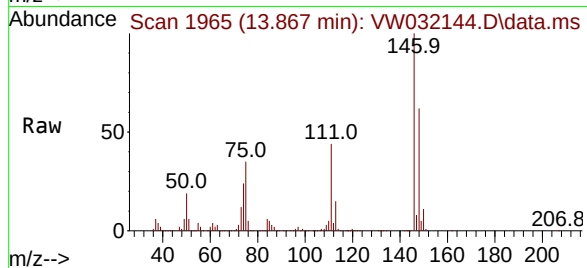
148 68.2 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.271 ug/l

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

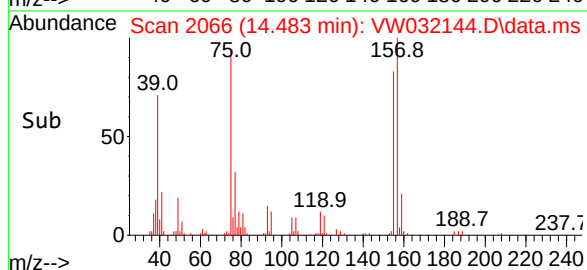
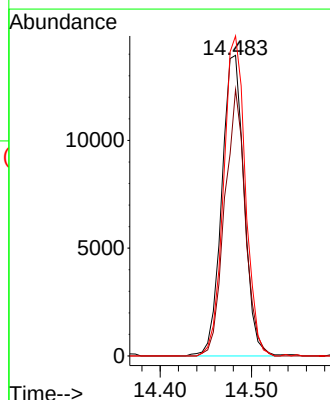
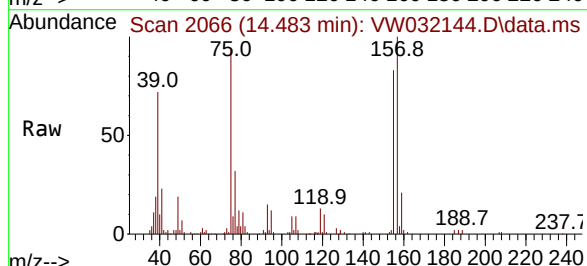
Tgt Ion: 75 Resp: 23754

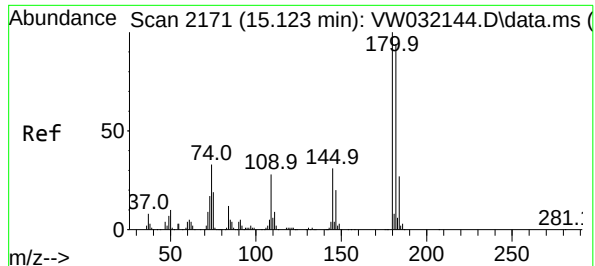
Ion Ratio Lower Upper

75 100

155 81.7 40.8 122.5

157 103.6 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 55.100 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 17660

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.2

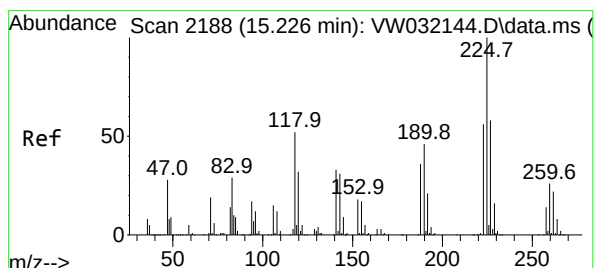
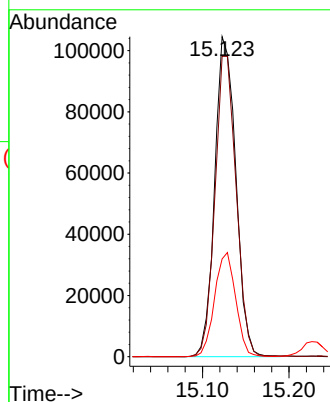
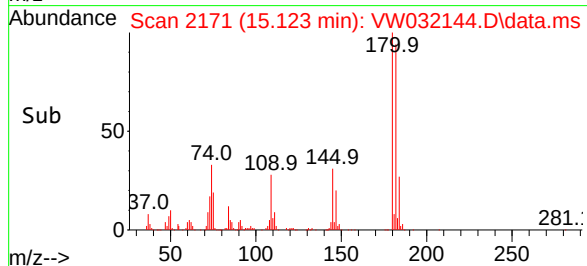
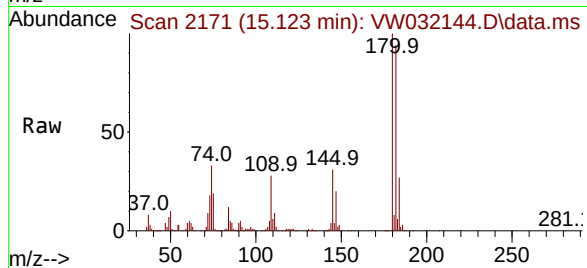
145 32.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 56.532 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032144.D

Acq: 26 Aug 2025 12:34

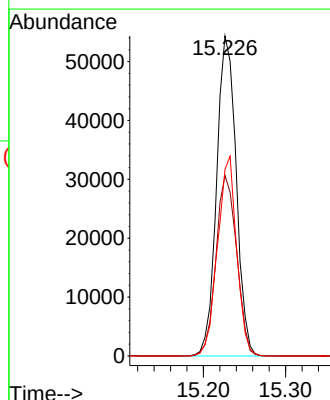
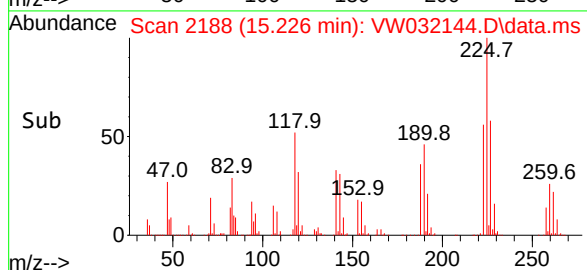
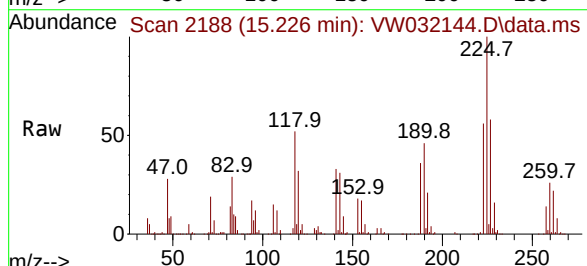
Tgt Ion:225 Resp: 89862

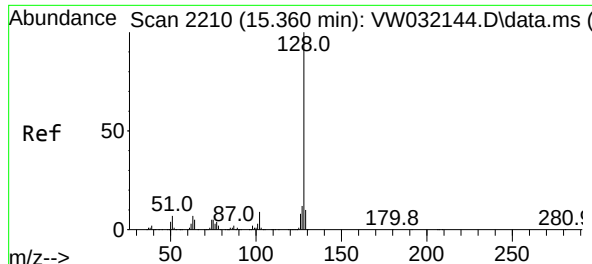
Ion Ratio Lower Upper

225 100

223 59.5 29.8 89.3

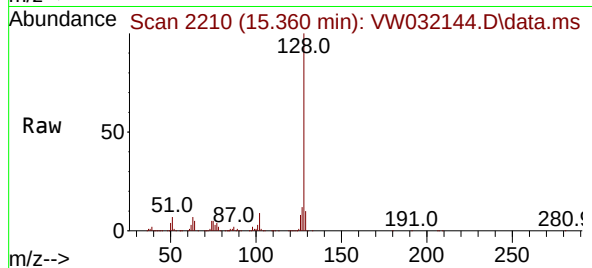
227 61.0 30.5 91.5





#95
Naphthalene
Concen: 55.245 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

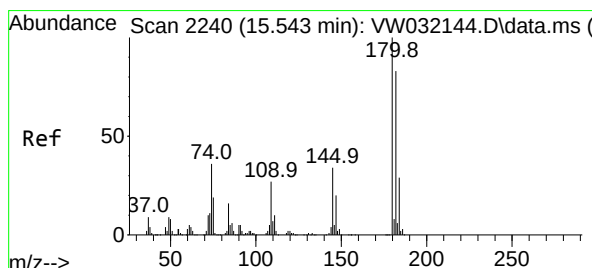
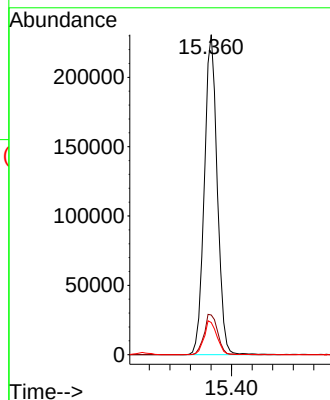
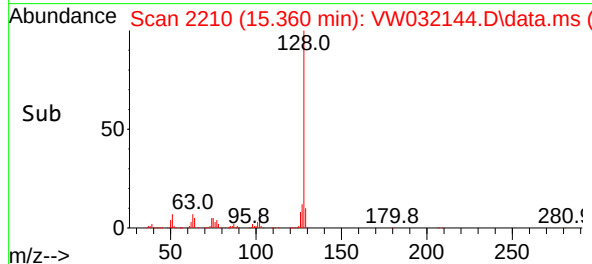
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 400729
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.5 8.4 12.6

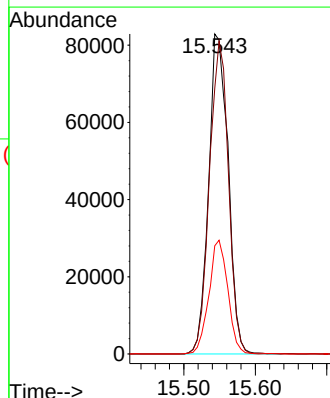
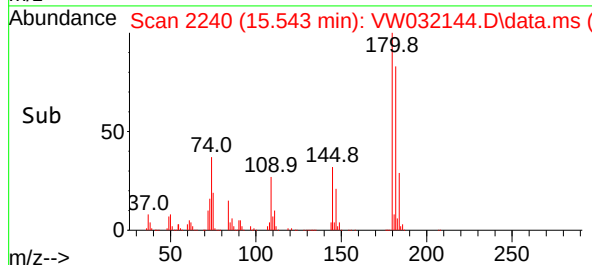
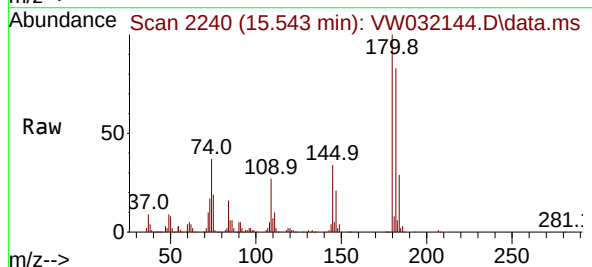
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.737 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VW032144.D
Acq: 26 Aug 2025 12:34

Tgt Ion:180 Resp: 157194
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 34.4 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032146.D
 Acq On : 26 Aug 2025 13:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 04:20:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	236475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	392388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	355176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185134	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	142013	41.992	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	83.980%
35) Dibromofluoromethane	7.898	113	119103	43.264	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	86.520%
50) Toluene-d8	10.325	98	439822	45.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.617	95	160725	44.975	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	89.940%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	71027	45.493	ug/l	94
3) Chloromethane	2.253	50	74645	45.600	ug/l	97
4) Vinyl Chloride	2.405	62	98427	46.293	ug/l	94
5) Bromomethane	2.820	94	83324	43.886	ug/l	98
6) Chloroethane	2.966	64	67597	45.145	ug/l	98
7) Trichlorofluoromethane	3.308	101	95752	45.452	ug/l	97
8) Diethyl Ether	3.716	74	69352	44.114	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	116342	49.024	ug/l	97
10) Methyl Iodide	4.313	142	167339	46.309	ug/l	100
11) Tert butyl alcohol	5.216	59	46191	223.294	ug/l	98
12) 1,1-Dichloroethene	4.076	96	121250	48.515	ug/l	93
13) Acrolein	3.929	56	64957	204.279	ug/l	98
14) Allyl chloride	4.704	41	174391	49.124	ug/l	99
15) Acrylonitrile	5.405	53	178789	233.915	ug/l	98
16) Acetone	4.161	43	191131	260.957	ug/l	100
17) Carbon Disulfide	4.423	76	304371	48.692	ug/l	100
18) Methyl Acetate	4.704	43	106336	45.567	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	228547	48.426	ug/l	99
20) Methylene Chloride	4.948	84	142919	47.403	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	133792	47.921	ug/l	90
22) Diisopropyl ether	6.344	45	378823	49.029	ug/l	96
23) Vinyl Acetate	6.283	43	1286517	244.903	ug/l	99
24) 1,1-Dichloroethane	6.240	63	233811	46.223	ug/l	99
25) 2-Butanone	7.191	43	258276	248.853	ug/l	97
26) 2,2-Dichloropropane	7.185	77	137122	51.190	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	160482	47.237	ug/l	99
28) Bromochloromethane	7.532	49	103711	44.789	ug/l	100
29) Tetrahydrofuran	7.551	42	152131	230.667	ug/l	100
30) Chloroform	7.691	83	272139	47.122	ug/l	99
31) Cyclohexane	7.965	56	193679	46.650	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	205549	48.756	ug/l	99
36) 1,1-Dichloropropene	8.093	75	179756	50.360	ug/l	98
37) Ethyl Acetate	7.270	43	103297	48.241	ug/l	98
38) Carbon Tetrachloride	8.081	117	195403	51.066	ug/l	99
39) Methylcyclohexane	9.343	83	230384	54.492	ug/l	99
40) Benzene	8.331	78	545356	49.427	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032146.D
 Acq On : 26 Aug 2025 13:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 04:20:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	59390	49.922	ug/l	93
42) 1,2-Dichloroethane	8.410	62	185296	48.444	ug/l	100
43) Isopropyl Acetate	8.435	43	195050	48.555	ug/l	99
44) Trichloroethene	9.099	130	139951	50.438	ug/l	95
45) 1,2-Dichloropropane	9.374	63	127962	48.110	ug/l	99
46) Dibromomethane	9.465	93	88183	47.269	ug/l	97
47) Bromodichloromethane	9.648	83	205595	48.496	ug/l	96
48) Methyl methacrylate	9.441	41	91140	49.232	ug/l	96
49) 1,4-Dioxane	9.465	88	23894	1060.060	ug/l	98
51) 4-Methyl-2-Pentanone	10.209	43	558035	246.021	ug/l	99
52) Toluene	10.392	92	351771	48.788	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	192451	51.459	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	213648	50.066	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	111445	45.940	ug/l	95
56) Ethyl methacrylate	10.648	69	159388	51.392	ug/l	98
57) 1,3-Dichloropropane	10.934	76	197423	48.602	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	385600	232.934	ug/l	98
59) 2-Hexanone	10.965	43	408079	258.687	ug/l	99
60) Dibromochloromethane	11.129	129	144311	49.161	ug/l	98
61) 1,2-Dibromoethane	11.233	107	115042	48.223	ug/l	100
64) Tetrachloroethene	10.861	164	122798	52.531	ug/l	93
65) Chlorobenzene	11.660	112	392099	48.501	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	134657	50.593	ug/l	100
67) Ethyl Benzene	11.727	91	705560	53.267	ug/l	99
68) m/p-Xylenes	11.837	106	534982	104.945	ug/l	99
69) o-Xylene	12.166	106	257061	53.311	ug/l	95
70) Styrene	12.178	104	445155	52.371	ug/l	98
71) Bromoform	12.349	173	79989	50.601	ug/l #	97
73) Isopropylbenzene	12.464	105	650395	51.711	ug/l	98
74) N-amyl acetate	12.269	43	182802	50.061	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	140426	46.980	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	121030m	52.182	ug/l	
77) Bromobenzene	12.745	156	159112	49.609	ug/l	99
78) n-propylbenzene	12.800	91	801192	52.469	ug/l	99
79) 2-Chlorotoluene	12.891	91	473888	50.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	565093	53.066	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	44983	52.219	ug/l	93
82) 4-Chlorotoluene	12.989	91	495627	49.587	ug/l	97
83) tert-Butylbenzene	13.202	119	483165	53.512	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	571607	51.884	ug/l	99
85) sec-Butylbenzene	13.379	105	715657	53.088	ug/l	99
86) p-Isopropyltoluene	13.495	119	604413	52.722	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	316514	49.012	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	309536	47.819	ug/l	95
89) n-Butylbenzene	13.818	91	583819	53.415	ug/l	100
90) Hexachloroethane	14.086	117	106416	50.748	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	273088	47.762	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	25127	47.585	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	178389	48.833	ug/l	98
94) Hexachlorobutadiene	15.226	225	84151	46.448	ug/l	90
95) Naphthalene	15.360	128	431564	52.201	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	171251	50.408	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW082625

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

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

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

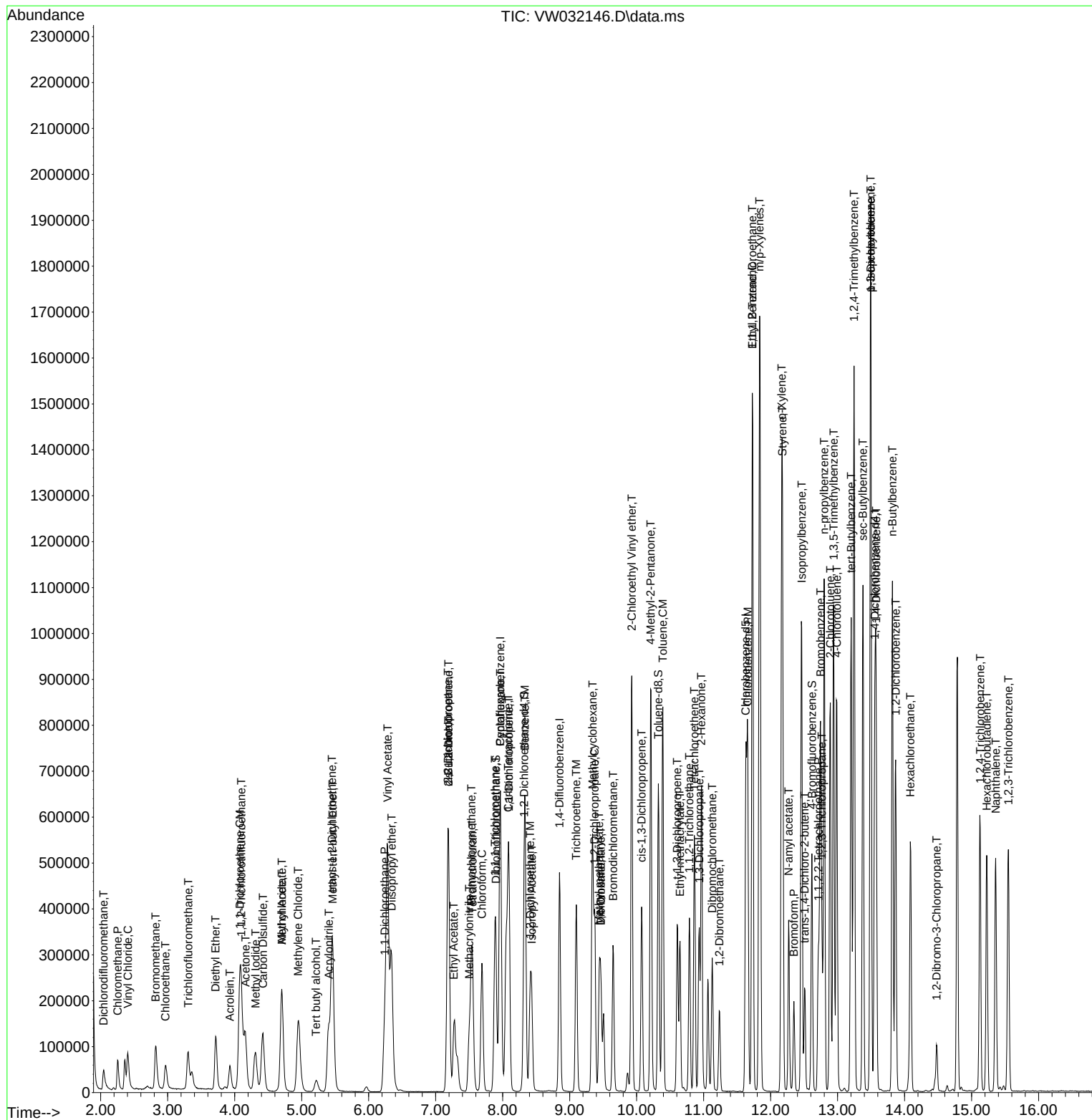
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032146.D
 Acq On : 26 Aug 2025 13:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

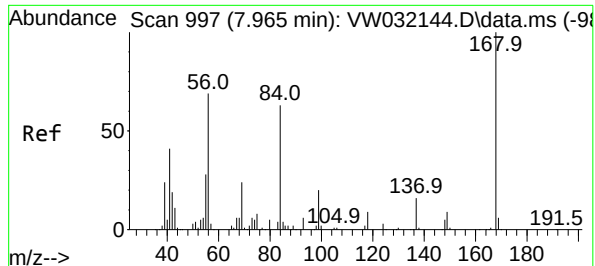
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082625

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Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

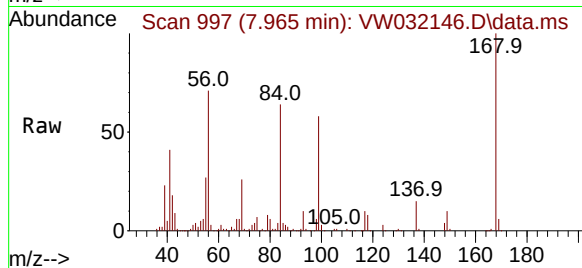
Quant Time: Aug 27 04:20:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

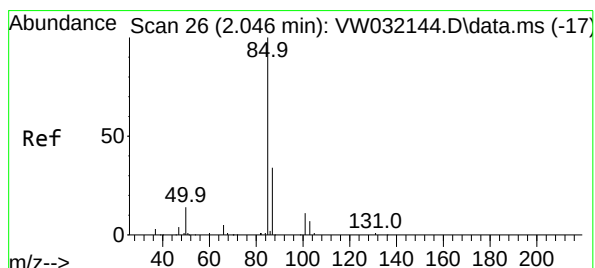
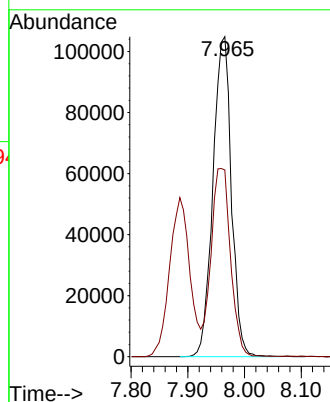
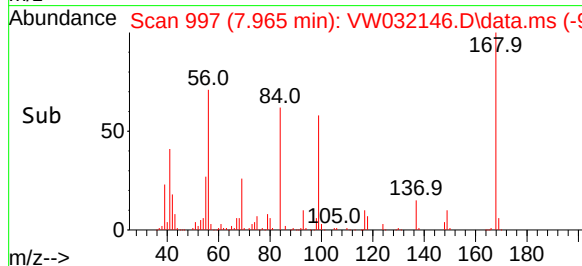
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 168 Resp: 236475
Ion Ratio Lower Upper
168 100
99 58.2 49.3 73.9

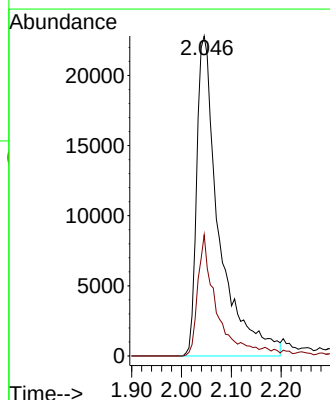
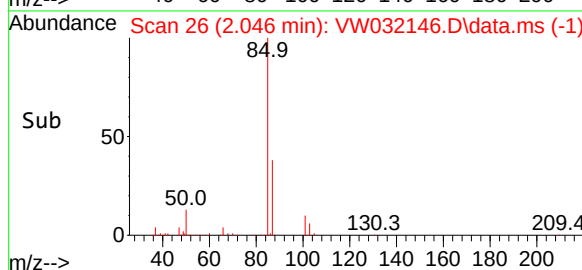
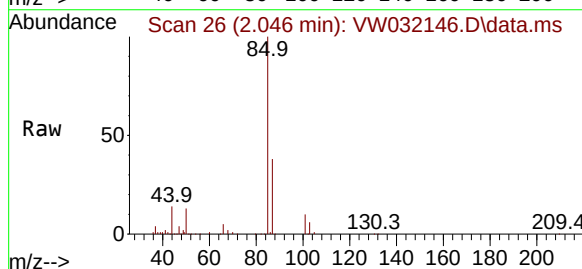
Manual Integrations
APPROVED

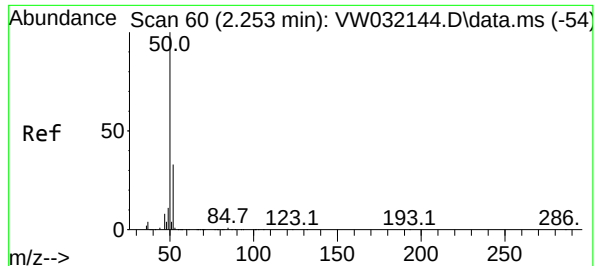
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#2
Dichlorodifluoromethane
Concen: 45.493 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion: 85 Resp: 71027
Ion Ratio Lower Upper
85 100
87 37.8 17.2 51.6





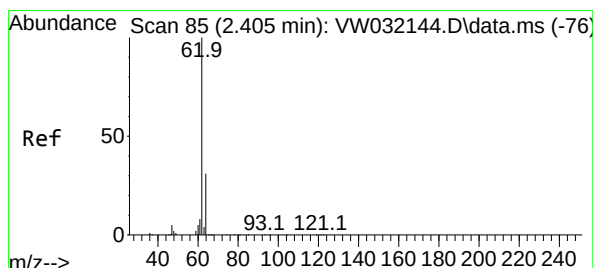
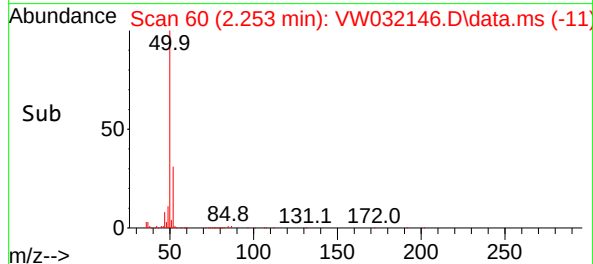
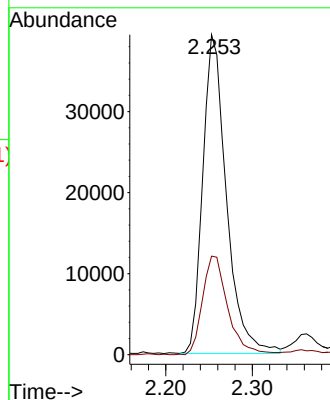
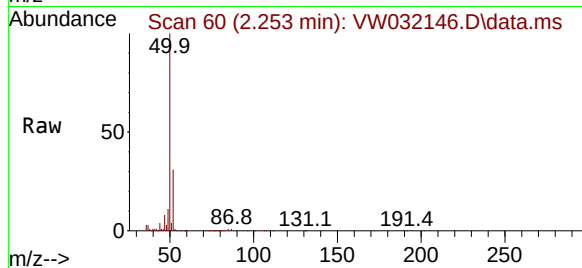
#3
Chloromethane
Concen: 45.600 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW082625

Tgt Ion: 50 Resp: 7464
Ion Ratio Lower Upper
50 100
52 30.8 26.1 39.1

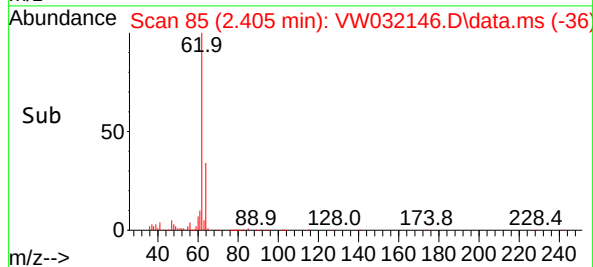
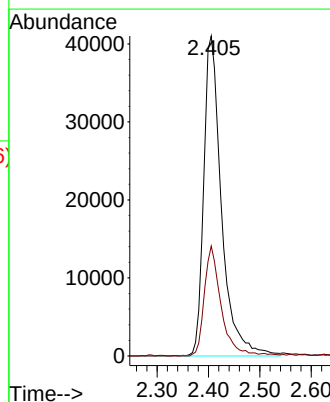
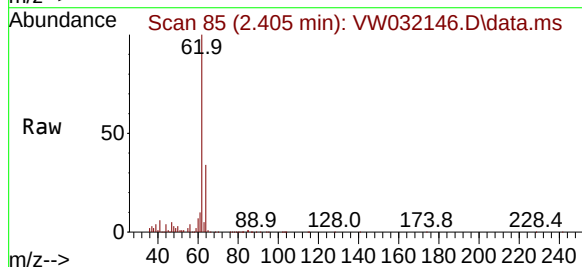
Manual Integrations
APPROVED

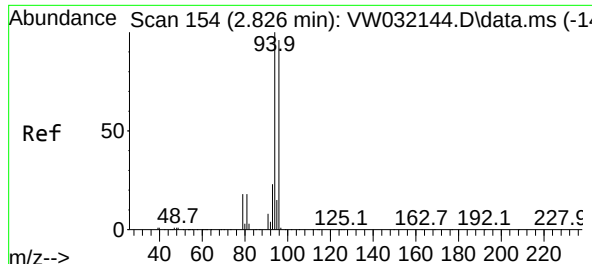
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#4
Vinyl Chloride
Concen: 46.293 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

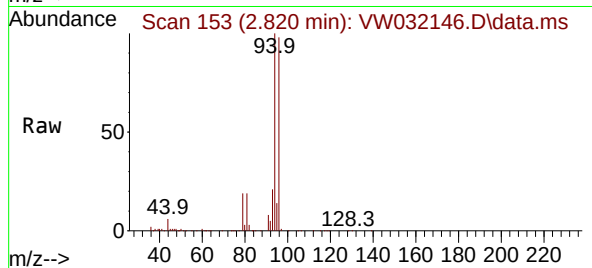
Tgt Ion: 62 Resp: 98427
Ion Ratio Lower Upper
62 100
64 34.3 24.8 37.2





#5
Bromomethane
Concen: 43.886 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

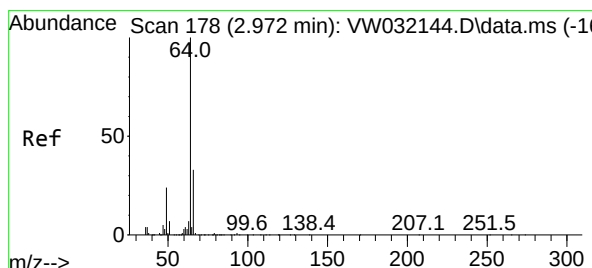
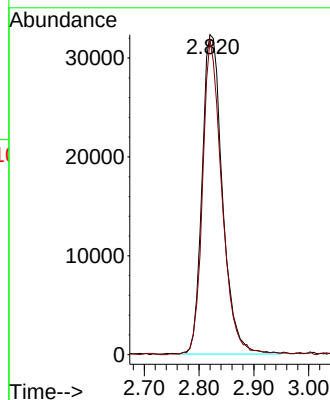
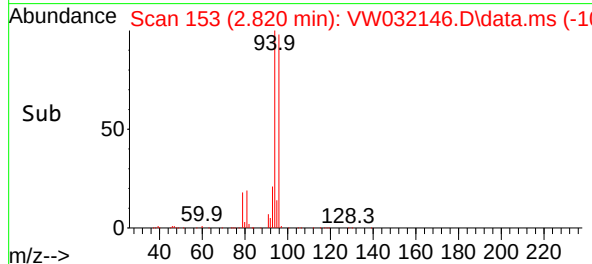
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 94 Resp: 83324
Ion Ratio Lower Upper
94 100
96 98.2 76.6 115.0

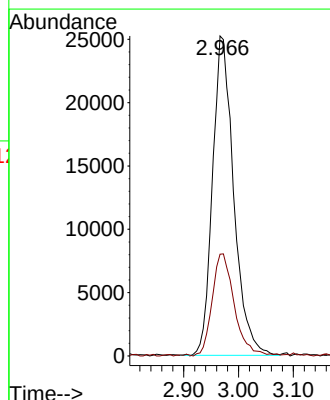
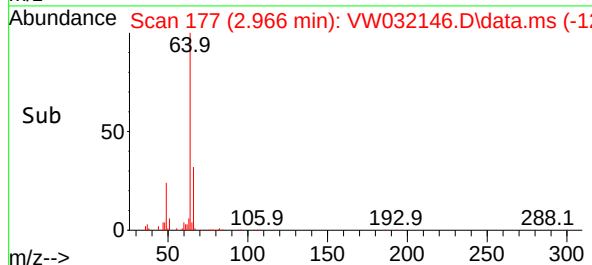
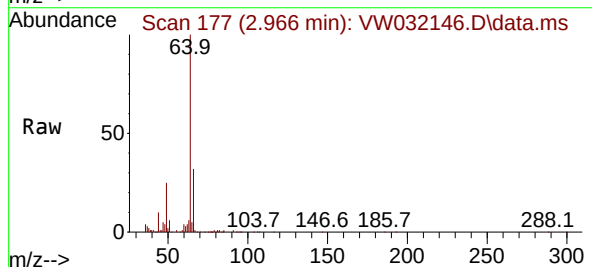
Manual Integrations
APPROVED

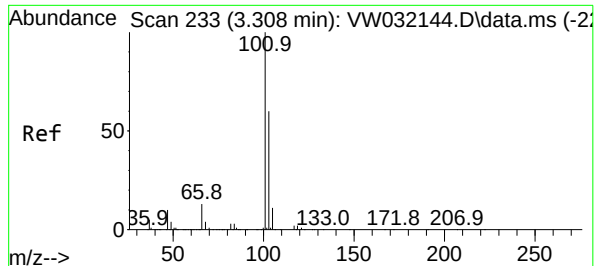
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#6
Chloroethane
Concen: 45.145 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion: 64 Resp: 67597
Ion Ratio Lower Upper
64 100
66 31.6 26.2 39.4





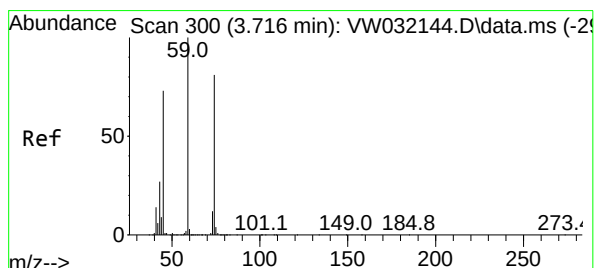
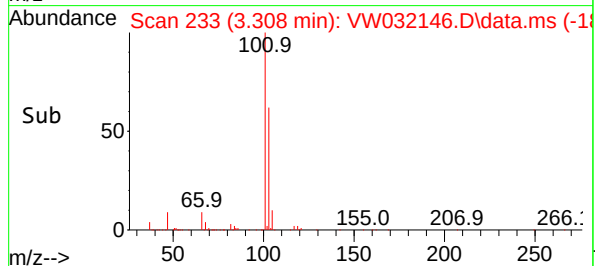
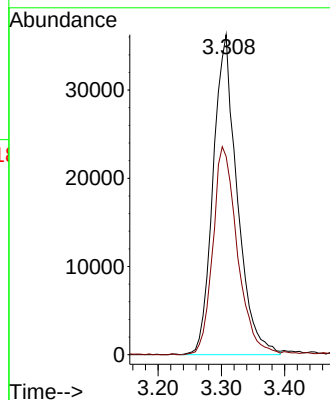
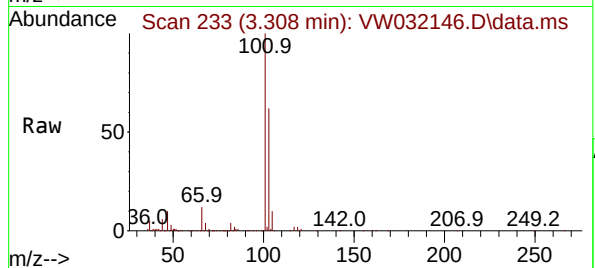
#7
Trichlorofluoromethane
Concen: 45.452 ug/l
RT: 3.308 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW082625

Tgt Ion:101 Resp: 95752
Ion Ratio Lower Upper
101 100
103 61.9 47.8 71.8

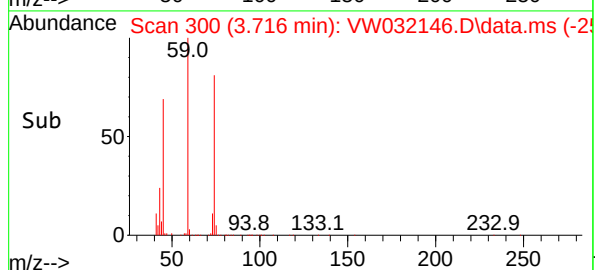
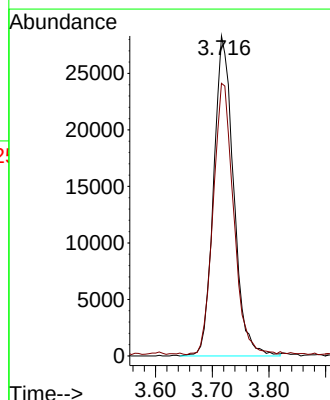
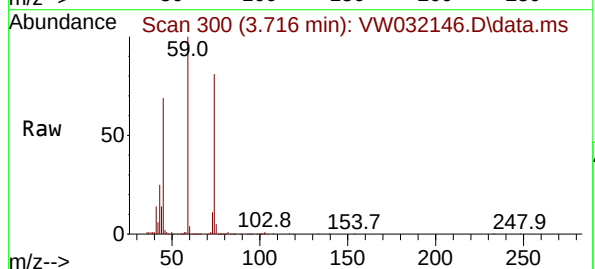
Manual Integrations
APPROVED

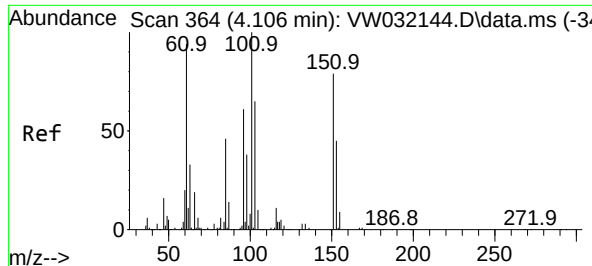
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#8
Diethyl Ether
Concen: 44.114 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

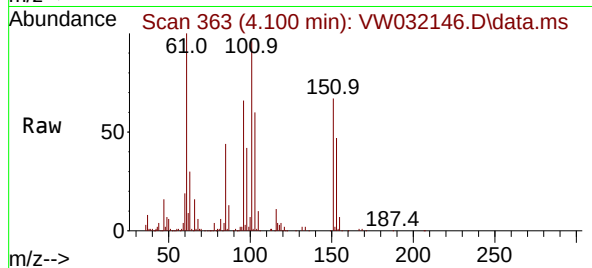
Tgt Ion: 74 Resp: 69352
Ion Ratio Lower Upper
74 100
45 86.9 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.024 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

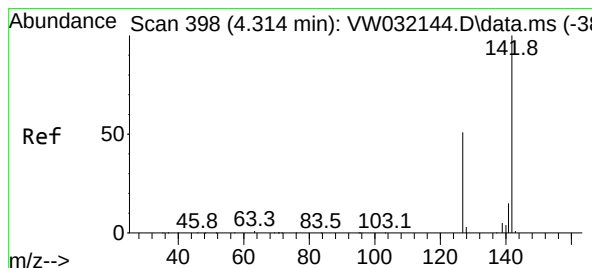
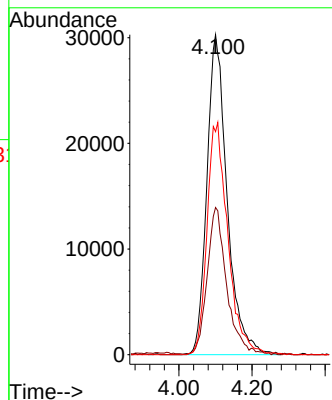
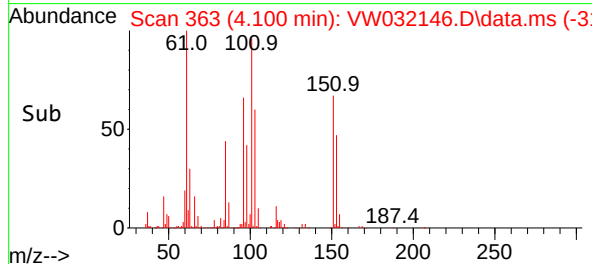
Instrument :
MSVOA_W
ClientSampleId :
ICVVW082625



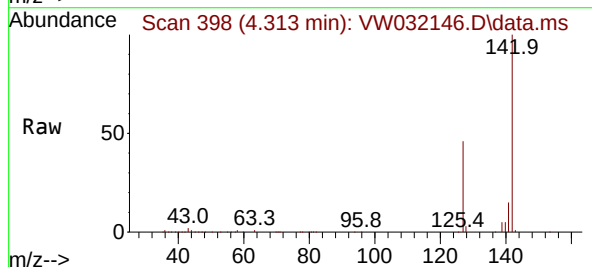
Tgt Ion:101 Resp: 11634
Ion Ratio Lower Upper
101 100
85 44.6 37.1 55.7
151 74.8 61.5 92.3

Manual Integrations
APPROVED

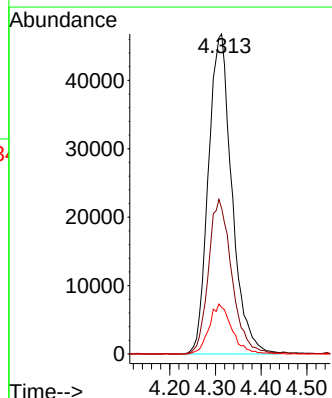
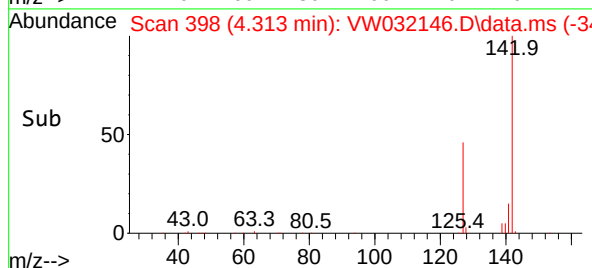
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

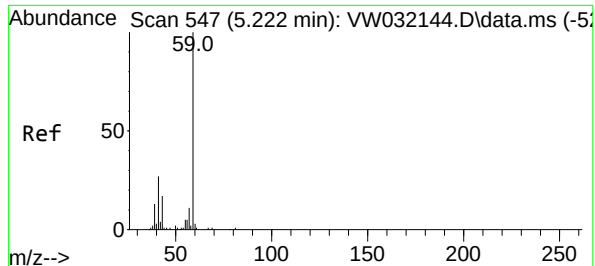


#10
Methyl Iodide
Concen: 46.309 ug/l
RT: 4.313 min Scan# 398
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55



Tgt Ion:142 Resp: 167339
Ion Ratio Lower Upper
142 100
127 48.0 38.2 57.2
141 15.1 12.2 18.2





#11

Tert butyl alcohol

Concen: 223.294 ug/l

RT: 5.216 min Scan# 547

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 59 Resp: 4619

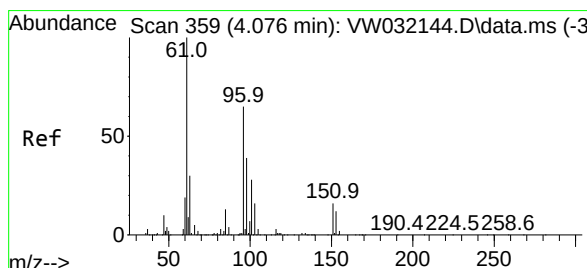
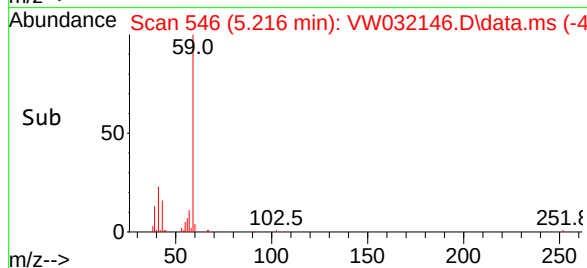
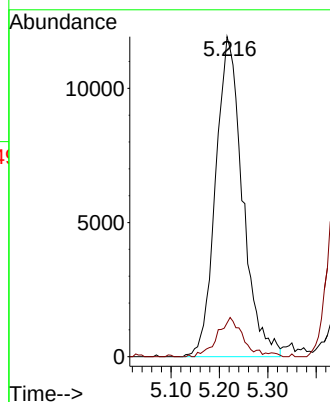
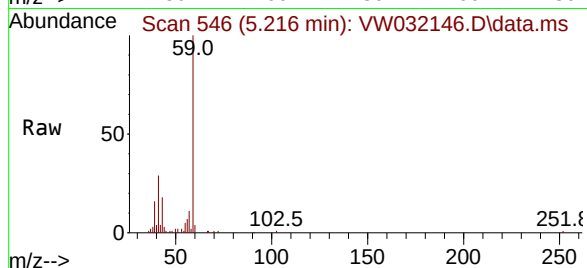
Ion Ratio Lower Upper

59 100

57 11.5 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#12

1,1-Dichloroethene

Concen: 48.515 ug/l

RT: 4.076 min Scan# 359

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

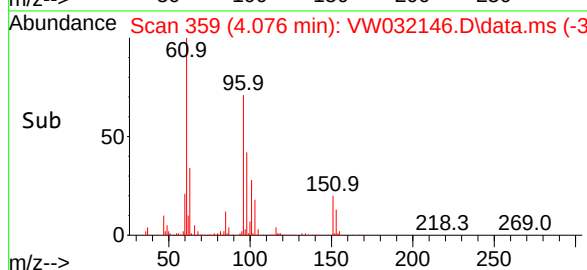
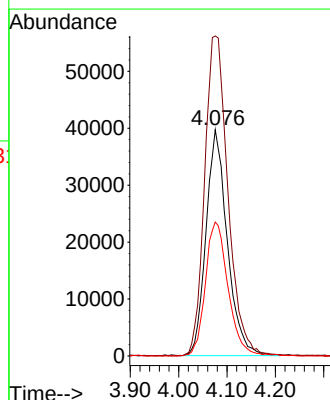
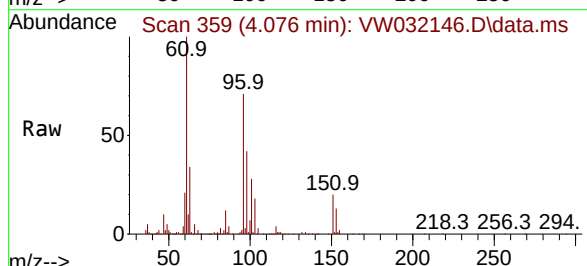
Tgt Ion: 96 Resp: 121250

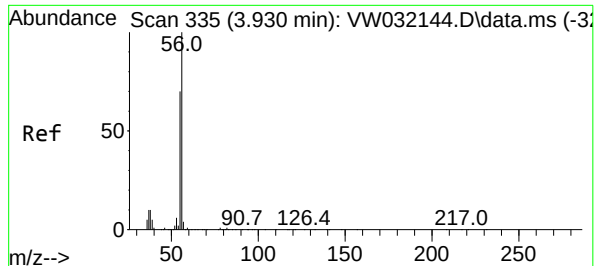
Ion Ratio Lower Upper

96 100

61 141.4 123.0 184.4

98 59.3 48.5 72.7





#13

Acrolein

Concen: 204.279 ug/l

RT: 3.929 min Scan# 335

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 56 Resp: 6495

Ion Ratio Lower Upper

56 100

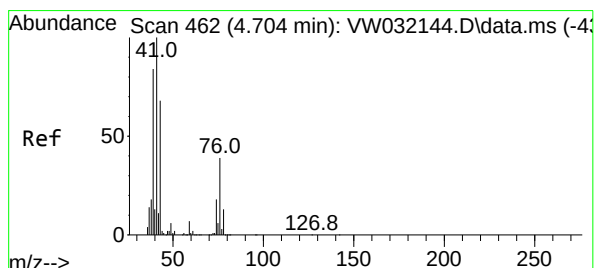
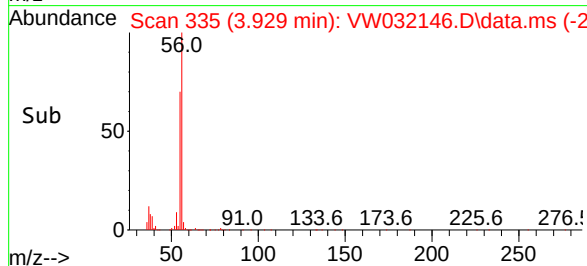
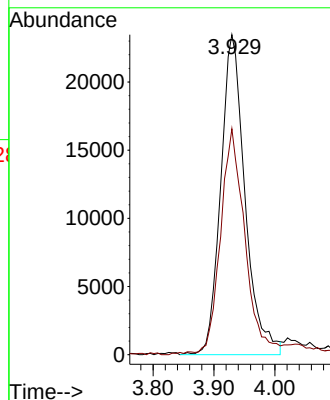
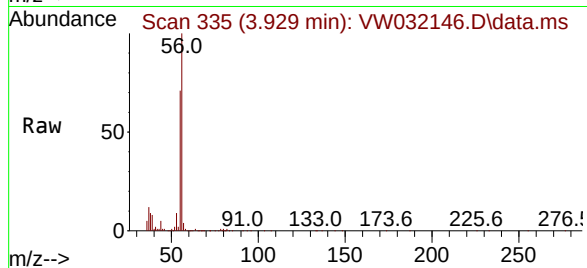
55 72.1 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#14

Allyl chloride

Concen: 49.124 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

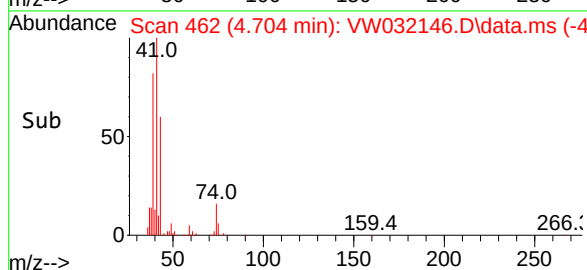
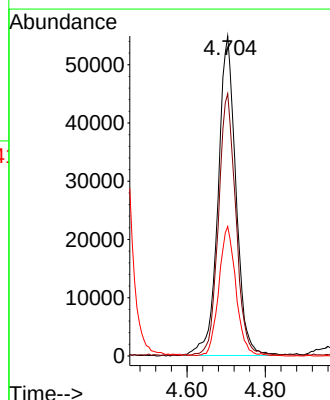
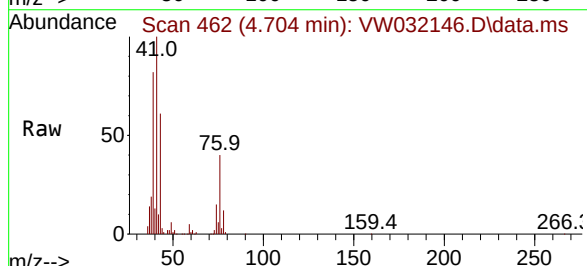
Tgt Ion: 41 Resp: 174391

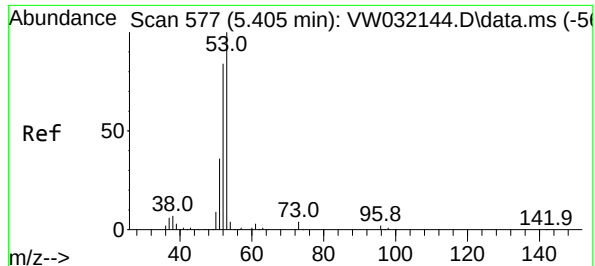
Ion Ratio Lower Upper

41 100

39 79.3 64.1 96.1

76 38.9 31.4 47.2





#15

Acrylonitrile

Concen: 233.915 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

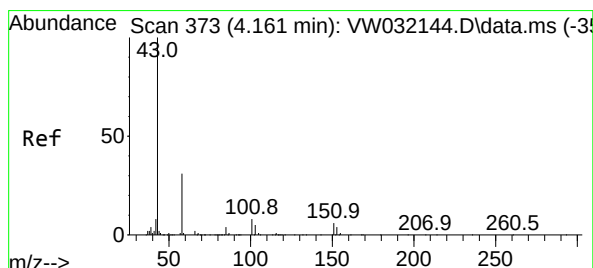
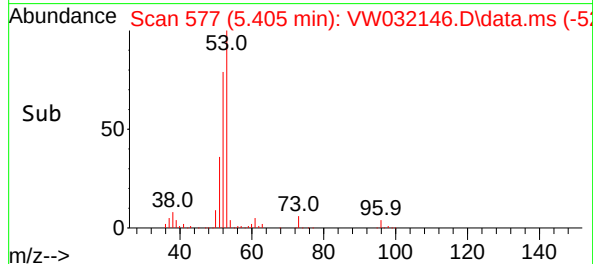
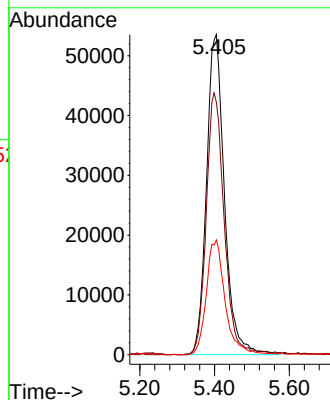
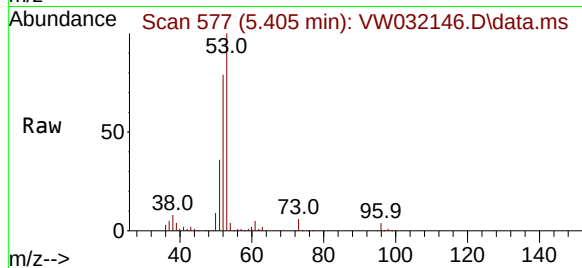
Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:	53	Resp:	178789
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	37.5	30.3	45.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

#16

Acetone

Concen: 260.957 ug/l

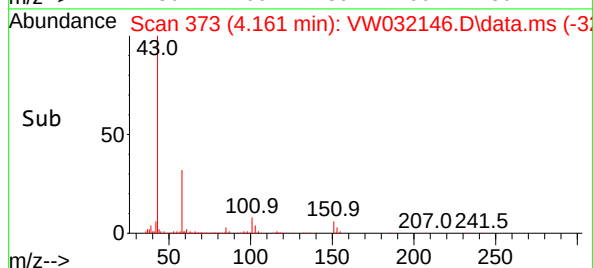
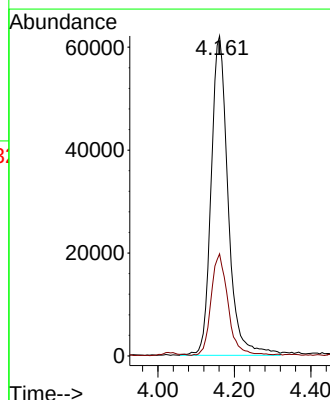
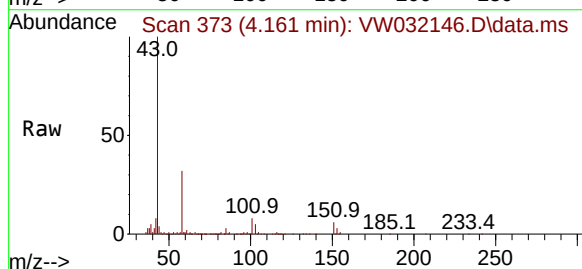
RT: 4.161 min Scan# 373

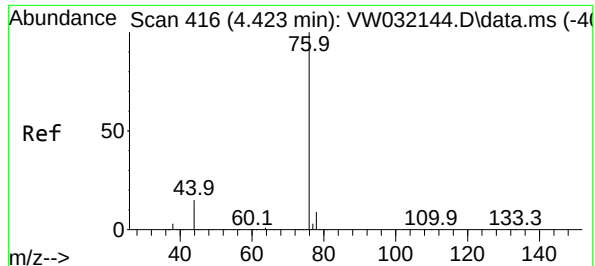
Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	43	Resp:	191131
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.3	37.9





#17

Carbon Disulfide

Concen: 48.692 ug/l

RT: 4.423 min Scan# 416

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 76 Resp: 30437

Ion Ratio Lower Upper

76 100

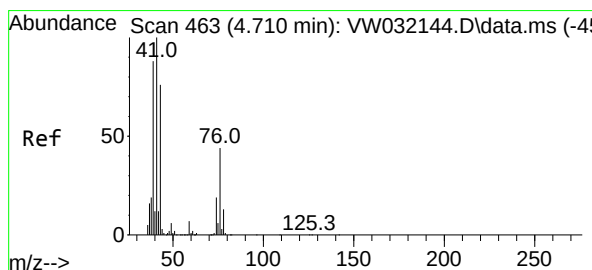
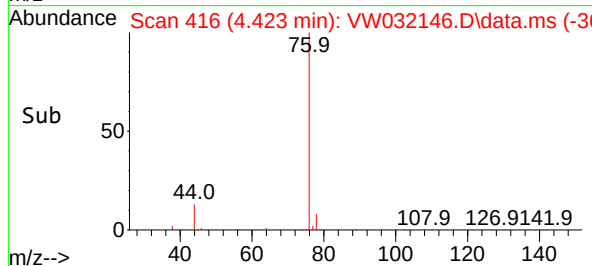
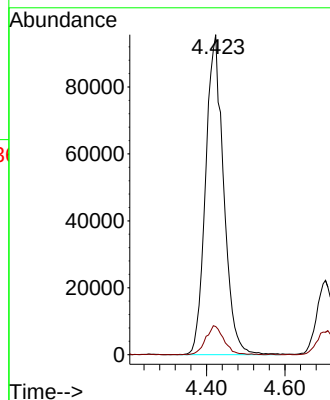
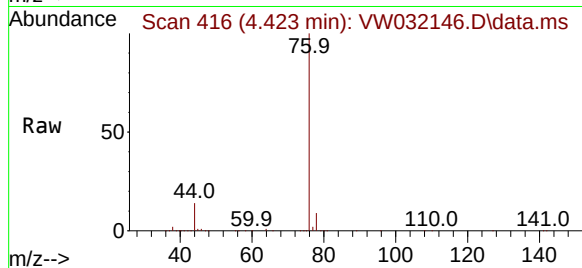
78 8.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#18

Methyl Acetate

Concen: 45.567 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.006 min

Lab File: VW032146.D

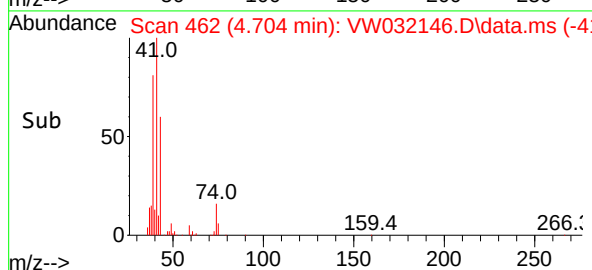
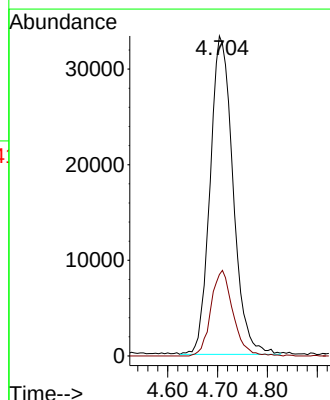
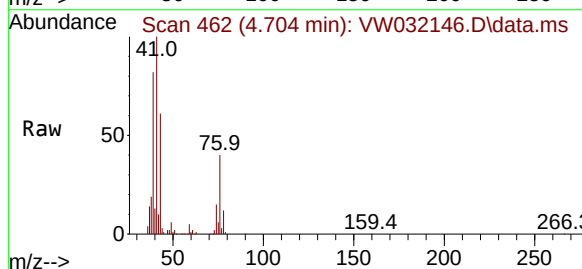
Acq: 26 Aug 2025 13:55

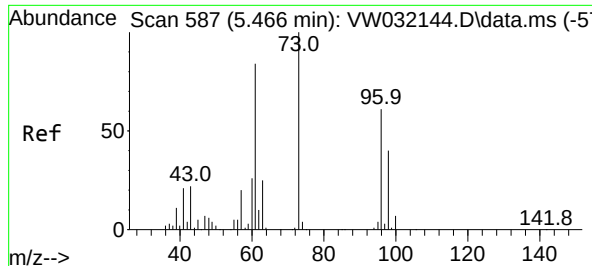
Tgt Ion: 43 Resp: 106336

Ion Ratio Lower Upper

43 100

74 25.9 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 48.426 ug/l

RT: 5.466 min Scan# 501

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 73 Resp: 22854

Ion Ratio Lower Upper

73 100

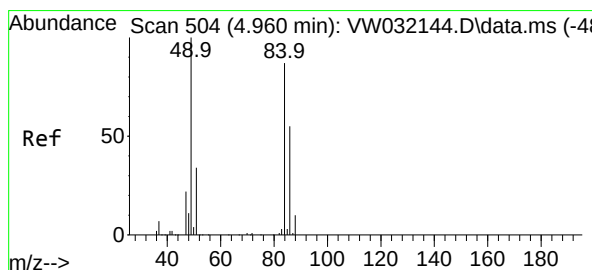
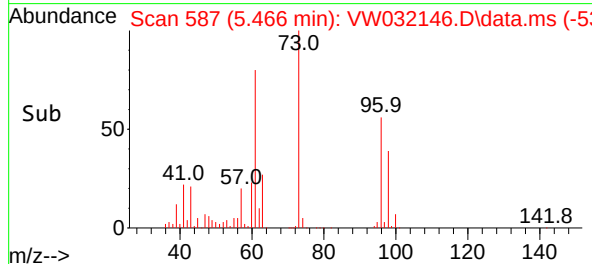
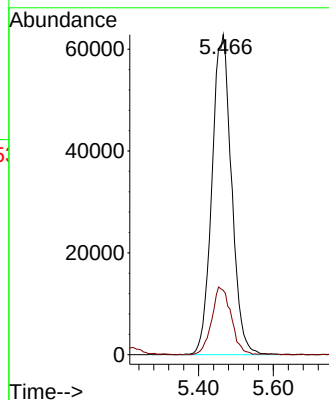
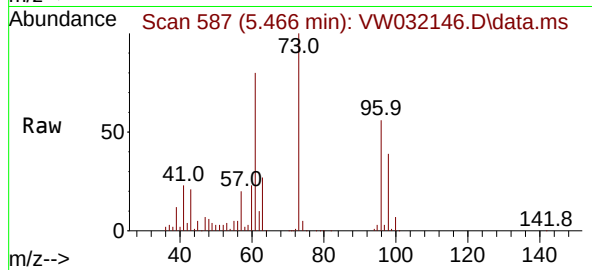
57 20.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#20

Methylene Chloride

Concen: 47.403 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.012 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion: 84 Resp: 142919

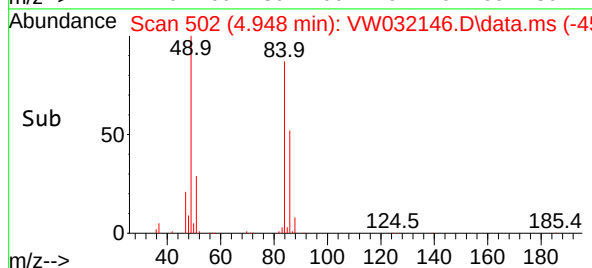
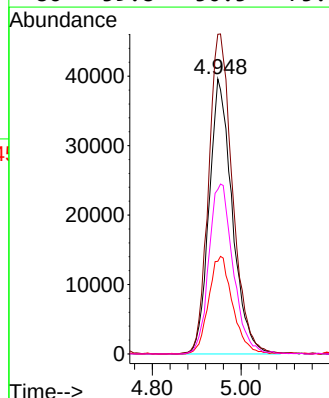
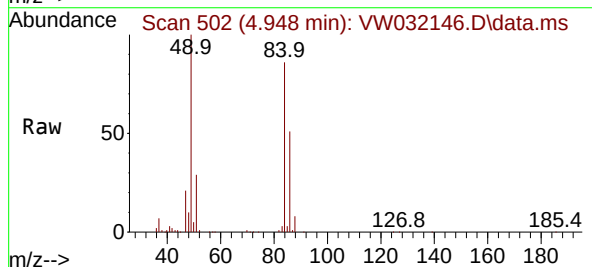
Ion Ratio Lower Upper

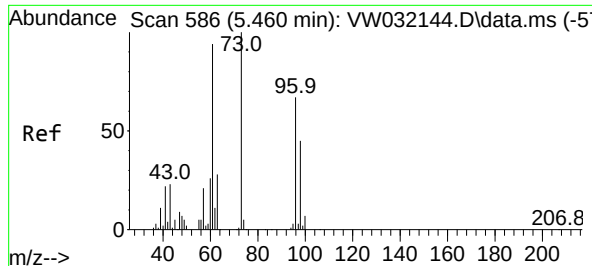
84 100

49 116.0 92.2 138.4

51 33.7 31.0 46.6

86 59.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.921 ug/l

RT: 5.454 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW032146.D

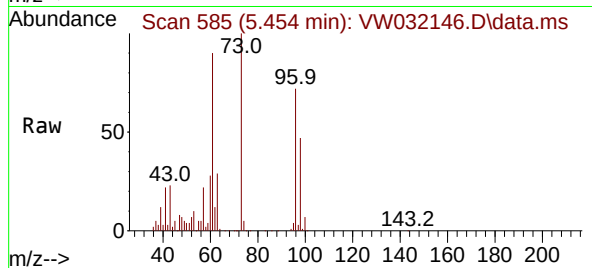
Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625



Tgt Ion: 96 Resp: 133792

Ion Ratio Lower Upper

96 100

61 124.3 112.5 168.7

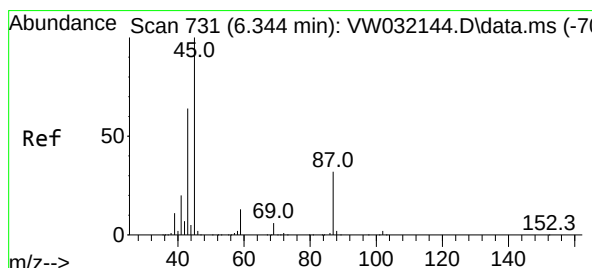
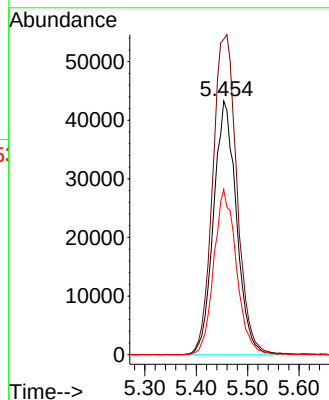
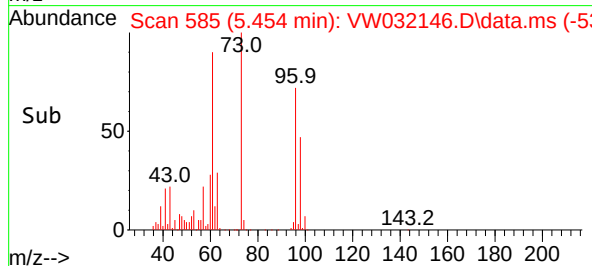
98 65.1 54.2 81.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#22

Diisopropyl ether

Concen: 49.029 ug/l

RT: 6.344 min Scan# 731

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion: 45 Resp: 378823

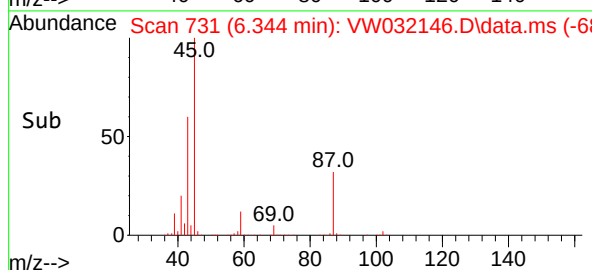
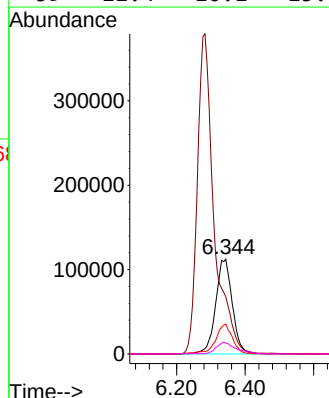
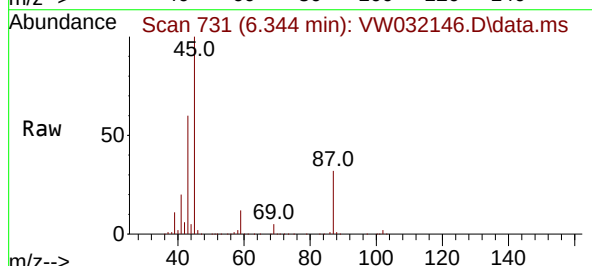
Ion Ratio Lower Upper

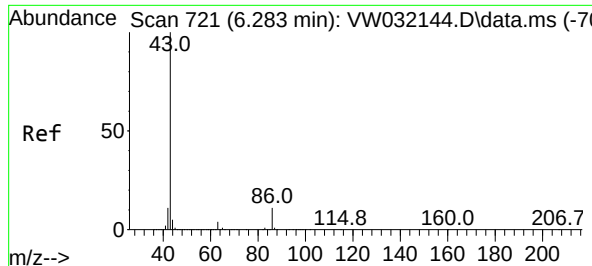
45 100

43 60.3 51.4 77.2

87 31.5 25.9 38.9

59 11.4 10.1 15.1





#23

Vinyl Acetate

Concen: 244.903 ug/l

RT: 6.283 min Scan# 714

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 43 Resp: 128651

Ion Ratio Lower Upper

43

100

86

11.4

8.8

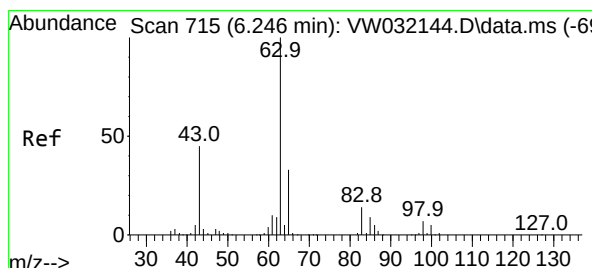
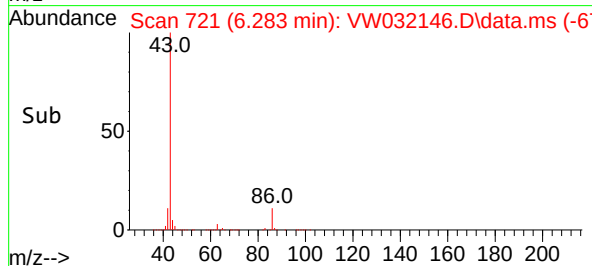
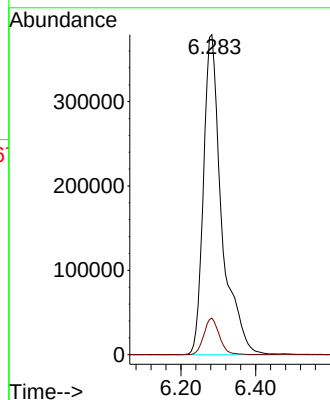
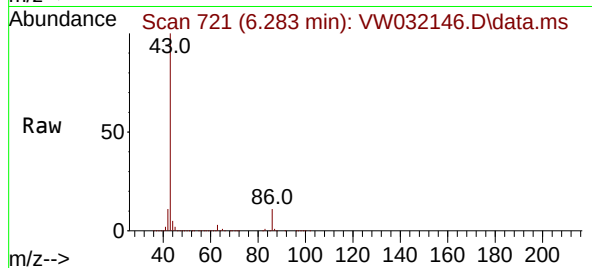
13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#24

1,1-Dichloroethane

Concen: 46.223 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion: 63 Resp: 233811

Ion Ratio Lower Upper

63

100

98

7.4

3.8

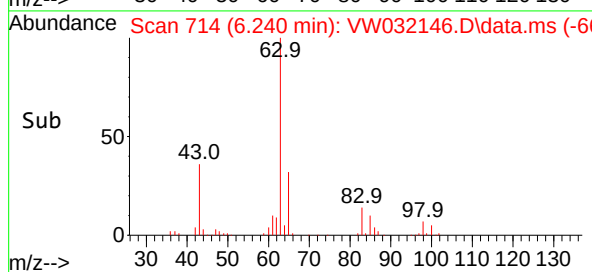
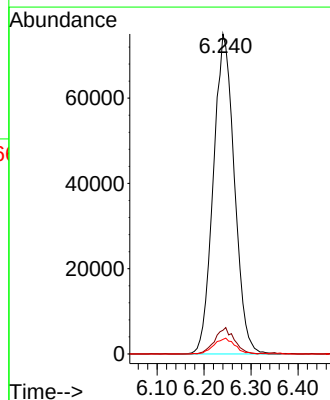
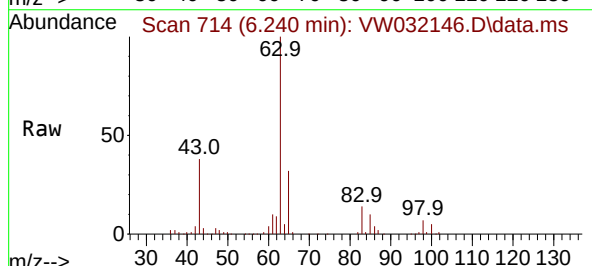
11.2

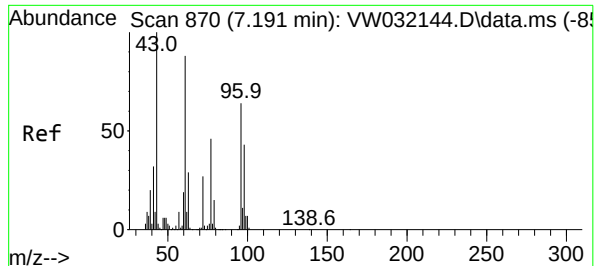
100

4.5

2.5

7.5





#25

2-Butanone

Concen: 248.853 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 43 Resp: 258270

Ion Ratio Lower Upper

43 100

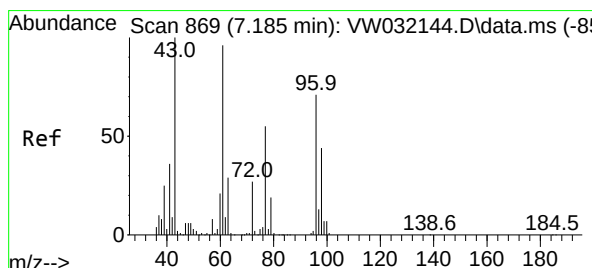
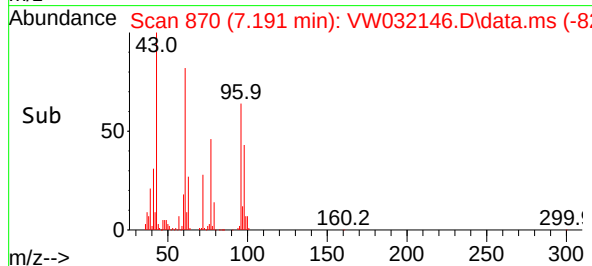
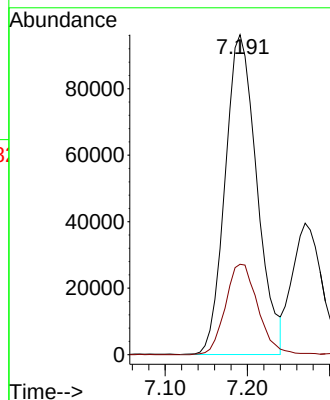
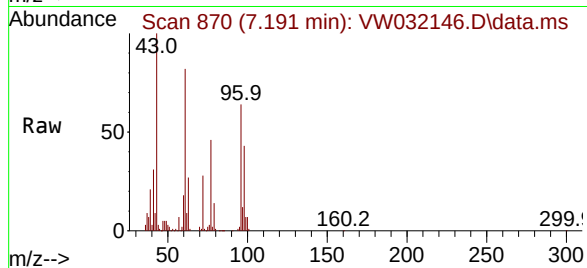
72 28.3 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#26

2,2-Dichloropropane

Concen: 51.190 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032146.D

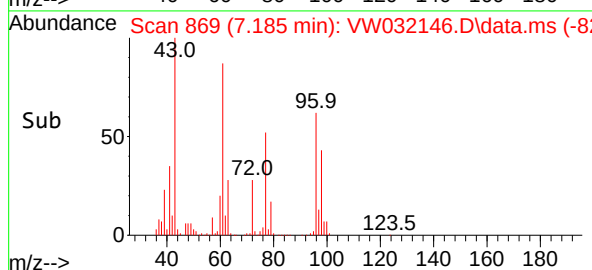
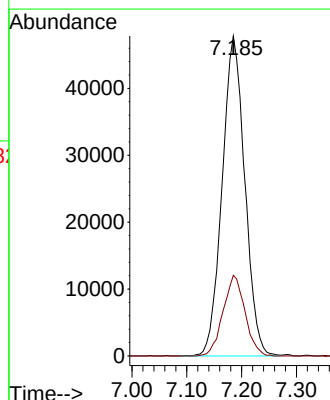
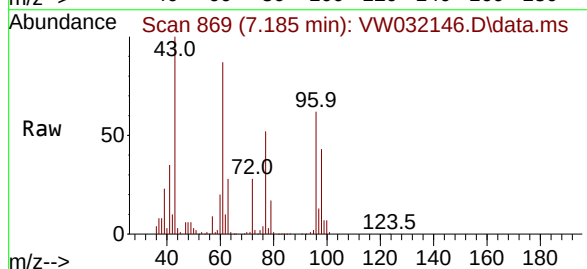
Acq: 26 Aug 2025 13:55

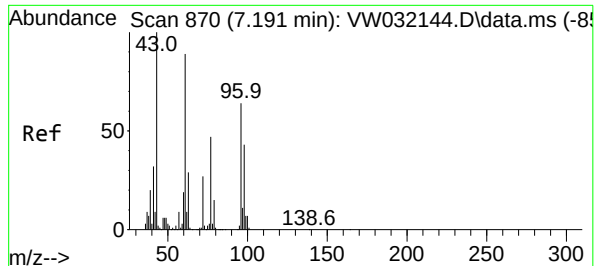
Tgt Ion: 77 Resp: 137122

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 47.237 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 96 Resp: 16048

Ion Ratio Lower Upper

96 100

61 135.3 0.0 268.0

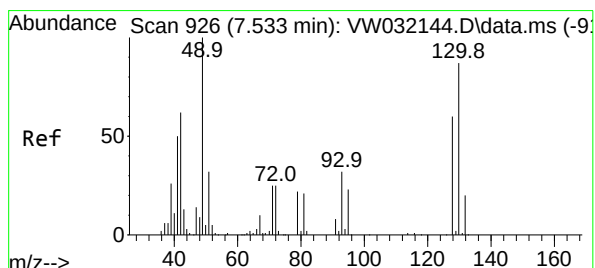
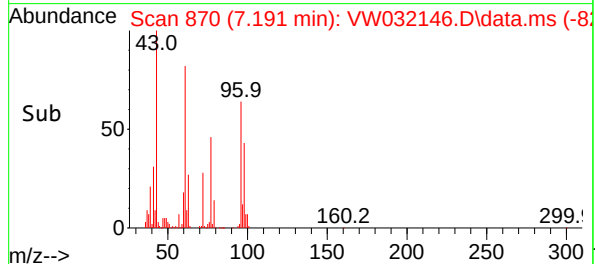
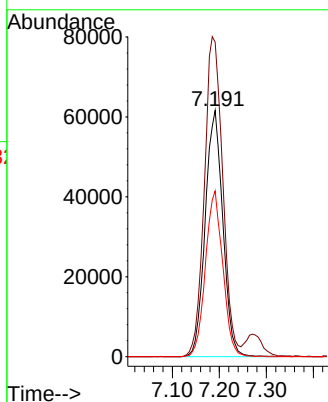
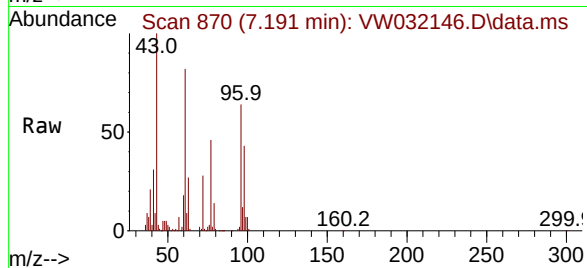
98 66.1 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#28

Bromochloromethane

Concen: 44.789 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

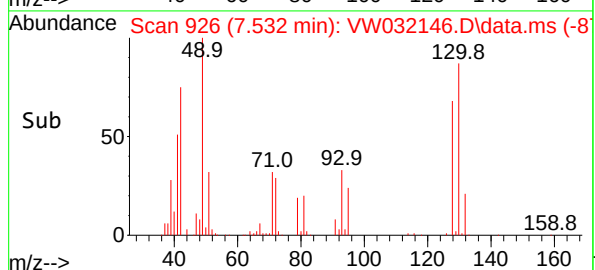
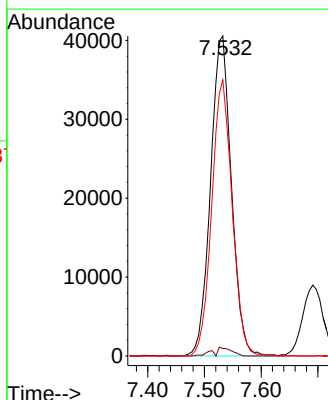
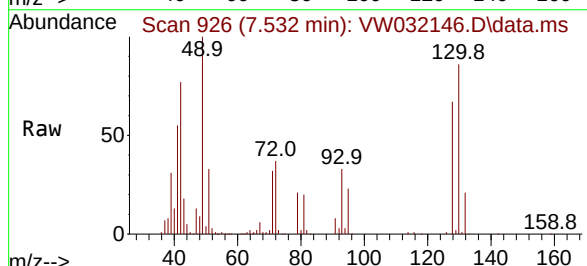
Tgt Ion: 49 Resp: 103711

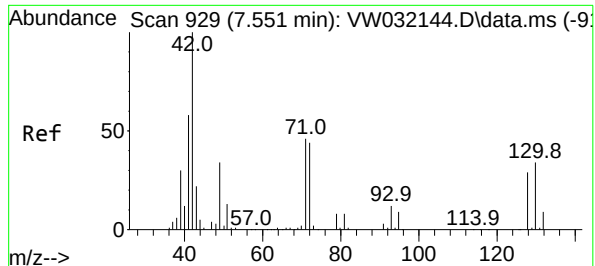
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 84.4 67.5 101.3





#29

Tetrahydrofuran

Concen: 230.667 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 42 Resp: 15213

Ion Ratio Lower Upper

42 100

72 47.1 37.4 56.2

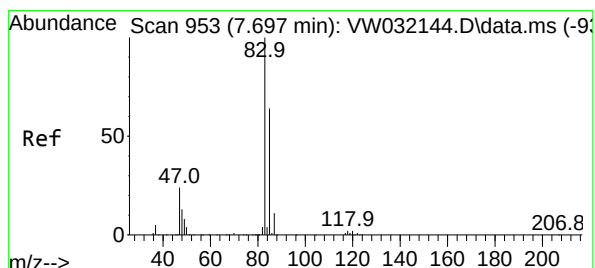
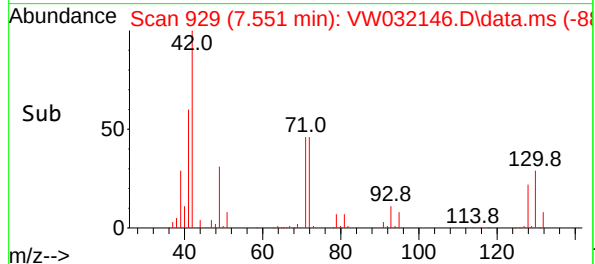
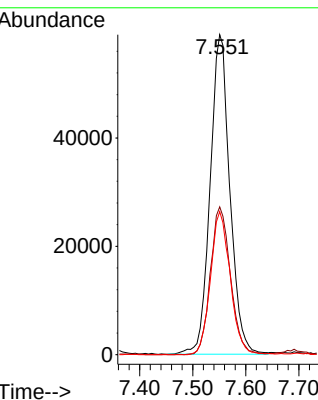
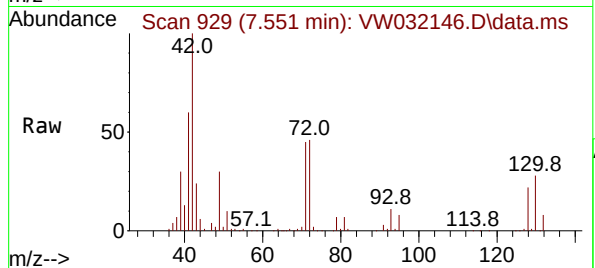
71 44.8 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#30

Chloroform

Concen: 47.122 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.006 min

Lab File: VW032146.D

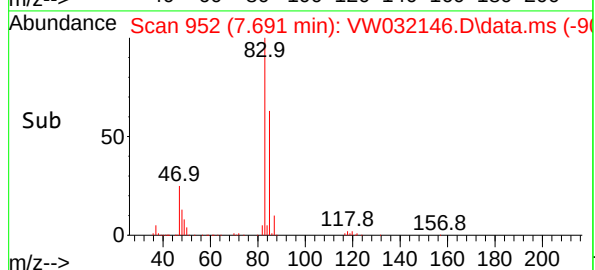
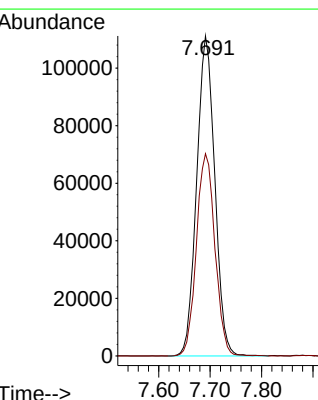
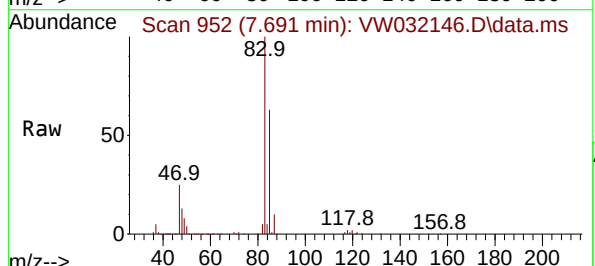
Acq: 26 Aug 2025 13:55

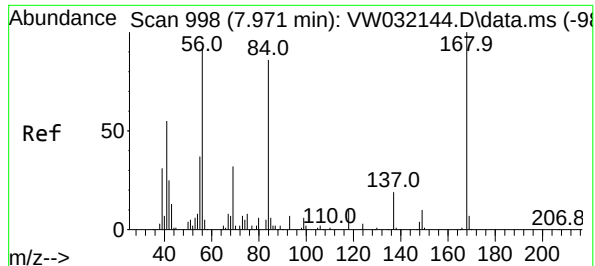
Tgt Ion: 83 Resp: 272139

Ion Ratio Lower Upper

83 100

85 63.2 51.2 76.8





#31

Cyclohexane

Concen: 46.650 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 56 Resp: 193679

Ion Ratio Lower Upper

56 100

69 36.5 27.7 41.5

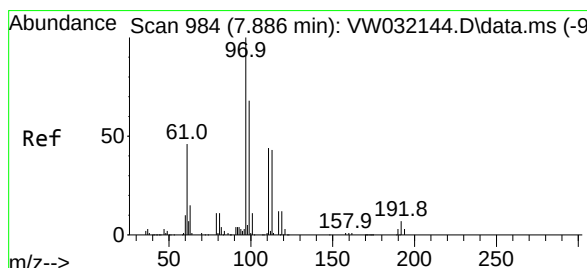
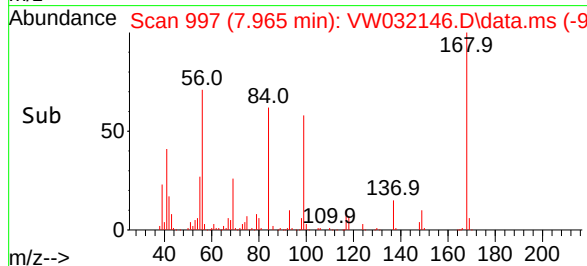
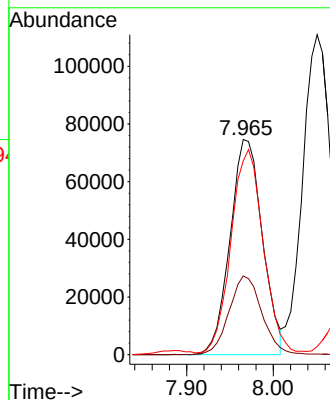
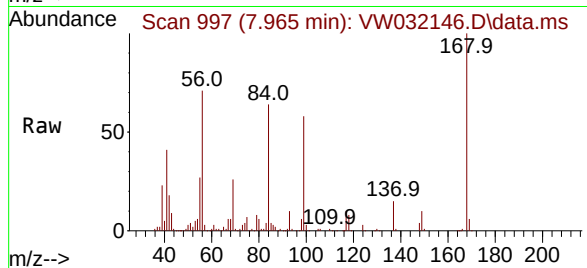
84 88.2 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#32

1,1,1-Trichloroethane

Concen: 48.756 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

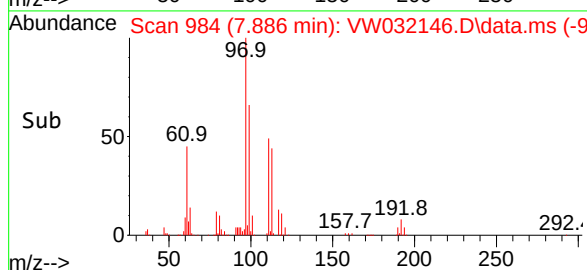
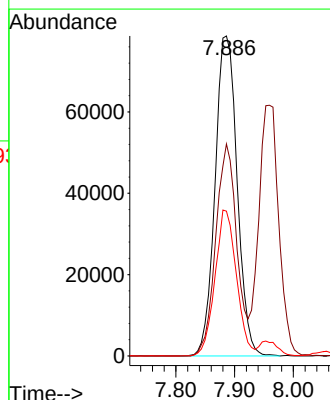
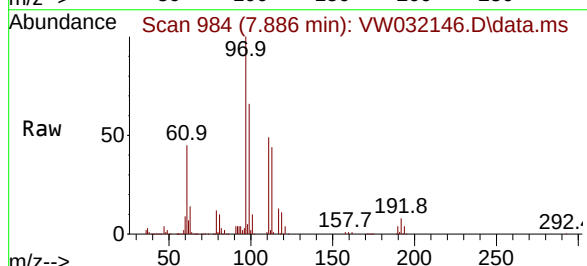
Tgt Ion: 97 Resp: 205549

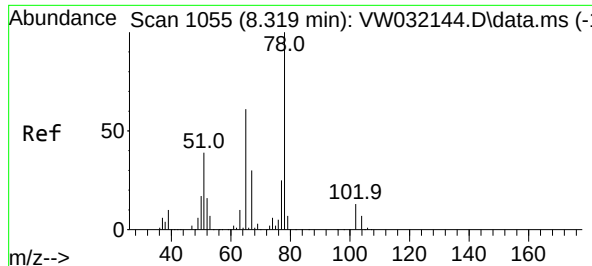
Ion Ratio Lower Upper

97 100

99 63.3 50.9 76.3

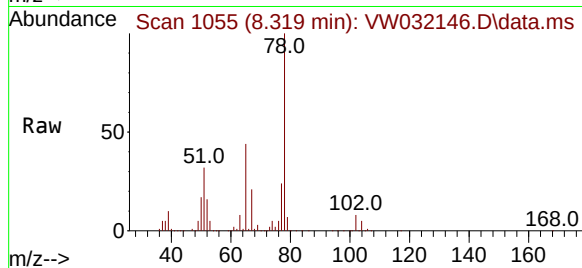
61 44.4 36.2 54.4





#33
1,2-Dichloroethane-d4
Concen: 41.992 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

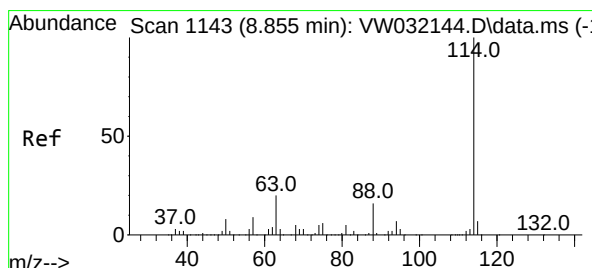
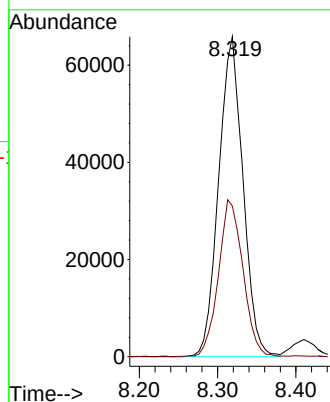
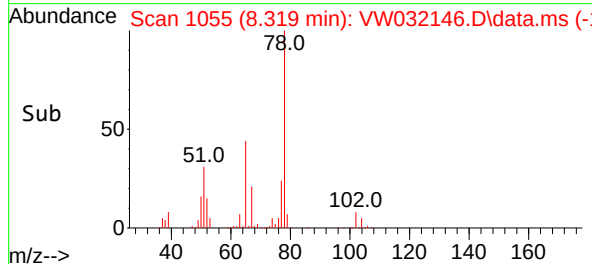
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 65 Resp: 14201
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.6

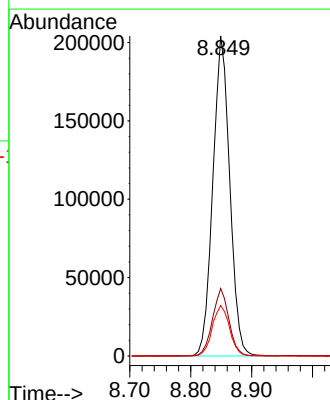
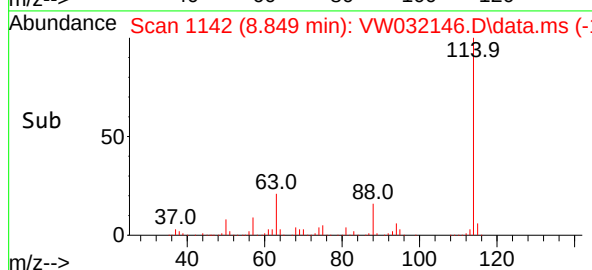
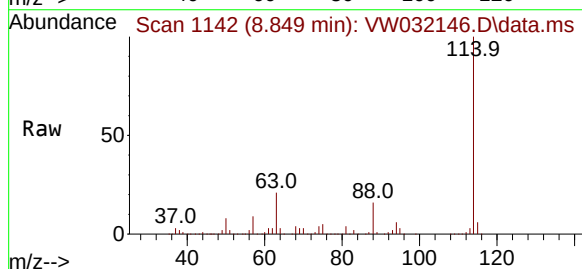
Manual Integrations
APPROVED

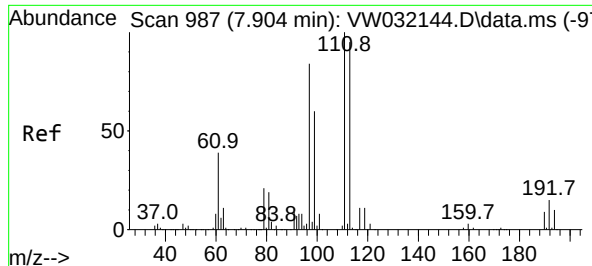
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion:114 Resp: 392388
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.4
88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 43.264 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:113 Resp: 11910

Ion Ratio Lower Upper

113 100

111 101.6 83.9 125.9

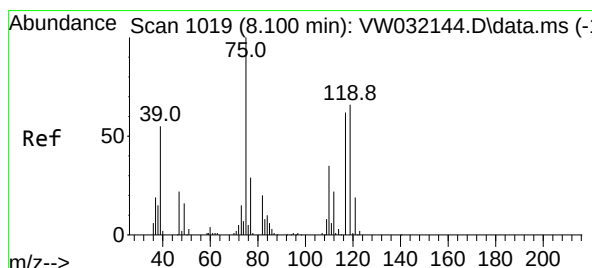
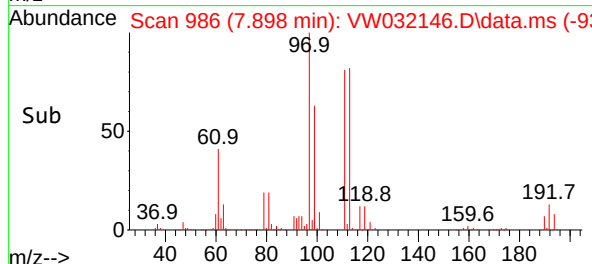
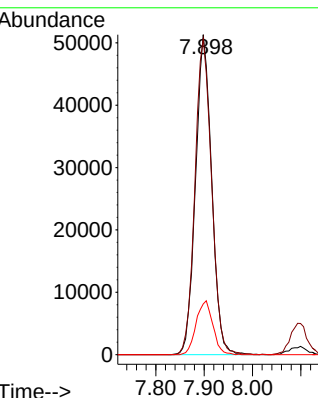
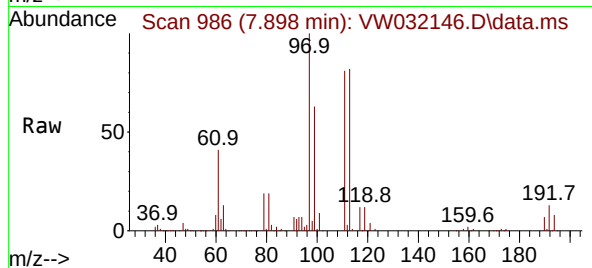
192 17.5 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#36

1,1-Dichloropropene

Concen: 50.360 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

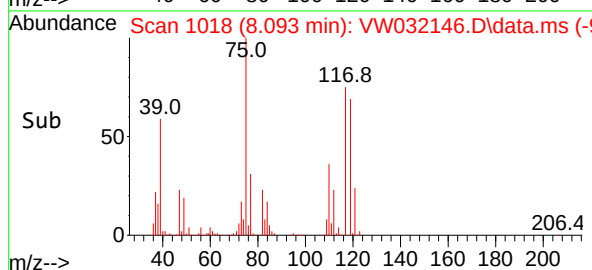
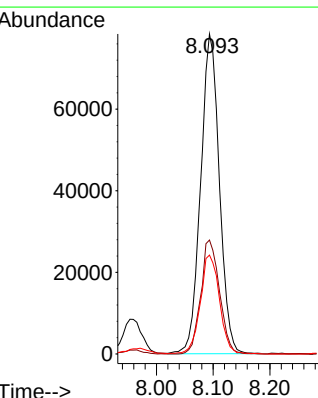
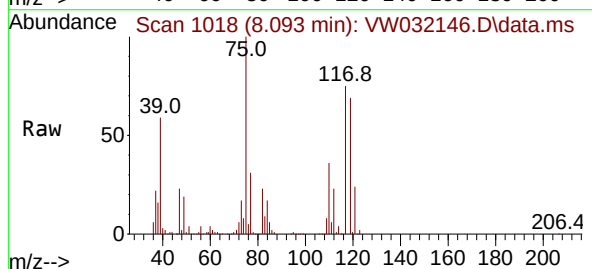
Tgt Ion: 75 Resp: 179756

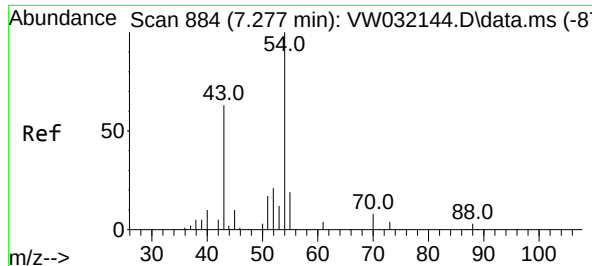
Ion Ratio Lower Upper

75 100

110 35.6 17.5 52.5

77 31.7 24.1 36.1





#37

Ethyl Acetate

Concen: 48.241 ug/l

RT: 7.270 min Scan# 81

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

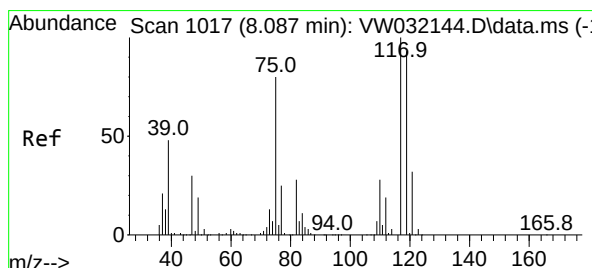
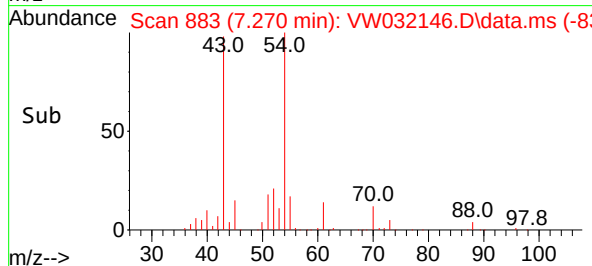
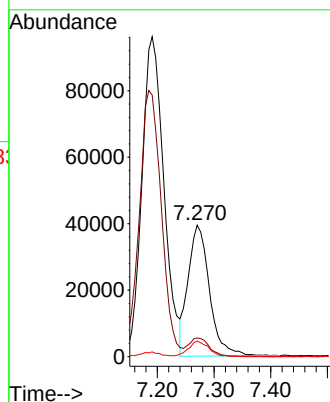
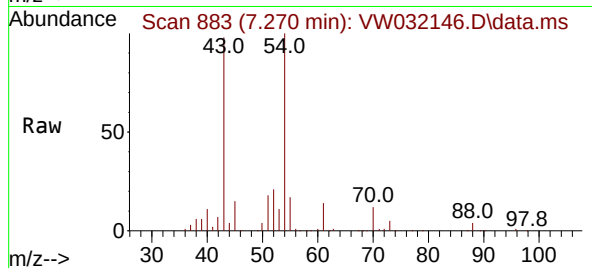
ClientSampleId :

ICVW082625

Tgt Ion:	43	Resp:	10329
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	11.5	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#38

Carbon Tetrachloride

Concen: 51.066 ug/l

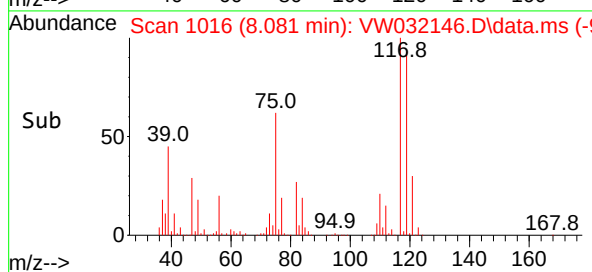
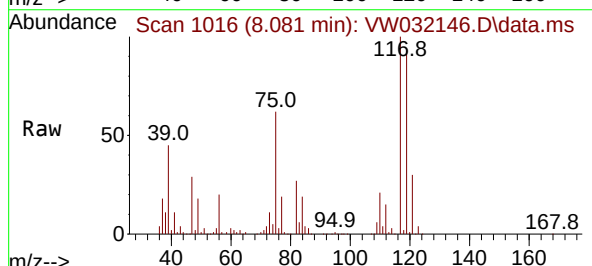
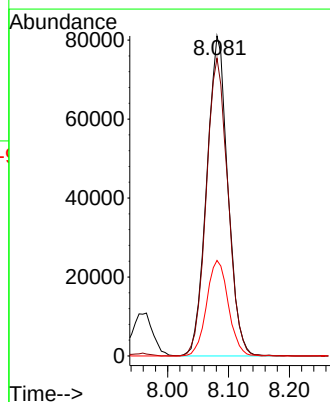
RT: 8.081 min Scan# 1016

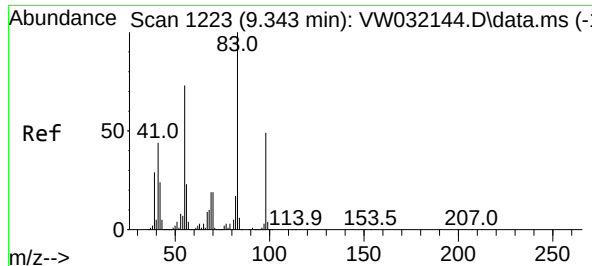
Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	117	Resp:	195403
Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.2	111.2
121	29.9	25.6	38.4





#39

Methylcyclohexane

Concen: 54.492 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 83 Resp: 230384

Ion Ratio Lower Upper

83 100

55 72.1 58.4 87.6

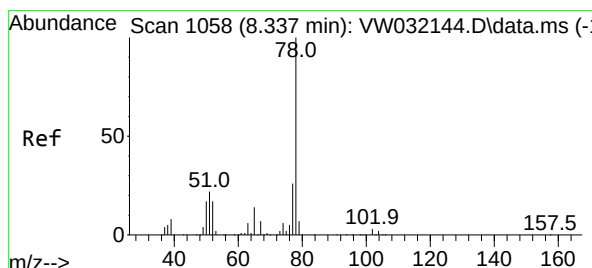
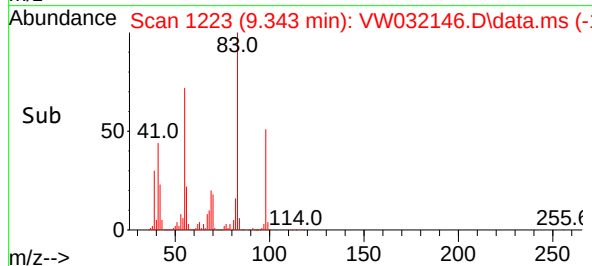
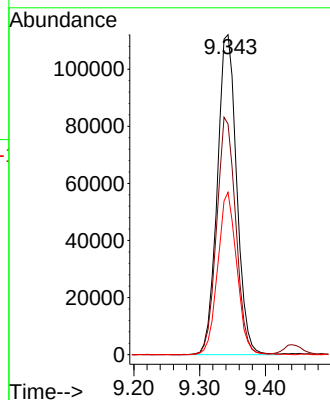
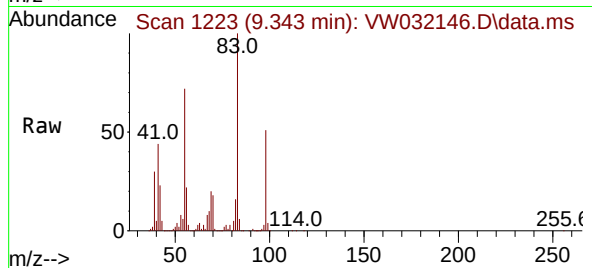
98 50.7 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#40

Benzene

Concen: 49.427 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032146.D

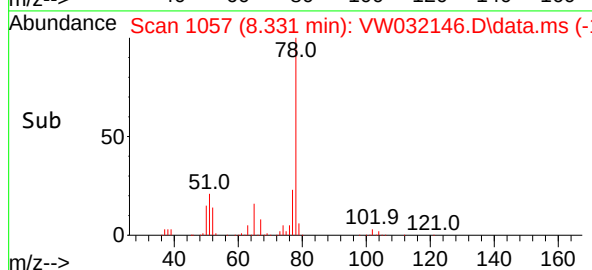
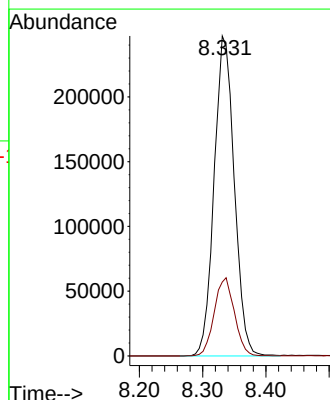
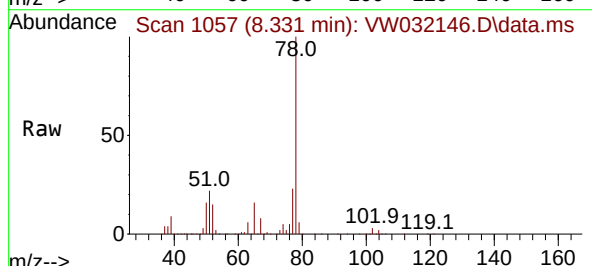
Acq: 26 Aug 2025 13:55

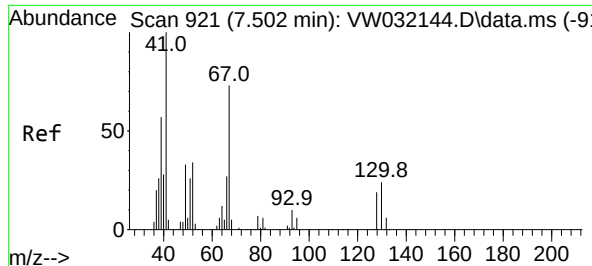
Tgt Ion: 78 Resp: 545356

Ion Ratio Lower Upper

78 100

77 23.1 20.7 31.1





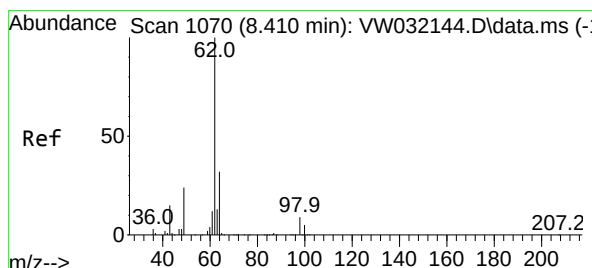
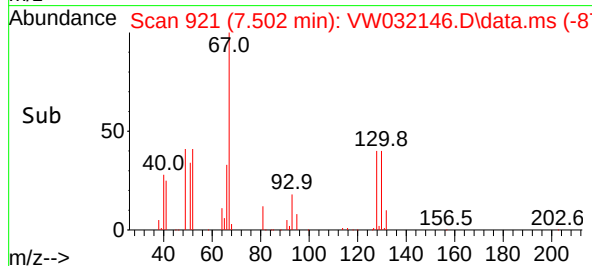
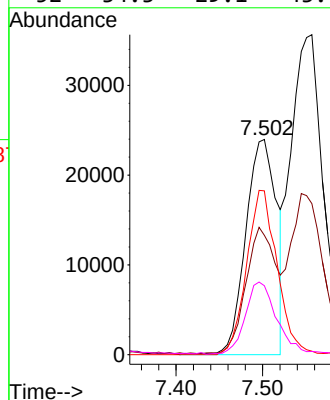
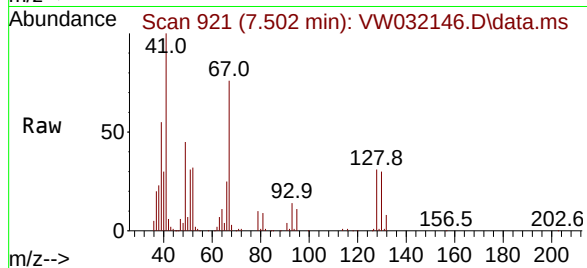
#41
Methacrylonitrile
Concen: 49.922 ug/l
RT: 7.502 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW082625

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.1	50.9	76.3
67	75.5	65.6	98.4
52	34.3	29.1	43.7

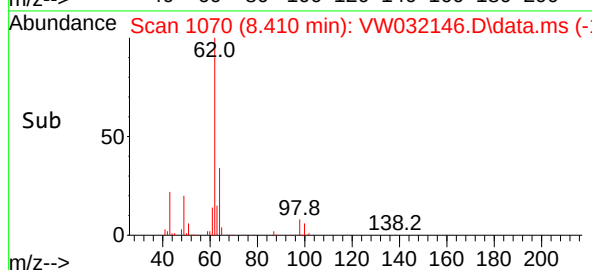
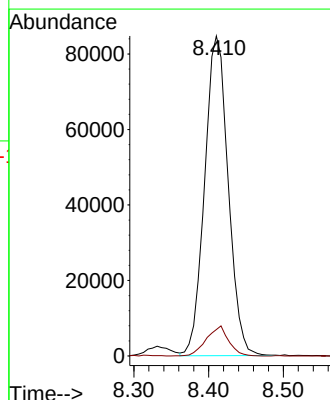
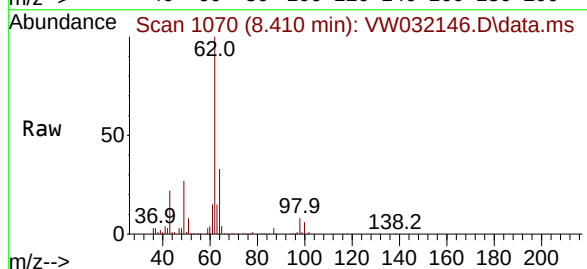
Manual Integrations
APPROVED

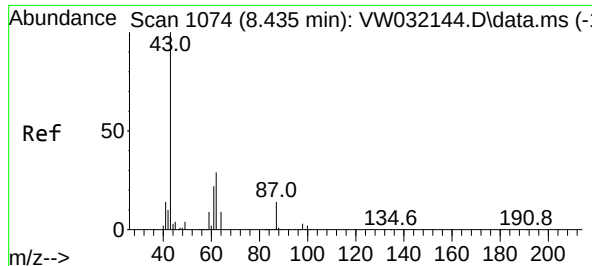
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#42
1,2-Dichloroethane
Concen: 48.444 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0





#43

Isopropyl Acetate

Concen: 48.555 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

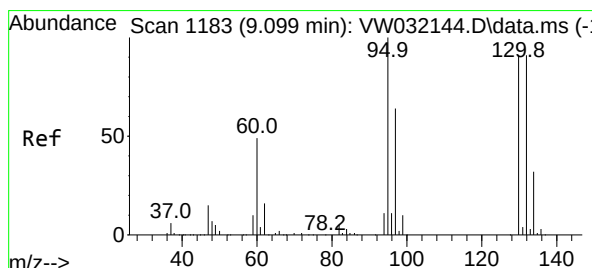
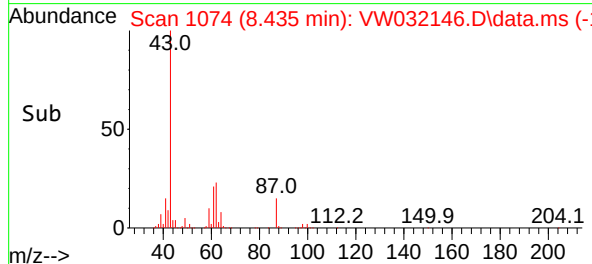
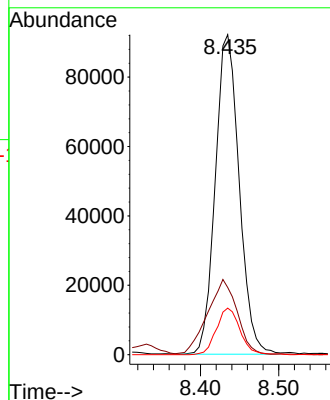
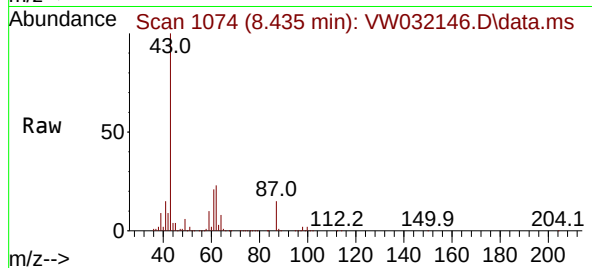
ClientSampleId :

ICVW082625

Tgt Ion:	43	Resp:	195050
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.3	34.9
87	14.5	11.1	16.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#44

Trichloroethene

Concen: 50.438 ug/l

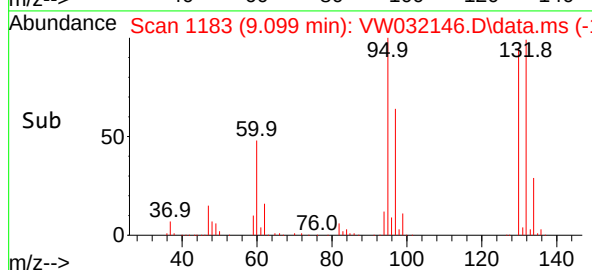
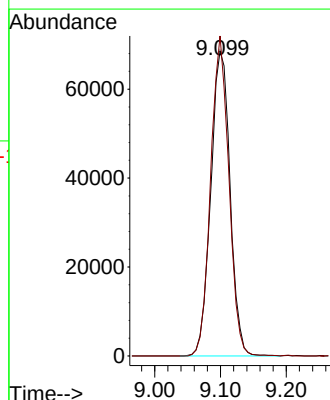
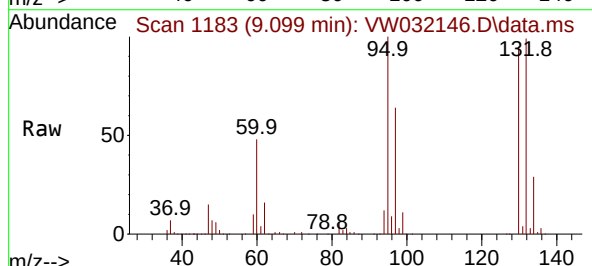
RT: 9.099 min Scan# 1183

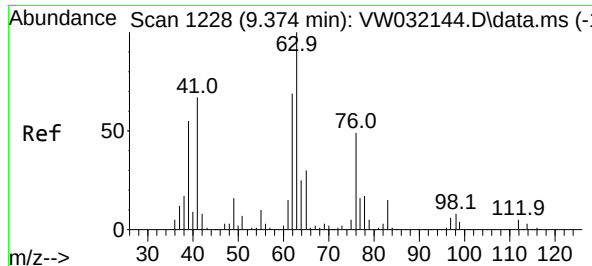
Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	130	Resp:	139951
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	220.0





#45

1,2-Dichloropropane

Concen: 48.110 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 63 Resp: 127962

Ion Ratio Lower Upper

63 100

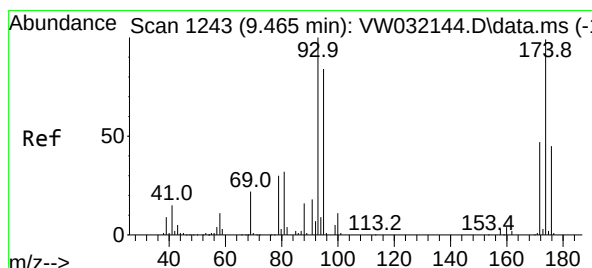
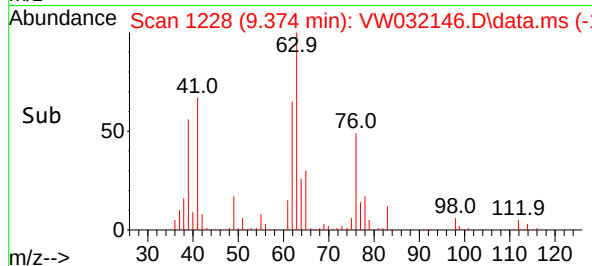
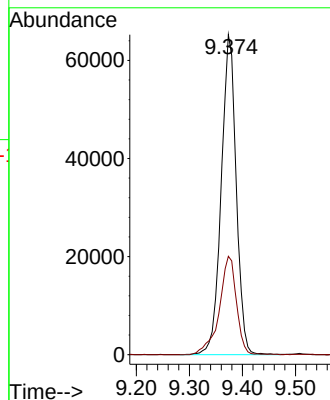
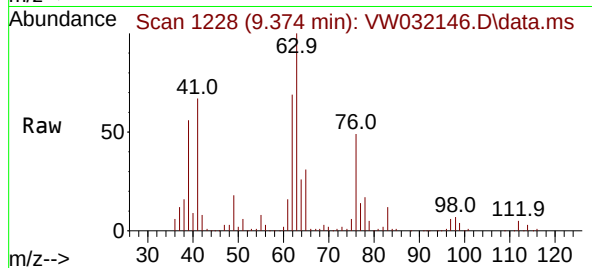
65 30.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#46

Dibromomethane

Concen: 47.269 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

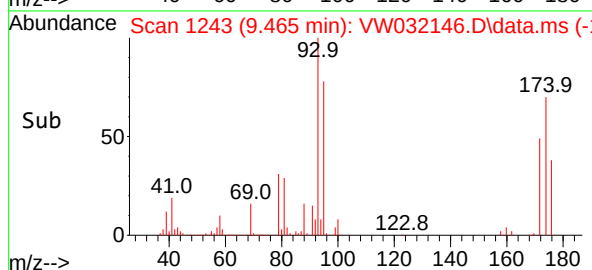
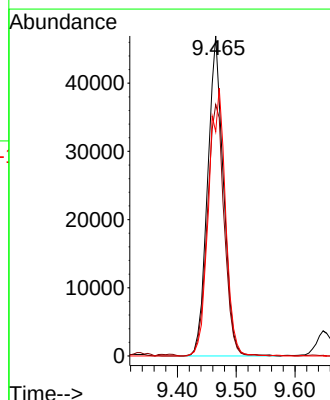
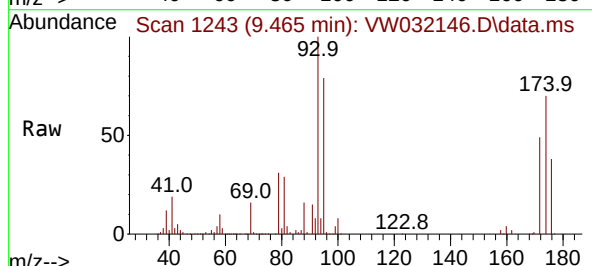
Tgt Ion: 93 Resp: 88183

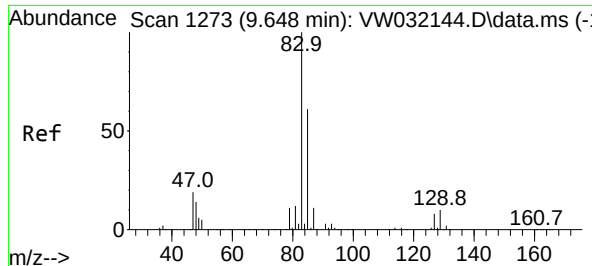
Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.2

174 88.9 75.7 113.5





#47

Bromodichloromethane

Concen: 48.496 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

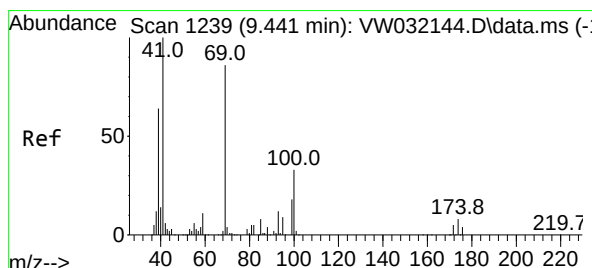
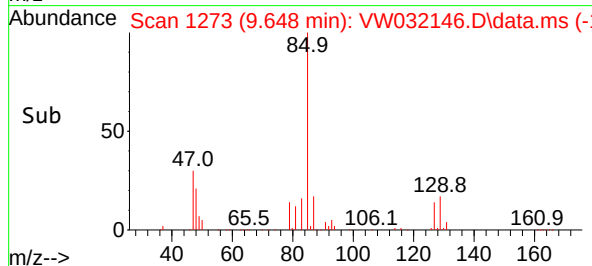
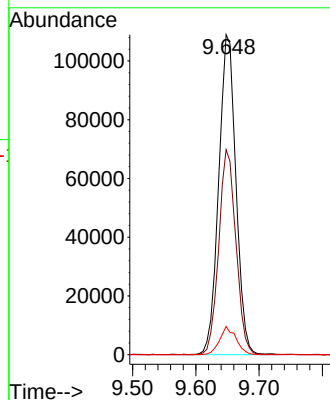
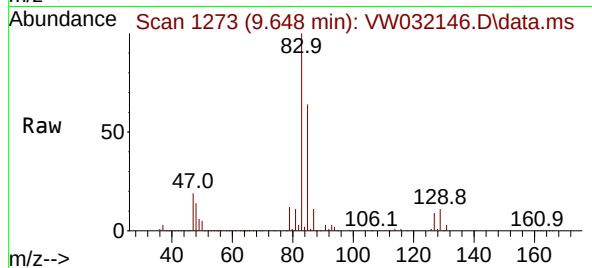
ICVW082625

Tgt Ion:	83	Resp:	20559
Ion	Ratio	Lower	Upper
83	100		
85	64.0	48.7	73.1
127	8.8	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#48

Methyl methacrylate

Concen: 49.232 ug/l

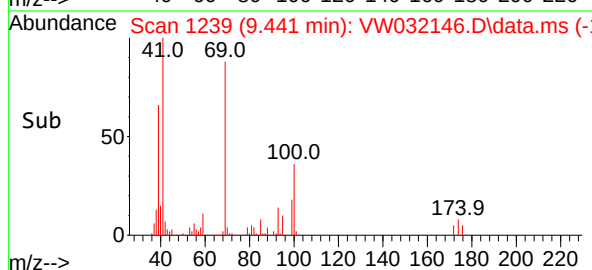
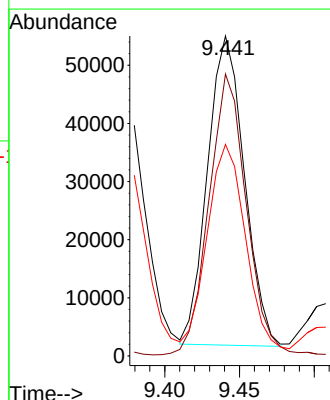
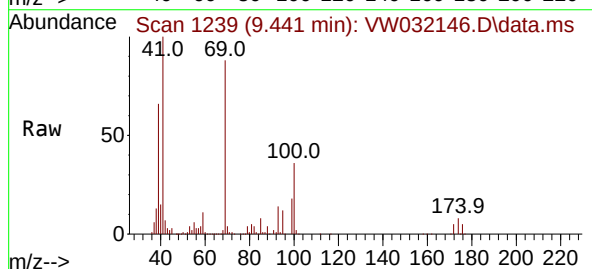
RT: 9.441 min Scan# 1239

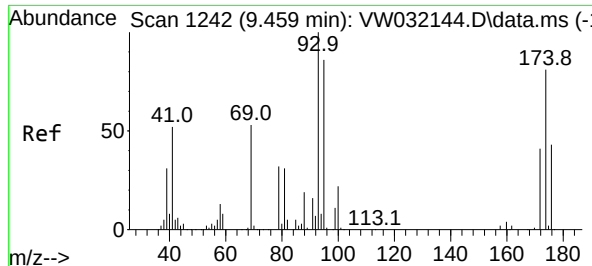
Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	41	Resp:	91140
Ion	Ratio	Lower	Upper
41	100		
69	93.2	71.5	107.3
39	67.3	55.9	83.9





