

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : CON EDISON - EAST RIVER SITE 2

PARSONS ENGINEERING OF NEW YORK, INC.

301 Plainfield Road

Suite 350

Syracuse, NY - 13212

Phone No: 315-451-9560

ORDER ID : Q2592

ATTENTION : Zohar Lavy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2592

Project ID : Con Edison - East River Site 2

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

Q2592-01
Q2592-02

Client Sample Number

WC-SOIL-20250711
WC-SOIL-20250711

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

Signature : _____

Date: 7/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

PARSONS Engineering of New York, Inc.

Project Name: Con Edison - East River Site 2

Project # N/A

Order ID # Q2592

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

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 VOCMS Group1 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 (82W063025S.M) for Methylene Chloride passing on Quadratic Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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

Trip Blank was not provided with this set of samples.

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



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

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2592

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 (82W063025S.M) for Methylene Chloride passing on Quadratic Regression. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 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.

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

NA NO YES

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

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

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 10:22 am, Jul 25, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2592

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 Castody

✓

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: 07/21/2025

LAB CHRONICLE

OrderID:	Q2592	OrderDate:	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison - East River Site 2
Contact:	Zohar Lavy	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	WC-SOIL-20250711	SOIL	VOCMS Group1	8260D	07/11/25		07/14/25	07/11/25

Hit Summary Sheet
SW-846

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID:

0

Total Voc :

Total Concentration:



QC SUMMARY

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Surrogate Summary

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2592-01	WC-SOIL-20250711	1,2-Dichloroethane-d4	50	49.4	99		63	155
		Dibromofluoromethane	50	48.6	97		70	134
		Toluene-d8	50	47.5	95		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146
VW0714SBL01	VW0714SBL01	1,2-Dichloroethane-d4	50	48.0	96		63	155
		Dibromofluoromethane	50	47.1	94		70	134
		Toluene-d8	50	44.9	90		74	123
		4-Bromofluorobenzene	50	46.2	92		17	146
VW0714SBS01	VW0714SBS01	1,2-Dichloroethane-d4	50	53.8	108		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	51.4	103		74	123
		4-Bromofluorobenzene	50	52.3	105		17	146
VW0714SBSD0	VW0714SBSD01	1,2-Dichloroethane-d4	50	55.2	110		63	155
		Dibromofluoromethane	50	51.7	103		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	54.1	108		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2592	SW-846	Analytical Method:	SW8260D
Client:	PARSONS Engineering of New York, I	Datafile :	VW031838.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			64	136	
	Chloromethane	20	19.6	ug/Kg	98			52	151	
	Vinyl chloride	20	20.6	ug/Kg	103			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	20.2	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	16.8	ug/Kg	84			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/Kg	98			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	87.1	ug/Kg	87			40	171	
	Carbon disulfide	20	18.7	ug/Kg	94			59	130	
	Methyl tert-butyl Ether	20	22.8	ug/Kg	114			77	129	
	Methyl Acetate	20	18.6	ug/Kg	93			69	149	
	Methylene Chloride	20	24.0	ug/Kg	120			72	131	
	trans-1,2-Dichloroethene	20	21.7	ug/Kg	109			80	123	
	1,1-Dichloroethane	20	22.2	ug/Kg	111			82	123	
	Cyclohexane	20	19.7	ug/Kg	99			76	122	
	2-Butanone	100	96.3	ug/Kg	96			69	131	
	Carbon Tetrachloride	20	17.9	ug/Kg	90			76	129	
	cis-1,2-Dichloroethene	20	22.3	ug/Kg	112			82	123	
	Bromochloromethane	20	21.9	ug/Kg	110			80	127	
	Chloroform	20	22.7	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Methylcyclohexane	20	18.4	ug/Kg	92			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	94.7	ug/Kg	95			70	135	
	Toluene	20	21.4	ug/Kg	107			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	2-Hexanone	100	95.7	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.0	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			80	125	
	Tetrachloroethene	20	17.7	ug/Kg	89			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.6	ug/Kg	104			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	21.5	ug/Kg	108			82	124	
	Bromoform	20	18.3	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.0	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>PARSONS Engineering of New York, I</u>	Datafile :	<u>VW031838.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2592	SW-846	Analytical Method:	SW8260D
Client:	PARSONS Engineering of New York, I	Datafile :	VW031839.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBSD01	Dichlorodifluoromethane	20	16.9	ug/Kg	85	10		64	136	20
	Chloromethane	20	19.7	ug/Kg	99	1		52	151	20
	Vinyl chloride	20	20.0	ug/Kg	100	3		56	148	20
	Bromomethane	20	20.4	ug/Kg	102	1		58	141	20
	Chloroethane	20	20.1	ug/Kg	101	0		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	14		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98	0		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	3		79	121	20
	Acetone	100	99.3	ug/Kg	99	13		40	171	20
	Carbon disulfide	20	18.5	ug/Kg	93	1		59	130	20
	Methyl tert-butyl Ether	20	22.8	ug/Kg	114	0		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	11		69	149	20
	Methylene Chloride	20	24.5	ug/Kg	123	2		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	22.1	ug/Kg	111	0		82	123	20
	Cyclohexane	20	19.8	ug/Kg	99	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	14		69	131	20
	Carbon Tetrachloride	20	18.5	ug/Kg	93	3		76	129	20
	cis-1,2-Dichloroethene	20	22.4	ug/Kg	112	0		82	123	20
	Bromochloromethane	20	22.9	ug/Kg	115	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	1		82	125	20
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		80	126	20
	Methylcyclohexane	20	18.1	ug/Kg	91	1		77	123	20
	Benzene	20	20.9	ug/Kg	104	0		84	121	20
	1,2-Dichloroethane	20	20.6	ug/Kg	103	1		81	126	20
	Trichloroethene	20	19.5	ug/Kg	98	5		83	122	20
	1,2-Dichloropropane	20	20.5	ug/Kg	103	4		83	122	20
	Bromodichloromethane	20	20.8	ug/Kg	104	0		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	5		70	135	20
	Toluene	20	21.1	ug/Kg	106	1		83	122	20
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105	3		78	124	20
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105	0		81	122	20
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105	1		82	125	20
	2-Hexanone	100	110	ug/Kg	110	14		66	138	20
	Dibromochloromethane	20	19.5	ug/Kg	98	2		79	125	20
	1,2-Dibromoethane	20	20.8	ug/Kg	104	6		80	125	20
	Tetrachloroethene	20	17.3	ug/Kg	86	3		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	3		84	122	20
	Ethyl Benzene	20	20.4	ug/Kg	102	2		82	124	20
	m/p-Xylenes	40	39.8	ug/Kg	100	4		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	3		83	123	20
	Styrene	20	20.4	ug/Kg	102	6		82	124	20
	Bromoform	20	19.1	ug/Kg	96	4		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104	0		77	127	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	1		83	122	20
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101	7		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	4		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>PARSONS Engineering of New York, I</u>	Datafile :	<u>VW031839.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	5		78	127	20
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96	8		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0714SBL01

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab File ID: VW031837.D

Lab Sample ID: VW0714SBL01

Date Analyzed: 07/14/2025

Time Analyzed: 09:46

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
VW0714SBS01	VW0714SBS01	VW031838.D	07/14/2025
VW0714SBSD01	VW0714SBSD01	VW031839.D	07/14/2025
WC-SOIL-20250711	Q2592-01	VW031845.D	07/14/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: PARS02Lab Code: ACESDG NO.: Q2592Lab File ID: VW031728.DBFB Injection Date: 06/30/2025Instrument ID: MSVOA_WBFB Injection Time: 08:56GC 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	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 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	VW031729.D	06/30/2025	09:54
VSTDIC010	VSTDIC010	VW031730.D	06/30/2025	10:15
VSTDIC020	VSTDIC020	VW031731.D	06/30/2025	10:58
VSTDIC050	VSTDIC050	VW031732.D	06/30/2025	11:21
VSTDIC100	VSTDIC100	VW031733.D	06/30/2025	12:34
VSTDIC150	VSTDIC150	VW031734.D	06/30/2025	12:55

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: PARS02Lab Code: ACESDG NO.: Q2592Lab File ID: VW031835.DBFB Injection Date: 07/14/2025Instrument ID: MSVOA_WBFB Injection Time: 08:45GC 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	19.5
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	63.7
175	5.0 - 9.0% of mass 174	5.4 (8.5) 1
176	95.0 - 101.0% of mass 174	62.5 (98.1) 1
177	5.0 - 9.0% of mass 176	4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031836.D	07/14/2025	09:17
VW0714SBL01	VW0714SBL01	VW031837.D	07/14/2025	09:46
VW0714SBS01	VW0714SBS01	VW031838.D	07/14/2025	10:14
VW0714SBSD01	VW0714SBSD01	VW031839.D	07/14/2025	10:36
WC-SOIL-20250711	Q2592-01	VW031845.D	07/14/2025	13:07

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: PARS02
 Lab Code: ACE SDG NO.: Q2592
 Lab File ID: VW031836.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:17
 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	228359	7.96	408363	8.85	364073	11.63
UPPER LIMIT	456718	8.459	816726	9.349	728146	12.129
LOWER LIMIT	114180	7.459	204182	8.349	182037	11.129
EPA SAMPLE NO.						
WC-SOIL-20250711	205400	7.97	386707	8.86	368231	11.64
VW0714SBL01	179274	7.96	359991	8.85	334968	11.64
VW0714SBS01	217952	7.96	419177	8.85	378051	11.63
VW0714SBSD01	213196	7.97	419599	8.86	383633	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: PARS02
 Lab Code: ACE SDG NO.: Q2592
 Lab File ID: VW031836.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:17
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	165994	13.556				
UPPER LIMIT	331988	14.056				
LOWER LIMIT	82997	13.056				
EPA SAMPLE NO.						
WC-SOIL-20250711	164076	13.56				
VW0714SBL01	154203	13.56				
VW0714SBS01	171979	13.56				
VW0714SBSD01	180632	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:	PARSONS Engineering of New York, Inc.		Date Collected:	07/11/25	
Project:	Con Edison - East River Site 2		Date Received:	07/11/25	
Client Sample ID:	WC-SOIL-20250711		SDG No.:	Q2592	
Lab Sample ID:	Q2592-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	76.7	
Sample Wt/Vol:	6.94	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031845.D	1	07/14/25 13:07	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.70	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	4.70	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	4.70	U	0.74	4.70	ug/Kg
74-83-9	Bromomethane	4.70	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	4.70	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	4.70	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.70	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	4.70	U	0.94	4.70	ug/Kg
67-64-1	Acetone	23.5	U	4.50	23.5	ug/Kg
75-15-0	Carbon Disulfide	4.70	U	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.70	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	4.70	U	1.40	4.70	ug/Kg
75-09-2	Methylene Chloride	9.40	U	3.30	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.70	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	4.70	U	0.75	4.70	ug/Kg
110-82-7	Cyclohexane	4.70	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	23.5	U	6.10	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	4.70	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.70	U	0.70	4.70	ug/Kg
74-97-5	Bromochloromethane	4.70	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	4.70	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.70	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	4.70	U	0.85	4.70	ug/Kg
71-43-2	Benzene	4.70	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	4.70	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	4.70	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	4.70	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	4.70	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23.5	U	3.40	23.5	ug/Kg
108-88-3	Toluene	4.70	U	0.73	4.70	ug/Kg

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	07/11/25	
Project:	Con Edison - East River Site 2		Date Received:	07/11/25	
Client Sample ID:	WC-SOIL-20250711		SDG No.:	Q2592	
Lab Sample ID:	Q2592-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	76.7	
Sample Wt/Vol:	6.94	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031845.D	1	07/14/25 13:07	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.70	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.70	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.70	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	23.5	U	3.50	23.5	ug/Kg
124-48-1	Dibromochloromethane	4.70	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	4.70	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	4.70	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	4.70	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	4.70	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	9.40	U	1.20	9.40	ug/Kg
95-47-6	o-Xylene	4.70	U	0.77	4.70	ug/Kg
100-42-5	Styrene	4.70	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	4.70	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	4.70	U	0.73	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.70	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.70	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.70	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.70	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.70	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.70	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.5		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.965			
540-36-3	1,4-Difluorobenzene	387000	8.855			
3114-55-4	Chlorobenzene-d5	368000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.556			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	07/11/25	
Project:	Con Edison - East River Site 2		Date Received:	07/11/25	
Client Sample ID:	WC-SOIL-20250711		SDG No.:	Q2592	
Lab Sample ID:	Q2592-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	76.7	
Sample Wt/Vol:	6.94	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031845.D	1	07/14/25 13:07	VW071425

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Quant Time: Jul 15 02:44:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	205400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	386707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	368231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164076	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145728	49.438	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.880%
35) Dibromofluoromethane	7.904	113	122669	48.612	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.220%
50) Toluene-d8	10.331	98	445707	47.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.617	95	178085	51.532	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.060%

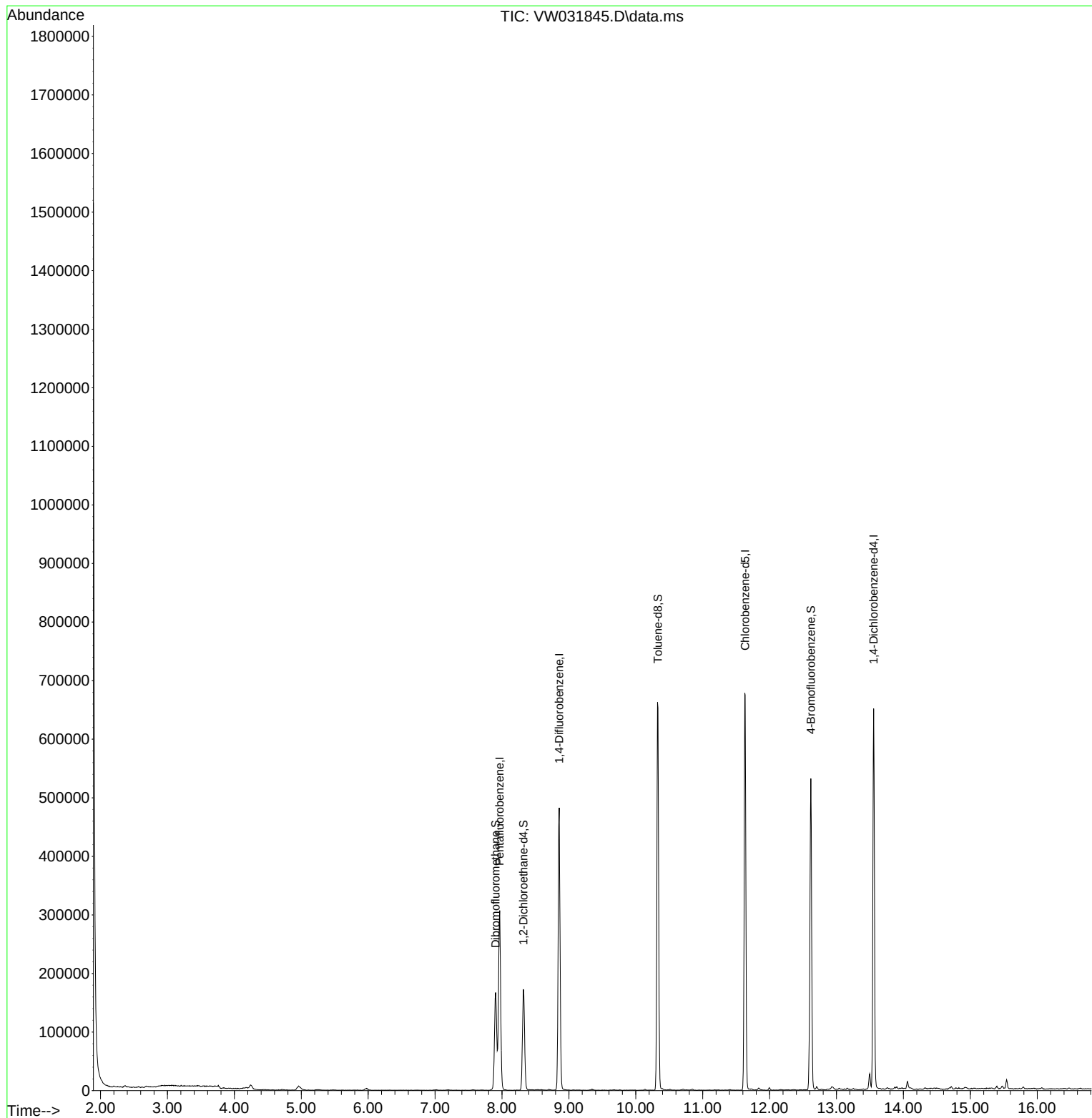
Target Compounds	Qvalue

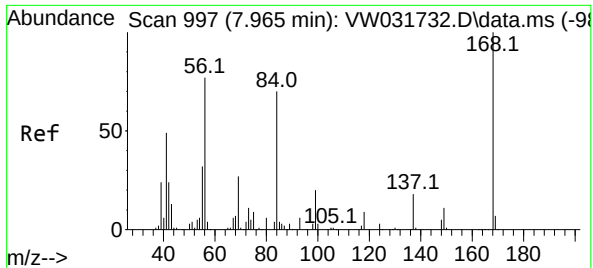
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Quant Time: Jul 15 02:44:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

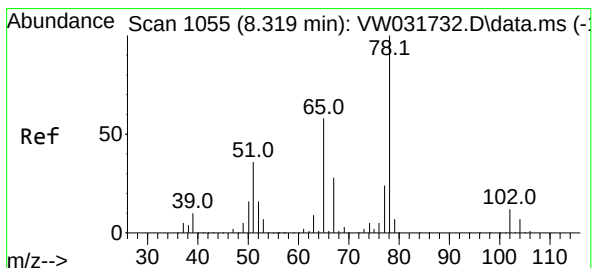
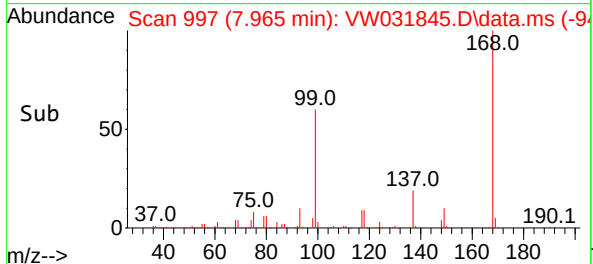
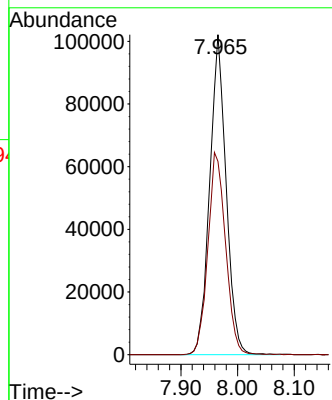
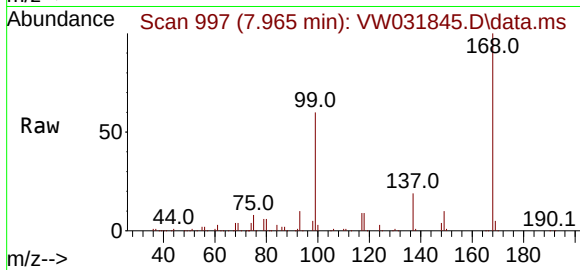




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

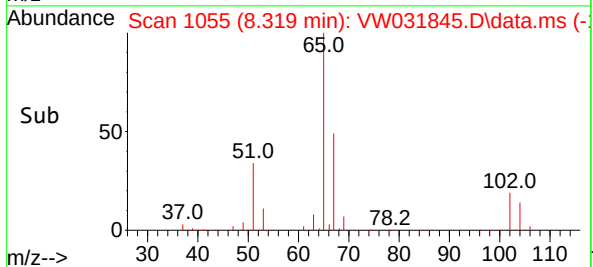
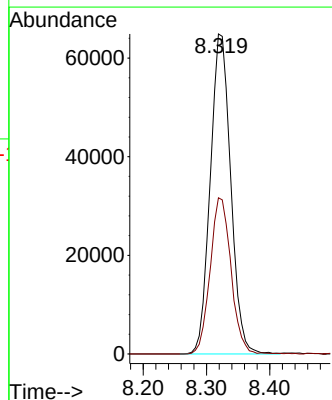
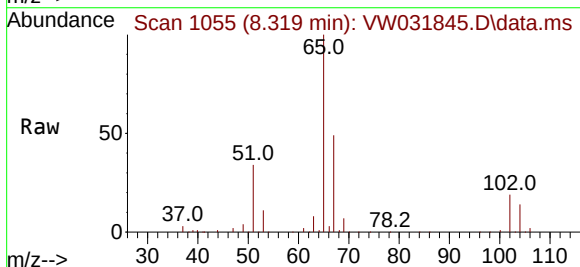
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

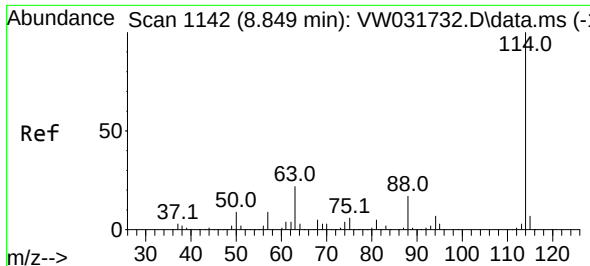
Tgt Ion:168 Resp: 205400
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 49.438 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion: 65 Resp: 145728
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.4

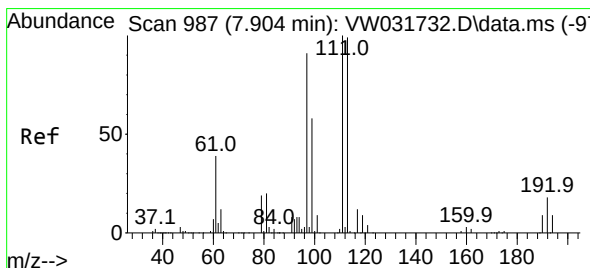
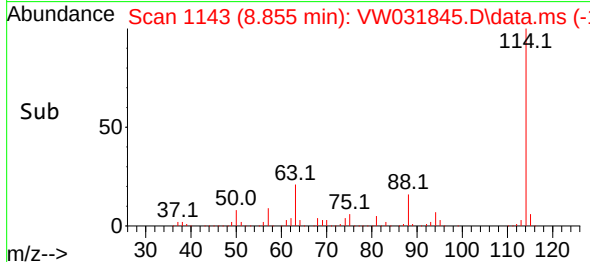
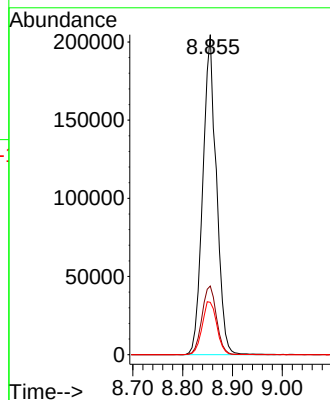
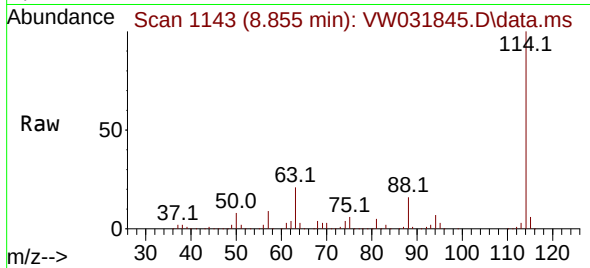




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

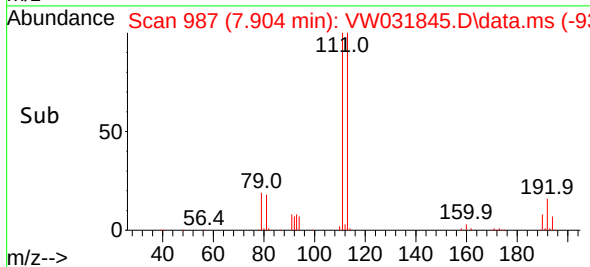
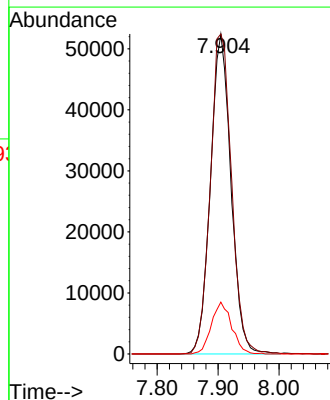
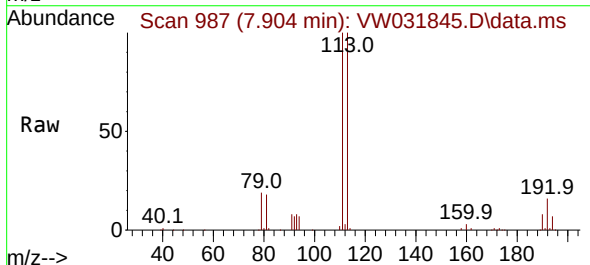
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

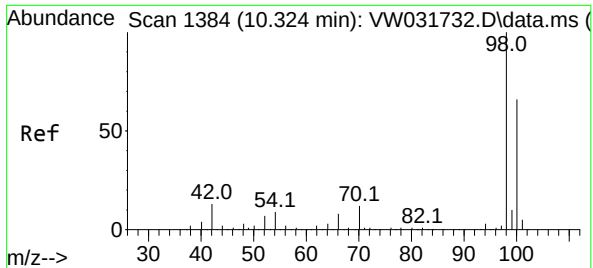
Tgt Ion:114 Resp: 386707
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.6
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.612 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion:113 Resp: 122669
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 16.1 13.8 20.6

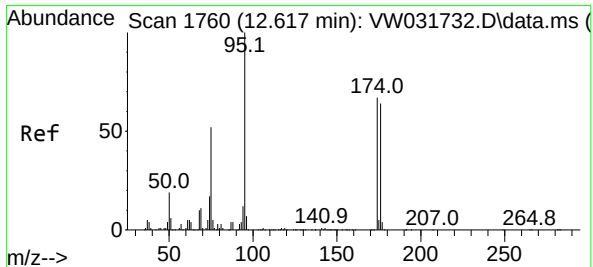
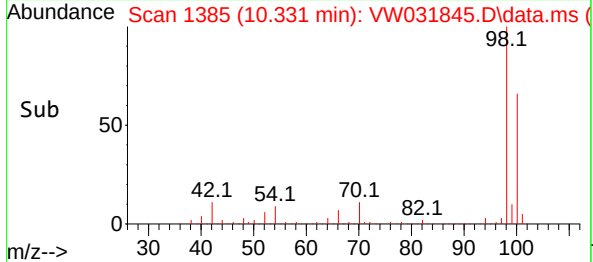
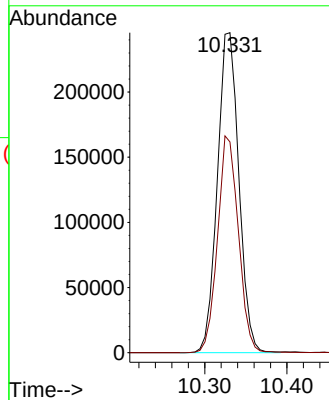
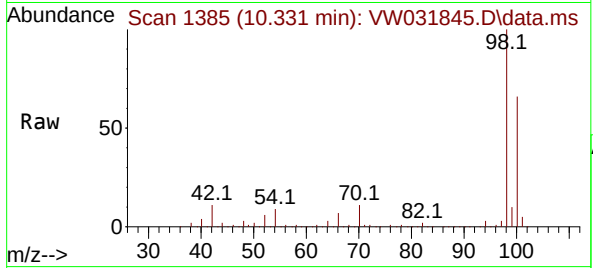




#50
Toluene-d8
Concen: 47.463 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

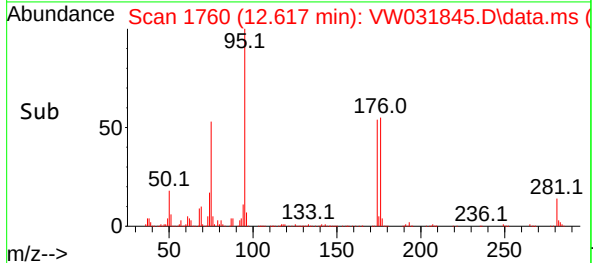
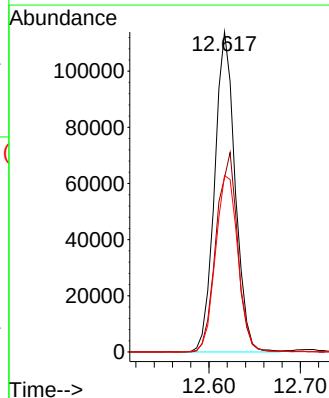
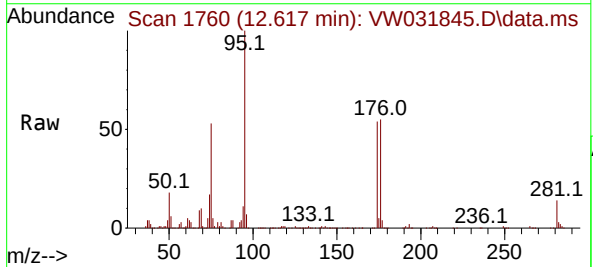
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

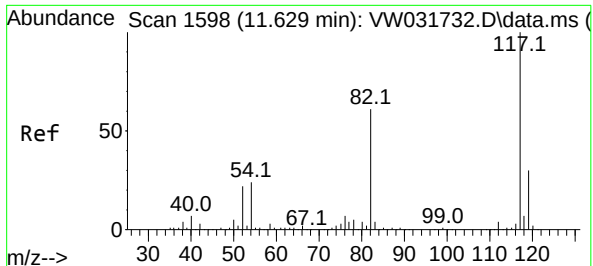
Tgt Ion: 98 Resp: 445707
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.532 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion: 95 Resp: 178085
Ion Ratio Lower Upper
95 100
174 65.0 0.0 133.8
176 60.7 0.0 126.0

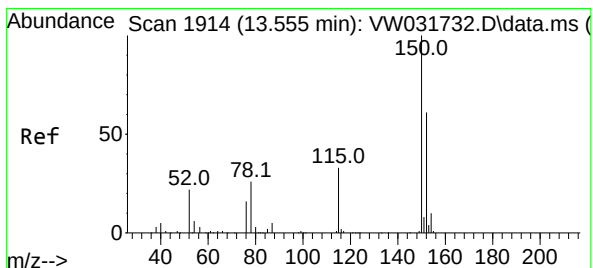
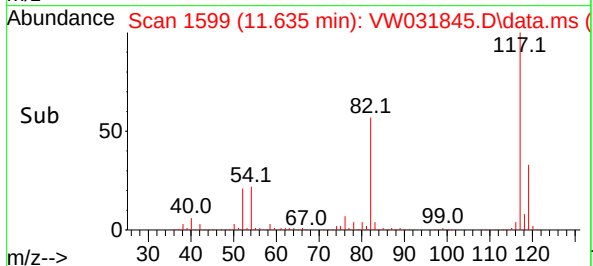
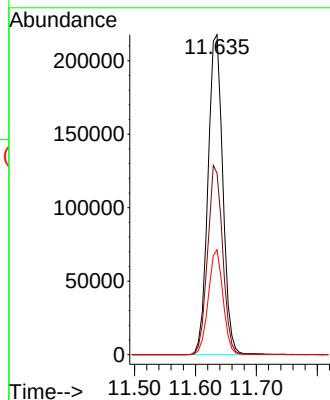
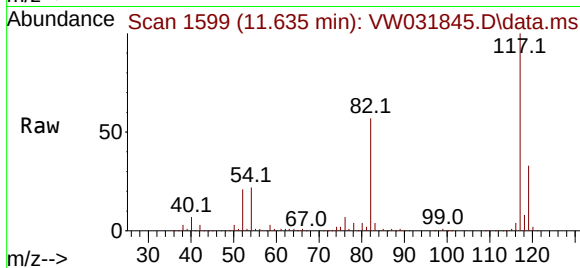




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

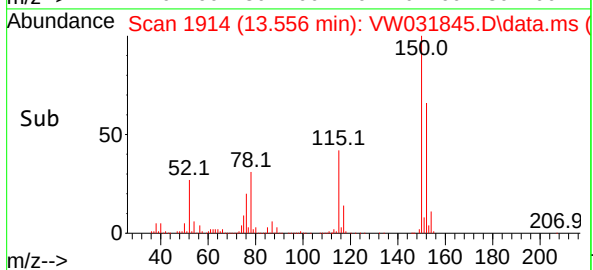
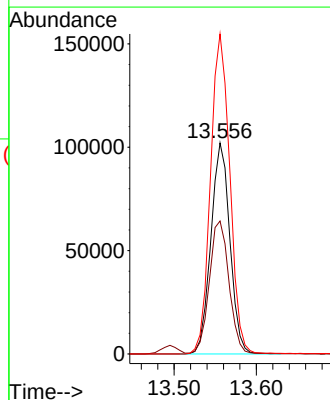
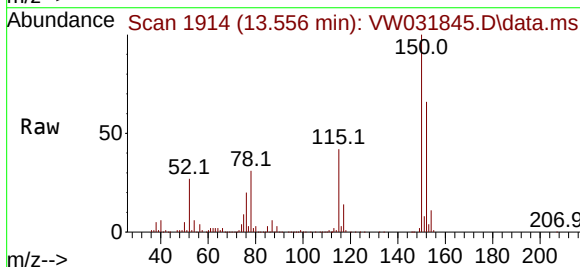
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	48.6	72.8
119	32.8	23.9	35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031845.D
Acq: 14 Jul 2025 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.9	95.7
150	153.9	0.0	356.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.240	379	386	395	rVB3	7097	21106	1.77%	0.305%
2	4.960	495	504	518	rBV2	6886	25527	2.14%	0.369%
3	7.904	974	987	991	rBV	166760	388916	32.55%	5.621%
4	7.965	991	997	1008	rVB	306239	676104	56.58%	9.771%
5	8.319	1047	1055	1066	rBV	171743	389862	32.63%	5.635%
6	8.855	1134	1143	1158	rBV	482038	950823	79.57%	13.742%
7	10.325	1377	1384	1395	rBV	662039	1194902	100.00%	17.269%
8	11.629	1591	1598	1608	rBV	677933	1171310	98.03%	16.928%
9	12.617	1750	1760	1770	rBV3	531554	964515	80.72%	13.940%
10	13.495	1897	1904	1908	rBV2	26067	43587	3.65%	0.630%
11	13.556	1908	1914	1926	rVB	648802	1049167	87.80%	15.163%
12	14.062	1992	1997	2002	rBV	12413	19996	1.67%	0.289%
13	15.543	2236	2240	2246	rVB2	15247	23354	1.95%	0.338%

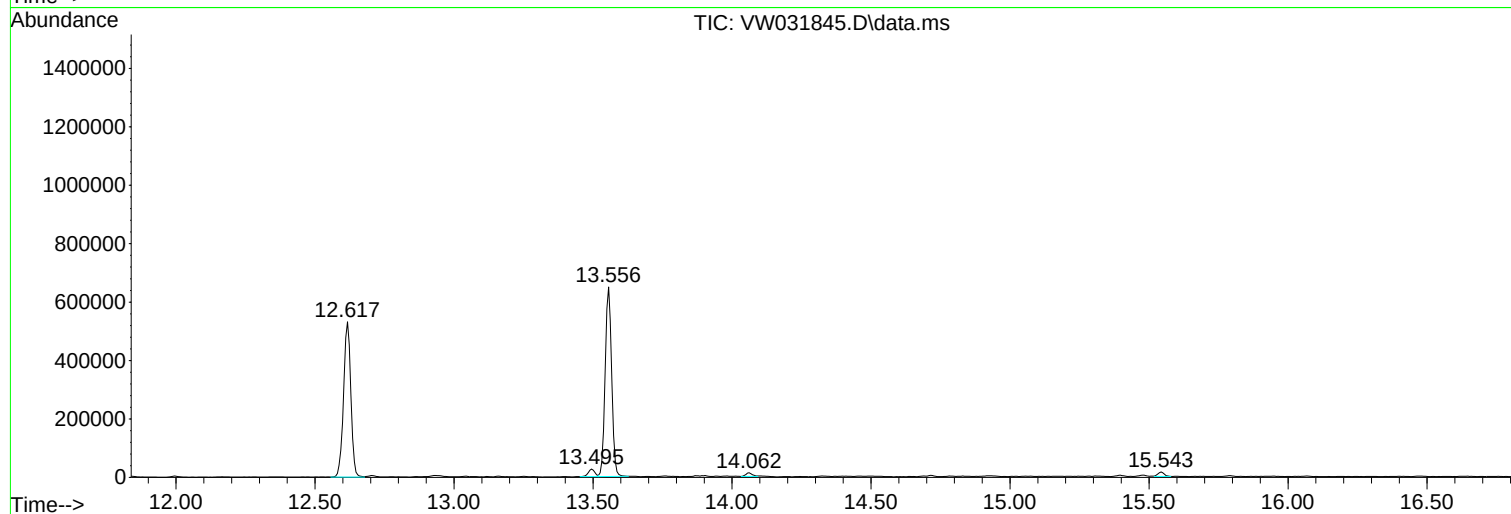
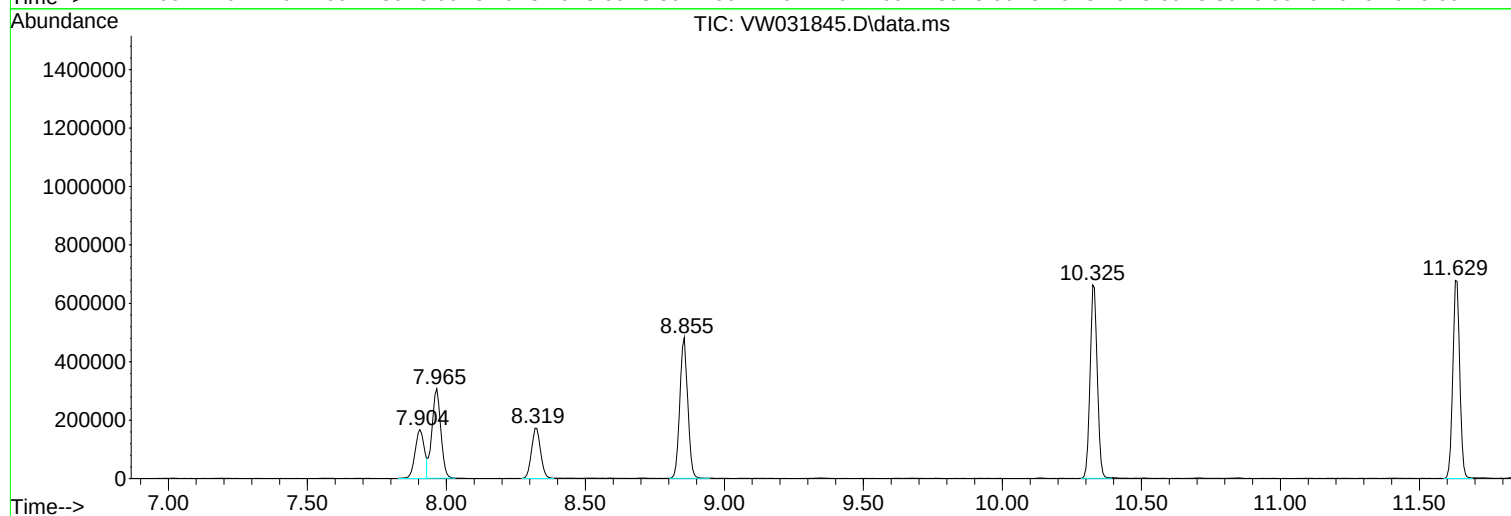
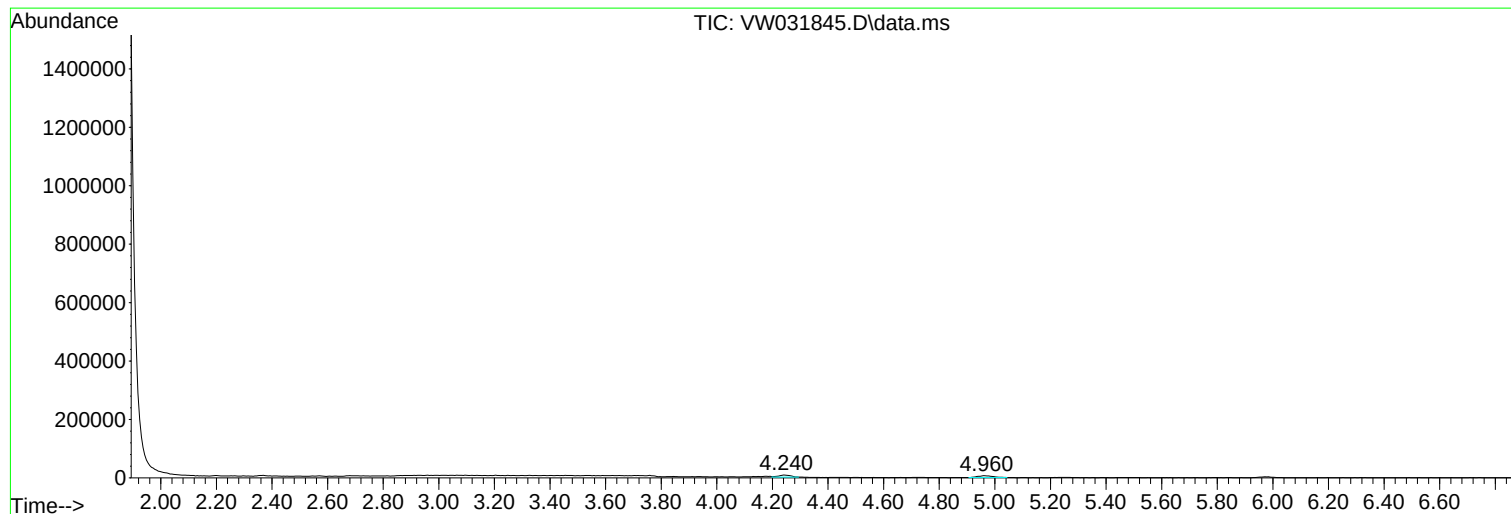
Sum of corrected areas: 6919169

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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\VW071425\
Data File : VW031845.D
Acq On : 14 Jul 2025 13:07
Operator : SY/MD
Sample : Q2592-01
Misc : 6.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL-20250711

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: PARS02
 Lab Code: ACE SDG No.: Q2592
 Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW031729.D	RRF010 = VW031730.D	RRF020 = VW031731.D	RRF050 = VW031732.D	RRF100 = VW031733.D	RRF150 = VW031734.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3
Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.6
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1
Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.9
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5
Bromochloromethane	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.7
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1
Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.6
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: PARS02
 Lab Code: ACE SDG No.: Q2592
 Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW031729.D		RRF010 = VW031730.D		RRF020 = VW031731.D			
		RRF050 = VW031732.D		RRF100 = VW031733.D		RRF150 = VW031734.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7	
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1	
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4	
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6	
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3	
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7	
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2	
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4	
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3	
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6	
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7	
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1	
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1	
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4	
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2	
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5	
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4	
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2	
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6	
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5	
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5	
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8	
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6	
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7	
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W063025S.M
 Title : SW846 8260
 Last Update : Tue Jul 01 03:35:17 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW031729.D 10 =VW031730.D 20 =VW031731.D 50 =VW031732.D 100 =VW031733.D 150 =VW031734.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.35
3) P	Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.13
4) C	Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4.02#
5) T	Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.94
6) T	Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.11
7) T	Trichlorofluor...	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.71
8) T	Diethyl Ether	0.399	0.413	0.383	0.356	0.343	0.340	0.372	8.22
9) T	1,1,2-Trichlor...	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.39
10) T	Methyl Iodide	0.854	0.846	0.880	0.816	0.814	0.821	0.839	3.11
11) T	Tert butyl alc...	0.043	0.046	0.042	0.047	0.043	0.045	0.044	4.04
12) CM	1,1-Dichloroet...	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.43#
13) T	Acrolein	0.072	0.086	0.082	0.083	0.078	0.078	0.080	6.20
14) T	Allyl chloride	0.883	0.905	0.938	0.896	0.919	0.945	0.914	2.65
15) T	Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.68
16) T	Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.84
17) T	Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.54
18) T	Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.57
19) T	Methyl tert-bu...	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.27
20) T	Methylene Chlo...	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.75
21) T	trans-1,2-Dich...	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.92
22) T	Diisopropyl ether	1.706	1.791	1.872	1.795	1.764	1.769	1.783	3.03
23) T	Vinyl Acetate	1.111	1.178	1.240	1.256	1.246	1.276	1.218	5.09
24) P	1,1-Dichloroet...	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.07
25) T	2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.56
26) T	2,2-Dichloropr...	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.18
27) T	cis-1,2-Dichlo...	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.52
28) T	Bromochloromet...	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.68
29) T	Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.55
30) C	Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.17#
31) T	Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.87
32) T	1,1,1-Trichlor...	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.09
33) S	1,2-Dichloroet...	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.63
36) T	1,1-Dichloropr...	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3.03
37) T	Ethyl Acetate	0.314	0.299	0.305	0.303	0.281	0.285	0.298	4.14
38) T	Carbon Tetrach...	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.16
39) T	Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.59
40) TM	Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.36
41) T	Methacrylonitrile	0.151	0.151	0.153	0.174	0.161	0.167	0.160	6.03
42) TM	1,2-Dichloroet...	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.69
43) T	Isopropyl Acetate	0.480	0.509	0.516	0.535	0.514	0.527	0.513	3.71
44) TM	Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.07
45) C	1,2-Dichloropr...	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.67#
46) T	Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.08
47) T	Bromodichlorom...	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.39
48) T	Methyl methacr...	0.230	0.266	0.246	0.261	0.255	0.256	0.252	5.06
49) T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.002	0.003	7.16
50) S	Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.67
51) T	4-Methyl-2-Pen...	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.54
52) CM	Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.67#
53) T	t-1,3-Dichloro...	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.74
54) T	cis-1,3-Dichlo...	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.09
55) T	1,1,2-Trichlor...	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4.04
56) T	Ethyl methacry...	0.355	0.366	0.381	0.410	0.402	0.410	0.387	6.08

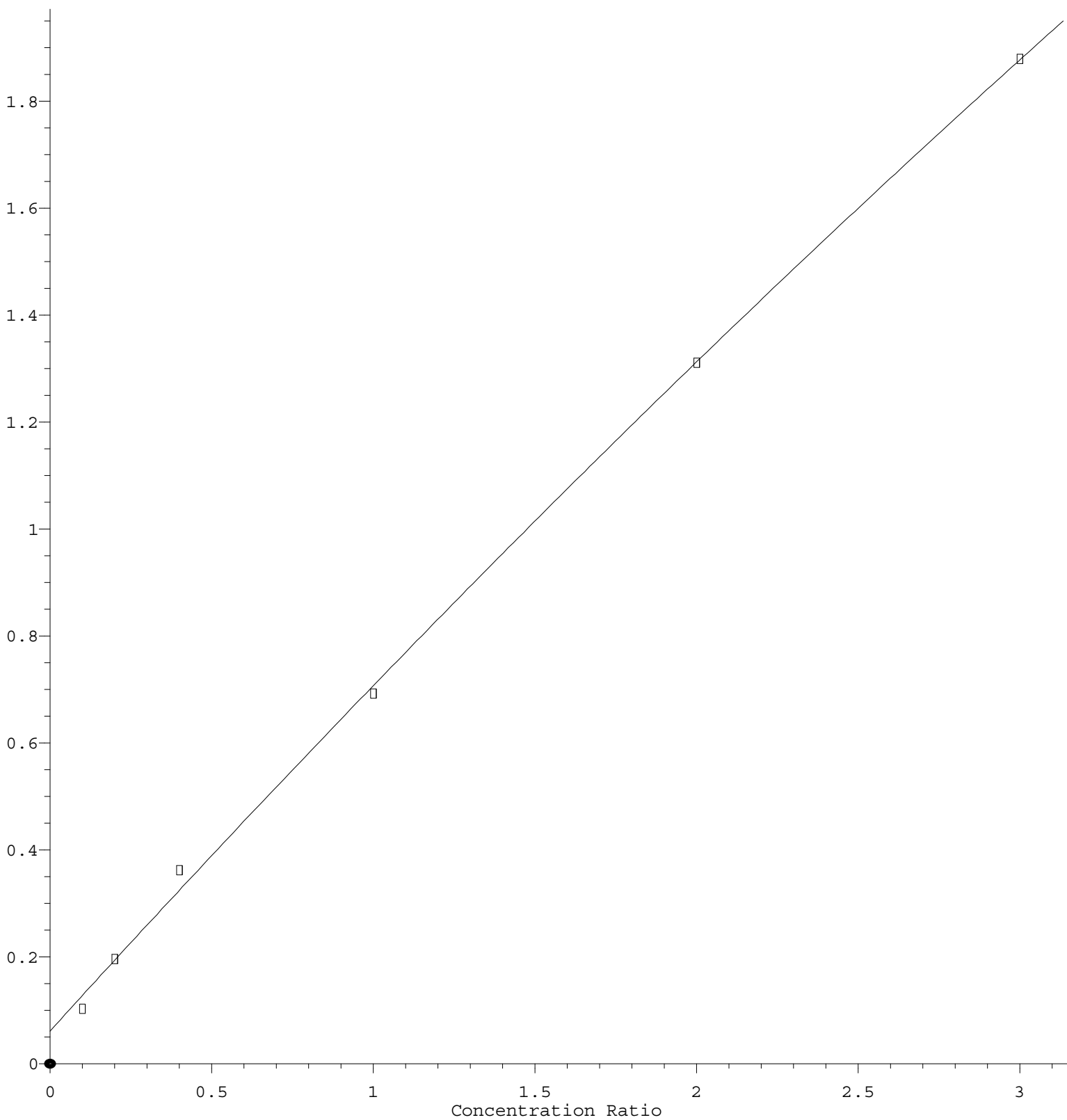
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W063025S.M

57)	T	1,3-Dichloropr...	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.47
58)	T	2-Chloroethyl ...	0.196	0.199	0.220	0.225	0.223	0.216	0.213	5.93
59)	T	2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.63
60)	T	Dibromochlorom...	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3.04
61)	T	1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.66
62)	S	4-Bromofluorob...	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.38
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.15
65)	PM	Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.41
66)	T	1,1,1,2-Tetrac...	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2.00
67)	C	Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.33#
68)	T	m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.58
69)	T	o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.72
70)	T	Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.10
71)	P	Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.38
74)	T	N-amyl acetate	0.934	0.970	0.953	1.067	1.096	1.132	1.025	8.11
75)	P	1,1,2,2-Tetrac...	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.16
76)	T	1,2,3-Trichlor...	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.56
77)	T	Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.72
78)	T	n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.74
79)	T	2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.14
80)	T	1,3,5-Trimethy...	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.35
81)	T	trans-1,4-Dich...	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.55
82)	T	4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.43
83)	T	tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.73
84)	T	1,2,4-Trimethy...	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.20
85)	T	sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.90
86)	T	p-Isopropyltol...	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.10
87)	T	1,3-Dichlorobe...	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.55
88)	T	1,4-Dichlorobe...	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.40
89)	T	n-Butylbenzene	3.126	3.110	3.134	3.176	3.389	3.511	3.241	5.17
90)	T	Hexachloroethane	0.573	0.567	0.566	0.592	0.638	0.675	0.602	7.45
91)	T	1,2-Dichlorobe...	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.20
92)	T	1,2-Dibromo-3-...	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.55
93)	T	1,2,4-Trichlor...	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5.03
94)	T	Hexachlorobuta...	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.67
95)	T	Naphthalene	2.185	2.107	2.155	2.395	2.610	2.653	2.351	10.17
96)	T	1,2,3-Trichlor...	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5.04

(#) = Out of Range

Methylene Chloride

Response Ratio



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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 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 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.180%#		
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.880%#		
50) Toluene-d8	10.331	98	46017	4.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.220%#		
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l	100
3) Chloromethane	2.247	50	9357	4.977	ug/l	98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l	98
5) Bromomethane	2.820	94	9829	5.092	ug/l #	78
6) Chloroethane	2.966	64	8474	5.048	ug/l #	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l	95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l	98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l	98
11) Tert butyl alcohol	5.222	59	4942m	24.274	ug/l	
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l	93
13) Acrolein	3.936	56	8223	22.472	ug/l #	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l	98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l	97
16) Acetone	4.161	43	27204m	33.285	ug/l	
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l #	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l	94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l	98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l #	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l	100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l	98
25) 2-Butanone	7.197	43	25644	24.268	ug/l	96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l	99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l #	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l	99
30) Chloroform	7.691	83	28162	5.007	ug/l	97
31) Cyclohexane	7.965	56	26905	5.750	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l	96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l	98
37) Ethyl Acetate	7.276	43	12878m	5.265	ug/l	
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l	97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l	94
40) Benzene	8.337	78	57889	5.046	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 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 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724	ug/l #	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194	ug/l	99
43) Isopropyl Acetate	8.441	43	19704	4.673	ug/l	97
44) Trichloroethene	9.105	130	14112	4.928	ug/l	98
45) 1,2-Dichloropropane	9.374	63	14286	5.152	ug/l	95
46) Dibromomethane	9.465	93	9383	5.242	ug/l	98
47) Bromodichloromethane	9.654	83	20888	4.976	ug/l	98
48) Methyl methacrylate	9.441	41	9461	4.563	ug/l	98
49) 1,4-Dioxane	9.471	88	2322m	121.843	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143	ug/l	100
52) Toluene	10.392	92	36200	4.928	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239	ug/l	95
56) Ethyl methacrylate	10.648	69	14584	4.584	ug/l	97
57) 1,3-Dichloropropane	10.934	76	21432	5.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989	ug/l	99
59) 2-Hexanone	10.971	43	37987	23.125	ug/l	96
60) Dibromochloromethane	11.129	129	13506	4.817	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11844	5.046	ug/l	99
64) Tetrachloroethene	10.867	164	11991	5.068	ug/l	95
65) Chlorobenzene	11.654	112	40816	5.114	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935	ug/l	96
67) Ethyl Benzene	11.733	91	67293	4.862	ug/l	99
68) m/p-Xylenes	11.837	106	49892	9.378	ug/l	97
69) o-Xylene	12.166	106	22994	4.668	ug/l	98
70) Styrene	12.178	104	38573	4.530	ug/l	96
71) Bromoform	12.349	173	7112	4.688	ug/l #	96
73) Isopropylbenzene	12.465	105	62409	4.790	ug/l	98
74) N-amyl acetate	12.269	43	15998	4.555	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	11866m	5.361	ug/l	
77) Bromobenzene	12.745	156	15131	5.207	ug/l	89
78) n-propylbenzene	12.800	91	74850	4.797	ug/l	99
79) 2-Chlorotoluene	12.891	91	46542	4.954	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408	ug/l #	81
82) 4-Chlorotoluene	12.989	91	50283	5.098	ug/l	100
83) tert-Butylbenzene	13.202	119	43370	4.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788	ug/l	97
85) sec-Butylbenzene	13.379	105	67046	4.835	ug/l	99
86) p-Isopropyltoluene	13.489	119	53492	4.681	ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211	ug/l	92
89) n-Butylbenzene	13.818	91	53555	4.823	ug/l	97
90) Hexachloroethane	14.086	117	9816	4.761	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030	ug/l	97
94) Hexachlorobutadiene	15.226	225	8122	5.120	ug/l	88
95) Naphthalene	15.360	128	37422	4.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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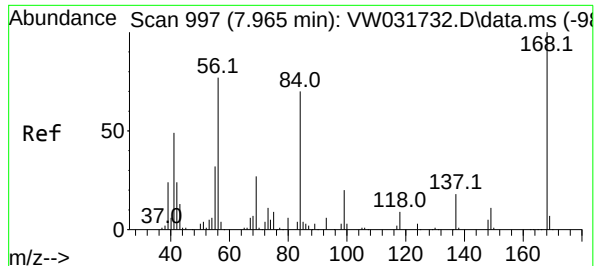
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations

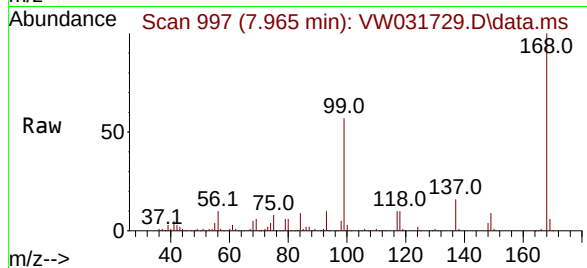
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

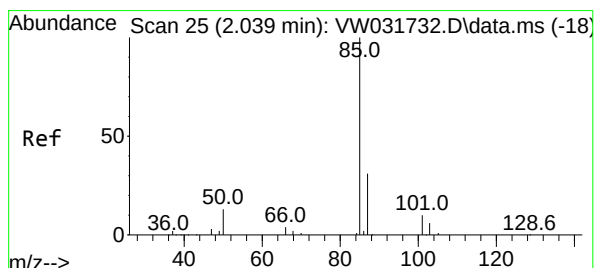
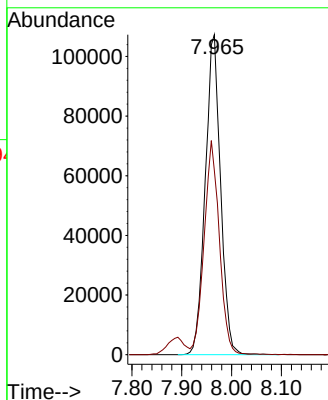
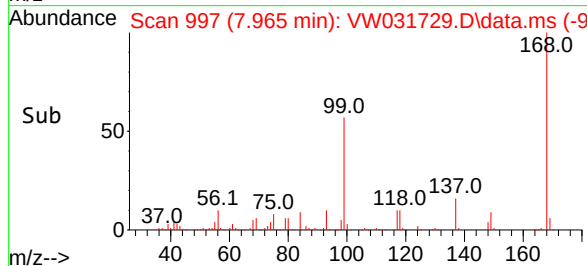
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 22898
Ion Ratio Lower Upper
168 100
99 57.4 49.4 74.2

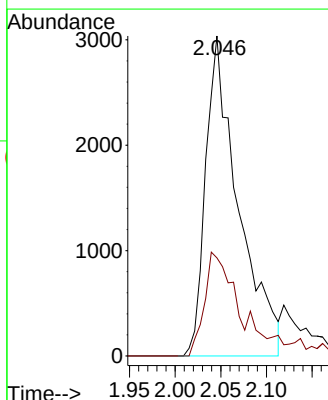
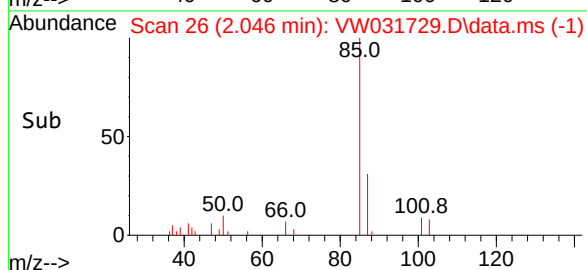
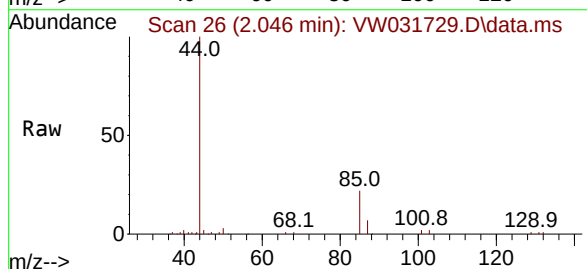
Manual Integrations
APPROVED

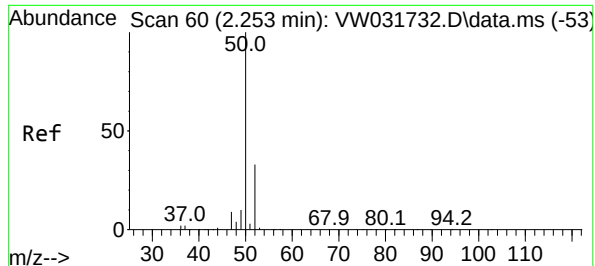
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 4.849 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 85 Resp: 7562
Ion Ratio Lower Upper
85 100
87 30.7 15.4 46.2





#3

Chloromethane

Concen: 4.977 ug/l

RT: 2.247 min Scan# 50

Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 935

Ion Ratio Lower Upper

50 100

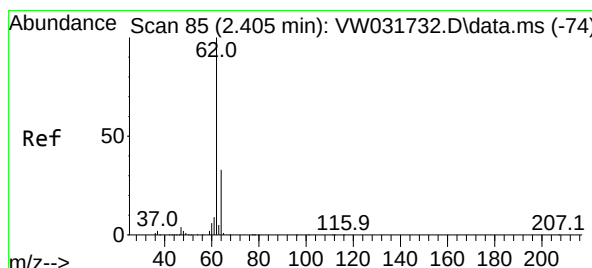
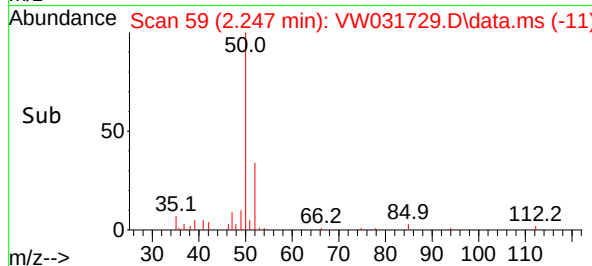
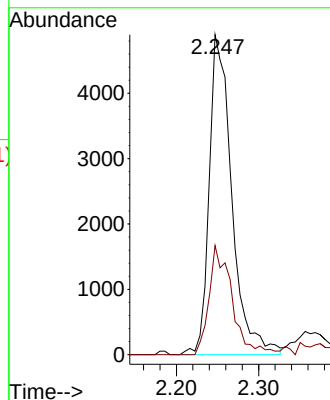
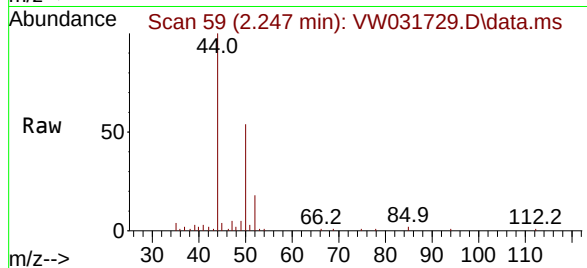
52 34.1 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#4

Vinyl Chloride

Concen: 4.844 ug/l

RT: 2.405 min Scan# 85

Delta R.T. 0.000 min

Lab File: VW031729.D

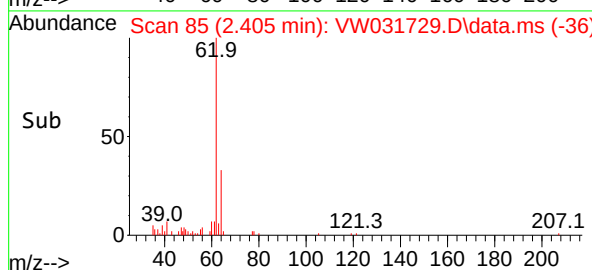
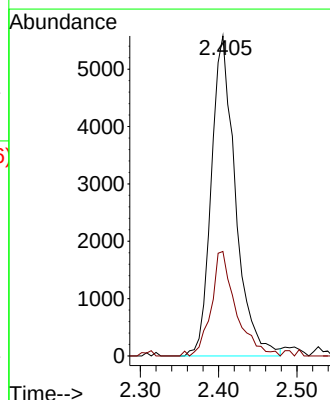
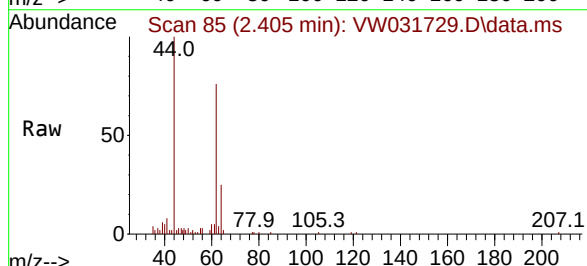
Acq: 30 Jun 2025 09:54

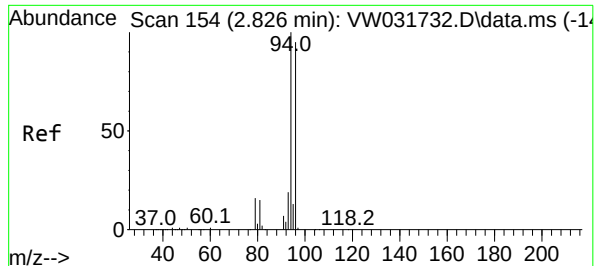
Tgt Ion: 62 Resp: 11970

Ion Ratio Lower Upper

62 100

64 32.6 26.8 40.2





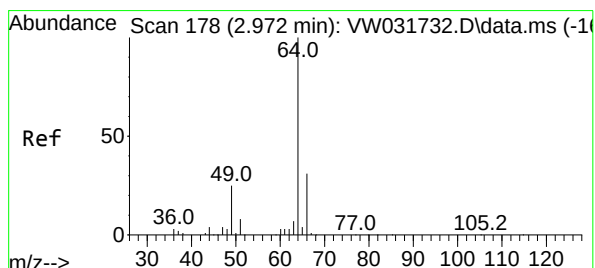
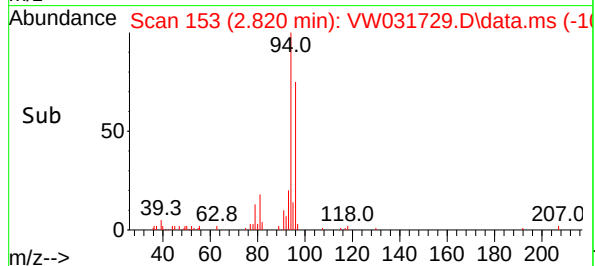
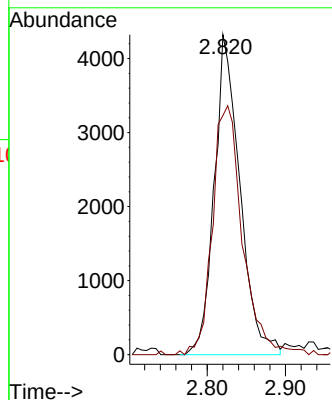
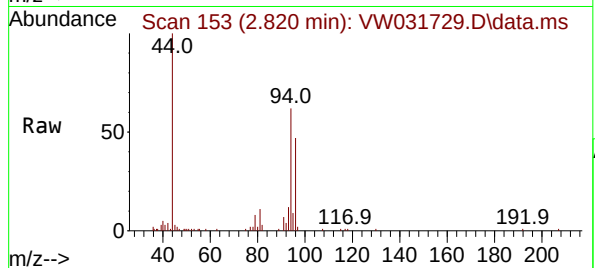
#5
Bromomethane
Concen: 5.092 ug/l
RT: 2.820 min Scan# 154
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 9829
Ion Ratio Lower Upper
94 100
96 73.5 75.6 113.4

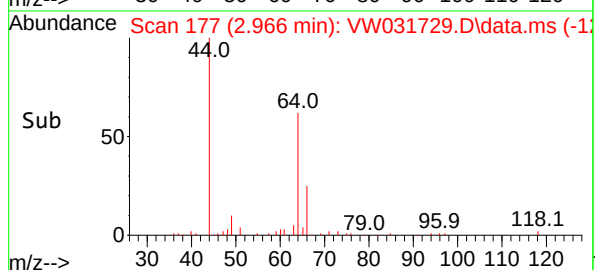
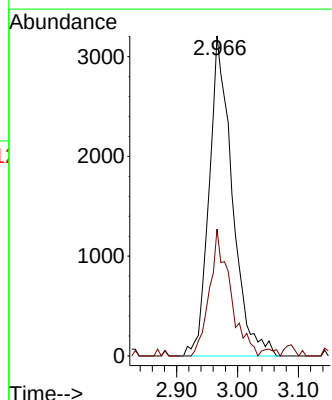
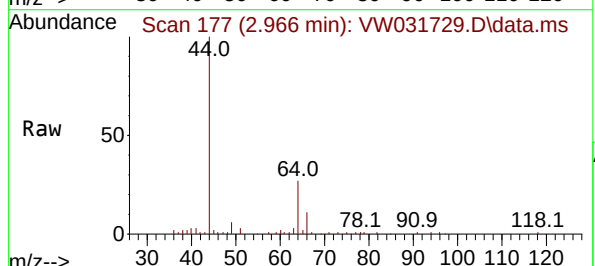
Manual Integrations
APPROVED

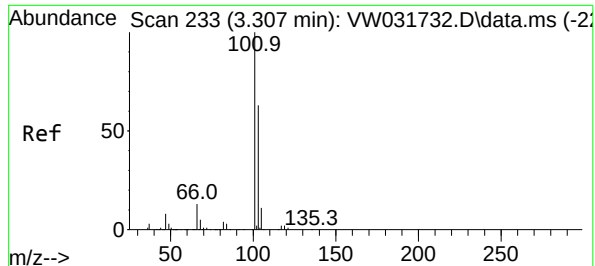
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#6
Chloroethane
Concen: 5.048 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 64 Resp: 8474
Ion Ratio Lower Upper
64 100
66 39.7 24.5 36.7





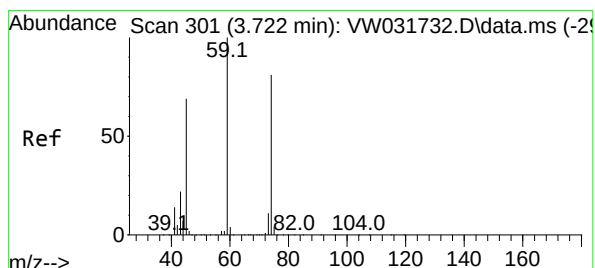
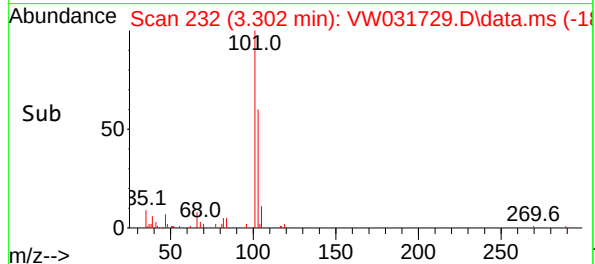
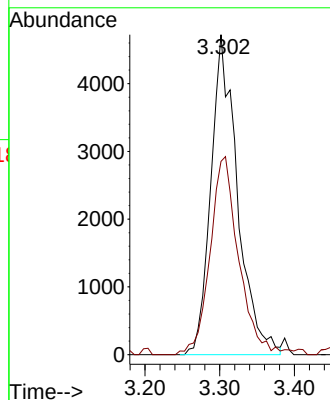
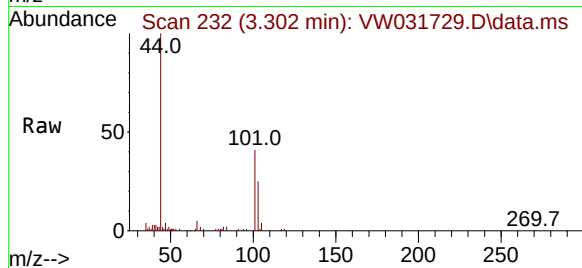
#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.302 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1165
Ion Ratio Lower Upper
101 100
103 59.3 50.2 75.4

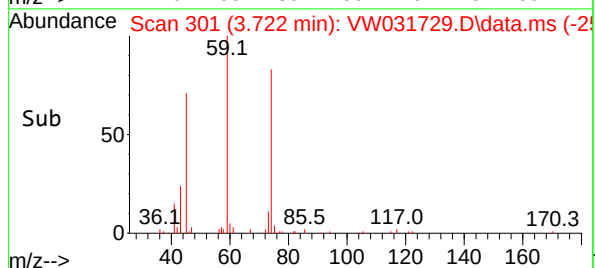
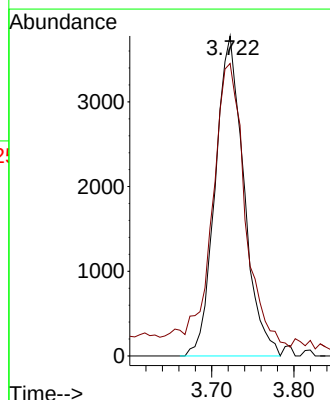
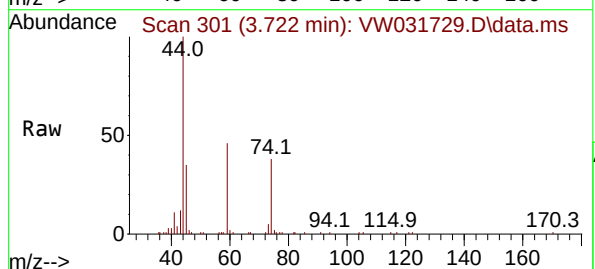
Manual Integrations
APPROVED

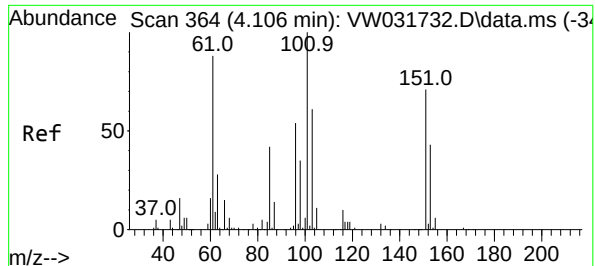
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 5.354 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 74 Resp: 9130
Ion Ratio Lower Upper
74 100
45 102.7 43.9 131.7





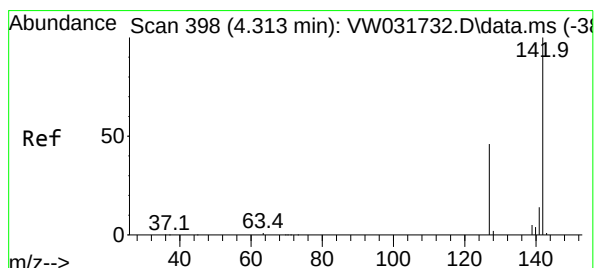
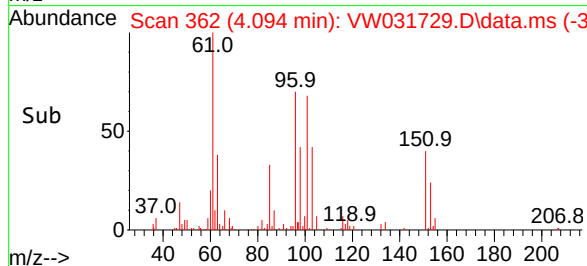
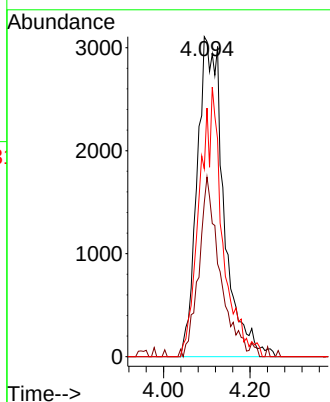
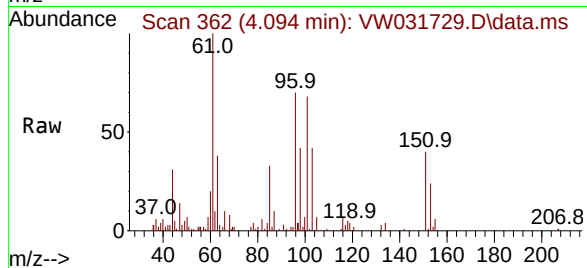
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.094 min Scan# 362
Delta R.T. -0.012 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1321
Ion Ratio Lower Upper
101 100
85 44.6 35.6 53.4
151 73.8 56.8 85.2

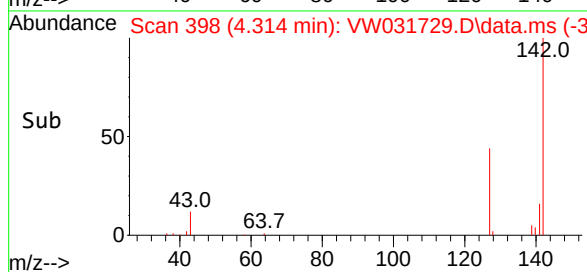
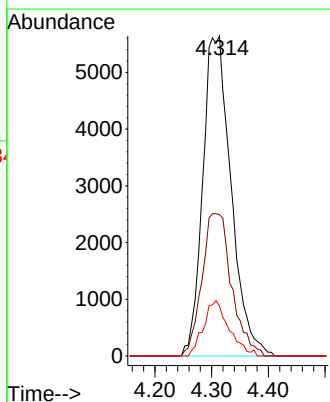
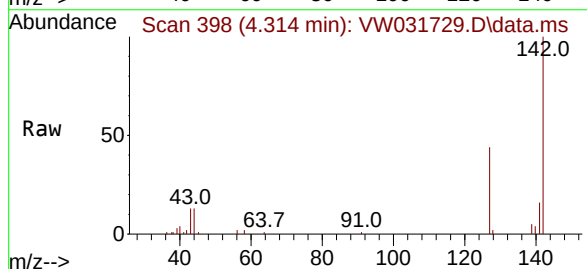
Manual Integrations
APPROVED

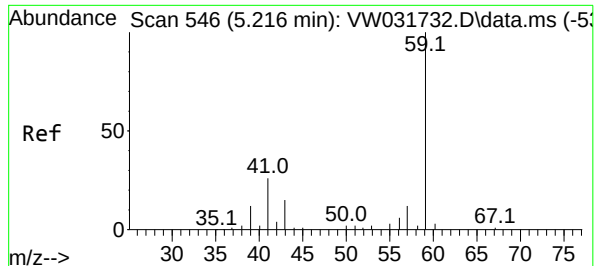
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 5.093 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:142 Resp: 19559
Ion Ratio Lower Upper
142 100
127 46.5 37.9 56.9
141 15.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 24.274 ug/l m

RT: 5.222 min Scan# 54

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 494

Ion Ratio Lower Upper

59 100

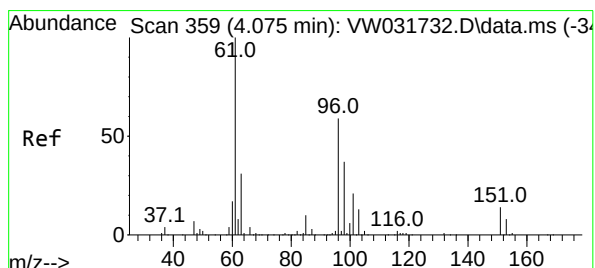
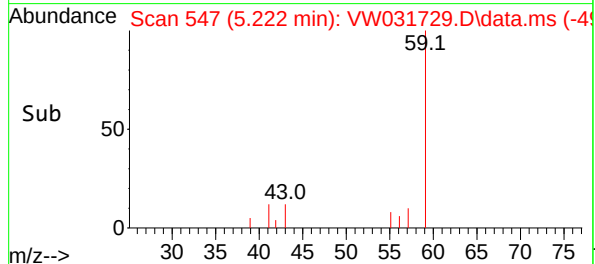
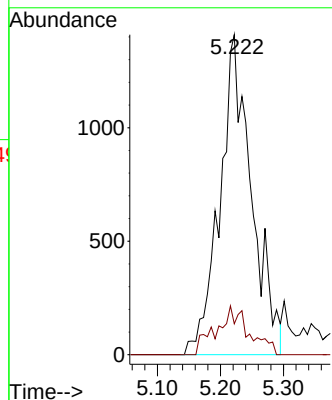
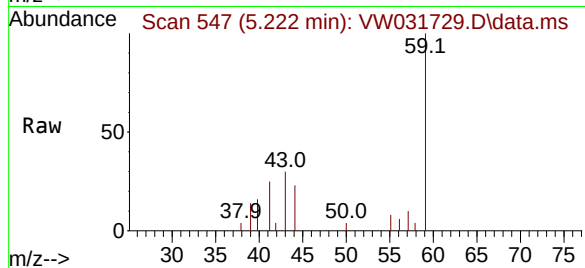
57 12.2 9.5 14.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#12

1,1-Dichloroethene

Concen: 5.055 ug/l

RT: 4.082 min Scan# 360

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

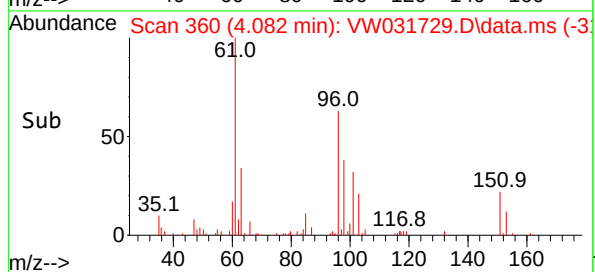
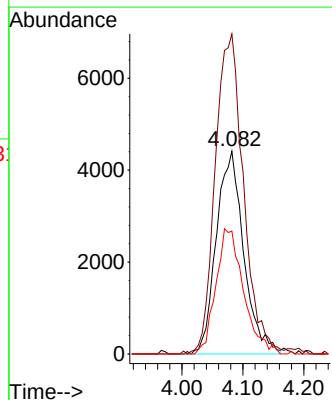
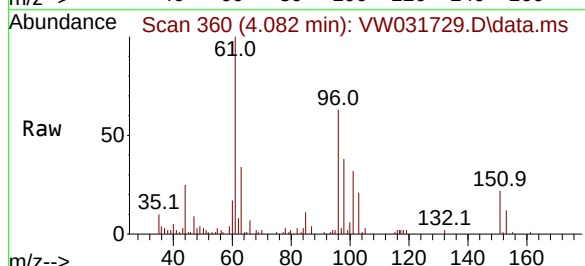
Tgt Ion: 96 Resp: 13793

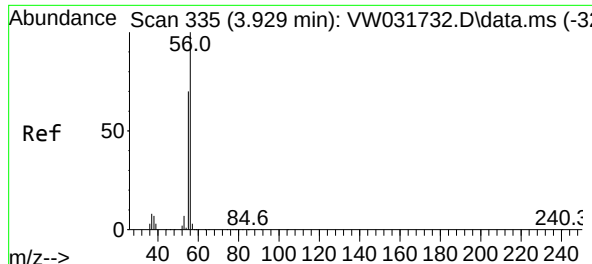
Ion Ratio Lower Upper

96 100

61 157.8 135.8 203.8

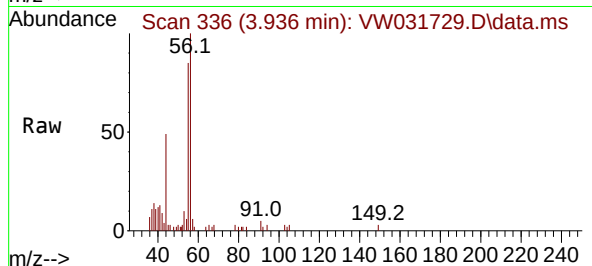
98 60.6 50.4 75.6





#13
Acrolein
Concen: 22.472 ug/l
RT: 3.936 min Scan# 336
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

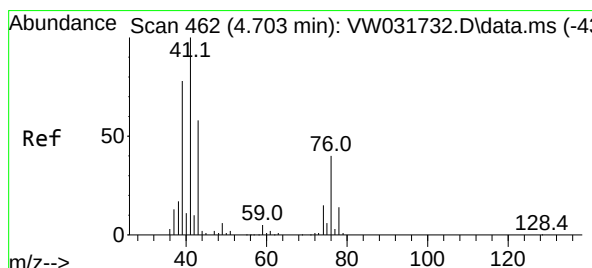
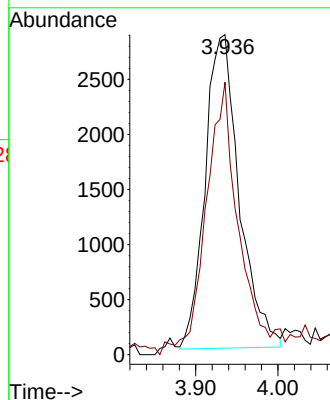
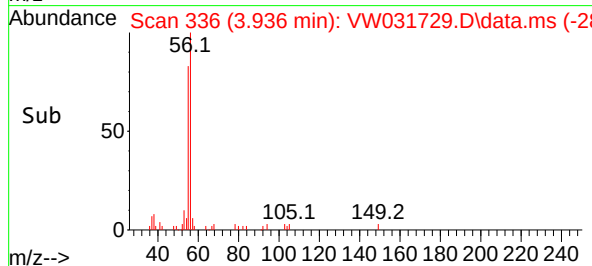
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
55 81.7 54.0 81.0

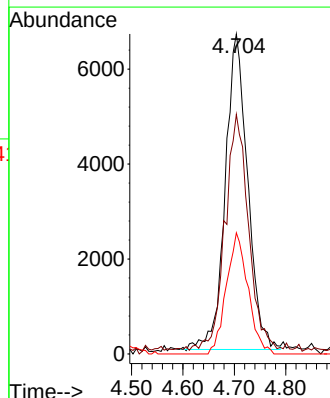
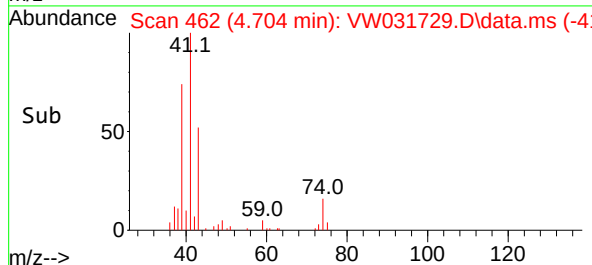
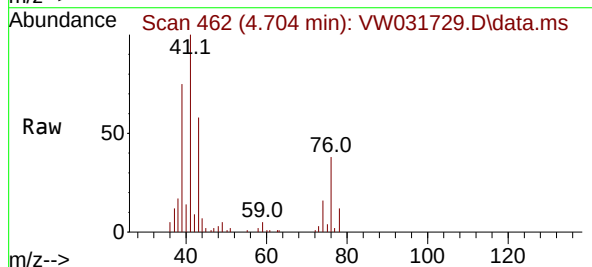
Manual Integrations
APPROVED

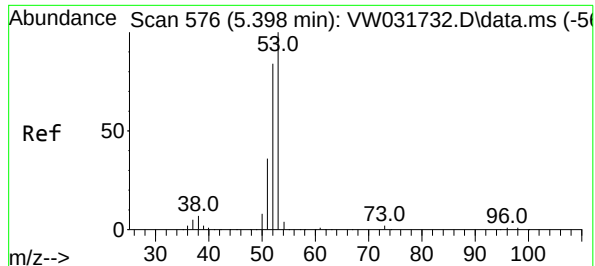
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#14
Allyl chloride
Concen: 4.828 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 20213
Ion Ratio Lower Upper
41 100
39 77.9 60.7 91.1
76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 24.197 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

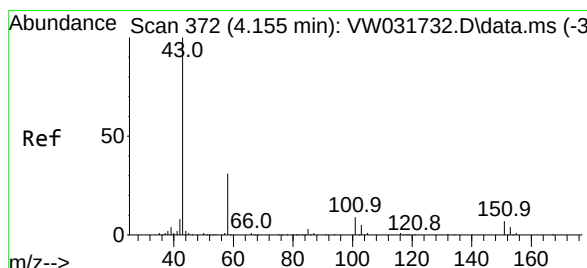
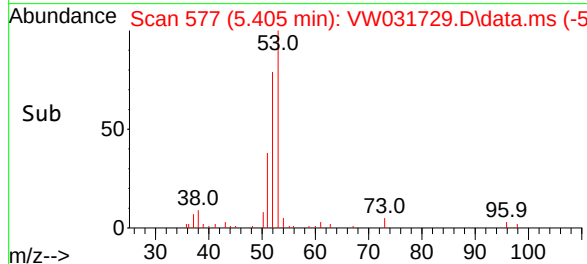
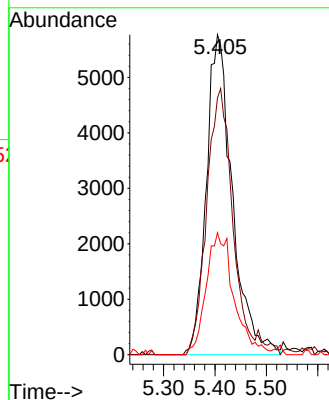
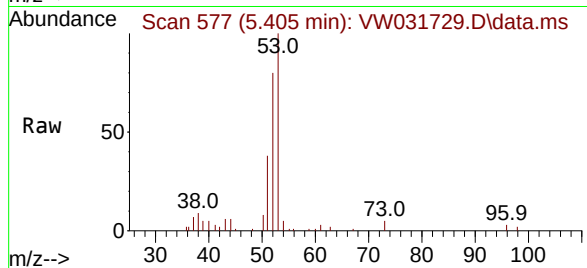
VSTDIC005