#49

1,4-Dioxane

Concen: 1060.060 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

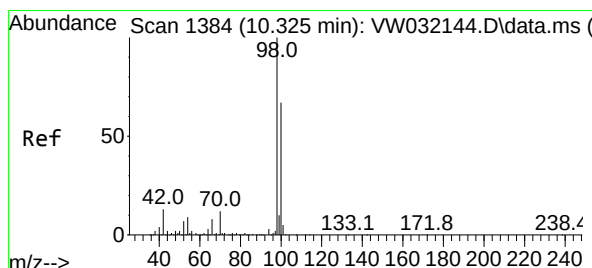
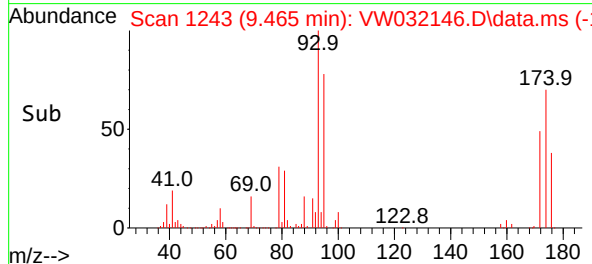
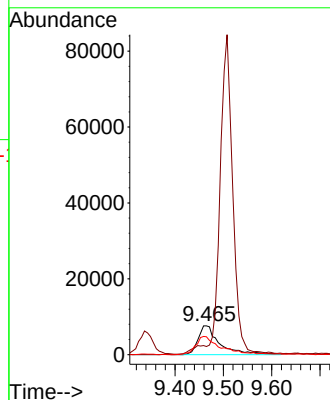
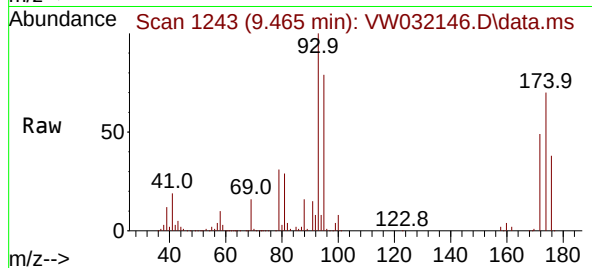
ICVW082625

Tgt Ion:	88	Resp:	23894
Ion	Ratio	Lower	Upper
88	100		
43	20.4	18.0	27.0
58	70.7	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#50

Toluene-d8

Concen: 45.510 ug/l

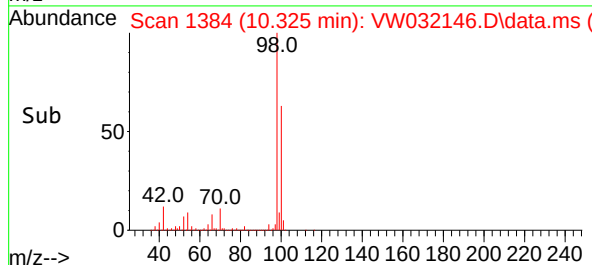
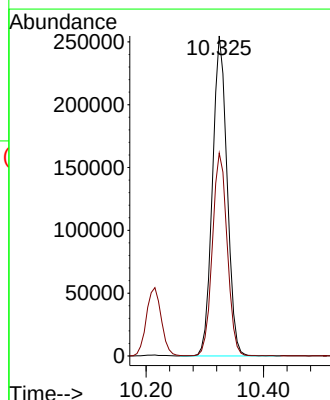
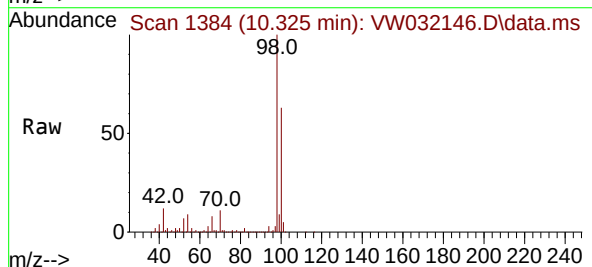
RT: 10.325 min Scan# 1384

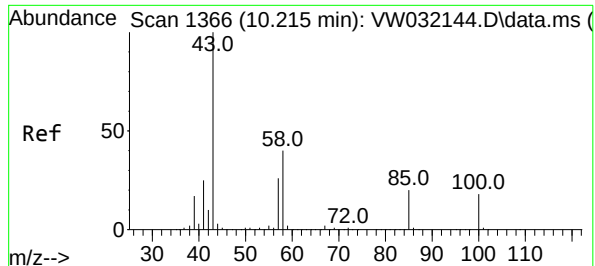
Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	98	Resp:	439822
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





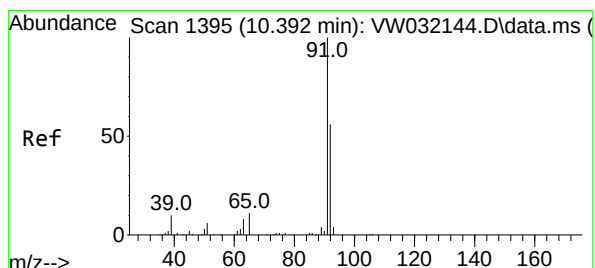
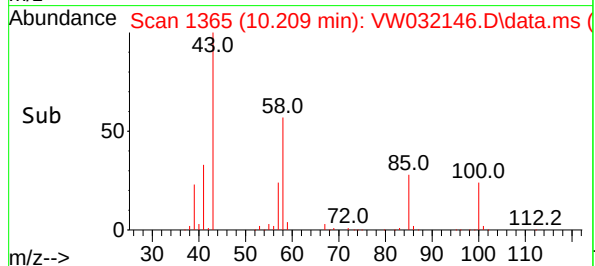
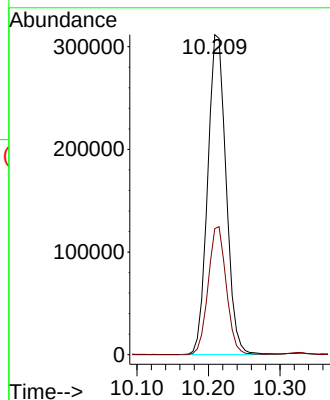
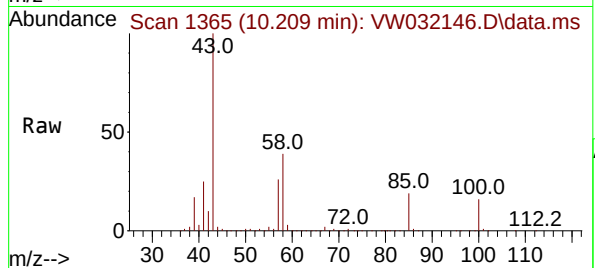
#51
4-Methyl-2-Pentanone
Concen: 246.021 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW082625

Tgt Ion: 43 Resp: 55803
Ion Ratio Lower Upper
43 100
58 39.5 32.0 48.0

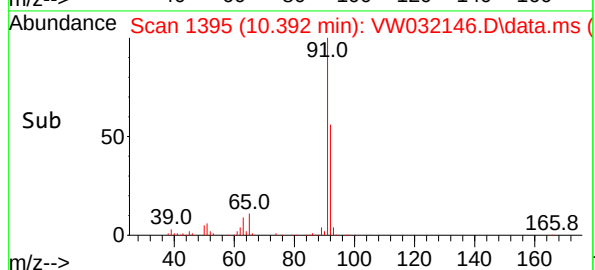
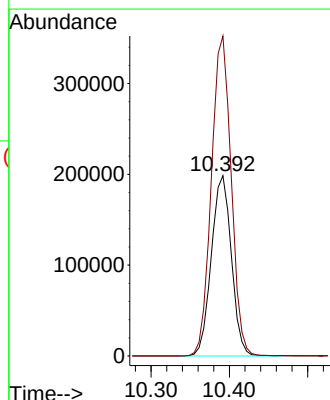
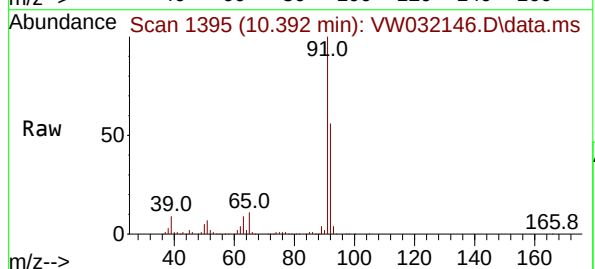
Manual Integrations
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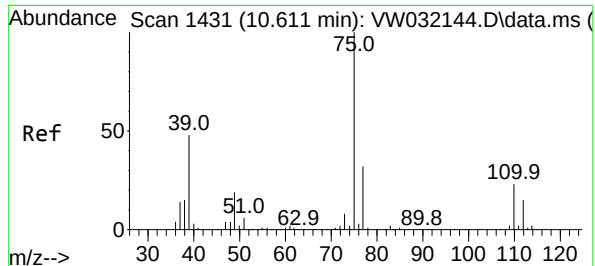
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#52
Toluene
Concen: 48.788 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

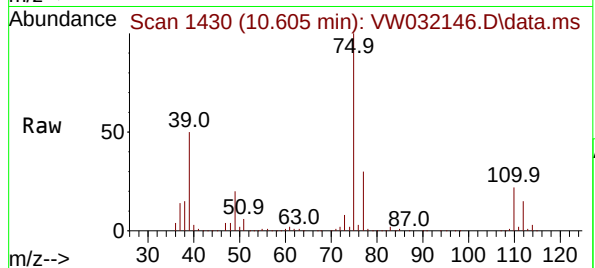
Tgt Ion: 92 Resp: 351771
Ion Ratio Lower Upper
92 100
91 176.0 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 51.459 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

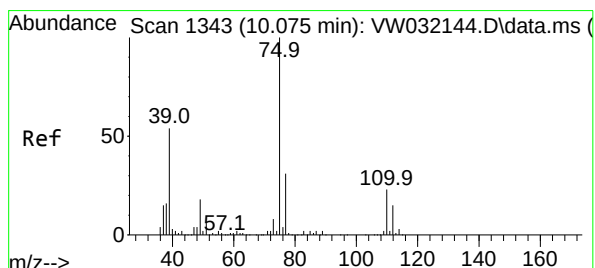
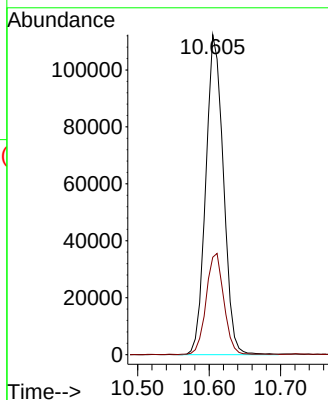
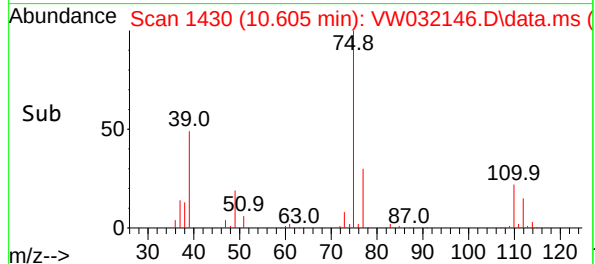
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 75 Resp: 19245
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4

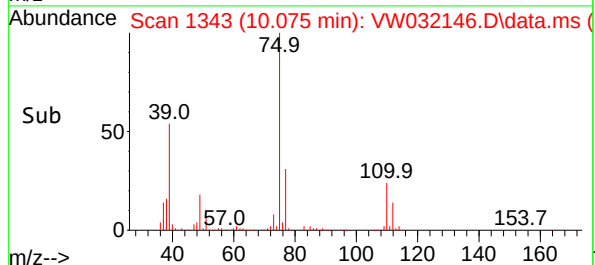
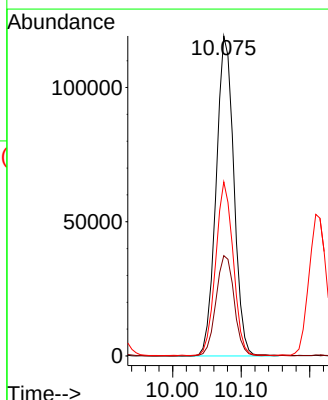
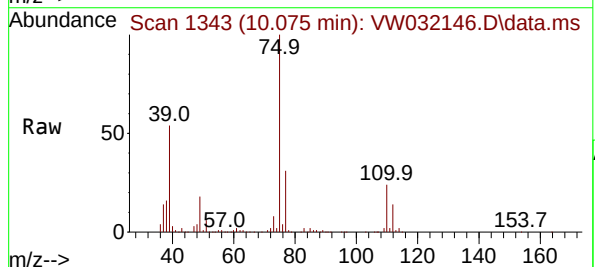
Manual Integrations
APPROVED

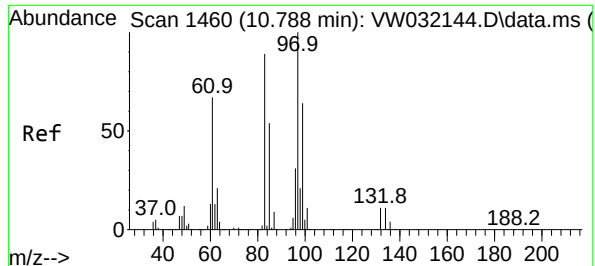
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#54
cis-1,3-Dichloropropene
Concen: 50.066 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion: 75 Resp: 213648
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 54.2 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 45.940 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 97 Resp: 11144

Ion Ratio Lower Upper

97 100

83 92.6 71.0 106.6

85 60.4 42.8 64.2

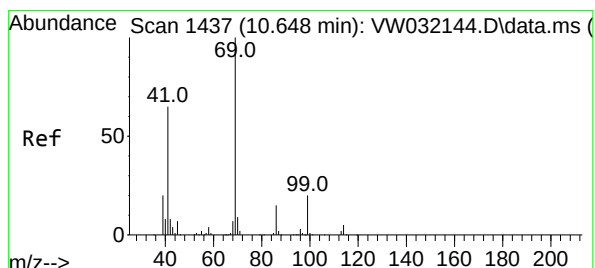
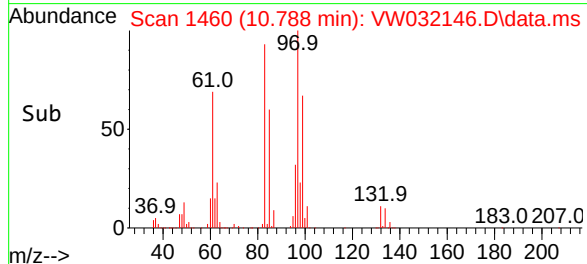
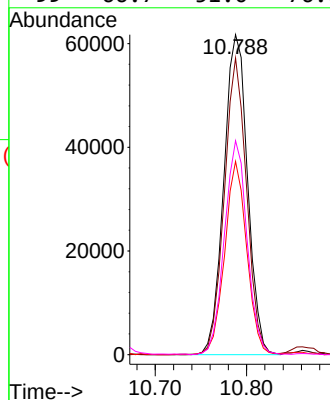
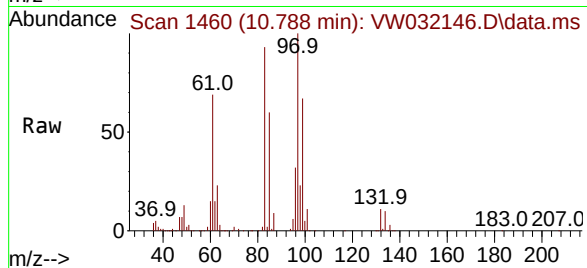
99 66.7 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#56

Ethyl methacrylate

Concen: 51.392 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

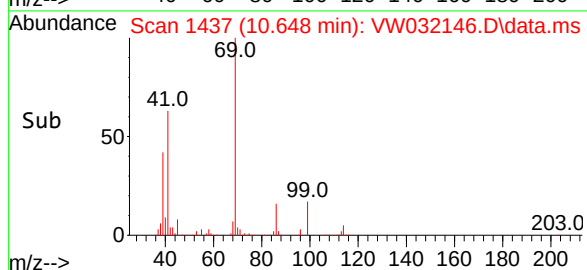
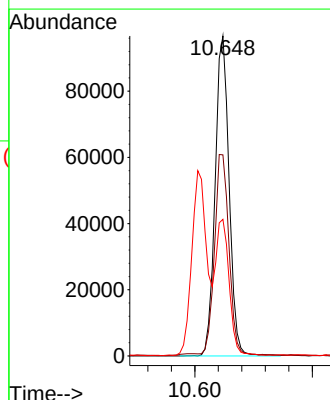
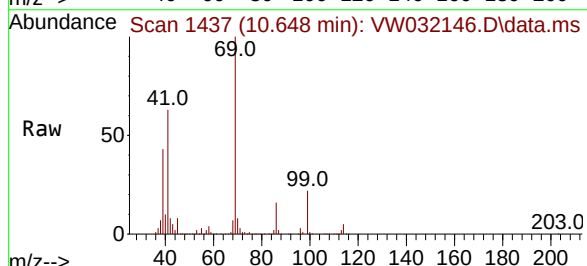
Tgt Ion: 69 Resp: 159388

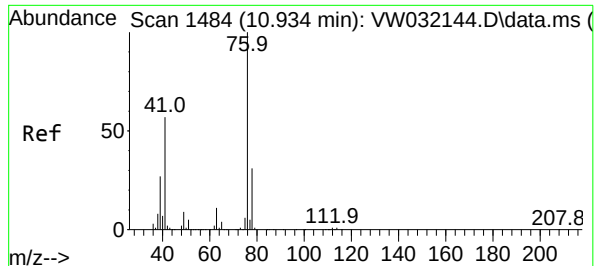
Ion Ratio Lower Upper

69 100

41 64.6 53.2 79.8

39 39.9 32.9 49.3





#57

1,3-Dichloropropane

Concen: 48.602 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 76 Resp: 19742

Ion Ratio Lower Upper

76 100

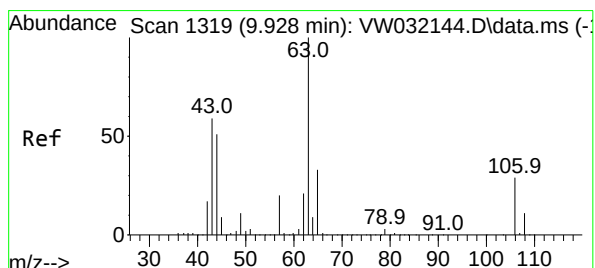
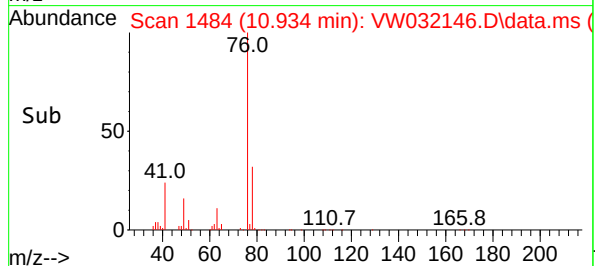
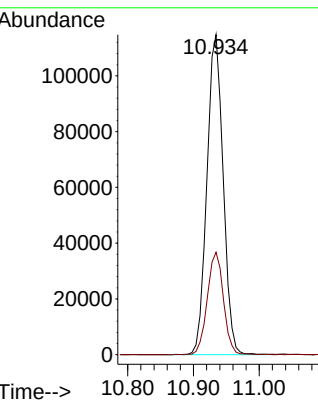
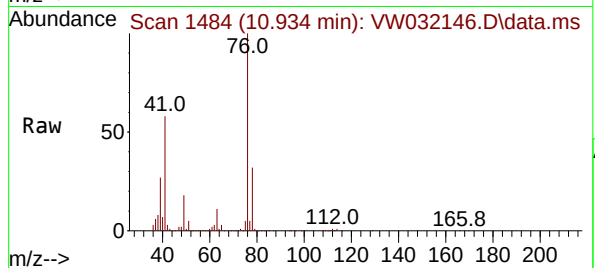
78 31.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#58

2-Chloroethyl Vinyl ether

Concen: 232.934 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032146.D

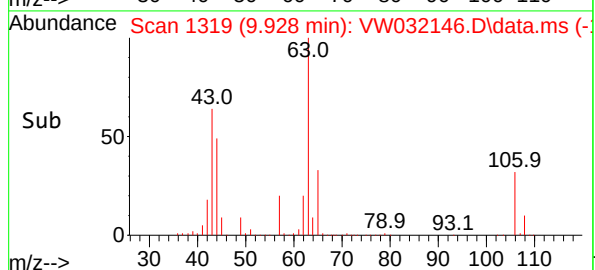
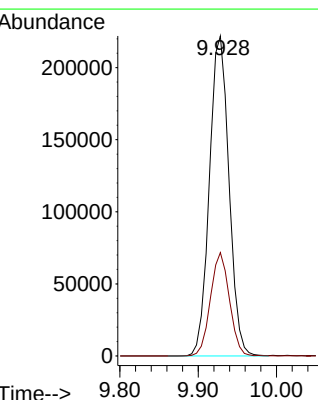
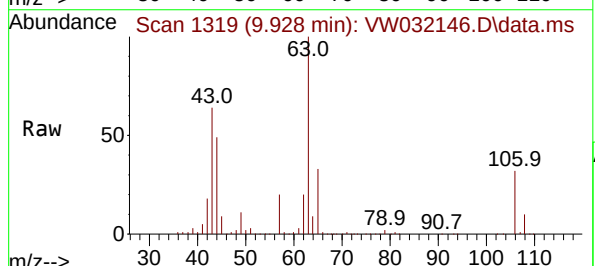
Acq: 26 Aug 2025 13:55

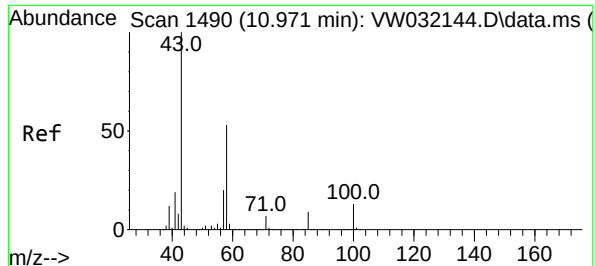
Tgt Ion: 63 Resp: 385600

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5





#59

2-Hexanone

Concen: 258.687 ug/l

RT: 10.965 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 43 Resp: 408079

Ion Ratio Lower Upper

43 100

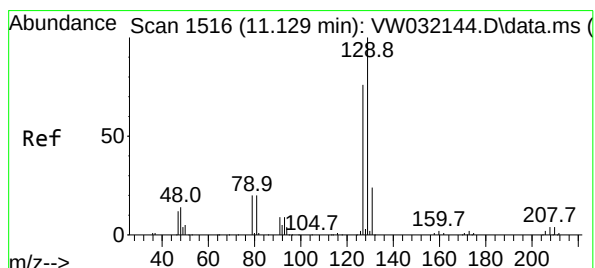
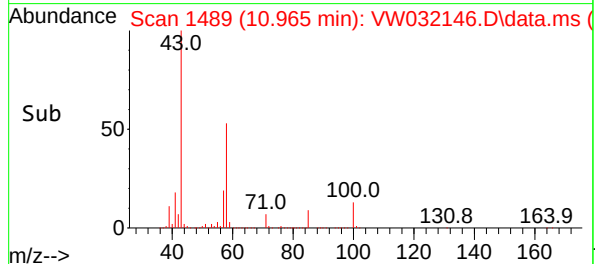
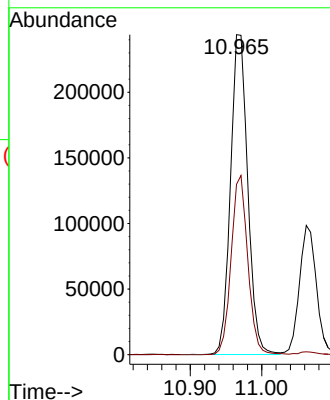
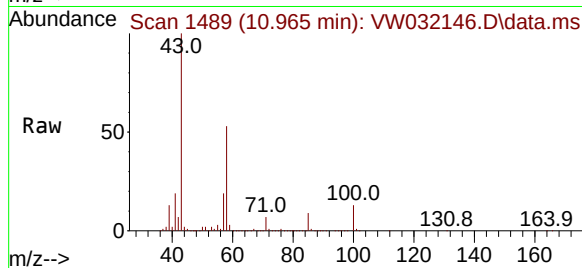
58 54.2 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#60

Dibromochloromethane

Concen: 49.161 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW032146.D

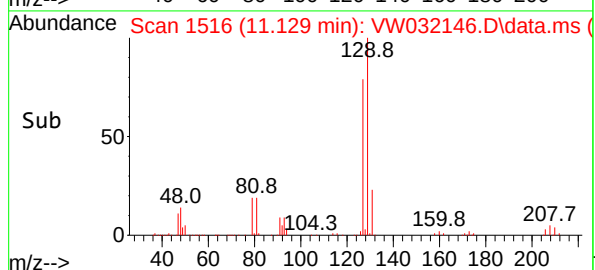
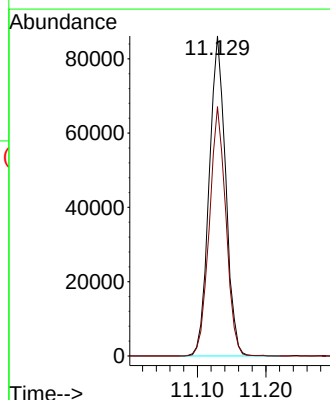
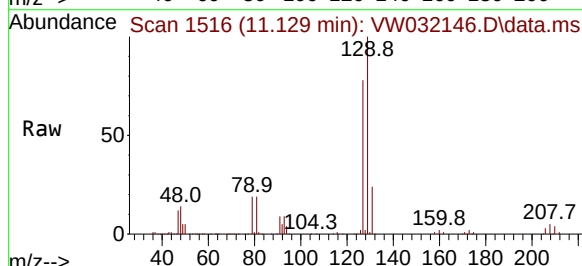
Acq: 26 Aug 2025 13:55

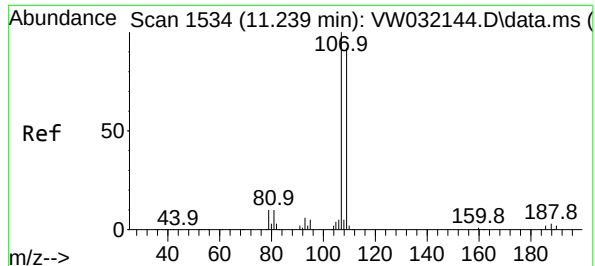
Tgt Ion:129 Resp: 144311

Ion Ratio Lower Upper

129 100

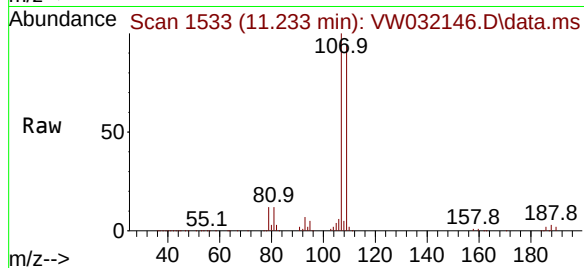
127 77.9 38.1 114.5





#61
1,2-Dibromoethane
Concen: 48.223 ug/l
RT: 11.233 min Scan# 11504
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

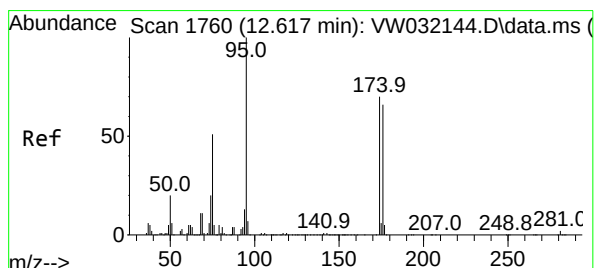
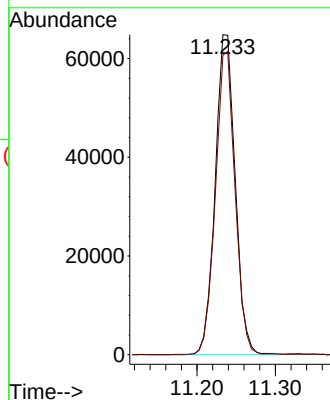
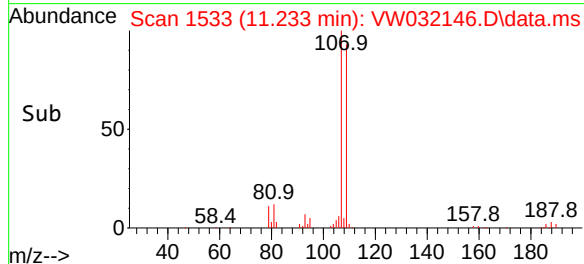
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion:107 Resp: 11504
Ion Ratio Lower Upper
107 100
109 93.1 74.5 111.7

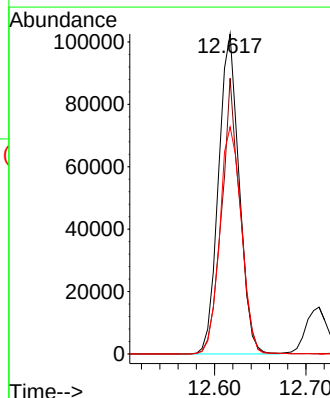
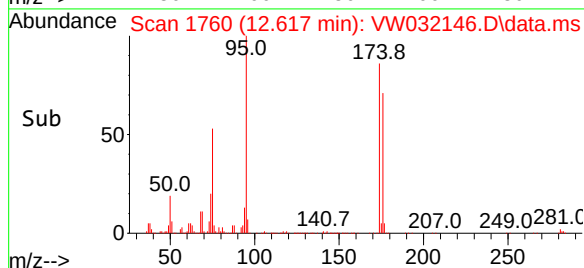
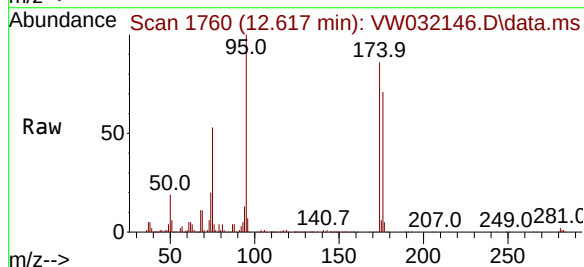
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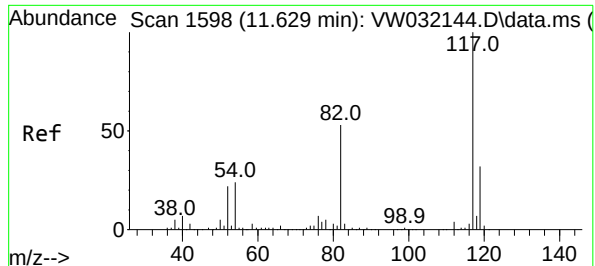
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#62
4-Bromofluorobenzene
Concen: 44.975 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

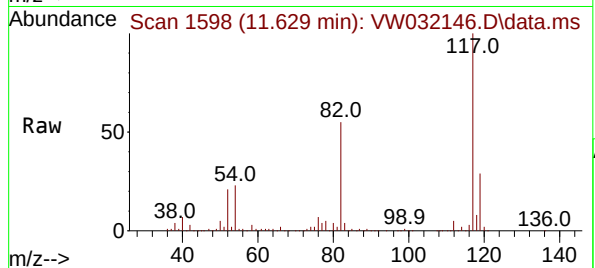
Tgt Ion: 95 Resp: 160725
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.6
176 74.9 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

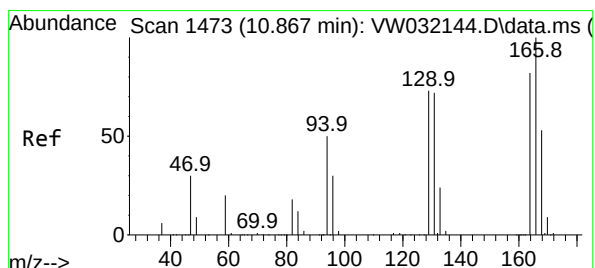
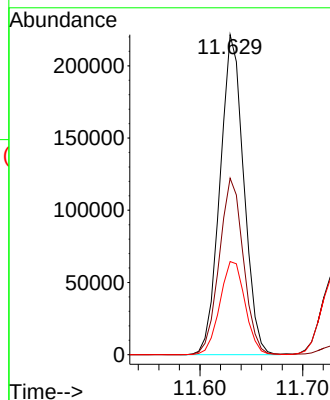
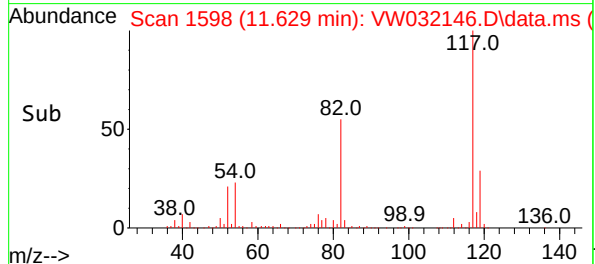
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion:117 Resp: 355170
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 29.1 25.2 37.8

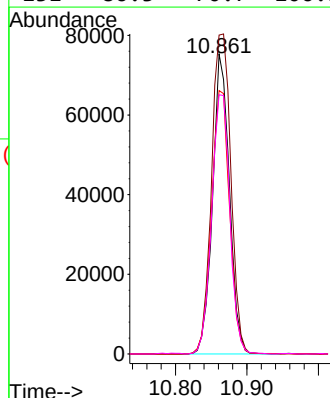
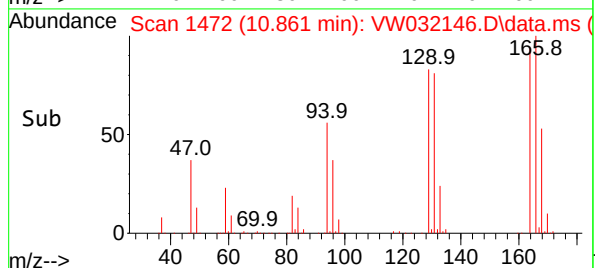
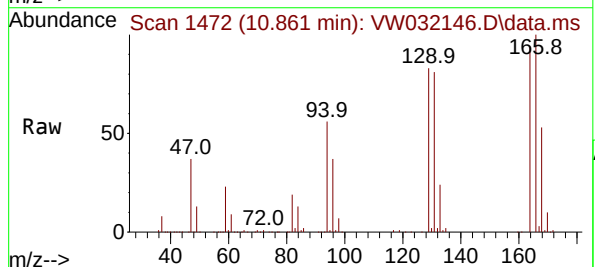
Manual Integrations
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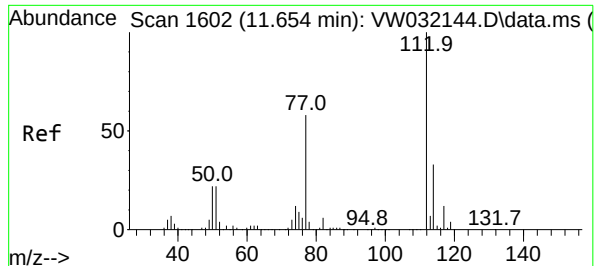
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#64
Tetrachloroethene
Concen: 52.531 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion:164 Resp: 122798
Ion Ratio Lower Upper
164 100
166 106.3 97.5 146.3
129 87.8 71.2 106.8
131 86.3 70.7 106.1





#65

Chlorobenzene

Concen: 48.501 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:112 Resp: 392099

Ion Ratio Lower Upper

112 100

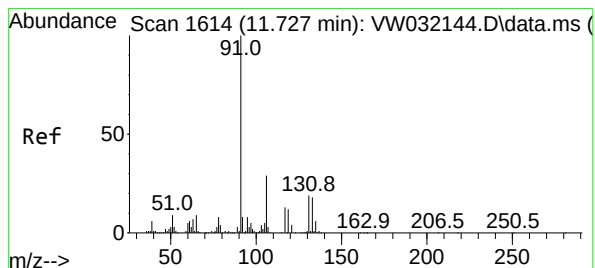
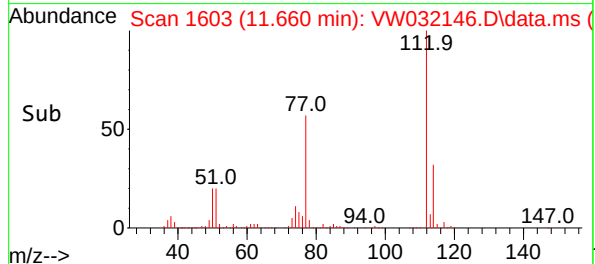
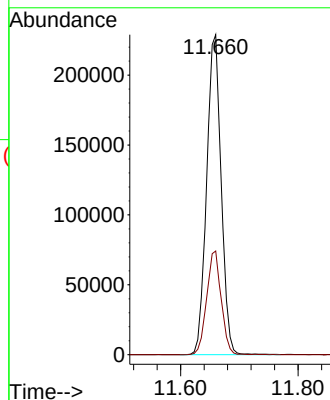
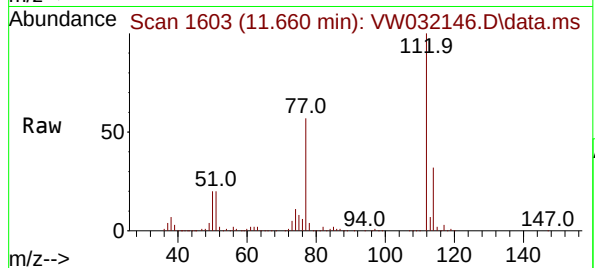
114 32.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 50.593 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

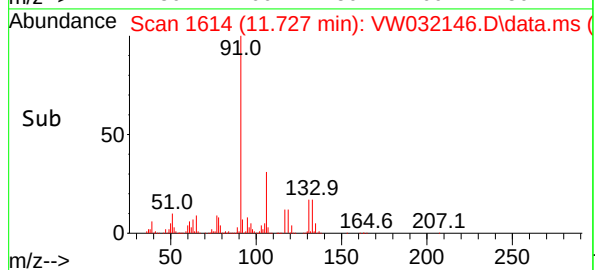
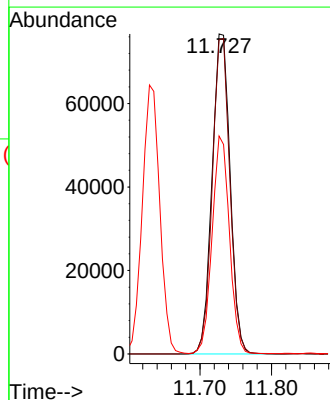
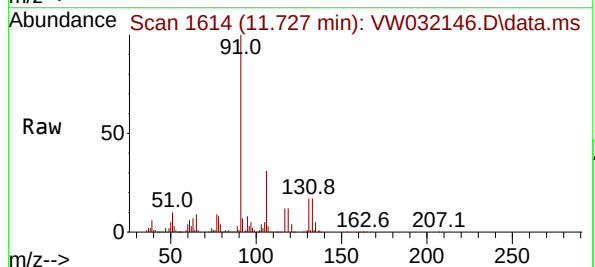
Tgt Ion:131 Resp: 134657

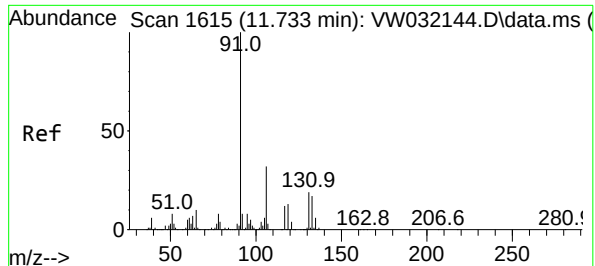
Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

119 65.2 32.8 98.3





#67

Ethyl Benzene

Concen: 53.267 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.006 min

Lab File: VW032146.D

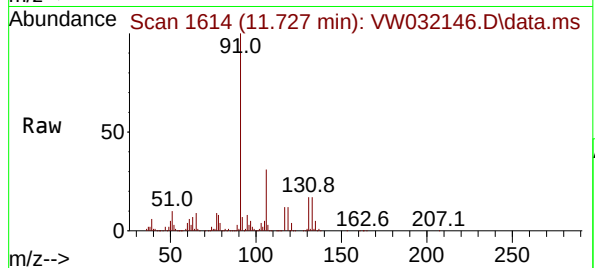
Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625



Tgt Ion: 91 Resp: 705560

Ion Ratio Lower Upper

91 100

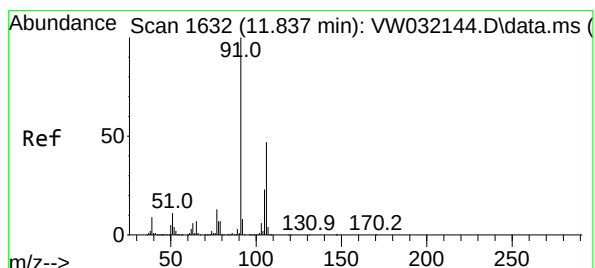
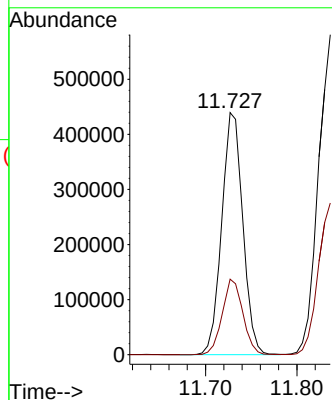
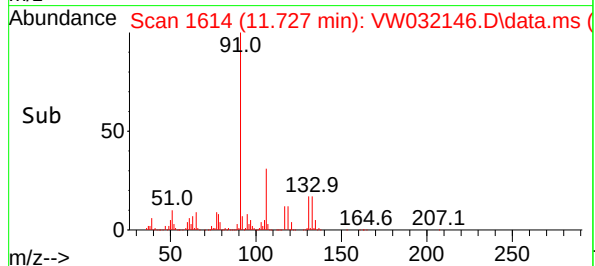
106 31.2 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#68

m/p-Xylenes

Concen: 104.945 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032146.D

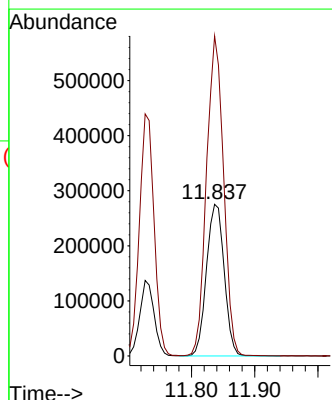
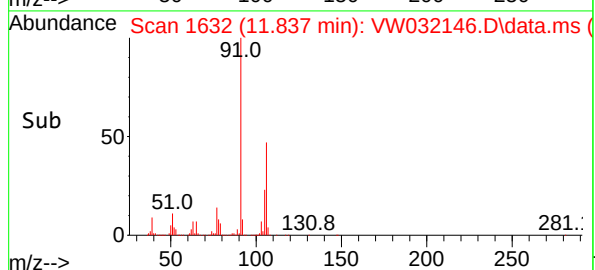
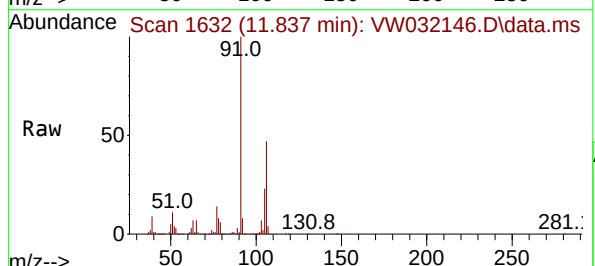
Acq: 26 Aug 2025 13:55

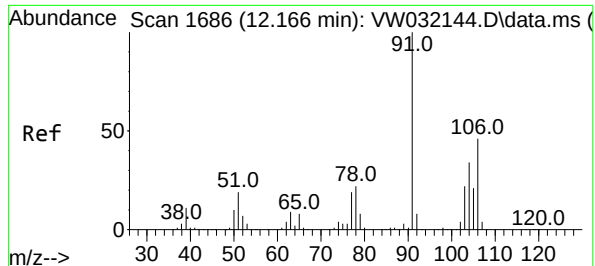
Tgt Ion:106 Resp: 534982

Ion Ratio Lower Upper

106 100

91 203.7 164.2 246.2





#69

o-Xylene

Concen: 53.311 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:106 Resp: 25706

Ion Ratio Lower Upper

106 100

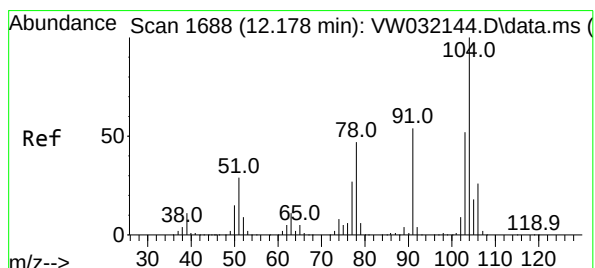
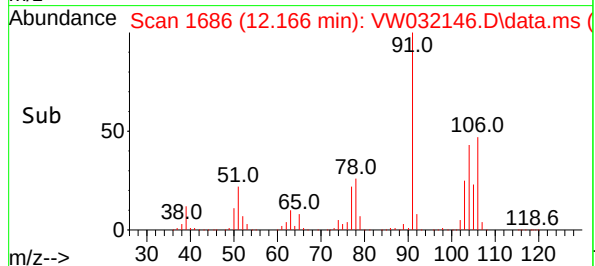
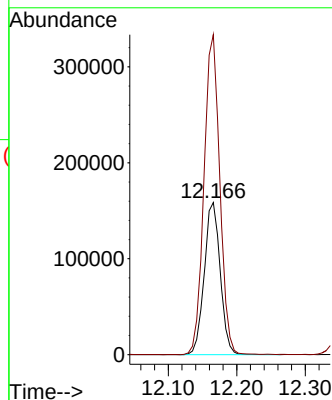
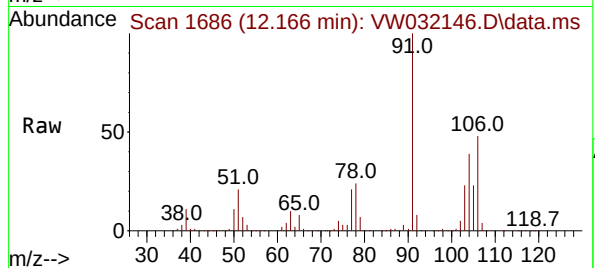
91 208.7 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#70

Styrene

Concen: 52.371 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

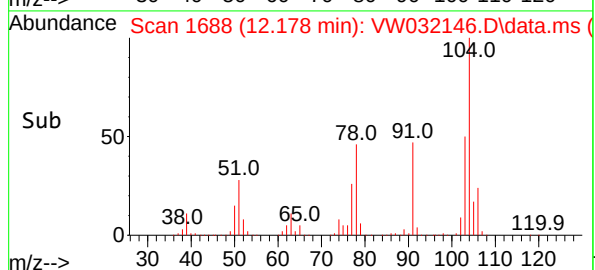
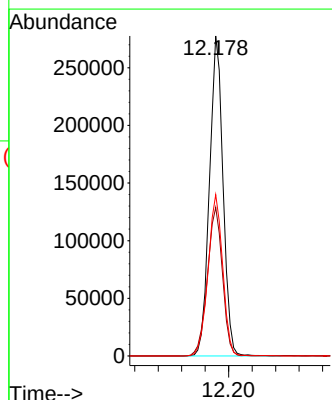
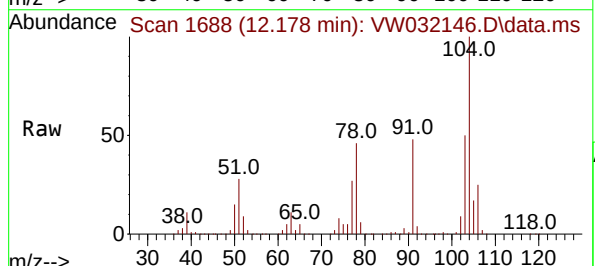
Tgt Ion:104 Resp: 445155

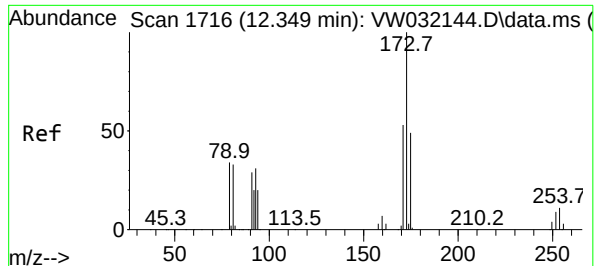
Ion Ratio Lower Upper

104 100

78 51.4 41.6 62.4

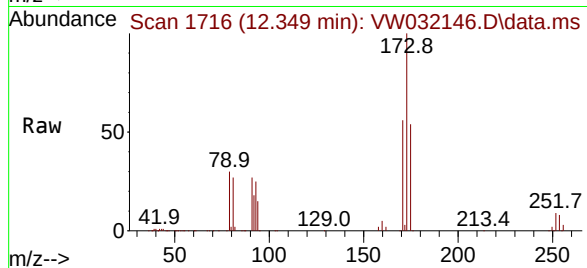
103 54.2 44.8 67.2





#71
Bromoform
Concen: 50.601 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

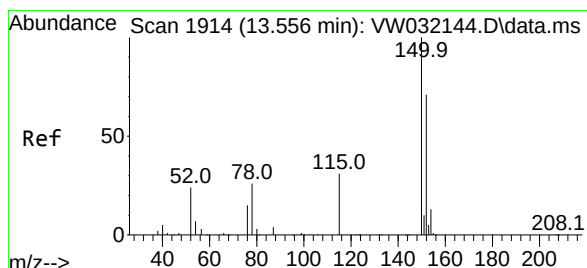
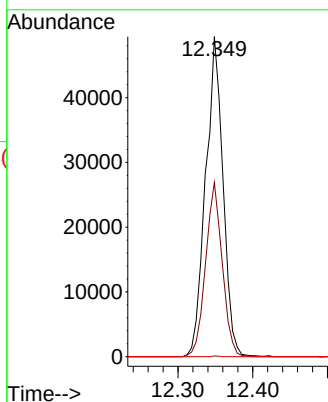
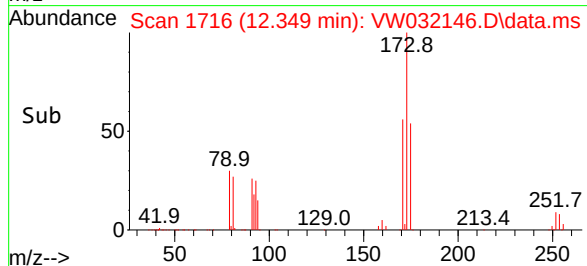
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



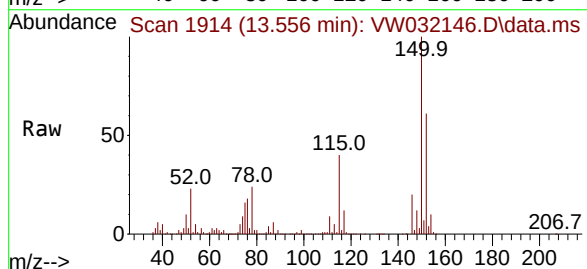
Tgt Ion:173 Resp: 79989
Ion Ratio Lower Upper
173 100
175 52.0 24.9 74.7
254 0.1 0.2 0.2

Manual Integrations
APPROVED

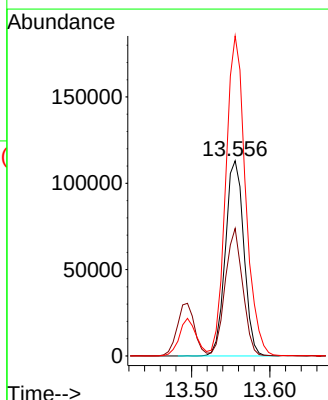
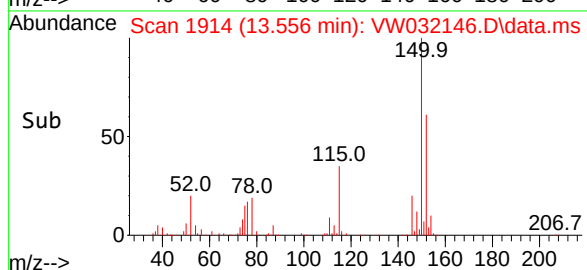
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025

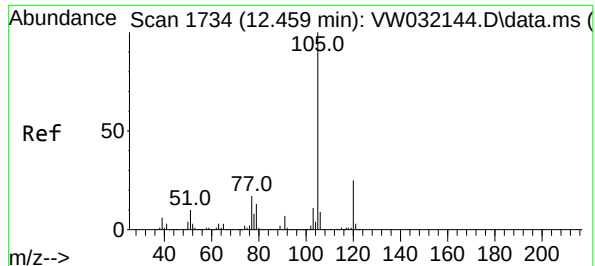


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55



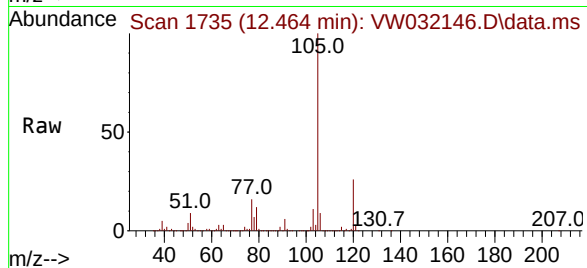
Tgt Ion:152 Resp: 185134
Ion Ratio Lower Upper
152 100
115 62.0 31.8 95.4
150 175.3 0.0 343.0





#73
Isopropylbenzene
Concen: 51.711 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

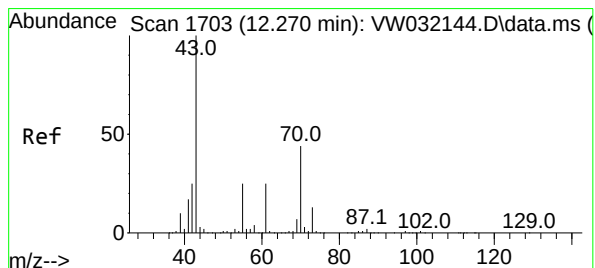
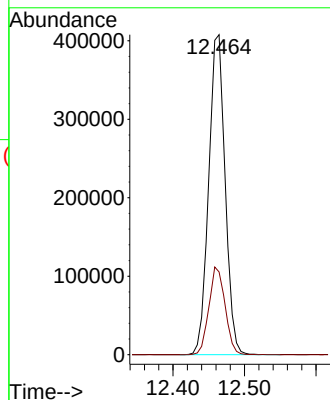
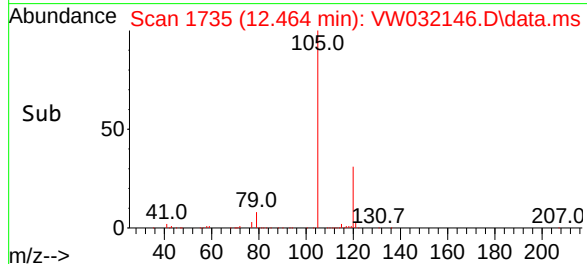
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion:105 Resp: 65039
Ion Ratio Lower Upper
105 100
120 27.0 13.0 38.9

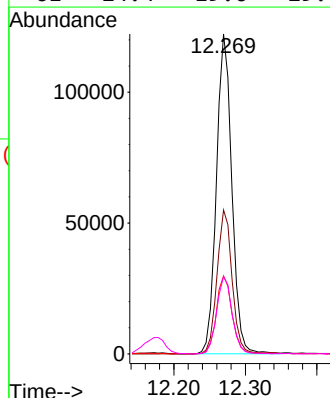
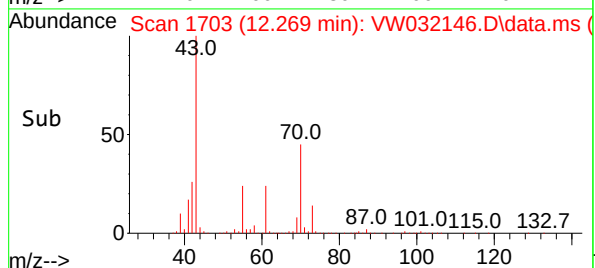
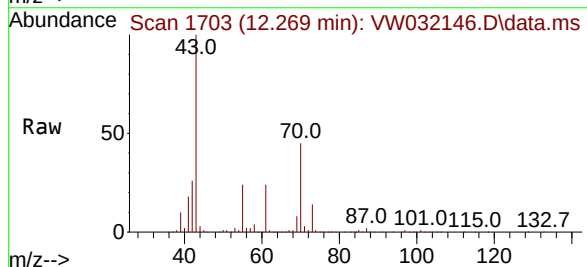
Manual Integrations
APPROVED

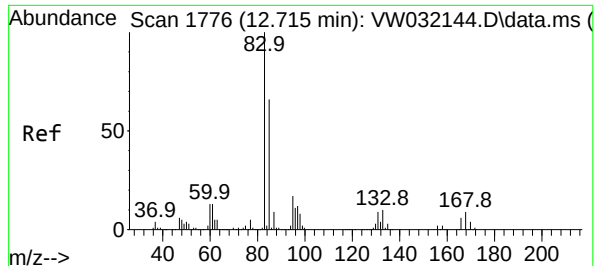
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#74
N-ethyl acetate
Concen: 50.061 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

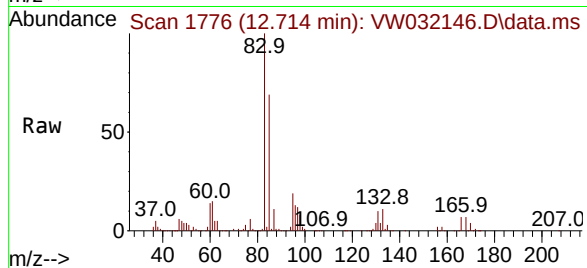
Tgt Ion: 43 Resp: 182802
Ion Ratio Lower Upper
43 100
70 44.1 35.3 52.9
55 24.9 19.9 29.9
61 24.4 19.6 29.4





#75
1,1,2-Tetrachloroethane
Concen: 46.980 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

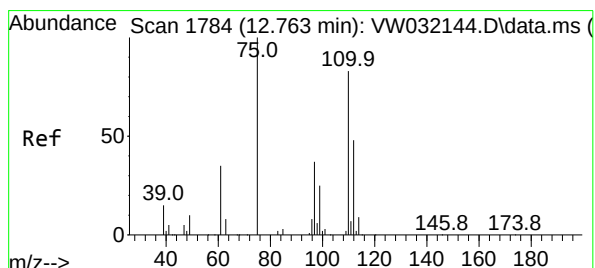
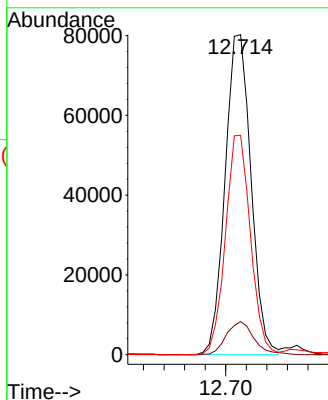
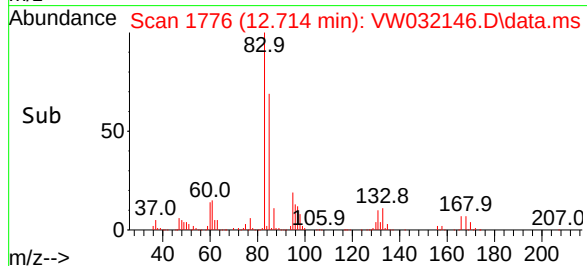
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 83 Resp: 140420
Ion Ratio Lower Upper
83 100
131 11.0 5.1 15.4
85 66.2 32.2 96.6

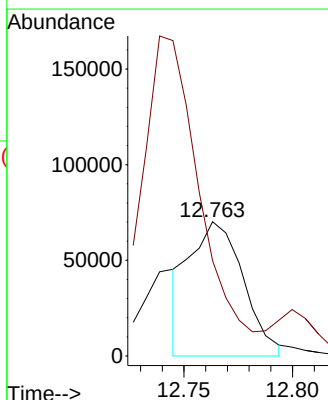
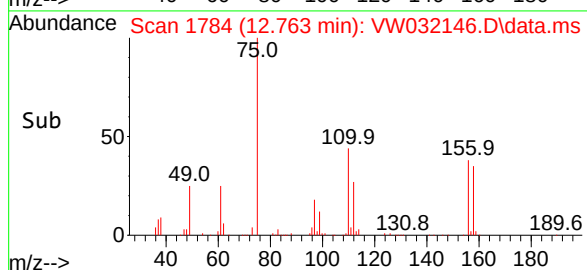
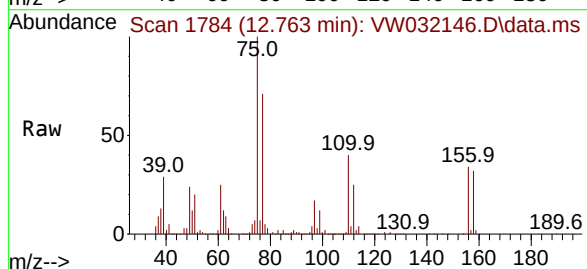
Manual Integrations
APPROVED

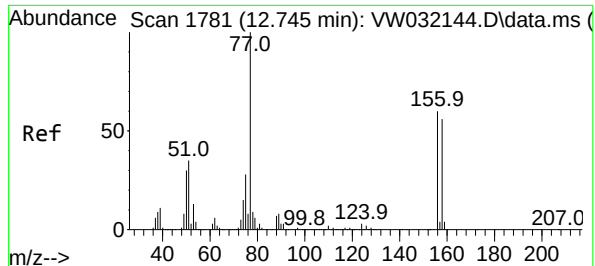
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#76
1,2,3-Trichloropropane
Concen: 52.182 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

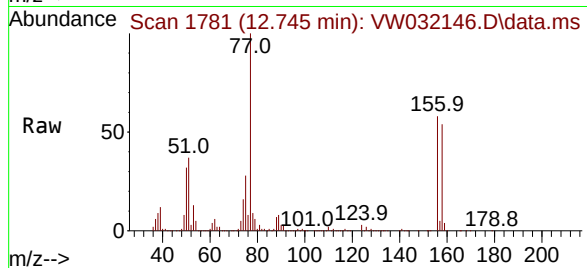
Tgt Ion: 75 Resp: 121030
Ion Ratio Lower Upper
75 100
77 0.0 141.7 425.1#





#77
Bromobenzene
Concen: 49.609 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

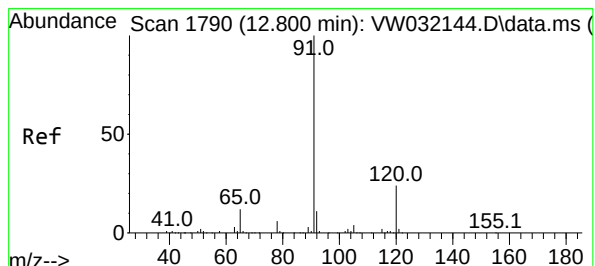
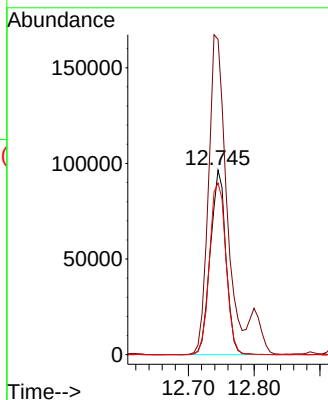
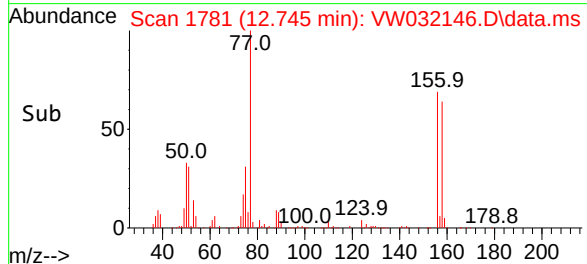
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 156 Resp: 15911
Ion Ratio Lower Upper
156 100
77 196.6 98.6 295.7
158 98.6 48.4 145.0

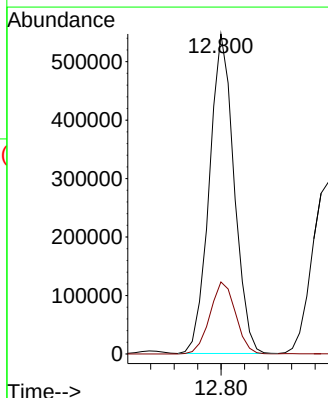
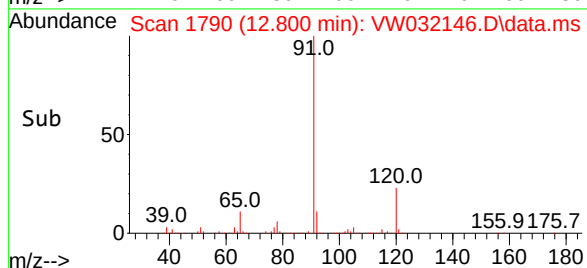
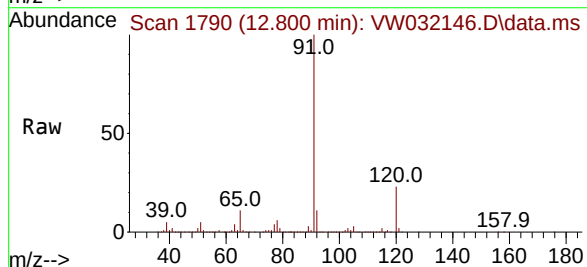
Manual Integrations
APPROVED

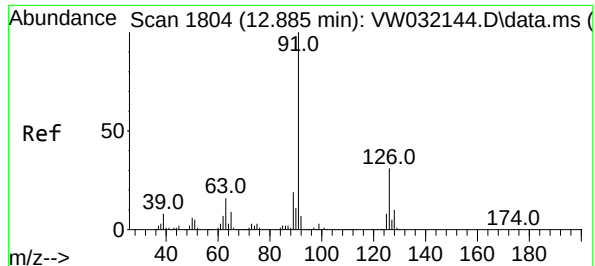
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#78
n-propylbenzene
Concen: 52.469 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion: 91 Resp: 801192
Ion Ratio Lower Upper
91 100
120 23.3 11.8 35.4





#79

2-Chlorotoluene

Concen: 50.751 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion: 91 Resp: 47388

Ion Ratio Lower Upper

91 100

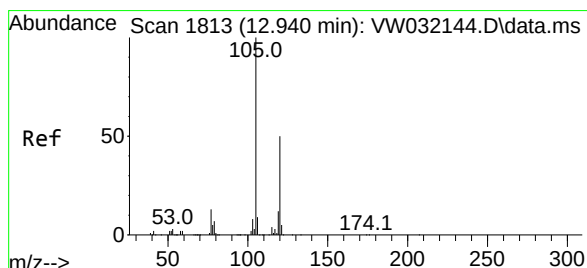
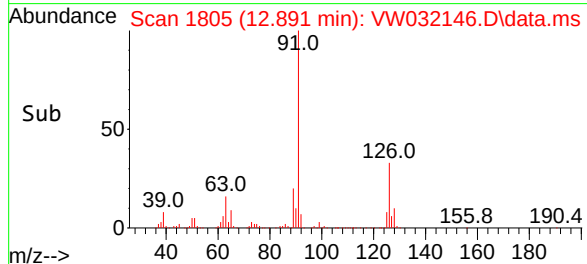
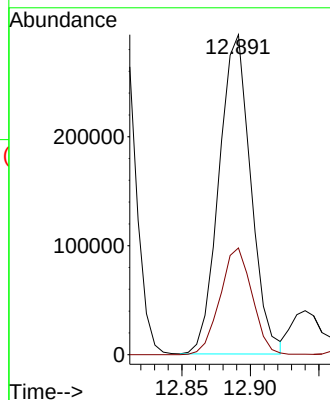
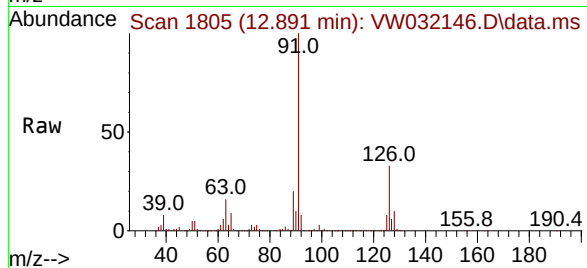
126 33.6 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.066 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032146.D

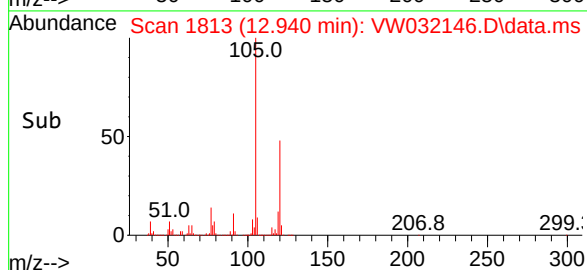
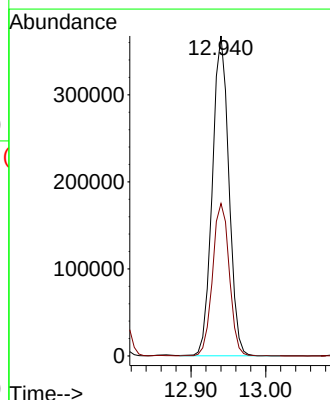
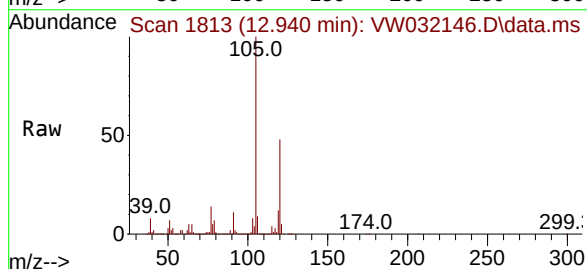
Acq: 26 Aug 2025 13:55

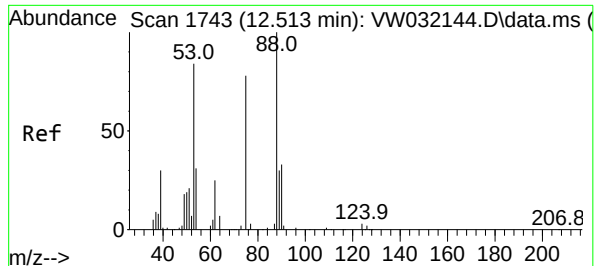
Tgt Ion:105 Resp: 565093

Ion Ratio Lower Upper

105 100

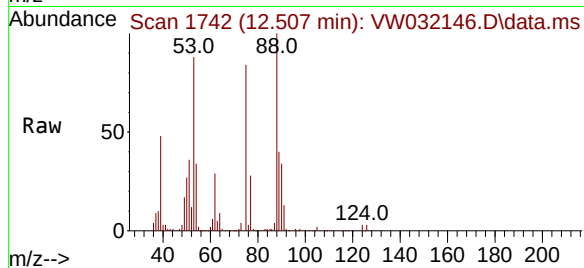
120 48.3 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 52.219 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

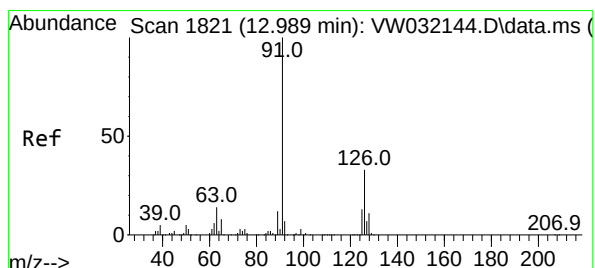
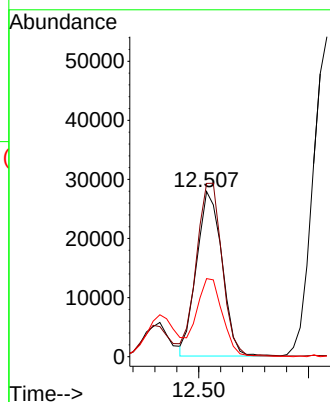
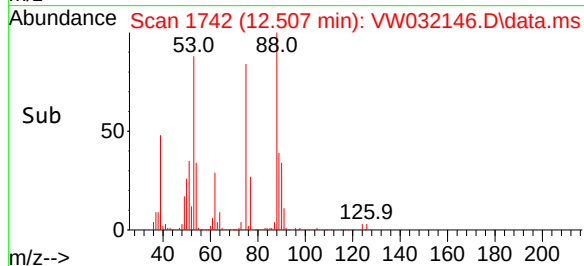
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion: 75 Resp: 4498
Ion Ratio Lower Upper
75 100
53 105.0 91.0 136.6
89 47.3 39.4 59.2

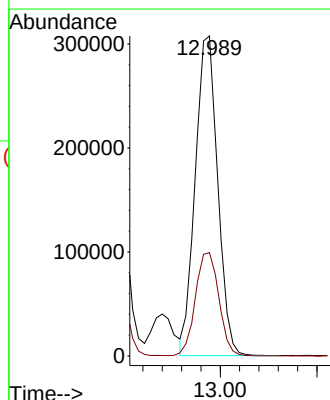
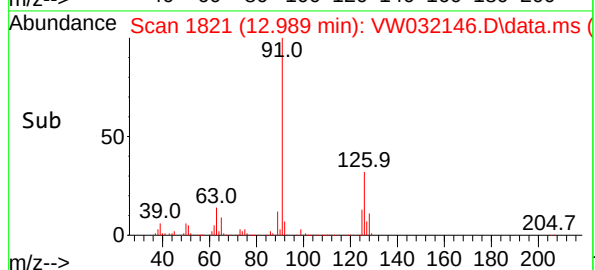
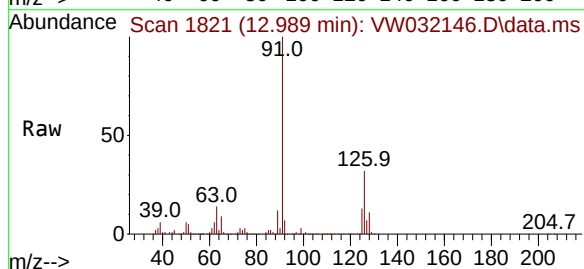
Manual Integrations
APPROVED

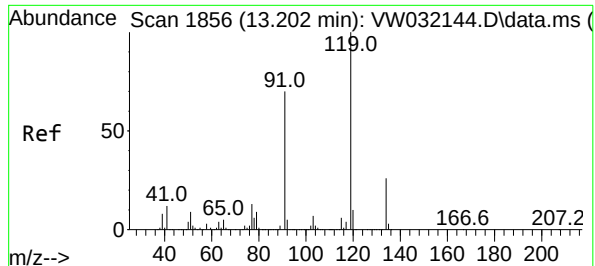
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#82
4-Chlorotoluene
Concen: 49.587 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion: 91 Resp: 495627
Ion Ratio Lower Upper
91 100
126 34.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 53.512 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032146.D

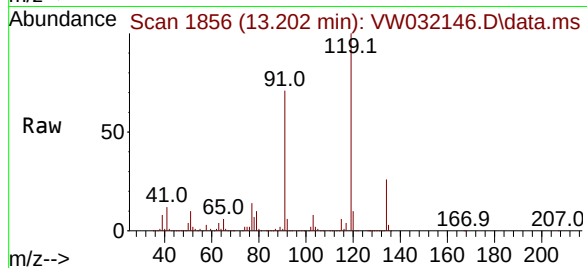
Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625



Tgt Ion:119 Resp: 48316

Ion Ratio Lower Upper

119 100

91 68.4 33.8 101.3

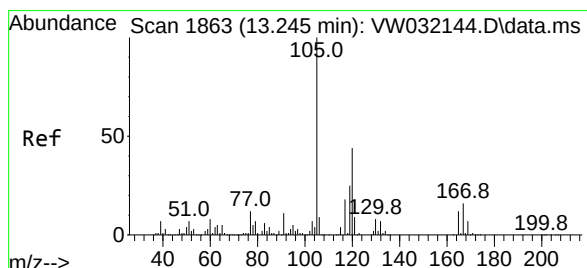
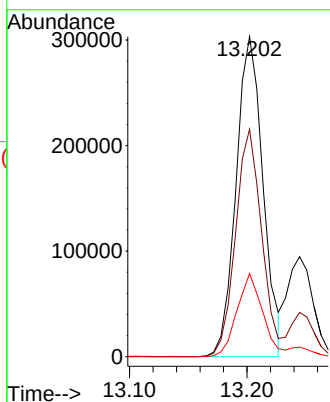
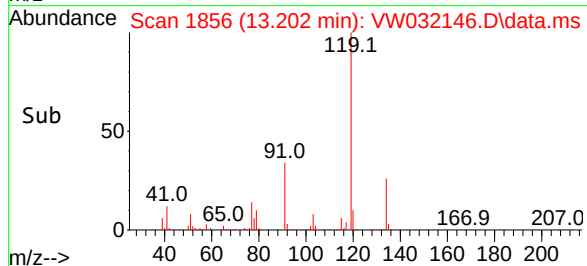
134 24.9 12.5 37.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#84

1,2,4-Trimethylbenzene

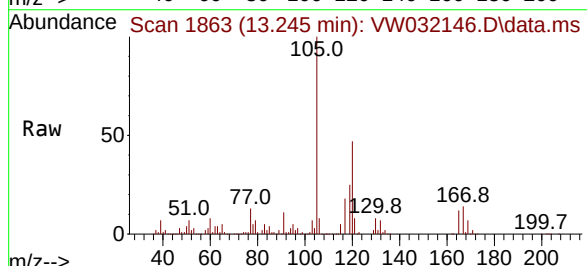
Concen: 51.884 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

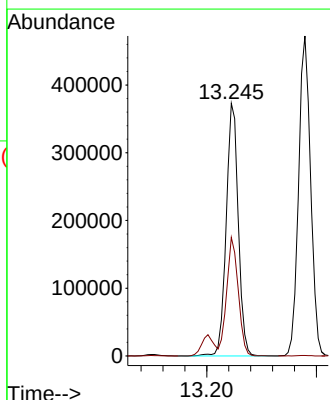
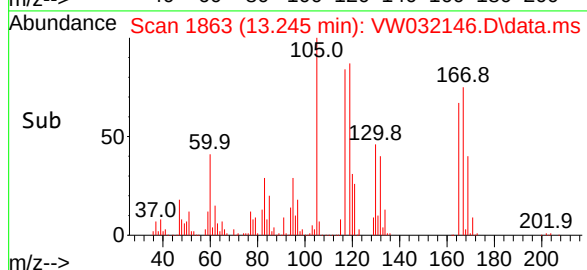


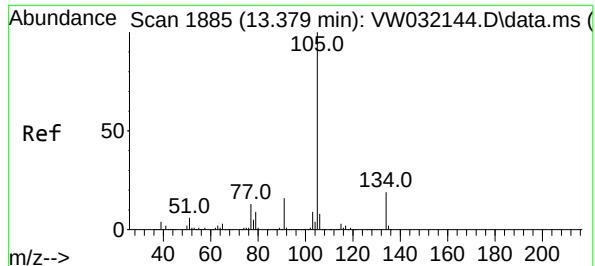
Tgt Ion:105 Resp: 571607

Ion Ratio Lower Upper

105 100

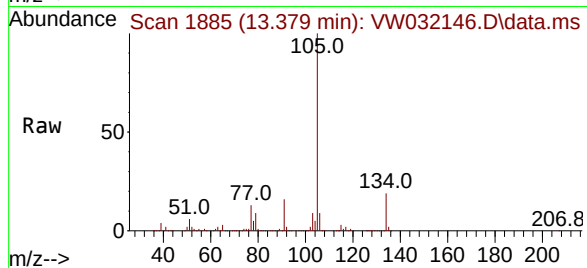
120 45.1 22.1 66.3





#85
sec-Butylbenzene
Concen: 53.088 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

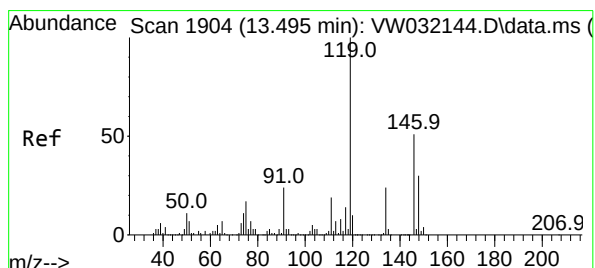
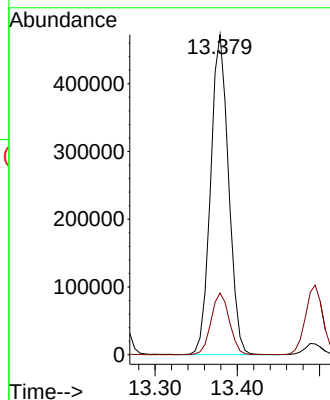
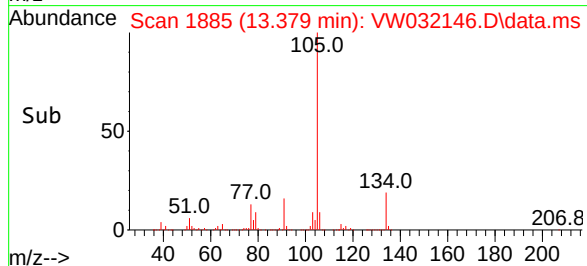
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion:105 Resp: 71565
Ion Ratio Lower Upper
105 100
134 19.6 10.1 30.1

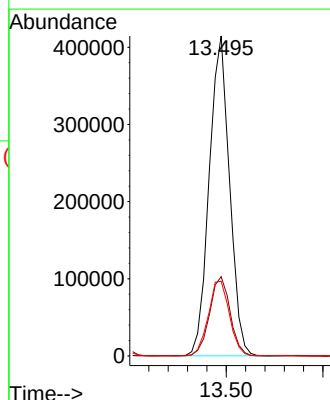
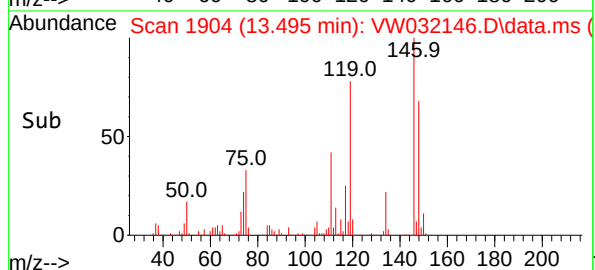
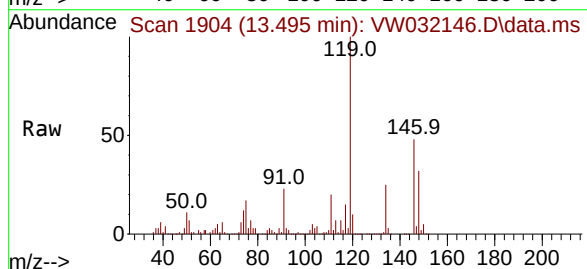
Manual Integrations
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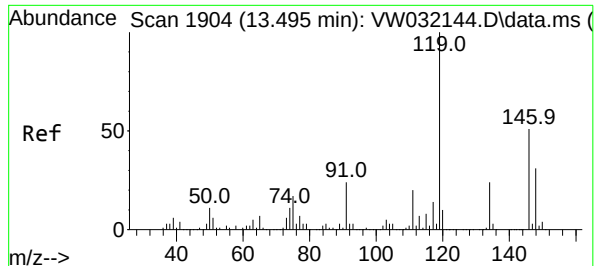
Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#86
p-Isopropyltoluene
Concen: 52.722 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion:119 Resp: 604413
Ion Ratio Lower Upper
119 100
134 25.0 12.6 37.6
91 24.4 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 49.012 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:146 Resp: 316514

Ion Ratio Lower Upper

146 100

111 41.6 20.6 61.9

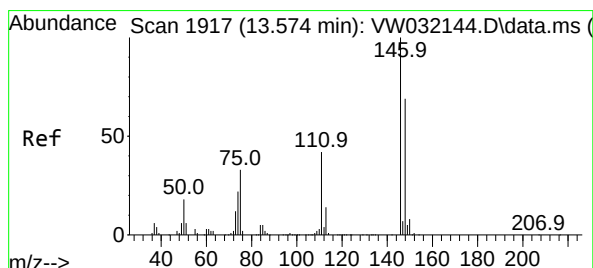
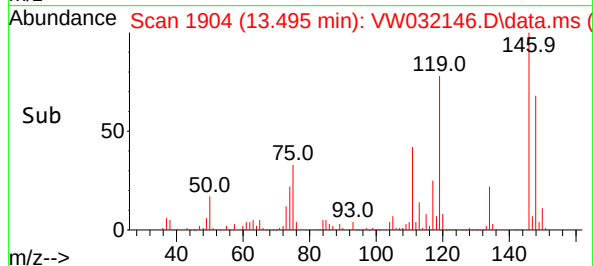
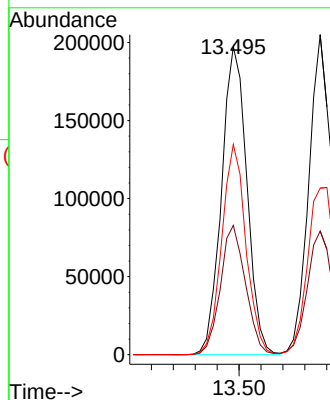
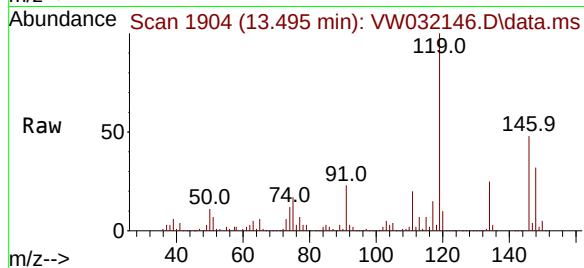
148 65.3 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#88

1,4-Dichlorobenzene

Concen: 47.819 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

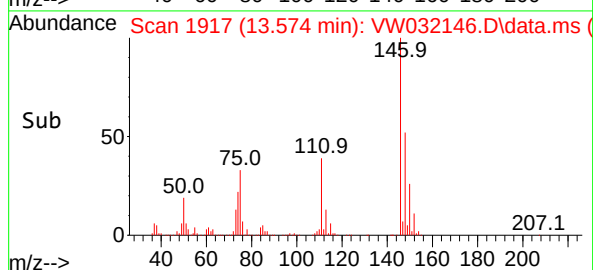
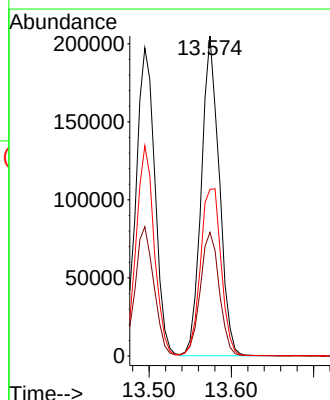
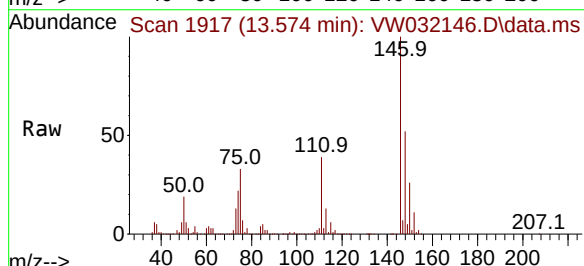
Tgt Ion:146 Resp: 309536

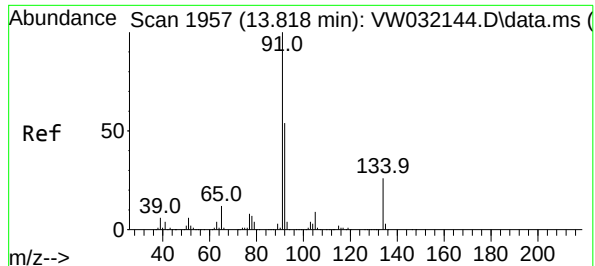
Ion Ratio Lower Upper

146 100

111 41.5 21.3 63.7

148 60.6 33.4 100.1





#89

n-Butylbenzene

Concen: 53.415 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

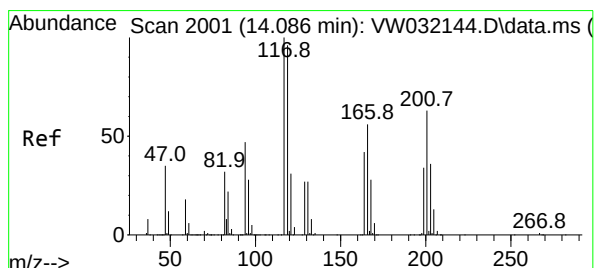
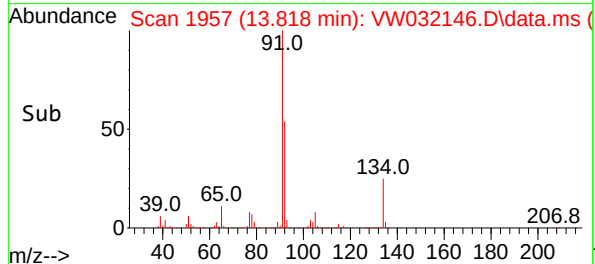
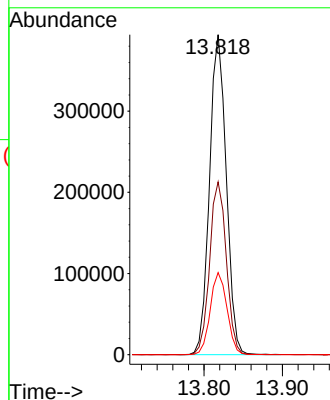
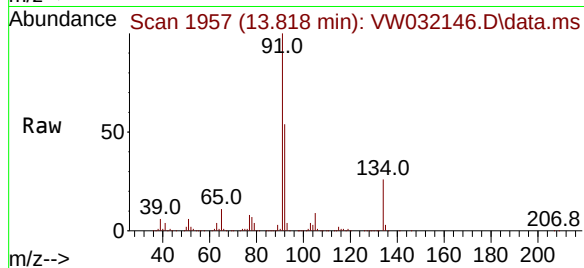
ICVW082625

Tgt Ion:	91	Resp:	583819
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.0	81.0
134	25.7	13.1	39.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#90

Hexachloroethane

Concen: 50.748 ug/l

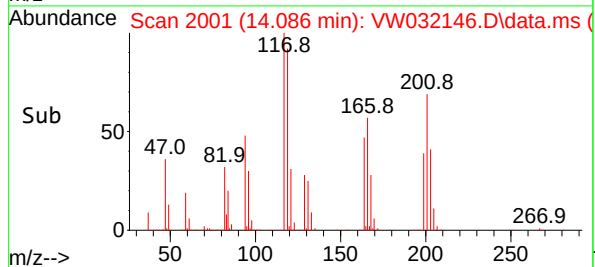
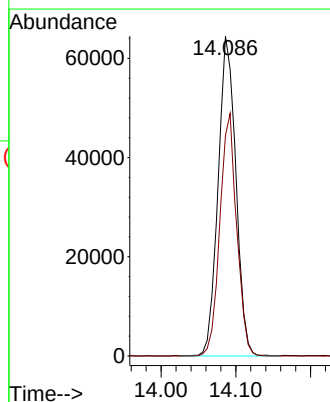
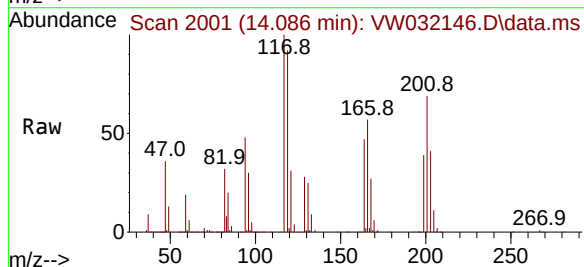
RT: 14.086 min Scan# 2001

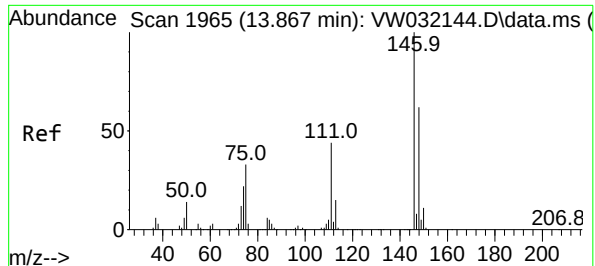
Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Tgt Ion:	117	Resp:	106416
Ion Ratio	Lower	Upper	
117	100		
201	71.8	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 47.762 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:146 Resp: 27308

Ion Ratio Lower Upper

146 100

111 45.5 23.4 70.0

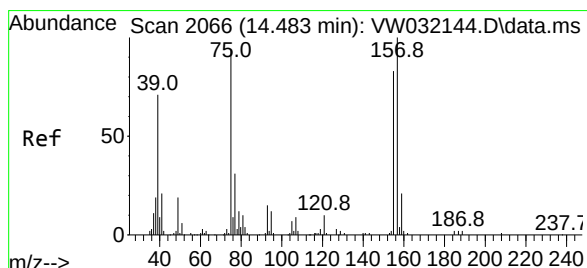
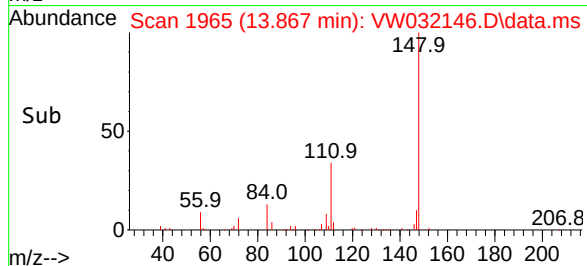
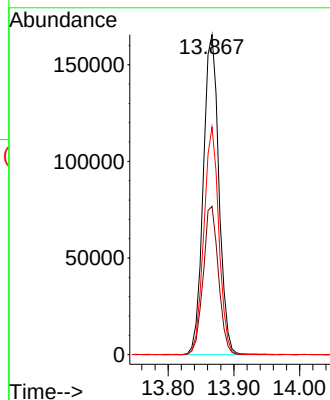
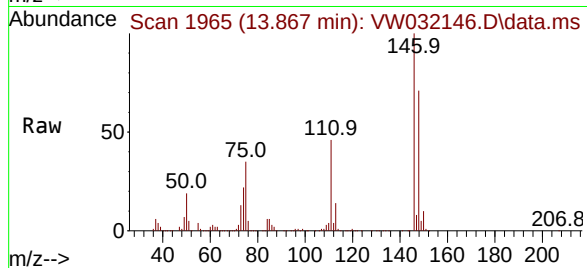
148 68.3 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.585 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

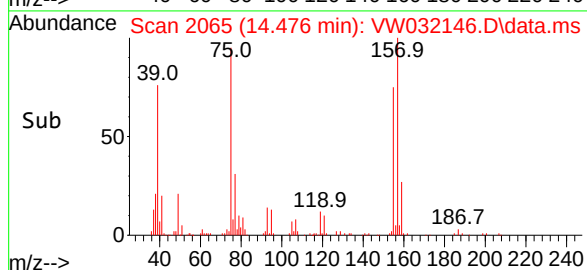
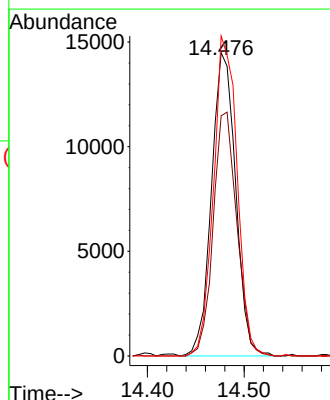
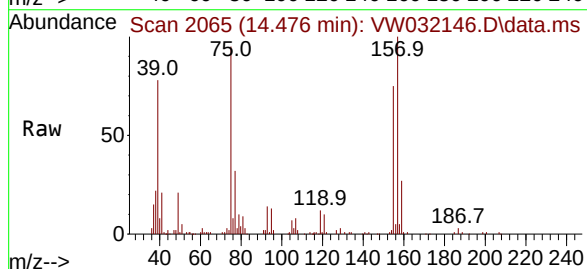
Tgt Ion: 75 Resp: 25127

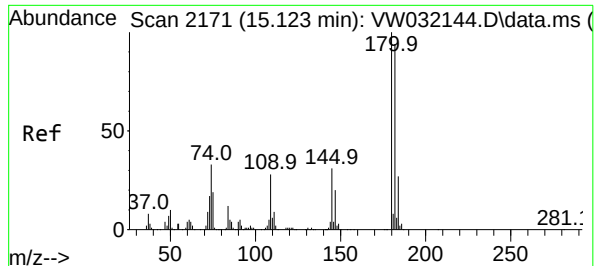
Ion Ratio Lower Upper

75 100

155 78.6 40.8 122.5

157 102.9 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 48.833 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW082625

Tgt Ion:180 Resp: 178389

Ion Ratio Lower Upper

180 100

182 92.8 47.4 142.2

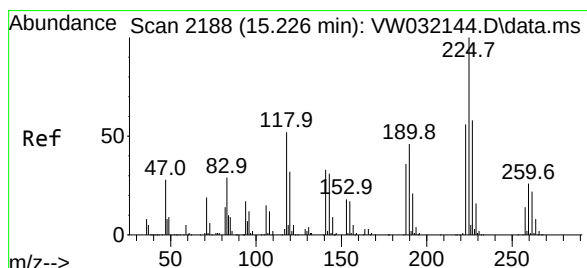
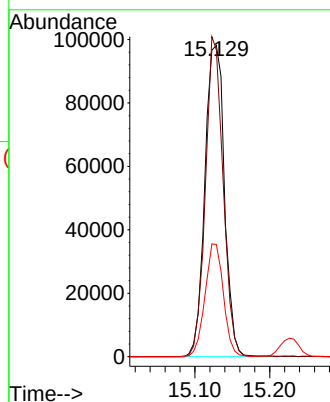
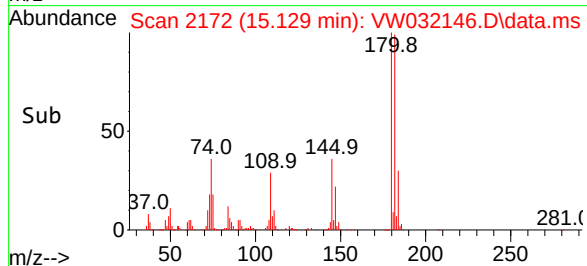
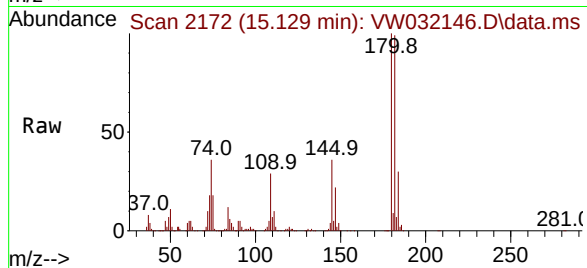
145 34.2 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025

Supervised By :Semsettin Yesilyurt 08/27/2025



#94

Hexachlorobutadiene

Concen: 46.448 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032146.D

Acq: 26 Aug 2025 13:55

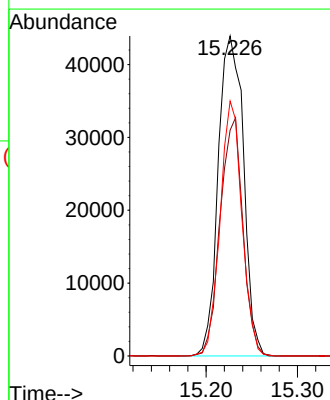
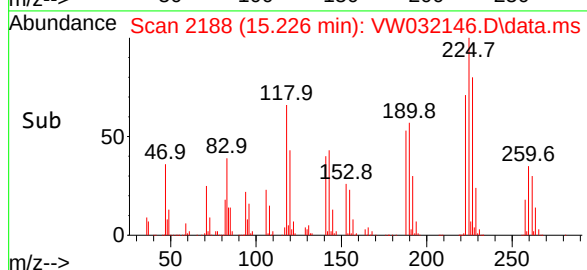
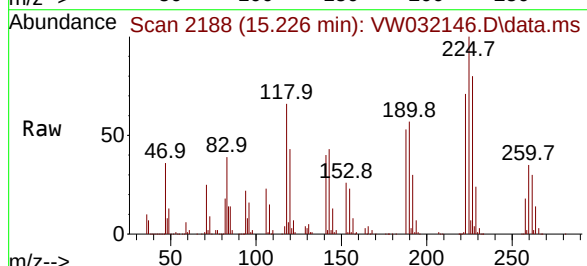
Tgt Ion:225 Resp: 84151

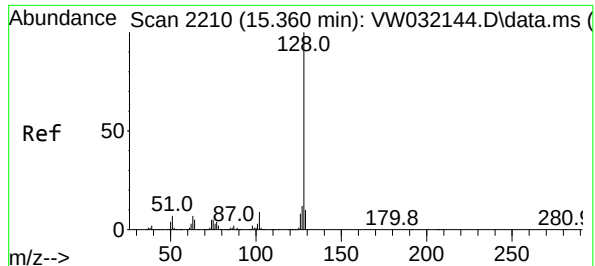
Ion Ratio Lower Upper

225 100

223 67.0 29.8 89.3

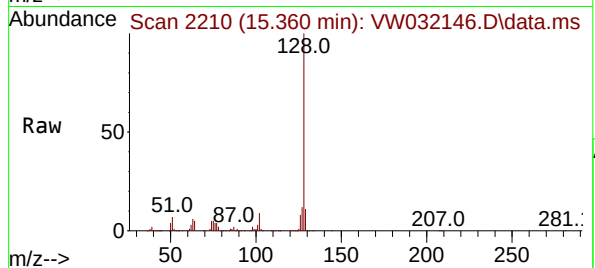
227 69.1 30.5 91.5





#95
Naphthalene
Concen: 52.201 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

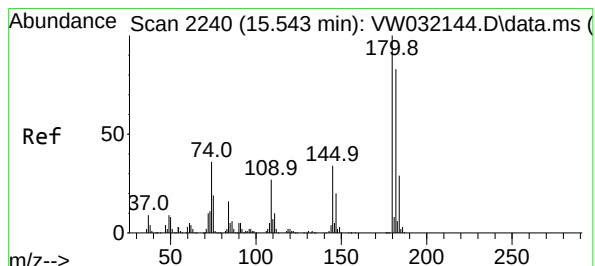
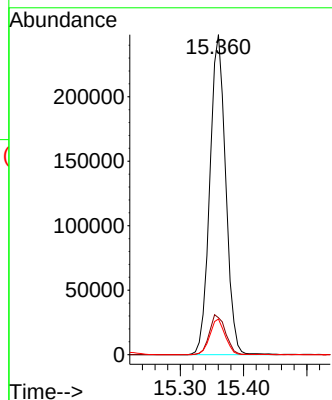
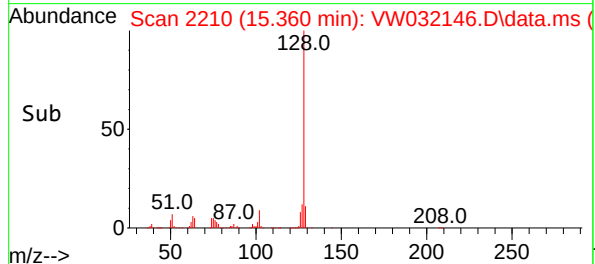
Instrument :
MSVOA_W
ClientSampleId :
ICVW082625



Tgt Ion:128 Resp: 431564
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.4 12.6

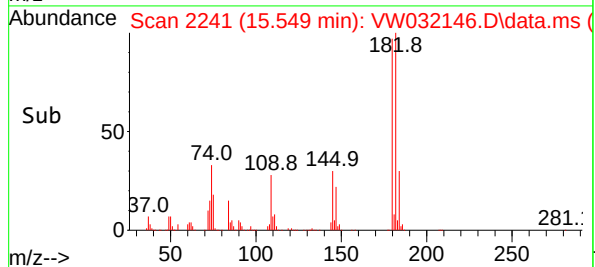
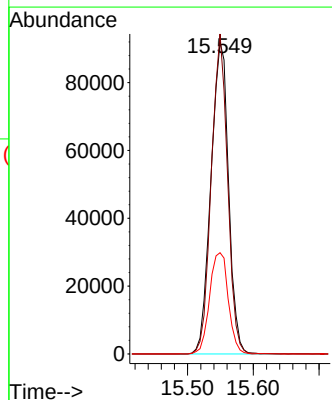
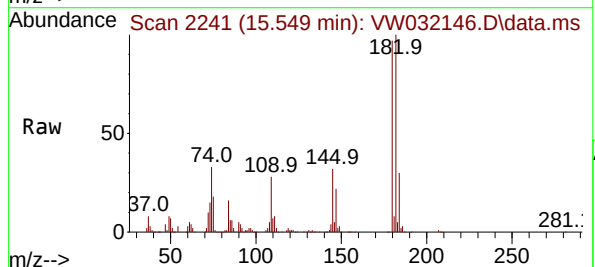
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
Supervised By :Semsettin Yesilyurt 08/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.408 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032146.D
Acq: 26 Aug 2025 13:55

Tgt Ion:180 Resp: 171251
Ion Ratio Lower Upper
180 100
182 94.5 47.7 143.1
145 34.4 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	114	0.00
2 T	Dichlorodifluoromethane	0.330	0.300	9.1	109	0.00
3 P	Chloromethane	0.346	0.316	8.7	106	0.00
4 C	Vinyl Chloride	0.450	0.416	7.6#	107	0.00
5 T	Bromomethane	0.401	0.352	12.2	107	0.00
6 T	Chloroethane	0.317	0.286	9.8	102	0.00
7 T	Trichlorofluoromethane	0.445	0.405	9.0	96	0.00
8 T	Diethyl Ether	0.332	0.293	11.7	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.502	0.492	2.0	111	0.00
10 T	Methyl Iodide	0.764	0.708	7.3	107	0.00
11 T	Tert butyl alcohol	0.044	0.039	11.4	100	0.00
12 CM	1,1-Dichloroethene	0.528	0.513	2.8#	109	0.00
13 T	Acrolein	0.067	0.055	17.9	94	0.00
14 T	Allyl chloride	0.751	0.737	1.9	109	0.00
15 T	Acrylonitrile	0.162	0.151	6.8	105	0.00
16 T	Acetone	0.155	0.162	-4.5	117	0.00
17 T	Carbon Disulfide	1.322	1.287	2.6	108	0.00
18 T	Methyl Acetate	0.493	0.450	8.7	99	0.00
19 T	Methyl tert-butyl Ether	0.998	0.966	3.2	105	0.00
20 T	Methylene Chloride	0.725	0.604	16.7	107	-0.01
21 T	trans-1,2-Dichloroethene	0.590	0.566	4.1	106	0.00
22 T	Diisopropyl ether	1.634	1.602	2.0	106	0.00
23 T	Vinyl Acetate	1.111	1.088	2.1	105	0.00
24 P	1,1-Dichloroethane	1.070	0.989	7.6	102	0.00
25 T	2-Butanone	0.219	0.218	0.5	110	0.00
26 T	2,2-Dichloropropane	0.566	0.580	-2.5	108	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.679	5.4	104	0.00
28 T	Bromochloromethane	0.490	0.439	10.4	103	0.00
29 T	Tetrahydrofuran	0.139	0.129	7.2	103	0.00
30 C	Chloroform	1.221	1.151	5.7#	105	0.00
31 T	Cyclohexane	0.878	0.819	6.7	108	0.00
32 T	1,1,1-Trichloroethane	0.891	0.869	2.5	108	0.00
33 S	1,2-Dichloroethane-d4	0.715	0.601	15.9	98	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	116	0.00
35 S	Dibromofluoromethane	0.351	0.304	13.4	98	0.00
36 T	1,1-Dichloropropene	0.455	0.458	-0.7	105	0.00
37 T	Ethyl Acetate	0.273	0.263	3.7	103	0.00
38 T	Carbon Tetrachloride	0.488	0.498	-2.0	106	0.00
39 T	Methylcyclohexane	0.539	0.587	-8.9	110	0.00
40 TM	Benzene	1.406	1.390	1.1	106	0.00
41 T	Methacrylonitrile	0.152	0.151	0.7	111	0.00
42 TM	1,2-Dichloroethane	0.487	0.472	3.1	105	0.00
43 T	Isopropyl Acetate	0.512	0.497	2.9	102	0.00
44 TM	Trichloroethene	0.354	0.357	-0.8	111	0.00
45 C	1,2-Dichloropropane	0.339	0.326	3.8#	102	0.00
46 T	Dibromomethane	0.238	0.225	5.5	105	0.00
47 T	Bromodichloromethane	0.540	0.524	3.0	102	0.00
48 T	Methyl methacrylate	0.236	0.232	1.7	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	113	0.00
50 S	Toluene-d8	1.231	1.121	8.9	98	0.00
51 T	4-Methyl-2-Pentanone	0.289	0.284	1.7	104	0.00
52 CM	Toluene	0.919	0.896	2.5#	103	0.00
53 T	t-1,3-Dichloropropene	0.477	0.490	-2.7	106	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.544	0.0	103	0.00
55 T	1,1,2-Trichloroethane	0.309	0.284	8.1	102	0.00
56 T	Ethyl methacrylate	0.395	0.406	-2.8	104	0.00
57 T	1,3-Dichloropropane	0.518	0.503	2.9	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.211	0.197	6.6	102	0.00
59 T	2-Hexanone	0.201	0.208	-3.5	108	0.00
60 T	Dibromochloromethane	0.374	0.368	1.6	103	0.00
61 T	1,2-Dibromoethane	0.304	0.293	3.6	102	0.00
62 S	4-Bromofluorobenzene	0.455	0.410	9.9	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64 T	Tetrachloroethene	0.329	0.346	-5.2	110	0.00
65 PM	Chlorobenzene	1.138	1.104	3.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.375	0.379	-1.1	106	0.00
67 C	Ethyl Benzene	1.865	1.987	-6.5#	110	0.00
68 T	m/p-Xylenes	0.718	0.753	-4.9	106	0.00
69 T	o-Xylene	0.679	0.724	-6.6	108	0.00
70 T	Styrene	1.197	1.253	-4.7	106	0.00
71 P	Bromoform	0.223	0.225	-0.9	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73 T	Isopropylbenzene	3.397	3.513	-3.4	106	0.00
74 T	N-amyl acetate	0.986	0.987	-0.1	105	0.00
75 P	1,1,2,2-Tetrachloroethane	0.807	0.759	5.9	102	0.00
76 T	1,2,3-Trichloropropane	0.626	0.654	-4.5	117	0.00
77 T	Bromobenzene	0.866	0.859	0.8	103	0.00
78 T	n-propylbenzene	4.124	4.328	-4.9	108	0.00
79 T	2-Chlorotoluene	2.522	2.560	-1.5	106	0.00
80 T	1,3,5-Trimethylbenzene	2.876	3.052	-6.1	108	0.00
81 T	trans-1,4-Dichloro-2-butene	0.233	0.243	-4.3	107	0.00
82 T	4-Chlorotoluene	2.699	2.677	0.8	102	0.00
83 T	tert-Butylbenzene	2.439	2.610	-7.0	105	0.00
84 T	1,2,4-Trimethylbenzene	2.975	3.088	-3.8	105	0.00
85 T	sec-Butylbenzene	3.641	3.866	-6.2	107	0.00
86 T	p-Isopropyltoluene	3.096	3.265	-5.5	106	0.00
87 T	1,3-Dichlorobenzene	1.744	1.710	1.9	103	0.00
88 T	1,4-Dichlorobenzene	1.748	1.672	4.3	104	0.00
89 T	n-Butylbenzene	2.952	3.153	-6.8	108	0.00
90 T	Hexachloroethane	0.566	0.575	-1.6	108	0.00
91 T	1,2-Dichlorobenzene	1.544	1.475	4.5	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.143	0.136	4.9	106	0.00
93 T	1,2,4-Trichlorobenzene	0.987	0.964	2.3	101	0.00
94 T	Hexachlorobutadiene	0.489	0.455	7.0	94	0.00
95 T	Naphthalene	2.233	2.331	-4.4	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.925	-0.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	114	0.00
2 T	Dichlorodifluoromethane	50.000	45.493	9.0	109	0.00
3 P	Chloromethane	50.000	45.600	8.8	106	0.00
4 C	Vinyl Chloride	50.000	46.293	7.4#	107	0.00
5 T	Bromomethane	50.000	43.886	12.2	107	0.00
6 T	Chloroethane	50.000	45.145	9.7	102	0.00
7 T	Trichlorofluoromethane	50.000	45.452	9.1	96	0.00
8 T	Diethyl Ether	50.000	44.114	11.8	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.024	2.0	111	0.00
10 T	Methyl Iodide	50.000	46.309	7.4	107	0.00
11 T	Tert butyl alcohol	250.000	223.294	10.7	100	0.00
12 CM	1,1-Dichloroethene	50.000	48.515	3.0#	109	0.00
13 T	Acrolein	250.000	204.279	18.3	94	0.00
14 T	Allyl chloride	50.000	49.124	1.8	109	0.00
15 T	Acrylonitrile	250.000	233.915	6.4	105	0.00
16 T	Acetone	250.000	260.957	-4.4	117	0.00
17 T	Carbon Disulfide	50.000	48.692	2.6	108	0.00
18 T	Methyl Acetate	50.000	45.567	8.9	99	0.00
19 T	Methyl tert-butyl Ether	50.000	48.426	3.1	105	0.00
20 T	Methylene Chloride	50.000	47.403	5.2	107	-0.01
21 T	trans-1,2-Dichloroethene	50.000	47.921	4.2	106	0.00
22 T	Diisopropyl ether	50.000	49.029	1.9	106	0.00
23 T	Vinyl Acetate	250.000	244.903	2.0	105	0.00
24 P	1,1-Dichloroethane	50.000	46.223	7.6	102	0.00
25 T	2-Butanone	250.000	248.853	0.5	110	0.00
26 T	2,2-Dichloropropane	50.000	51.190	-2.4	108	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.237	5.5	104	0.00
28 T	Bromochloromethane	50.000	44.789	10.4	103	0.00
29 T	Tetrahydrofuran	250.000	230.667	7.7	103	0.00
30 C	Chloroform	50.000	47.122	5.8#	105	0.00
31 T	Cyclohexane	50.000	46.650	6.7	108	0.00
32 T	1,1,1-Trichloroethane	50.000	48.756	2.5	108	0.00
33 S	1,2-Dichloroethane-d4	50.000	41.992	16.0	98	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	116	0.00
35 S	Dibromofluoromethane	50.000	43.264	13.5	98	0.00
36 T	1,1-Dichloropropene	50.000	50.360	-0.7	105	0.00
37 T	Ethyl Acetate	50.000	48.241	3.5	103	0.00
38 T	Carbon Tetrachloride	50.000	51.066	-2.1	106	0.00
39 T	Methylcyclohexane	50.000	54.492	-9.0	110	0.00
40 TM	Benzene	50.000	49.427	1.1	106	0.00
41 T	Methacrylonitrile	50.000	49.922	0.2	111	0.00
42 TM	1,2-Dichloroethane	50.000	48.444	3.1	105	0.00
43 T	Isopropyl Acetate	50.000	48.555	2.9	102	0.00
44 TM	Trichloroethene	50.000	50.438	-0.9	111	0.00
45 C	1,2-Dichloropropane	50.000	48.110	3.8#	102	0.00
46 T	Dibromomethane	50.000	47.269	5.5	105	0.00
47 T	Bromodichloromethane	50.000	48.496	3.0	102	0.00
48 T	Methyl methacrylate	50.000	49.232	1.5	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1060.060	-6.0	113	0.00
50 S	Toluene-d8	50.000	45.510	9.0	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	246.021	1.6	104	0.00
52 CM	Toluene	50.000	48.788	2.4#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	51.459	-2.9	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.066	-0.1	103	0.00
55 T	1,1,2-Trichloroethane	50.000	45.940	8.1	102	0.00
56 T	Ethyl methacrylate	50.000	51.392	-2.8	104	0.00
57 T	1,3-Dichloropropane	50.000	48.602	2.8	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	232.934	6.8	102	0.00
59 T	2-Hexanone	250.000	258.687	-3.5	108	0.00
60 T	Dibromochloromethane	50.000	49.161	1.7	103	0.00
61 T	1,2-Dibromoethane	50.000	48.223	3.6	102	0.00
62 S	4-Bromofluorobenzene	50.000	44.975	10.0	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64 T	Tetrachloroethene	50.000	52.531	-5.1	110	0.00
65 PM	Chlorobenzene	50.000	48.501	3.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.593	-1.2	106	0.00
67 C	Ethyl Benzene	50.000	53.267	-6.5#	110	0.00
68 T	m/p-Xylenes	100.000	104.945	-4.9	106	0.00
69 T	o-Xylene	50.000	53.311	-6.6	108	0.00
70 T	Styrene	50.000	52.371	-4.7	106	0.00
71 P	Bromoform	50.000	50.601	-1.2	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73 T	Isopropylbenzene	50.000	51.711	-3.4	106	0.00
74 T	N-amyl acetate	50.000	50.061	-0.1	105	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.980	6.0	102	0.00
76 T	1,2,3-Trichloropropane	50.000	52.182	-4.4	117	0.00
77 T	Bromobenzene	50.000	49.609	0.8	103	0.00
78 T	n-propylbenzene	50.000	52.469	-4.9	108	0.00
79 T	2-Chlorotoluene	50.000	50.751	-1.5	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.066	-6.1	108	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.219	-4.4	107	0.00
82 T	4-Chlorotoluene	50.000	49.587	0.8	102	0.00
83 T	tert-Butylbenzene	50.000	53.512	-7.0	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.884	-3.8	105	0.00
85 T	sec-Butylbenzene	50.000	53.088	-6.2	107	0.00
86 T	p-Isopropyltoluene	50.000	52.722	-5.4	106	0.00
87 T	1,3-Dichlorobenzene	50.000	49.012	2.0	103	0.00
88 T	1,4-Dichlorobenzene	50.000	47.819	4.4	104	0.00
89 T	n-Butylbenzene	50.000	53.415	-6.8	108	0.00
90 T	Hexachloroethane	50.000	50.748	-1.5	108	0.00
91 T	1,2-Dichlorobenzene	50.000	47.762	4.5	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.585	4.8	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.833	2.3	101	0.00
94 T	Hexachlorobutadiene	50.000	46.448	7.1	94	0.00
95 T	Naphthalene	50.000	52.201	-4.4	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032146.D
Acq On : 26 Aug 2025 13:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW082625

Quant Time: Aug 27 04:20:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T 1,2,3-Trichlorobenzene	50.000	50.408	-0.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3176</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>09/24/2025 12:59</u>
Lab File ID:	<u>VW032241.D</u>	Init. Calib. Date(s):	<u>08/26/2025 08/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:39 12:34</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.330	0.317		-3.94	20
Chloromethane	0.346	0.321	0.1	-7.22	20
Vinyl Chloride	0.450	0.448		-0.44	20
Bromomethane	0.401	0.401		0	20
Chloroethane	0.317	0.327		3.15	20
Trichlorofluoromethane	0.445	0.400		-10.11	20
1,1,2-Trichlorotrifluoroethane	0.502	0.534		6.38	20
1,1-Dichloroethene	0.528	0.575		8.9	20
Acetone	0.155	0.149		-3.87	20
Carbon Disulfide	1.322	1.229		-7.03	20
Methyl tert-butyl Ether	0.998	1.103		10.52	20
Methyl Acetate	0.493	0.721		46.25	20
Methylene Chloride	0.725	0.676		-6.76	20
trans-1,2-Dichloroethene	0.590	0.634		7.46	20
1,1-Dichloroethane	1.070	1.179	0.1	10.19	20
Cyclohexane	0.878	0.812		-7.52	20
2-Butanone	0.219	0.242		10.5	20
Carbon Tetrachloride	0.488	0.497		1.84	20
cis-1,2-Dichloroethene	0.718	0.782		8.91	20
Bromochloromethane	0.490	0.567		15.71	20
Chloroform	1.221	1.367		11.96	20
1,1,1-Trichloroethane	0.891	0.977		9.65	20
Methylcyclohexane	0.539	0.522		-3.15	20
Benzene	1.406	1.494		6.26	20
1,2-Dichloroethane	0.487	0.528		8.42	20
Trichloroethene	0.354	0.364		2.83	20
1,2-Dichloropropane	0.339	0.375		10.62	20
Bromodichloromethane	0.540	0.599		10.93	20
4-Methyl-2-Pentanone	0.289	0.331		14.53	20
Toluene	0.919	0.971		5.66	20
t-1,3-Dichloropropene	0.477	0.502		5.24	20
cis-1,3-Dichloropropene	0.544	0.581		6.8	20
1,1,2-Trichloroethane	0.309	0.349		12.94	20
2-Hexanone	0.201	0.231		14.93	20
Dibromochloromethane	0.374	0.426		13.9	20
1,2-Dibromoethane	0.304	0.331		8.88	20
Tetrachloroethene	0.329	0.361		9.73	20
Chlorobenzene	1.138	1.237	0.3	8.7	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3176</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>09/24/2025 12:59</u>
Lab File ID:	<u>VW032241.D</u>	Init. Calib. Date(s):	<u>08/26/2025 08/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:39 12:34</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	2.028		8.74	20
m/p-Xylenes	0.718	0.782		8.91	20
o-Xylene	0.679	0.737		8.54	20
Styrene	1.197	1.384		15.62	20
Bromoform	0.223	0.245	0.1	9.86	20
Isopropylbenzene	3.397	3.394		-0.09	20
1,1,2,2-Tetrachloroethane	0.807	0.843	0.3	4.46	20
1,3-Dichlorobenzene	1.744	1.745		0.06	20
1,4-Dichlorobenzene	1.748	1.762		0.8	20
1,2-Dichlorobenzene	1.544	1.628		5.44	20
1,2-Dibromo-3-Chloropropane	0.143	0.148		3.5	20
1,2,4-Trichlorobenzene	0.987	0.981		-0.61	20
1,2,3-Trichlorobenzene	0.918	0.945		2.94	20
1,2-Dichloroethane-d4	0.715	0.796		11.33	20
Dibromofluoromethane	0.351	0.386		9.97	20
Toluene-d8	1.231	1.317		6.99	20
4-Bromofluorobenzene	0.455	0.493		8.35	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032241.D
 Acq On : 24 Sep 2025 12:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	159364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	285121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	263383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	126820	55.644	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.280%			
35) Dibromofluoromethane	7.898	113	109934	54.956	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 109.920%			
50) Toluene-d8	10.325	98	375602	53.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.617	95	140573	54.134	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	50462	47.960	ug/l	96
3) Chloromethane	2.259	50	51179	46.393	ug/l	100
4) Vinyl Chloride	2.405	62	71326	49.779	ug/l	100
5) Bromomethane	2.820	94	63936	49.968	ug/l	87
6) Chloroethane	2.966	64	52157	51.688	ug/l	98
7) Trichlorofluoromethane	3.302	101	63784	44.928	ug/l	96
8) Diethyl Ether	3.716	74	57140	53.933	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	85171	53.255	ug/l	99
10) Methyl Iodide	4.314	142	130051	53.404	ug/l	98
11) Tert butyl alcohol	5.228	59	34067	244.370	ug/l	98
12) 1,1-Dichloroethene	4.076	96	91646	54.413	ug/l	97
13) Acrolein	3.930	56	8421	39.297	ug/l	95
14) Allyl chloride	4.704	41	121556	50.809	ug/l	99
15) Acrylonitrile	5.405	53	144458	280.449	ug/l	100
16) Acetone	4.161	43	118689	240.461	ug/l	99
17) Carbon Disulfide	4.417	76	195933	46.511	ug/l	97
18) Methyl Acetate	4.704	43	114902	73.062	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	175812	55.278	ug/l	99
20) Methylene Chloride	4.948	84	107657	53.735	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	100969	53.663	ug/l	95
22) Diisopropyl ether	6.344	45	297735	57.180	ug/l	95
23) Vinyl Acetate	6.283	43	910958	257.319	ug/l	99
24) 1,1-Dichloroethane	6.240	63	187934	55.131	ug/l	99
25) 2-Butanone	7.191	43	193146	276.147	ug/l	98
26) 2,2-Dichloropropane	7.191	77	90367	50.059	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	124653	54.445	ug/l	98
28) Bromochloromethane	7.533	49	90321	57.881	ug/l	97
29) Tetrahydrofuran	7.557	42	126259	284.070	ug/l	98
30) Chloroform	7.691	83	217916	55.991	ug/l	95
31) Cyclohexane	7.972	56	129420	46.256	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	155704	54.804	ug/l	99
36) 1,1-Dichloropropene	8.093	75	133665	51.535	ug/l	99
37) Ethyl Acetate	7.277	43	82193	52.826	ug/l	100
38) Carbon Tetrachloride	8.081	117	141782	50.993	ug/l	98
39) Methylcyclohexane	9.343	83	148947	48.484	ug/l	96
40) Benzene	8.337	78	426097	53.147	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032241.D
 Acq On : 24 Sep 2025 12:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 05:02:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Quant Title : SW846 8260

QLast Update : Wed Aug 27 04:13:40 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	45837	53.025	ug/l	96
42) 1,2-Dichloroethane	8.410	62	150558	54.171	ug/l	99
43) Isopropyl Acetate	8.435	43	151768	51.995	ug/l	98
44) Trichloroethene	9.099	130	103757	51.462	ug/l	90
45) 1,2-Dichloropropane	9.374	63	106903	55.313	ug/l	96
46) Dibromomethane	9.465	93	75073	55.381	ug/l	97
47) Bromodichloromethane	9.648	83	170688	55.409	ug/l	94
48) Methyl methacrylate	9.441	41	73737	54.816	ug/l	95
49) 1,4-Dioxane	9.465	88	19214	1173.130	ug/l #	88
51) 4-Methyl-2-Pentanone	10.215	43	471771	286.239	ug/l	99
52) Toluene	10.392	92	276980	52.868	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	143109	52.661	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	165518	53.380	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	99488	56.440	ug/l	97
56) Ethyl methacrylate	10.648	69	124101	55.068	ug/l	99
57) 1,3-Dichloropropane	10.934	76	162268	54.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	362434	301.308	ug/l	99
59) 2-Hexanone	10.971	43	328975	286.998	ug/l	99
60) Dibromochloromethane	11.130	129	121475	56.950	ug/l	99
61) 1,2-Dibromoethane	11.239	107	94474	54.500	ug/l	99
64) Tetrachloroethene	10.861	164	95085	54.852	ug/l	95
65) Chlorobenzene	11.660	112	325820	54.349	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	110786	56.131	ug/l	96
67) Ethyl Benzene	11.733	91	534019	54.368	ug/l	99
68) m/p-Xylenes	11.837	106	412192	109.038	ug/l	100
69) o-Xylene	12.166	106	194080	54.277	ug/l	99
70) Styrene	12.178	104	364451	57.819	ug/l	97
71) Bromoform	12.349	173	64592	55.101	ug/l #	97
73) Isopropylbenzene	12.465	105	501620	49.958	ug/l	98
74) N-amyl acetate	12.270	43	138299	47.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	124582	52.209	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	87585m	47.302	ug/l	
77) Bromobenzene	12.745	156	132779	51.857	ug/l	96
78) n-propylbenzene	12.800	91	624108	51.197	ug/l	98
79) 2-Chlorotoluene	12.891	91	383600	51.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	437834	51.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	34736	50.511	ug/l	96
82) 4-Chlorotoluene	12.983	91	397572	49.825	ug/l	97
83) tert-Butylbenzene	13.202	119	371745	51.573	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	451989	51.391	ug/l	99
85) sec-Butylbenzene	13.379	105	537371	49.932	ug/l	100
86) p-Isopropyltoluene	13.495	119	455074	49.723	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	257879	50.020	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	260422	50.395	ug/l	96
89) n-Butylbenzene	13.818	91	432965	49.621	ug/l	98
90) Hexachloroethane	14.092	117	83029	49.598	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	240599	52.711	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	21859	51.853	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	145050	49.738	ug/l	99
94) Hexachlorobutadiene	15.226	225	67827	46.895	ug/l	98
95) Naphthalene	15.360	128	340442	51.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	139633	51.484	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

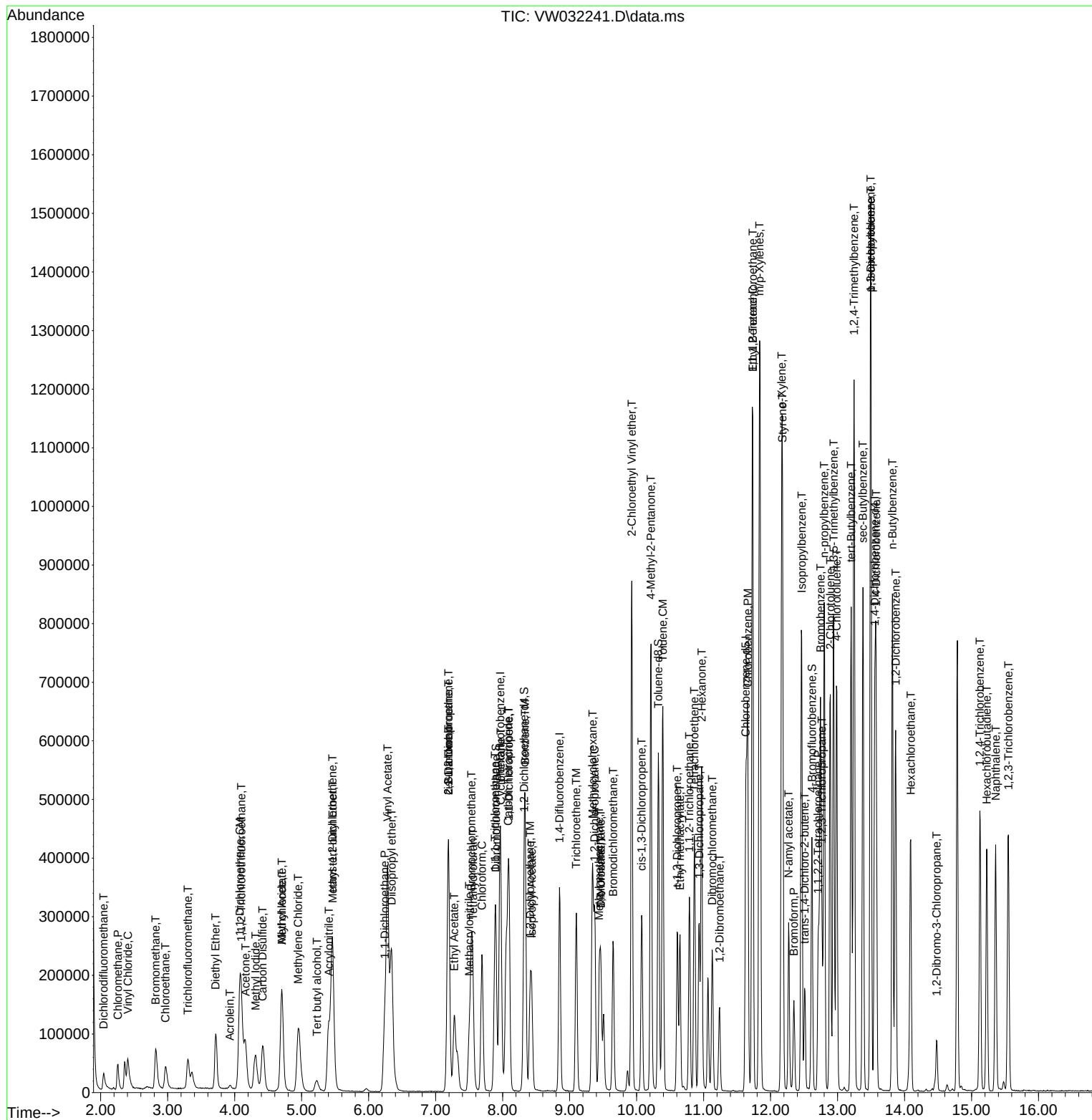
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

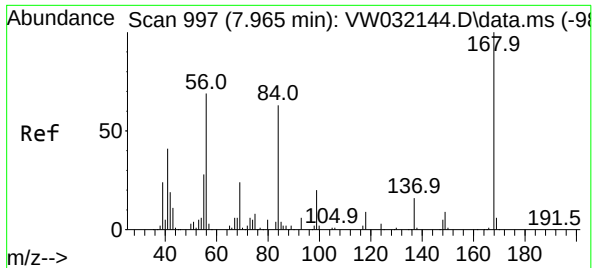
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

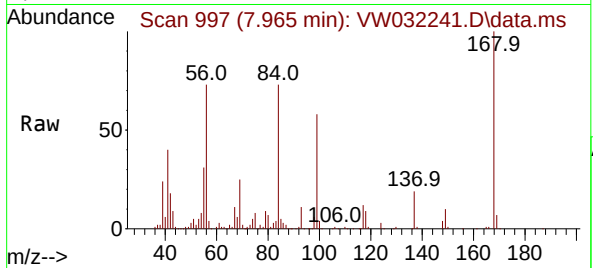
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

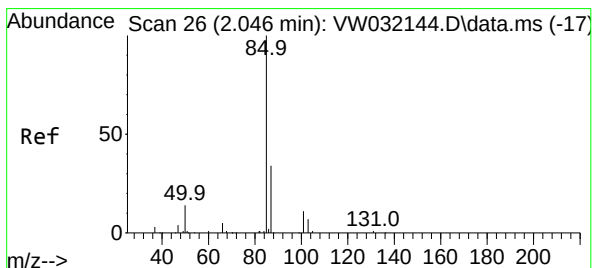
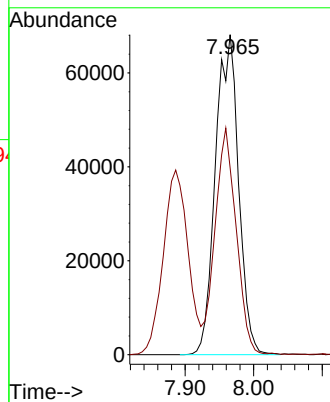
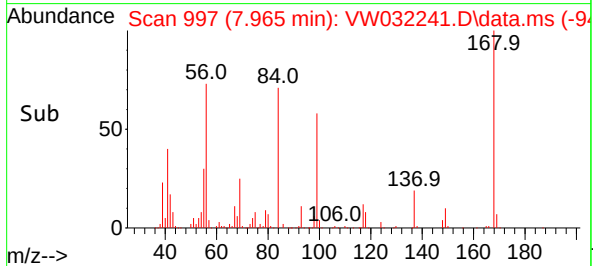
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 15936
Ion Ratio Lower Upper
168 100
99 58.3 49.3 73.9

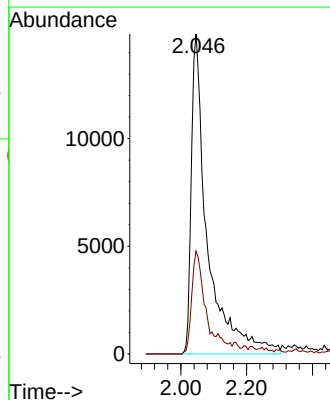
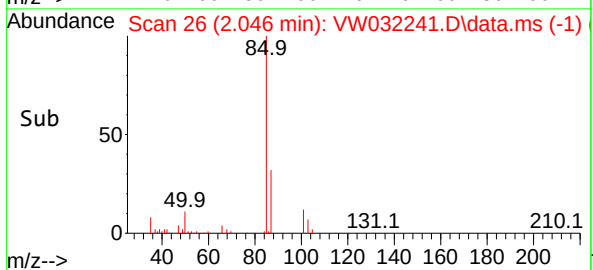
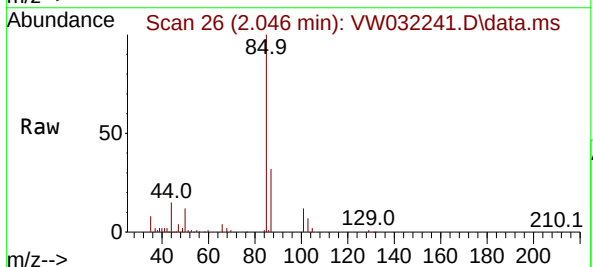
Manual Integrations
APPROVED

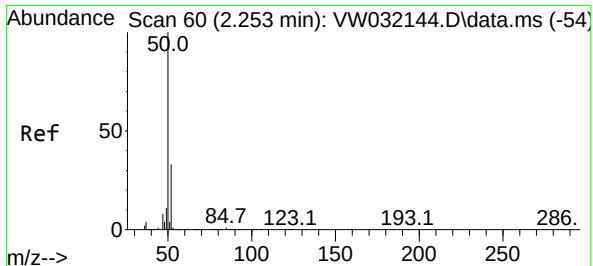
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#2
Dichlorodifluoromethane
Concen: 47.960 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 85 Resp: 50462
Ion Ratio Lower Upper
85 100
87 32.1 17.2 51.6





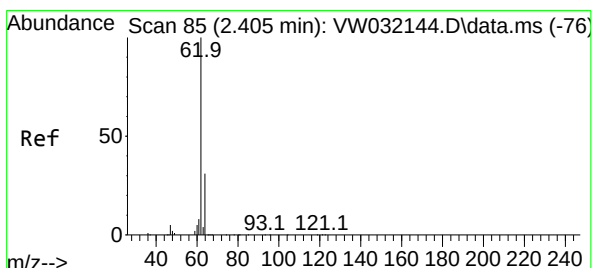
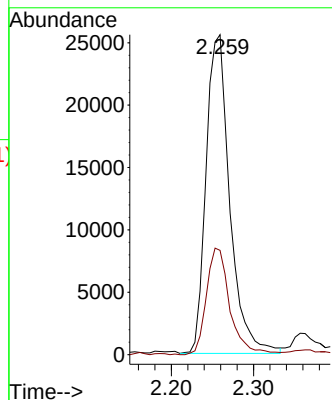
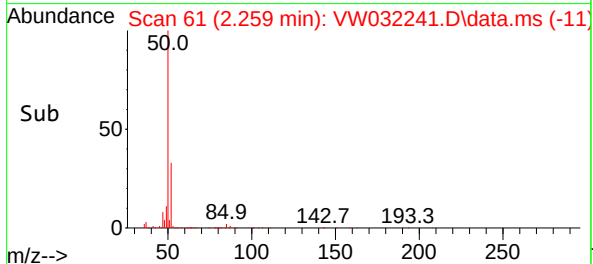
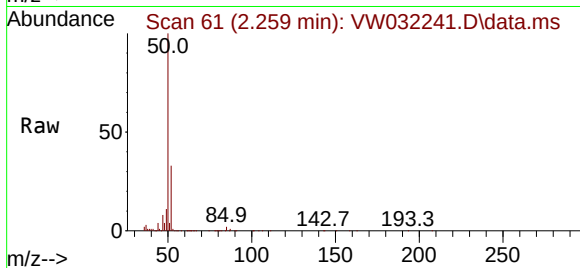
#3
Chloromethane
Concen: 46.393 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 51179
Ion Ratio Lower Upper
50 100
52 32.7 26.1 39.1

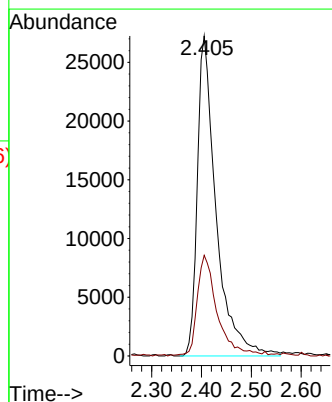
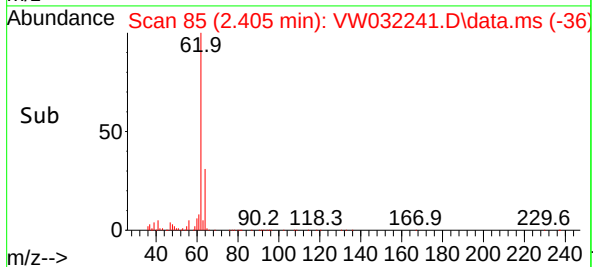
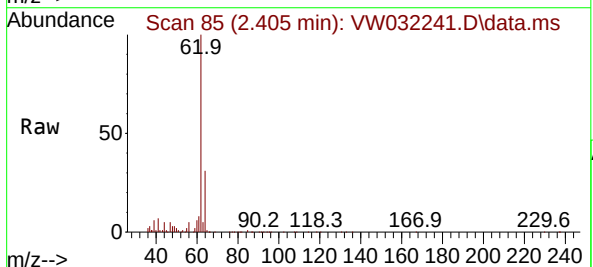
Manual Integrations
APPROVED

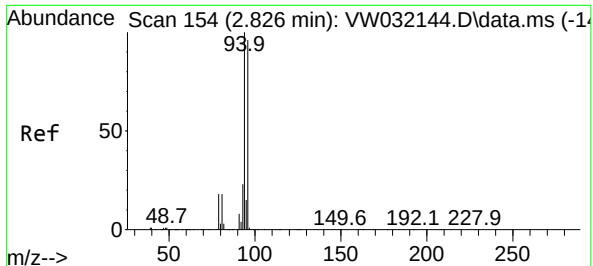
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#4
Vinyl Chloride
Concen: 49.779 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 62 Resp: 71326
Ion Ratio Lower Upper
62 100
64 31.0 24.8 37.2





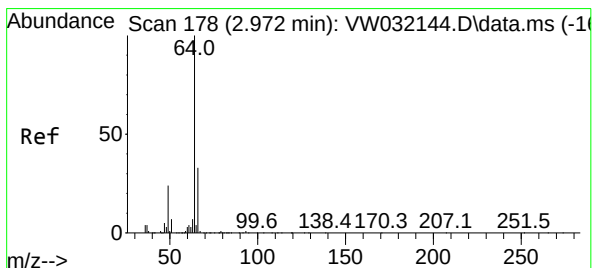
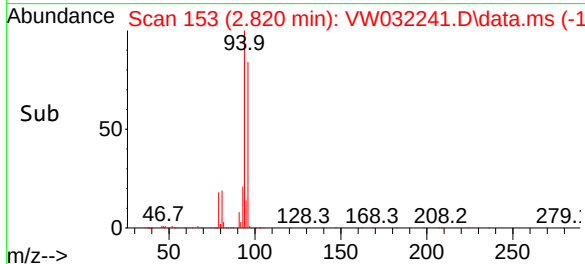
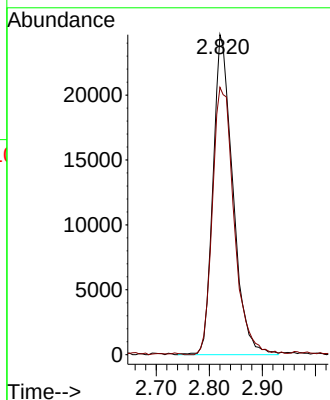
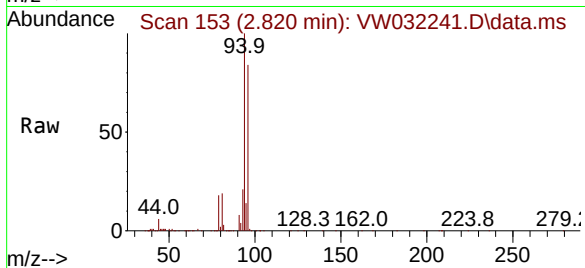
#5
Bromomethane
Concen: 49.968 ug/l
RT: 2.820 min Scan# 154
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 63930
Ion Ratio Lower Upper
94 100
96 83.2 76.6 115.0

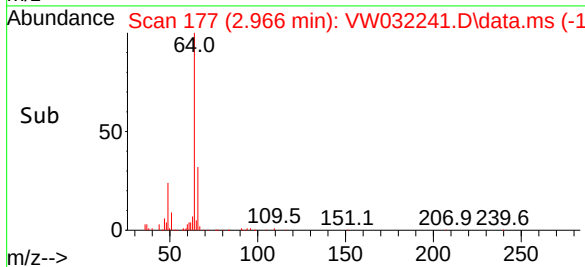
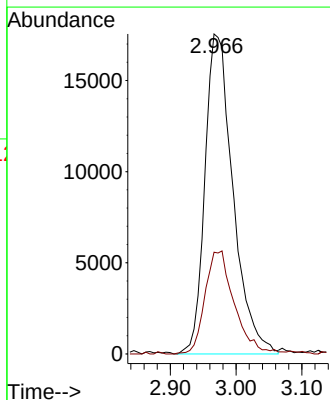
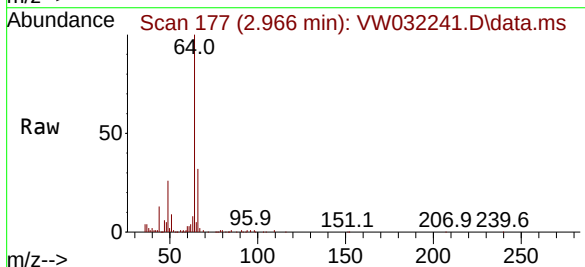
Manual Integrations
APPROVED

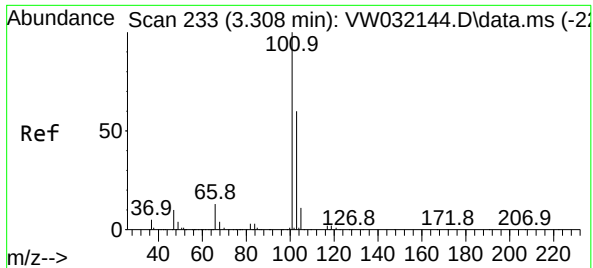
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#6
Chloroethane
Concen: 51.688 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 64 Resp: 52157
Ion Ratio Lower Upper
64 100
66 31.5 26.2 39.4





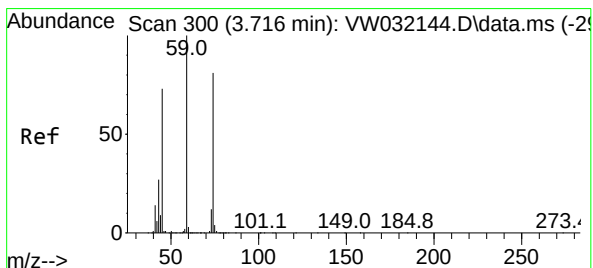
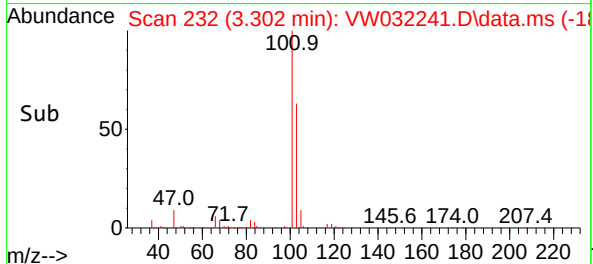
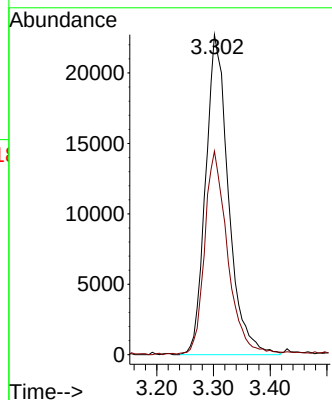
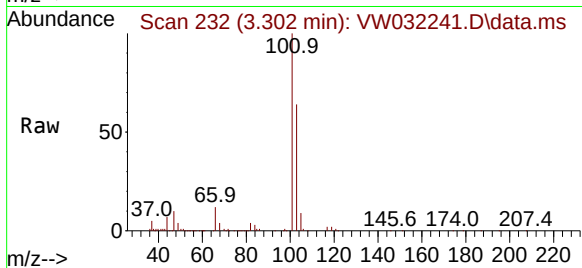
#7
Trichlorofluoromethane
Concen: 44.928 ug/l
RT: 3.302 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 63784
Ion Ratio Lower Upper
101 100
103 63.2 47.8 71.8

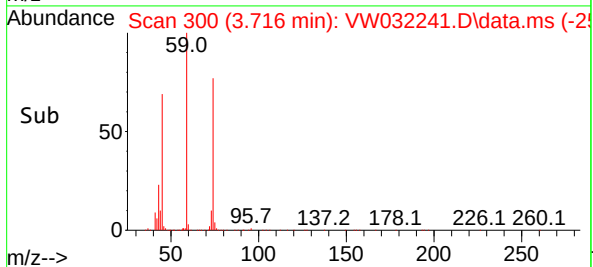
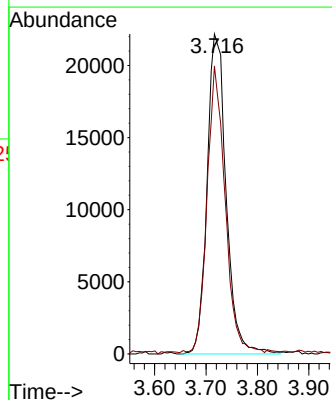
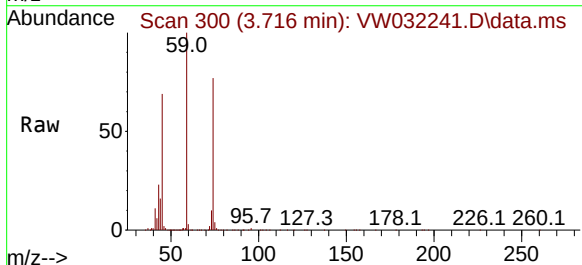
Manual Integrations
APPROVED

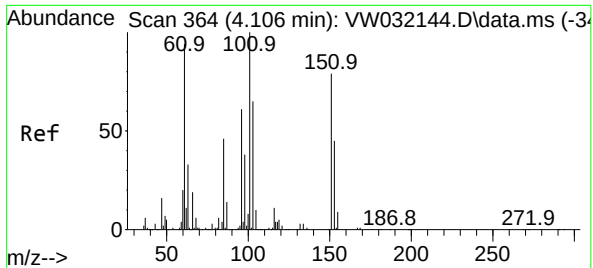
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#8
Diethyl Ether
Concen: 53.933 ug/l
RT: 3.716 min Scan# 300
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 74 Resp: 57140
Ion Ratio Lower Upper
74 100
45 84.5 43.1 129.4





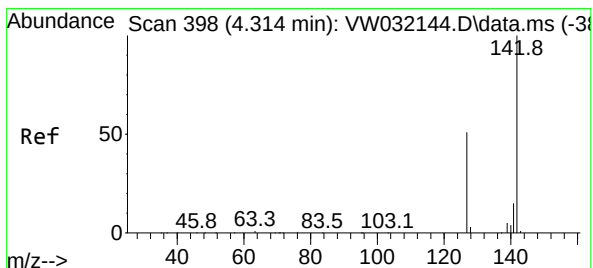
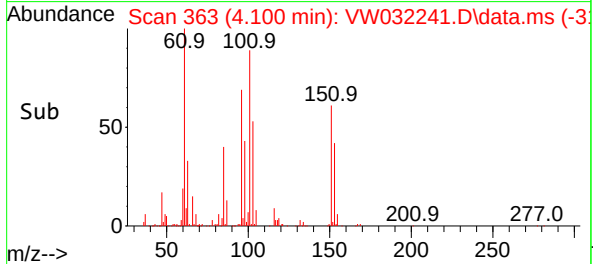
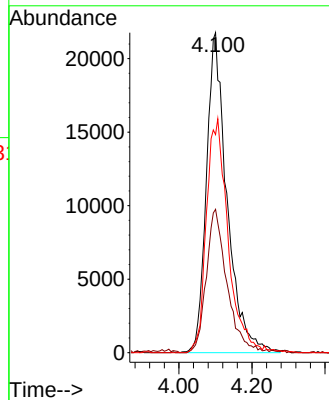
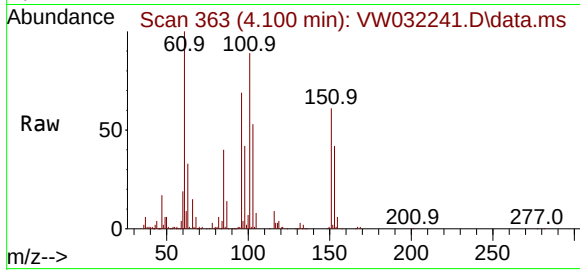
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.255 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 8517
Ion Ratio Lower Upper
101 100
85 44.9 37.1 55.7
151 76.4 61.5 92.3

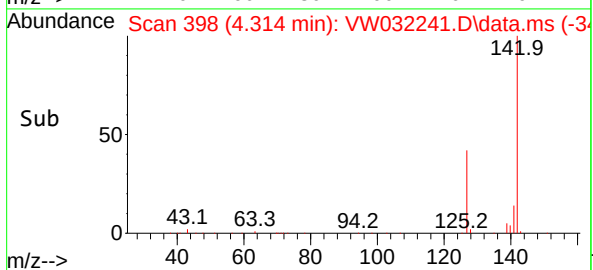
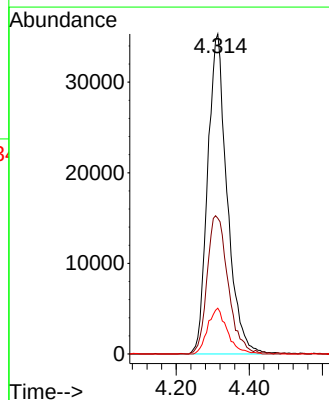
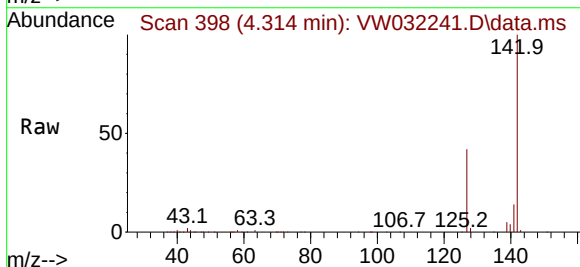
Manual Integrations
APPROVED

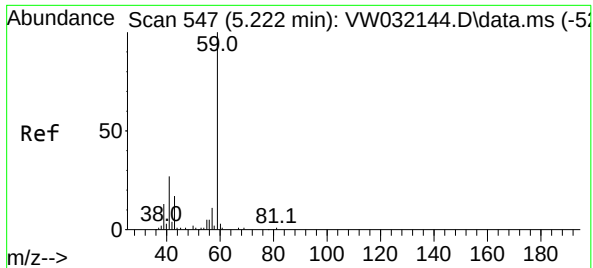
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#10
Methyl Iodide
Concen: 53.404 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion:142 Resp: 130051
Ion Ratio Lower Upper
142 100
127 46.6 38.2 57.2
141 14.5 12.2 18.2





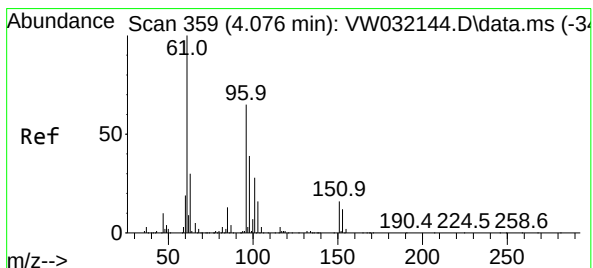
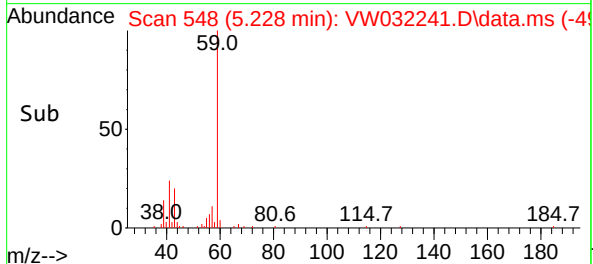
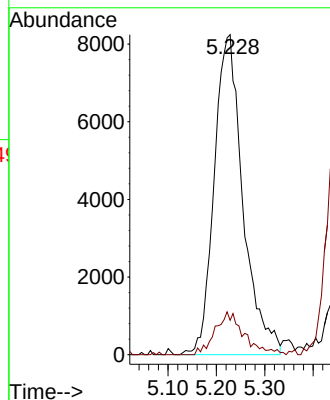
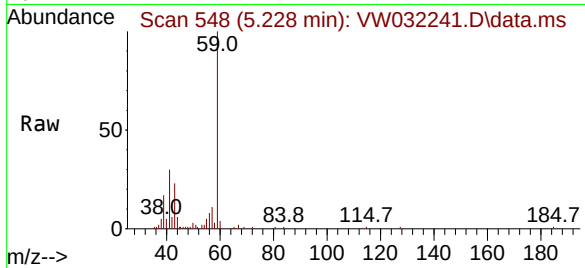
#11
Tert butyl alcohol
Concen: 244.370 ug/l
RT: 5.228 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 3406
Ion Ratio Lower Upper
59 100
57 12.9 9.8 14.6

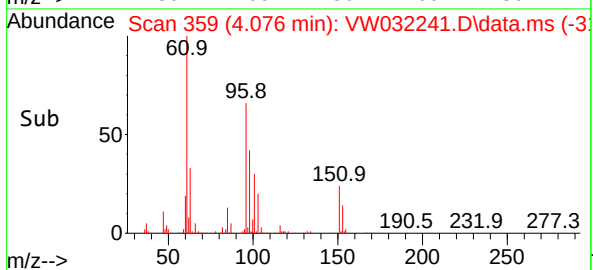
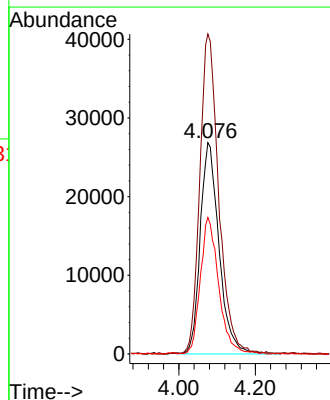
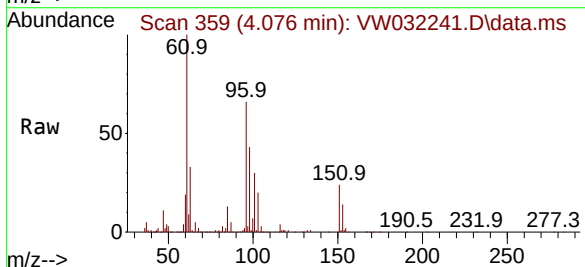
Manual Integrations
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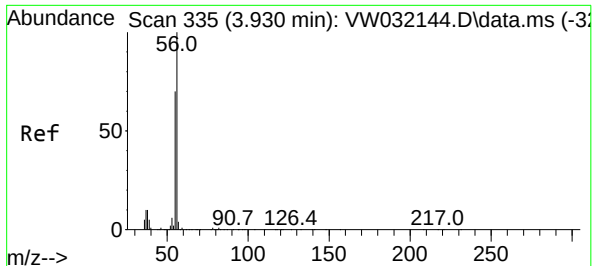
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#12
1,1-Dichloroethene
Concen: 54.413 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

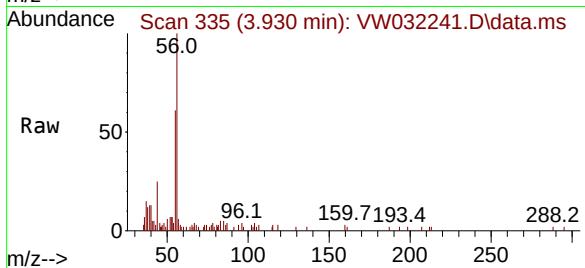
Tgt Ion: 96 Resp: 91646
Ion Ratio Lower Upper
96 100
61 151.1 123.0 184.4
98 64.6 48.5 72.7





#13
Acrolein
Concen: 39.297 ug/l
RT: 3.930 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

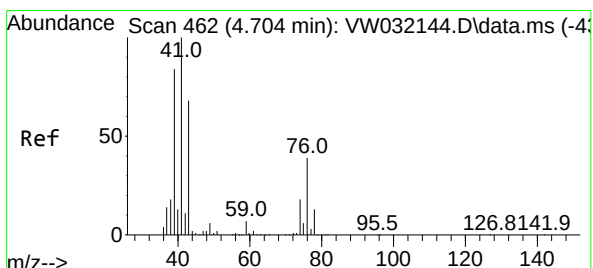
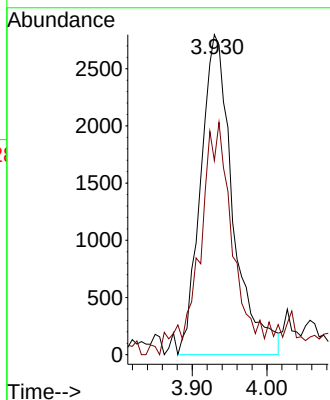
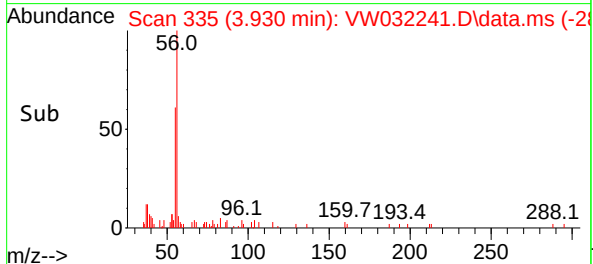
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
55 74.3 56.4 84.6

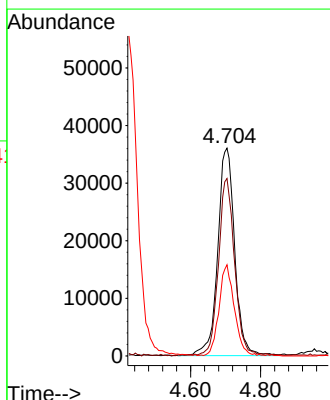
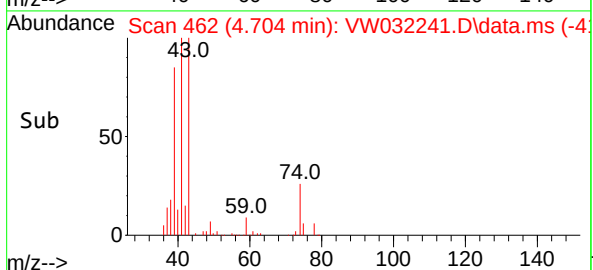
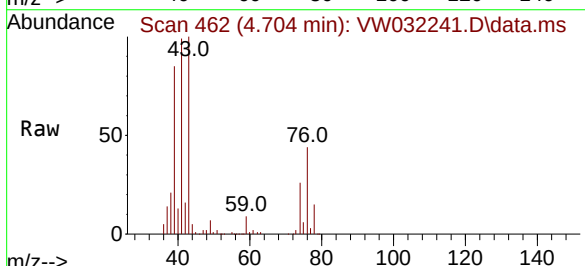
Manual Integrations
APPROVED

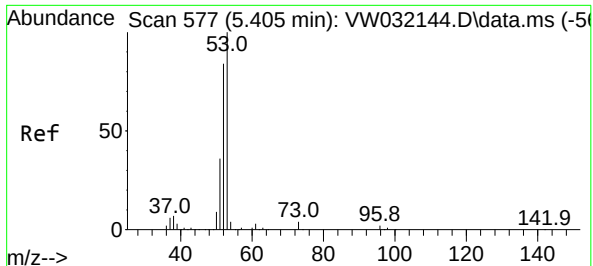
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#14
Allyl chloride
Concen: 50.809 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 41 Resp: 121556
Ion Ratio Lower Upper
41 100
39 81.7 64.1 96.1
76 39.0 31.4 47.2





#15

Acrylonitrile

Concen: 280.449 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 144458

Ion Ratio Lower Upper

53 100

52 83.8 67.4 101.2

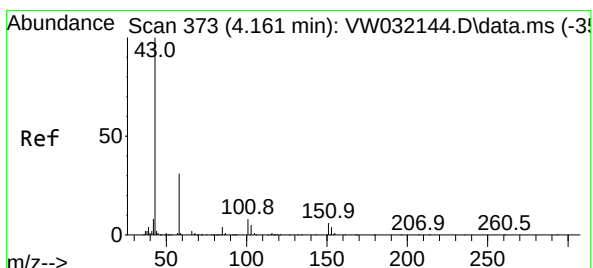
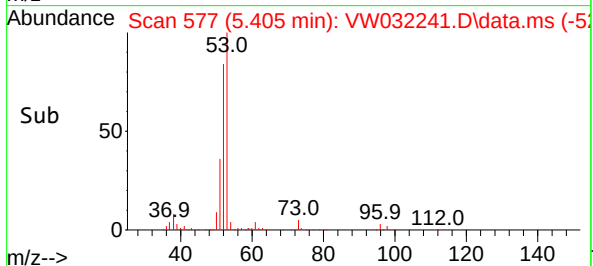
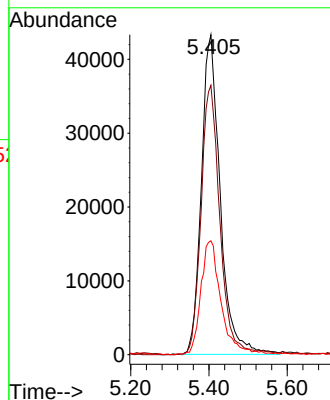
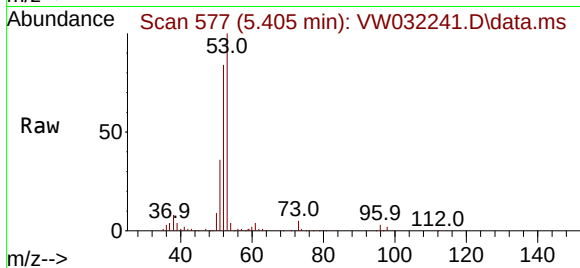
51 37.8 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#16

Acetone

Concen: 240.461 ug/l

RT: 4.161 min Scan# 373

Delta R.T. 0.000 min

Lab File: VW032241.D

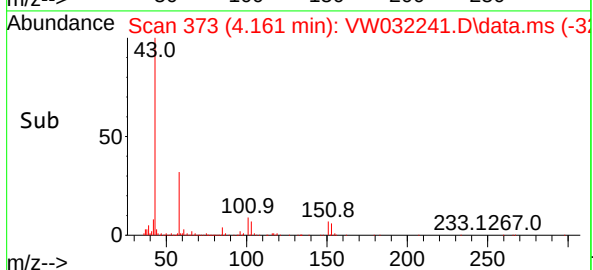
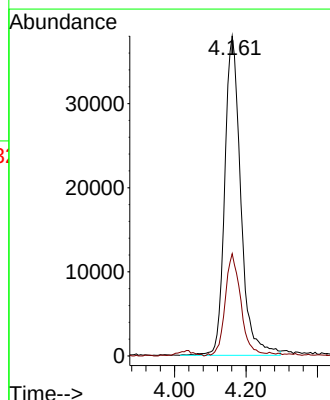
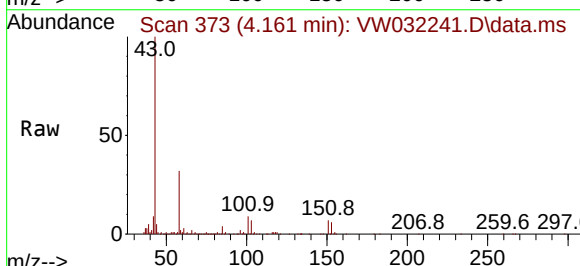
Acq: 24 Sep 2025 12:59

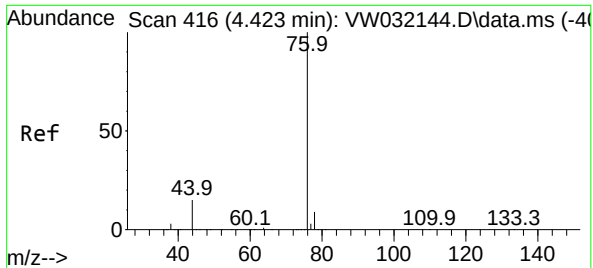
Tgt Ion: 43 Resp: 118689

Ion Ratio Lower Upper

43 100

58 31.2 25.3 37.9





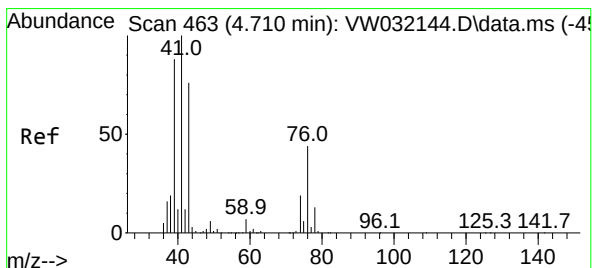
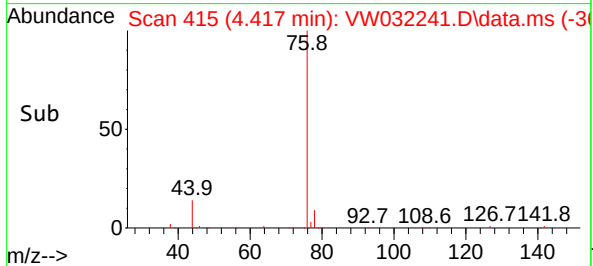
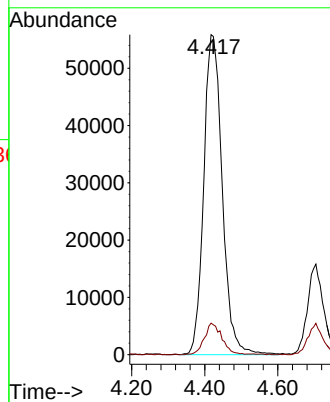
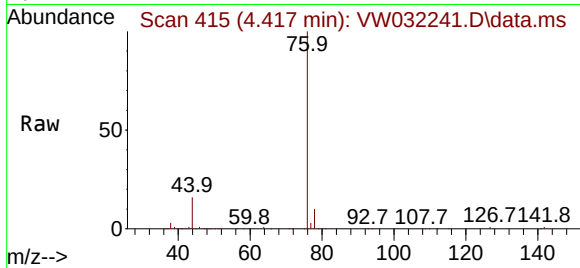
#17
Carbon Disulfide
Concen: 46.511 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 19593
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6

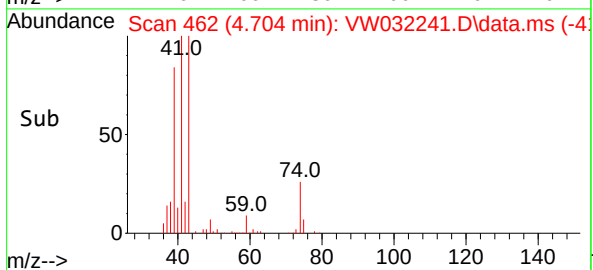
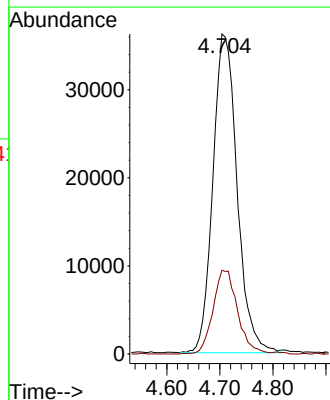
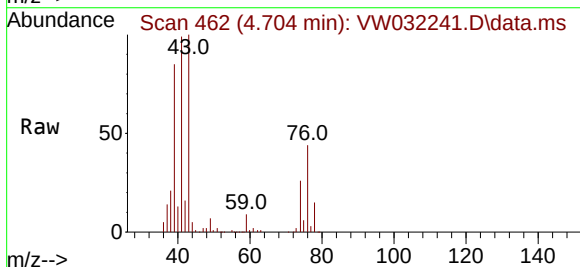
Manual Integrations
APPROVED

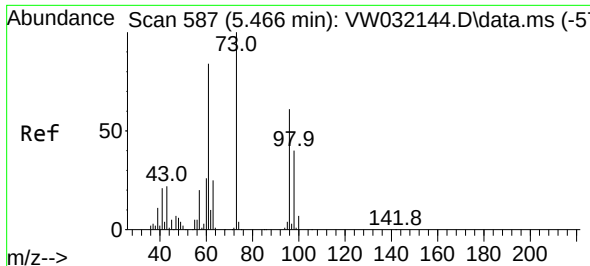
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#18
Methyl Acetate
Concen: 73.062 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 43 Resp: 114902
Ion Ratio Lower Upper
43 100
74 26.5 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 55.278 ug/l

RT: 5.466 min Scan# 502

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 17581

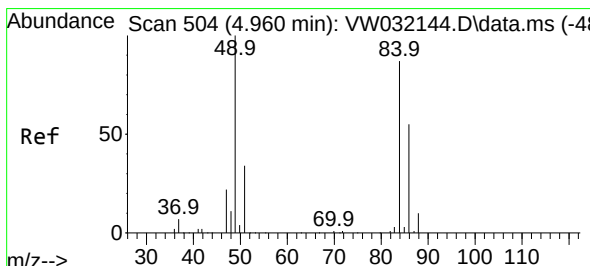
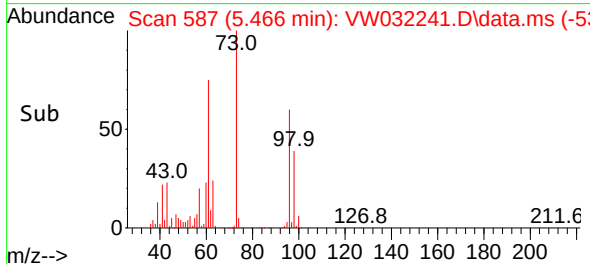
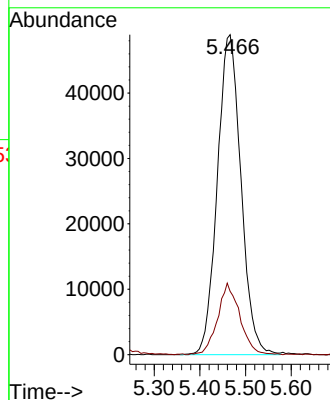
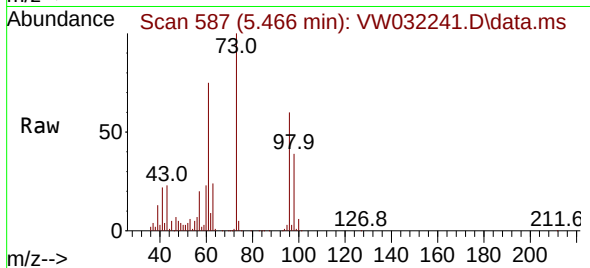
Ion Ratio Lower Upper

73 100

57 19.6 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#20

Methylene Chloride

Concen: 53.735 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.012 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion: 84 Resp: 107657

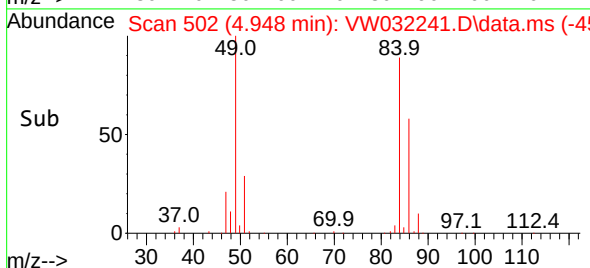
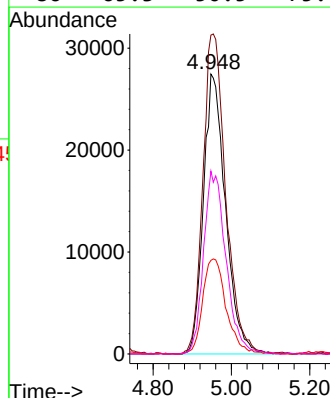
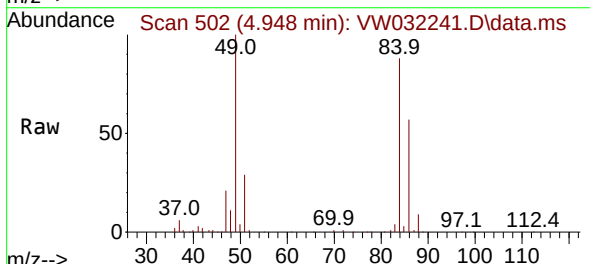
Ion Ratio Lower Upper

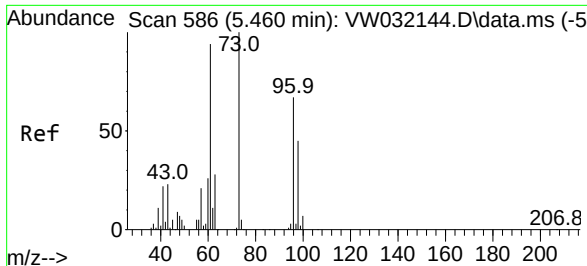
84 100

49 114.0 92.2 138.4

51 33.5 31.0 46.6

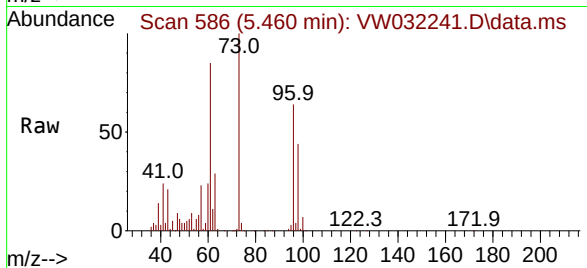
86 65.3 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 53.663 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

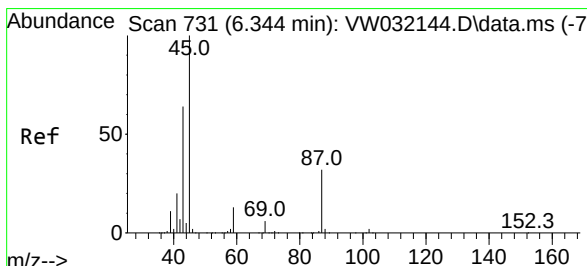
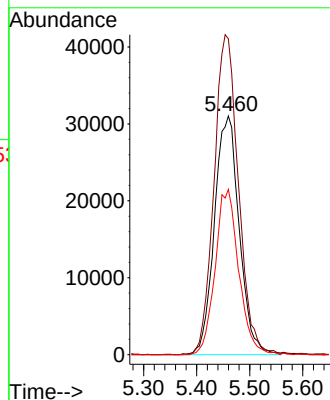
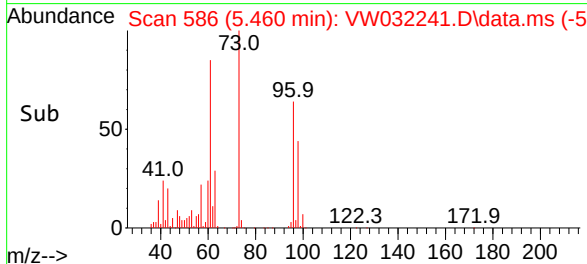
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 100969
Ion Ratio Lower Upper
96 100
61 132.3 112.5 168.7
98 69.2 54.2 81.4

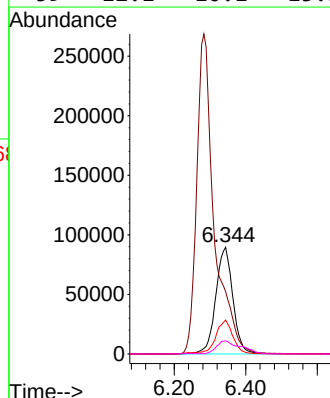
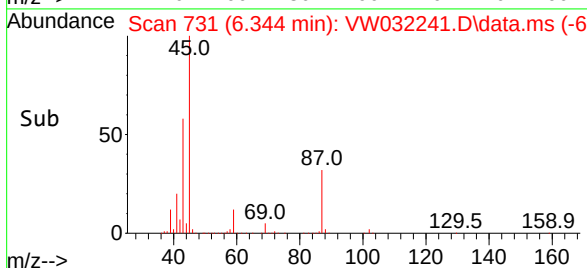
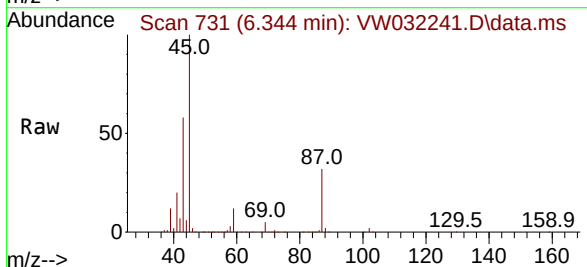
Manual Integrations
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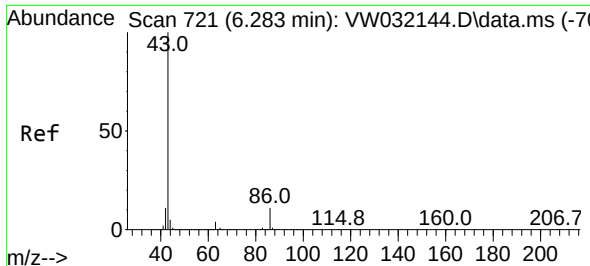
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#22
Diisopropyl ether
Concen: 57.180 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 45 Resp: 297735
Ion Ratio Lower Upper
45 100
43 58.0 51.4 77.2
87 31.7 25.9 38.9
59 12.1 10.1 15.1





#23

Vinyl Acetate

Concen: 257.319 ug/l

RT: 6.283 min Scan# 713

Delta R.T. 0.000 min

Lab File: VW032241.D

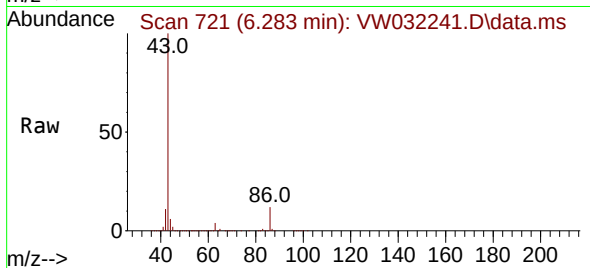
Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 910958

Ion Ratio Lower Upper

43

100

86

11.6

8.8

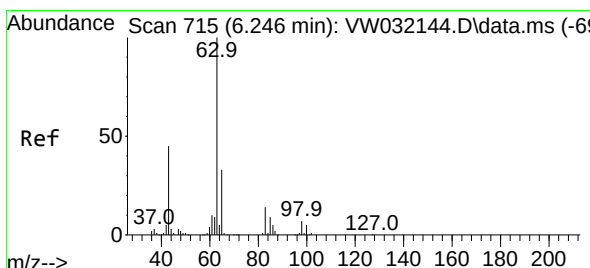
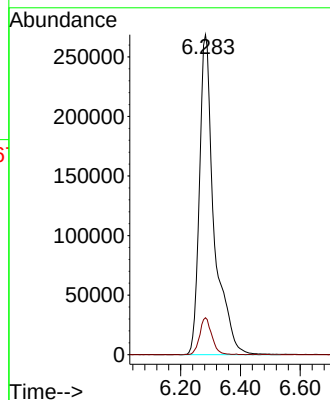
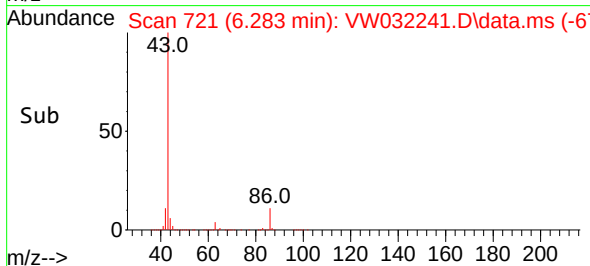
13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#24

1,1-Dichloroethane

Concen: 55.131 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion: 63 Resp: 187934

Ion Ratio Lower Upper

63

100

98

8.0

100

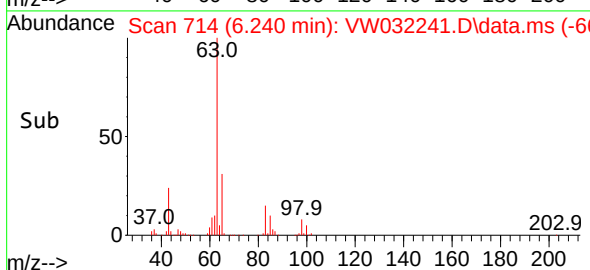
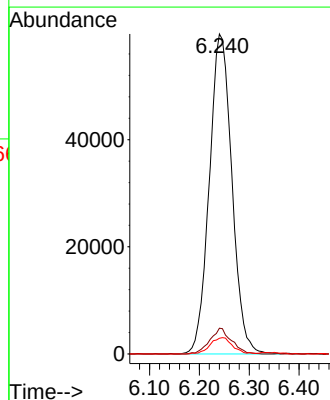
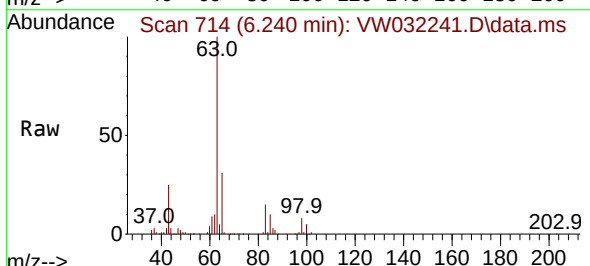
4.9

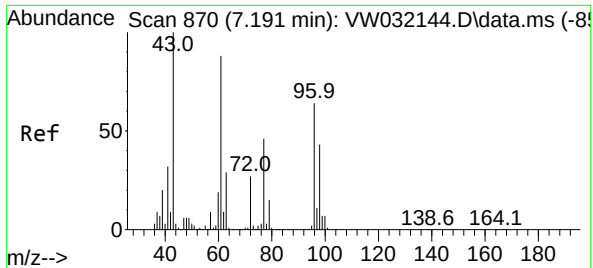
3.8

11.2

2.5

7.5





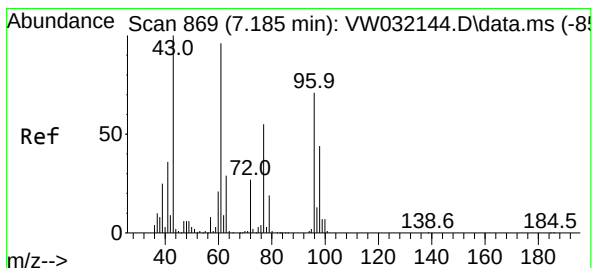
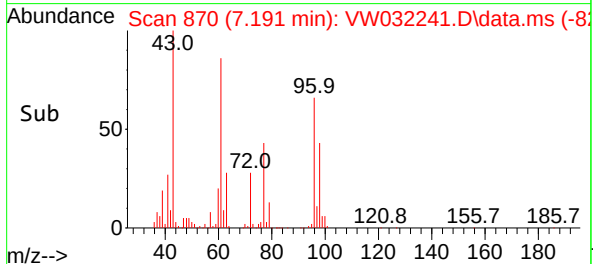
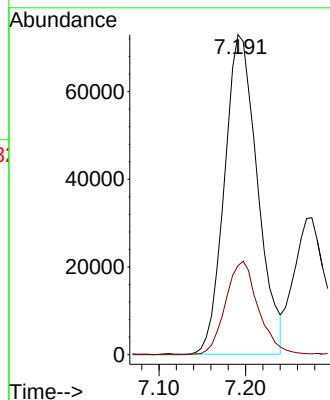
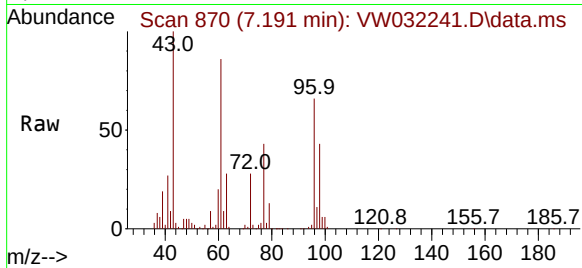
#25
2-Butanone
Concen: 276.147 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 193140
Ion Ratio Lower Upper
43 100
72 27.9 21.4 32.2

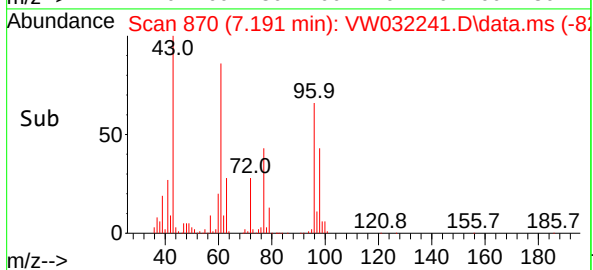
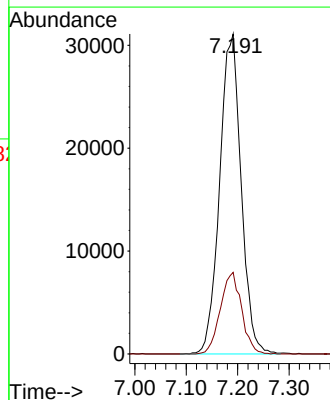
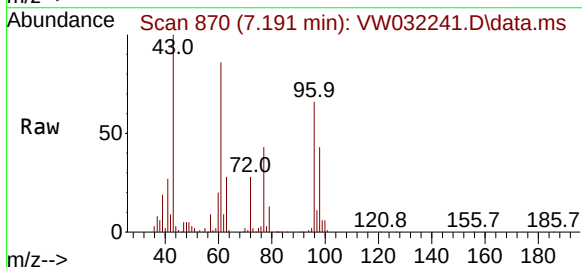
Manual Integrations
APPROVED

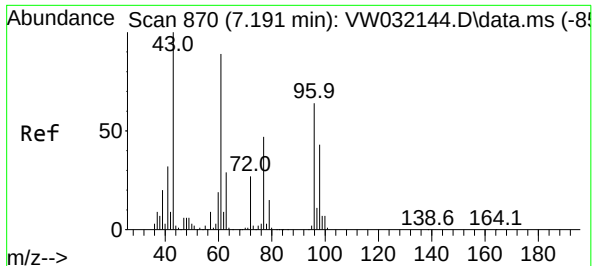
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#26
2,2-Dichloropropane
Concen: 50.059 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 77 Resp: 90367
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 54.445 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

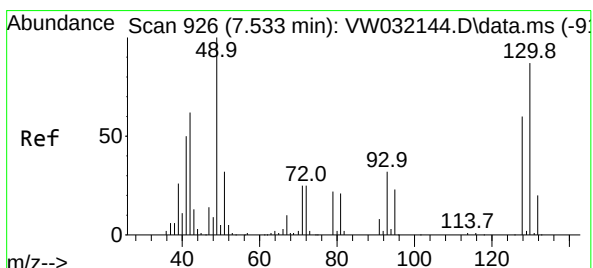
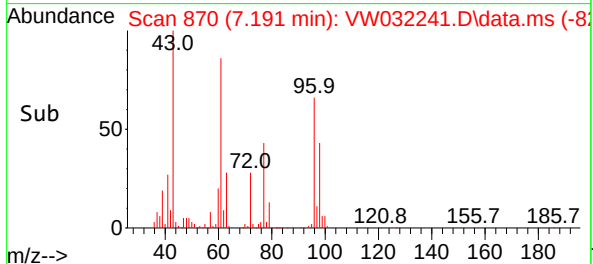
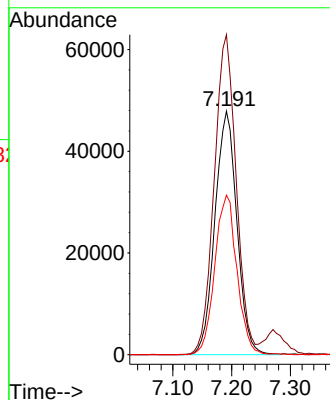
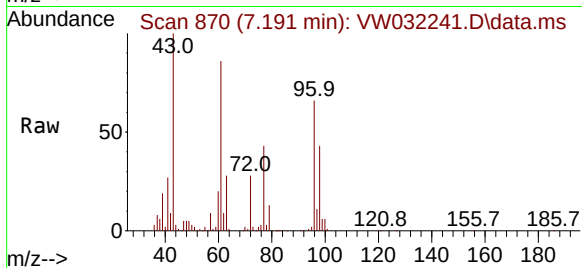
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	12465
Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	268.0
98	65.9	0.0	130.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#28

Bromochloromethane

Concen: 57.881 ug/l

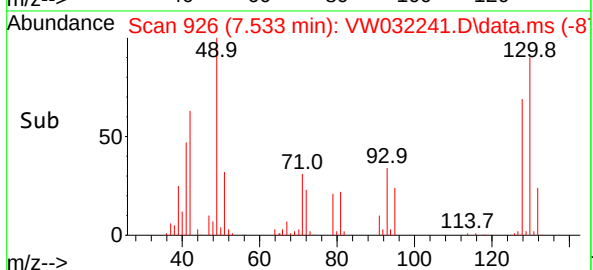
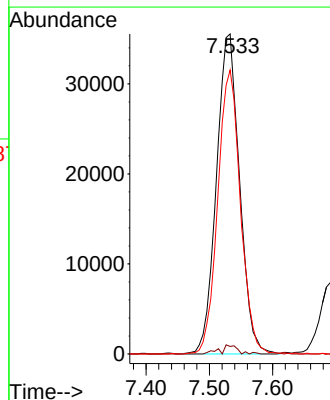
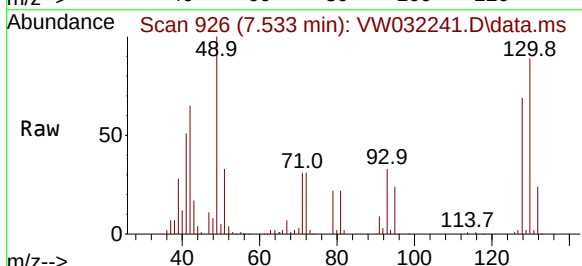
RT: 7.533 min Scan# 926

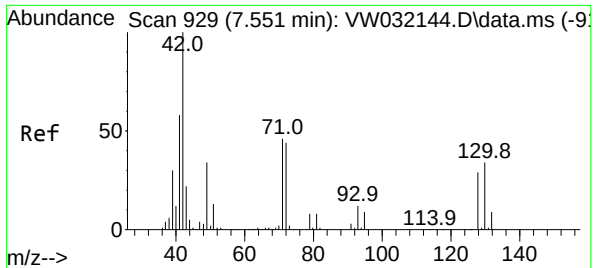
Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion:	49	Resp:	90321
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	86.8	67.5	101.3





#29

Tetrahydrofuran

Concen: 284.070 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 12625

Ion Ratio Lower Upper

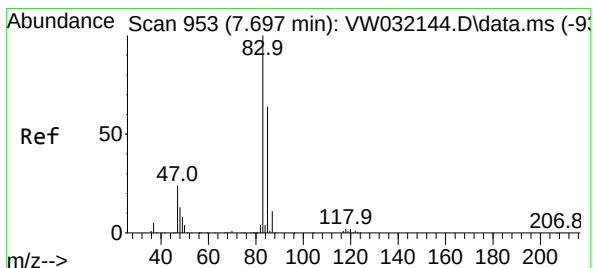
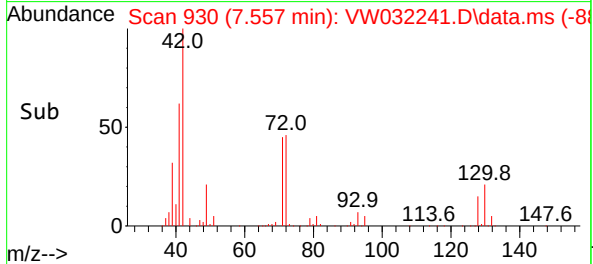
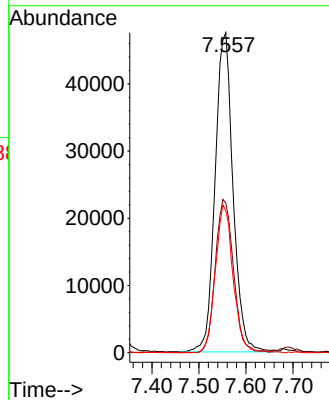
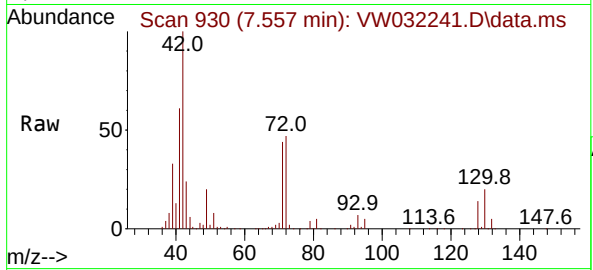
42 100

72 48.7 37.4 56.2

71 45.9 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#30

Chloroform

Concen: 55.991 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.006 min

Lab File: VW032241.D

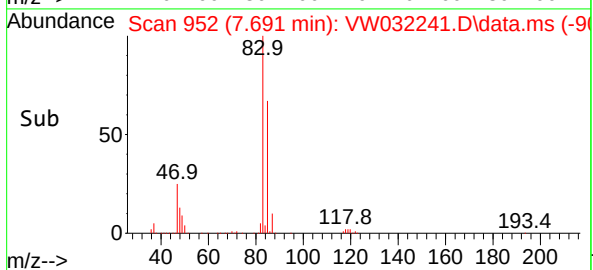
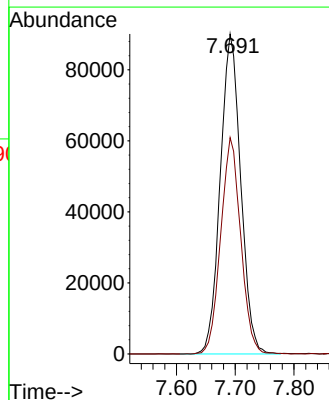
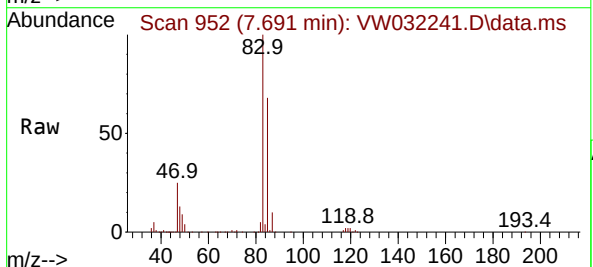
Acq: 24 Sep 2025 12:59

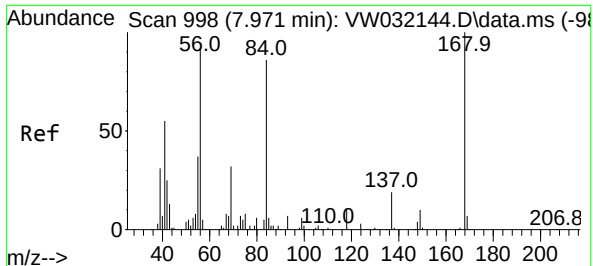
Tgt Ion: 83 Resp: 217916

Ion Ratio Lower Upper

83 100

85 67.6 51.2 76.8





#31

Cyclohexane

Concen: 46.256 ug/l

RT: 7.972 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 129420

Ion Ratio Lower Upper

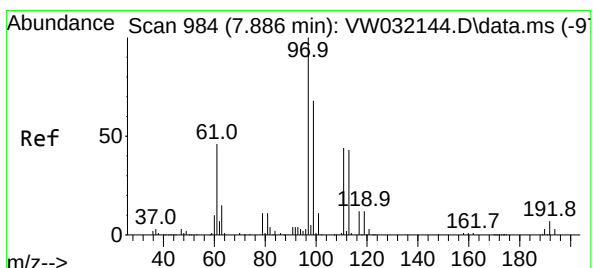
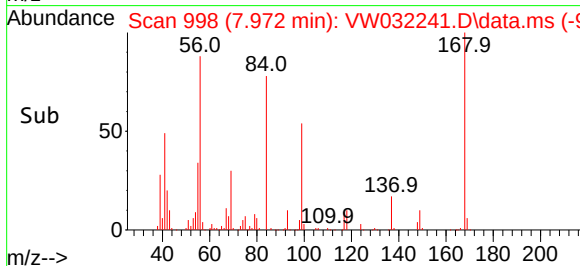
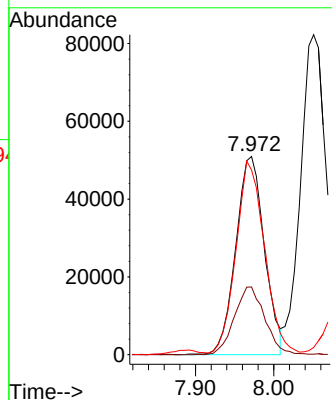
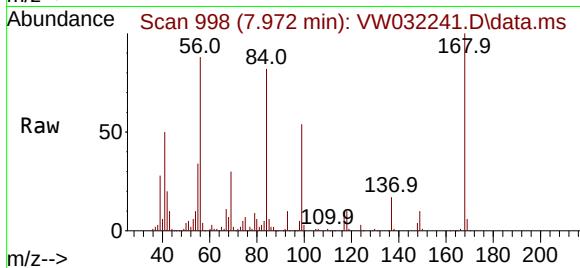
56 100

69 34.1 27.7 41.5

84 90.9 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#32

1,1,1-Trichloroethane

Concen: 54.804 ug/l

RT: 7.886 min Scan# 984

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

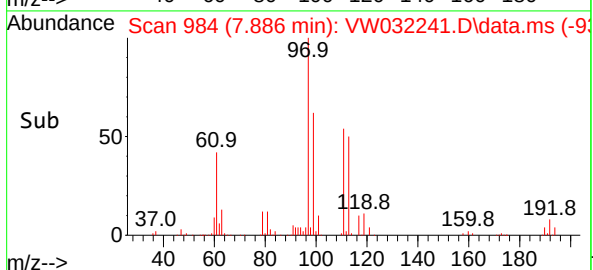
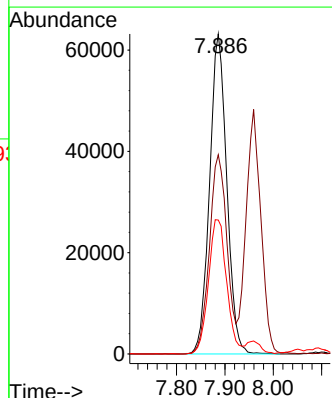
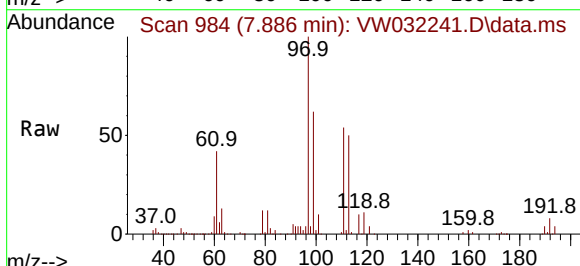
Tgt Ion: 97 Resp: 155704

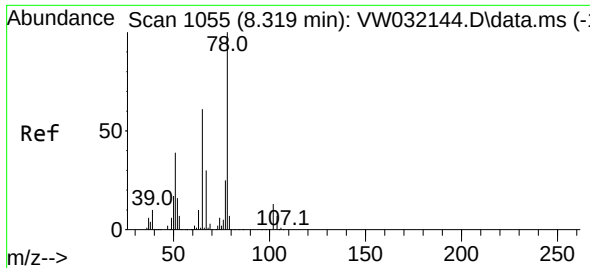
Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 44.6 36.2 54.4





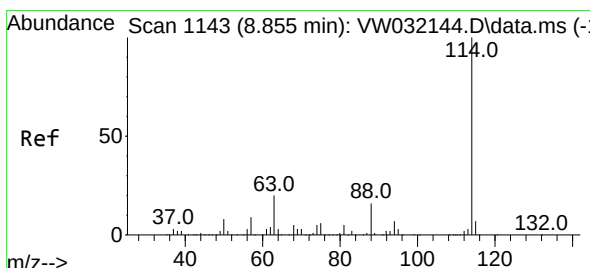
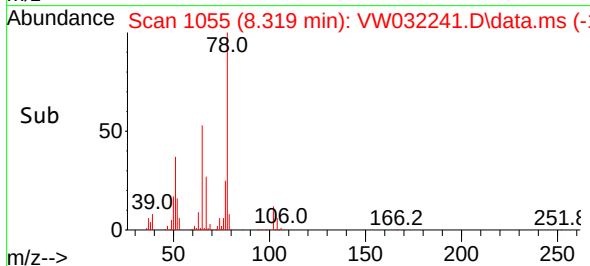
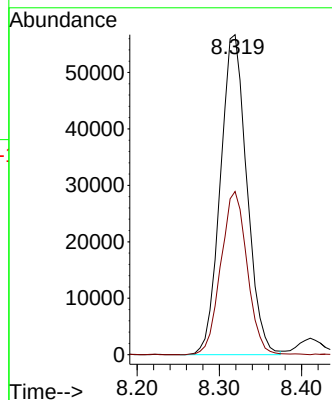
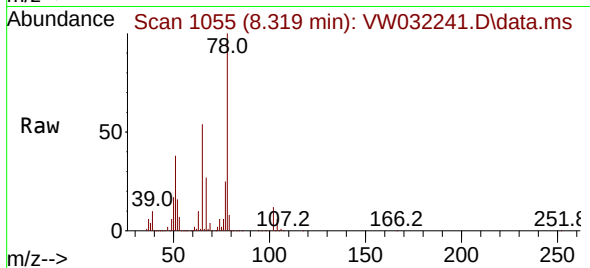
#33
1,2-Dichloroethane-d4
Concen: 55.644 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 126820
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.6

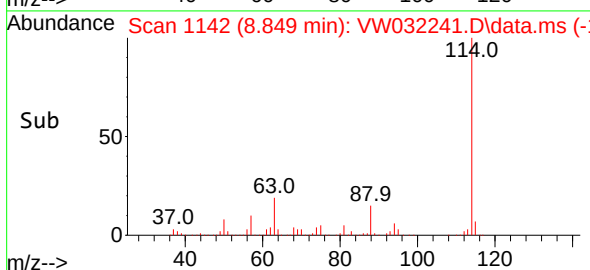
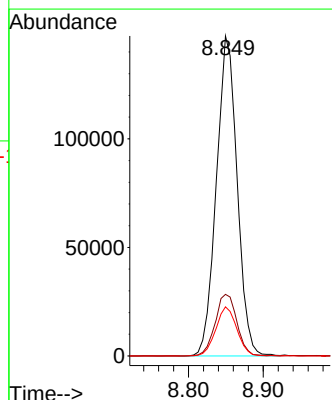
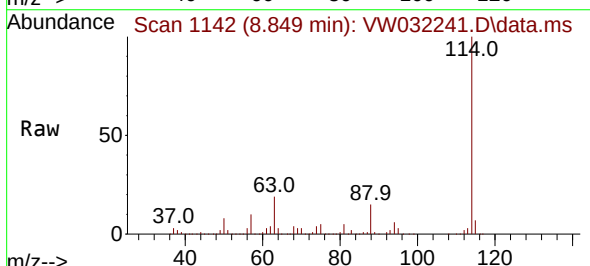
Manual Integrations
APPROVED

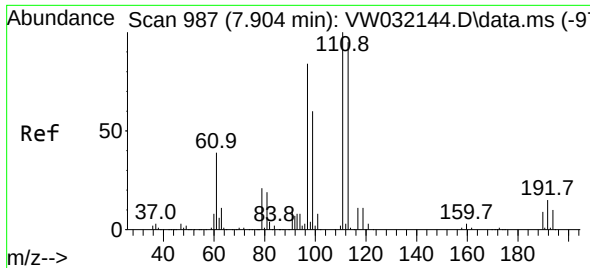
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

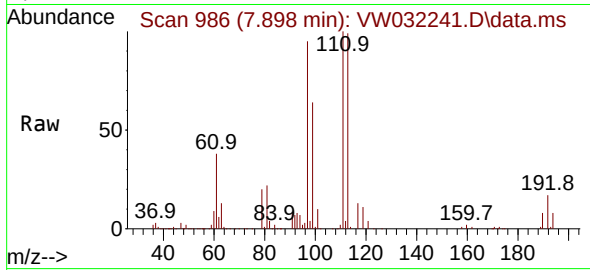
Tgt Ion:114 Resp: 285121
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.4
88 15.3 0.0 32.0





#35
Dibromofluoromethane
Concen: 54.956 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

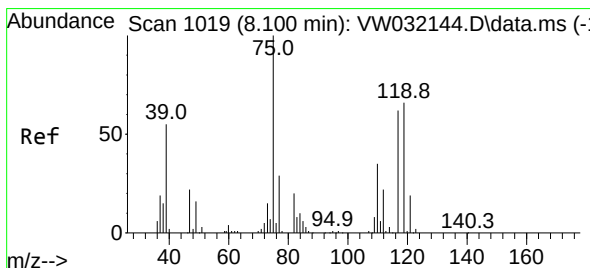
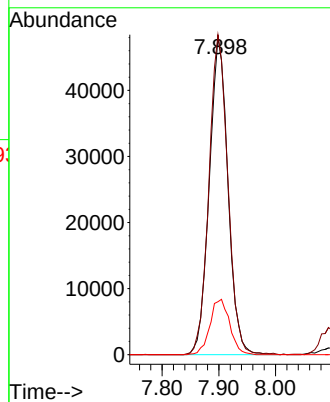
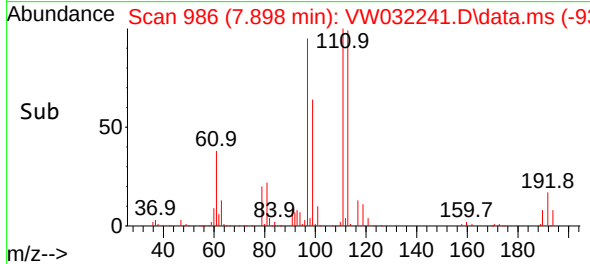
Instrument :
MSVOA_W
ClientSampleId :
VSTDC0050



Tgt Ion: 113 Resp: 109934
Ion Ratio Lower Upper
113 100
111 102.1 83.9 125.9
192 18.5 14.6 21.8

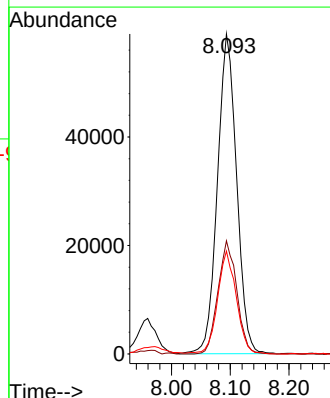
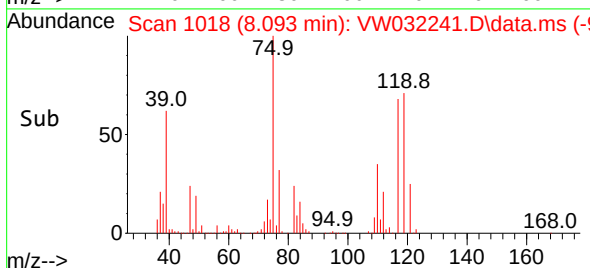
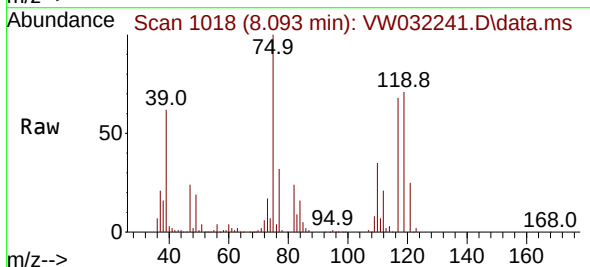
Manual Integrations
APPROVED

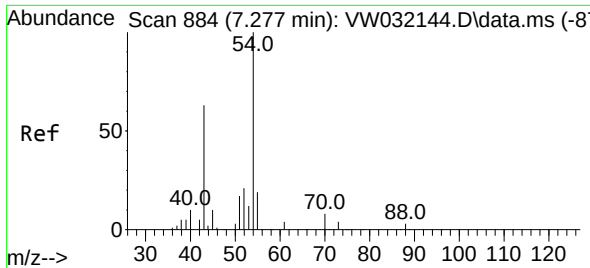
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#36
1,1-Dichloropropene
Concen: 51.535 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

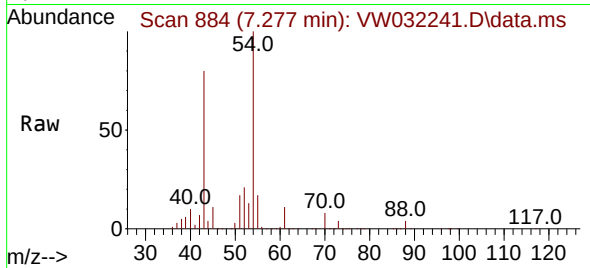
Tgt Ion: 75 Resp: 133665
Ion Ratio Lower Upper
75 100
110 34.8 17.5 52.5
77 31.5 24.1 36.1





#37
Ethyl Acetate
Concen: 52.826 ug/l
RT: 7.277 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

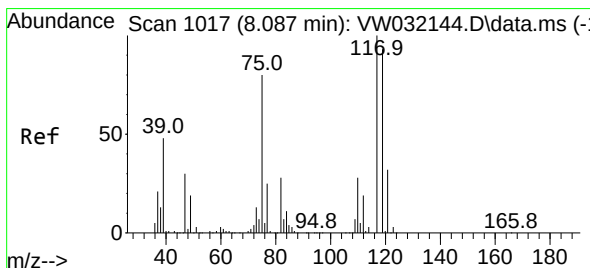
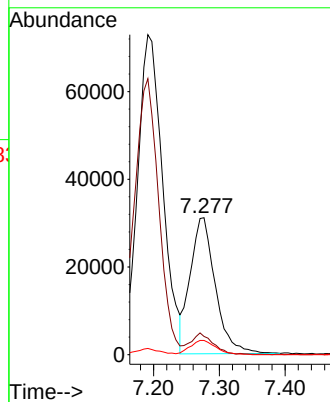
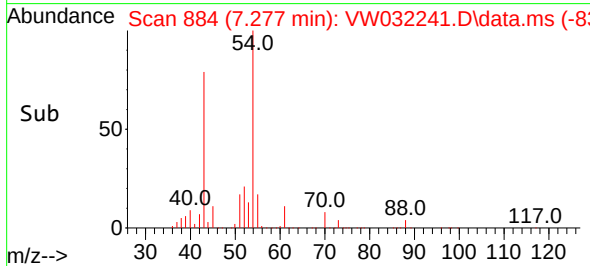
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 8219
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 10.8 8.9 13.3

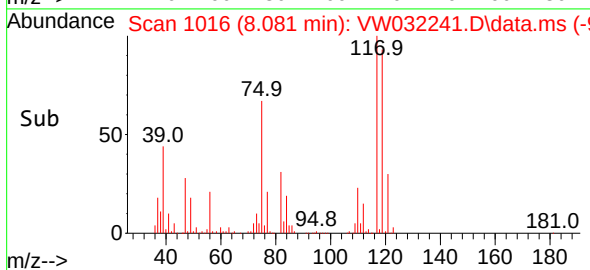
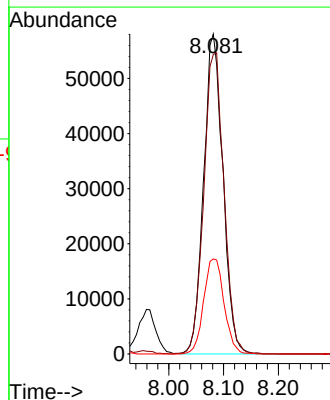
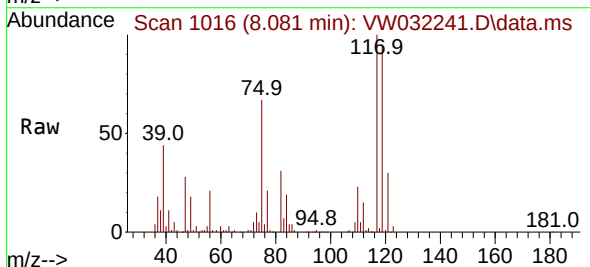
Manual Integrations
APPROVED

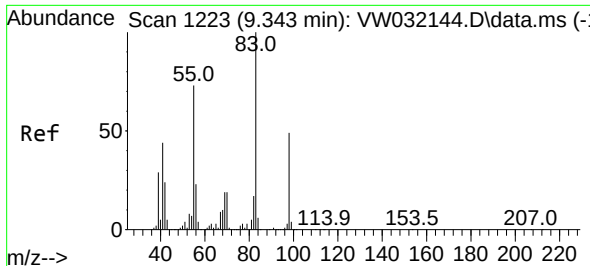
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#38
Carbon Tetrachloride
Concen: 50.993 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion:117 Resp: 141782
Ion Ratio Lower Upper
117 100
119 93.6 74.2 111.2
121 29.7 25.6 38.4





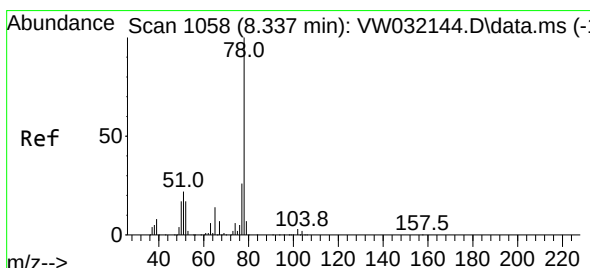
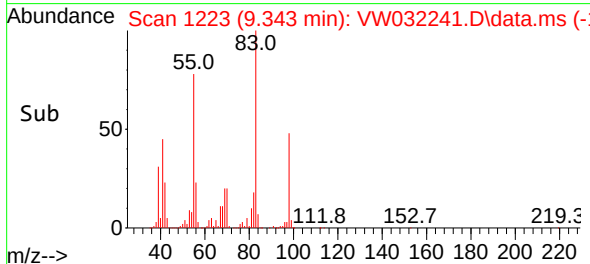
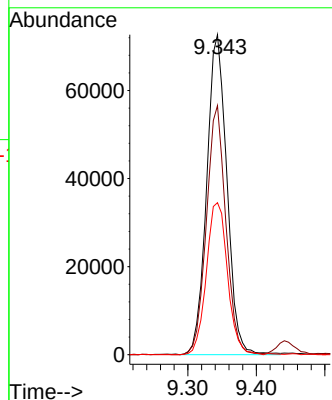
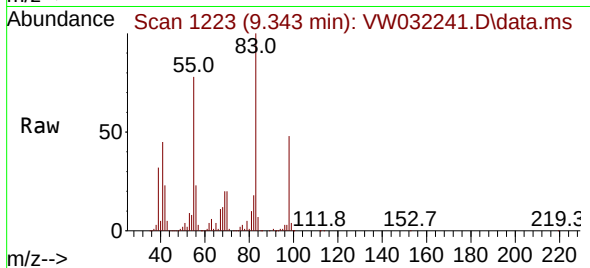
#39
Methylcyclohexane
Concen: 48.484 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 14894
Ion Ratio Lower Upper
83 100
55 77.8 58.4 87.6
98 47.5 39.4 59.2

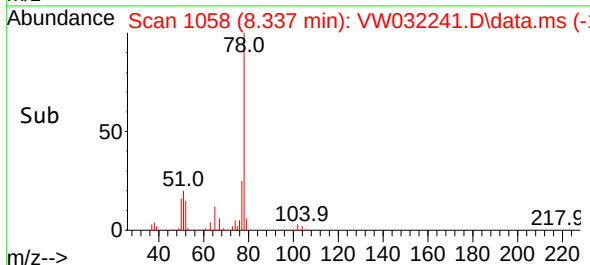
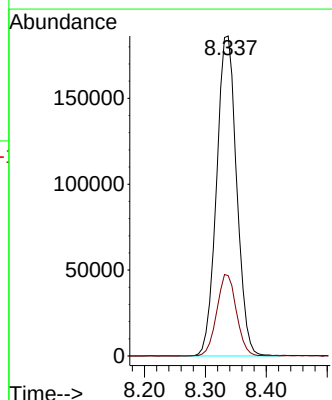
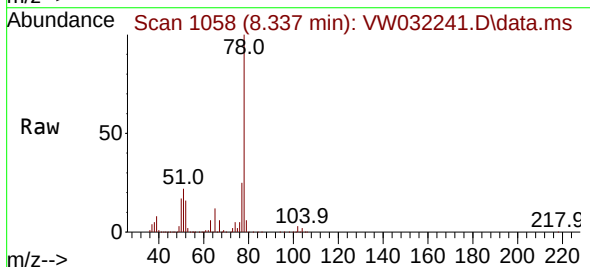
Manual Integrations
APPROVED

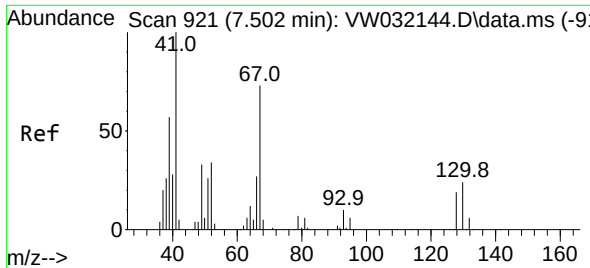
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#40
Benzene
Concen: 53.147 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 78 Resp: 426097
Ion Ratio Lower Upper
78 100
77 25.1 20.7 31.1





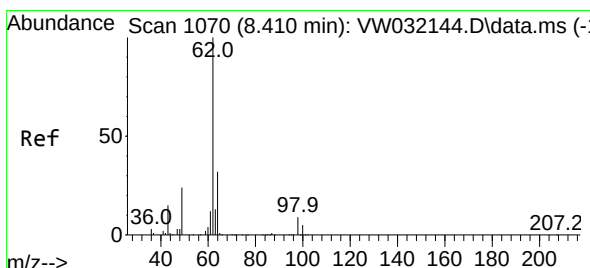
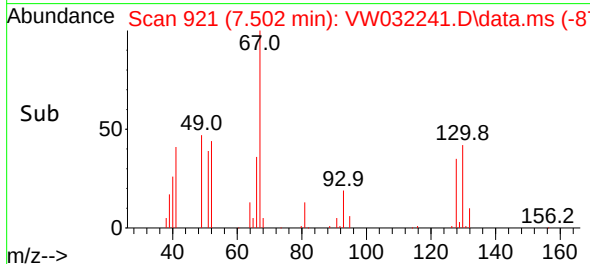
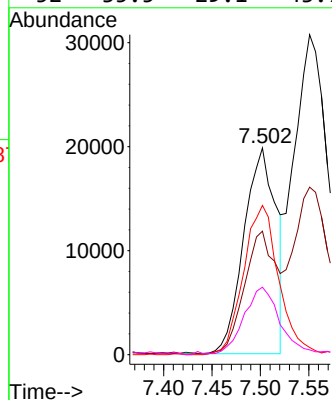
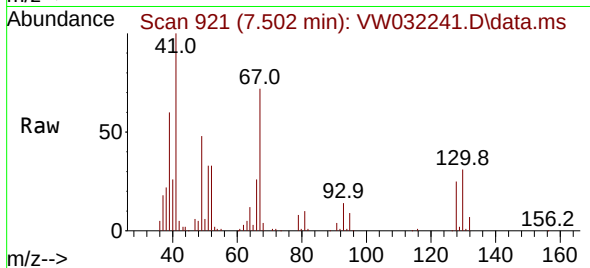
#41
Methacrylonitrile
Concen: 53.025 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 4583
Ion Ratio Lower Upper
41 100
39 58.6 50.9 76.3
67 80.0 65.6 98.4
52 35.5 29.1 43.7

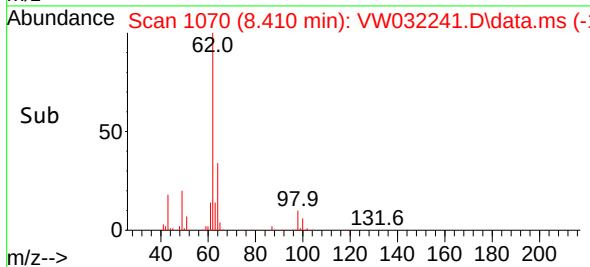
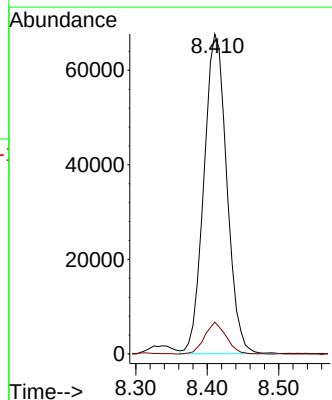
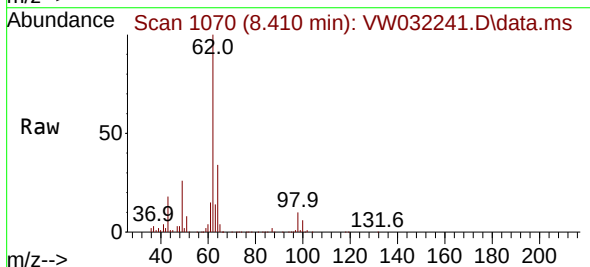
Manual Integrations
APPROVED

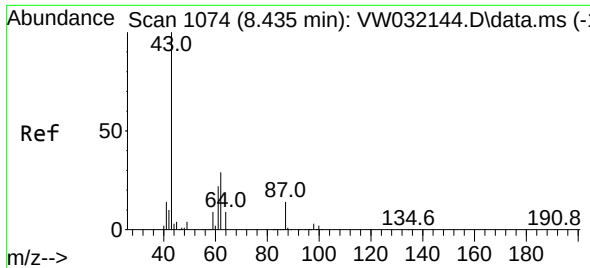
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#42
1,2-Dichloroethane
Concen: 54.171 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

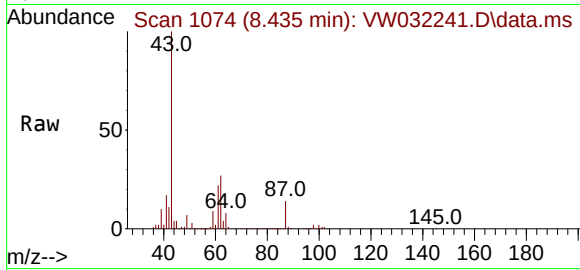
Tgt Ion: 62 Resp: 150558
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.0





#43
Isopropyl Acetate
Concen: 51.995 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

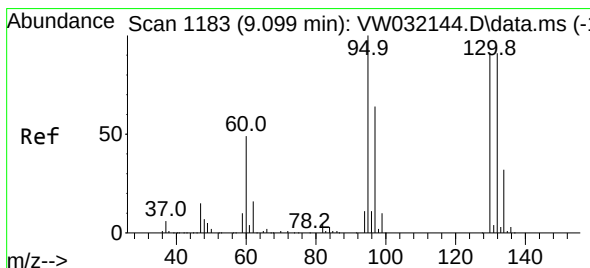
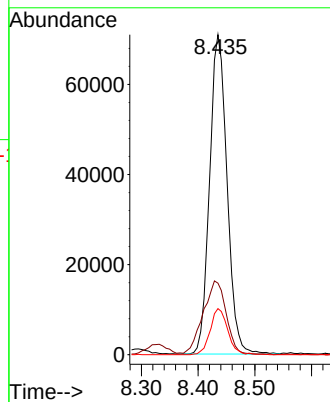
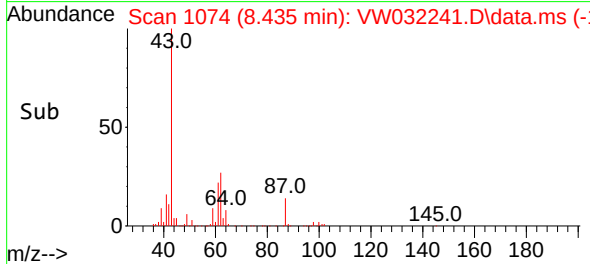
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 151768
Ion Ratio Lower Upper
43 100
61 30.2 23.3 34.9
87 14.5 11.1 16.7

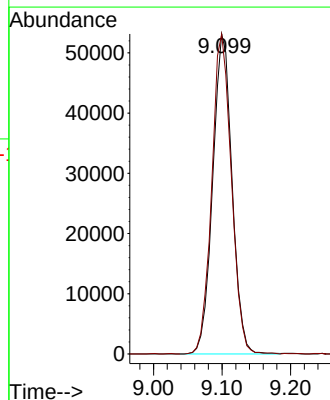
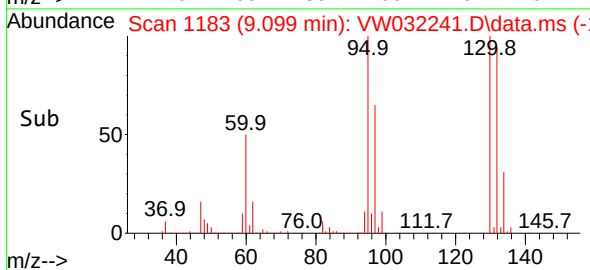
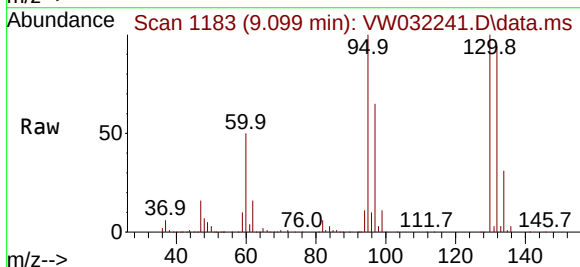
Manual Integrations
APPROVED

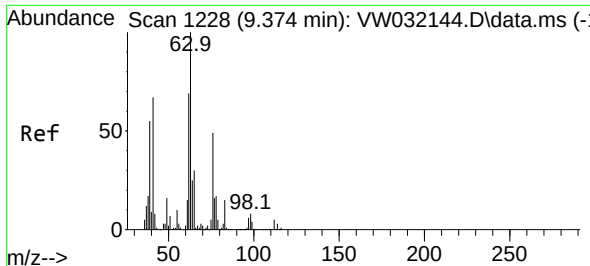
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#44
Trichloroethene
Concen: 51.462 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion:130 Resp: 103757
Ion Ratio Lower Upper
130 100
95 100.0 0.0 220.0





#45

1,2-Dichloropropane

Concen: 55.313 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 10690

Ion Ratio Lower Upper

63 100

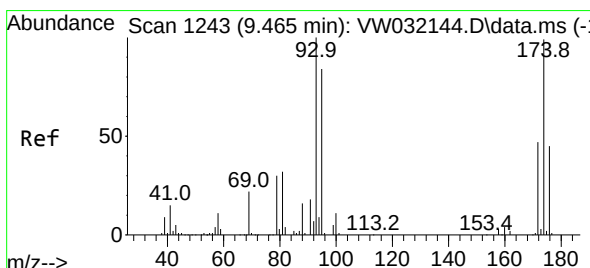
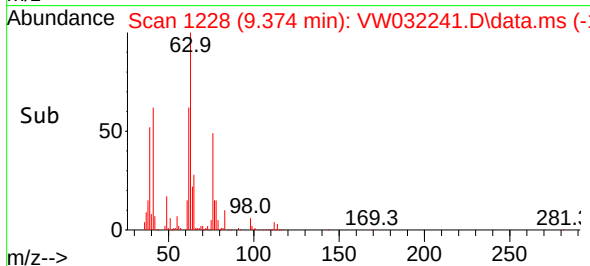
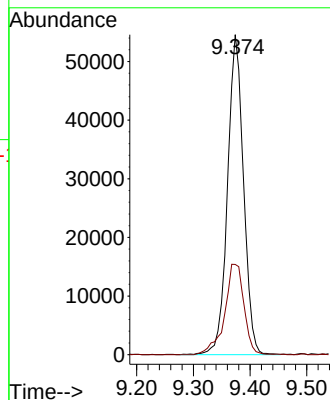
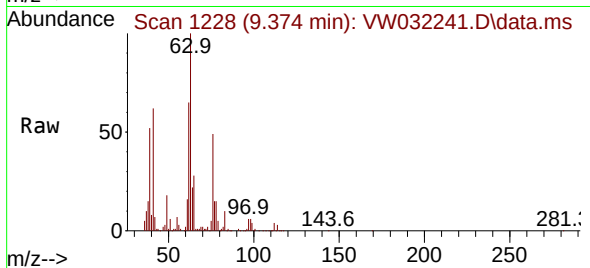
65 28.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#46

Dibromomethane

Concen: 55.381 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

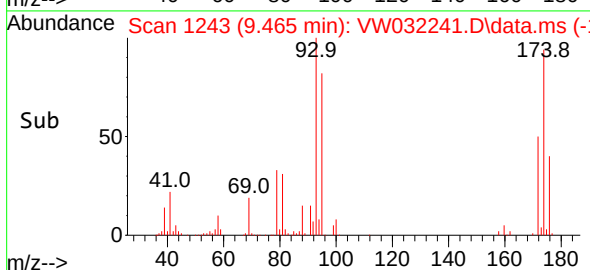
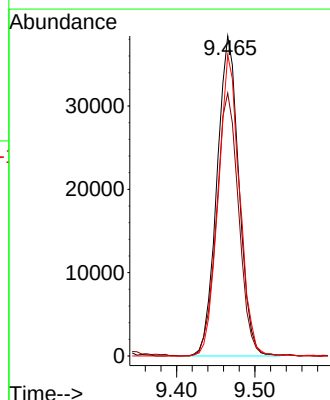
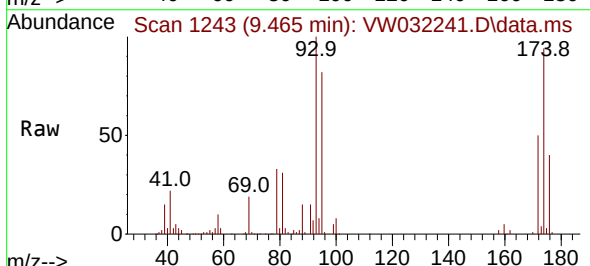
Tgt Ion: 93 Resp: 75073

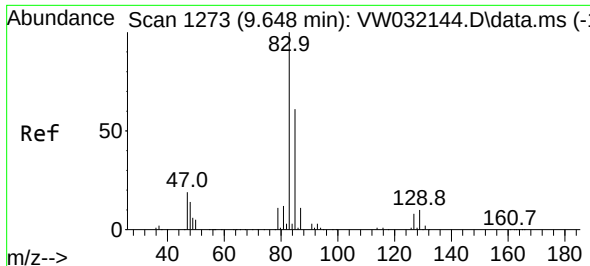
Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.2

174 91.3 75.7 113.5





#47

Bromodichloromethane

Concen: 55.409 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 17068

Ion Ratio Lower Upper

83 100

85 65.6 48.7 73.1

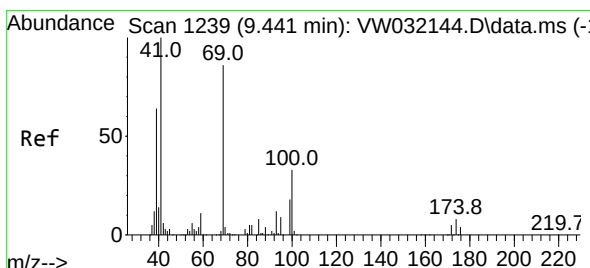
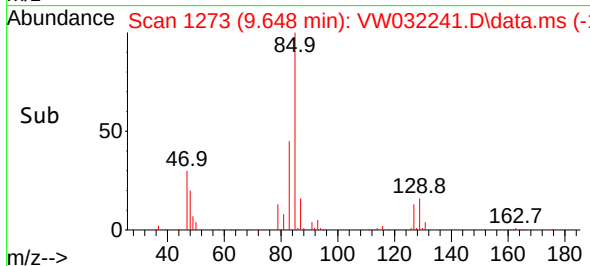
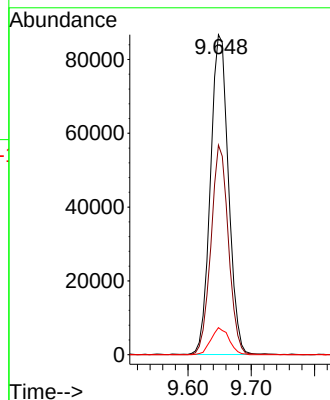
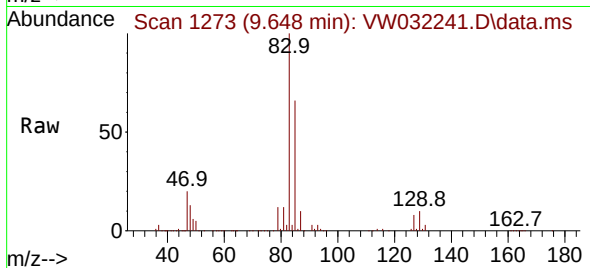
127 8.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#48

Methyl methacrylate

Concen: 54.816 ug/l

RT: 9.441 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

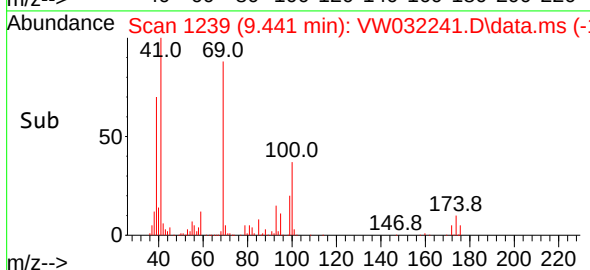
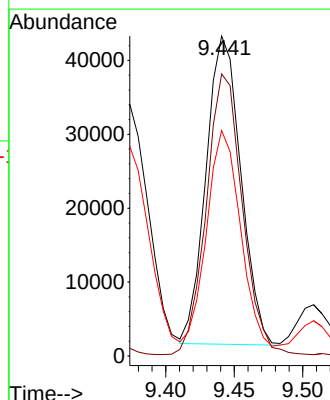
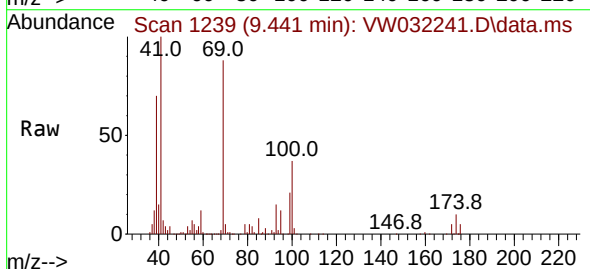
Tgt Ion: 41 Resp: 73737

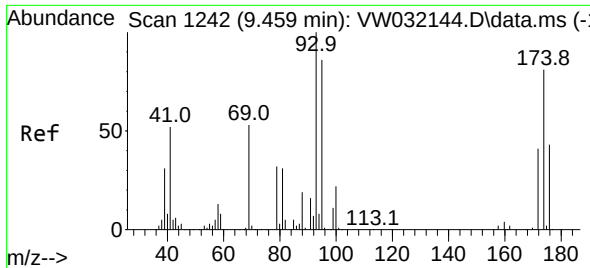
Ion Ratio Lower Upper

41 100

69 94.5 71.5 107.3

39 73.4 55.9 83.9





#49

1,4-Dioxane

Concen: 1173.130 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

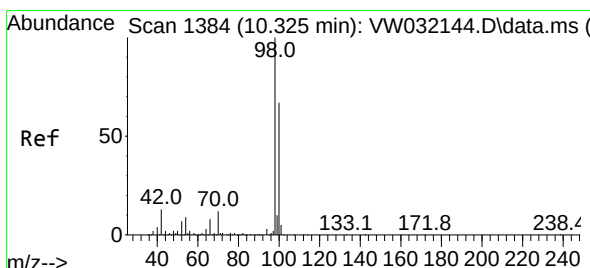
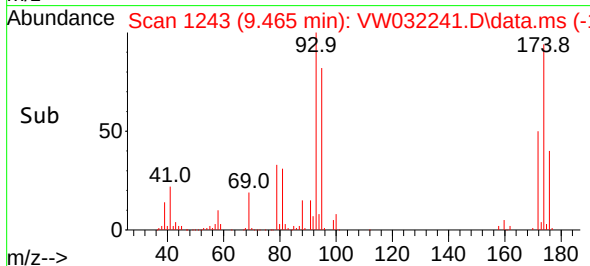
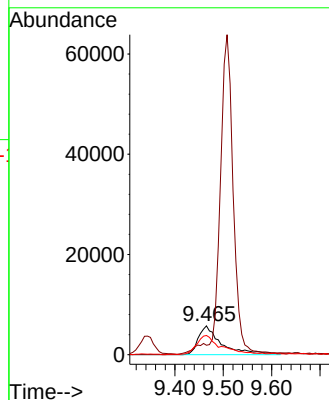
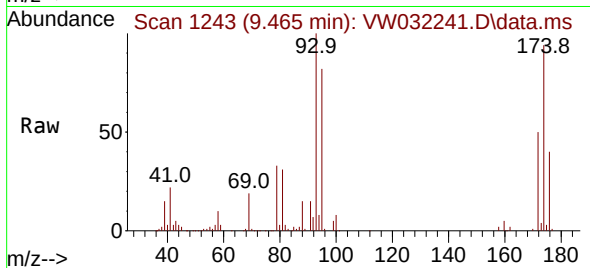
VSTDCCC050

Tgt Ion:	88	Resp:	19214
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0
58	69.1	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#50

Toluene-d8

Concen: 53.487 ug/l

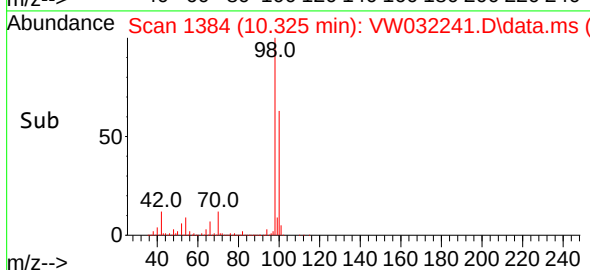
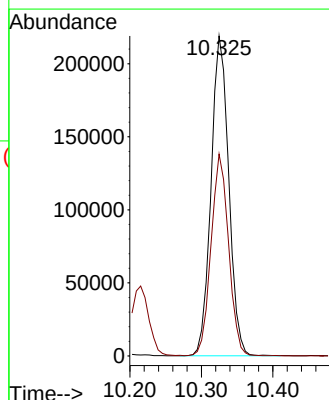
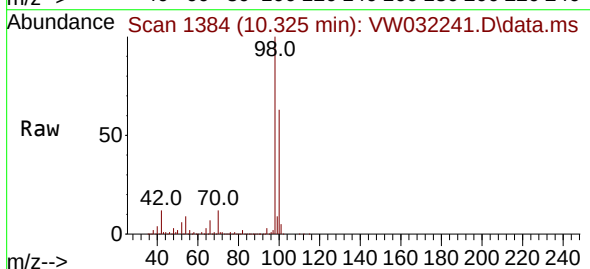
RT: 10.325 min Scan# 1384

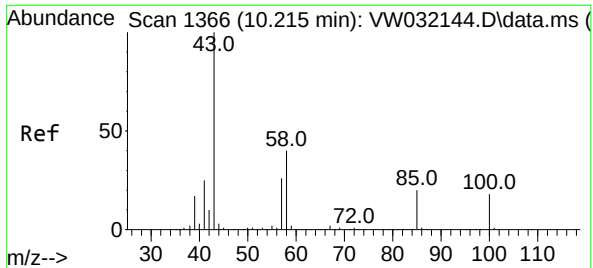
Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion:	98	Resp:	375602
Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.4	77.2





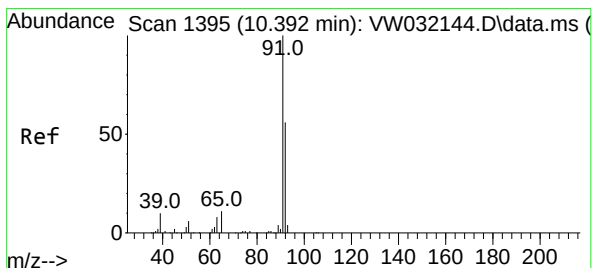
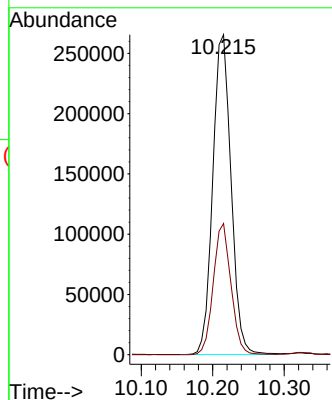
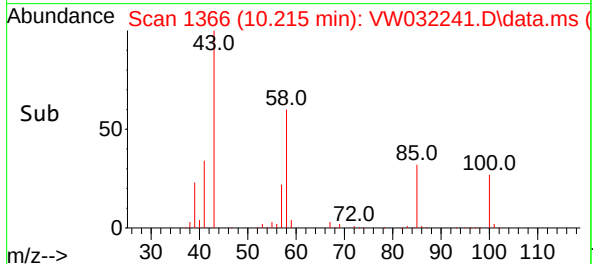
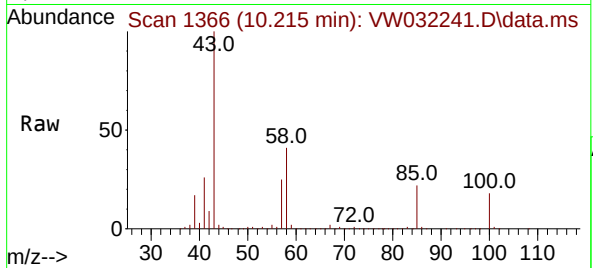
#51
4-Methyl-2-Pentanone
Concen: 286.239 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 47177
Ion Ratio Lower Upper
43 100
58 39.6 32.0 48.0

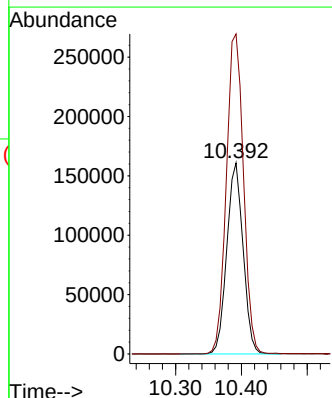
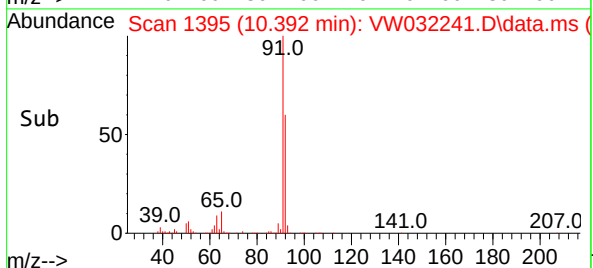
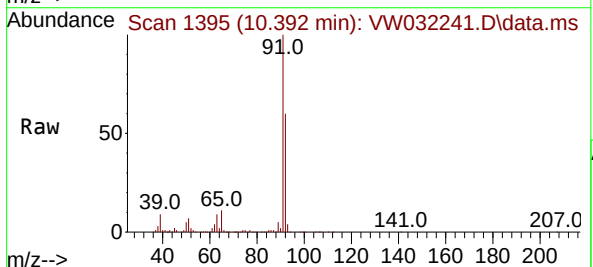
Manual Integrations
APPROVED

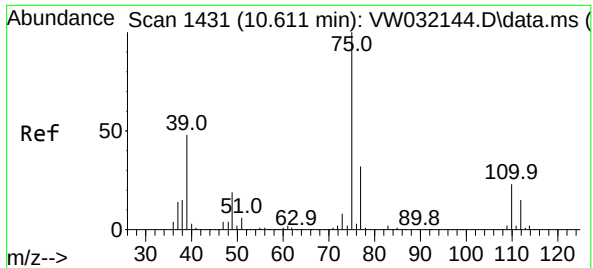
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#52
Toluene
Concen: 52.868 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 92 Resp: 276980
Ion Ratio Lower Upper
92 100
91 176.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 52.661 ug/l

RT: 10.605 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 143109

Ion Ratio Lower Upper

75 100

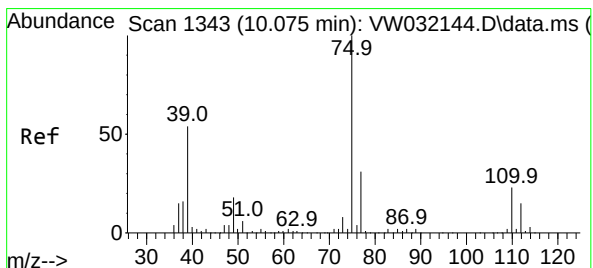
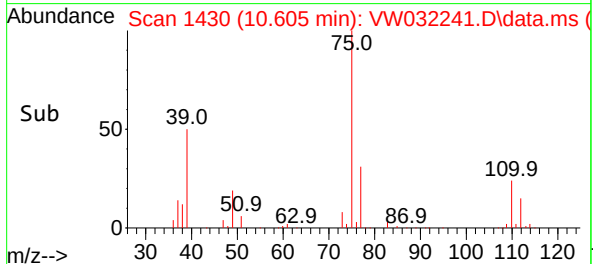
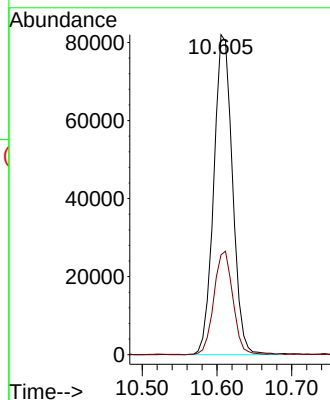
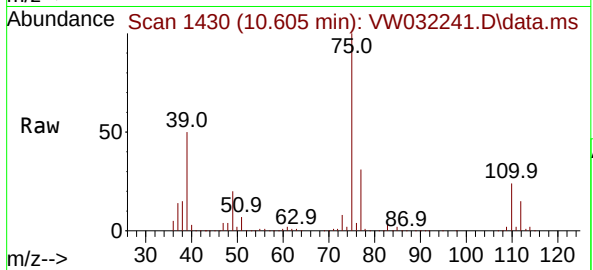
77 31.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#54

cis-1,3-Dichloropropene

Concen: 53.380 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

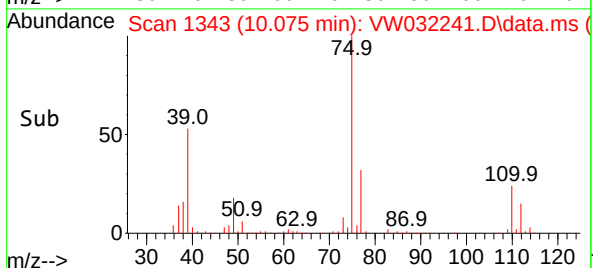
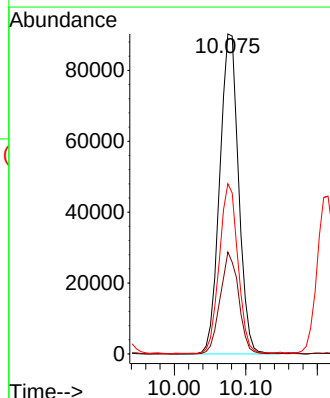
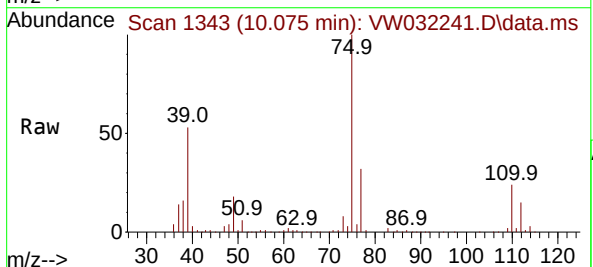
Tgt Ion: 75 Resp: 165518

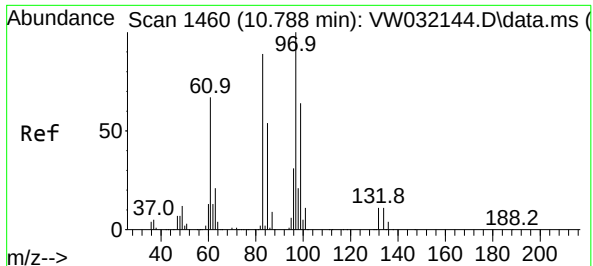
Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 53.0 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 56.440 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 9948

Ion Ratio Lower Upper

97 100

83 84.6 71.0 106.6

85 54.7 42.8 64.2

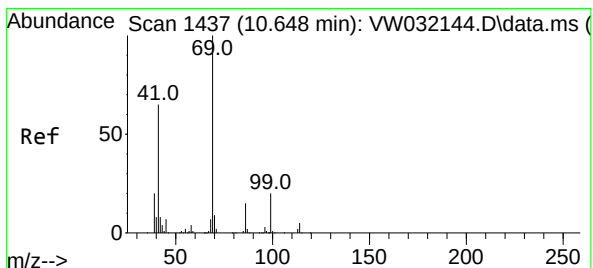
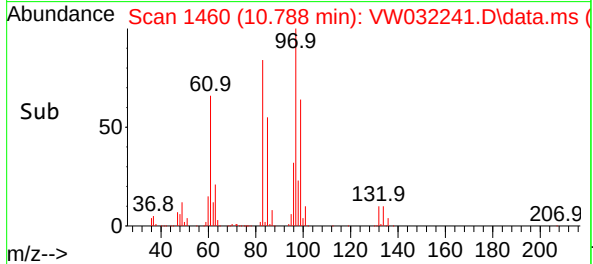
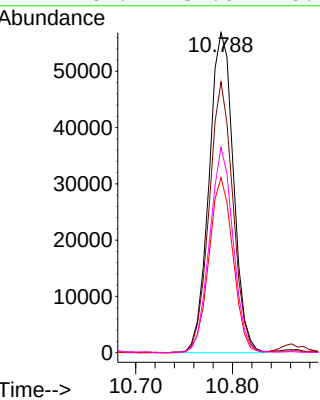
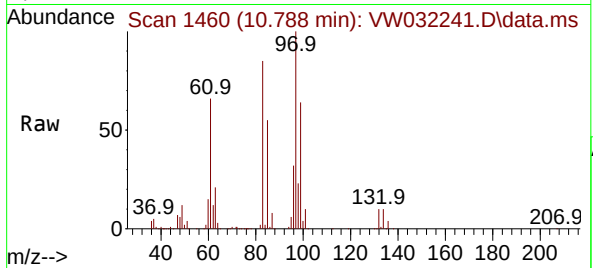
99 64.1 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#56

Ethyl methacrylate

Concen: 55.068 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

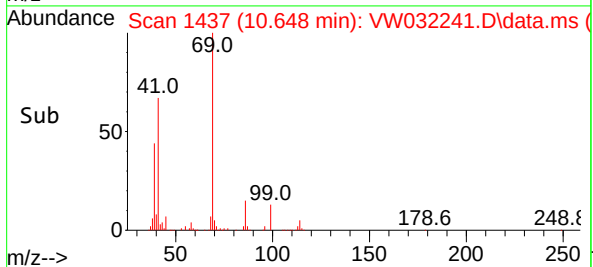
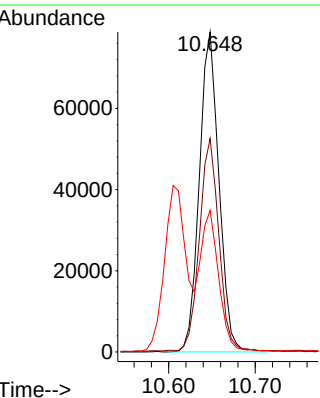
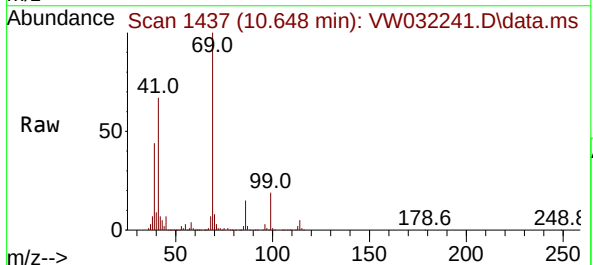
Tgt Ion: 69 Resp: 124101

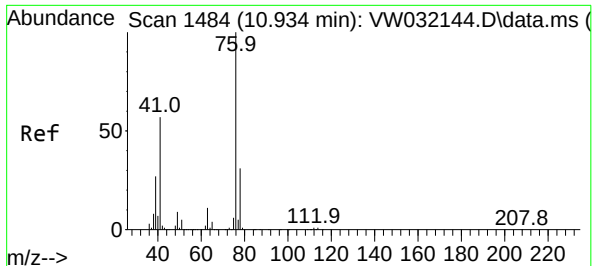
Ion Ratio Lower Upper

69 100

41 67.0 53.2 79.8

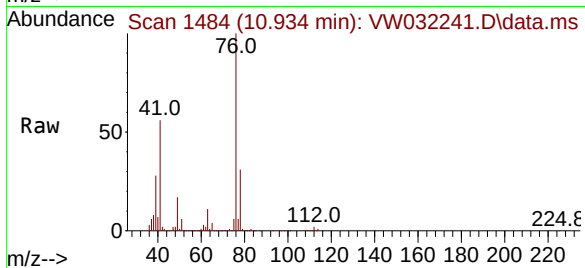
39 40.7 32.9 49.3





#57
1,3-Dichloropropane
Concen: 54.977 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