Tgt Ion:	53	Resp:	2029
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	40.7	29.9	44.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 33.285 ug/l m

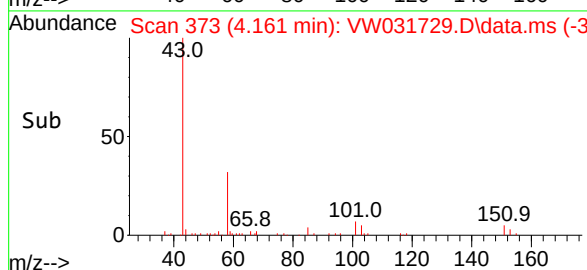
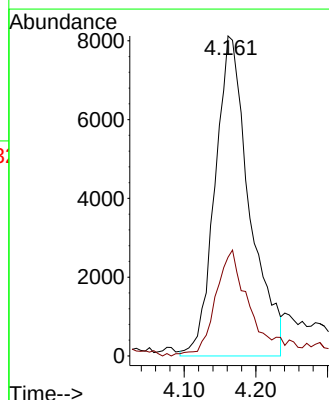
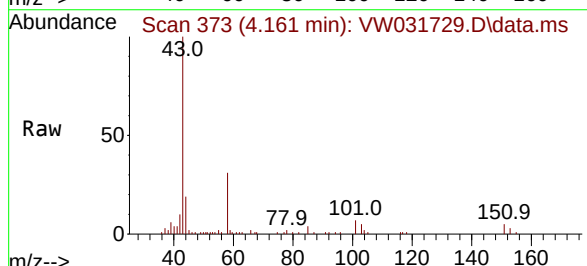
RT: 4.161 min Scan# 373

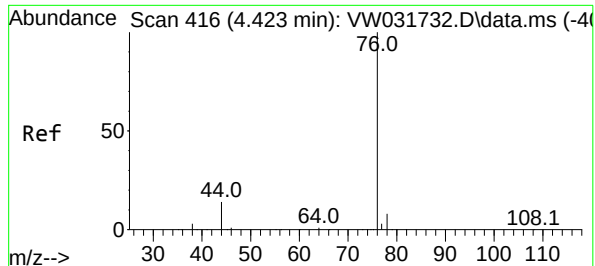
Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	43	Resp:	27204
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 4.928 ug/l

RT: 4.417 min Scan# 415

Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 35984

Ion Ratio Lower Upper

76 100

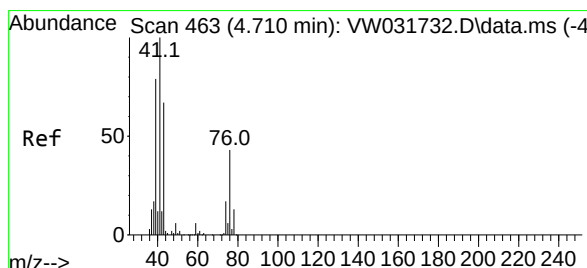
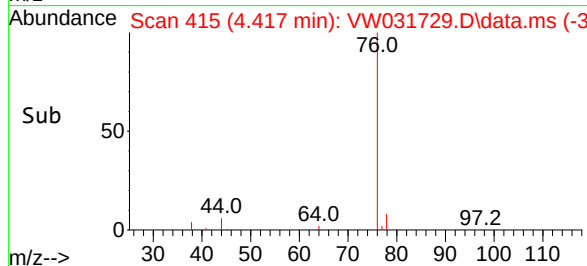
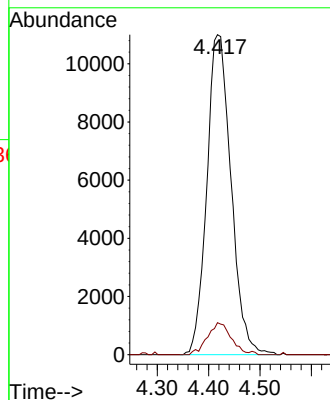
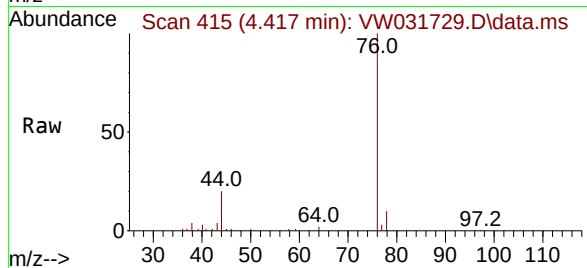
78 10.0 6.6 10.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#18

Methyl Acetate

Concen: 5.326 ug/l

RT: 4.710 min Scan# 463

Delta R.T. 0.000 min

Lab File: VW031729.D

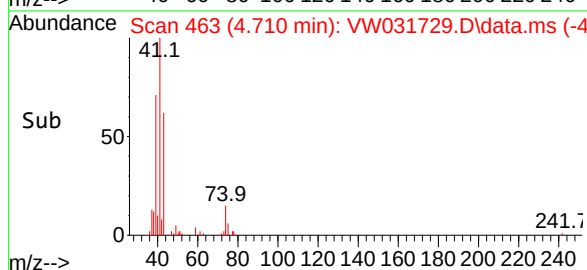
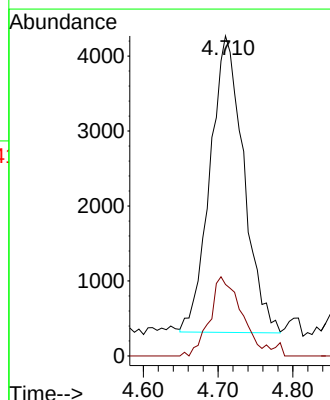
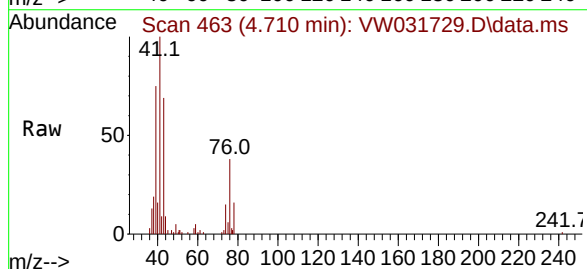
Acq: 30 Jun 2025 09:54

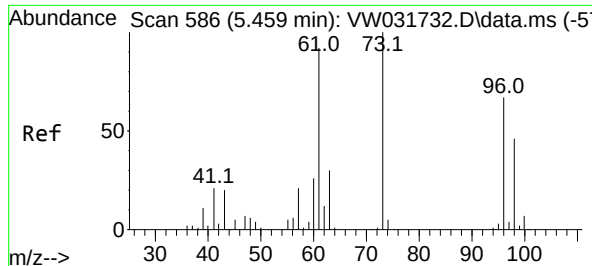
Tgt Ion: 43 Resp: 12364

Ion Ratio Lower Upper

43 100

74 26.3 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 4.979 ug/l

RT: 5.466 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 23058

Ion Ratio Lower Upper

73 100

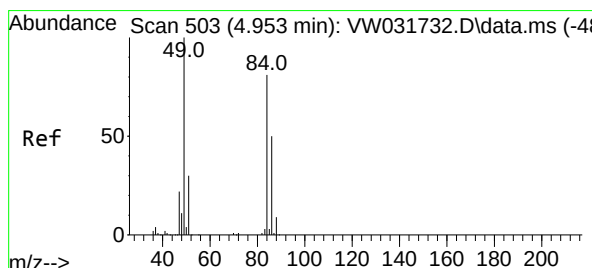
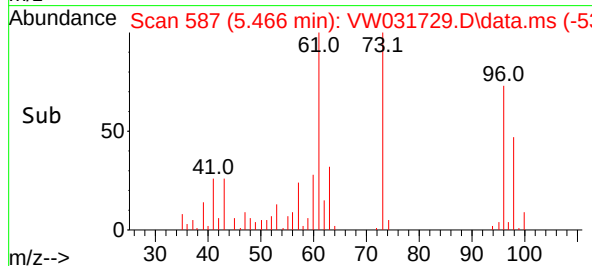
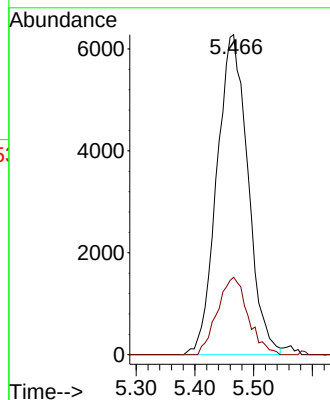
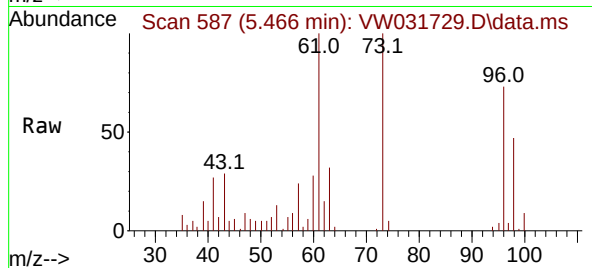
57 24.2 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 3.124 ug/l

RT: 4.948 min Scan# 502

Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion: 84 Resp: 23553

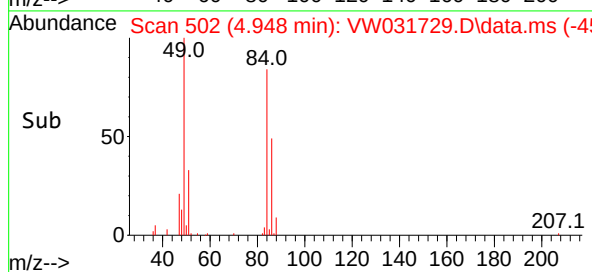
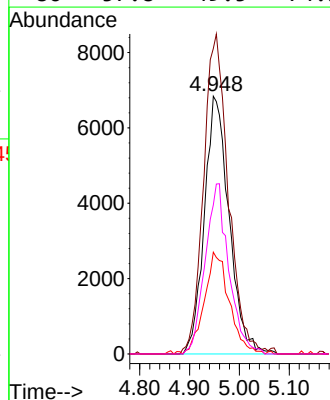
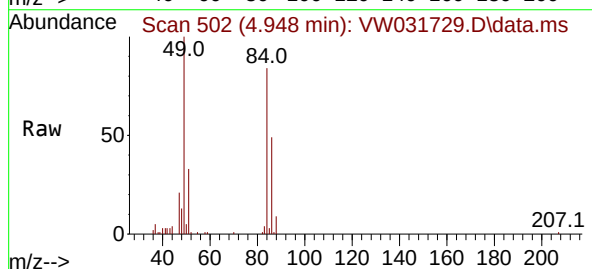
Ion Ratio Lower Upper

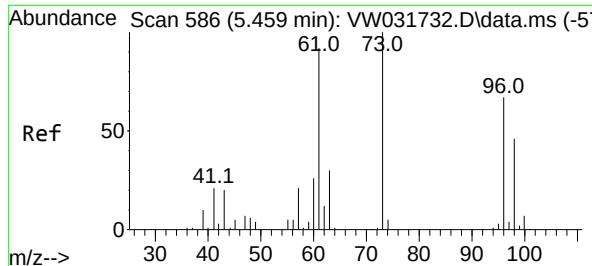
84 100

49 118.5 98.2 147.4

51 39.4 29.8 44.8

86 57.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.015 ug/l

RT: 5.466 min Scan# 586

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1454

Ion Ratio Lower Upper

96 100

61 136.4 109.8 164.6

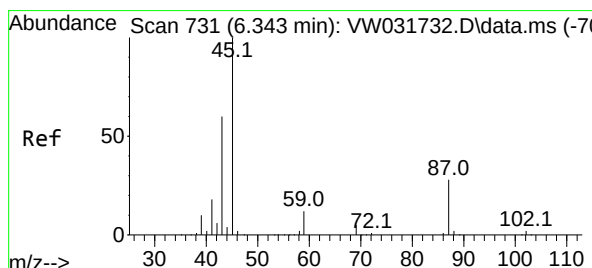
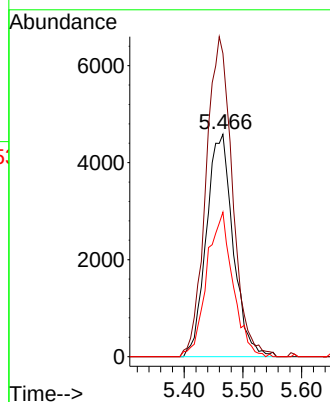
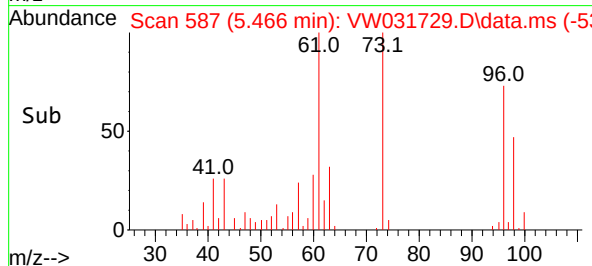
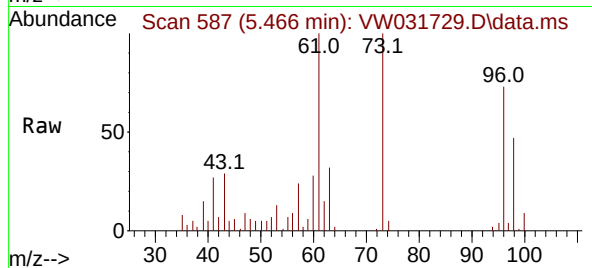
98 65.0 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 4.784 ug/l

RT: 6.344 min Scan# 731

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion: 45 Resp: 39057

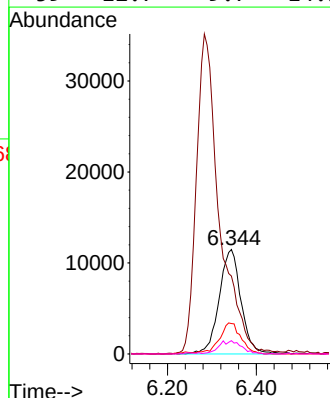
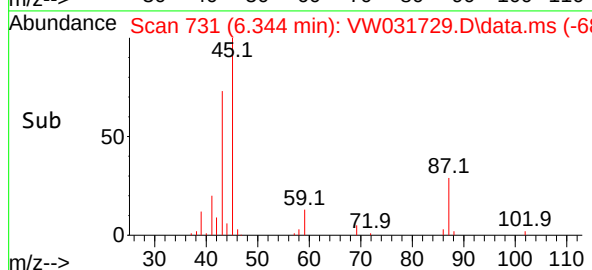
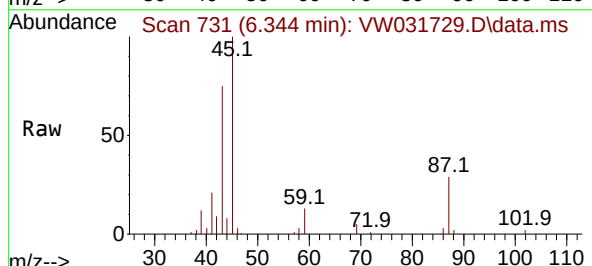
Ion Ratio Lower Upper

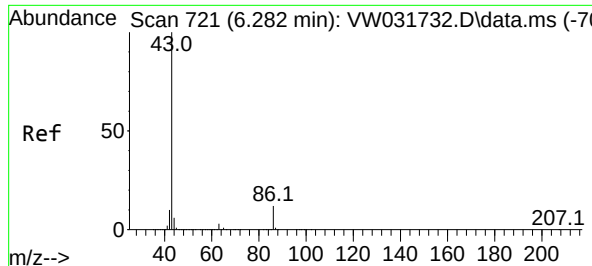
45 100

43 72.9 48.3 72.5#

87 29.1 22.6 34.0

59 12.7 9.7 14.5





#23

Vinyl Acetate

Concen: 22.799 ug/l

RT: 6.283 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 127140

Ion Ratio Lower Upper

43

100

86

11.6

9.2

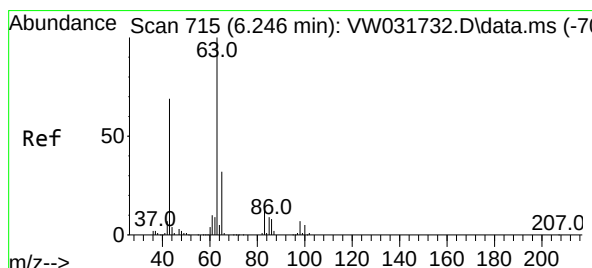
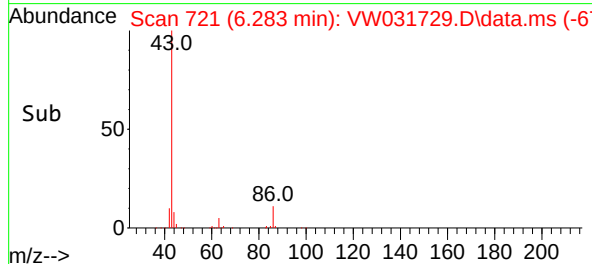
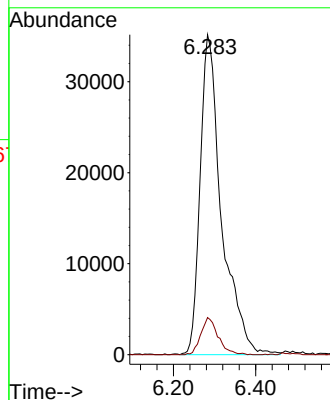
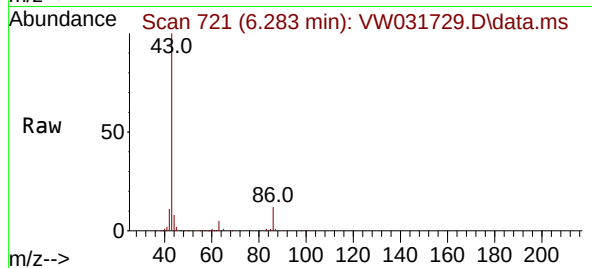
13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 4.992 ug/l

RT: 6.252 min Scan# 716

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 26423

Ion Ratio Lower Upper

63

100

98

7.6

3.5

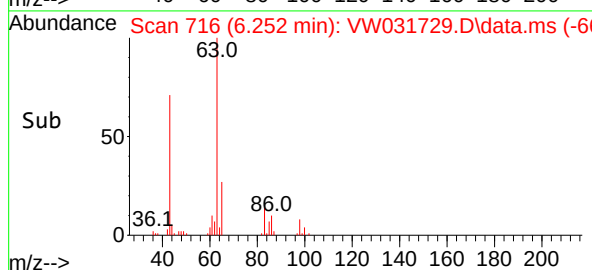
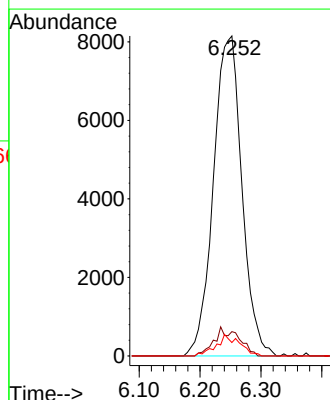
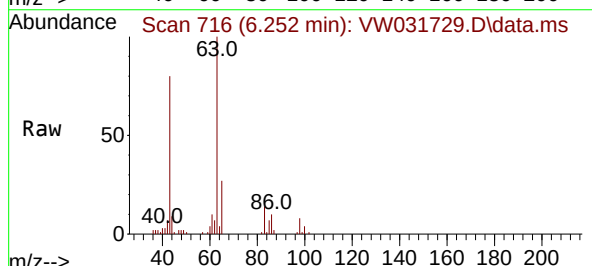
10.6

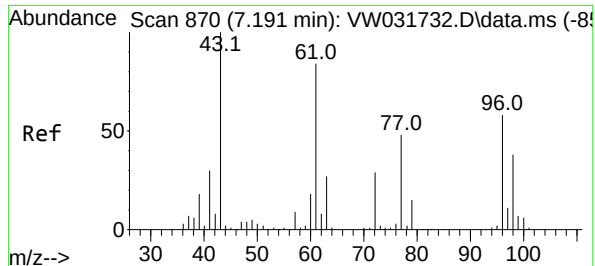
100

4.2

2.5

7.5





#25

2-Butanone

Concen: 24.268 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 2564

Ion Ratio Lower Upper

43 100

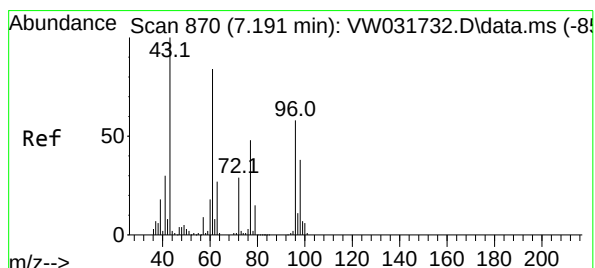
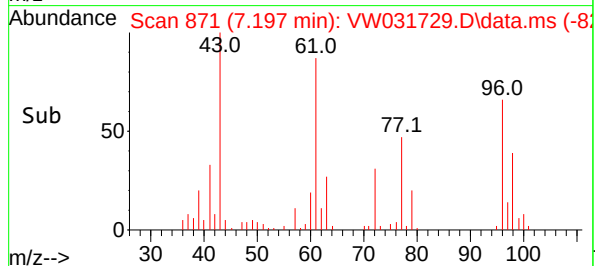
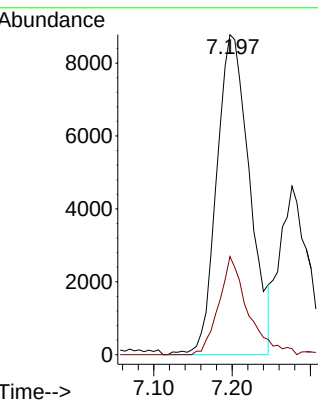
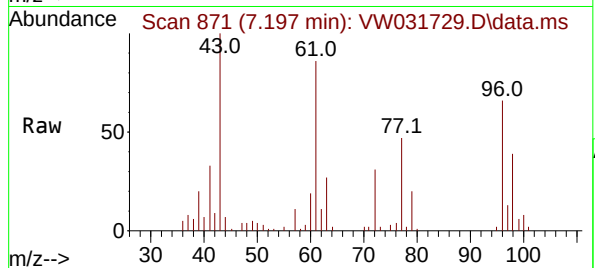
72 30.7 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#26

2,2-Dichloropropane

Concen: 5.140 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031729.D

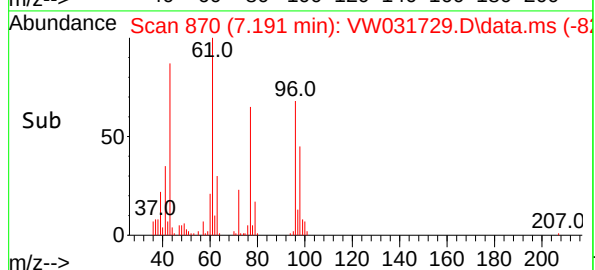
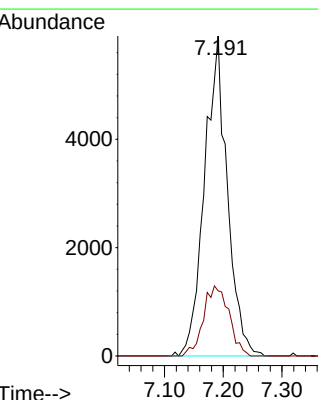
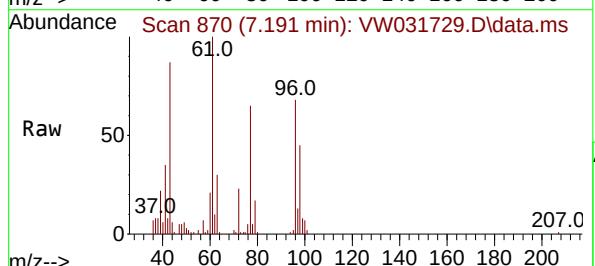
Acq: 30 Jun 2025 09:54

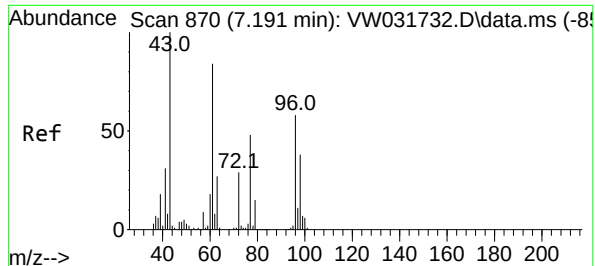
Tgt Ion: 77 Resp: 15875

Ion Ratio Lower Upper

77 100

97 24.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 4.883 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

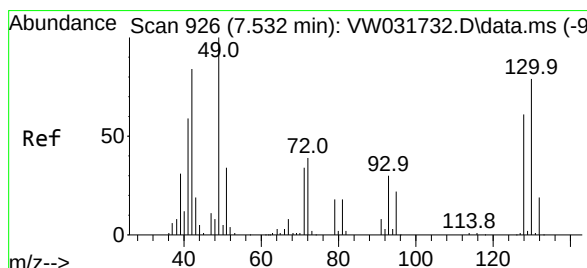
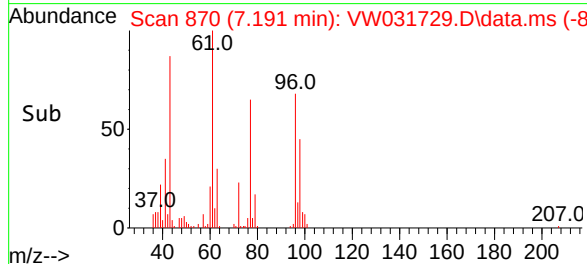
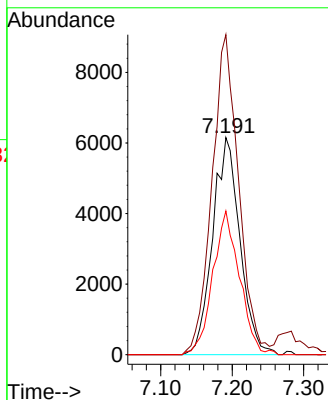
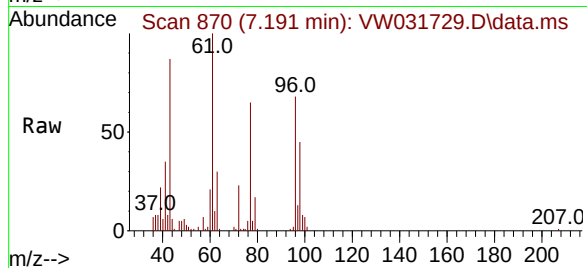
ClientSampleId :

VSTDICC005

Tgt Ion:	96	Resp:	1627
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	286.8
98	65.1	0.0	130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 5.210 ug/l

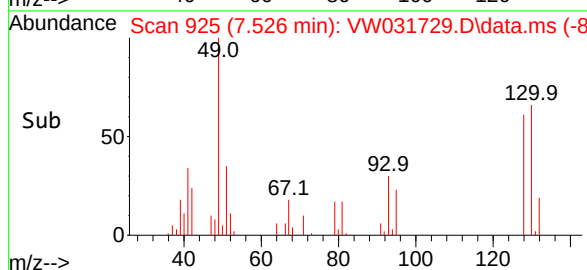
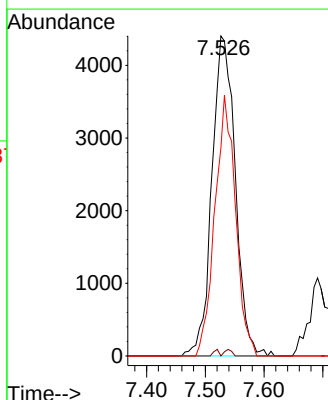
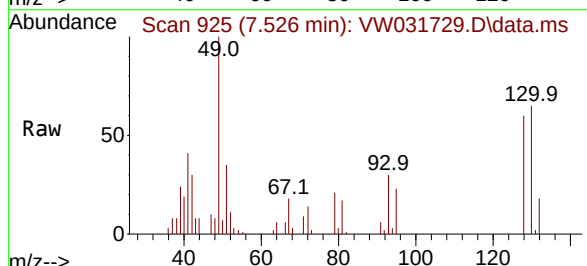
RT: 7.526 min Scan# 925

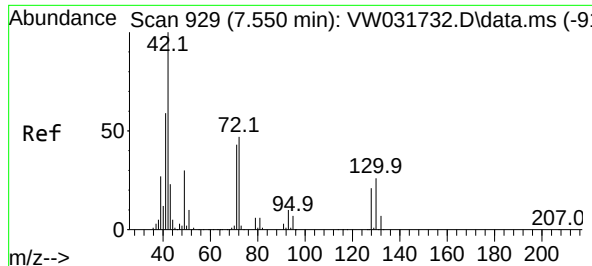
Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	49	Resp:	12169
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	0.0	61.3	91.9#





#29

Tetrahydrofuran

Concen: 23.866 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

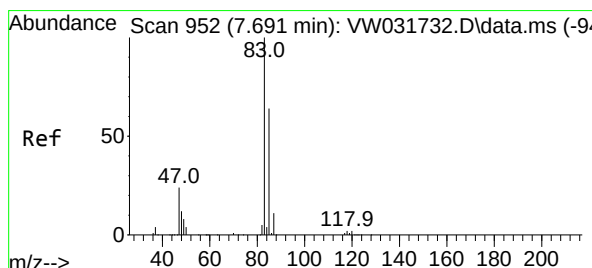
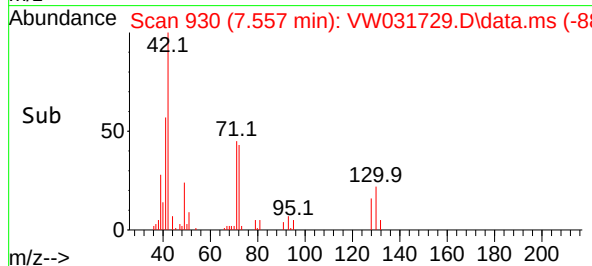
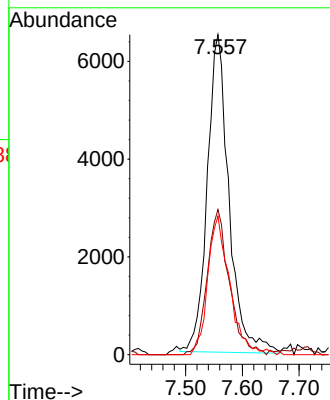
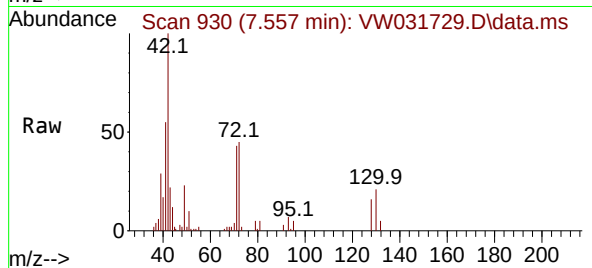
ClientSampleId :

VSTDICC005

Tgt Ion:	42	Resp:	1727
Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.8	55.2
71	43.7	34.6	52.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 5.007 ug/l

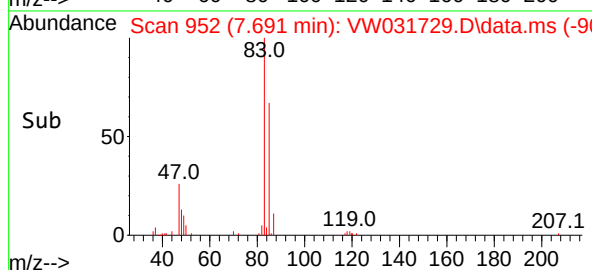
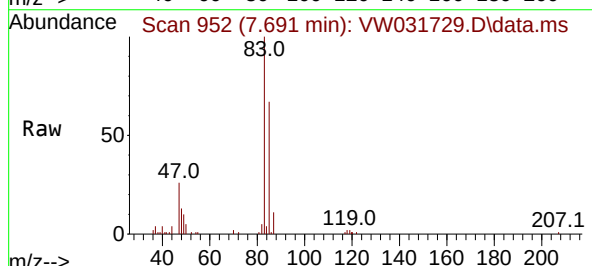
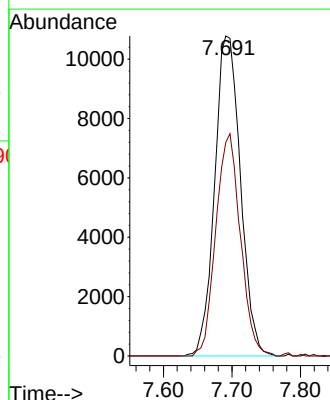
RT: 7.691 min Scan# 952

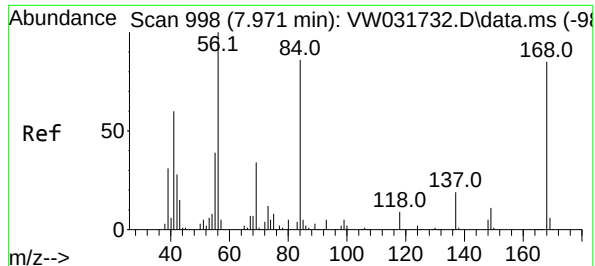
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

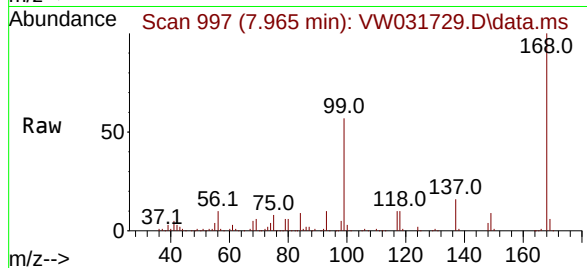
Tgt Ion:	83	Resp:	28162
Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.0





#31
Cyclohexane
Concen: 5.750 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

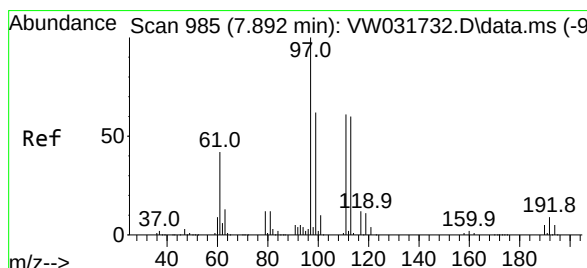
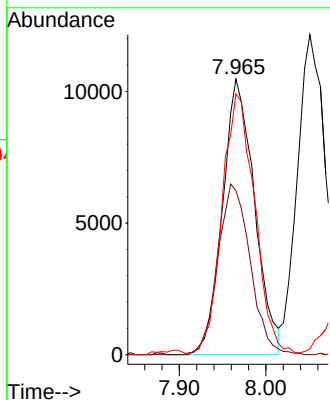
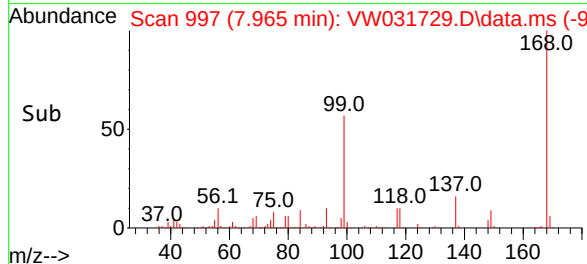
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 56 Resp: 2690
Ion Ratio Lower Upper
56 100
69 59.5 27.2 40.8
84 93.0 68.5 102.7

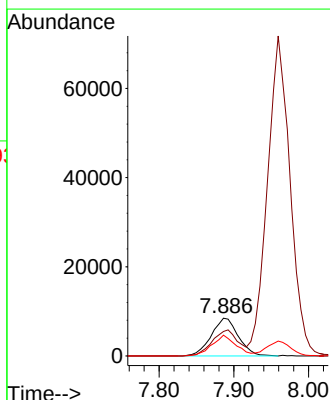
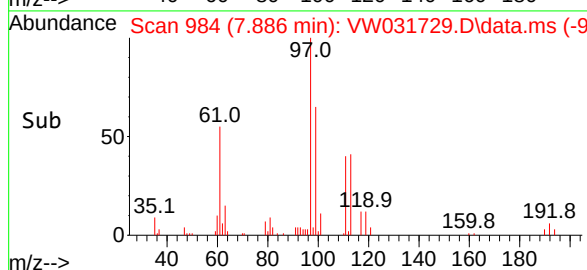
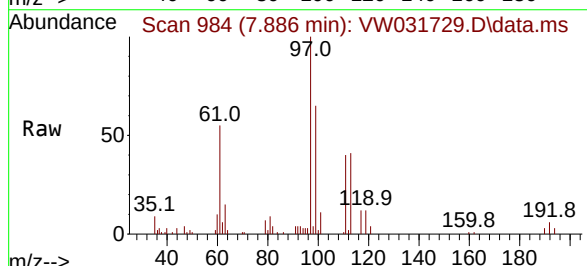
Manual Integrations
APPROVED

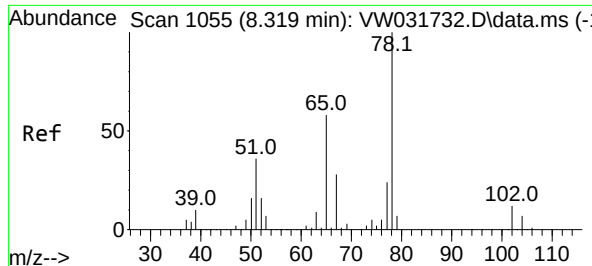
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#32
1,1,1-Trichloroethane
Concen: 4.929 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 97 Resp: 21367
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.6
61 48.4 36.0 54.0





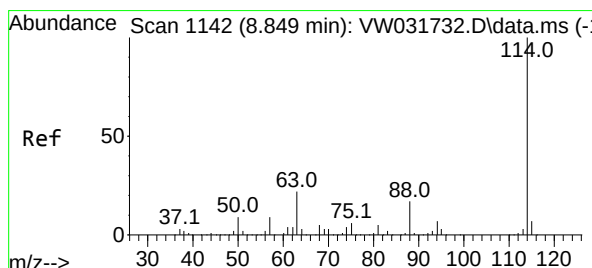
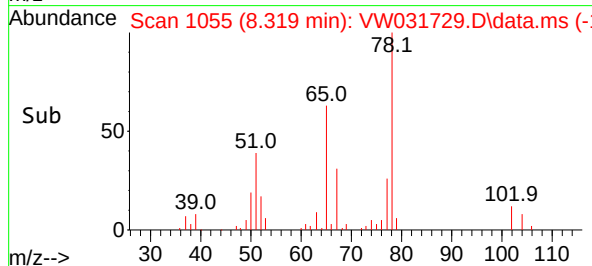
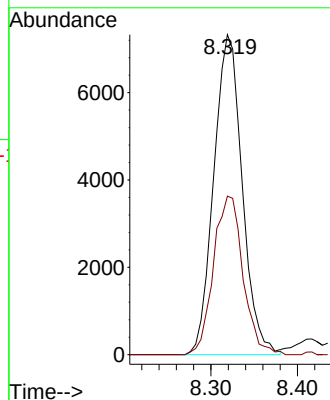
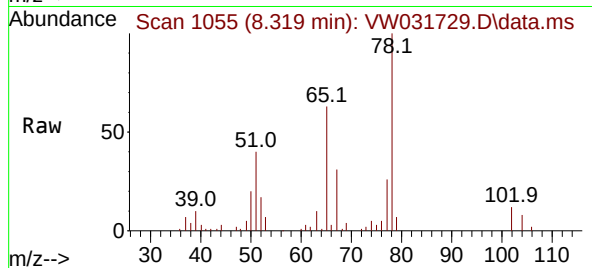
#33
1,2-Dichloroethane-d4
Concen: 5.090 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 16728
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.4

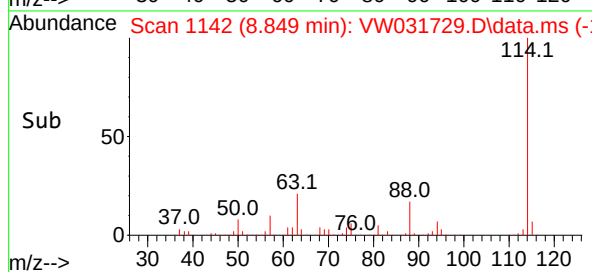
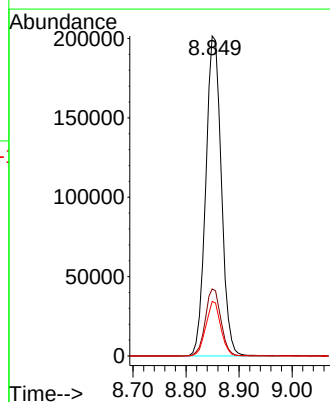
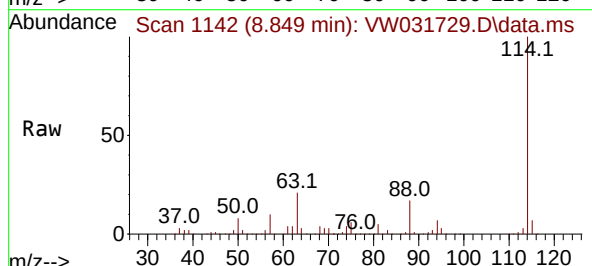
Manual Integrations
APPROVED

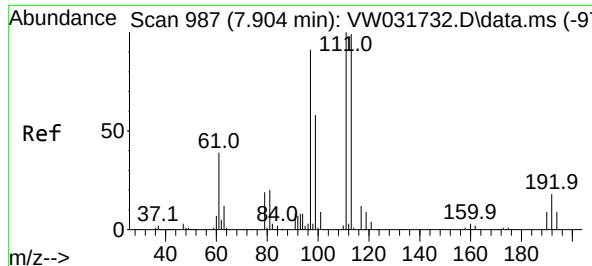
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:114 Resp: 410655
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.6
88 17.0 0.0 34.2





#35

Dibromofluoromethane

Concen: 4.936 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

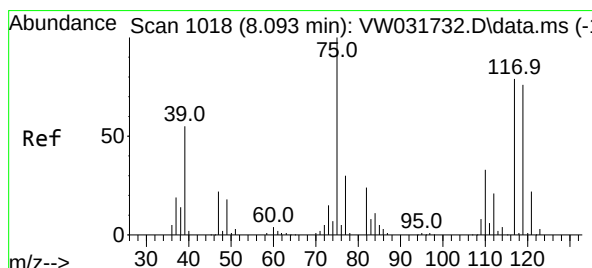
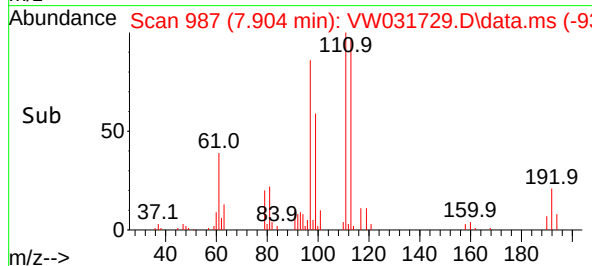
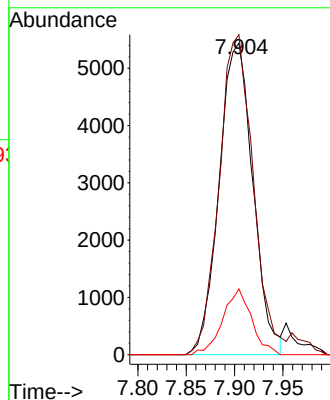
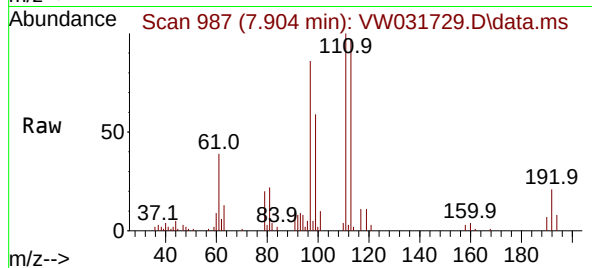
ClientSampleId :

VSTDICC005

Tgt Ion:	113	Resp:	13228
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	18.1	13.8	20.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 5.048 ug/l

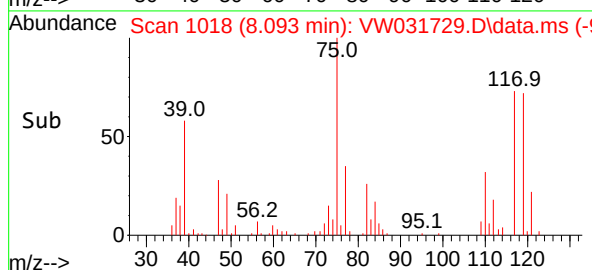
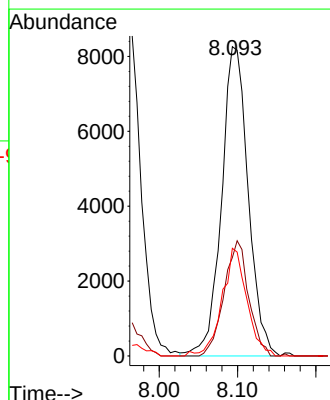
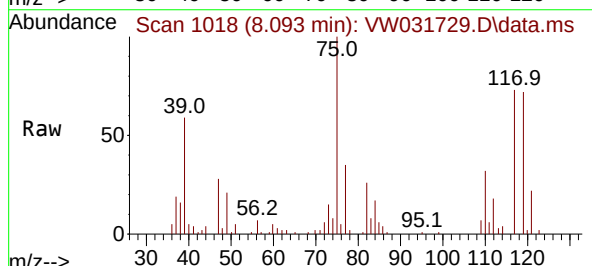
RT: 8.093 min Scan# 1018

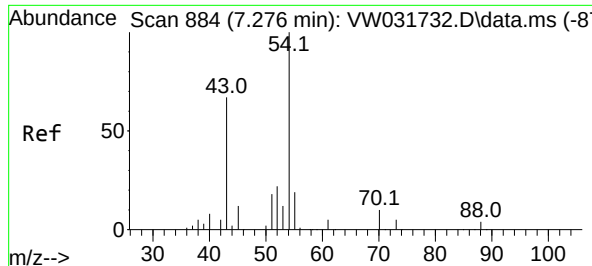
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	75	Resp:	19574
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.4
77	32.5	25.0	37.6





#37

Ethyl Acetate

Concen: 5.265 ug/l m

RT: 7.276 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

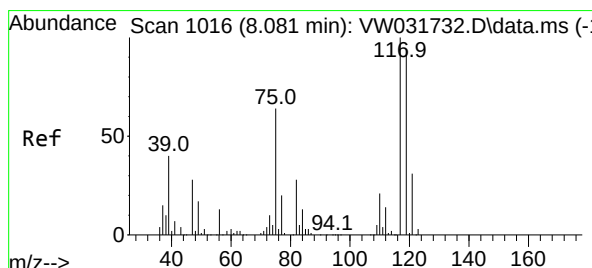
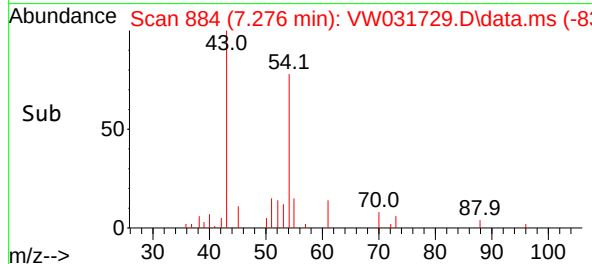
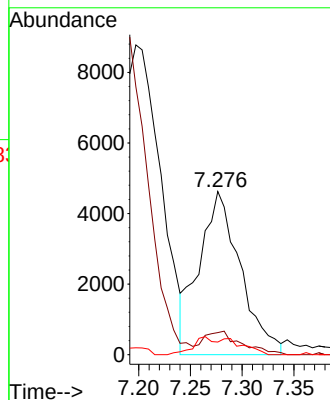
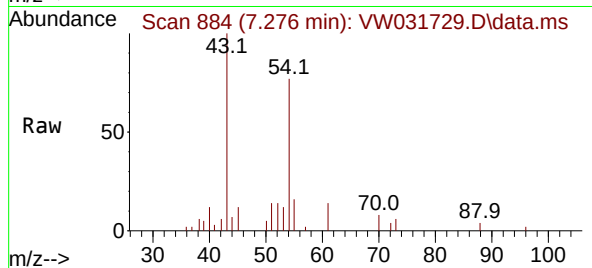
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	12878
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	6.1	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 4.954 ug/l

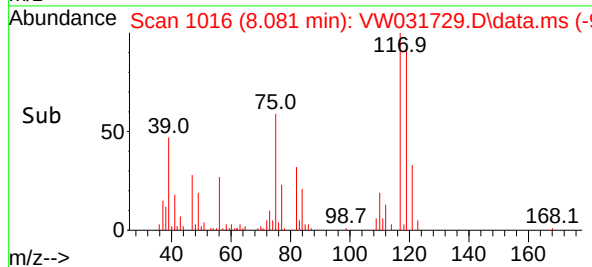
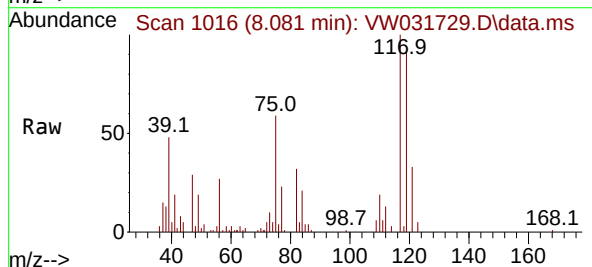
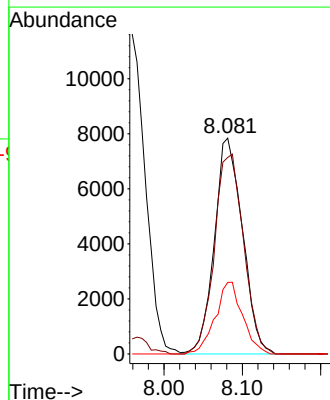
RT: 8.081 min Scan# 1016

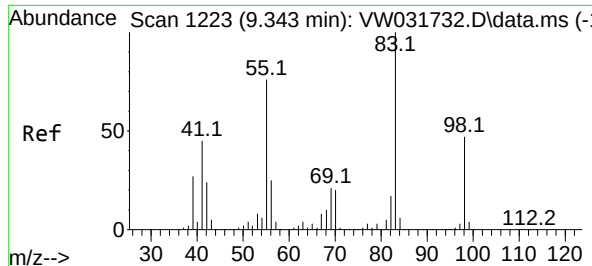
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	117	Resp:	19576
Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.0	112.6
121	33.1	24.6	37.0





#39

Methylcyclohexane

Concen: 4.877 ug/l

RT: 9.343 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

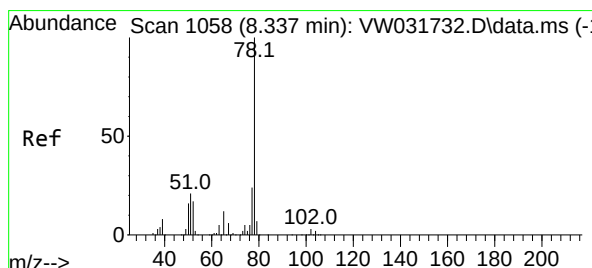
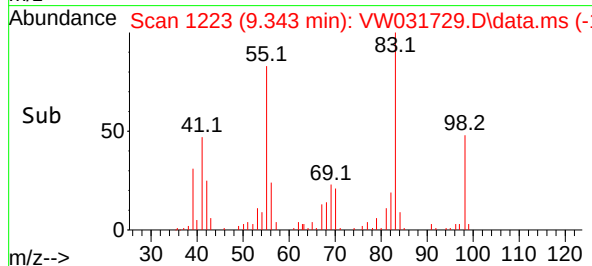
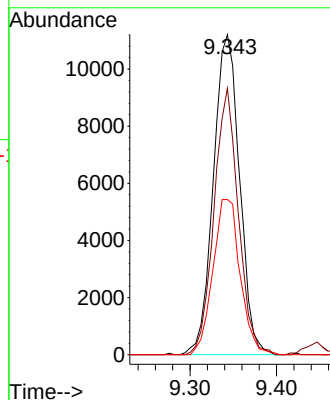
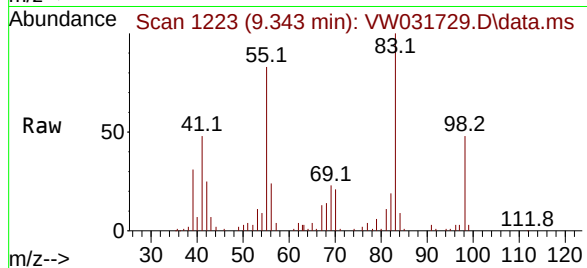
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	61.0	91.4
98	48.5	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 5.046 ug/l

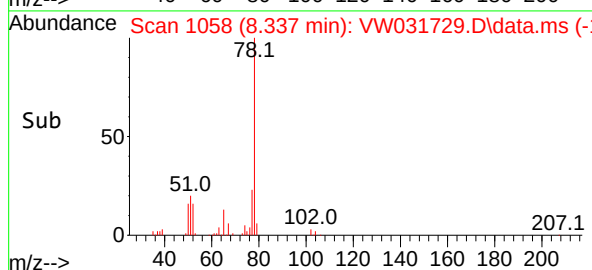
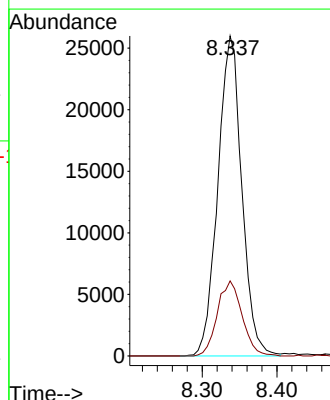
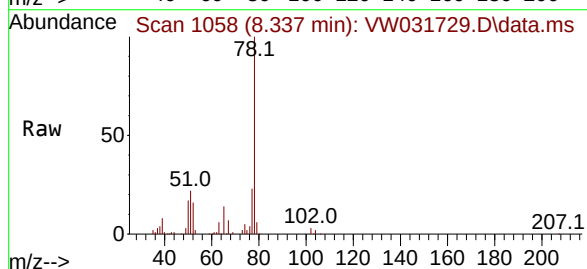
RT: 8.337 min Scan# 1058

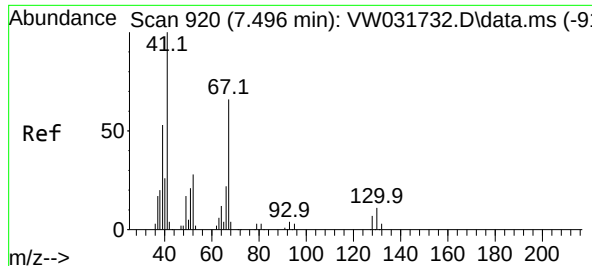
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

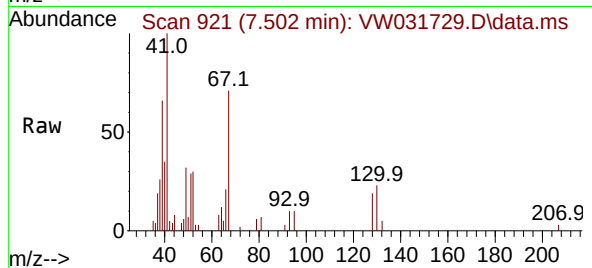
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41
Methacrylonitrile
Concen: 4.724 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

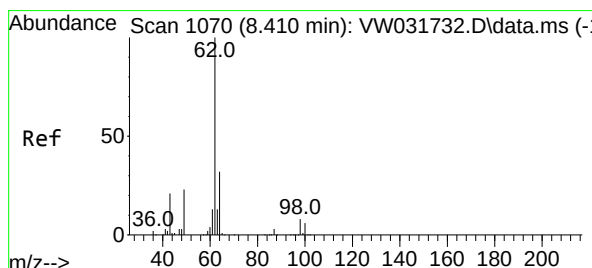
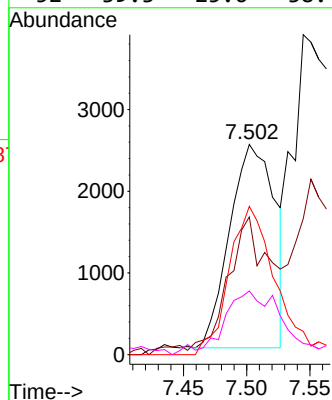
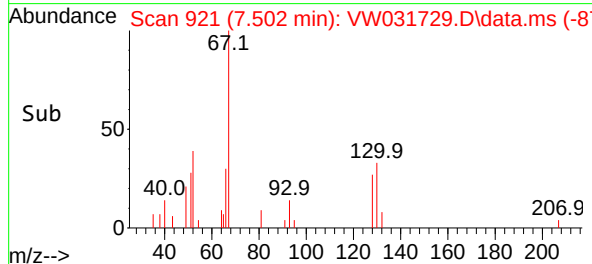
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 41 Resp: 6190
Ion Ratio Lower Upper
41 100
39 65.9 43.2 64.8
67 75.5 58.1 87.1
52 39.3 25.6 38.4#

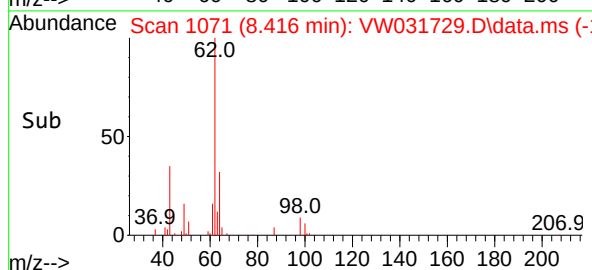
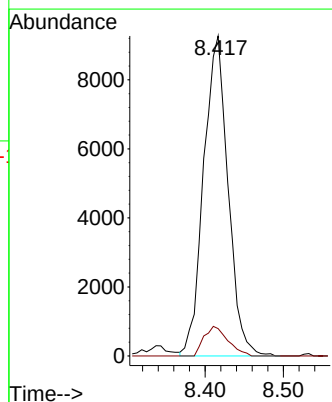
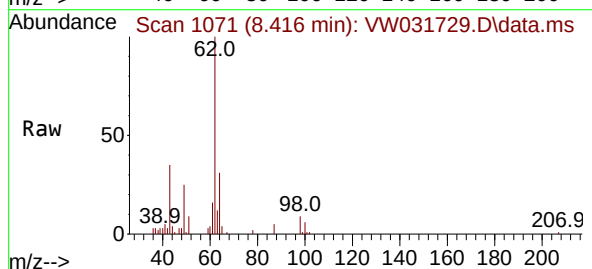
Manual Integrations
APPROVED

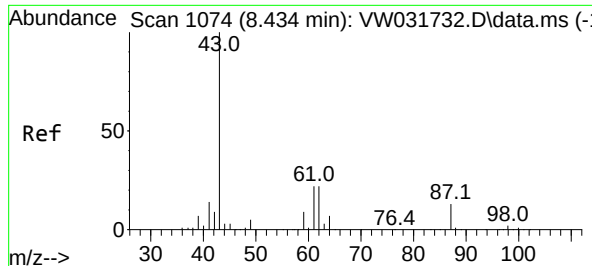
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 62 Resp: 20133
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 4.673 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

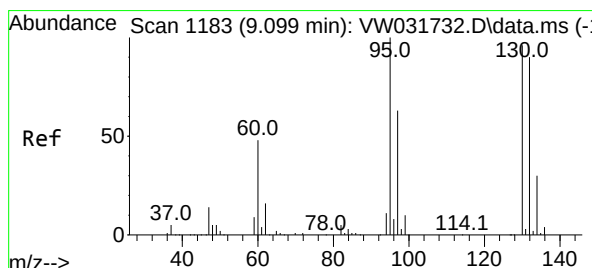
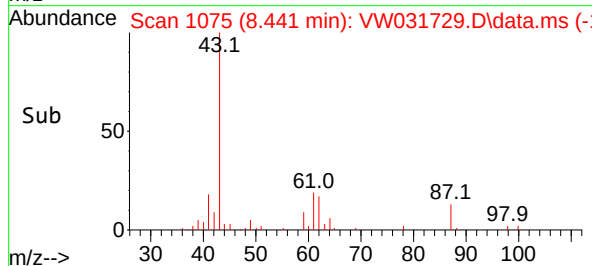
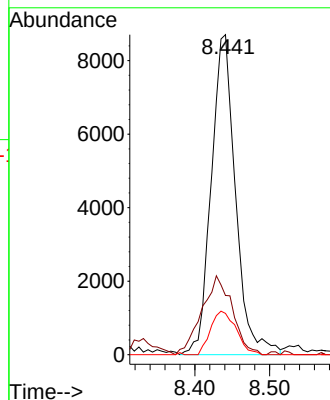
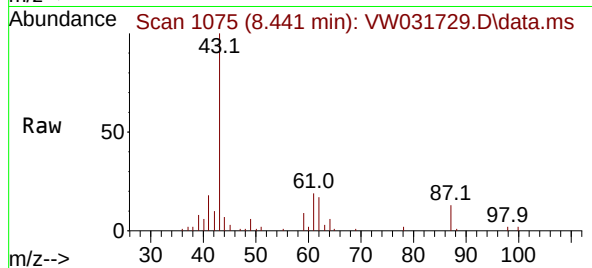
ClientSampleId :

VSTDIC005

Tgt Ion: 43	Resp: 1970
Ion Ratio	Lower Upper
43	100
61	30.9 23.1 34.7
87	14.3 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 4.928 ug/l

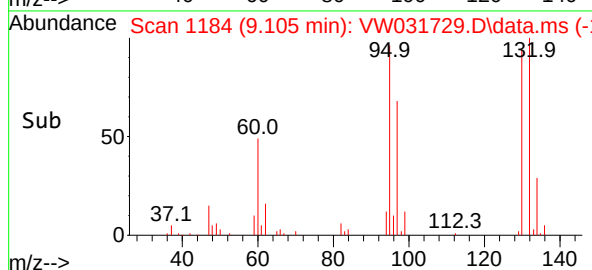
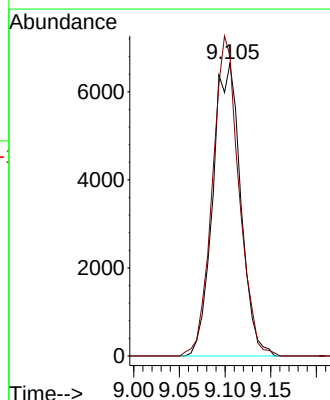
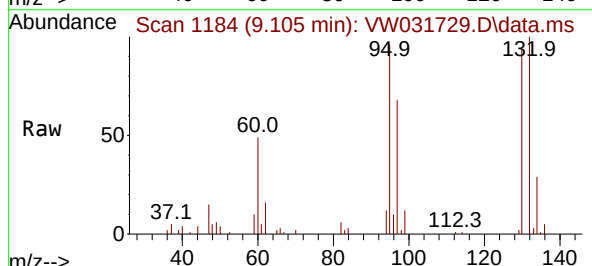
RT: 9.105 min Scan# 1184

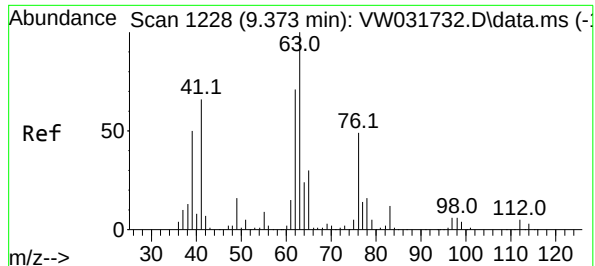
Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:130	Resp: 14112
Ion Ratio	Lower Upper
130	100
95	102.6 0.0 208.6





#45

1,2-Dichloropropane

Concen: 5.152 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

63 100

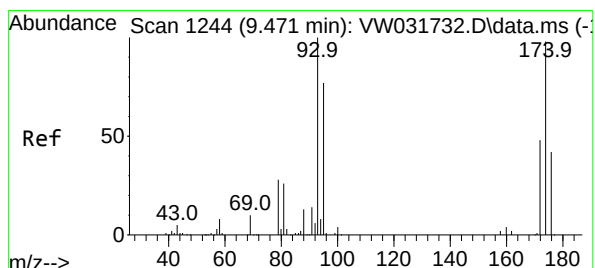
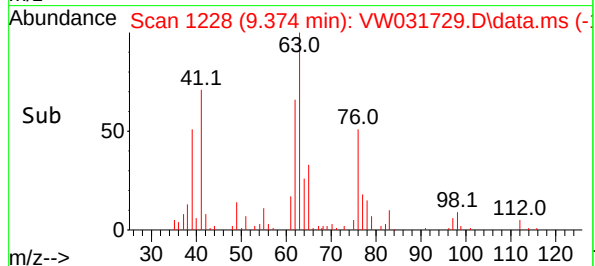
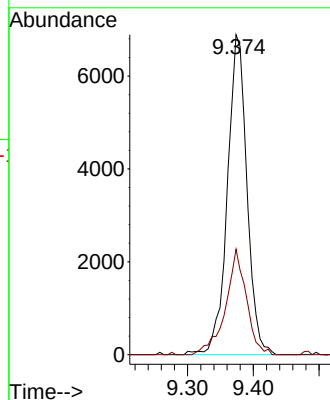
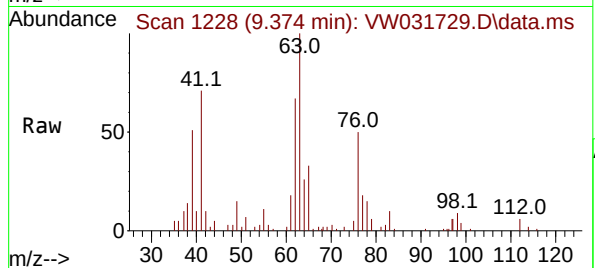
65 32.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 5.242 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

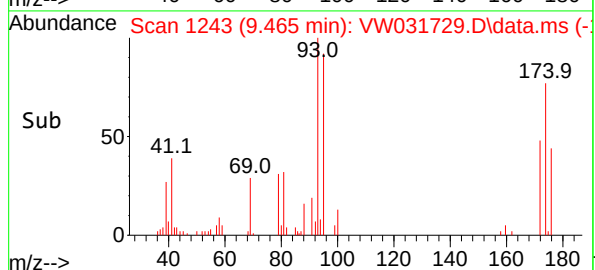
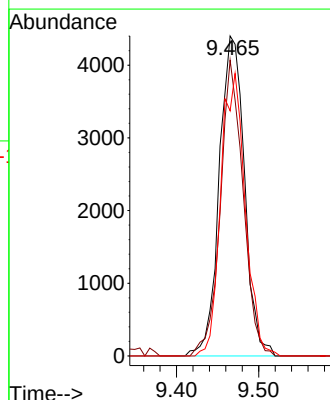
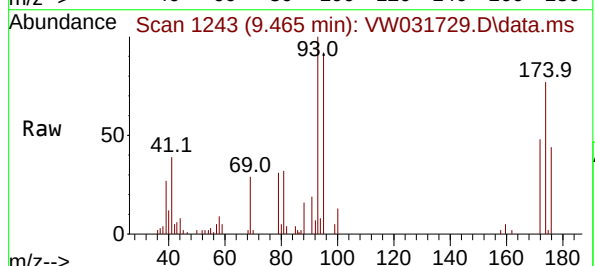
Tgt Ion: 93 Resp: 9383

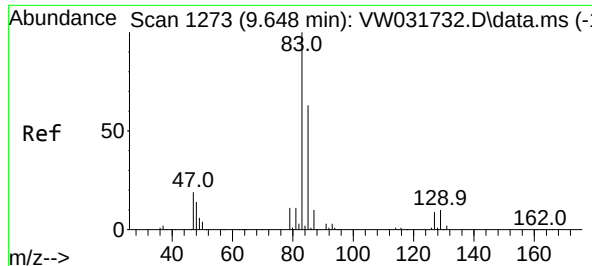
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 85.7 71.7 107.5





#47

Bromodichloromethane

Concen: 4.976 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

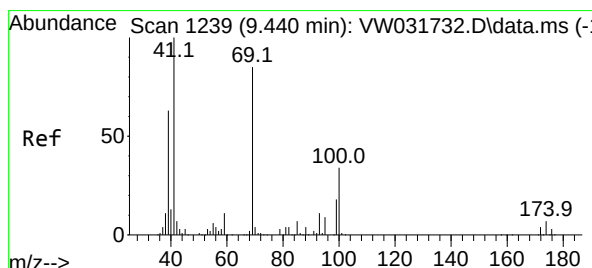
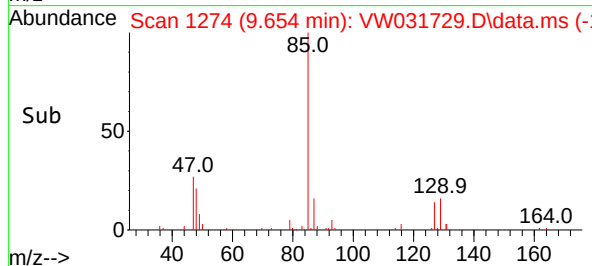
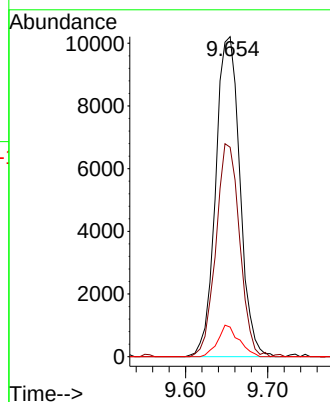
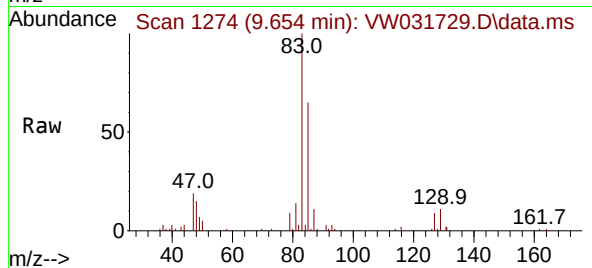
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	2088
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	9.2	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#48

Methyl methacrylate

Concen: 4.563 ug/l

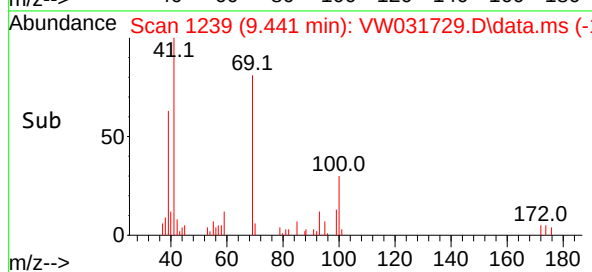
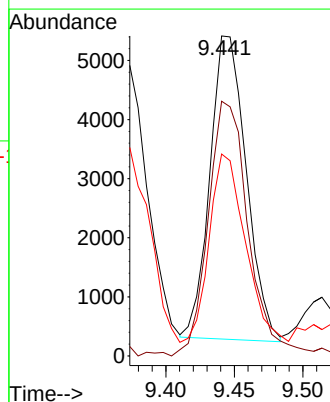
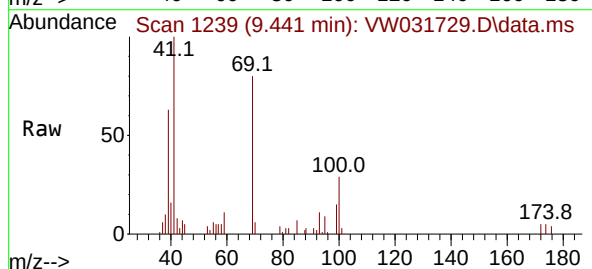
RT: 9.441 min Scan# 1239

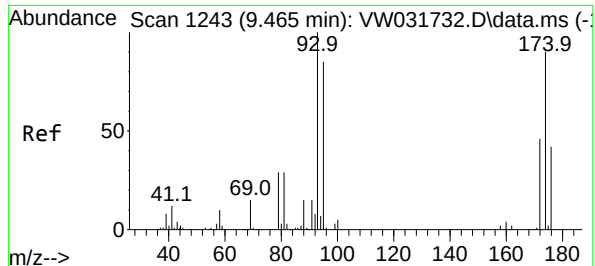
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	41	Resp:	9461
Ion	Ratio	Lower	Upper
41	100		
69	92.7	71.6	107.4
39	62.2	49.5	74.3





#49

1,4-Dioxane

Concen: 121.843 ug/l m

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

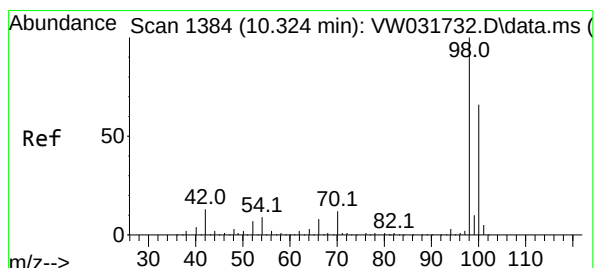
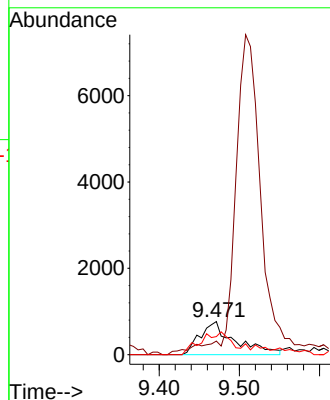
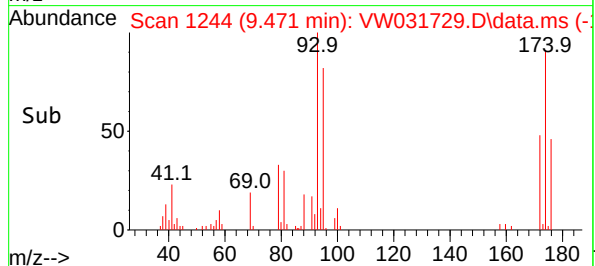
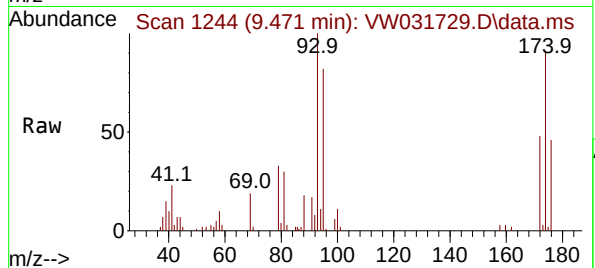
58 59.7 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 4.615 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031729.D

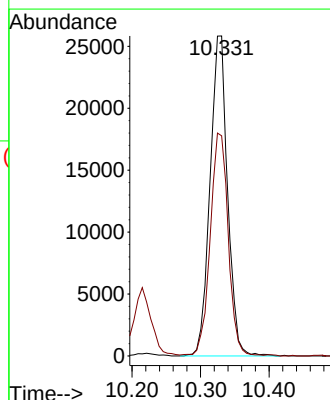
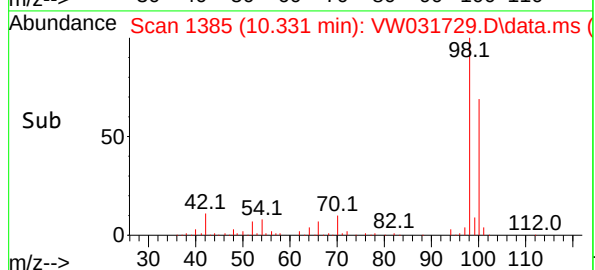
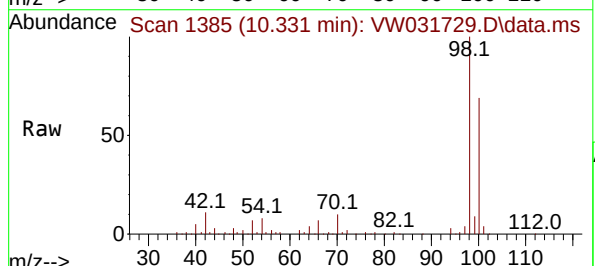
Acq: 30 Jun 2025 09:54

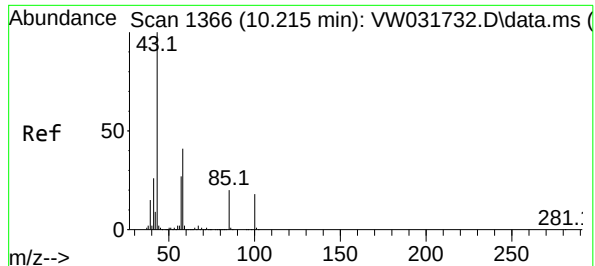
Tgt Ion: 98 Resp: 46017

Ion Ratio Lower Upper

98 100

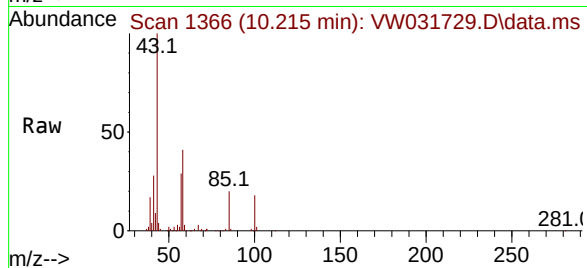
100 71.0 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 24.143 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

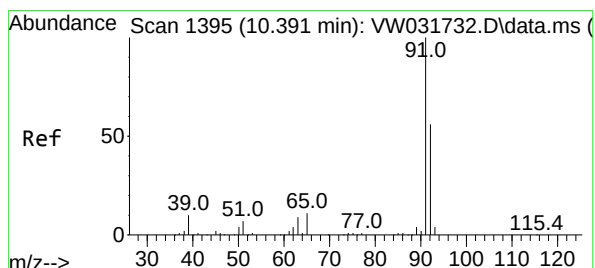
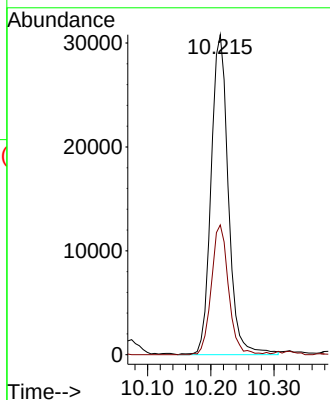
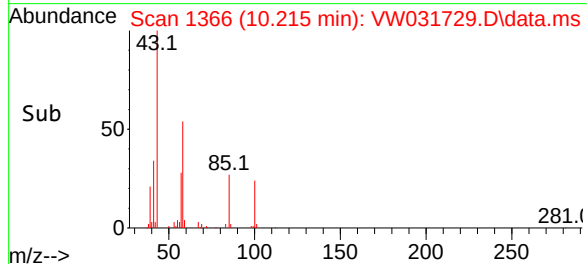
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 5852
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.2

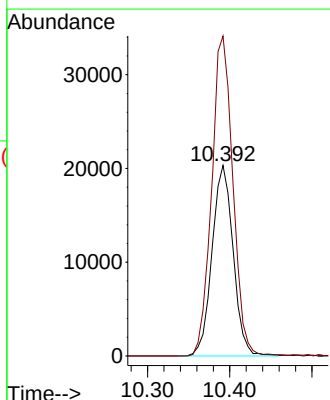
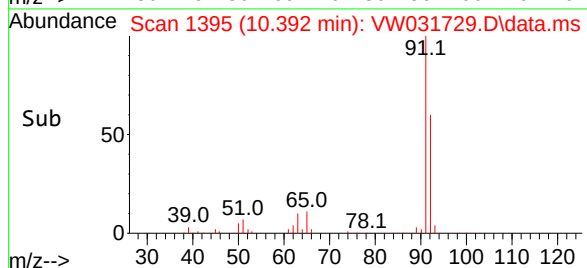
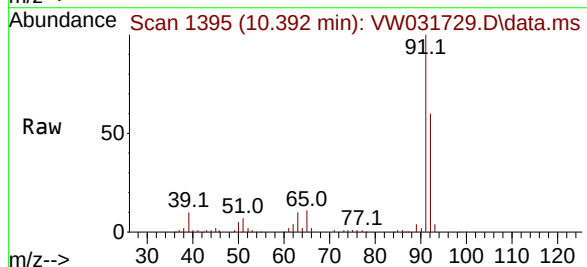
Manual Integrations
APPROVED

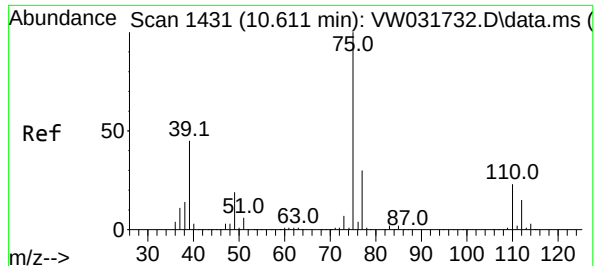
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 4.928 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

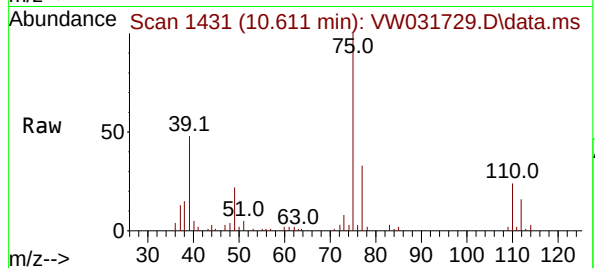
Tgt Ion: 92 Resp: 36200
Ion Ratio Lower Upper
92 100
91 169.1 139.5 209.3





#53
t-1,3-Dichloropropene
Concen: 4.508 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

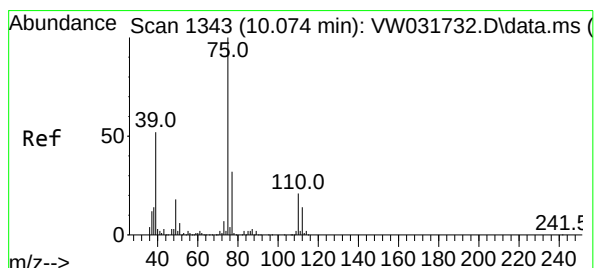
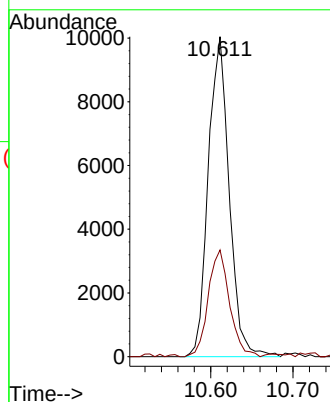
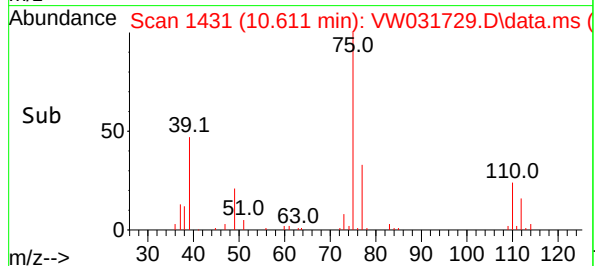
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 1775
Ion Ratio Lower Upper
75 100
77 33.3 24.3 36.5

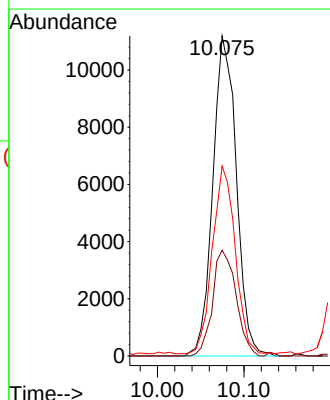
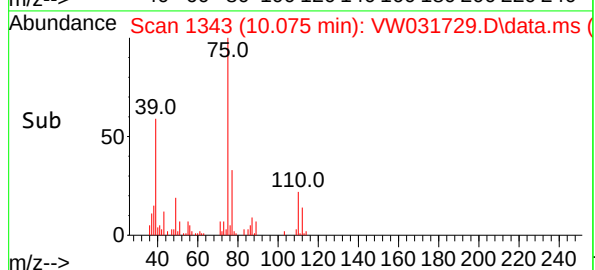
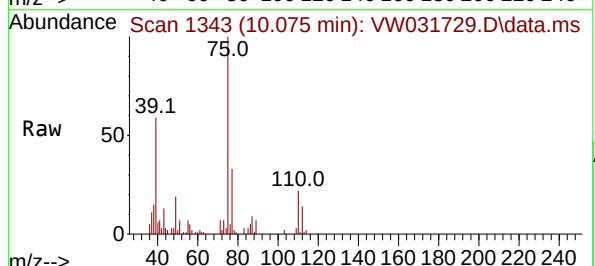
Manual Integrations
APPROVED

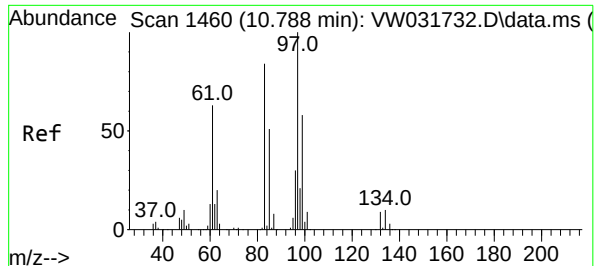
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#54
cis-1,3-Dichloropropene
Concen: 4.724 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 21091
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2
39 58.7 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 5.239 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1228

Ion Ratio Lower Upper

97 100

83 77.9 66.9 100.3

85 50.2 41.1 61.7

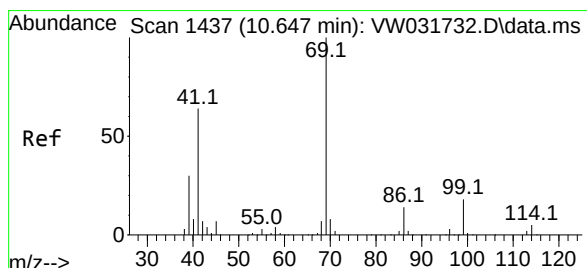
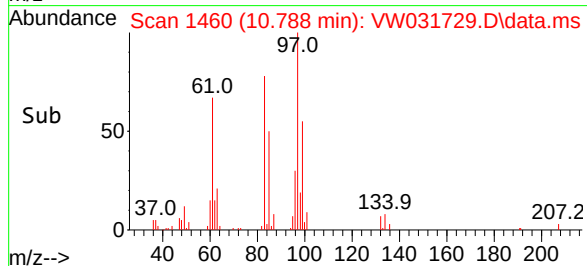
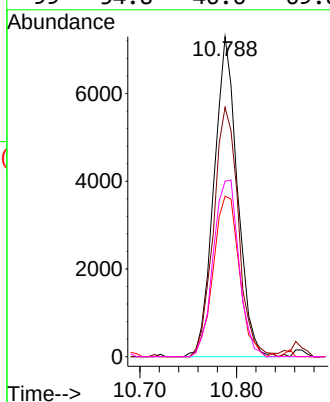
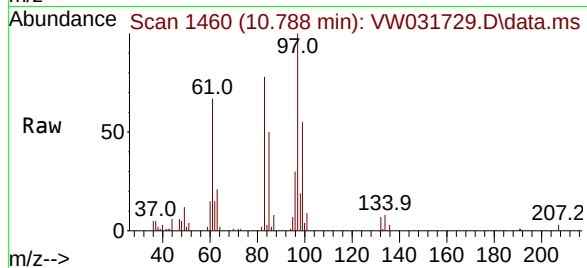
99 54.8 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 4.584 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

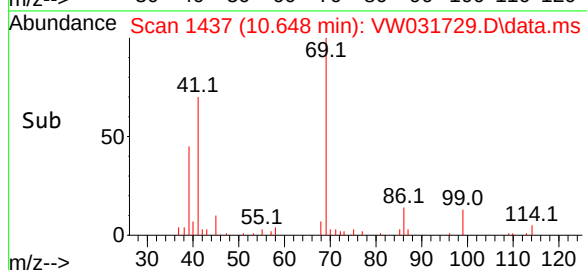
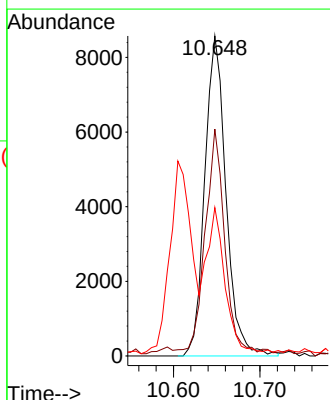
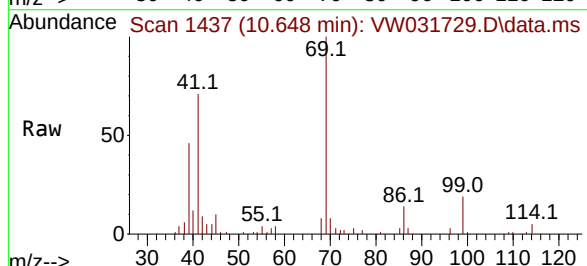
Tgt Ion: 69 Resp: 14584

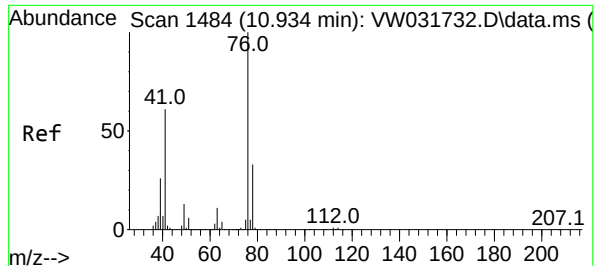
Ion Ratio Lower Upper

69 100

41 63.9 53.3 79.9

39 39.3 30.2 45.2





#57

1,3-Dichloropropane

Concen: 5.206 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 2143

Ion Ratio Lower Upper

76 100

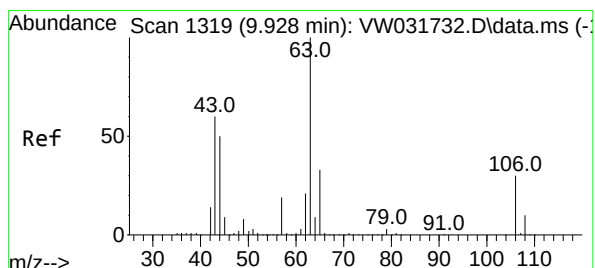
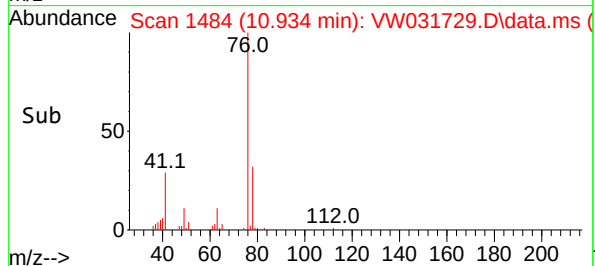
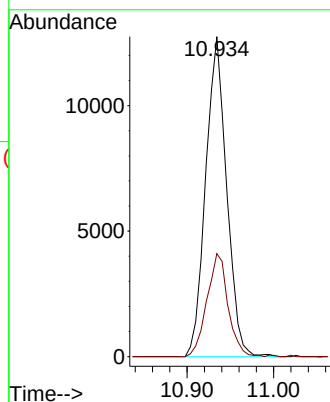
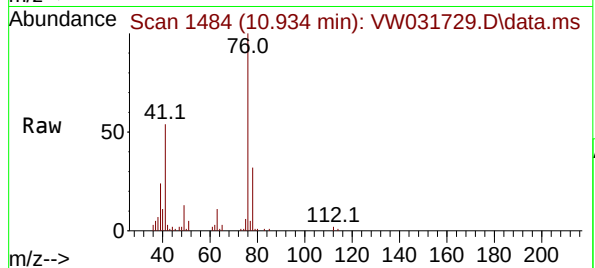
78 32.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 22.989 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031729.D

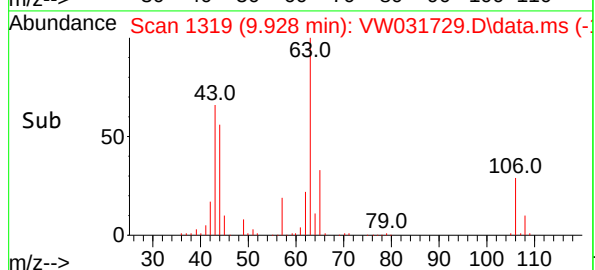
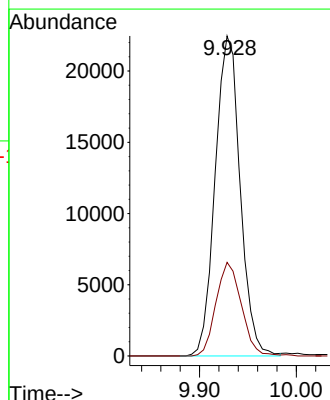
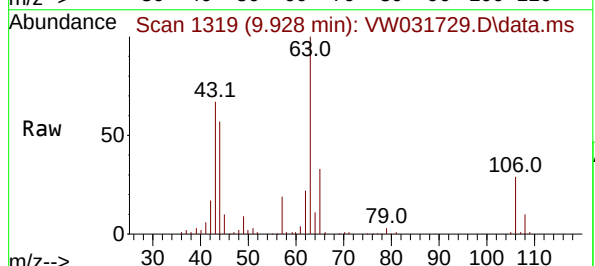
Acq: 30 Jun 2025 09:54

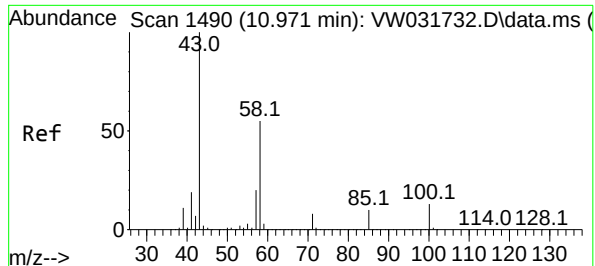
Tgt Ion: 63 Resp: 40271

Ion Ratio Lower Upper

63 100

106 29.7 24.1 36.1





#59

2-Hexanone

Concen: 23.125 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 3798

Ion Ratio Lower Upper

43 100

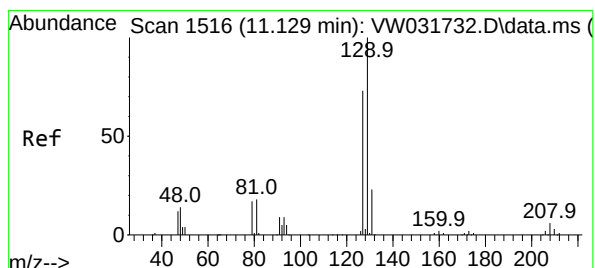
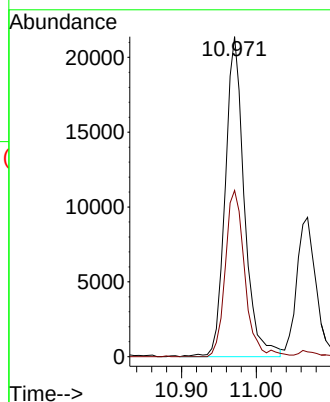
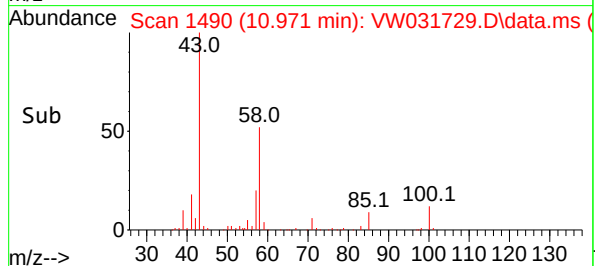
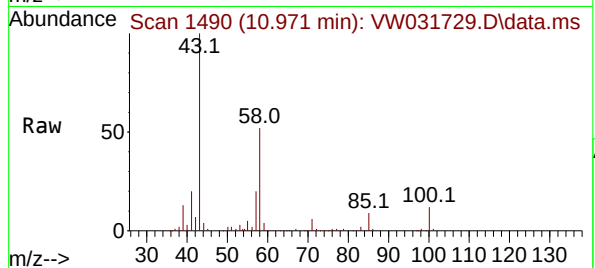
58 53.1 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 4.817 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031729.D

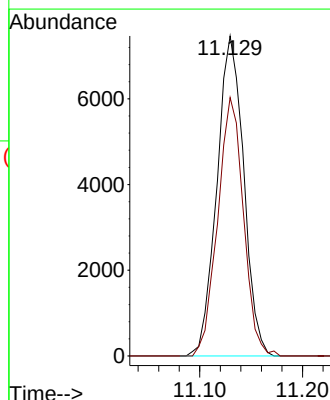
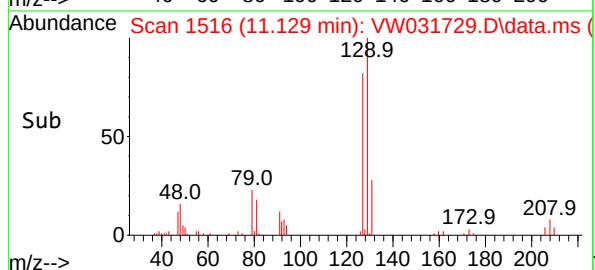
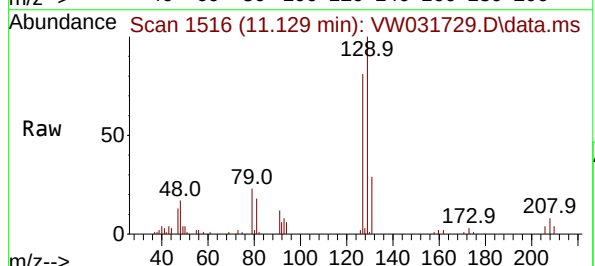
Acq: 30 Jun 2025 09:54

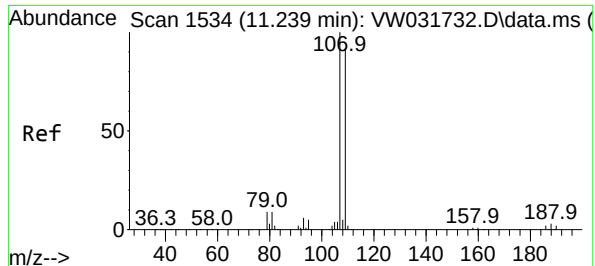
Tgt Ion:129 Resp: 13506

Ion Ratio Lower Upper

129 100

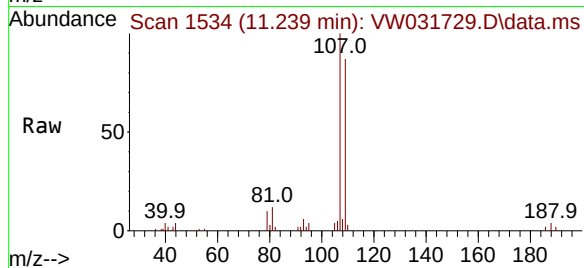
127 77.6 38.0 114.1





#61
1,2-Dibromoethane
Concen: 5.046 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

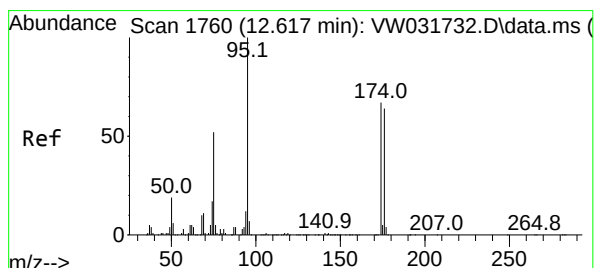
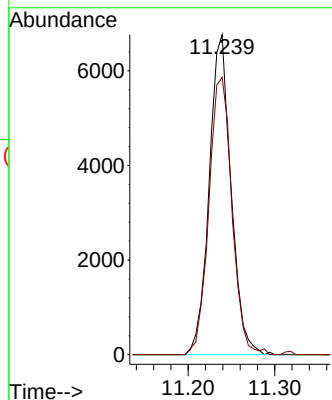
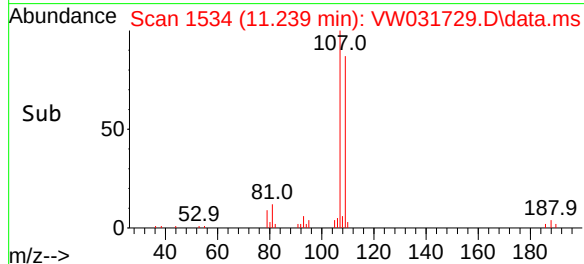
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 107 Resp: 1184
Ion Ratio Lower Upper
107 100
109 91.6 73.9 110.9

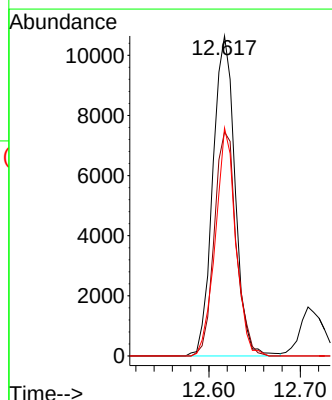
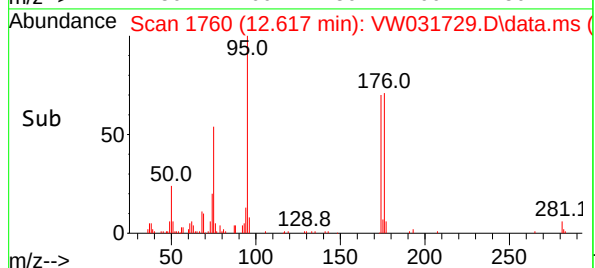
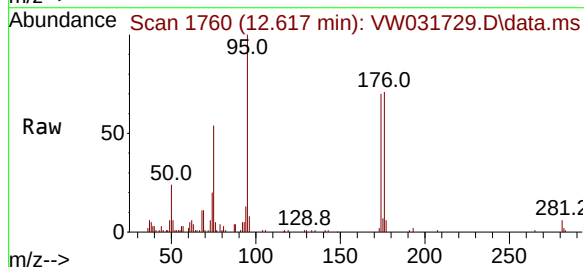
Manual Integrations
APPROVED

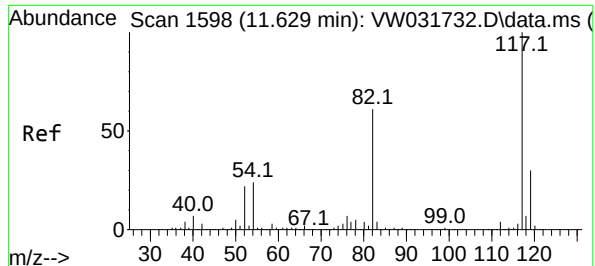
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 4.884 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 95 Resp: 17925
Ion Ratio Lower Upper
95 100
174 69.2 0.0 133.8
176 65.4 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 361730

Ion Ratio Lower Upper

117 100

82 60.5 48.6 72.8

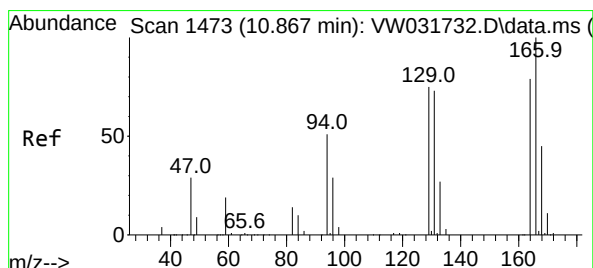
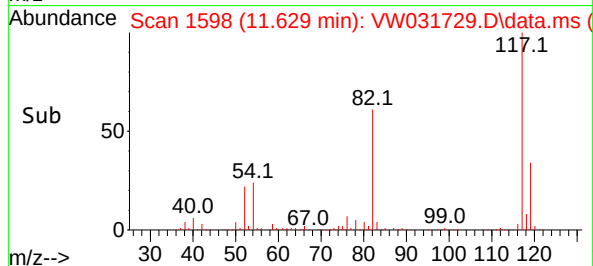
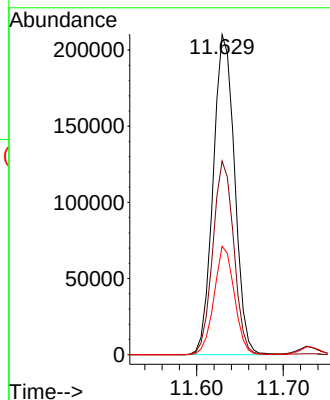
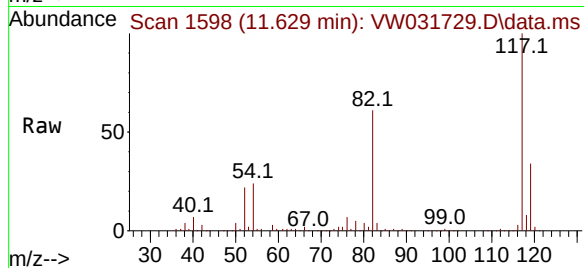
119 33.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 5.068 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:164 Resp: 11991

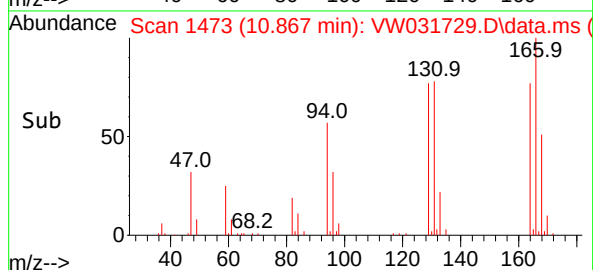
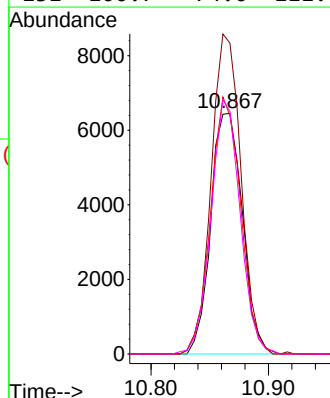
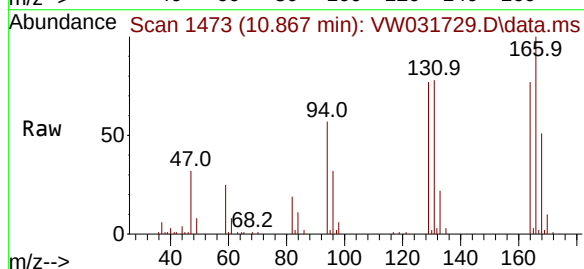
Ion Ratio Lower Upper

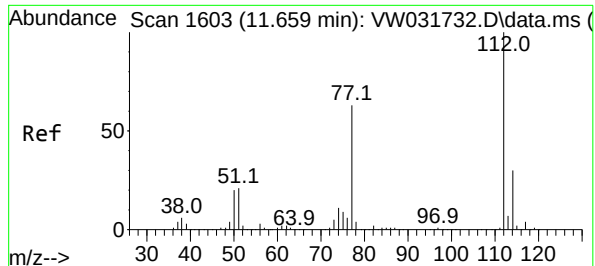
164 100

166 129.1 100.7 151.1

129 98.9 75.4 113.0

131 100.7 74.0 111.0





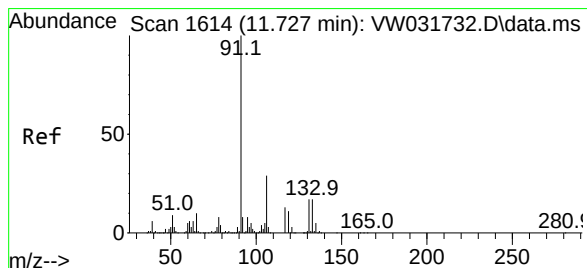
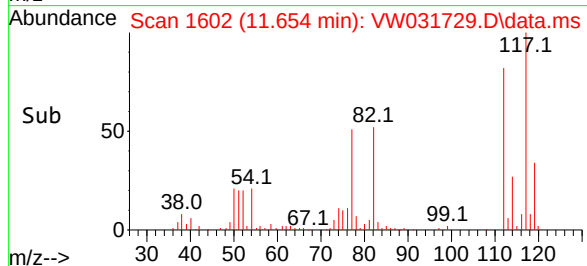
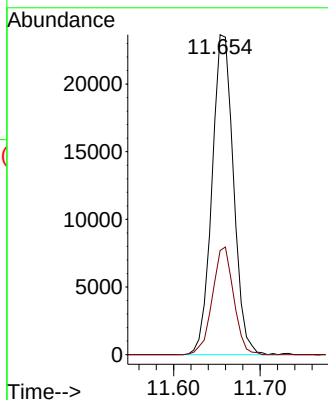
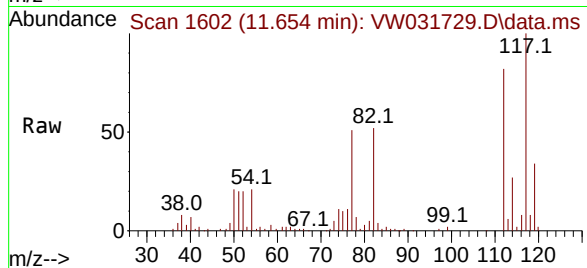
#65
Chlorobenzene
Concen: 5.114 ug/l
RT: 11.654 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 40810
Ion Ratio Lower Upper
112 100
114 32.5 23.8 35.8

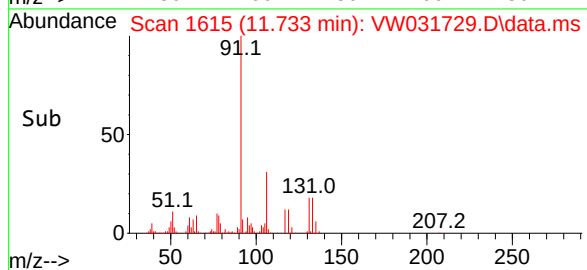
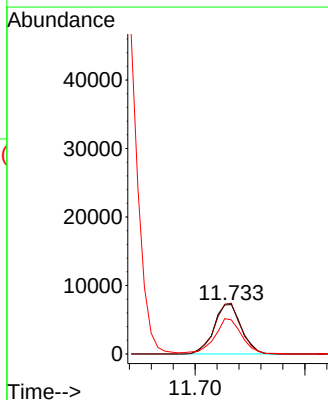
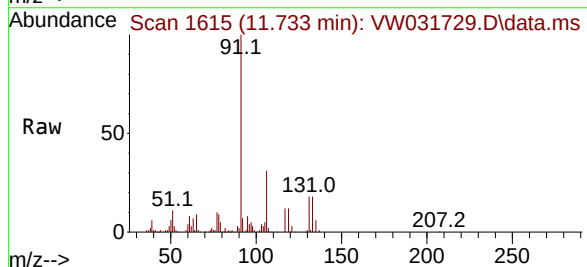
Manual Integrations
APPROVED

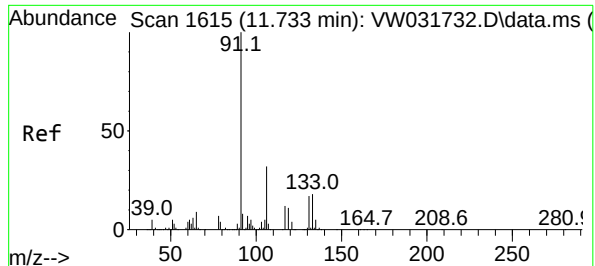
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.935 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:131 Resp: 12551
Ion Ratio Lower Upper
131 100
133 99.1 48.5 145.6
119 70.6 32.5 97.5





#67

Ethyl Benzene

Concen: 4.862 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 6729

Ion Ratio Lower Upper

91 100

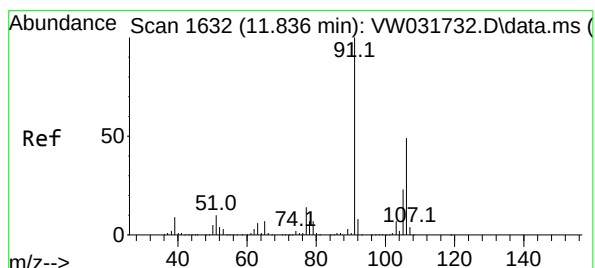
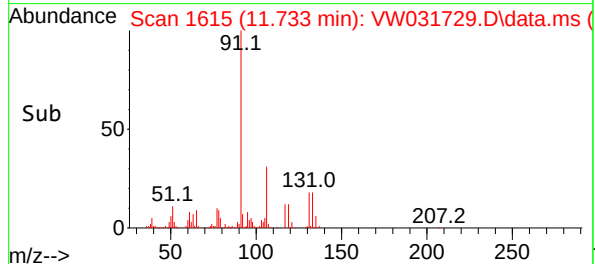
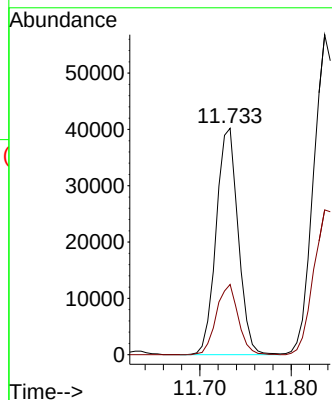
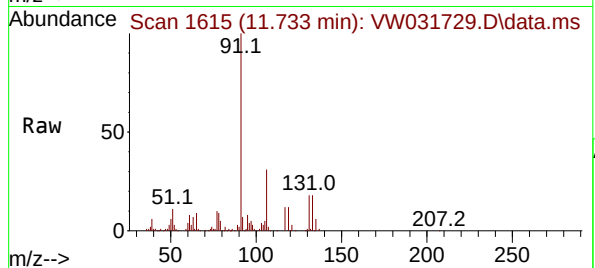
106 31.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 9.378 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031729.D

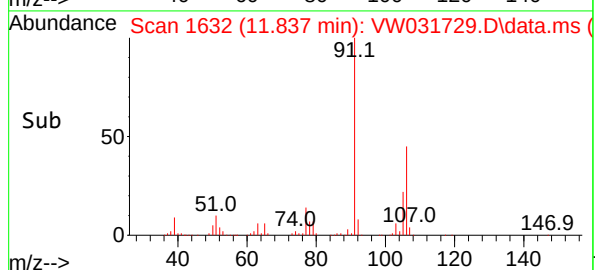
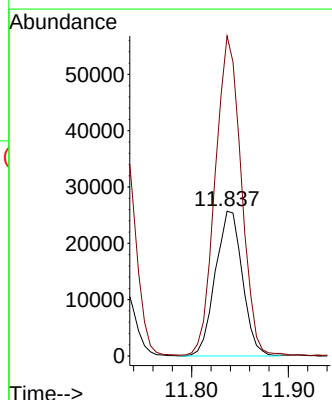
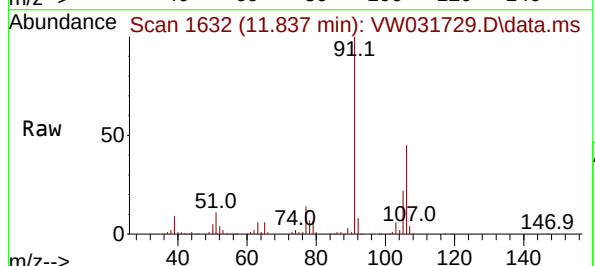
Acq: 30 Jun 2025 09:54

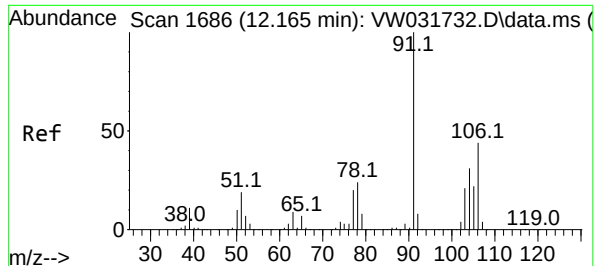
Tgt Ion:106 Resp: 49892

Ion Ratio Lower Upper

106 100

91 212.8 166.4 249.6





#69

o-Xylene

Concen: 4.668 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 22994

Ion Ratio Lower Upper

106 100

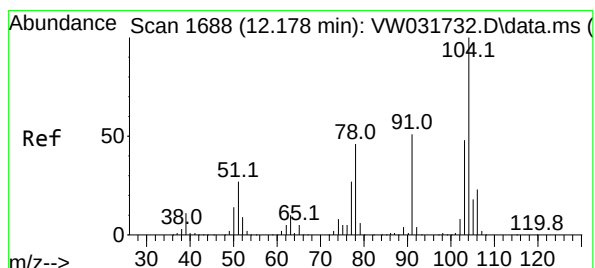
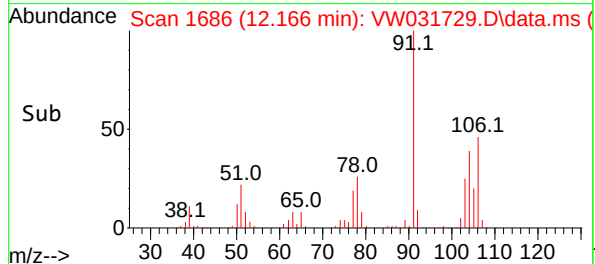
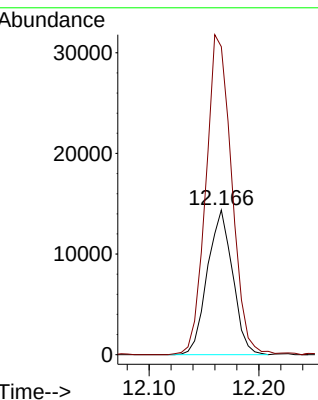
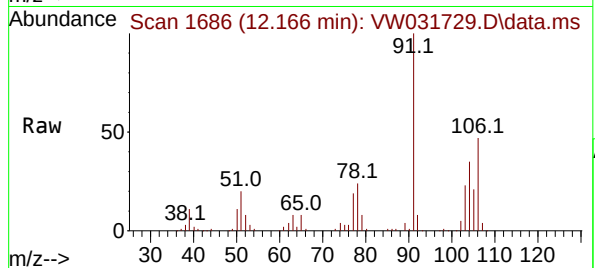
91 226.8 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 4.530 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

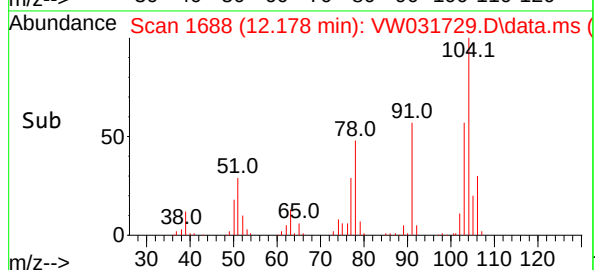
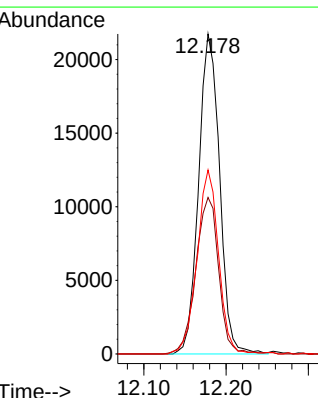
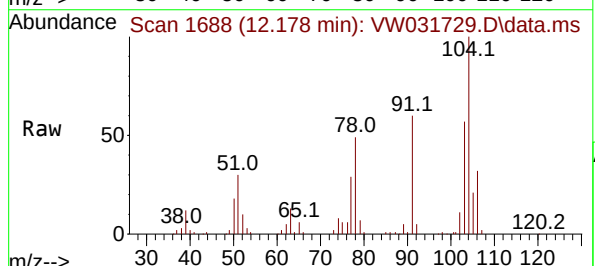
Tgt Ion:104 Resp: 38573

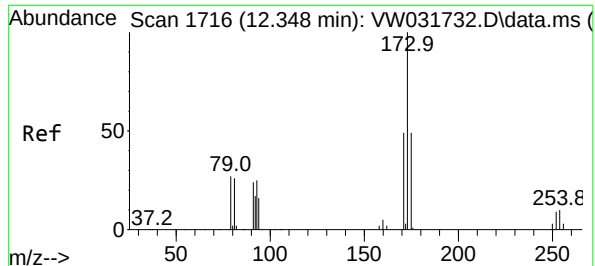
Ion Ratio Lower Upper

104 100

78 53.4 42.1 63.1

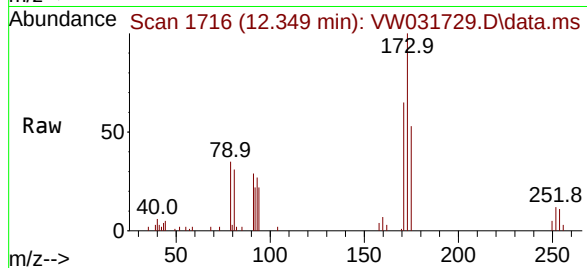
103 58.7 43.0 64.6





#71
Bromoform
Concen: 4.688 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

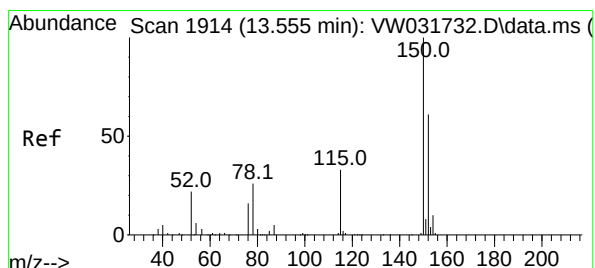
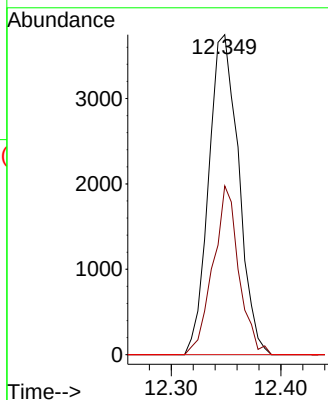
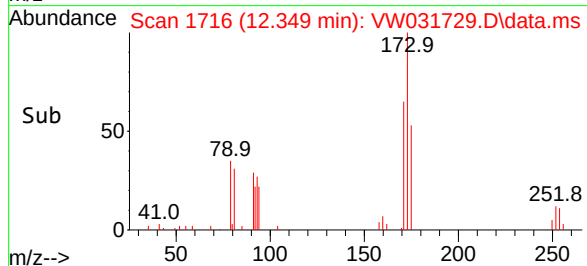
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 711
Ion Ratio Lower Upper
173 100
175 45.6 24.0 72.0
254 0.0 0.1 0.1

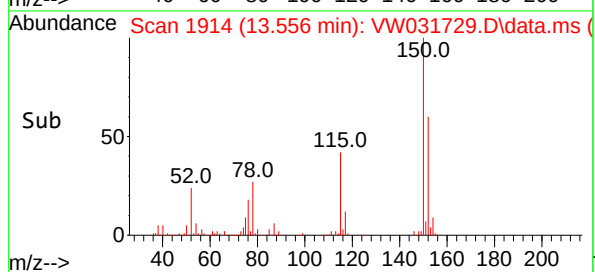
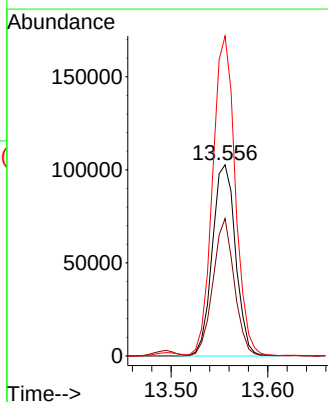
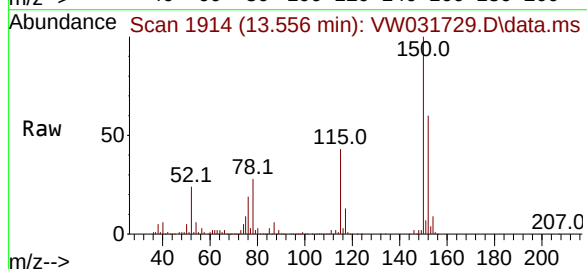
Manual Integrations
APPROVED

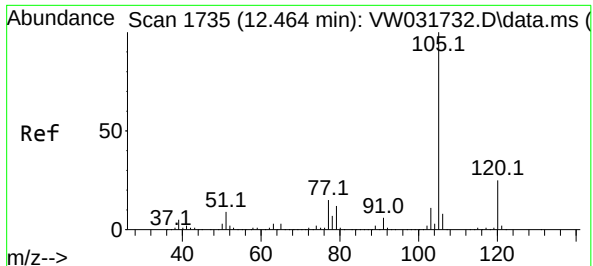
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:152 Resp: 171294
Ion Ratio Lower Upper
152 100
115 65.7 31.9 95.7
150 162.4 0.0 356.4





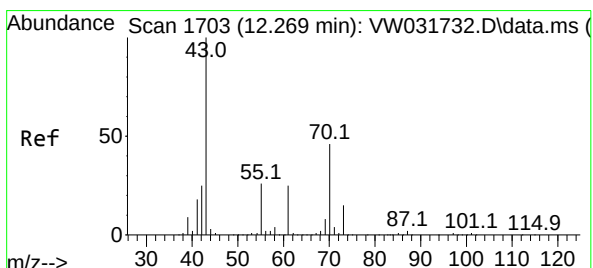
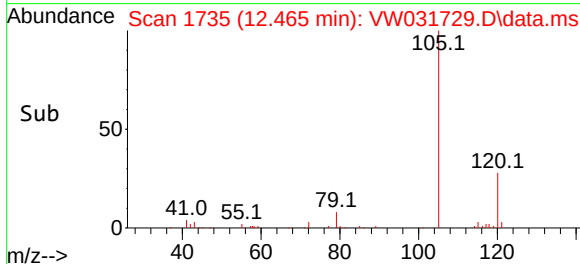
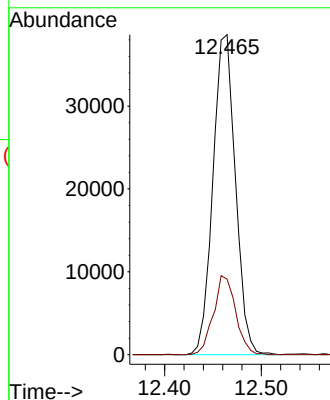
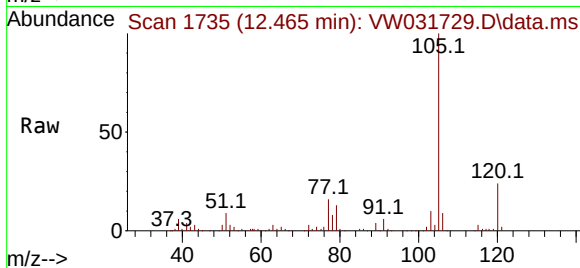
#73
Isopropylbenzene
Concen: 4.790 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62409
Ion Ratio Lower Upper
105 100
120 24.4 12.8 38.4

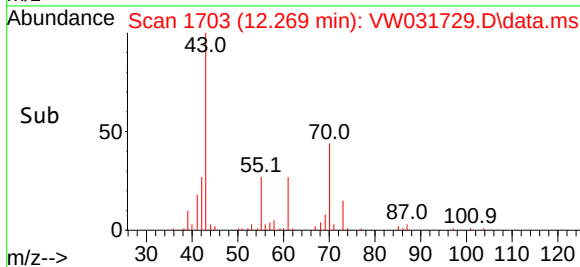
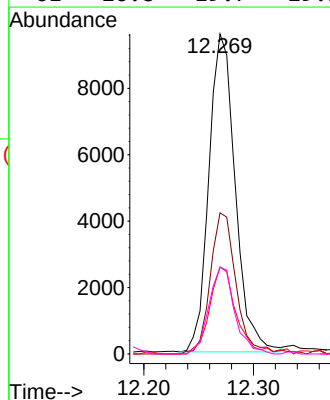
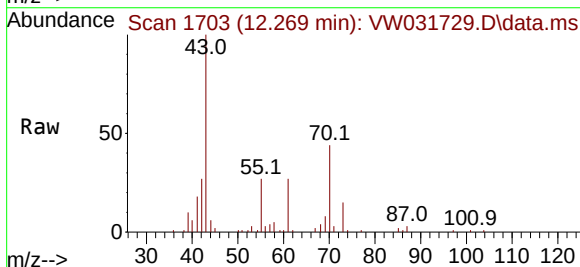
Manual Integrations
APPROVED

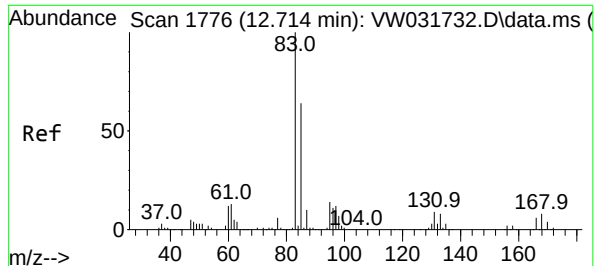
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 4.555 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 15998
Ion Ratio Lower Upper
43 100
70 43.7 36.0 54.0
55 27.9 20.8 31.2
61 26.8 19.7 29.5





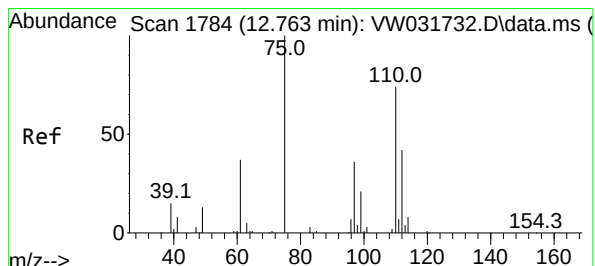
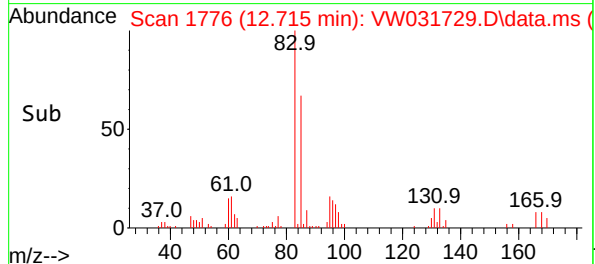
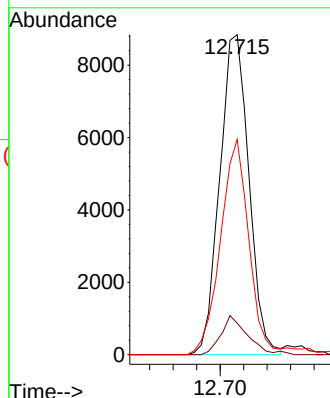
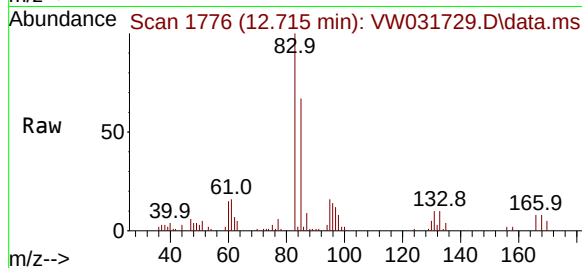
#75
1,1,2,2-Tetrachloroethane
Concen: 5.277 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15264
Ion Ratio Lower Upper
83 100
131 11.2 5.3 16.1
85 65.0 32.0 96.2

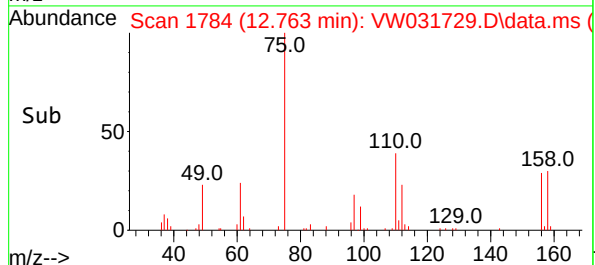
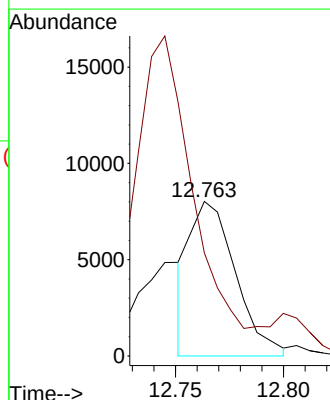
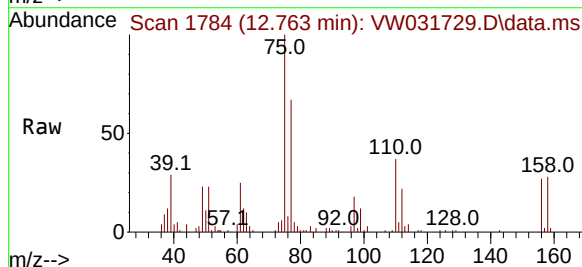
Manual Integrations
APPROVED

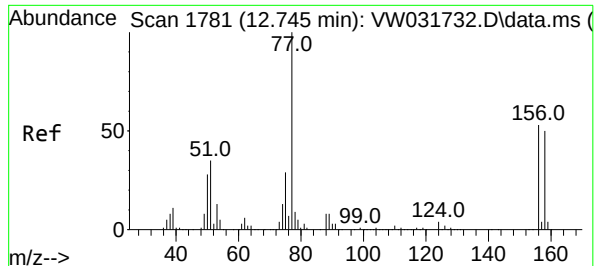
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 5.361 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 11866
Ion Ratio Lower Upper
75 100
77 274.7 141.2 423.6





#77

Bromobenzene

Concen: 5.207 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

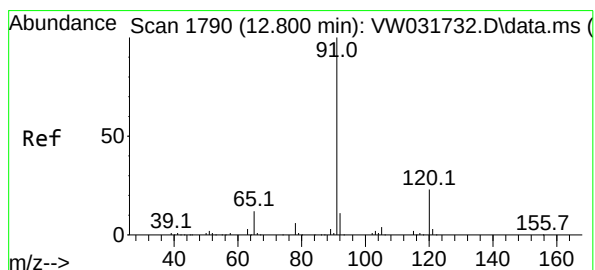
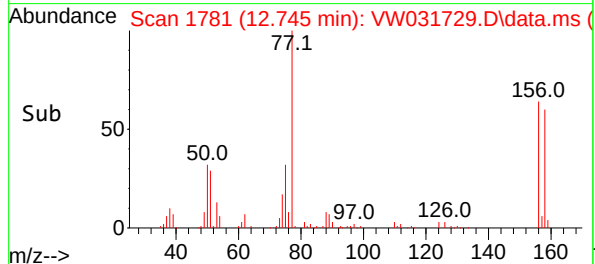
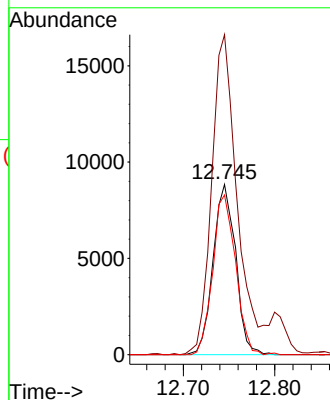
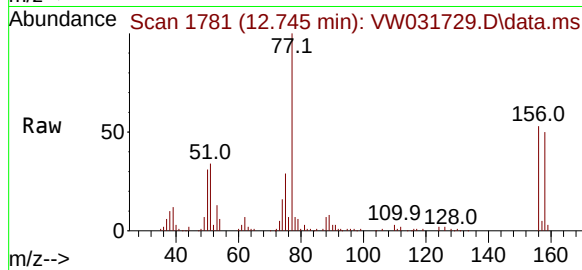
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	1513
Ion Ratio	Lower	Upper	
156	100		
77	215.4	117.9	353.7
158	95.3	52.6	157.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#78

n-propylbenzene

Concen: 4.797 ug/l

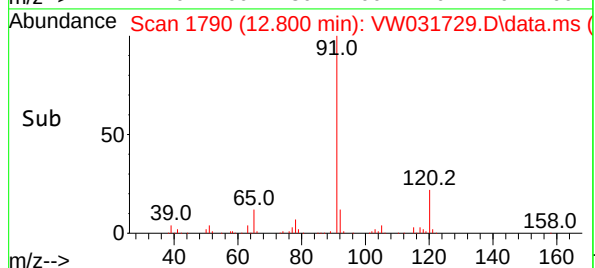
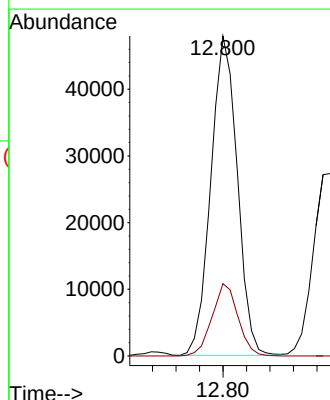
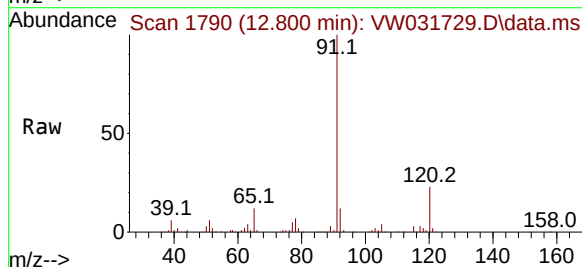
RT: 12.800 min Scan# 1790

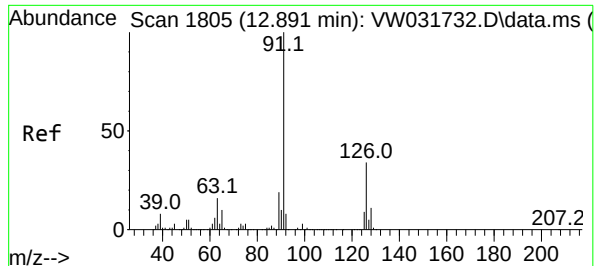
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	91	Resp:	74850
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 4.954 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 4654

Ion Ratio Lower Upper

91 100

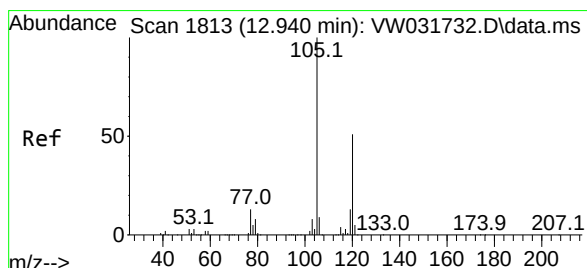
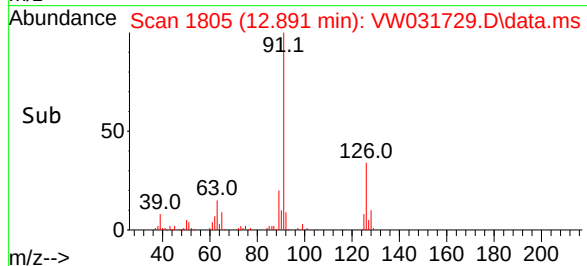
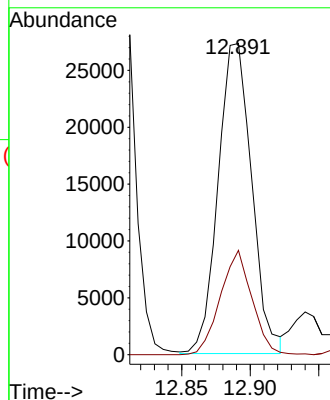
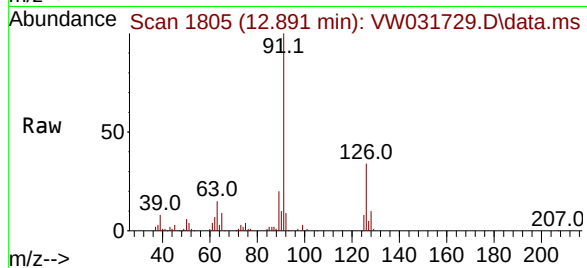
126 31.7 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.680 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031729.D

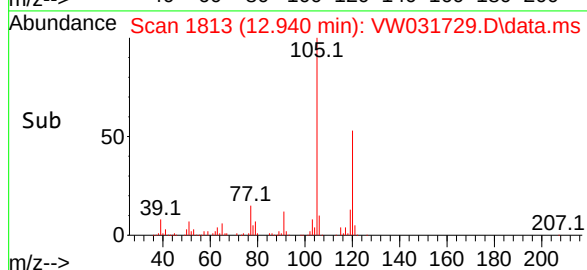
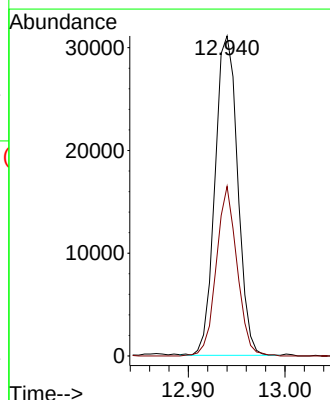
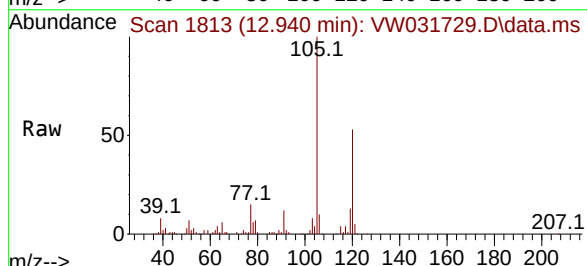
Acq: 30 Jun 2025 09:54

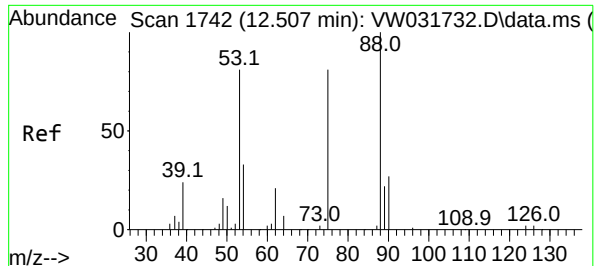
Tgt Ion:105 Resp: 50477

Ion Ratio Lower Upper

105 100

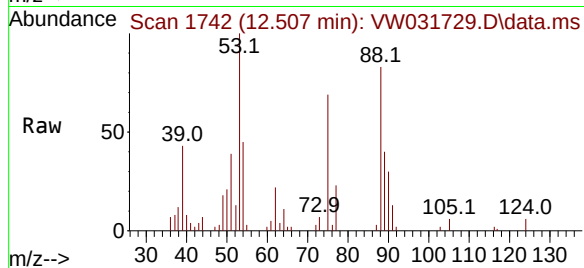
120 48.9 23.8 71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.408 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

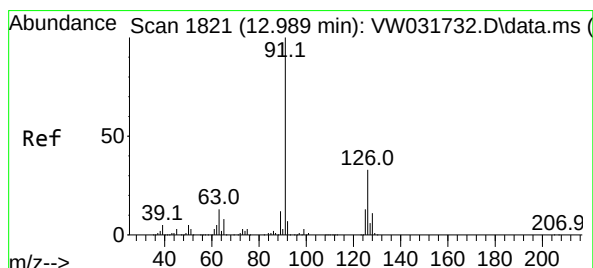
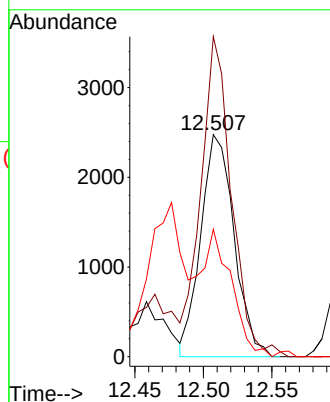
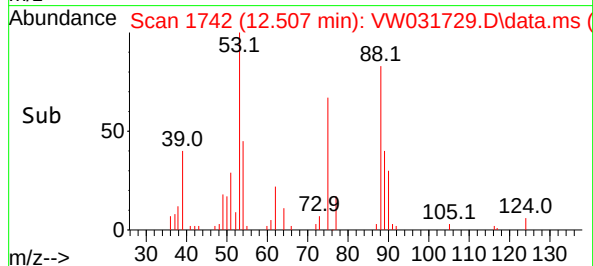
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 4189
Ion Ratio Lower Upper
75 100
53 132.0 83.5 125.3
89 46.3 38.3 57.5

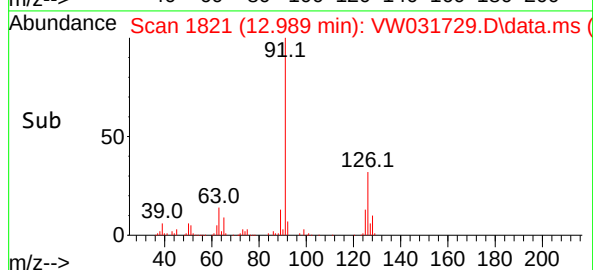
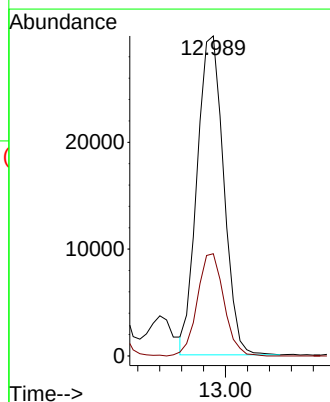
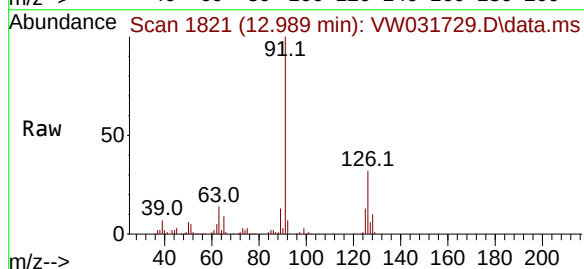
Manual Integrations
APPROVED

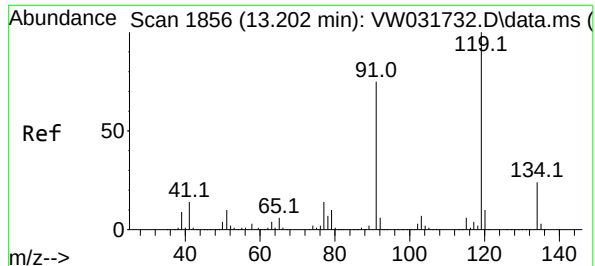
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 5.098 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 50283
Ion Ratio Lower Upper
91 100
126 32.1 16.0 47.9





#83

tert-Butylbenzene

Concen: 4.694 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

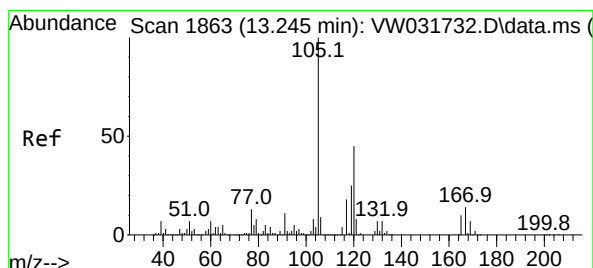
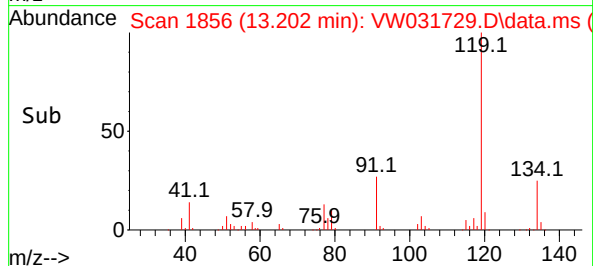
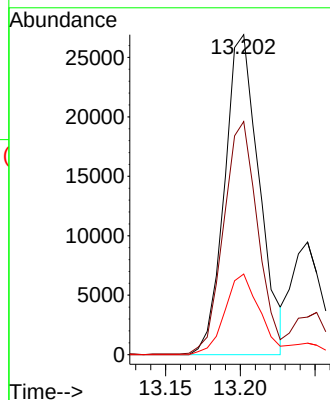
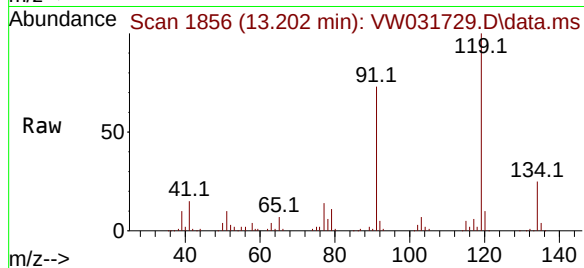
Tgt Ion:	119	Resp:	43370
Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.0	108.1
134	25.8	12.4	37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.788 ug/l

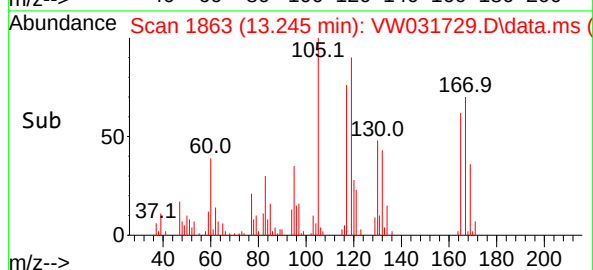
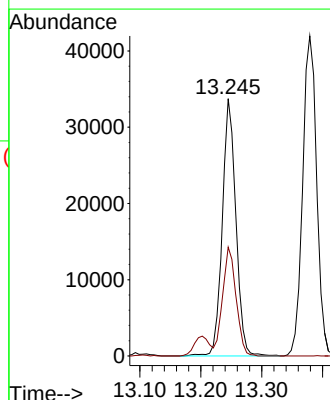
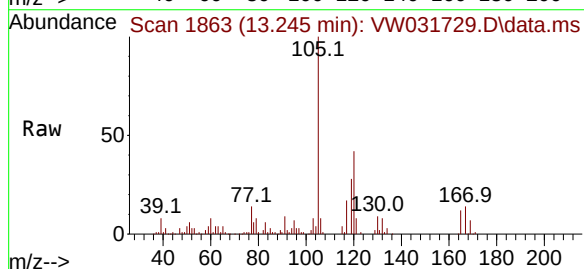
RT: 13.245 min Scan# 1863

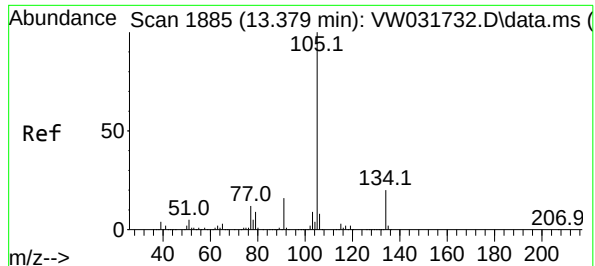
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

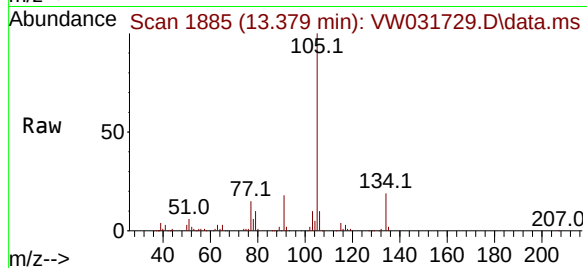
Tgt Ion:	105	Resp:	52319
Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1





#85
sec-Butylbenzene
Concen: 4.835 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

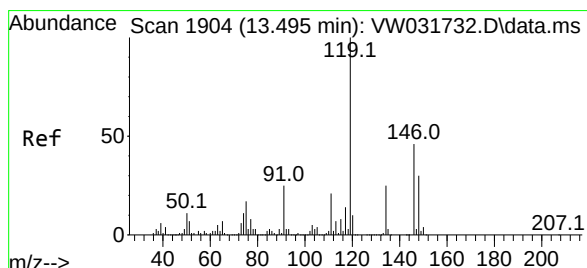
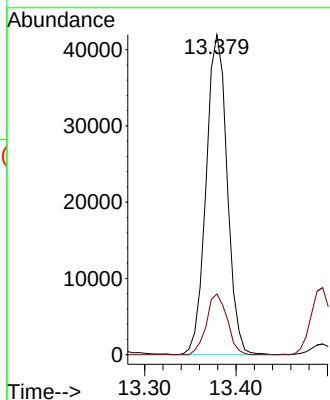
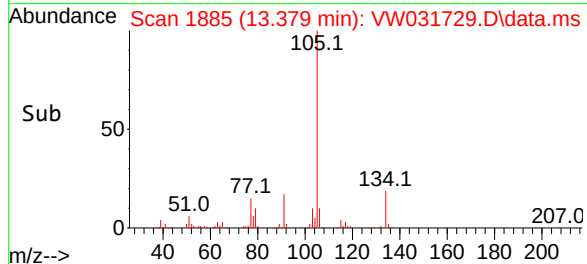
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005



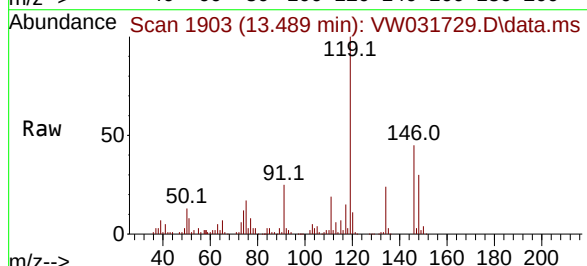
Tgt Ion:105 Resp: 67040
Ion Ratio Lower Upper
105 100
134 18.6 9.6 28.8

Manual Integrations
APPROVED

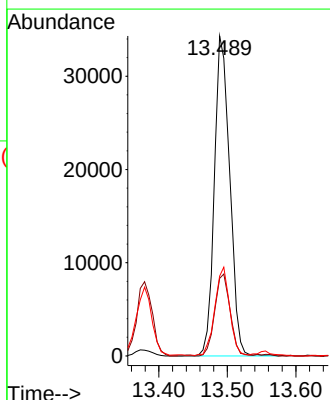
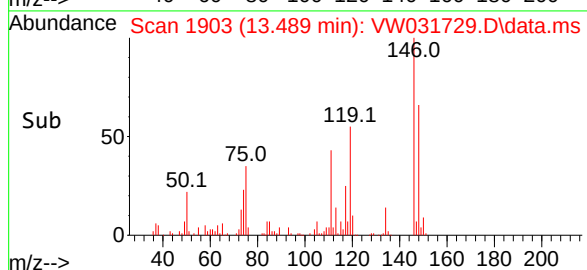
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

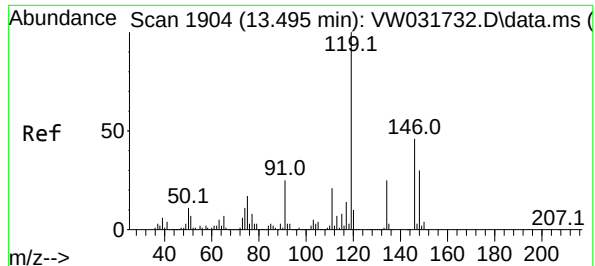


#86
p-Isopropyltoluene
Concen: 4.681 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54



Tgt Ion:119 Resp: 53492
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 26.8 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 5.206 ug/l

RT: 13.501 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

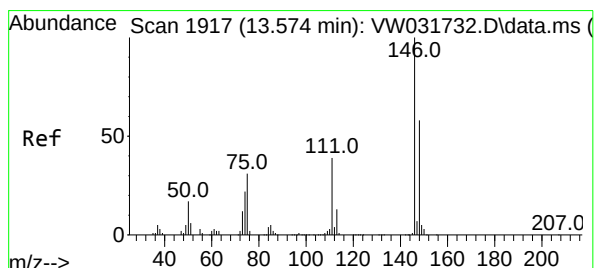
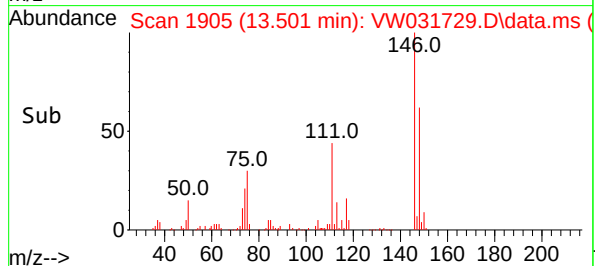
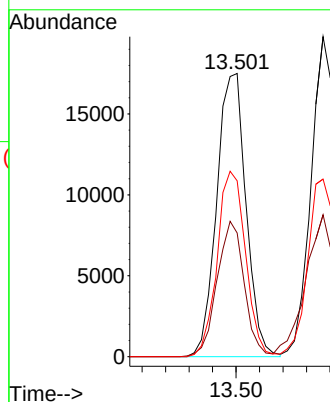
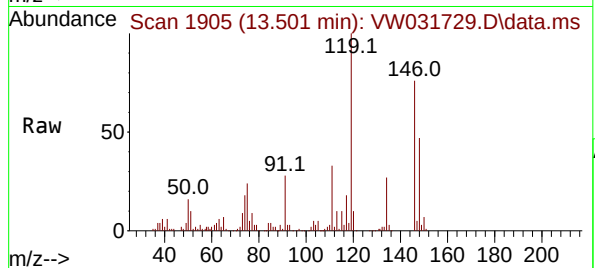
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:146	Resp:	3034
Ion Ratio	Lower	Upper
146	100	
111	44.3	22.3 66.9
148	63.6	31.8 95.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#88

1,4-Dichlorobenzene

Concen: 5.211 ug/l

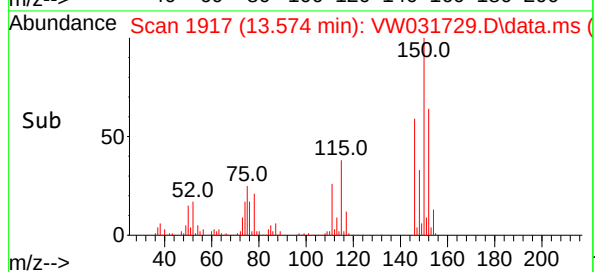
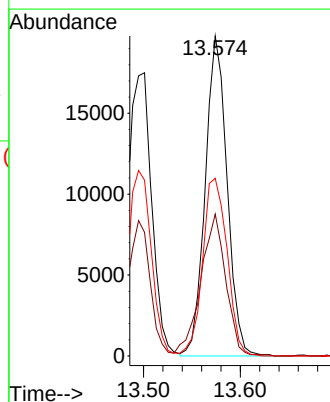
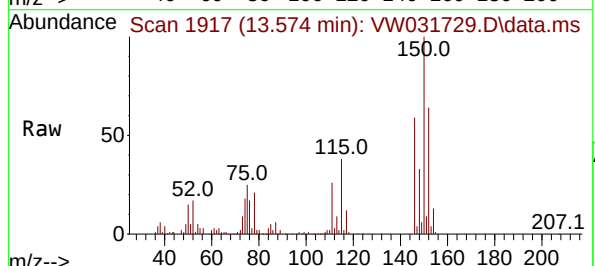
RT: 13.574 min Scan# 1917

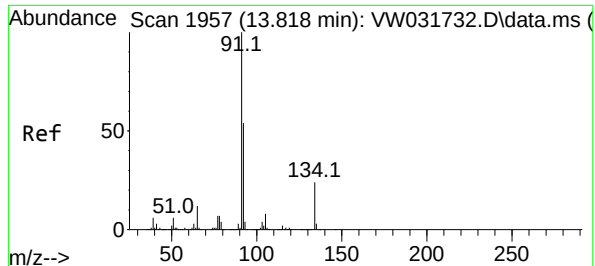
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:146	Resp:	31083
Ion Ratio	Lower	Upper
146	100	
111	50.9	20.4 61.3
148	62.2	30.2 90.6





#89

n-Butylbenzene

Concen: 4.823 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

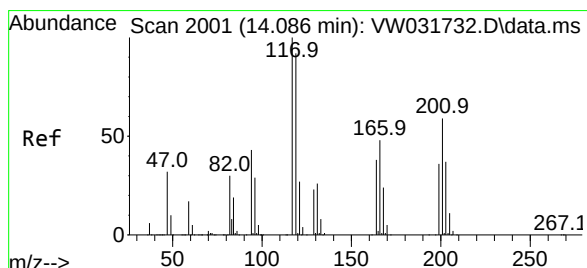
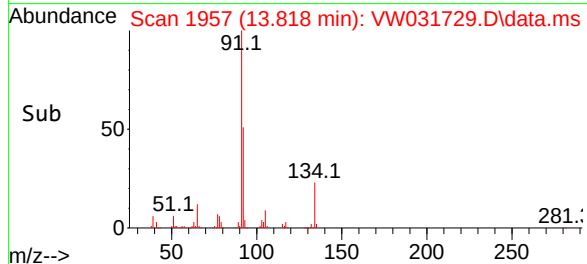
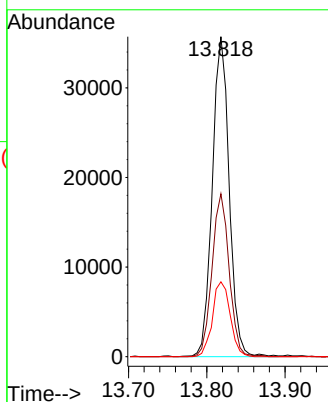
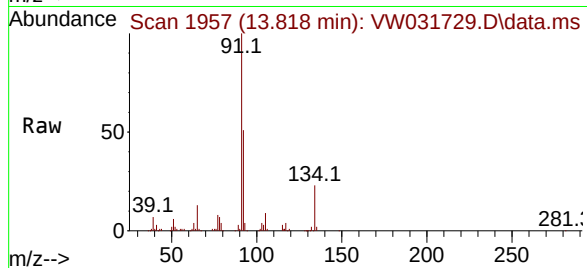
VSTDIC005

Tgt Ion:	91	Resp:	5355
Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.2	81.5
134	24.6	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 4.761 ug/l

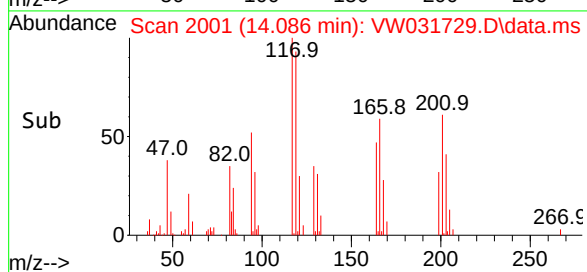
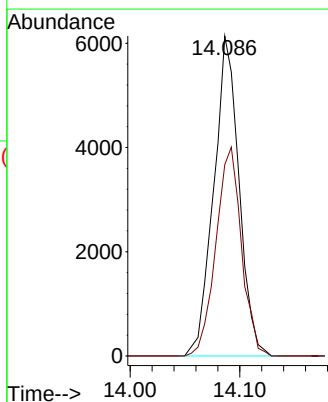
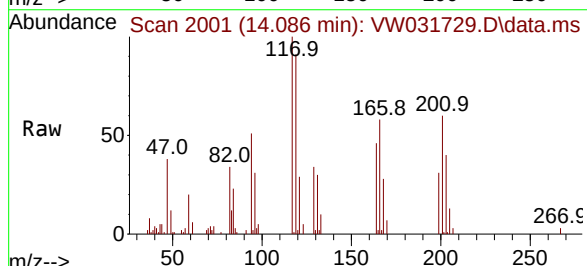
RT: 14.086 min Scan# 2001

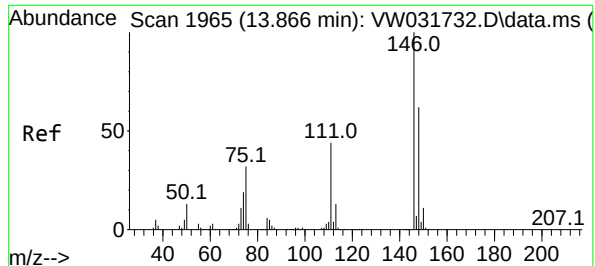
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	117	Resp:	9816
Ion	Ratio	Lower	Upper
117	100		
201	66.0	31.1	93.3





#91

1,2-Dichlorobenzene

Concen: 5.143 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

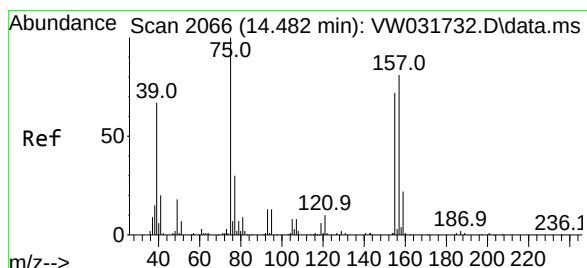
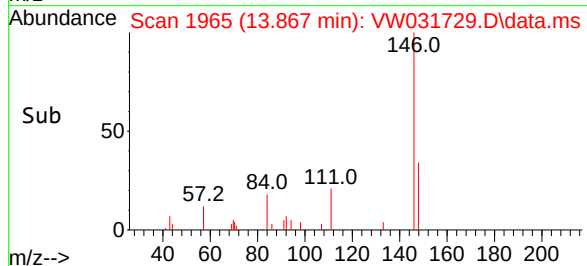
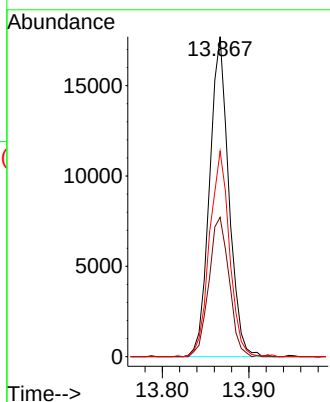
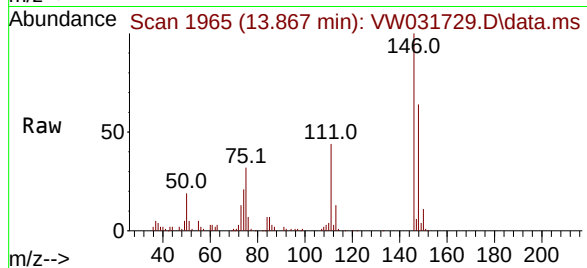
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	2739
Ion Ratio	Lower	Upper	
146	100		
111	45.7	21.7	65.1
148	66.4	29.8	89.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#92

1,2-Dibromo-3-Chloropropane

Concen: 5.138 ug/l

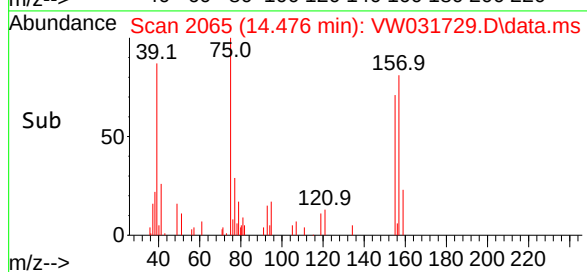
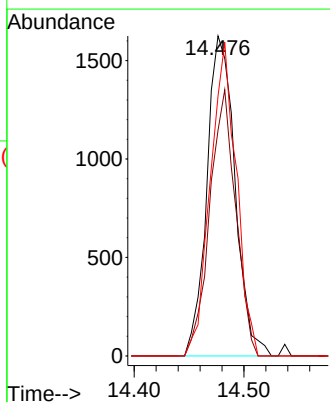
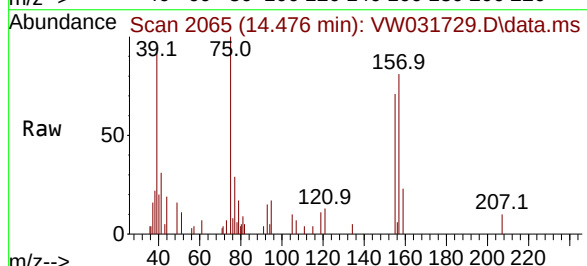
RT: 14.476 min Scan# 2065

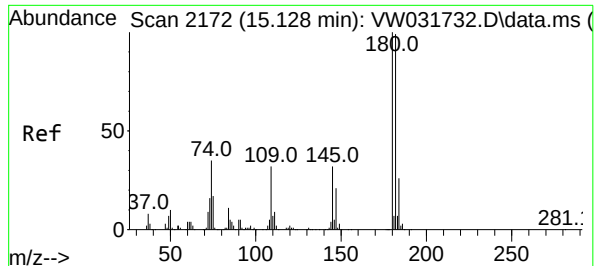
Delta R.T. -0.006 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Tgt Ion:	75	Resp:	2902
Ion Ratio	Lower	Upper	
75	100		
155	76.8	37.2	111.6
157	90.5	45.6	136.9





#93

1,2,4-Trichlorobenzene

Concen: 5.030 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

Instrument :

MSVOA_W

ClientSampleId :

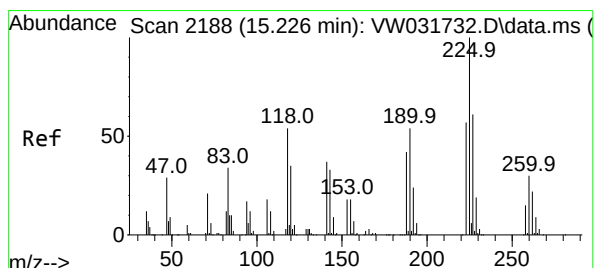
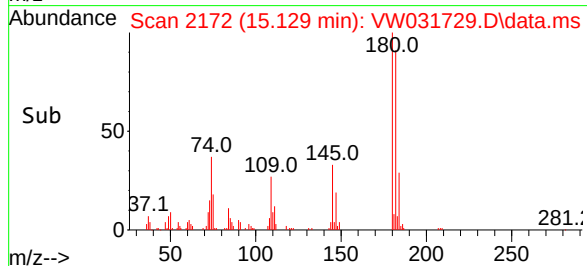
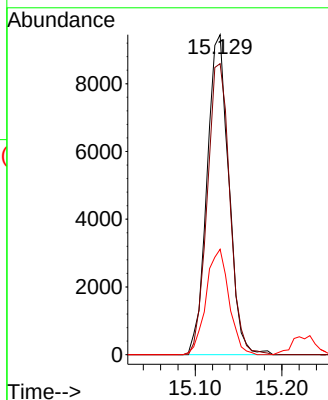
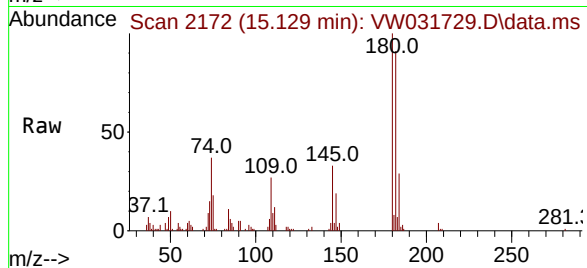
VSTDIC005

Tgt Ion:180	Resp:	16524
Ion Ratio	Lower	Upper
180	100	
182	93.8	48.6 145.9
145	34.5	17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 5.120 ug/l

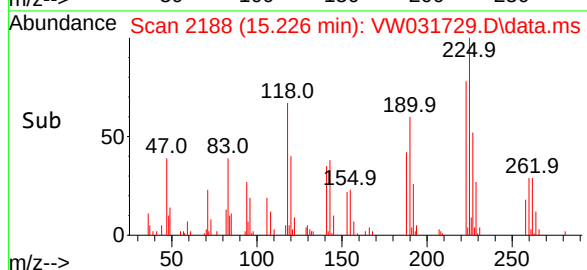
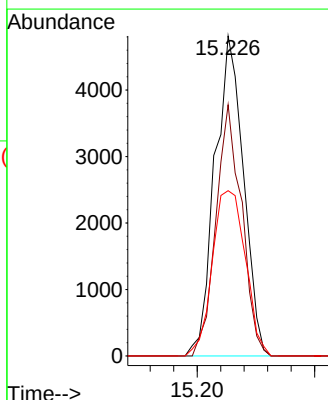
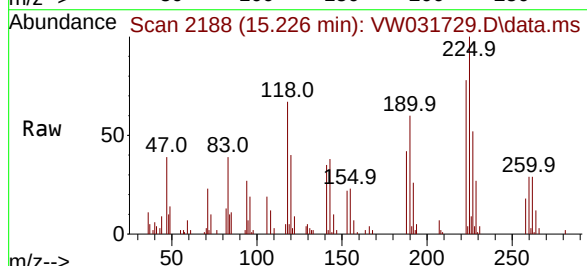
RT: 15.226 min Scan# 2188

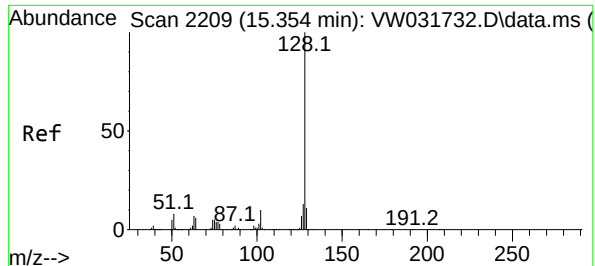
Delta R.T. 0.000 min

Lab File: VW031729.D

Acq: 30 Jun 2025 09:54

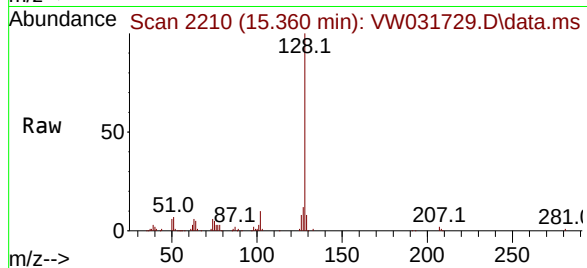
Tgt Ion:225	Resp:	8122
Ion Ratio	Lower	Upper
225	100	
223	70.6	32.6 97.8
227	59.9	37.3 111.8





#95
Naphthalene
Concen: 4.647 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

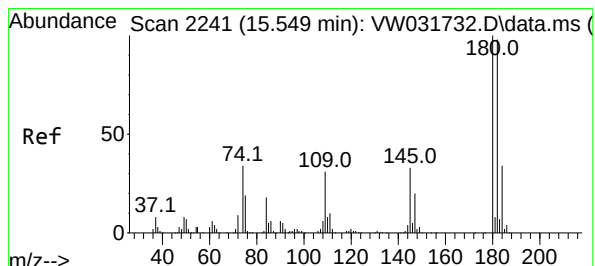
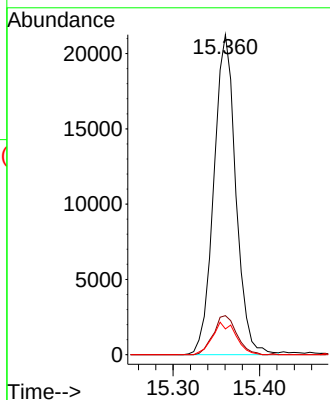
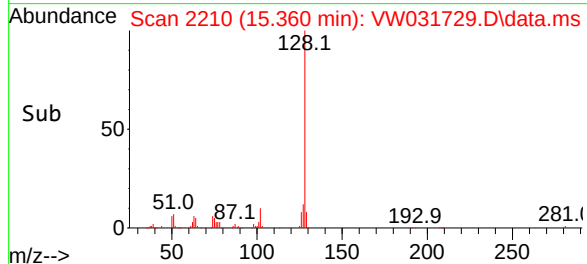
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005