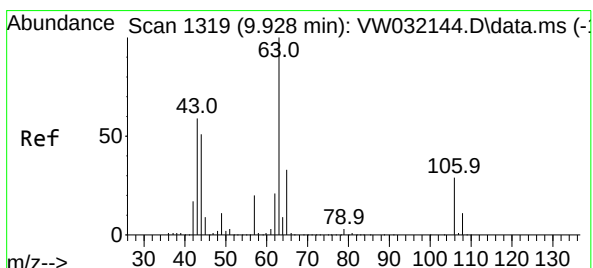
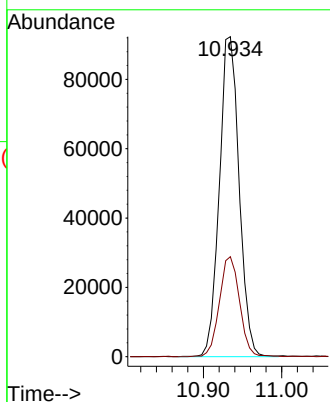
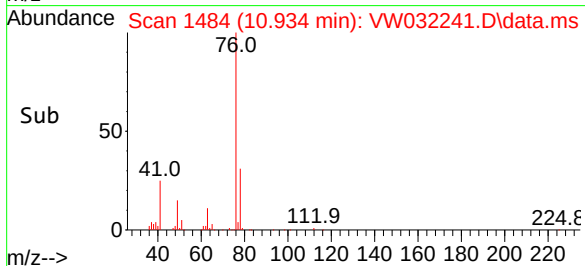
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 162268
Ion Ratio Lower Upper
76 100
78 31.8 26.2 39.4

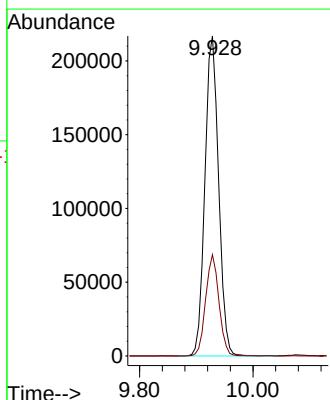
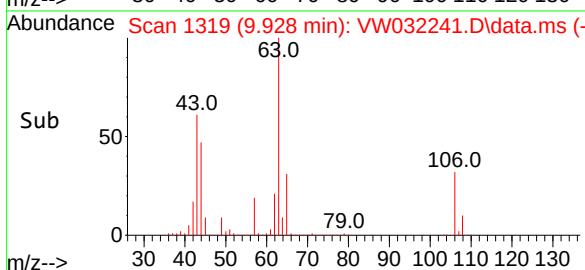
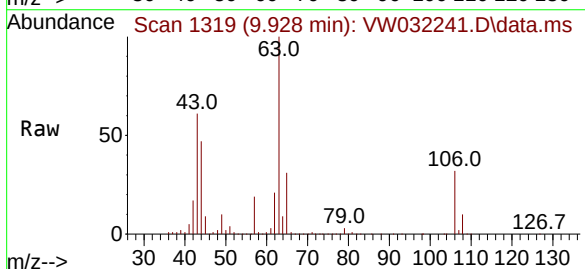
Manual Integrations
APPROVED

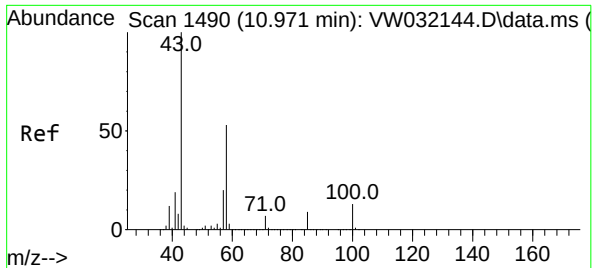
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#58
2-Chloroethyl Vinyl ether
Concen: 301.308 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion: 63 Resp: 362434
Ion Ratio Lower Upper
63 100
106 30.7 24.3 36.5





#59

2-Hexanone

Concen: 286.998 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 328975

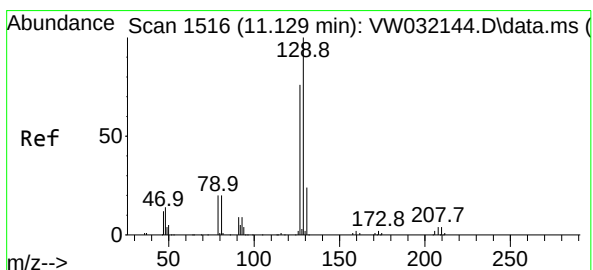
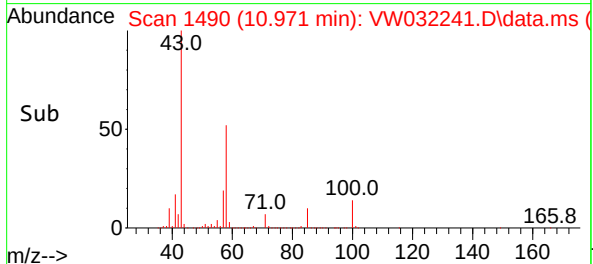
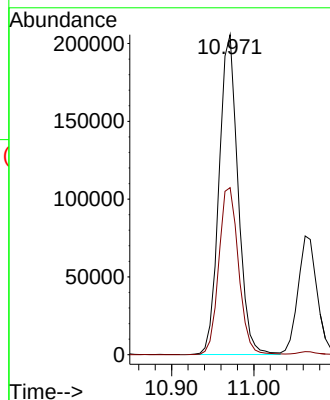
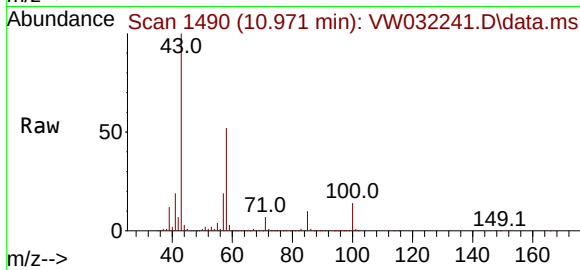
Ion Ratio Lower Upper

43 100

58 54.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#60

Dibromochloromethane

Concen: 56.950 ug/l

RT: 11.130 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032241.D

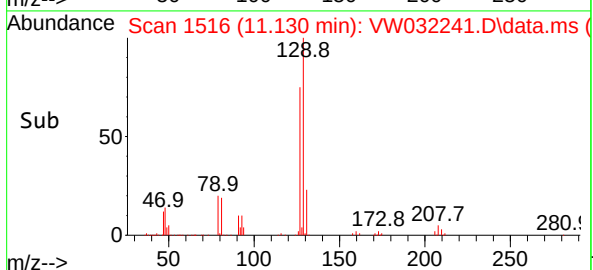
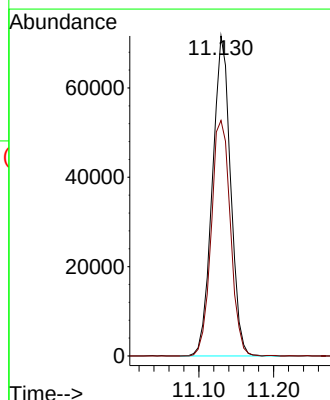
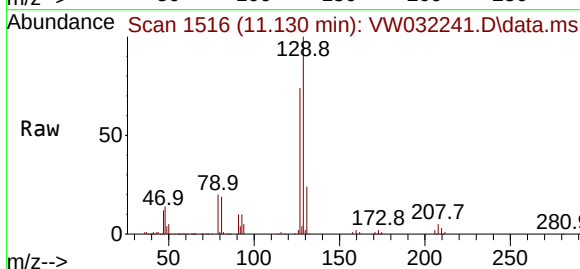
Acq: 24 Sep 2025 12:59

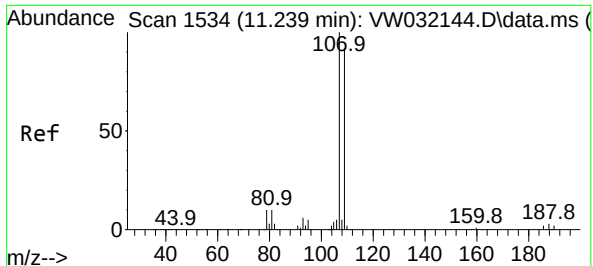
Tgt Ion:129 Resp: 121475

Ion Ratio Lower Upper

129 100

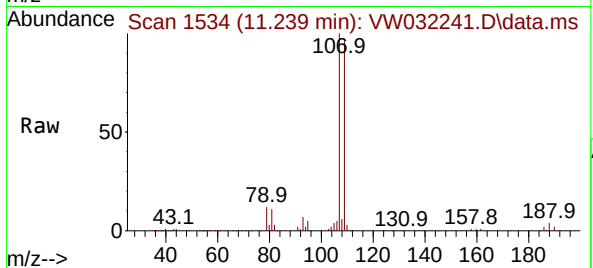
127 77.3 38.1 114.5





#61
1,2-Dibromoethane
Concen: 54.500 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

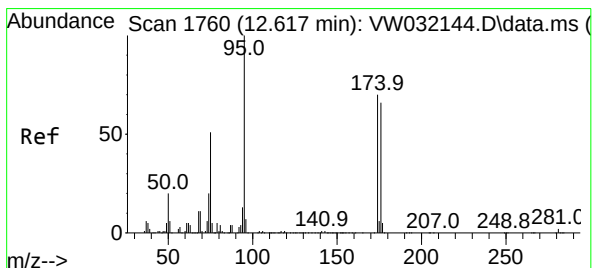
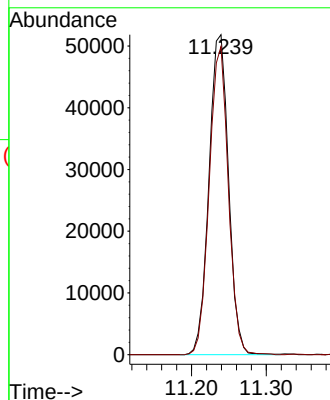
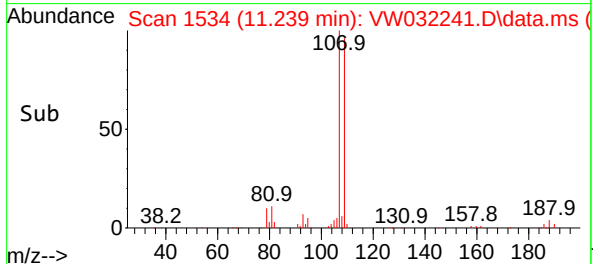
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 94474
Ion Ratio Lower Upper
107 100
109 93.9 74.5 111.7

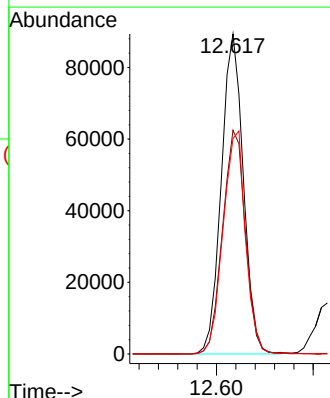
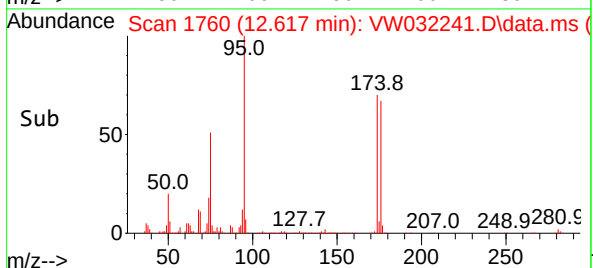
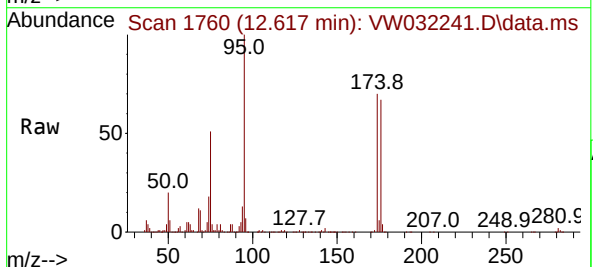
Manual Integrations
APPROVED

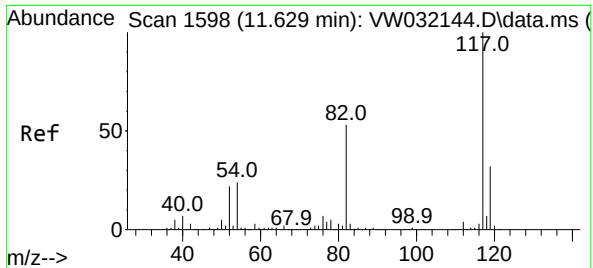
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#62
4-Bromofluorobenzene
Concen: 54.134 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

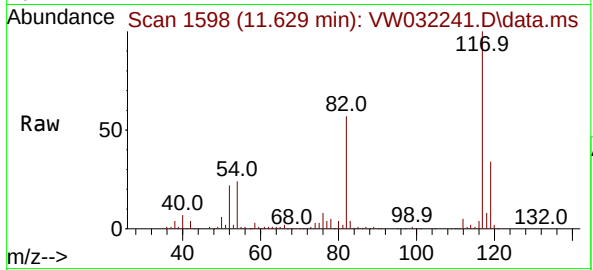
Tgt Ion: 95 Resp: 140573
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.6
176 71.1 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

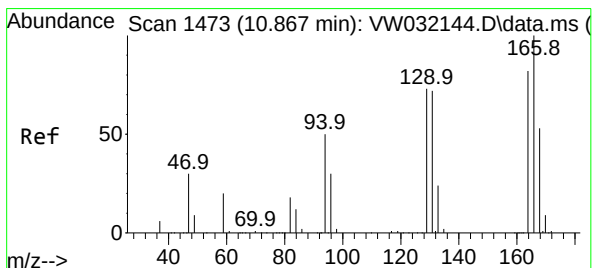
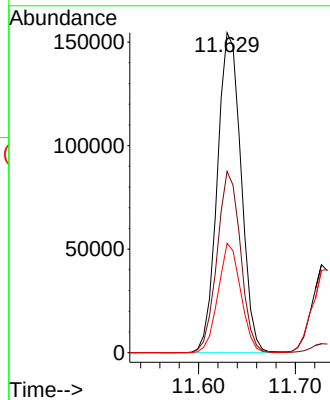
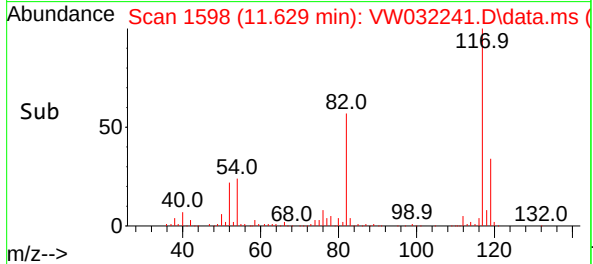
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



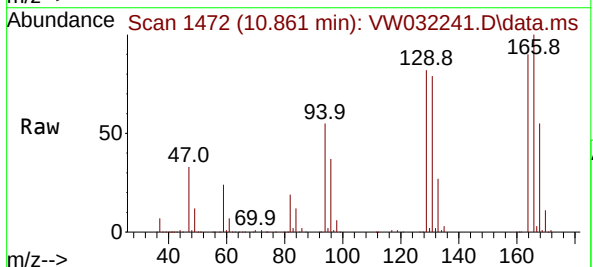
Tgt Ion:117 Resp: 26338
Ion Ratio Lower Upper
117 100
82 56.6 42.7 64.1
119 34.1 25.2 37.8

Manual Integrations
APPROVED

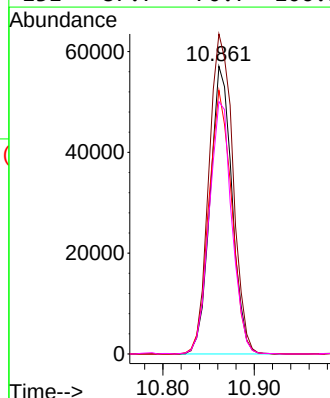
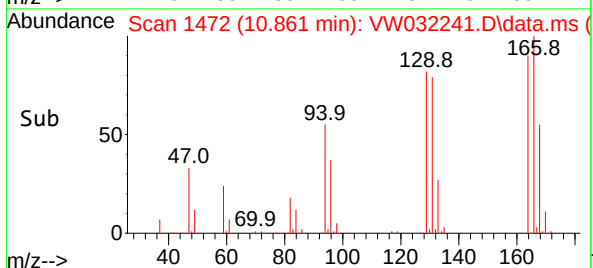
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

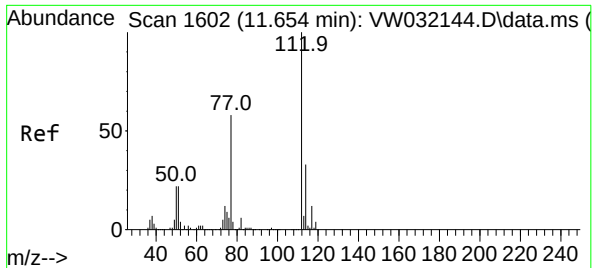


#64
Tetrachloroethene
Concen: 54.852 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



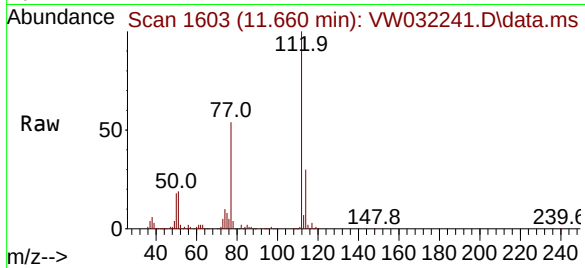
Tgt Ion:164 Resp: 95085
Ion Ratio Lower Upper
164 100
166 111.2 97.5 146.3
129 91.6 71.2 106.8
131 87.7 70.7 106.1





#65
Chlorobenzene
Concen: 54.349 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

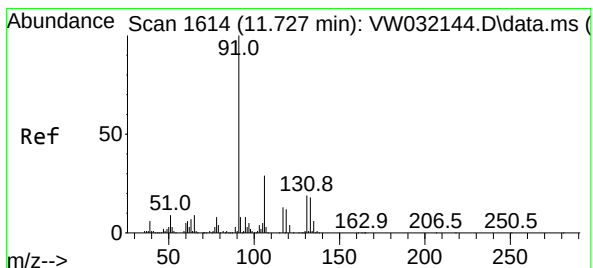
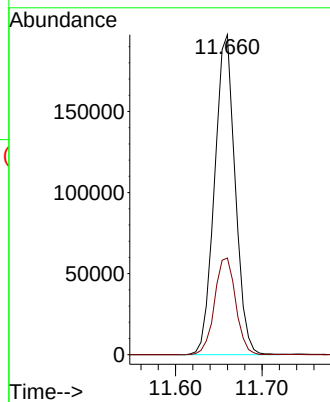
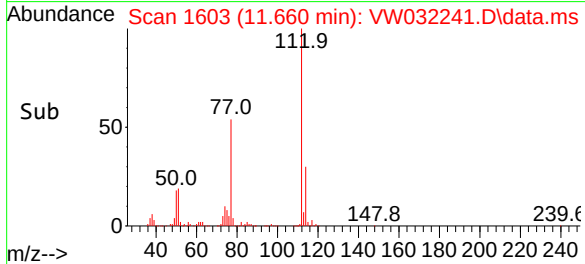
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



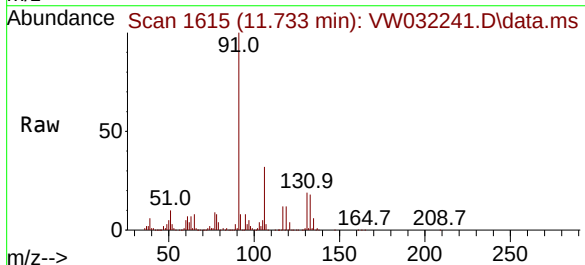
Tgt Ion:112 Resp: 325820
Ion Ratio Lower Upper
112 100
114 30.2 26.0 39.0

Manual Integrations
APPROVED

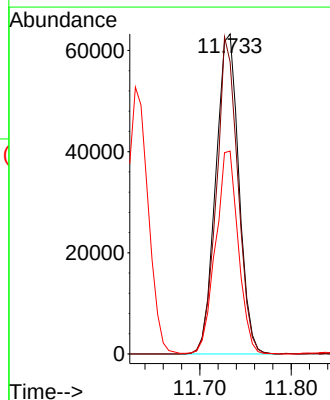
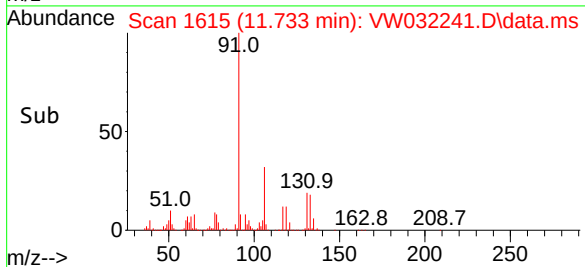
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

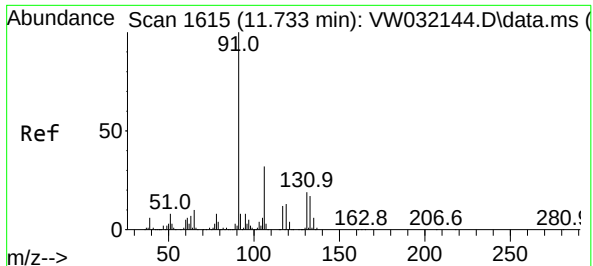


#66
1,1,1,2-Tetrachloroethane
Concen: 56.131 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



Tgt Ion:131 Resp: 110786
Ion Ratio Lower Upper
131 100
133 92.0 47.7 143.1
119 62.6 32.8 98.3





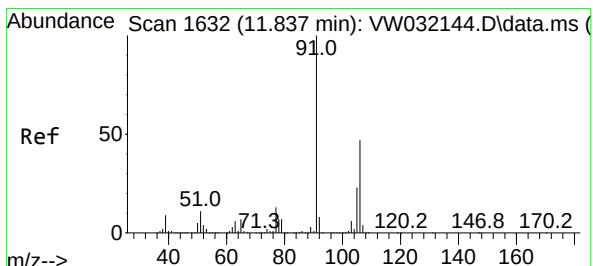
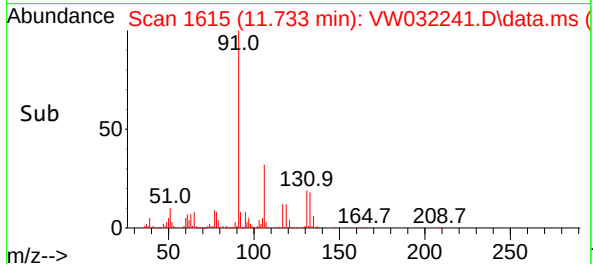
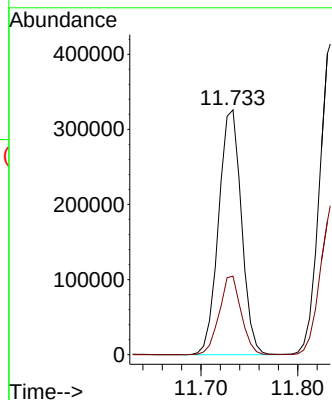
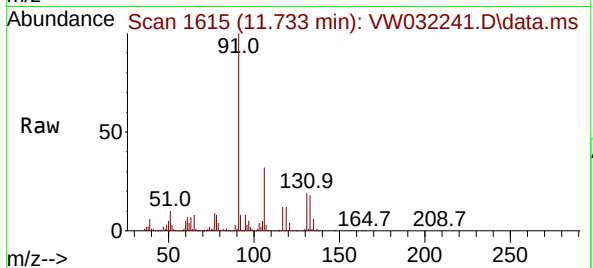
#67
Ethyl Benzene
Concen: 54.368 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 534019
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9

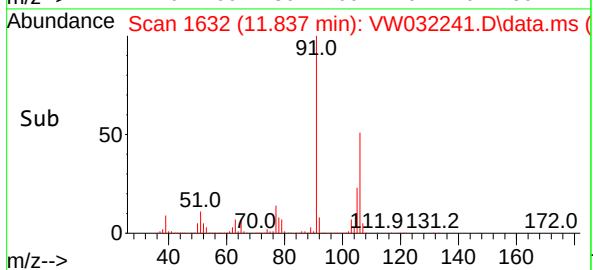
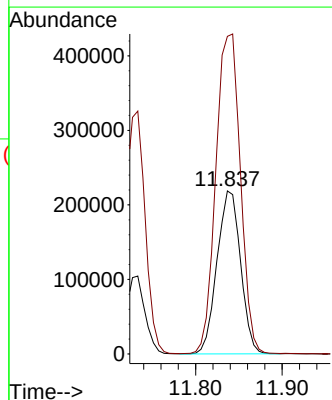
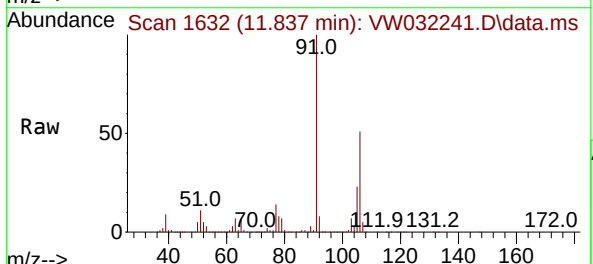
Manual Integrations
APPROVED

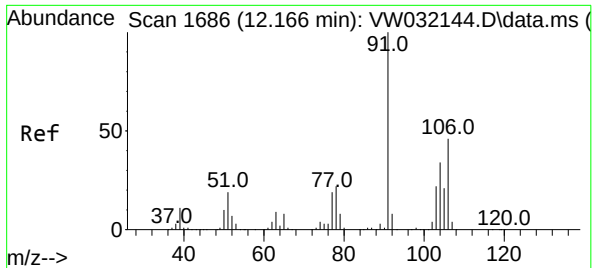
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#68
m/p-Xylenes
Concen: 109.038 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion:106 Resp: 412192
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.2





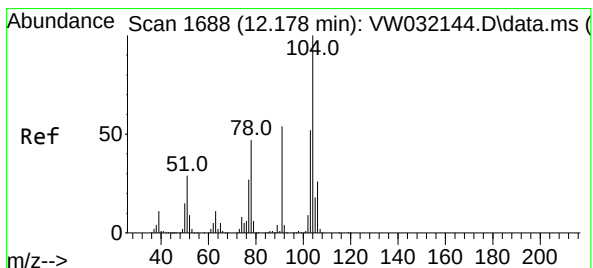
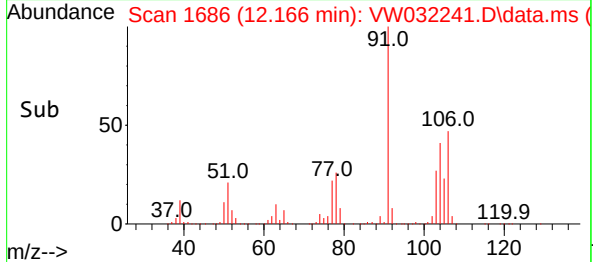
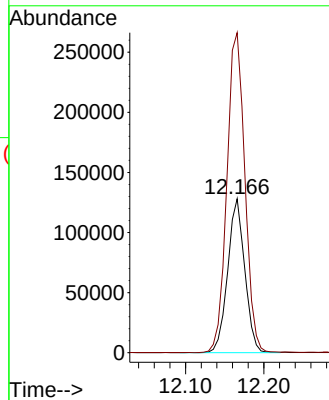
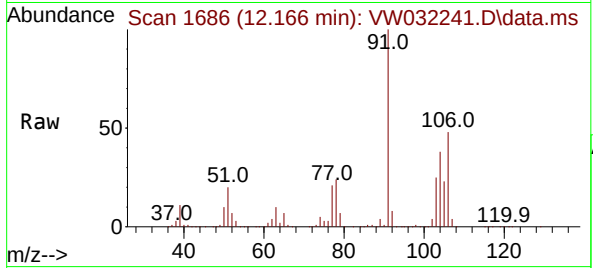
#69
o-Xylene
Concen: 54.277 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 194080
Ion Ratio Lower Upper
106 100
91 219.1 108.7 326.3

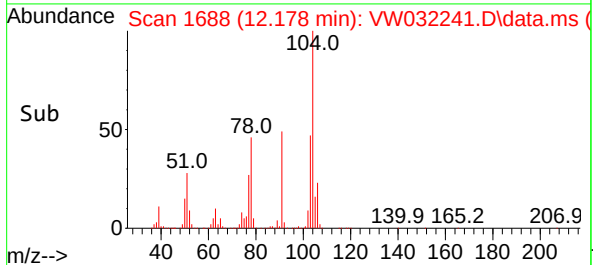
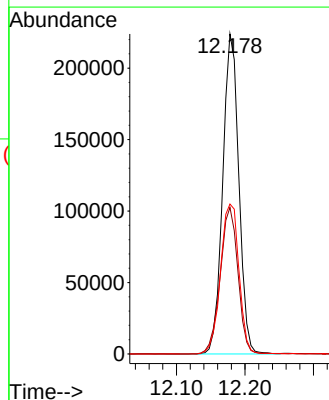
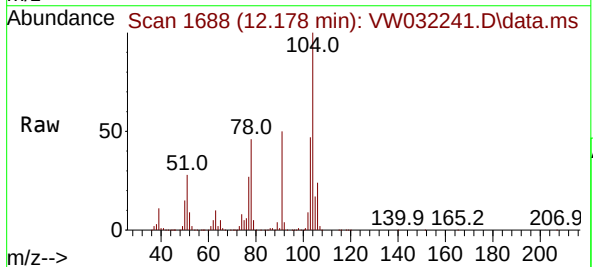
Manual Integrations
APPROVED

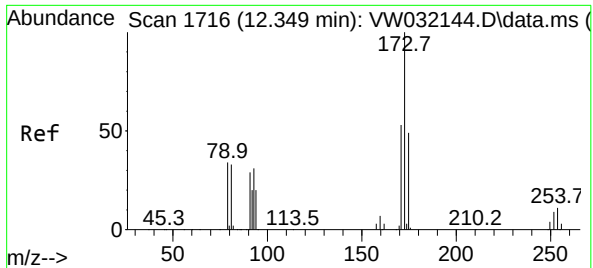
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#70
Styrene
Concen: 57.819 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

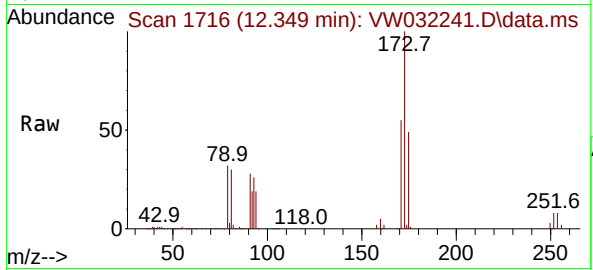
Tgt Ion:104 Resp: 364451
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 53.7 44.8 67.2





#71
Bromoform
Concen: 55.101 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

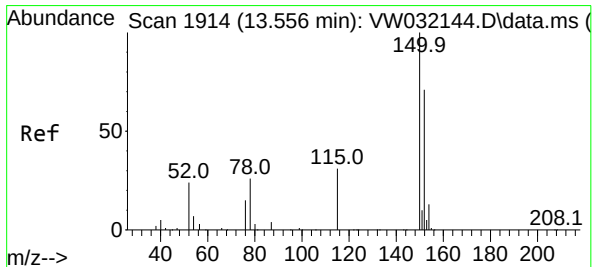
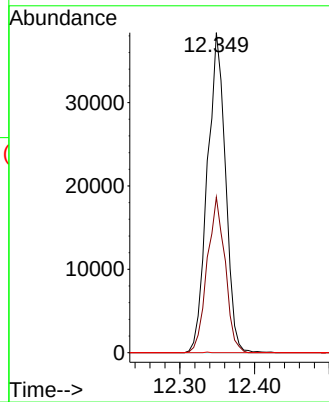
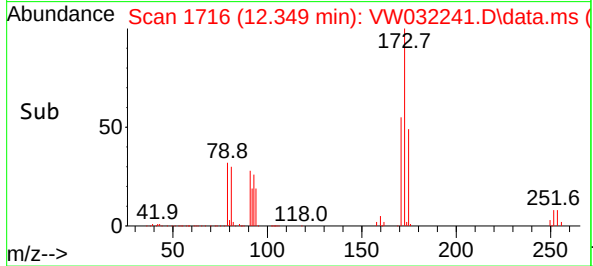
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



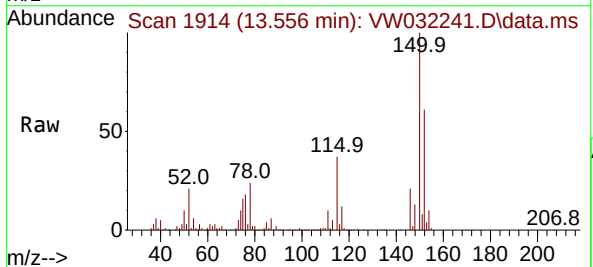
Tgt Ion:173 Resp: 64592
Ion Ratio Lower Upper
173 100
175 48.0 24.9 74.7
254 0.0 0.2 0.2

Manual Integrations
APPROVED

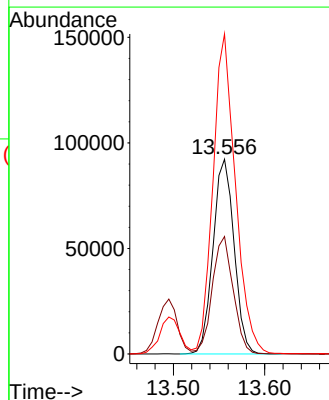
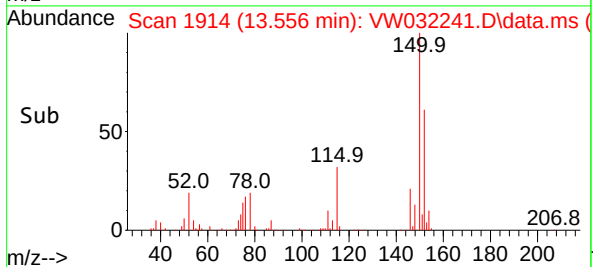
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

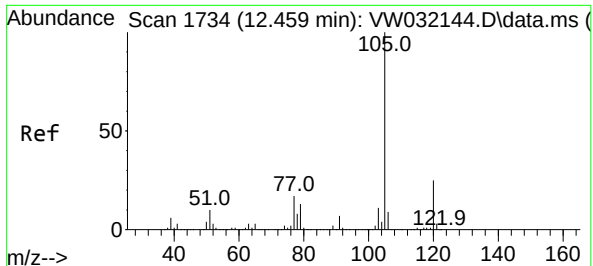


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



Tgt Ion:152 Resp: 147797
Ion Ratio Lower Upper
152 100
115 59.7 31.8 95.4
150 175.3 0.0 343.0





#73

Isopropylbenzene

Concen: 49.958 ug/l

RT: 12.465 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 501620

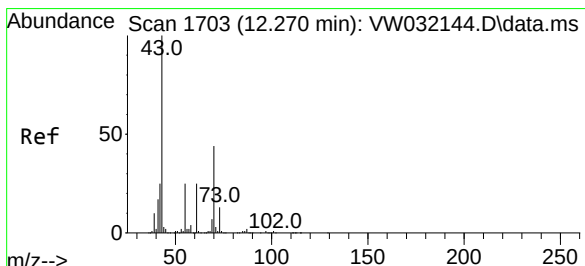
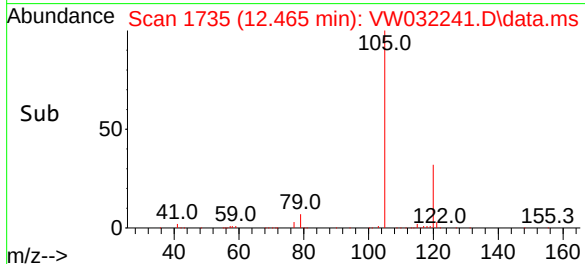
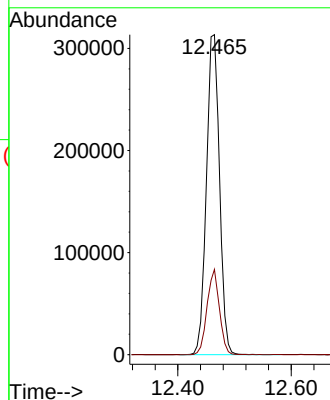
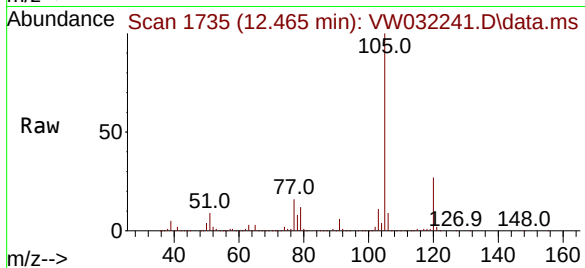
Ion Ratio Lower Upper

105 100

120 25.1 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#74

N-ethyl acetate

Concen: 47.441 ug/l

RT: 12.270 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion: 43 Resp: 138299

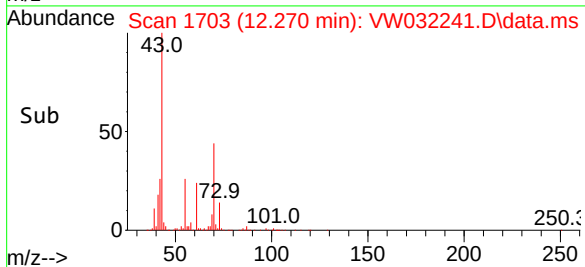
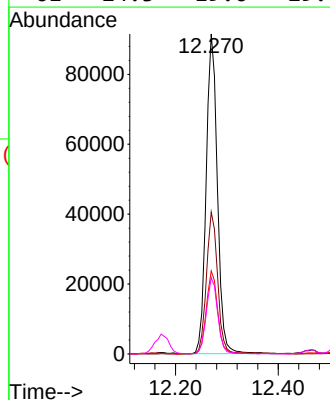
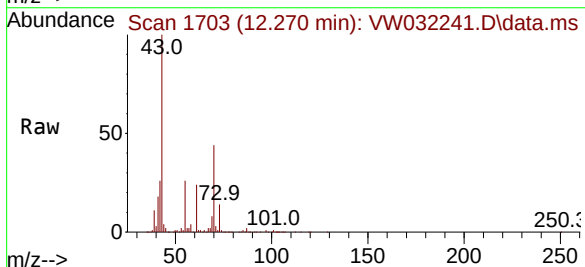
Ion Ratio Lower Upper

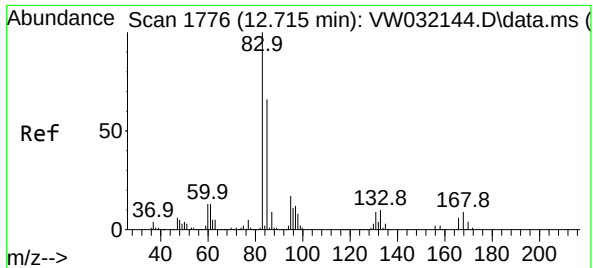
43 100

70 44.5 35.3 52.9

55 26.2 19.9 29.9

61 24.3 19.6 29.4





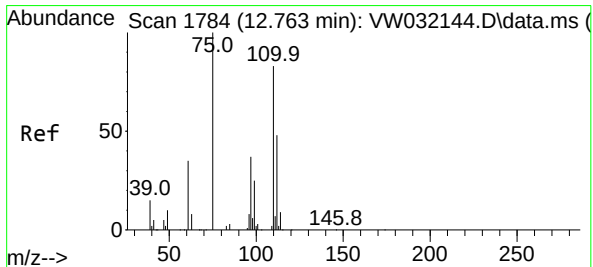
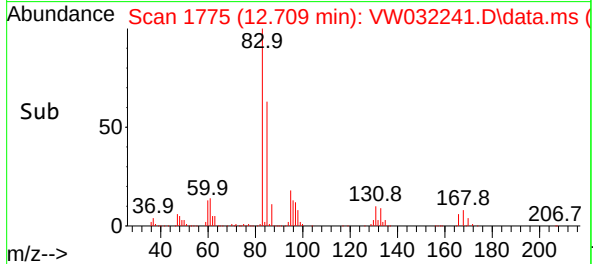
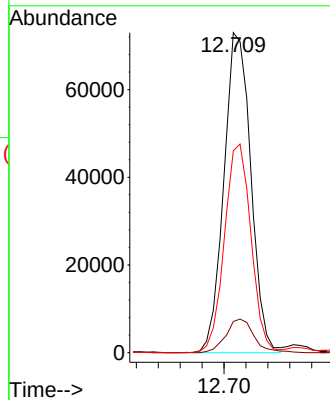
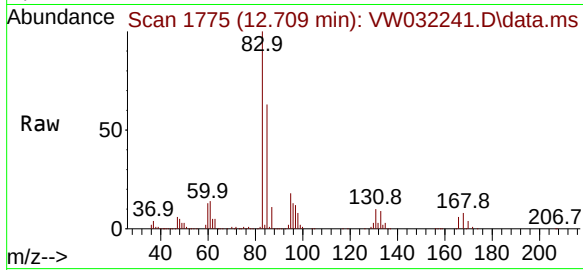
#75
1,1,2,2-Tetrachloroethane
Concen: 52.209 ug/l
RT: 12.709 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 12458
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.4
85 64.4 32.2 96.6

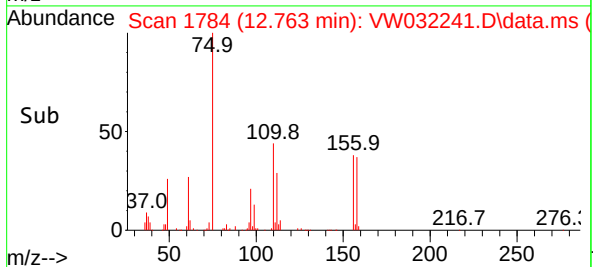
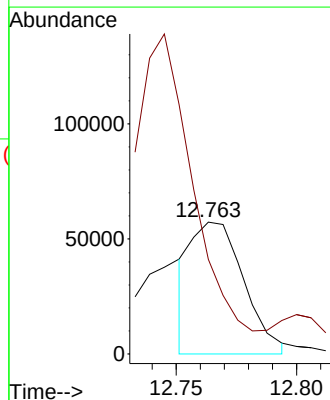
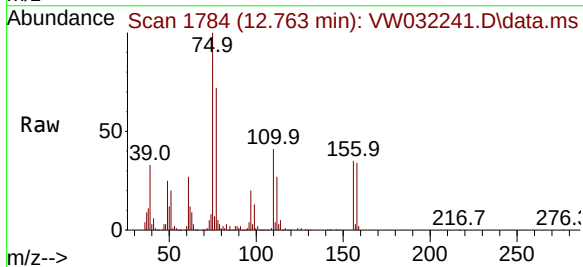
Manual Integrations
APPROVED

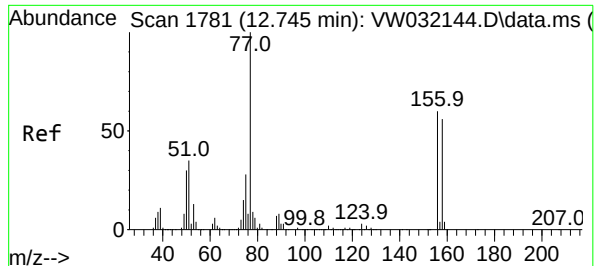
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#76
1,2,3-Trichloropropane
Concen: 47.302 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

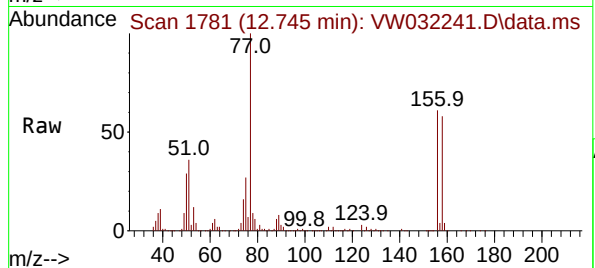
Tgt Ion: 75 Resp: 87585
Ion Ratio Lower Upper
75 100
77 288.3 141.7 425.1





#77
Bromobenzene
Concen: 51.857 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

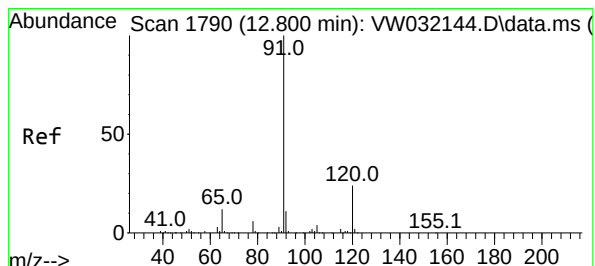
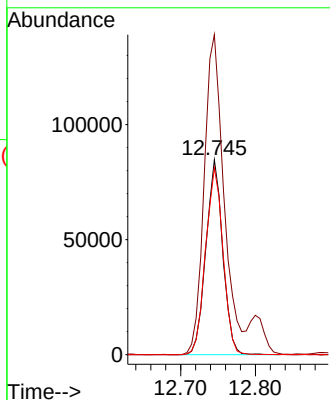
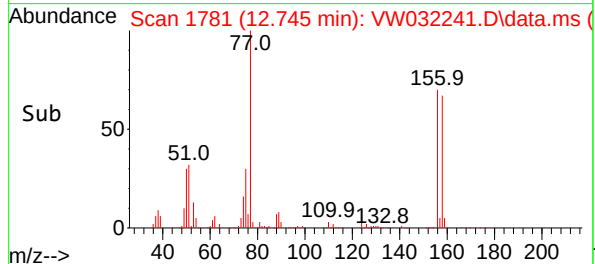
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



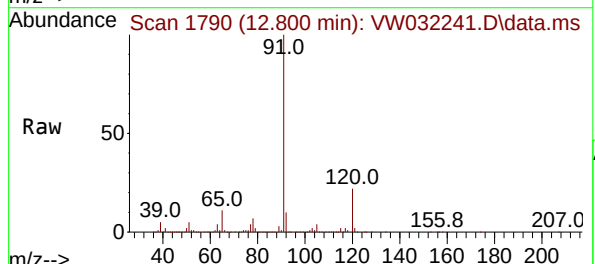
Tgt Ion:156 Resp: 132779
Ion Ratio Lower Upper
156 100
77 190.2 98.6 295.7
158 99.2 48.4 145.0

Manual Integrations
APPROVED

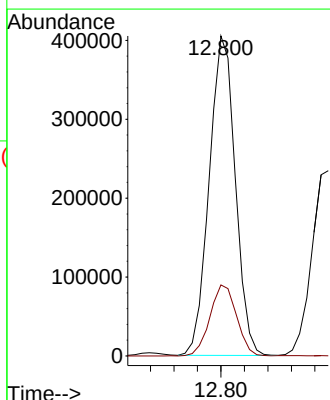
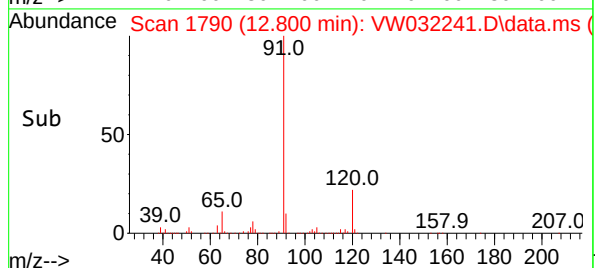
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

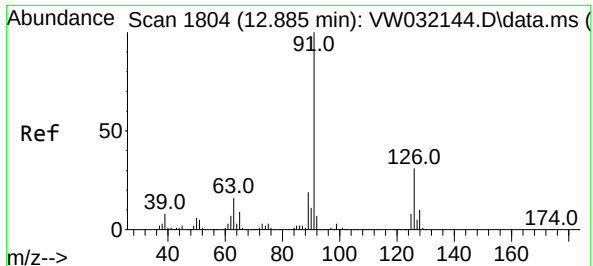


#78
n-propylbenzene
Concen: 51.197 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



Tgt Ion: 91 Resp: 624108
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4





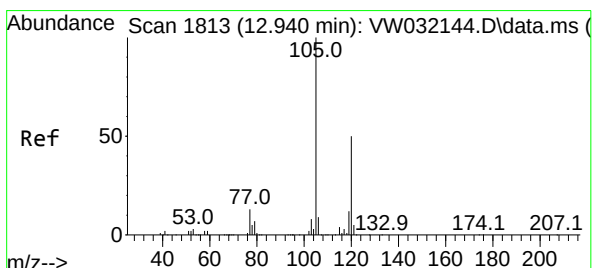
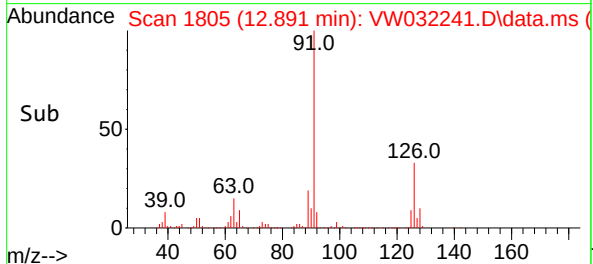
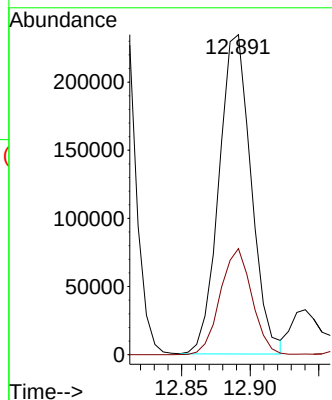
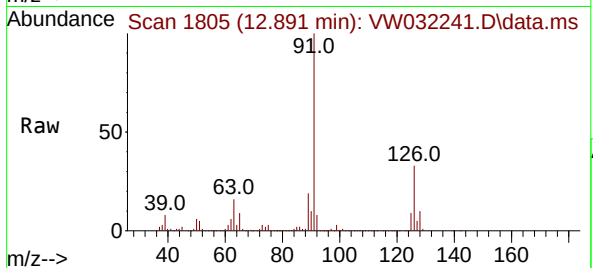
#79
2-Chlorotoluene
Concen: 51.459 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 383600
Ion Ratio Lower Upper
91 100
126 32.6 16.6 49.7

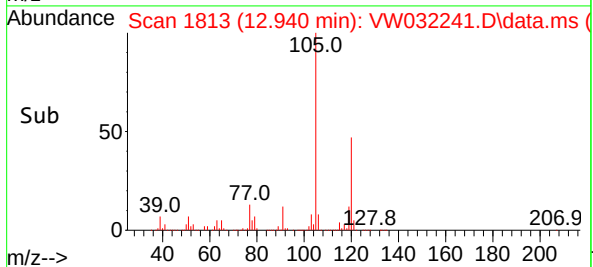
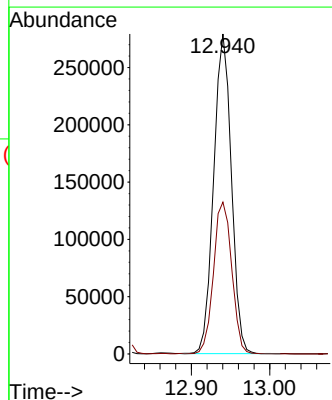
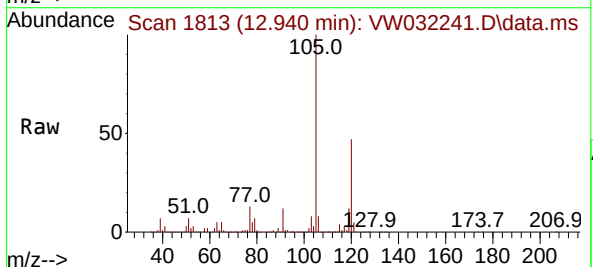
Manual Integrations
APPROVED

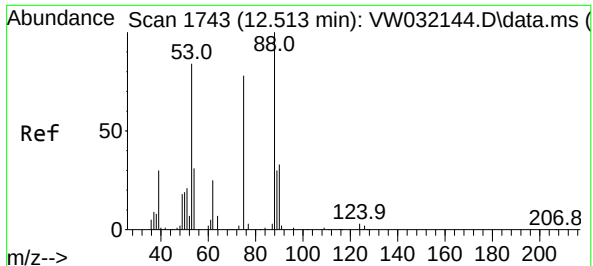
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.503 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

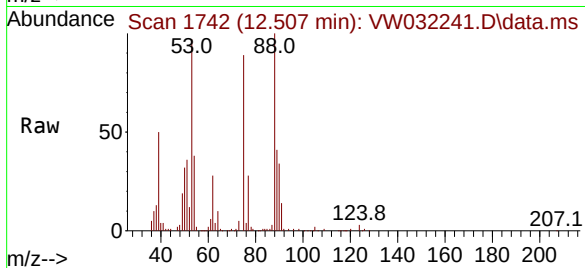
Tgt Ion:105 Resp: 437834
Ion Ratio Lower Upper
105 100
120 49.0 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.511 ug/l
RT: 12.507 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

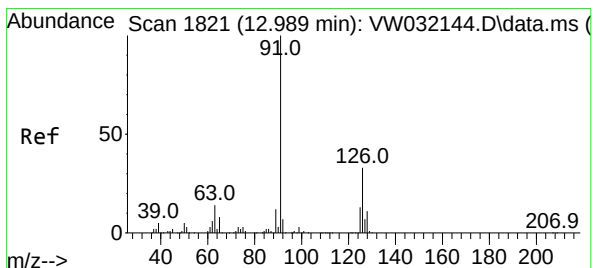
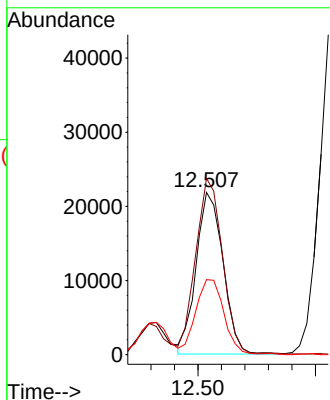
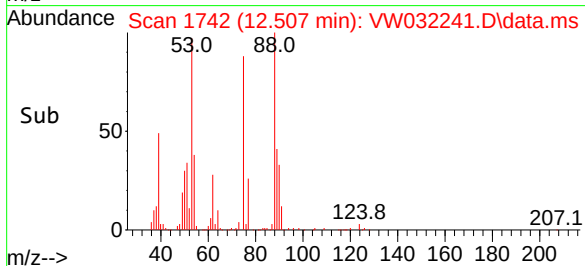
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 34730
Ion Ratio Lower Upper
75 100
53 107.4 91.0 136.6
89 49.1 39.4 59.2

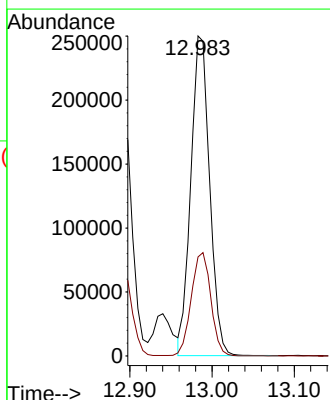
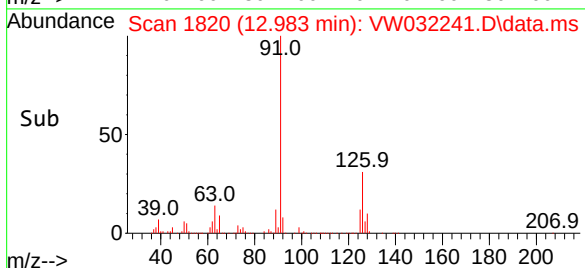
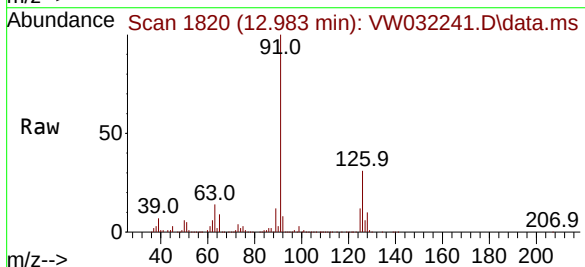
Manual Integrations
APPROVED

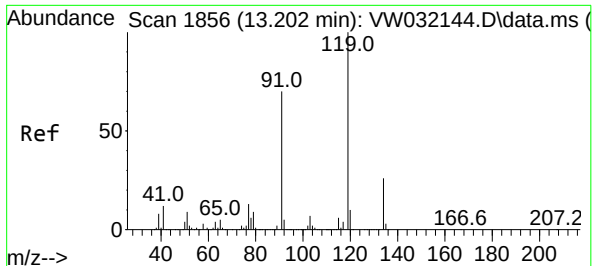
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#82
4-Chlorotoluene
Concen: 49.825 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

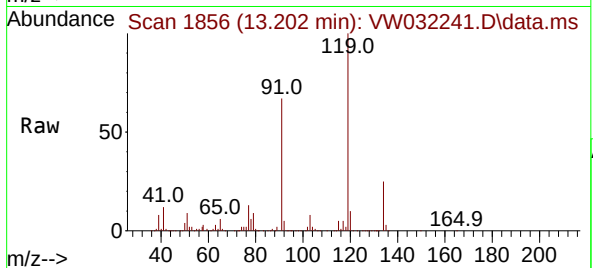
Tgt Ion: 91 Resp: 397572
Ion Ratio Lower Upper
91 100
126 33.6 16.1 48.2





#83
tert-Butylbenzene
Concen: 51.573 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

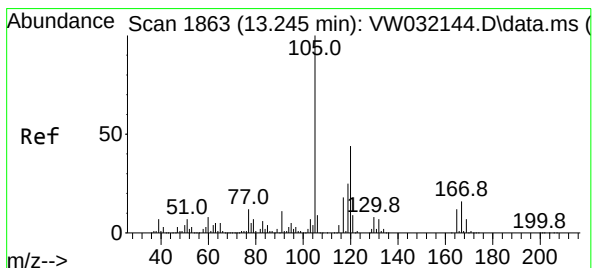
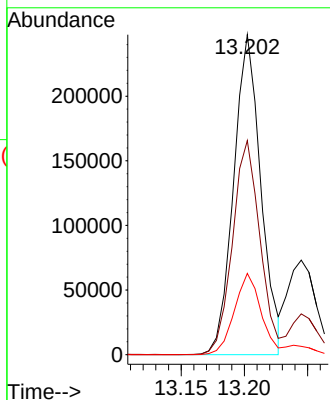
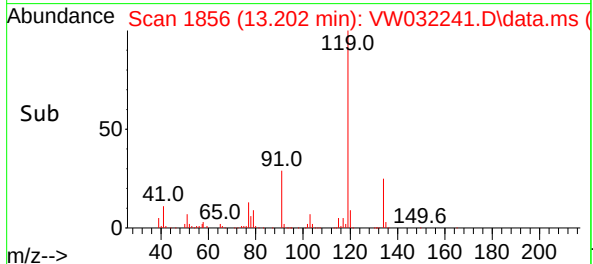
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



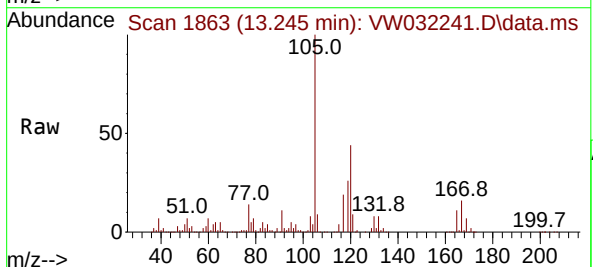
Tgt Ion:119 Resp: 37174
Ion Ratio Lower Upper
119 100
91 67.2 33.8 101.3
134 25.3 12.5 37.5

Manual Integrations
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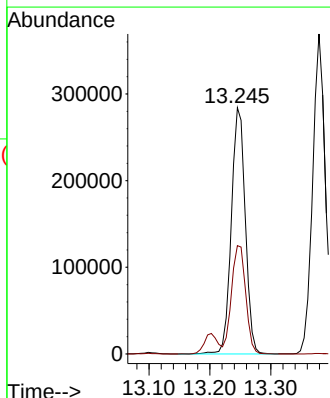
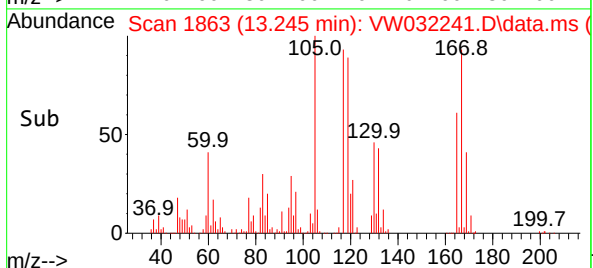
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

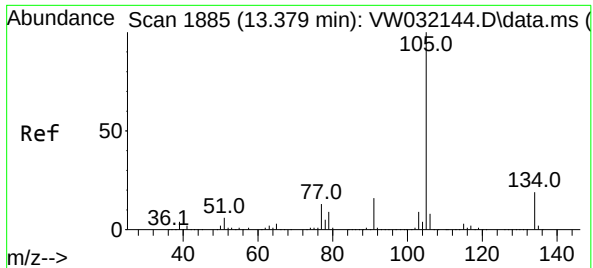


#84
1,2,4-Trimethylbenzene
Concen: 51.391 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



Tgt Ion:105 Resp: 451989
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.3





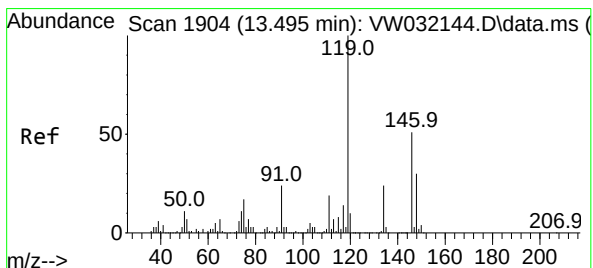
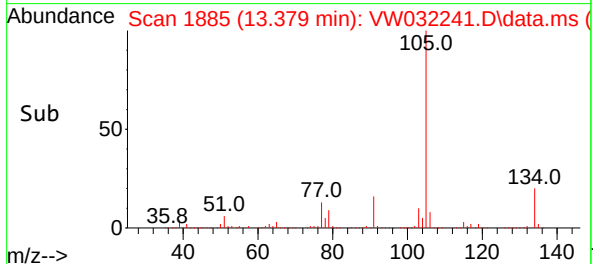
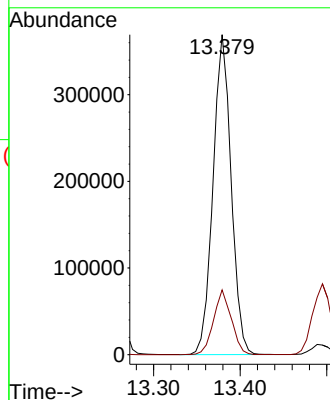
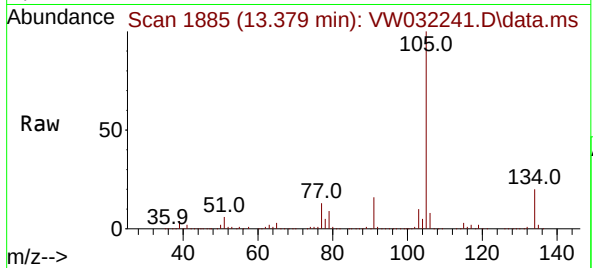
#85
sec-Butylbenzene
Concen: 49.932 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 53737
Ion Ratio Lower Upper
105 100
134 19.9 10.1 30.1

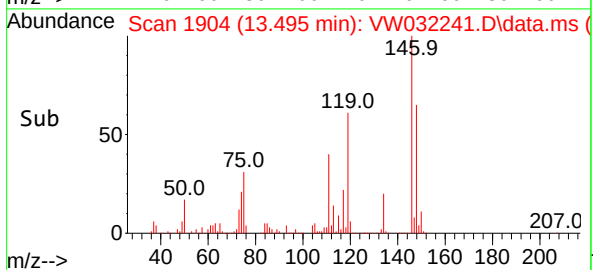
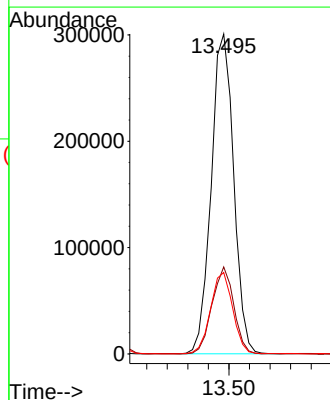
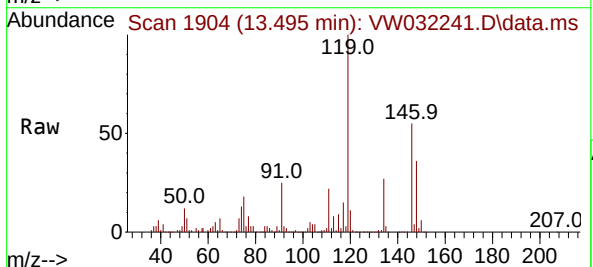
Manual Integrations
APPROVED

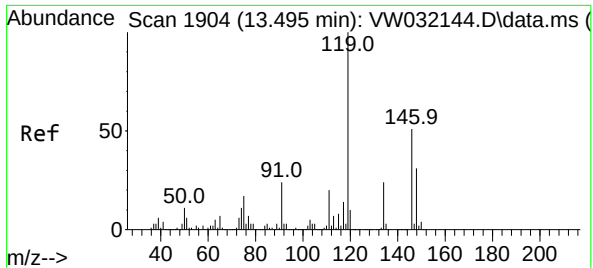
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#86
p-Isopropyltoluene
Concen: 49.723 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

Tgt Ion:119 Resp: 455074
Ion Ratio Lower Upper
119 100
134 26.4 12.6 37.6
91 25.1 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.020 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 257879

Ion Ratio Lower Upper

146 100

111 41.7 20.6 61.9

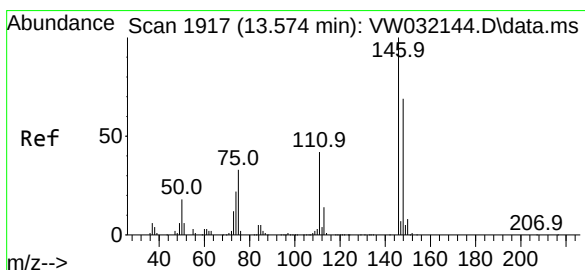
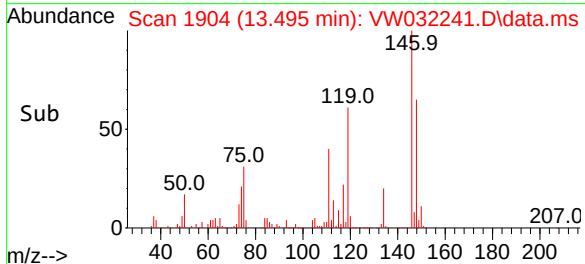
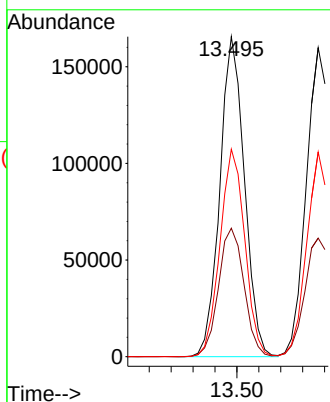
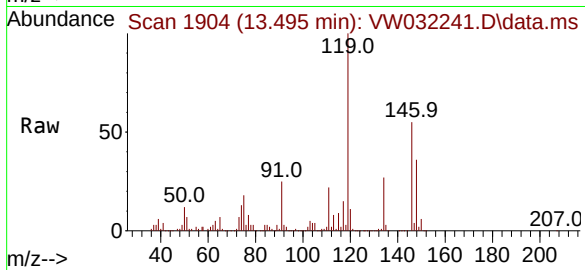
148 65.4 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#88

1,4-Dichlorobenzene

Concen: 50.395 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

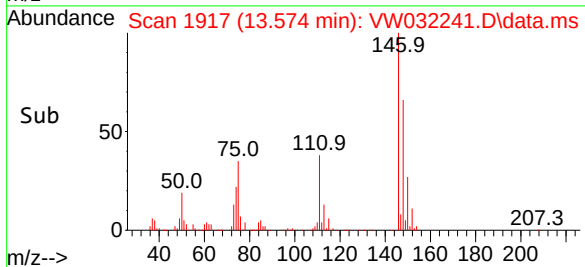
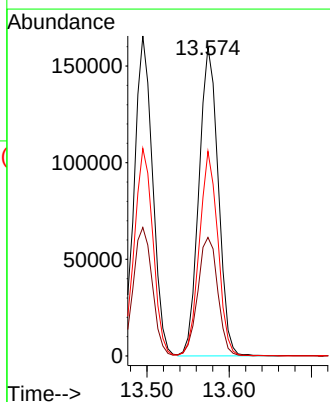
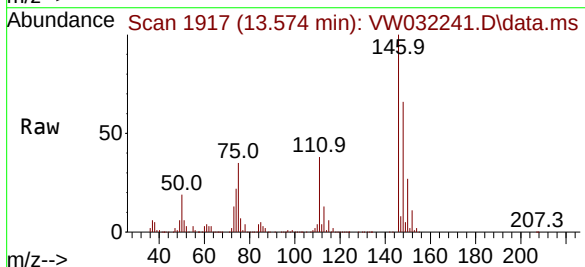
Tgt Ion:146 Resp: 260422

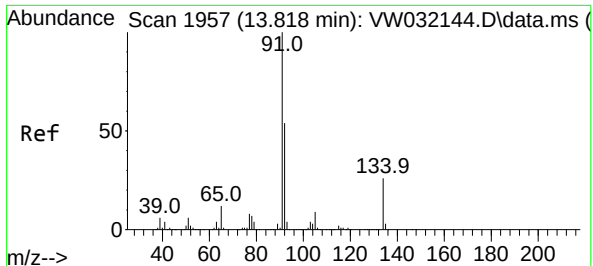
Ion Ratio Lower Upper

146 100

111 39.8 21.3 63.7

148 63.7 33.4 100.1





#89

n-Butylbenzene

Concen: 49.621 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

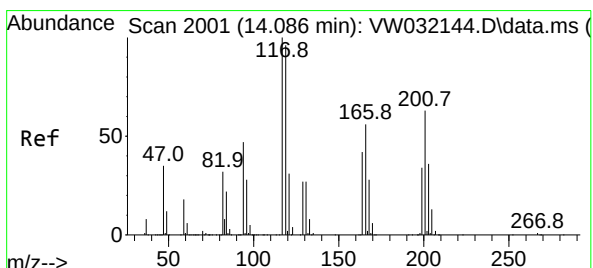
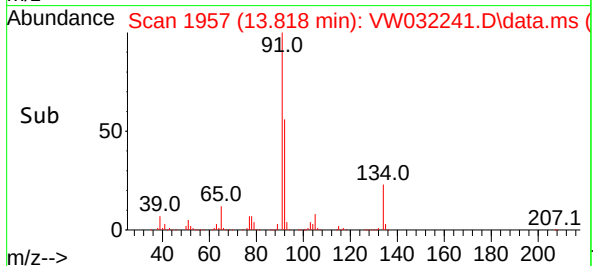
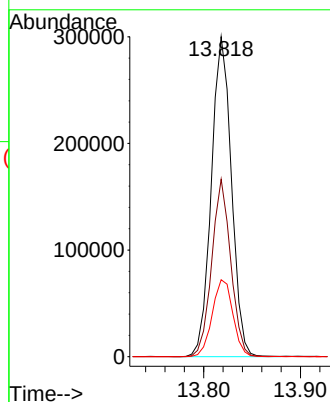
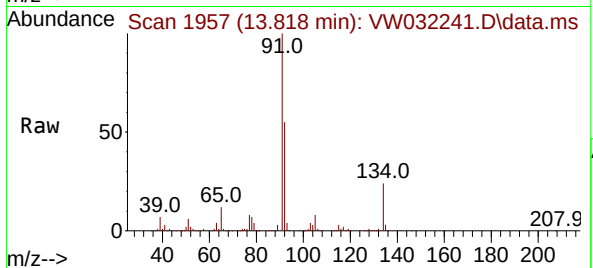
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	43296
Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.0	81.0
134	24.8	13.1	39.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#90

Hexachloroethane

Concen: 49.598 ug/l

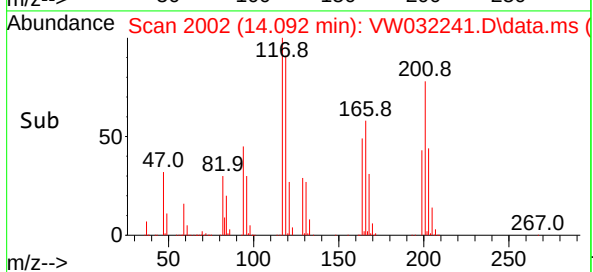
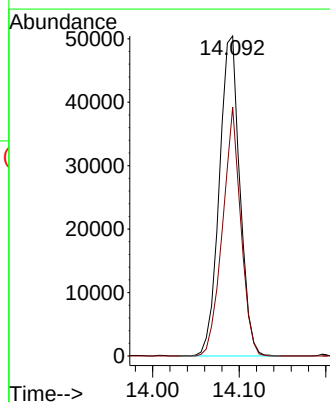
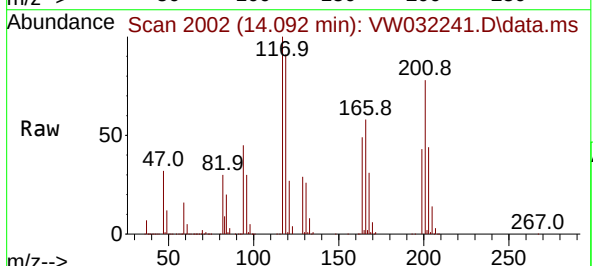
RT: 14.092 min Scan# 2002

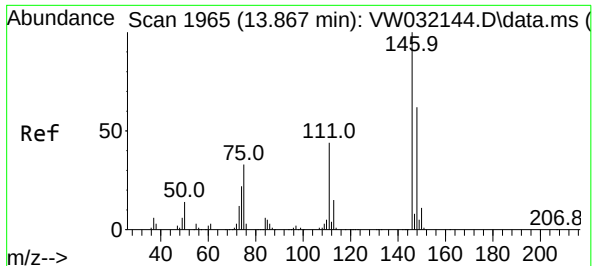
Delta R.T. 0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Tgt Ion:	117	Resp:	83029
Ion	Ratio	Lower	Upper
117	100		
201	69.2	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 52.711 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 240599

Ion Ratio Lower Upper

146 100

111 44.1 23.4 70.0

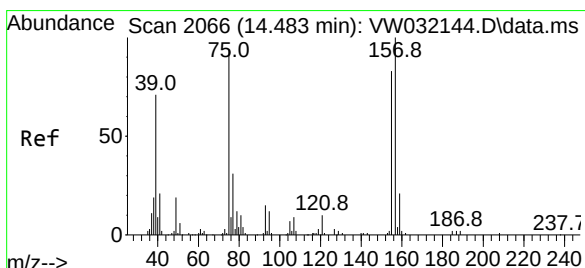
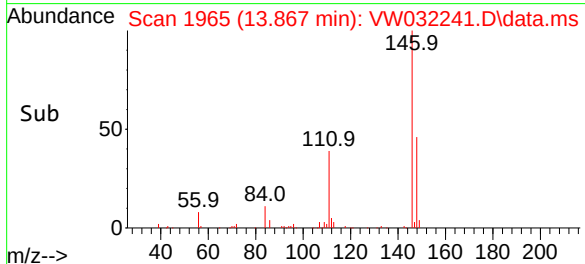
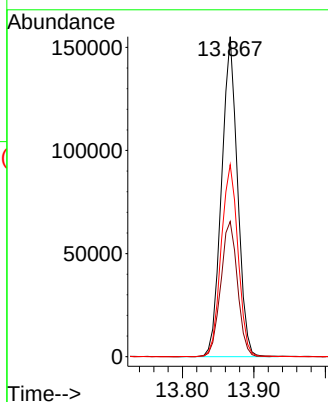
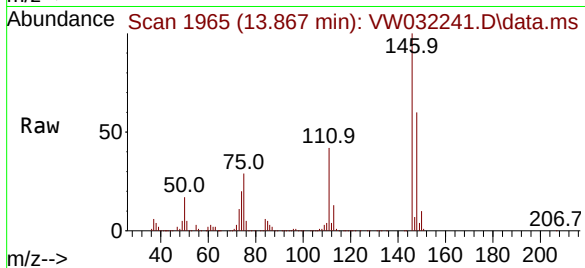
148 63.3 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.853 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

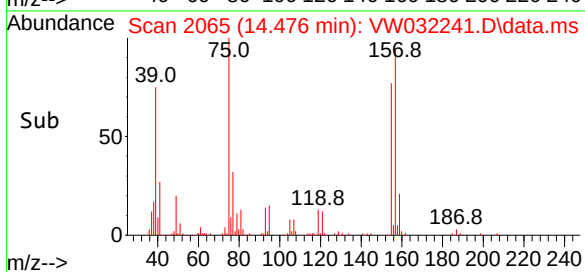
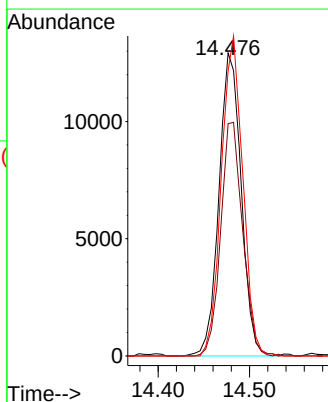
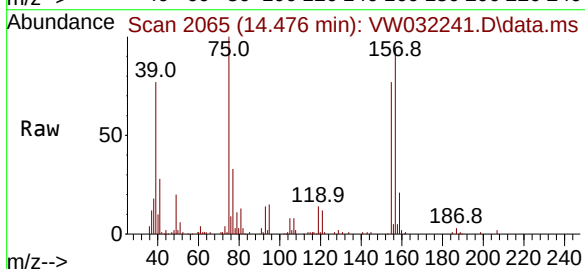
Tgt Ion: 75 Resp: 21859

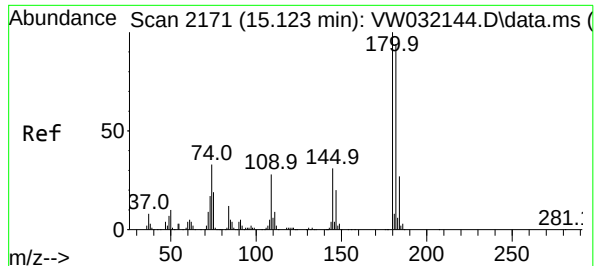
Ion Ratio Lower Upper

75 100

155 75.9 40.8 122.5

157 101.8 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 49.738 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 145050

Ion Ratio Lower Upper

180 100

182 94.1 47.4 142.2

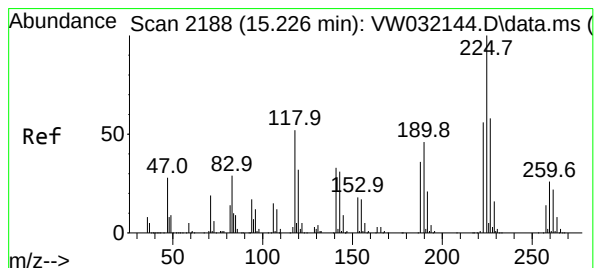
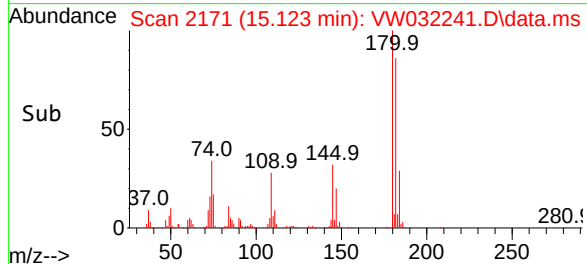
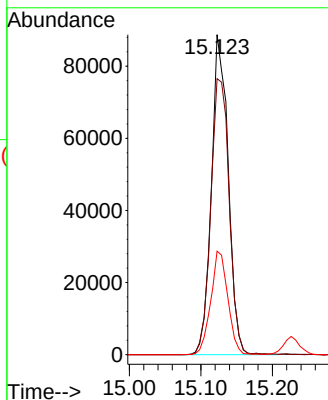
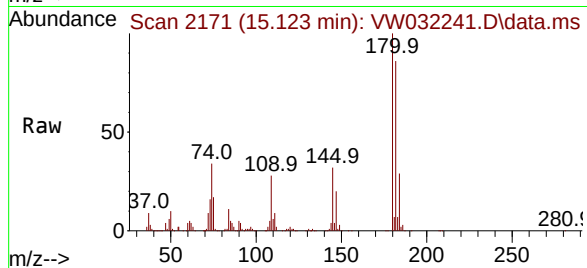
145 32.9 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#94

Hexachlorobutadiene

Concen: 46.895 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032241.D

Acq: 24 Sep 2025 12:59

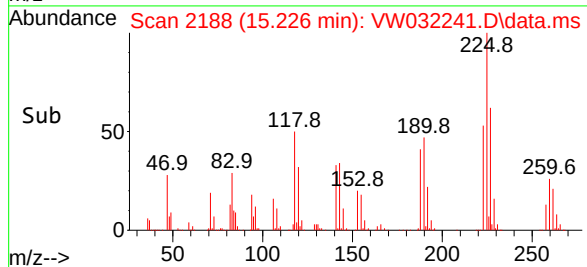
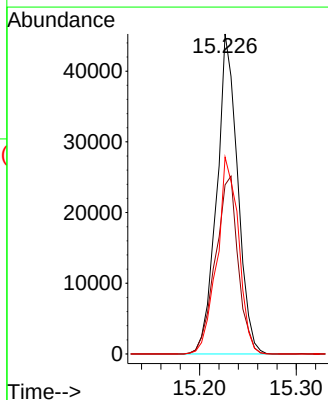
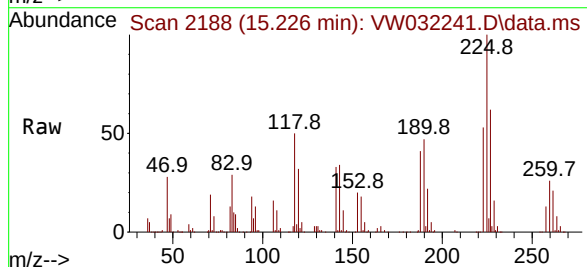
Tgt Ion:225 Resp: 67827

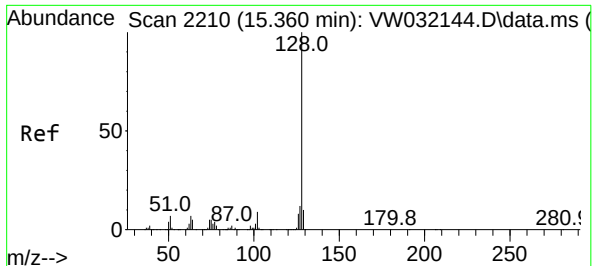
Ion Ratio Lower Upper

225 100

223 60.5 29.8 89.3

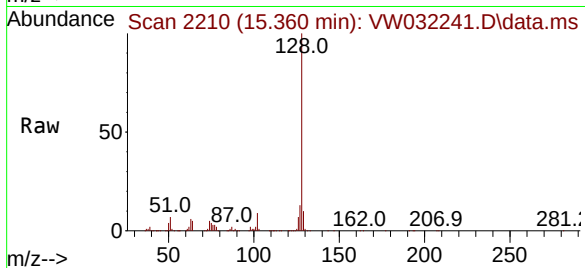
227 63.5 30.5 91.5





#95
Naphthalene
Concen: 51.582 ug/l
RT: 15.360 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59

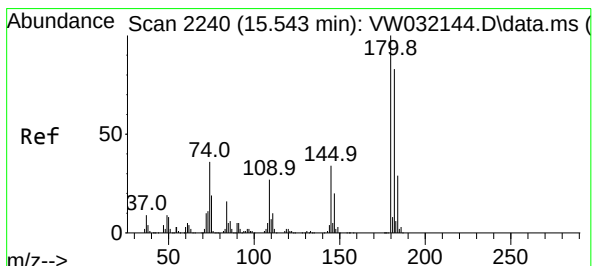
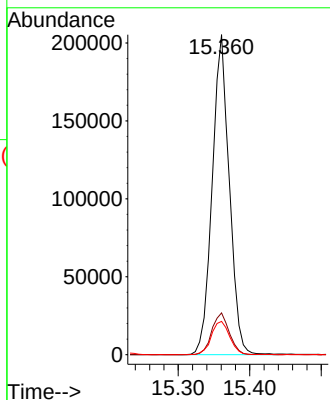
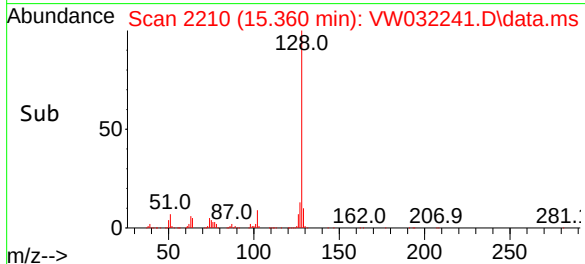
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



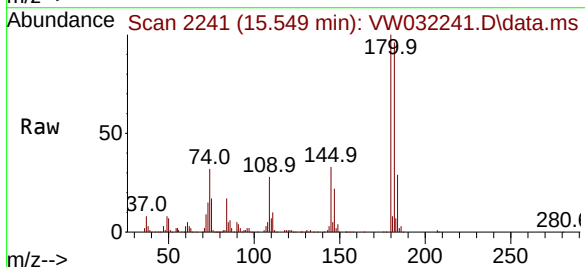
Tgt Ion:128 Resp: 34044
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.2 8.4 12.6

Manual Integrations
APPROVED

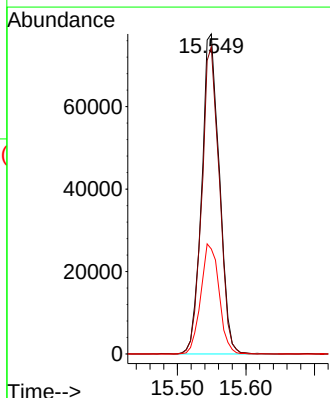
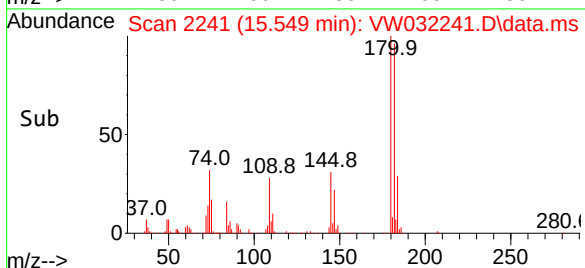
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.484 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032241.D
Acq: 24 Sep 2025 12:59



Tgt Ion:180 Resp: 139633
Ion Ratio Lower Upper
180 100
182 94.9 47.7 143.1
145 35.5 17.2 51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	77	0.00
2 T	Dichlorodifluoromethane	0.330	0.317	3.9	78	0.00
3 P	Chloromethane	0.346	0.321	7.2	72	0.00
4 C	Vinyl Chloride	0.450	0.448	0.4#	77	0.00
5 T	Bromomethane	0.401	0.401	0.0	82	0.00
6 T	Chloroethane	0.317	0.327	-3.2	79	0.00
7 T	Trichlorofluoromethane	0.445	0.400	10.1	64	0.00
8 T	Diethyl Ether	0.332	0.359	-8.1	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.502	0.534	-6.4	81	0.00
10 T	Methyl Iodide	0.764	0.816	-6.8	84	0.00
11 T	Tert butyl alcohol	0.044	0.043	2.3	74	0.00
12 CM	1,1-Dichloroethene	0.528	0.575	-8.9#	82	0.00
13 T	Acrolein	0.067	0.011	83.6#	12#	0.00
14 T	Allyl chloride	0.751	0.763	-1.6	76	0.00
15 T	Acrylonitrile	0.162	0.181	-11.7	85	0.00
16 T	Acetone	0.155	0.149	3.9	73	0.00
17 T	Carbon Disulfide	1.322	1.229	7.0	69	0.00
18 T	Methyl Acetate	0.493	0.721	-46.2#	107	0.00
19 T	Methyl tert-butyl Ether	0.998	1.103	-10.5	80	0.00
20 T	Methylene Chloride	0.725	0.676	6.8	81	-0.01
21 T	trans-1,2-Dichloroethene	0.590	0.634	-7.5	80	0.00
22 T	Diisopropyl ether	1.634	1.868	-14.3	84	0.00
23 T	Vinyl Acetate	1.111	1.143	-2.9	74	0.00
24 P	1,1-Dichloroethane	1.070	1.179	-10.2	82	0.00
25 T	2-Butanone	0.219	0.242	-10.5	82	0.00
26 T	2,2-Dichloropropane	0.566	0.567	-0.2	71	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.782	-8.9	81	0.00
28 T	Bromochloromethane	0.490	0.567	-15.7	89	0.00
29 T	Tetrahydrofuran	0.139	0.158	-13.7	85	0.00
30 C	Chloroform	1.221	1.367	-12.0#	84	0.00
31 T	Cyclohexane	0.878	0.812	7.5	72	0.00
32 T	1,1,1-Trichloroethane	0.891	0.977	-9.7	82	0.00
33 S	1,2-Dichloroethane-d4	0.715	0.796	-11.3	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.351	0.386	-10.0	90	0.00
36 T	1,1-Dichloropropene	0.455	0.469	-3.1	78	0.00
37 T	Ethyl Acetate	0.273	0.288	-5.5	82	0.00
38 T	Carbon Tetrachloride	0.488	0.497	-1.8	77	0.00
39 T	Methylcyclohexane	0.539	0.522	3.2	71	0.00
40 TM	Benzene	1.406	1.494	-6.3	83	0.00
41 T	Methacrylonitrile	0.152	0.161	-5.9	86	0.00
42 TM	1,2-Dichloroethane	0.487	0.528	-8.4	85	0.00
43 T	Isopropyl Acetate	0.512	0.532	-3.9	80	0.00
44 TM	Trichloroethene	0.354	0.364	-2.8	82	0.00
45 C	1,2-Dichloropropane	0.339	0.375	-10.6#	85	0.00
46 T	Dibromomethane	0.238	0.263	-10.5	89	0.00
47 T	Bromodichloromethane	0.540	0.599	-10.9	85	0.00
48 T	Methyl methacrylate	0.236	0.259	-9.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	91	0.00
50 S	Toluene-d8	1.231	1.317	-7.0	84	0.00
51 T	4-Methyl-2-Pentanone	0.289	0.331	-14.5	88	0.00
52 CM	Toluene	0.919	0.971	-5.7#	81	0.00
53 T	t-1,3-Dichloropropene	0.477	0.502	-5.2	79	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.581	-6.8	80	0.00
55 T	1,1,2-Trichloroethane	0.309	0.349	-12.9	91	0.00
56 T	Ethyl methacrylate	0.395	0.435	-10.1	81	0.00
57 T	1,3-Dichloropropane	0.518	0.569	-9.8	87	0.00
58 T	2-Chloroethyl Vinyl ether	0.211	0.254	-20.4	96	0.00
59 T	2-Hexanone	0.201	0.231	-14.9	87	0.00
60 T	Dibromochloromethane	0.374	0.426	-13.9	87	0.00
61 T	1,2-Dibromoethane	0.304	0.331	-8.9	84	0.00
62 S	4-Bromofluorobenzene	0.455	0.493	-8.4	85	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64 T	Tetrachloroethene	0.329	0.361	-9.7	85	0.00
65 PM	Chlorobenzene	1.138	1.237	-8.7	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.375	0.421	-12.3	87	0.00
67 C	Ethyl Benzene	1.865	2.028	-8.7#	83	0.00
68 T	m/p-Xylenes	0.718	0.782	-8.9	81	0.00
69 T	o-Xylene	0.679	0.737	-8.5	81	0.00
70 T	Styrene	1.197	1.384	-15.6	87	0.00
71 P	Bromoform	0.223	0.245	-9.9	86	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.397	3.394	0.1	82	0.00
74 T	N-amyl acetate	0.986	0.936	5.1	80	0.00
75 P	1,1,2,2-Tetrachloroethane	0.807	0.843	-4.5	90	0.00
76 T	1,2,3-Trichloropropane	0.626	0.593	5.3	85	0.00
77 T	Bromobenzene	0.866	0.898	-3.7	86	0.00
78 T	n-propylbenzene	4.124	4.223	-2.4	84	0.00
79 T	2-Chlorotoluene	2.522	2.595	-2.9	86	0.00
80 T	1,3,5-Trimethylbenzene	2.876	2.962	-3.0	84	0.00
81 T	trans-1,4-Dichloro-2-butene	0.233	0.235	-0.9	82	0.00
82 T	4-Chlorotoluene	2.699	2.690	0.3	82	0.00
83 T	tert-Butylbenzene	2.439	2.515	-3.1	81	0.00
84 T	1,2,4-Trimethylbenzene	2.975	3.058	-2.8	83	0.00
85 T	sec-Butylbenzene	3.641	3.636	0.1	80	0.00
86 T	p-Isopropyltoluene	3.096	3.079	0.5	80	0.00
87 T	1,3-Dichlorobenzene	1.744	1.745	-0.1	84	0.00
88 T	1,4-Dichlorobenzene	1.748	1.762	-0.8	88	0.00
89 T	n-Butylbenzene	2.952	2.929	0.8	80	0.00
90 T	Hexachloroethane	0.566	0.562	0.7	84	0.00
91 T	1,2-Dichlorobenzene	1.544	1.628	-5.4	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.143	0.148	-3.5	92	0.00
93 T	1,2,4-Trichlorobenzene	0.987	0.981	0.6	82	0.00
94 T	Hexachlorobutadiene	0.489	0.459	6.1	75	0.00
95 T	Naphthalene	2.233	2.303	-3.1	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.945	-2.9	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	77	0.00
2 T	Dichlorodifluoromethane	50.000	47.960	4.1	78	0.00
3 P	Chloromethane	50.000	46.393	7.2	72	0.00
4 C	Vinyl Chloride	50.000	49.779	0.4#	77	0.00
5 T	Bromomethane	50.000	49.968	0.1	82	0.00
6 T	Chloroethane	50.000	51.688	-3.4	79	0.00
7 T	Trichlorofluoromethane	50.000	44.928	10.1	64	0.00
8 T	Diethyl Ether	50.000	53.933	-7.9	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.255	-6.5	81	0.00
10 T	Methyl Iodide	50.000	53.404	-6.8	84	0.00
11 T	Tert butyl alcohol	250.000	244.370	2.3	74	0.00
12 CM	1,1-Dichloroethene	50.000	54.413	-8.8#	82	0.00
13 T	Acrolein	250.000	39.297	84.3#	12	0.00
14 T	Allyl chloride	50.000	50.809	-1.6	76	0.00
15 T	Acrylonitrile	250.000	280.449	-12.2	85	0.00
16 T	Acetone	250.000	240.461	3.8	73	0.00
17 T	Carbon Disulfide	50.000	46.511	7.0	69	0.00
18 T	Methyl Acetate	50.000	73.062	-46.1#	107	0.00
19 T	Methyl tert-butyl Ether	50.000	55.278	-10.6	80	0.00
20 T	Methylene Chloride	50.000	53.735	-7.5	81	-0.01
21 T	trans-1,2-Dichloroethene	50.000	53.663	-7.3	80	0.00
22 T	Diisopropyl ether	50.000	57.180	-14.4	84	0.00
23 T	Vinyl Acetate	250.000	257.319	-2.9	74	0.00
24 P	1,1-Dichloroethane	50.000	55.131	-10.3	82	0.00
25 T	2-Butanone	250.000	276.147	-10.5	82	0.00
26 T	2,2-Dichloropropane	50.000	50.059	-0.1	71	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.445	-8.9	81	0.00
28 T	Bromochloromethane	50.000	57.881	-15.8	89	0.00
29 T	Tetrahydrofuran	250.000	284.070	-13.6	85	0.00
30 C	Chloroform	50.000	55.991	-12.0#	84	0.00
31 T	Cyclohexane	50.000	46.256	7.5	72	0.00
32 T	1,1,1-Trichloroethane	50.000	54.804	-9.6	82	0.00
33 S	1,2-Dichloroethane-d4	50.000	55.644	-11.3	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	54.956	-9.9	90	0.00
36 T	1,1-Dichloropropene	50.000	51.535	-3.1	78	0.00
37 T	Ethyl Acetate	50.000	52.826	-5.7	82	0.00
38 T	Carbon Tetrachloride	50.000	50.993	-2.0	77	0.00
39 T	Methylcyclohexane	50.000	48.484	3.0	71	0.00
40 TM	Benzene	50.000	53.147	-6.3	83	0.00
41 T	Methacrylonitrile	50.000	53.025	-6.0	86	0.00
42 TM	1,2-Dichloroethane	50.000	54.171	-8.3	85	0.00
43 T	Isopropyl Acetate	50.000	51.995	-4.0	80	0.00
44 TM	Trichloroethene	50.000	51.462	-2.9	82	0.00
45 C	1,2-Dichloropropane	50.000	55.313	-10.6#	85	0.00
46 T	Dibromomethane	50.000	55.381	-10.8	89	0.00
47 T	Bromodichloromethane	50.000	55.409	-10.8	85	0.00
48 T	Methyl methacrylate	50.000	54.816	-9.6	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1173.130	-17.3	91	0.00
50 S	Toluene-d8	50.000	53.487	-7.0	84	0.00
51 T	4-Methyl-2-Pentanone	250.000	286.239	-14.5	88	0.00
52 CM	Toluene	50.000	52.868	-5.7#	81	0.00
53 T	t-1,3-Dichloropropene	50.000	52.661	-5.3	79	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.380	-6.8	80	0.00
55 T	1,1,2-Trichloroethane	50.000	56.440	-12.9	91	0.00
56 T	Ethyl methacrylate	50.000	55.068	-10.1	81	0.00
57 T	1,3-Dichloropropane	50.000	54.977	-10.0	87	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	301.308	-20.5	96	0.00
59 T	2-Hexanone	250.000	286.998	-14.8	87	0.00
60 T	Dibromochloromethane	50.000	56.950	-13.9	87	0.00
61 T	1,2-Dibromoethane	50.000	54.500	-9.0	84	0.00
62 S	4-Bromofluorobenzene	50.000	54.134	-8.3	85	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64 T	Tetrachloroethene	50.000	54.852	-9.7	85	0.00
65 PM	Chlorobenzene	50.000	54.349	-8.7	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.131	-12.3	87	0.00
67 C	Ethyl Benzene	50.000	54.368	-8.7#	83	0.00
68 T	m/p-Xylenes	100.000	109.038	-9.0	81	0.00
69 T	o-Xylene	50.000	54.277	-8.6	81	0.00
70 T	Styrene	50.000	57.819	-15.6	87	0.00
71 P	Bromoform	50.000	55.101	-10.2	86	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	49.958	0.1	82	0.00
74 T	N-amyl acetate	50.000	47.441	5.1	80	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.209	-4.4	90	0.00
76 T	1,2,3-Trichloropropane	50.000	47.302	5.4	85	0.00
77 T	Bromobenzene	50.000	51.857	-3.7	86	0.00
78 T	n-propylbenzene	50.000	51.197	-2.4	84	0.00
79 T	2-Chlorotoluene	50.000	51.459	-2.9	86	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.503	-3.0	84	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.511	-1.0	82	0.00
82 T	4-Chlorotoluene	50.000	49.825	0.3	82	0.00
83 T	tert-Butylbenzene	50.000	51.573	-3.1	81	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.391	-2.8	83	0.00
85 T	sec-Butylbenzene	50.000	49.932	0.1	80	0.00
86 T	p-Isopropyltoluene	50.000	49.723	0.6	80	0.00
87 T	1,3-Dichlorobenzene	50.000	50.020	-0.0	84	0.00
88 T	1,4-Dichlorobenzene	50.000	50.395	-0.8	88	0.00
89 T	n-Butylbenzene	50.000	49.621	0.8	80	0.00
90 T	Hexachloroethane	50.000	49.598	0.8	84	0.00
91 T	1,2-Dichlorobenzene	50.000	52.711	-5.4	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.853	-3.7	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.738	0.5	82	0.00
94 T	Hexachlorobutadiene	50.000	46.895	6.2	75	0.00
95 T	Naphthalene	50.000	51.582	-3.2	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032241.D
Acq On : 24 Sep 2025 12:59
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Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Sep 25 05:02:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.484	-3.0	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

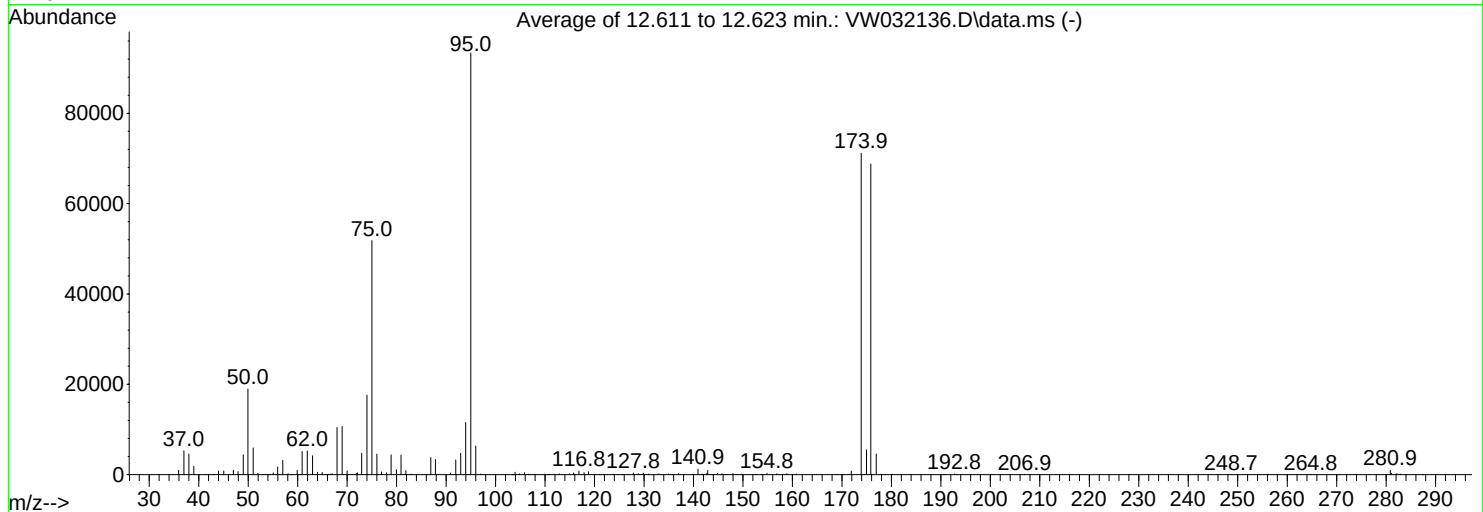
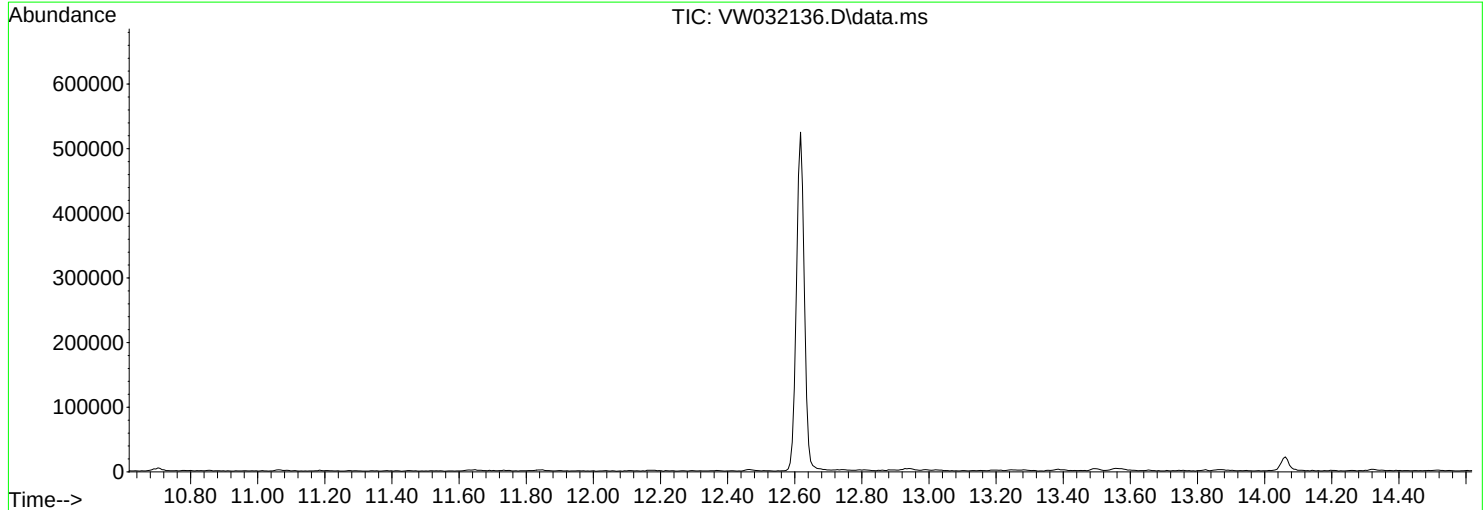
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- 18

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
Data File : VW032136.D
Acq On : 26 Aug 2025 08:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Title : SW846 8260
Last Update : Wed Aug 27 04:13:40 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

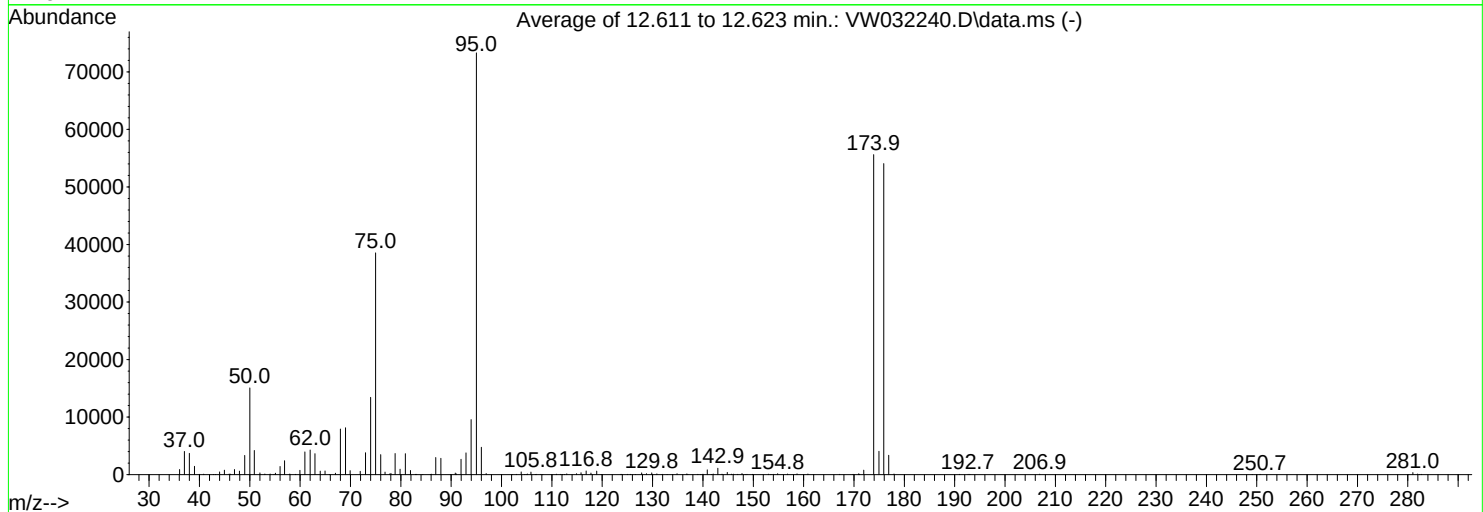
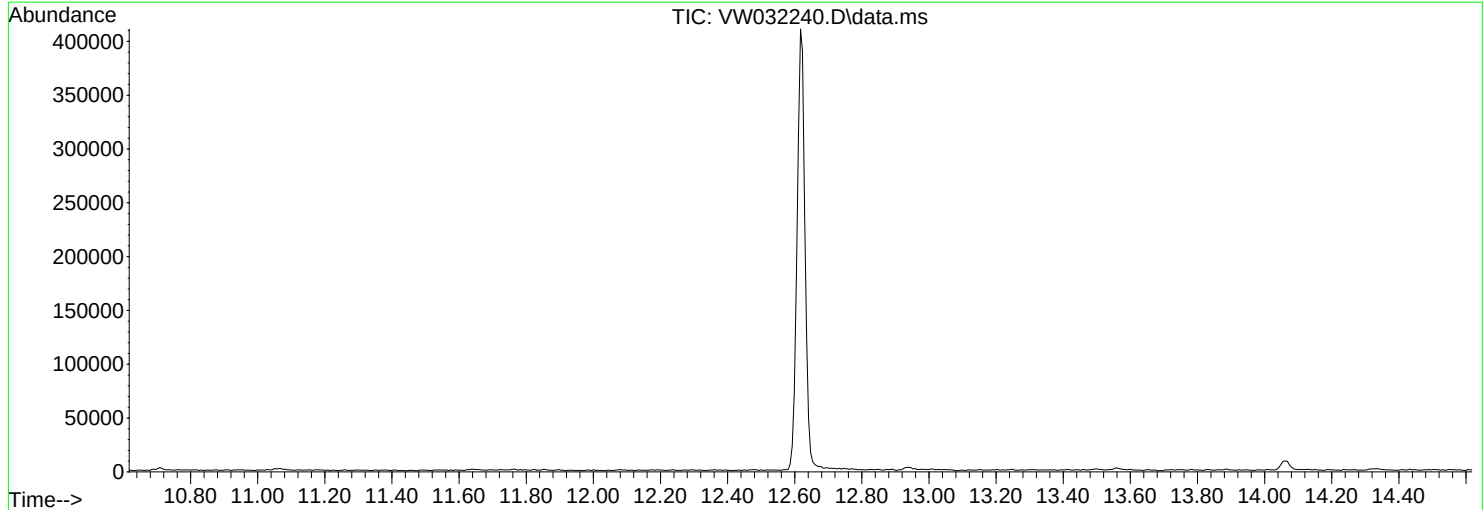
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.3	18996	PASS
75	95	30	60	55.5	51824	PASS
95	95	100	100	100.0	93381	PASS
96	95	5	9	6.8	6324	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.2	71157	PASS
175	174	5	9	7.7	5501	PASS
176	174	95	101	96.7	68787	PASS
177	176	5	9	6.6	4557	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032240.D
Acq On : 24 Sep 2025 12:29
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Title : SW846 8260
Last Update : Wed Aug 27 04:13:40 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.5	15061	PASS
75	95	30	60	52.6	38539	PASS
95	95	100	100	100.0	73309	PASS
96	95	5	9	6.5	4763	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.9	55619	PASS
175	174	5	9	7.3	4070	PASS
176	174	95	101	97.2	54048	PASS
177	176	5	9	6.2	3357	PASS

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 916		Date Received:	
Client Sample ID:	VW0924SBL01		SDG No.:	Q3176
Lab Sample ID:	VW0924SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032242.D	1	09/24/25 14:37	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 916		Date Received:	
Client Sample ID:	VW0924SBL01		SDG No.:	Q3176
Lab Sample ID:	VW0924SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032242.D	1	09/24/25 14:37	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		63 - 155	117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	52.4		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147000	7.959			
540-36-3	1,4-Difluorobenzene	291000	8.855			
3114-55-4	Chlorobenzene-d5	291000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.556			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	VW0924SBL01	SDG No.:	Q3176
Lab Sample ID:	VW0924SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032242.D	1	09/24/25 14:37	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Quant Time: Sep 25 05:04:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	147112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	291148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	291337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	144992	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122684	58.313	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.620%
35) Dibromofluoromethane	7.898	113	111562	54.616	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.240%
50) Toluene-d8	10.331	98	375464	52.360	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.720%
62) 4-Bromofluorobenzene	12.617	95	122985	46.381	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.760%

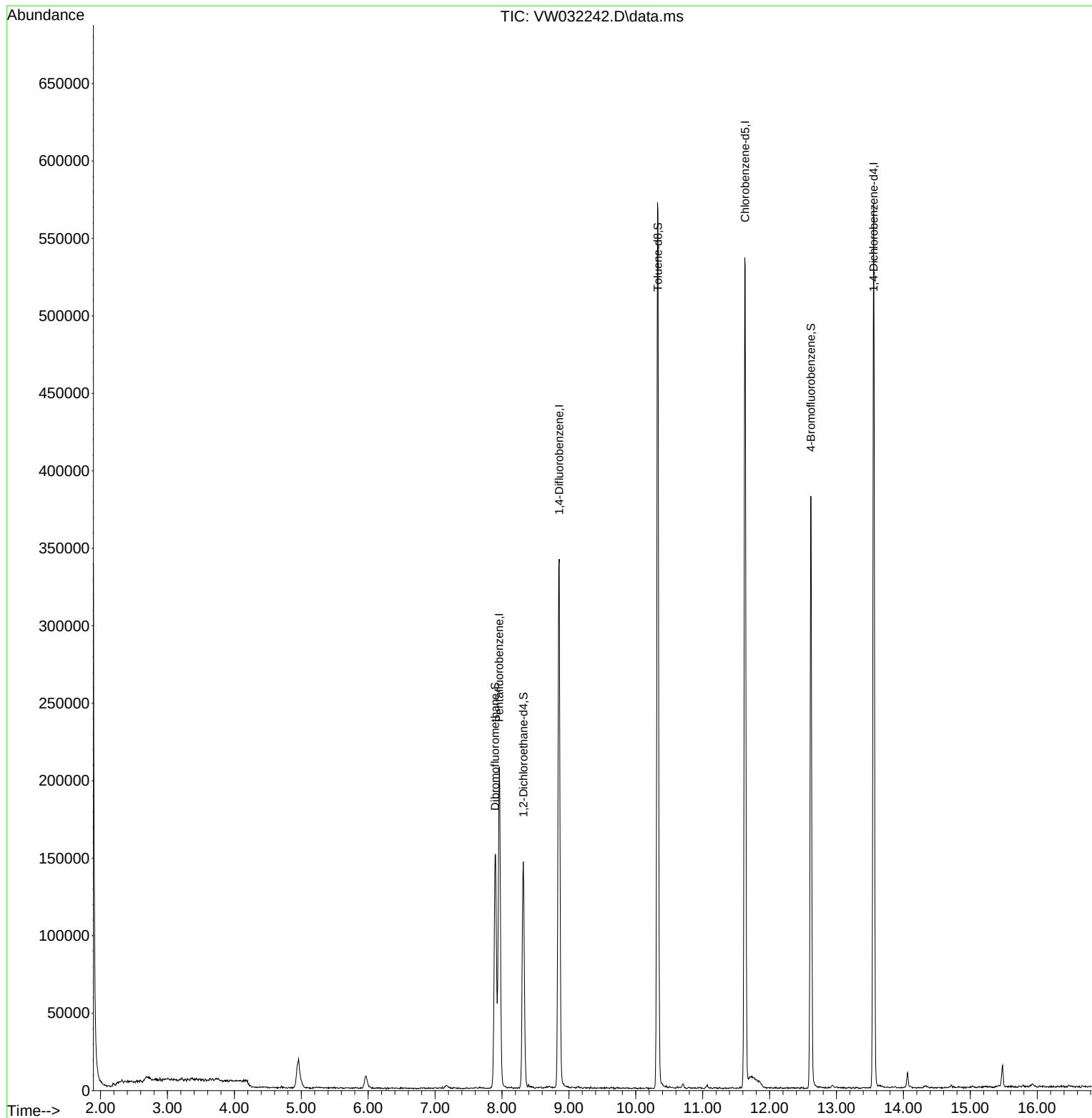
Target Compounds	Qvalue

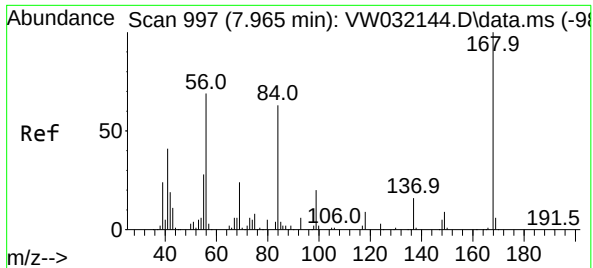
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Quant Time: Sep 25 05:04:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

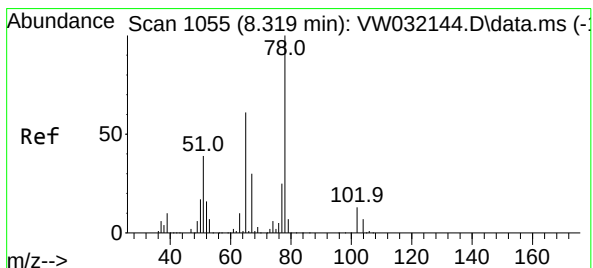
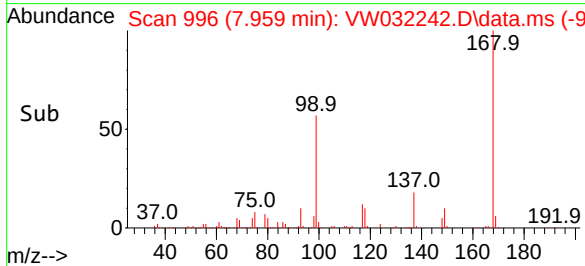
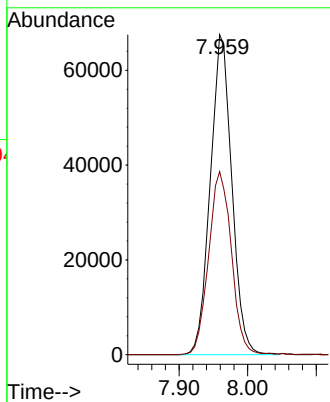
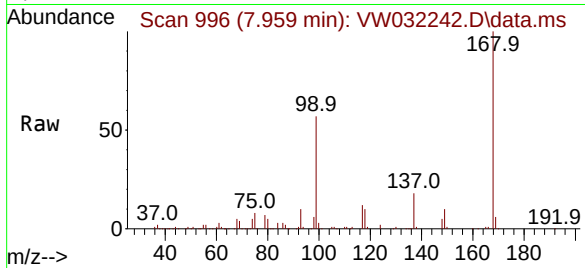




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

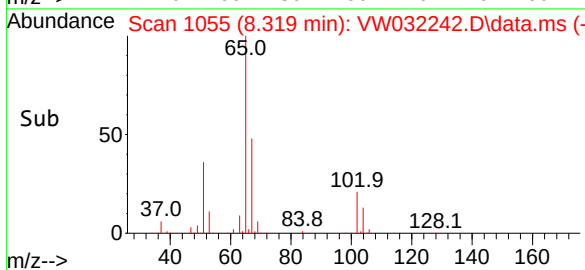
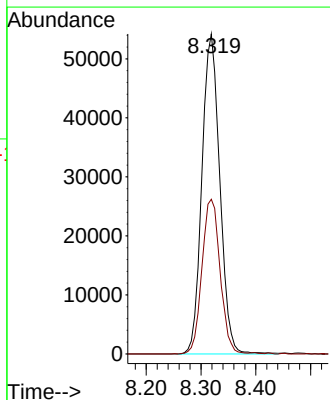
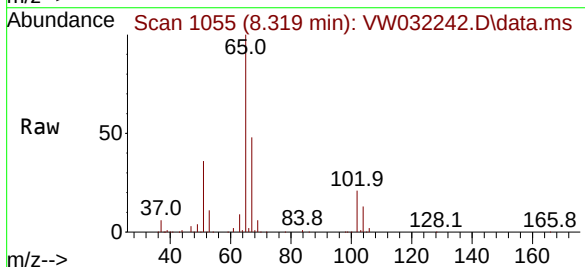
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

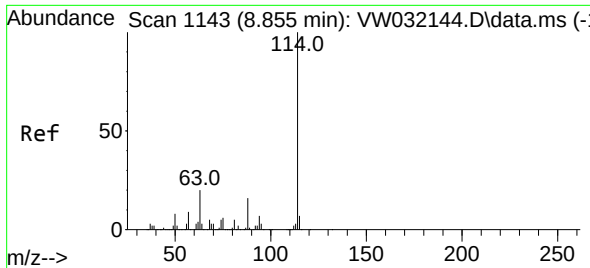
Tgt Ion:168 Resp: 147112
Ion Ratio Lower Upper
168 100
99 57.2 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 58.313 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

Tgt Ion: 65 Resp: 122684
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032242.D

Acq: 24 Sep 2025 14:37

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBL01

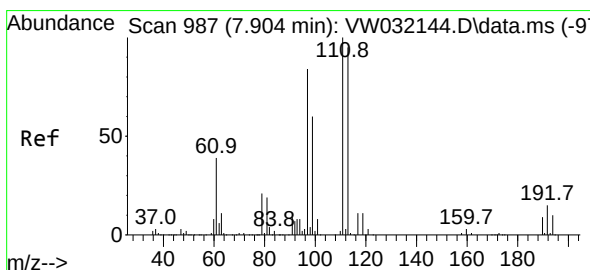
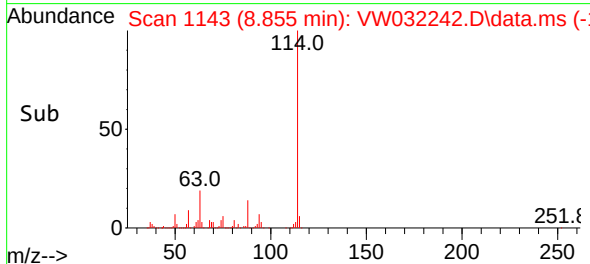
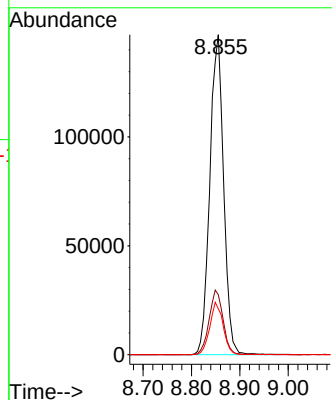
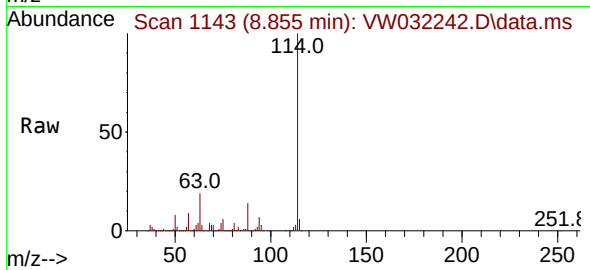
Tgt Ion:114 Resp: 291148

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.4

88 14.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 54.616 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032242.D

Acq: 24 Sep 2025 14:37

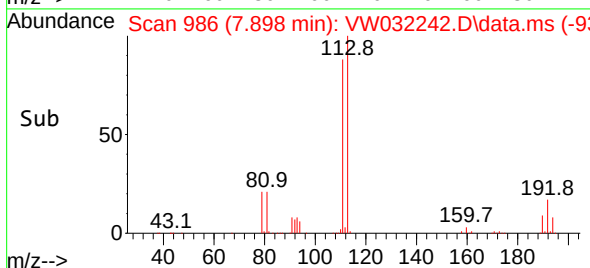
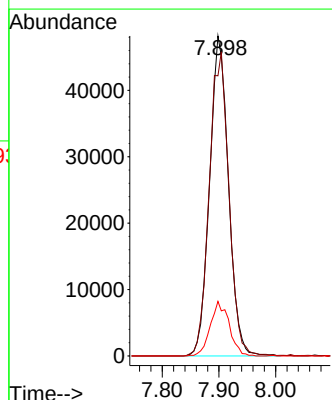
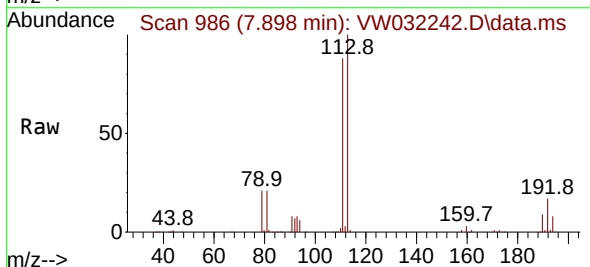
Tgt Ion:113 Resp: 111562

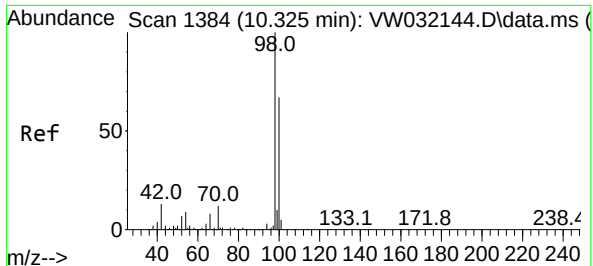
Ion Ratio Lower Upper

113 100

111 98.9 83.9 125.9

192 17.0 14.6 21.8

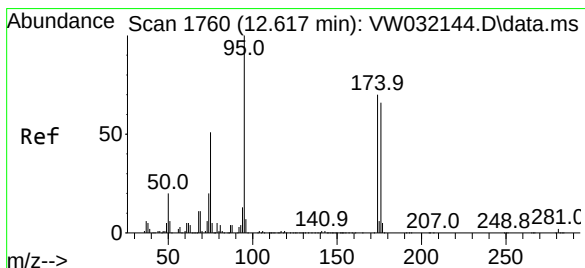
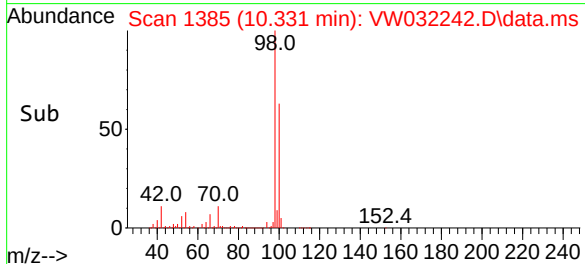
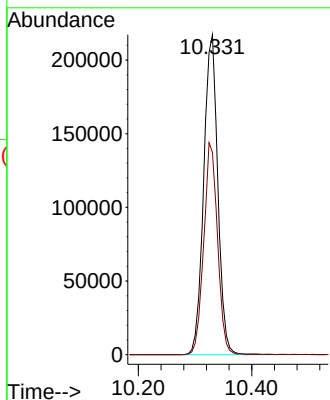
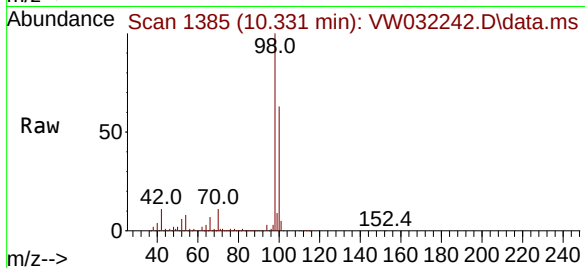




#50
Toluene-d8
Concen: 52.360 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

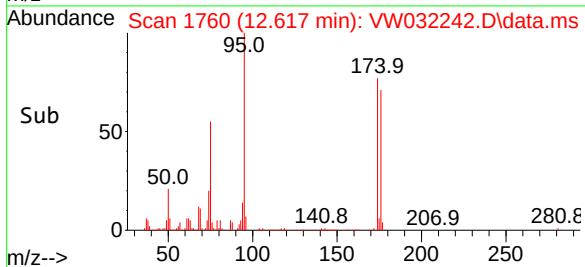
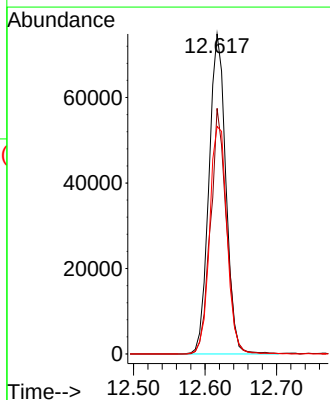
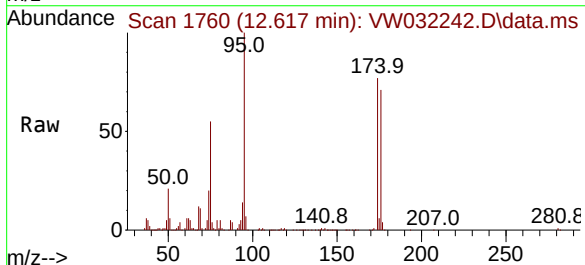
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

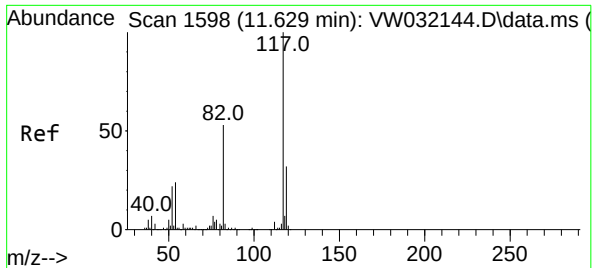
Tgt Ion: 98 Resp: 375464
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 46.381 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

Tgt Ion: 95 Resp: 122985
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.6
176 73.0 0.0 140.8

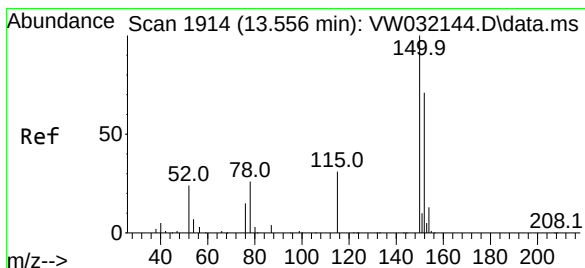
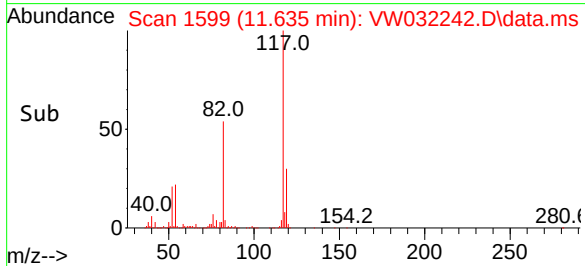
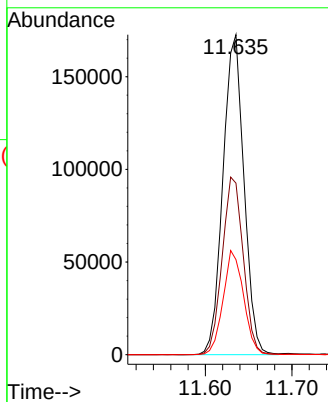
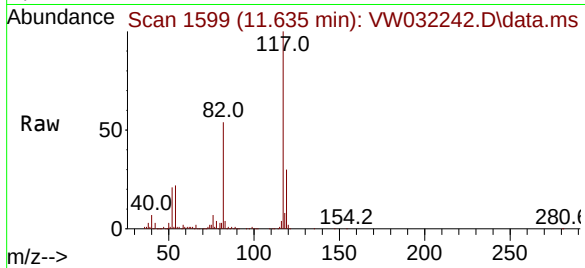




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

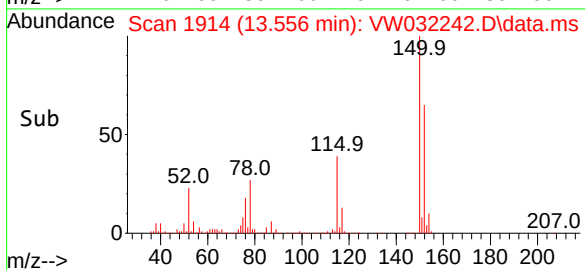
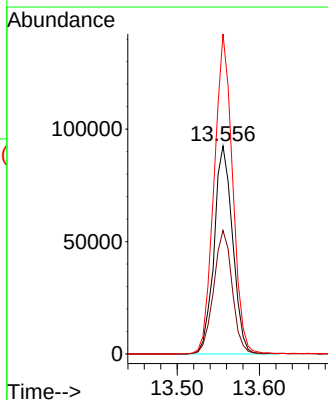
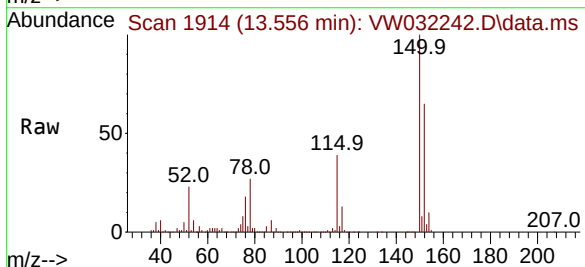
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.7	64.1
119	29.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032242.D
Acq: 24 Sep 2025 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	31.8	95.4
150	153.3	0.0	343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M

Title : SW846 8260

Signal : TIC: VW032242.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	493	504	519	rVB3	18629	65521	6.44%	1.192%
2	5.966	660	669	676	rBV5	7957	24271	2.38%	0.442%
3	7.898	977	986	991	rBV2	150056	369925	36.34%	6.730%
4	7.959	991	996	1010	rVB	206536	461698	45.36%	8.400%
5	8.319	1046	1055	1066	rBV	146216	333994	32.81%	6.077%
6	8.855	1132	1143	1158	rBV	341032	707737	69.53%	12.877%
7	10.325	1375	1384	1393	rBV	571756	1017914	100.00%	18.520%
8	11.629	1590	1598	1607	rBV	535776	936331	91.99%	17.036%
9	12.617	1752	1760	1770	rBV	381992	627014	61.60%	11.408%
10	13.556	1905	1914	1924	rBV	570934	912189	89.61%	16.596%
11	14.062	1991	1997	2002	rBV	9371	14913	1.47%	0.271%
12	15.482	2224	2230	2237	rVB	13952	24818	2.44%	0.452%

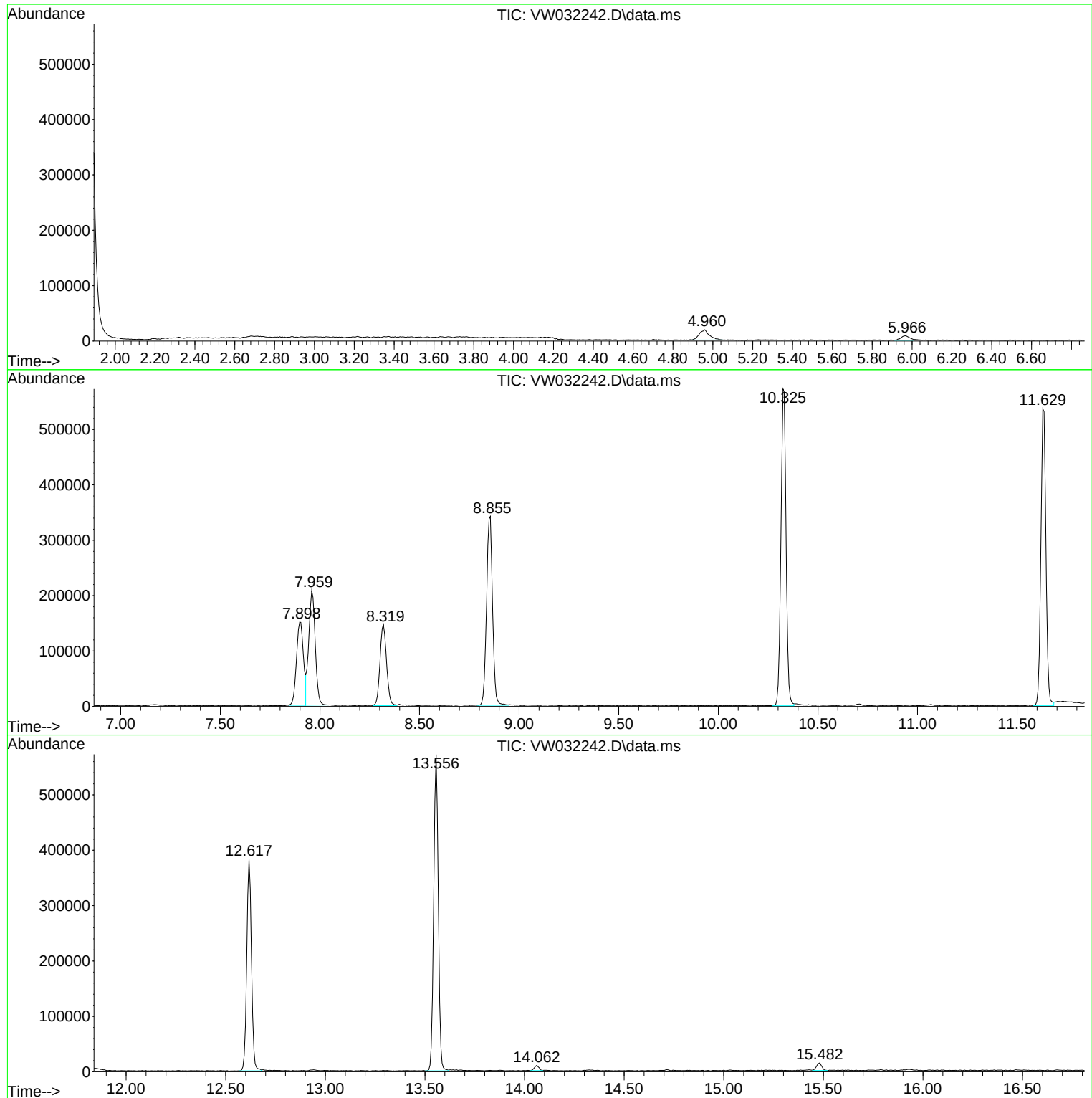
Sum of corrected areas: 5496325

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032242.D
Acq On : 24 Sep 2025 14:37
Operator : SY/MD
Sample : VW0924SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 916		Date Received:	
Client Sample ID:	VW0924SBS01		SDG No.:	Q3176
Lab Sample ID:	VW0924SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032243.D	1	09/24/25 15:03	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	16.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.0		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	VW0924SBS01	SDG No.:	Q3176
Lab Sample ID:	VW0924SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032243.D	1	09/24/25 15:03	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		17 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	188000	7.959			
540-36-3	1,4-Difluorobenzene	325000	8.855			
3114-55-4	Chlorobenzene-d5	301000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.556			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	VW0924SBS01	SDG No.:	Q3176
Lab Sample ID:	VW0924SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032243.D	1	09/24/25 15:03	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032243.D
 Acq On : 24 Sep 2025 15:03
 Operator : SY/MD
 Sample : VW0924SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Quant Time: Sep 25 05:04:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	188130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	324992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133448	49.600	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.200%		
35) Dibromofluoromethane	7.904	113	116929	51.282	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	102.560%		
50) Toluene-d8	10.325	98	393556	49.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.617	95	145892	49.290	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	25719	20.706	ug/l	96
3) Chloromethane	2.253	50	25465	19.554	ug/l	99
4) Vinyl Chloride	2.405	62	35099	20.750	ug/l	92
5) Bromomethane	2.820	94	30863	20.432	ug/l	99
6) Chloroethane	2.966	64	23986	20.136	ug/l	99
7) Trichlorofluoromethane	3.301	101	27981	16.695	ug/l	99
8) Diethyl Ether	3.722	74	25355	20.273	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	38533	20.410	ug/l	98
10) Methyl Iodide	4.307	142	59021	20.531	ug/l	100
11) Tert butyl alcohol	5.216	59	13291	80.761	ug/l #	85
12) 1,1-Dichloroethene	4.070	96	40831	20.536	ug/l	94
13) Acrolein	3.929	56	8596	33.980	ug/l	92
14) Allyl chloride	4.704	41	53110	18.805	ug/l	98
15) Acrylonitrile	5.405	53	58554	96.294	ug/l	98
16) Acetone	4.161	43	65626	112.627	ug/l	92
17) Carbon Disulfide	4.417	76	92232	18.547	ug/l	97
18) Methyl Acetate	4.710	43	38105	20.525	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	71903	19.151	ug/l	97
20) Methylene Chloride	4.948	84	54029	19.989	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	45500	20.485	ug/l	91
22) Diisopropyl ether	6.338	45	123292	20.058	ug/l	96
23) Vinyl Acetate	6.283	43	382205	91.454	ug/l	98
24) 1,1-Dichloroethane	6.246	63	81848	20.339	ug/l	98
25) 2-Butanone	7.197	43	79607	96.413	ug/l	97
26) 2,2-Dichloropropane	7.191	77	42044	19.729	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	54116	20.022	ug/l	98
28) Bromochloromethane	7.532	49	38581	20.944	ug/l	98
29) Tetrahydrofuran	7.557	42	48708	92.832	ug/l	98
30) Chloroform	7.691	83	94126	20.487	ug/l	93
31) Cyclohexane	7.971	56	62247	18.846	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	68192	20.332	ug/l	99
36) 1,1-Dichloropropene	8.093	75	57438	19.429	ug/l	97
37) Ethyl Acetate	7.276	43	34736	19.586	ug/l	99
38) Carbon Tetrachloride	8.081	117	62396	19.688	ug/l	97
39) Methylcyclohexane	9.343	83	64790	18.503	ug/l	98
40) Benzene	8.337	78	186114	20.366	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032243.D
 Acq On : 24 Sep 2025 15:03
 Operator : SY/MD
 Sample : VW0924SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Quant Time: Sep 25 05:04:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	19269	19.556	ug/l	91
42) 1,2-Dichloroethane	8.410	62	65566	20.696	ug/l	99
43) Isopropyl Acetate	8.435	43	59814	17.978	ug/l	98
44) Trichloroethene	9.105	130	45897	19.971	ug/l	87
45) 1,2-Dichloropropane	9.374	63	45250	20.541	ug/l	97
46) Dibromomethane	9.465	93	31539	20.412	ug/l	98
47) Bromodichloromethane	9.654	83	70957	20.208	ug/l	99
48) Methyl methacrylate	9.441	41	27666	18.044	ug/l	93
49) 1,4-Dioxane	9.465	88	7177	384.439	ug/l #	71
51) 4-Methyl-2-Pentanone	10.215	43	180166	95.902	ug/l	98
52) Toluene	10.392	92	122386	20.494	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	59593	19.239	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	69975	19.798	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	41248	20.529	ug/l	88
56) Ethyl methacrylate	10.648	69	46712	18.185	ug/l	98
57) 1,3-Dichloropropane	10.934	76	66073	19.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	132038	96.303	ug/l	100
59) 2-Hexanone	10.971	43	124975	95.652	ug/l	98
60) Dibromochloromethane	11.129	129	47769	19.648	ug/l	96
61) 1,2-Dibromoethane	11.239	107	39041	19.759	ug/l	98
64) Tetrachloroethene	10.861	164	40975	20.668	ug/l	95
65) Chlorobenzene	11.660	112	136077	19.847	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	47500	21.043	ug/l	94
67) Ethyl Benzene	11.733	91	221550	19.722	ug/l	97
68) m/p-Xylenes	11.837	106	176714	40.874	ug/l	100
69) o-Xylene	12.166	106	81258	19.870	ug/l	100
70) Styrene	12.178	104	146130	20.271	ug/l	98
71) Bromoform	12.349	173	26907	20.070	ug/l #	97
73) Isopropylbenzene	12.464	105	207681	18.211	ug/l	99
74) N-amyl acetate	12.269	43	53951	16.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	51924	19.159	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	36887m	17.540	ug/l	
77) Bromobenzene	12.745	156	54082	18.597	ug/l	94
78) n-propylbenzene	12.800	91	256934	18.557	ug/l	99
79) 2-Chlorotoluene	12.891	91	157454	18.597	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	183385	18.993	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	13307	17.037	ug/l	96
82) 4-Chlorotoluene	12.989	91	170841	18.851	ug/l	98
83) tert-Butylbenzene	13.202	119	147545	18.022	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	189842	19.004	ug/l	100
85) sec-Butylbenzene	13.379	105	226231	18.508	ug/l	99
86) p-Isopropyltoluene	13.495	119	187801	18.067	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	114521	19.558	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115750	19.721	ug/l	97
89) n-Butylbenzene	13.818	91	179474	18.110	ug/l	98
90) Hexachloroethane	14.086	117	34957	18.385	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	104149	20.089	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	8590	17.941	ug/l	92
93) 1,2,4-Trichlorobenzene	15.123	180	61818	18.663	ug/l	98
94) Hexachlorobutadiene	15.232	225	32015	19.489	ug/l	99
95) Naphthalene	15.360	128	126413	16.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	56366	18.298	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032243.D
Acq On : 24 Sep 2025 15:03
Operator : SY/MD
Sample : VW0924SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 05:04:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

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

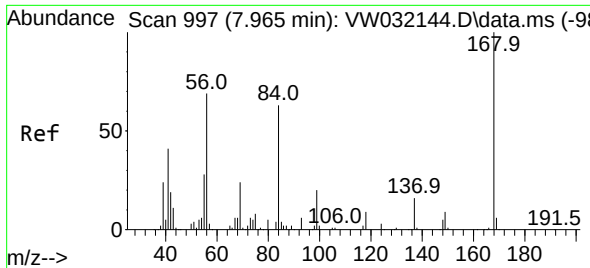
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Manual Integrations

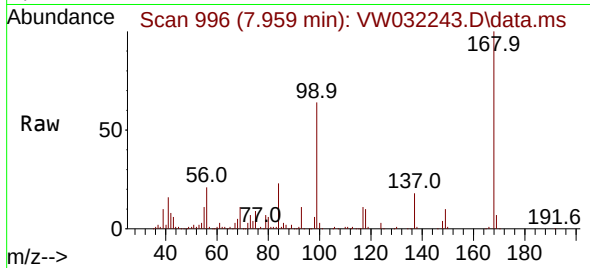
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

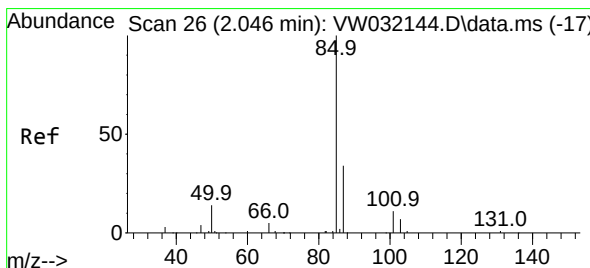
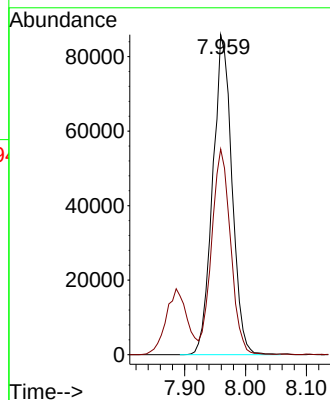
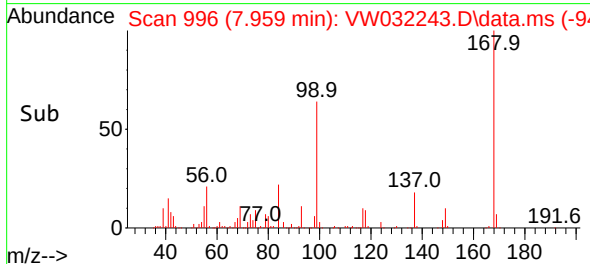
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion:168 Resp: 188130
Ion Ratio Lower Upper
168 100
99 64.1 49.3 73.9

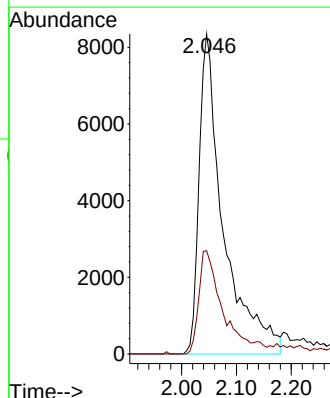
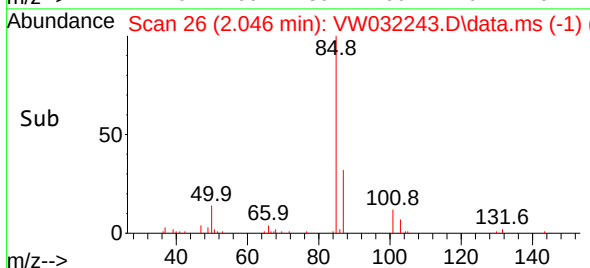
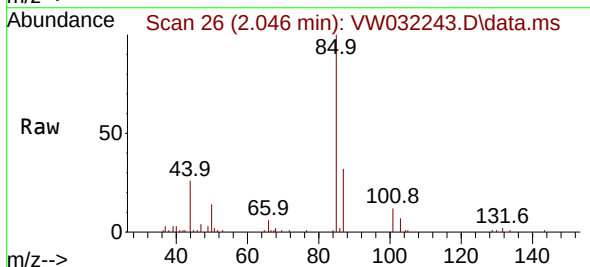
Manual Integrations
APPROVED

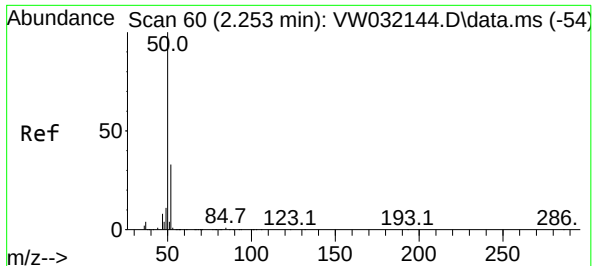
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#2
Dichlorodifluoromethane
Concen: 20.706 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 85 Resp: 25719
Ion Ratio Lower Upper
85 100
87 32.3 17.2 51.6





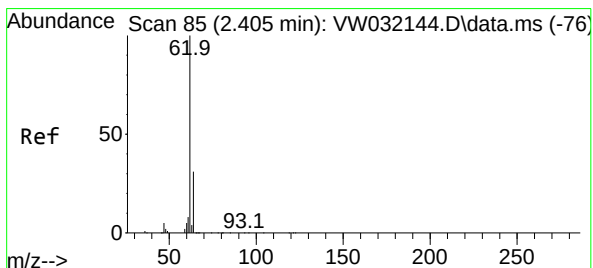
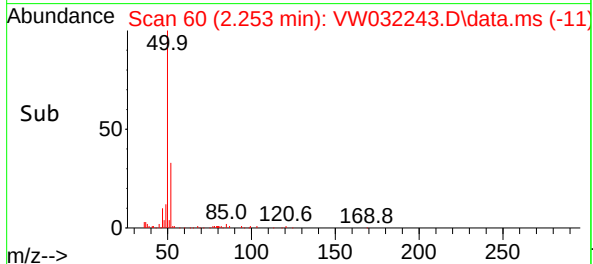
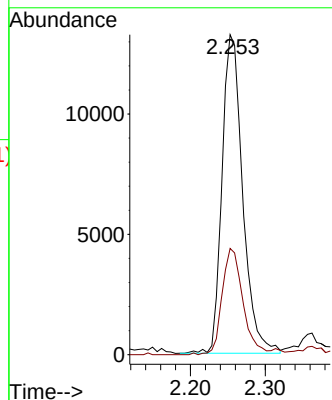
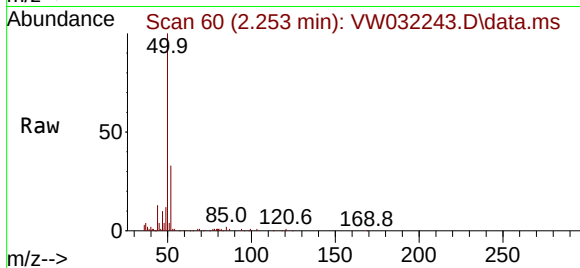
#3
Chloromethane
Concen: 19.554 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 50 Resp: 2546
Ion Ratio Lower Upper
50 100
52 33.3 26.1 39.1

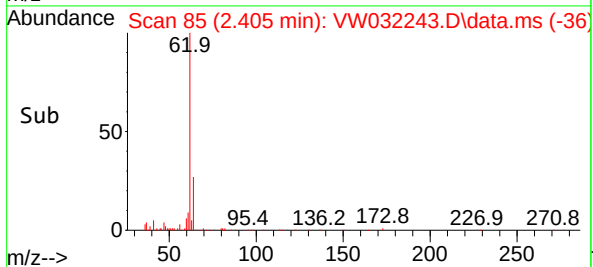
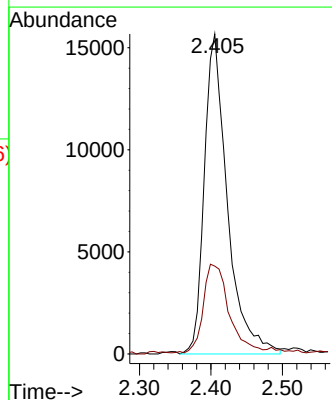
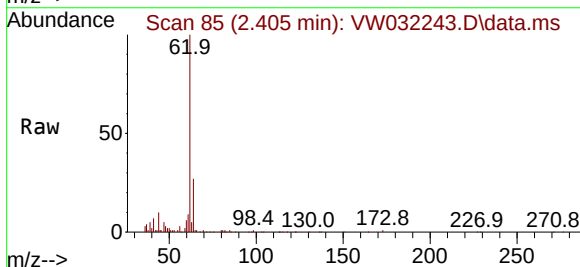
Manual Integrations
APPROVED

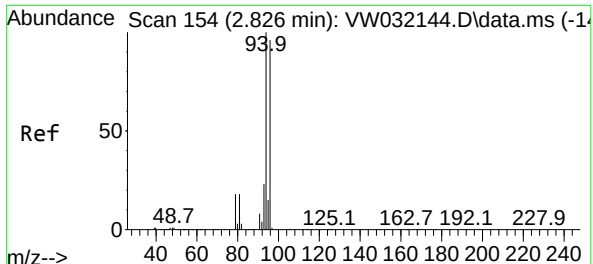
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#4
Vinyl Chloride
Concen: 20.750 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 62 Resp: 35099
Ion Ratio Lower Upper
62 100
64 26.7 24.8 37.2





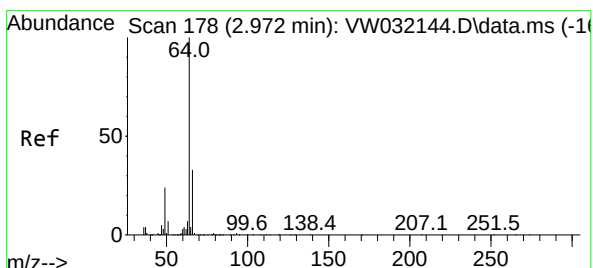
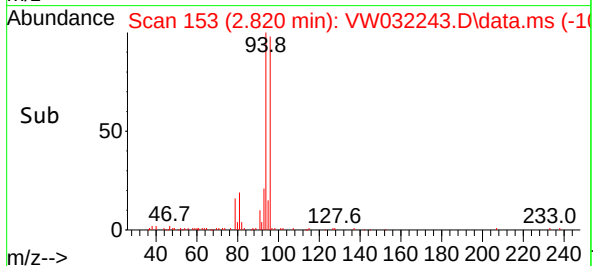
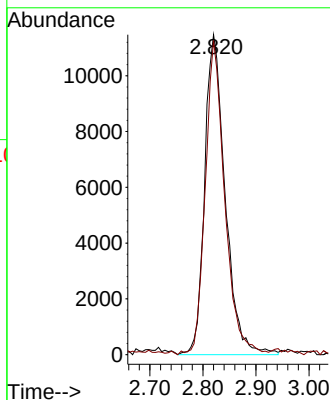
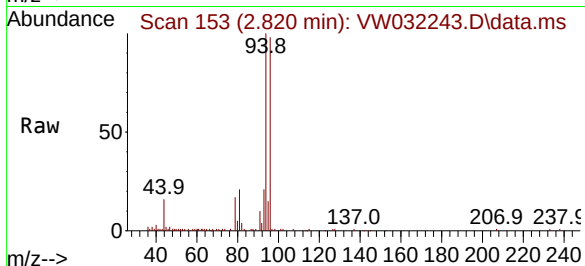
#5
Bromomethane
Concen: 20.432 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 94 Resp: 3086
Ion Ratio Lower Upper
94 100
96 97.2 76.6 115.0

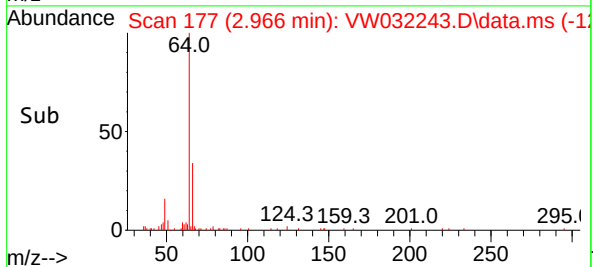
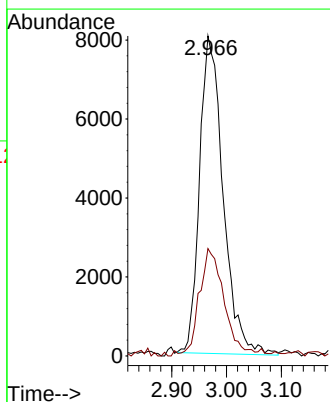
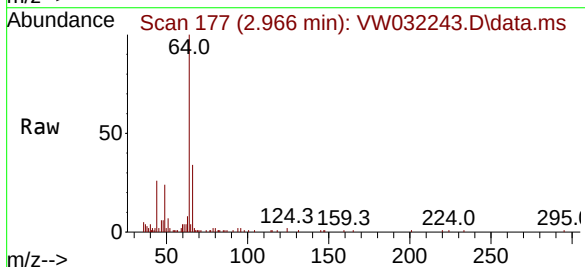
Manual Integrations
APPROVED

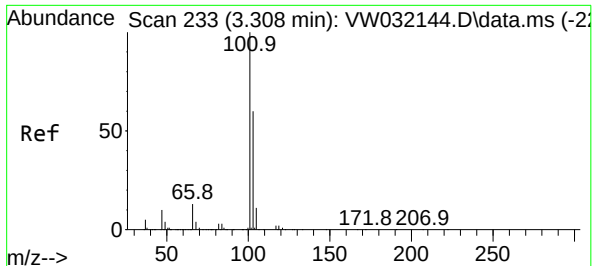
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#6
Chloroethane
Concen: 20.136 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 64 Resp: 23986
Ion Ratio Lower Upper
64 100
66 33.1 26.2 39.4





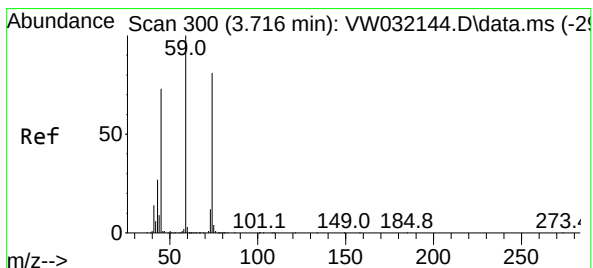
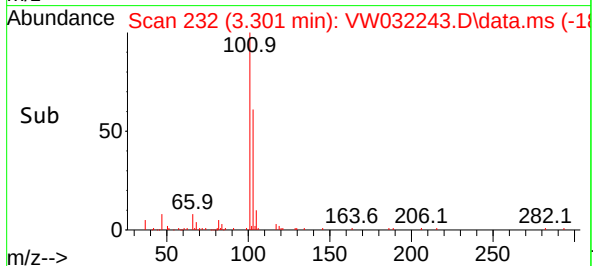
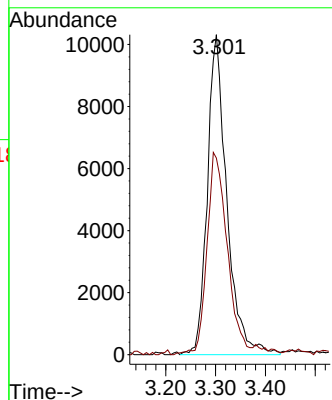
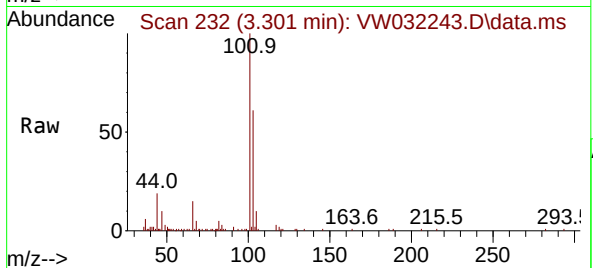
#7
Trichlorofluoromethane
Concen: 16.695 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 101 Resp: 2798
Ion Ratio Lower Upper
101 100
103 60.9 47.8 71.8

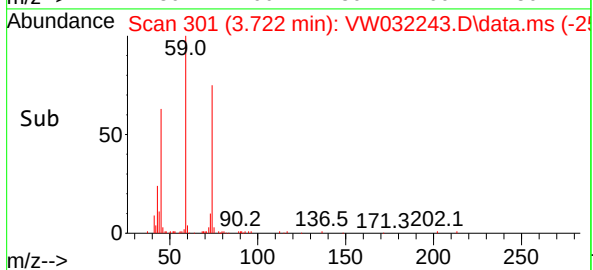
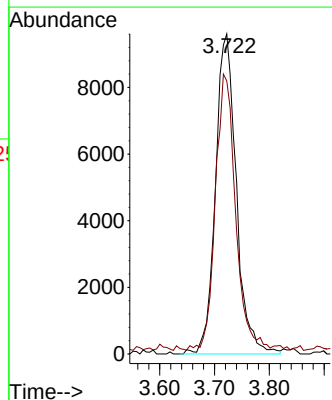
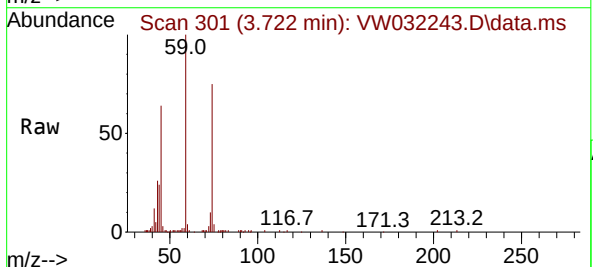
Manual Integrations
APPROVED

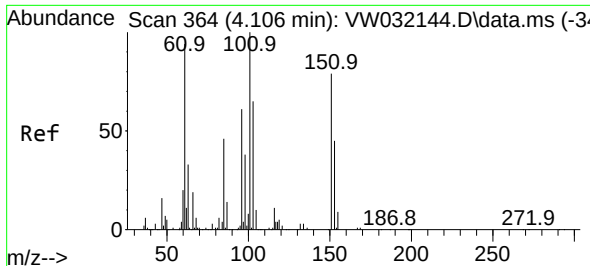
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#8
Diethyl Ether
Concen: 20.273 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 74 Resp: 25355
Ion Ratio Lower Upper
74 100
45 83.4 43.1 129.4





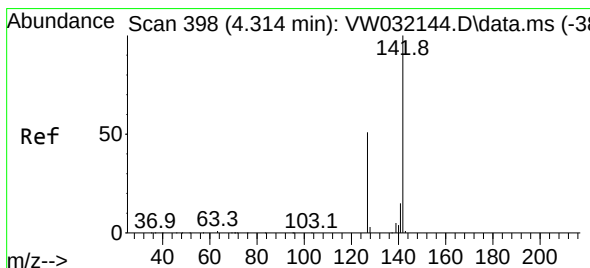
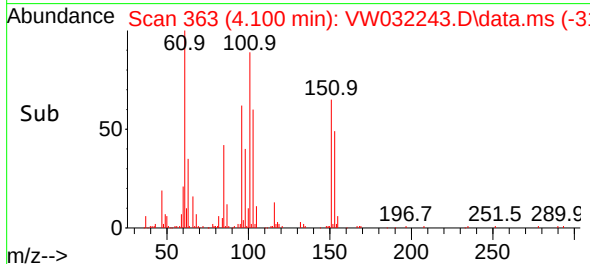
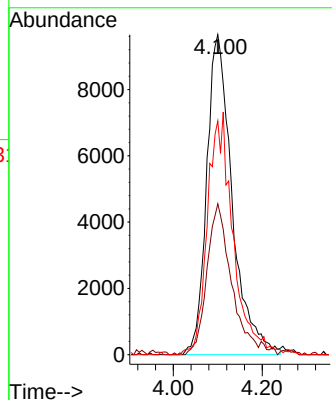
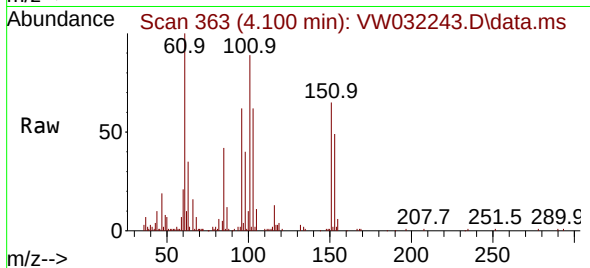
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.410 ug/l
RT: 4.100 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.7	37.1	55.7
151	75.6	61.5	92.3

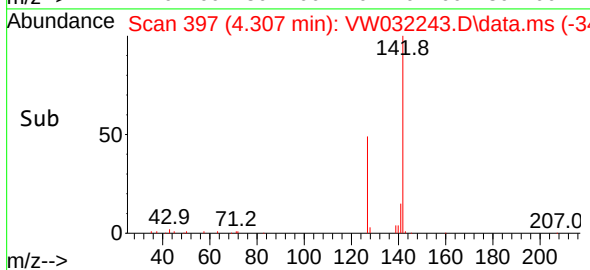
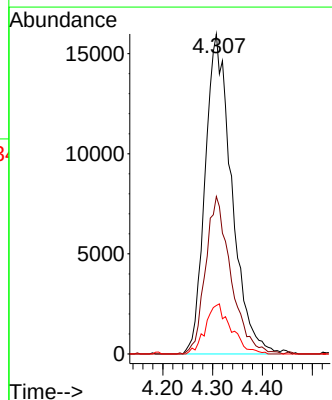
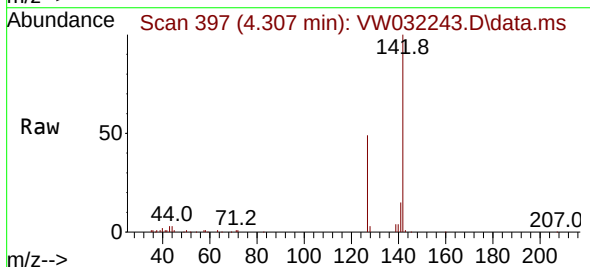
Manual Integrations
APPROVED

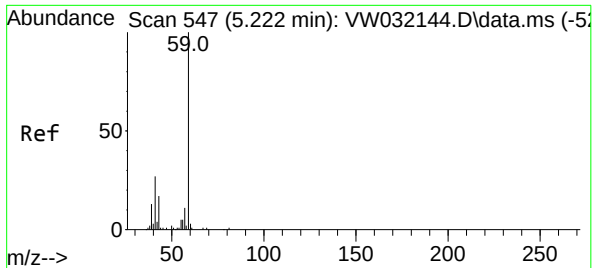
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#10
Methyl Iodide
Concen: 20.531 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

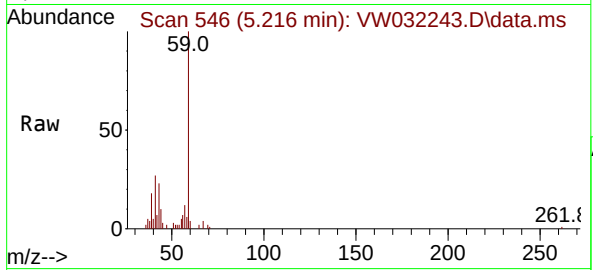
Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.3	38.2	57.2
141	15.2	12.2	18.2





#11
Tert butyl alcohol
Concen: 80.761 ug/l
RT: 5.216 min Scan# 547
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

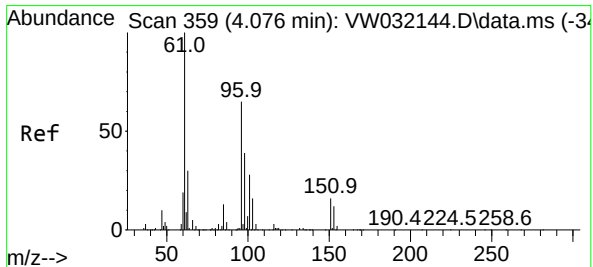
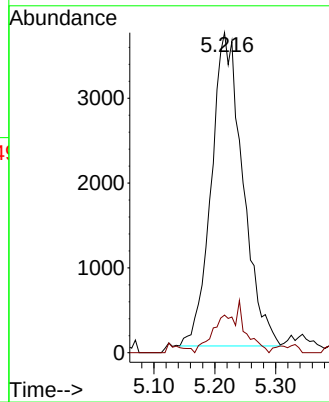
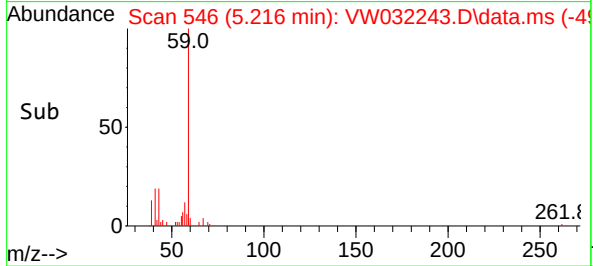
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



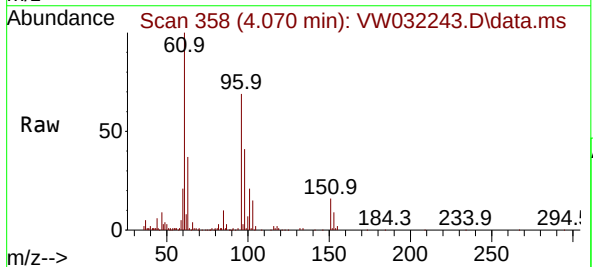
Tgt Ion: 59 Resp: 1329
Ion Ratio Lower Upper
59 100
57 6.4 9.8 14.6

Manual Integrations
APPROVED

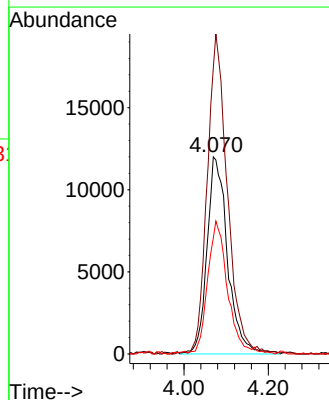
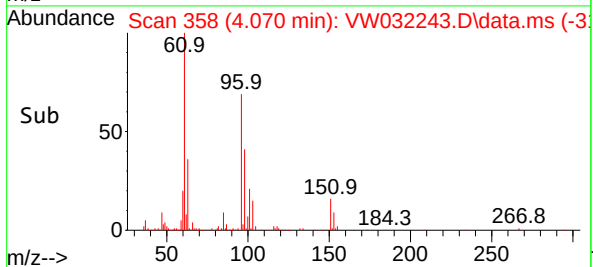
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

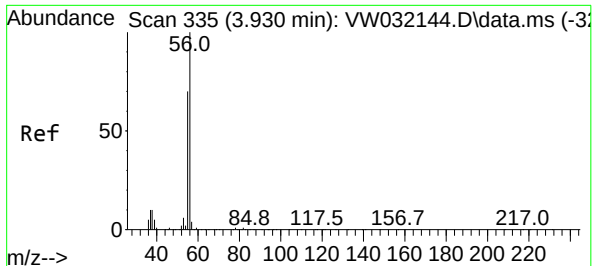


#12
1,1-Dichloroethene
Concen: 20.536 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



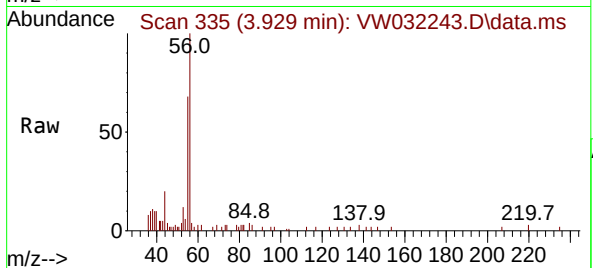
Tgt Ion: 96 Resp: 40831
Ion Ratio Lower Upper
96 100
61 144.5 123.0 184.4
98 58.0 48.5 72.7





#13
Acrolein
Concen: 33.980 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

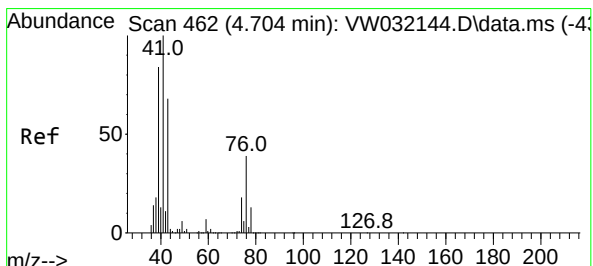
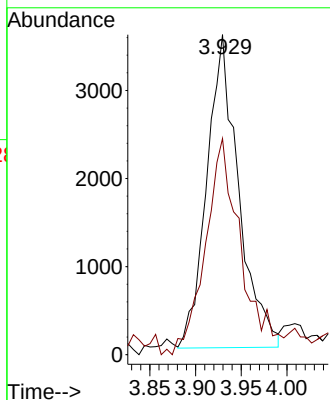
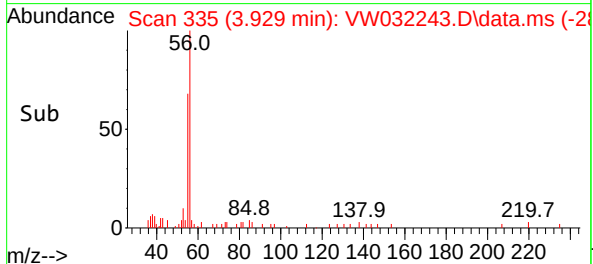
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 56 Resp: 8590
Ion Ratio Lower Upper
56 100
55 77.0 56.4 84.6

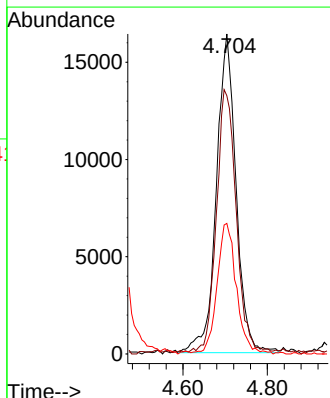
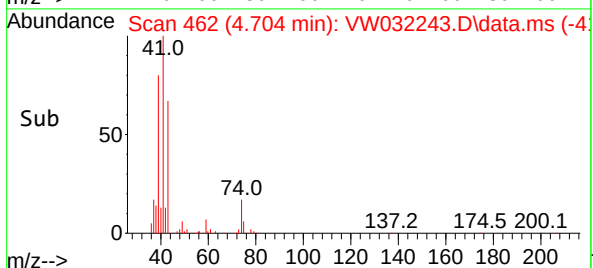
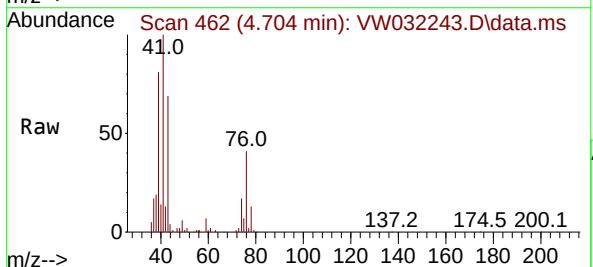
Manual Integrations
APPROVED

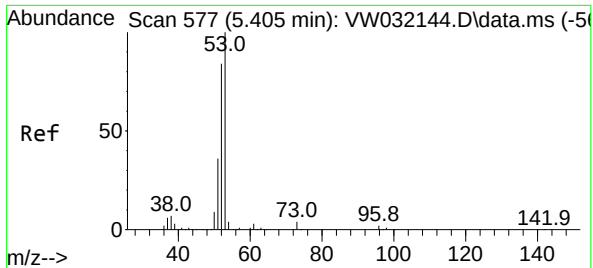
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#14
Allyl chloride
Concen: 18.805 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 41 Resp: 53110
Ion Ratio Lower Upper
41 100
39 82.1 64.1 96.1
76 40.3 31.4 47.2





#15

Acrylonitrile

Concen: 96.294 ug/l

RT: 5.405 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

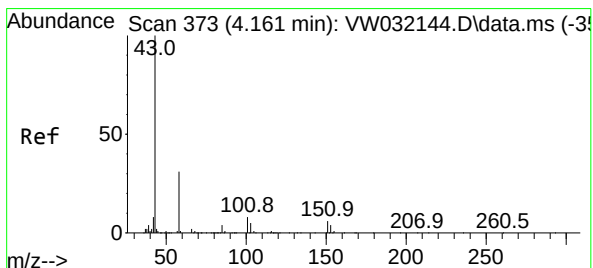
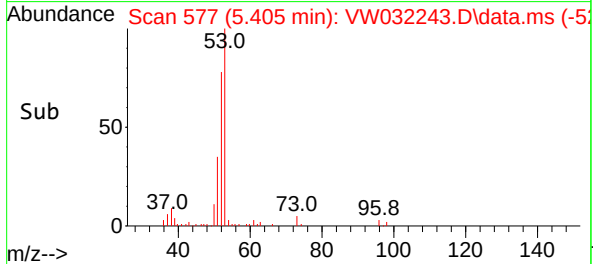
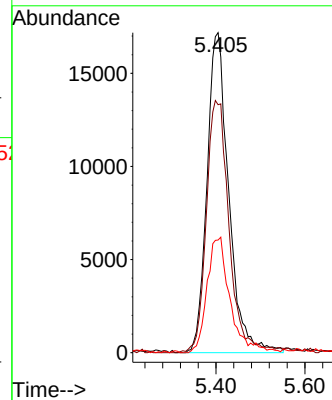
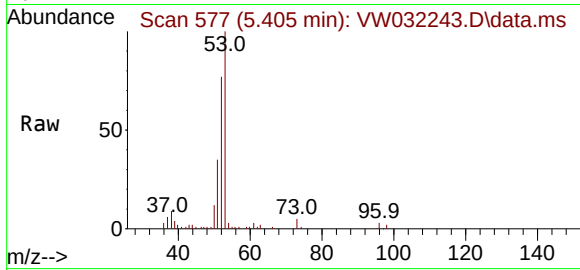
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:	53	Resp:	5855
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.4	101.2
51	38.2	30.3	45.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#16

Acetone

Concen: 112.627 ug/l

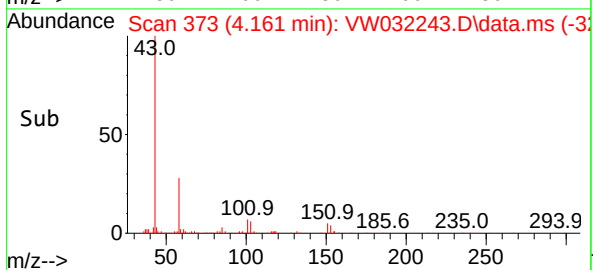
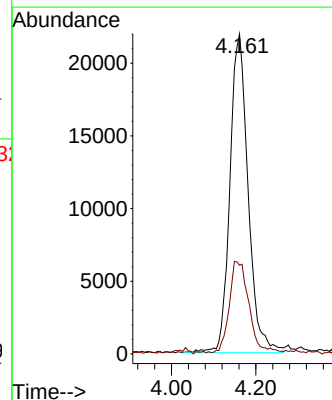
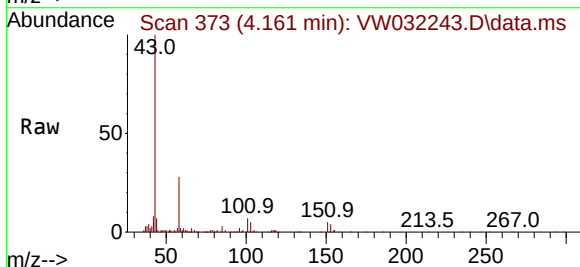
RT: 4.161 min Scan# 373

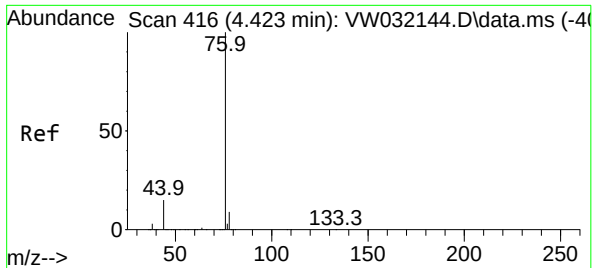
Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

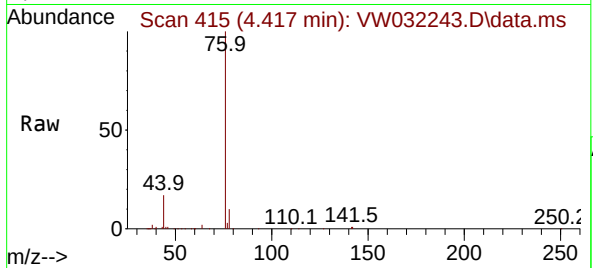
Tgt Ion:	43	Resp:	65626
Ion	Ratio	Lower	Upper
43	100		
58	27.1	25.3	37.9





#17
Carbon Disulfide
Concen: 18.547 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

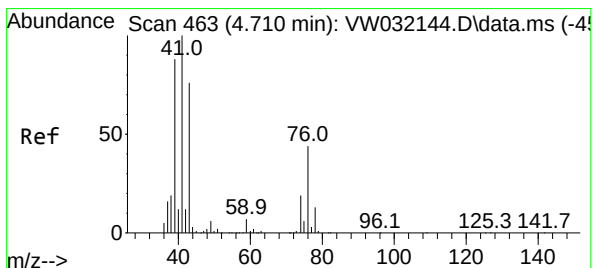
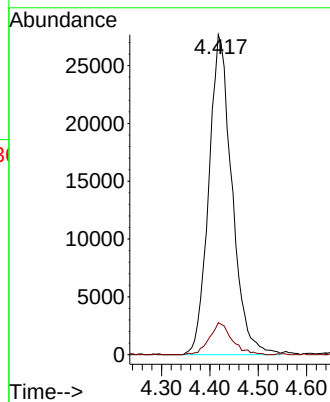
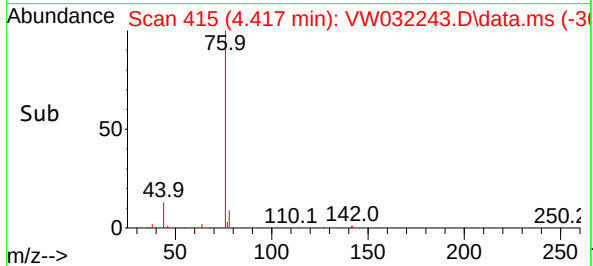
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 76 Resp: 9223
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6

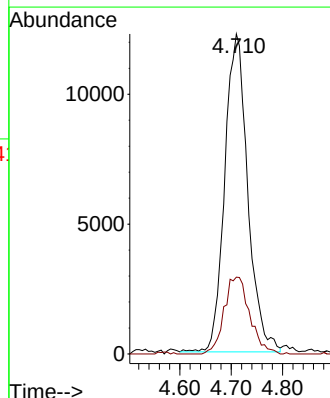
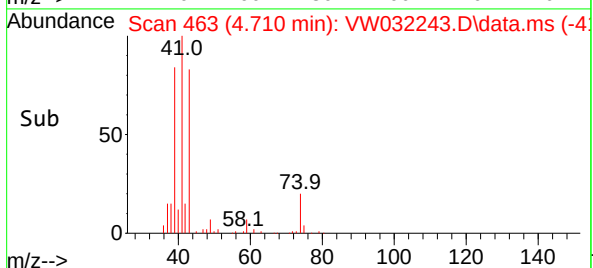
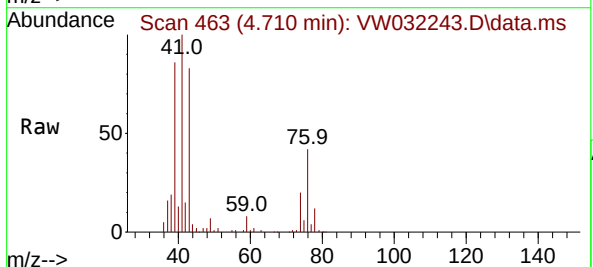
Manual Integrations
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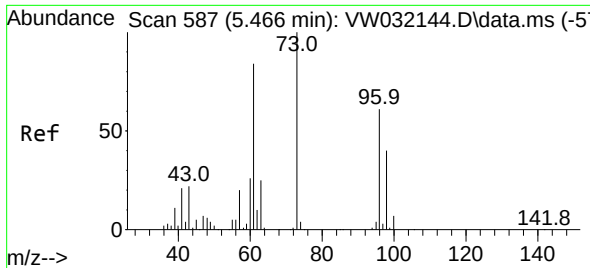
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#18
Methyl Acetate
Concen: 20.525 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 43 Resp: 38105
Ion Ratio Lower Upper
43 100
74 26.9 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 19.151 ug/l

RT: 5.466 min Scan# 501

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 73 Resp: 7190

Ion Ratio Lower Upper

73 100

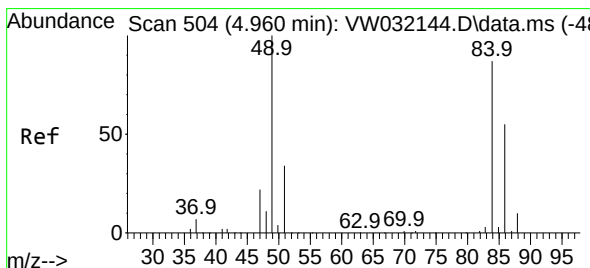
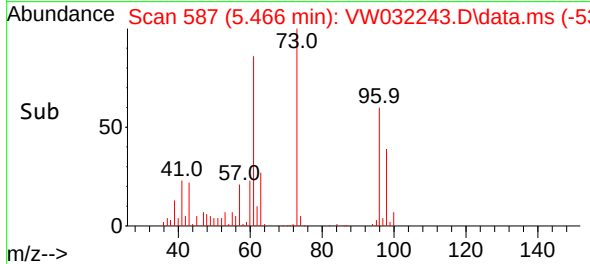
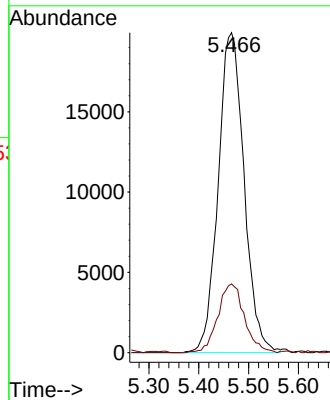
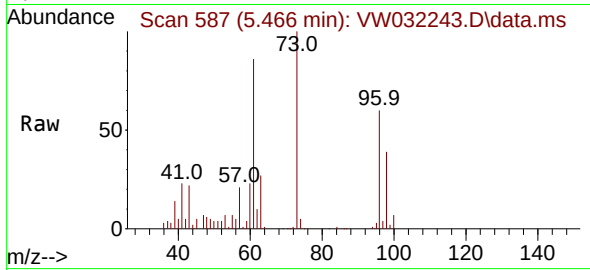
57 21.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#20

Methylene Chloride

Concen: 19.989 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.012 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Tgt Ion: 84 Resp: 54029

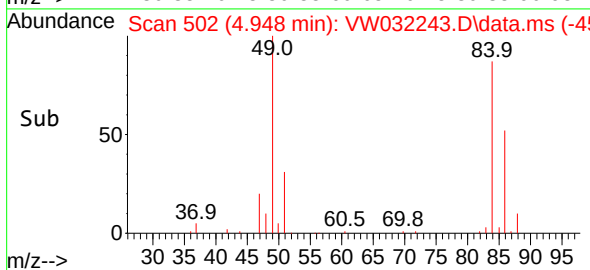
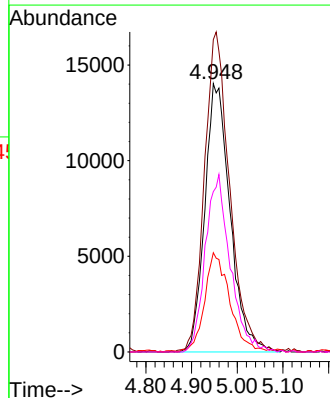
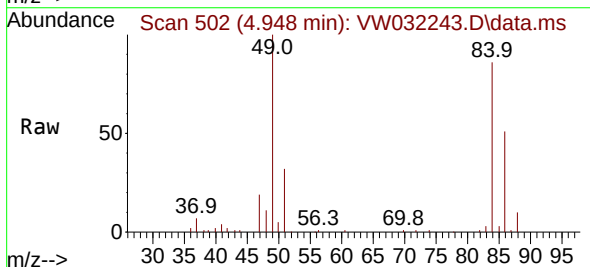
Ion Ratio Lower Upper

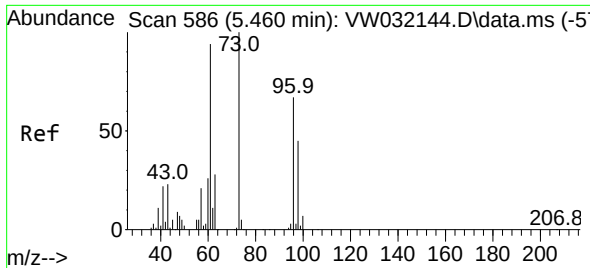
84 100

49 115.7 92.2 138.4

51 36.6 31.0 46.6

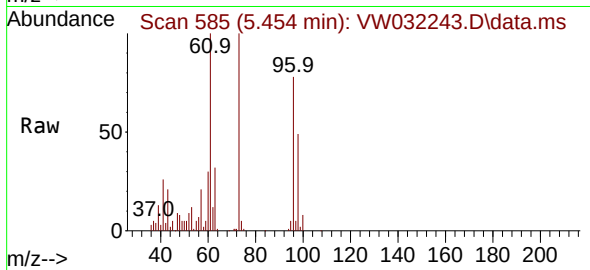
86 59.8 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 20.485 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

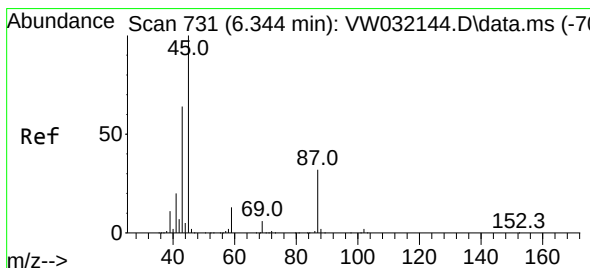
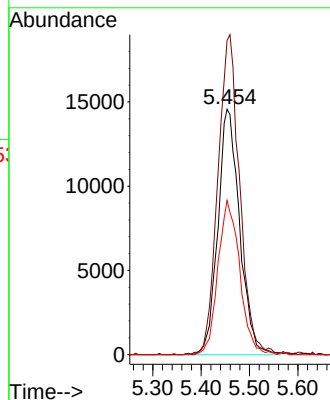
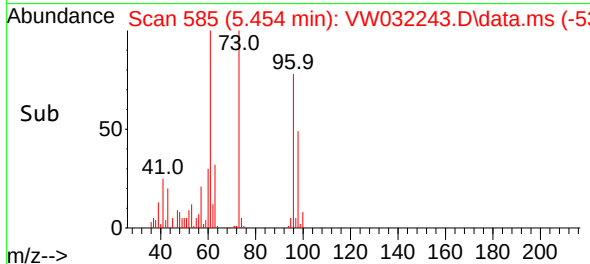
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 96 Resp: 45500
Ion Ratio Lower Upper
96 100
61 128.1 112.5 168.7
98 62.9 54.2 81.4

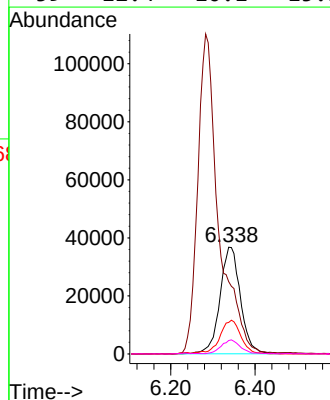
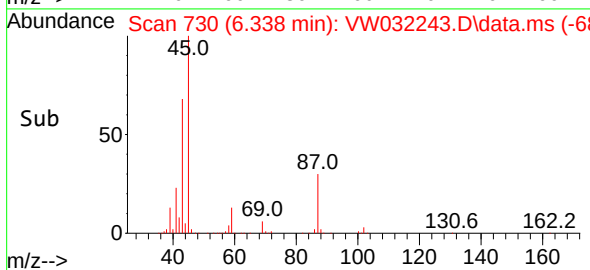
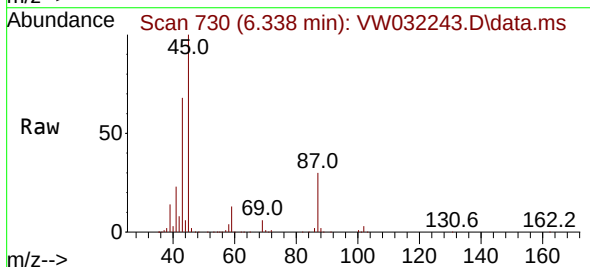
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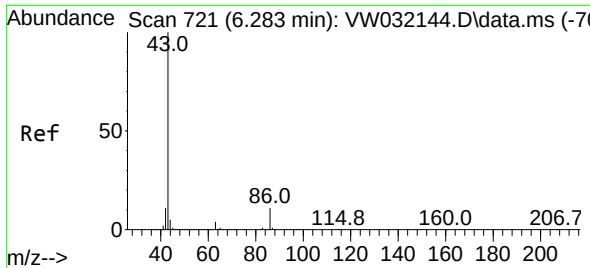
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#22
Diisopropyl ether
Concen: 20.058 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

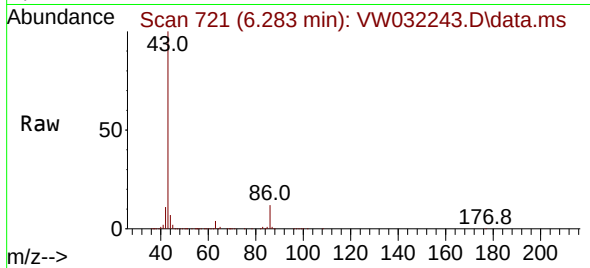
Tgt Ion: 45 Resp: 123292
Ion Ratio Lower Upper
45 100
43 67.1 51.4 77.2
87 29.6 25.9 38.9
59 12.4 10.1 15.1





#23
Vinyl Acetate
Concen: 91.454 ug/l
RT: 6.283 min Scan# 721
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

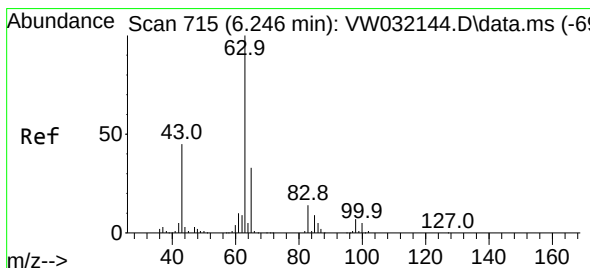
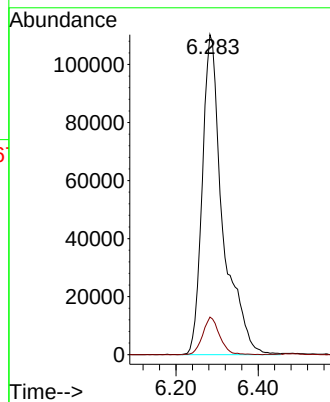
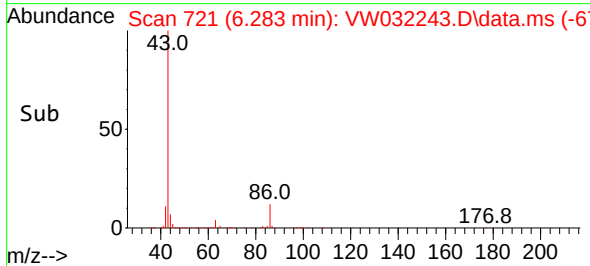
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 43 Resp: 38220
Ion Ratio Lower Upper
43 100
86 11.7 8.8 13.2

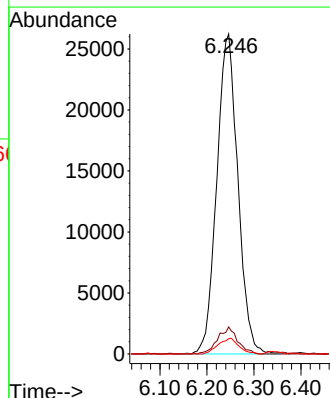
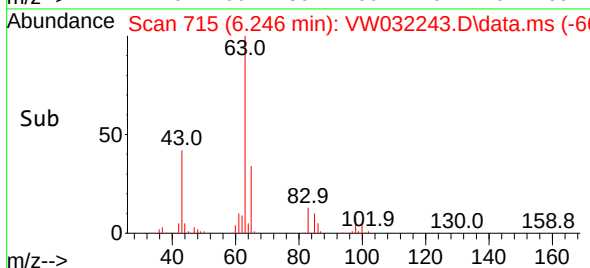
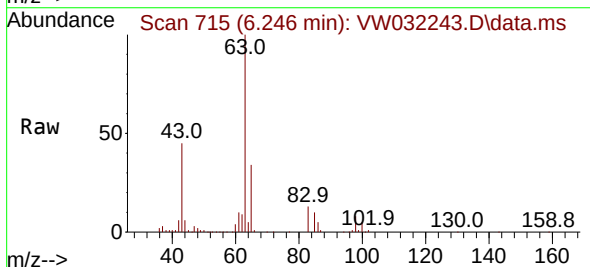
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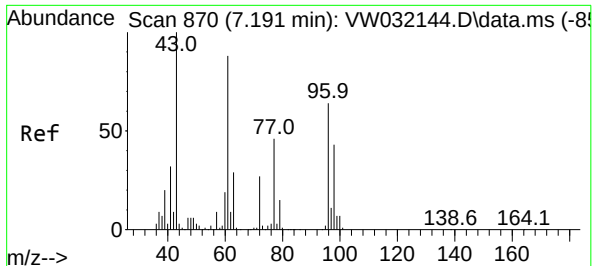
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#24
1,1-Dichloroethane
Concen: 20.339 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 63 Resp: 81848
Ion Ratio Lower Upper
63 100
98 8.5 3.8 11.2
100 4.7 2.5 7.5





#25

2-Butanone

Concen: 96.413 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 43 Resp: 7960

Ion Ratio Lower Upper

43 100

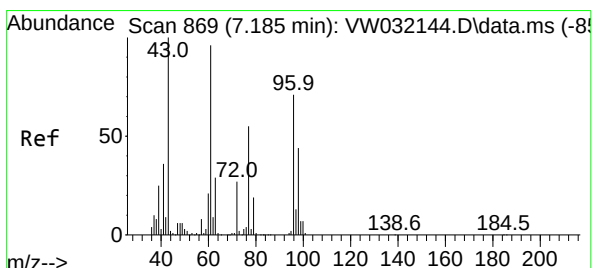
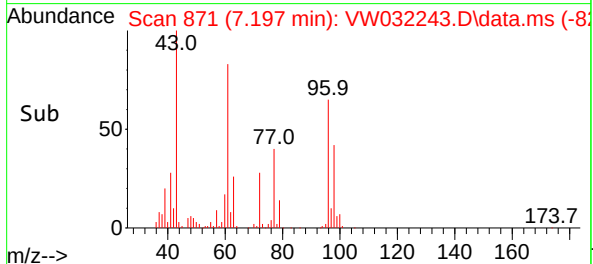
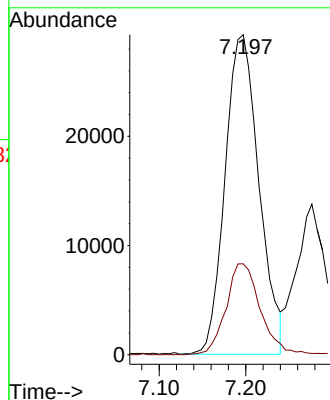
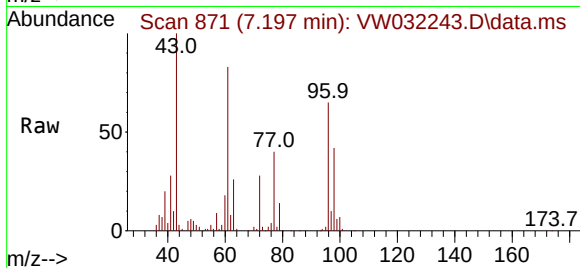
72 28.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#26

2,2-Dichloropropane

Concen: 19.729 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.006 min

Lab File: VW032243.D

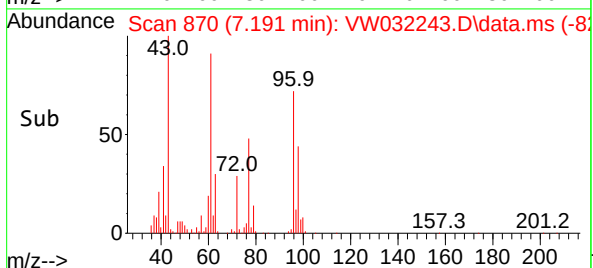
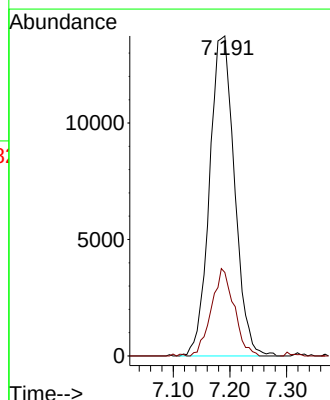
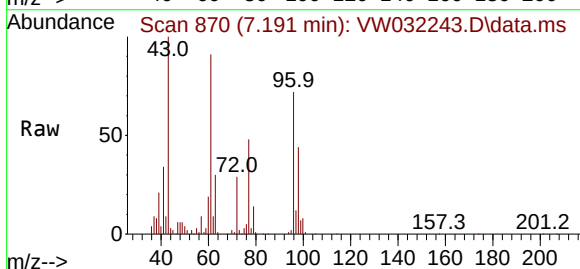
Acq: 24 Sep 2025 15:03

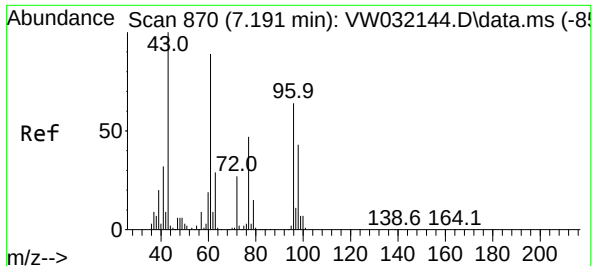
Tgt Ion: 77 Resp: 42044

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.022 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

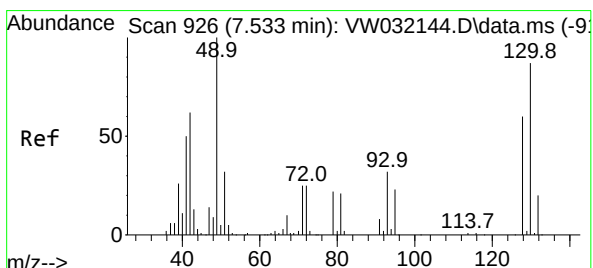
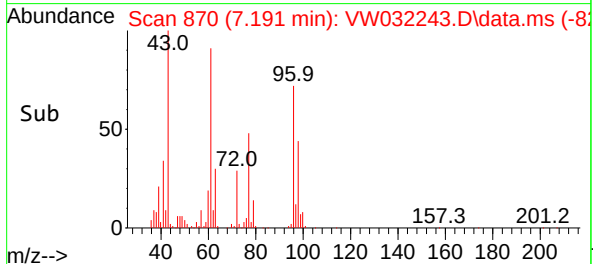
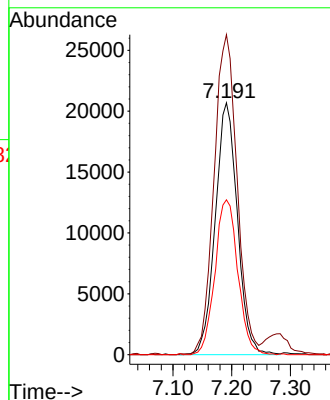
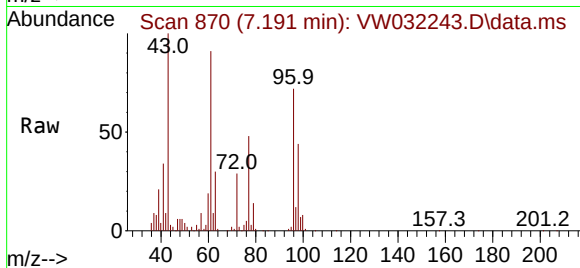
VW0924SBS01

Tgt Ion:	96	Resp:	54110
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	268.0
98	63.6	0.0	130.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#28

Bromochloromethane

Concen: 20.944 ug/l

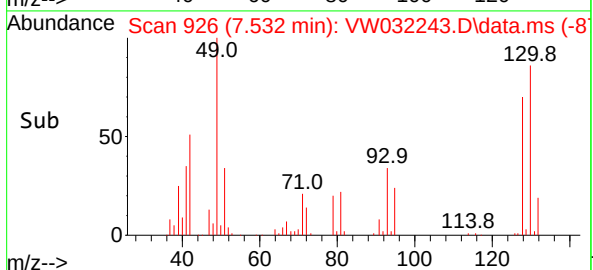
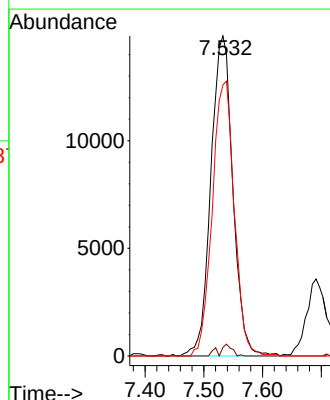
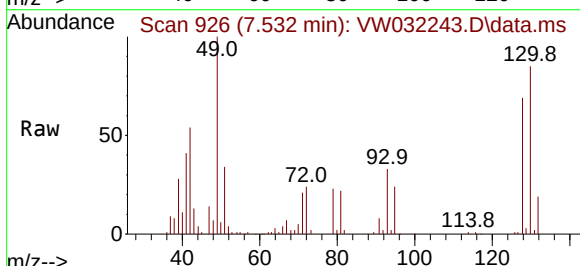
RT: 7.532 min Scan# 926

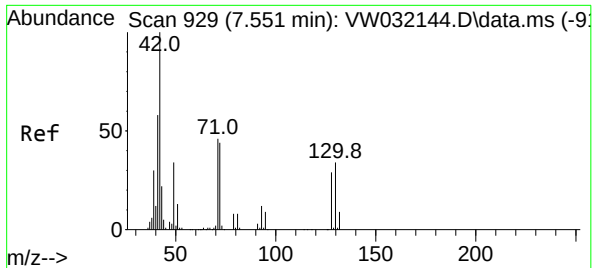
Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Tgt Ion:	49	Resp:	38581
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	86.0	67.5	101.3





#29

Tetrahydrofuran

Concen: 92.832 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 42 Resp: 48708

Ion Ratio Lower Upper

42 100

72 48.6 37.4 56.2

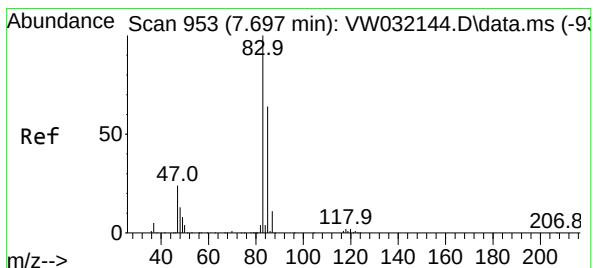
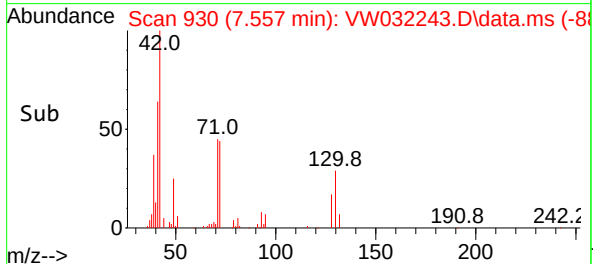
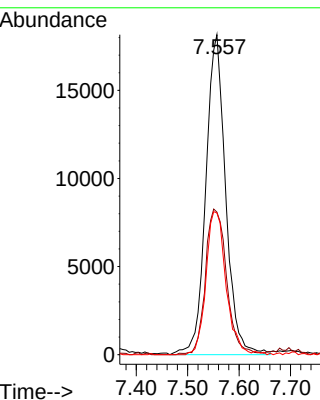
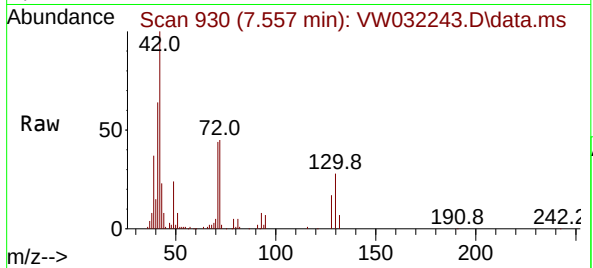
71 44.8 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#30

Chloroform

Concen: 20.487 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.006 min

Lab File: VW032243.D

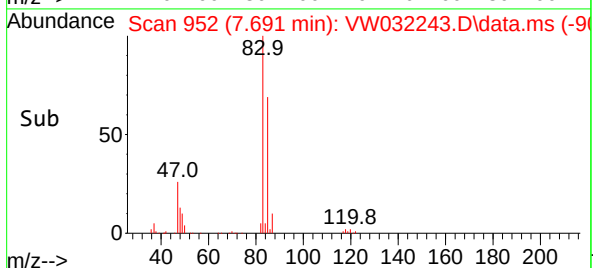
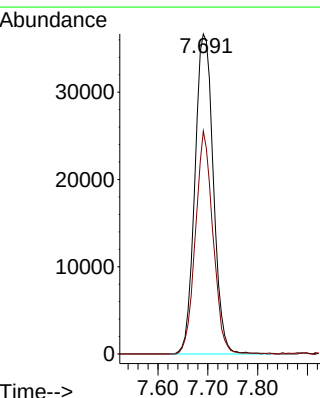
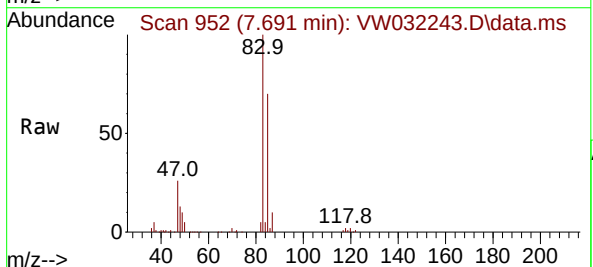
Acq: 24 Sep 2025 15:03

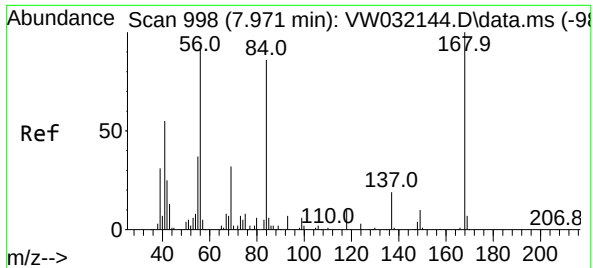
Tgt Ion: 83 Resp: 94126

Ion Ratio Lower Upper

83 100

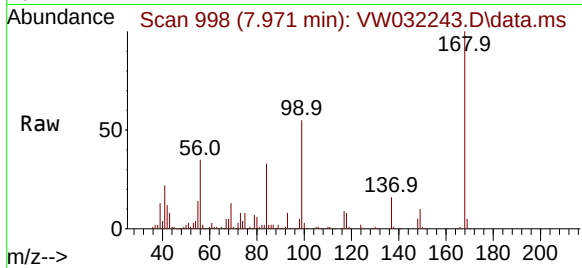
85 69.7 51.2 76.8





#31
Cyclohexane
Concen: 18.846 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

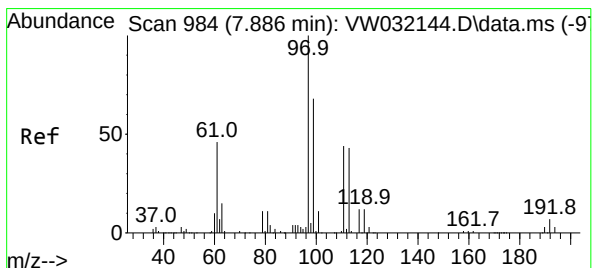
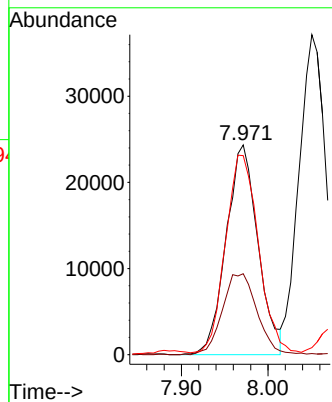
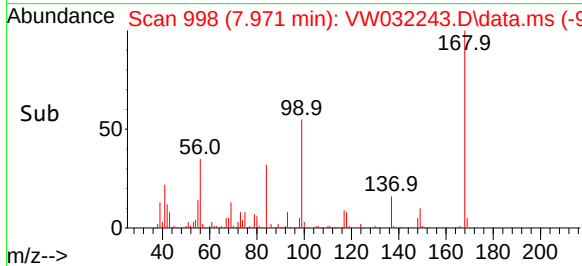
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 56 Resp: 6224
Ion Ratio Lower Upper
56 100
69 38.6 27.7 41.5
84 93.3 74.6 112.0

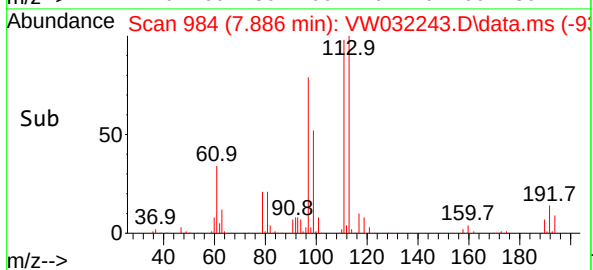
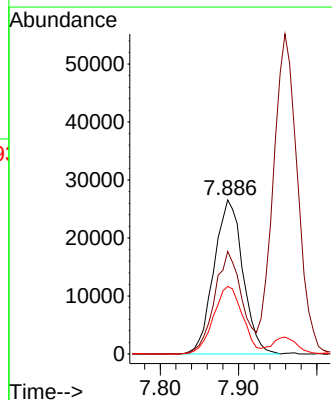
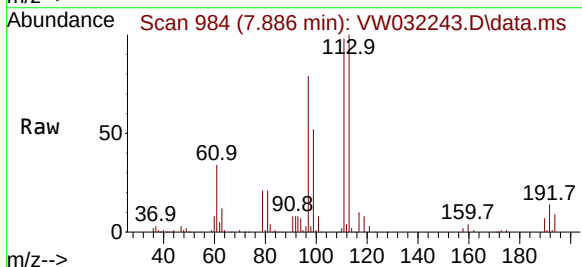
Manual Integrations
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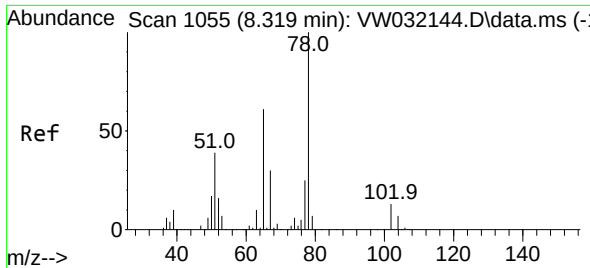
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#32
1,1,1-Trichloroethane
Concen: 20.332 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

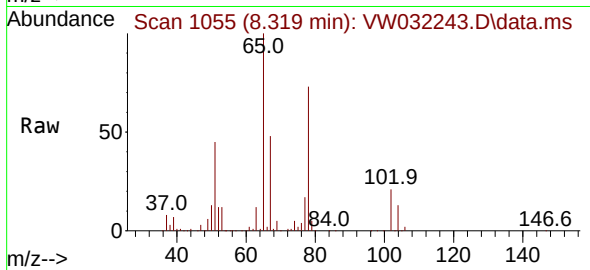
Tgt Ion: 97 Resp: 68192
Ion Ratio Lower Upper
97 100
99 63.5 50.9 76.3
61 44.1 36.2 54.4





#33
1,2-Dichloroethane-d4
Concen: 49.600 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

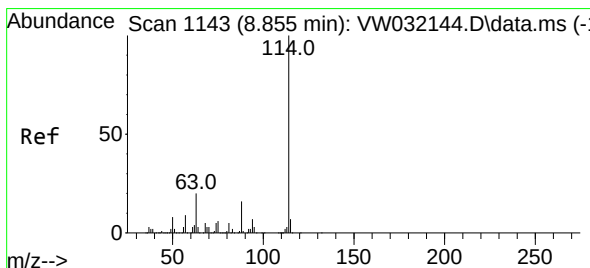
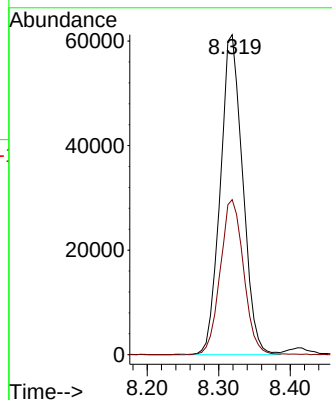
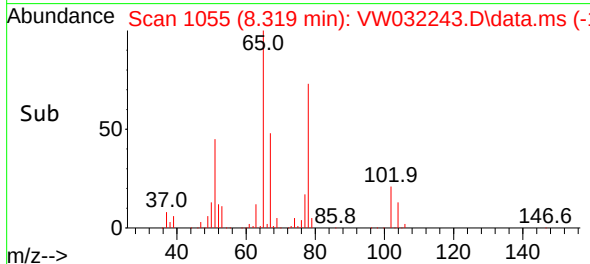
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 65 Resp: 133448
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.6

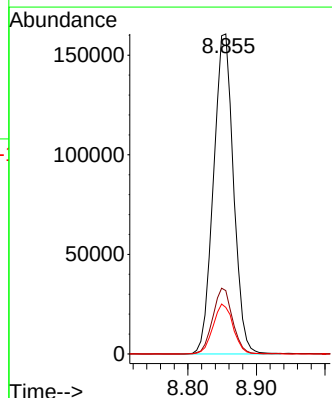
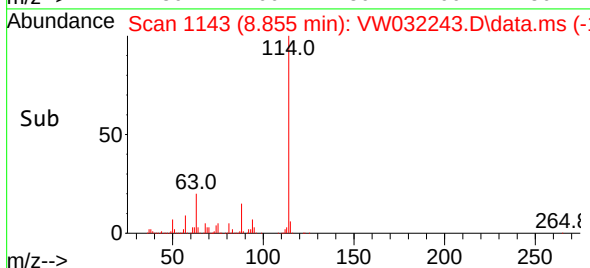
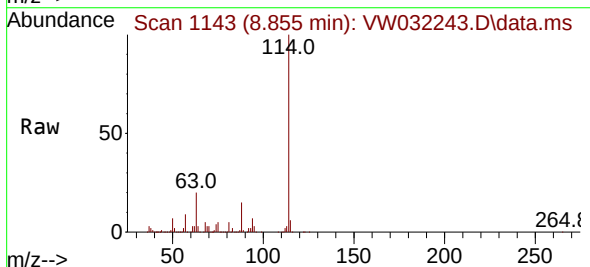
Manual Integrations
APPROVED

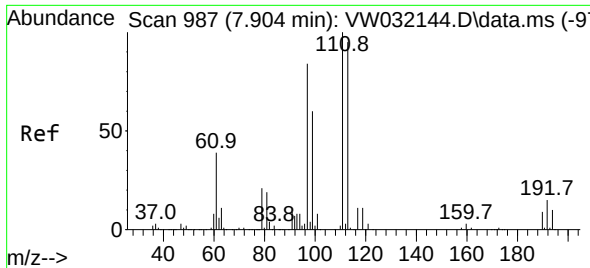
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

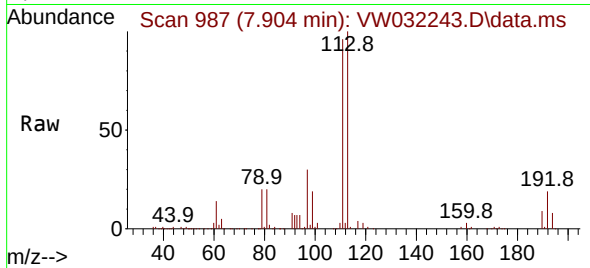
Tgt Ion:114 Resp: 324992
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.4
88 14.6 0.0 32.0





#35
Dibromofluoromethane
Concen: 51.282 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

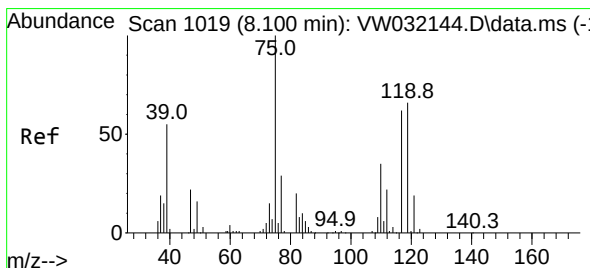
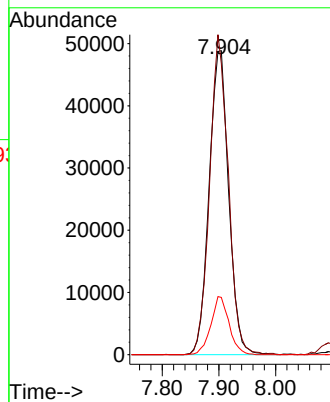
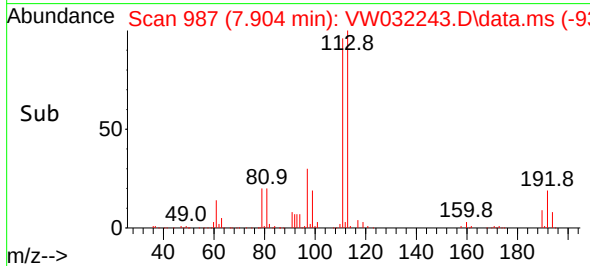
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 113 Resp: 116929
Ion Ratio Lower Upper
113 100
111 100.3 83.9 125.9
192 17.8 14.6 21.8

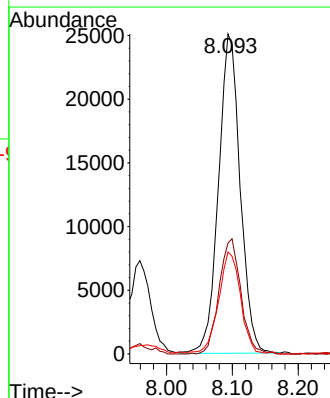
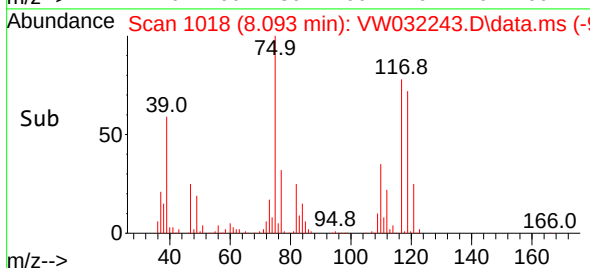
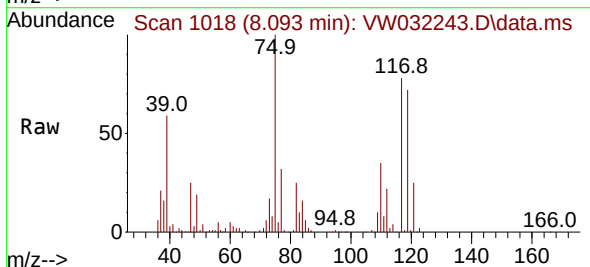
Manual Integrations
APPROVED

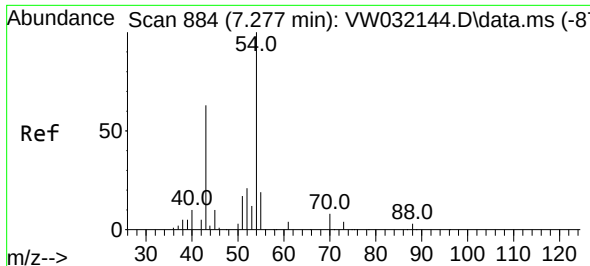
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#36
1,1-Dichloropropene
Concen: 19.429 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 75 Resp: 57438
Ion Ratio Lower Upper
75 100
110 36.3 17.5 52.5
77 31.8 24.1 36.1





#37

Ethyl Acetate

Concen: 19.586 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

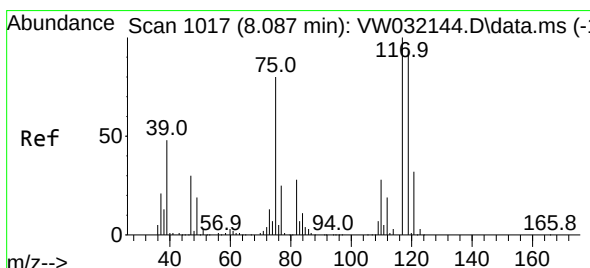
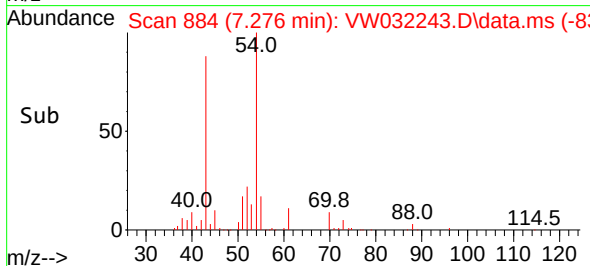
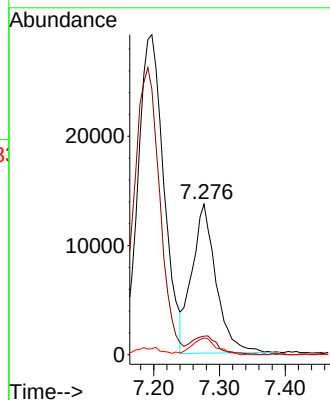
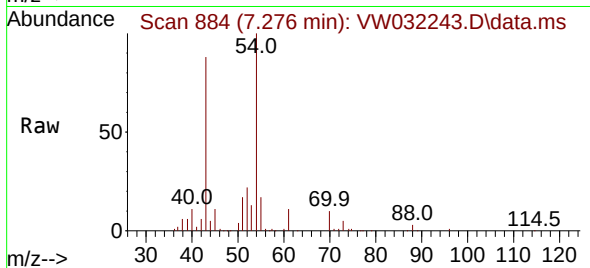
VW0924SBS01

Tgt Ion:	43	Resp:	34730
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	11.5	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#38

Carbon Tetrachloride

Concen: 19.688 ug/l

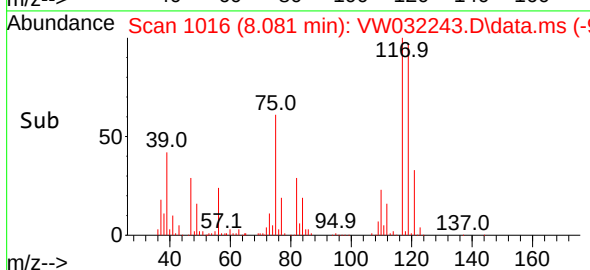
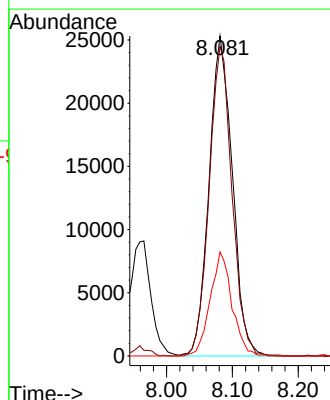
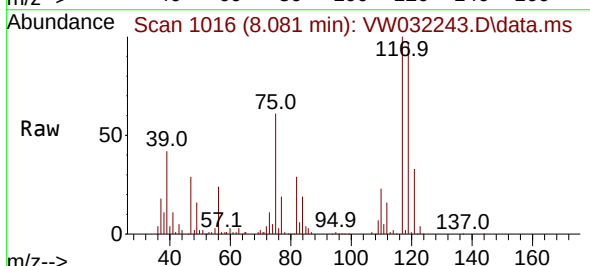
RT: 8.081 min Scan# 1016

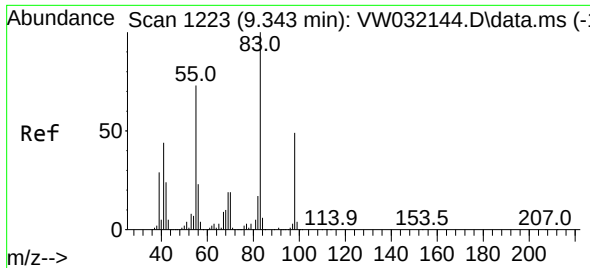
Delta R.T. -0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

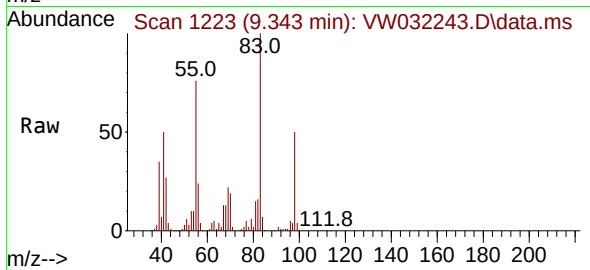
Tgt Ion:	117	Resp:	62396
Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.2	111.2
121	32.5	25.6	38.4





#39
Methylcyclohexane
Concen: 18.503 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

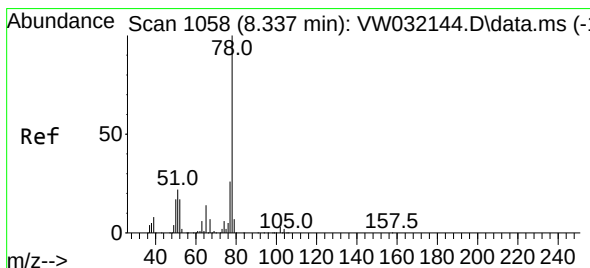
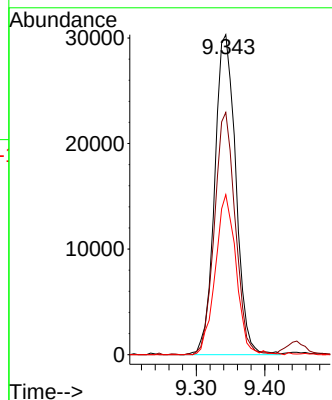
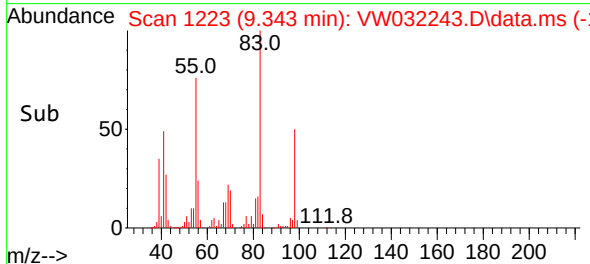
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 83 Resp: 64790
Ion Ratio Lower Upper
83 100
55 75.7 58.4 87.6
98 50.0 39.4 59.2

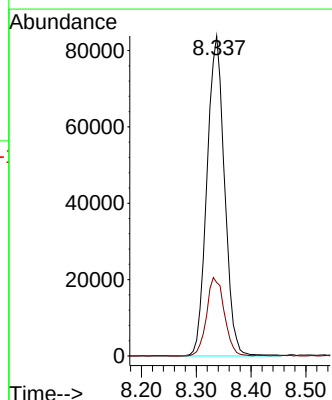
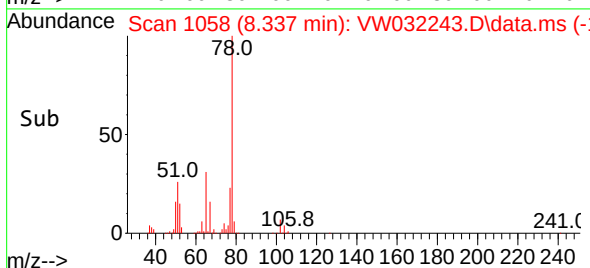
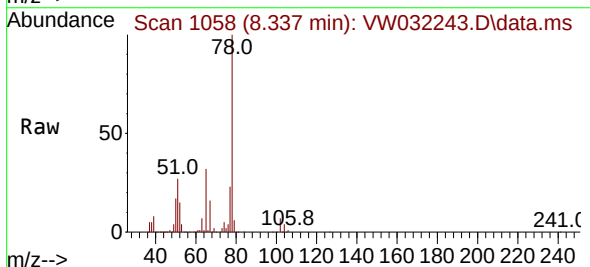
Manual Integrations
APPROVED

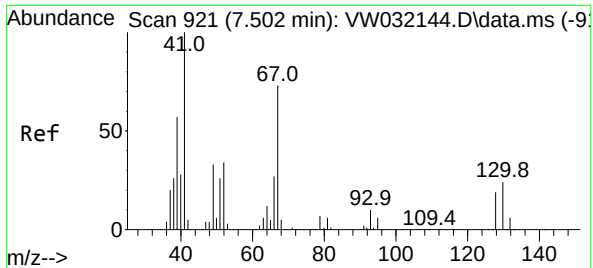
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#40
Benzene
Concen: 20.366 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 78 Resp: 186114
Ion Ratio Lower Upper
78 100
77 23.0 20.7 31.1





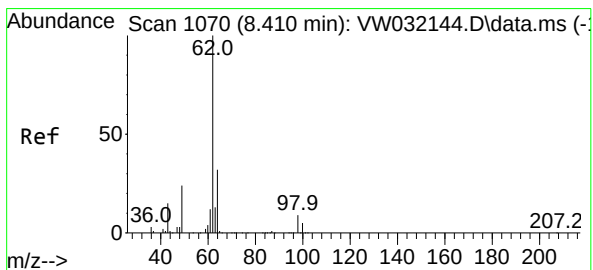
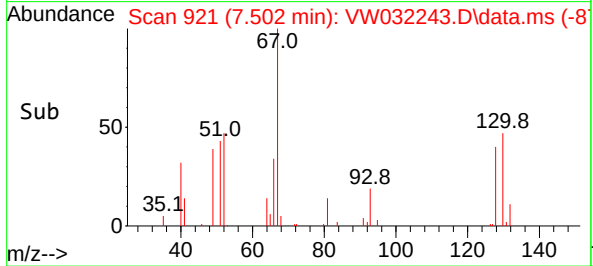
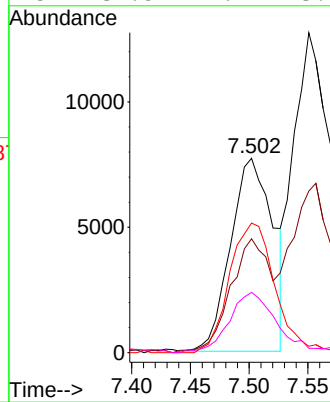
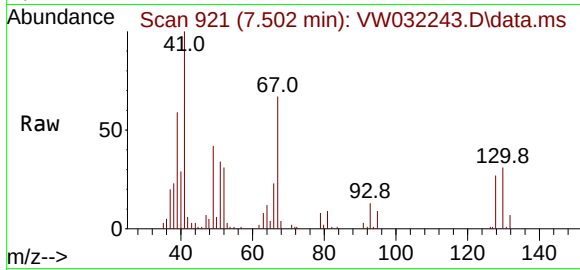
#41
Methacrylonitrile
Concen: 19.556 ug/l
RT: 7.502 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion:	41	Resp:	1926
Ion	Ratio	Lower	Upper
41	100		
39	54.2	50.9	76.3
67	73.1	65.6	98.4
52	34.8	29.1	43.7

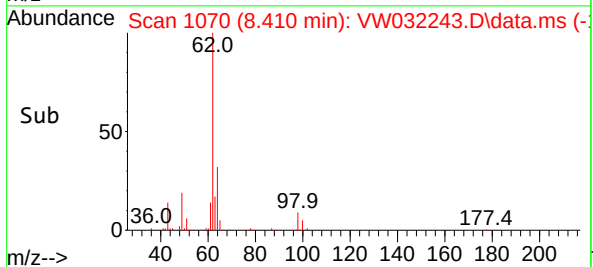
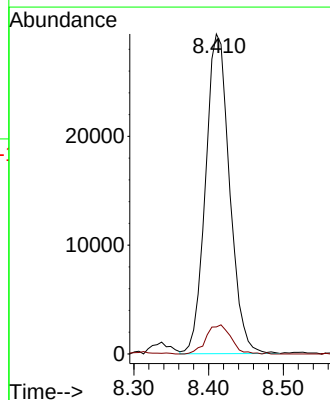
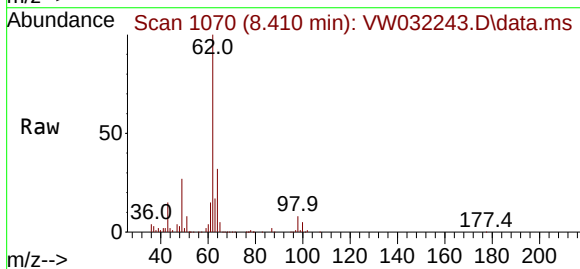
Manual Integrations
APPROVED

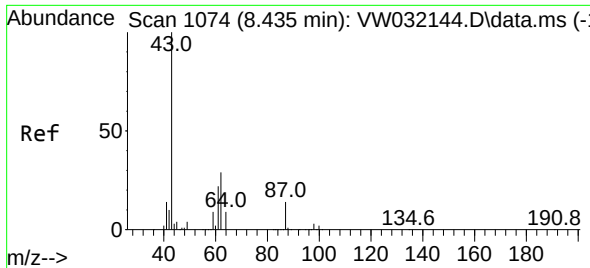
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#42
1,2-Dichloroethane
Concen: 20.696 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

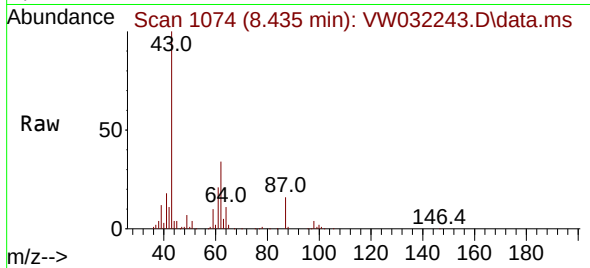
Tgt Ion:	62	Resp:	65566
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43
Isopropyl Acetate
Concen: 17.978 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

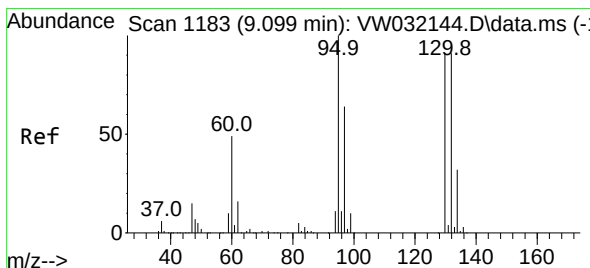
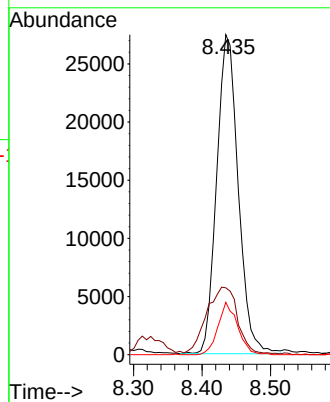
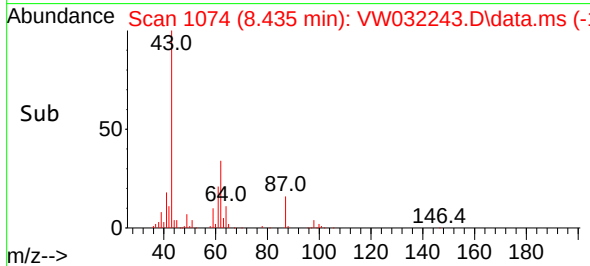
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 43 Resp: 59814
Ion Ratio Lower Upper
43 100
61 30.2 23.3 34.9
87 15.0 11.1 16.7

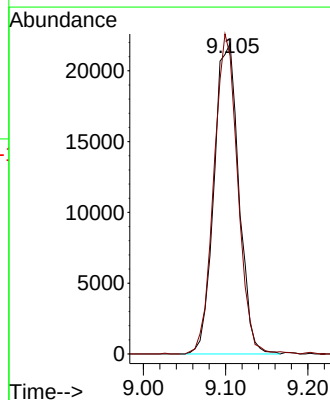
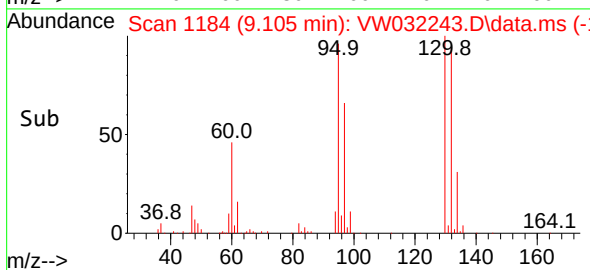
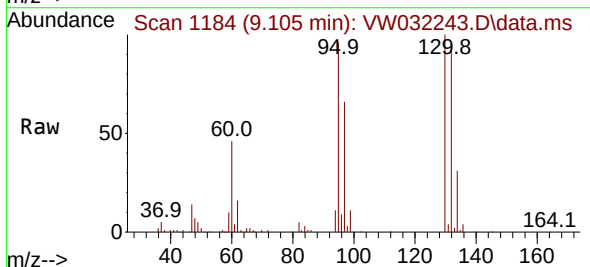
Manual Integrations
APPROVED

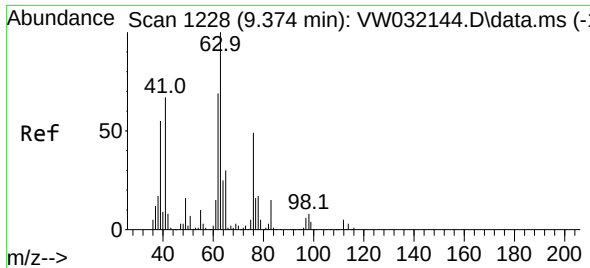
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#44
Trichloroethene
Concen: 19.971 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

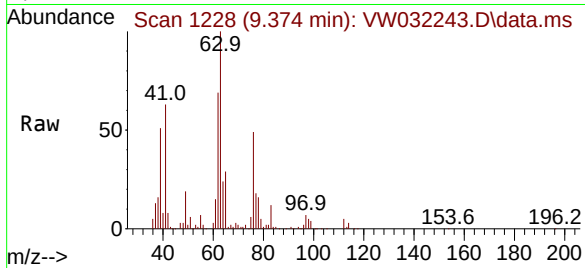
Tgt Ion:130 Resp: 45897
Ion Ratio Lower Upper
130 100
95 96.0 0.0 220.0





#45
1,2-Dichloropropane
Concen: 20.541 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

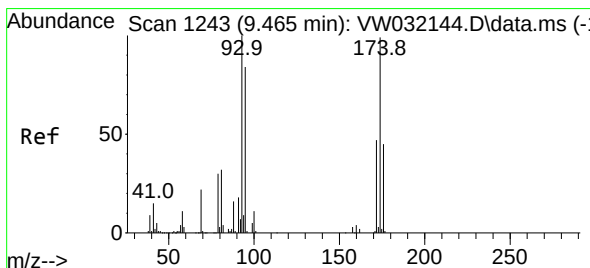
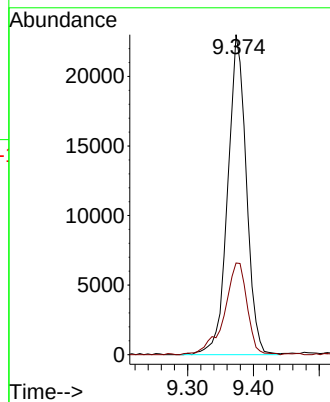
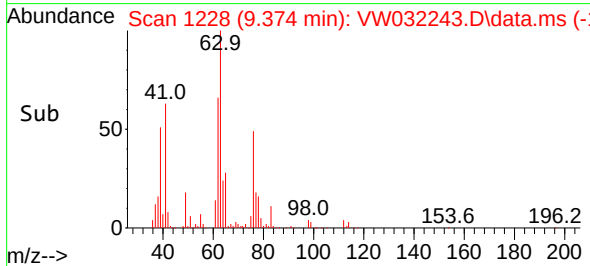
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 63 Resp: 45250
Ion Ratio Lower Upper
63 100
65 28.6 24.3 36.5

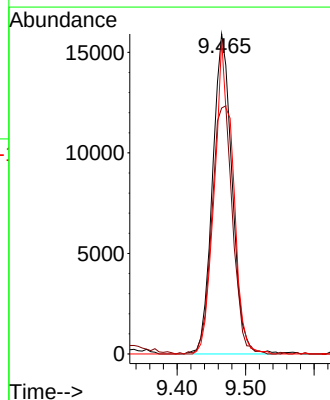
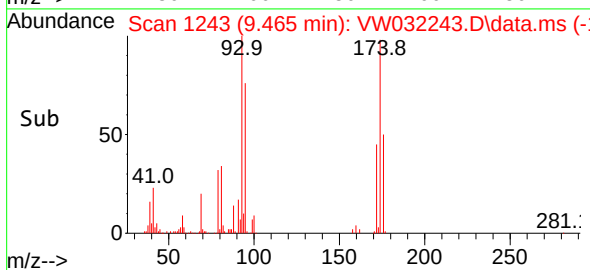
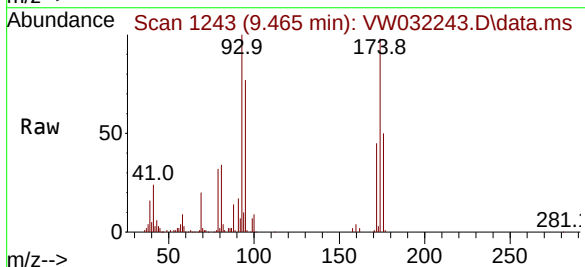
Manual Integrations
APPROVED

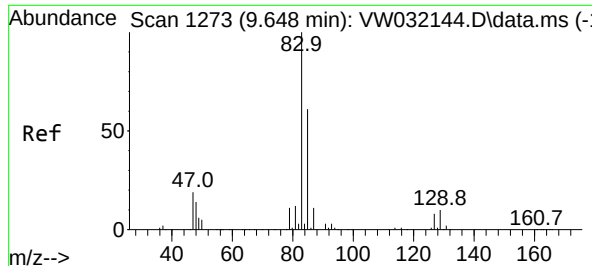
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#46
Dibromomethane
Concen: 20.412 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 93 Resp: 31539
Ion Ratio Lower Upper
93 100
95 83.1 67.4 101.2
174 91.9 75.7 113.5





#47

Bromodichloromethane

Concen: 20.208 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

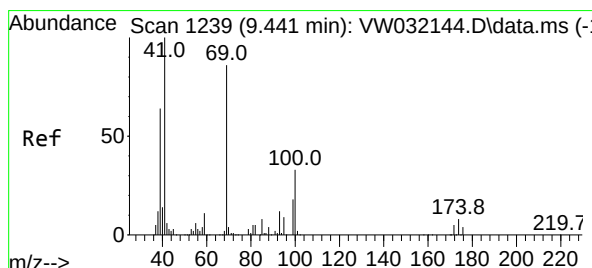
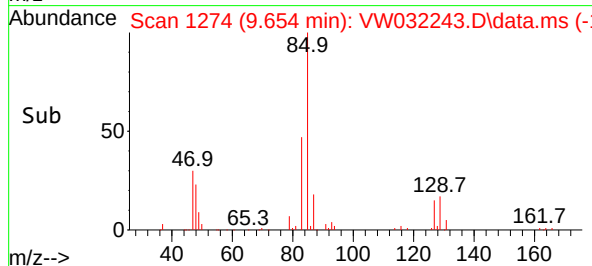
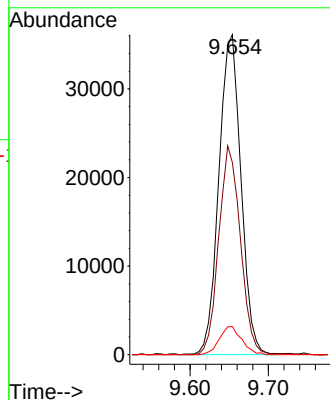
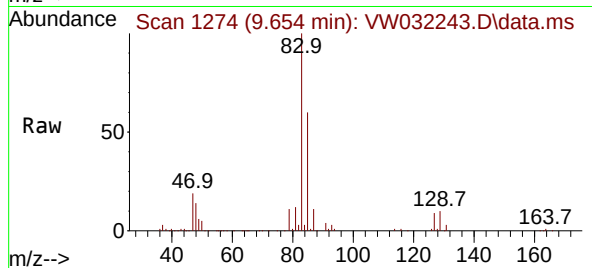
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:	83	Resp:	7095
Ion Ratio	Lower	Upper	
83	100		
85	60.1	48.7	73.1
127	8.8	6.4	9.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#48

Methyl methacrylate

Concen: 18.044 ug/l

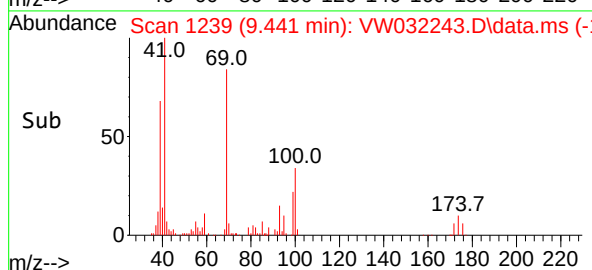
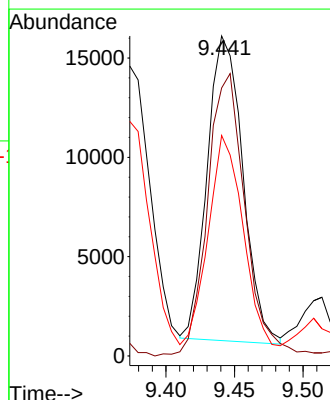
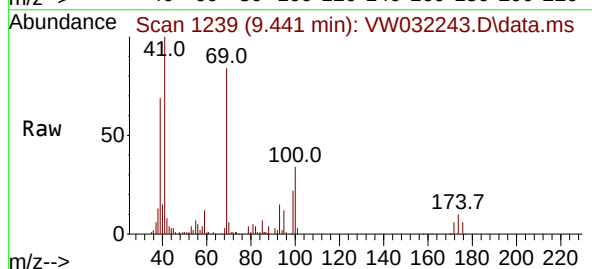
RT: 9.441 min Scan# 1239

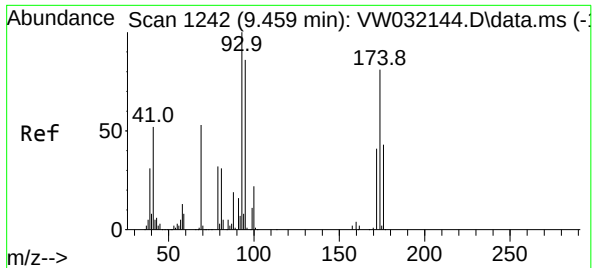
Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Tgt Ion:	41	Resp:	27666
Ion Ratio	Lower	Upper	
41	100		
69	98.6	71.5	107.3
39	73.0	55.9	83.9





#49

1,4-Dioxane

Concen: 384.439 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

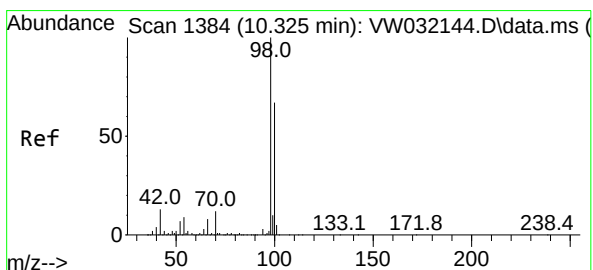
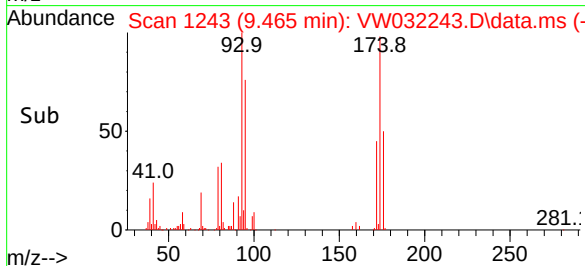
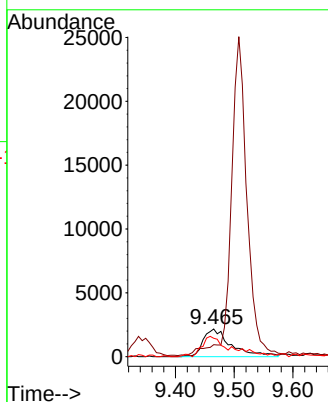
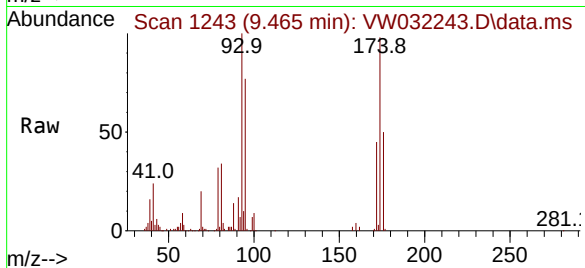
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion	88	Resp:	717
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0
58	49.9	55.4	83.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#50

Toluene-d8

Concen: 49.168 ug/l

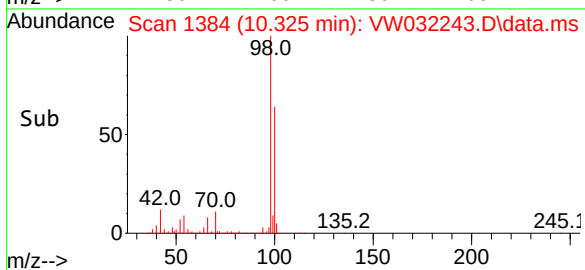
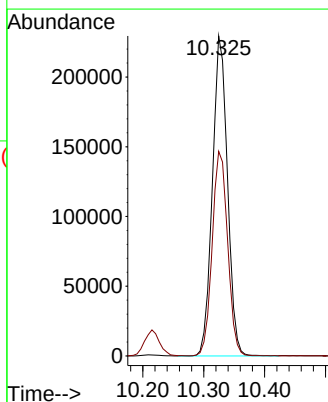
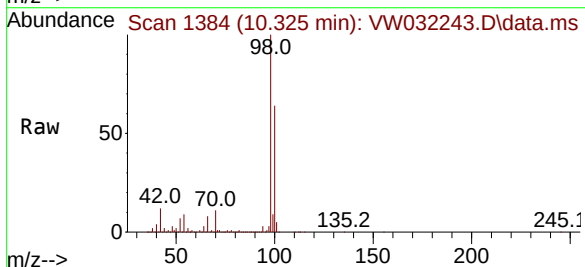
RT: 10.325 min Scan# 1384

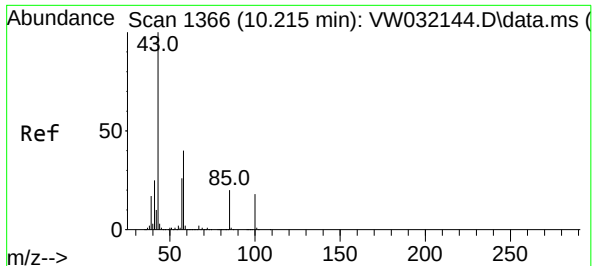
Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

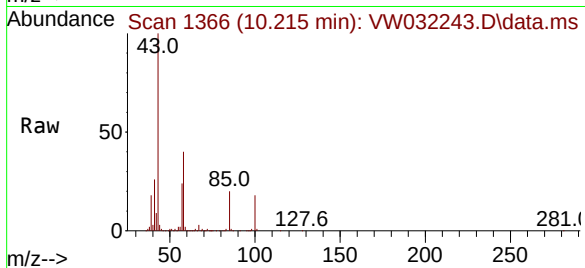
Tgt Ion	98	Resp:	393556
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 95.902 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