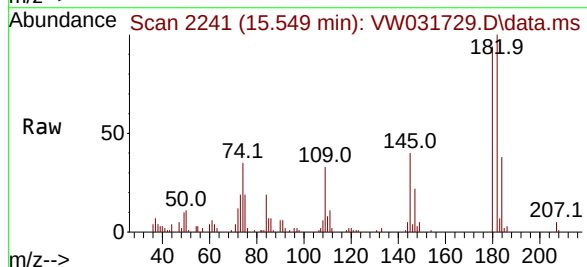
Tgt Ion:128 Resp: 3742
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.9 8.7 13.1

Manual Integrations
APPROVED

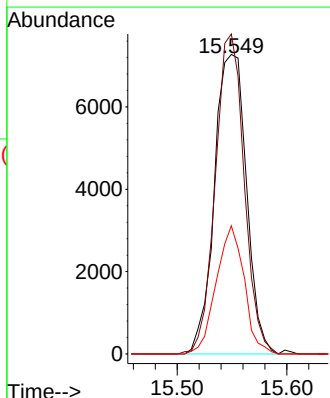
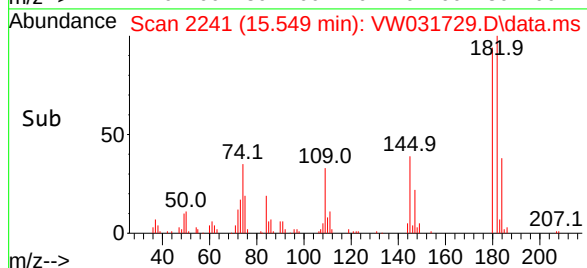
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.895 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54



Tgt Ion:180 Resp: 14775
Ion Ratio Lower Upper
180 100
182 96.2 46.4 139.1
145 37.3 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	20.400%#
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	19.880%#
50) Toluene-d8	10.325	98	96344	10.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	20.500%#
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	20.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l	94
3) Chloromethane	2.253	50	17744	9.993	ug/l	99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l	95
5) Bromomethane	2.820	94	18643	10.226	ug/l	94
6) Chloroethane	2.966	64	16074	10.139	ug/l	91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l	94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l	99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l	99
11) Tert butyl alcohol	5.234	59	10031m	52.167	ug/l	
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l	95
13) Acrolein	3.929	56	18553	53.683	ug/l	100
14) Allyl chloride	4.704	41	39145	9.900	ug/l	100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l	99
16) Acetone	4.161	43	41372	53.597	ug/l	97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l	98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l	95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l	87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l	95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l	98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l	99
25) 2-Butanone	7.197	43	48340	48.435	ug/l	97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l	99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l	98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l	98
30) Chloroform	7.691	83	53600	10.090	ug/l	99
31) Cyclohexane	7.971	56	46081	10.427	ug/l #	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l	98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l	99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l	99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l	97
40) Benzene	8.337	78	107869	9.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485	ug/l	87
42) 1,2-Dichloroethane	8.416	62	37957	10.390	ug/l	99
43) Isopropyl Acetate	8.441	43	39393	9.913	ug/l	99
44) Trichloroethene	9.099	130	26788	9.927	ug/l	98
45) 1,2-Dichloropropane	9.380	63	26605	10.181	ug/l	97
46) Dibromomethane	9.471	93	16818	9.969	ug/l	96
47) Bromodichloromethane	9.654	83	39595	10.009	ug/l	98
48) Methyl methacrylate	9.447	41	20612	10.549	ug/l	96
49) 1,4-Dioxane	9.465	88	4204m	234.072	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050	ug/l	99
52) Toluene	10.392	92	69506	10.041	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872	ug/l #	88
56) Ethyl methacrylate	10.648	69	28317	9.445	ug/l	99
57) 1,3-Dichloropropane	10.934	76	40528	10.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578	ug/l	98
59) 2-Hexanone	10.971	43	77810	50.260	ug/l	97
60) Dibromochloromethane	11.129	129	25734	9.738	ug/l	96
61) 1,2-Dibromoethane	11.233	107	22082	9.981	ug/l	100
64) Tetrachloroethene	10.861	164	22144	9.801	ug/l	90
65) Chlorobenzene	11.654	112	77068	10.113	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975	ug/l	98
67) Ethyl Benzene	11.733	91	131184	9.927	ug/l	98
68) m/p-Xylenes	11.836	106	100863	19.856	ug/l	98
69) o-Xylene	12.166	106	45204	9.611	ug/l	97
70) Styrene	12.184	104	79722	9.805	ug/l	98
71) Bromoform	12.355	173	13967	9.641	ug/l #	99
73) Isopropylbenzene	12.464	105	120857	9.331	ug/l	100
74) N-amyl acetate	12.275	43	33049	9.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	22177m	10.079	ug/l	
77) Bromobenzene	12.745	156	27969	9.682	ug/l	91
78) n-propylbenzene	12.800	91	150962	9.734	ug/l	98
79) 2-Chlorotoluene	12.885	91	90162	9.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808	ug/l	92
82) 4-Chlorotoluene	12.989	91	95411	9.731	ug/l	99
83) tert-Butylbenzene	13.202	119	87194	9.495	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651	ug/l	100
85) sec-Butylbenzene	13.379	105	132016	9.578	ug/l	99
86) p-Isopropyltoluene	13.495	119	107805	9.490	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051	ug/l	94
89) n-Butylbenzene	13.818	91	105923	9.597	ug/l	99
90) Hexachloroethane	14.086	117	19306	9.420	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371	ug/l	98
94) Hexachlorobutadiene	15.226	225	15982	10.136	ug/l	91
95) Naphthalene	15.360	128	71758	8.964	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

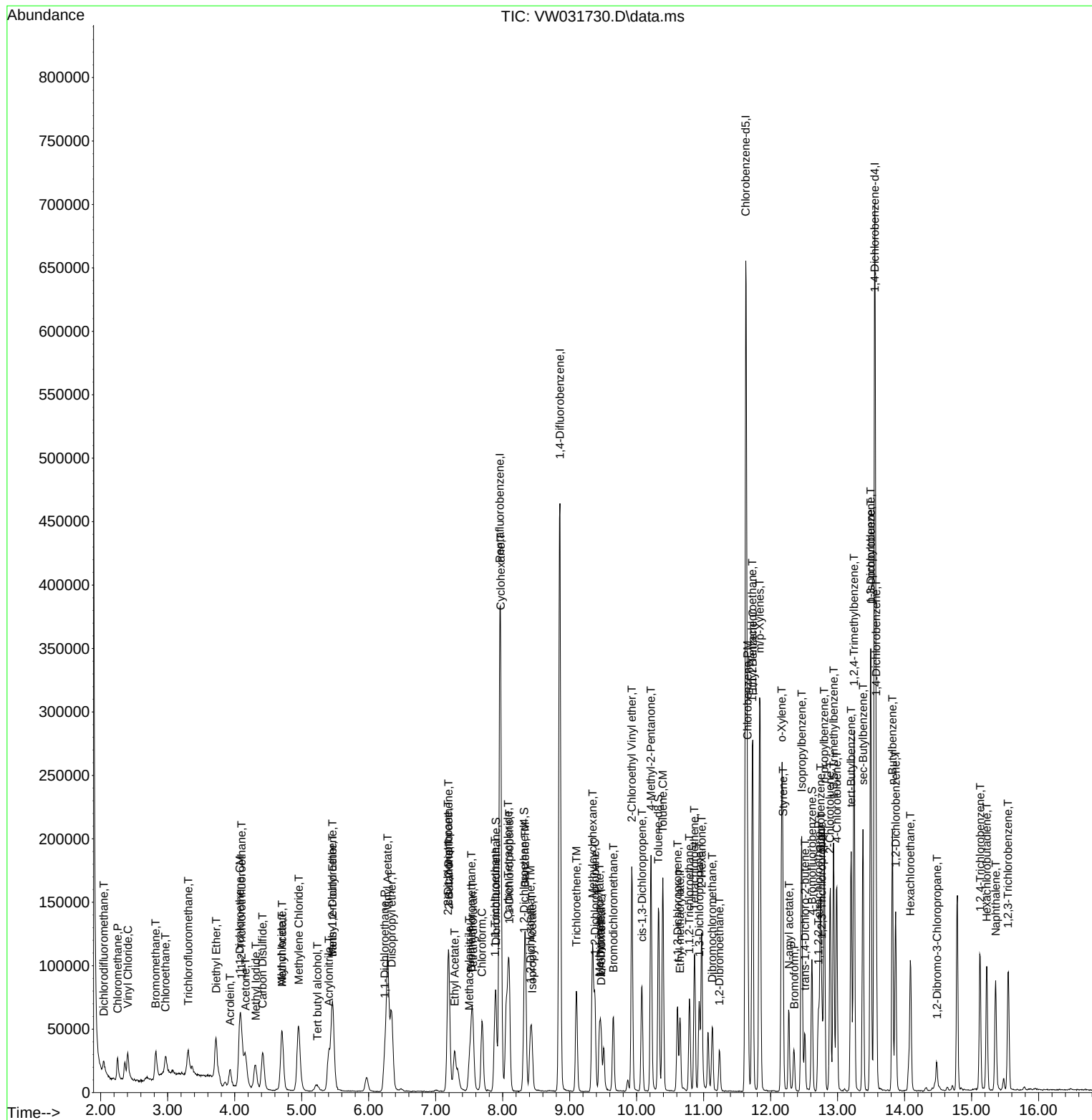
Quant Time: Jul 01 02:18:30 2025

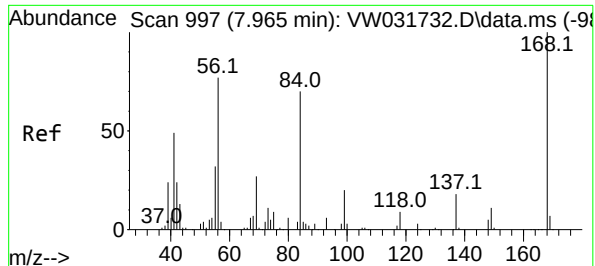
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

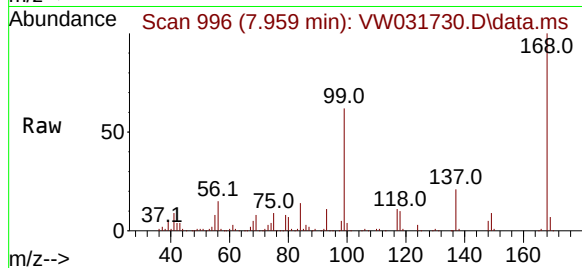
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

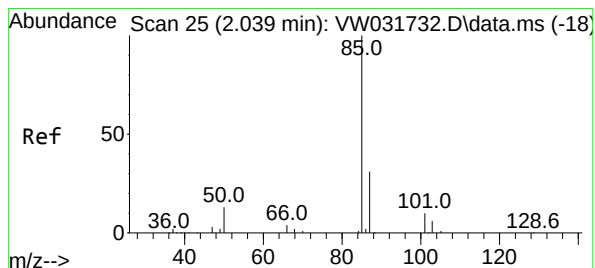
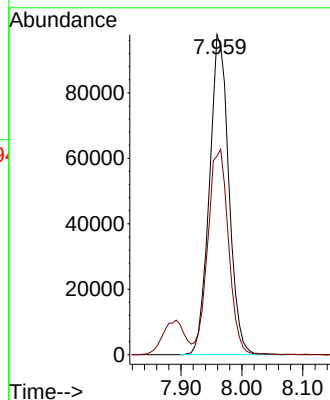
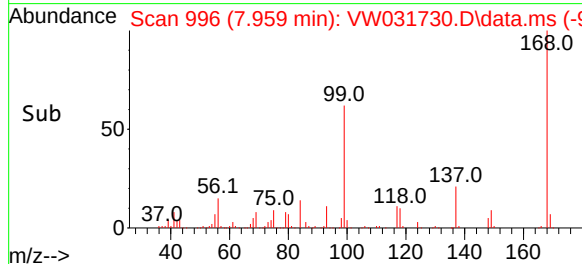
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 21627
Ion Ratio Lower Upper
168 100
99 62.1 49.4 74.2

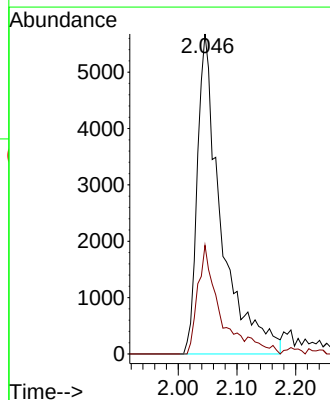
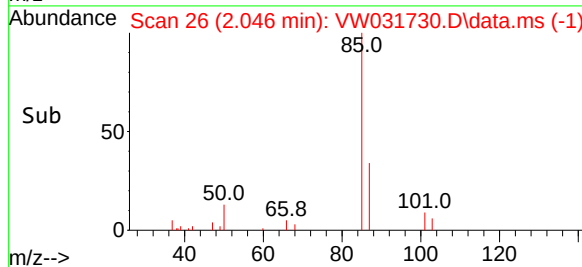
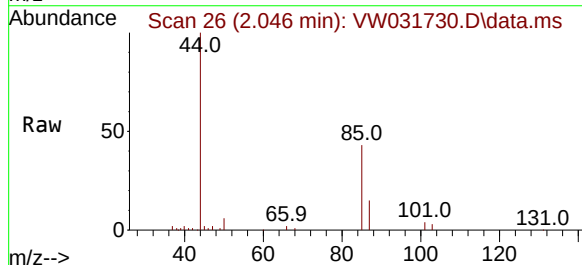
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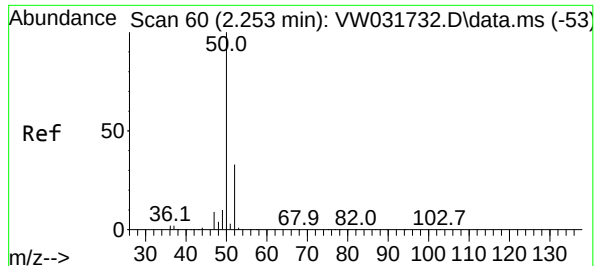
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 10.893 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 85 Resp: 16044
Ion Ratio Lower Upper
85 100
87 33.9 15.4 46.2





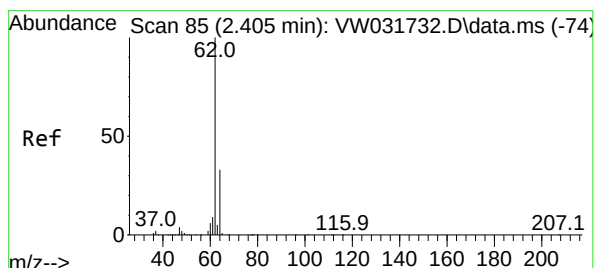
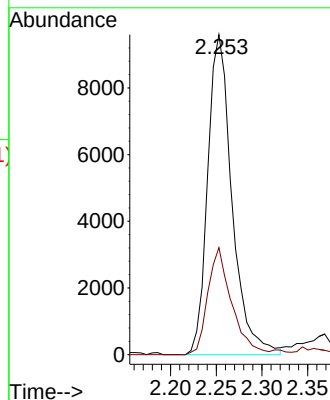
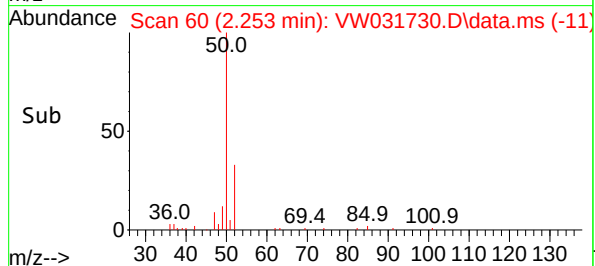
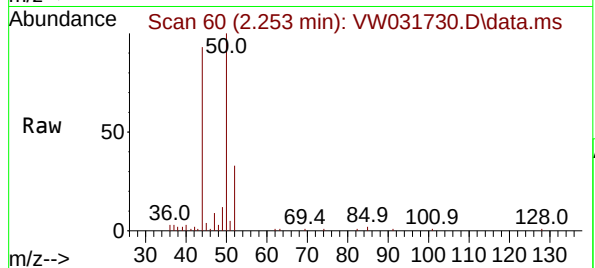
#3
Chloromethane
Concen: 9.993 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 50 Resp: 1774
Ion Ratio Lower Upper
50 100
52 33.5 26.2 39.2

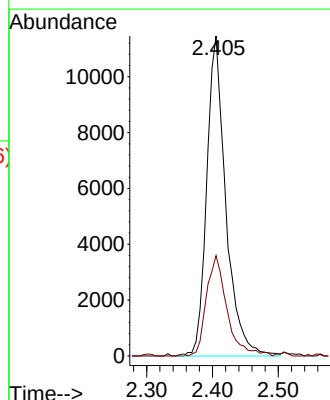
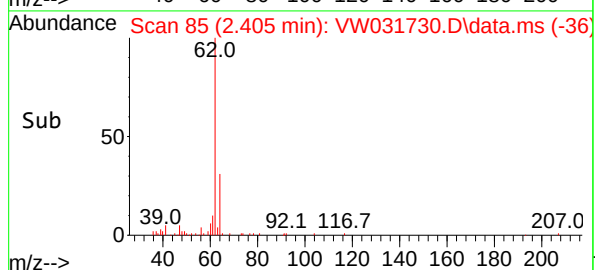
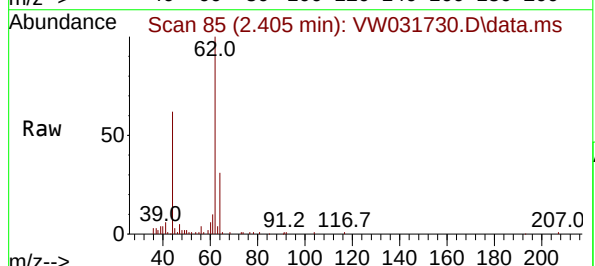
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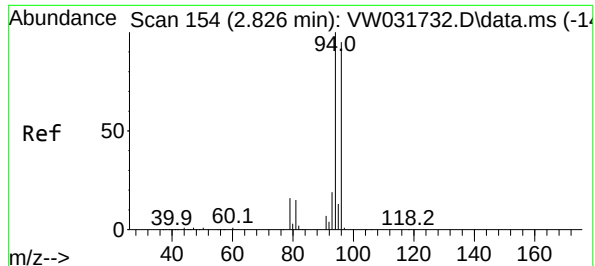
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#4
Vinyl Chloride
Concen: 9.902 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 23112
Ion Ratio Lower Upper
62 100
64 30.9 26.8 40.2





#5

Bromomethane

Concen: 10.226 ug/l

RT: 2.820 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 94 Resp: 1864

Ion Ratio Lower Upper

94 100

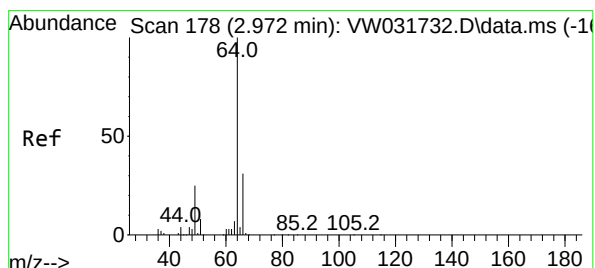
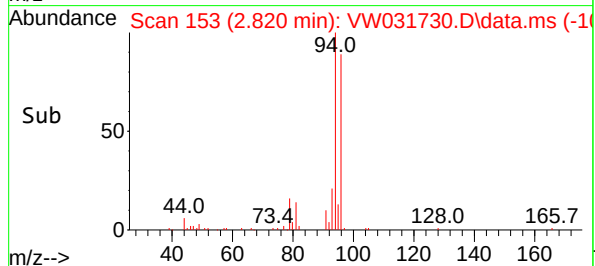
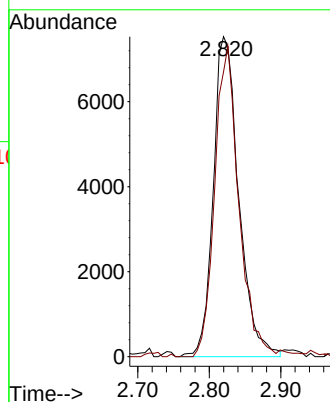
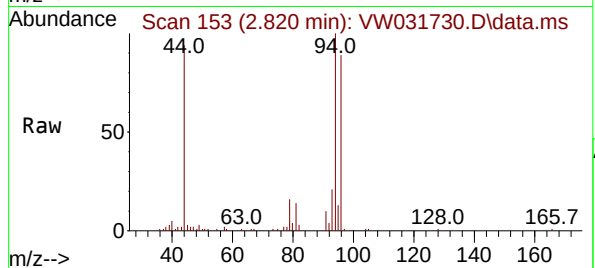
96 89.0 75.6 113.4

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#6

Chloroethane

Concen: 10.139 ug/l

RT: 2.966 min Scan# 177

Delta R.T. -0.006 min

Lab File: VW031730.D

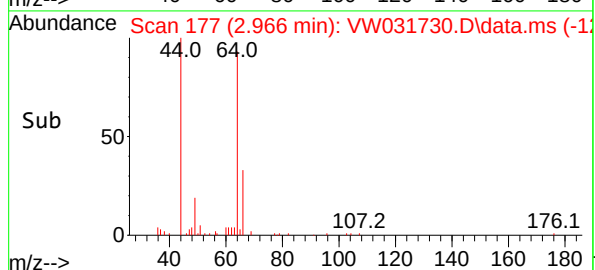
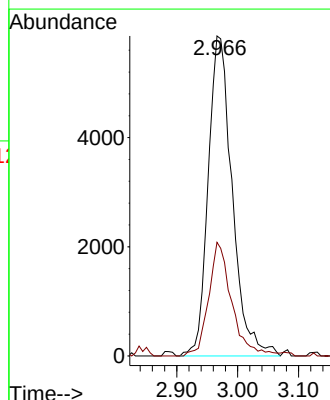
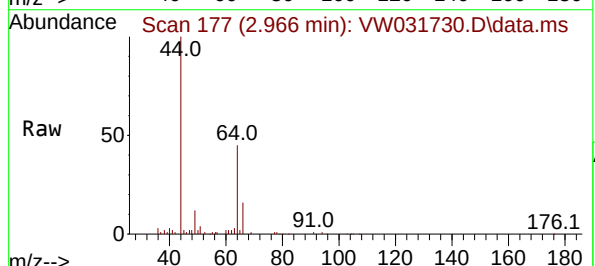
Acq: 30 Jun 2025 10:15

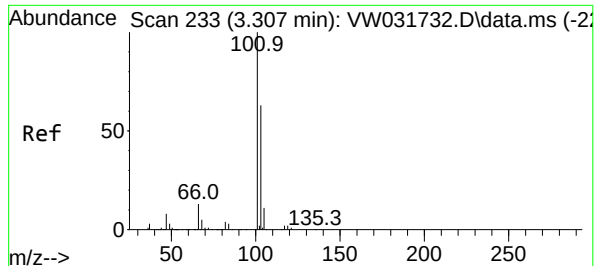
Tgt Ion: 64 Resp: 16074

Ion Ratio Lower Upper

64 100

66 35.5 24.5 36.7





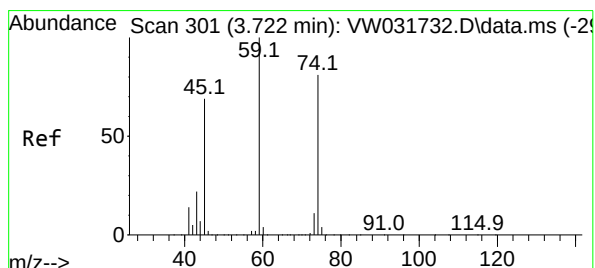
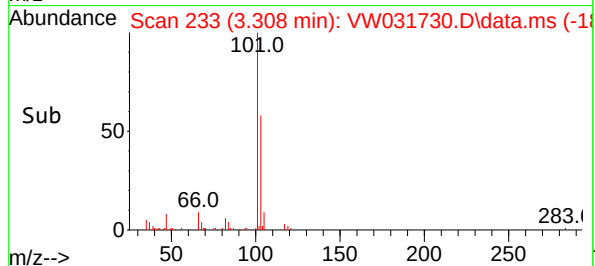
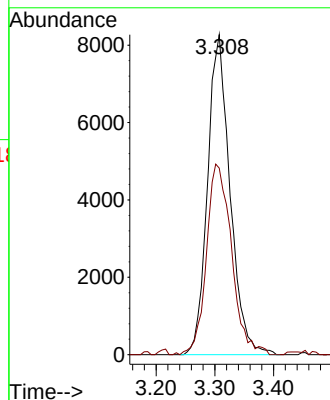
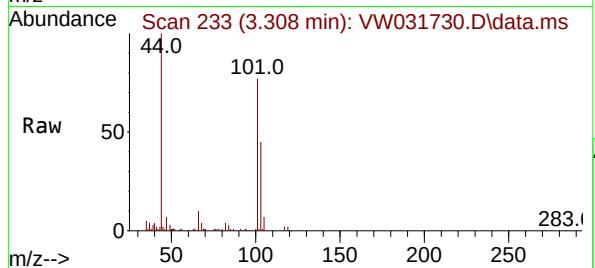
#7
Trichlorofluoromethane
Concen: 10.374 ug/l
RT: 3.308 min Scan# 21990
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 21990
Ion Ratio Lower Upper
101 100
103 58.3 50.2 75.4

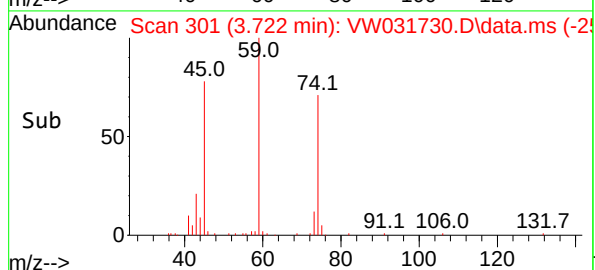
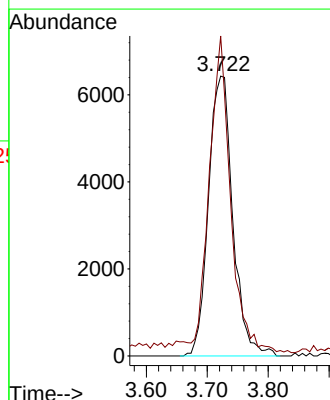
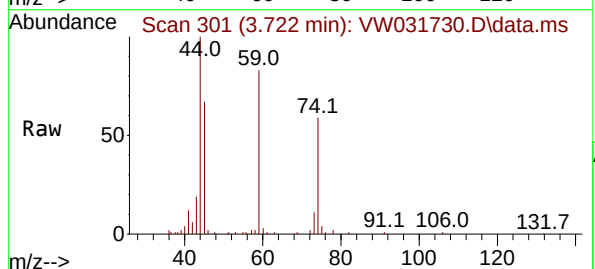
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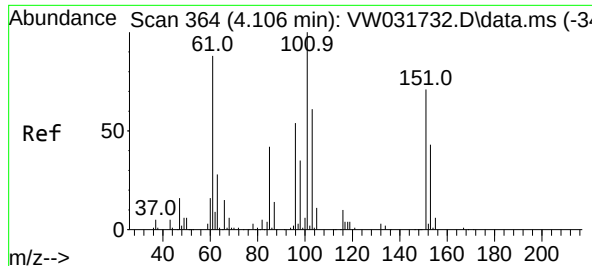
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 11.102 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 74 Resp: 17881
Ion Ratio Lower Upper
74 100
45 98.5 43.9 131.7





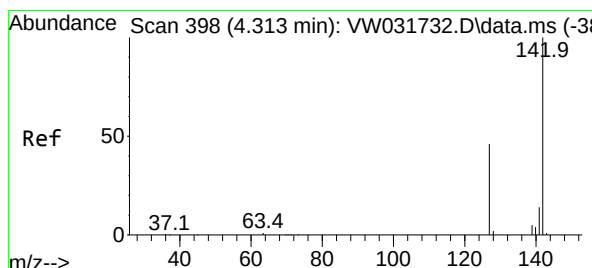
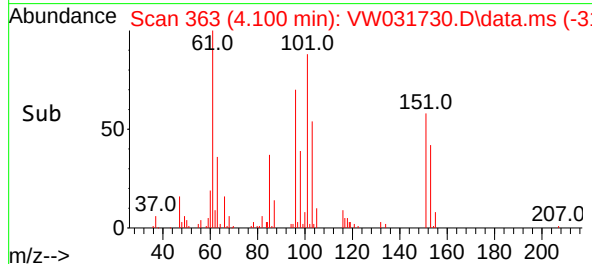
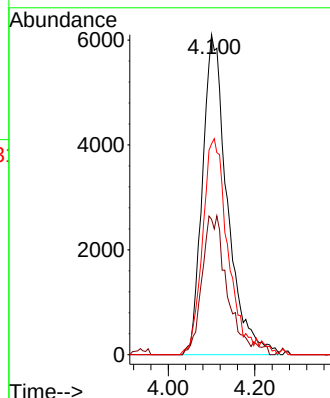
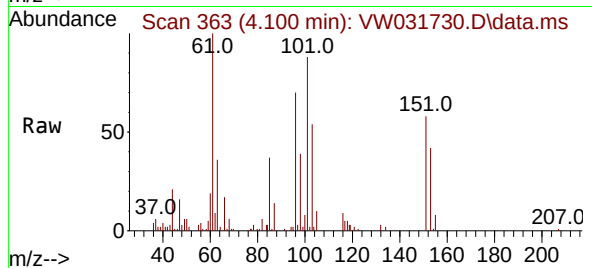
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.346 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 24340
Ion Ratio Lower Upper
101 100
85 43.2 35.6 53.4
151 70.1 56.8 85.2

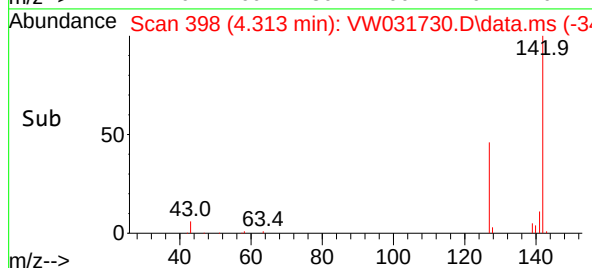
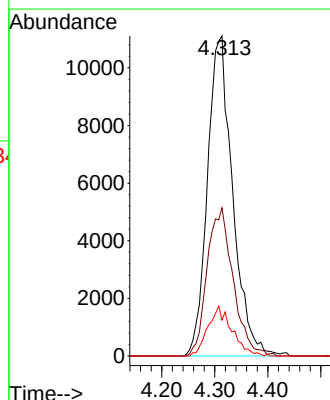
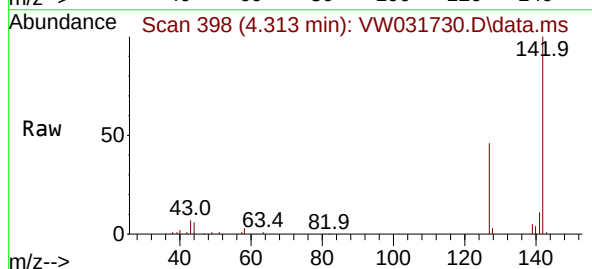
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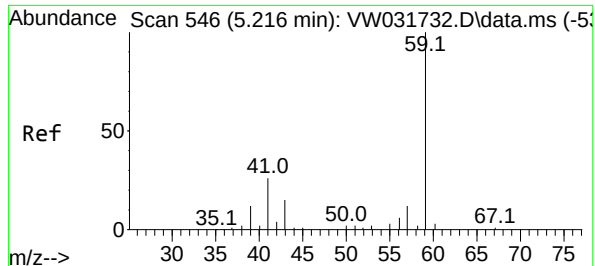
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 10.090 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:142 Resp: 36597
Ion Ratio Lower Upper
142 100
127 47.8 37.9 56.9
141 14.9 11.7 17.5





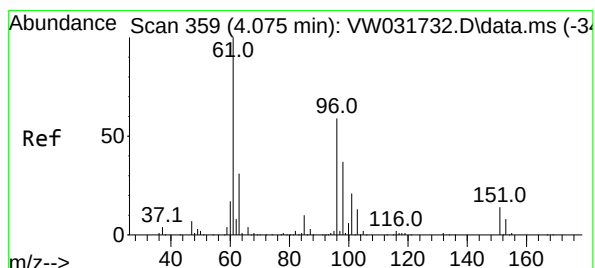
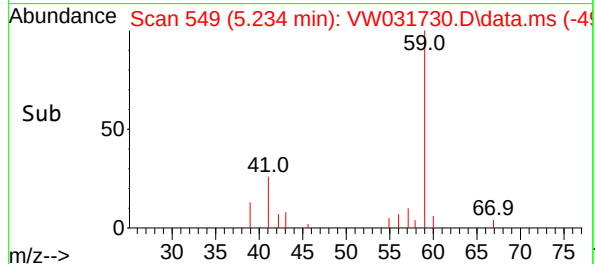
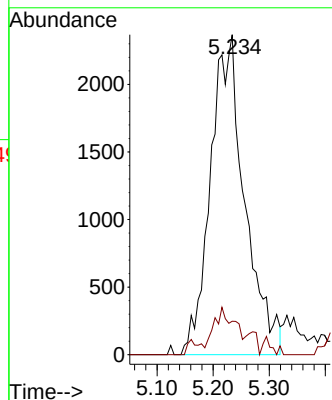
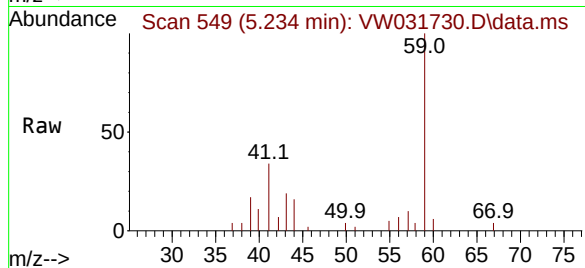
#11
Tert butyl alcohol
Concen: 52.167 ug/l m
RT: 5.234 min Scan# 546
Delta R.T. 0.018 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 1003
Ion Ratio Lower Upper
59 100
57 9.6 9.5 14.3

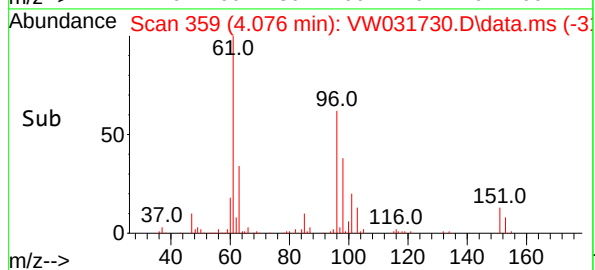
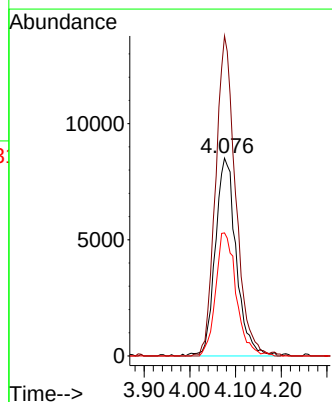
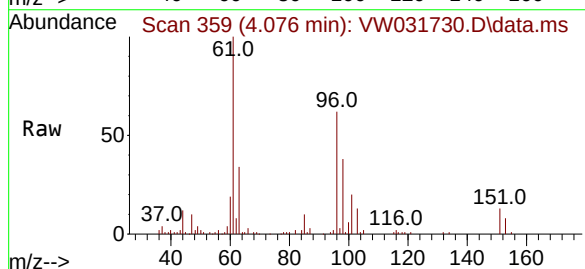
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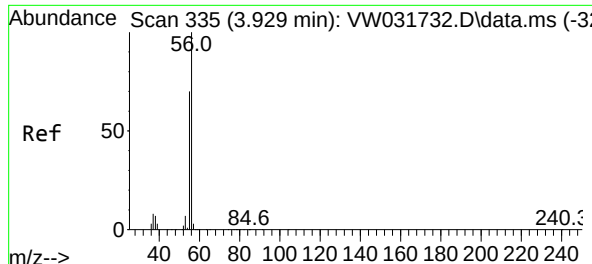
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#12
1,1-Dichloroethene
Concen: 10.495 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 96 Resp: 27046
Ion Ratio Lower Upper
96 100
61 161.9 135.8 203.8
98 62.2 50.4 75.6





#13

Acrolein

Concen: 53.683 ug/l

RT: 3.929 min Scan# 335

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 1855

Ion Ratio Lower Upper

56 100

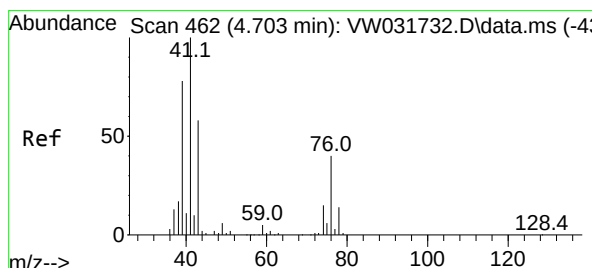
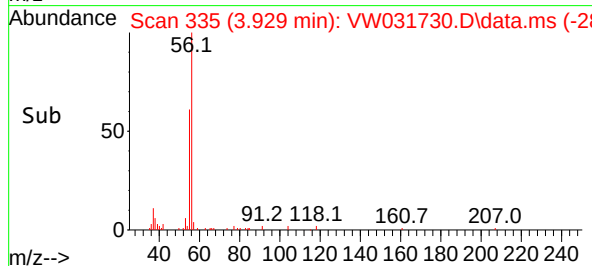
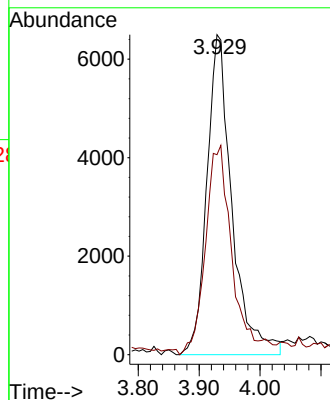
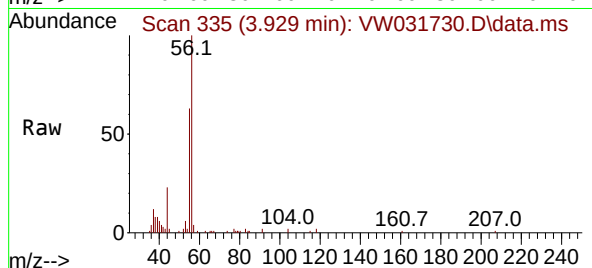
55 67.4 54.0 81.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#14

Allyl chloride

Concen: 9.900 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

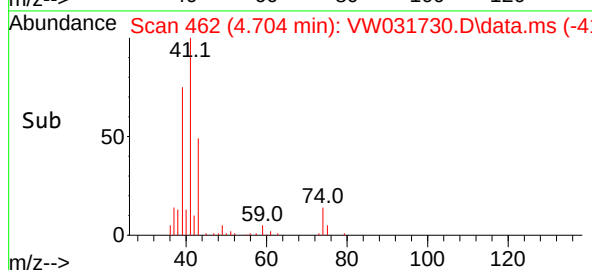
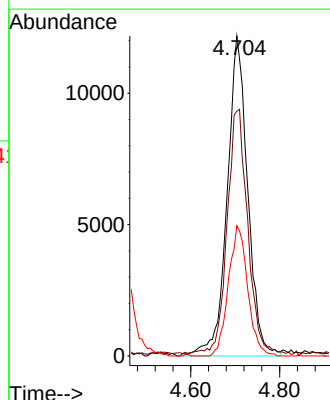
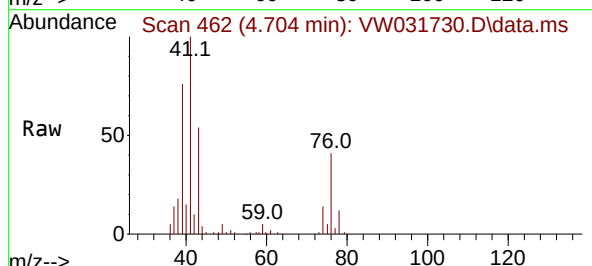
Tgt Ion: 41 Resp: 39145

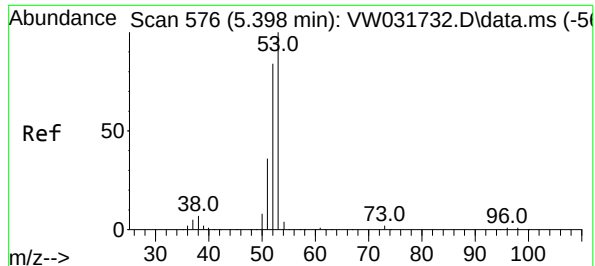
Ion Ratio Lower Upper

41 100

39 76.3 60.7 91.1

76 38.1 30.3 45.5





#15

Acrylonitrile

Concen: 50.867 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

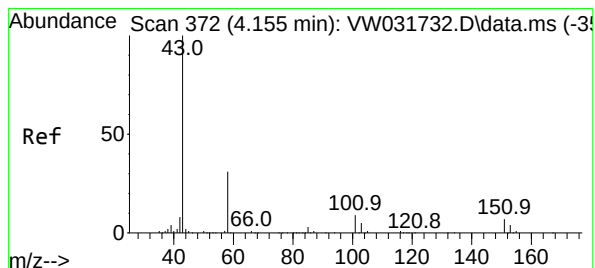
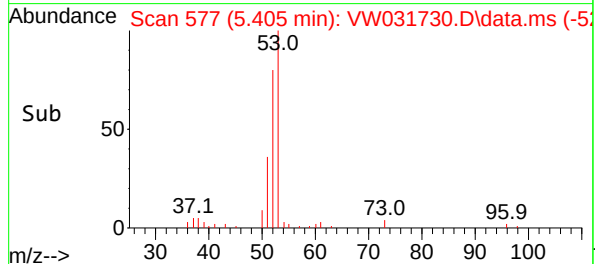
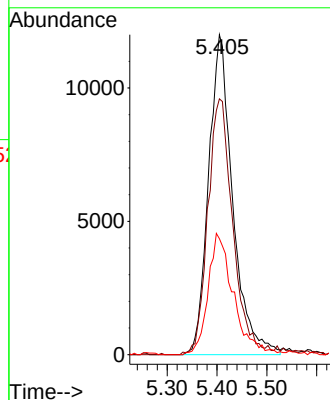
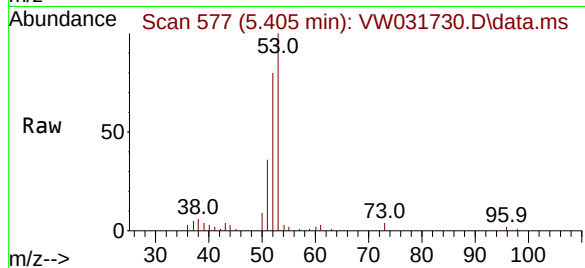
Tgt Ion:	53	Resp:	40289
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	40.0	29.9	44.9

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#16

Acetone

Concen: 53.597 ug/l

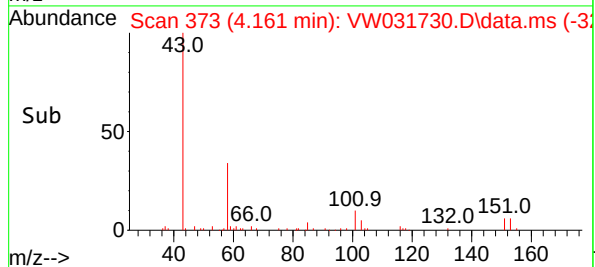
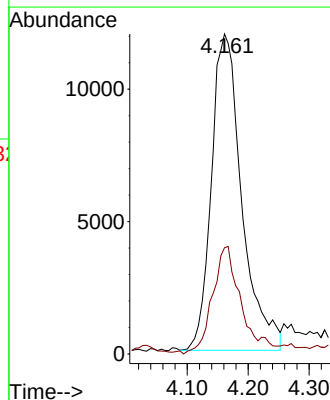
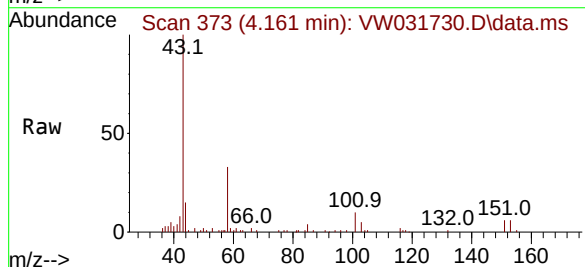
RT: 4.161 min Scan# 373

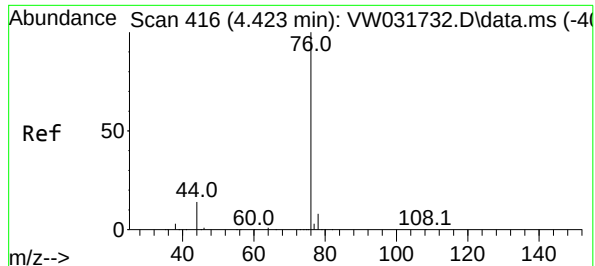
Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	43	Resp:	41372
Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.8	37.2





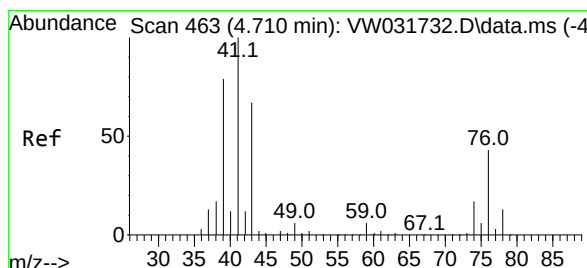
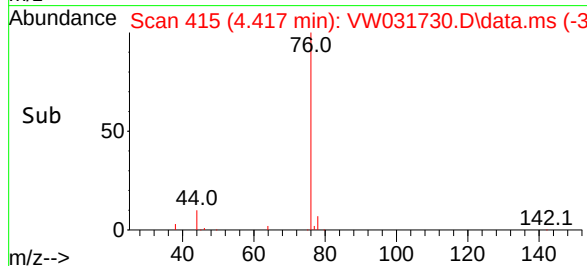
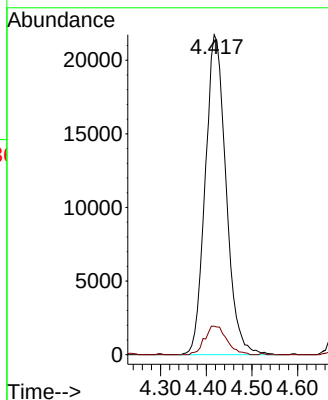
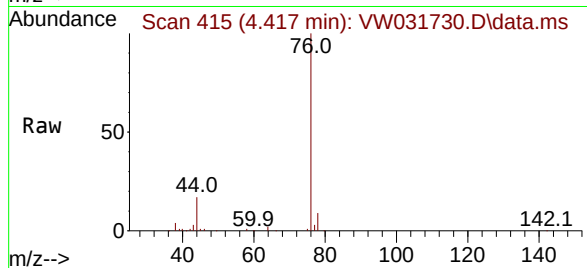
#17
Carbon Disulfide
Concen: 9.958 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 6866
Ion Ratio Lower Upper
76 100
78 8.9 6.6 10.0

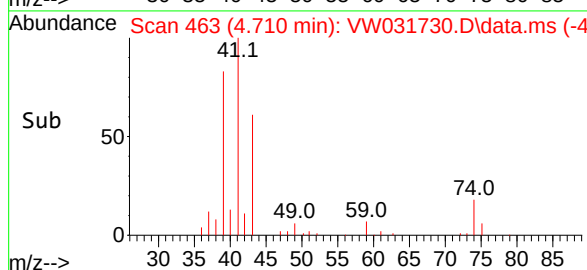
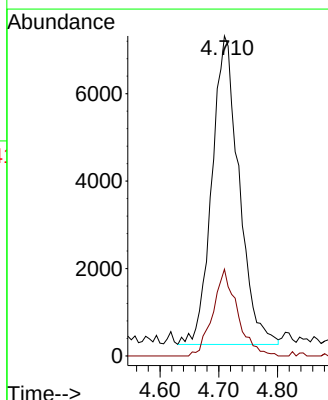
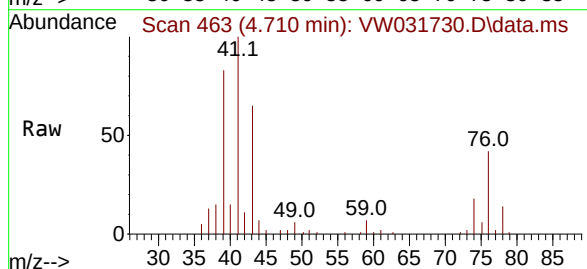
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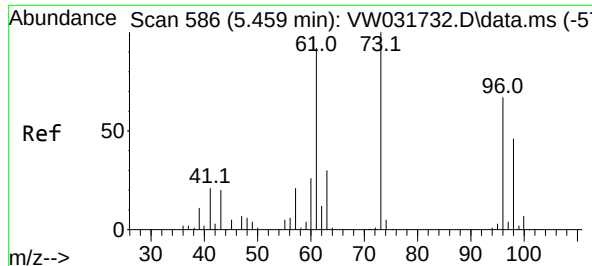
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#18
Methyl Acetate
Concen: 10.321 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 22628
Ion Ratio Lower Upper
43 100
74 25.4 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 10.069 ug/l

RT: 5.460 min Scan# 504

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 4404

Ion Ratio Lower Upper

73 100

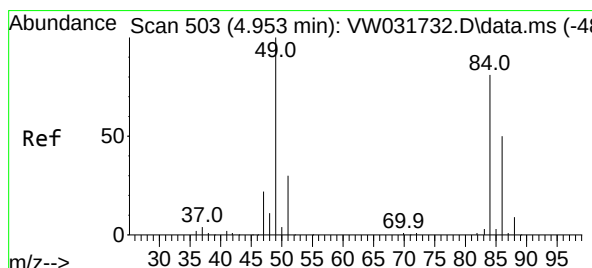
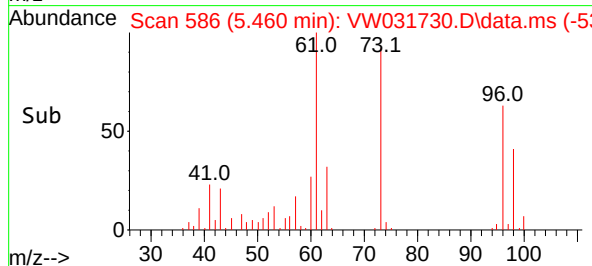
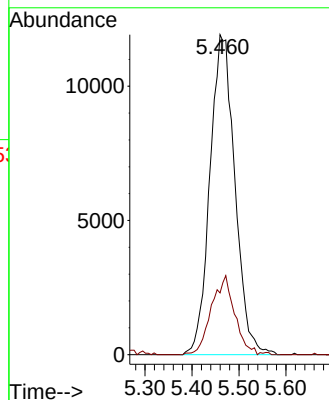
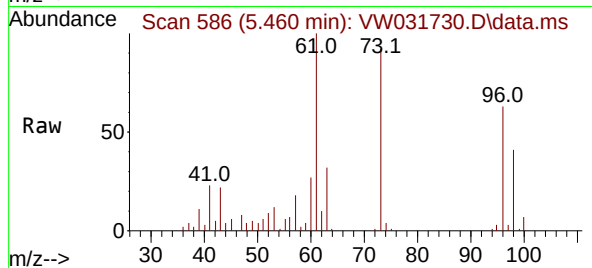
57 19.3 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 10.166 ug/l

RT: 4.960 min Scan# 504

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion: 84 Resp: 42368

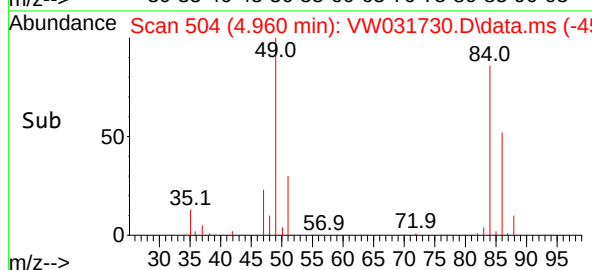
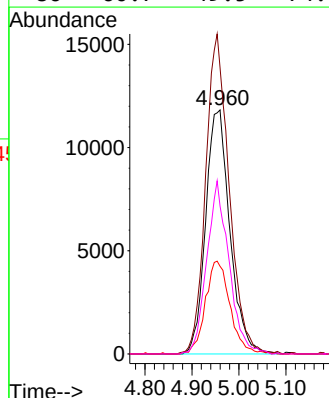
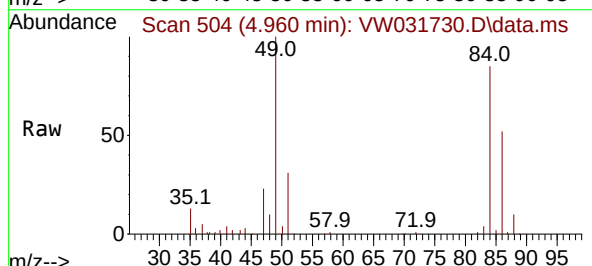
Ion Ratio Lower Upper

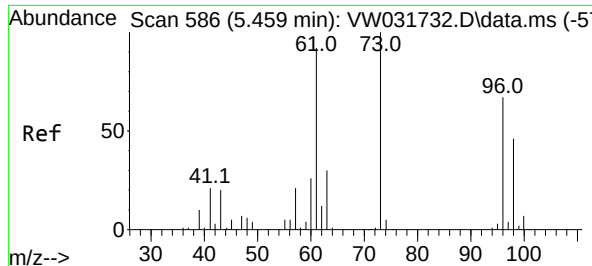
84 100

49 117.0 98.2 147.4

51 35.9 29.8 44.8

86 60.7 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 9.844 ug/l

RT: 5.460 min Scan# 586

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 2695

Ion Ratio Lower Upper

96 100

61 157.5 109.8 164.6

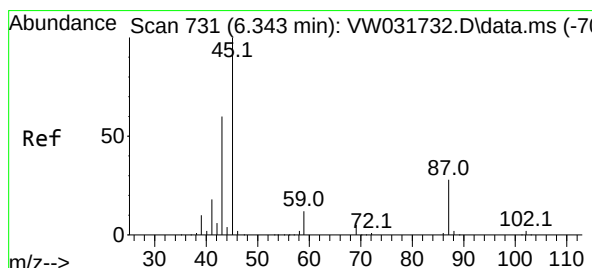
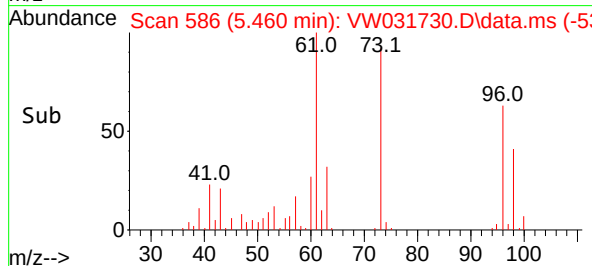
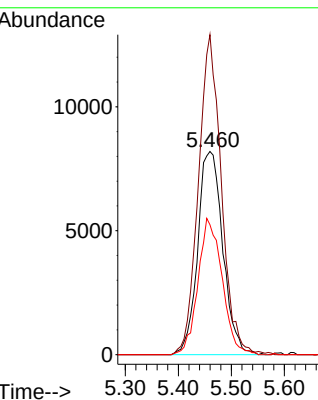
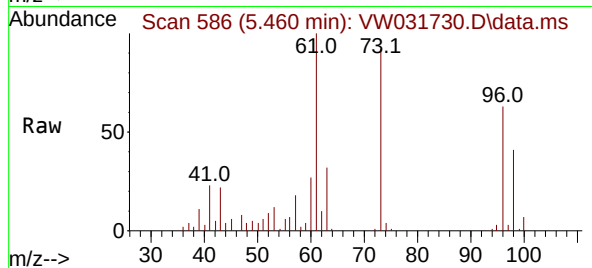
98 64.0 54.9 82.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 10.045 ug/l

RT: 6.344 min Scan# 731

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion: 45 Resp: 77462

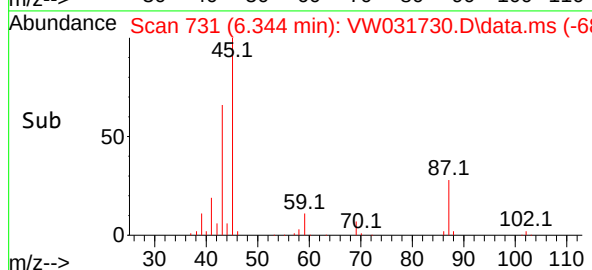
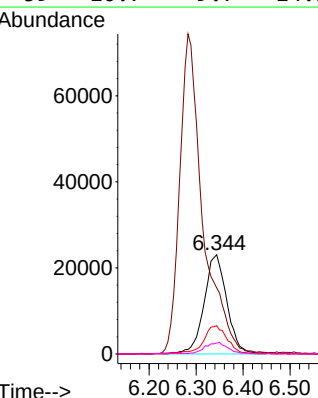
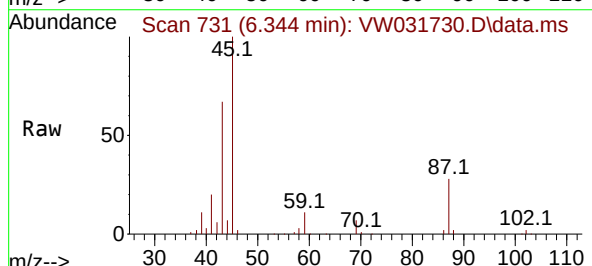
Ion Ratio Lower Upper

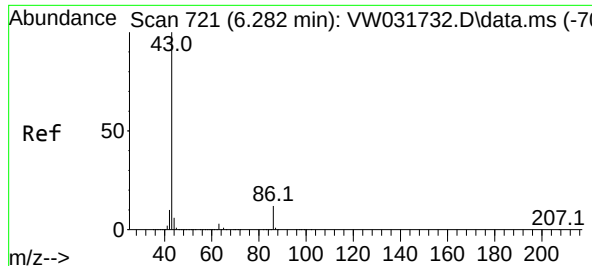
45 100

43 65.5 48.3 72.5

87 28.0 22.6 34.0

59 10.7 9.7 14.5





#23

Vinyl Acetate

Concen: 48.380 ug/l

RT: 6.283 min Scan# 714

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 25482

Ion Ratio Lower Upper

43 100

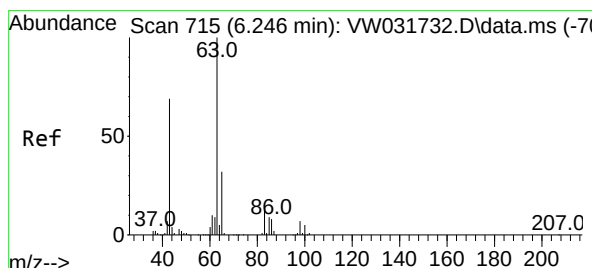
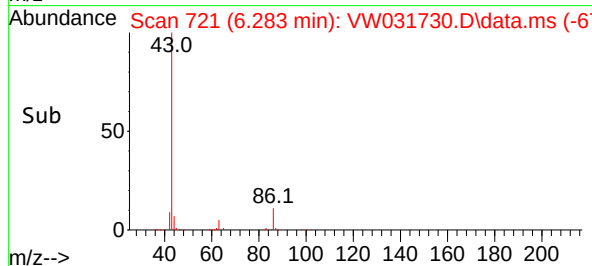
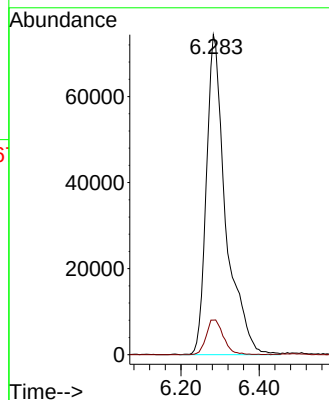
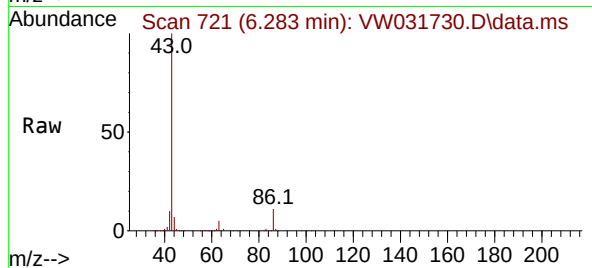
86 10.8 9.2 13.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 10.061 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

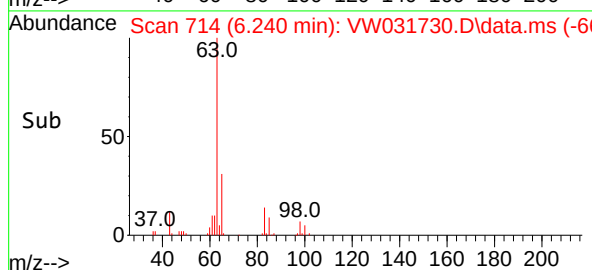
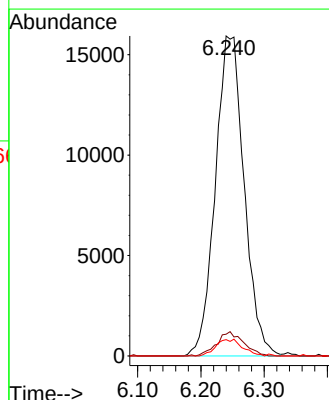
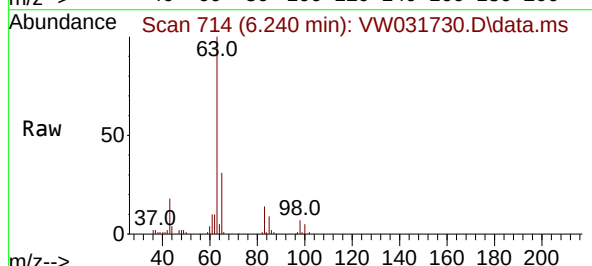
Tgt Ion: 63 Resp: 50299

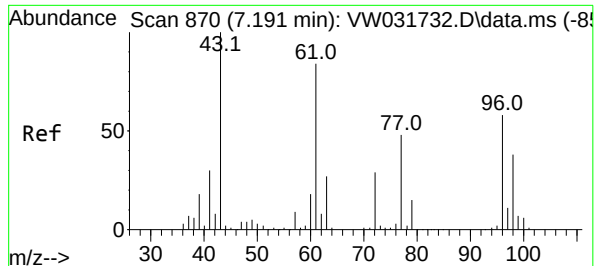
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 48.435 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 48340

Ion Ratio Lower Upper

43 100

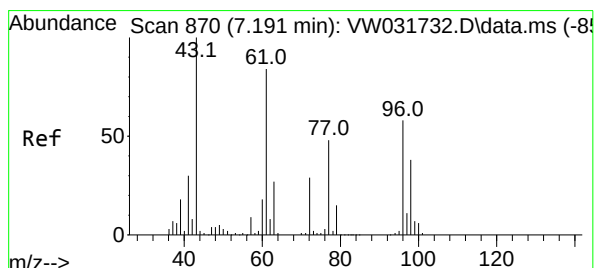
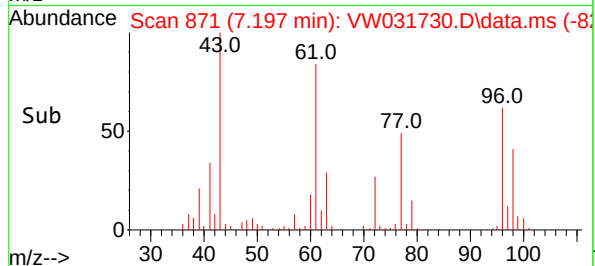
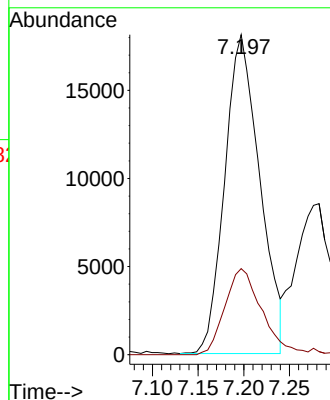
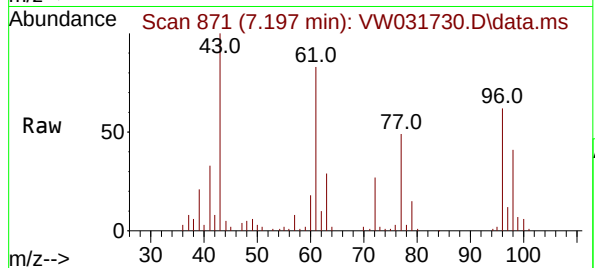
72 27.0 23.0 34.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#26

2,2-Dichloropropane

Concen: 10.130 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW031730.D

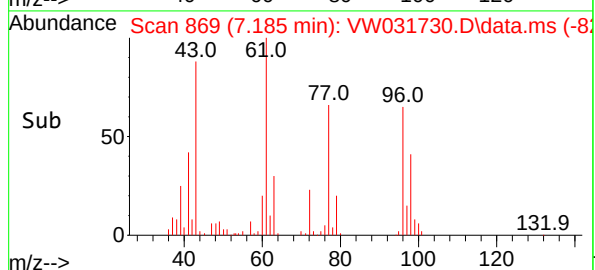
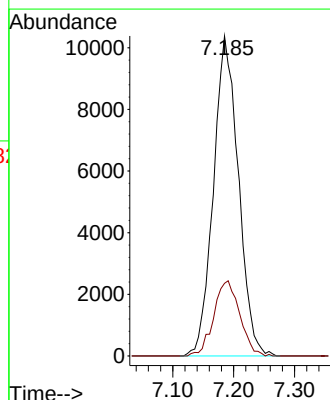
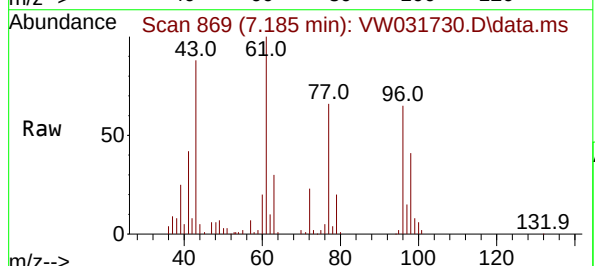
Acq: 30 Jun 2025 10:15

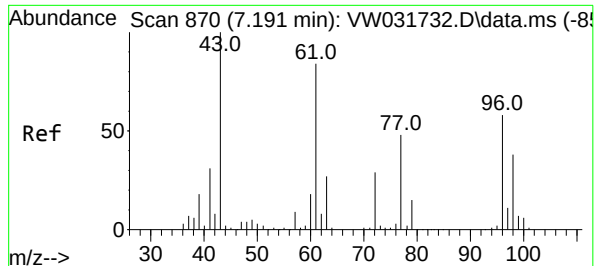
Tgt Ion: 77 Resp: 29549

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 9.749 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

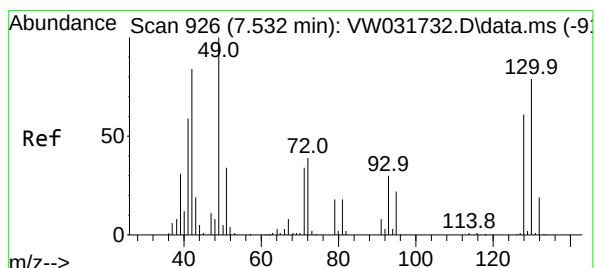
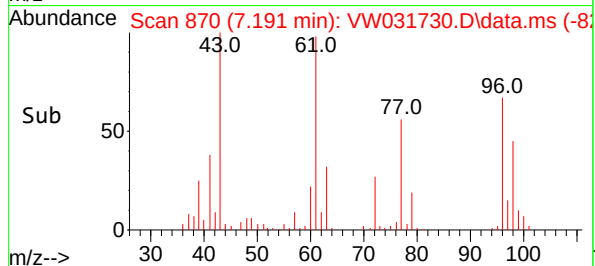
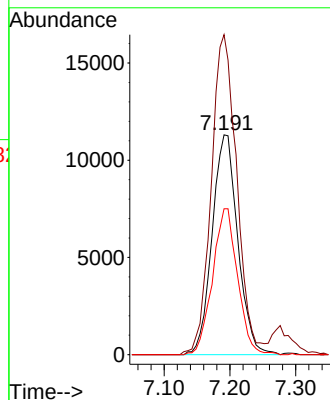
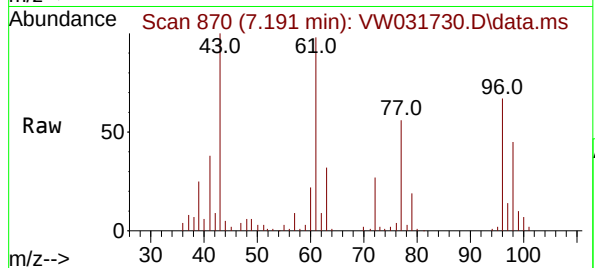
ClientSampleId :

VSTDIC010

Tgt Ion: 96	Resp: 3068
Ion Ratio	Lower Upper
96	100
61	144.6 0.0 286.8
98	64.8 0.0 130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 9.815 ug/l

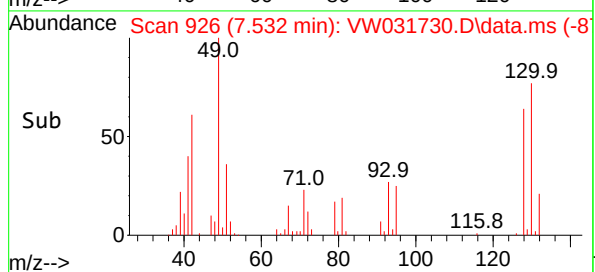
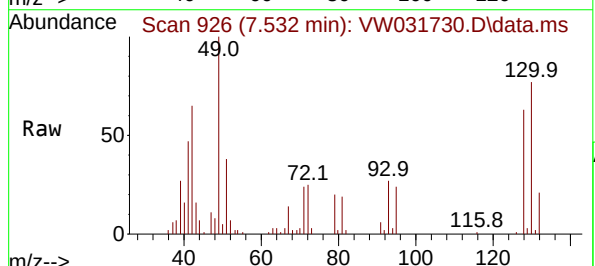
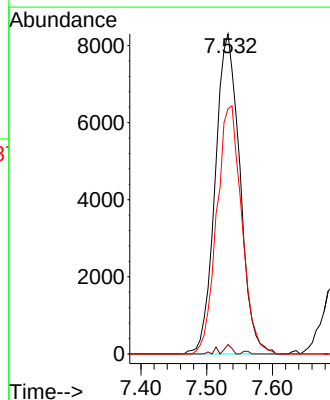
RT: 7.532 min Scan# 926

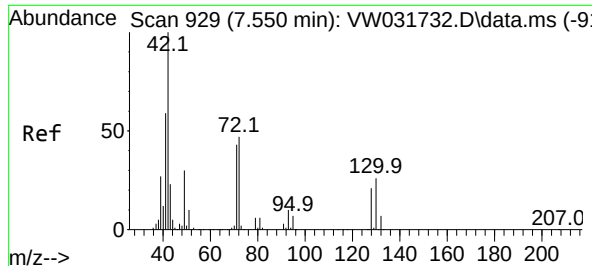
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion: 49	Resp: 21655
Ion Ratio	Lower Upper
49	100
129	0.8 0.0 2.4
130	78.5 61.3 91.9





#29

Tetrahydrofuran

Concen: 50.617 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

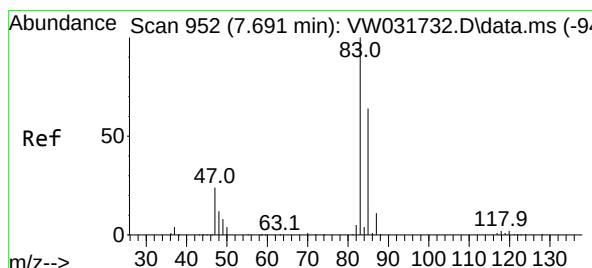
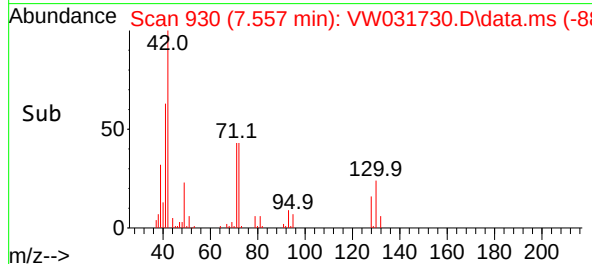
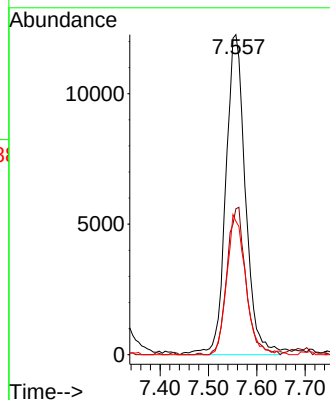
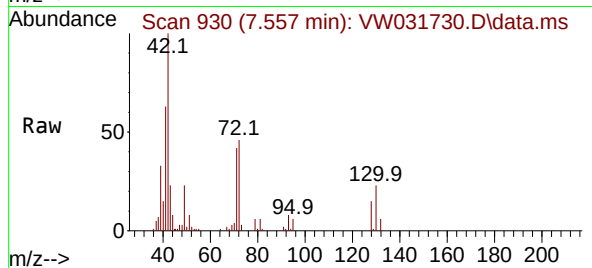
VSTDIC010

Tgt Ion:	42	Resp:	3459
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.8	55.2
71	42.1	34.6	52.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 10.090 ug/l

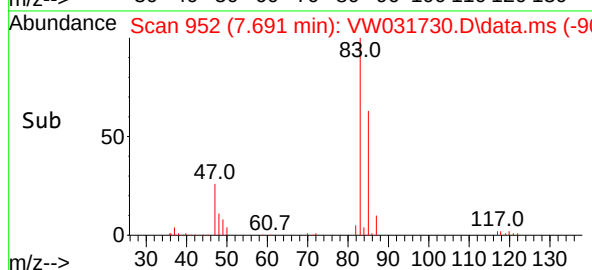
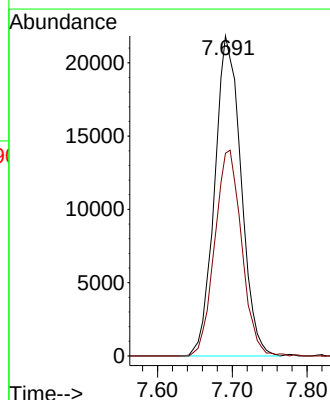
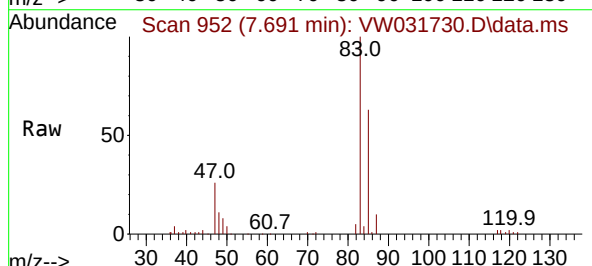
RT: 7.691 min Scan# 952

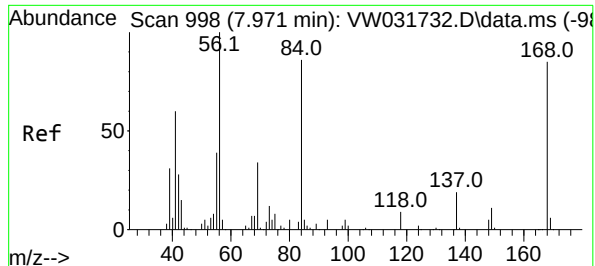
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	83	Resp:	53600
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0





#31

Cyclohexane

Concen: 10.427 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 4608

Ion Ratio Lower Upper

56 100

69 44.8 27.2 40.8

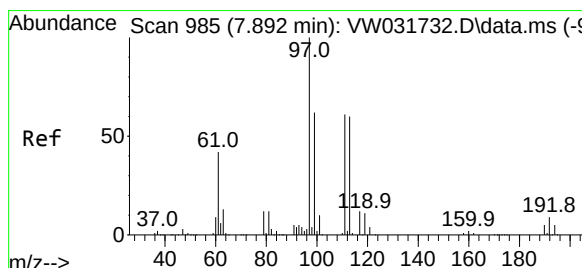
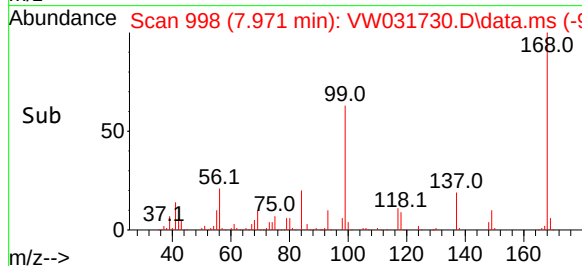
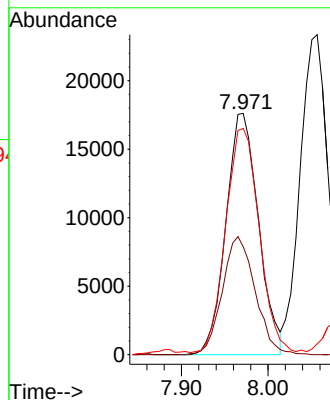
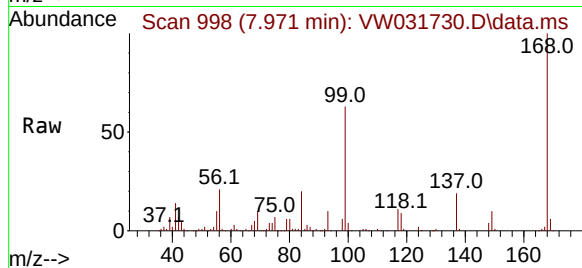
84 92.8 68.5 102.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#32

1,1,1-Trichloroethane

Concen: 10.389 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

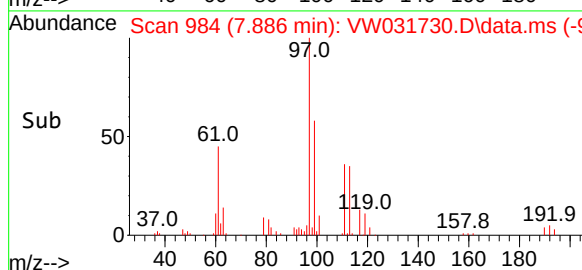
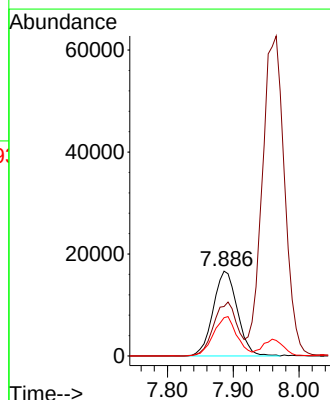
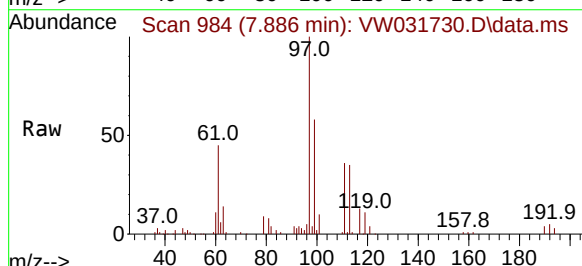
Tgt Ion: 97 Resp: 42532

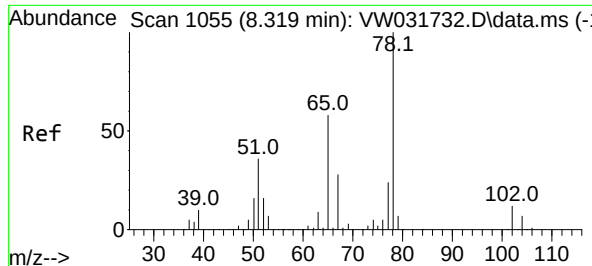
Ion Ratio Lower Upper

97 100

99 61.5 51.0 76.6

61 45.2 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 10.201 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 65 Resp: 3166

Ion Ratio Lower Upper

65 100

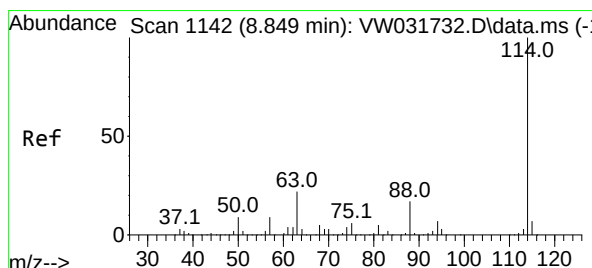
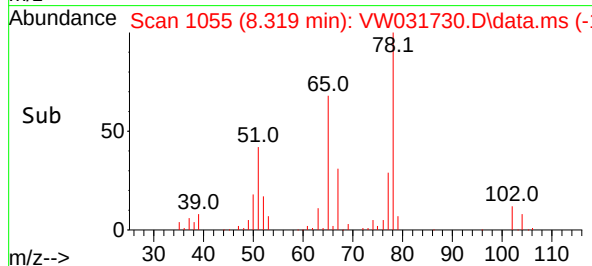
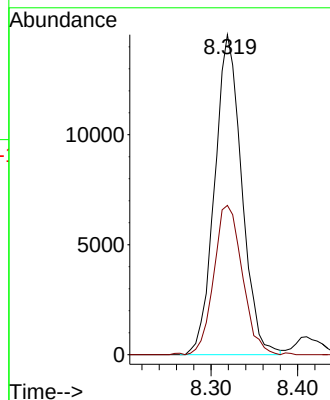
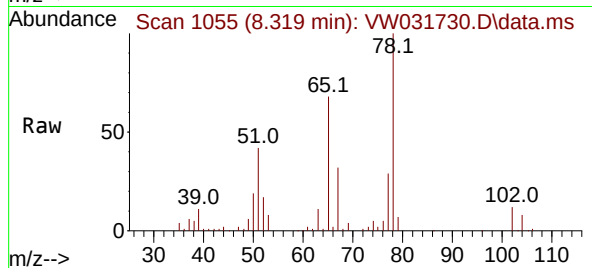
67 49.1 0.0 99.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

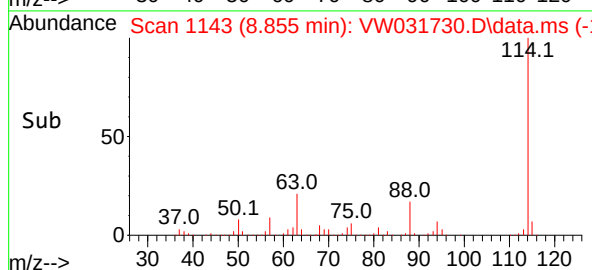
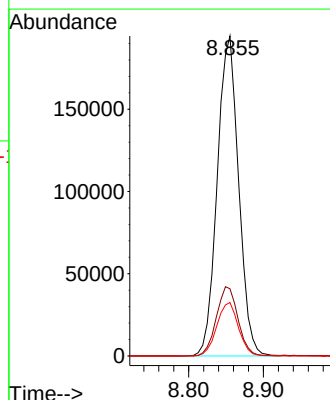
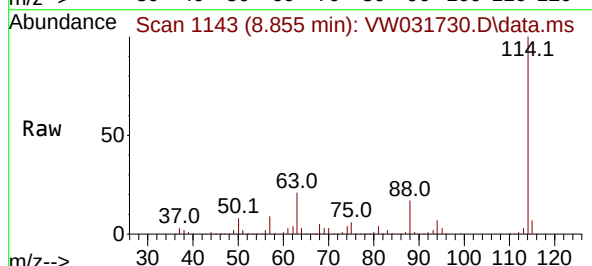
Tgt Ion:114 Resp: 387016

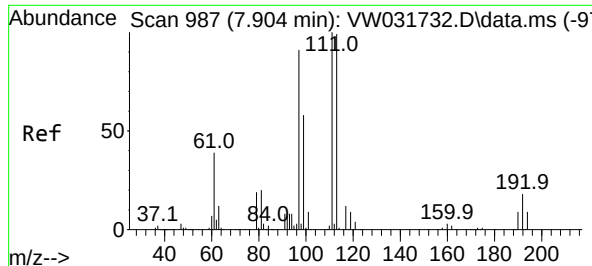
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.6

88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 9.942 ug/l

RT: 7.898 min Scan# 9

Delta R.T. -0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

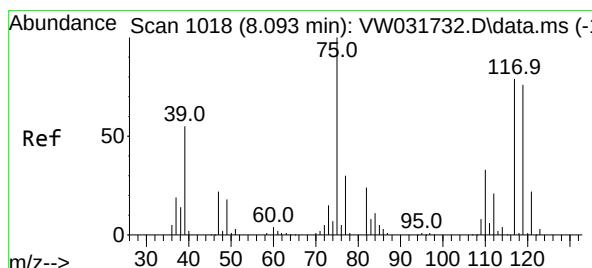
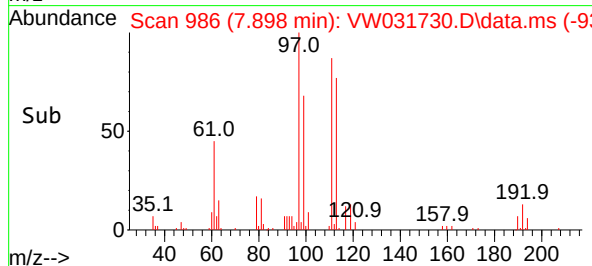
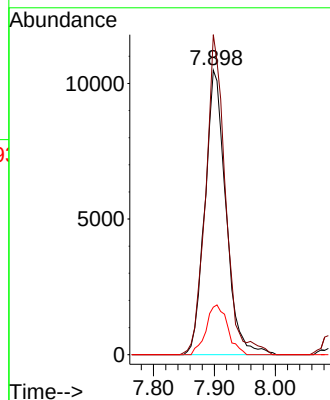
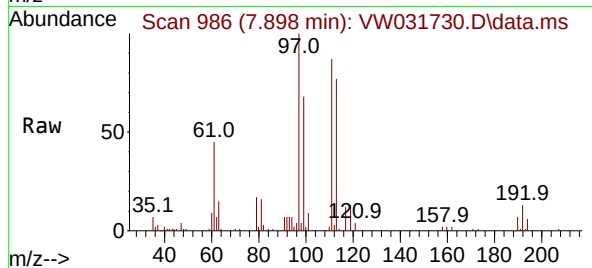
Tgt Ion:	113	Resp:	25109
Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.1	123.1
192	17.9	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 10.021 ug/l