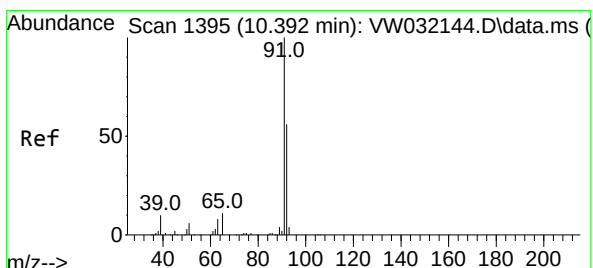
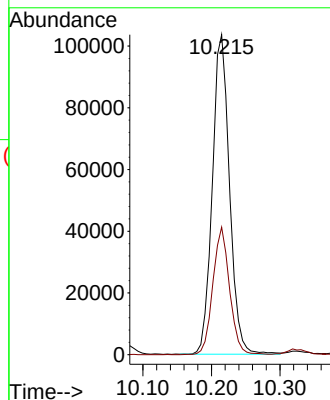
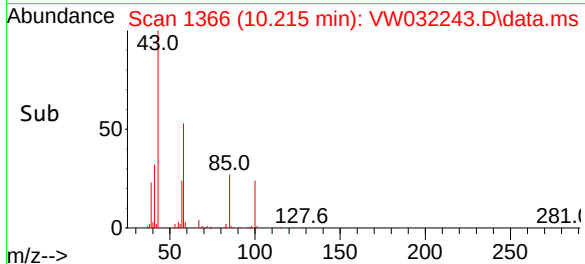
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 43 Resp: 180160
Ion Ratio Lower Upper
43 100
58 38.9 32.0 48.0

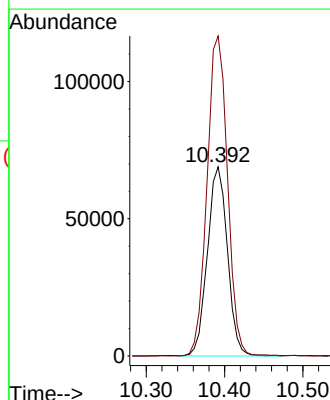
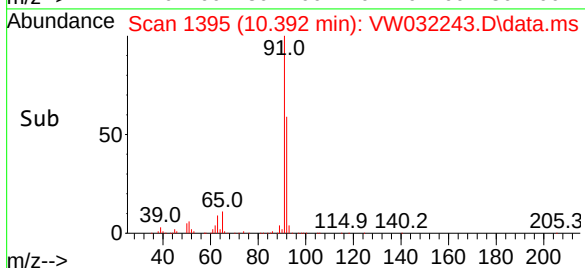
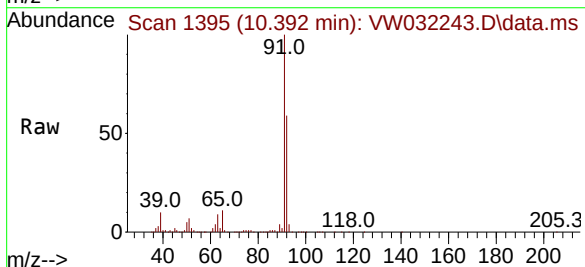
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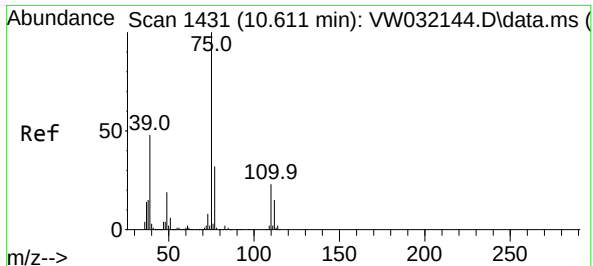
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#52
Toluene
Concen: 20.494 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

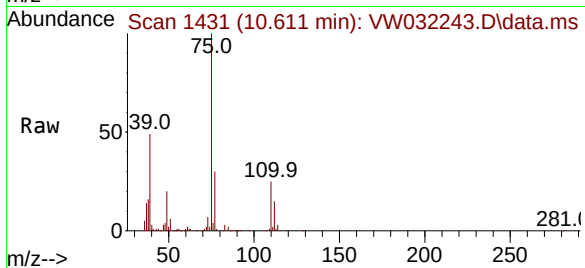
Tgt Ion: 92 Resp: 122386
Ion Ratio Lower Upper
92 100
91 172.9 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 19.239 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

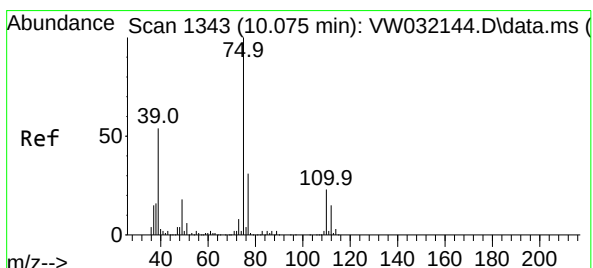
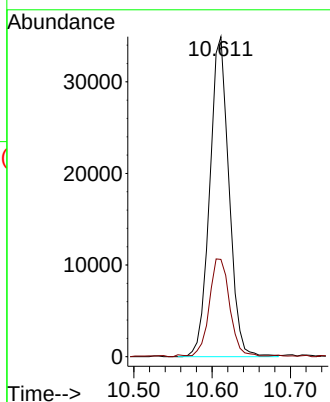
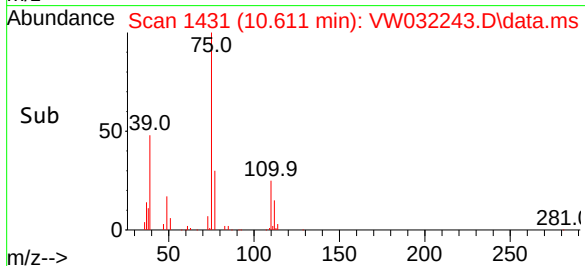
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



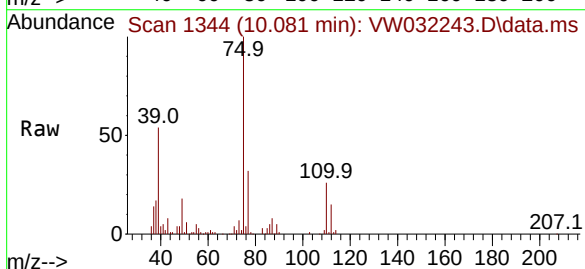
Tgt Ion: 75 Resp: 5959
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4

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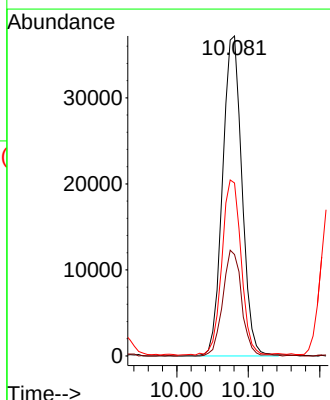
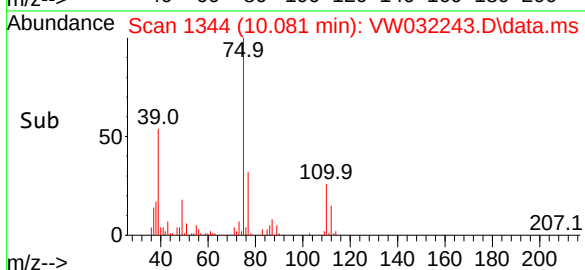
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

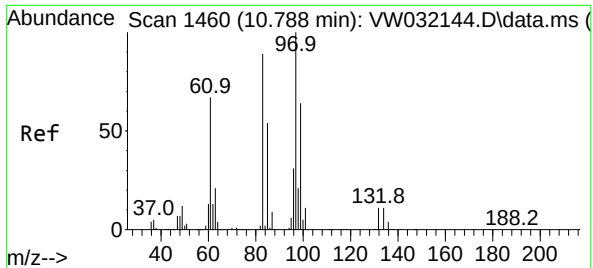


#54
cis-1,3-Dichloropropene
Concen: 19.798 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



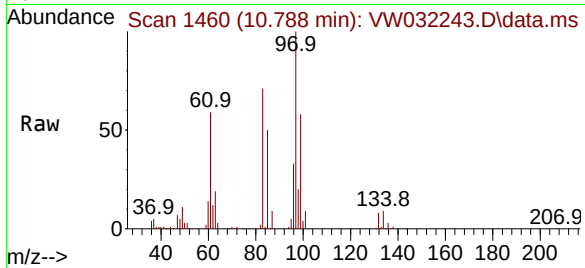
Tgt Ion: 75 Resp: 69975
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 53.8 43.2 64.8





#55
1,1,2-Trichloroethane
Concen: 20.529 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

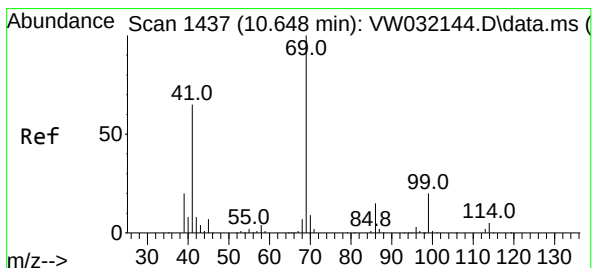
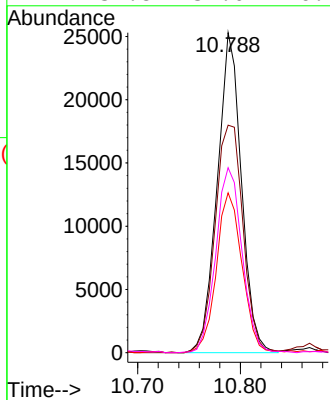
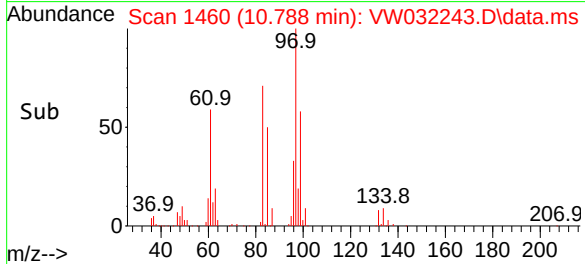
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



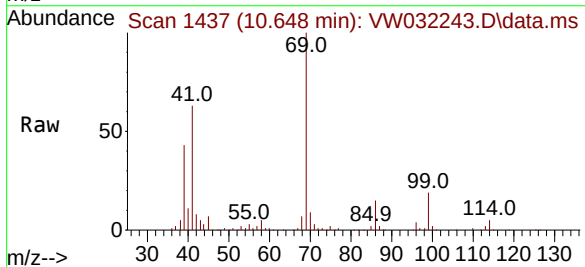
Tgt Ion: 97 Resp: 41248
Ion Ratio Lower Upper
97 100
83 71.1 71.0 106.6
85 50.0 42.8 64.2
99 57.8 51.0 76.6

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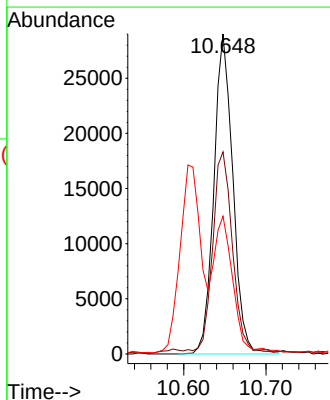
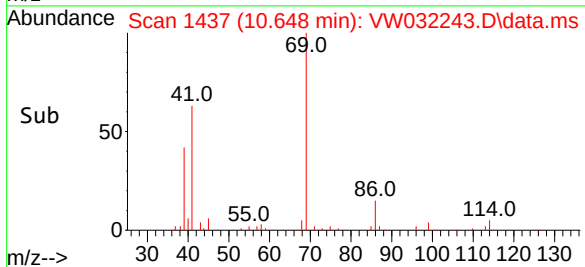
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

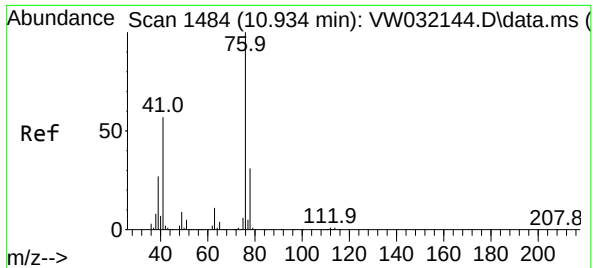


#56
Ethyl methacrylate
Concen: 18.185 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



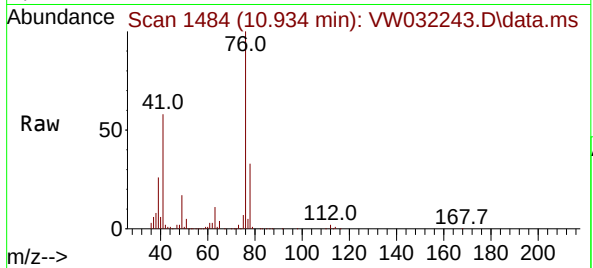
Tgt Ion: 69 Resp: 46712
Ion Ratio Lower Upper
69 100
41 64.2 53.2 79.8
39 41.9 32.9 49.3





#57
1,3-Dichloropropane
Concen: 19.639 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

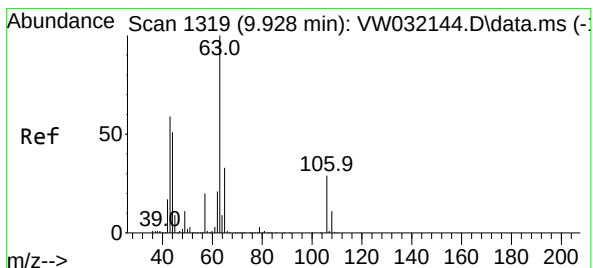
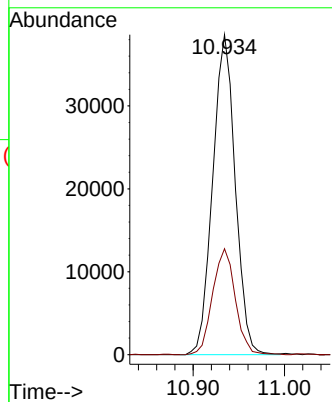
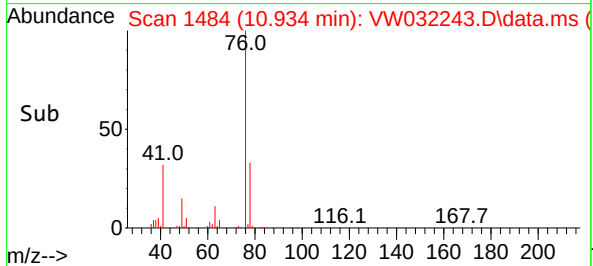
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 76 Resp: 6607
Ion Ratio Lower Upper
76 100
78 33.3 26.2 39.4

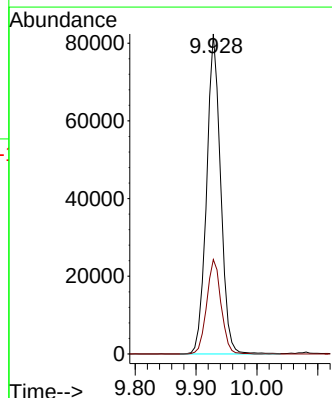
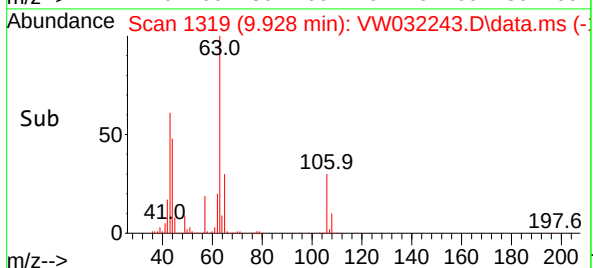
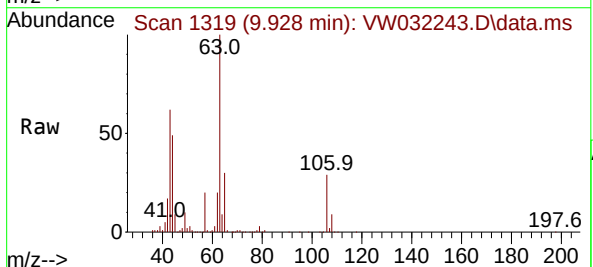
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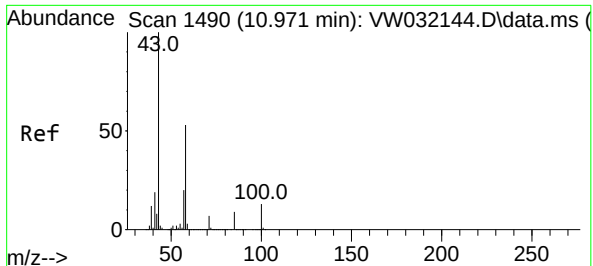
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#58
2-Chloroethyl Vinyl ether
Concen: 96.303 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

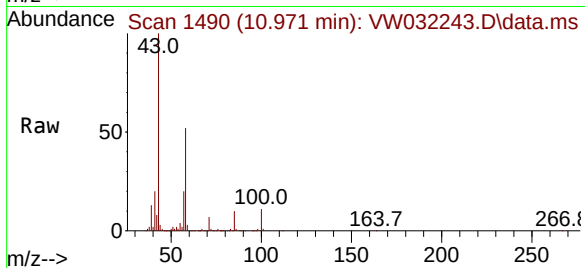
Tgt Ion: 63 Resp: 132038
Ion Ratio Lower Upper
63 100
106 30.2 24.3 36.5





#59
2-Hexanone
Concen: 95.652 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

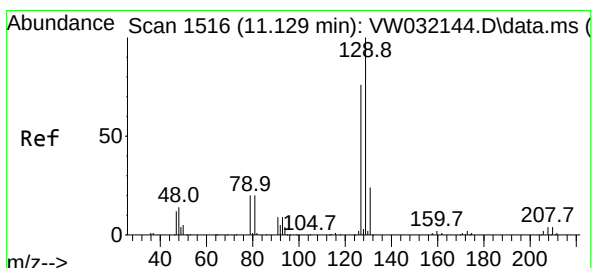
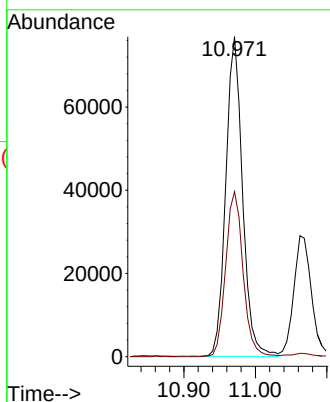
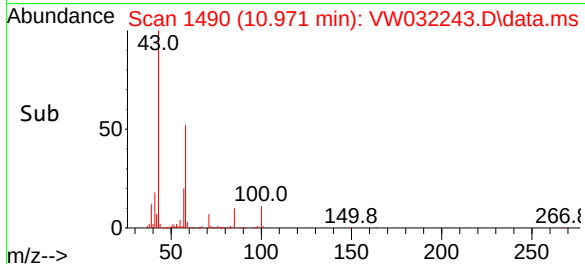
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



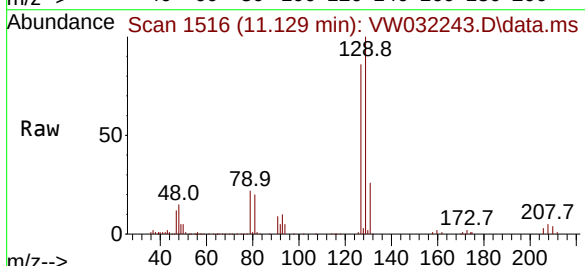
Tgt Ion: 43 Resp: 124975
Ion Ratio Lower Upper
43 100
58 53.6 27.5 82.4

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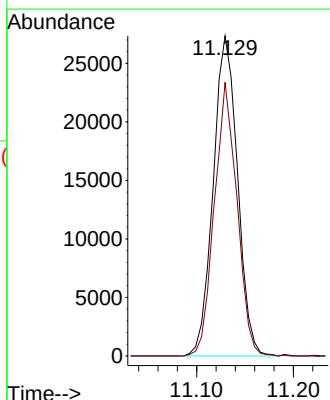
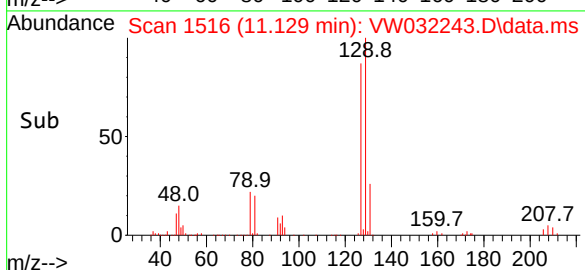
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

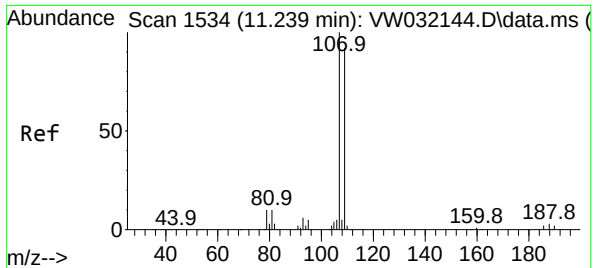


#60
Dibromochloromethane
Concen: 19.648 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



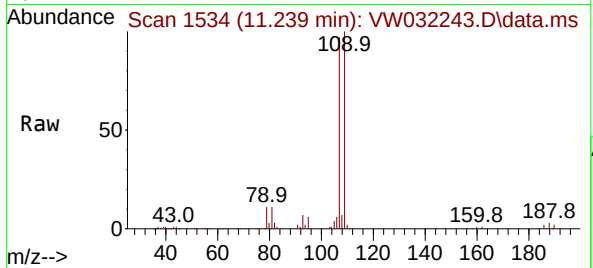
Tgt Ion:129 Resp: 47769
Ion Ratio Lower Upper
129 100
127 79.5 38.1 114.5





#61
1,2-Dibromoethane
Concen: 19.759 ug/l
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

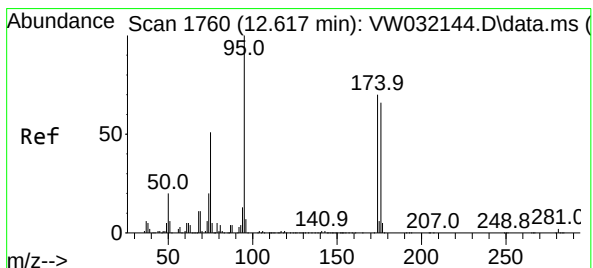
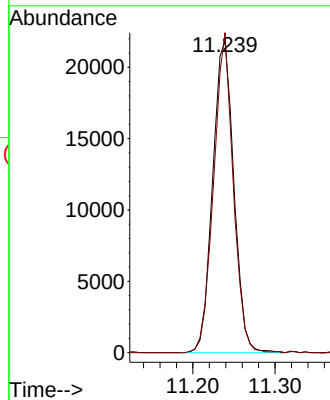
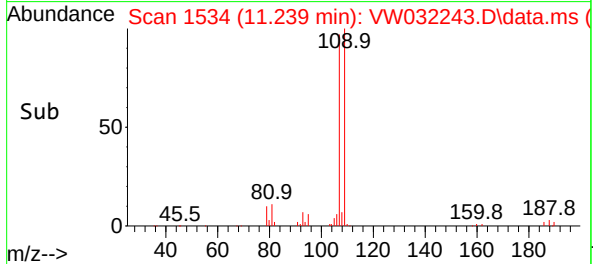
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion:107 Resp: 3904
Ion Ratio Lower Upper
107 100
109 95.1 74.5 111.7

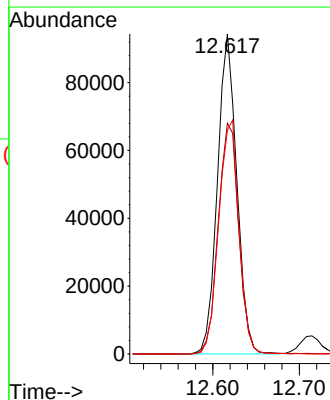
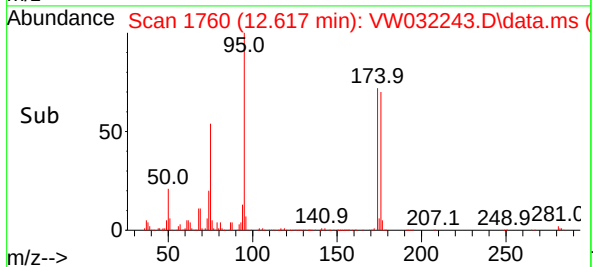
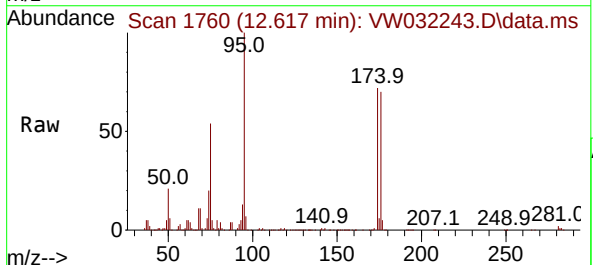
Manual Integrations
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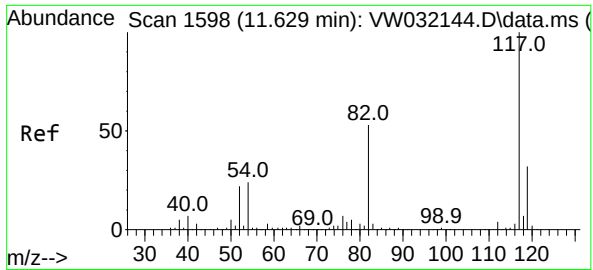
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

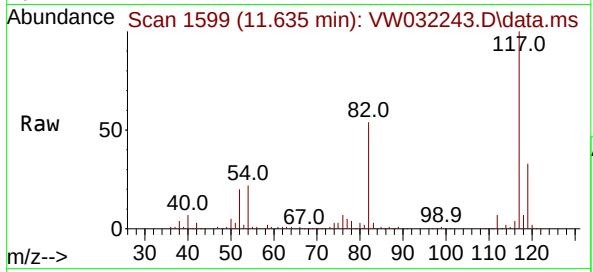
Tgt Ion: 95 Resp: 145892
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.6
176 76.4 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11635
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

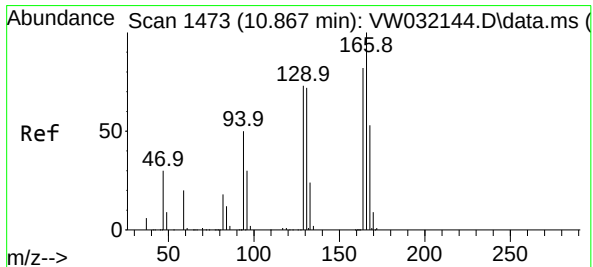
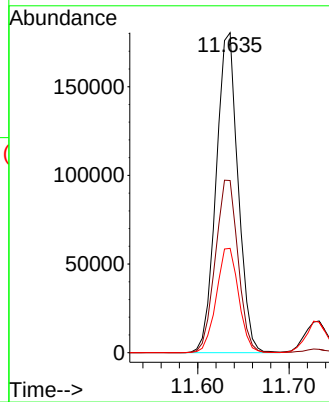
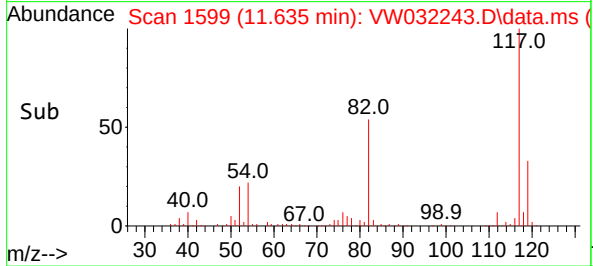
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



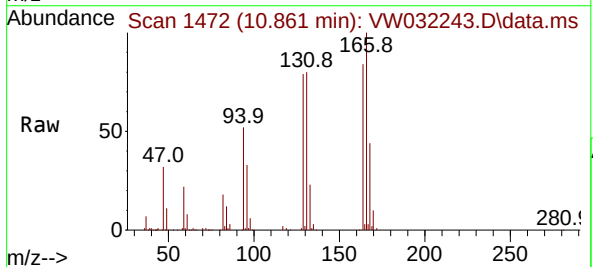
Tgt Ion:117 Resp: 301220
Ion Ratio Lower Upper
117 100
82 53.8 42.7 64.1
119 32.6 25.2 37.8

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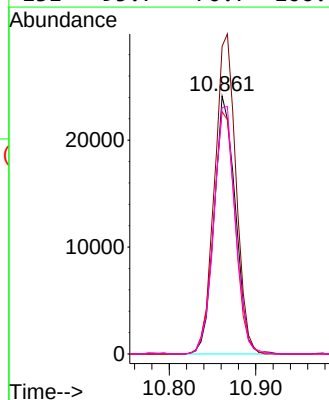
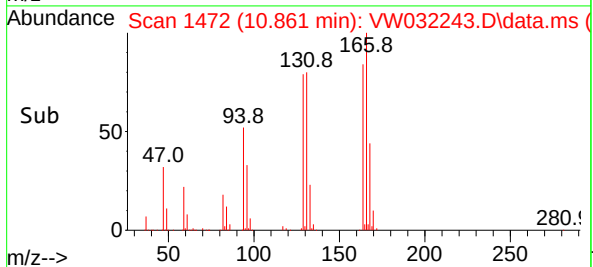
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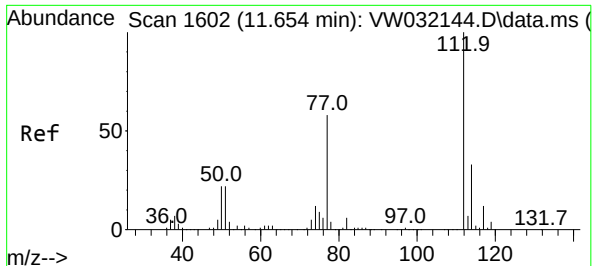


#64
Tetrachloroethene
Concen: 20.668 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



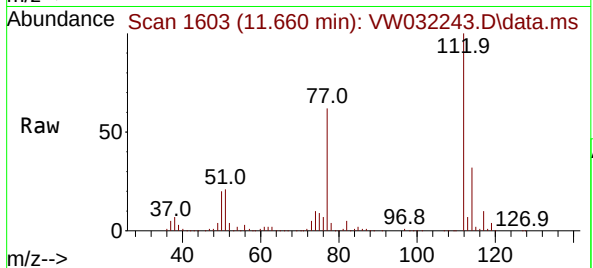
Tgt Ion:164 Resp: 40975
Ion Ratio Lower Upper
164 100
166 119.4 97.5 146.3
129 94.0 71.2 106.8
131 95.7 70.7 106.1





#65
Chlorobenzene
Concen: 19.847 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

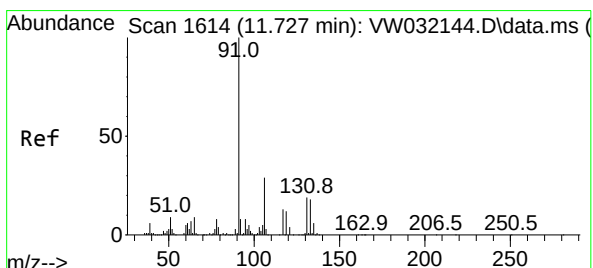
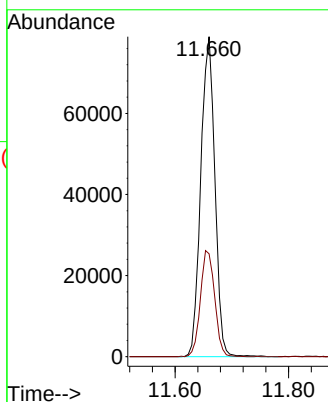
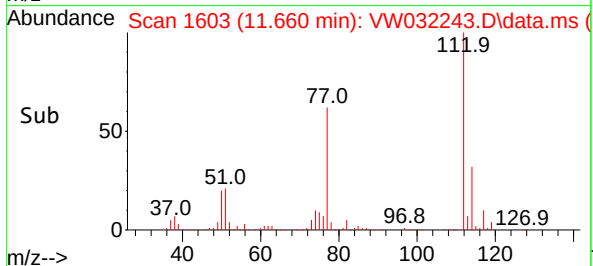
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



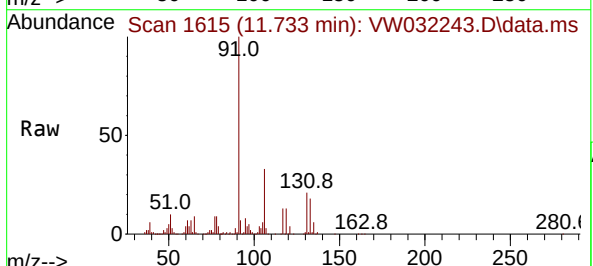
Tgt Ion:112 Resp: 13607
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

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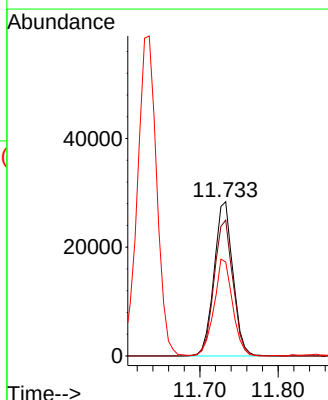
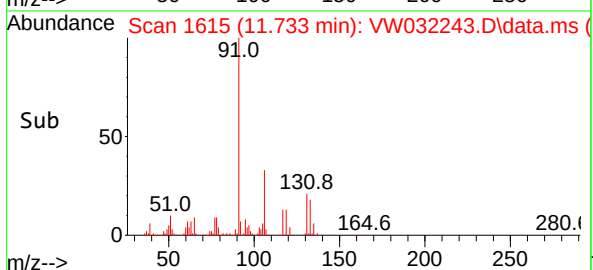
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

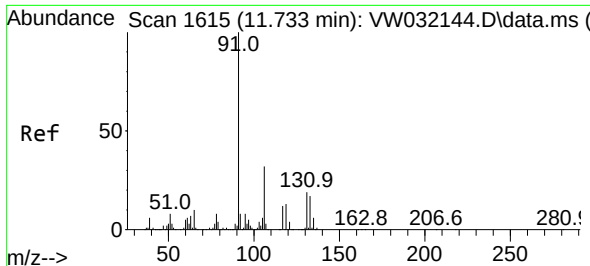


#66
1,1,1,2-Tetrachloroethane
Concen: 21.043 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



Tgt Ion:131 Resp: 47500
Ion Ratio Lower Upper
131 100
133 88.8 47.7 143.1
119 61.8 32.8 98.3





#67

Ethyl Benzene

Concen: 19.722 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 91 Resp: 221550

Ion Ratio Lower Upper

91 100

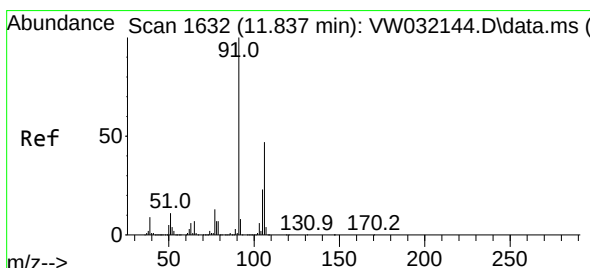
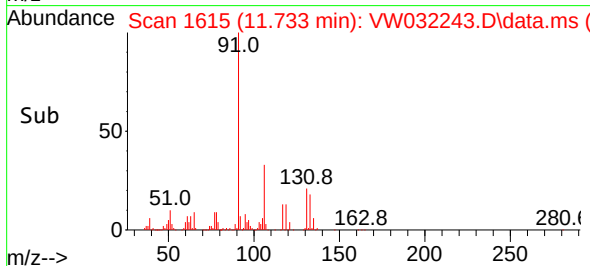
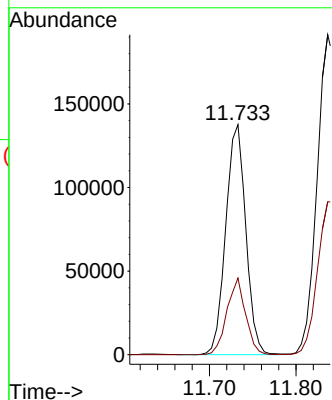
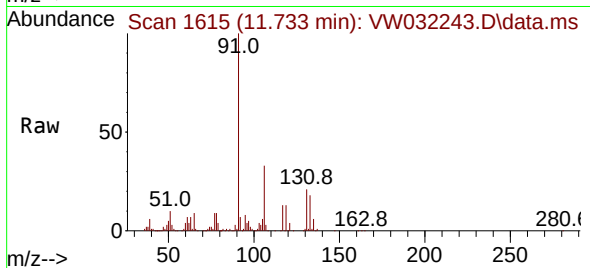
106 33.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#68

m/p-Xylenes

Concen: 40.874 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032243.D

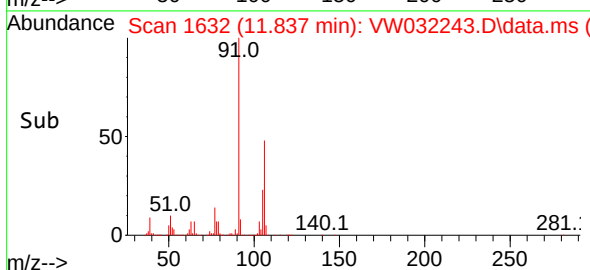
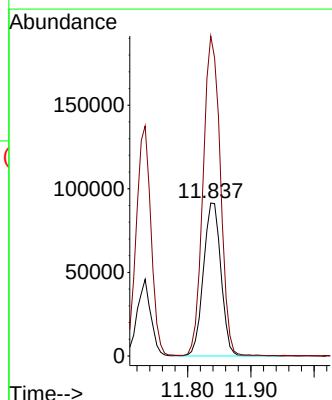
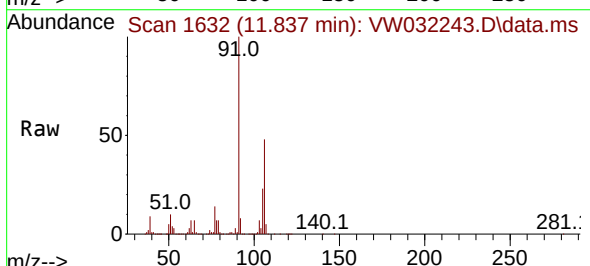
Acq: 24 Sep 2025 15:03

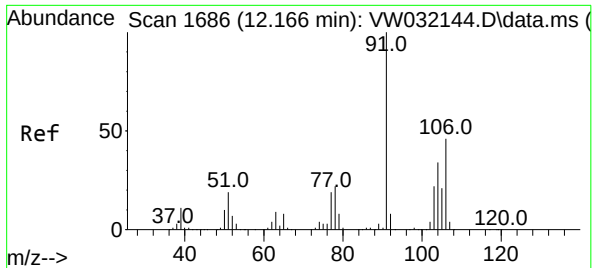
Tgt Ion:106 Resp: 176714

Ion Ratio Lower Upper

106 100

91 206.0 164.2 246.2





#69

o-Xylene

Concen: 19.870 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:106 Resp: 81258

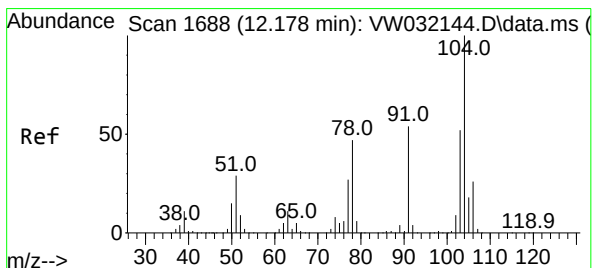
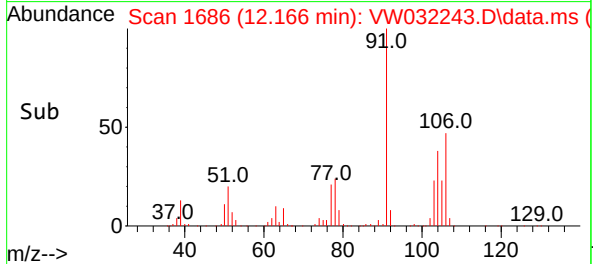
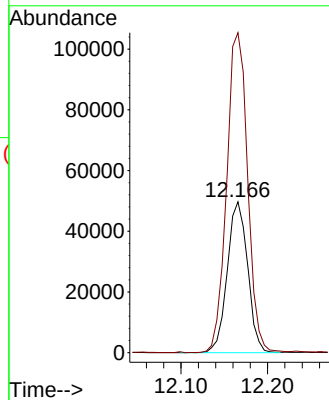
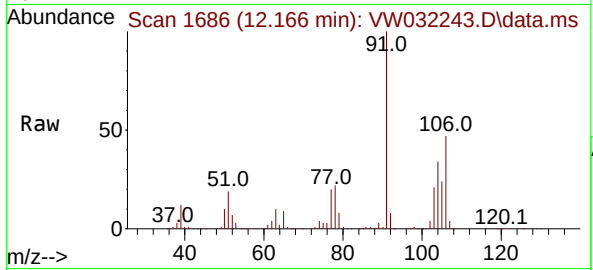
Ion Ratio Lower Upper

106 100

91 217.7 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#70

Styrene

Concen: 20.271 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

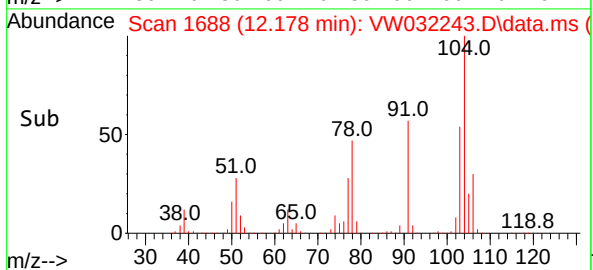
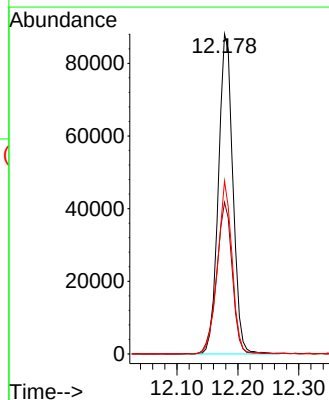
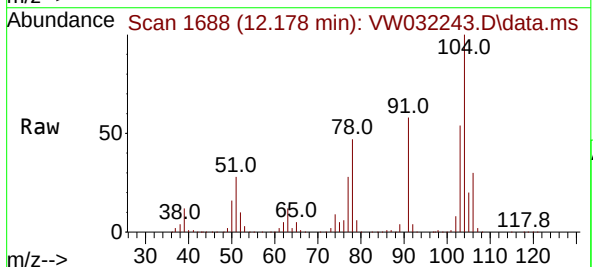
Tgt Ion:104 Resp: 146130

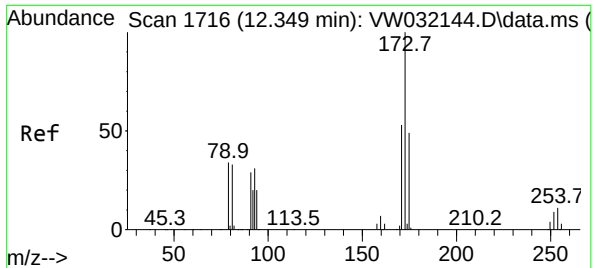
Ion Ratio Lower Upper

104 100

78 50.8 41.6 62.4

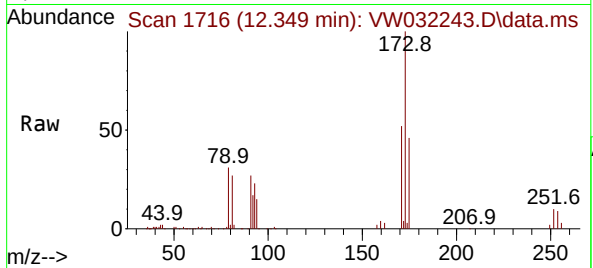
103 54.1 44.8 67.2





#71
Bromoform
Concen: 20.070 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

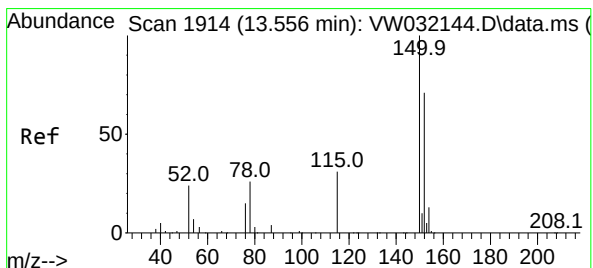
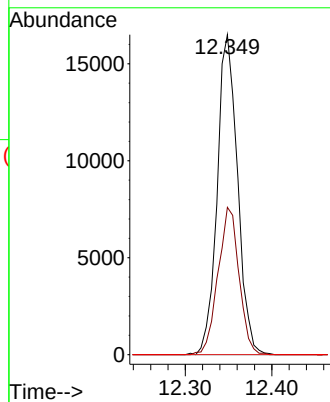
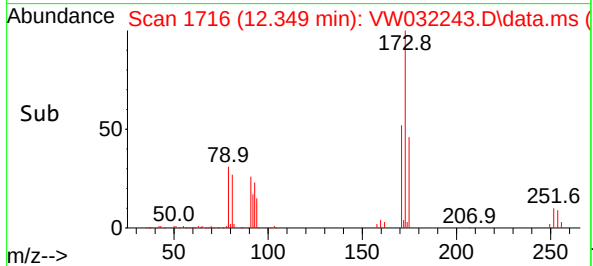
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



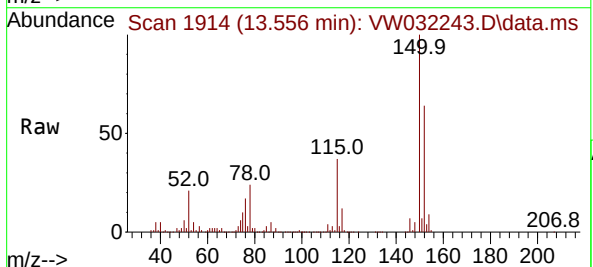
Tgt Ion:173 Resp: 2690
Ion Ratio Lower Upper
173 100
175 47.6 24.9 74.7
254 0.0 0.2 0.2

Manual Integrations
APPROVED

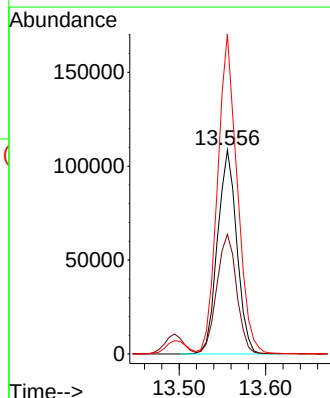
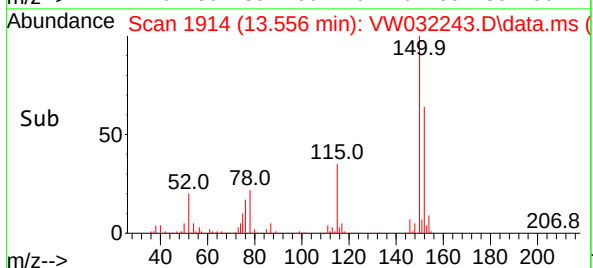
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

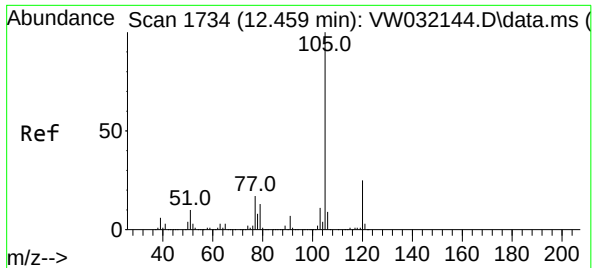


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



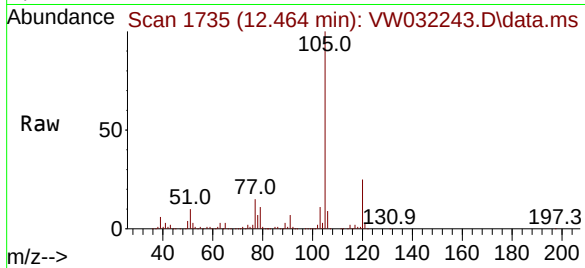
Tgt Ion:152 Resp: 167865
Ion Ratio Lower Upper
152 100
115 60.8 31.8 95.4
150 160.6 0.0 343.0





#73
Isopropylbenzene
Concen: 18.211 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

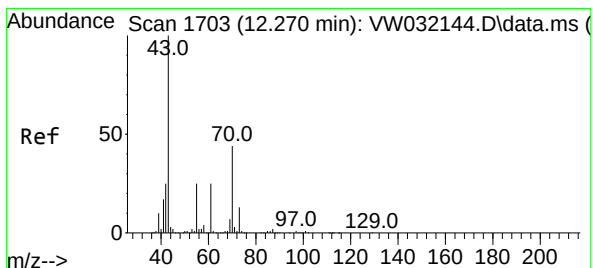
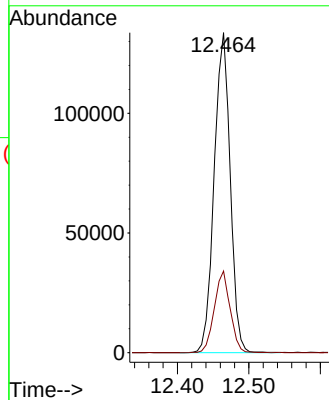
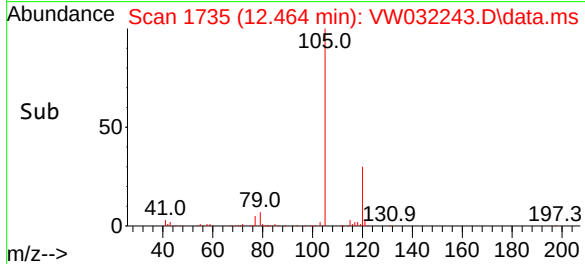
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion:105 Resp: 20768
Ion Ratio Lower Upper
105 100
120 25.2 13.0 38.9

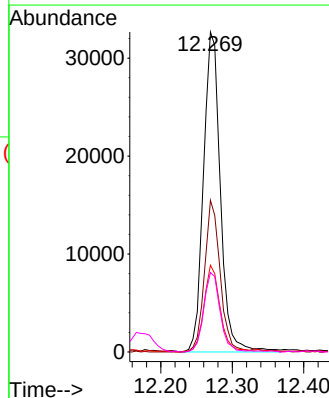
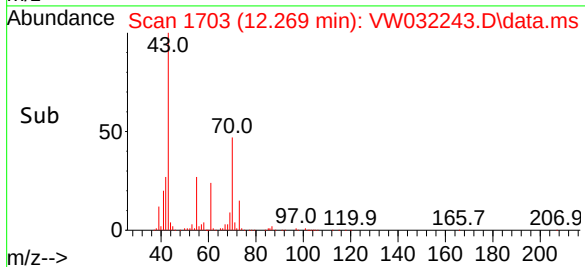
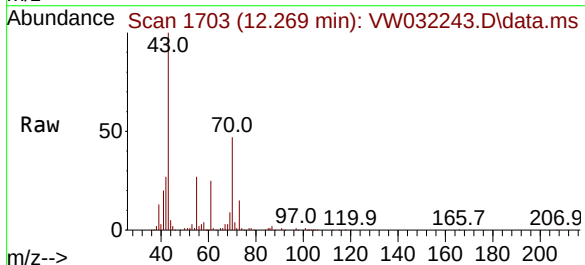
Manual Integrations
APPROVED

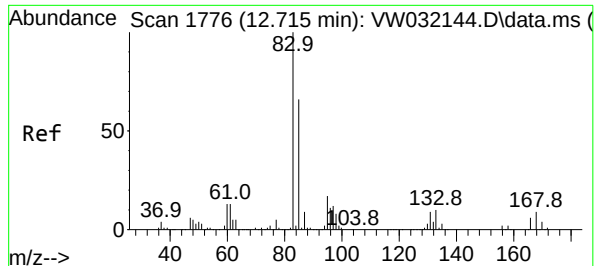
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#74
N-ethyl acetate
Concen: 16.295 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 43 Resp: 53951
Ion Ratio Lower Upper
43 100
70 43.5 35.3 52.9
55 26.0 19.9 29.9
61 24.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.159 ug/l

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

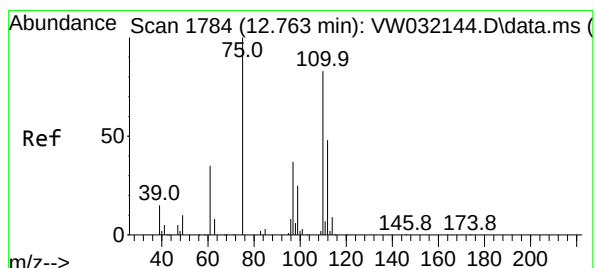
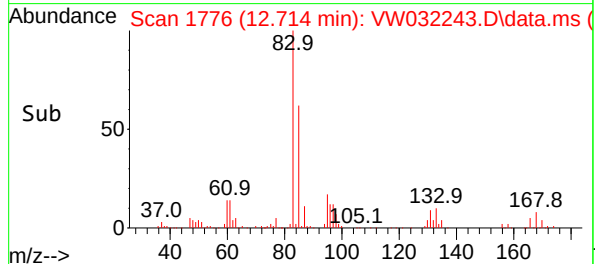
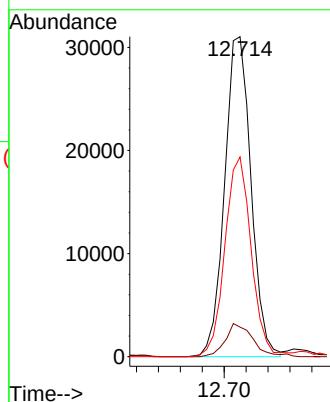
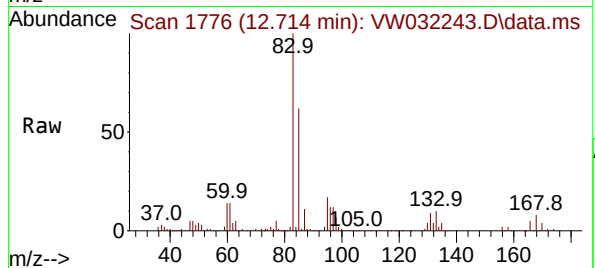
VW0924SBS01

Tgt Ion:	83	Resp:	51924
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	62.6	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#76

1,2,3-Trichloropropane

Concen: 17.540 ug/l m

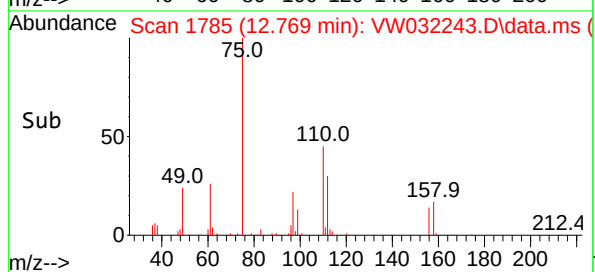
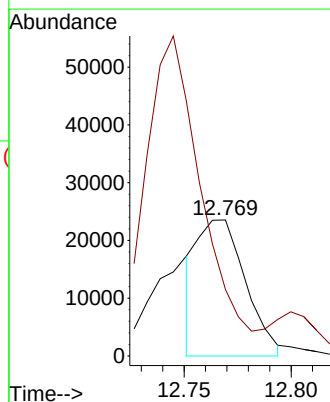
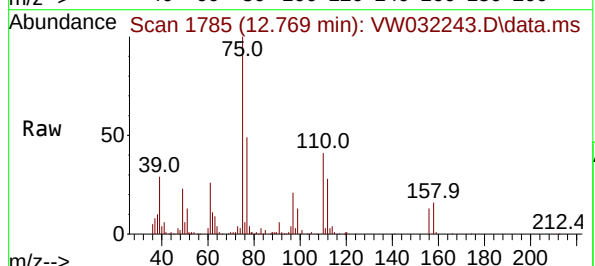
RT: 12.769 min Scan# 1785

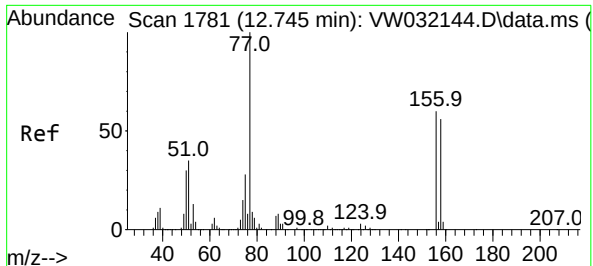
Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

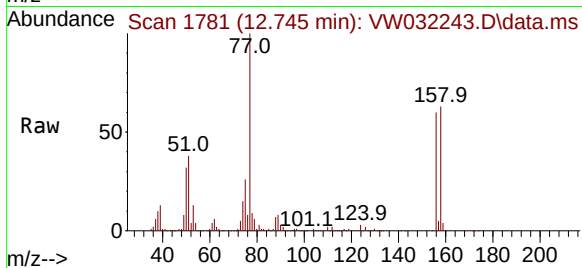
Tgt Ion:	75	Resp:	36887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	141.7	425.1#





#77
Bromobenzene
Concen: 18.597 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

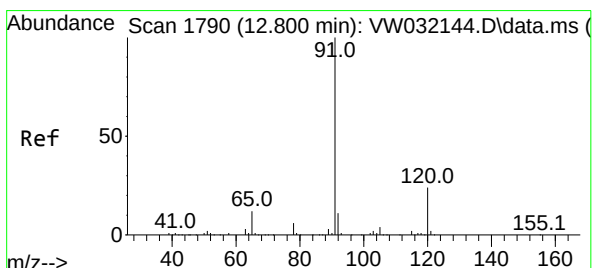
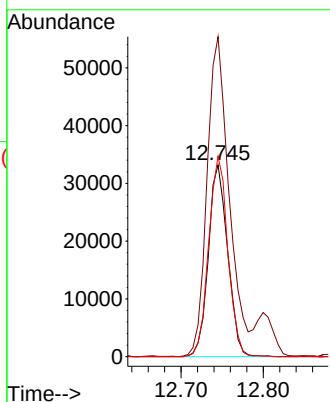
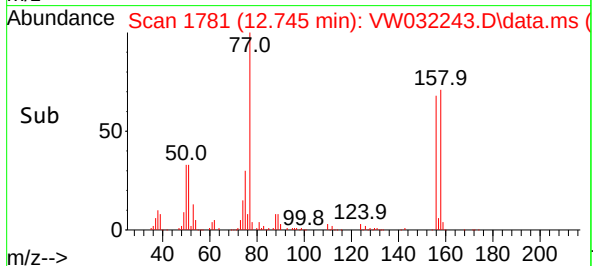
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 156 Resp: 5408
Ion Ratio Lower Upper
156 100
77 189.6 98.6 295.7
158 104.1 48.4 145.0

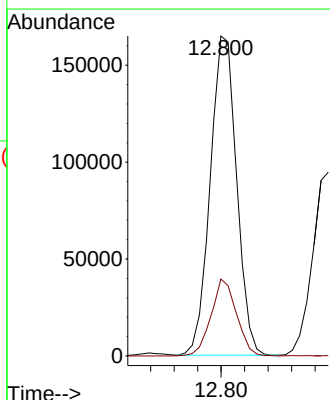
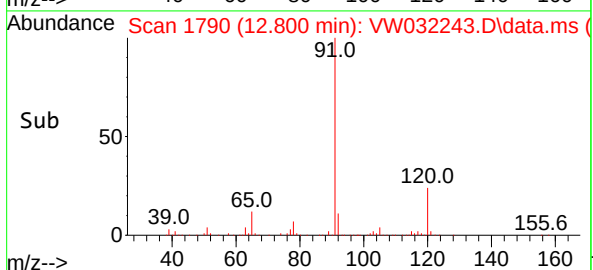
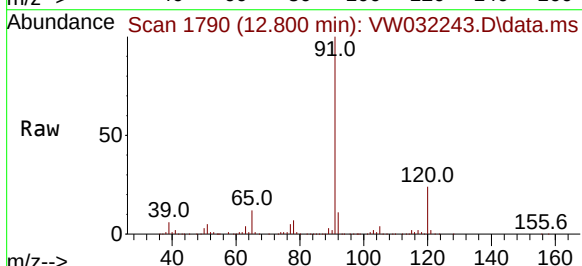
Manual Integrations
APPROVED

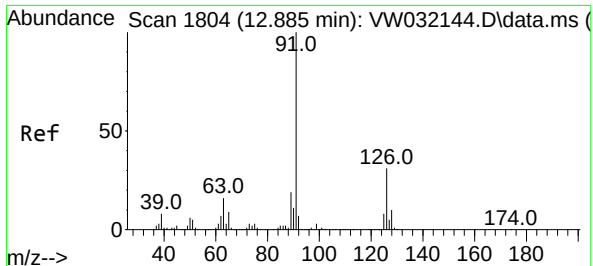
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#78
n-propylbenzene
Concen: 18.557 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion: 91 Resp: 256934
Ion Ratio Lower Upper
91 100
120 23.2 11.8 35.4





#79

2-Chlorotoluene

Concen: 18.597 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 91 Resp: 157454

Ion Ratio Lower Upper

91 100

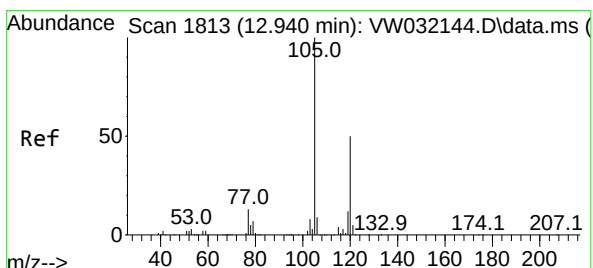
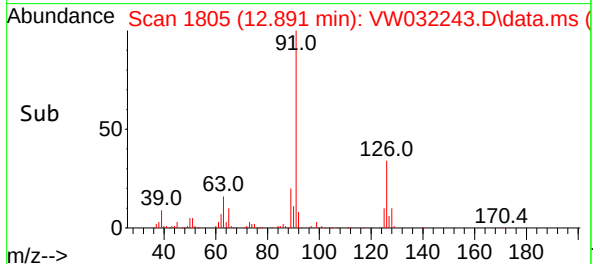
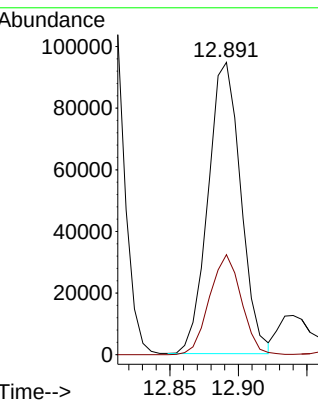
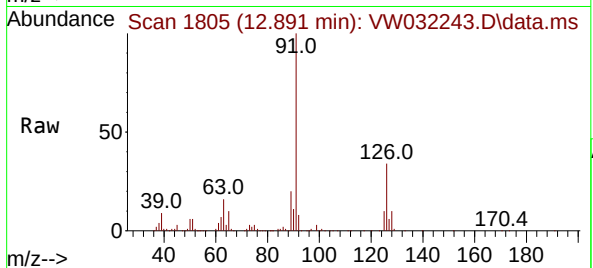
126 33.3 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.993 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032243.D

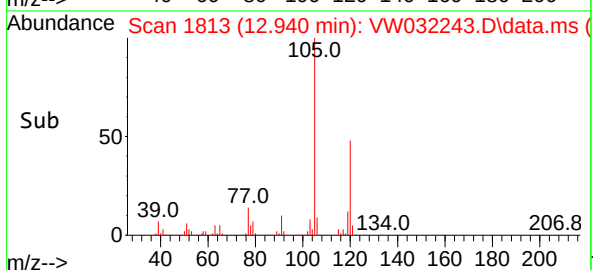
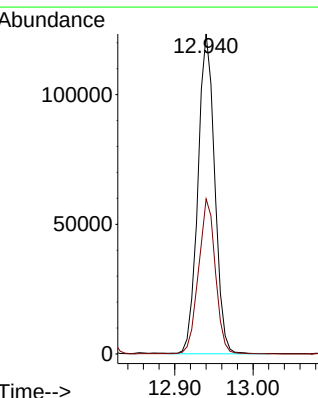
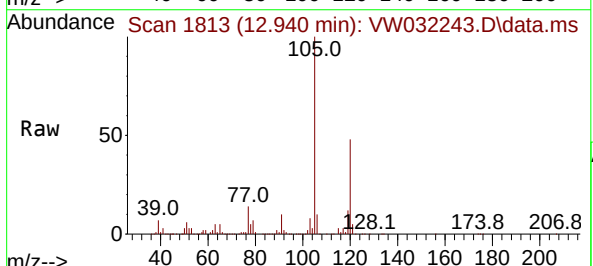
Acq: 24 Sep 2025 15:03

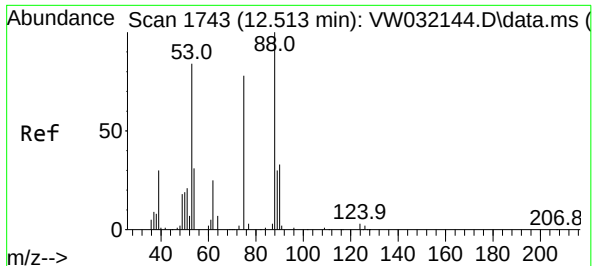
Tgt Ion:105 Resp: 183385

Ion Ratio Lower Upper

105 100

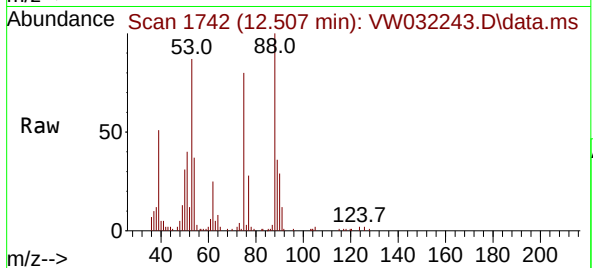
120 48.3 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 17.037 ug/l
RT: 12.507 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

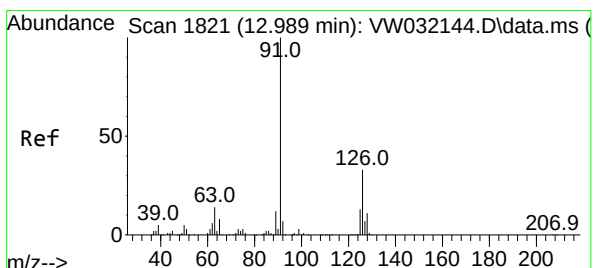
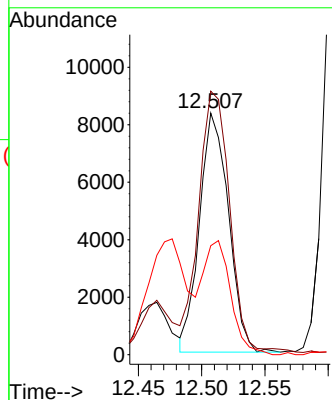
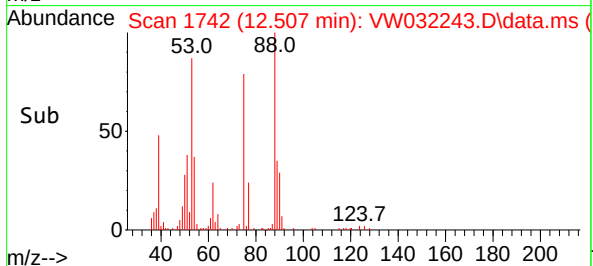
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	116.3	91.0	136.6
89	44.9	39.4	59.2

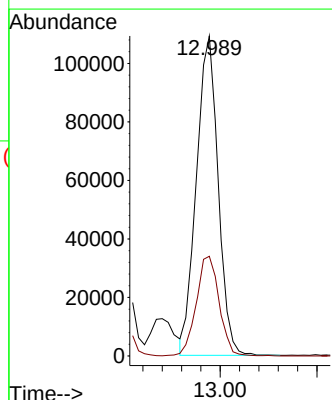
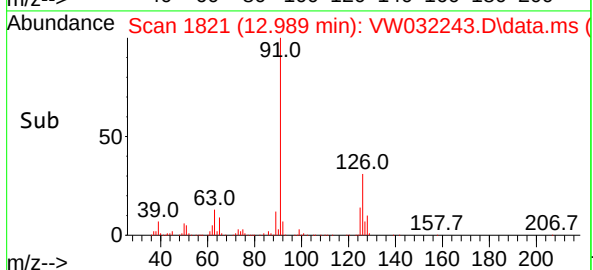
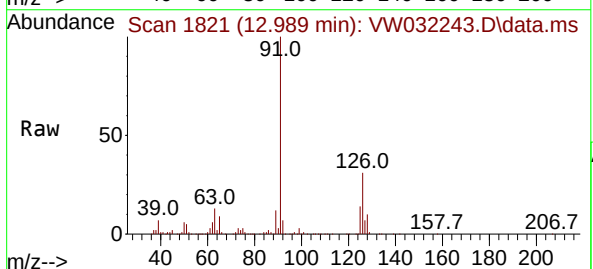
Manual Integrations
APPROVED

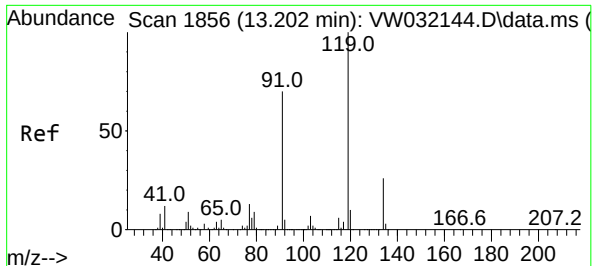
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#82
4-Chlorotoluene
Concen: 18.851 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

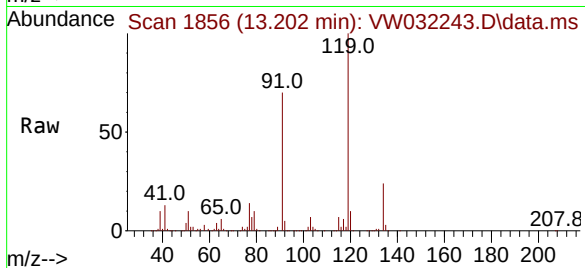
Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.2





#83
tert-Butylbenzene
Concen: 18.022 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

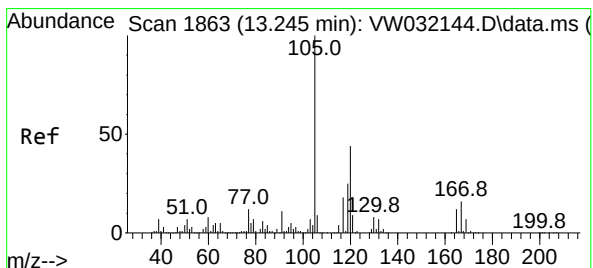
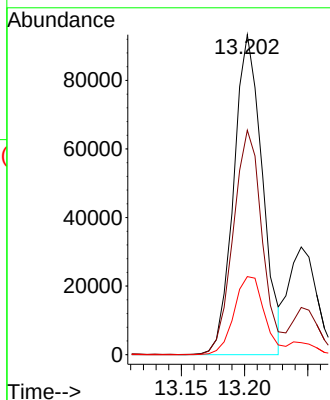
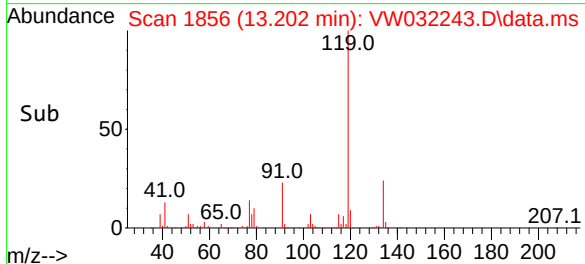
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



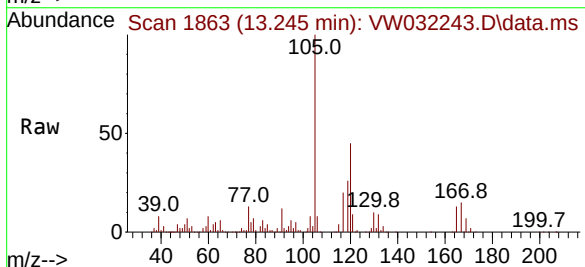
Tgt Ion:119 Resp: 147549
Ion Ratio Lower Upper
119 100
91 71.6 33.8 101.3
134 26.0 12.5 37.5

Manual Integrations
APPROVED

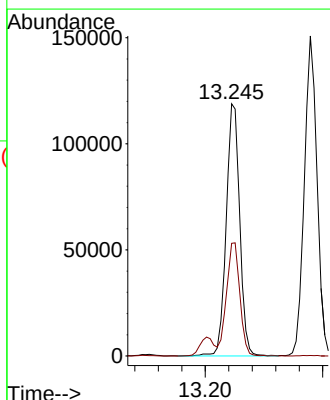
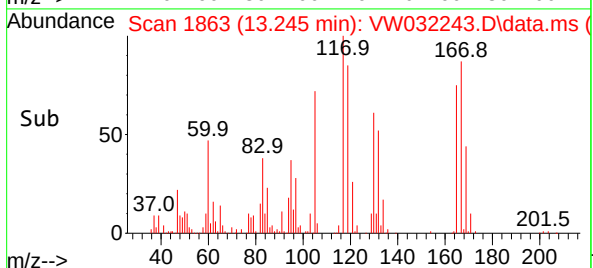
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

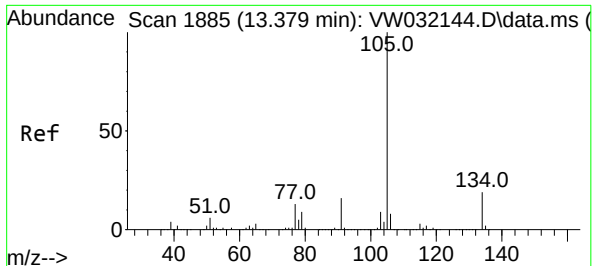


#84
1,2,4-Trimethylbenzene
Concen: 19.004 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03



Tgt Ion:105 Resp: 189842
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.3





#85

sec-Butylbenzene

Concen: 18.508 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:105 Resp: 22623

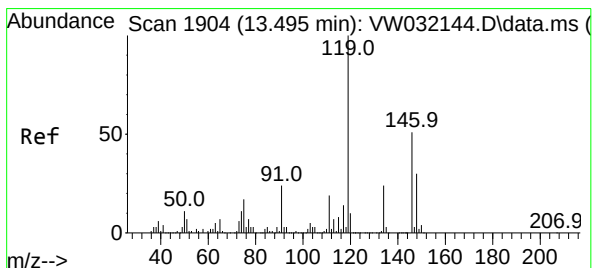
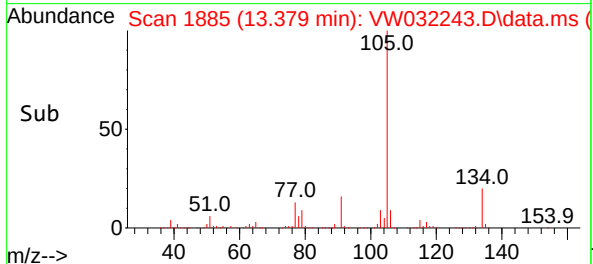
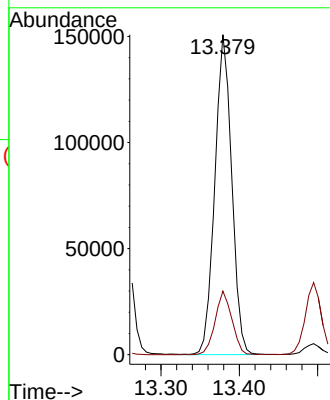
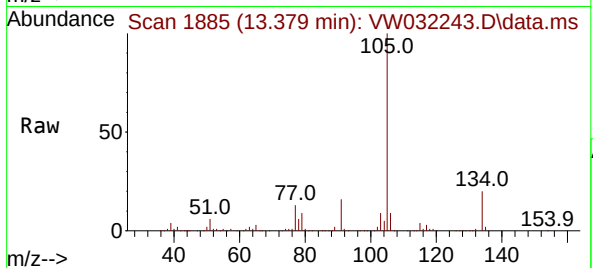
Ion Ratio Lower Upper

105 100

134 19.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#86

p-Isopropyltoluene

Concen: 18.067 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

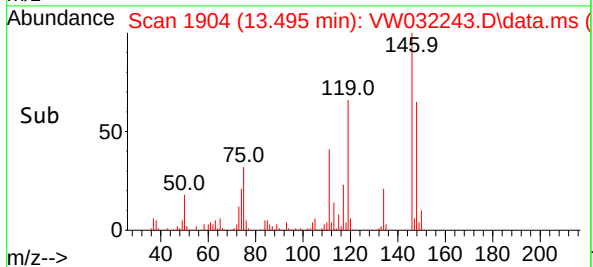
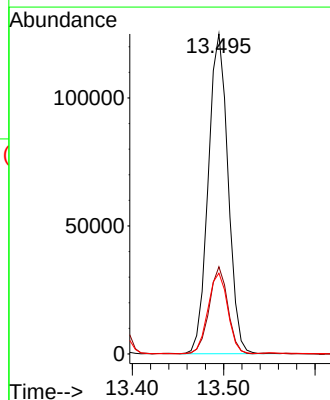
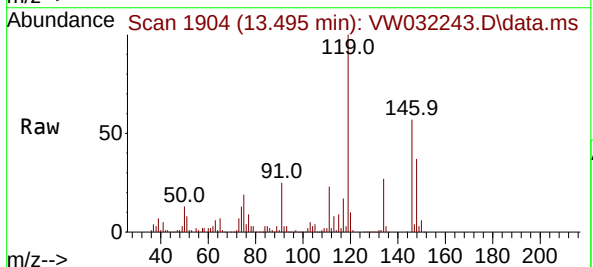
Tgt Ion:119 Resp: 187801

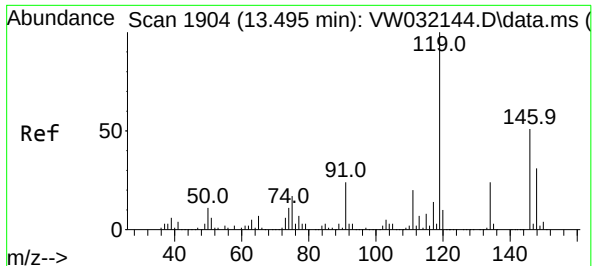
Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.6

91 25.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.558 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:146 Resp: 11452

Ion Ratio Lower Upper

146 100

111 40.2 20.6 61.9

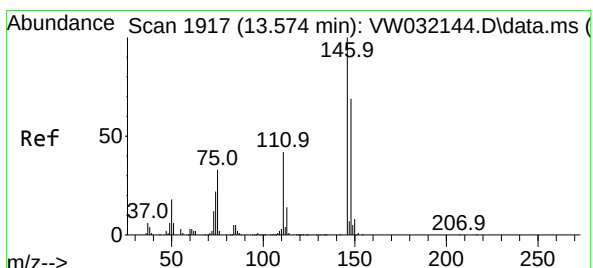
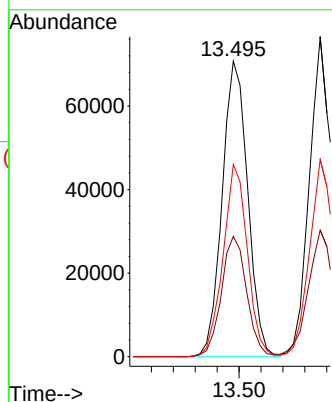
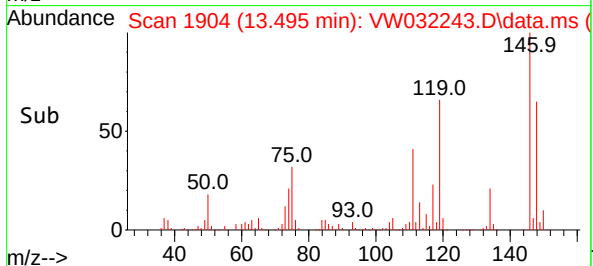
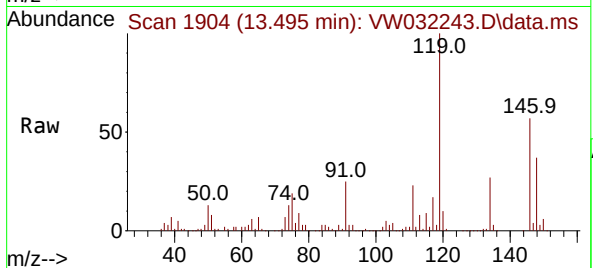
148 62.0 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#88

1,4-Dichlorobenzene

Concen: 19.721 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

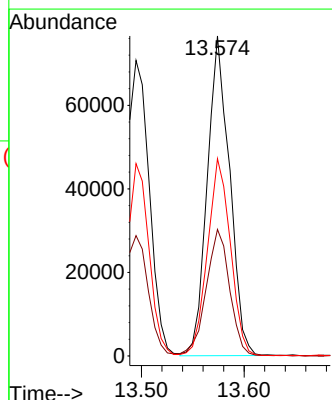
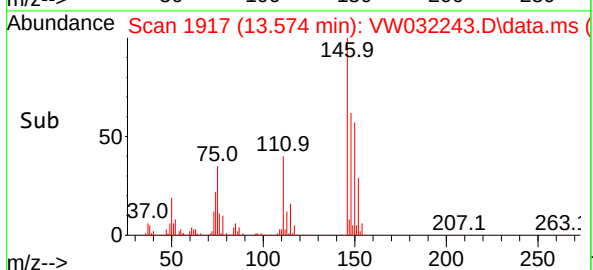
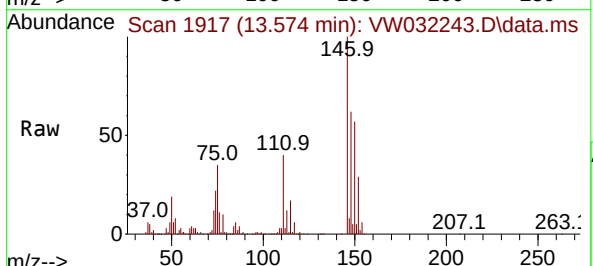
Tgt Ion:146 Resp: 115750

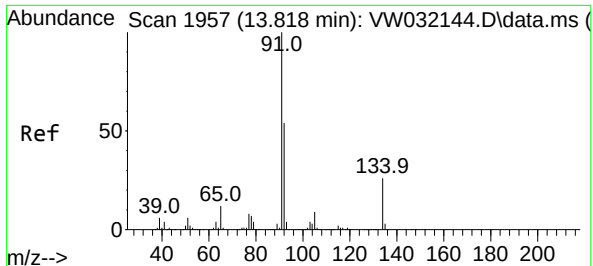
Ion Ratio Lower Upper

146 100

111 41.3 21.3 63.7

148 63.2 33.4 100.1





#89

n-Butylbenzene

Concen: 18.110 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

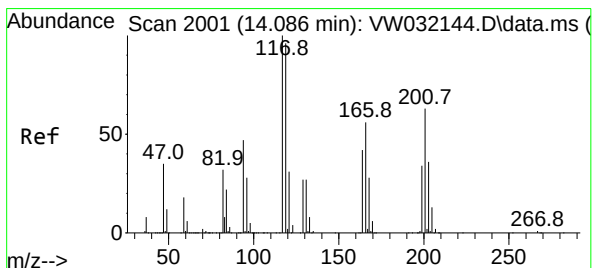
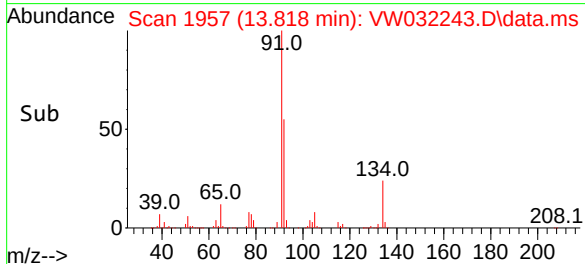
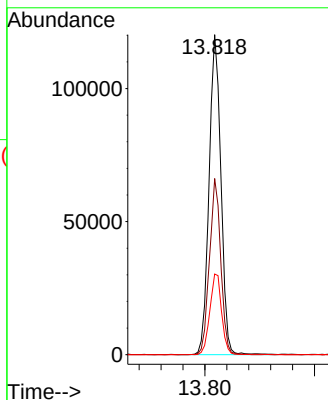
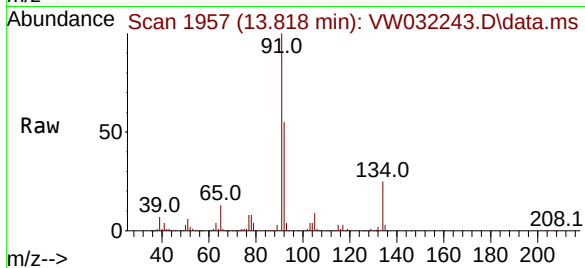
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:	91	Resp:	179474
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	81.0
134	25.1	13.1	39.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#90

Hexachloroethane

Concen: 18.385 ug/l

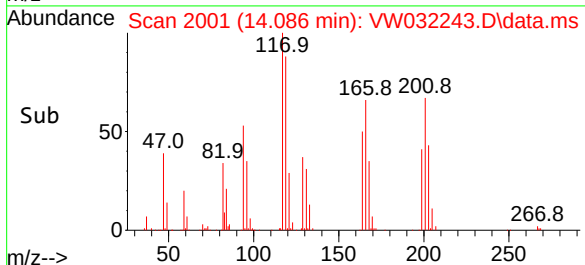
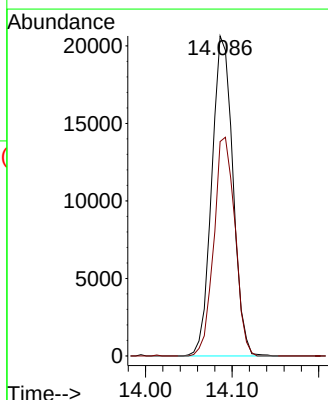
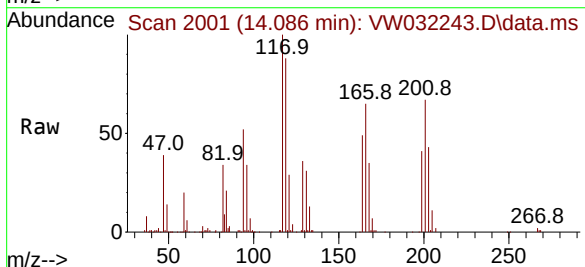
RT: 14.086 min Scan# 2001

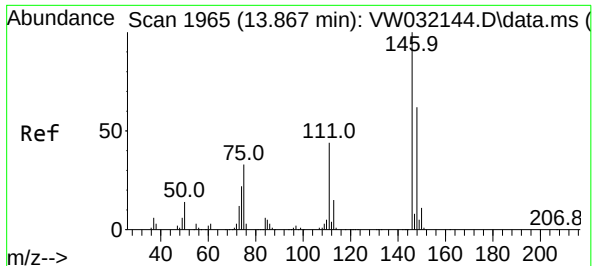
Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Tgt Ion:	117	Resp:	34957
Ion	Ratio	Lower	Upper
117	100		
201	68.5	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 20.089 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:146 Resp: 104149

Ion Ratio Lower Upper

146 100

111 43.2 23.4 70.0

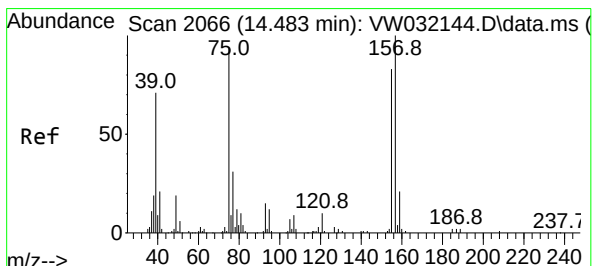
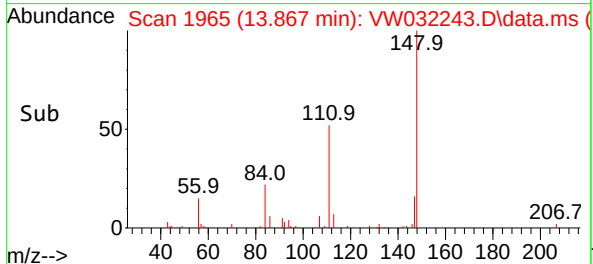
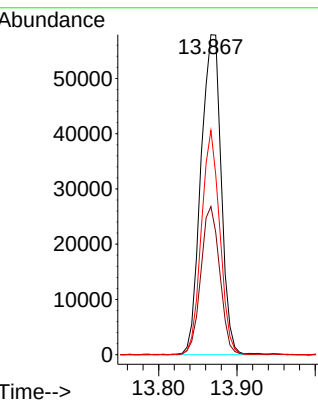
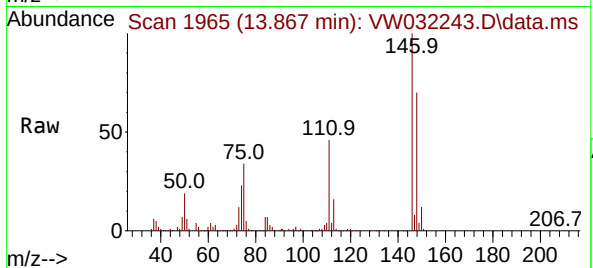
148 63.4 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.941 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

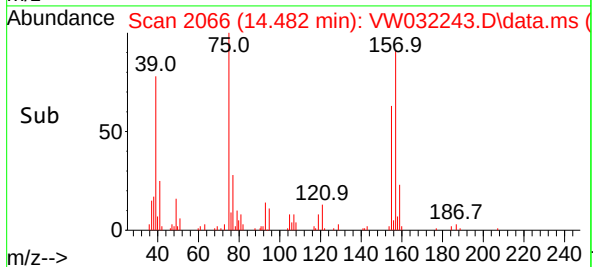
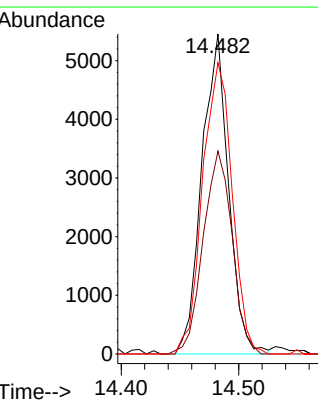
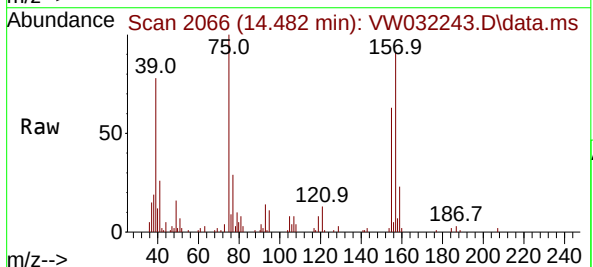
Tgt Ion: 75 Resp: 8590

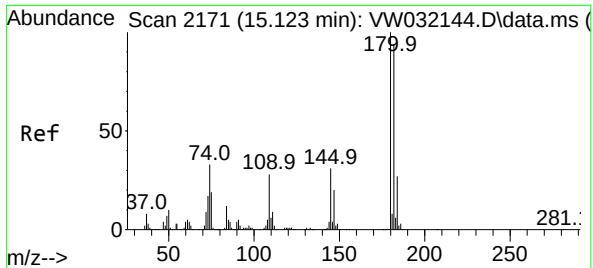
Ion Ratio Lower Upper

75 100

155 68.8 40.8 122.5

157 101.1 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 18.663 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:180 Resp: 61818

Ion Ratio Lower Upper

180 100

182 97.5 47.4 142.2

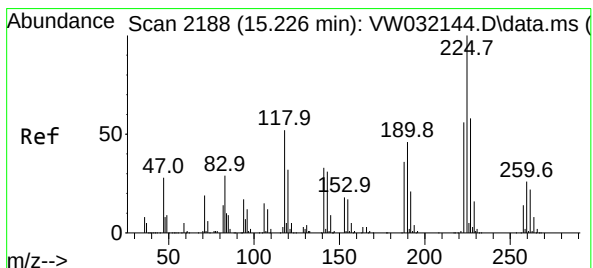
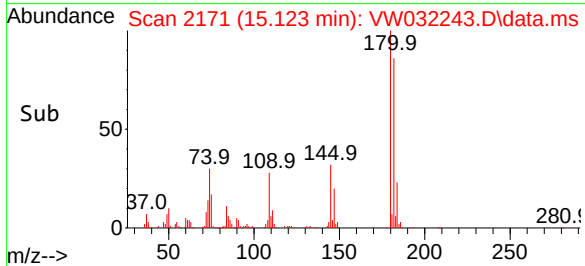
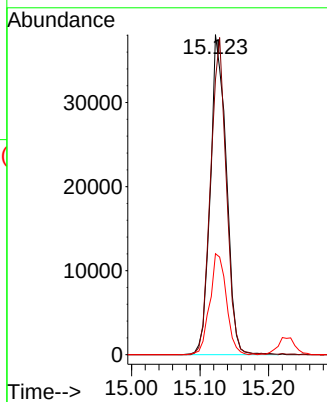
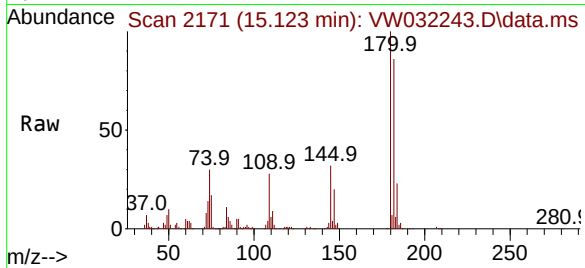
145 32.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#94

Hexachlorobutadiene

Concen: 19.489 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW032243.D

Acq: 24 Sep 2025 15:03

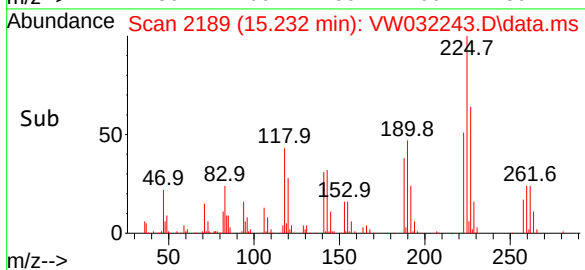
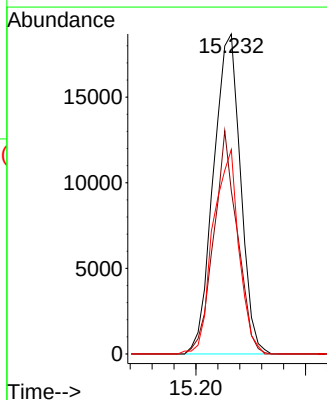
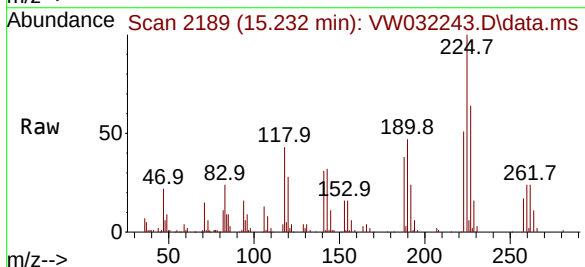
Tgt Ion:225 Resp: 32015

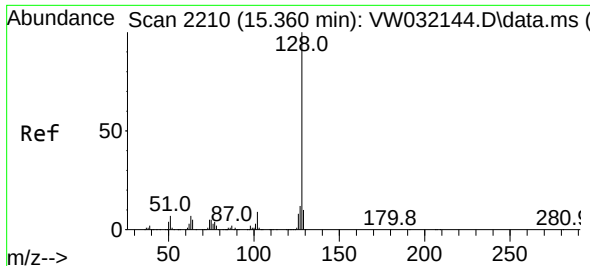
Ion Ratio Lower Upper

225 100

223 60.7 29.8 89.3

227 61.0 30.5 91.5





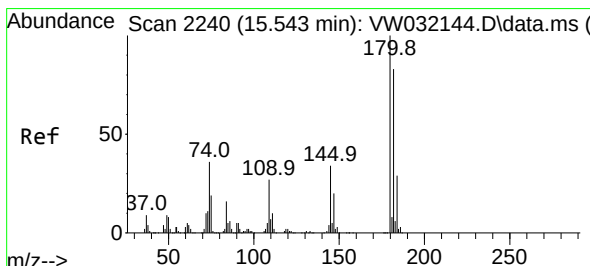
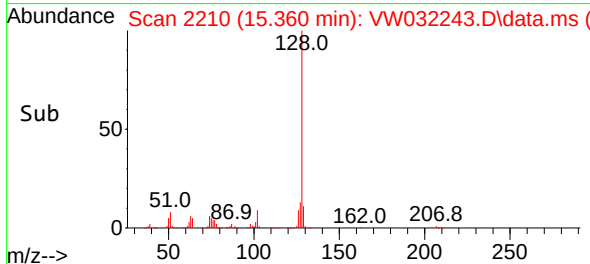
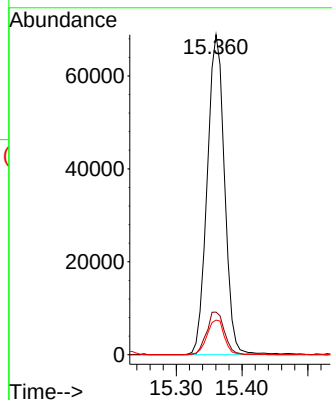
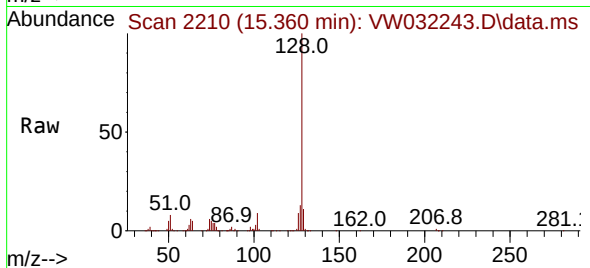
#95
Naphthalene
Concen: 16.864 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	10.9	8.4	12.6

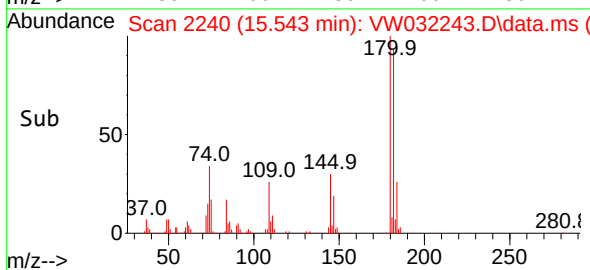
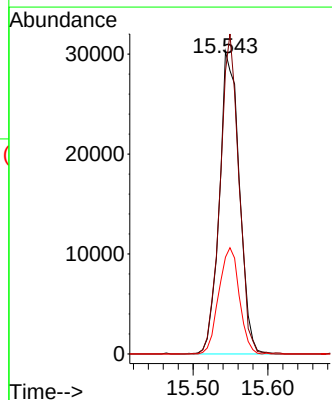
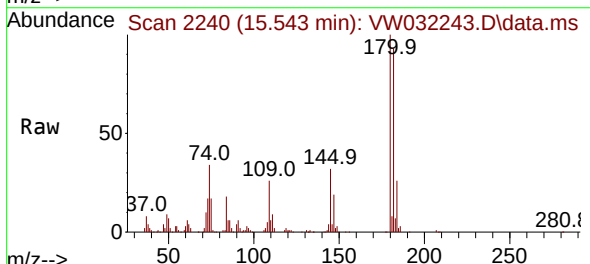
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.298 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VW032243.D
Acq: 24 Sep 2025 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.7	143.1
145	35.9	17.2	51.6



Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 916		Date Received:	
Client Sample ID:	VW0924SBSD01		SDG No.:	Q3176
Lab Sample ID:	VW0924SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032244.D	1	09/24/25 15:25	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	VW0924SBSD01	SDG No.:	Q3176
Lab Sample ID:	VW0924SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032244.D	1	09/24/25 15:25	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.0		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	7.959			
540-36-3	1,4-Difluorobenzene	331000	8.849			
3114-55-4	Chlorobenzene-d5	306000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.556			

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 916		Date Received:	
Client Sample ID:	VW0924SBSD01		SDG No.:	Q3176
Lab Sample ID:	VW0924SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032244.D	1	09/24/25 15:25	VW092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032244.D
 Acq On : 24 Sep 2025 15:25
 Operator : SY/MD
 Sample : VW0924SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:12:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	194503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	331261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	306371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	140232	50.413	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.820%			
35) Dibromofluoromethane	7.904	113	116070	49.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.880%			
50) Toluene-d8	10.331	98	404527	49.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.617	95	152099	50.415	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	25635	19.962	ug/l	97
3) Chloromethane	2.259	50	25690	19.080	ug/l	98
4) Vinyl Chloride	2.405	62	34748	19.870	ug/l	97
5) Bromomethane	2.820	94	31387	20.098	ug/l	97
6) Chloroethane	2.972	64	25146	20.418	ug/l	100
7) Trichlorofluoromethane	3.308	101	32818	18.940	ug/l	87
8) Diethyl Ether	3.722	74	26469	20.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	38018	19.477	ug/l	98
10) Methyl Iodide	4.301	142	58480	19.676	ug/l	99
11) Tert butyl alcohol	5.222	59	16202	95.224	ug/l	96
12) 1,1-Dichloroethene	4.082	96	41114	20.000	ug/l	99
13) Acrolein	3.929	56	10564	40.391	ug/l	94
14) Allyl chloride	4.704	41	54697	18.732	ug/l	99
15) Acrylonitrile	5.405	53	63694	101.315	ug/l	99
16) Acetone	4.161	43	65609	108.908	ug/l	94
17) Carbon Disulfide	4.423	76	92406	17.973	ug/l	98
18) Methyl Acetate	4.716	43	40040	20.860	ug/l	95
19) Methyl tert-butyl Ether	5.466	73	76686	19.755	ug/l	95
20) Methylene Chloride	4.960	84	55611	19.881	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	43826	19.085	ug/l	94
22) Diisopropyl ether	6.338	45	127234	20.021	ug/l	92
23) Vinyl Acetate	6.283	43	422057	97.681	ug/l	99
24) 1,1-Dichloroethane	6.246	63	82300	19.781	ug/l	98
25) 2-Butanone	7.197	43	90276	105.752	ug/l	99
26) 2,2-Dichloropropane	7.185	77	43318	19.661	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	52812	18.899	ug/l	99
28) Bromochloromethane	7.539	49	39465	20.722	ug/l	98
29) Tetrahydrofuran	7.551	42	54420	100.320	ug/l	98
30) Chloroform	7.691	83	95881	20.185	ug/l	95
31) Cyclohexane	7.965	56	63165	18.497	ug/l #	92
32) 1,1,1-Trichloroethane	7.886	97	69962	20.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	58978	19.572	ug/l	98
37) Ethyl Acetate	7.276	43	36359	20.113	ug/l	99
38) Carbon Tetrachloride	8.087	117	63469	19.648	ug/l	98
39) Methylcyclohexane	9.343	83	64106	17.961	ug/l	94
40) Benzene	8.337	78	188904	20.280	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032244.D
 Acq On : 24 Sep 2025 15:25
 Operator : SY/MD
 Sample : VW0924SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:12:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	18465	18.385	ug/l	96
42) 1,2-Dichloroethane	8.410	62	65907	20.410	ug/l	99
43) Isopropyl Acetate	8.441	43	65529	19.323	ug/l	97
44) Trichloroethene	9.099	130	46475	19.840	ug/l	87
45) 1,2-Dichloropropane	9.374	63	45831	20.411	ug/l	96
46) Dibromomethane	9.465	93	33201	21.081	ug/l	97
47) Bromodichloromethane	9.654	83	71257	19.910	ug/l	100
48) Methyl methacrylate	9.447	41	31287	20.019	ug/l	95
49) 1,4-Dioxane	9.459	88	8022	421.570	ug/l	99
51) 4-Methyl-2-Pentanone	10.215	43	200149	104.523	ug/l	99
52) Toluene	10.392	92	122808	20.176	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	60550	19.178	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	71020	19.714	ug/l	98
55) 1,1,2-Trichloroethane	10.794	97	41702	20.362	ug/l	93
56) Ethyl methacrylate	10.648	69	50603	19.327	ug/l	100
57) 1,3-Dichloropropane	10.934	76	69337	20.220	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	142819	102.194	ug/l	100
59) 2-Hexanone	10.971	43	142472	106.981	ug/l	97
60) Dibromochloromethane	11.135	129	49173	19.842	ug/l	96
61) 1,2-Dibromoethane	11.239	107	41036	20.376	ug/l	96
64) Tetrachloroethene	10.867	164	39831	19.753	ug/l	88
65) Chlorobenzene	11.660	112	140550	20.155	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.727	131	46119	20.088	ug/l	99
67) Ethyl Benzene	11.733	91	222371	19.463	ug/l	98
68) m/p-Xylenes	11.837	106	178060	40.493	ug/l	99
69) o-Xylene	12.166	106	80167	19.274	ug/l	98
70) Styrene	12.178	104	145535	19.849	ug/l	99
71) Bromoform	12.349	173	29154	21.381	ug/l #	97
73) Isopropylbenzene	12.464	105	206307	18.366	ug/l	99
74) N-amyl acetate	12.269	43	59343	18.196	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	53343	19.982	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	41262m	19.919	ug/l	
77) Bromobenzene	12.745	156	57052	19.917	ug/l	96
78) n-propylbenzene	12.800	91	262628	19.258	ug/l	97
79) 2-Chlorotoluene	12.891	91	156179	18.728	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	180328	18.961	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14619	19.002	ug/l	96
82) 4-Chlorotoluene	12.989	91	167767	18.794	ug/l	97
83) tert-Butylbenzene	13.202	119	147041	18.234	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	186632	18.968	ug/l	98
85) sec-Butylbenzene	13.379	105	225079	18.695	ug/l	100
86) p-Isopropyltoluene	13.495	119	192452	18.796	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	109239	18.940	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	109719	18.979	ug/l	99
89) n-Butylbenzene	13.818	91	181963	18.641	ug/l	96
90) Hexachloroethane	14.092	117	35633	19.027	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	107632	21.078	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9272	19.661	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	61979	18.997	ug/l	97
94) Hexachlorobutadiene	15.226	225	27323	16.886	ug/l	90
95) Naphthalene	15.360	128	137691	18.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	60527	19.949	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032244.D
Acq On : 24 Sep 2025 15:25
Operator : SY/MD
Sample : VW0924SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:12:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

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

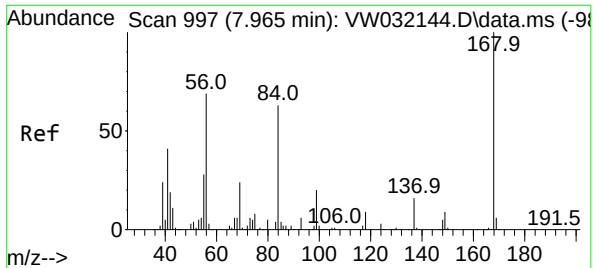
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Manual Integrations

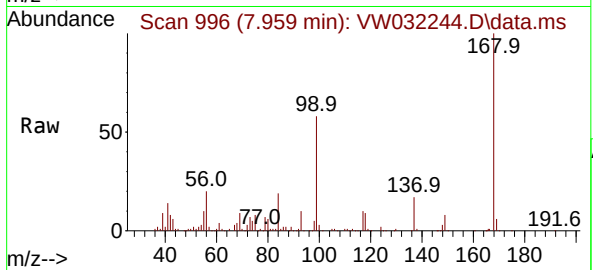
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

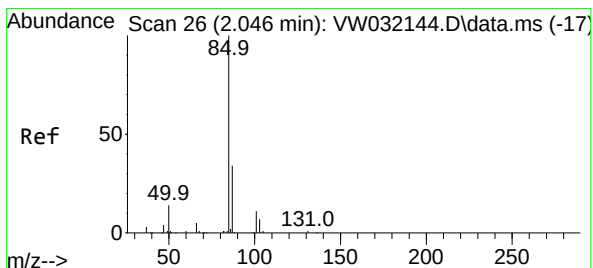
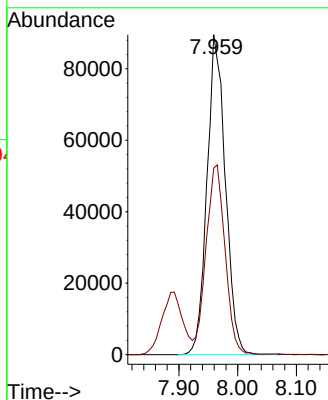
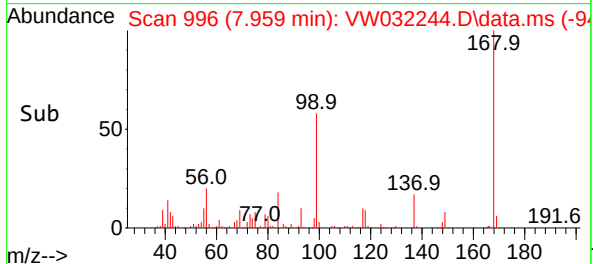
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 168 Resp: 19450
Ion Ratio Lower Upper
168 100
99 58.0 49.3 73.9

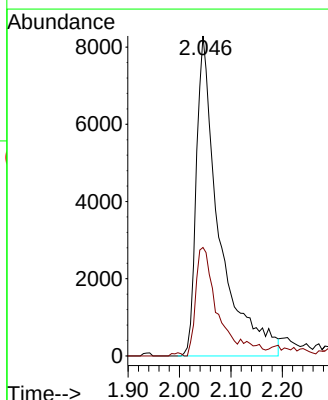
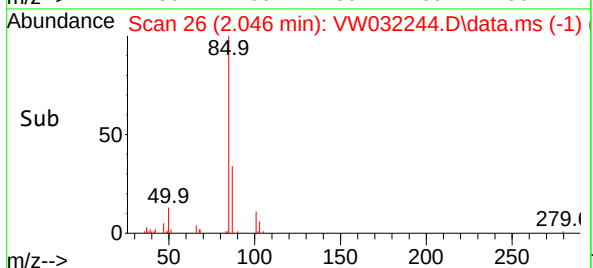
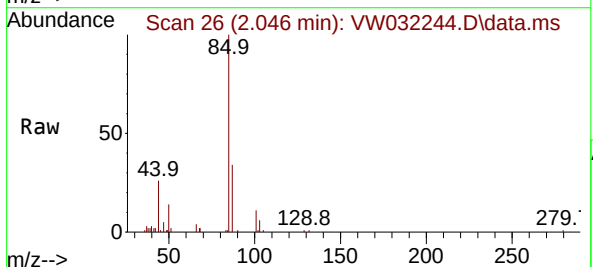
Manual Integrations
APPROVED

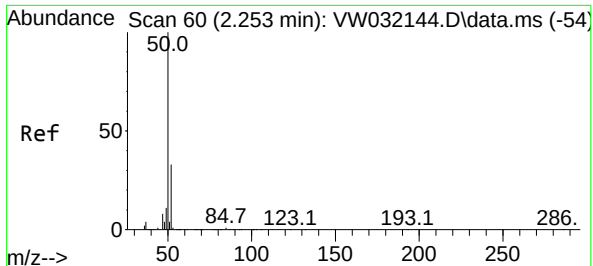
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#2
Dichlorodifluoromethane
Concen: 19.962 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 85 Resp: 25635
Ion Ratio Lower Upper
85 100
87 32.9 17.2 51.6





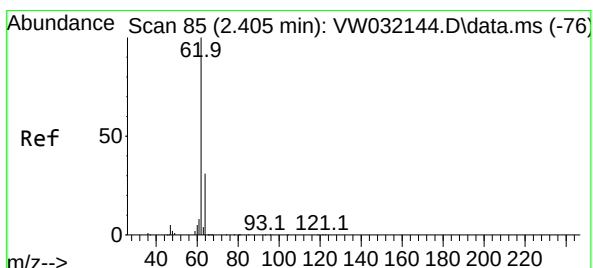
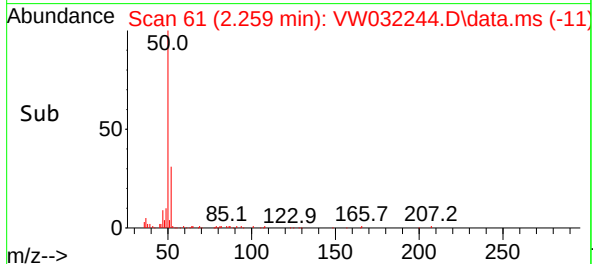
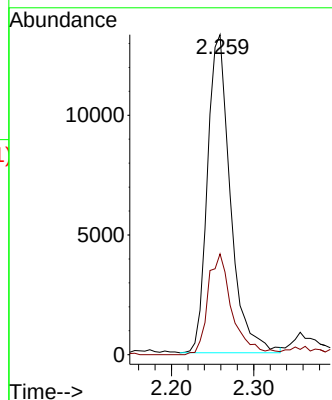
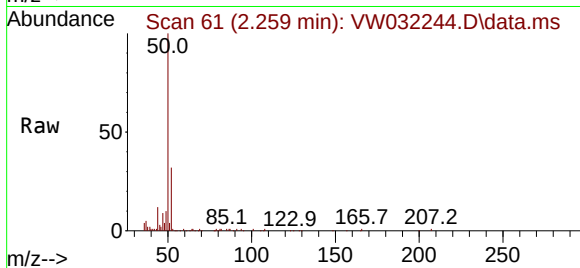
#3
Chloromethane
Concen: 19.080 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion: 50 Resp: 25690
Ion Ratio Lower Upper
50 100
52 31.7 26.1 39.1

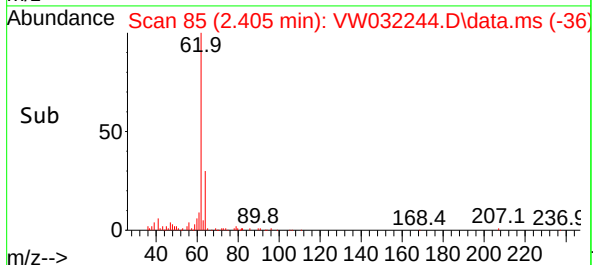
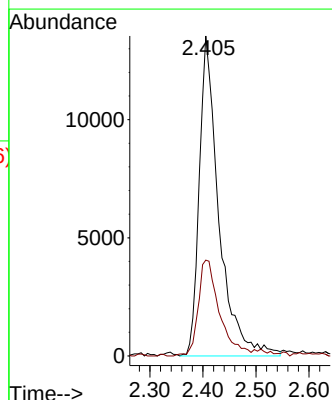
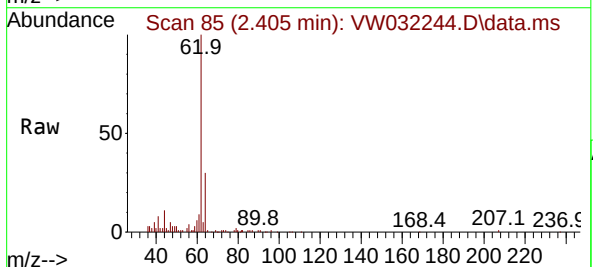
Manual Integrations
APPROVED

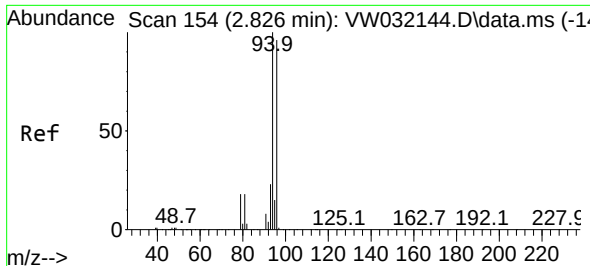
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#4
Vinyl Chloride
Concen: 19.870 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 62 Resp: 34748
Ion Ratio Lower Upper
62 100
64 29.4 24.8 37.2





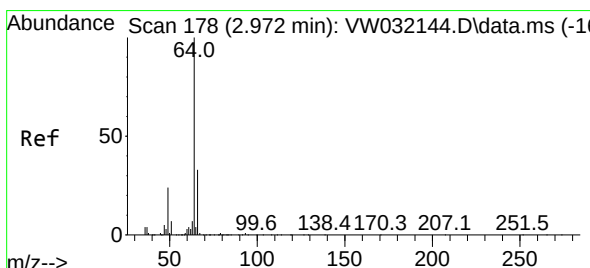
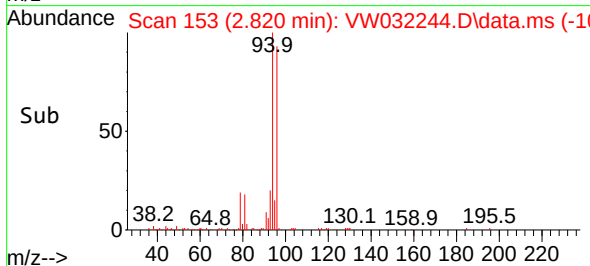
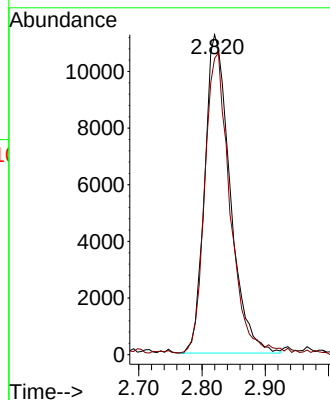
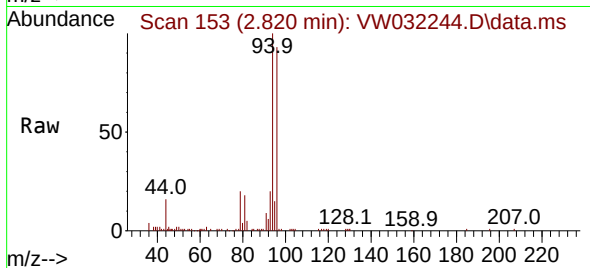
#5
Bromomethane
Concen: 20.098 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion: 94 Resp: 3138
Ion Ratio Lower Upper
94 100
96 92.4 76.6 115.0

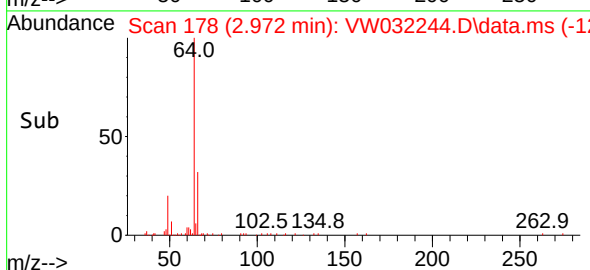
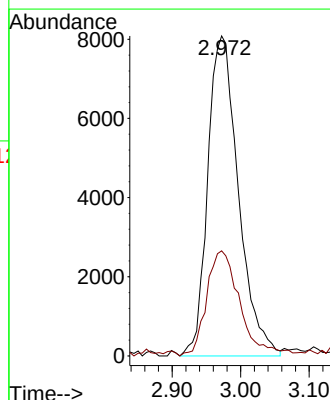
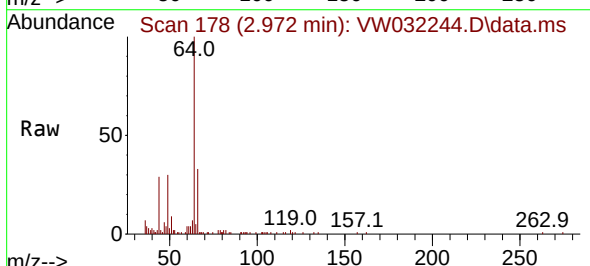
Manual Integrations
APPROVED

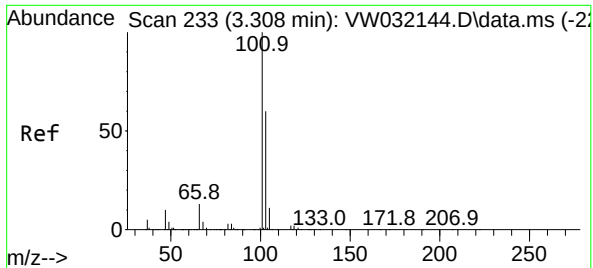
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#6
Chloroethane
Concen: 20.418 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 64 Resp: 25146
Ion Ratio Lower Upper
64 100
66 32.9 26.2 39.4





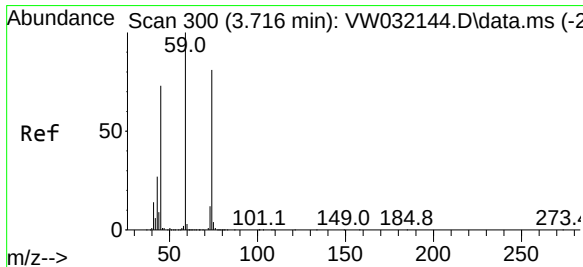
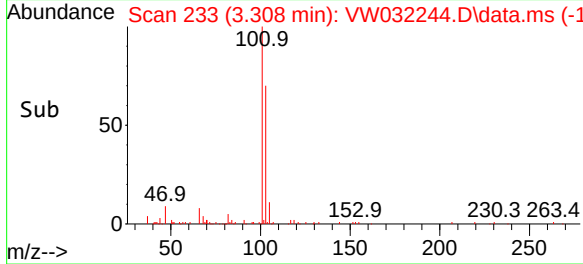
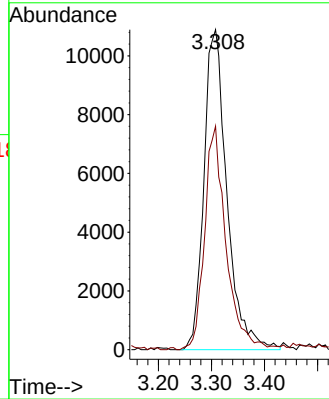
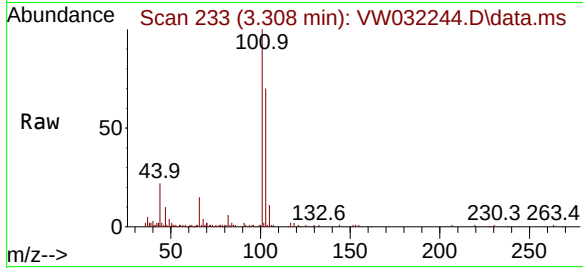
#7
Trichlorofluoromethane
Concen: 18.940 ug/l
RT: 3.308 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion:101 Resp: 32818
Ion Ratio Lower Upper
101 100
103 69.8 47.8 71.8

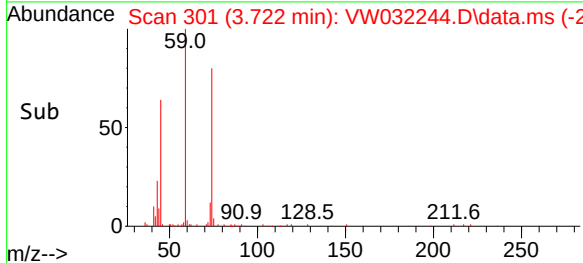
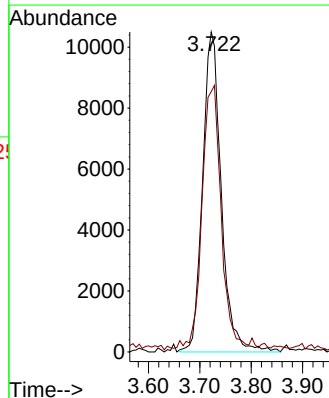
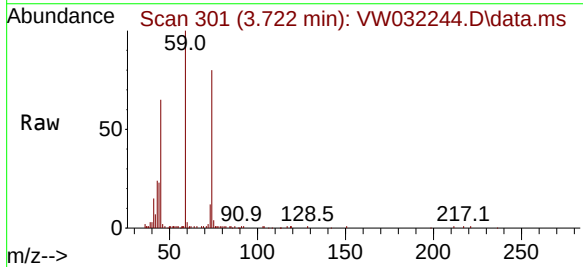
Manual Integrations
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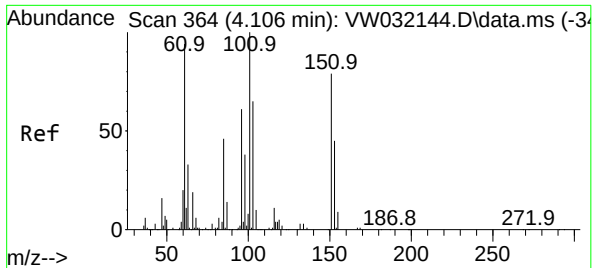
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#8
Diethyl Ether
Concen: 20.470 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 74 Resp: 26469
Ion Ratio Lower Upper
74 100
45 83.4 43.1 129.4





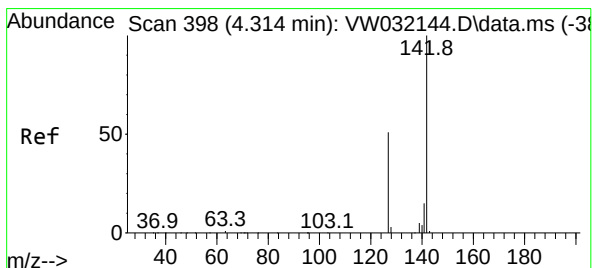
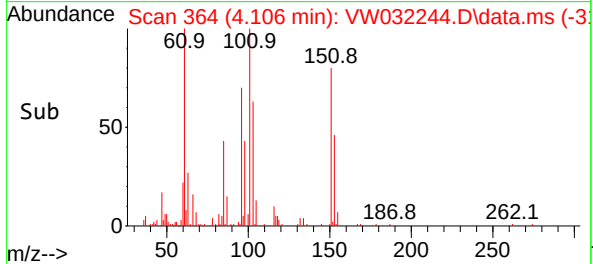
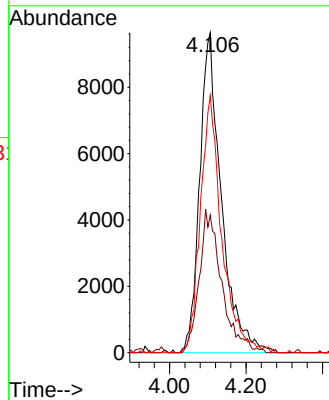
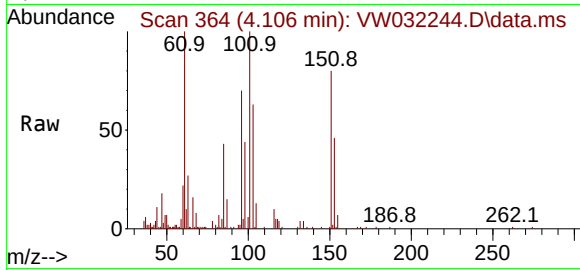
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.477 ug/l
RT: 4.106 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion:101 Resp: 38018
Ion Ratio Lower Upper
101 100
85 45.8 37.1 55.7
151 78.6 61.5 92.3

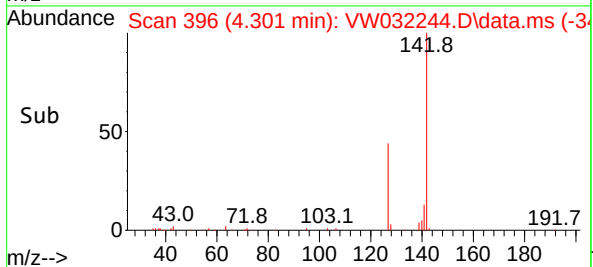
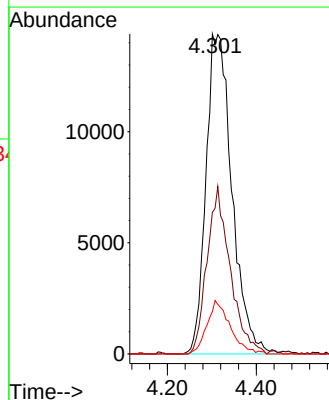
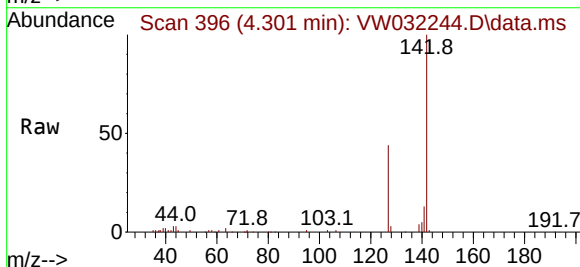
Manual Integrations
APPROVED