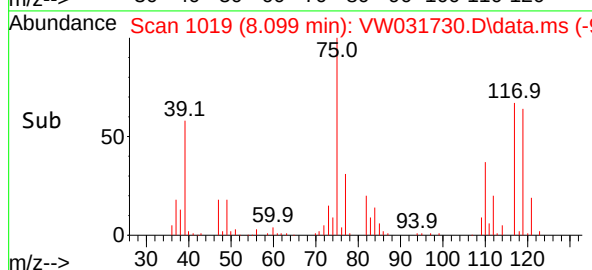
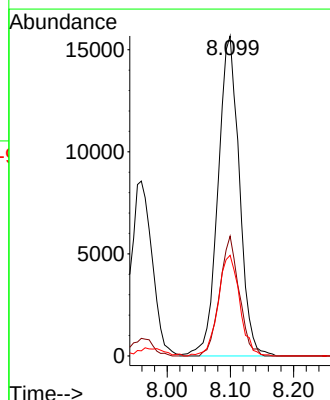
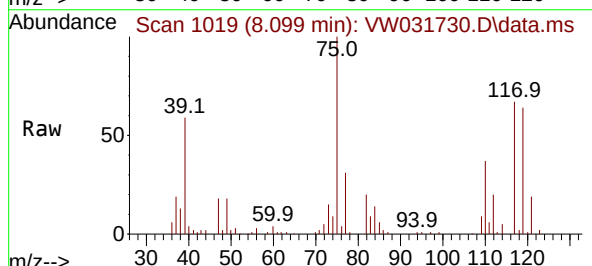
RT: 8.099 min Scan# 1019

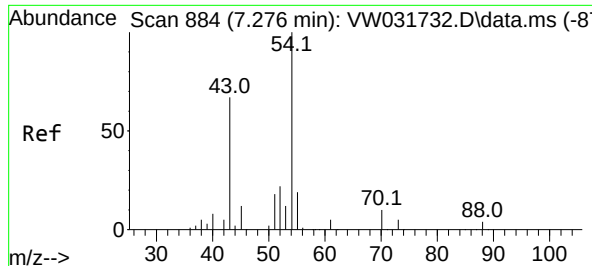
Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	75	Resp:	36621
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.9	25.0	37.6





#37

Ethyl Acetate

Concen: 10.032 ug/l

RT: 7.282 min Scan# 885

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

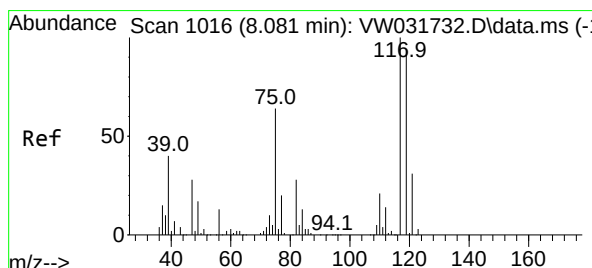
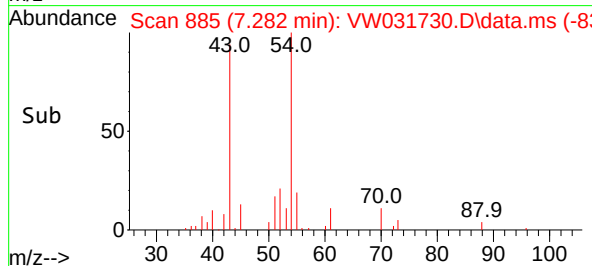
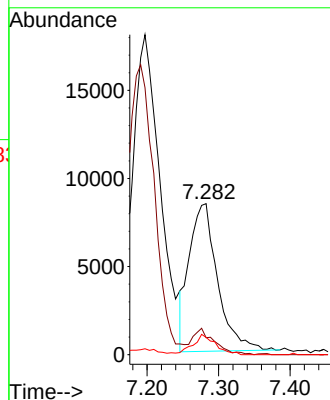
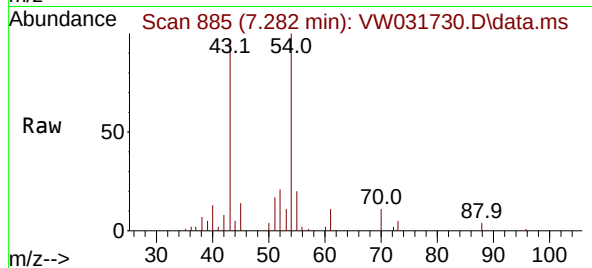
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	23120
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.8	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 10.347 ug/l

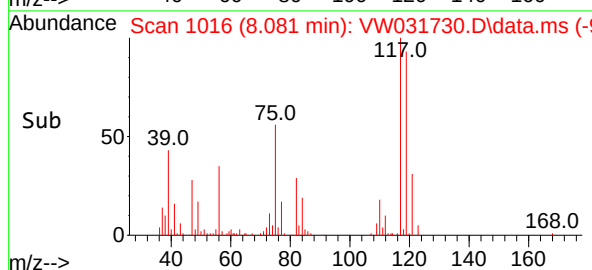
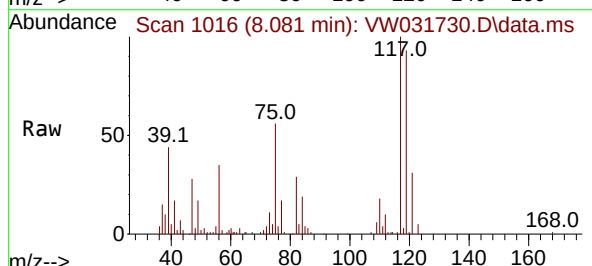
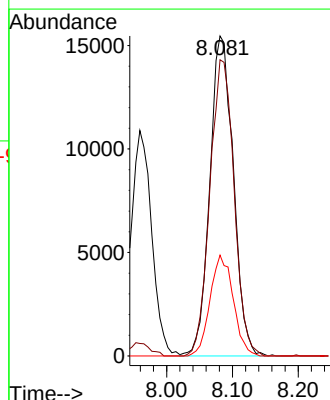
RT: 8.081 min Scan# 1016

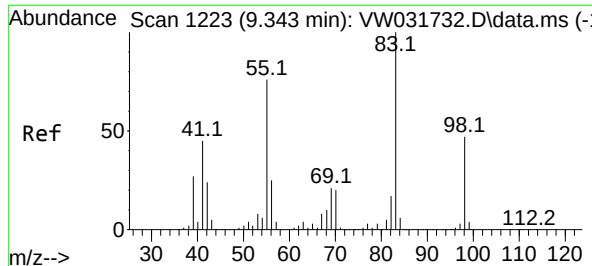
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	117	Resp:	38531
Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.0	112.6
121	31.5	24.6	37.0





#39

Methylcyclohexane

Concen: 9.715 ug/l

RT: 9.343 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 44170

Ion Ratio Lower Upper

83 100

55 78.5 61.0 91.4

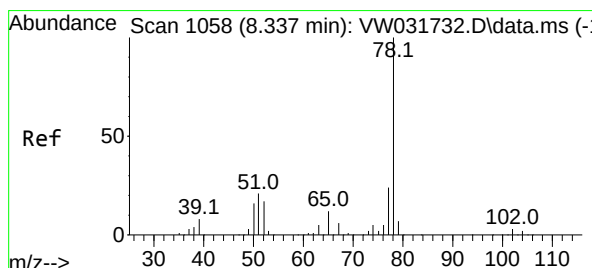
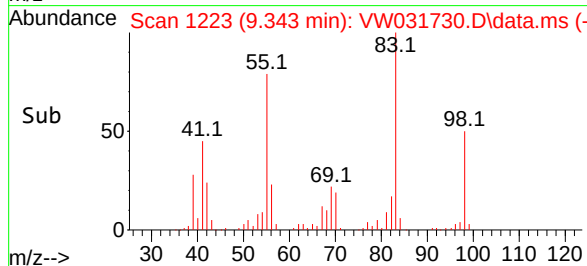
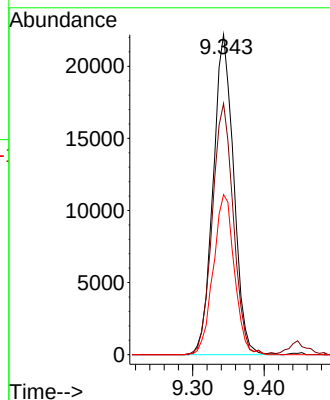
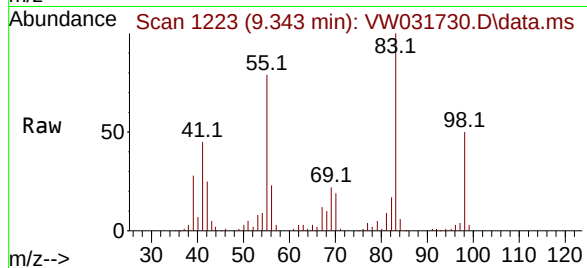
98 50.0 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 9.977 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031730.D

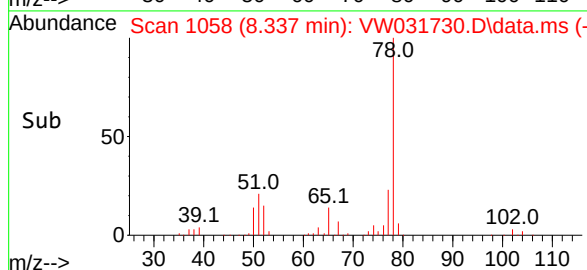
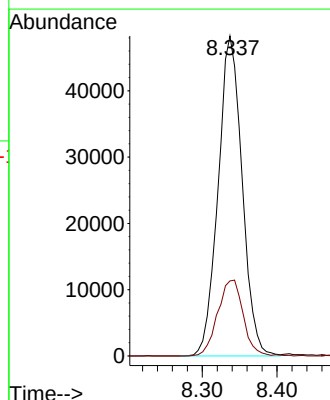
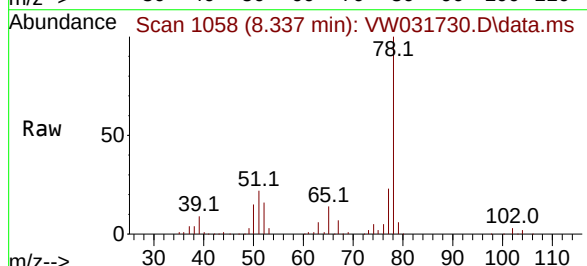
Acq: 30 Jun 2025 10:15

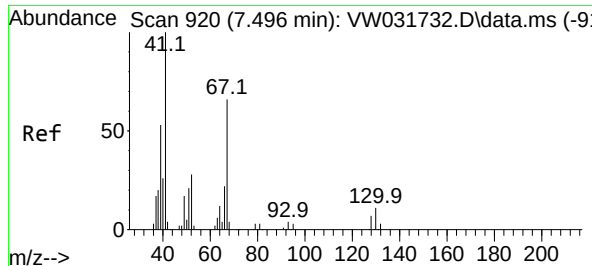
Tgt Ion: 78 Resp: 107869

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8





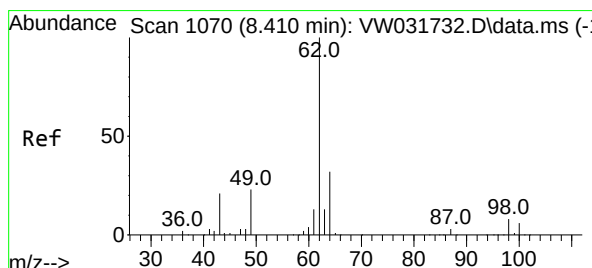
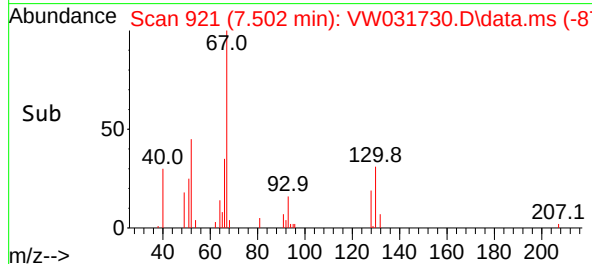
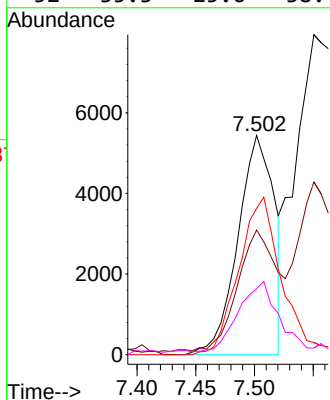
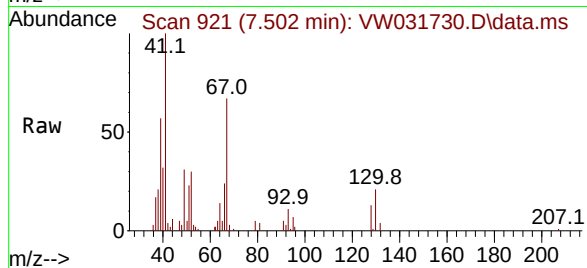
#41
Methacrylonitrile
Concen: 9.485 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 1171
Ion Ratio Lower Upper
41 100
39 62.2 43.2 64.8
67 86.5 58.1 87.1
52 35.3 25.6 38.4

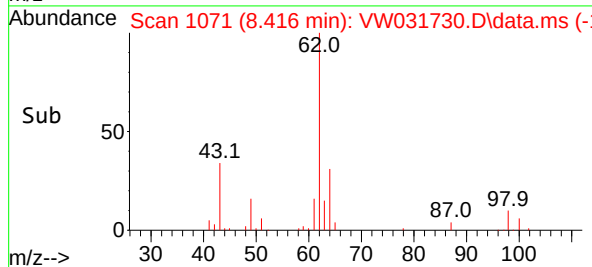
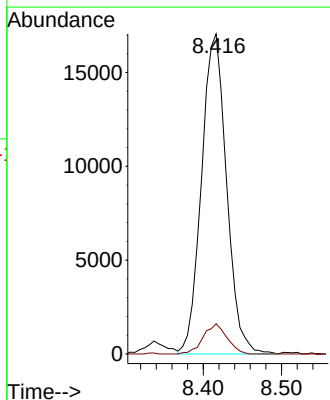
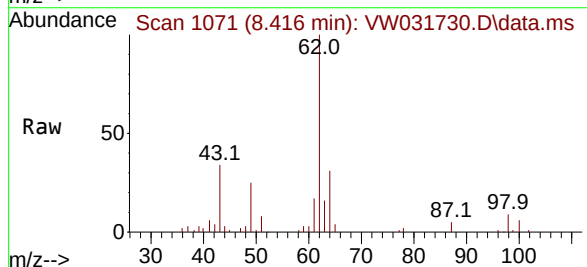
Manual Integrations
APPROVED

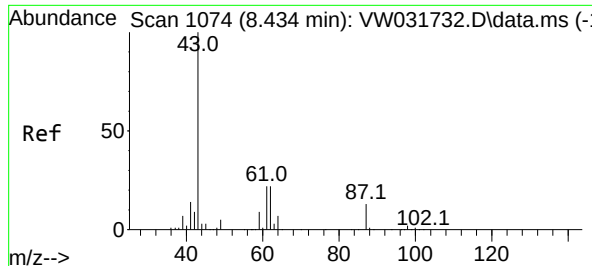
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 10.390 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 37957
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.2





#43

Isopropyl Acetate

Concen: 9.913 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

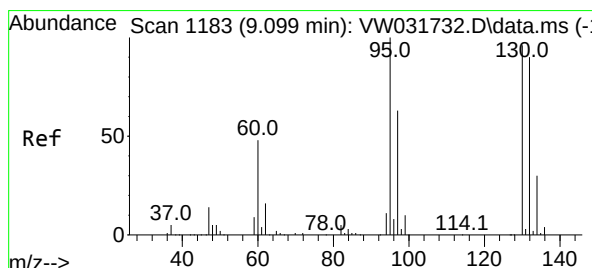
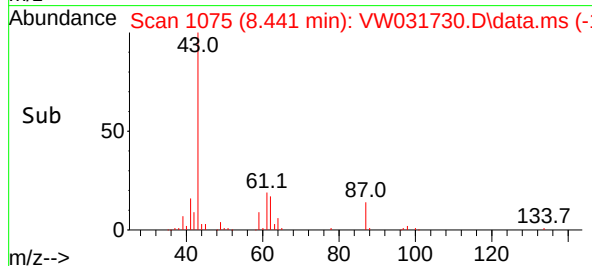
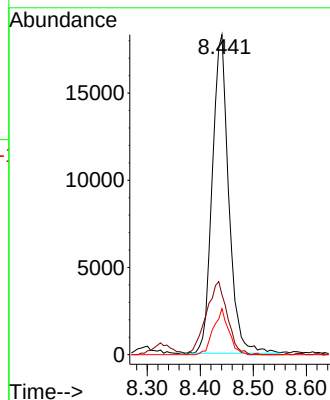
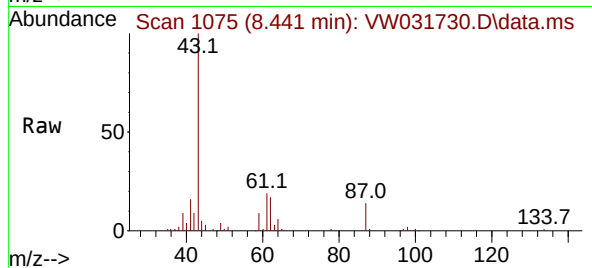
ClientSampleId :

VSTDIC010

Tgt Ion: 43	Resp: 3939
Ion Ratio	Lower Upper
43	100
61	29.4 23.1 34.7
87	13.4 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 9.927 ug/l

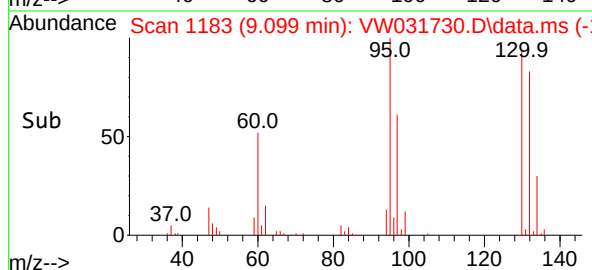
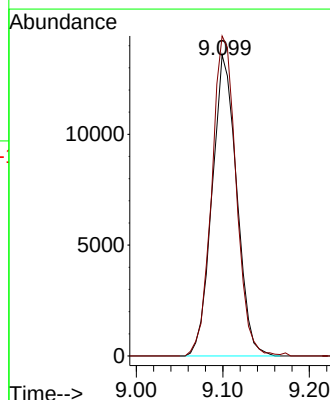
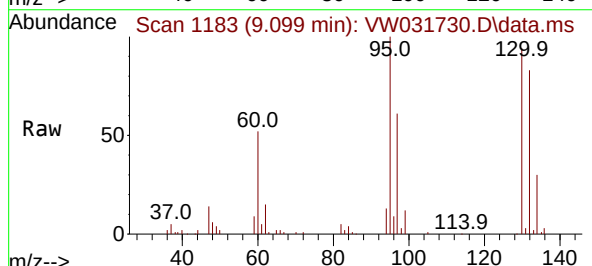
RT: 9.099 min Scan# 1183

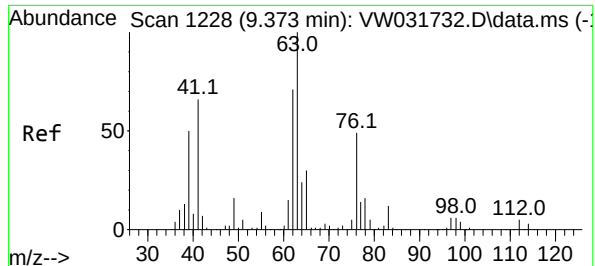
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:130	Resp: 26788
Ion Ratio	Lower Upper
130	100
95	106.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 10.181 ug/l

RT: 9.380 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2660

Ion Ratio Lower Upper

63 100

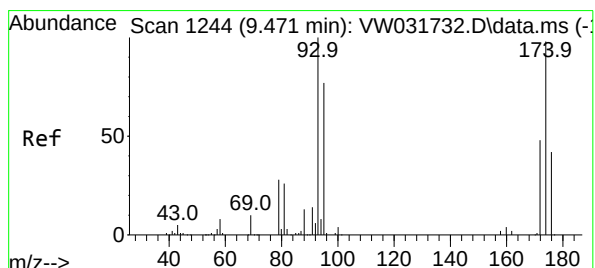
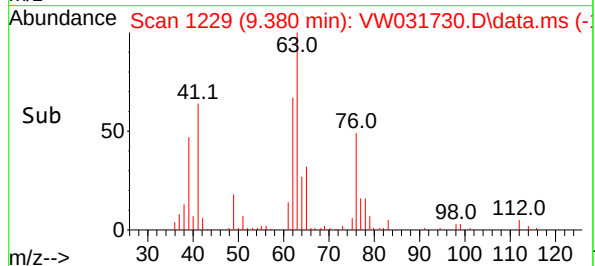
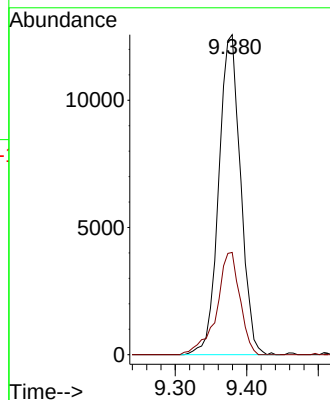
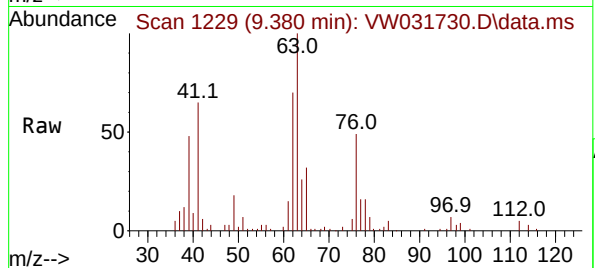
65 31.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 9.969 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

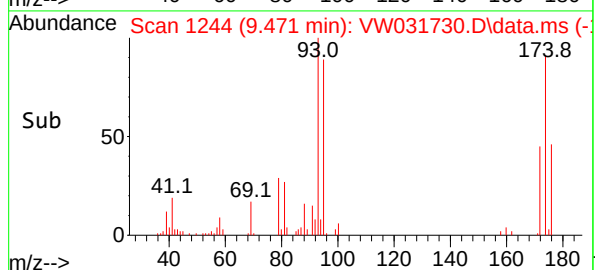
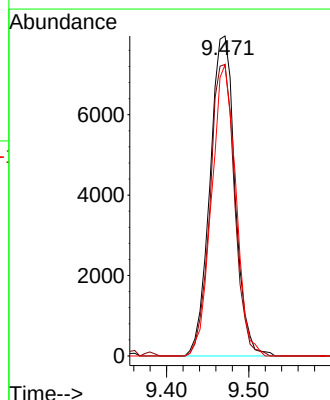
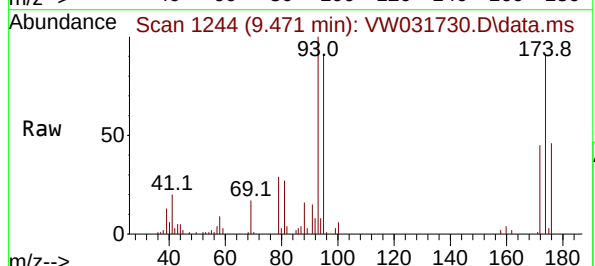
Tgt Ion: 93 Resp: 16818

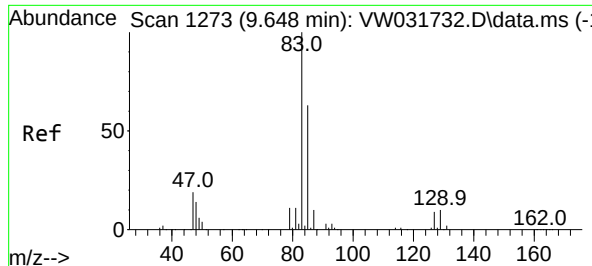
Ion Ratio Lower Upper

93 100

95 89.3 67.0 100.4

174 87.9 71.7 107.5





#47

Bromodichloromethane

Concen: 10.009 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

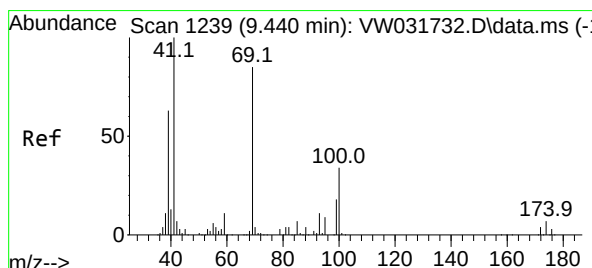
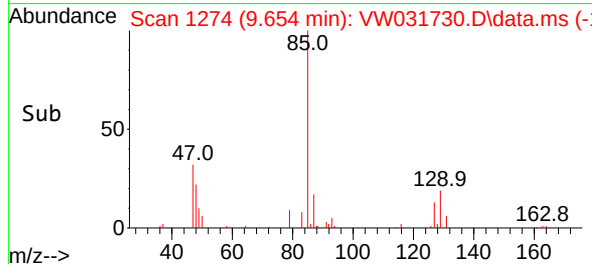
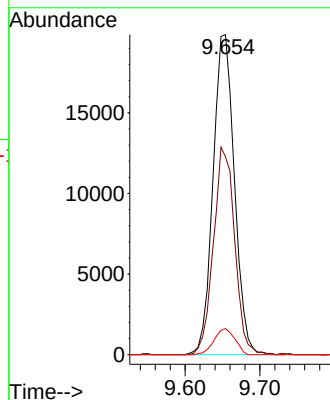
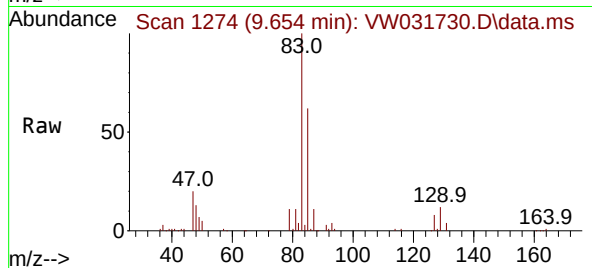
ClientSampleId :

VSTDIC010

Tgt Ion: 83	Resp: 3959
Ion Ratio	Lower Upper
83	100
85	61.9 50.8 76.2
127	8.2 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#48

Methyl methacrylate

Concen: 10.549 ug/l

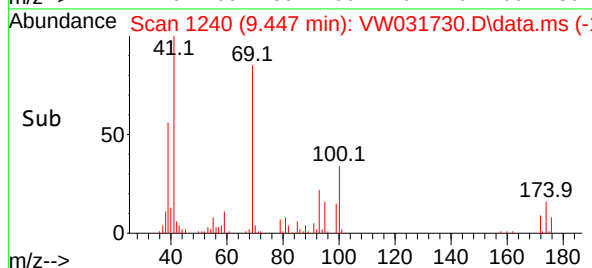
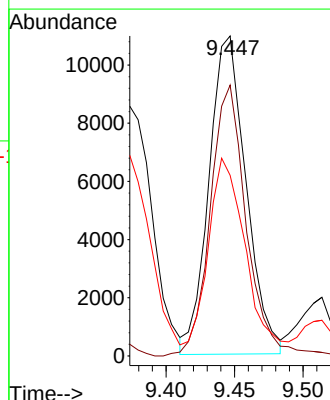
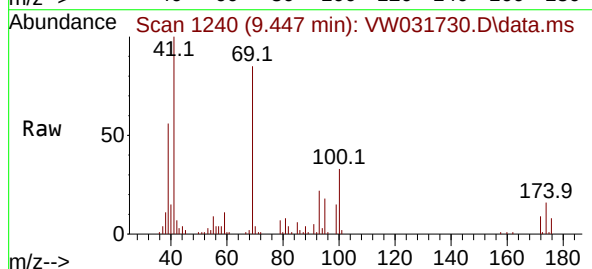
RT: 9.447 min Scan# 1240

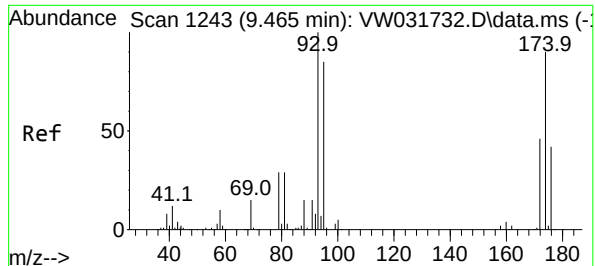
Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion: 41	Resp: 20612
Ion Ratio	Lower Upper
41	100
69	82.8 71.6 107.4
39	62.0 49.5 74.3





#49

1,4-Dioxane

Concen: 234.072 ug/l m

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 4204

Ion Ratio Lower Upper

88 100

43 32.4 0.0 0.0

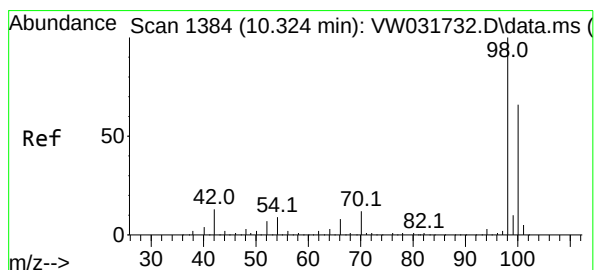
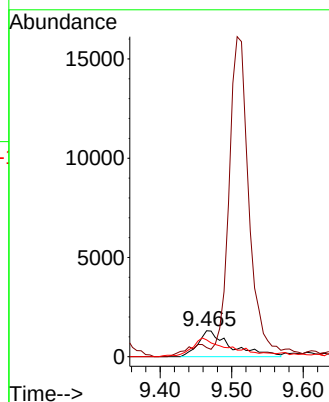
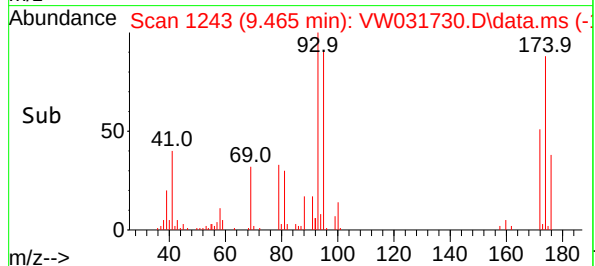
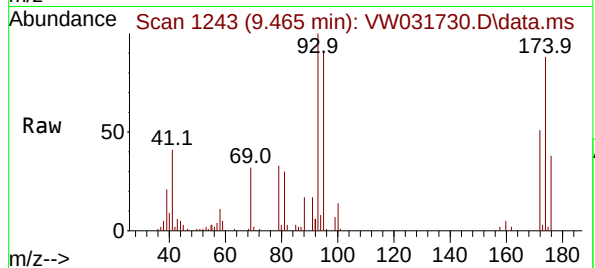
58 78.2 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 10.251 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031730.D

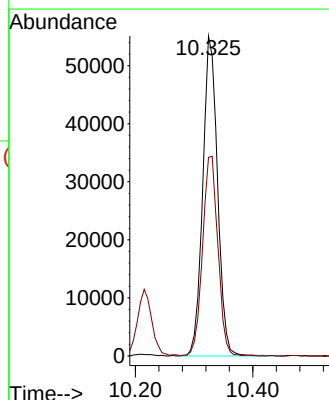
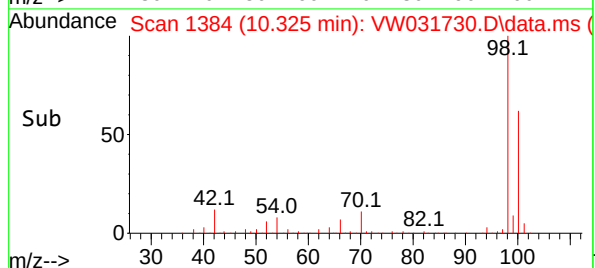
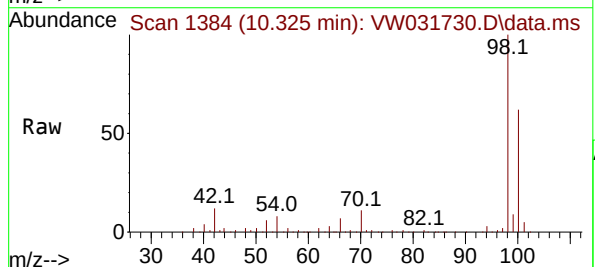
Acq: 30 Jun 2025 10:15

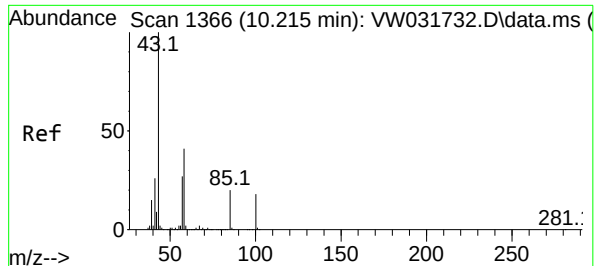
Tgt Ion: 98 Resp: 96344

Ion Ratio Lower Upper

98 100

100 64.3 53.0 79.4





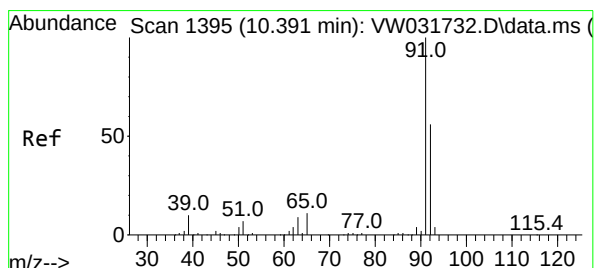
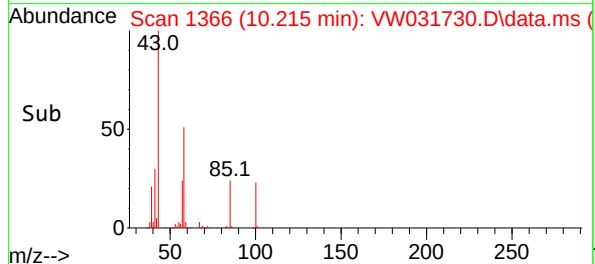
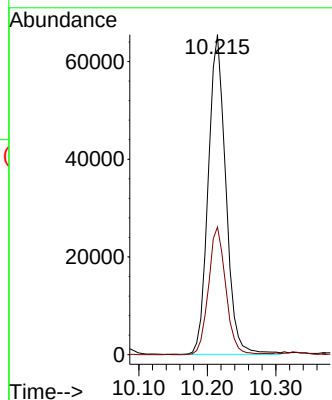
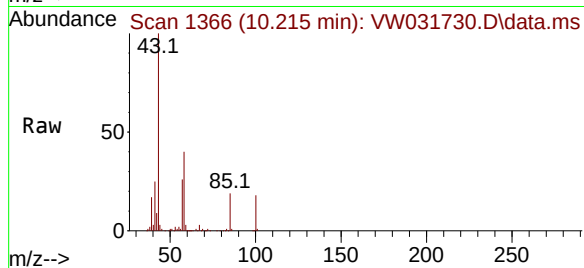
#51
4-Methyl-2-Pentanone
Concen: 51.050 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 116628
Ion Ratio Lower Upper
43 100
58 39.4 32.2 48.2

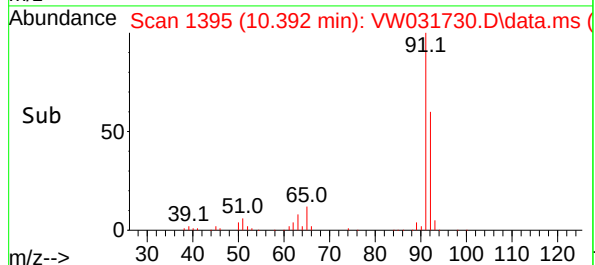
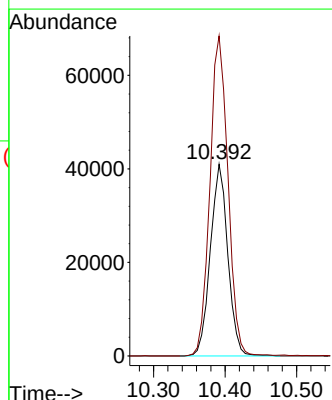
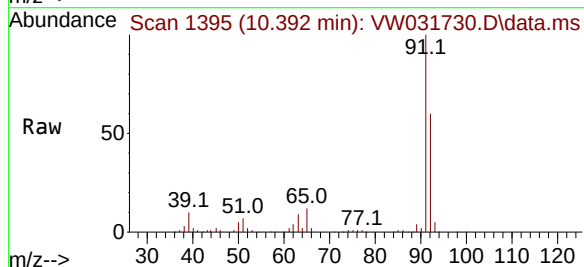
Manual Integrations
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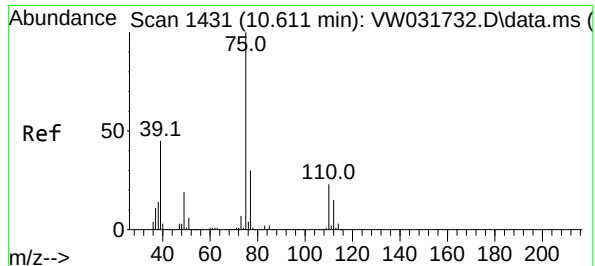
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 10.041 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 92 Resp: 69506
Ion Ratio Lower Upper
92 100
91 172.5 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 9.585 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 35578

Ion Ratio Lower Upper

75 100

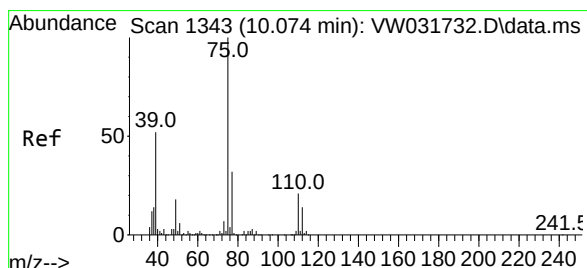
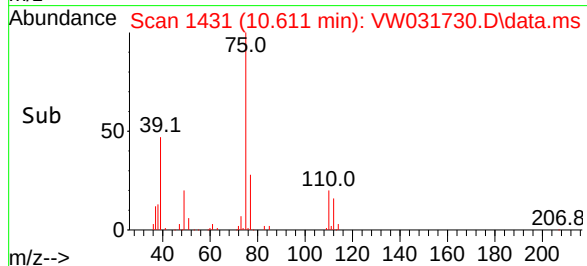
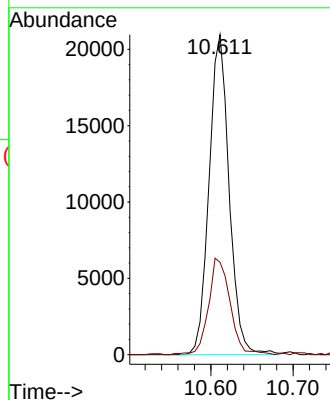
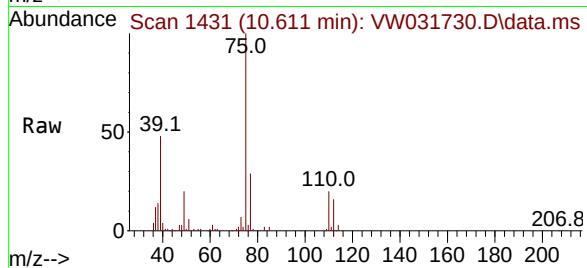
77 28.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#54

cis-1,3-Dichloropropene

Concen: 9.588 ug/l

RT: 10.081 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

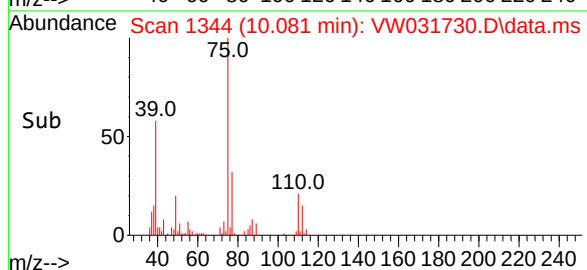
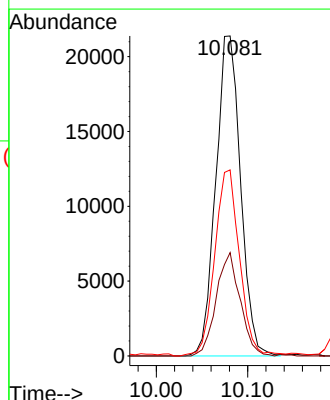
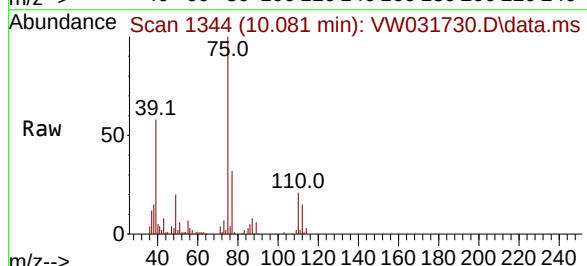
Tgt Ion: 75 Resp: 40343

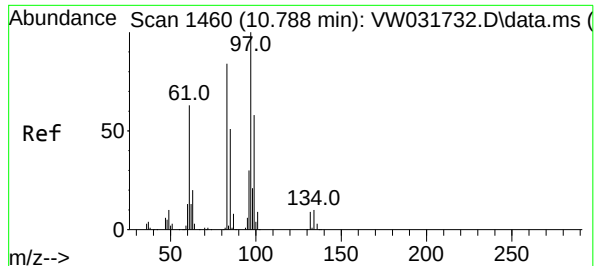
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

39 58.2 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 9.872 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 97 Resp: 21810

Ion Ratio Lower Upper

97 100

83 94.8 66.9 100.3

85 63.9 41.1 61.7

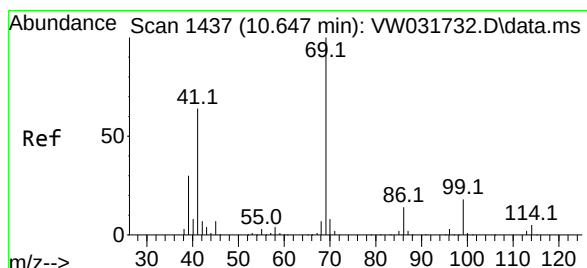
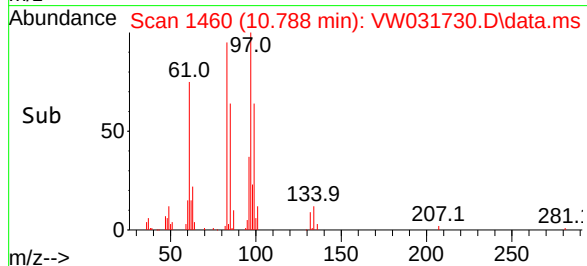
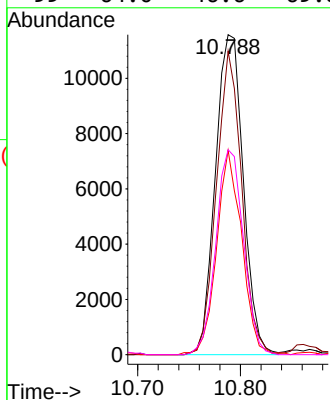
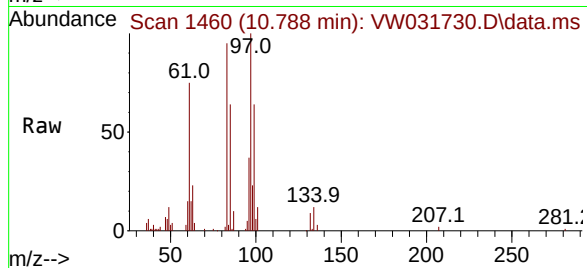
99 64.0 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 9.445 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

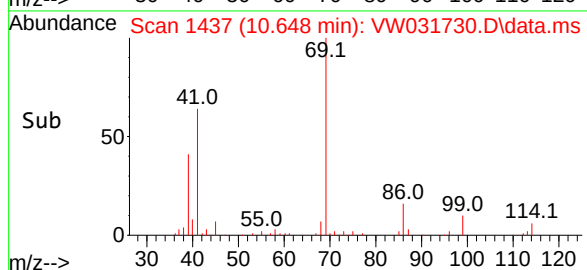
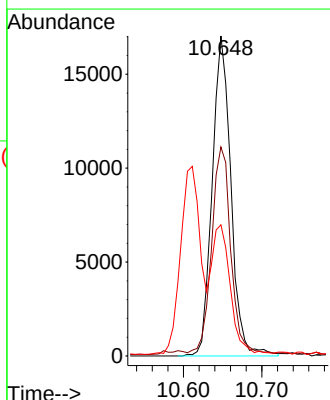
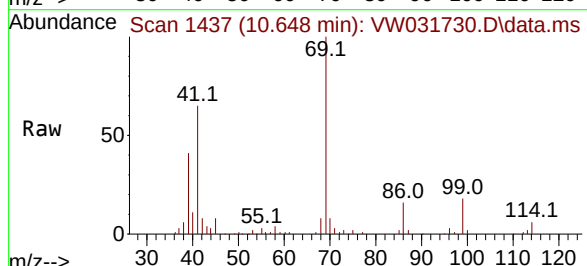
Tgt Ion: 69 Resp: 28317

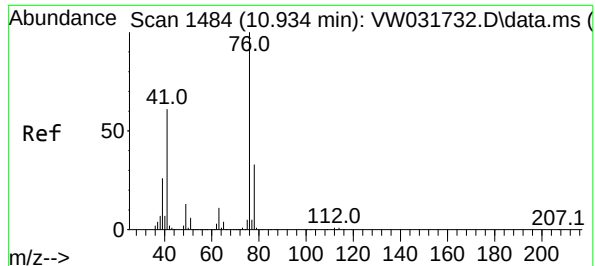
Ion Ratio Lower Upper

69 100

41 66.1 53.3 79.9

39 39.5 30.2 45.2





#57

1,3-Dichloropropane

Concen: 10.446 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 40528

Ion Ratio Lower Upper

76 100

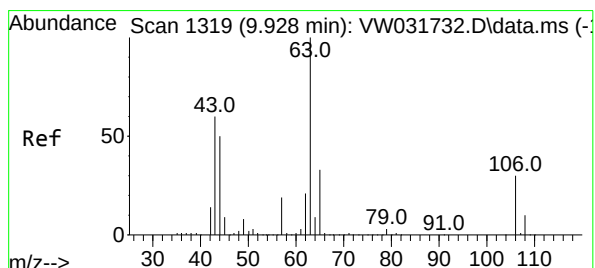
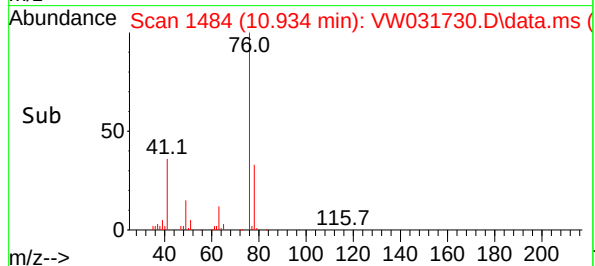
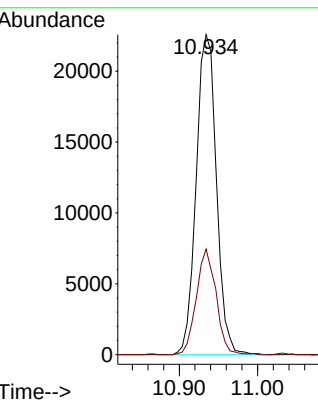
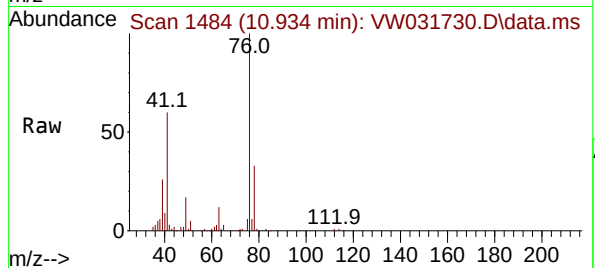
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 46.578 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031730.D

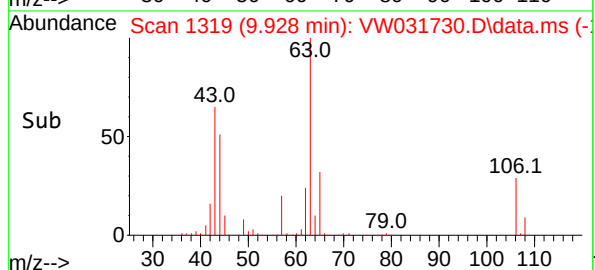
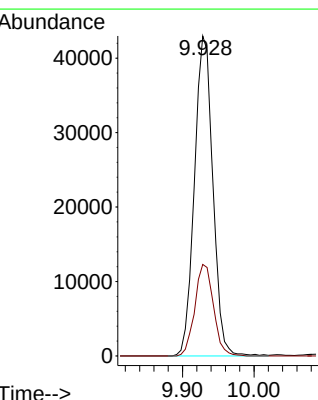
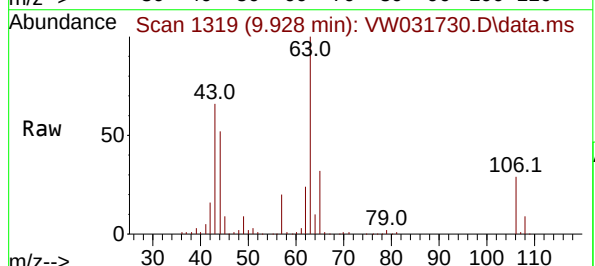
Acq: 30 Jun 2025 10:15

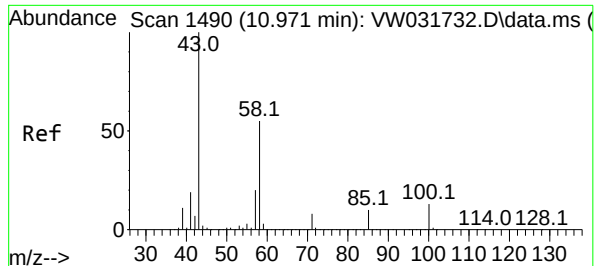
Tgt Ion: 63 Resp: 76896

Ion Ratio Lower Upper

63 100

106 28.9 24.1 36.1





#59

2-Hexanone

Concen: 50.260 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 77810

Ion Ratio Lower Upper

43 100

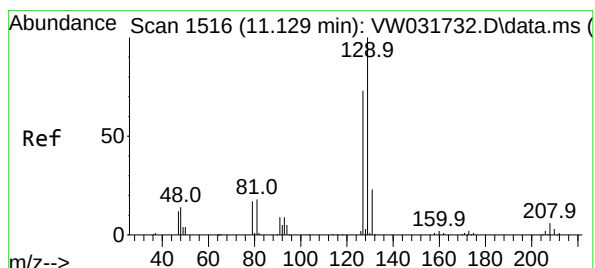
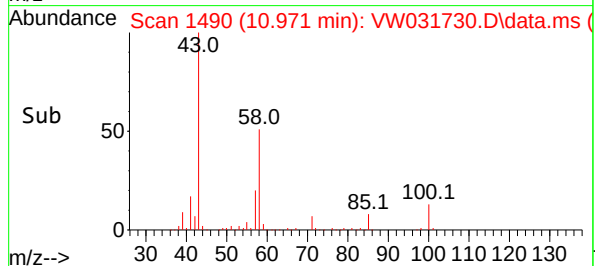
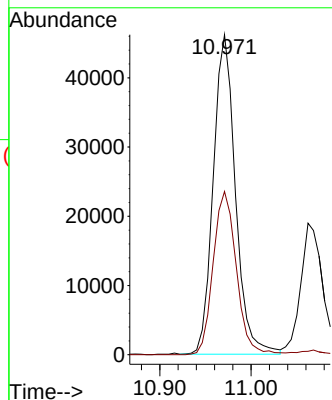
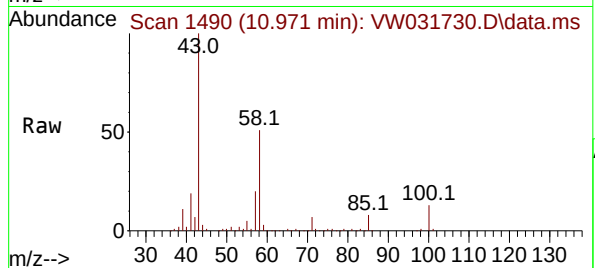
58 53.4 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 9.738 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031730.D

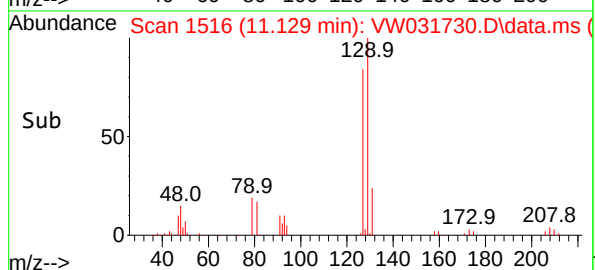
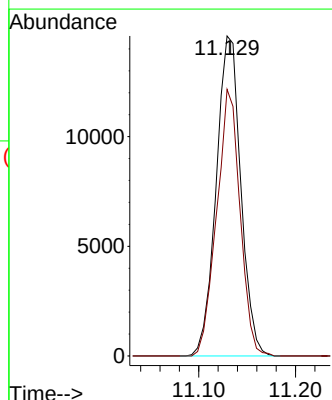
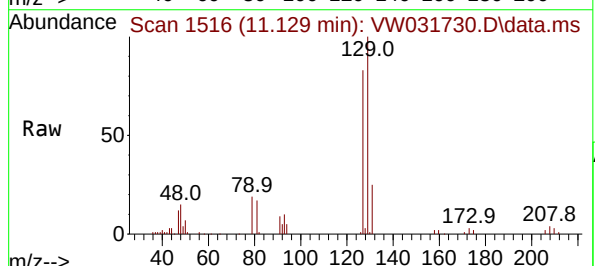
Acq: 30 Jun 2025 10:15

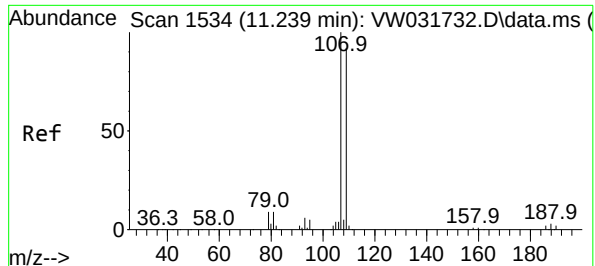
Tgt Ion:129 Resp: 25734

Ion Ratio Lower Upper

129 100

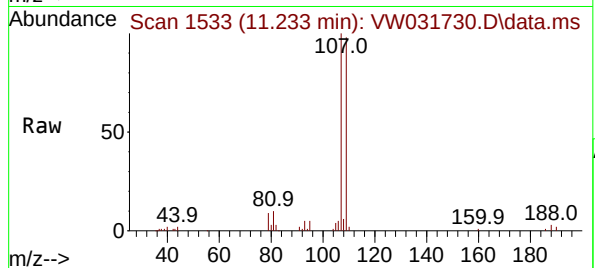
127 79.2 38.0 114.1





#61
1,2-Dibromoethane
Concen: 9.981 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

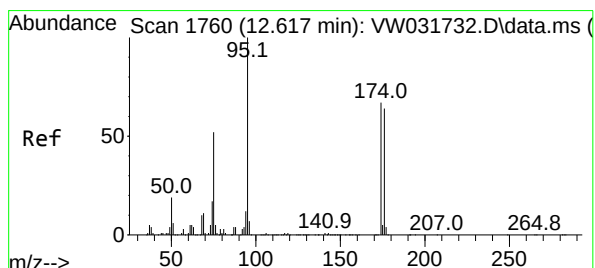
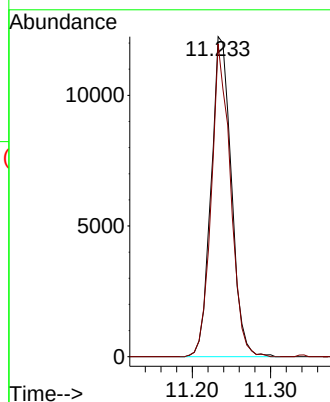
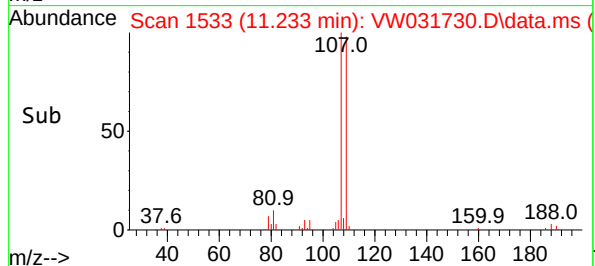
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion:107 Resp: 2208
Ion Ratio Lower Upper
107 100
109 92.3 73.9 110.9

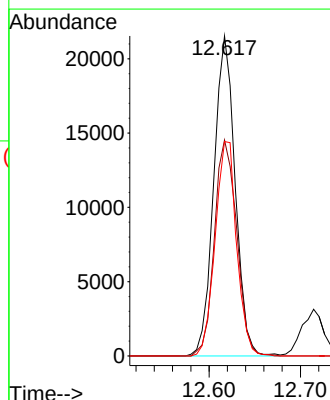
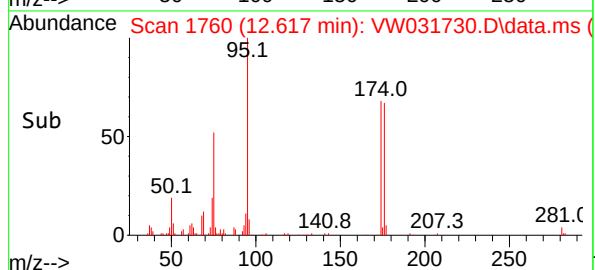
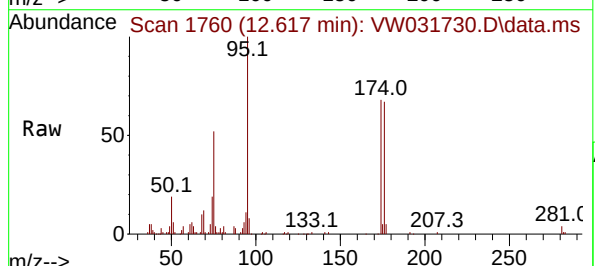
Manual Integrations
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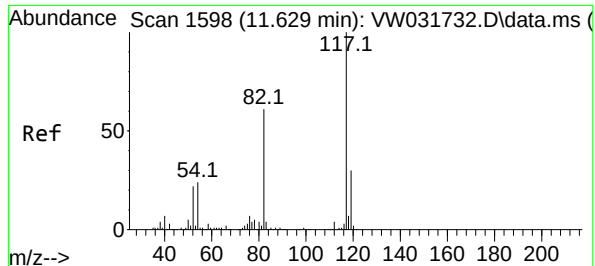
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 10.105 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 95 Resp: 34948
Ion Ratio Lower Upper
95 100
174 70.7 0.0 133.8
176 67.6 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031730.D

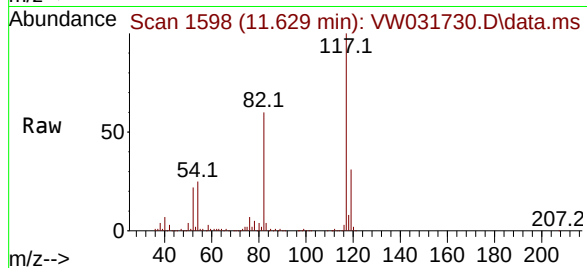
Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

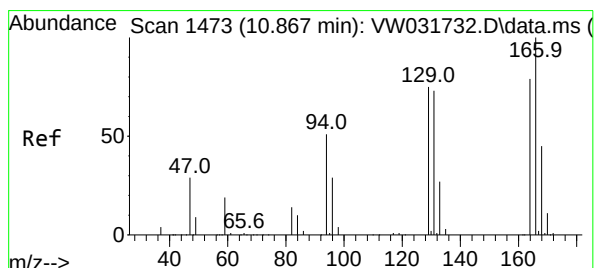
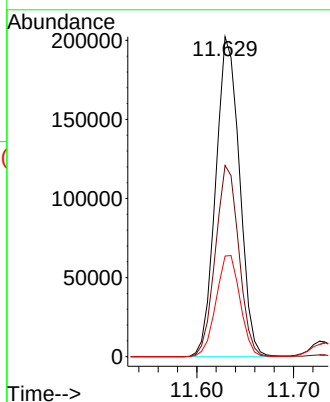
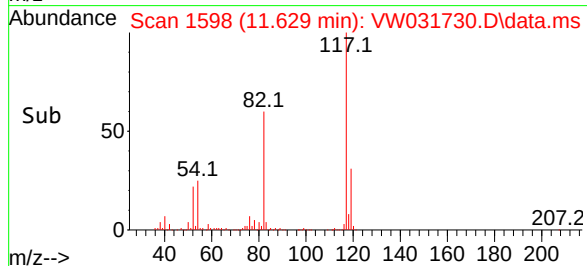
VSTDICC010



Tgt Ion:	117	Resp:	345390
Ion Ratio	Lower	Upper	
117	100		
82	59.7	48.6	72.8
119	31.5	23.9	35.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

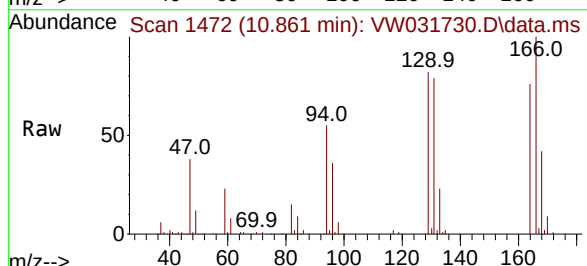
Concen: 9.801 ug/l

RT: 10.861 min Scan# 1472

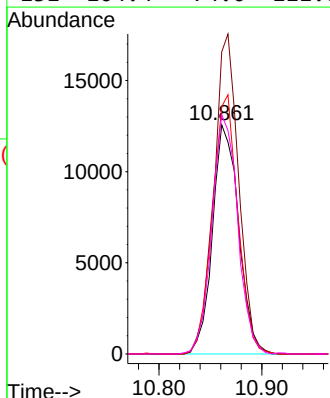
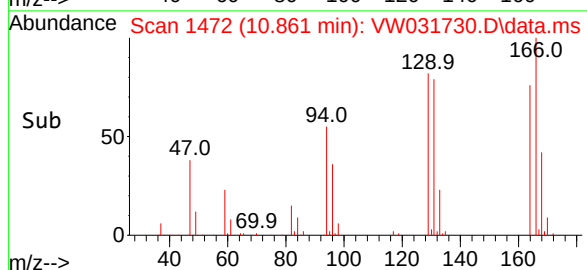
Delta R.T. -0.006 min

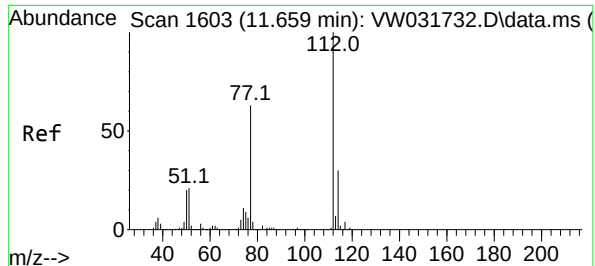
Lab File: VW031730.D

Acq: 30 Jun 2025 10:15



Tgt Ion:	164	Resp:	22144
Ion Ratio	Lower	Upper	
164	100		
166	131.9	100.7	151.1
129	107.9	75.4	113.0
131	104.4	74.0	111.0





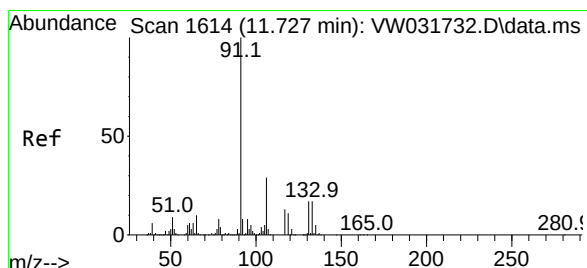
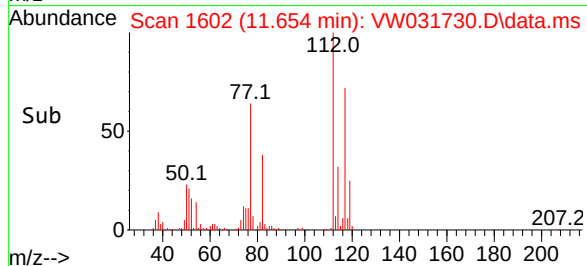
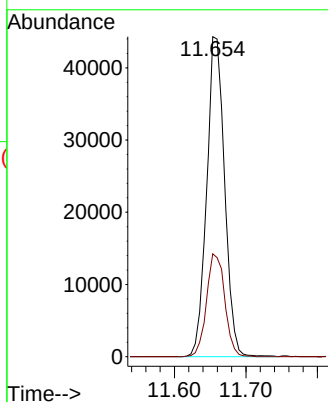
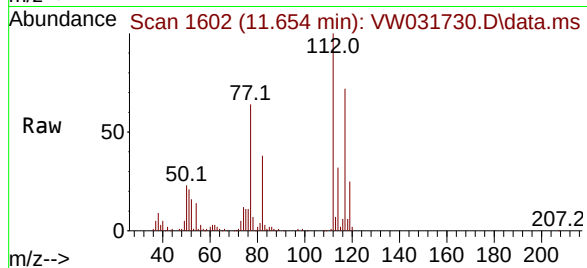
#65
Chlorobenzene
Concen: 10.113 ug/l
RT: 11.654 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 77068
Ion Ratio Lower Upper
112 100
114 32.2 23.8 35.8

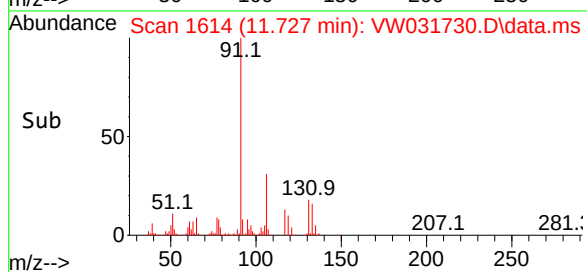
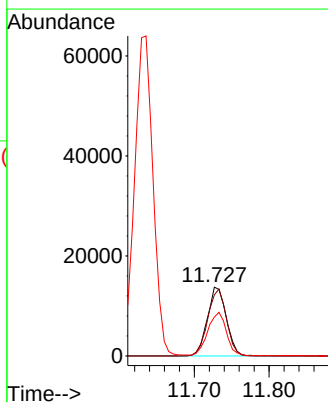
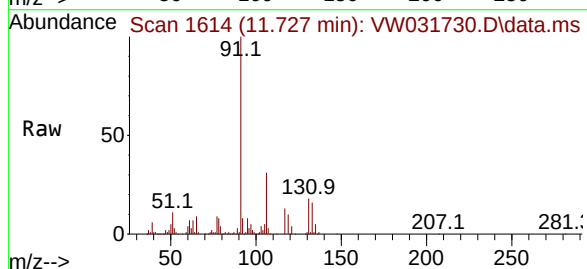
Manual Integrations
APPROVED

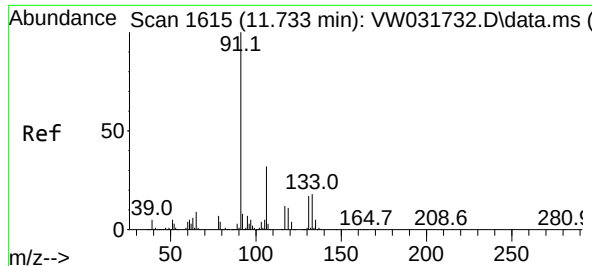
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.975 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:131 Resp: 24224
Ion Ratio Lower Upper
131 100
133 95.6 48.5 145.6
119 62.9 32.5 97.5





#67

Ethyl Benzene

Concen: 9.927 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 131184

Ion Ratio Lower Upper

91 100

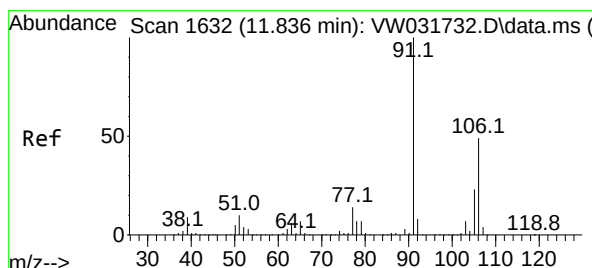
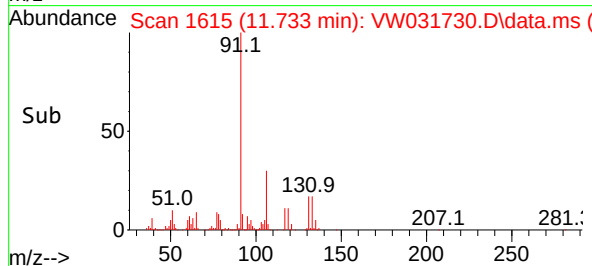
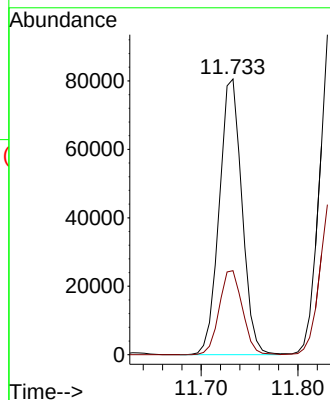
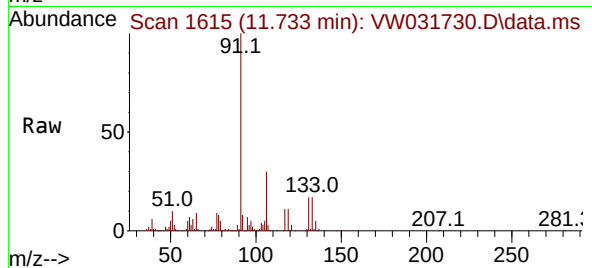
106 30.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 19.856 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031730.D

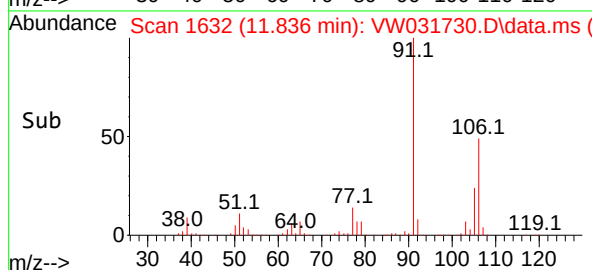
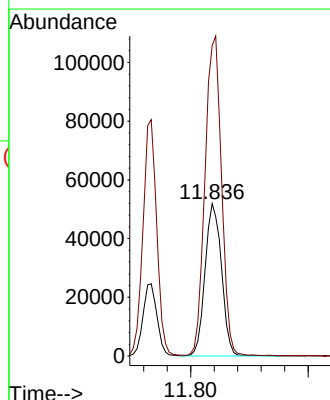
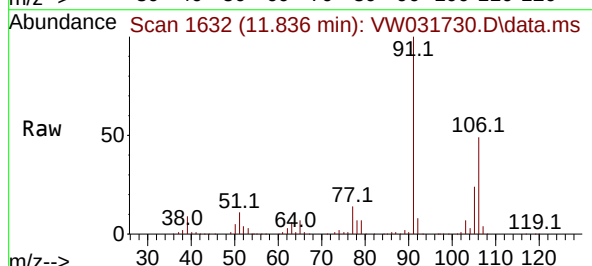
Acq: 30 Jun 2025 10:15

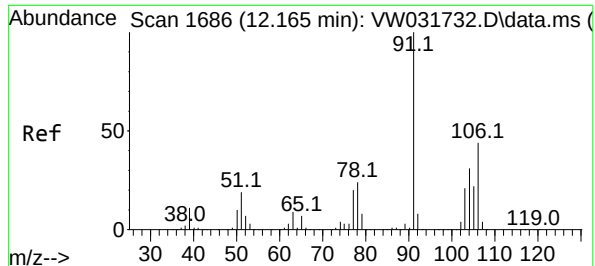
Tgt Ion:106 Resp: 100863

Ion Ratio Lower Upper

106 100

91 210.3 166.4 249.6





#69

o-Xylene

Concen: 9.611 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion:106 Resp: 45204

Ion Ratio Lower Upper

106 100

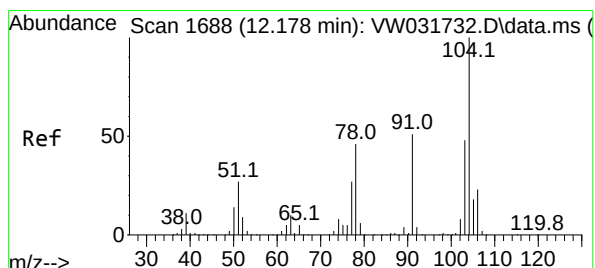
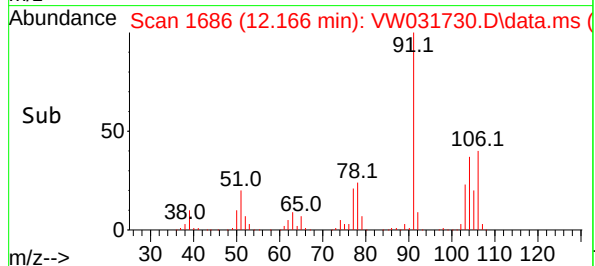
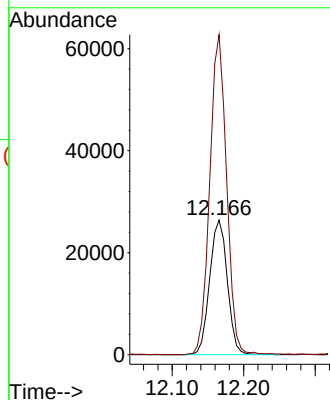
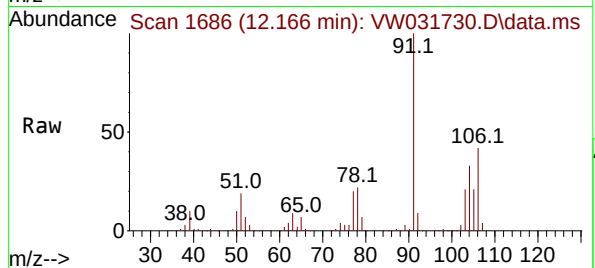
91 227.6 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 9.805 ug/l

RT: 12.184 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

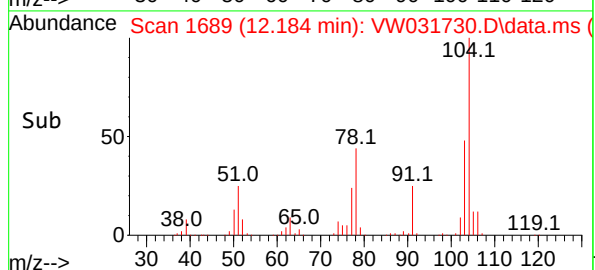
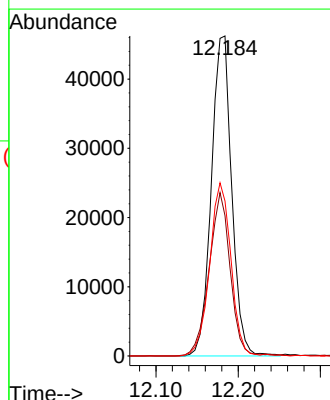
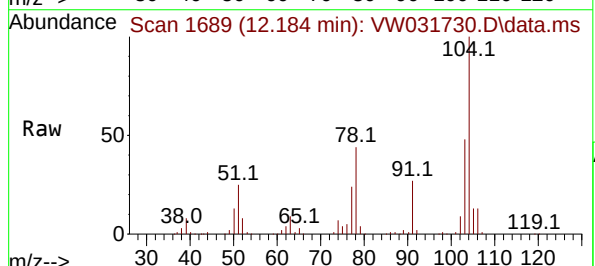
Tgt Ion:104 Resp: 79722

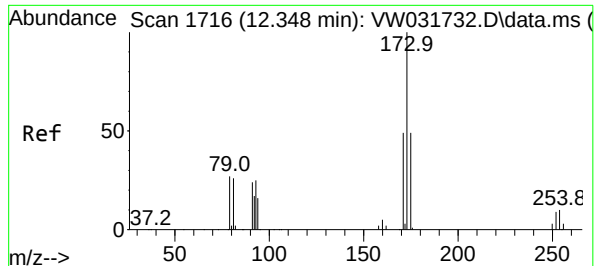
Ion Ratio Lower Upper

104 100

78 53.0 42.1 63.1

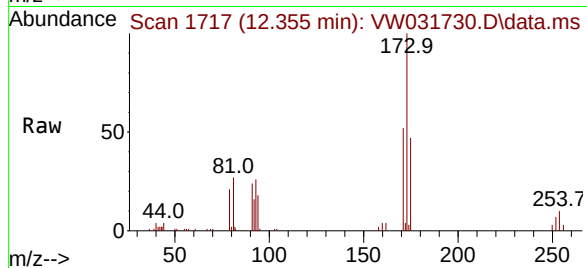
103 56.3 43.0 64.6





#71
Bromoform
Concen: 9.641 ug/l
RT: 12.355 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

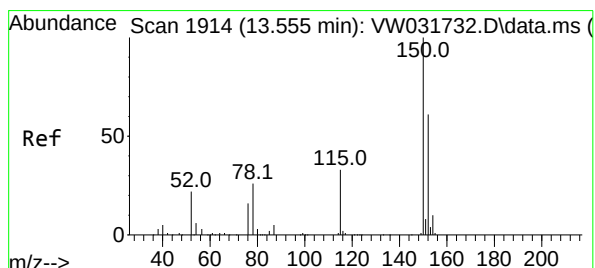
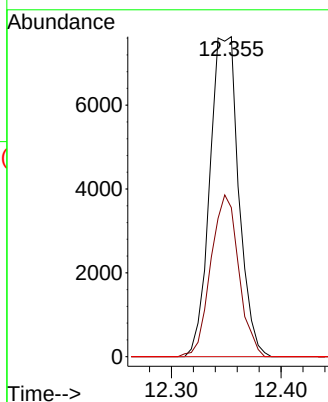
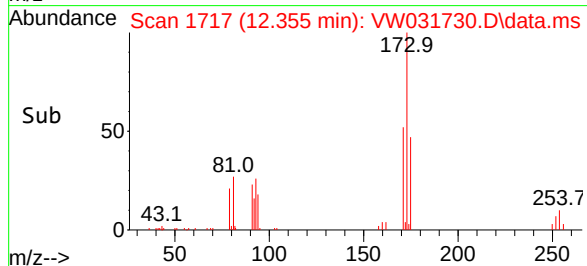
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



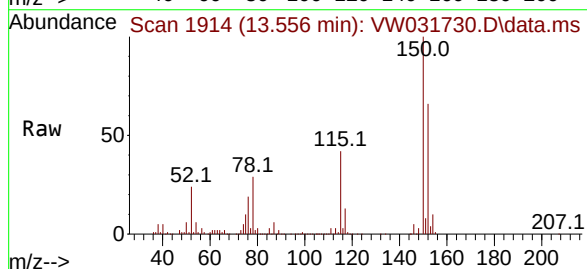
Tgt Ion:173 Resp: 1396
Ion Ratio Lower Upper
173 100
175 48.8 24.0 72.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

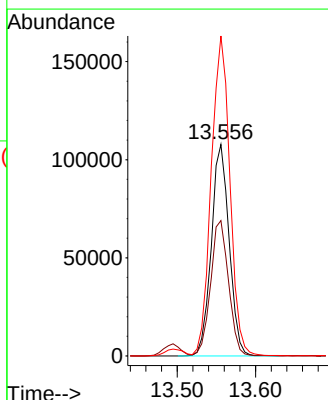
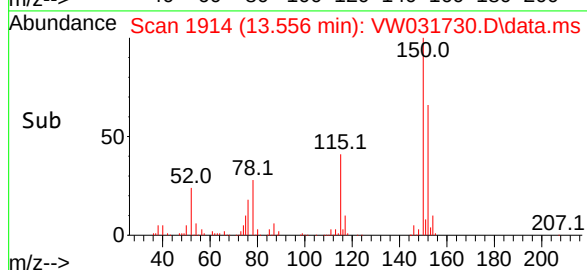
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

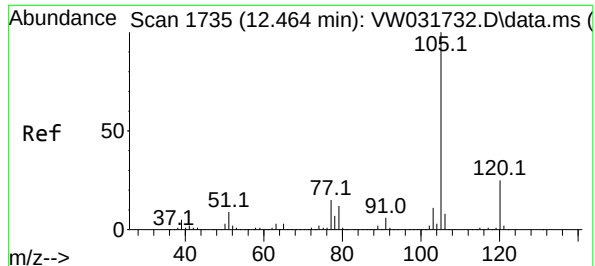


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15



Tgt Ion:152 Resp: 170268
Ion Ratio Lower Upper
152 100
115 64.2 31.9 95.7
150 158.5 0.0 356.4





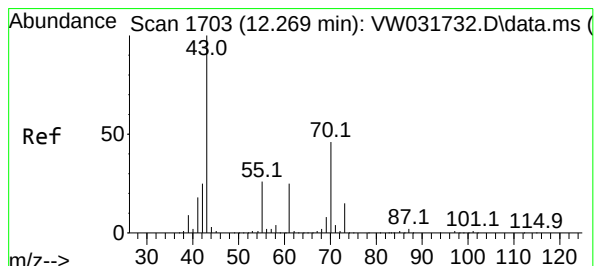
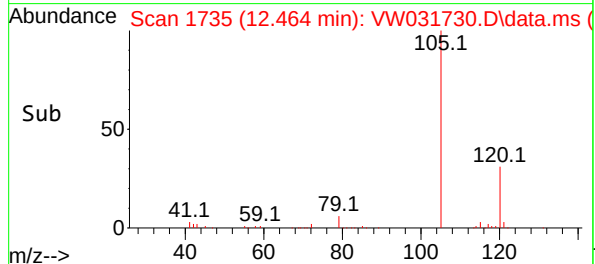
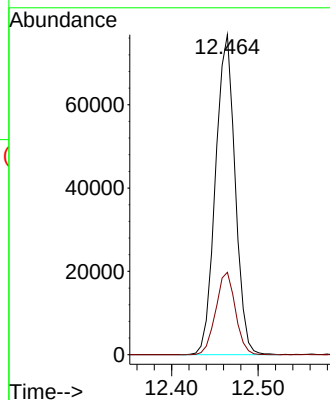
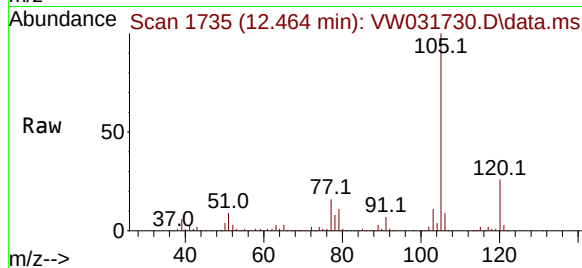
#73
Isopropylbenzene
Concen: 9.331 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 12085
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

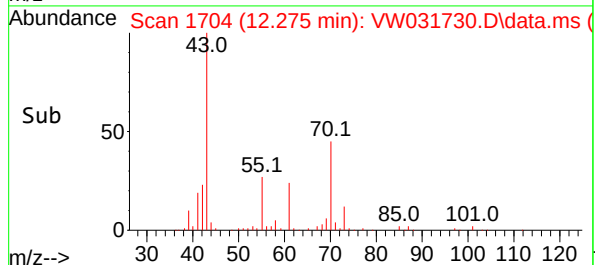
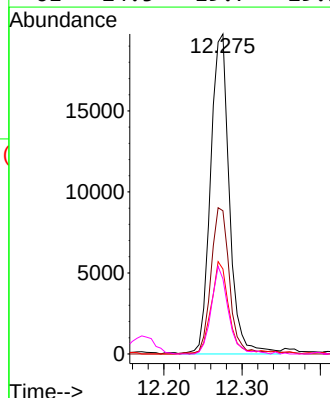
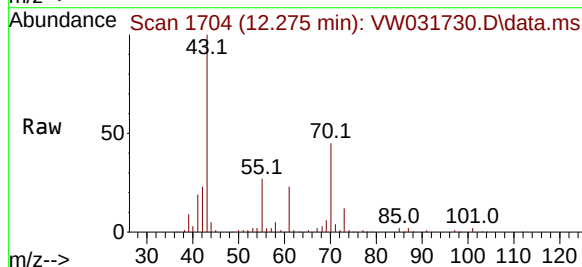
Manual Integrations
APPROVED

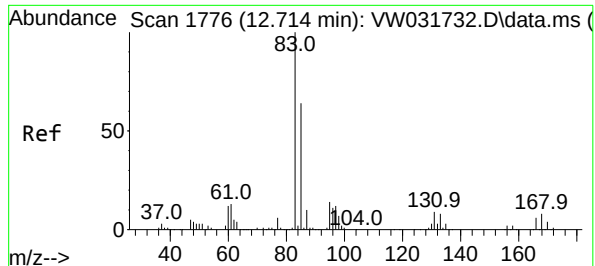
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 9.467 ug/l
RT: 12.275 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 33049
Ion Ratio Lower Upper
43 100
70 44.7 36.0 54.0
55 26.8 20.8 31.2
61 24.5 19.7 29.5





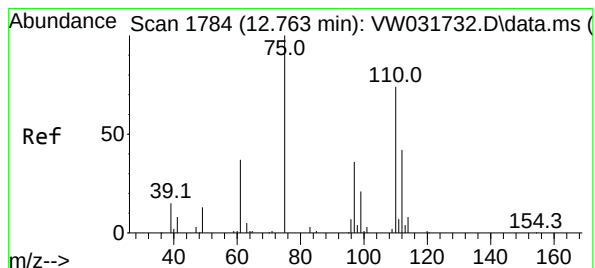
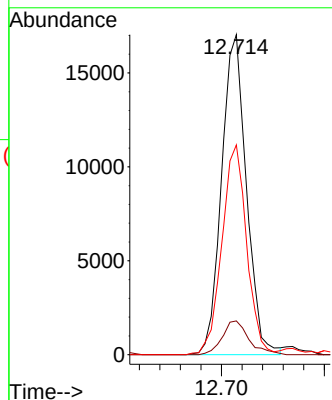
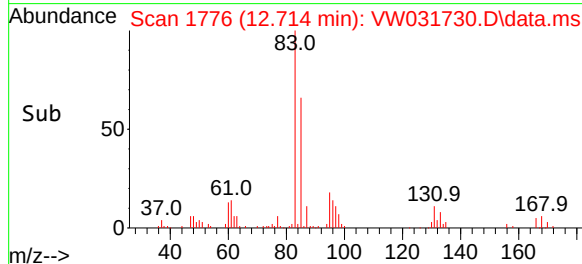
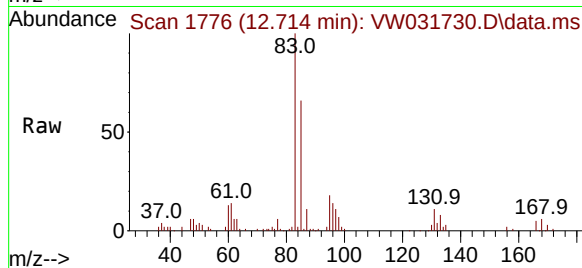
#75
1,1,2-Tetrachloroethane
Concen: 9.935 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 2856
Ion Ratio Lower Upper
83 100
131 11.3 5.3 16.1
85 65.2 32.0 96.2

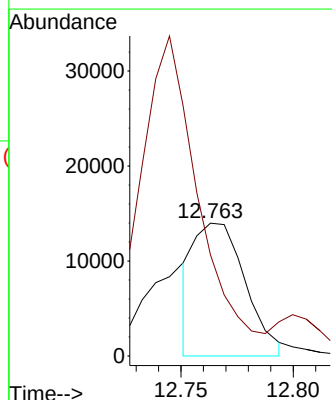
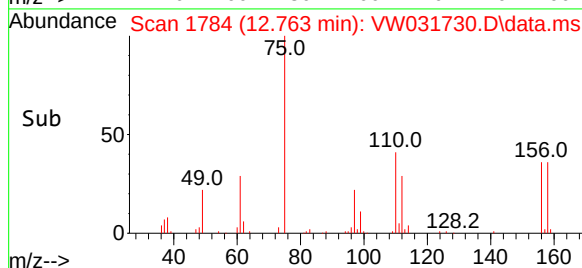
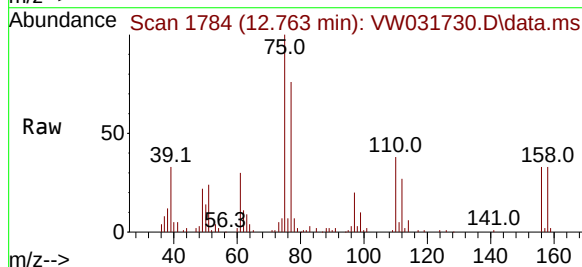
Manual Integrations
APPROVED

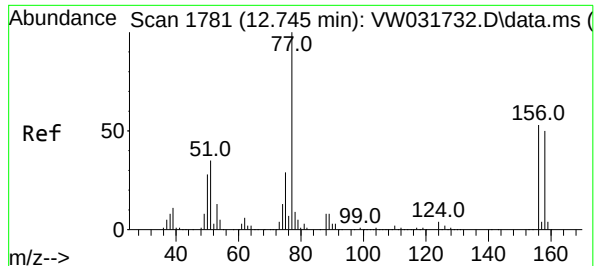
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 10.079 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

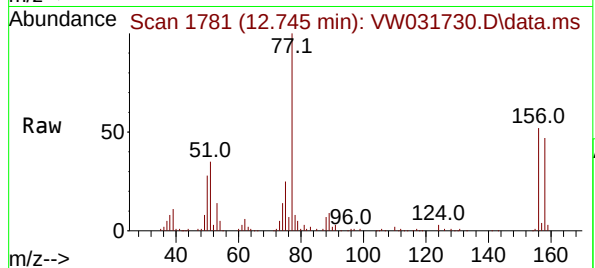
Tgt Ion: 75 Resp: 22177
Ion Ratio Lower Upper
75 100
77 277.8 141.2 423.6





#77
Bromobenzene
Concen: 9.682 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

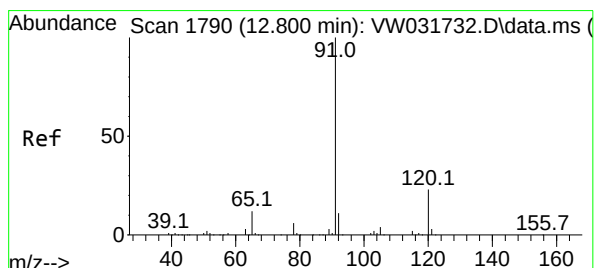
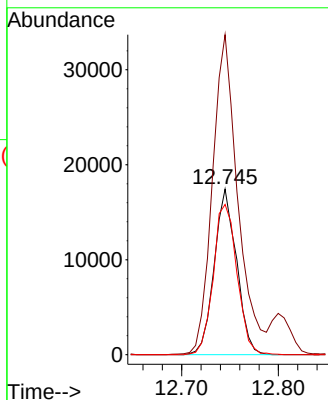
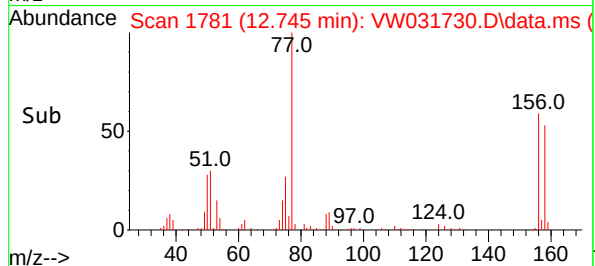
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



Tgt Ion: 156 Resp: 27969
Ion Ratio Lower Upper
156 100
77 220.3 117.9 353.7
158 96.4 52.6 157.8

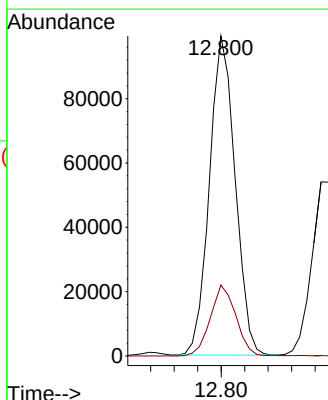
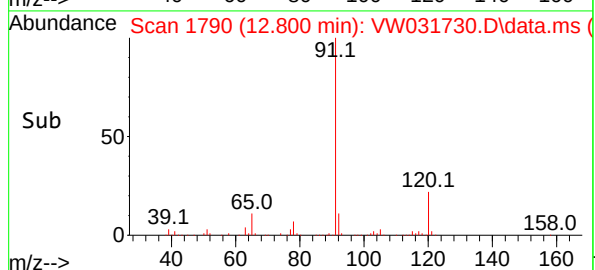
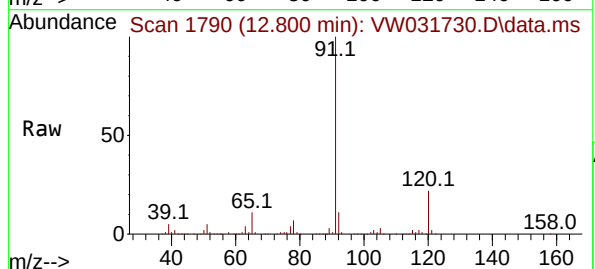
Manual Integrations
APPROVED

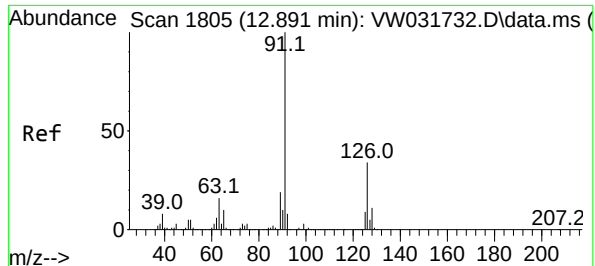
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#78
n-propylbenzene
Concen: 9.734 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 150962
Ion Ratio Lower Upper
91 100
120 22.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 9.654 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 90162

Ion Ratio Lower Upper

91 100

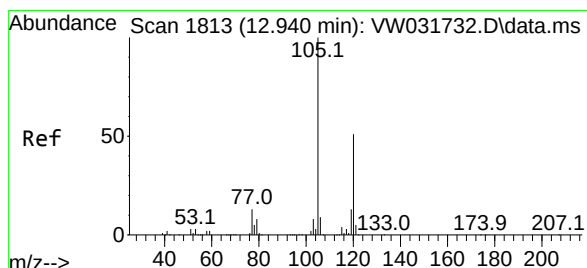
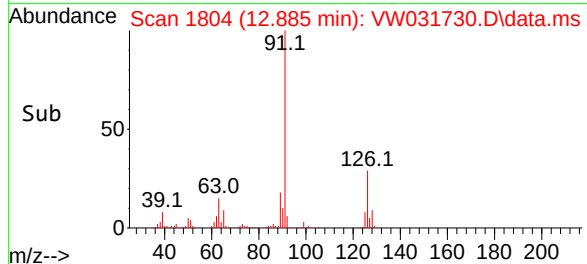
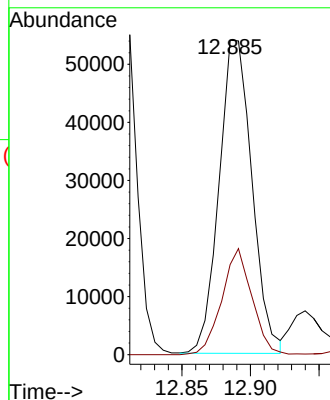
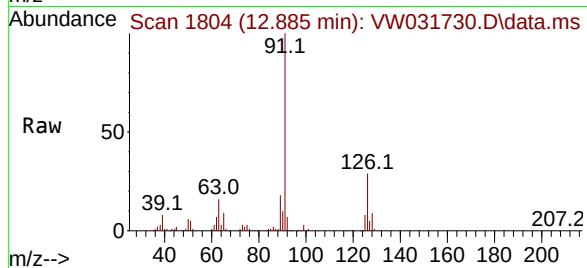
126 31.1 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.489 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031730.D

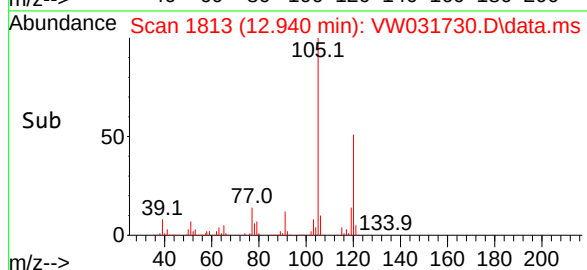
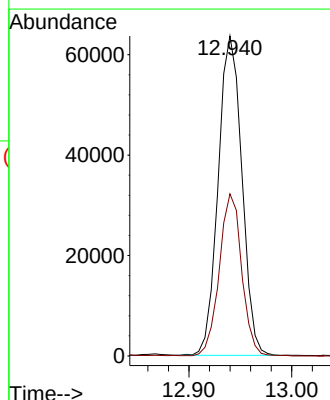
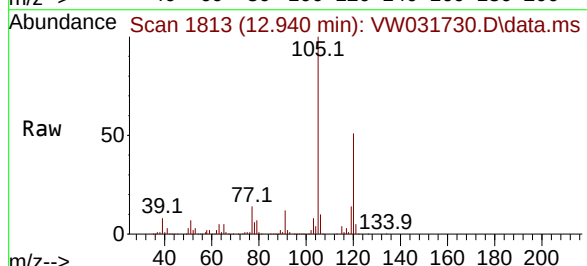
Acq: 30 Jun 2025 10:15

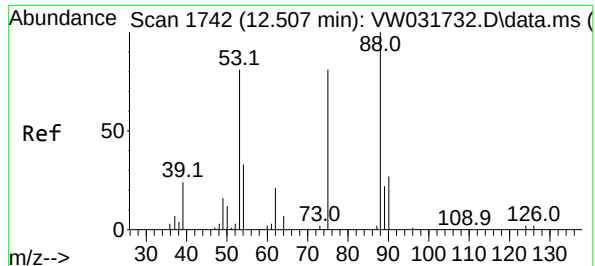
Tgt Ion:105 Resp: 101724

Ion Ratio Lower Upper

105 100

120 48.1 23.8 71.2





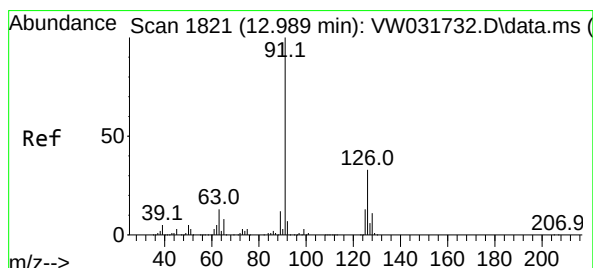
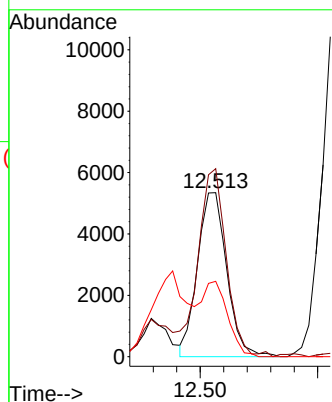
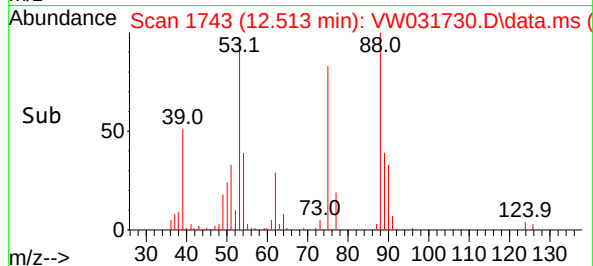
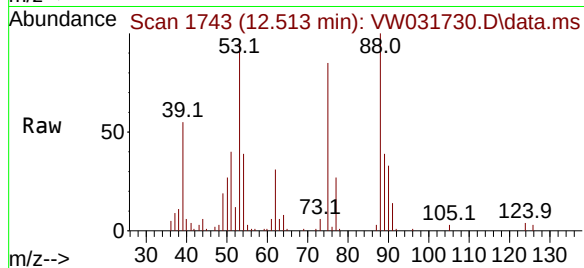
#81
trans-1,4-Dichloro-2-butene
Concen: 9.808 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 9260
Ion Ratio Lower Upper
75 100
53 112.1 83.5 125.3
89 40.9 38.3 57.5

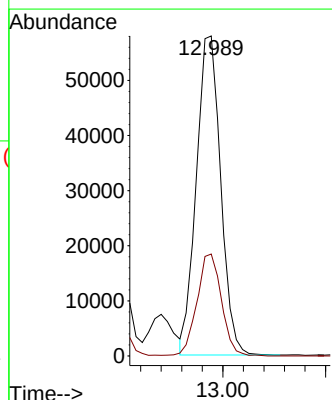
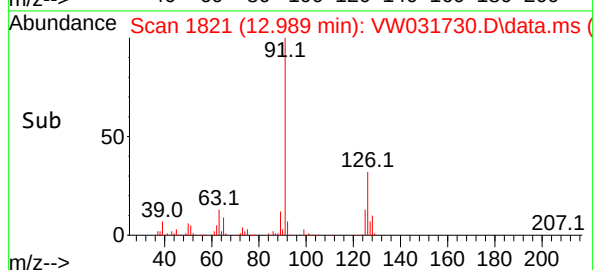
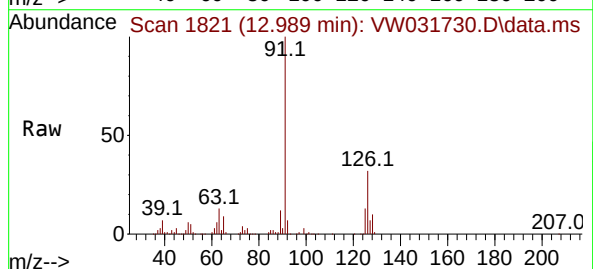
Manual Integrations
APPROVED

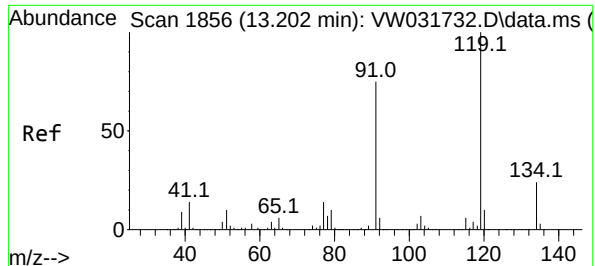
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 9.731 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

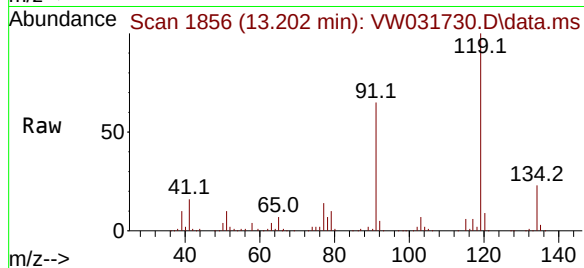
Tgt Ion: 91 Resp: 95411
Ion Ratio Lower Upper
91 100
126 32.2 16.0 47.9





#83
tert-Butylbenzene
Concen: 9.495 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

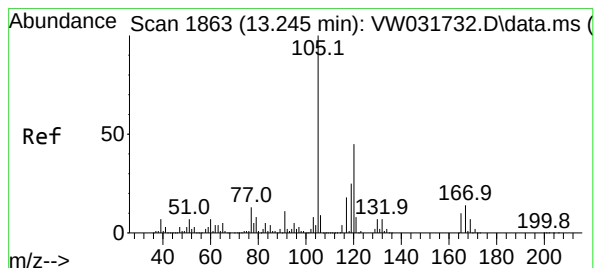
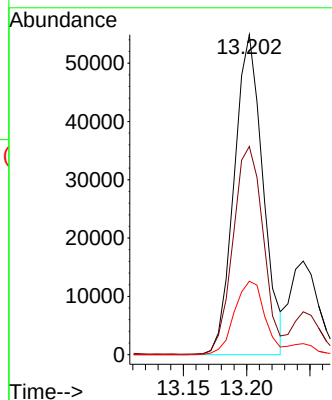
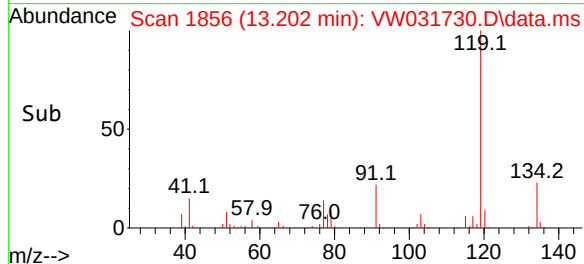
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010



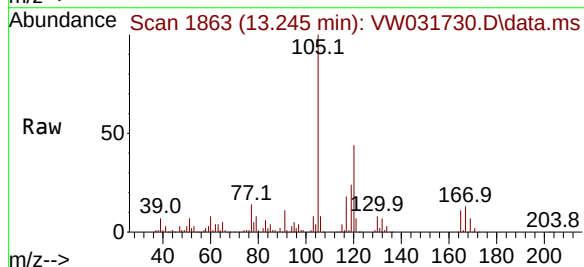
Tgt Ion:119 Resp: 87194
Ion Ratio Lower Upper
119 100
91 68.0 36.0 108.1
134 24.6 12.4 37.2

Manual Integrations
APPROVED

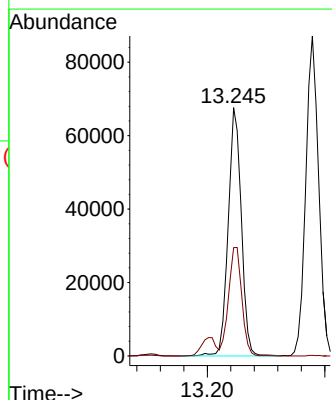
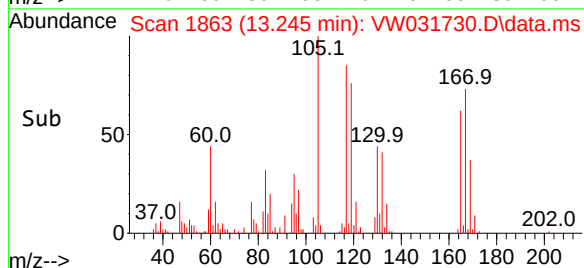
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

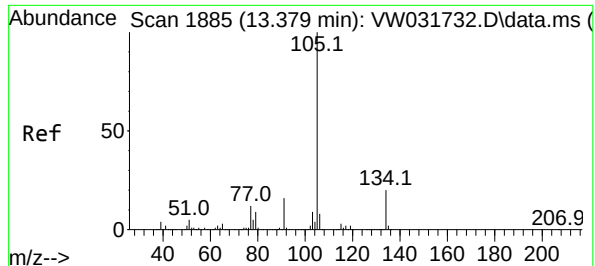


#84
1,2,4-Trimethylbenzene
Concen: 9.651 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15



Tgt Ion:105 Resp: 104832
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1





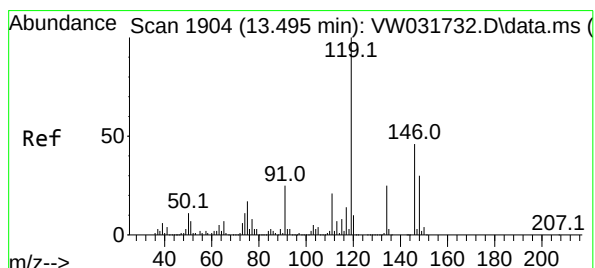
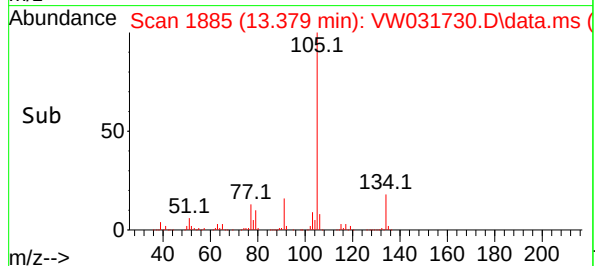
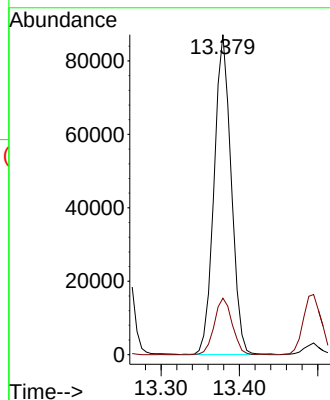
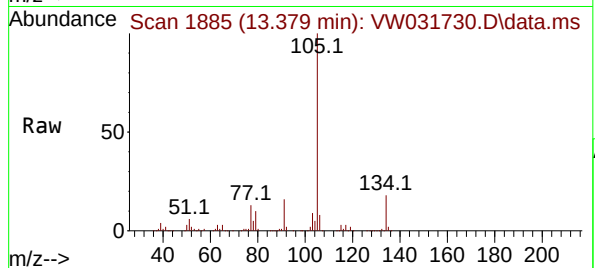
#85
sec-Butylbenzene
Concen: 9.578 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 132010
Ion Ratio Lower Upper
105 100
134 18.6 9.6 28.8

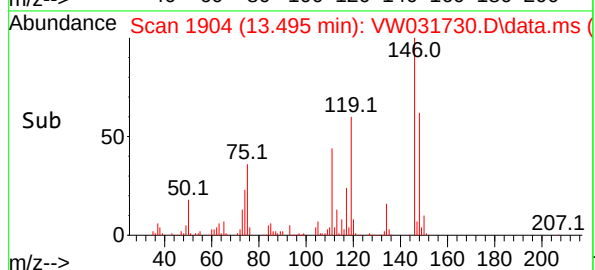
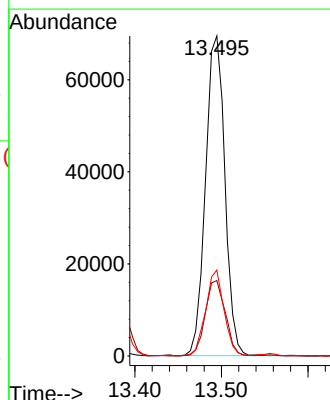
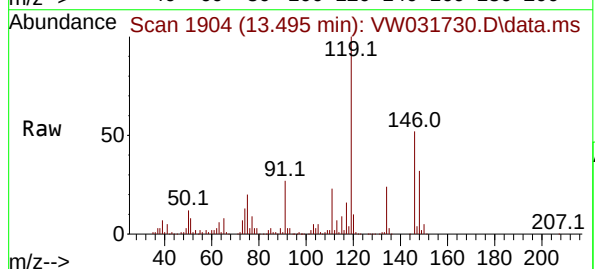
Manual Integrations
APPROVED

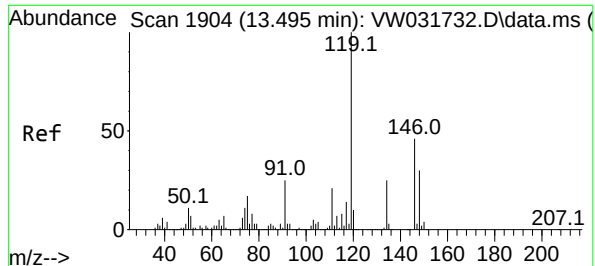
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#86
p-Isopropyltoluene
Concen: 9.490 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:119 Resp: 107805
Ion Ratio Lower Upper
119 100
134 24.5 12.9 38.7
91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 10.021 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031730.D

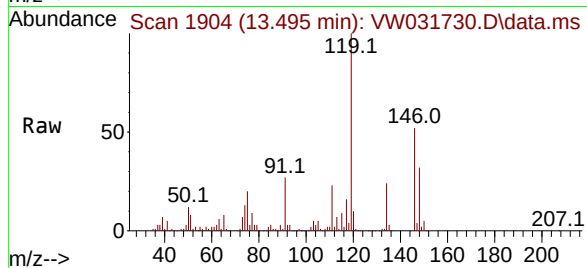
Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

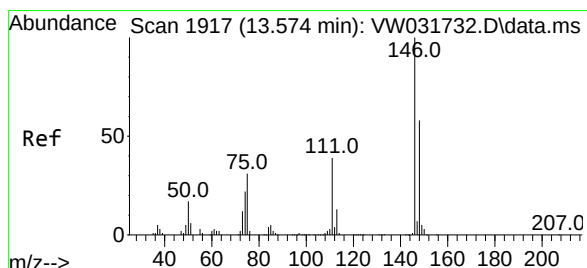
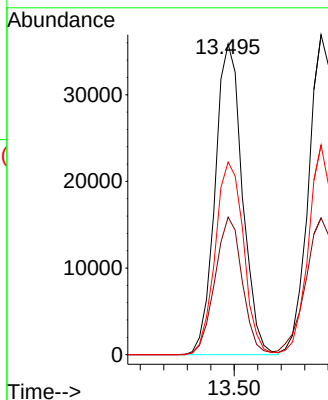
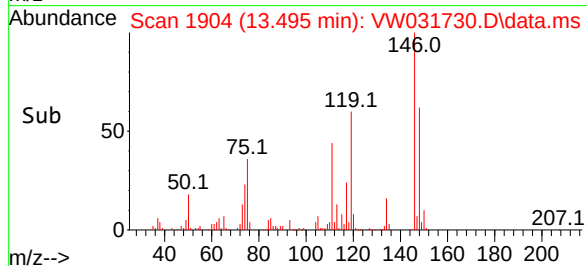


Tgt Ion:	146	Resp:	58049
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.3	66.9
148	64.4	31.8	95.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

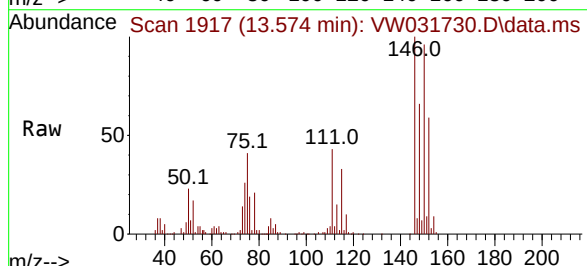
Concen: 10.051 ug/l

RT: 13.574 min Scan# 1917

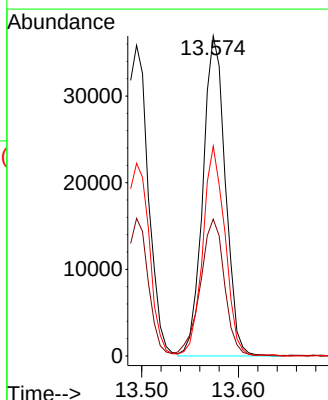
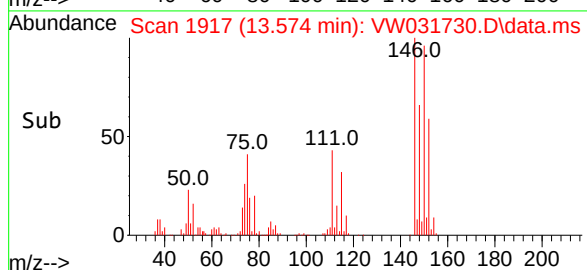
Delta R.T. 0.000 min

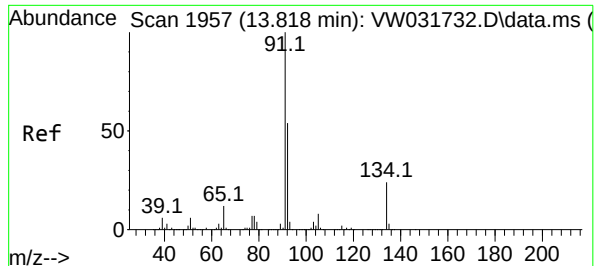
Lab File: VW031730.D

Acq: 30 Jun 2025 10:15



Tgt Ion:	146	Resp:	59597
Ion Ratio	Lower	Upper	
146	100		
111	46.2	20.4	61.3
148	64.0	30.2	90.6





#89

n-Butylbenzene

Concen: 9.597 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

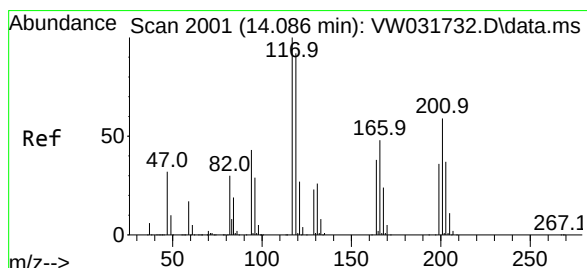
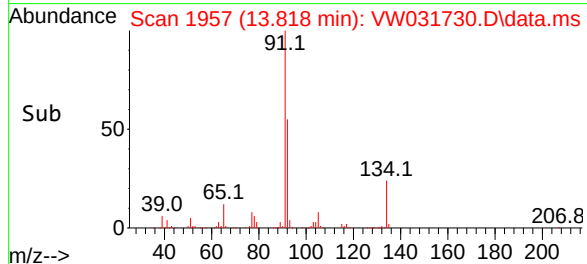
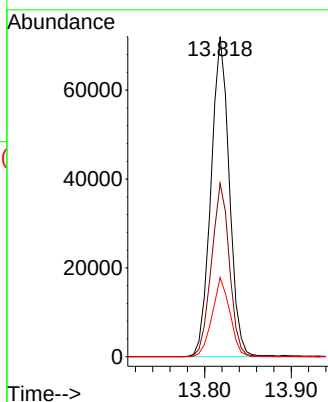
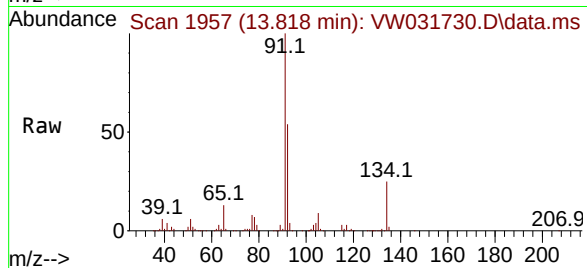
ClientSampleId :

VSTDICC010

Tgt Ion:	91	Resp:	10592
Ion Ratio	Lower	Upper	
91	100		
92	53.2	27.2	81.5
134	23.9	12.2	36.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 9.420 ug/l

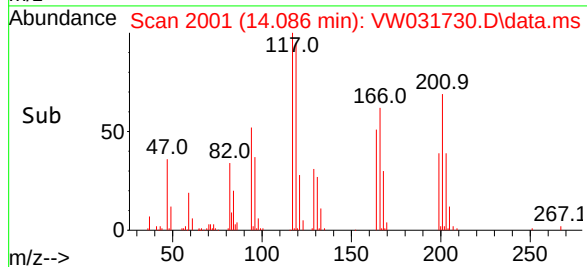
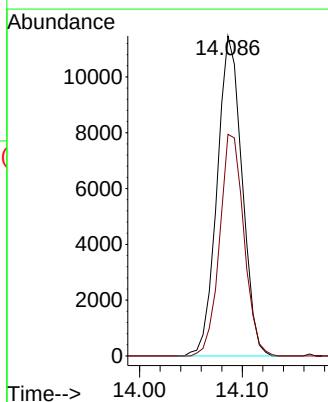
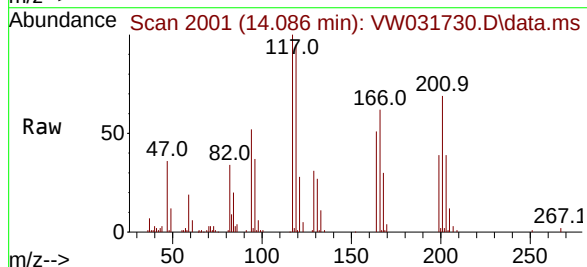
RT: 14.086 min Scan# 2001

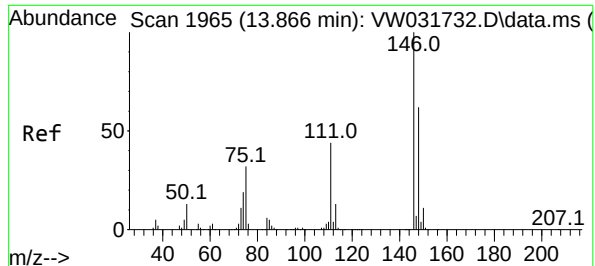
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	117	Resp:	19306
Ion Ratio	Lower	Upper	
117	100		
201	67.7	31.1	93.3





#91

1,2-Dichlorobenzene

Concen: 9.761 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

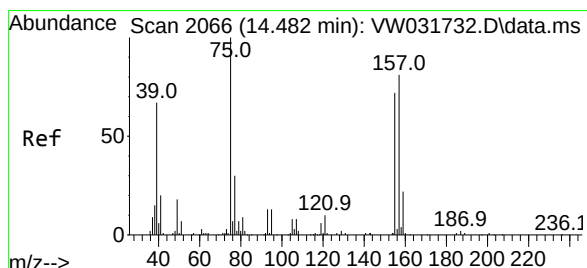
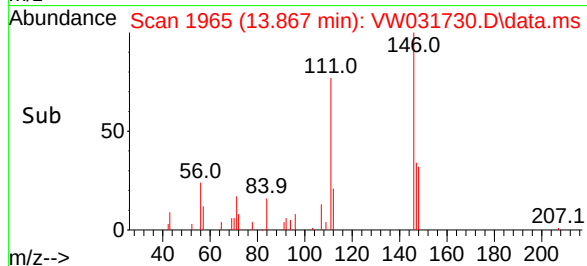
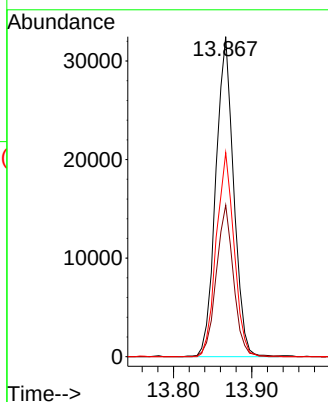
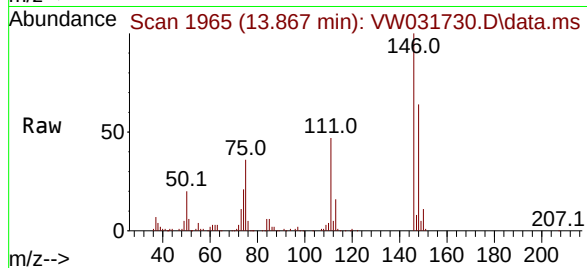
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	51680
Ion Ratio	Lower	Upper	
146	100		
111	45.5	21.7	65.1
148	63.3	29.8	89.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.634 ug/l

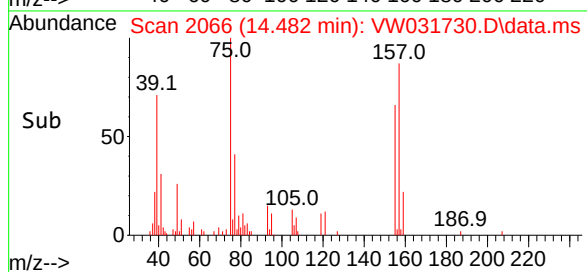
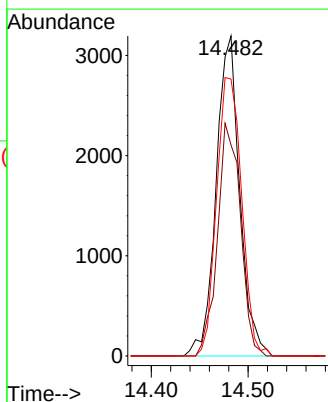
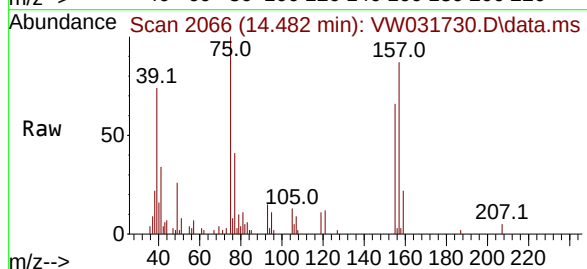
RT: 14.482 min Scan# 2066

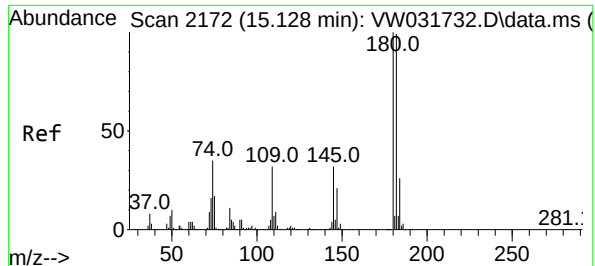
Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Tgt Ion:	75	Resp:	5409
Ion Ratio	Lower	Upper	
75	100		
155	70.9	37.2	111.6
157	92.6	45.6	136.9





#93

1,2,4-Trichlorobenzene

Concen: 9.371 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 3059

Ion Ratio Lower Upper

180 100

182 100.0 48.6 145.9

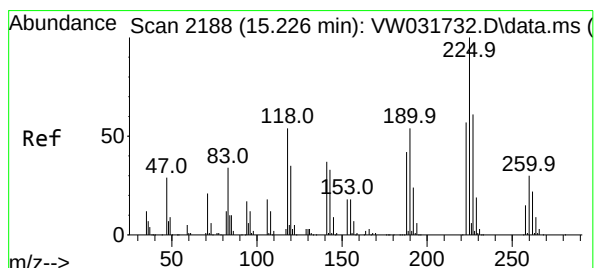
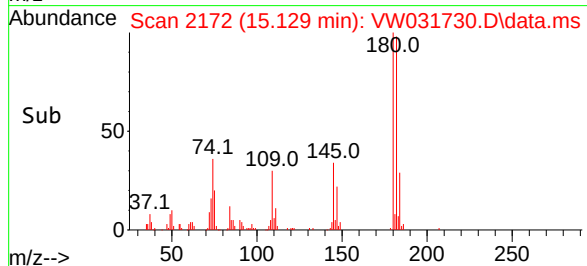
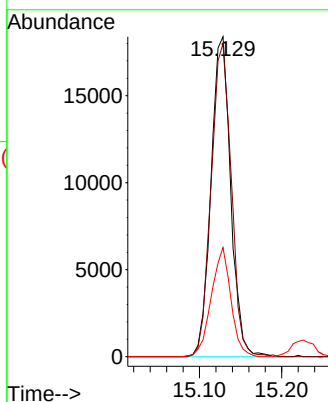
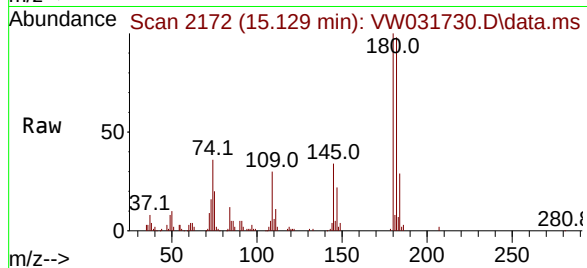
145 33.9 17.3 51.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 10.136 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031730.D

Acq: 30 Jun 2025 10:15

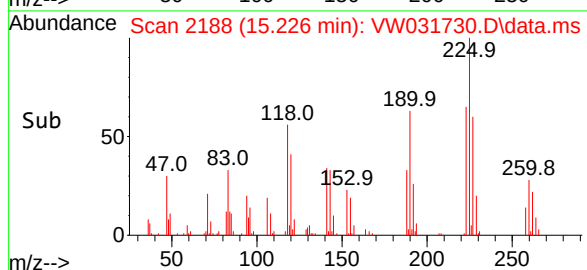
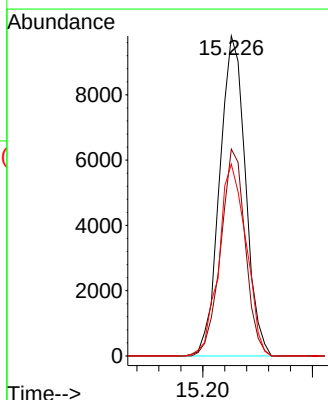
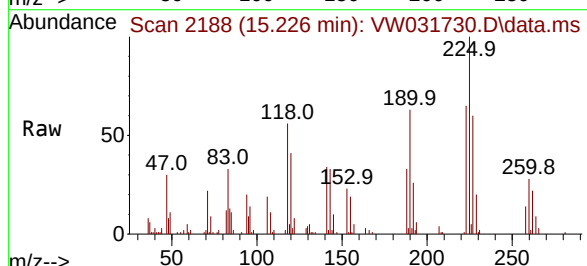
Tgt Ion:225 Resp: 15982

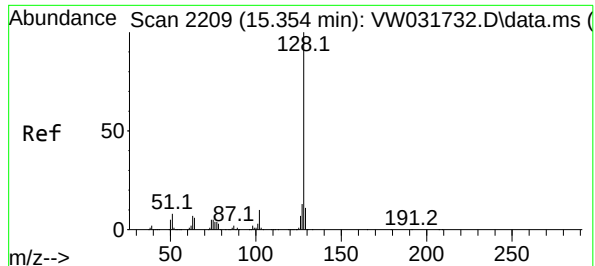
Ion Ratio Lower Upper

225 100

223 61.5 32.6 97.8

227 63.7 37.3 111.8





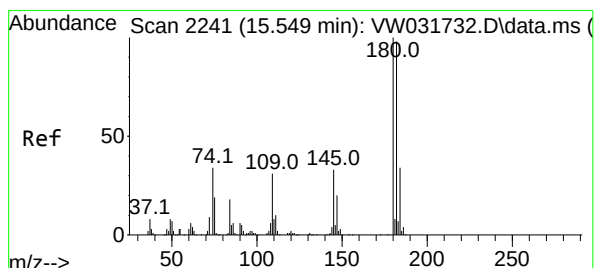
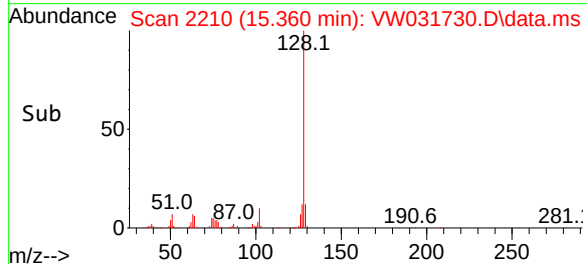
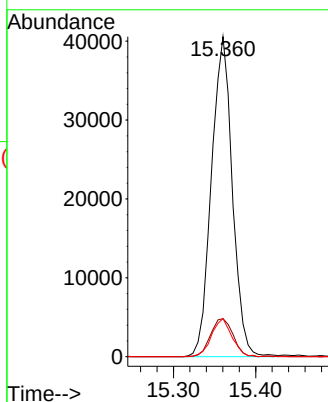
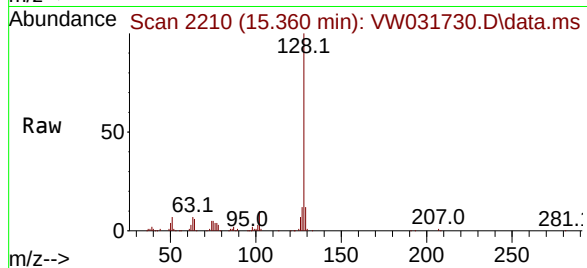
#95
Naphthalene
Concen: 8.964 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 71758
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 11.7 8.7 13.1

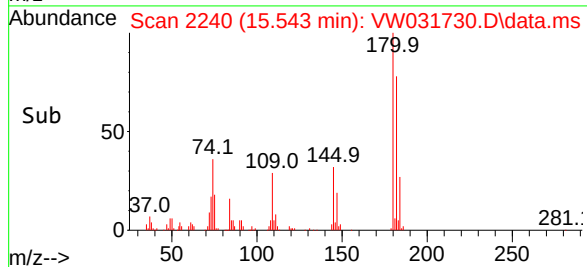
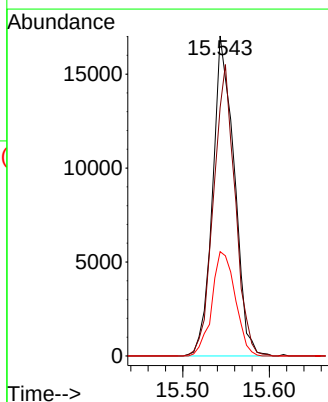
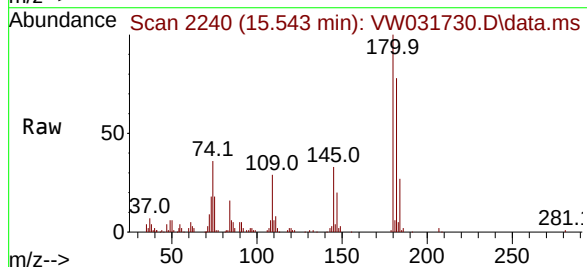
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.823 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:180 Resp: 29473
Ion Ratio Lower Upper
180 100
182 90.8 46.4 139.1
145 35.3 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	41.220%#
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	42.700%#
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	42.480%#
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	41.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l	91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l	100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l	100
44) Trichloroethene	9.099	130	54194	21.074	ug/l	100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l	100
46) Dibromomethane	9.465	93	33467	20.817	ug/l	98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l	96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l	98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l	
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l	99
52) Toluene	10.391	92	138387	20.978	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l	98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l	99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l	98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l	99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l	98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l	99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l	94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l	98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l	96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l	97
69) o-Xylene	12.165	106	95105	20.126	ug/l	99
70) Styrene	12.178	104	165896	20.307	ug/l	100
71) Bromoform	12.348	173	28135	19.330	ug/l #	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l	99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l	
77) Bromobenzene	12.745	156	55325	19.235	ug/l	92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l	98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l	92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l	99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l	98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l	100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l	95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l	98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l	95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l	94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l	94
95) Naphthalene	15.354	128	146159	18.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l	93

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Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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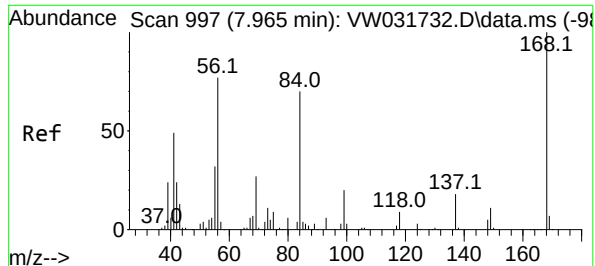
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

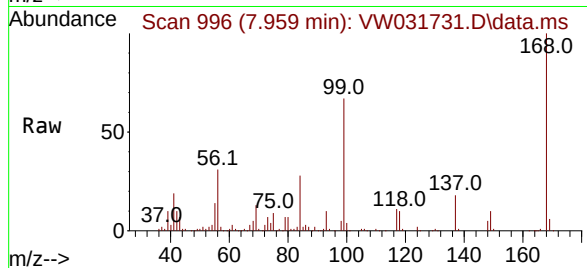
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

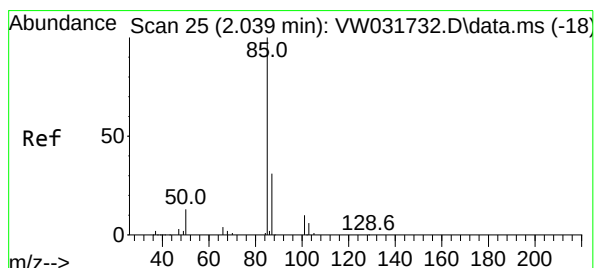
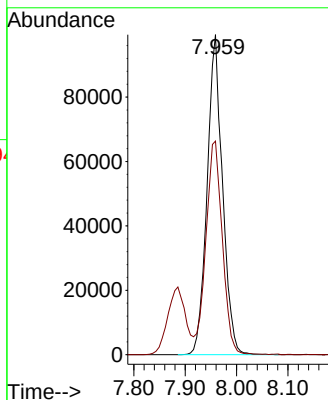
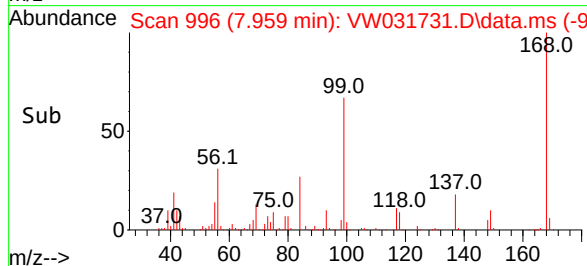
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 20636
Ion Ratio Lower Upper
168 100
99 66.6 49.4 74.2

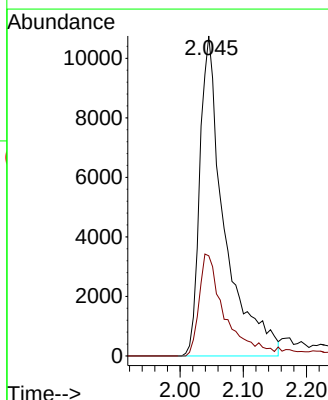
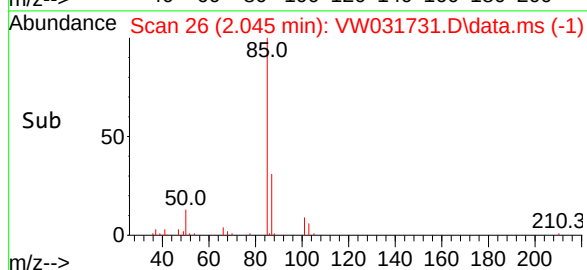
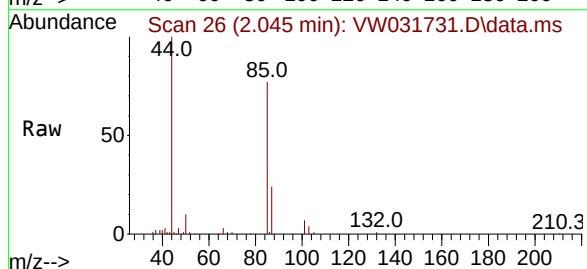
Manual Integrations
APPROVED

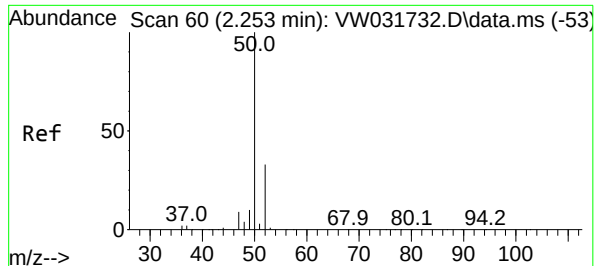
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 20.703 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 85 Resp: 29096
Ion Ratio Lower Upper
85 100
87 31.3 15.4 46.2





#3

Chloromethane

Concen: 20.832 ug/l

RT: 2.253 min Scan# 60

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 3529

Ion Ratio Lower Upper

50 100

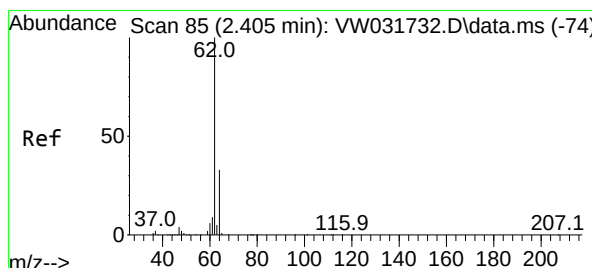
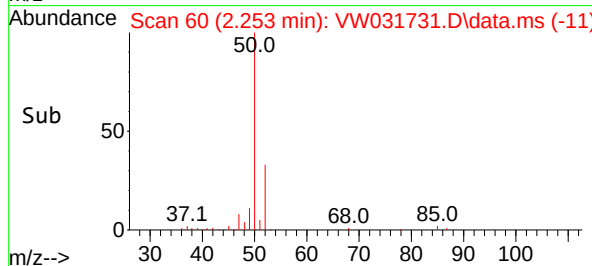
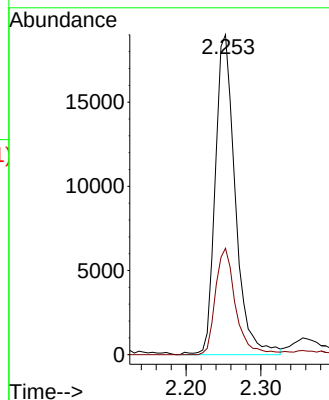
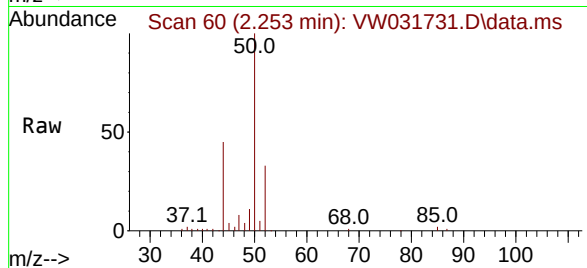
52 33.2 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#4

Vinyl Chloride

Concen: 21.344 ug/l

RT: 2.405 min Scan# 85

Delta R.T. 0.000 min

Lab File: VW031731.D

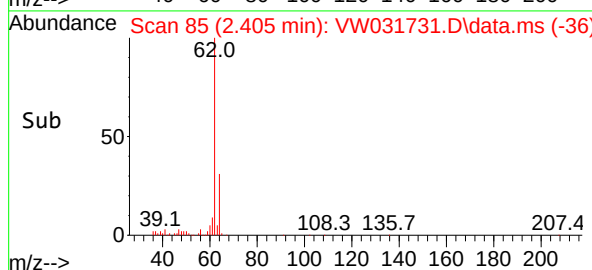
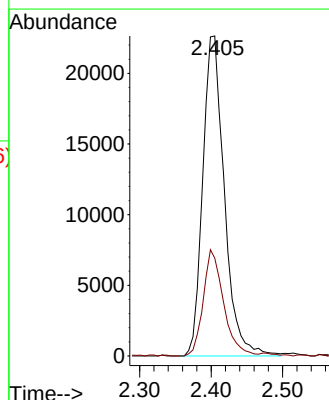
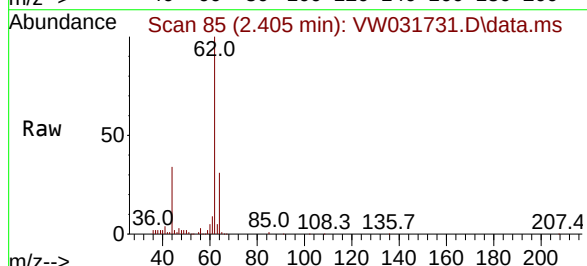
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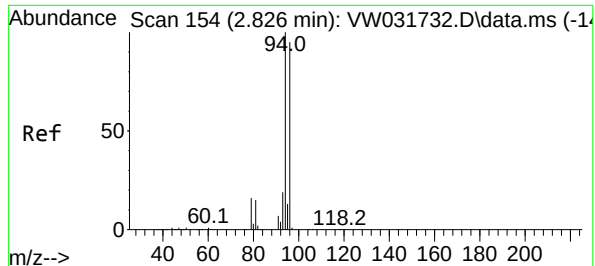
Tgt Ion: 62 Resp: 47534

Ion Ratio Lower Upper

62 100

64 30.5 26.8 40.2





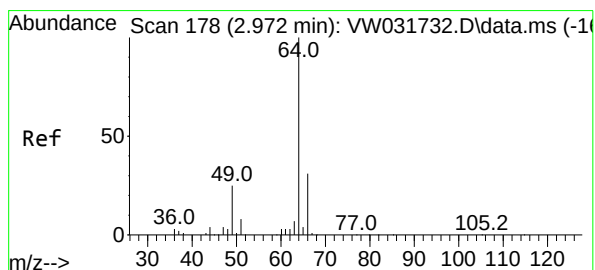
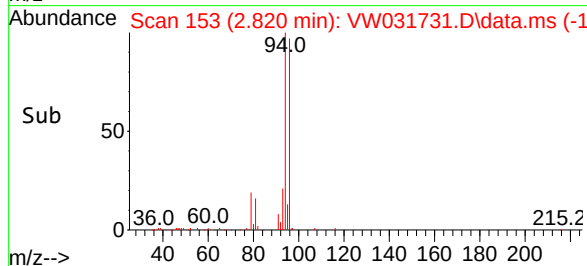
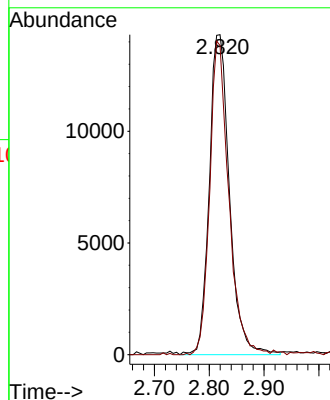
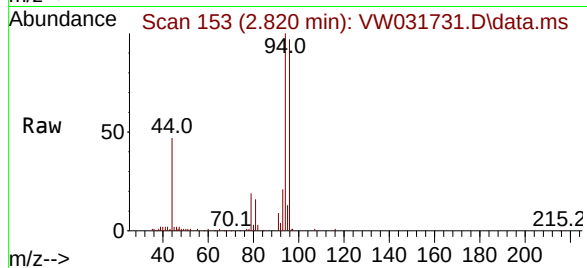
#5
Bromomethane
Concen: 21.030 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 3658
Ion Ratio Lower Upper
94 100
96 96.6 75.6 113.4

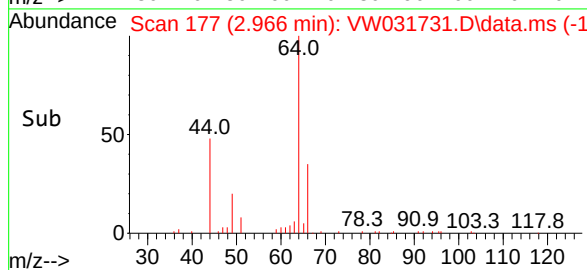
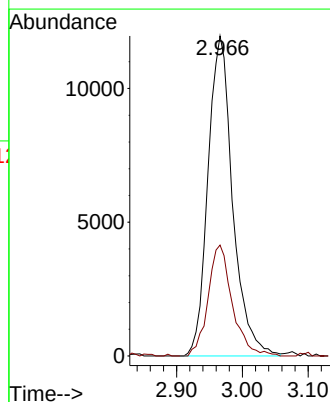
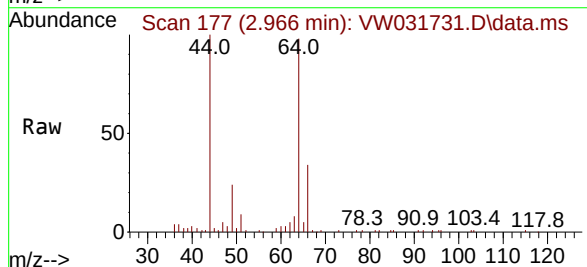
Manual Integrations
APPROVED

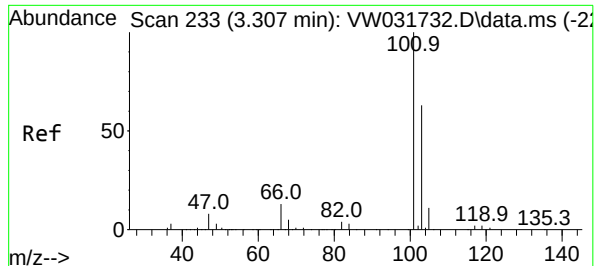
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#6
Chloroethane
Concen: 20.660 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 64 Resp: 31253
Ion Ratio Lower Upper
64 100
66 34.6 24.5 36.7





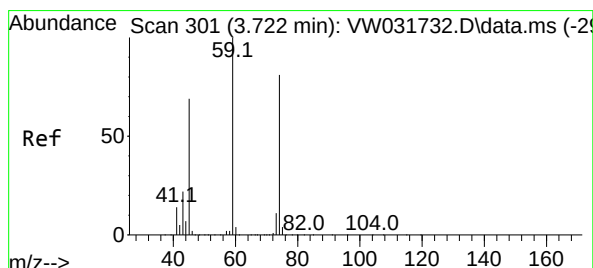
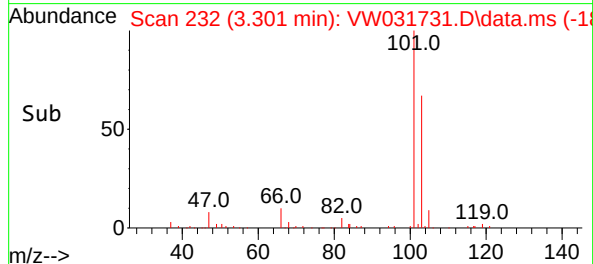
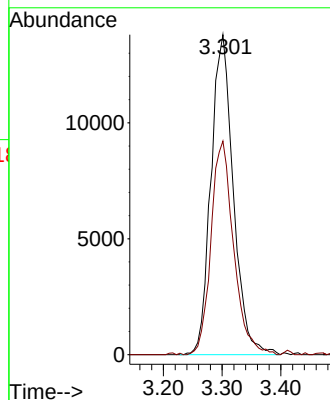
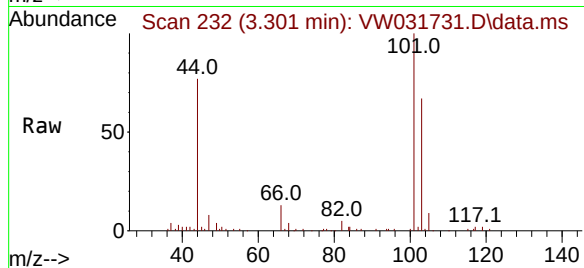
#7
Trichlorofluoromethane
Concen: 18.036 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 36478
Ion Ratio Lower Upper
101 100
103 66.7 50.2 75.4

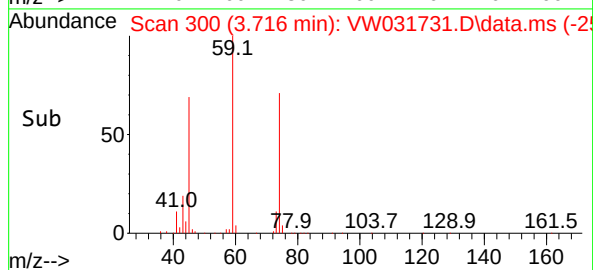
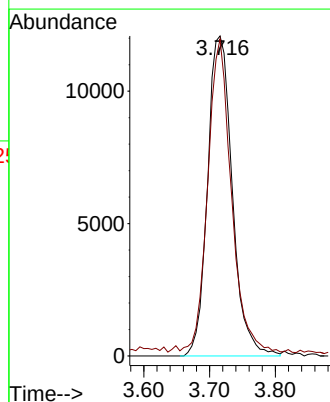
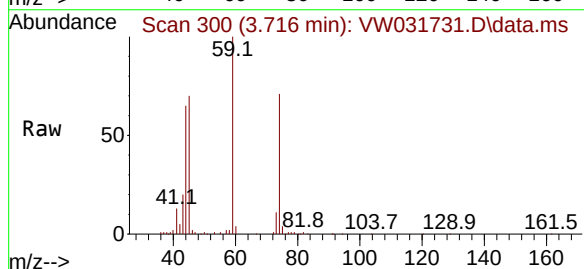
Manual Integrations
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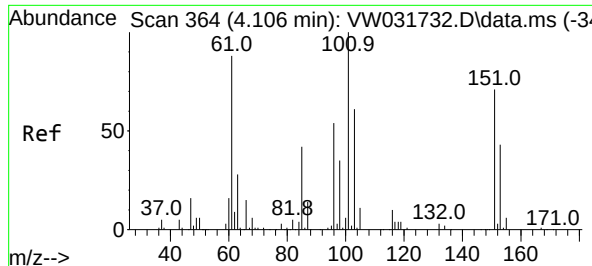
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 20.589 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

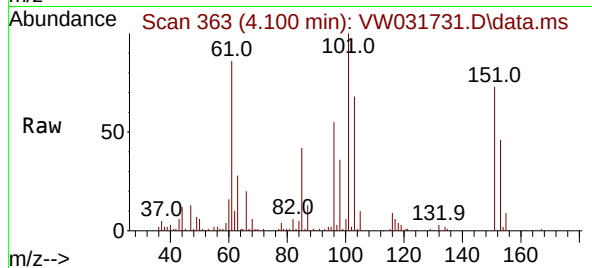
Tgt Ion: 74 Resp: 31642
Ion Ratio Lower Upper
74 100
45 92.6 43.9 131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.923 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

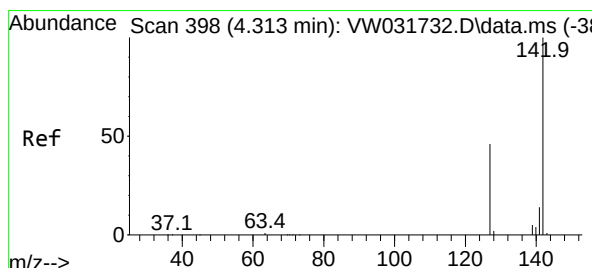
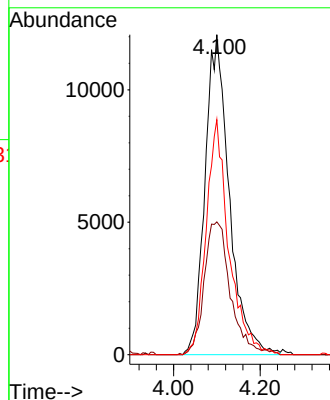
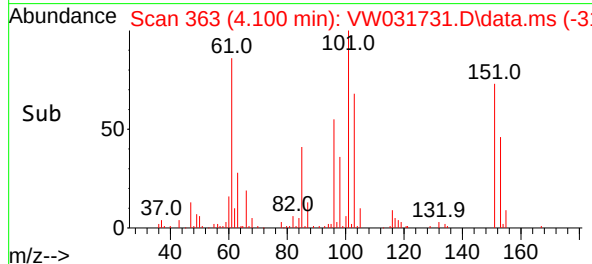
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 46970
Ion Ratio Lower Upper
101 100
85 45.0 35.6 53.4
151 68.6 56.8 85.2

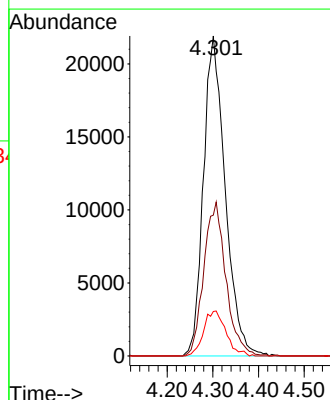
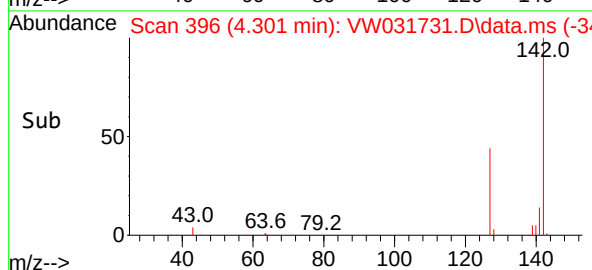
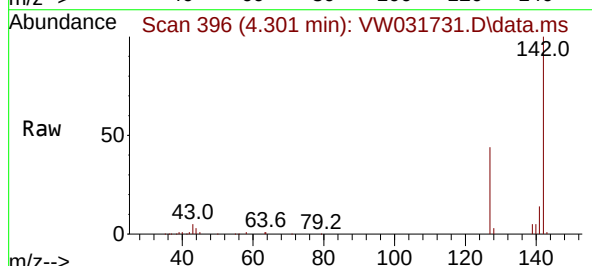
Manual Integrations
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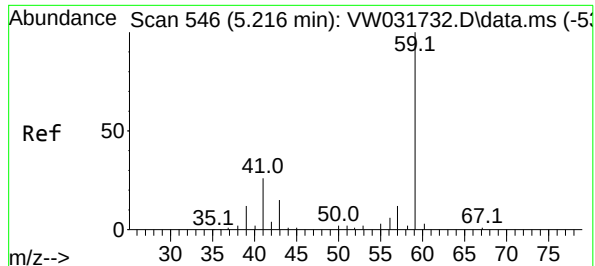
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 20.981 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:142 Resp: 72612
Ion Ratio Lower Upper
142 100
127 48.7 37.9 56.9
141 14.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 95.135 ug/l

RT: 5.209 min Scan# 54

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 1745

Ion Ratio Lower Upper

59 100

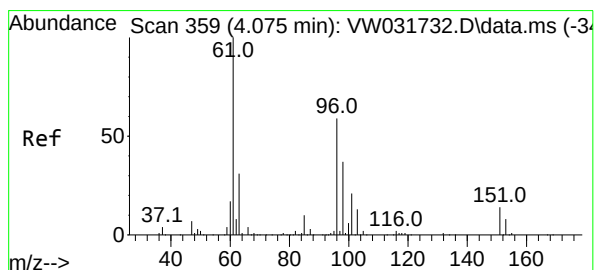
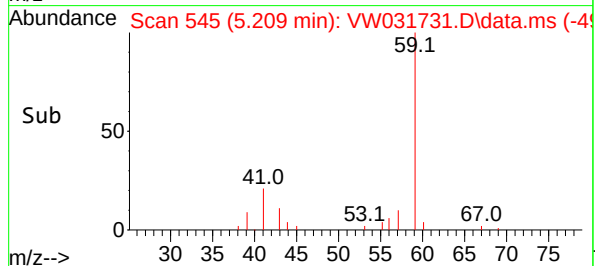
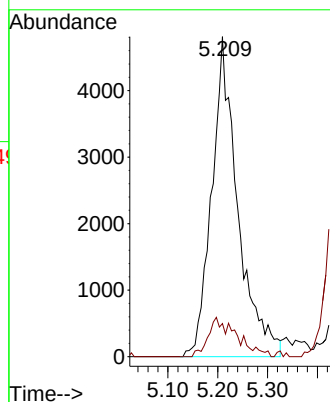
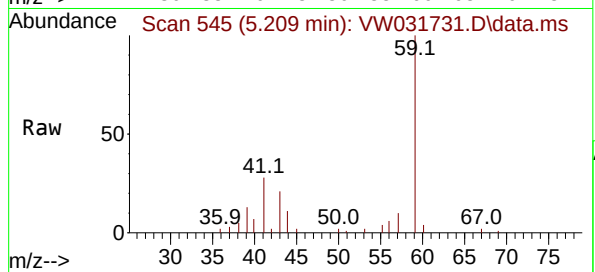
57 7.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#12

1,1-Dichloroethene

Concen: 20.880 ug/l

RT: 4.069 min Scan# 358

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

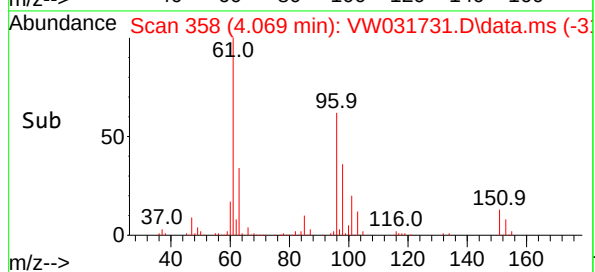
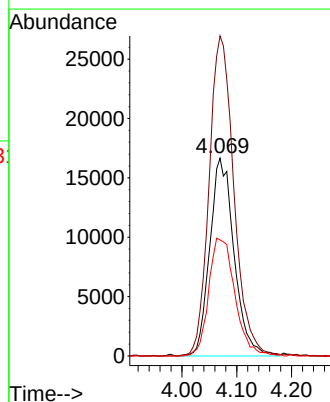
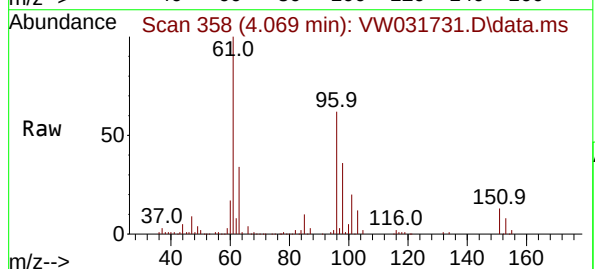
Tgt Ion: 96 Resp: 51343

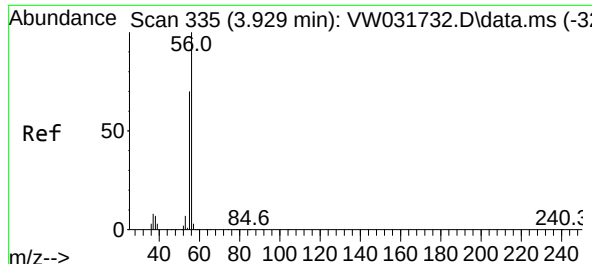
Ion Ratio Lower Upper

96 100

61 161.5 135.8 203.8

98 58.7 50.4 75.6





#13

Acrolein

Concen: 102.894 ug/l

RT: 3.923 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 3393

Ion Ratio Lower Upper

56 100

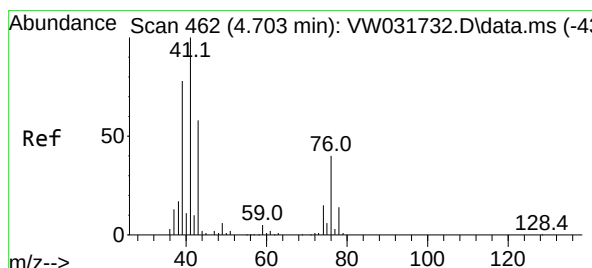
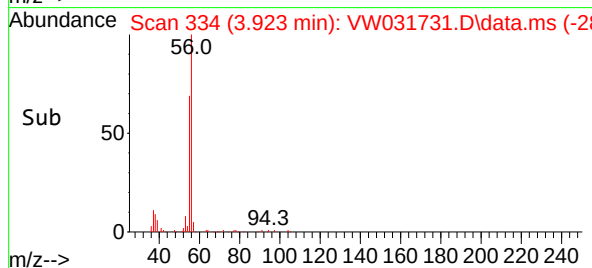
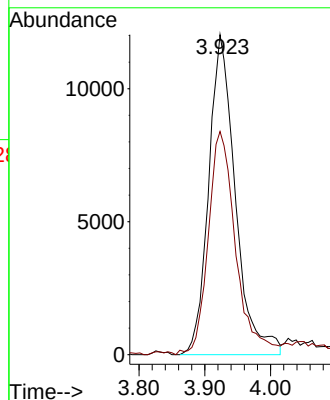
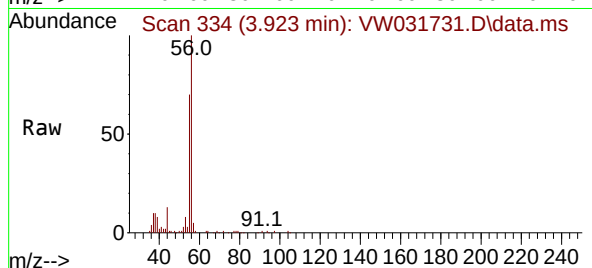
55 71.7 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#14

Allyl chloride

Concen: 20.522 ug/l

RT: 4.697 min Scan# 461

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

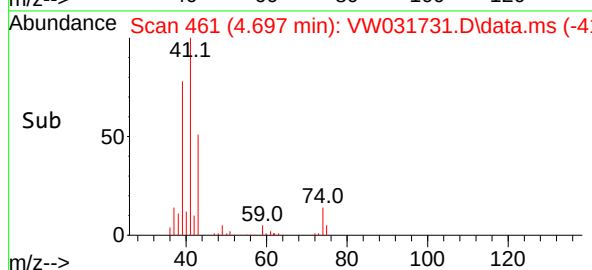
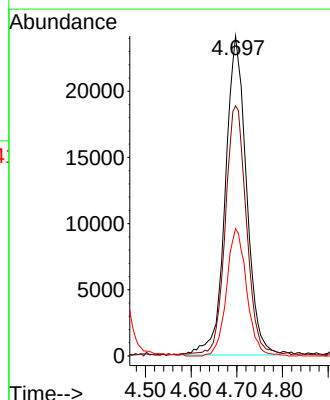
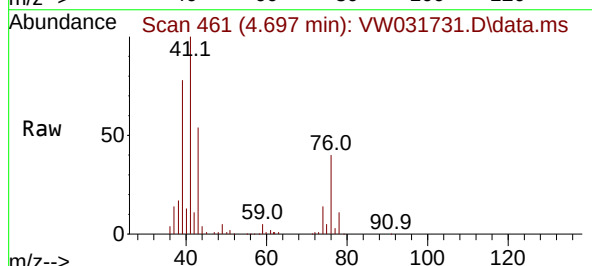
Tgt Ion: 41 Resp: 77423

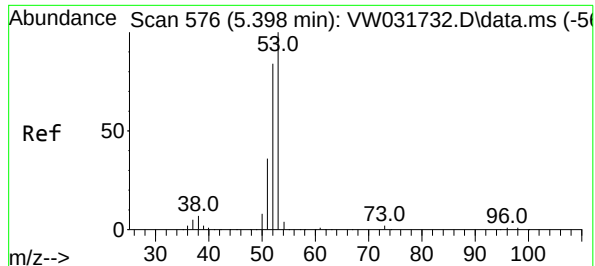
Ion Ratio Lower Upper

41 100

39 77.6 60.7 91.1

76 38.1 30.3 45.5





#15

Acrylonitrile

Concen: 99.411 ug/l

RT: 5.398 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

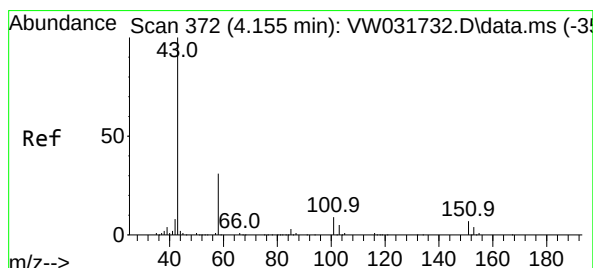
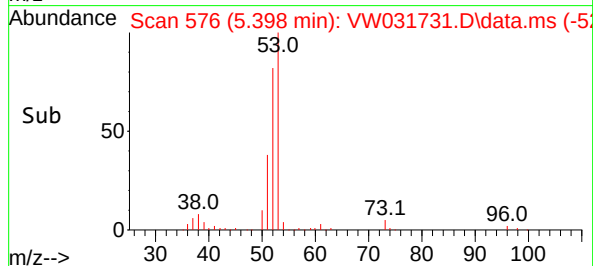
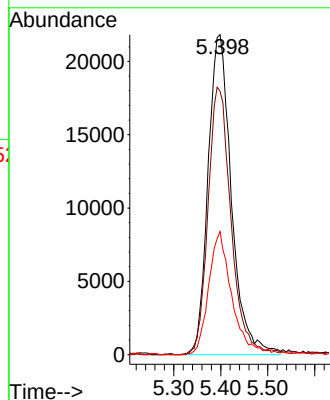
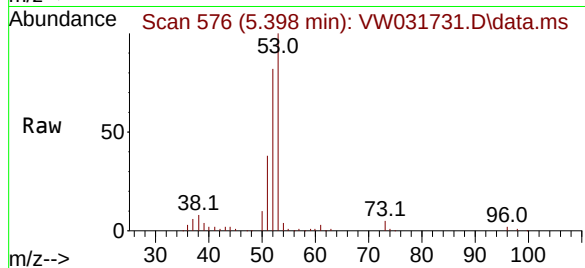
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	7513
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	38.5	29.9	44.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 95.875 ug/l

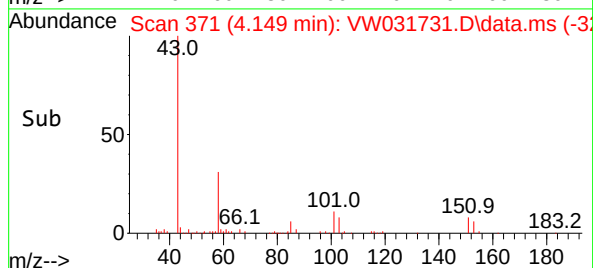
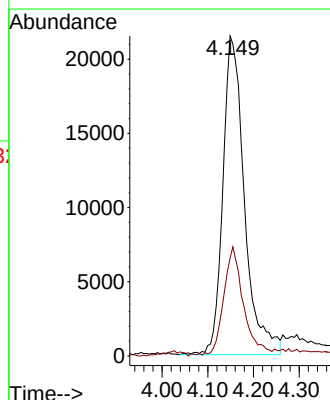
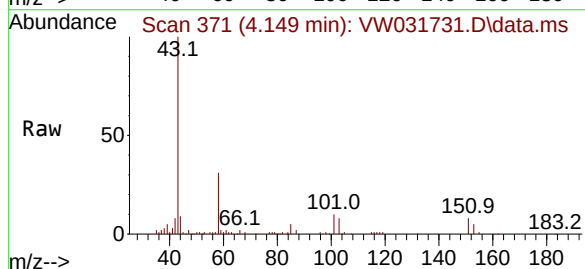
RT: 4.149 min Scan# 371

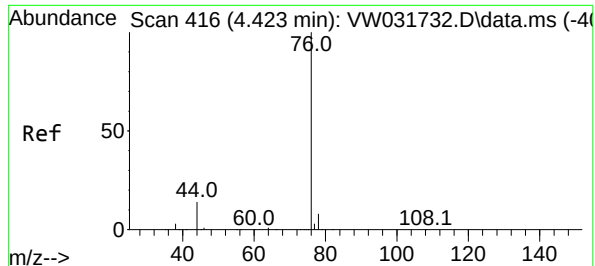
Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:	43	Resp:	70616
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.8	37.2





#17

Carbon Disulfide

Concen: 20.656 ug/l

RT: 4.411 min Scan# 414

Delta R.T. -0.012 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 13591

Ion Ratio Lower Upper

76 100

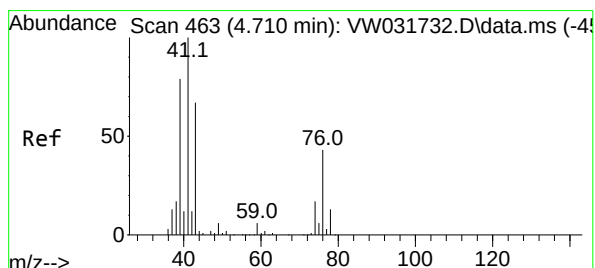
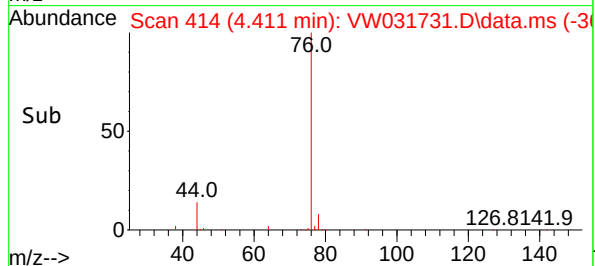
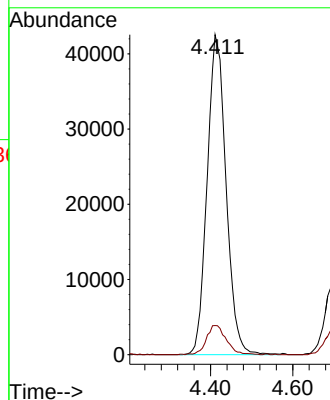
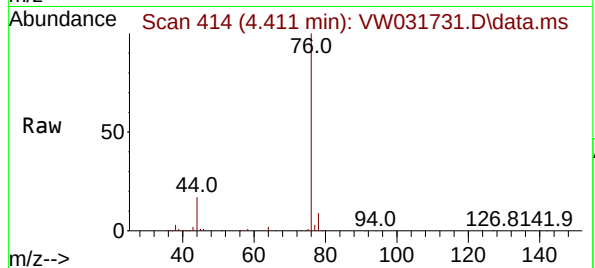
78 9.1 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#18

Methyl Acetate

Concen: 19.649 ug/l

RT: 4.703 min Scan# 462

Delta R.T. -0.006 min

Lab File: VW031731.D

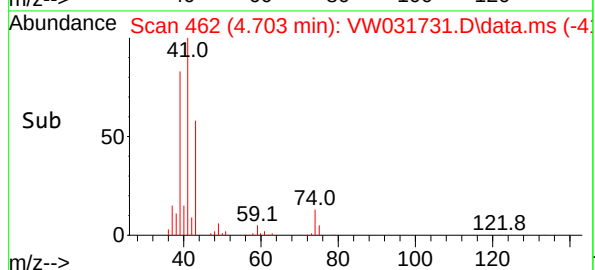
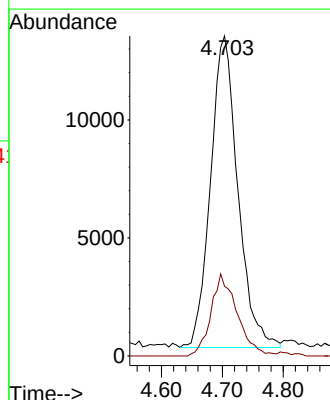
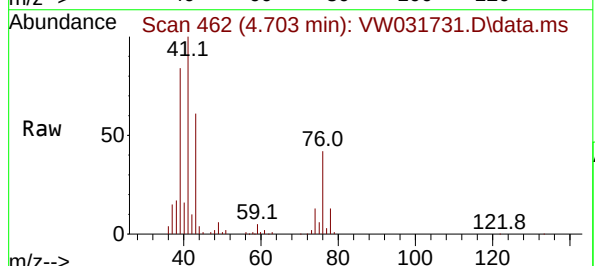
Acq: 30 Jun 2025 10:58

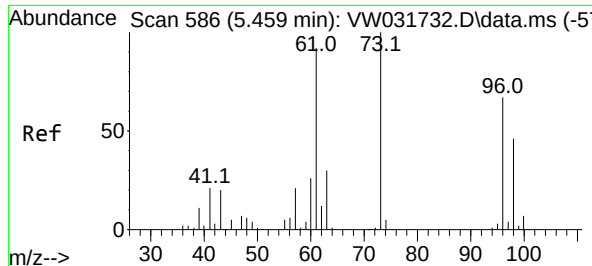
Tgt Ion: 43 Resp: 41106

Ion Ratio Lower Upper

43 100

74 25.2 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 20.535 ug/l

RT: 5.459 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 8570

Ion Ratio Lower Upper

73 100

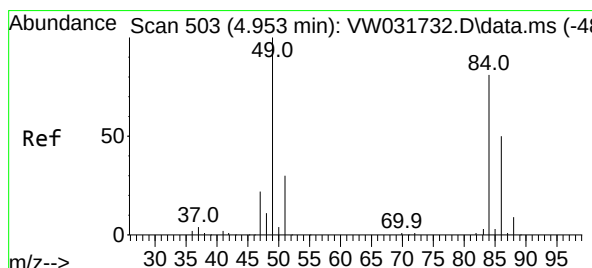
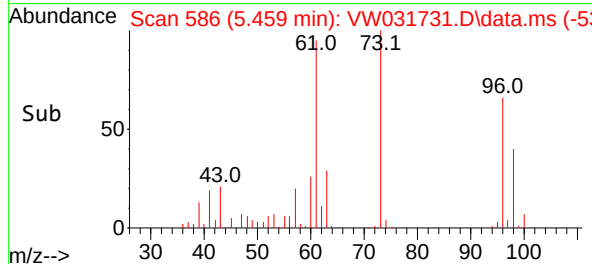
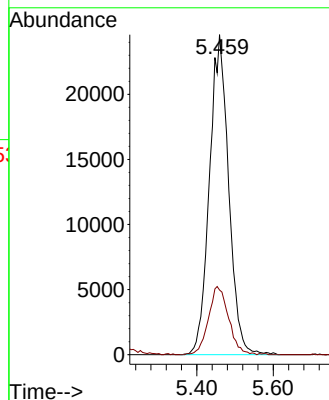
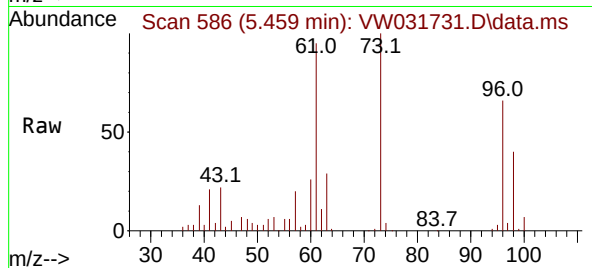
57 20.2 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 22.889 ug/l