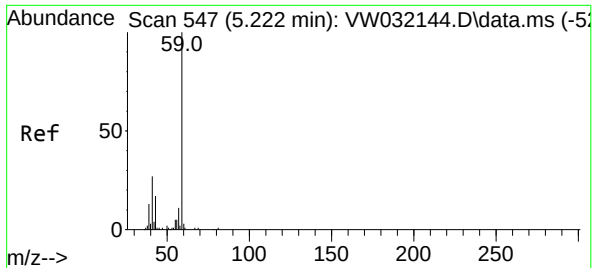
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#10
Methyl Iodide
Concen: 19.676 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion:142 Resp: 58480
Ion Ratio Lower Upper
142 100
127 46.6 38.2 57.2
141 15.0 12.2 18.2





#11

Tert butyl alcohol

Concen: 95.224 ug/l

RT: 5.222 min Scan# 547

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 59 Resp: 1620

Ion Ratio Lower Upper

59 100

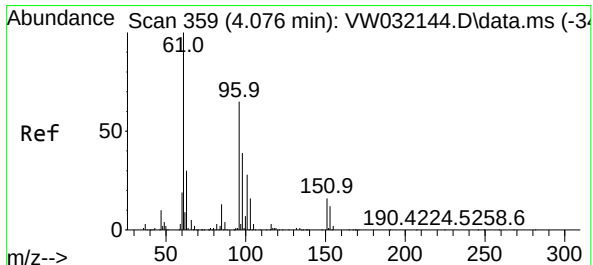
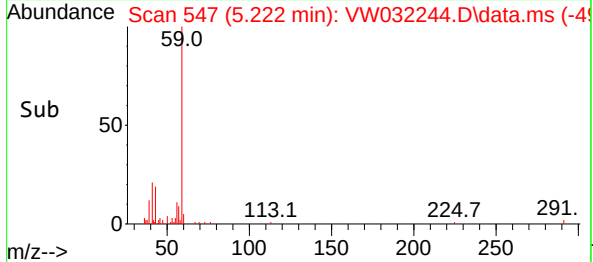
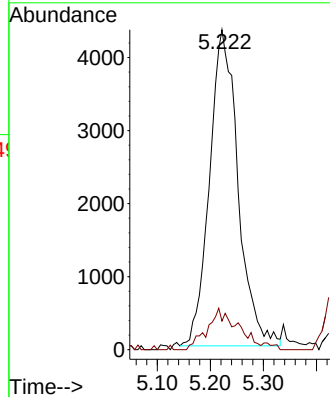
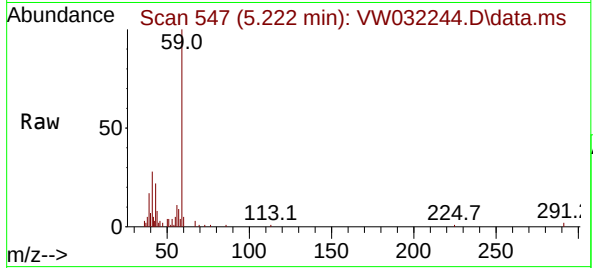
57 13.8 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#12

1,1-Dichloroethene

Concen: 20.000 ug/l

RT: 4.082 min Scan# 360

Delta R.T. 0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

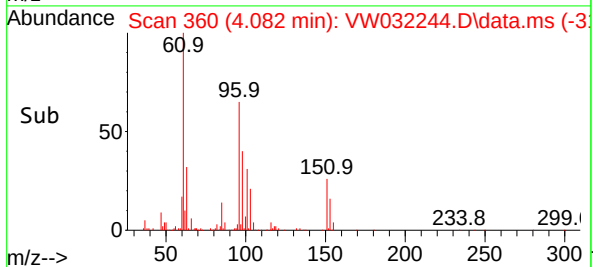
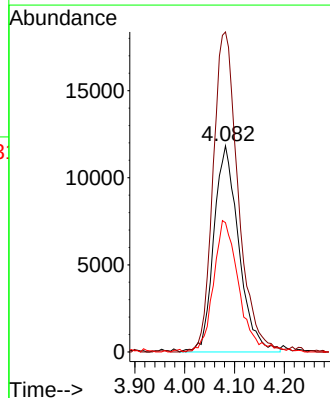
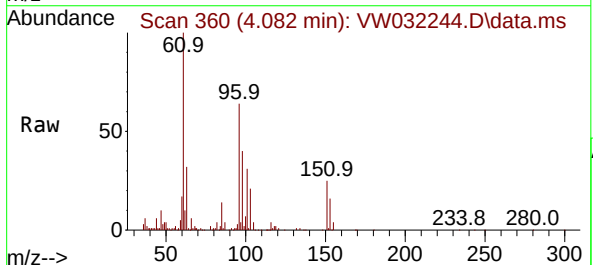
Tgt Ion: 96 Resp: 41114

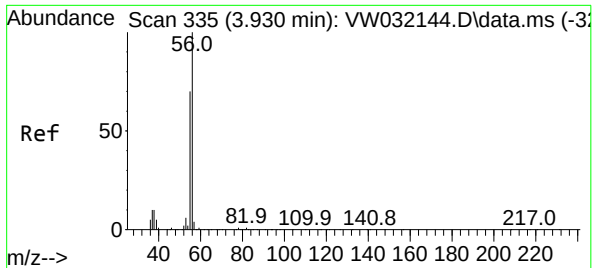
Ion Ratio Lower Upper

96 100

61 155.3 123.0 184.4

98 61.5 48.5 72.7





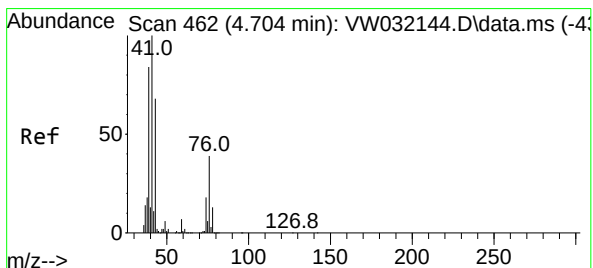
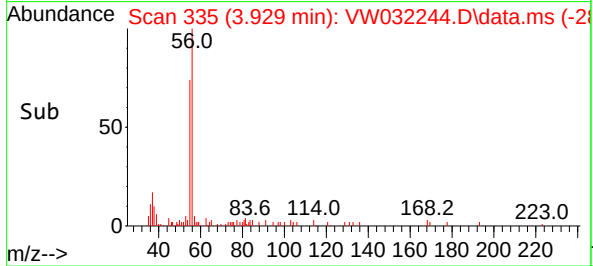
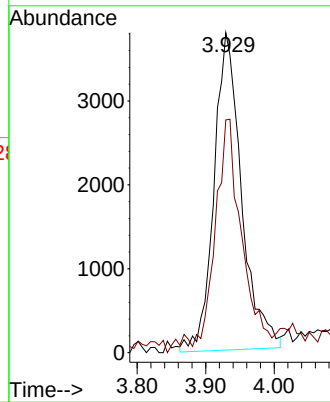
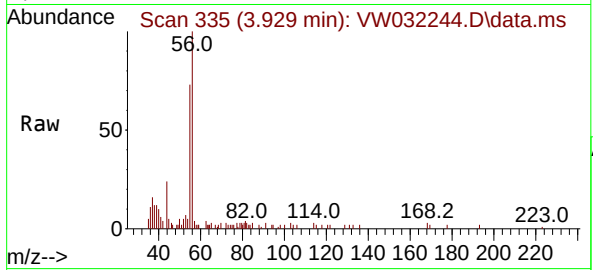
#13
Acrolein
Concen: 40.391 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 56 Resp: 1056
Ion Ratio Lower Upper
56 100
55 65.8 56.4 84.6

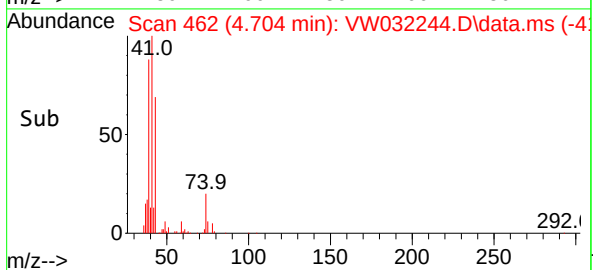
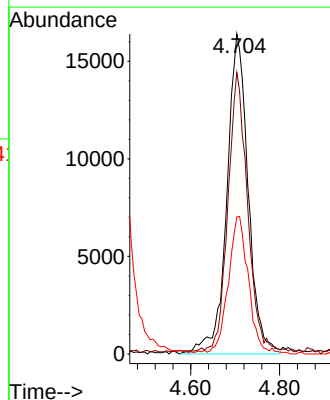
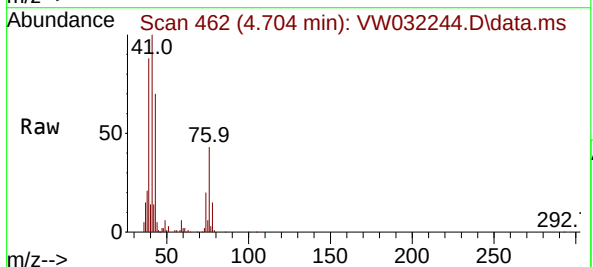
Manual Integrations
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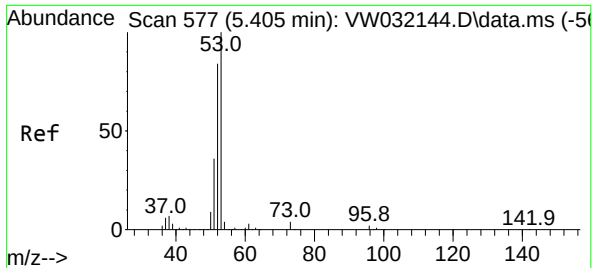
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#14
Allyl chloride
Concen: 18.732 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

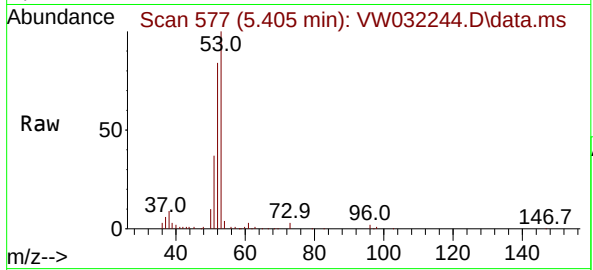
Tgt Ion: 41 Resp: 54697
Ion Ratio Lower Upper
41 100
39 79.3 64.1 96.1
76 39.2 31.4 47.2





#15
Acrylonitrile
Concen: 101.315 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

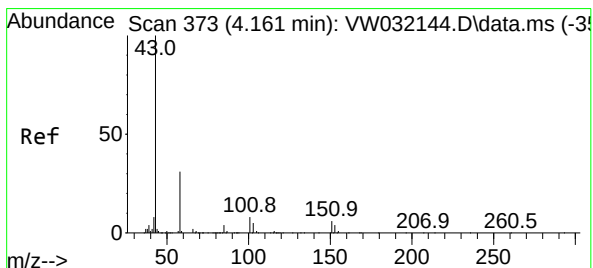
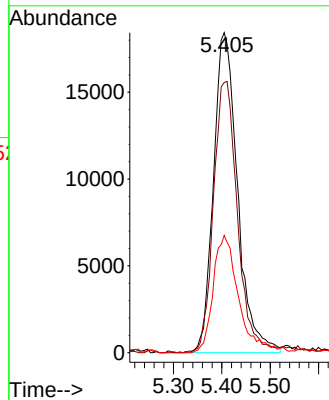
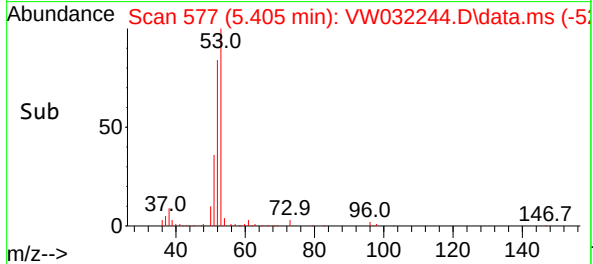
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 53 Resp: 63694
Ion Ratio Lower Upper
53 100
52 84.3 67.4 101.2
51 38.8 30.3 45.5

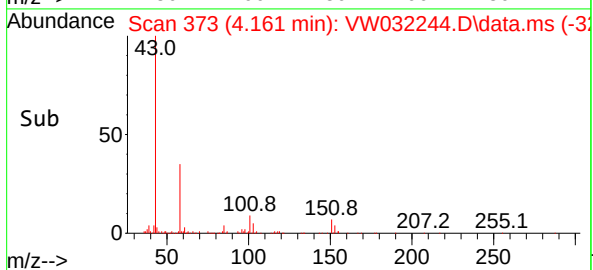
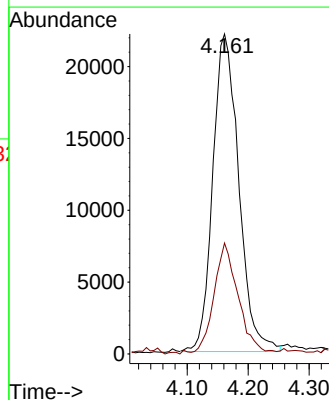
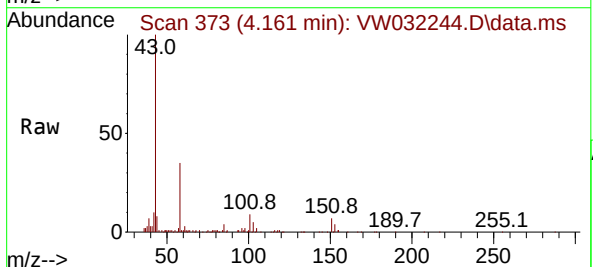
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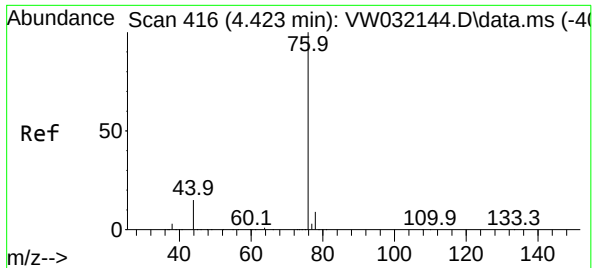
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#16
Acetone
Concen: 108.908 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 43 Resp: 65609
Ion Ratio Lower Upper
43 100
58 34.9 25.3 37.9





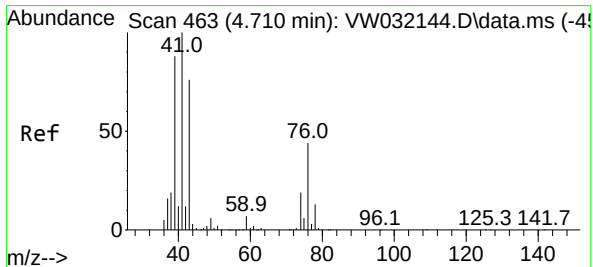
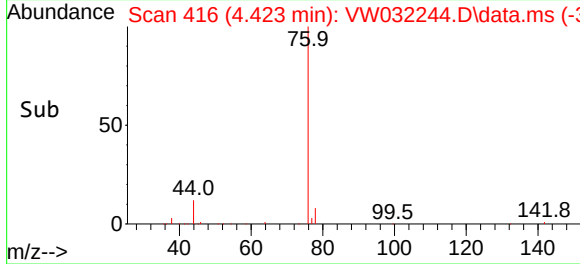
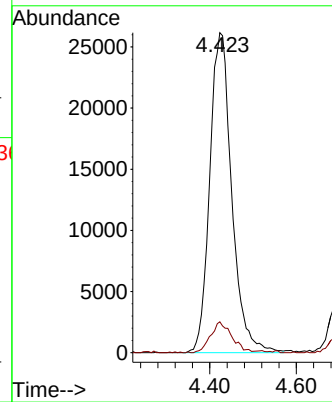
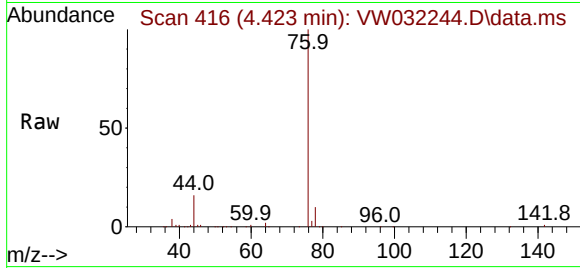
#17
Carbon Disulfide
Concen: 17.973 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 76 Resp: 92400
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6

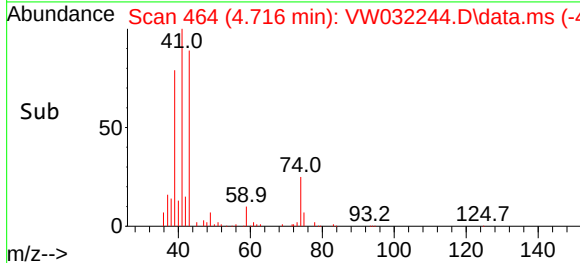
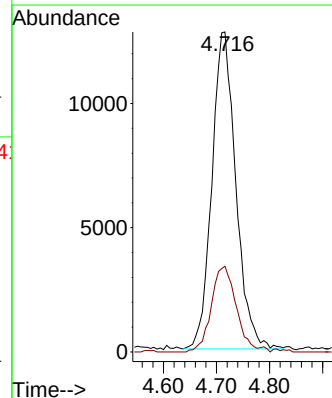
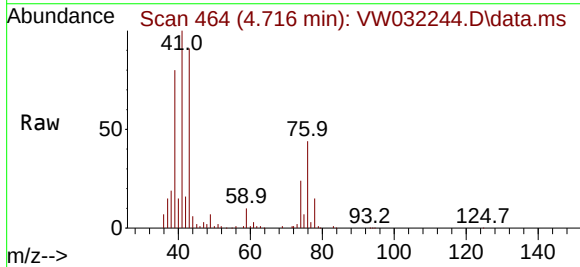
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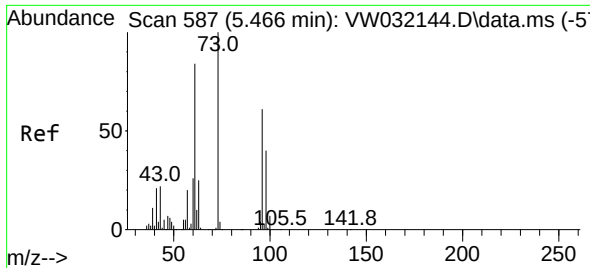
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#18
Methyl Acetate
Concen: 20.860 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 43 Resp: 40040
Ion Ratio Lower Upper
43 100
74 27.8 20.2 30.4





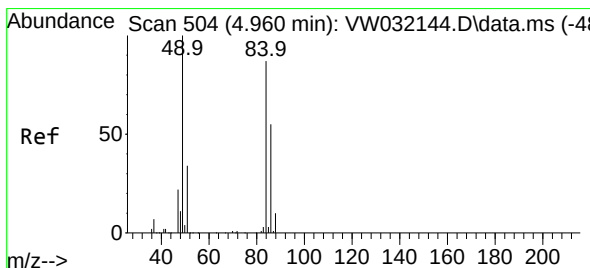
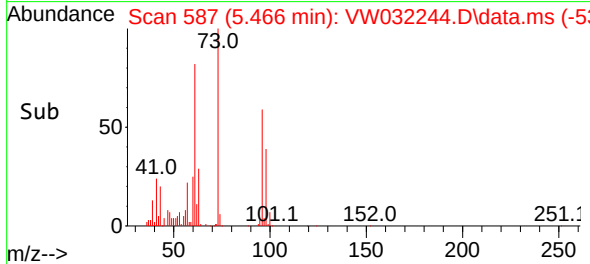
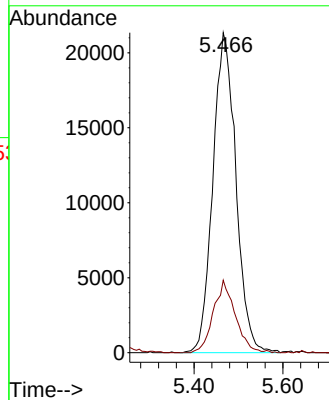
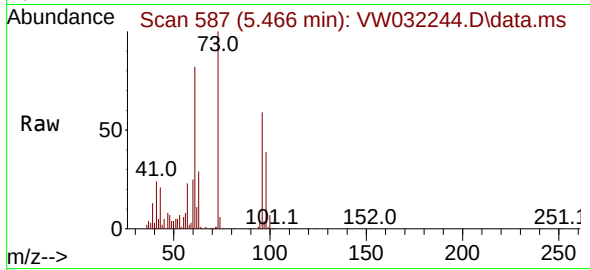
#19
Methyl tert-butyl Ether
Concen: 19.755 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 73 Resp: 7668
Ion Ratio Lower Upper
73 100
57 22.7 16.2 24.4

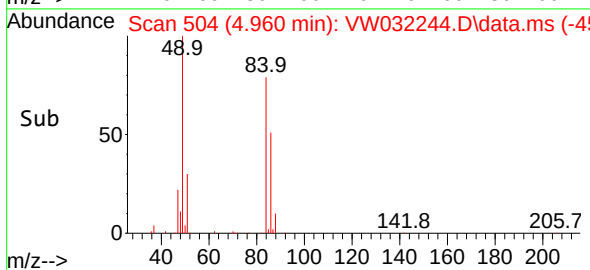
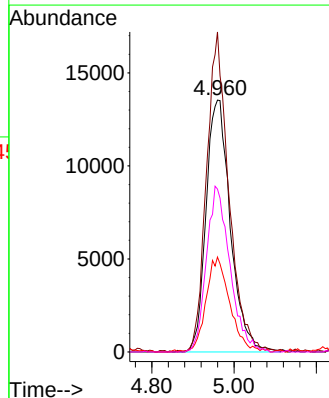
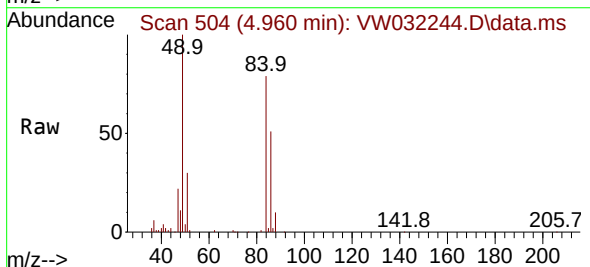
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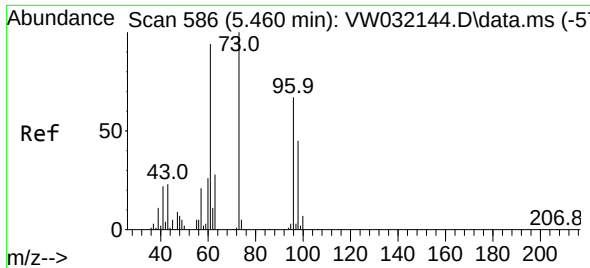
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#20
Methylene Chloride
Concen: 19.881 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

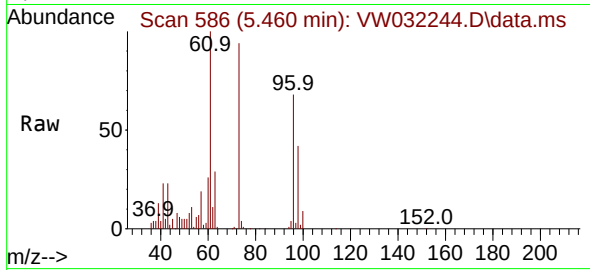
Tgt Ion: 84 Resp: 55611
Ion Ratio Lower Upper
84 100
49 126.6 92.2 138.4
51 37.1 31.0 46.6
86 64.7 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 19.085 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

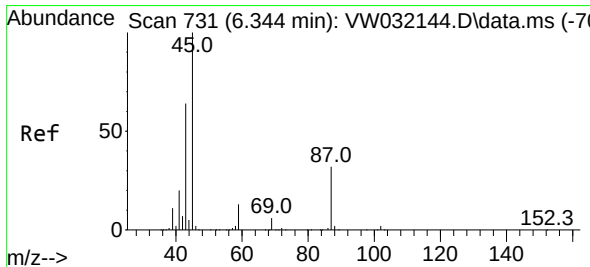
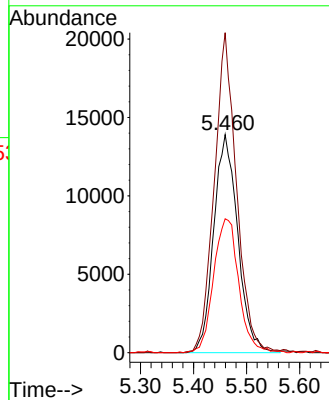
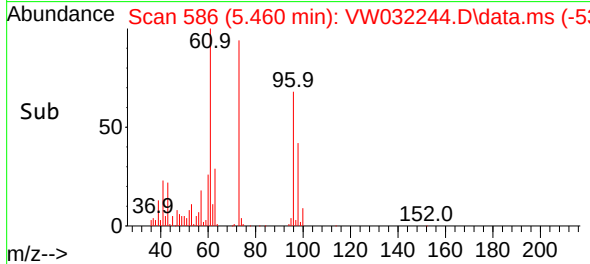
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01



Tgt Ion: 96 Resp: 43820
Ion Ratio Lower Upper
96 100
61 146.7 112.5 168.7
98 61.1 54.2 81.4

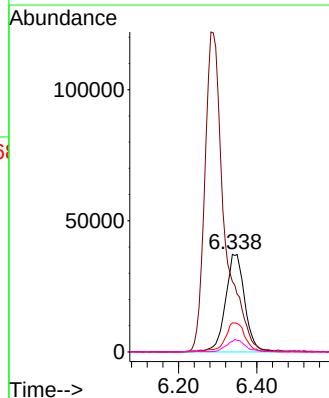
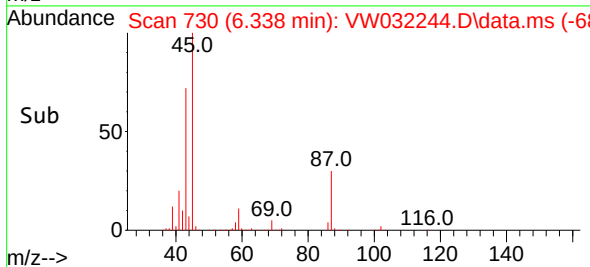
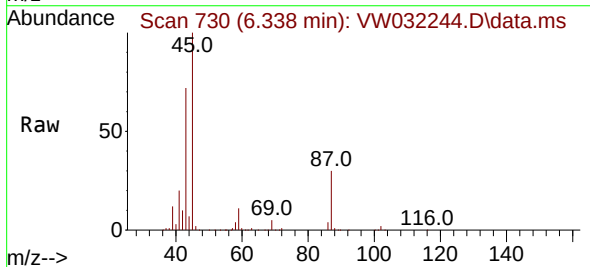
Manual Integrations
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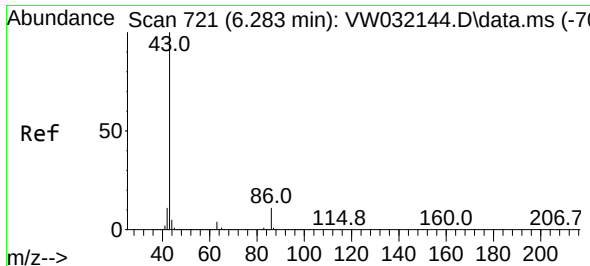
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#22
Diisopropyl ether
Concen: 20.021 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 45 Resp: 127234
Ion Ratio Lower Upper
45 100
43 71.9 51.4 77.2
87 29.7 25.9 38.9
59 10.6 10.1 15.1





#23

Vinyl Acetate

Concen: 97.681 ug/l

RT: 6.283 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tgt Ion: 43 Resp: 42205

Ion Ratio Lower Upper

43 100

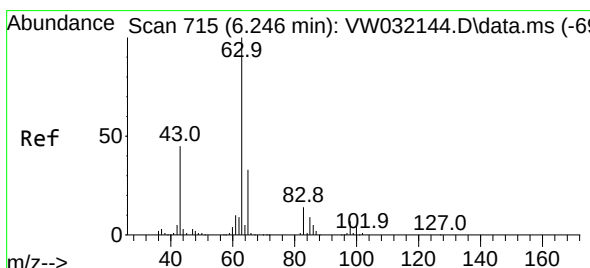
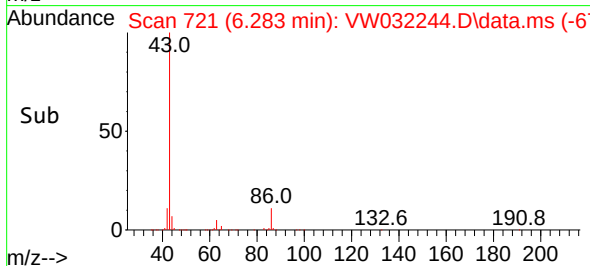
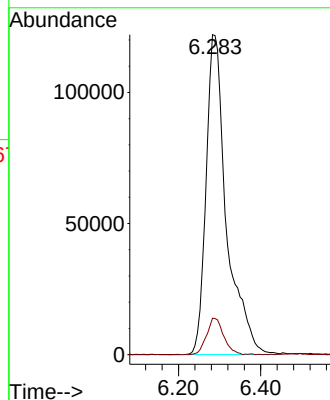
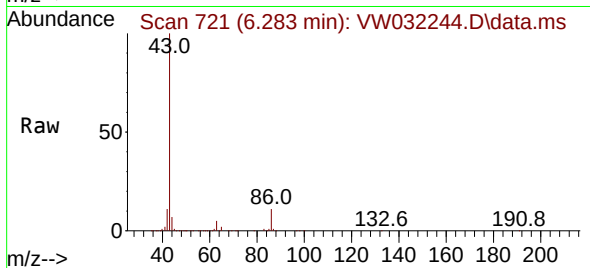
86 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#24

1,1-Dichloroethane

Concen: 19.781 ug/l

RT: 6.246 min Scan# 715

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

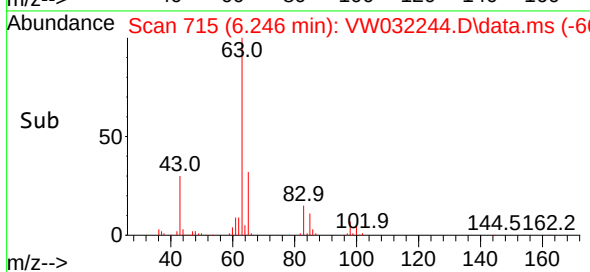
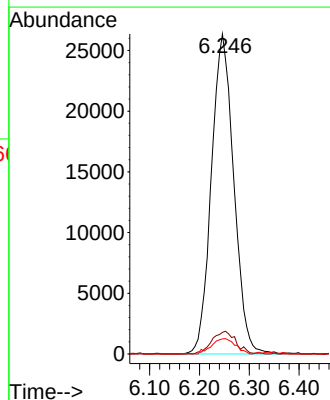
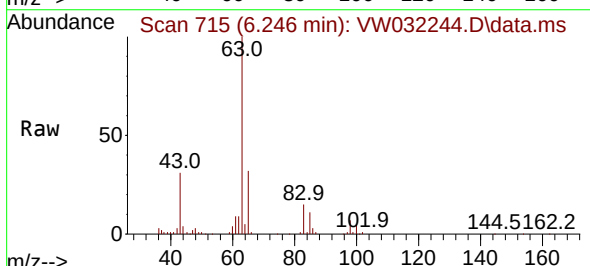
Tgt Ion: 63 Resp: 82300

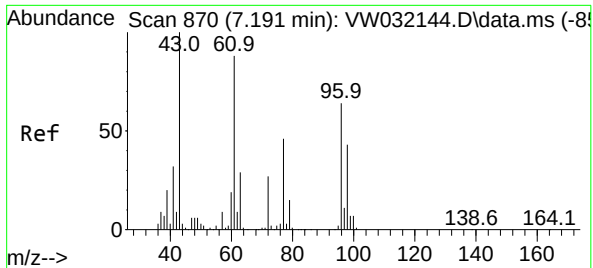
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.7 2.5 7.5





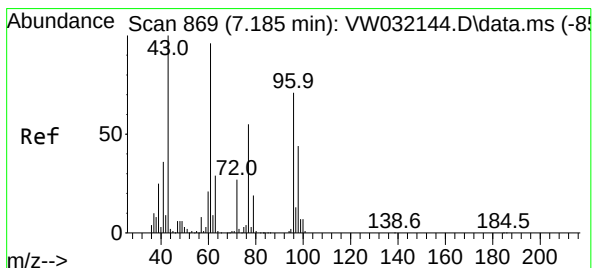
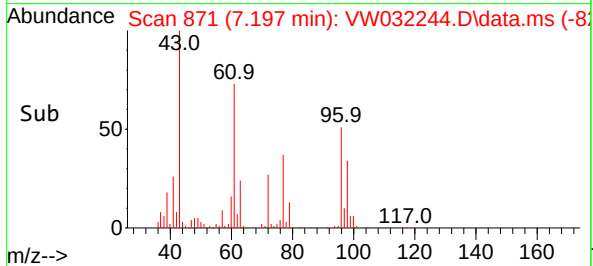
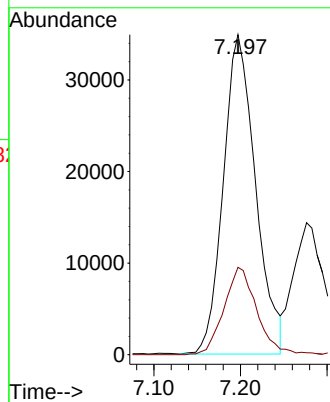
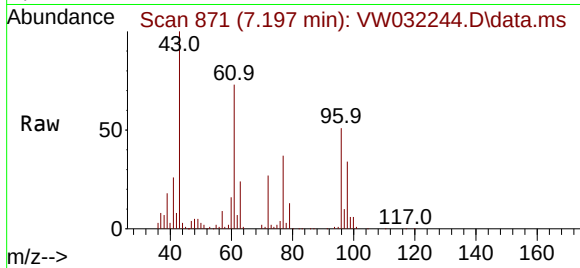
#25
2-Butanone
Concen: 105.752 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion: 43 Resp: 90270
Ion Ratio Lower Upper
43 100
72 27.3 21.4 32.2

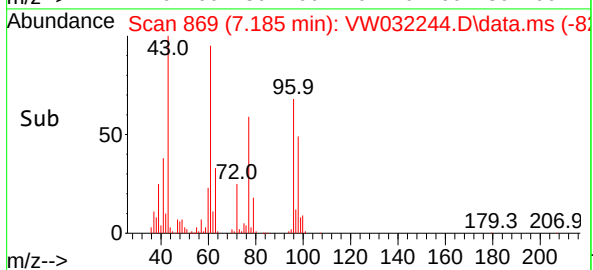
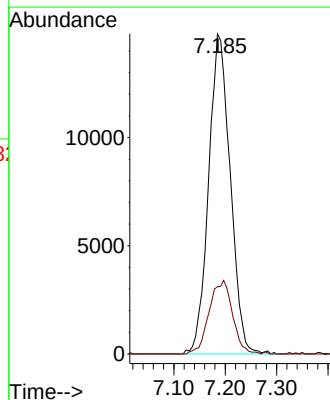
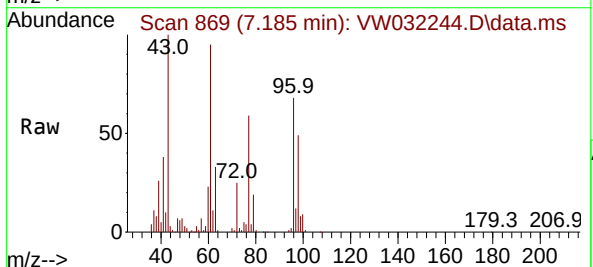
Manual Integrations
APPROVED

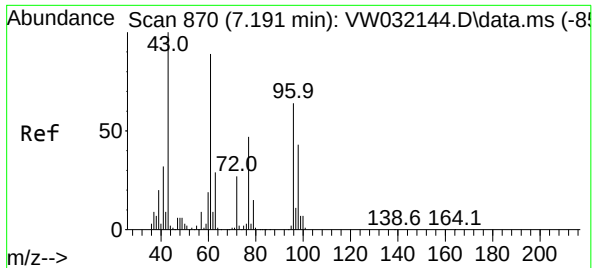
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#26
2,2-Dichloropropane
Concen: 19.661 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 77 Resp: 43318
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.5





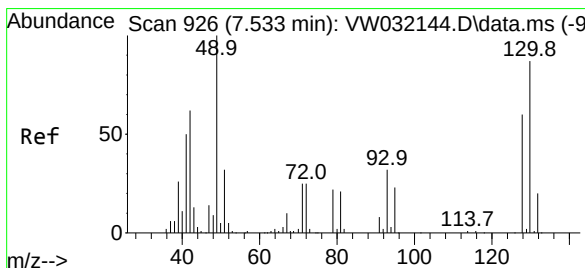
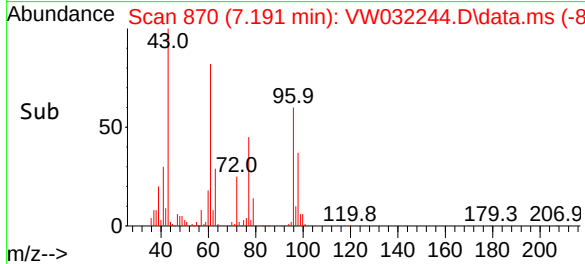
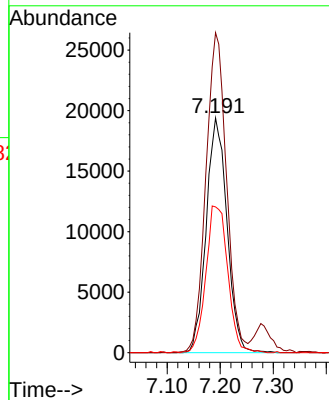
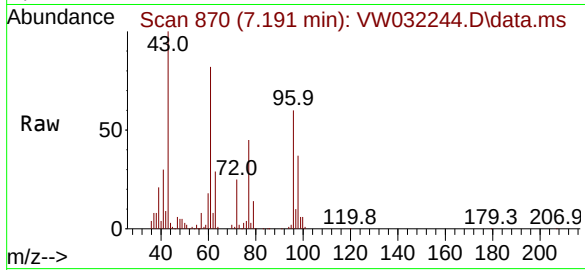
#27
cis-1,2-Dichloroethene
Concen: 18.899 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 96 Resp: 5281
Ion Ratio Lower Upper
96 100
61 135.2 0.0 268.0
98 66.0 0.0 130.8

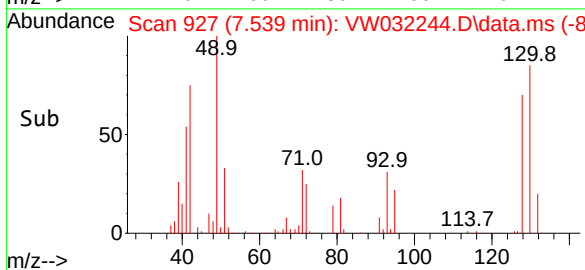
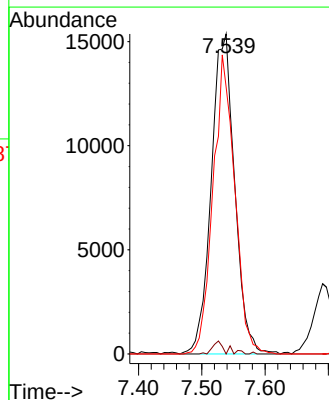
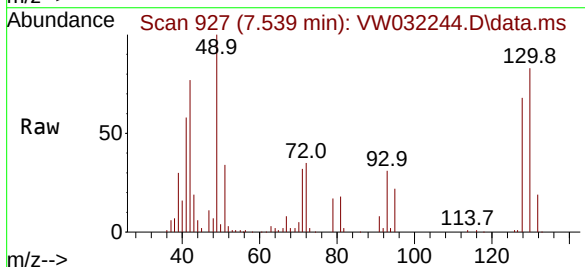
Manual Integrations
APPROVED

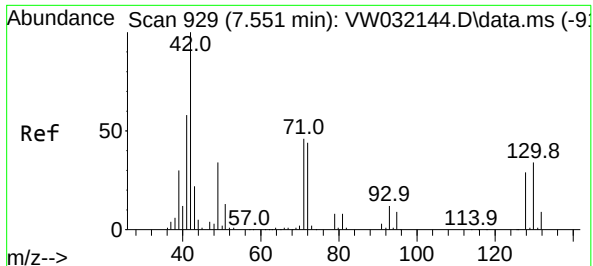
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#28
Bromochloromethane
Concen: 20.722 ug/l
RT: 7.539 min Scan# 927
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 49 Resp: 39465
Ion Ratio Lower Upper
49 100
129 1.6 0.0 4.2
130 86.5 67.5 101.3





#29

Tetrahydrofuran

Concen: 100.320 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

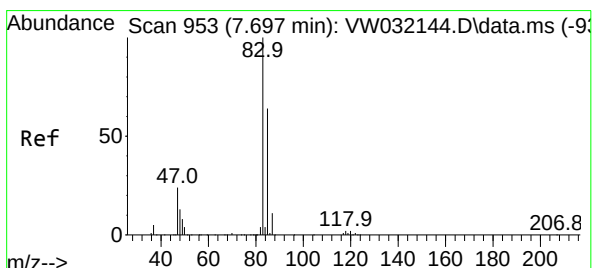
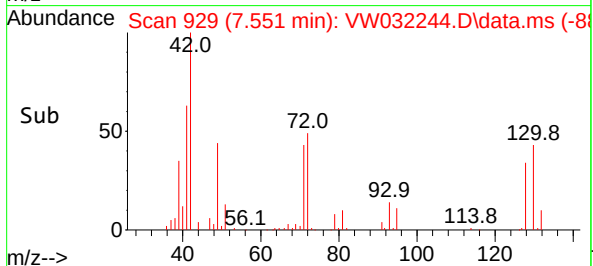
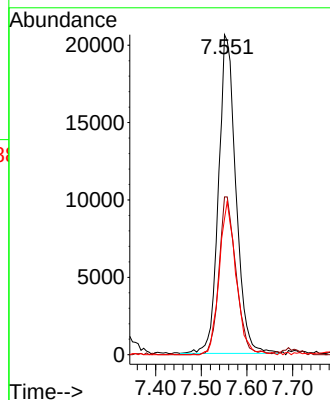
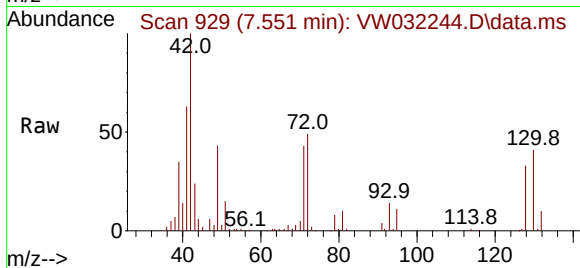
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:	42	Resp:	54420
Ion	Ratio	Lower	Upper
42	100		
72	48.2	37.4	56.2
71	46.6	36.0	54.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#30

Chloroform

Concen: 20.185 ug/l

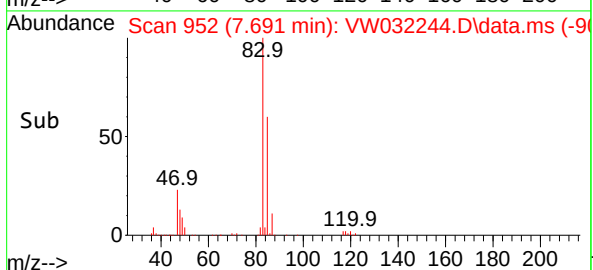
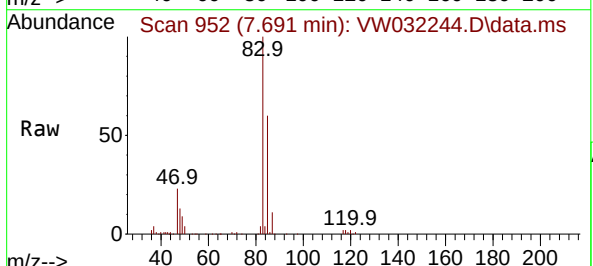
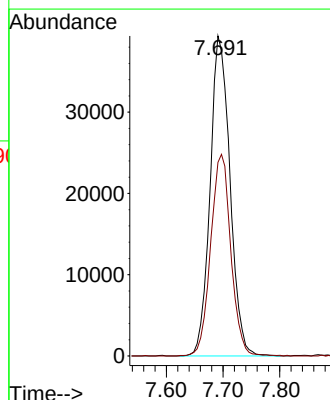
RT: 7.691 min Scan# 952

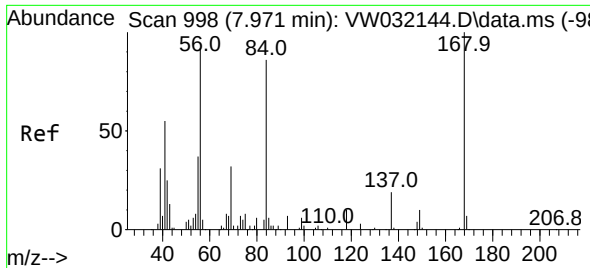
Delta R.T. -0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Tgt Ion:	83	Resp:	95881
Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.2	76.8





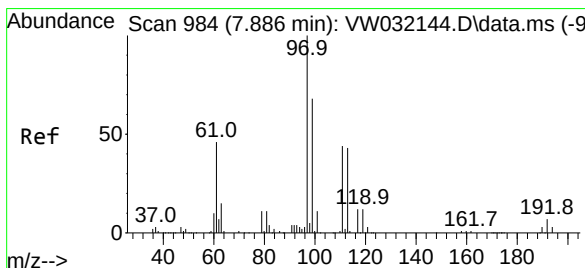
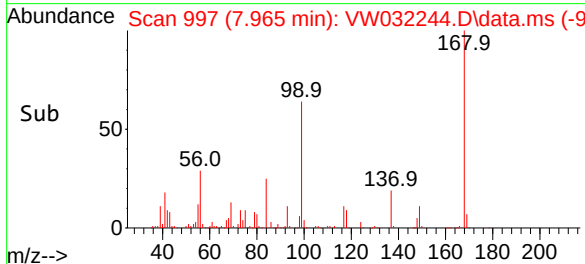
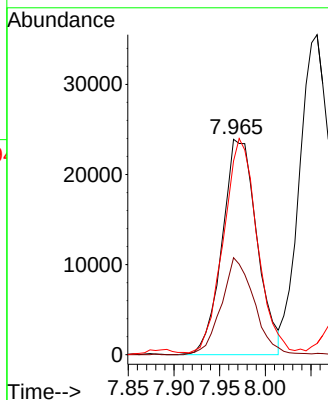
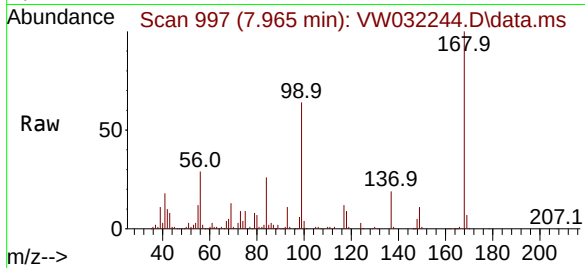
#31
Cyclohexane
Concen: 18.497 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 56 Resp: 6316
Ion Ratio Lower Upper
56 100
69 45.0 27.7 41.5
84 88.9 74.6 112.0

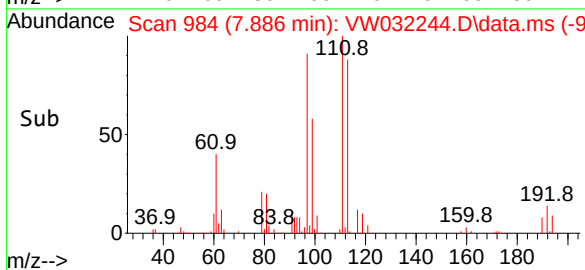
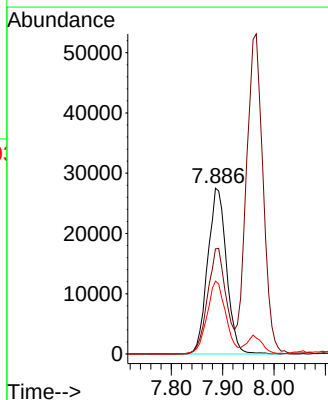
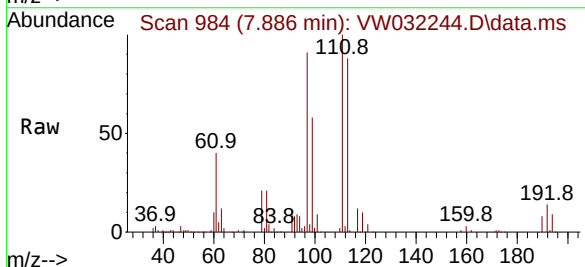
Manual Integrations
APPROVED

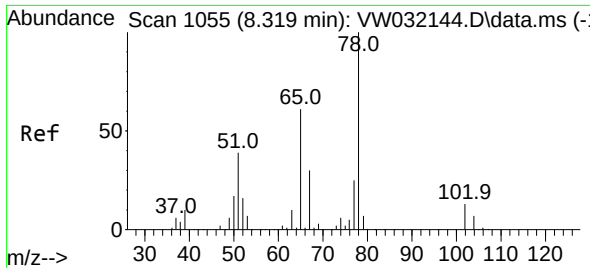
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#32
1,1,1-Trichloroethane
Concen: 20.176 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 97 Resp: 69962
Ion Ratio Lower Upper
97 100
99 62.6 50.9 76.3
61 44.1 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 50.413 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 65 Resp: 14023

Ion Ratio Lower Upper

65 100

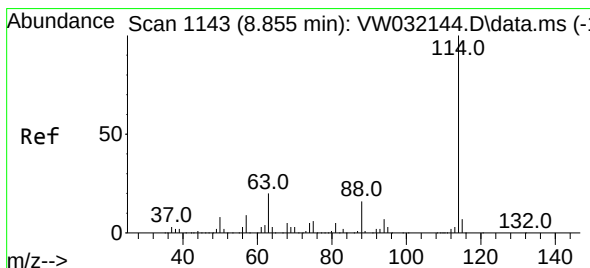
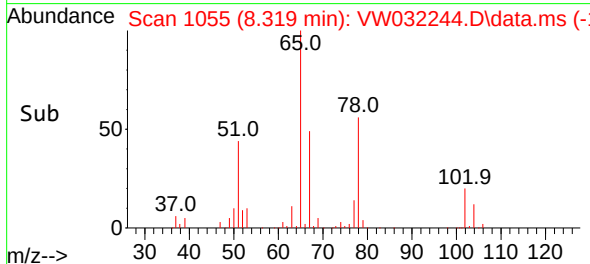
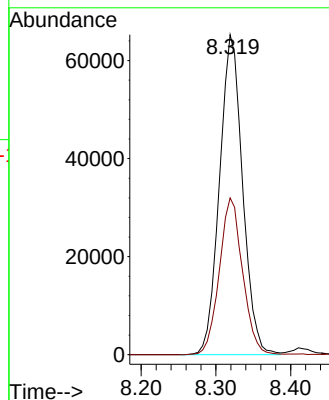
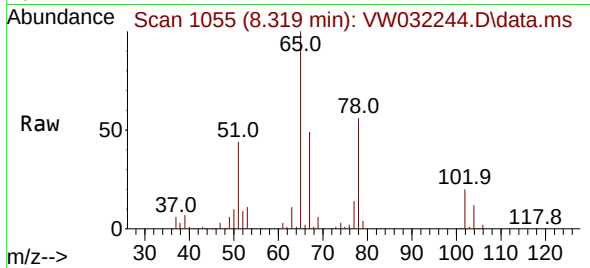
67 49.3 0.0 99.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

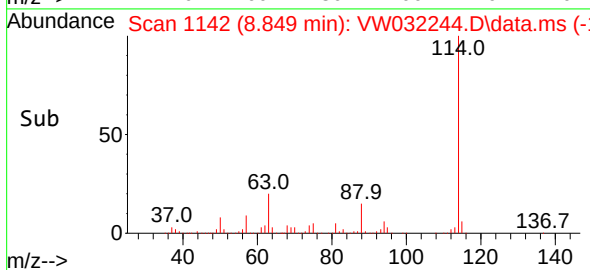
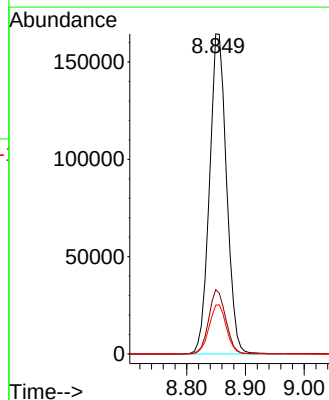
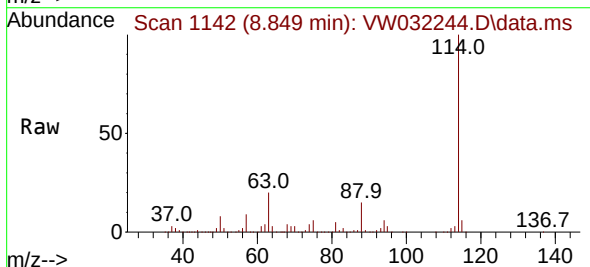
Tgt Ion:114 Resp: 331261

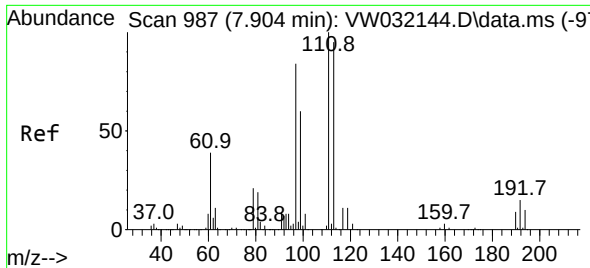
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 7.904 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tgt Ion:113 Resp: 116070

Ion Ratio Lower Upper

113 100

111 101.0 83.9 125.9

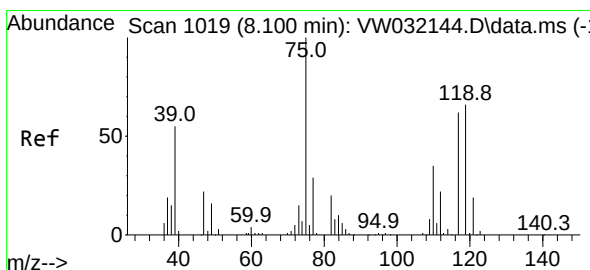
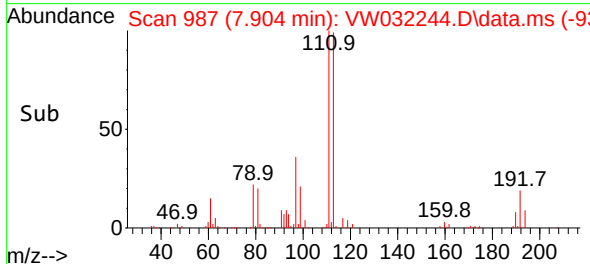
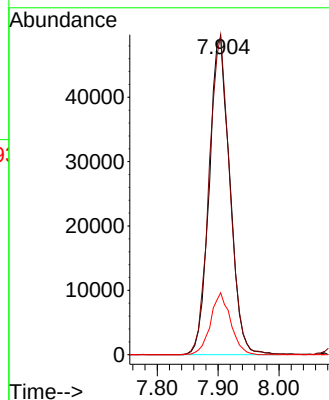
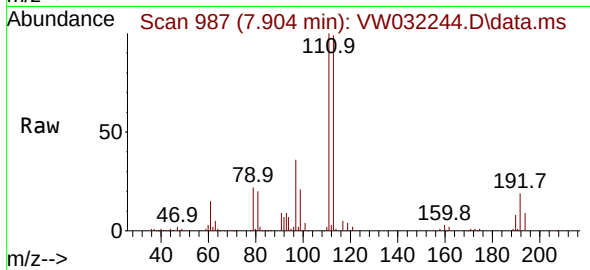
192 18.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#36

1,1-Dichloropropene

Concen: 19.572 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

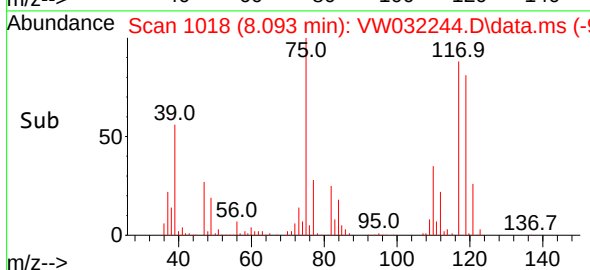
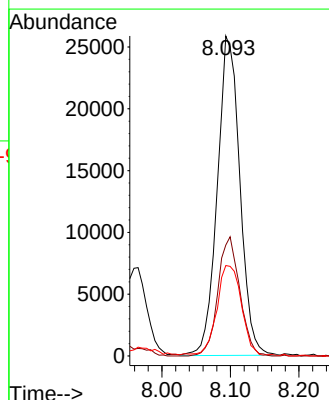
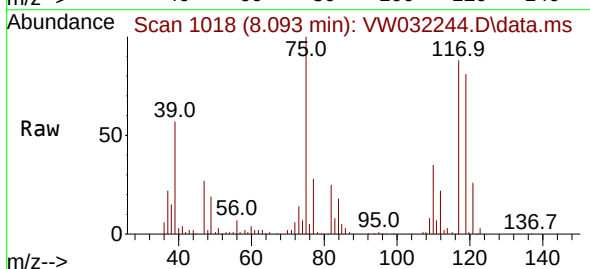
Tgt Ion: 75 Resp: 58978

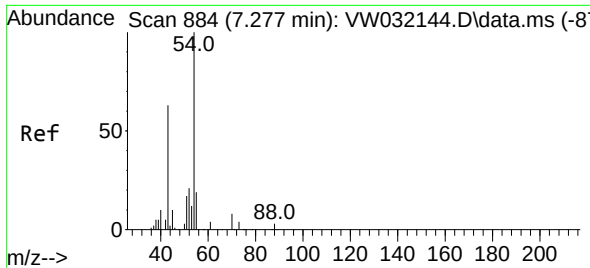
Ion Ratio Lower Upper

75 100

110 36.3 17.5 52.5

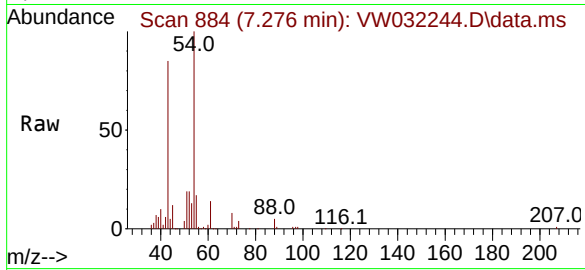
77 30.5 24.1 36.1





#37
Ethyl Acetate
Concen: 20.113 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

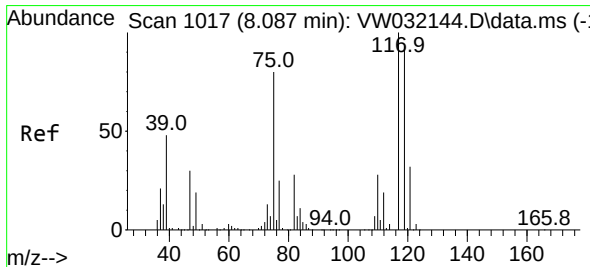
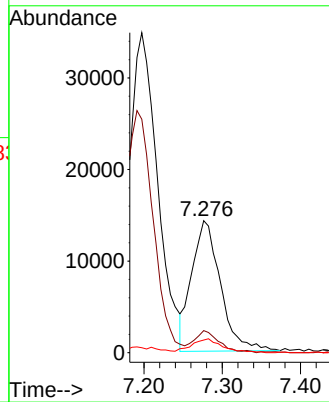
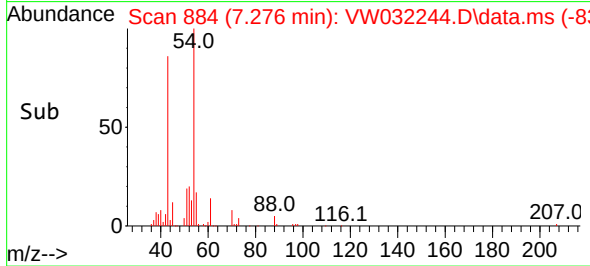
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01



Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 11.3 8.9 13.3

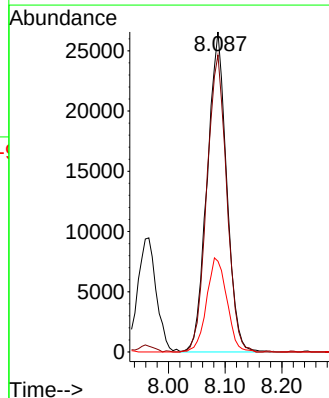
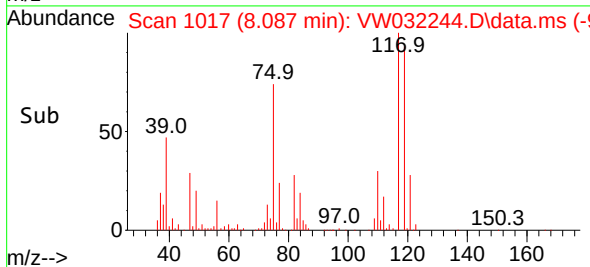
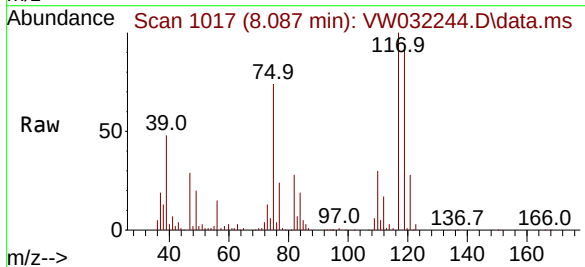
Manual Integrations
APPROVED

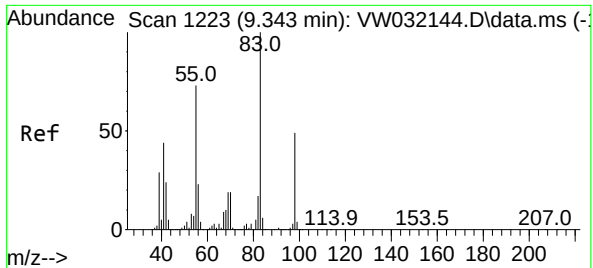
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#38
Carbon Tetrachloride
Concen: 19.648 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion:117 Resp: 63469
Ion Ratio Lower Upper
117 100
119 92.8 74.2 111.2
121 28.4 25.6 38.4





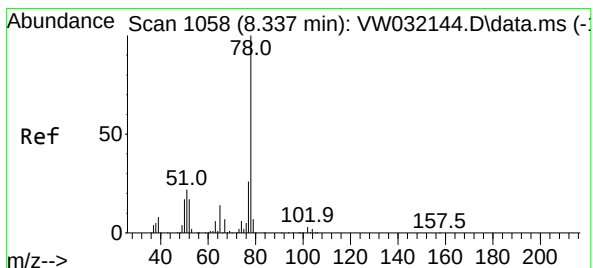
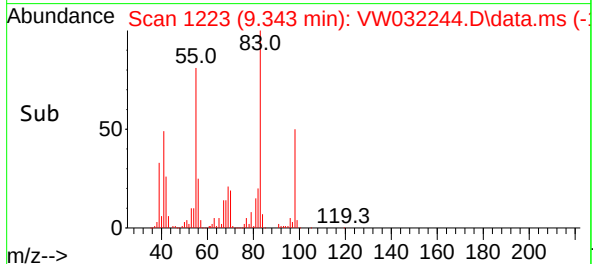
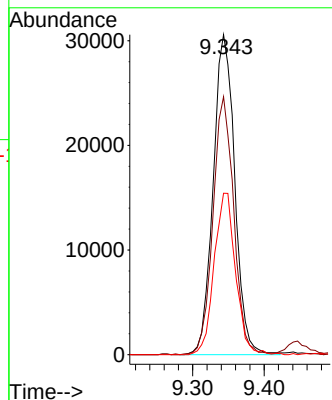
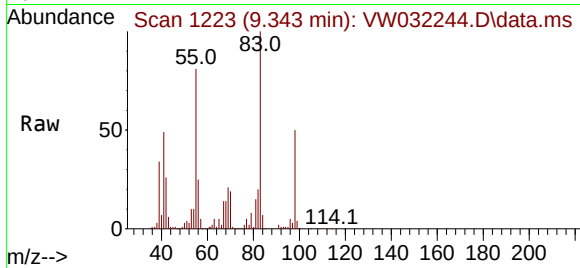
#39
Methylcyclohexane
Concen: 17.961 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion: 83 Resp: 64100
Ion Ratio Lower Upper
83 100
55 80.6 58.4 87.6
98 50.4 39.4 59.2

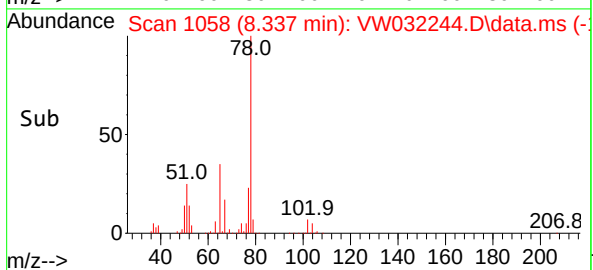
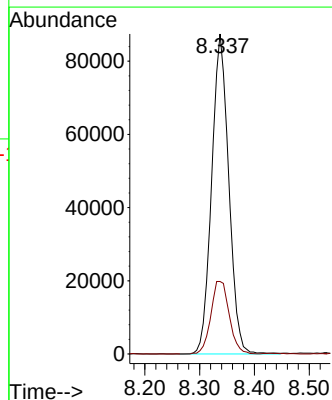
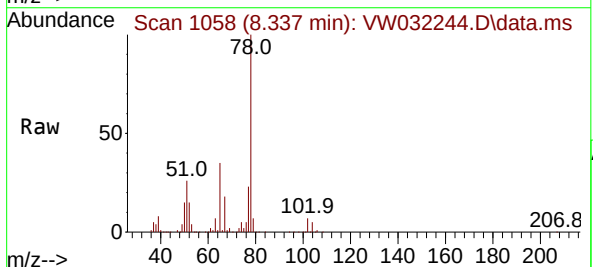
Manual Integrations
APPROVED

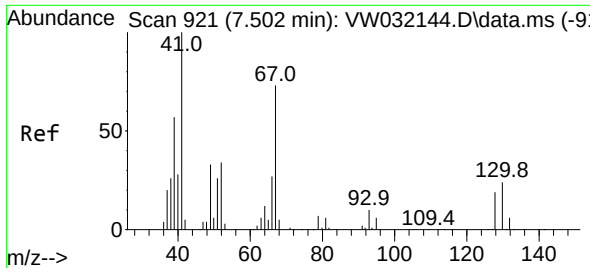
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#40
Benzene
Concen: 20.280 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 78 Resp: 188904
Ion Ratio Lower Upper
78 100
77 22.7 20.7 31.1





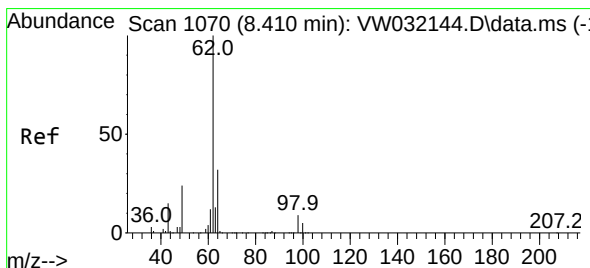
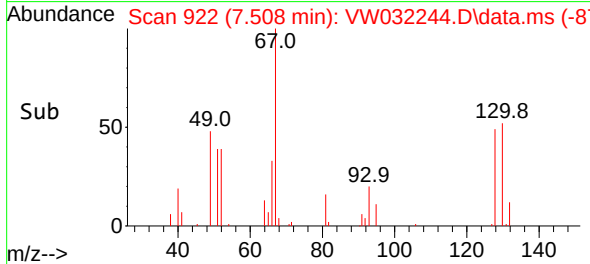
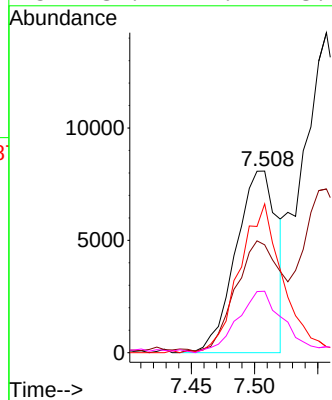
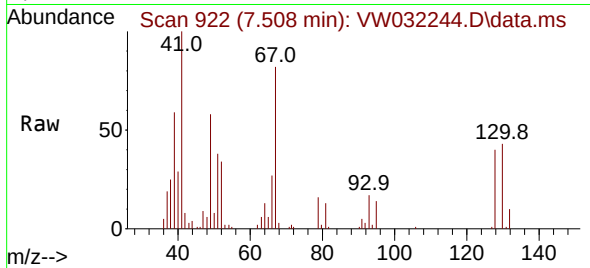
#41
Methacrylonitrile
Concen: 18.385 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion:	41	Resp:	1846
Ion	Ratio	Lower	Upper
41	100		
39	66.4	50.9	76.3
67	86.1	65.6	98.4
52	39.9	29.1	43.7

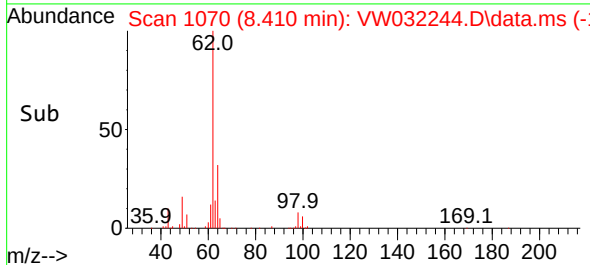
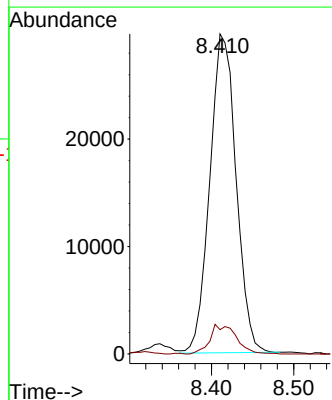
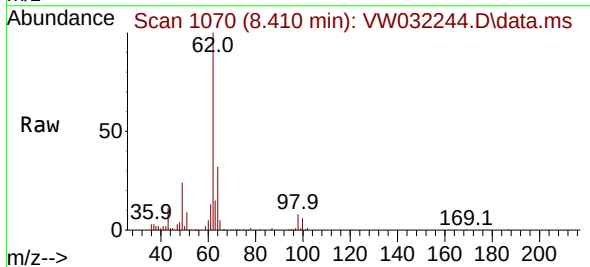
Manual Integrations
APPROVED

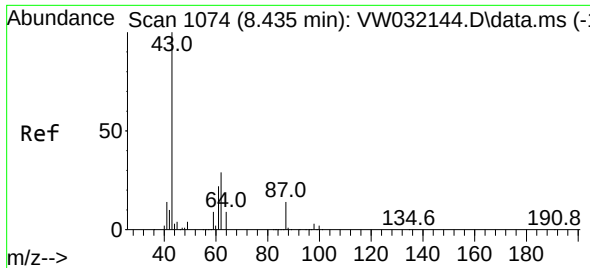
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#42
1,2-Dichloroethane
Concen: 20.410 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

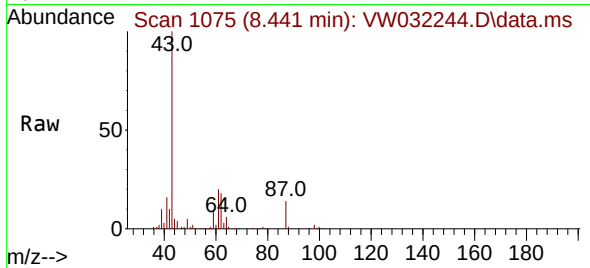
Tgt Ion:	62	Resp:	65907
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43
Isopropyl Acetate
Concen: 19.323 ug/l
RT: 8.441 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

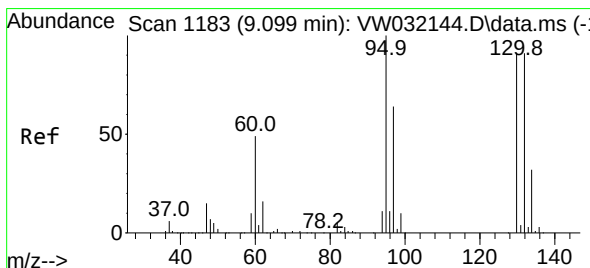
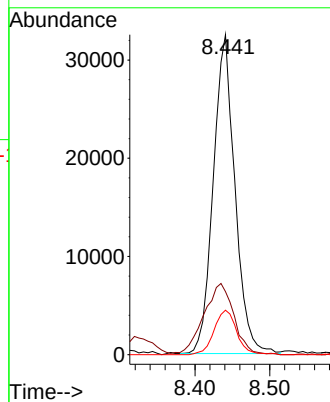
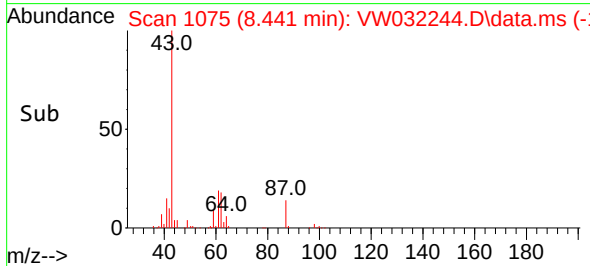
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 43 Resp: 65529
Ion Ratio Lower Upper
43 100
61 31.1 23.3 34.9
87 14.7 11.1 16.7

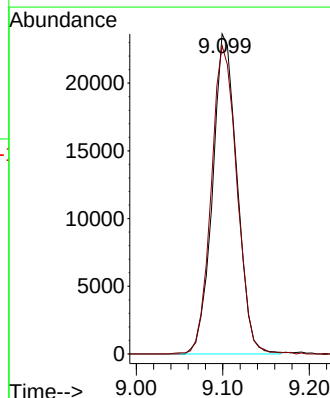
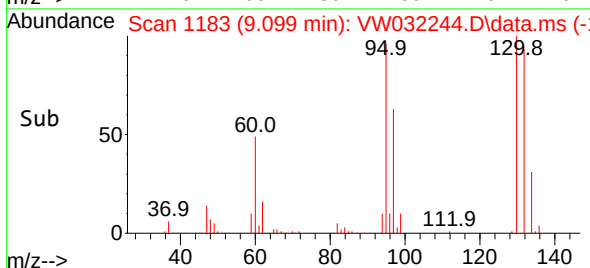
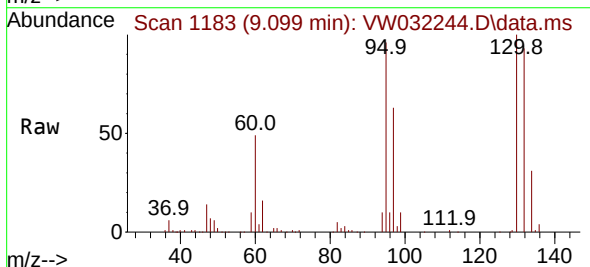
Manual Integrations
APPROVED

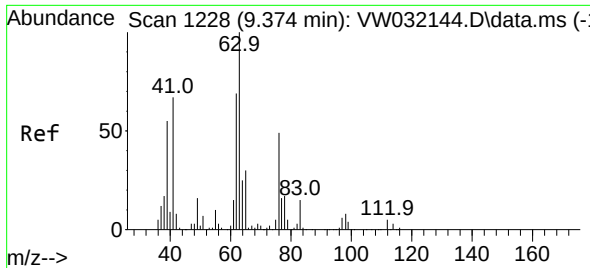
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#44
Trichloroethene
Concen: 19.840 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

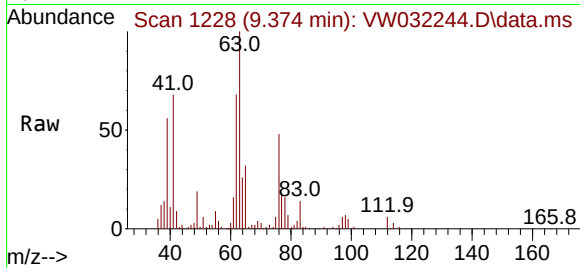
Tgt Ion:130 Resp: 46475
Ion Ratio Lower Upper
130 100
95 96.0 0.0 220.0





#45
1,2-Dichloropropane
Concen: 20.411 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

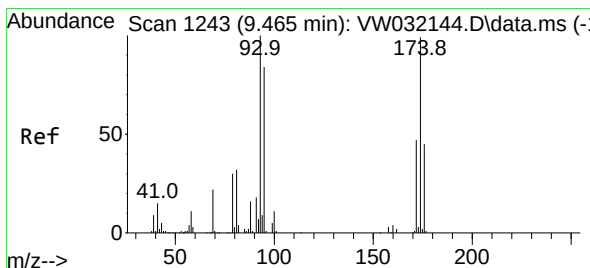
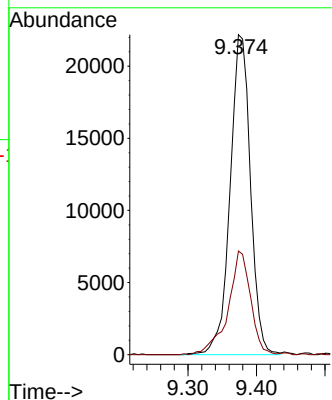
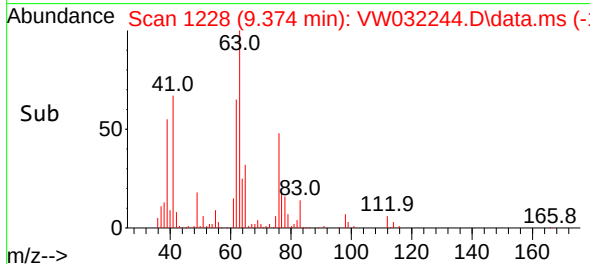
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 63 Resp: 4583
Ion Ratio Lower Upper
63 100
65 32.4 24.3 36.5

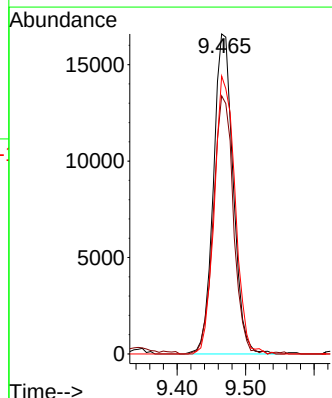
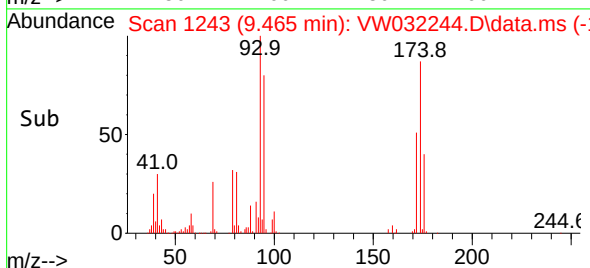
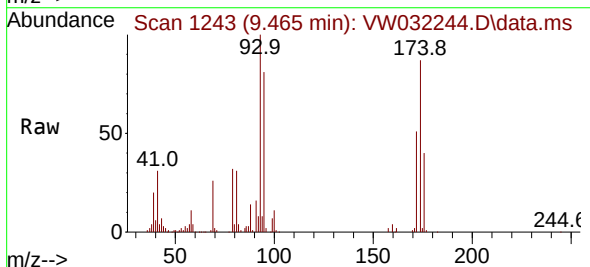
Manual Integrations
APPROVED

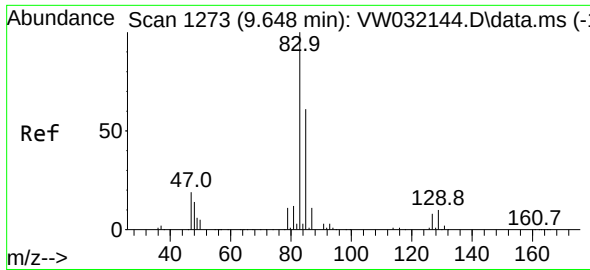
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#46
Dibromomethane
Concen: 21.081 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 93 Resp: 33201
Ion Ratio Lower Upper
93 100
95 81.9 67.4 101.2
174 90.9 75.7 113.5





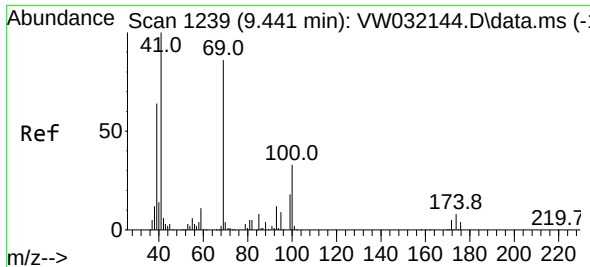
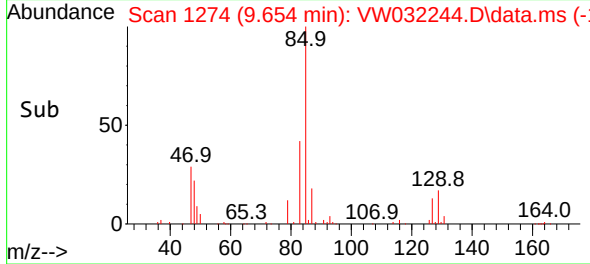
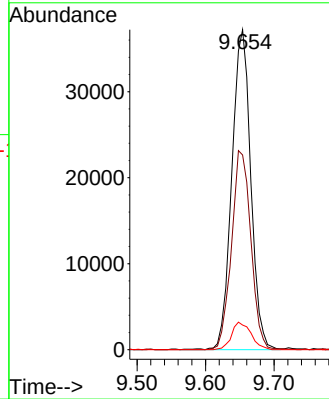
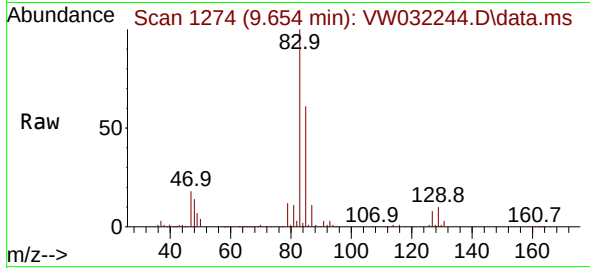
#47
Bromodichloromethane
Concen: 19.910 ug/l
RT: 9.654 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	48.7	73.1
127	7.7	6.4	9.6

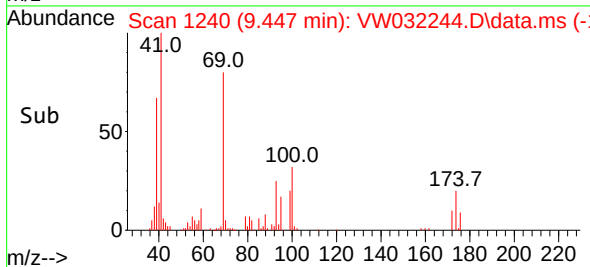
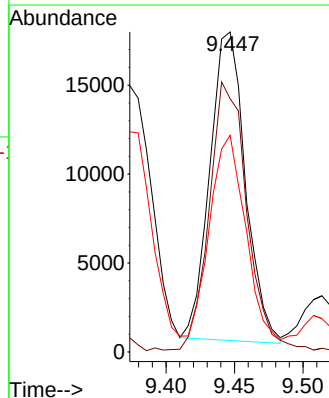
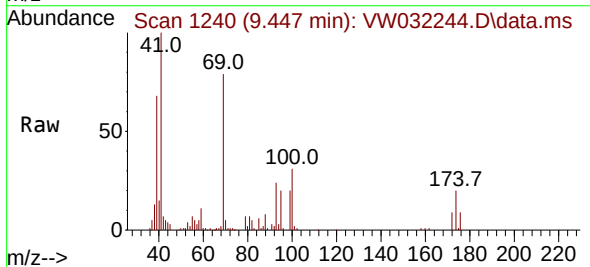
Manual Integrations
APPROVED

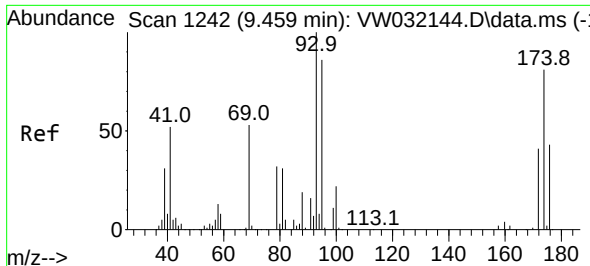
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#48
Methyl methacrylate
Concen: 20.019 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.9	71.5	107.3
39	73.5	55.9	83.9





#49

1,4-Dioxane

Concen: 421.570 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 88 Resp: 802

Ion Ratio Lower Upper

88 100

43 23.7 18.0 27.0

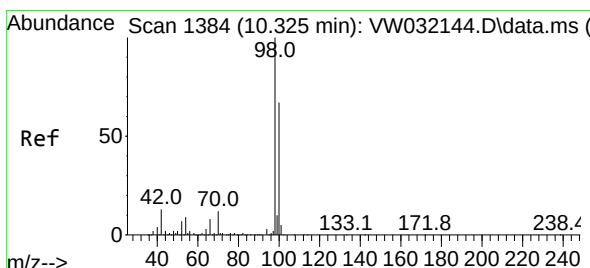
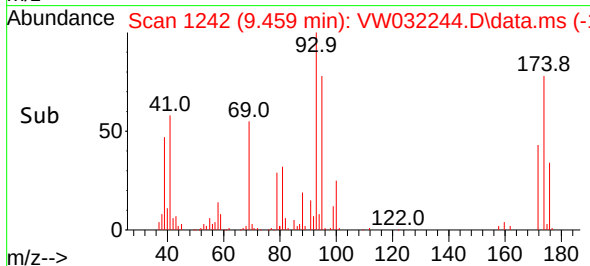
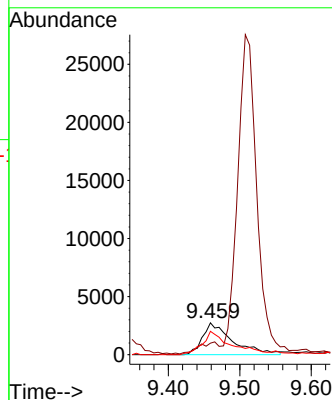
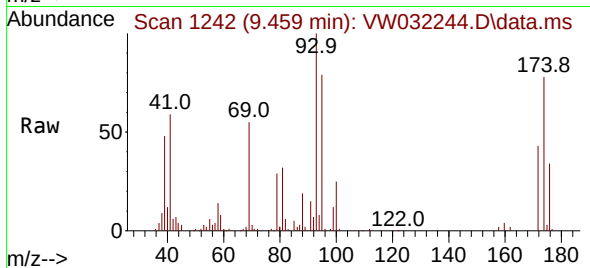
58 69.3 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#50

Toluene-d8

Concen: 49.582 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032244.D

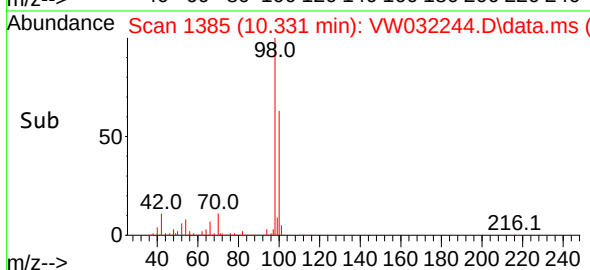
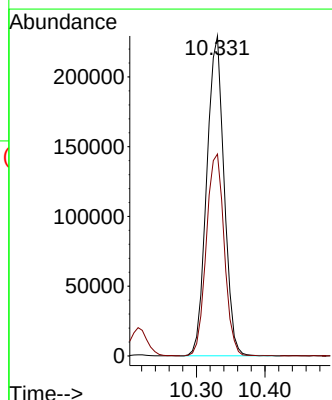
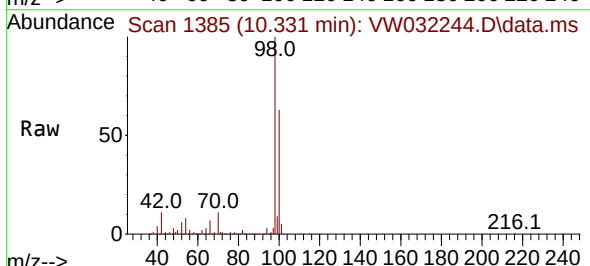
Acq: 24 Sep 2025 15:25

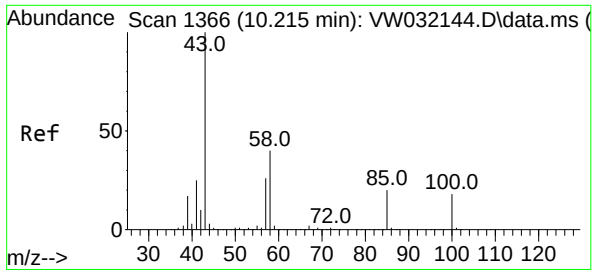
Tgt Ion: 98 Resp: 404527

Ion Ratio Lower Upper

98 100

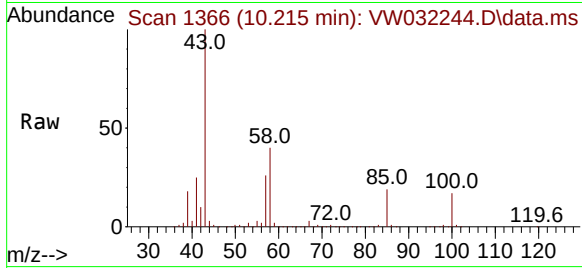
100 65.2 51.4 77.2





#51
4-Methyl-2-Pentanone
Concen: 104.523 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

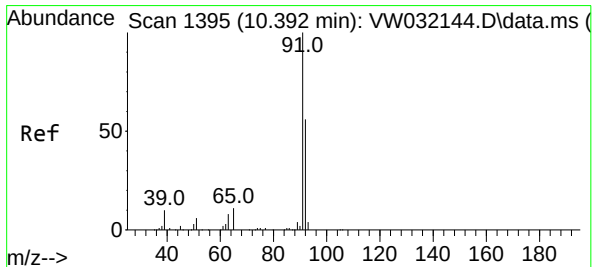
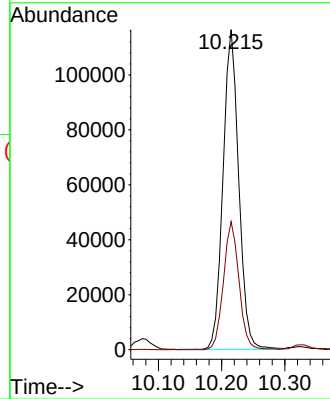
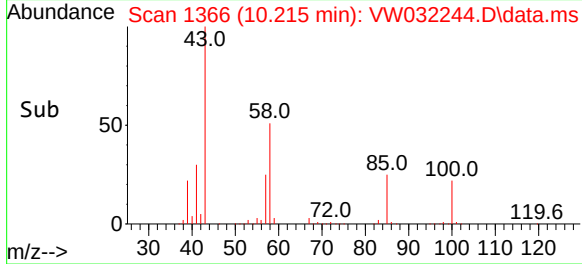
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 43 Resp: 200149
Ion Ratio Lower Upper
43 100
58 39.6 32.0 48.0

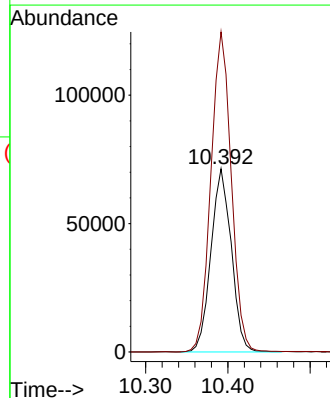
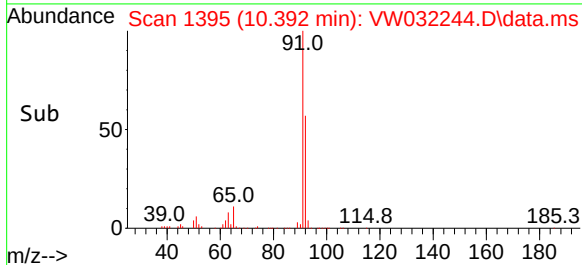
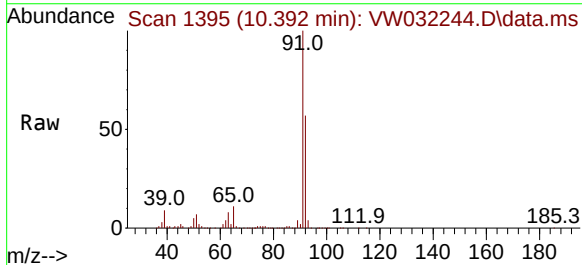
Manual Integrations
APPROVED

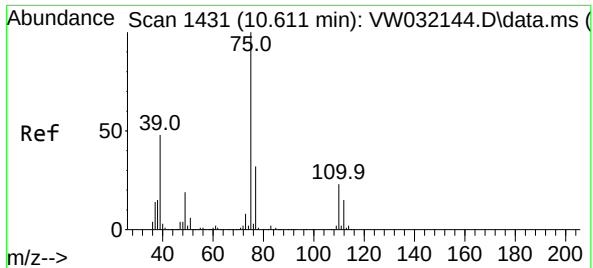
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#52
Toluene
Concen: 20.176 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

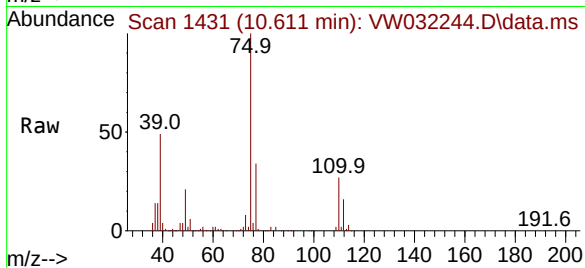
Tgt Ion: 92 Resp: 122808
Ion Ratio Lower Upper
92 100
91 174.8 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 19.178 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

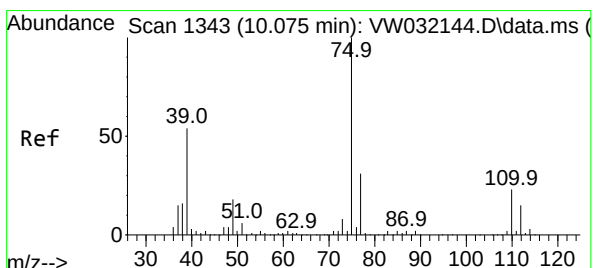
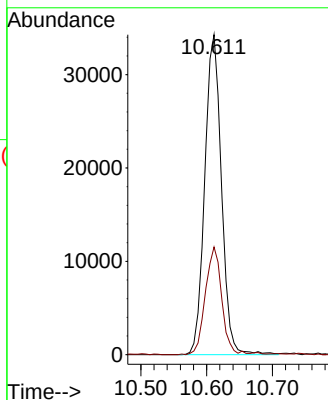
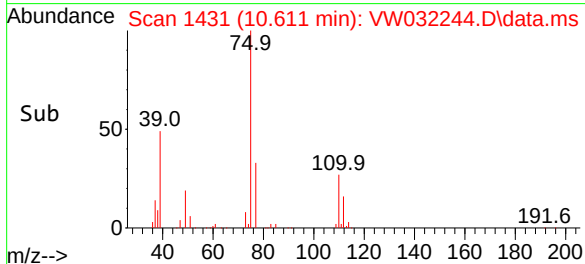
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



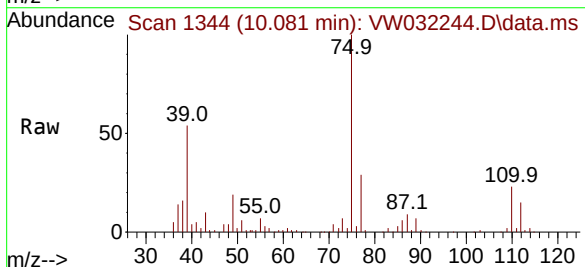
Tgt Ion: 75 Resp: 60550
Ion Ratio Lower Upper
75 100
77 33.6 25.6 38.4

Manual Integrations
APPROVED

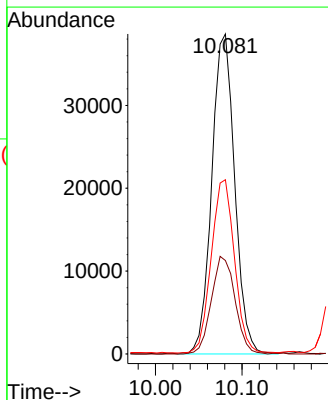
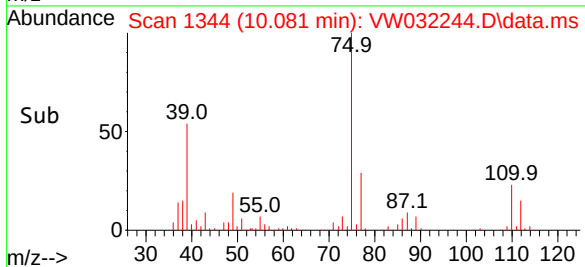
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

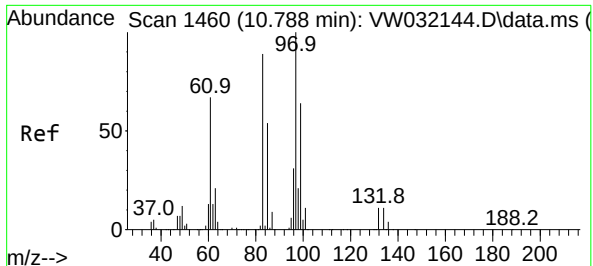


#54
cis-1,3-Dichloropropene
Concen: 19.714 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25



Tgt Ion: 75 Resp: 71020
Ion Ratio Lower Upper
75 100
77 29.2 25.1 37.7
39 54.2 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 20.362 ug/l

RT: 10.794 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 97 Resp: 4170

Ion Ratio Lower Upper

97 100

83 77.5 71.0 106.6

85 53.6 42.8 64.2

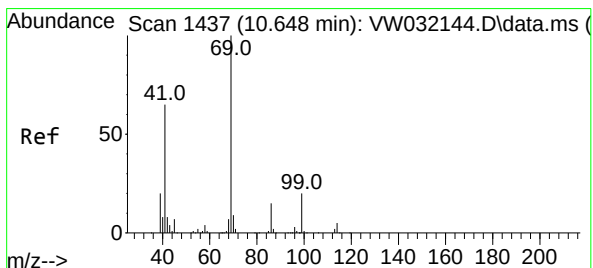
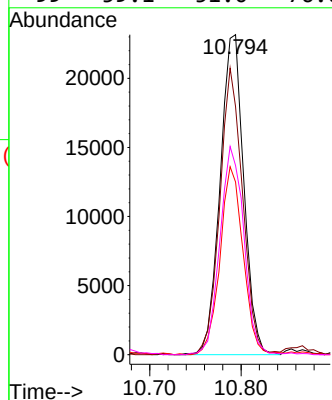
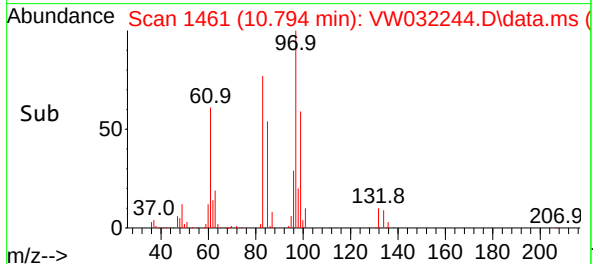
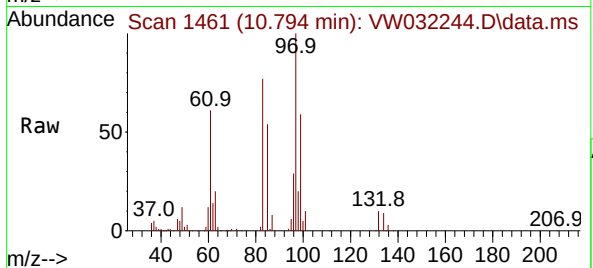
99 59.1 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#56

Ethyl methacrylate

Concen: 19.327 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

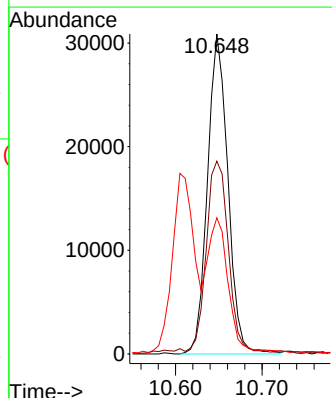
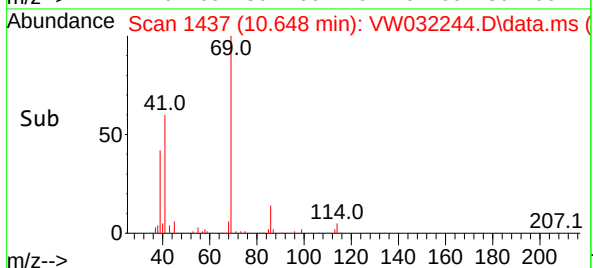
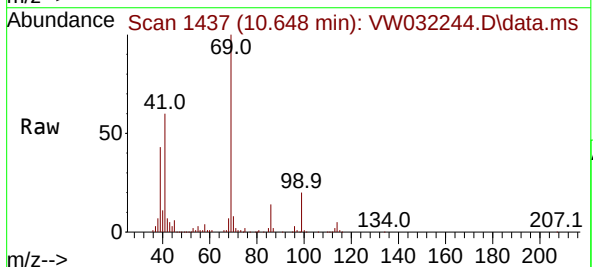
Tgt Ion: 69 Resp: 50603

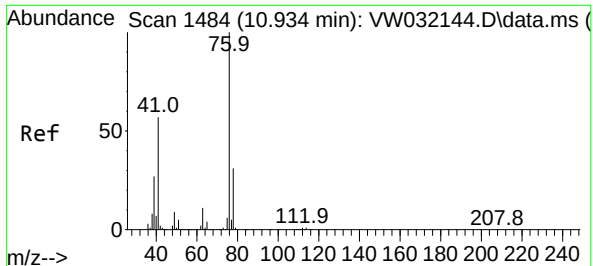
Ion Ratio Lower Upper

69 100

41 66.6 53.2 79.8

39 40.9 32.9 49.3





#57

1,3-Dichloropropane

Concen: 20.220 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 76 Resp: 6933

Ion Ratio Lower Upper

76 100

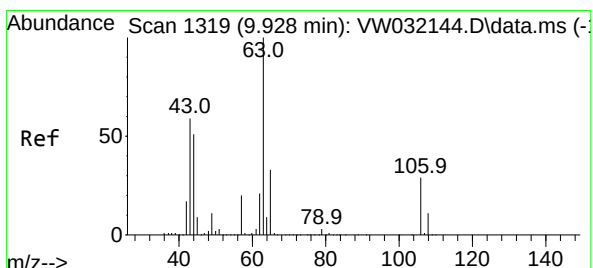
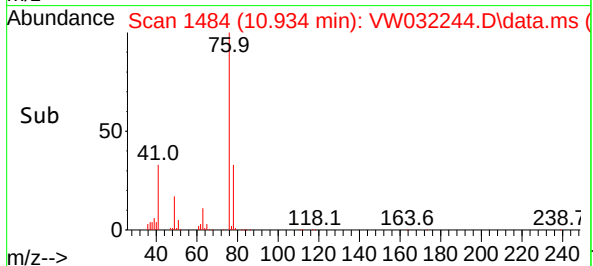
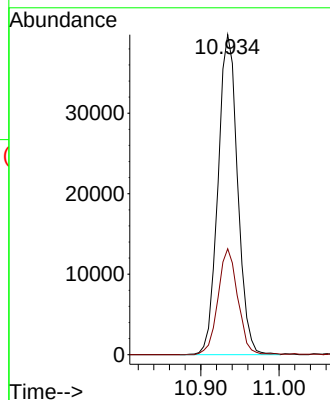
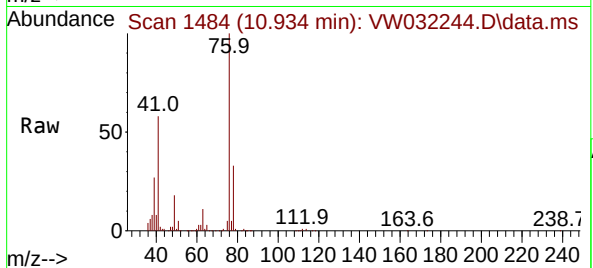
78 33.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 102.194 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032244.D

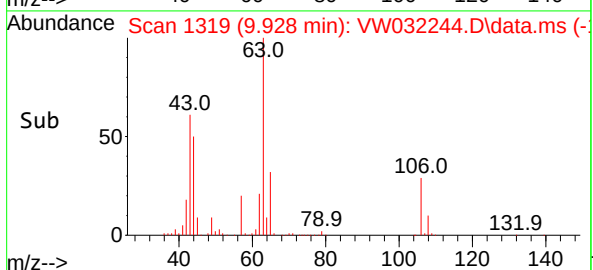
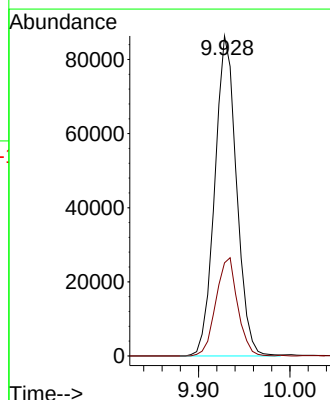
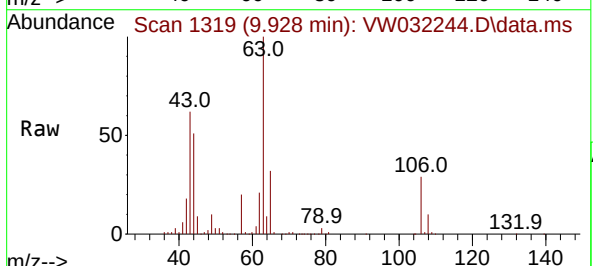
Acq: 24 Sep 2025 15:25

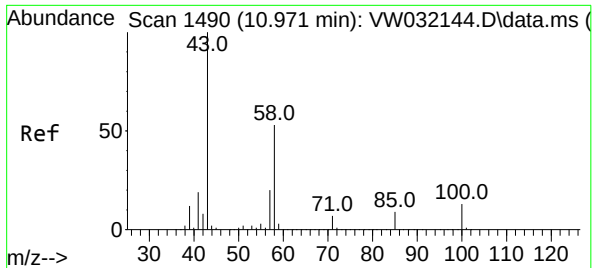
Tgt Ion: 63 Resp: 142819

Ion Ratio Lower Upper

63 100

106 30.6 24.3 36.5





#59

2-Hexanone

Concen: 106.981 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 43 Resp: 142472

Ion Ratio Lower Upper

43 100

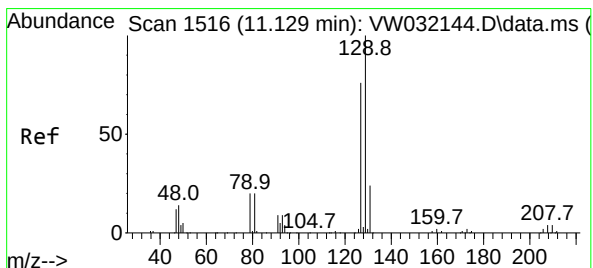
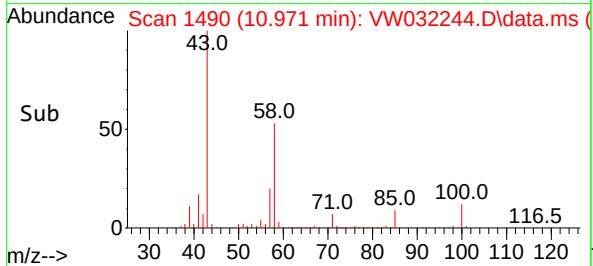
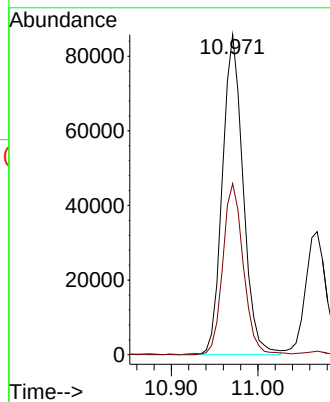
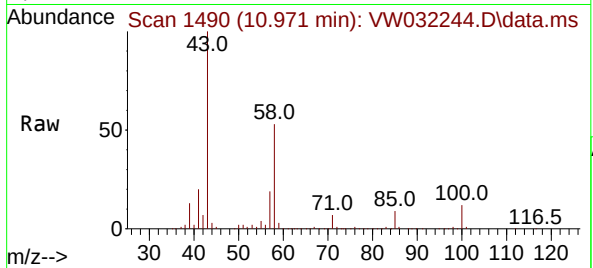
58 53.0 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#60

Dibromochloromethane

Concen: 19.842 ug/l

RT: 11.135 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VW032244.D

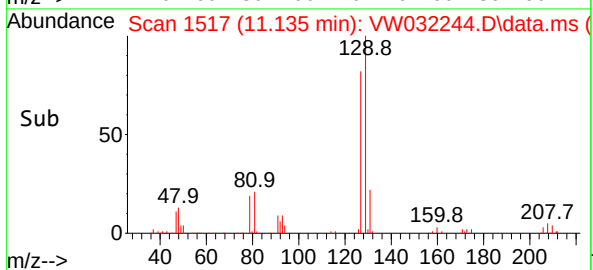
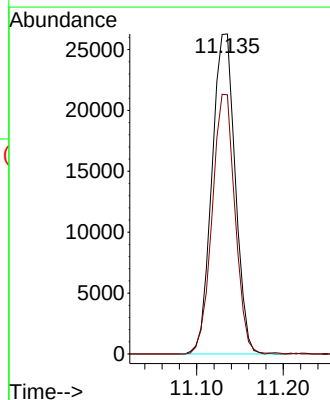
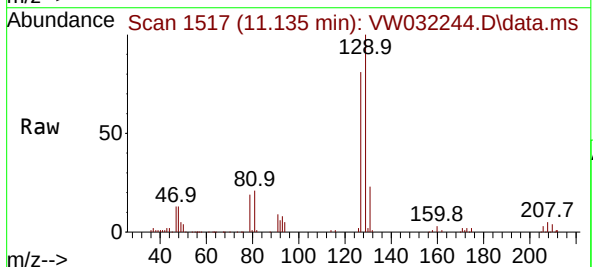
Acq: 24 Sep 2025 15:25

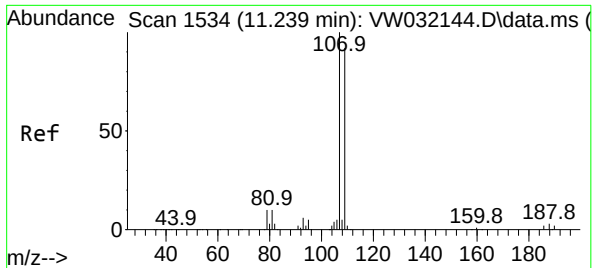
Tgt Ion:129 Resp: 49173

Ion Ratio Lower Upper

129 100

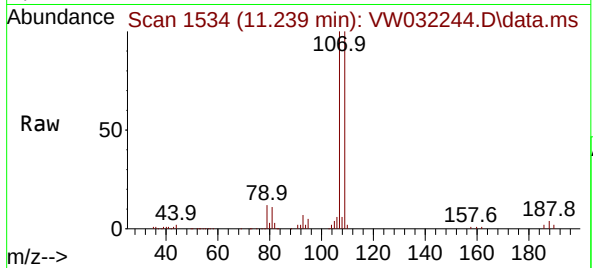
127 79.4 38.1 114.5





#61
1,2-Dibromoethane
Concen: 20.376 ug/l
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

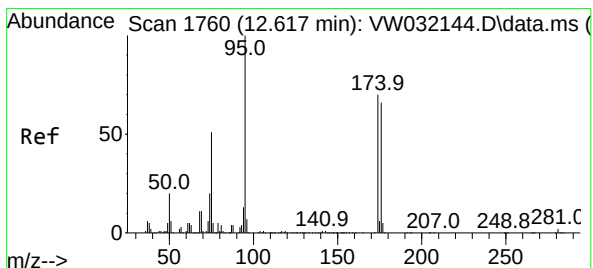
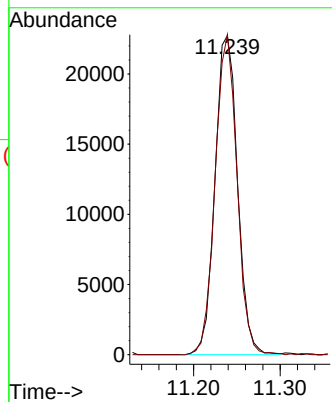
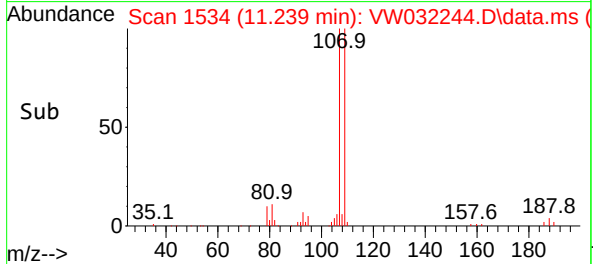
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion:107 Resp: 41030
Ion Ratio Lower Upper
107 100
109 97.3 74.5 111.7

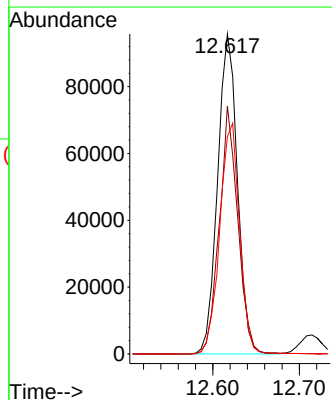
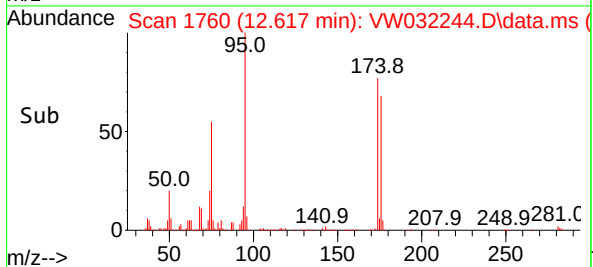
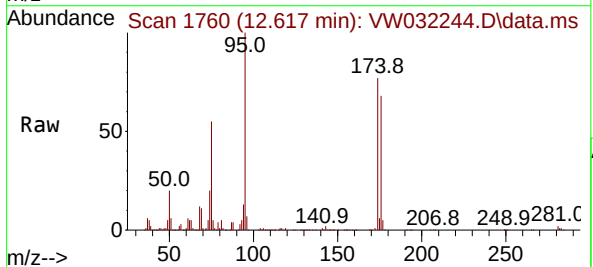
Manual Integrations
APPROVED

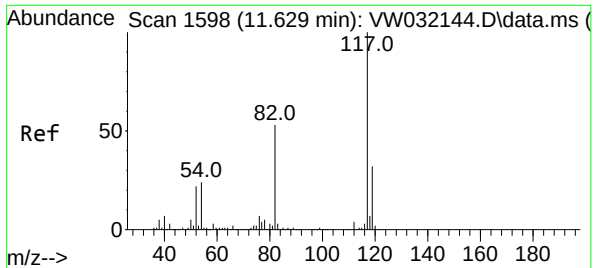
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#62
4-Bromofluorobenzene
Concen: 50.415 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

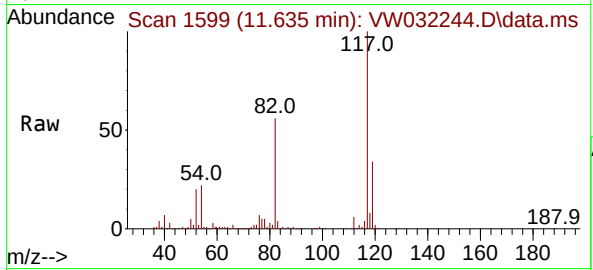
Tgt Ion: 95 Resp: 152099
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.6
176 72.6 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

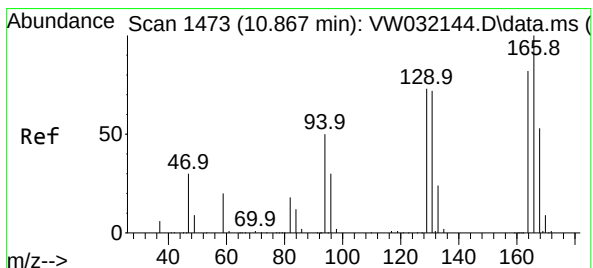
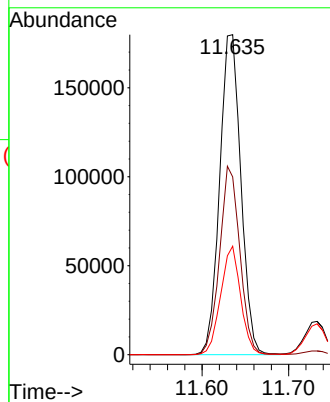
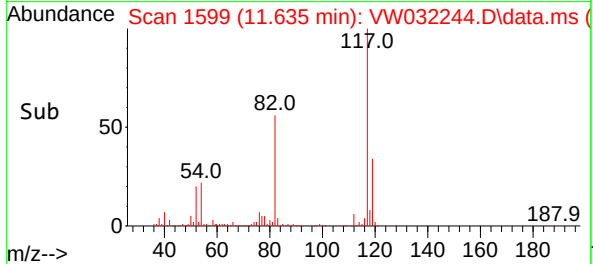
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion:117 Resp: 30637
Ion Ratio Lower Upper
117 100
82 55.6 42.7 64.1
119 33.9 25.2 37.8

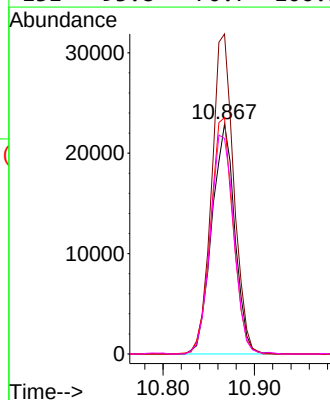
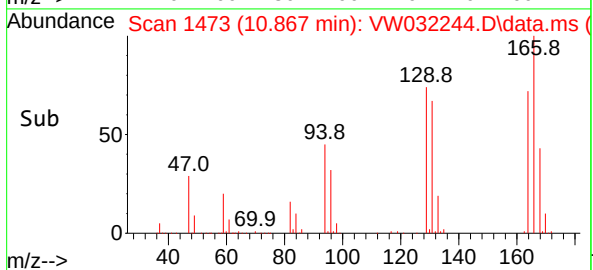
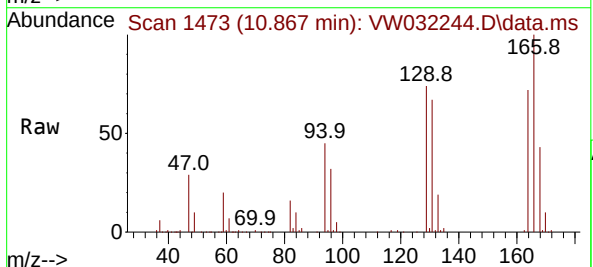
Manual Integrations
APPROVED

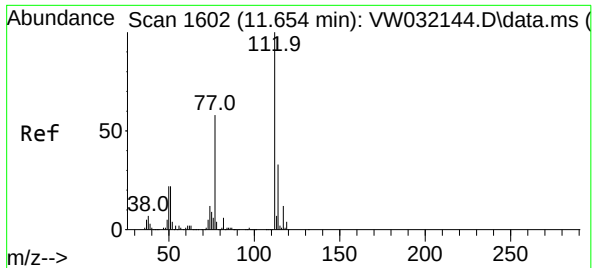
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#64
Tetrachloroethene
Concen: 19.753 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

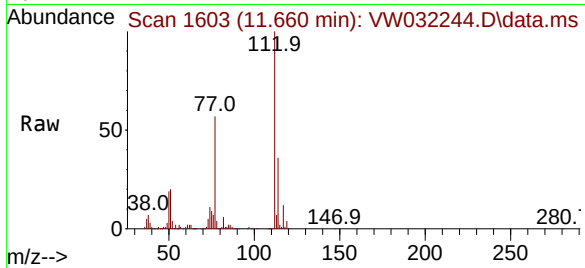
Tgt Ion:164 Resp: 39831
Ion Ratio Lower Upper
164 100
166 139.3 97.5 146.3
129 102.9 71.2 106.8
131 93.8 70.7 106.1





#65
Chlorobenzene
Concen: 20.155 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

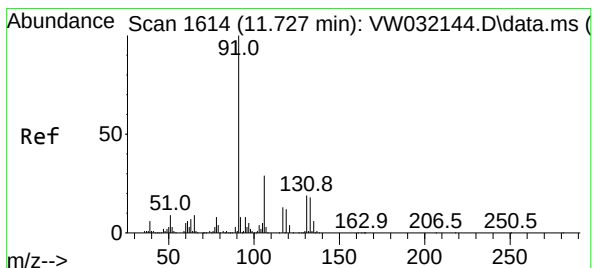
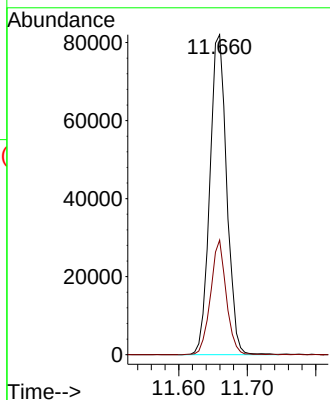
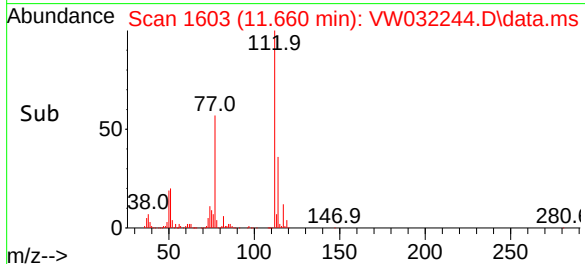
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01



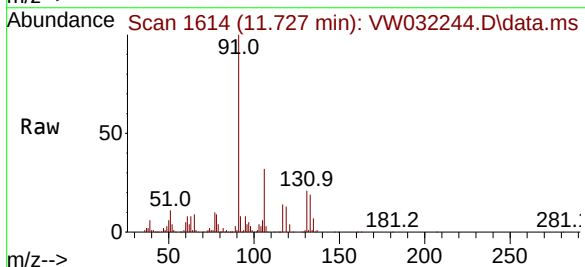
Tgt Ion:112 Resp: 140550
Ion Ratio Lower Upper
112 100
114 35.8 26.0 39.0

Manual Integrations
APPROVED

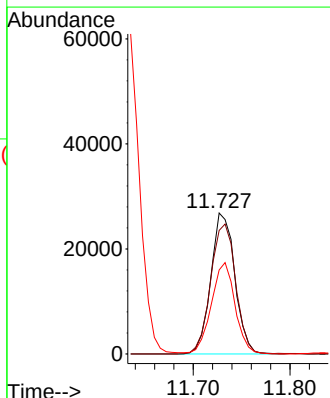
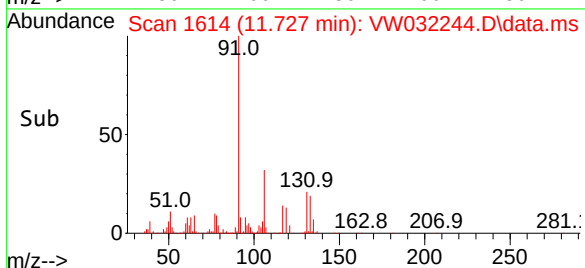
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

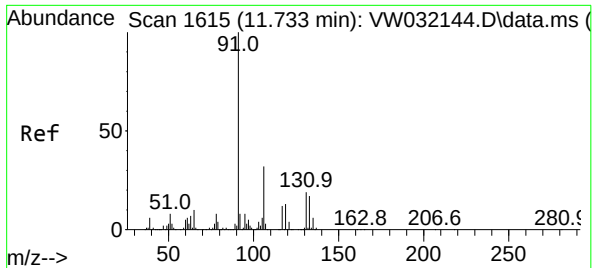


#66
1,1,1,2-Tetrachloroethane
Concen: 20.088 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25



Tgt Ion:131 Resp: 46119
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.3 32.8 98.3





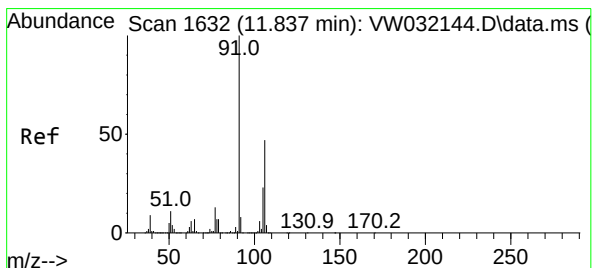
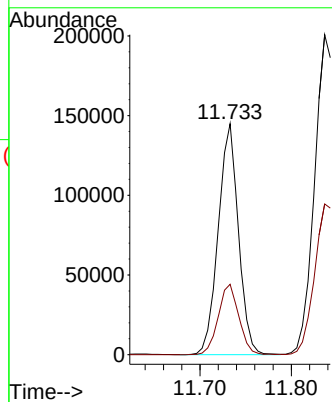
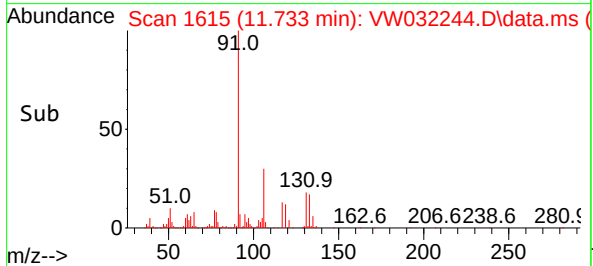
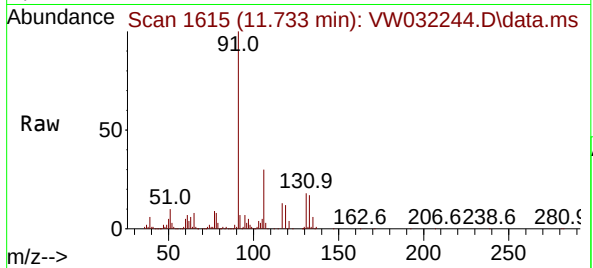
#67
Ethyl Benzene
Concen: 19.463 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 91 Resp: 22237
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9