RT: 4.947 min Scan# 502

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 84 Resp: 74694

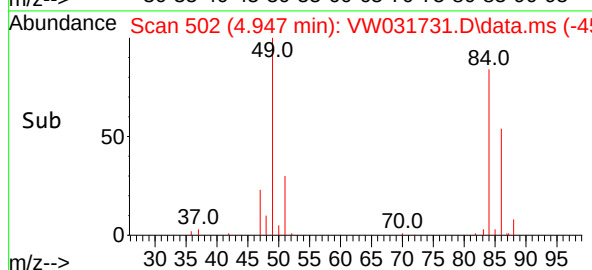
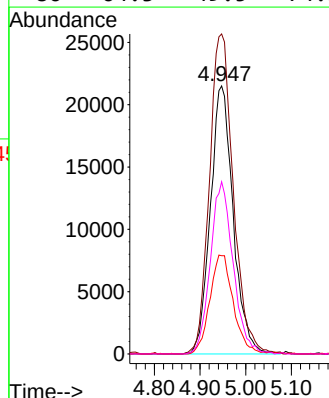
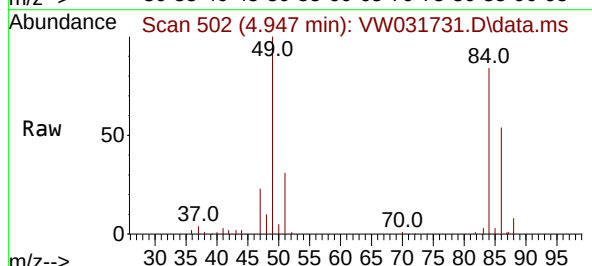
Ion Ratio Lower Upper

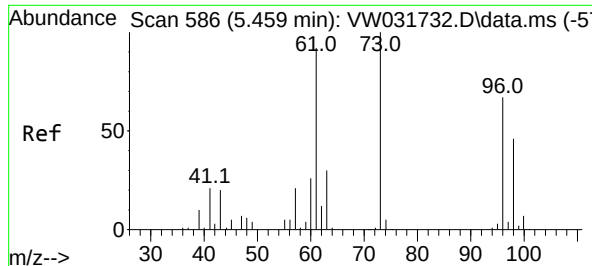
84 100

49 119.4 98.2 147.4

51 36.6 29.8 44.8

86 64.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.078 ug/l

RT: 5.453 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 5507

Ion Ratio Lower Upper

96 100

61 139.3 109.8 164.6

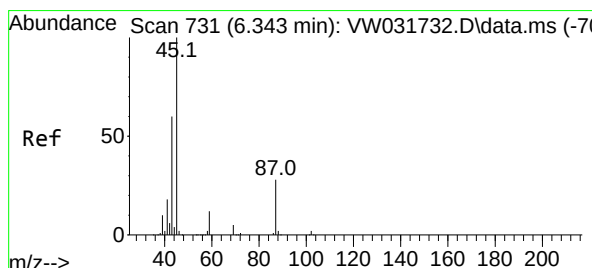
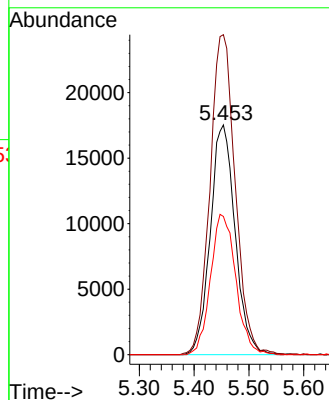
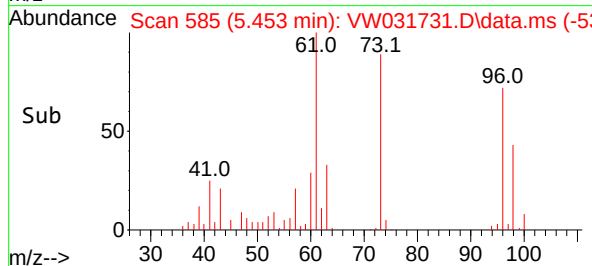
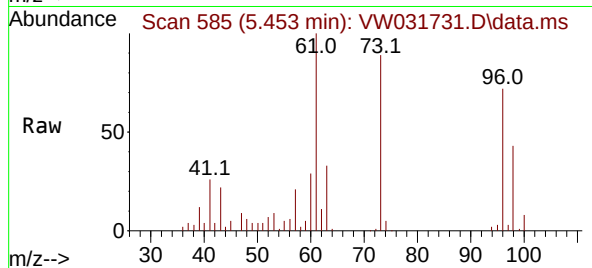
98 60.2 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 20.997 ug/l

RT: 6.337 min Scan# 730

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 45 Resp: 154496

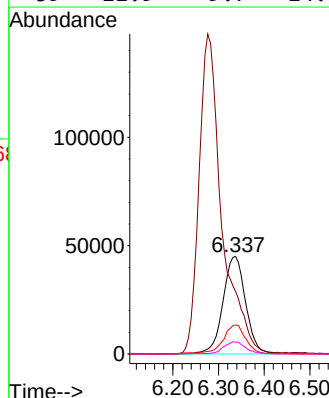
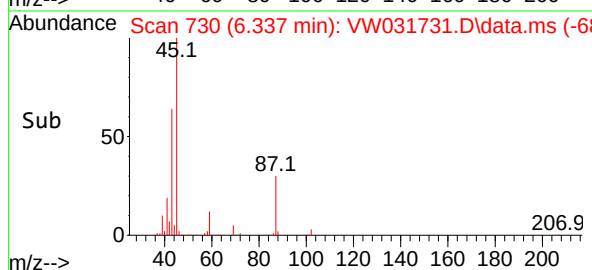
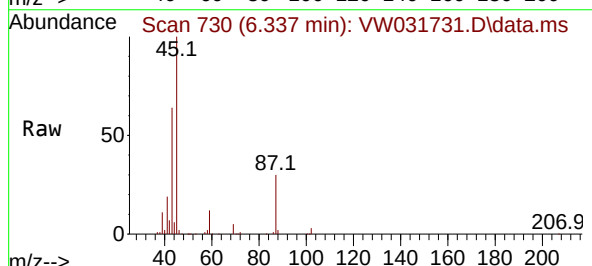
Ion Ratio Lower Upper

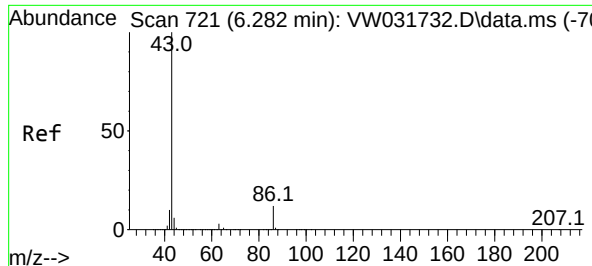
45 100

43 63.5 48.3 72.5

87 29.5 22.6 34.0

59 11.9 9.7 14.5





#23

Vinyl Acetate

Concen: 101.822 ug/l

RT: 6.276 min Scan# 71

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 51174

Ion Ratio Lower Upper

43

100

86

11.3

9.2

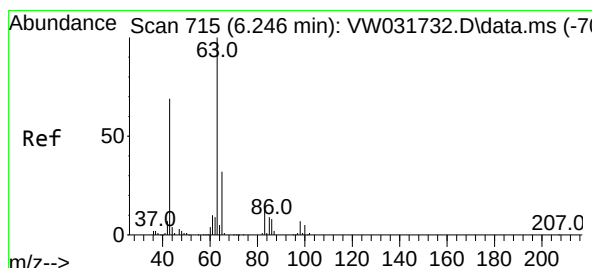
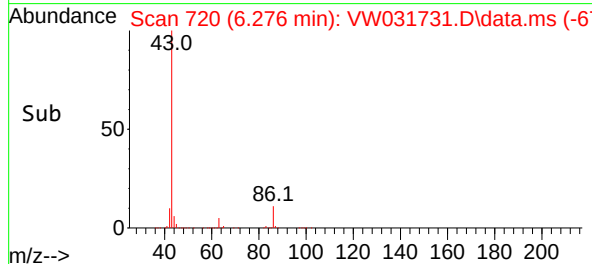
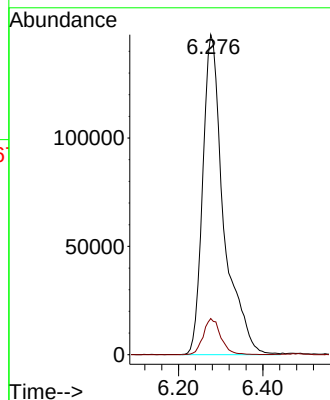
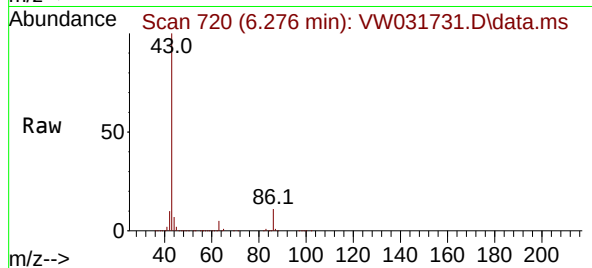
13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 21.090 ug/l

RT: 6.234 min Scan# 713

Delta R.T. -0.012 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 100608

Ion Ratio Lower Upper

63

100

98

7.4

3.5

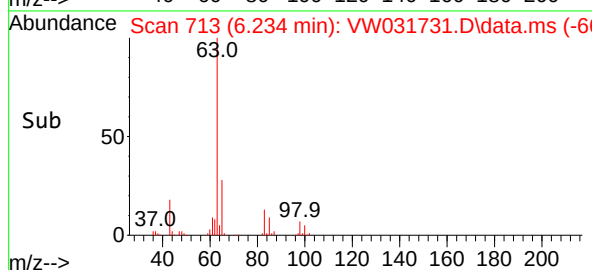
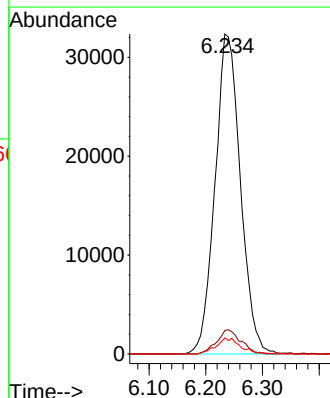
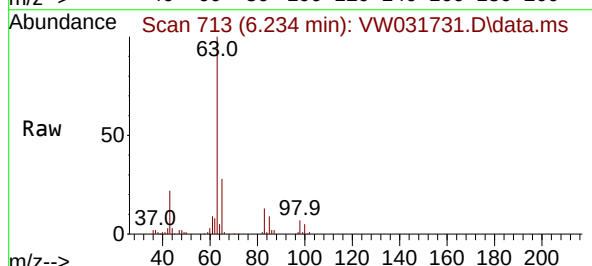
10.6

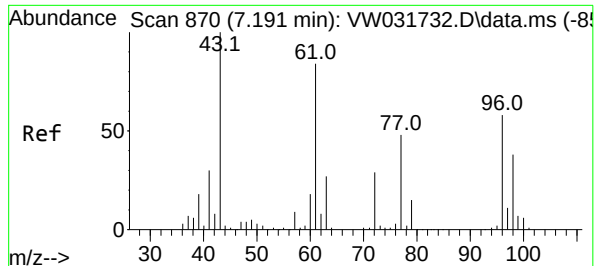
100

5.0

2.5

7.5





#25

2-Butanone

Concen: 95.657 ug/l

RT: 7.191 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9109

Ion Ratio Lower Upper

43 100

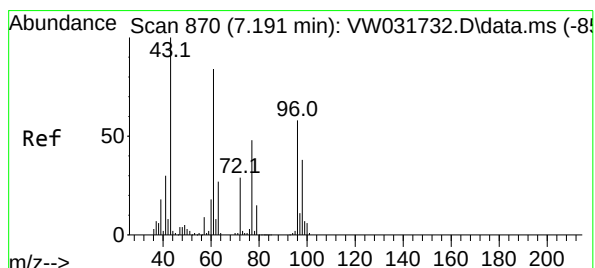
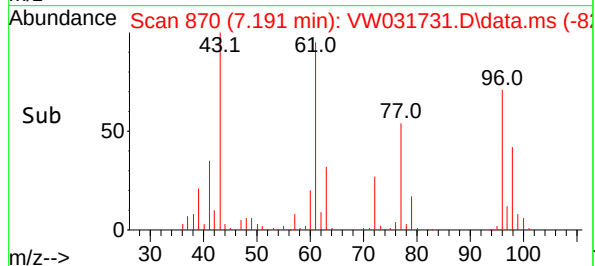
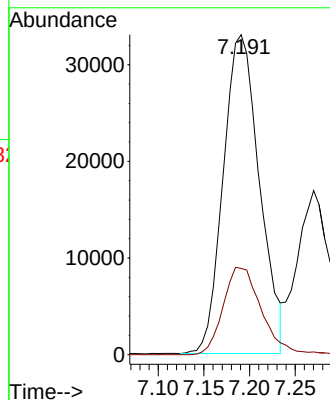
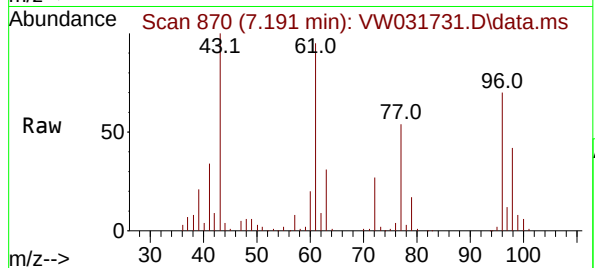
72 27.1 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#26

2,2-Dichloropropane

Concen: 20.695 ug/l

RT: 7.179 min Scan# 868

Delta R.T. -0.012 min

Lab File: VW031731.D

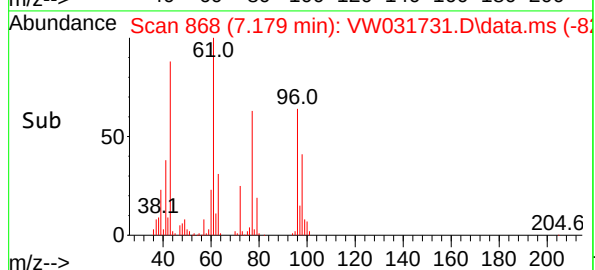
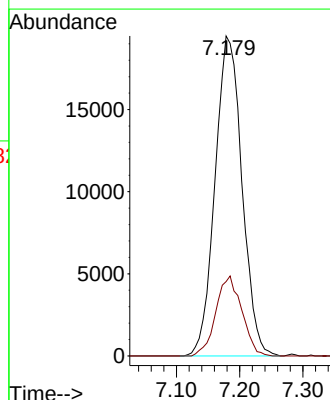
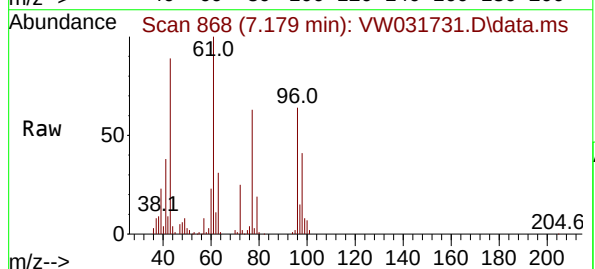
Acq: 30 Jun 2025 10:58

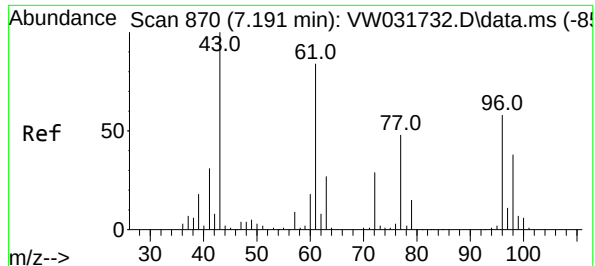
Tgt Ion: 77 Resp: 57600

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 20.725 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

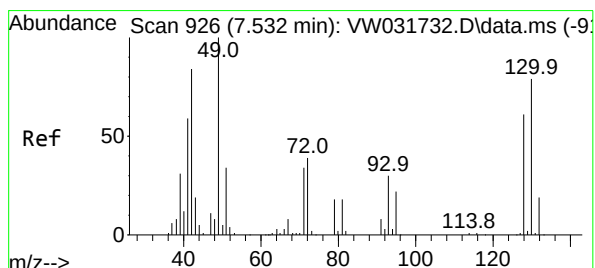
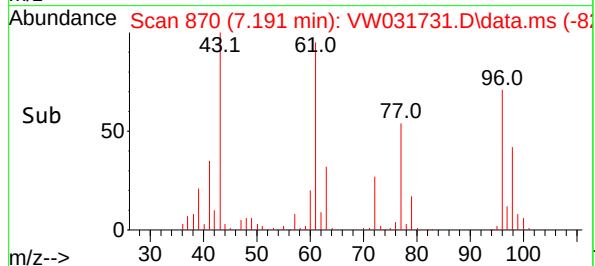
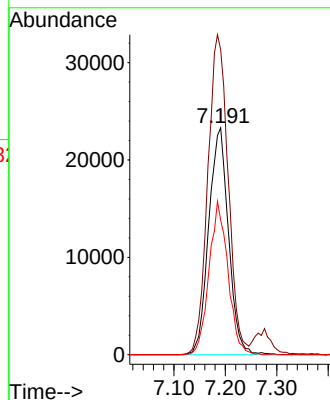
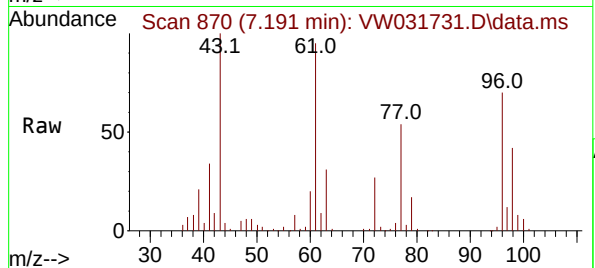
ClientSampleId :

VSTDIC020

Tgt Ion: 96	Resp: 6224
Ion Ratio	Lower Upper
96 100	
61 145.1	0.0 286.8
98 64.4	0.0 130.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 20.988 ug/l

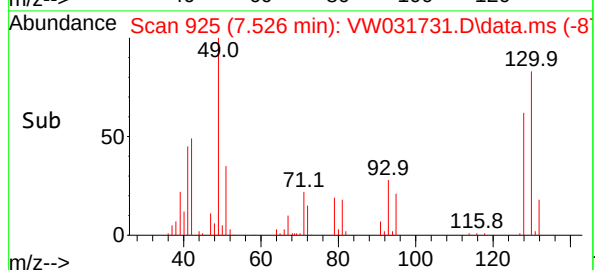
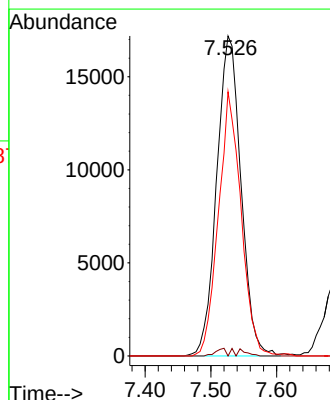
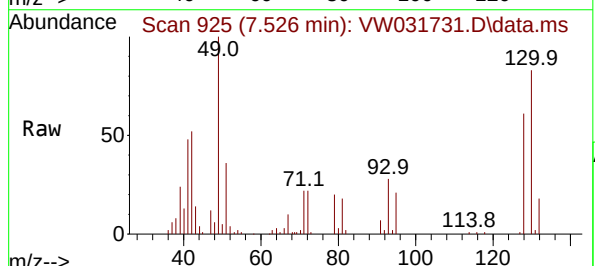
RT: 7.526 min Scan# 925

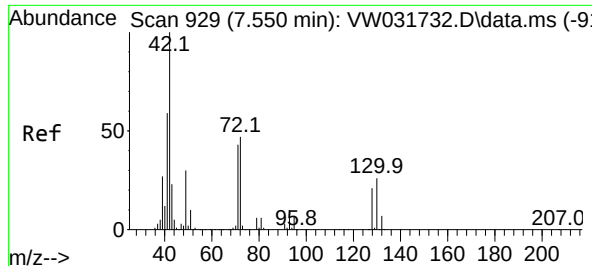
Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 49	Resp: 44182
Ion Ratio	Lower Upper
49 100	
129 0.3	0.0 2.4
130 76.9	61.3 91.9





#29

Tetrahydrofuran

Concen: 98.896 ug/l

RT: 7.550 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 6449

Ion Ratio Lower Upper

42 100

72 45.2 36.8 55.2

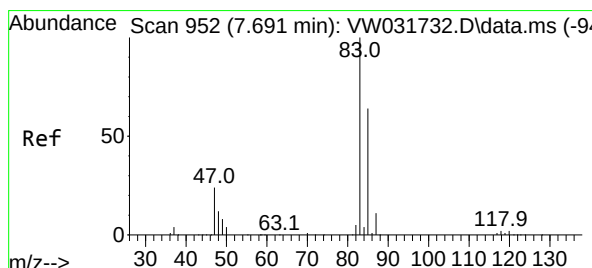
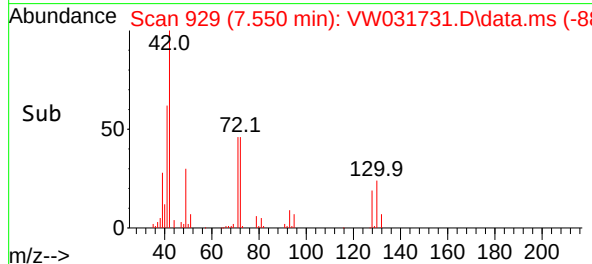
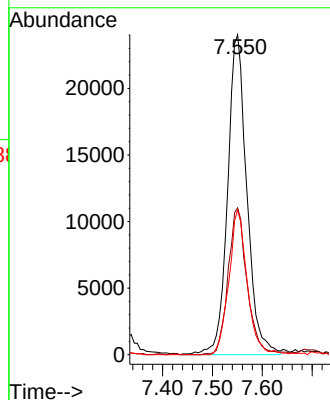
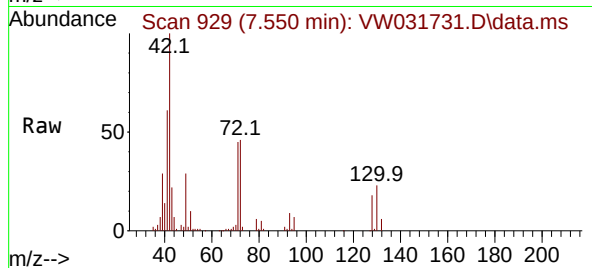
71 42.4 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 21.148 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031731.D

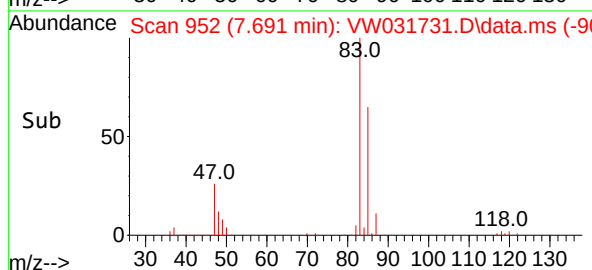
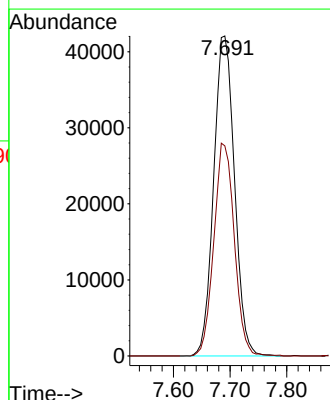
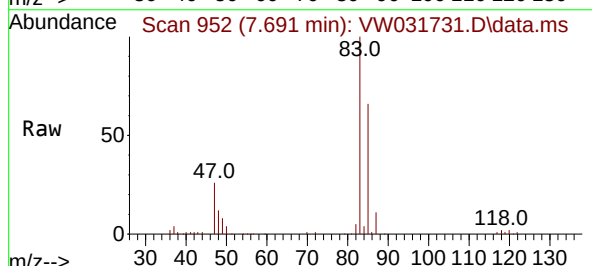
Acq: 30 Jun 2025 10:58

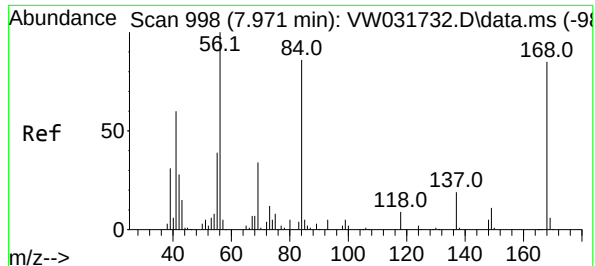
Tgt Ion: 83 Resp: 107197

Ion Ratio Lower Upper

83 100

85 65.7 51.4 77.0





#31

Cyclohexane

Concen: 20.213 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 8523

Ion Ratio Lower Upper

56 100

69 39.0 27.2 40.8

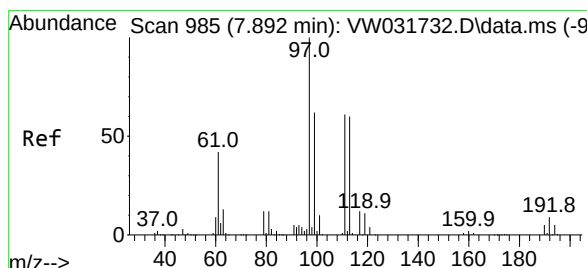
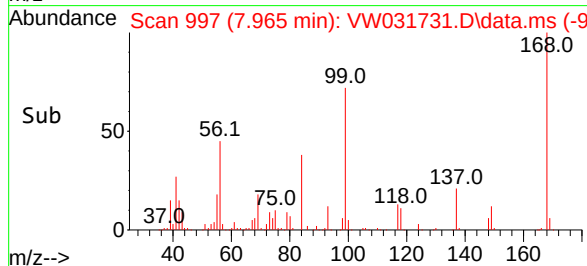
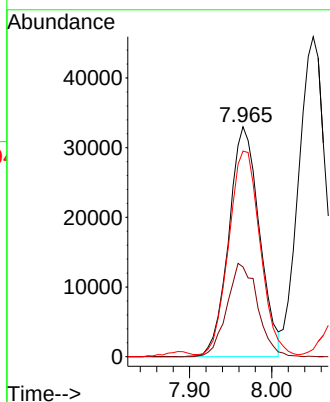
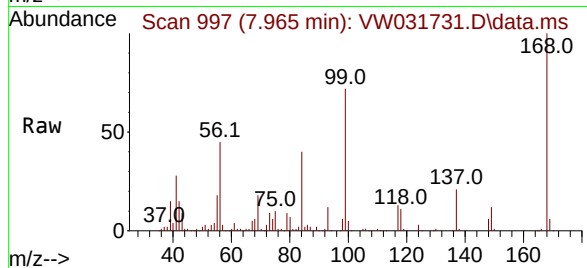
84 87.2 68.5 102.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#32

1,1,1-Trichloroethane

Concen: 20.509 ug/l

RT: 7.880 min Scan# 983

Delta R.T. -0.012 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

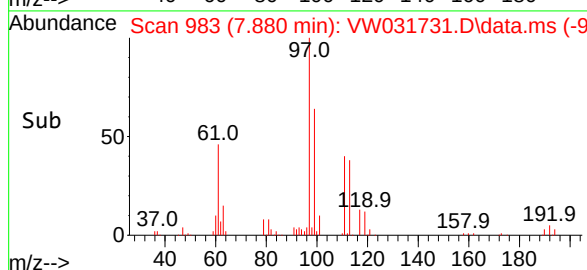
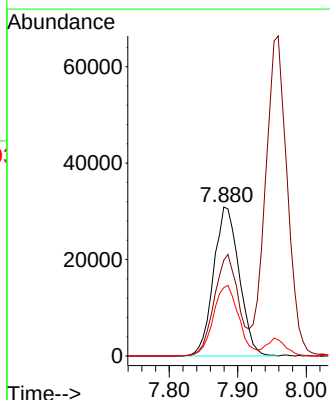
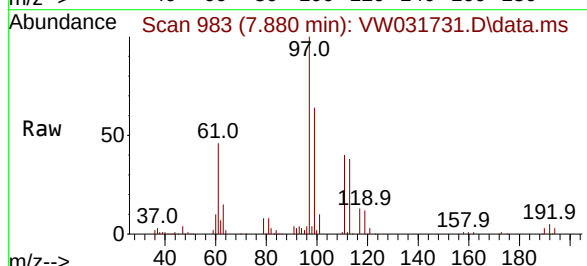
Tgt Ion: 97 Resp: 80117

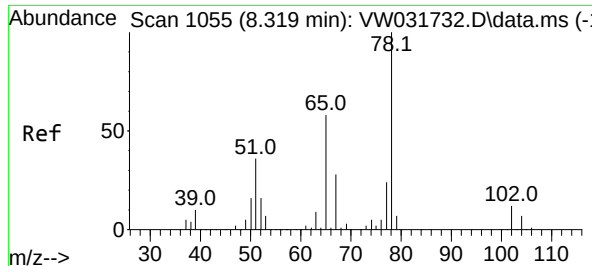
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

61 47.2 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 20.609 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 6103

Ion Ratio Lower Upper

65 100

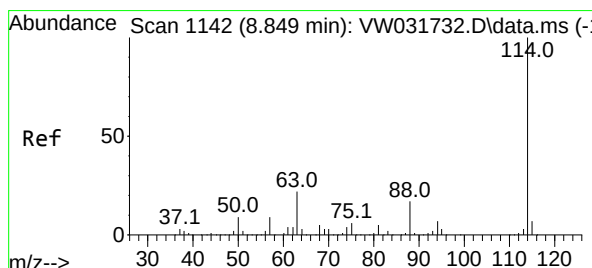
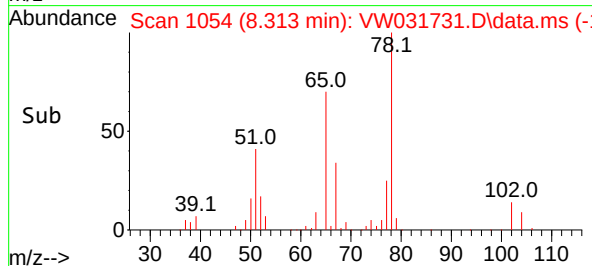
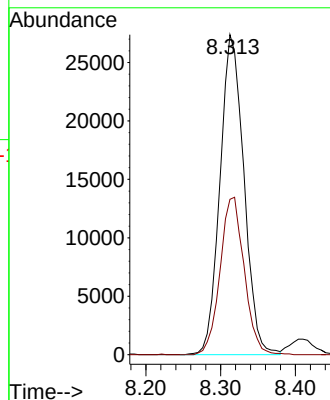
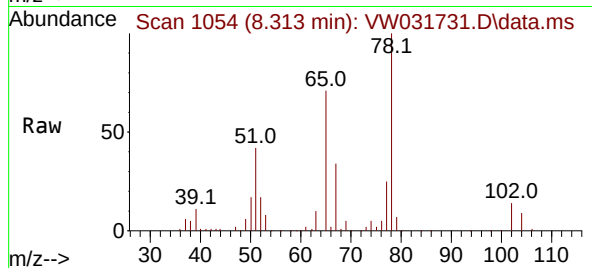
67 49.6 0.0 99.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

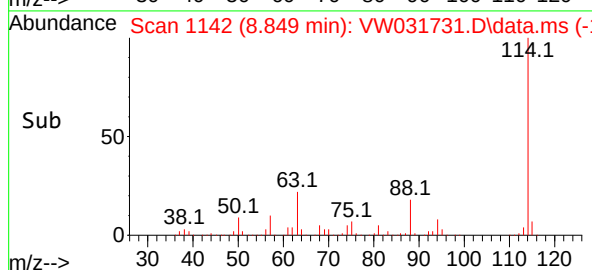
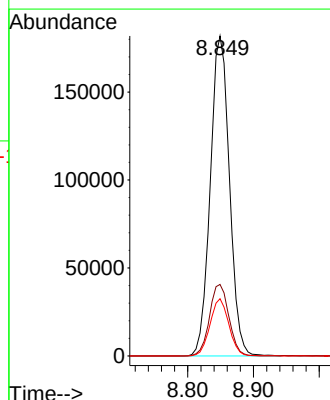
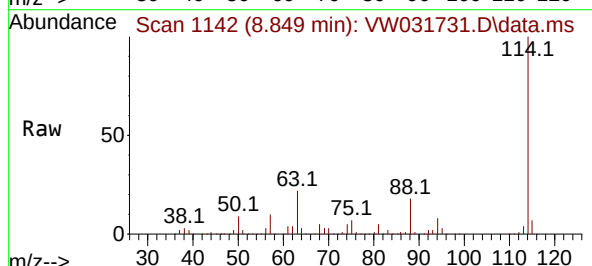
Tgt Ion:114 Resp: 368808

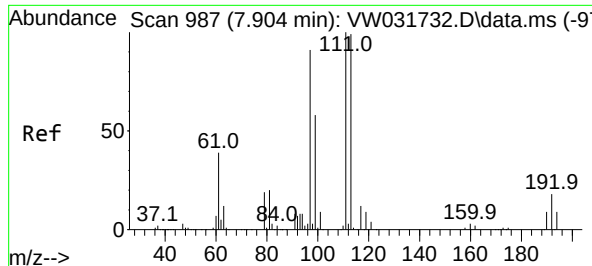
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.6

88 17.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 21.346 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:113 Resp: 51372

Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

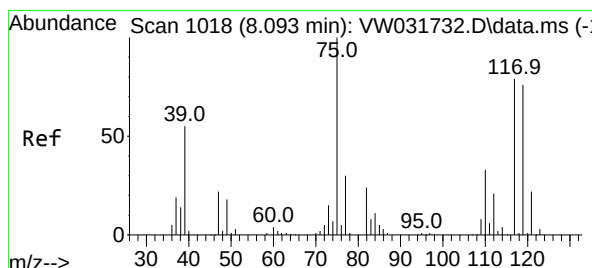
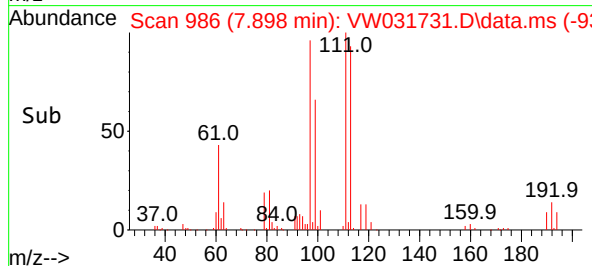
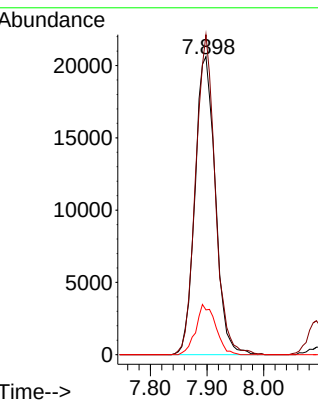
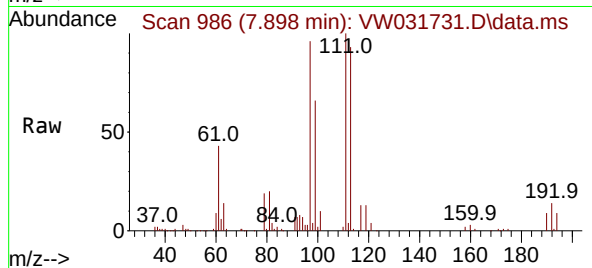
192 16.5 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 21.061 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

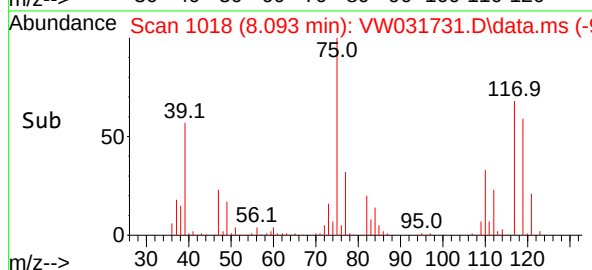
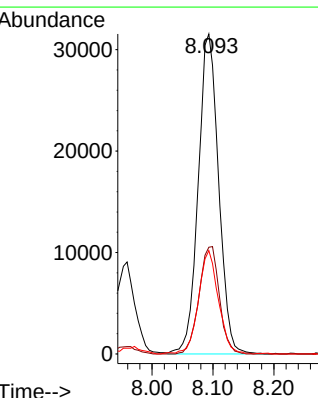
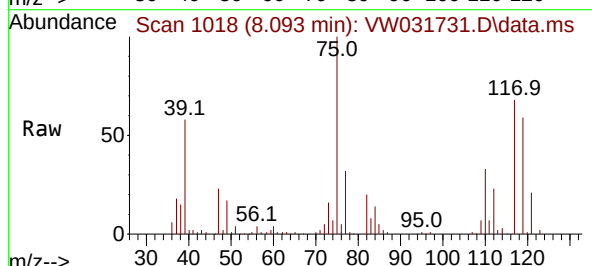
Tgt Ion: 75 Resp: 73346

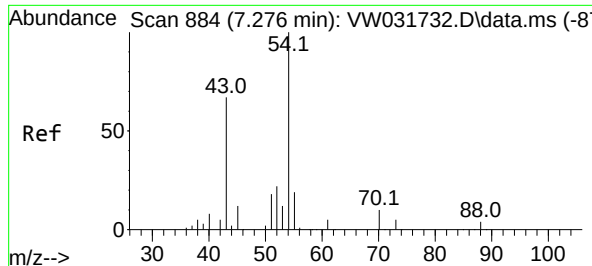
Ion Ratio Lower Upper

75 100

110 33.6 16.8 50.4

77 31.6 25.0 37.6





#37

Ethyl Acetate

Concen: 20.512 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

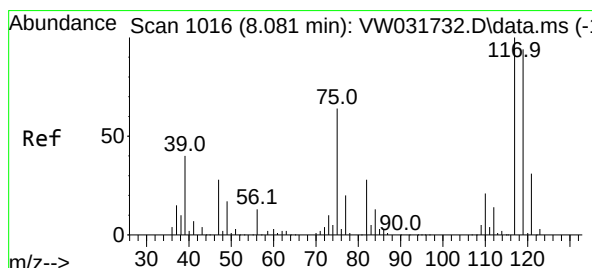
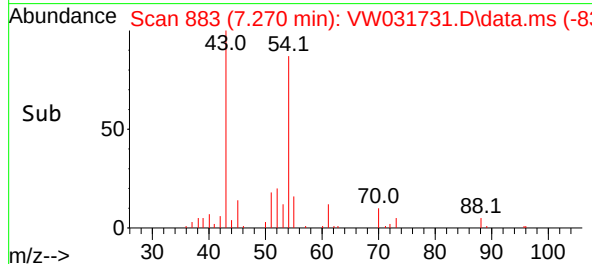
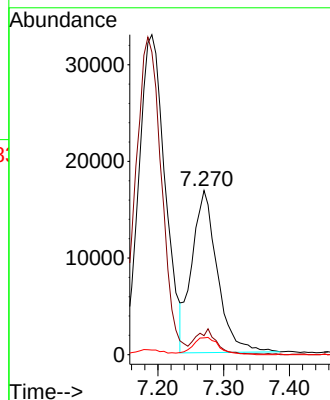
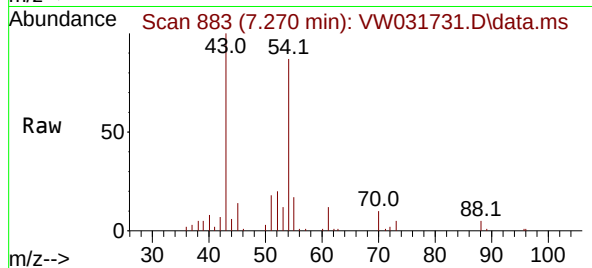
ClientSampleId :

VSTDICC020

Tgt Ion: 43	Resp: 45062
Ion Ratio	Lower Upper
43 100	
61 12.4	10.9 16.3
70 10.9	9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 20.706 ug/l

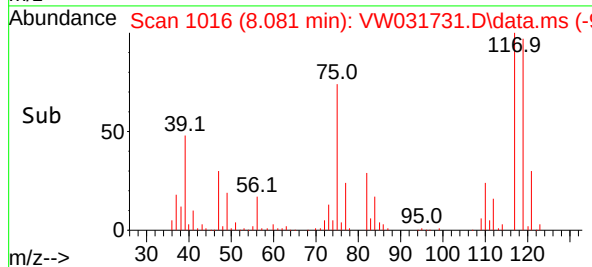
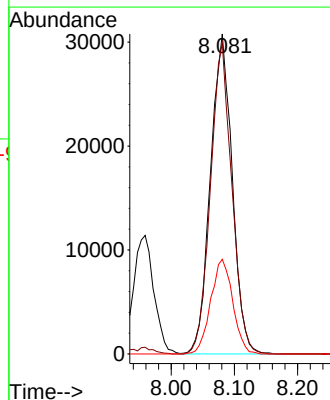
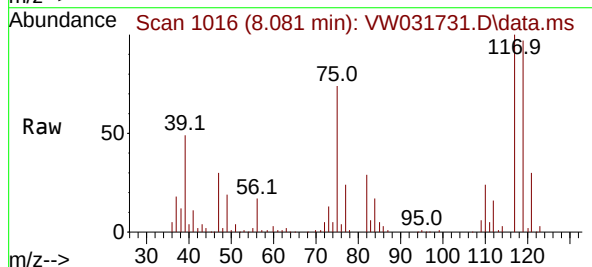
RT: 8.081 min Scan# 1016

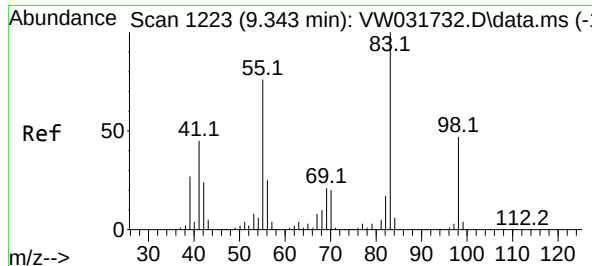
Delta R.T. -0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 117	Resp: 73482
Ion Ratio	Lower Upper
117 100	
119 97.2	75.0 112.6
121 29.6	24.6 37.0





#39

Methylcyclohexane

Concen: 20.560 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 8908

Ion Ratio Lower Upper

83 100

55 75.0 61.0 91.4

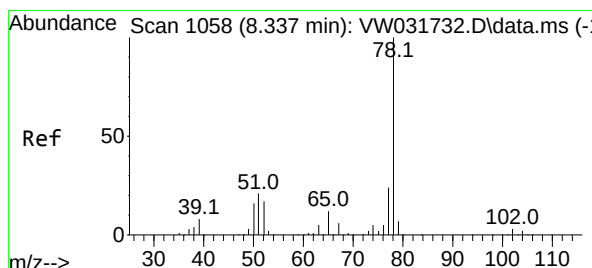
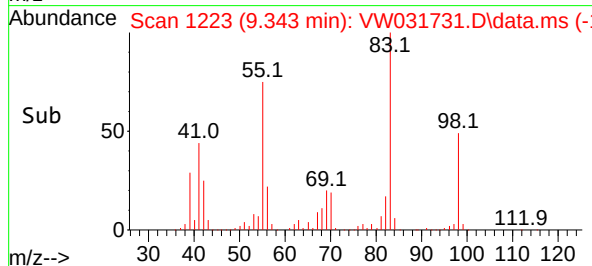
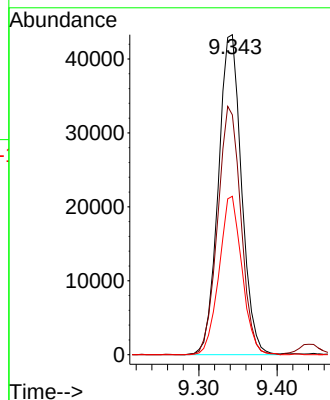
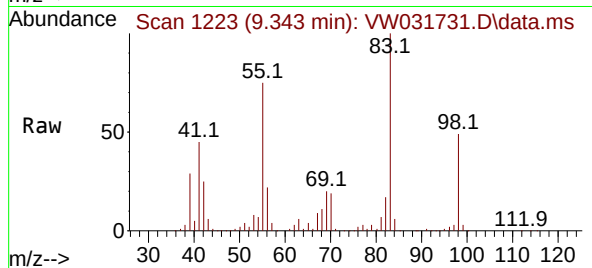
98 49.5 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 21.231 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031731.D

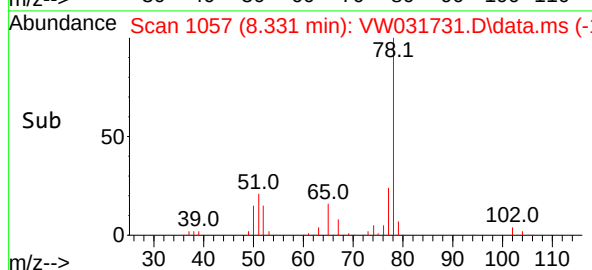
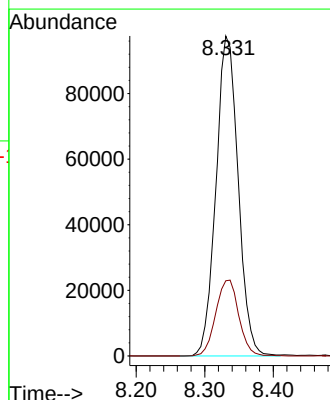
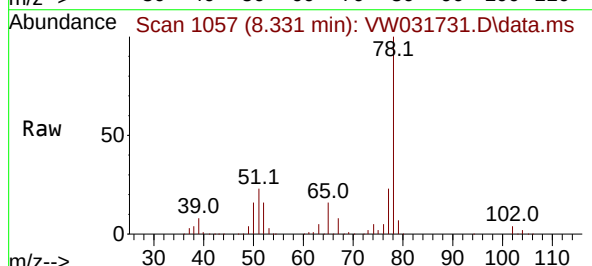
Acq: 30 Jun 2025 10:58

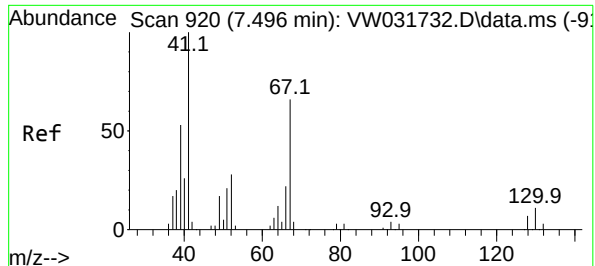
Tgt Ion: 78 Resp: 218756

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8





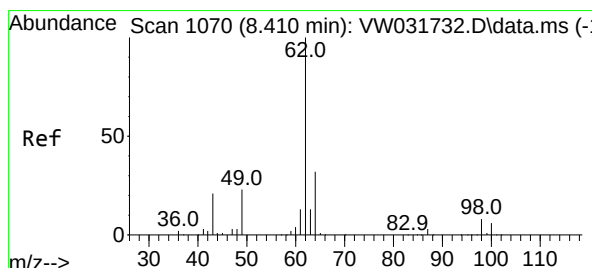
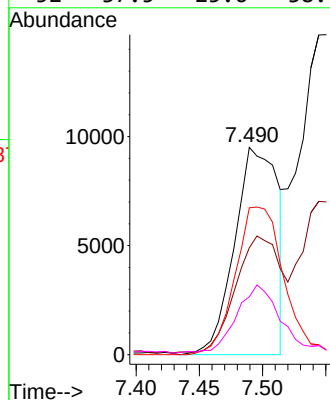
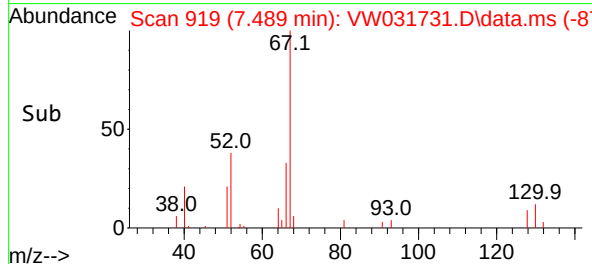
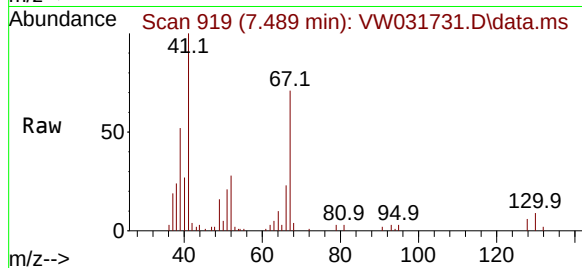
#41
Methacrylonitrile
Concen: 19.154 ug/l
RT: 7.489 min Scan# 919
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 2254
Ion Ratio Lower Upper
41 100
39 59.6 43.2 64.8
67 80.5 58.1 87.1
52 37.5 25.6 38.4

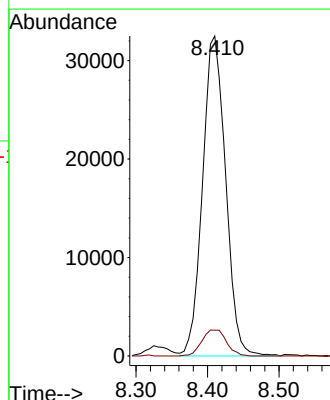
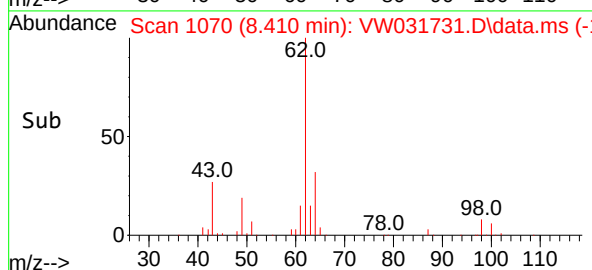
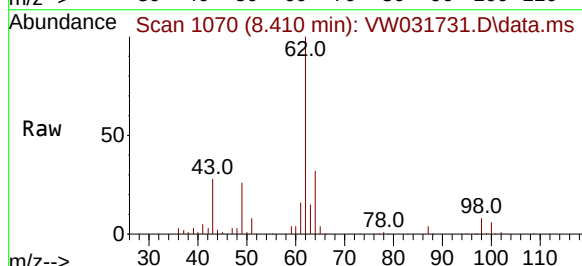
Manual Integrations
APPROVED

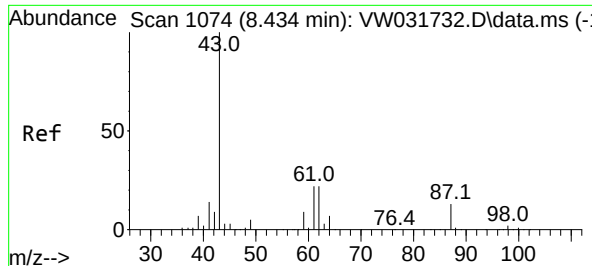
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 20.910 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 72797
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.2





#43

Isopropyl Acetate

Concen: 20.101 ug/l

RT: 8.434 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

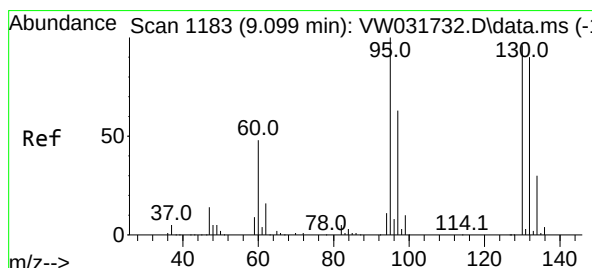
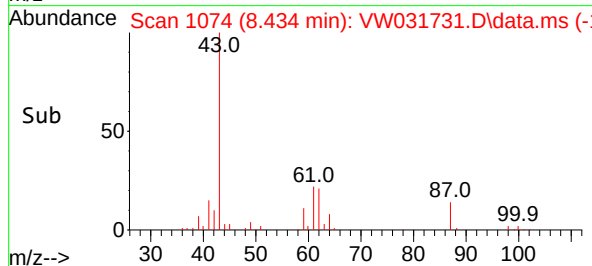
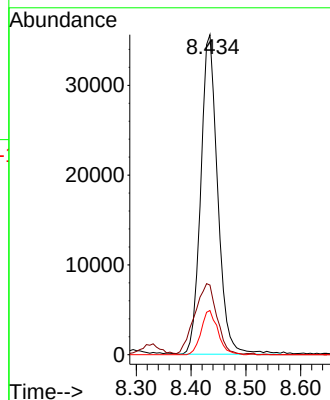
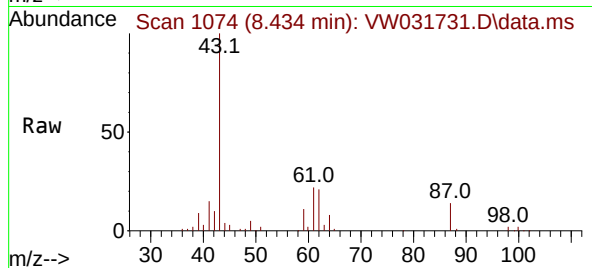
ClientSampleId :

VSTDIC020

Tgt Ion: 43	Resp: 76119
Ion Ratio	Lower Upper
43	100
61	28.9 23.1 34.7
87	13.7 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 21.074 ug/l

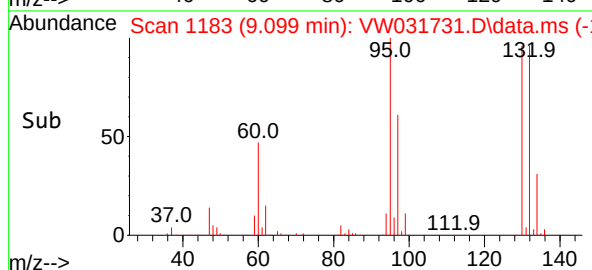
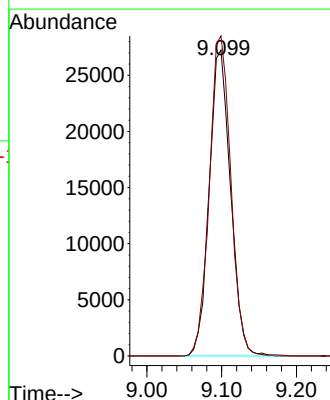
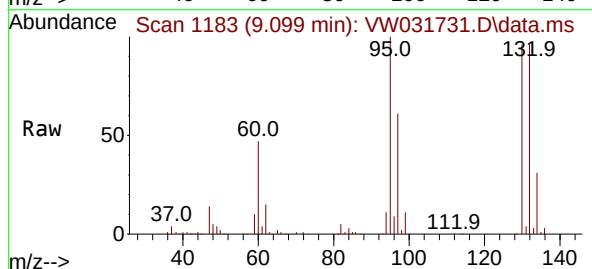
RT: 9.099 min Scan# 1183

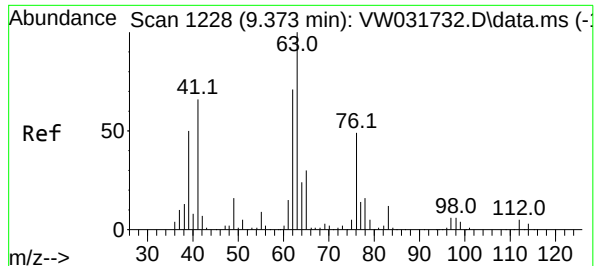
Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:130	Resp: 54194
Ion Ratio	Lower Upper
130	100
95	104.6 0.0 208.6





#45

1,2-Dichloropropane

Concen: 20.939 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 5214

Ion Ratio Lower Upper

63 100

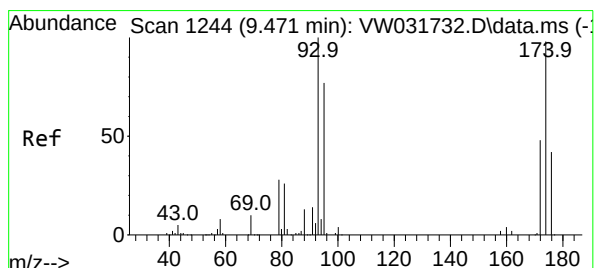
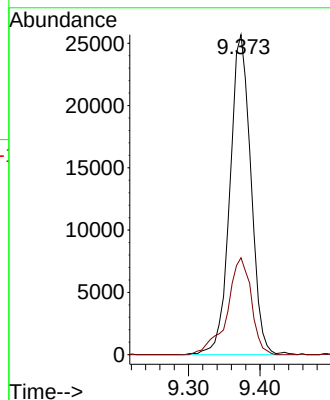
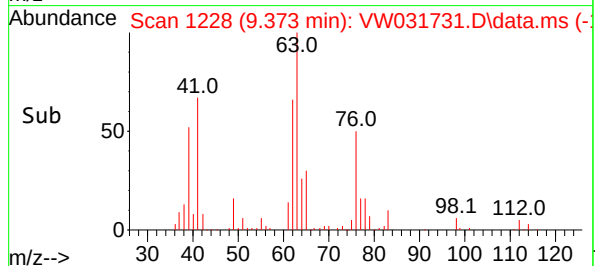
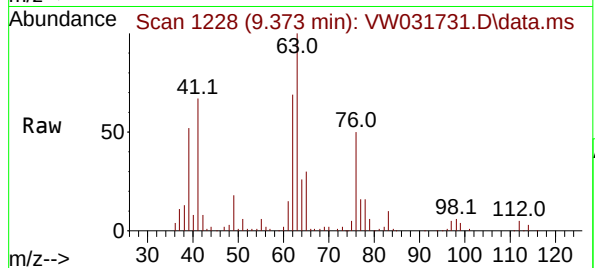
65 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 20.817 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

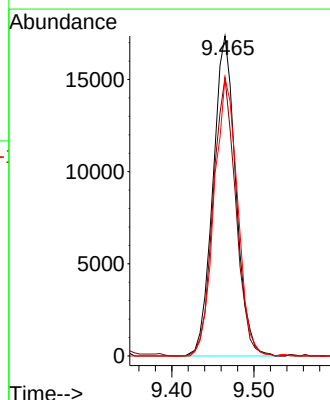
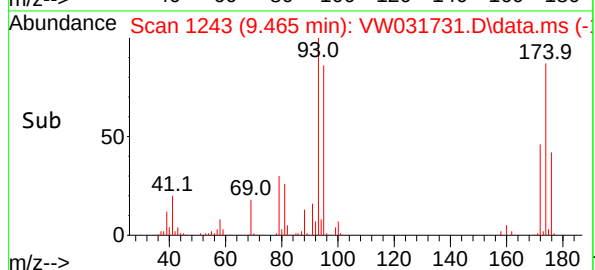
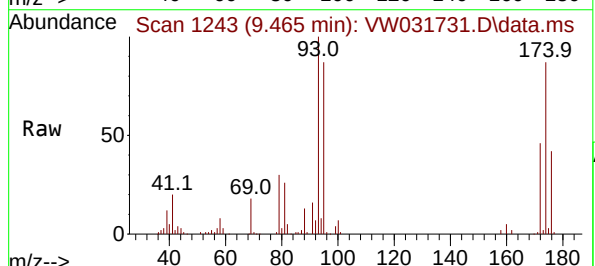
Tgt Ion: 93 Resp: 33467

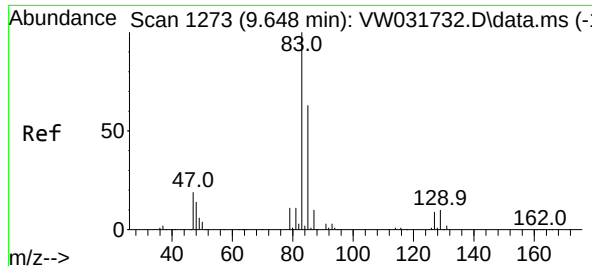
Ion Ratio Lower Upper

93 100

95 86.0 67.0 100.4

174 88.9 71.7 107.5





#47

Bromodichloromethane

Concen: 20.490 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

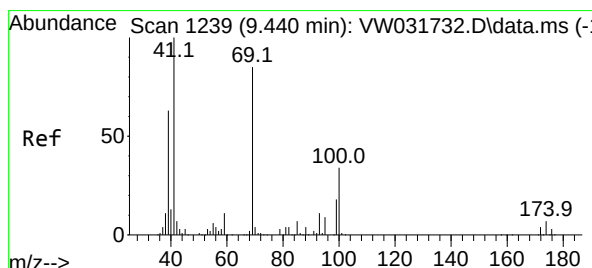
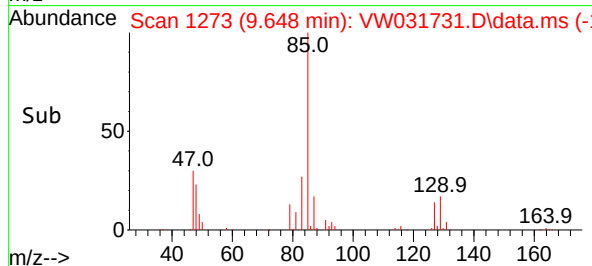
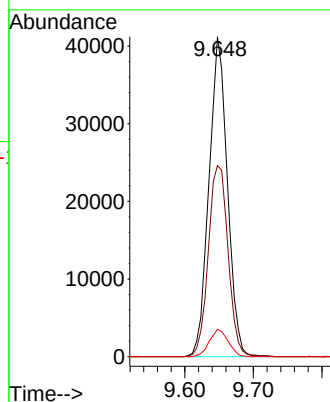
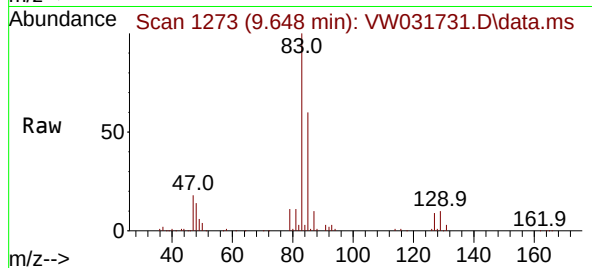
Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:	83	Resp:	77240
Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.8	76.2
127	8.5	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#48

Methyl methacrylate

Concen: 19.484 ug/l

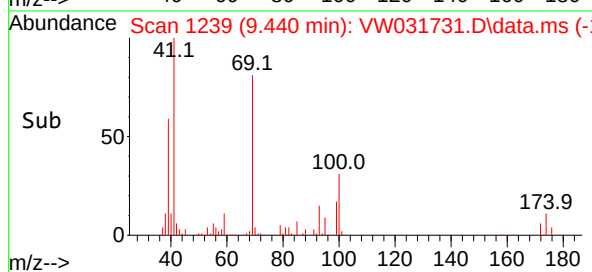
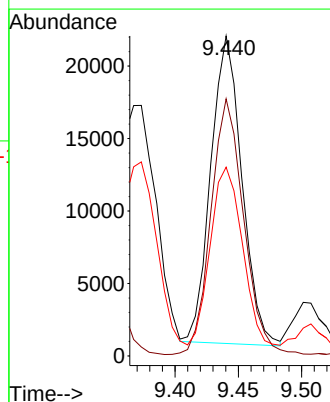
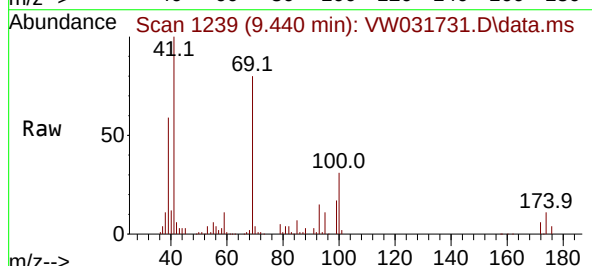
RT: 9.440 min Scan# 1239

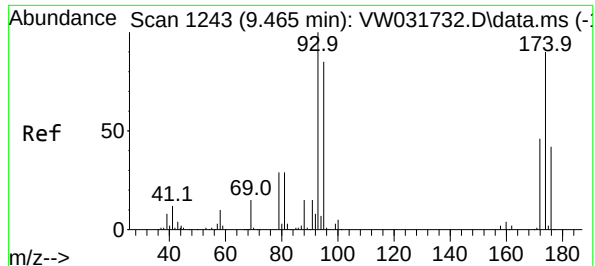
Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:	41	Resp:	36279
Ion	Ratio	Lower	Upper
41	100		
69	87.9	71.6	107.4
39	60.7	49.5	74.3





#49

1,4-Dioxane

Concen: 409.751 ug/l m

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 701

Ion Ratio Lower Upper

88 100

43 27.5 0.0 0.0

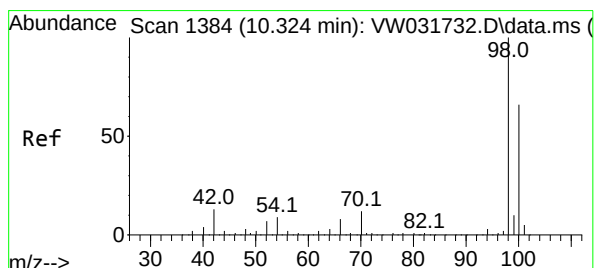
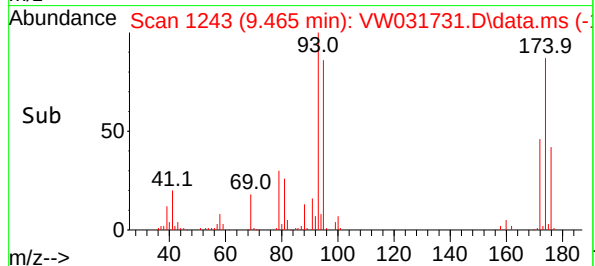
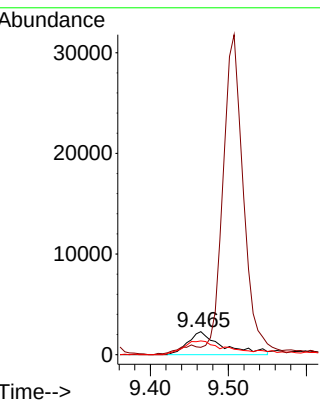
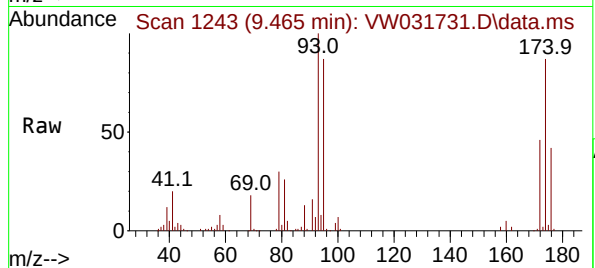
58 71.5 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 21.241 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031731.D

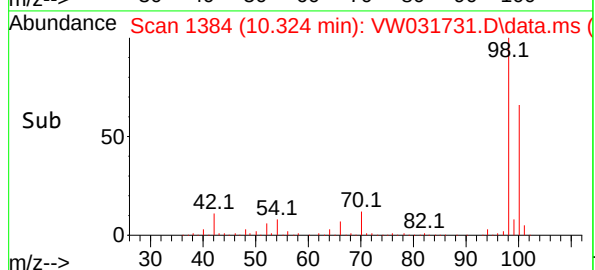
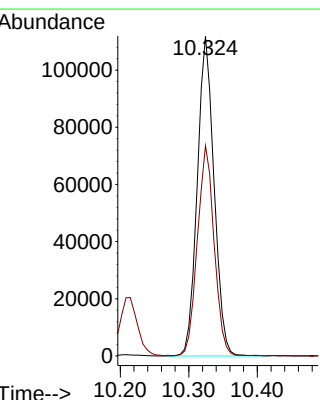
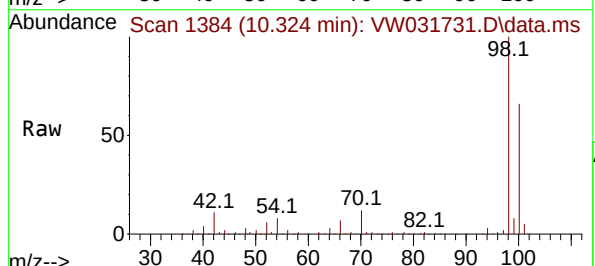
Acq: 30 Jun 2025 10:58

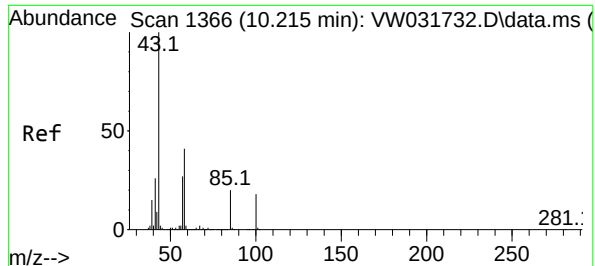
Tgt Ion: 98 Resp: 190235

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4





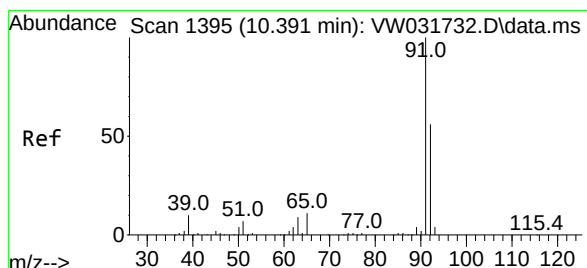
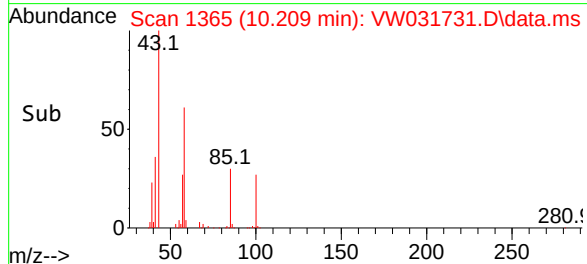
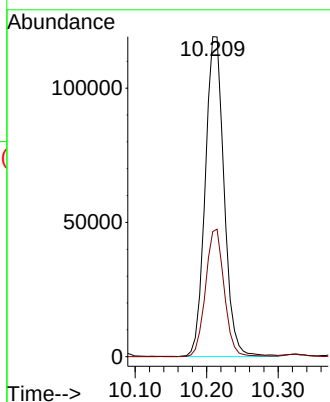
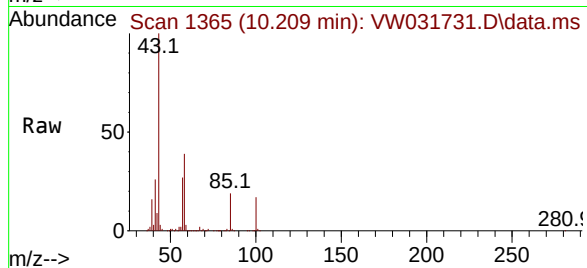
#51
4-Methyl-2-Pentanone
Concen: 100.078 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 21788
Ion Ratio Lower Upper
43 100
58 39.5 32.2 48.2

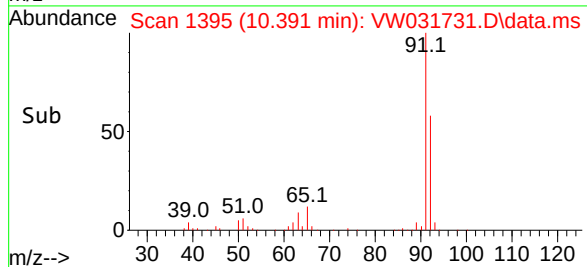
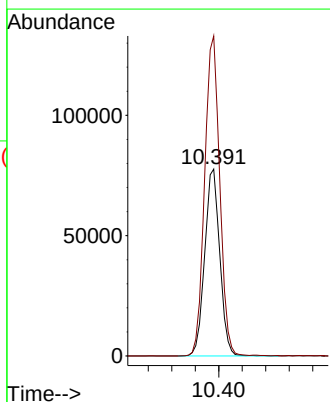
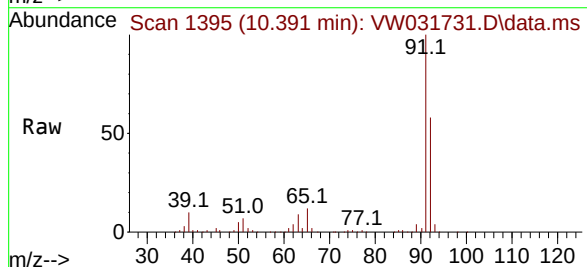
Manual Integrations
APPROVED

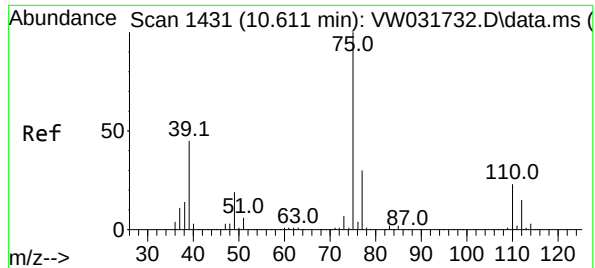
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 20.978 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 92 Resp: 138387
Ion Ratio Lower Upper
92 100
91 171.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.496 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 72498

Ion Ratio Lower Upper

75 100

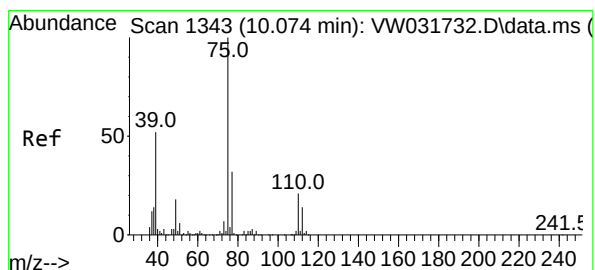
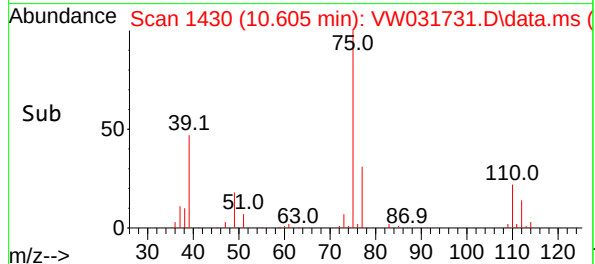
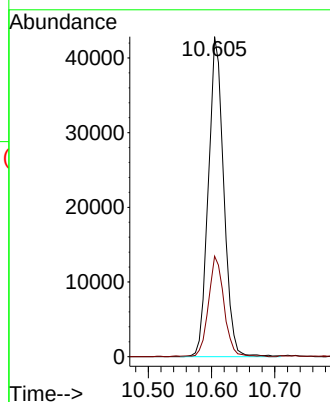
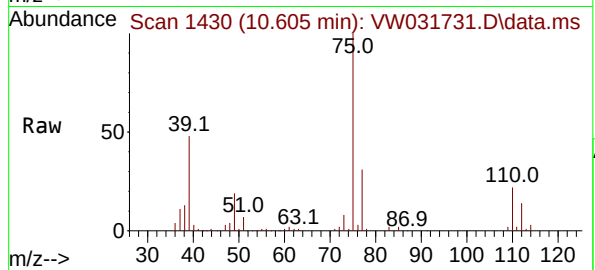
77 31.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#54

cis-1,3-Dichloropropene

Concen: 21.019 ug/l

RT: 10.074 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

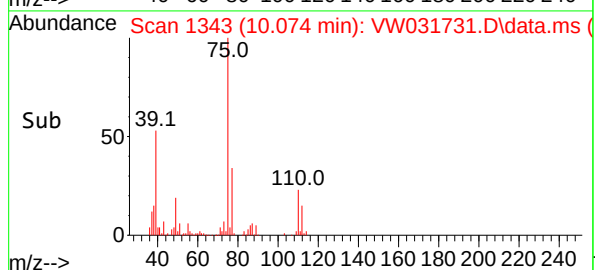
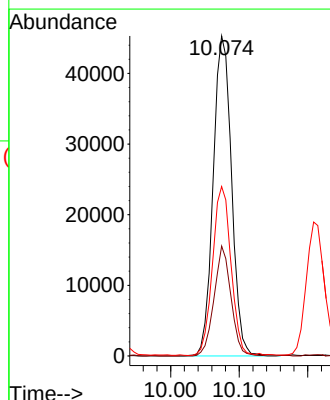
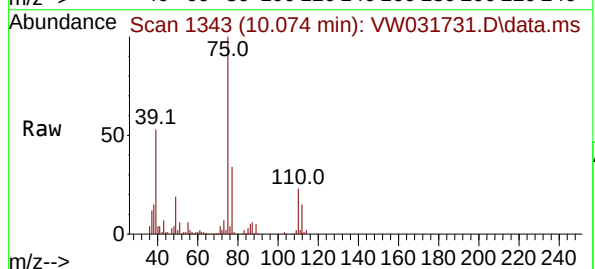
Tgt Ion: 75 Resp: 84285

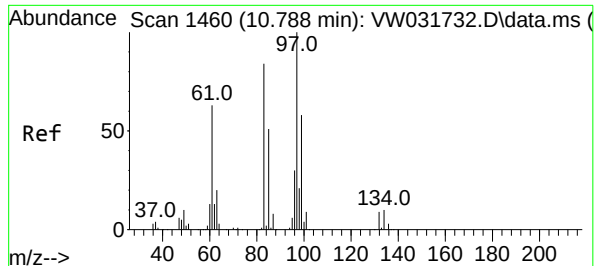
Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.2

39 52.7 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 20.957 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 44134

Ion Ratio Lower Upper

97 100

83 83.7 66.9 100.3

85 52.2 41.1 61.7

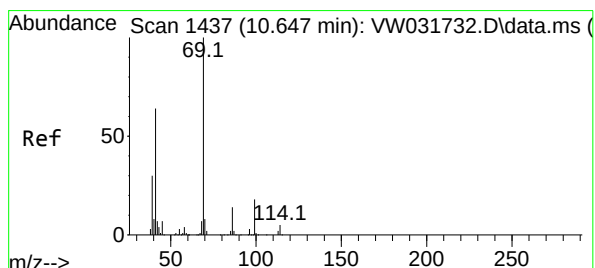
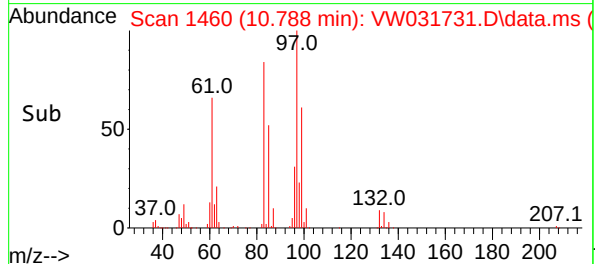
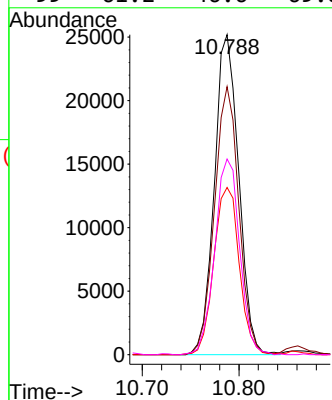
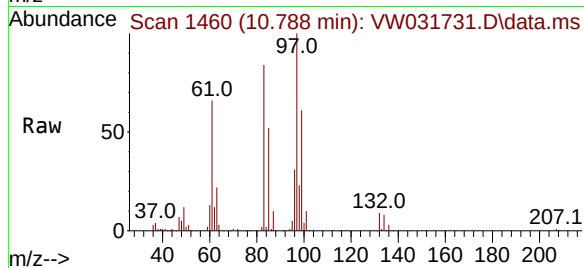
99 61.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 19.681 ug/l

RT: 10.647 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

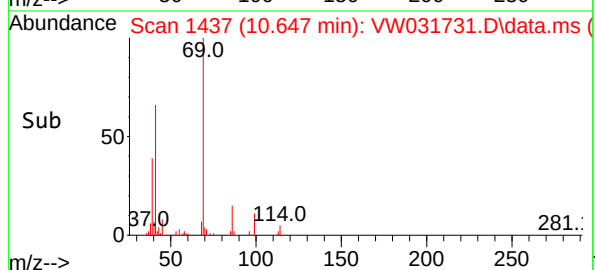
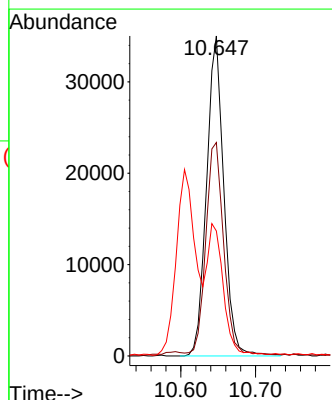
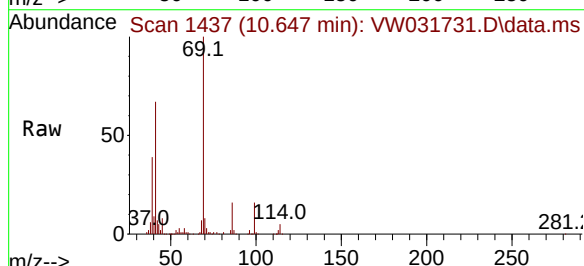
Tgt Ion: 69 Resp: 56229

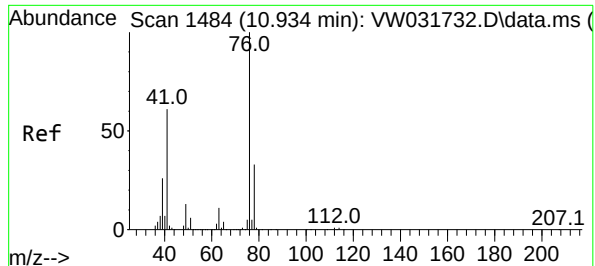
Ion Ratio Lower Upper

69 100

41 68.2 53.3 79.9

39 37.5 30.2 45.2





#57

1,3-Dichloropropane

Concen: 20.654 ug/l

RT: 10.928 min Scan# 1484

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 7636

Ion Ratio Lower Upper

76 100

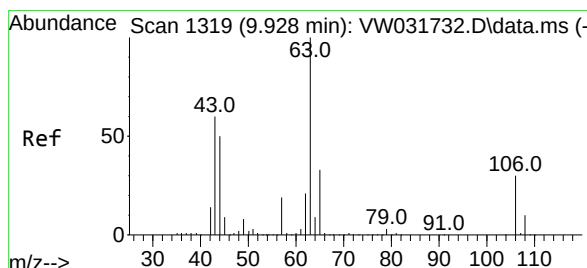
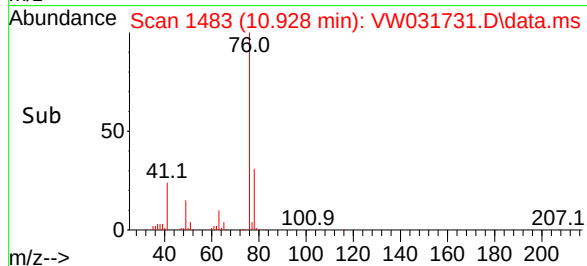
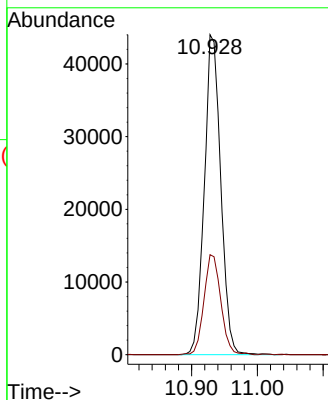
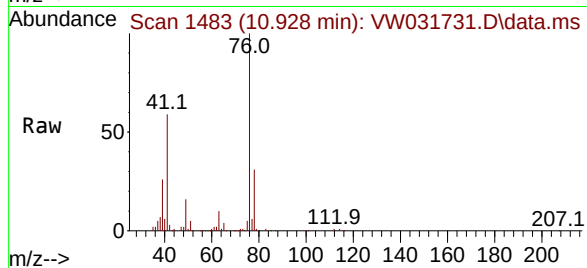
78 32.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 103.330 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031731.D

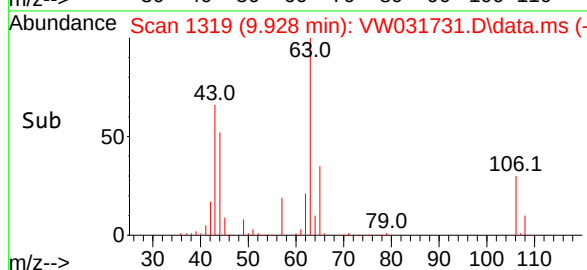
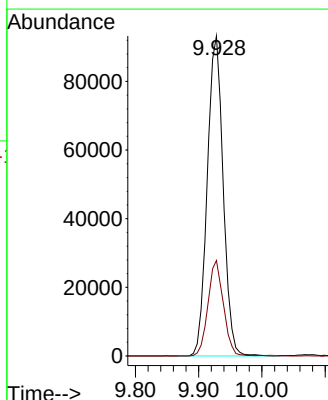
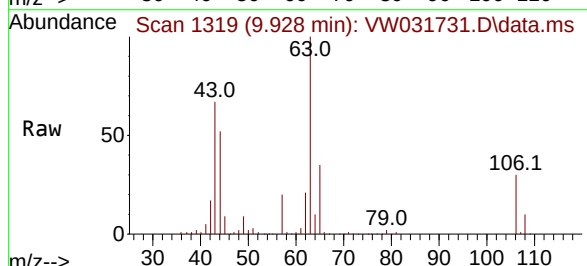
Acq: 30 Jun 2025 10:58