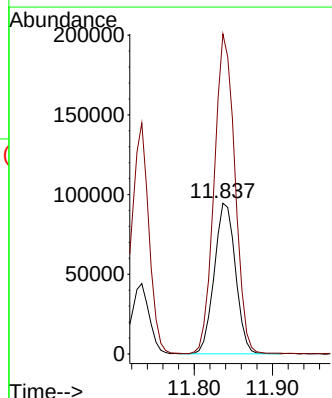
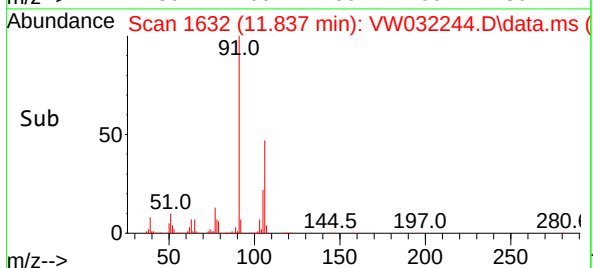
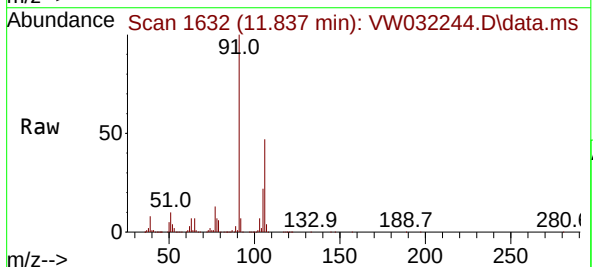
Manual Integrations
APPROVED

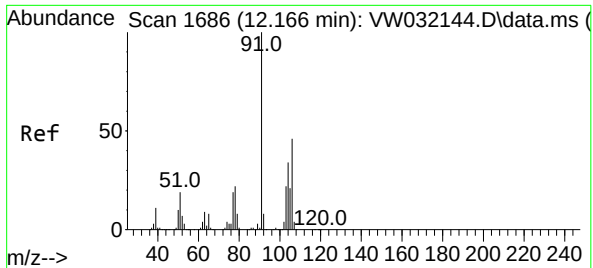
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#68
m/p-Xylenes
Concen: 40.493 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion:106 Resp: 178060
Ion Ratio Lower Upper
106 100
91 207.2 164.2 246.2





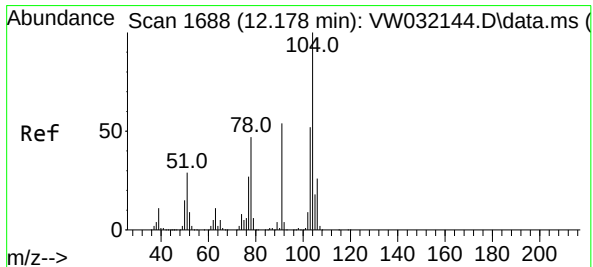
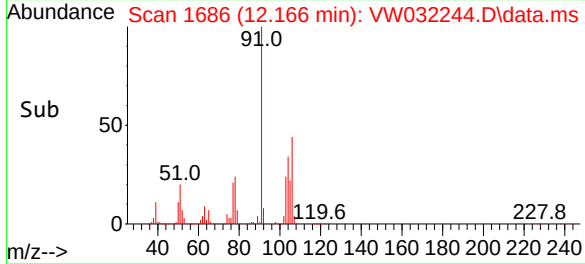
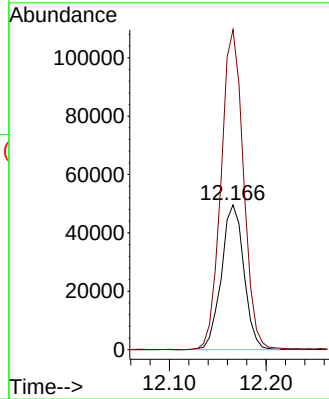
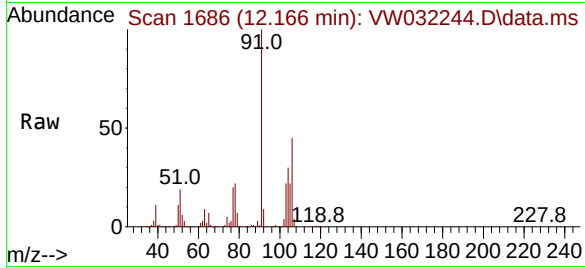
#69
o-Xylene
Concen: 19.274 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion:106 Resp: 8016
Ion Ratio Lower Upper
106 100
91 220.8 108.7 326.3

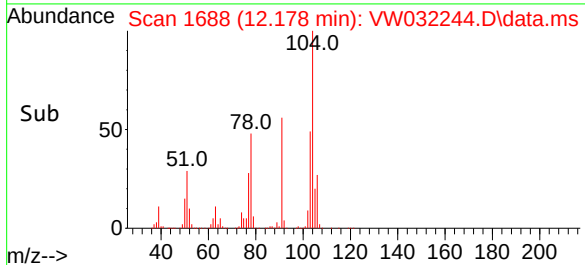
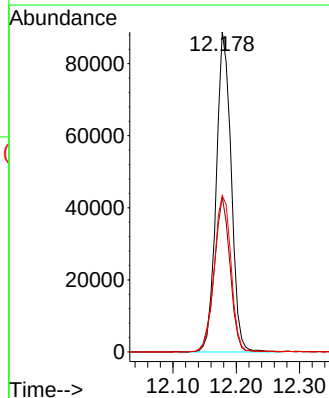
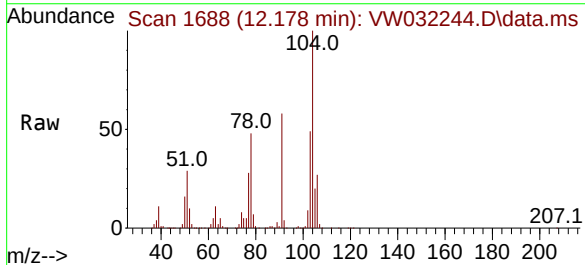
Manual Integrations
APPROVED

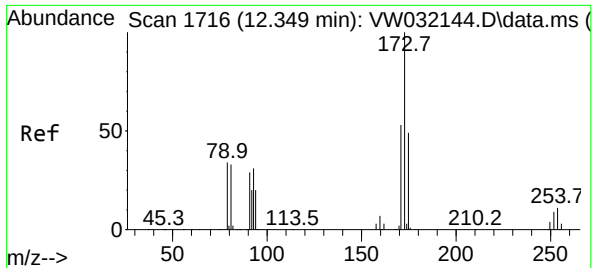
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#70
Styrene
Concen: 19.849 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

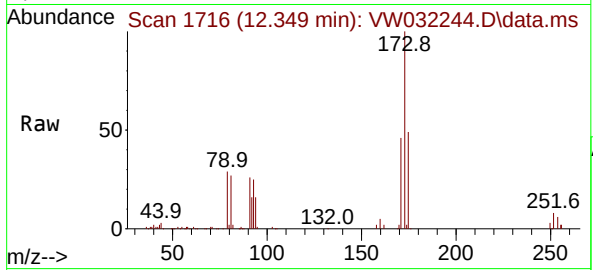
Tgt Ion:104 Resp: 145535
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 54.7 44.8 67.2





#71
Bromoform
Concen: 21.381 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

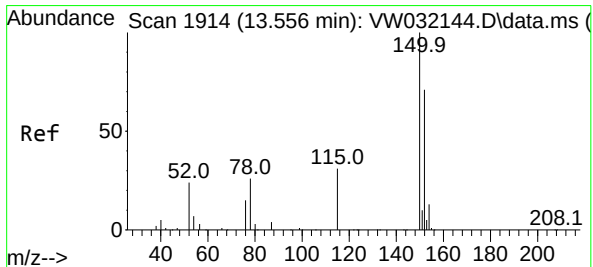
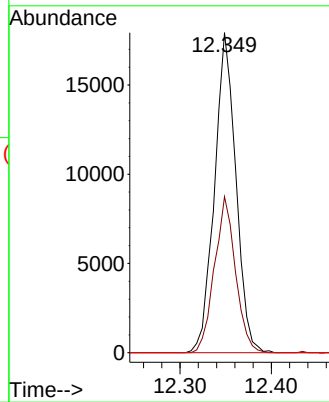
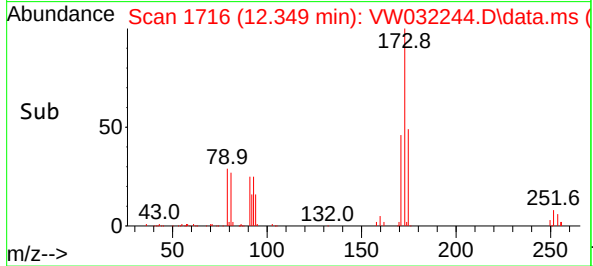
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01



Tgt Ion:173 Resp: 29154
Ion Ratio Lower Upper
173 100
175 48.0 24.9 74.7
254 0.0 0.2 0.2

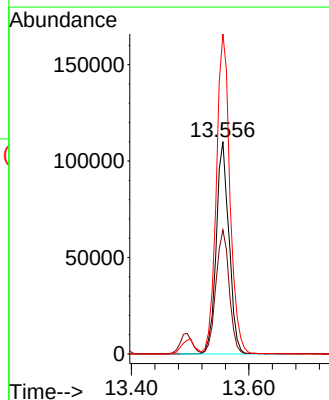
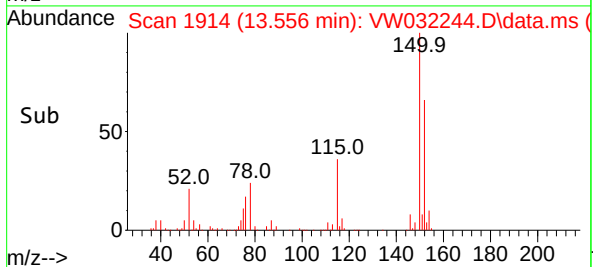
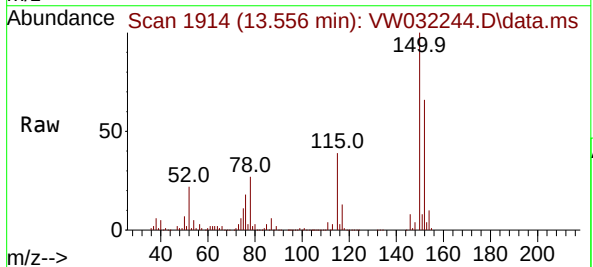
Manual Integrations
APPROVED

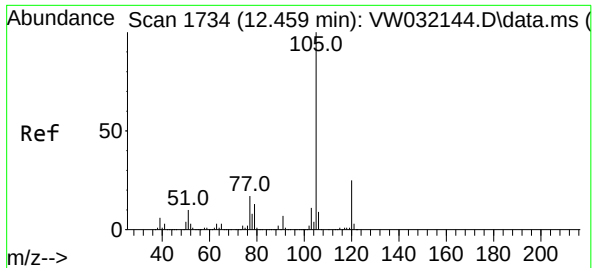
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

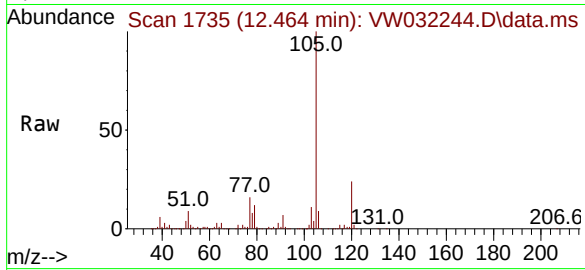
Tgt Ion:152 Resp: 165345
Ion Ratio Lower Upper
152 100
115 61.2 31.8 95.4
150 160.9 0.0 343.0





#73
Isopropylbenzene
Concen: 18.366 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

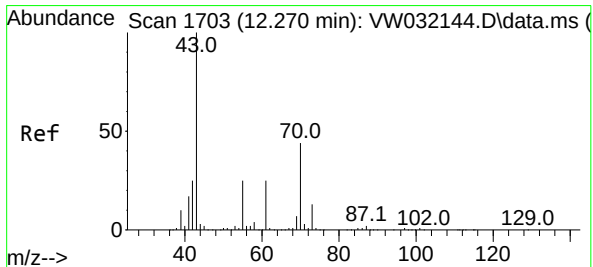
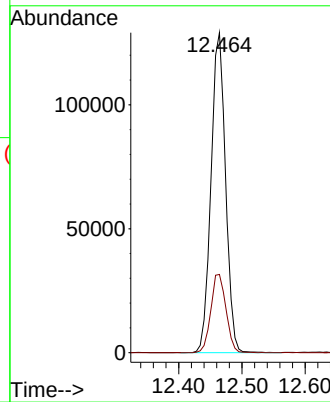
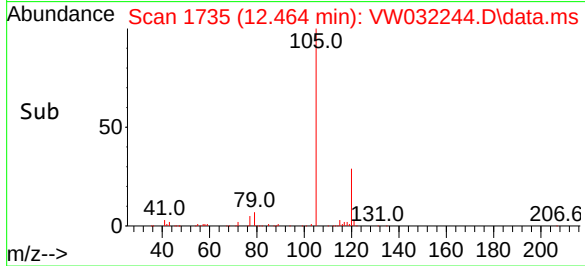
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 105 Resp: 20630
Ion Ratio Lower Upper
105 100
120 25.5 13.0 38.9

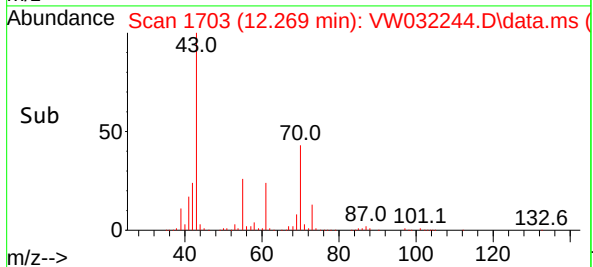
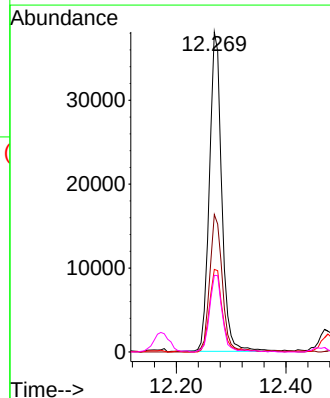
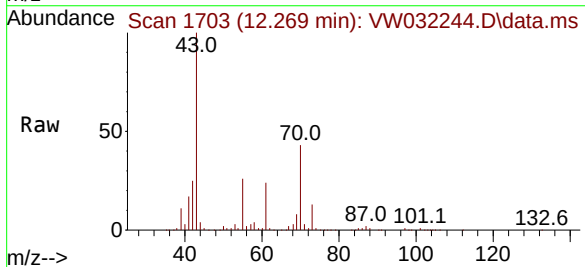
Manual Integrations
APPROVED

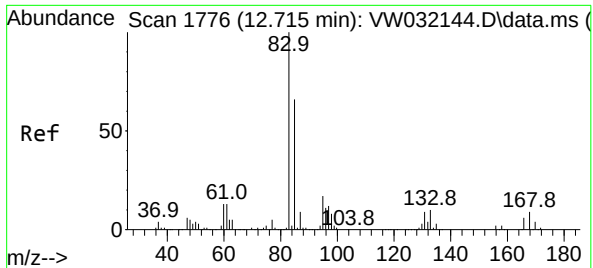
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#74
N-ethyl acetate
Concen: 18.196 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 43 Resp: 59343
Ion Ratio Lower Upper
43 100
70 43.9 35.3 52.9
55 27.5 19.9 29.9
61 24.9 19.6 29.4





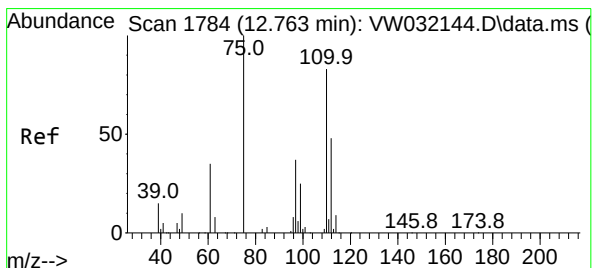
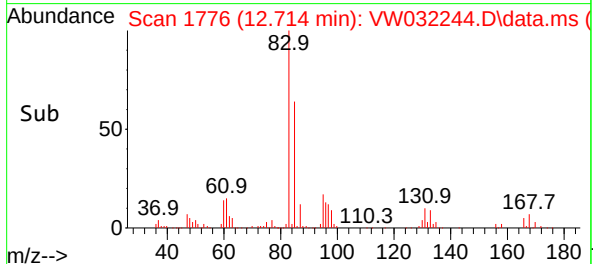
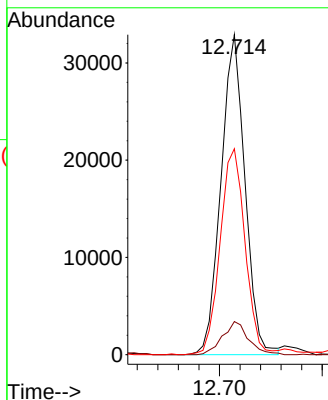
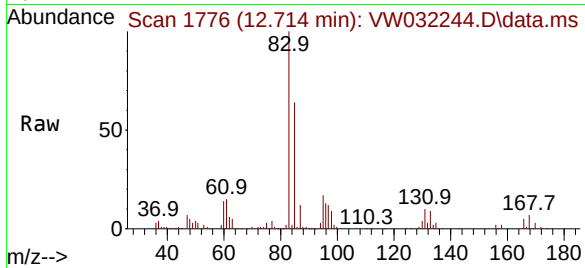
#75
1,1,2,2-Tetrachloroethane
Concen: 19.982 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 83 Resp: 5334
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.4
85 66.4 32.2 96.6

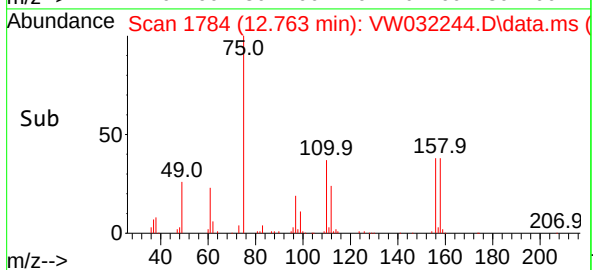
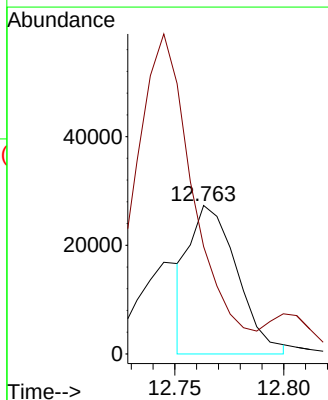
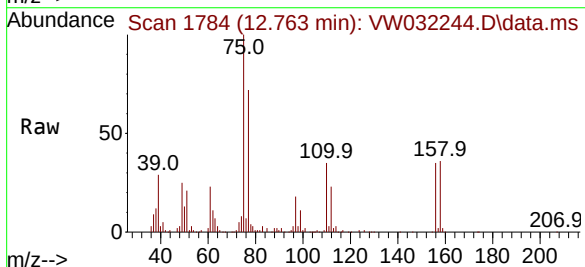
Manual Integrations
APPROVED

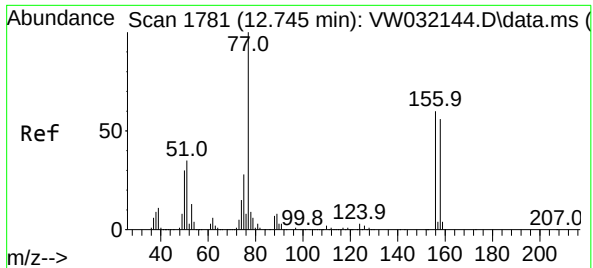
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#76
1,2,3-Trichloropropane
Concen: 19.919 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion: 75 Resp: 41262
Ion Ratio Lower Upper
75 100
77 266.8 141.7 425.1





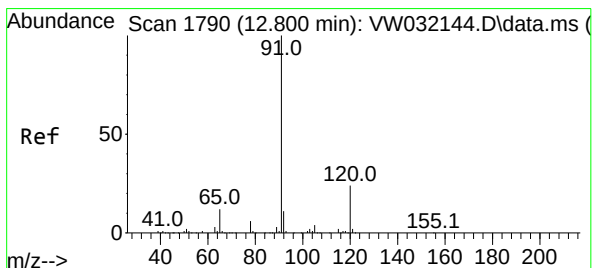
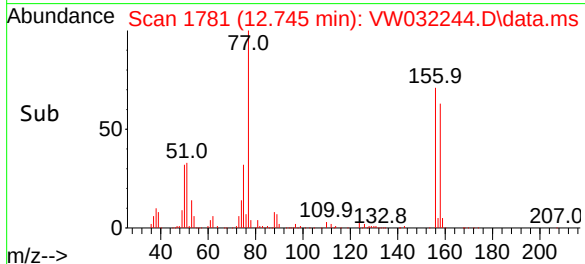
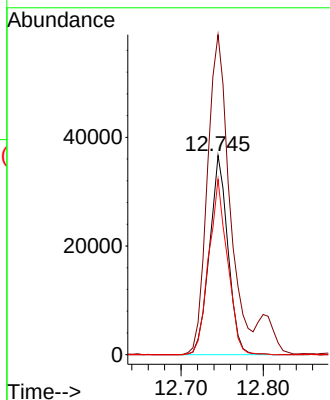
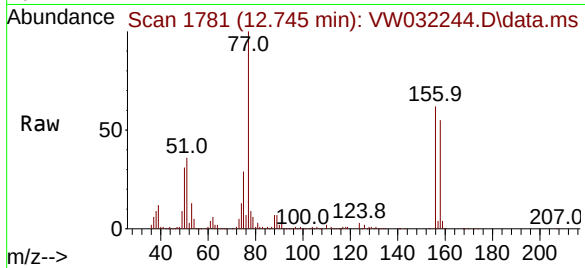
#77
Bromobenzene
Concen: 19.917 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion:	156	Resp:	5705
Ion Ratio	Lower	Upper	
156	100		
77	192.9	98.6	295.7
158	89.5	48.4	145.0

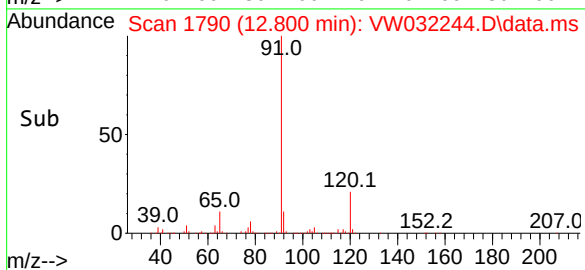
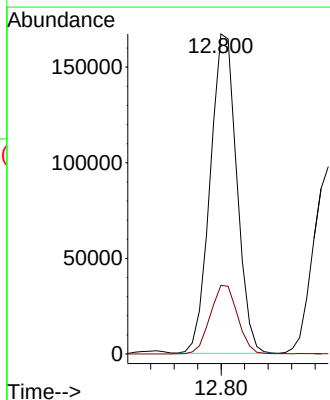
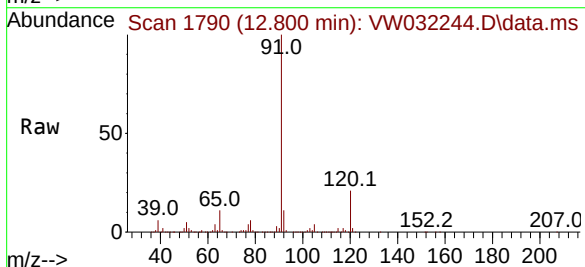
Manual Integrations
APPROVED

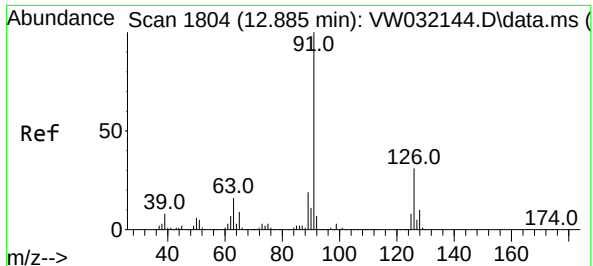
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#78
n-propylbenzene
Concen: 19.258 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion:	91	Resp:	262628
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.728 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 91 Resp: 156179

Ion Ratio Lower Upper

91 100

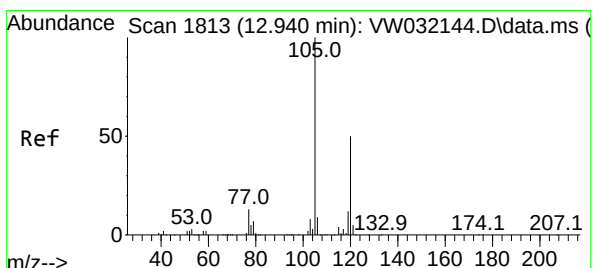
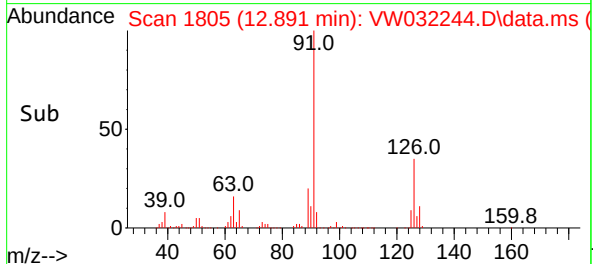
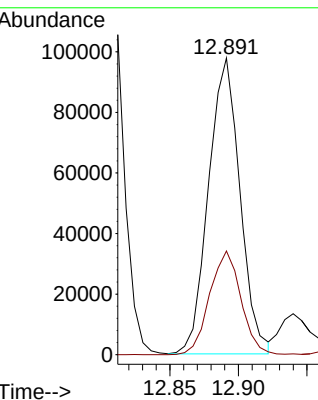
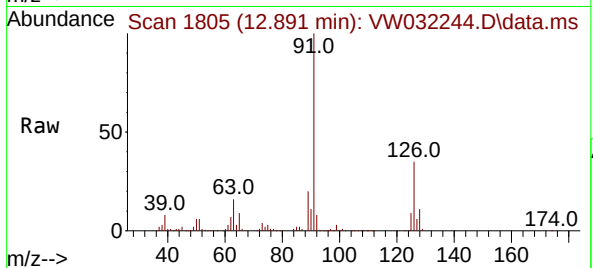
126 34.9 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.961 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032244.D

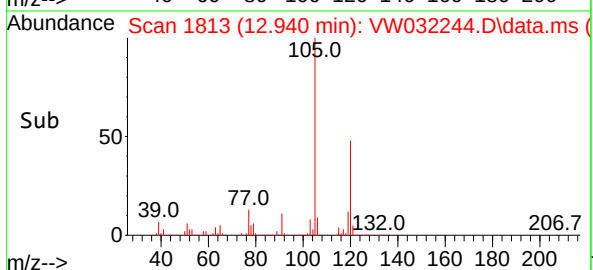
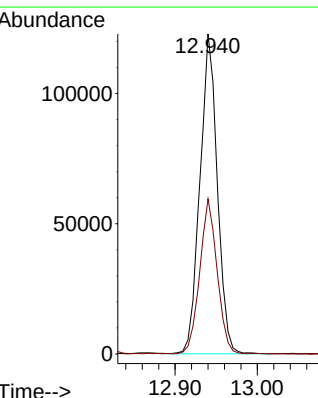
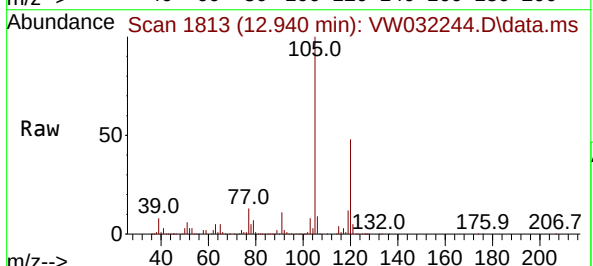
Acq: 24 Sep 2025 15:25

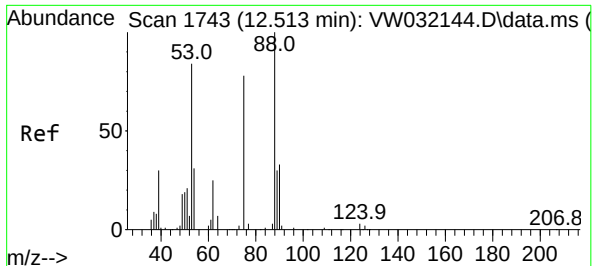
Tgt Ion:105 Resp: 180328

Ion Ratio Lower Upper

105 100

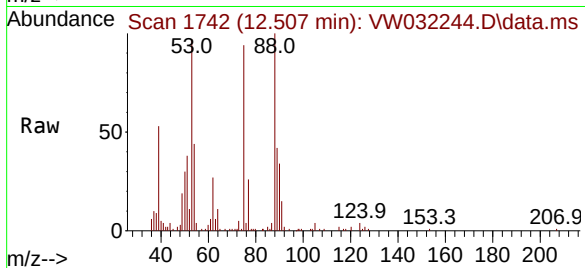
120 48.2 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.002 ug/l
RT: 12.507 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

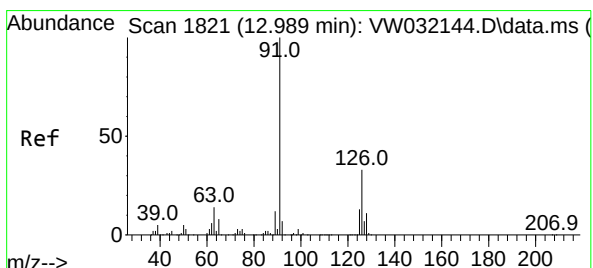
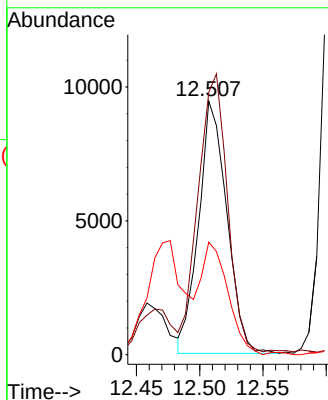
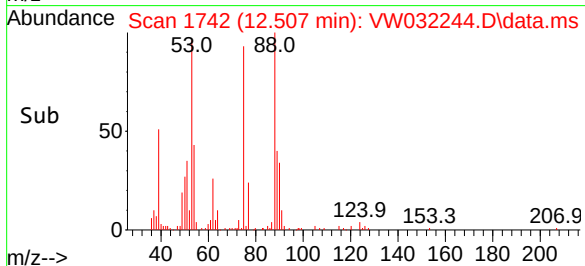
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



Tgt Ion: 75 Resp: 14619
Ion Ratio Lower Upper
75 100
53 115.3 91.0 136.6
89 42.4 39.4 59.2

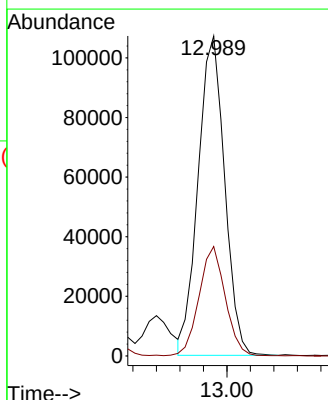
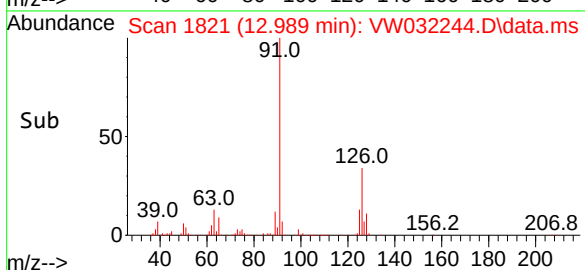
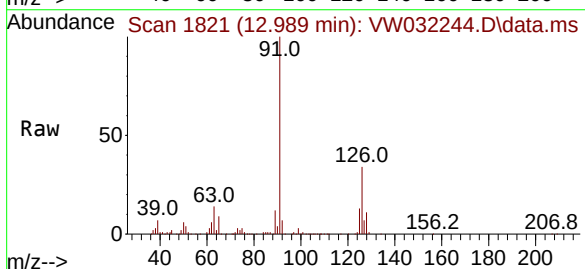
Manual Integrations
APPROVED

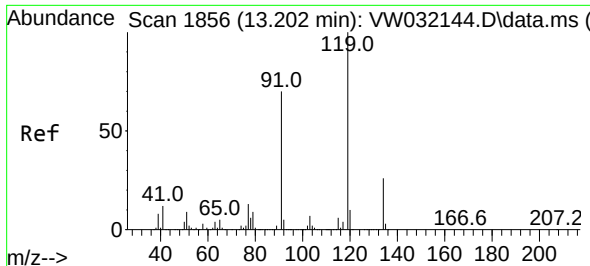
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#82
4-Chlorotoluene
Concen: 18.794 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

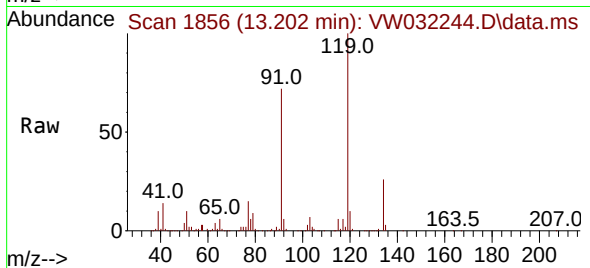
Tgt Ion: 91 Resp: 167767
Ion Ratio Lower Upper
91 100
126 34.0 16.1 48.2





#83
tert-Butylbenzene
Concen: 18.234 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

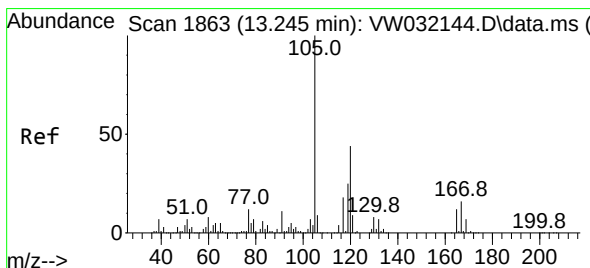
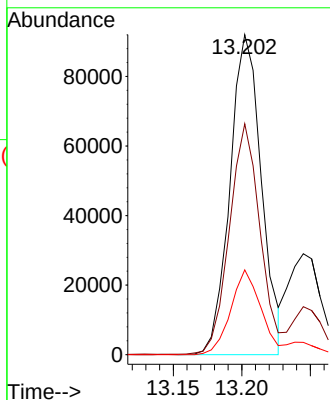
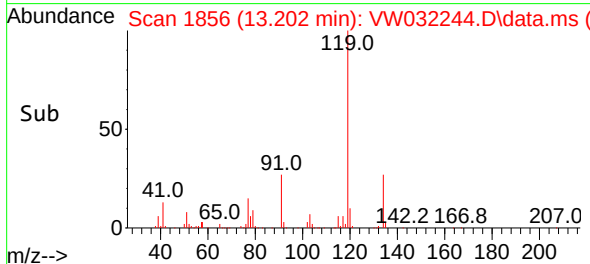
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



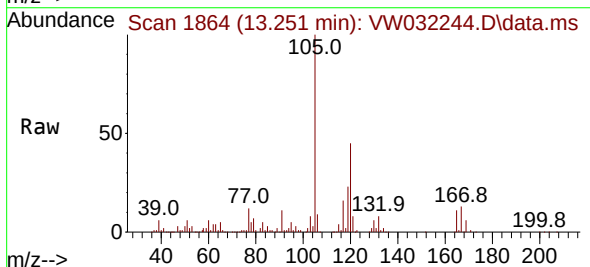
Tgt Ion:119 Resp: 14704
Ion Ratio Lower Upper
119 100
91 71.2 33.8 101.3
134 25.9 12.5 37.5

Manual Integrations
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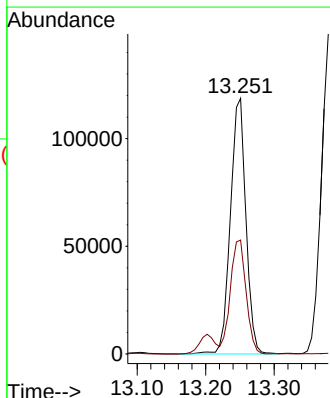
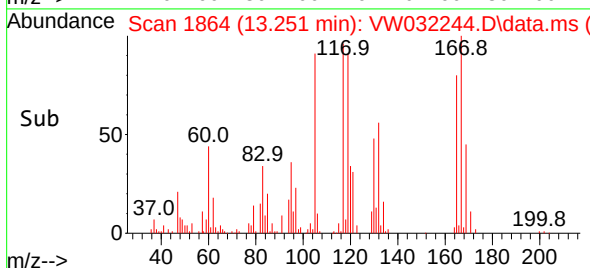
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

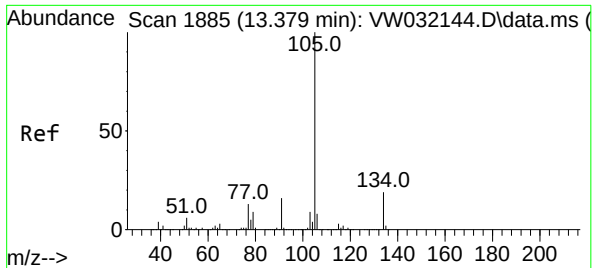


#84
1,2,4-Trimethylbenzene
Concen: 18.968 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25



Tgt Ion:105 Resp: 186632
Ion Ratio Lower Upper
105 100
120 45.3 22.1 66.3





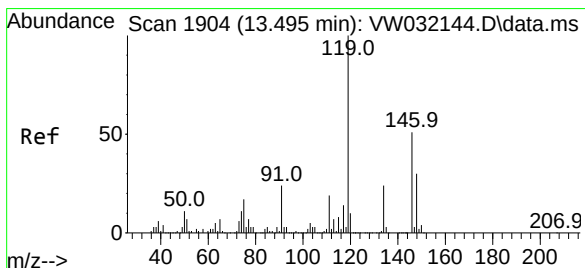
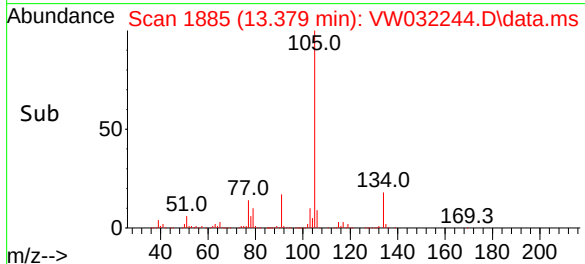
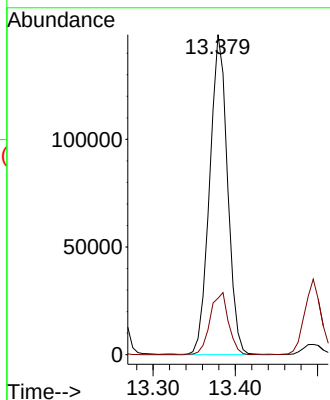
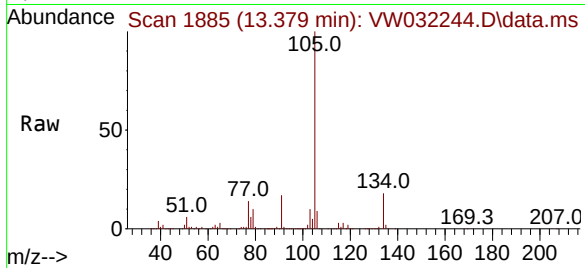
#85
sec-Butylbenzene
Concen: 18.695 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tgt Ion:105 Resp: 225079
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

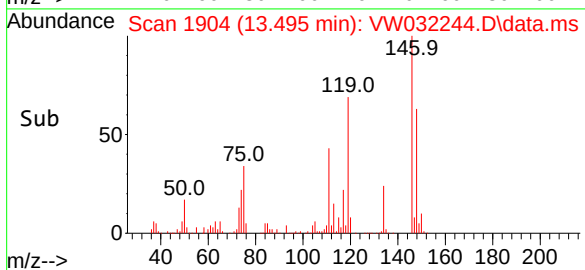
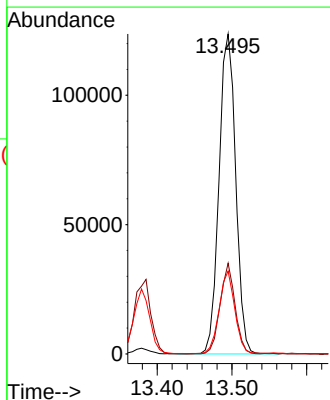
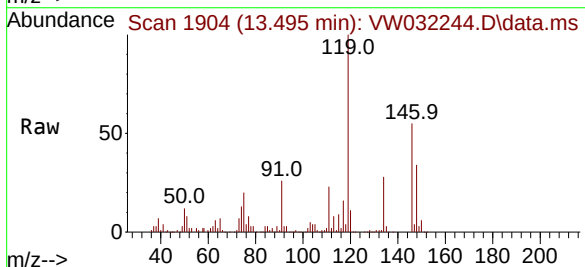
Manual Integrations
APPROVED

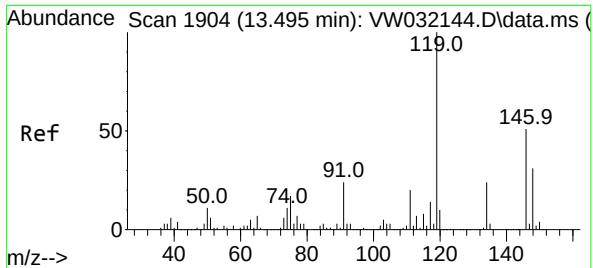
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#86
p-Isopropyltoluene
Concen: 18.796 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

Tgt Ion:119 Resp: 192452
Ion Ratio Lower Upper
119 100
134 25.4 12.6 37.6
91 24.4 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 18.940 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:146 Resp: 109239

Ion Ratio Lower Upper

146 100

111 43.0 20.6 61.9

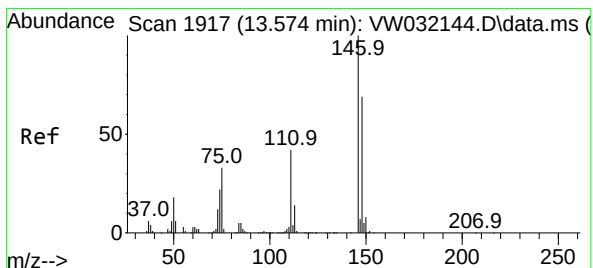
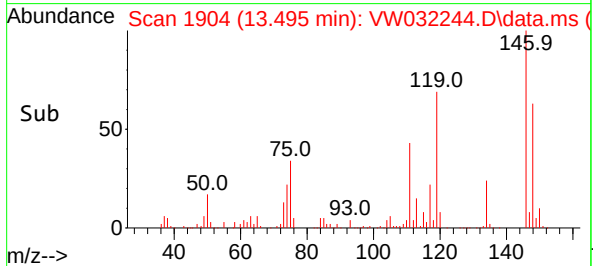
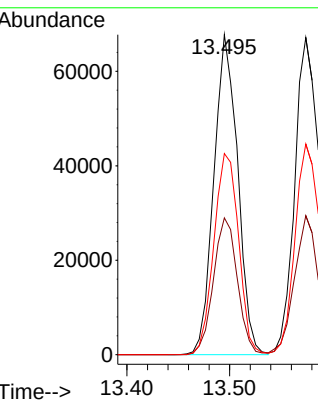
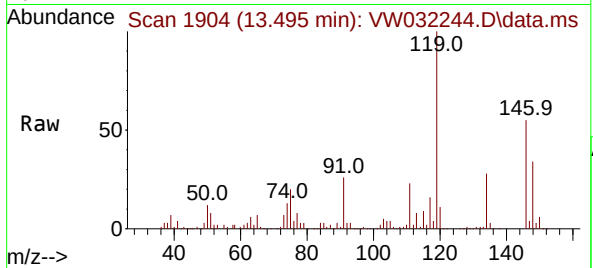
148 65.2 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#88

1,4-Dichlorobenzene

Concen: 18.979 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

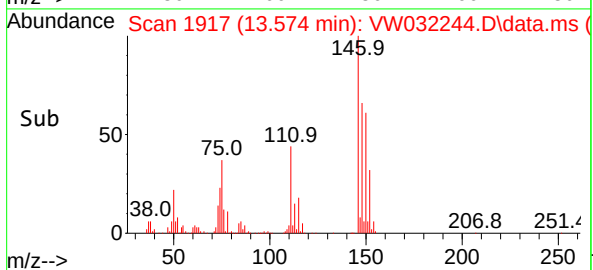
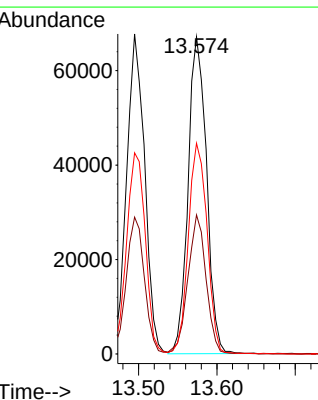
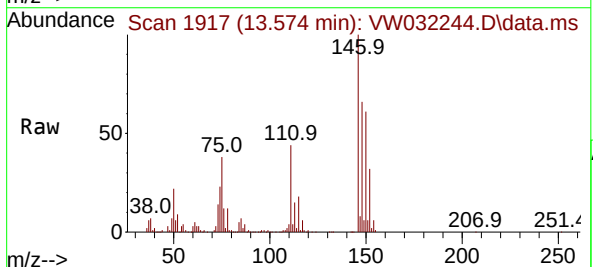
Tgt Ion:146 Resp: 109719

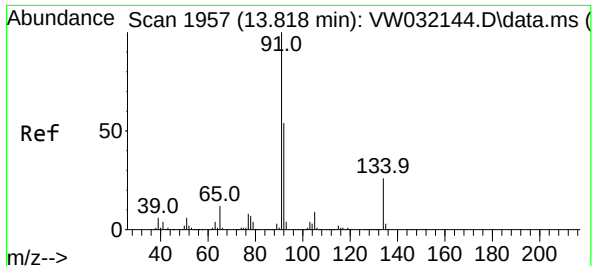
Ion Ratio Lower Upper

146 100

111 43.1 21.3 63.7

148 67.6 33.4 100.1





#89

n-Butylbenzene

Concen: 18.641 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

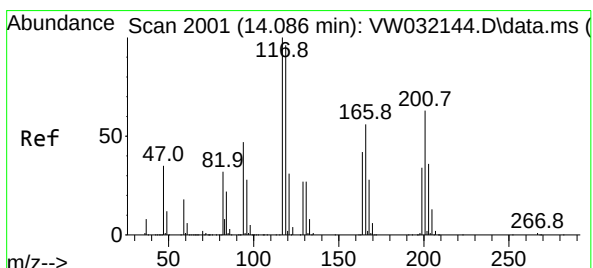
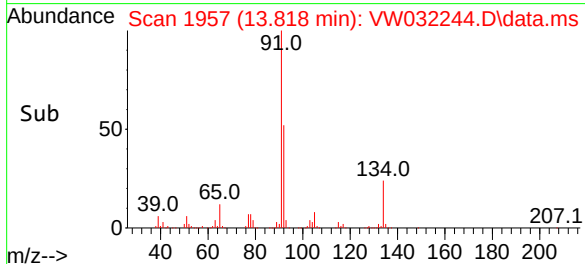
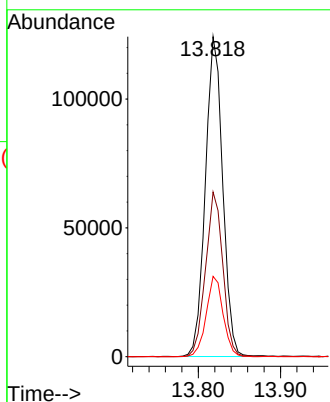
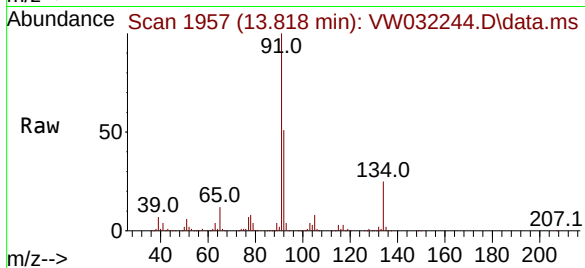
Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:	91	Resp:	18196
Ion Ratio	Lower	Upper	
91	100		
92	51.3	27.0	81.0
134	24.5	13.1	39.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#90

Hexachloroethane

Concen: 19.027 ug/l

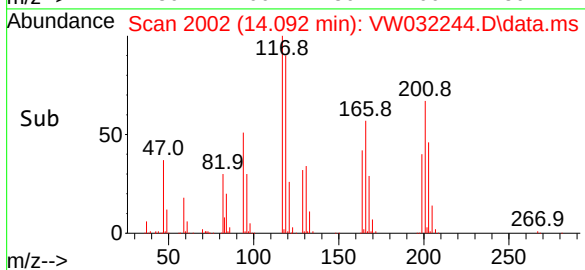
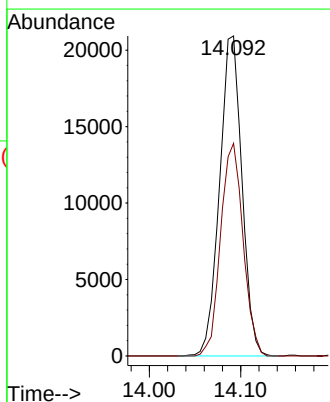
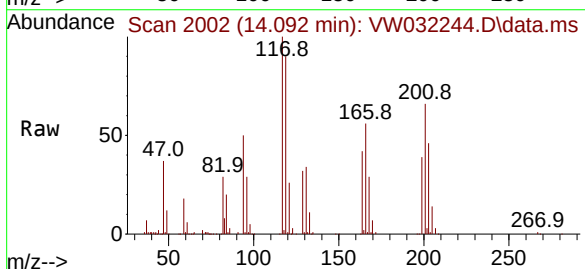
RT: 14.092 min Scan# 2002

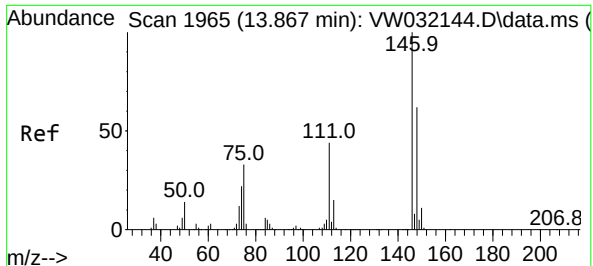
Delta R.T. 0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Tgt Ion:	117	Resp:	35633
Ion Ratio	Lower	Upper	
117	100		
201	66.7	32.8	98.4





#91

1,2-Dichlorobenzene

Concen: 21.078 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion:146 Resp: 10763

Ion Ratio Lower Upper

146 100

111 41.3 23.4 70.0

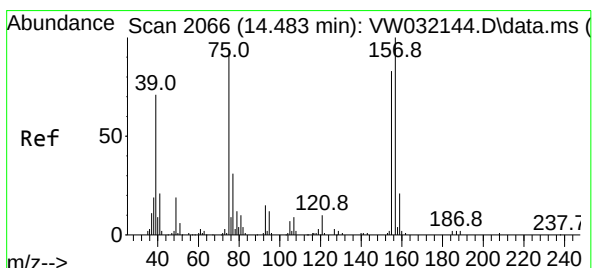
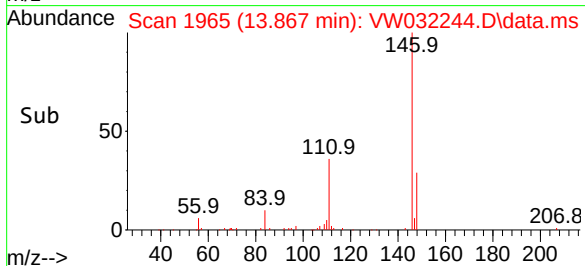
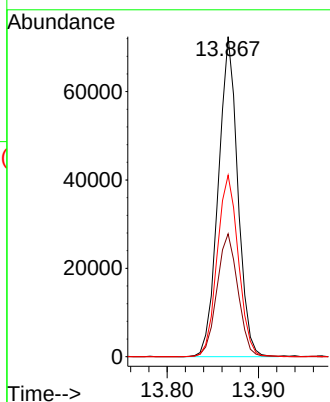
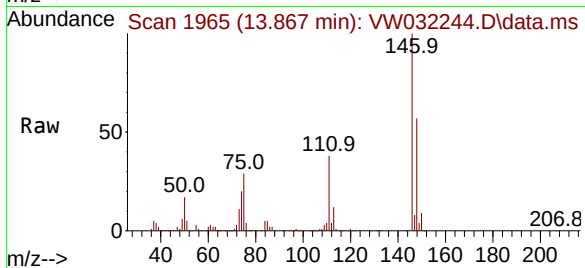
148 61.4 34.1 102.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.661 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

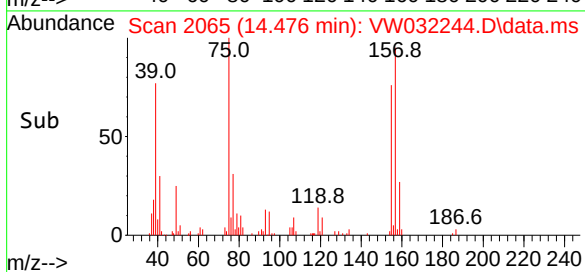
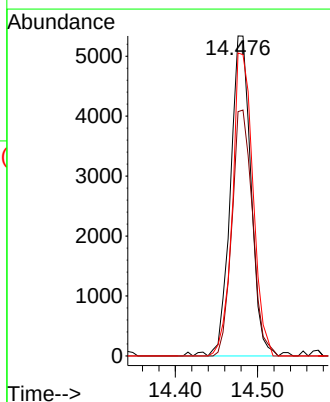
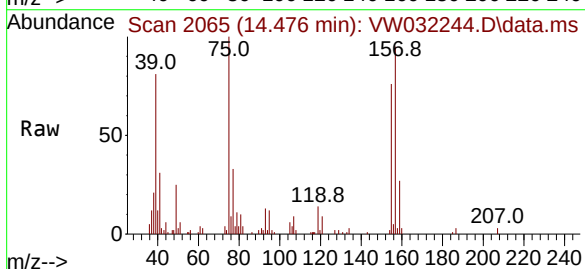
Tgt Ion: 75 Resp: 9272

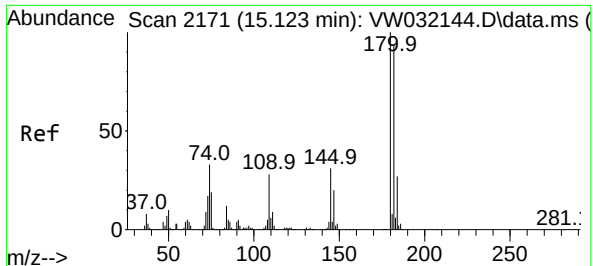
Ion Ratio Lower Upper

75 100

155 77.1 40.8 122.5

157 94.8 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 18.997 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

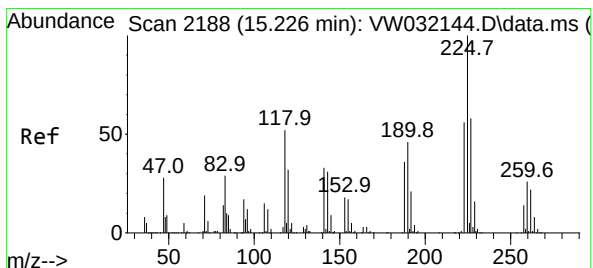
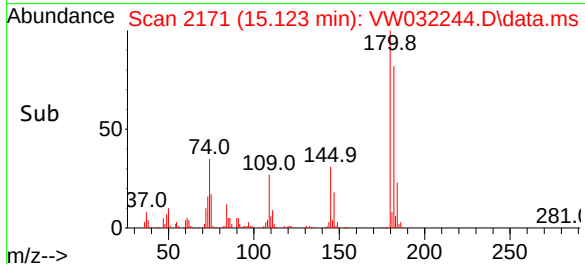
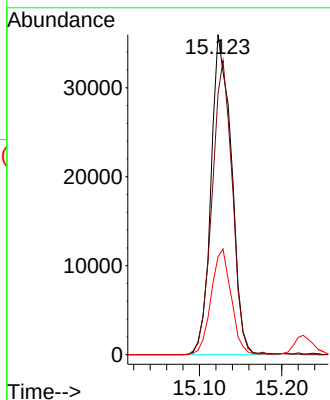
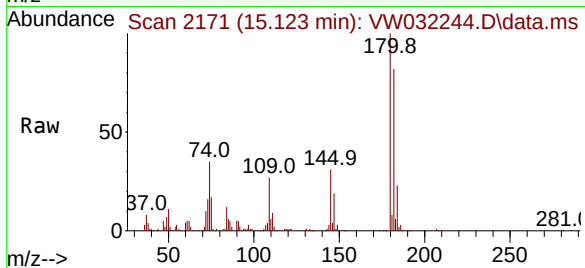
VW0924SBS01

Tgt Ion:180	Resp: 61979
Ion Ratio	Lower Upper
180 100	
182 91.1	47.4 142.2
145 32.5	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#94

Hexachlorobutadiene

Concen: 16.886 ug/l

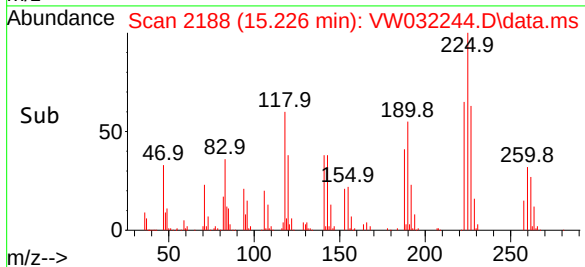
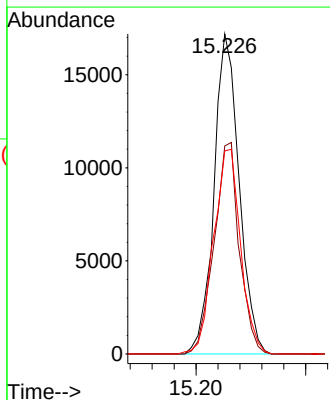
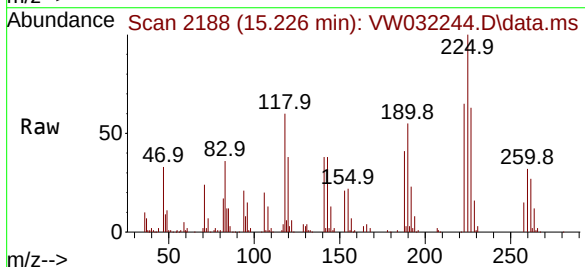
RT: 15.226 min Scan# 2188

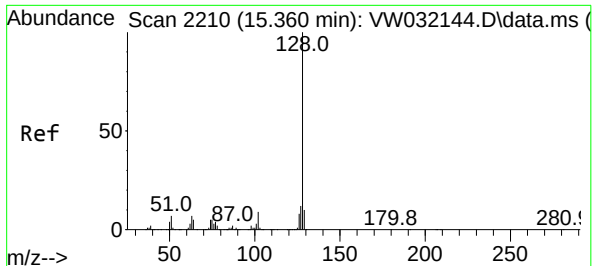
Delta R.T. -0.000 min

Lab File: VW032244.D

Acq: 24 Sep 2025 15:25

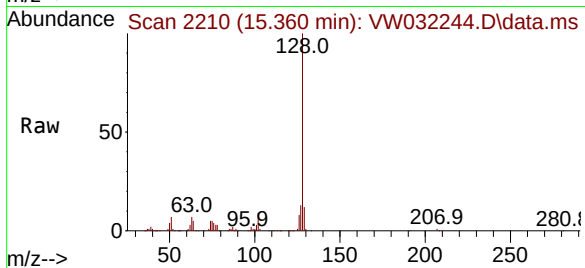
Tgt Ion:225	Resp: 27323
Ion Ratio	Lower Upper
225 100	
223 66.3	29.8 89.3
227 68.8	30.5 91.5





#95
Naphthalene
Concen: 18.648 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25

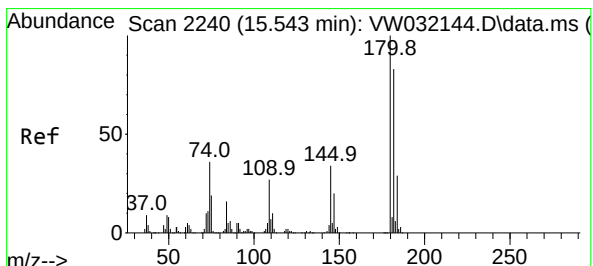
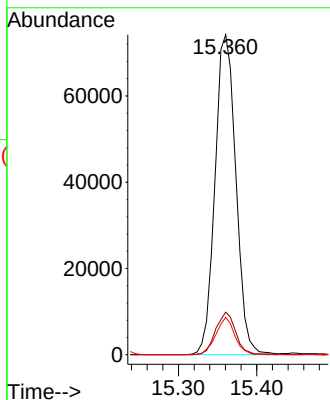
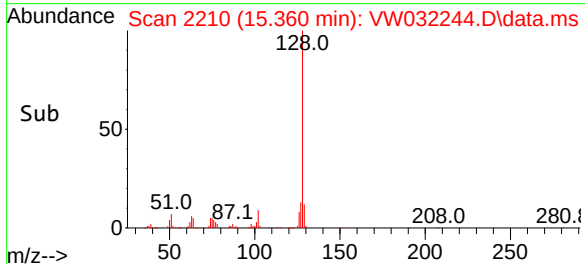
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01



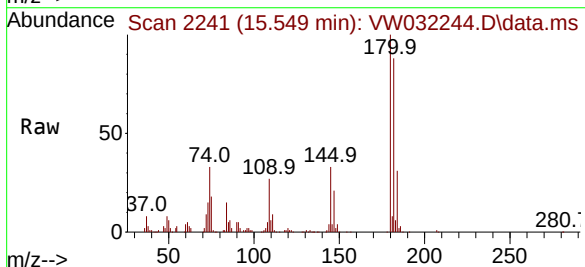
Tgt Ion:128 Resp: 13769
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.6 8.4 12.6

Manual Integrations
APPROVED

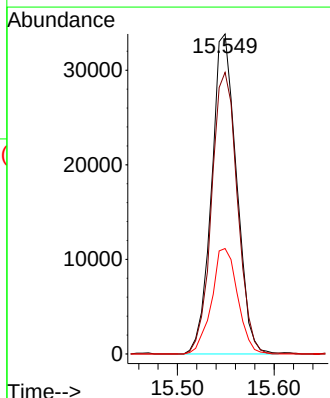
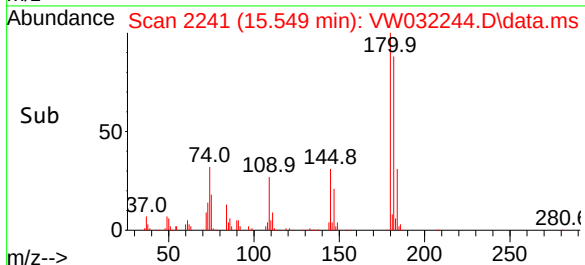
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.949 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032244.D
Acq: 24 Sep 2025 15:25



Tgt Ion:180 Resp: 60527
Ion Ratio Lower Upper
180 100
182 91.1 47.7 143.1
145 34.4 17.2 51.6



Manual Integration Report

Sequence:	VW082625	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032137.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:27 PM	Sam	8/27/2025 3:13:45 PM	Peak Integrated by Software
VSTDICC010	VW032138.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:28 PM	Sam	8/27/2025 3:13:47 PM	Peak Integrated by Software
VSTDICC020	VW032139.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:30 PM	Sam	8/27/2025 3:15:39 PM	Peak Integrated by Software
VSTDICC100	VW032141.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:34 PM	Sam	8/27/2025 3:15:43 PM	Peak Integrated by Software
VSTDICC150	VW032142.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:36 PM	Sam	8/27/2025 3:15:44 PM	Peak Integrated by Software
VSTDICCC050	VW032144.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:38 PM	Sam	8/27/2025 3:15:46 PM	Peak Integrated by Software
VSTDICV050	VW032146.D	1,2,3-Trichloropropane	MMDadoda	8/27/2025 3:10:39 PM	Sam	8/27/2025 3:15:47 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VW092425	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032241.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:46:22 AM	SAM	9/26/2025 2:03:56 AM	Peak Integrated by Software
VW0924SBS01	VW032243.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:46:24 AM	SAM	9/26/2025 2:03:57 AM	Peak Integrated by Software
VW0924SBSD01	VW032244.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:46:25 AM	SAM	9/26/2025 2:03:59 AM	Peak Integrated by Software
VSTDCCC050	VW032256.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:46:26 AM	SAM	9/26/2025 2:04:01 AM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW082625

Review By	Semsettin Yesilyurt	Review On	8/27/2025 3:17:38 PM		
Supervise By	Maresh Dadoda	Supervise On	8/27/2025 3:19:36 PM		
SubDirectory	VW082625	HP Acquire Method	MSVOA_W	HP Processing Method	82w082625s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP135292				
Initial Calibration Stds	VP135293,VP135294,VP135295,VP135296,VP135297,VP135298				
CCC					
Internal Standard/PEM	VP133934				
ICV/I.BLK	VP135299				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032136.D	26 Aug 2025 08:38	SY/MD	Ok
2	VSTDIC005	VW032137.D	26 Aug 2025 09:39	SY/MD	Ok,M
3	VSTDIC010	VW032138.D	26 Aug 2025 10:23	SY/MD	Ok,M
4	VSTDIC020	VW032139.D	26 Aug 2025 10:45	SY/MD	Ok,M
5	VSTDIC050	VW032140.D	26 Aug 2025 11:07	SY/MD	Not Ok
6	VSTDIC100	VW032141.D	26 Aug 2025 11:29	SY/MD	Ok,M
7	VSTDIC150	VW032142.D	26 Aug 2025 11:51	SY/MD	Ok,M
8	VIBLK	VW032143.D	26 Aug 2025 12:12	SY/MD	Ok
9	VSTDIC050	VW032144.D	26 Aug 2025 12:34	SY/MD	Ok,M
10	VIBLK	VW032145.D	26 Aug 2025 13:02	SY/MD	Ok
11	VSTDICV050	VW032146.D	26 Aug 2025 13:55	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:46:35 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:04:10 AM		
SubDirectory	VW092425	HP Acquire Method	MSVOA_W	HP Processing Method	82w082625s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135625			
CCC		VP135626,VP135627			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032240.D	24 Sep 2025 12:29	SY/MD	Ok
2	VSTDCCC050	VW032241.D	24 Sep 2025 12:59	SY/MD	Ok,M
3	VW0924SBL01	VW032242.D	24 Sep 2025 14:37	SY/MD	Ok
4	VW0924SBS01	VW032243.D	24 Sep 2025 15:03	SY/MD	Ok,M
5	VW0924SBSD01	VW032244.D	24 Sep 2025 15:25	SY/MD	Ok,M
6	Q3176-01	VW032245.D	24 Sep 2025 15:46	SY/MD	Ok
7	Q3176-02	VW032246.D	24 Sep 2025 16:08	SY/MD	Ok
8	Q3176-03	VW032247.D	24 Sep 2025 16:30	SY/MD	Ok
9	Q3178-01	VW032248.D	24 Sep 2025 16:52	SY/MD	Ok
10	Q3178-02	VW032249.D	24 Sep 2025 17:14	SY/MD	Not Ok
11	Q3178-03	VW032250.D	24 Sep 2025 17:35	SY/MD	Not Ok
12	Q3183-03	VW032251.D	24 Sep 2025 17:57	SY/MD	Ok
13	Q3183-06	VW032252.D	24 Sep 2025 18:19	SY/MD	Ok
14	Q3183-09	VW032253.D	24 Sep 2025 18:41	SY/MD	Ok
15	Q3168-03	VW032254.D	24 Sep 2025 19:02	SY/MD	ReRun
16	VIBLK	VW032255.D	24 Sep 2025 19:24	SY/MD	Ok
17	VSTDCCC050	VW032256.D	24 Sep 2025 19:46	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW082625

Review By	Semsettin Yesilyurt	Review On	8/27/2025 3:17:38 PM
Supervise By	Mahesh Dadoda	Supervise On	8/27/2025 3:19:36 PM
SubDirectory	VW082625	HP Acquire Method	MSVOA_W
		HP Processing Method	82w082625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135292
Initial Calibration Stds	VP135293,VP135294,VP135295,VP135296,VP135297,VP135298
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032136.D	26 Aug 2025 08:38		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VW032137.D	26 Aug 2025 09:39		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VW032138.D	26 Aug 2025 10:23	QR-20	SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VW032139.D	26 Aug 2025 10:45		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032140.D	26 Aug 2025 11:07	Not used	SY/MD	Not Ok
6	VSTDIC100	VSTDIC100	VW032141.D	26 Aug 2025 11:29		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VW032142.D	26 Aug 2025 11:51		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032143.D	26 Aug 2025 12:12		SY/MD	Ok
9	VSTDICCC050	VSTDICCC050	VW032144.D	26 Aug 2025 12:34		SY/MD	Ok,M
10	VIBLK	VIBLK	VW032145.D	26 Aug 2025 13:02		SY/MD	Ok
11	VSTDICV050	ICVVW082625	VW032146.D	26 Aug 2025 13:55		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW092425

Review By	Maresh Dadoda	Review On	9/26/2025 1:46:35 AM
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:04:10 AM
SubDirectory	VW092425	HP Acquire Method	MSVOA_W HP Processing Method 82w082625s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135625
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135626,VP135627 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032240.D	24 Sep 2025 12:29		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032241.D	24 Sep 2025 12:59		SY/MD	Ok,M
3	VW0924SBL01	VW0924SBL01	VW032242.D	24 Sep 2025 14:37		SY/MD	Ok
4	VW0924SBS01	VW0924SBS01	VW032243.D	24 Sep 2025 15:03		SY/MD	Ok,M
5	VW0924SBSD01	VW0924SBSD01	VW032244.D	24 Sep 2025 15:25		SY/MD	Ok,M
6	Q3176-01	EME-TS12-01	VW032245.D	24 Sep 2025 15:46	vial-A	SY/MD	Ok
7	Q3176-02	EME-TS13-01	VW032246.D	24 Sep 2025 16:08	vial-A	SY/MD	Ok
8	Q3176-03	EME-TS14-02	VW032247.D	24 Sep 2025 16:30	vial-A	SY/MD	Ok
9	Q3178-01	EME-TS14-01	VW032248.D	24 Sep 2025 16:52	vial-A	SY/MD	Ok
10	Q3178-02	EME-TS14-01MS	VW032249.D	24 Sep 2025 17:14	vial-A Matrix not spiked	SY/MD	Not Ok
11	Q3178-03	EME-TS14-01MSD	VW032250.D	24 Sep 2025 17:35	vial-A Matrix not spiked	SY/MD	Not Ok
12	Q3183-03	WC-1-VOC	VW032251.D	24 Sep 2025 17:57	vial-A	SY/MD	Ok
13	Q3183-06	WC-4-VOC	VW032252.D	24 Sep 2025 18:19	vial-A	SY/MD	Ok
14	Q3183-09	WC-3-VOC	VW032253.D	24 Sep 2025 18:41	vial-A	SY/MD	Ok
15	Q3168-03	ARS20-0010-Oily Soil-S	VW032254.D	24 Sep 2025 19:02	vial-A Internal Standard Fail	SY/MD	ReRun
16	VIBLK	VIBLK	VW032255.D	24 Sep 2025 19:24		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VW032256.D	24 Sep 2025 19:46		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3170-01	MOD-25-0271	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3170-02	MOD-25-0271	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3176-01	EME-TS12-01	3	1.15	10.61	11.76	8.16	66.1	
Q3176-02	EME-TS13-01	4	1.18	10.37	11.55	8.27	68.4	
Q3176-03	EME-TS14-02	5	1.13	10.35	11.48	8.37	70.0	
Q3178-01	EME-TS14-01	6	1.13	10.74	11.87	8.8	71.4	
Q3178-02	EME-TS14-01MS	7	1.13	10.74	11.87	8.8	71.4	
Q3178-03	EME-TS14-01MSD	8	1.13	10.74	11.87	8.8	71.4	
Q3183-01	WC-1	9	1.18	10.41	11.59	10.09	85.6	
Q3183-02	WC-1-EPH	10	1.19	10.43	11.62	10.19	86.3	
Q3183-03	WC-1-VOC	11	1.13	10.60	11.73	10.55	88.9	
Q3183-04	WC-4	12	1.19	10.56	11.75	10.6	89.1	
Q3183-05	WC-4-EPH	13	1.19	10.49	11.68	9.77	81.8	
Q3183-06	WC-4-VOC	14	1.18	10.63	11.81	10.42	86.9	
Q3183-07	WC-3	15	1.13	10.42	11.55	9.8	83.2	
Q3183-08	WC-3-EPH	16	1.13	10.49	11.62	9.79	82.6	
Q3183-09	WC-3-VOC	17	1.19	10.55	11.74	10.96	92.6	
Q3185-01	Y2404-0048-1-1	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-02	Y2404-0048-1-2	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-03	KMH392P-1-1	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-04	KMH392P-1-2	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-05	EFB430R-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-06	EFB430R-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-07	4125-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-08	4125-B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-09	4125-C	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-10	4125-D	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-11	4125-E	28	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3185-12	4126-A	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-13	4126-B	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-14	4126-C	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-15	4126-D	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-16	4126-E	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-01	Y2404-0043-1-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-02	Y2404-0043-1-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-03	KMA695Y-1-1	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-04	KMA695Y-1-2	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3187-01	228	38	1.19	10.67	11.86	10.96	91.6	
Q3187-02	228-E2	39	1.14	10.49	11.63	10.32	87.5	
Q3188-01	4135	40	1.00	1.00	2.00	2.00	100.0	debris
Q3188-02	RB22120	41	1.18	10.32	11.5	10.88	94.0	
Q3188-03	RB22120	42	1.16	10.60	11.76	10.92	92.1	
Q3189-01	72-11989	43	1.15	10.84	11.99	11.33	93.9	
Q3189-02	72-11989-E2	44	1.11	10.67	11.78	11.44	96.8	
Q3191-01	459	45	1.00	1.00	2.00	2.00	100.0	oil sample
Q3192-01	RB104	46	1.15	10.91	12.06	11.49	94.8	
Q3192-02	RB105	47	1.13	10.80	11.93	11.26	93.8	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137296

WorkList Name : %1-092425

WorkList ID : 192050

Department : Wet-Chemistry

Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3170-01	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3170-02	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3176-01	EME-TS12-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-02	EME-TS13-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-03	EME-TS14-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3178-01	EME-TS14-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-02	EME-TS14-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-03	EME-TS14-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3183-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-05	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-06	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-07	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-08	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-09	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3185-01	Y2404-0048-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-02	Y2404-0048-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-03	KMH392P-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-04	KMH392P-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:25

Raw Sample Received by: SP awg

Raw Sample Relinquished by: ch

Date/Time 09/24/25 17:13

Raw Sample Received by: SP awg

Raw Sample Relinquished by: SP awg

WORKLIST(Hardcopy Internal Chain)

VP137296

WorkList Name : %1-092425 WorkList ID : 192050 Department : Wet-Chemistry Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3185-05	EFB430R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-06	EFB430R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-07	4125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-08	4125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-09	4125-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-10	4125-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-11	4125-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-12	4126-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-13	4126-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-14	4126-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-15	4126-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-16	4126-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3186-01	Y2404-0043-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-02	Y2404-0043-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-03	KMA695Y-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-04	KMA695Y-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3187-01	228	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3187-02	228-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3188-01	4135	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-02	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-03	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15125

Raw Sample Received by: SPWY

Raw Sample Relinquished by: CFS

Date/Time 09/24/25 17135

Raw Sample Received by: CFS

Raw Sample Relinquished by: CFS

✓ 137296

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-092425 WorkList ID : 192050 Department : Wet-Chemistry Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3189-01	72-11989	Solid	Percent Solids	Cool 4 deg C	PSEG03		09/24/2025	Chemtech -SO
Q3189-02	72-11989-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I63	09/24/2025	Chemtech -SO
Q3191-01	459	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/25/2025	Chemtech -SO
Q3192-01	RB104	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO
Q3192-02	RB105	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:23 Date/Time 09/24/25 17:35
Raw Sample Received by: SB WVC Raw Sample Received by: CD SN
Raw Sample Relinquished by: CD SN Raw Sample Relinquished by: SB WVC

Prep Standard - Chemical Standard Summary

Order ID : Q3176
Test : VOC-TCLVOA-10

Prepbatch ID :
Sequence ID/Qc Batch ID: VW092425,

Standard ID :
VP133934,VP134147,VP134149,VP134150,VP134934,VP134957,VP135480,VP135481,VP135552,VP135553,VP135625,VP135626,VP135627,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14636,V14637,V14638,V14639,V14673,V14727,V14728,V14803,V14815,V14844,V14906,V14921,V14928,V14929,V14951,V14952,V15066,V15067,V15068,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
05/21/2025								

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/10/2025								

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135481	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135480 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP135553	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/26/2025

FROM 5.62500ml of V14928 + 9.37500ml of VP135552 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP135625	09/24/2025	09/25/2025	Amit Patel	None	None	Maresh Dadoda
								09/29/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135626	09/24/2025	09/25/2025	Amit Patel	None	None	Maresh Dadoda
								09/29/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135481
+ 0.00250ml of VP135553 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP135627	09/24/2025	09/25/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135481 + 0.00250ml of VP135553 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	2310762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

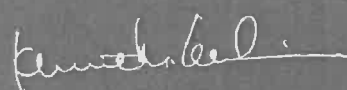
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Ken Koehnlein
Sr. Manager, Quality Assurance



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

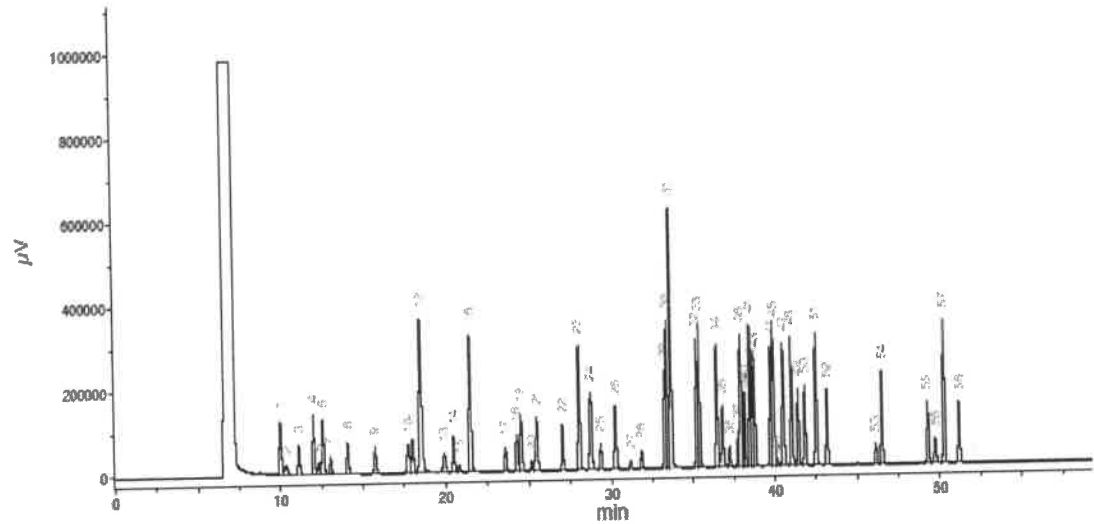
Compound	(K049)	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight (g)	Weight (g)	Conc. (µg/mL)	Uncertainty	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWL)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2480mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 75mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2480mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Perchloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	32261	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	2001.3	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 106mg/kg
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40015.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.9	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40008.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	109-46-7	75 ppm (450mg/m3/8H)	or-rat 500mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40000.8	2000										



Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetone	12.00
5	Isodimethane	12.21
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Hexamethylcyclotrisiloxane/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethane	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.24
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.76
34	Isopropylbenzene/Bromofluorant	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.72
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225
H370
P271
P302,332Highly Flammable Liquid and Vapor
Cause damage to organs
Use in ventilated area
If on skin, wash with soap and waterH301, 311, 331
H351
P280
P305,351,338Toxic if swallowed, skin contact, inhaled
Suspected of causing cancer
Use gloves, eye protection/face shield
If in eyes, remove contacts, rinse with water

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))
Methanol METHYL ALCOHOL

CAS#: 67-56-1

% (optional)
> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice

If inhaled

In case of skin contact

In case of eye contact

If swallowed

Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Wash with soap and water. Consult a physician.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability

Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective equipment for fire

Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Clean up

Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage Conditions

Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm

Skin notation TWA 200 ppm

Potential for skin absorption, ingestion and inhalation.

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.

Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.6	22.9	158-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1800mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-83-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1,3-Dichloropropane	35161	112322	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10081-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	98-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8H)	or-rat

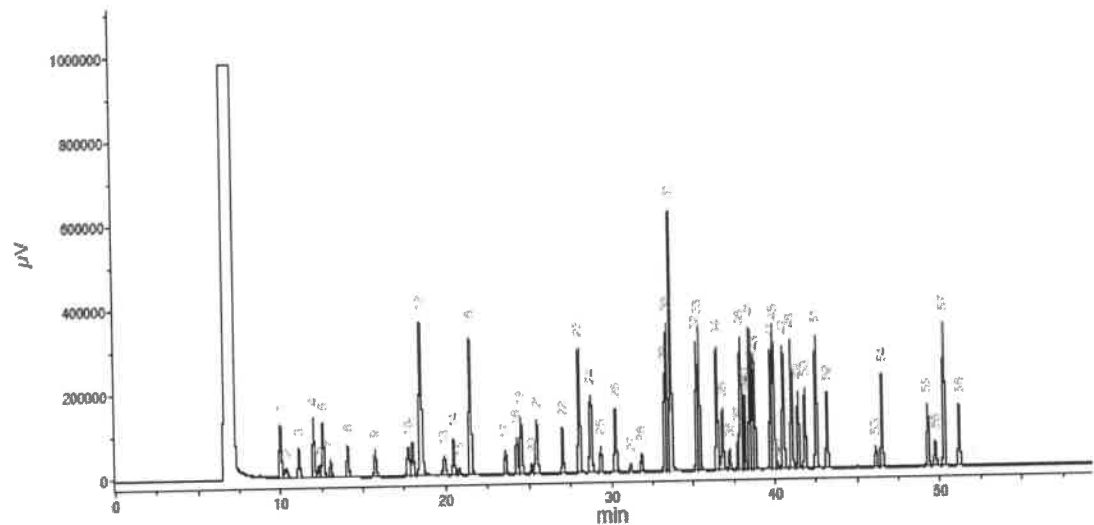


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1,1-Trichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	13.56
7	Carbon disulfide/Methylene chloride	13.94
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methoxyvinylbenzene/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethene	27.07
23	Toluene	28.03
24	Ethyl methacrylate/trans-1,2-Dichloroethene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,2-Dichloropropane	30.94
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	32.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.53
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	35.78
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,2-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,3,5-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water

			Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: AcroleinSolvent(s): Water
Lot#: 072324Q

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324Q

		091424
Formulated By:	Justin Dippold	DATE
		091424
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

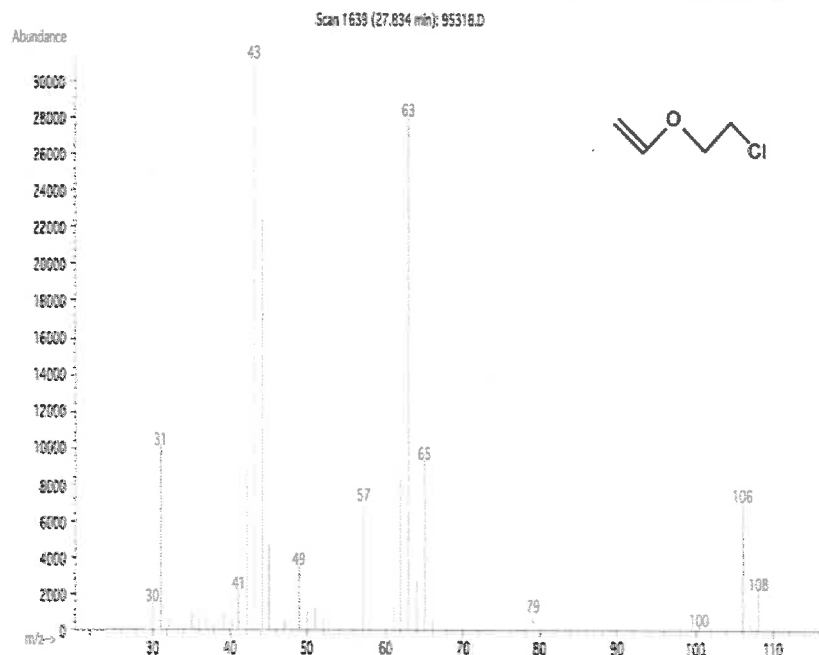
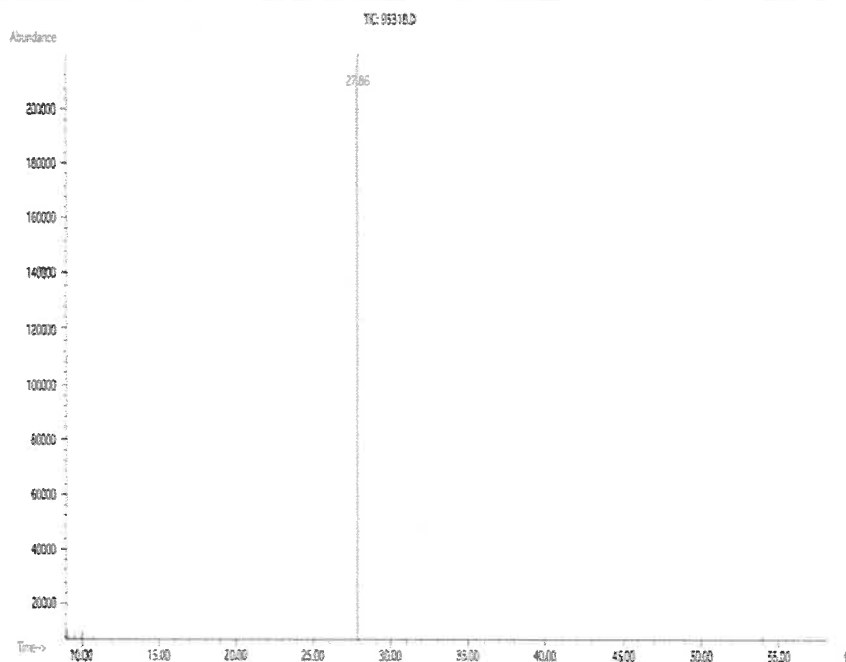
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

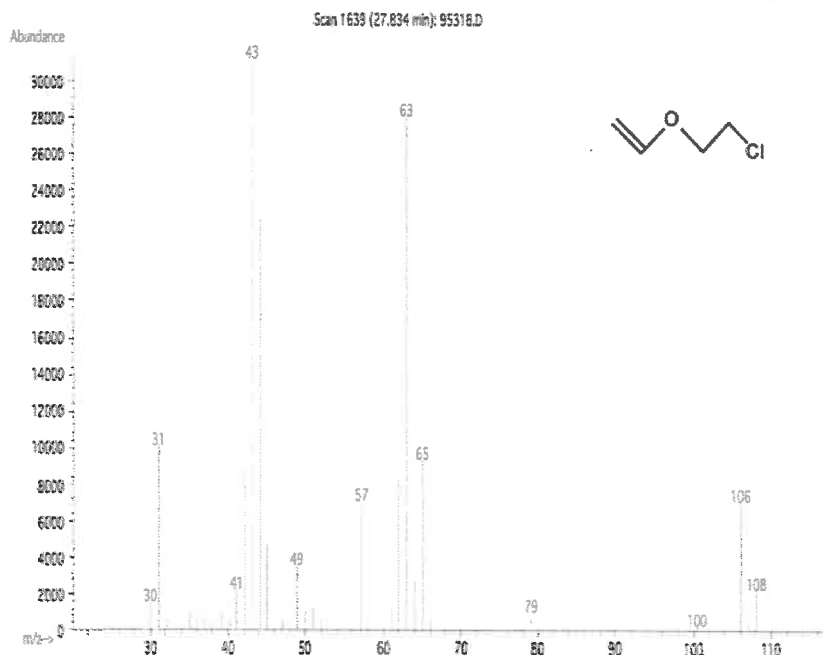
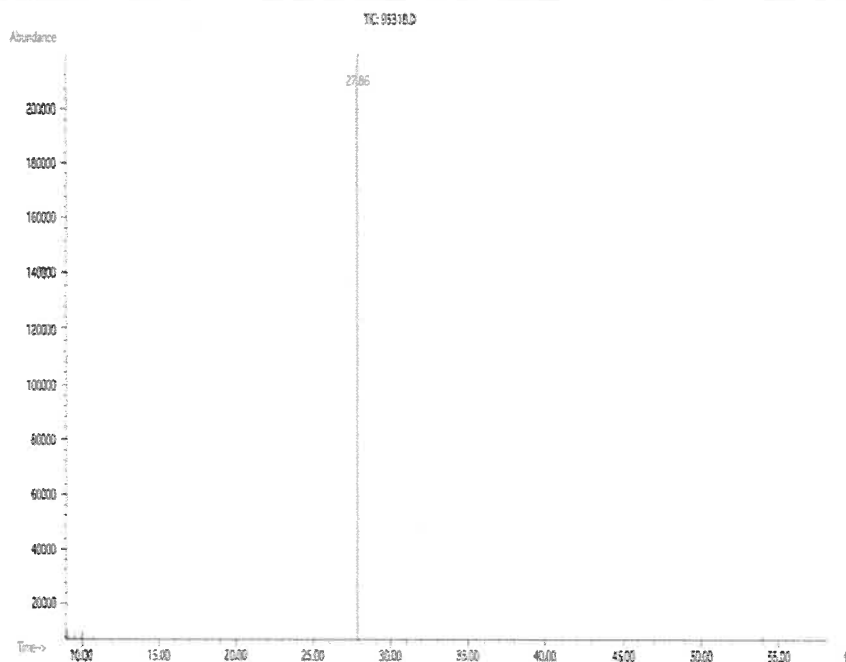
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



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Safety Data Sheet (SDS)

GHS/OSHA Compliant

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Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
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Methanol	67-56-1	TWA 200 ppm
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Potential for skin absorption, ingestion and inhalation.		
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Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
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Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
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Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

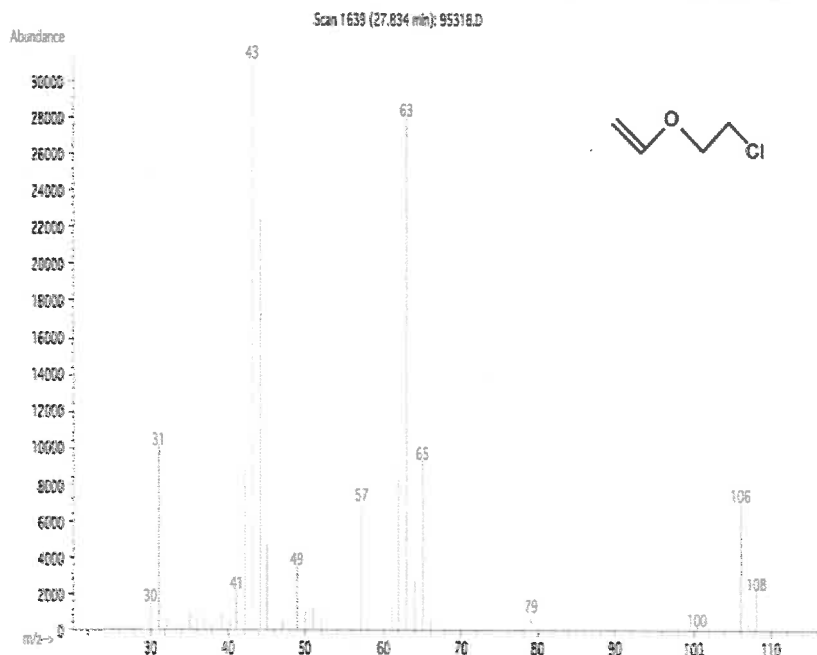
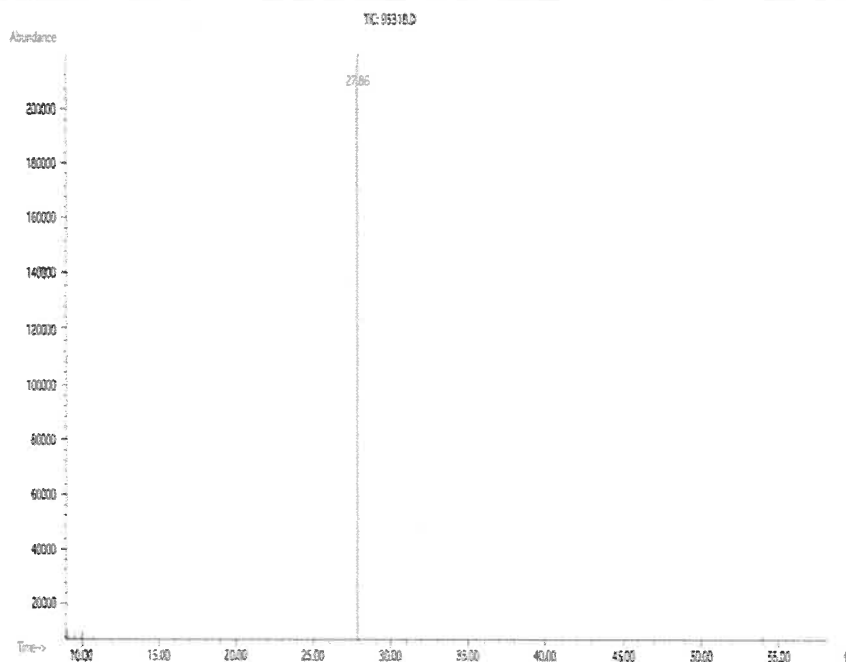
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

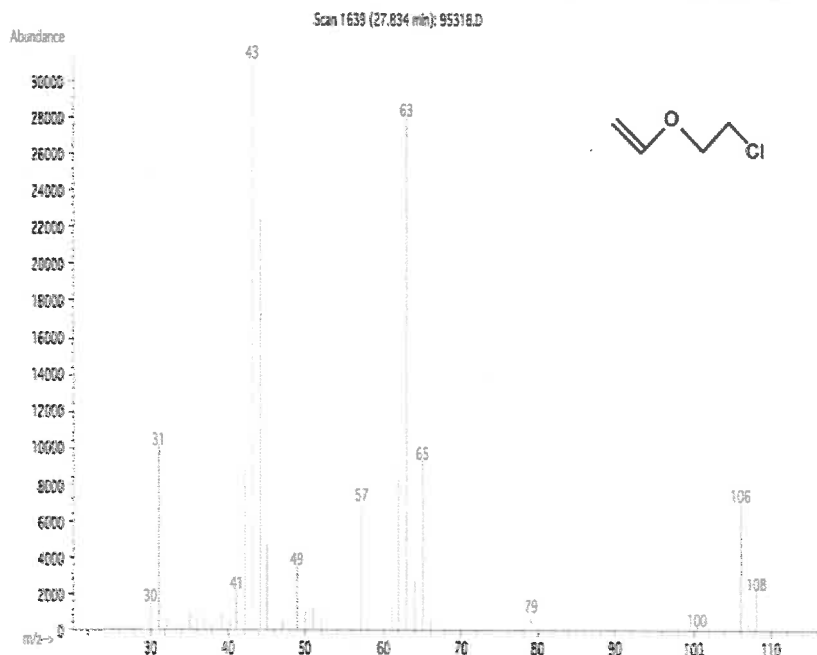
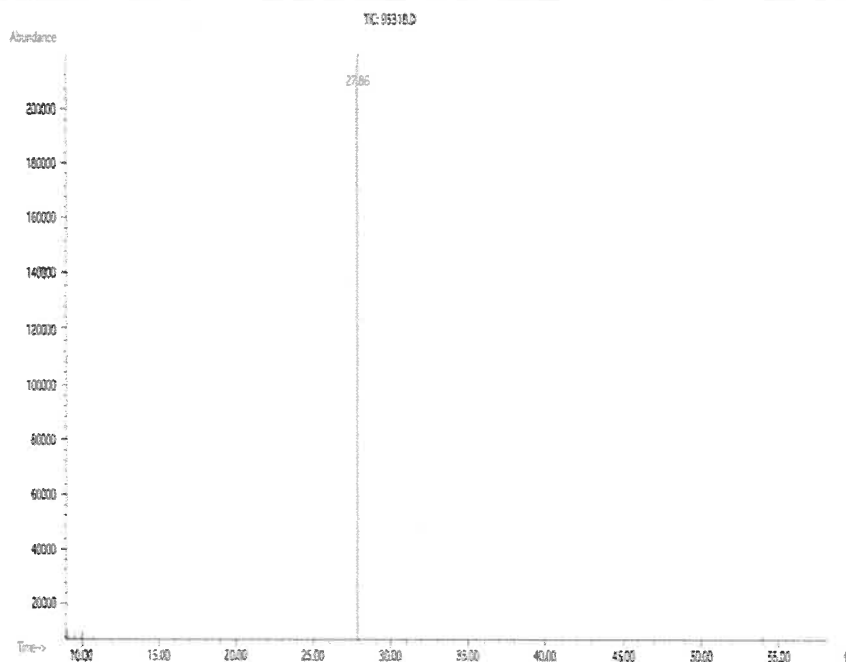
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



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H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
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P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
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Potential for skin absorption, ingestion and inhalation.		
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DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

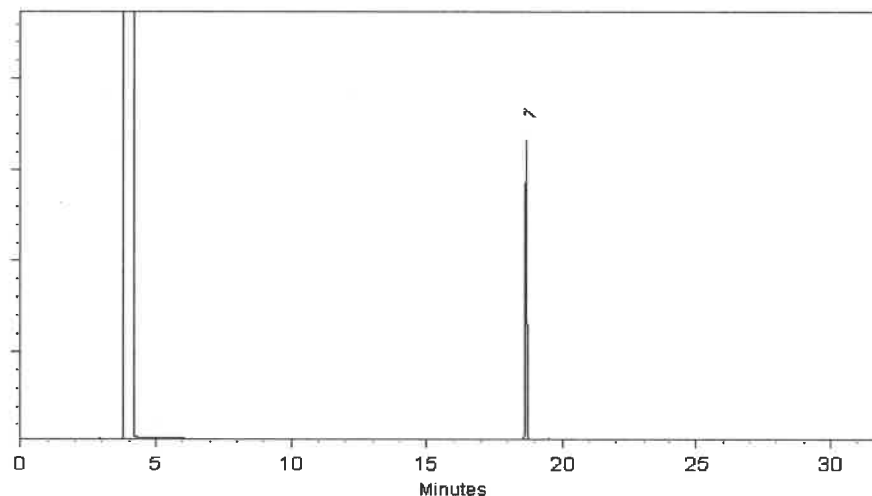
FID

Split Vent:

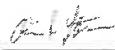
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

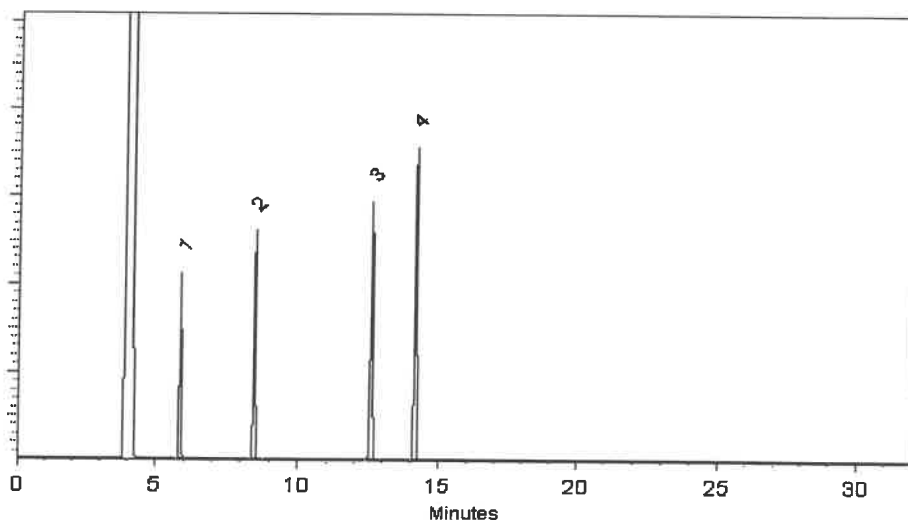
FID

Split Vent:

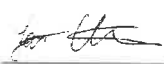
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

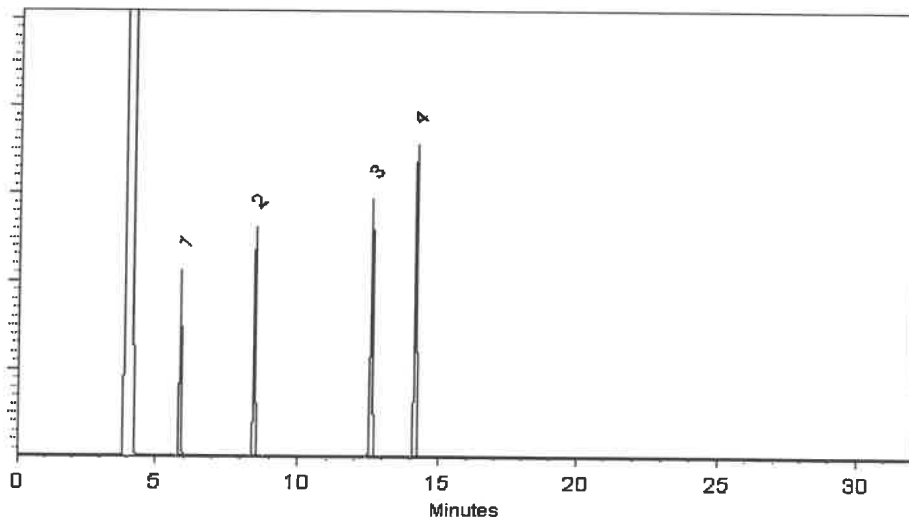
FID

Split Vent:

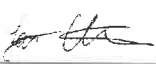
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

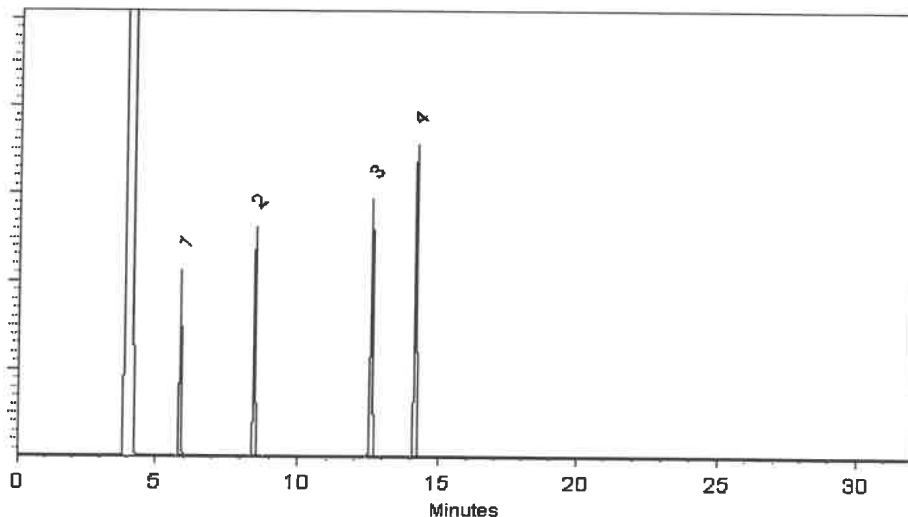
FID

Split Vent:

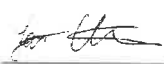
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

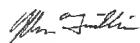
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of 11-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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10 vial.
Dec: 12/09/24
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chromatographic plus
V14667
V14676



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

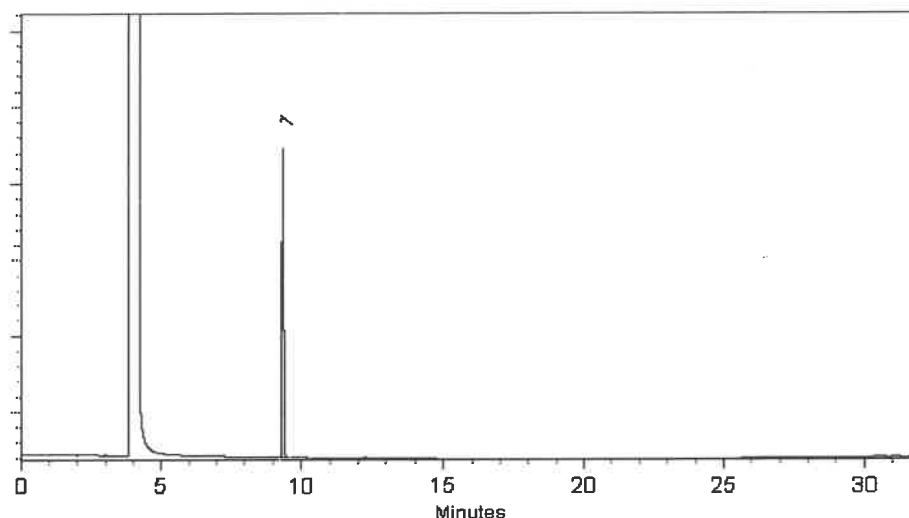
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL
30 ml

Certificate of Analysis

chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

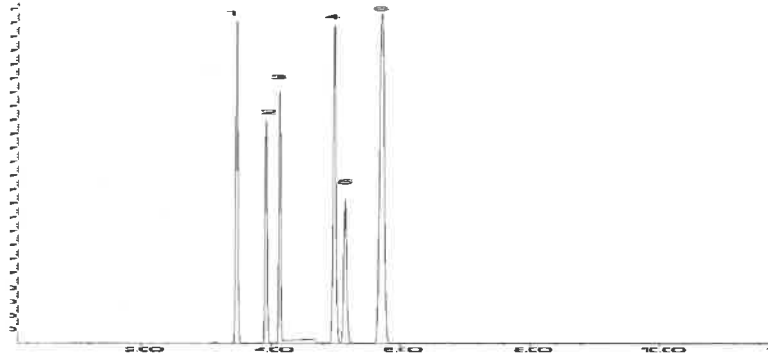
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
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30 ml
Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 Lot No.: A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2031 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

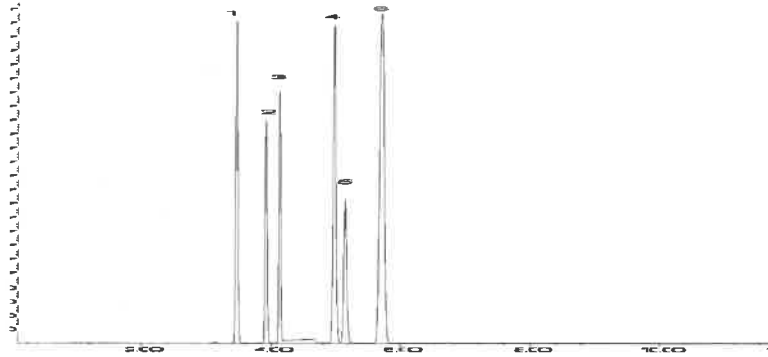
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

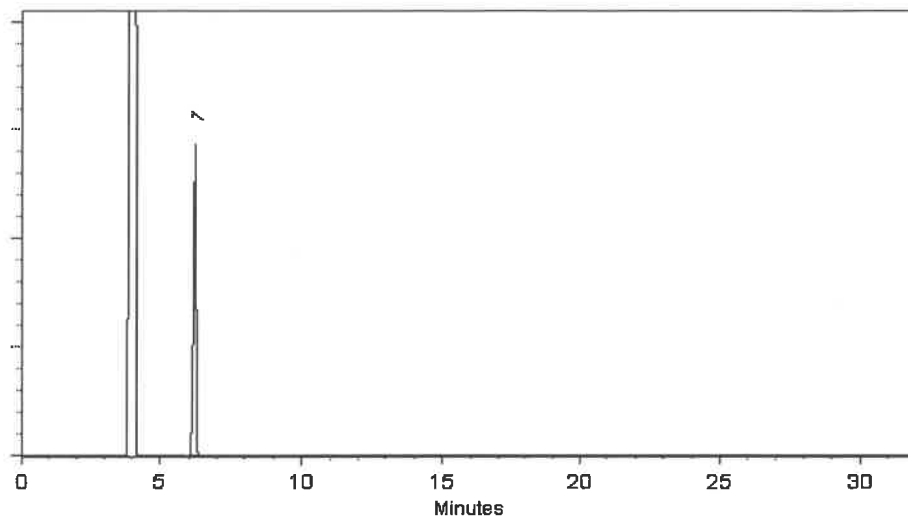
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

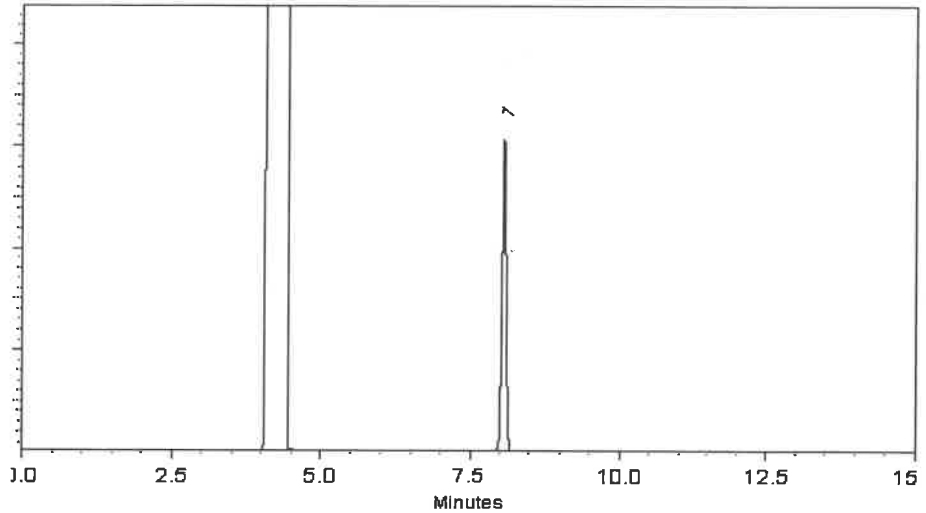
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pabon at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

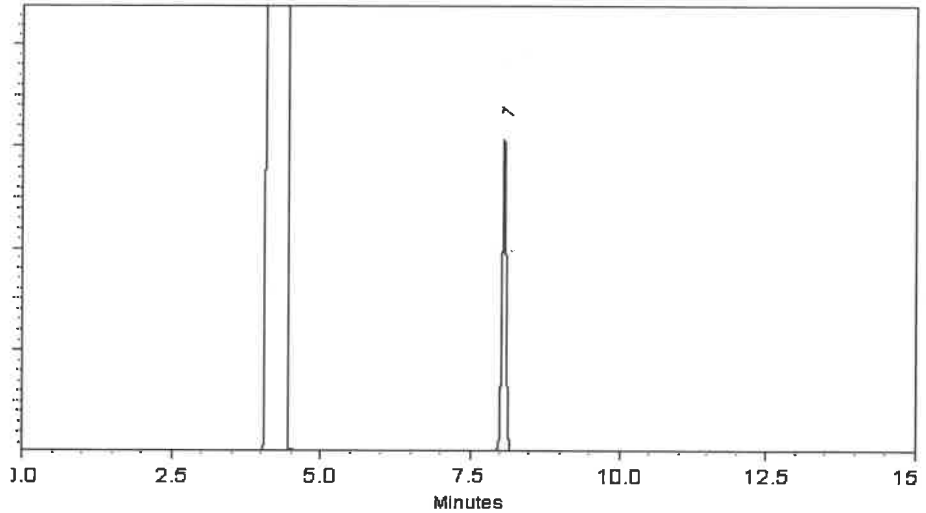
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pabon at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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10 vial
Dec 03/31/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric

V14904 to V14913



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

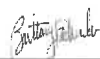
This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904
Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


Brittany Federlino - Operations Tech I

Date Mixed: 27-Mar-2025

Balance: B251644995



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

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500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



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2ee 05/19/25
CERTIFIED REFERENCE MATERIAL
20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this



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2ee 05/19/25
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20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this



Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

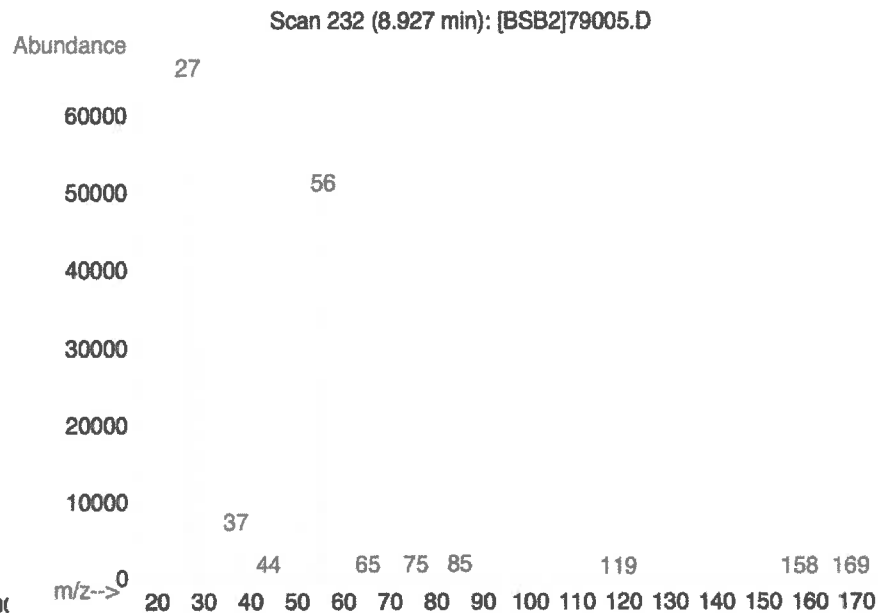
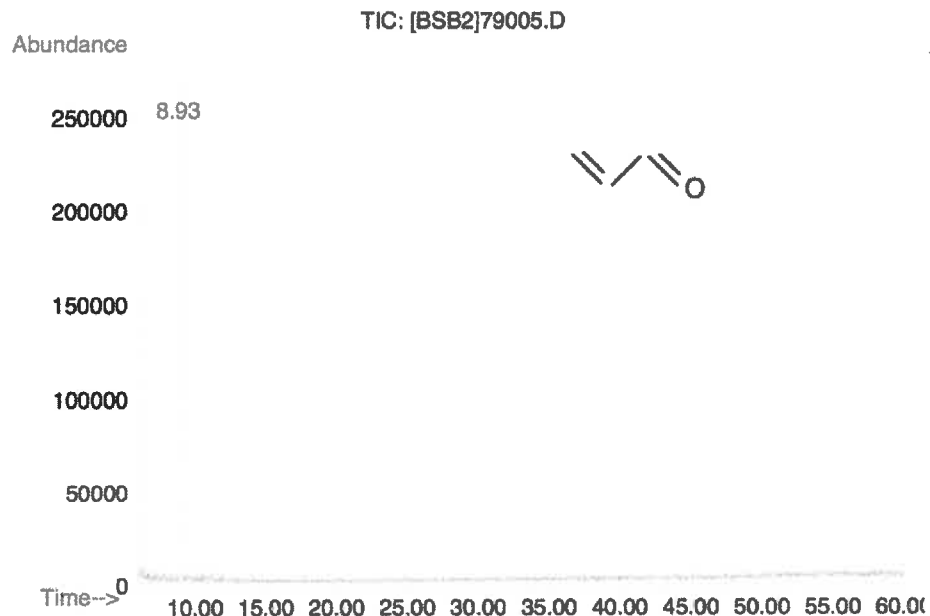
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

V15064 to
V15068

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05186	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

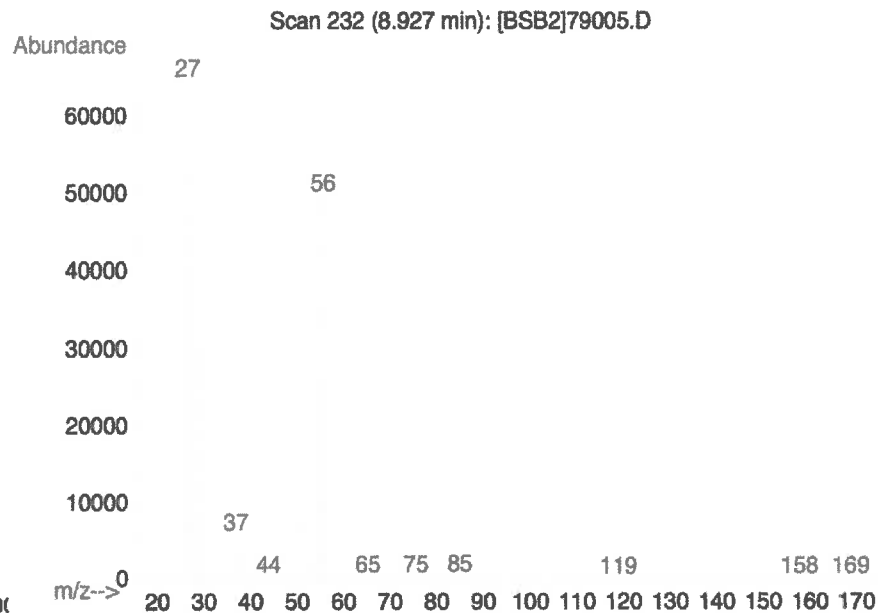
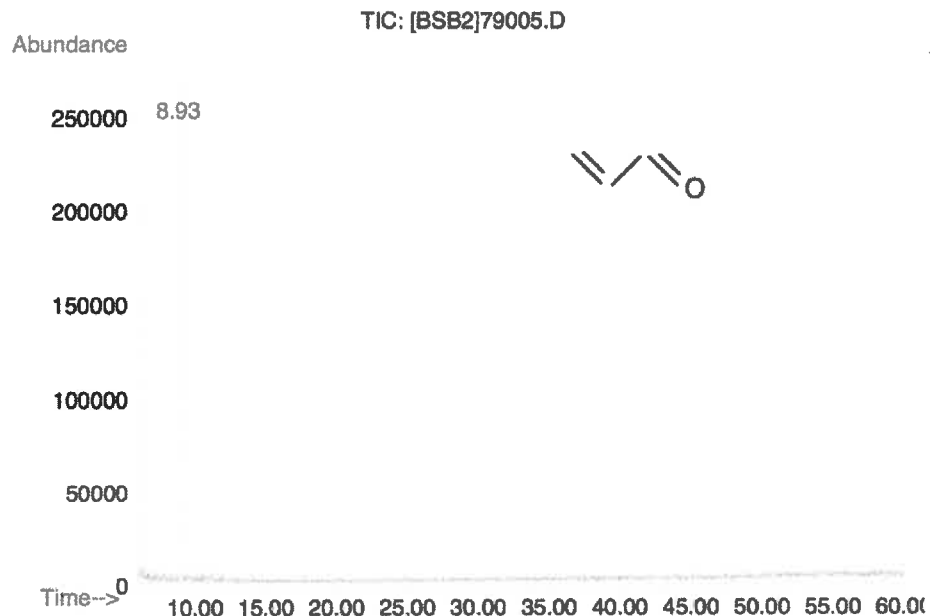
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15064 to
V15068

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



Certified Reference Material CRM

Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

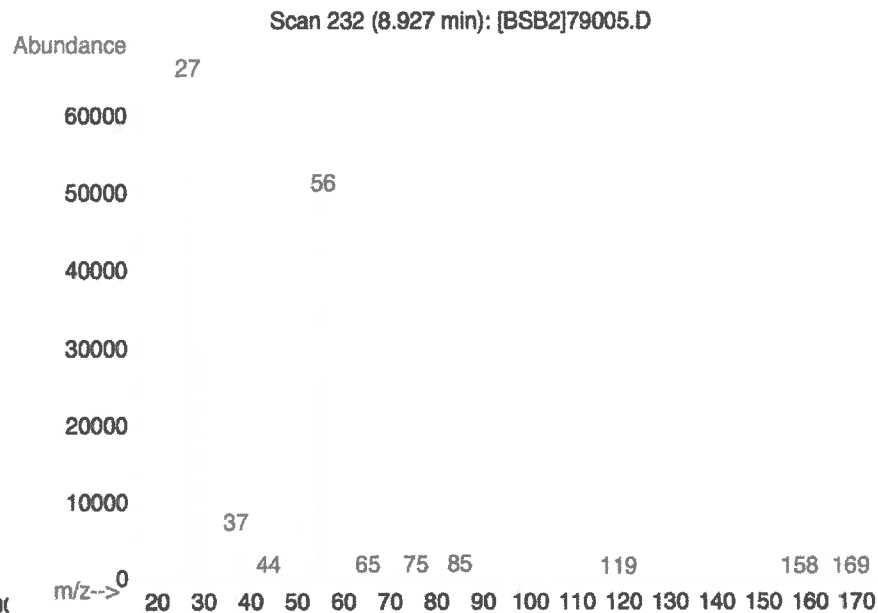
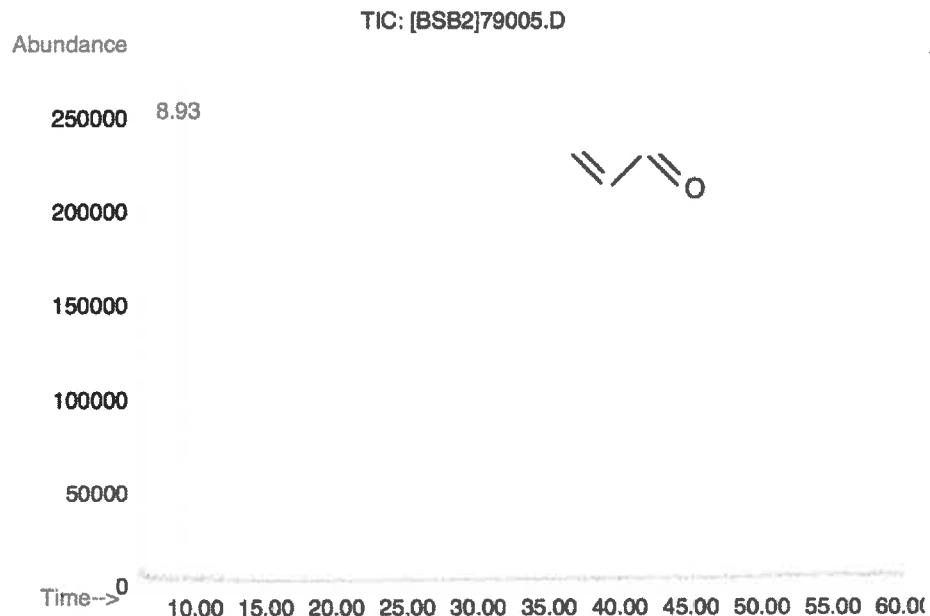
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15064 to
V15068

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight (g)	Vial A Time	Vial B Weight (g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q3176-01	5.28	11:00	4.82	11:01	4.83	11:02	V14921	09/24/2025	ENCORE SAMPLE 8260 STORED IN FRZ #2
2	Q3176-02	5.05	11:03	4.93	11:04	4.74	11:05	V14921	09/24/2025	
3	Q3176-03	4.54	11:06	5.09	11:07	5.00	11:08	V14921	09/24/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177



SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

Contact Phone: 732-570-4993

No: 2-092325-0004-0049-01

Cooler #: 1 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	EME-TS12-01	Percent Moisture	Soil	9/23/2025	12:08	1	4 oz jar w/ septum	4 C	
	EME-TS12-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:08	2	8 oz amber glass jar	4 C	
	EME-TS12-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:08	1	8 oz clear glass jar	4 C	
	EME-TS12-01	EPH	Soil	9/23/2025	12:08	1	4 oz glass jar	4 C	
	EME-TS12-01	SPLP VOCs	Soil	9/23/2025	12:08	3	5 g Encore sampler	4 C	
	EME-TS12-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:08	2	8 oz amber glass jar	4 C	
	EME-TS12-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:08	1	8 oz clear glass jar	4 C	
	EME-TS12-01	SPLP EPH	Soil	9/23/2025	12:08	1	4 oz glass jar	4 C	
	EME-TS12-01	TAL VOCs,	Soil	9/23/2025	12:08	3	5 g Encore sampler	4 C	
	EME-TS13-01	SPLP VOCs	Soil	9/23/2025	12:20	3	5 g Encore sampler	4 C	
	EME-TS13-01	TAL VOCs,	Soil	9/23/2025	12:20	3	5 g Encore sampler	4 C	
	EME-TS13-01	Percent Moisture	Soil	9/23/2025	12:20	1	4 oz jar w/ septum	4 C	
	EME-TS13-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:20	2	8 oz amber glass jar	4 C	
	EME-TS13-01	EPH	Soil	9/23/2025	12:20	1	4 oz glass jar	4 C	
	EME-TS13-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:20	2	8 oz amber glass jar	4 C	
	EME-TS13-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:20	1	8 oz clear glass jar	4 C	
	EME-TS13-01	SPLP EPH	Soil	9/23/2025	12:20	1	4 oz glass jar	4 C	
	EME-TS13-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:20	1	8 oz clear glass jar	4 C	

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com. 7 day preliminary TAT.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	LC / START VI Weston	9/23/25 1700		9-23-25 1700	1.5°C IR flow #1 custody subs taken Temp. GIVE present

USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

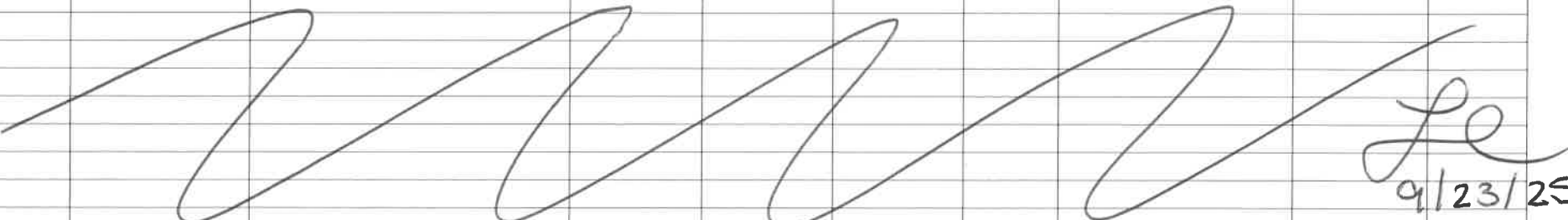
Contact Phone: 732-570-4993

No: 2-092325-0004-0049-01

Cooler #: 1 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	EME-TS14-02	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:57	1	8 oz clear glass jar	4 C	
	EME-TS14-02	TAL VOCs,	Soil	9/23/2025	12:57	3	5 g Encore sampler	4 C	
	EME-TS14-02	Percent Moisture	Soil	9/23/2025	12:57	1	4 oz jar w/ septum	4 C	
	EME-TS14-02	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:57	2	8 oz amber glass jar	4 C	
	EME-TS14-02	EPH	Soil	9/23/2025	12:57	1	4 oz glass jar	4 C	
	EME-TS14-02	SPLP VOCs	Soil	9/23/2025	12:57	3	5 g Encore sampler	4 C	
	EME-TS14-02	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:57	2	8 oz amber glass jar	4 C	
	EME-TS14-02	SPLP EPH	Soil	9/23/2025	12:57	1	4 oz glass jar	4 C	
	EME-TS14-02	TAL Metals + Hg and Cn	Soil	9/23/2025	12:57	1	8 oz clear glass jar	4 C	
									

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com.
7 day preliminary TAT.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	LE / START VI weston	9/23/25 1700		9-23-25 1700	15°C ID tag #1 custody seals intact Temp. OK. present

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3176	ROYF02	Order Date : 9/24/2025 10:16:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 916	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 9/23/2025 5:00:00 PM	EDD Type : Equis Region2(MEDD)
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3176-01	EME-TS12-01	Solid	09/23/2025	12:08	VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3176-02	EME-TS13-01	Solid	09/23/2025	12:20	VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3176-03	EME-TS14-01	Solid	09/23/2025	12:57	VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By :

Date / Time : 9/24/25 1110

Received By :

Date / Time :

09/24/25

11:15

Storage Area : VOA Refridgerator Room