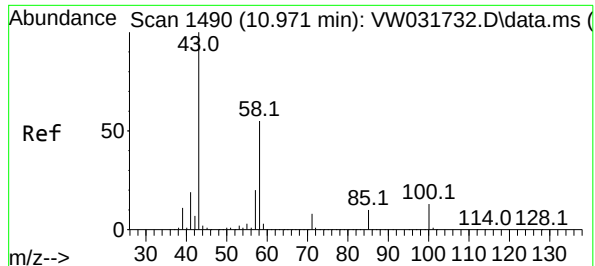
Tgt Ion: 63 Resp: 162561

Ion Ratio Lower Upper

63 100

106 29.0 24.1 36.1





#59

2-Hexanone

Concen: 97.256 ug/l

RT: 10.964 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 14348

Ion Ratio Lower Upper

43 100

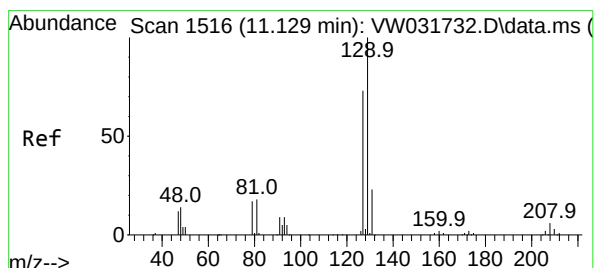
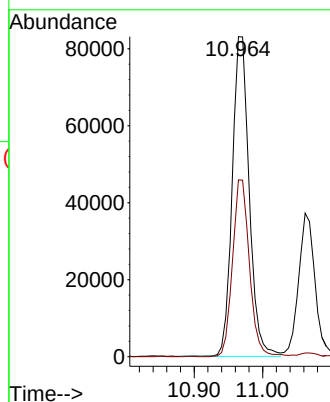
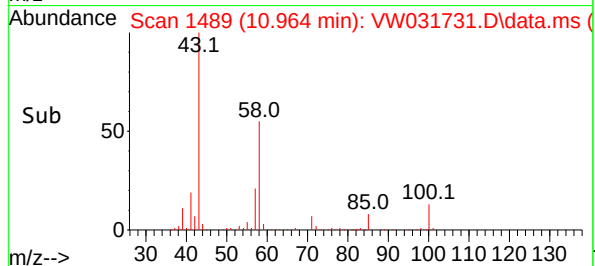
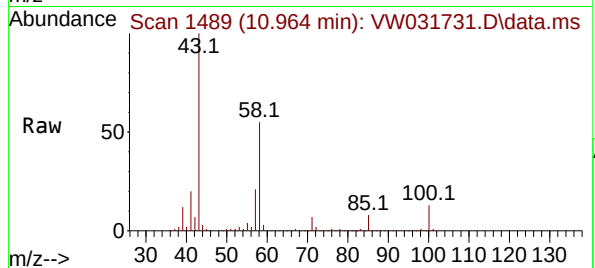
58 55.1 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 20.699 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031731.D

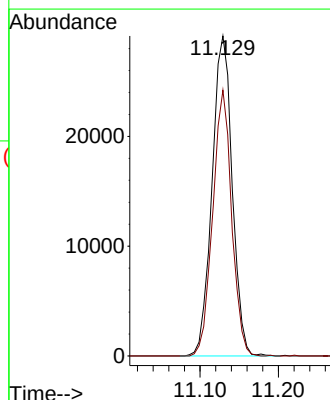
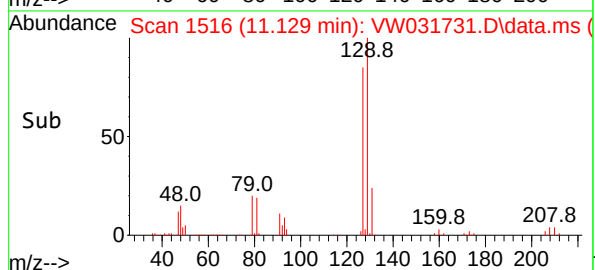
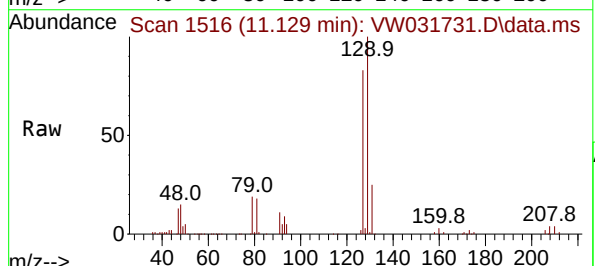
Acq: 30 Jun 2025 10:58

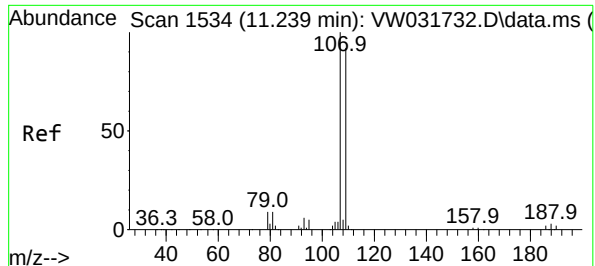
Tgt Ion:129 Resp: 52126

Ion Ratio Lower Upper

129 100

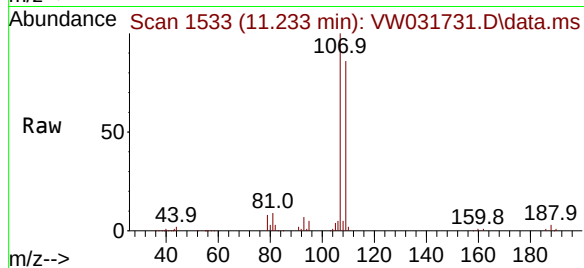
127 78.0 38.0 114.1





#61
1,2-Dibromoethane
Concen: 20.729 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

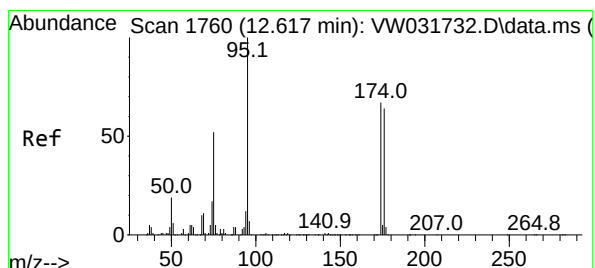
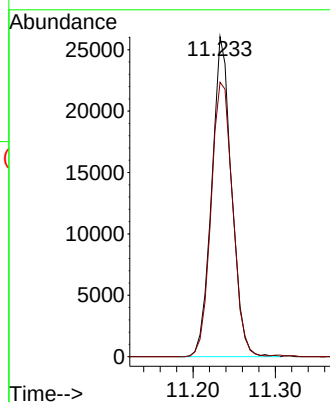
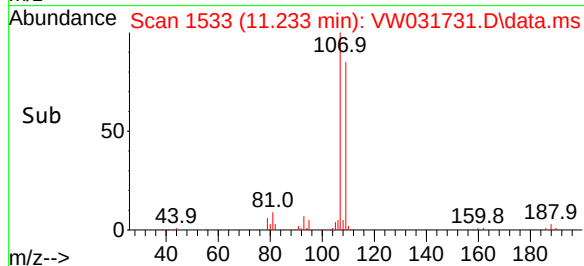
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:107 Resp: 4370
Ion Ratio Lower Upper
107 100
109 93.2 73.9 110.9

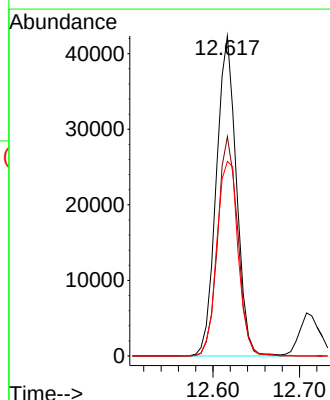
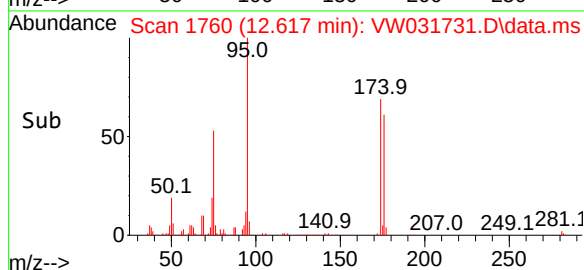
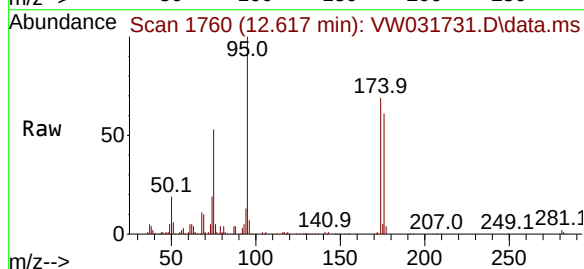
Manual Integrations
APPROVED

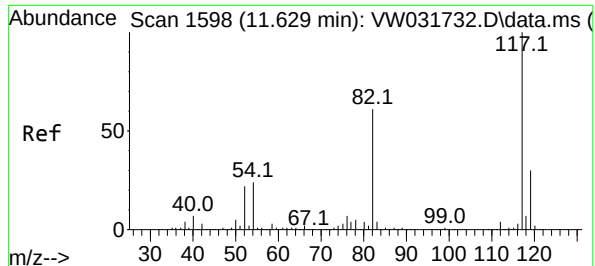
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 20.714 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 95 Resp: 68269
Ion Ratio Lower Upper
95 100
174 68.0 0.0 133.8
176 64.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

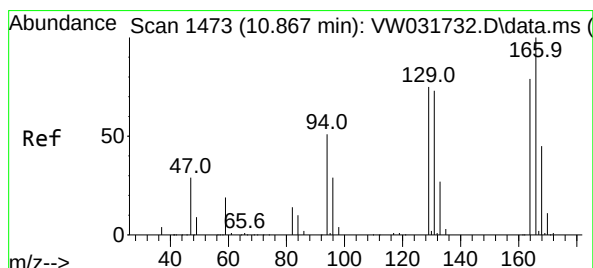
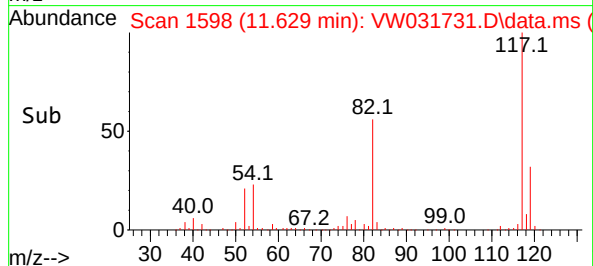
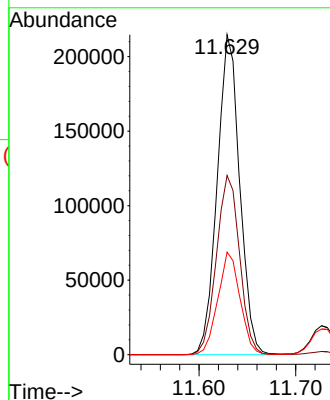
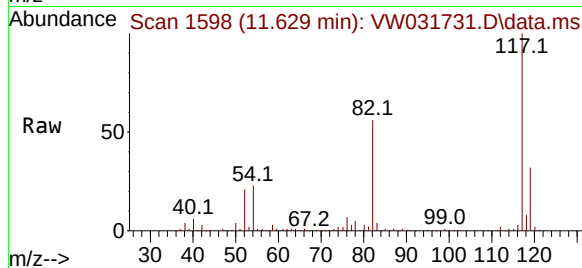
ClientSampleId :

VSTDICC020

Tgt Ion:117	Resp:	347024
Ion Ratio	Lower	Upper
117	100	
82	56.0	48.6 72.8
119	32.0	23.9 35.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 19.810 ug/l

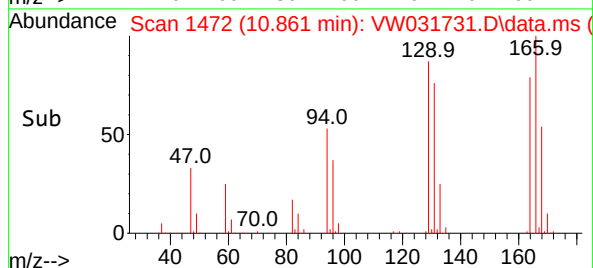
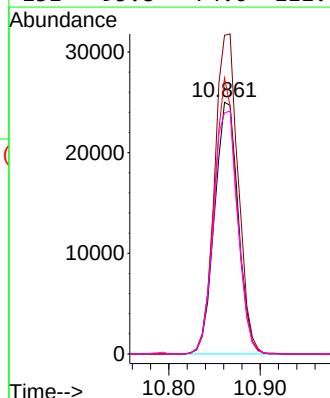
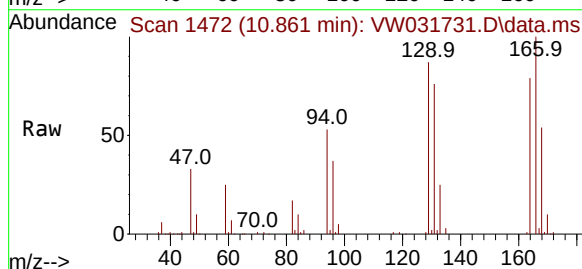
RT: 10.861 min Scan# 1472

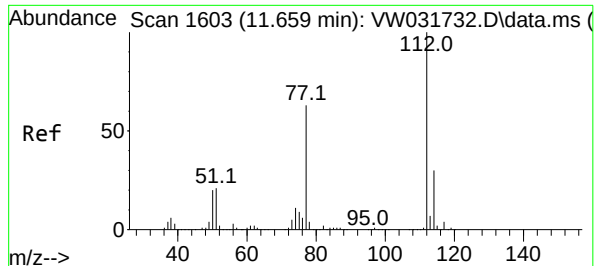
Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:164	Resp:	44967
Ion Ratio	Lower	Upper
164	100	
166	126.6	100.7 151.1
129	109.7	75.4 113.0
131	95.8	74.0 111.0





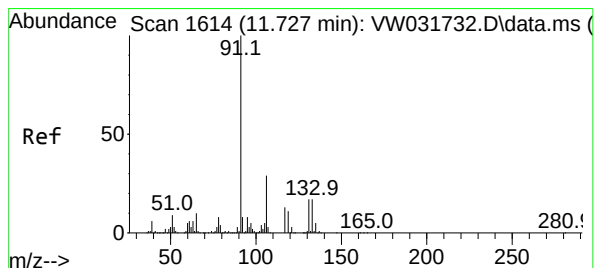
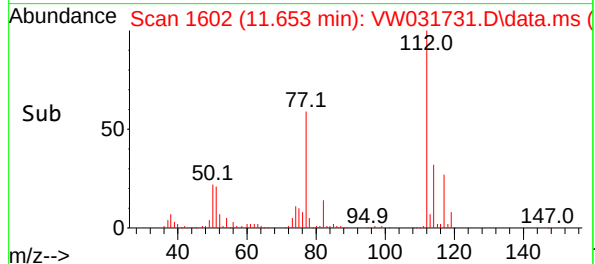
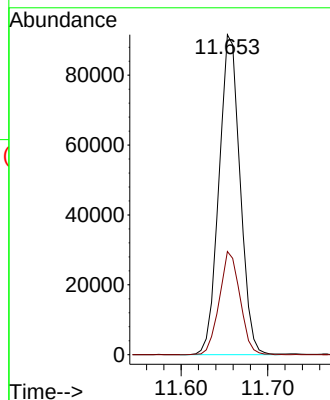
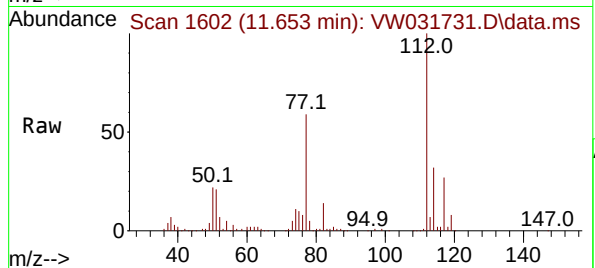
#65
Chlorobenzene
Concen: 20.224 ug/l
RT: 11.653 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 15484
Ion Ratio Lower Upper
112 100
114 32.2 23.8 35.8

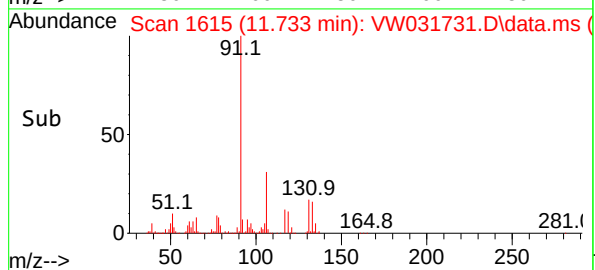
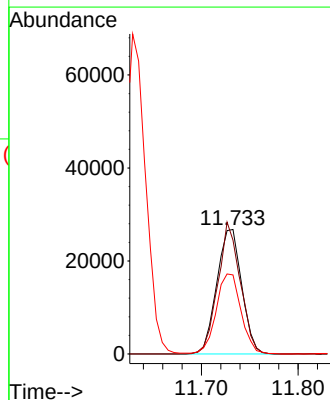
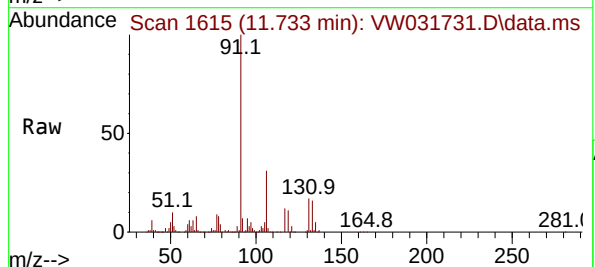
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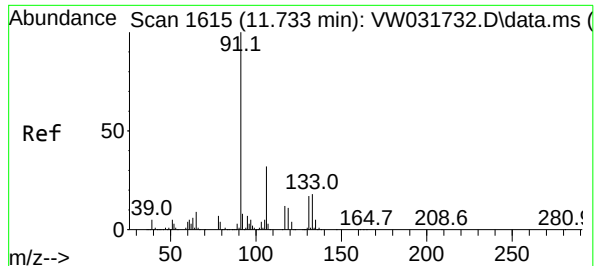
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.641 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:131 Resp: 47923
Ion Ratio Lower Upper
131 100
133 95.2 48.5 145.6
119 64.2 32.5 97.5





#67

Ethyl Benzene

Concen: 19.975 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 265199

Ion Ratio Lower Upper

91 100

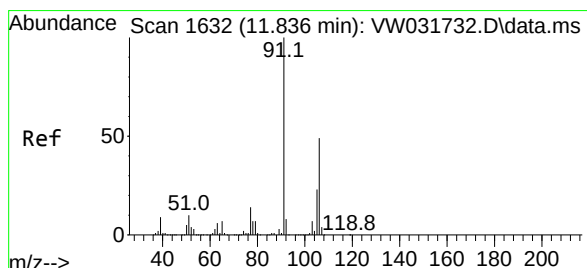
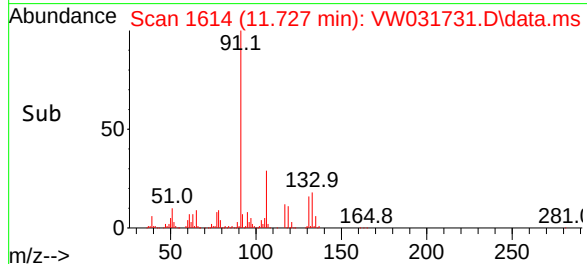
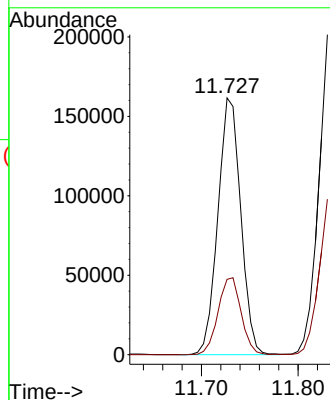
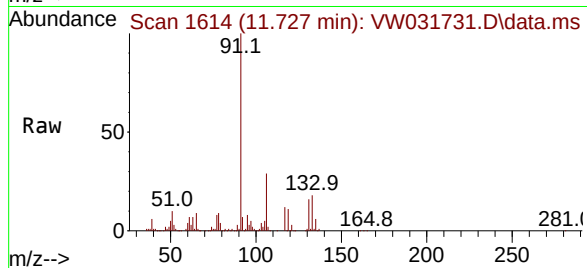
106 29.3 25.4 38.2

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 40.829 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031731.D

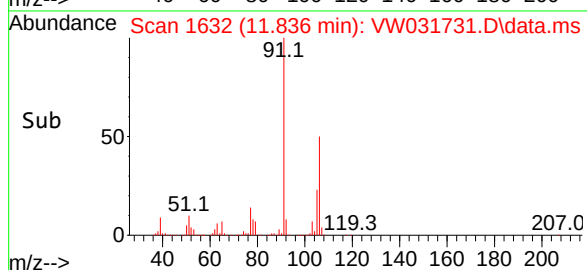
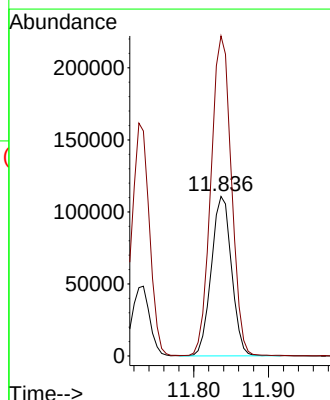
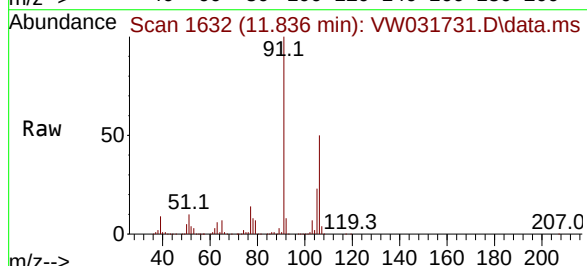
Acq: 30 Jun 2025 10:58

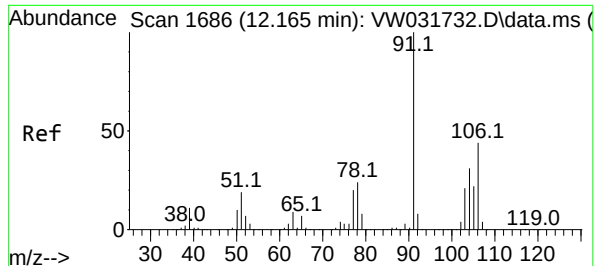
Tgt Ion:106 Resp: 208380

Ion Ratio Lower Upper

106 100

91 203.4 166.4 249.6





#69

o-Xylene

Concen: 20.126 ug/l

RT: 12.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 9510

Ion Ratio Lower Upper

106 100

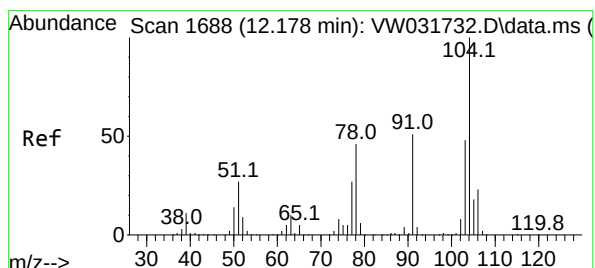
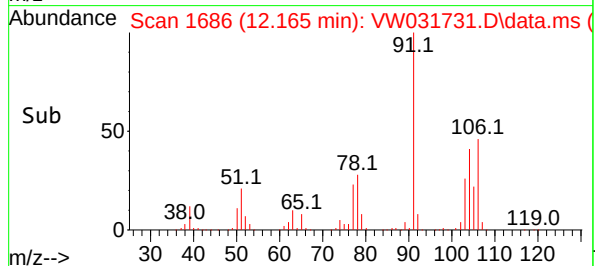
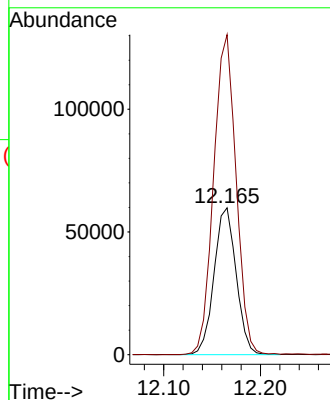
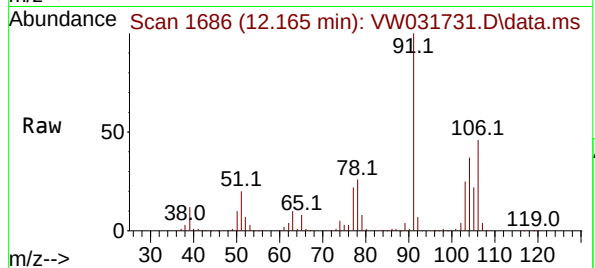
91 221.6 111.5 334.4

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 20.307 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

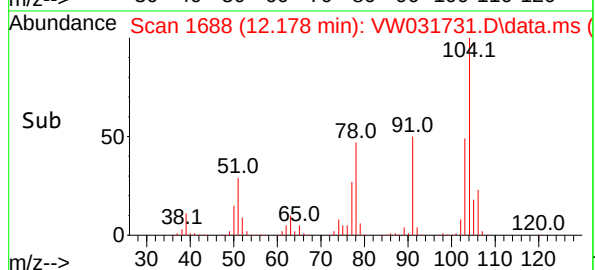
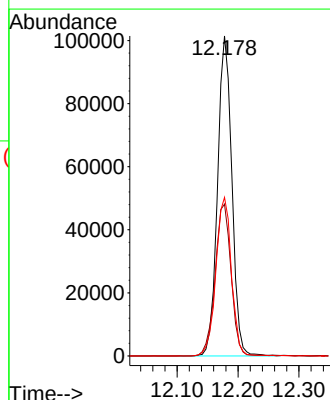
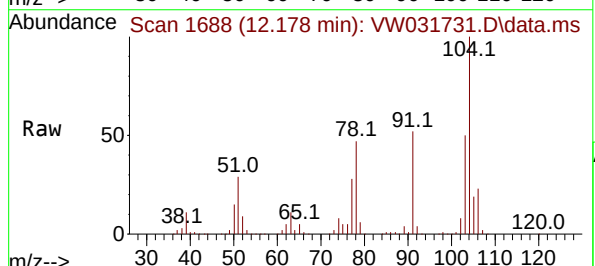
Tgt Ion:104 Resp: 165896

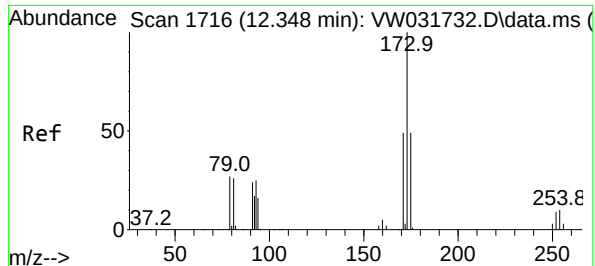
Ion Ratio Lower Upper

104 100

78 52.8 42.1 63.1

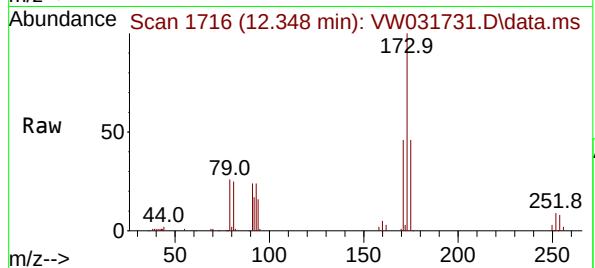
103 53.6 43.0 64.6





#71
Bromoform
Concen: 19.330 ug/l
RT: 12.348 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

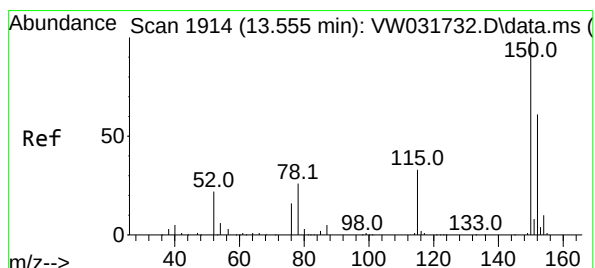
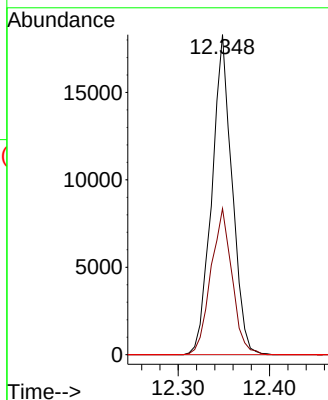
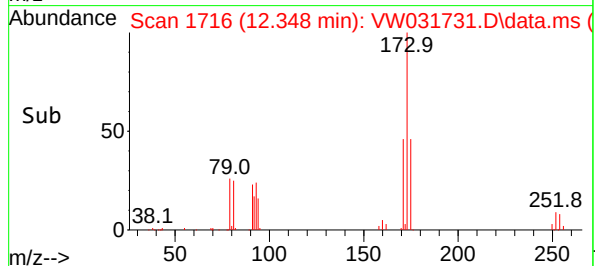
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 28135
Ion Ratio Lower Upper
173 100
175 47.9 24.0 72.0
254 0.0 0.1 0.1

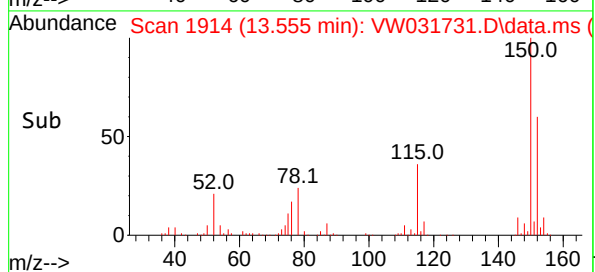
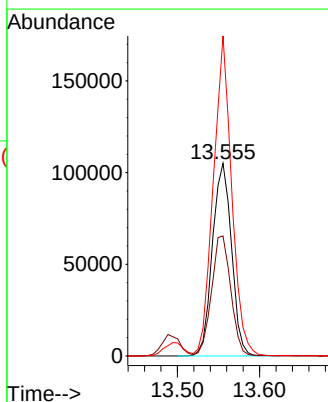
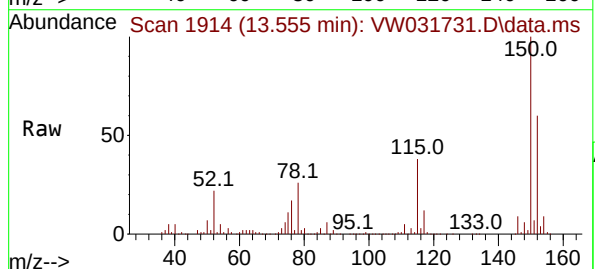
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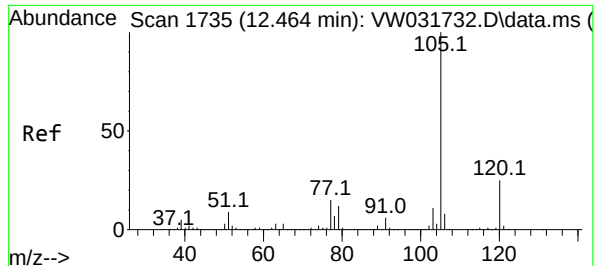
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

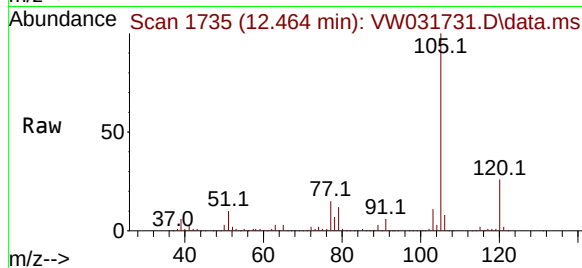
Tgt Ion:152 Resp: 169543
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 159.7 0.0 356.4





#73
Isopropylbenzene
Concen: 19.368 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

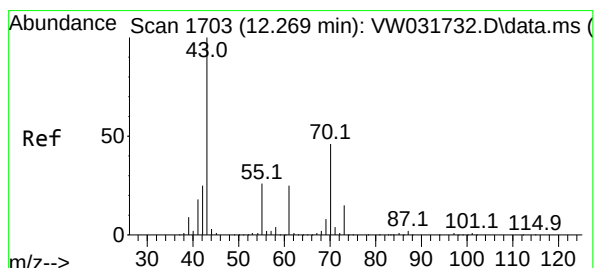
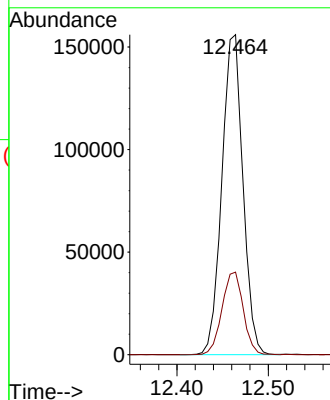
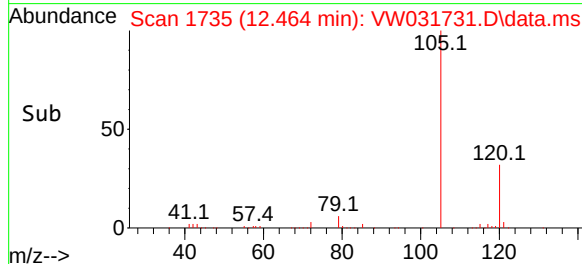
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 249772
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

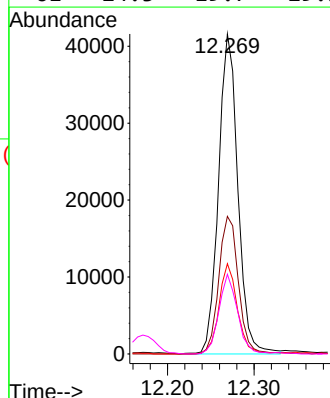
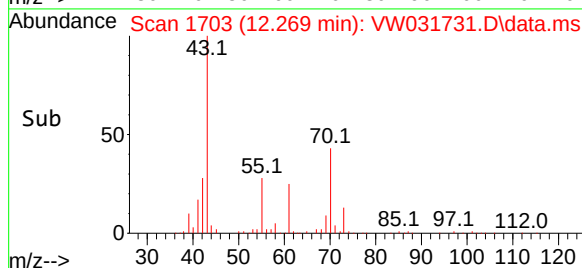
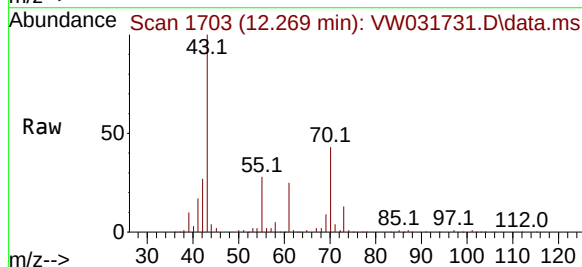
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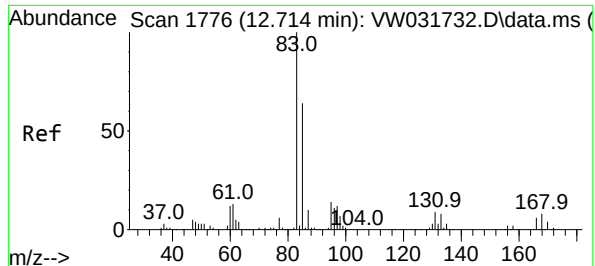
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 18.584 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 64599
Ion Ratio Lower Upper
43 100
70 43.9 36.0 54.0
55 27.1 20.8 31.2
61 24.3 19.7 29.5





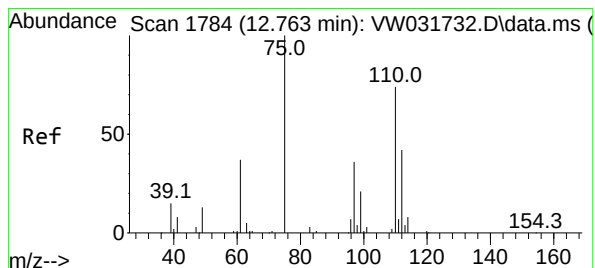
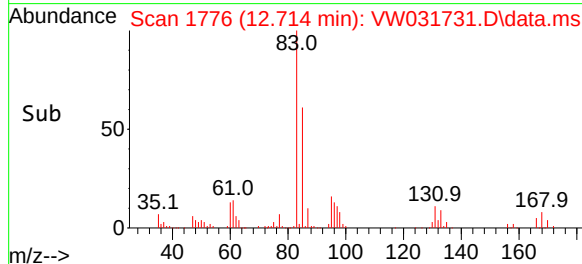
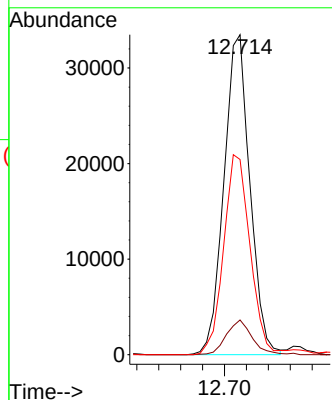
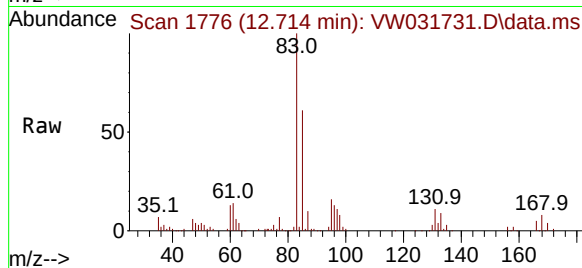
#75
1,1,2,2-Tetrachloroethane
Concen: 19.230 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55059
Ion Ratio Lower Upper
83 100
131 10.8 5.3 16.1
85 63.7 32.0 96.2

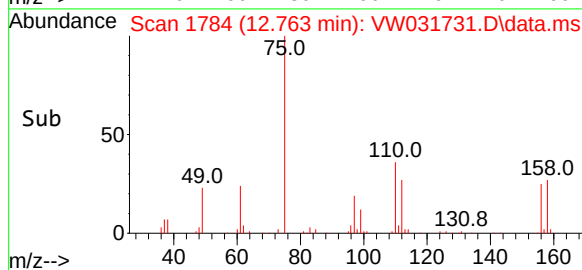
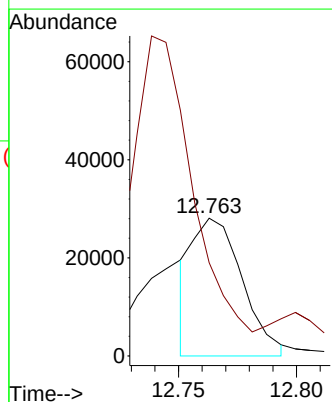
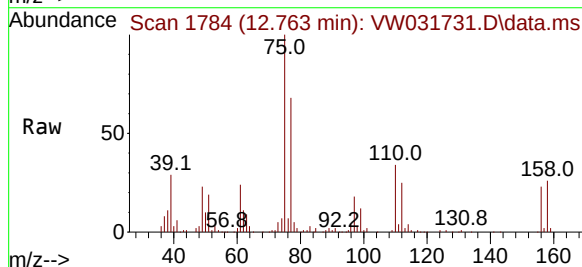
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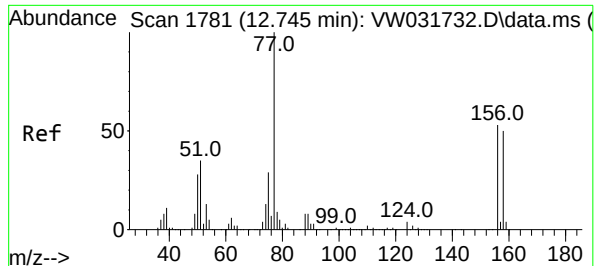
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 18.910 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

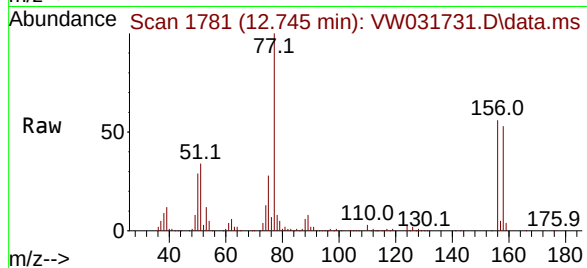
Tgt Ion: 75 Resp: 41432
Ion Ratio Lower Upper
75 100
77 0.0 141.2 423.6#





#77
Bromobenzene
Concen: 19.235 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

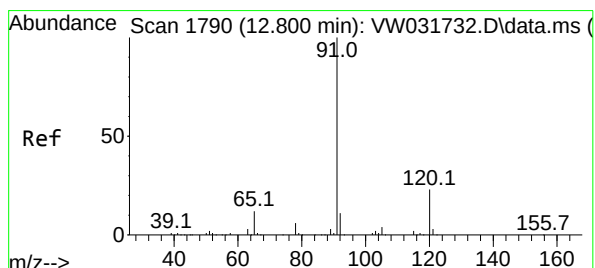
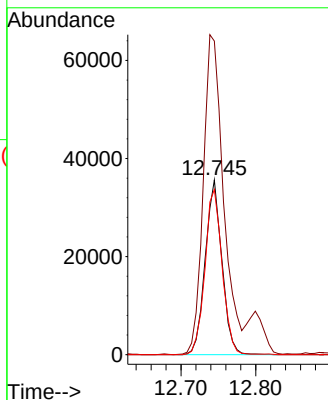
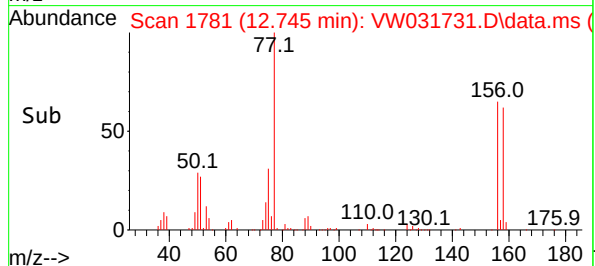
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 5532
Ion Ratio Lower Upper
156 100
77 220.9 117.9 353.7
158 97.4 52.6 157.8

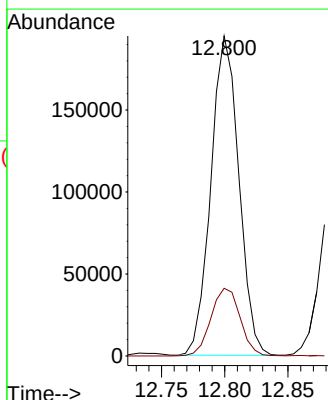
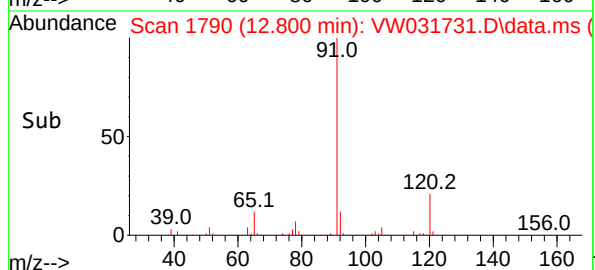
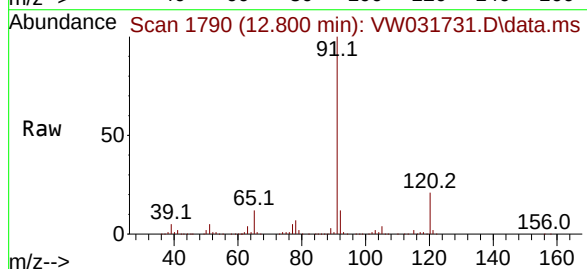
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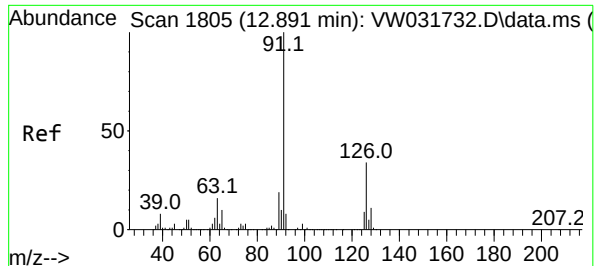
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#78
n-propylbenzene
Concen: 19.402 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 299620
Ion Ratio Lower Upper
91 100
120 22.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.845 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 184544

Ion Ratio Lower Upper

91 100

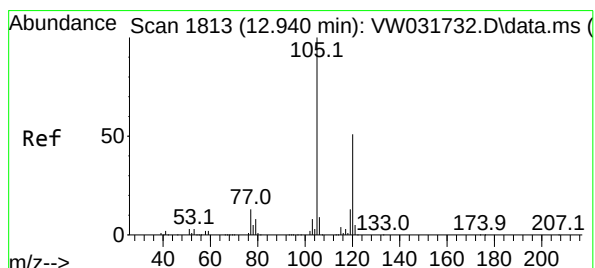
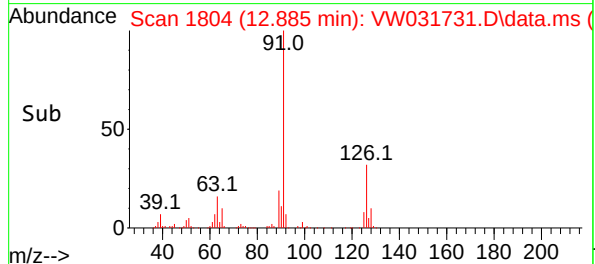
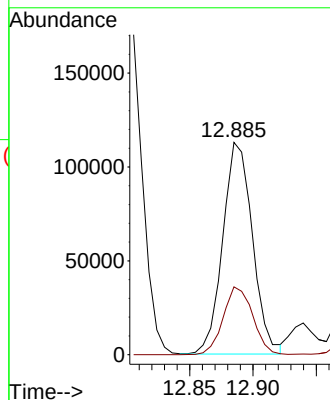
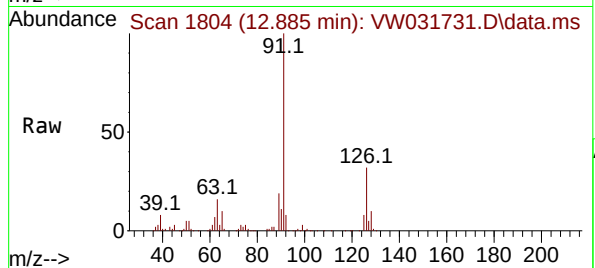
126 31.9 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.828 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW031731.D

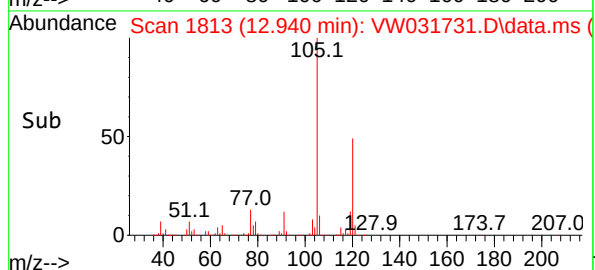
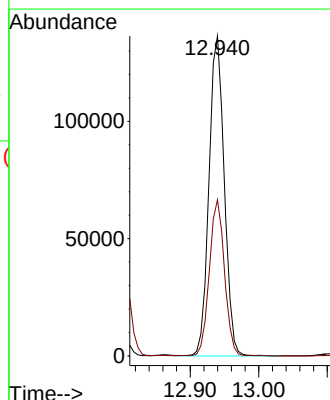
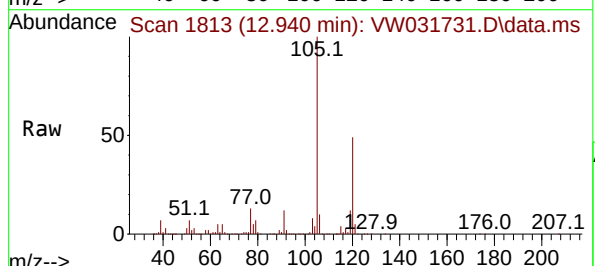
Acq: 30 Jun 2025 10:58

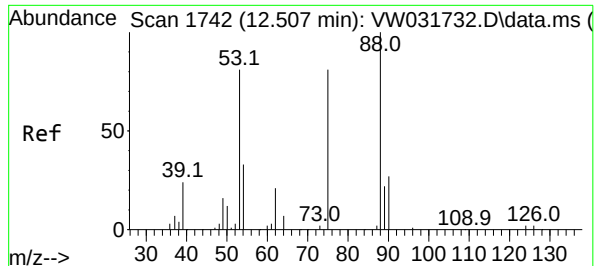
Tgt Ion:105 Resp: 211664

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.2





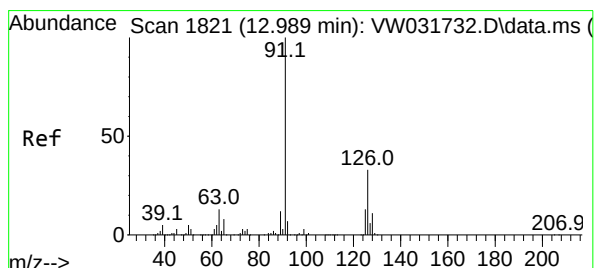
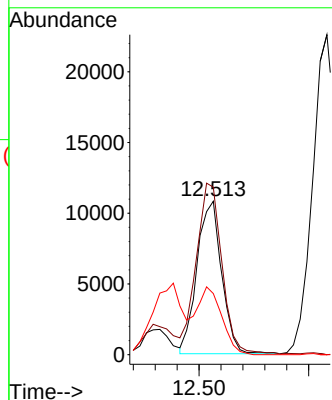
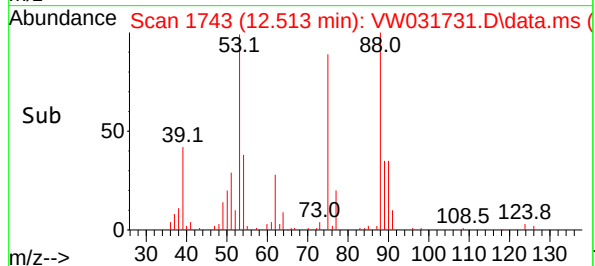
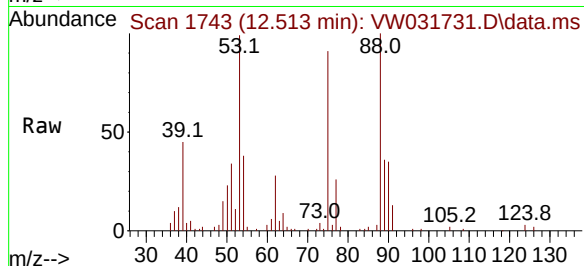
#81
trans-1,4-Dichloro-2-butene
Concen: 17.978 ug/l
RT: 12.513 min Scan# 1742
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 1691
Ion Ratio Lower Upper
75 100
53 115.7 83.5 125.3
89 46.1 38.3 57.5

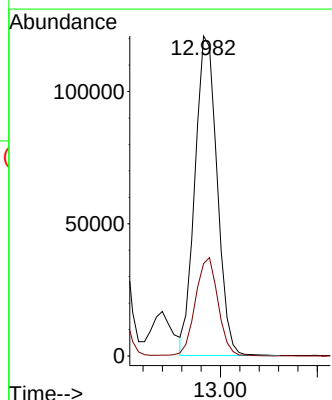
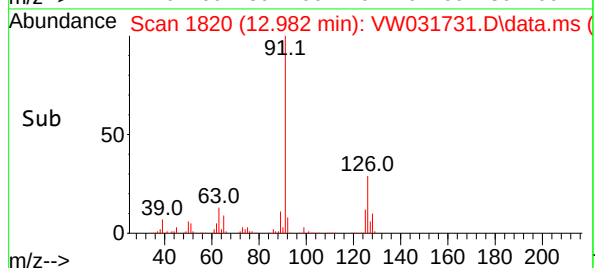
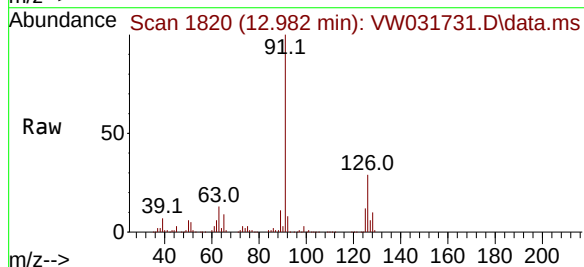
Manual Integrations
APPROVED

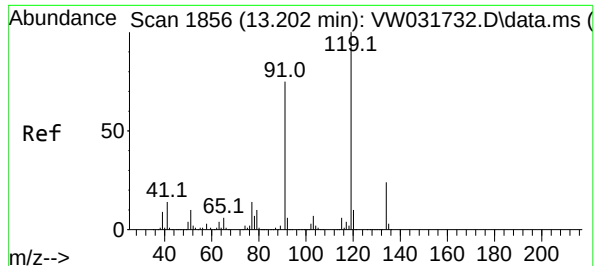
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 19.707 ug/l
RT: 12.982 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 192402
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9





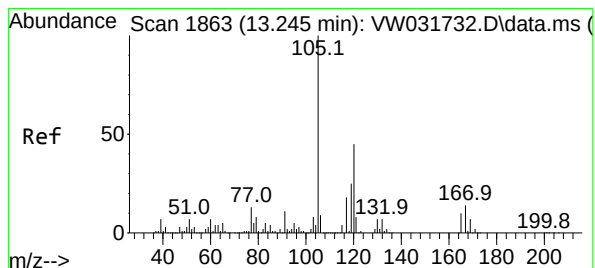
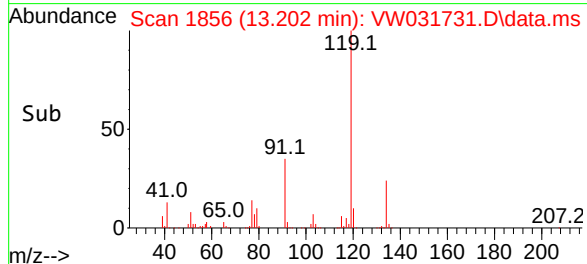
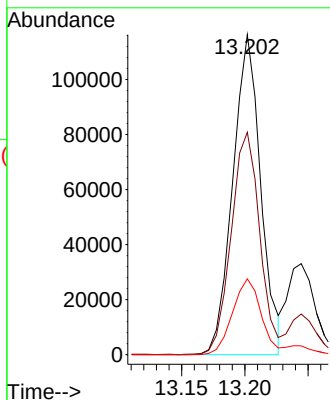
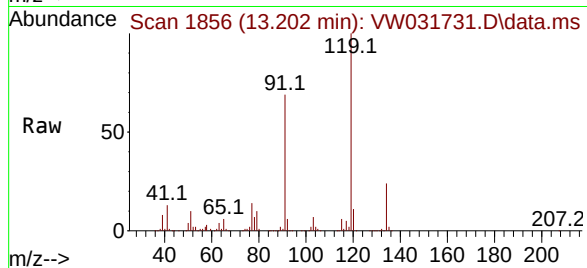
#83
tert-Butylbenzene
Concen: 19.591 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 179144
Ion Ratio Lower Upper
119 100
91 71.0 36.0 108.1
134 24.6 12.4 37.2

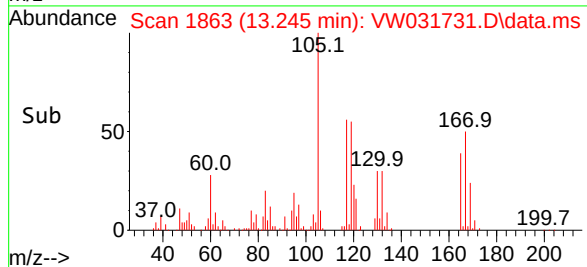
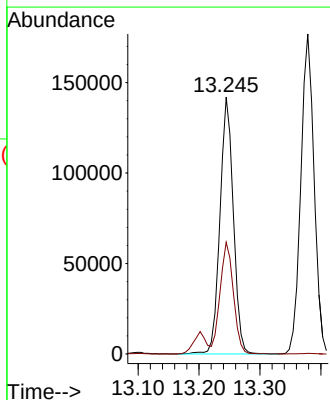
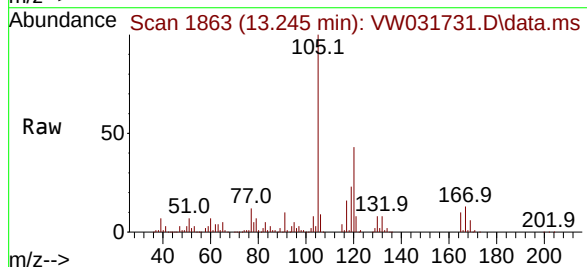
Manual Integrations
APPROVED

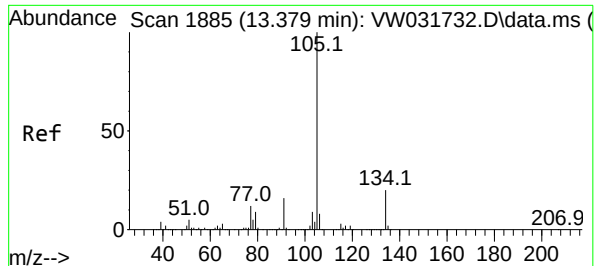
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.016 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 216491
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.452 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 266984

Ion Ratio Lower Upper

105 100

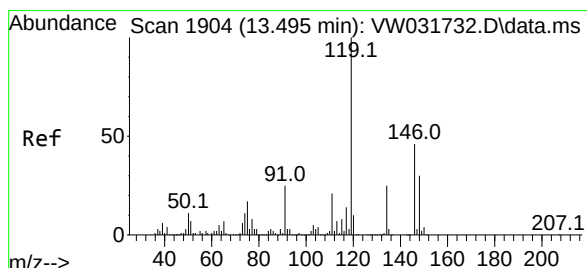
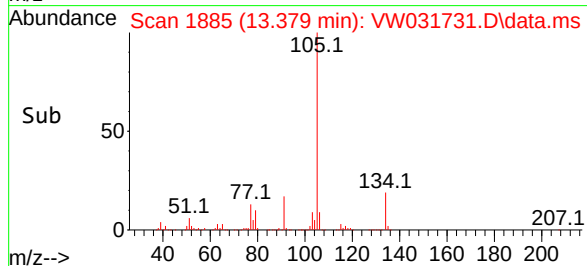
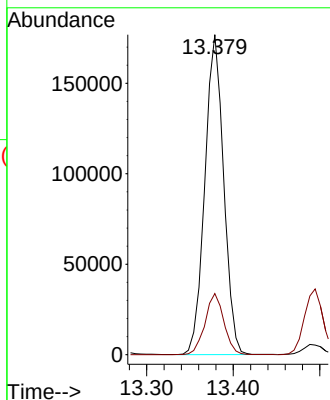
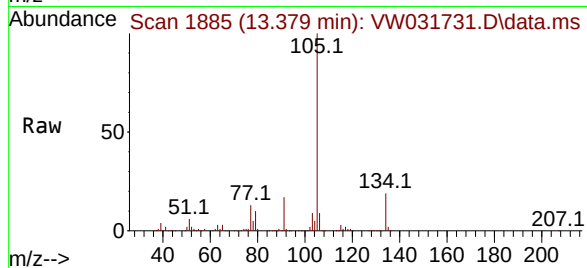
134 19.2 9.6 28.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#86

p-Isopropyltoluene

Concen: 19.735 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

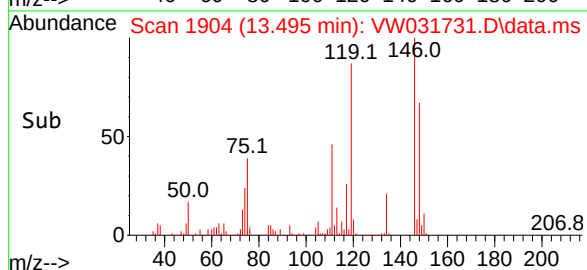
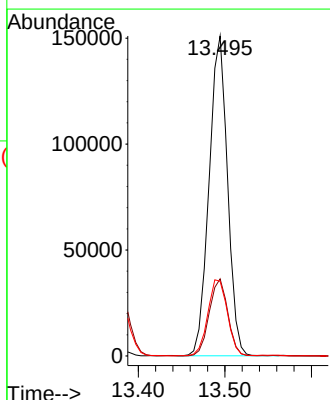
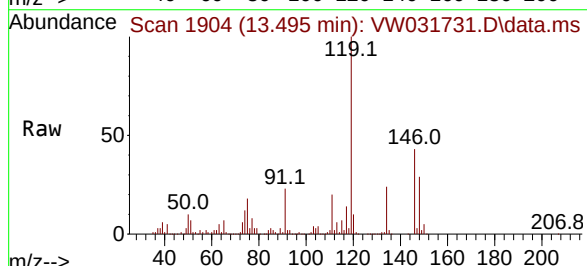
Tgt Ion:119 Resp: 223225

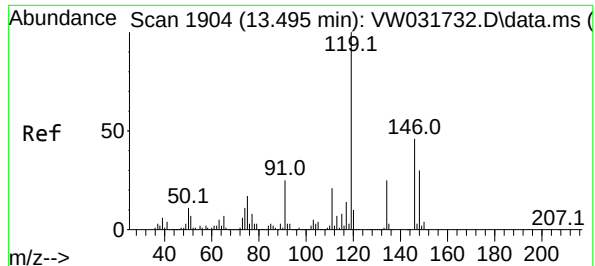
Ion Ratio Lower Upper

119 100

134 24.3 12.9 38.7

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.784 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 114120

Ion Ratio Lower Upper

146 100

111 44.1 22.3 66.9

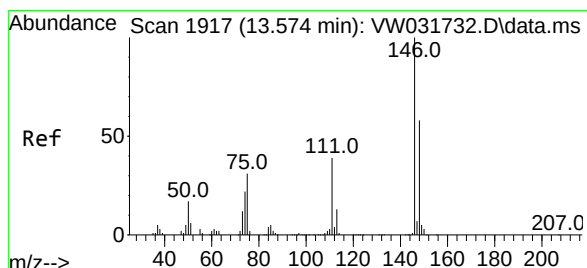
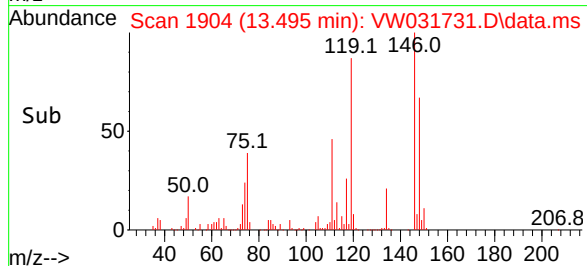
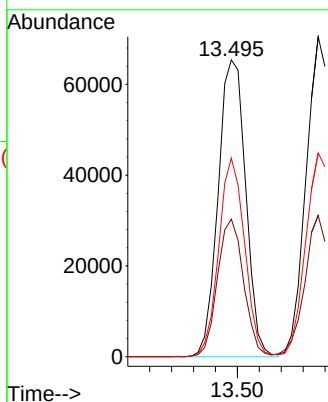
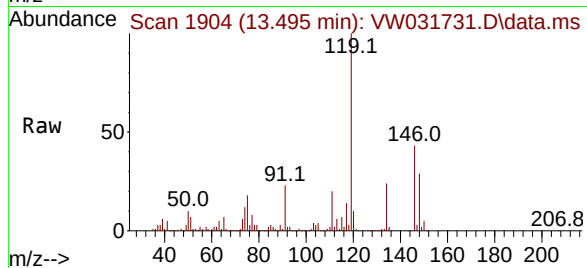
148 63.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

Concen: 19.530 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

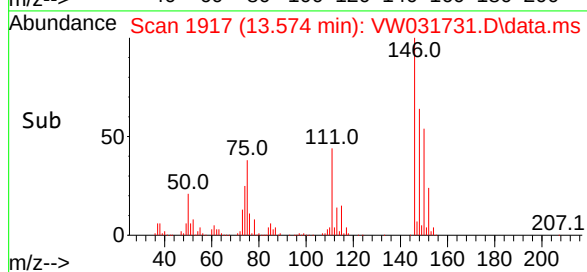
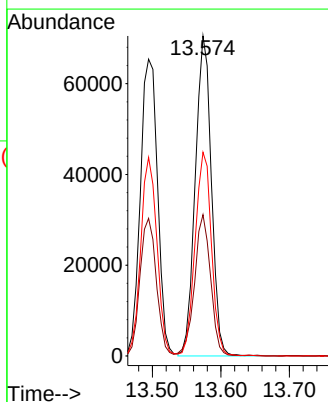
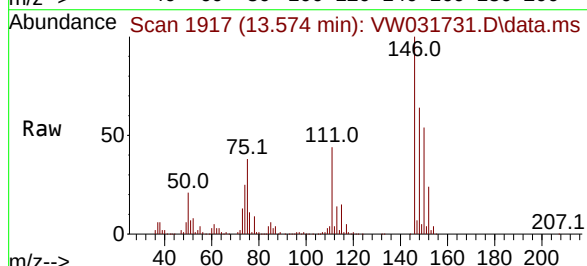
Tgt Ion:146 Resp: 115307

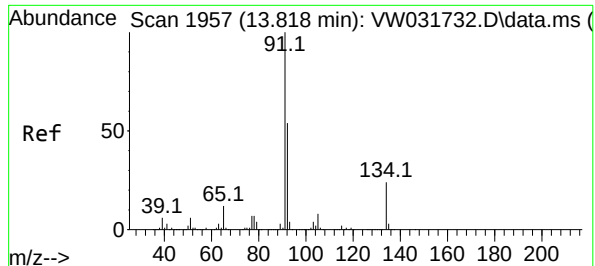
Ion Ratio Lower Upper

146 100

111 43.9 20.4 61.3

148 64.5 30.2 90.6





#89

n-Butylbenzene

Concen: 19.336 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

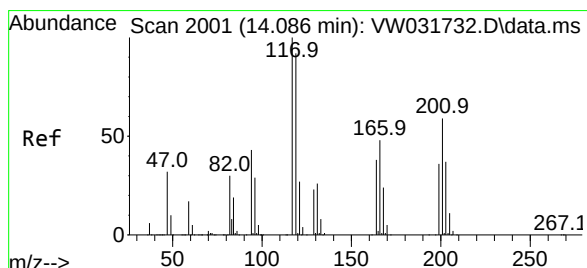
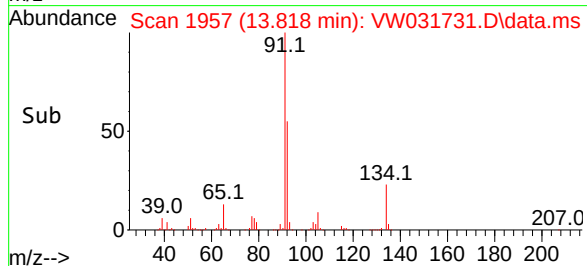
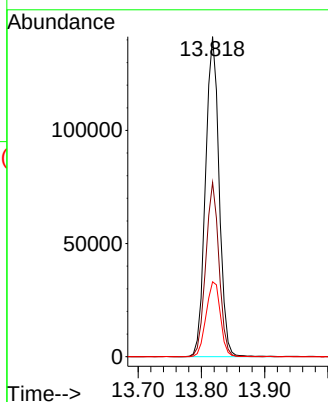
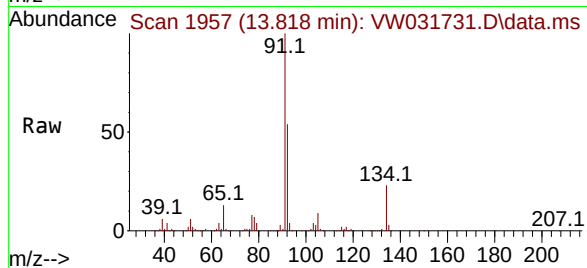
VSTDICC020

Tgt Ion:	91	Resp:	212509
Ion Ratio	Lower	Upper	
91	100		
92	52.8	27.2	81.5
134	24.5	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 18.820 ug/l

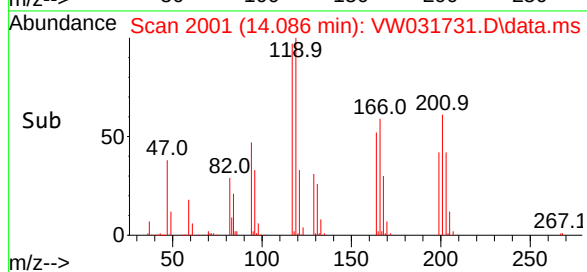
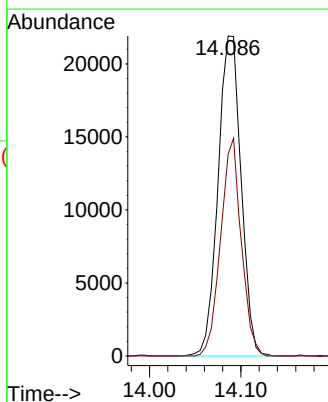
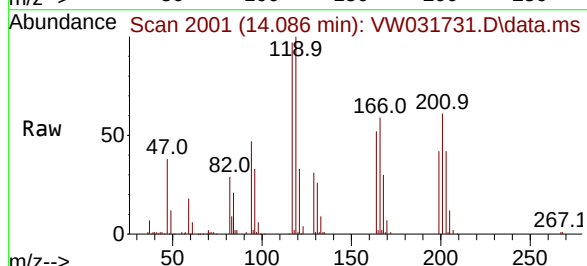
RT: 14.086 min Scan# 2001

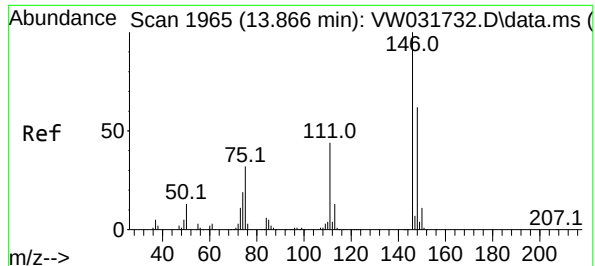
Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:	117	Resp:	38406
Ion Ratio	Lower	Upper	
117	100		
201	60.9	31.1	93.3





#91

1,2-Dichlorobenzene

Concen: 19.432 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 102449

Ion Ratio Lower Upper

146 100

111 44.9 21.7 65.1

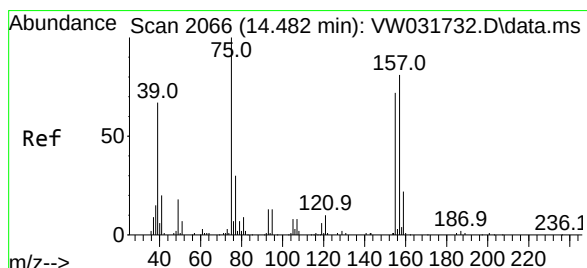
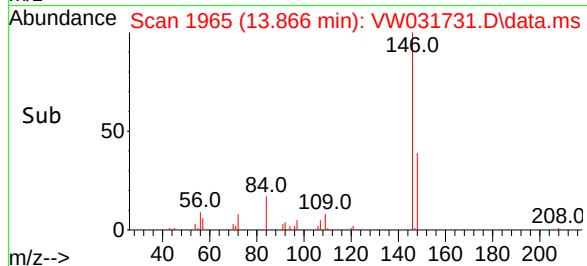
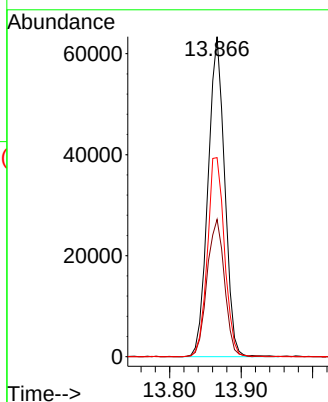
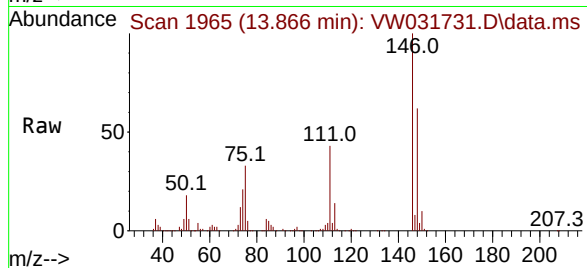
148 63.9 29.8 89.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.610 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

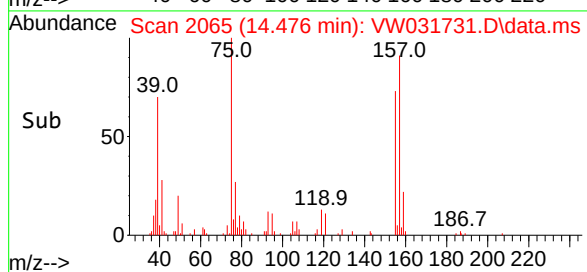
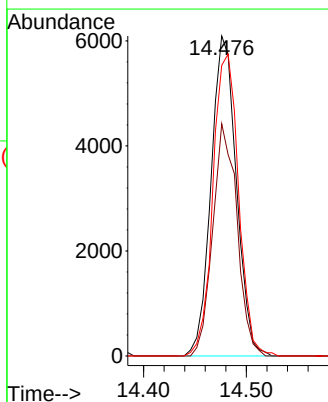
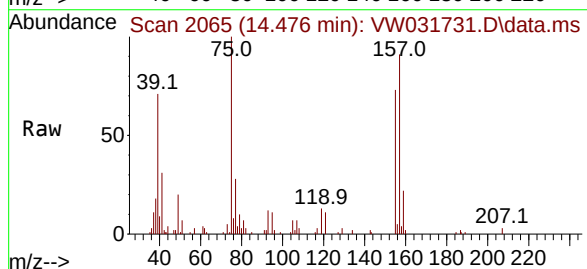
Tgt Ion: 75 Resp: 10404

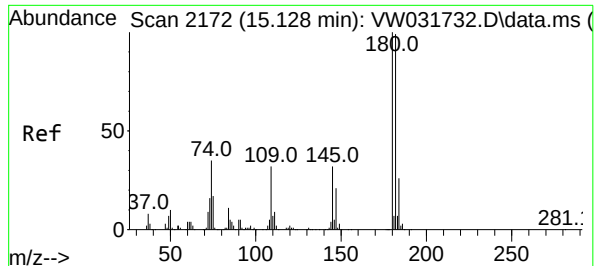
Ion Ratio Lower Upper

75 100

155 69.6 37.2 111.6

157 95.5 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 19.386 ug/l

RT: 15.128 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion:180 Resp: 6303

Ion Ratio Lower Upper

180 100

182 90.2 48.6 145.9

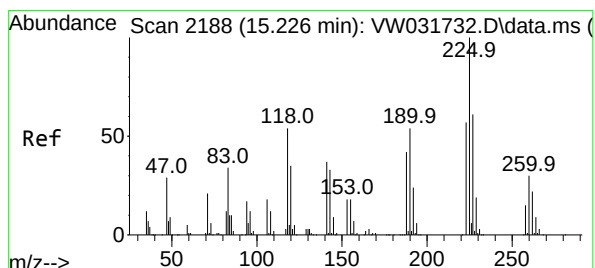
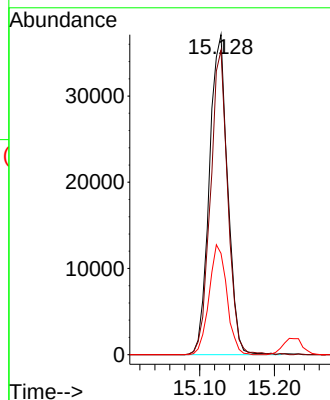
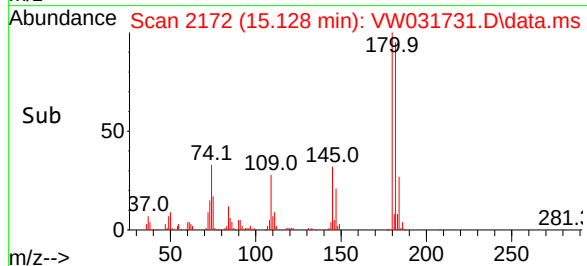
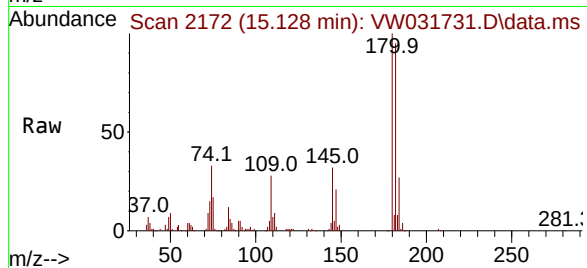
145 33.4 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 18.913 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

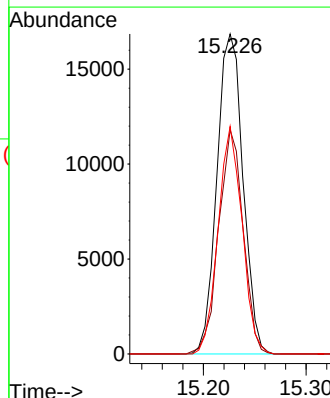
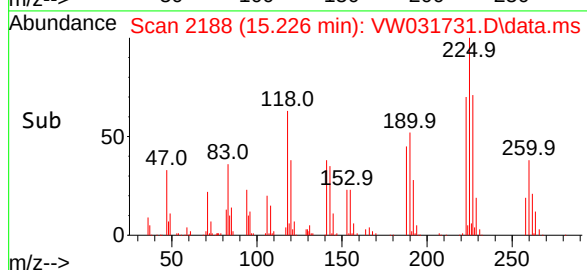
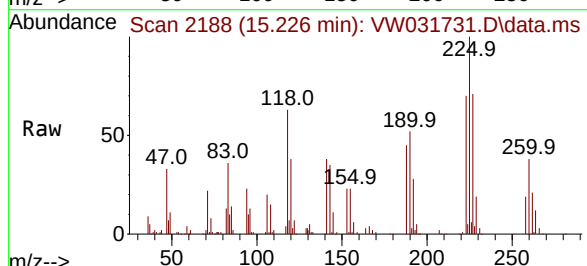
Tgt Ion:225 Resp: 29695

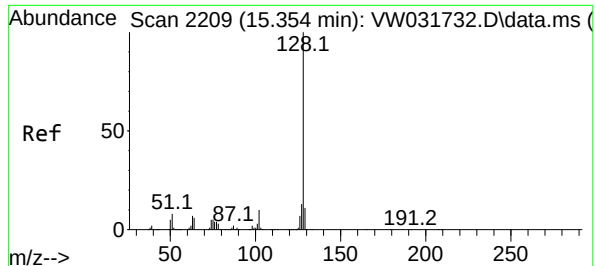
Ion Ratio Lower Upper

225 100

223 65.7 32.6 97.8

227 65.5 37.3 111.8





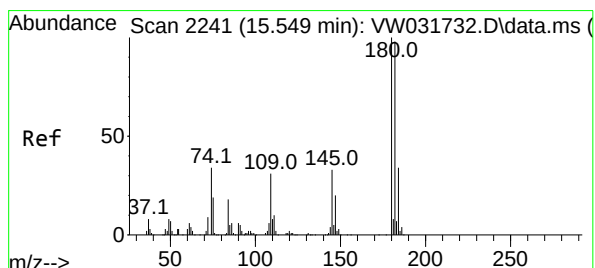
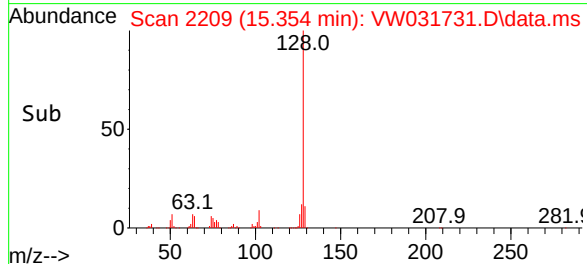
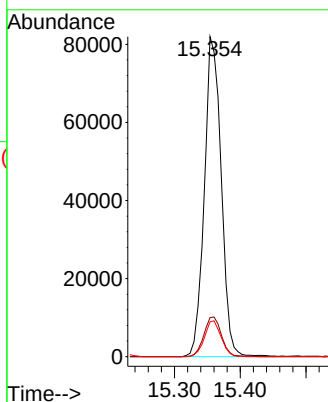
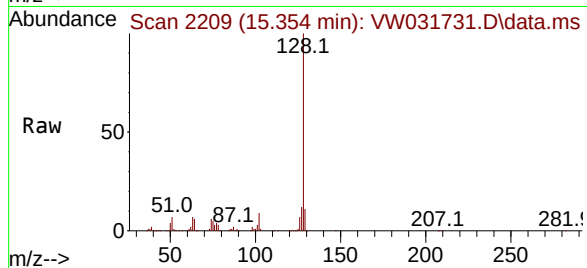
#95
Naphthalene
Concen: 18.335 ug/l
RT: 15.354 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 146159
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.1 8.7 13.1

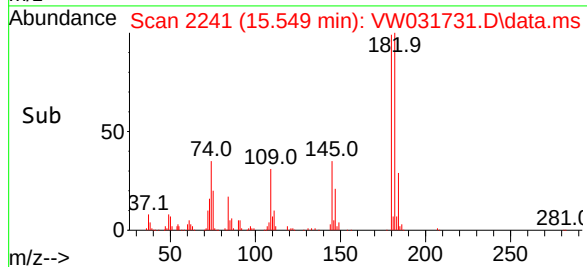
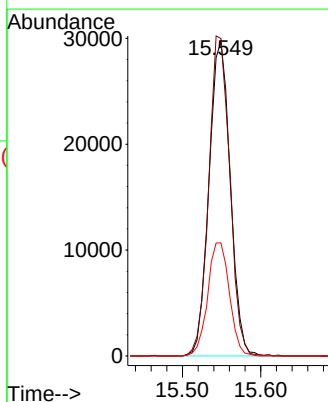
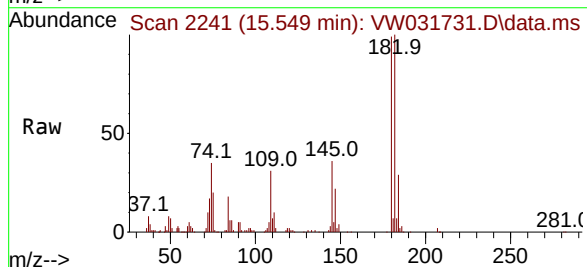
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.772 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:180 Resp: 56085
Ion Ratio Lower Upper
180 100
182 100.6 46.4 139.1
145 36.7 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/01/2025
 Supervised By : Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.620%		
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.240%		
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l	100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l	100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l	100
44) Trichloroethene	9.099	130	139117	49.275	ug/l	100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l	100
46) Dibromomethane	9.471	93	88721	50.266	ug/l	100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l	100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l	100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l	100
52) Toluene	10.391	92	354627	48.965	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l	100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l	100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l	100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l	100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l	100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l	100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l	100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l	100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l	100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l	100
69) o-Xylene	12.165	106	247840	50.054	ug/l	100
70) Styrene	12.178	104	439641	51.360	ug/l	100
71) Bromoform	12.348	173	79452	52.095	ug/l	100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l	100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	113761m	50.492	ug/l	100
77) Bromobenzene	12.745	156	136242	46.062	ug/l	100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l	100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l	100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l	100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l	100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l	100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l	100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l	100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l	100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l	100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l	100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l	100
95) Naphthalene	15.354	128	417556	50.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

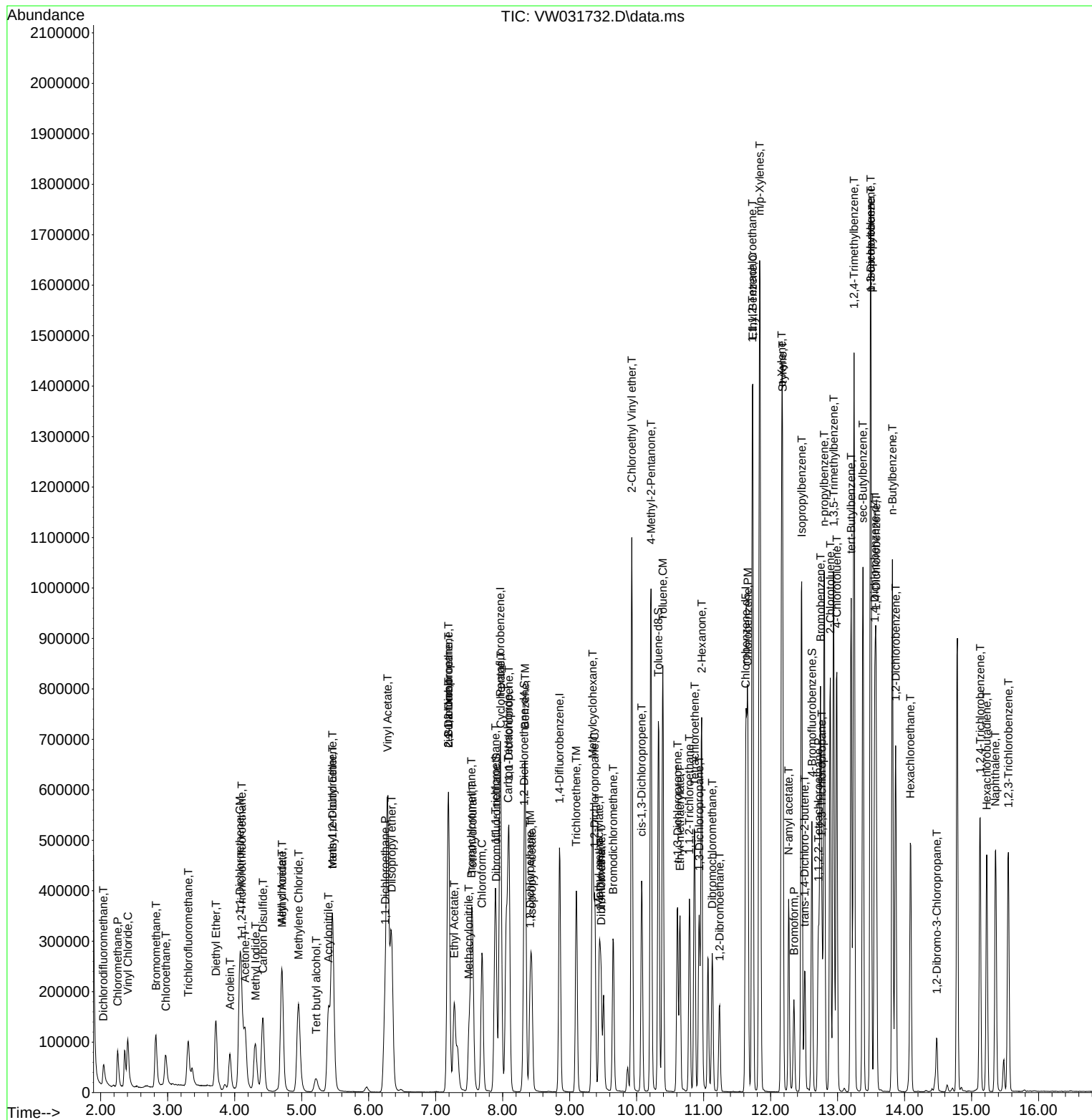
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 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

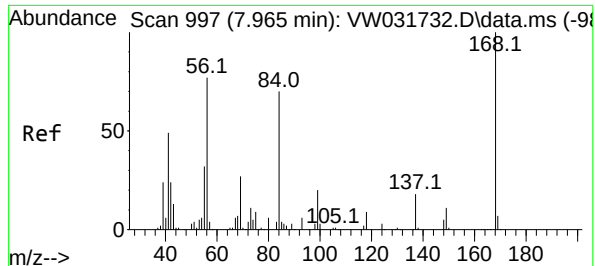
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025





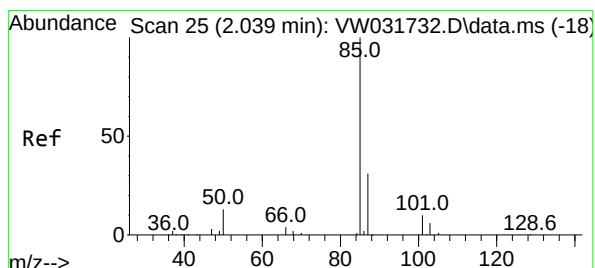
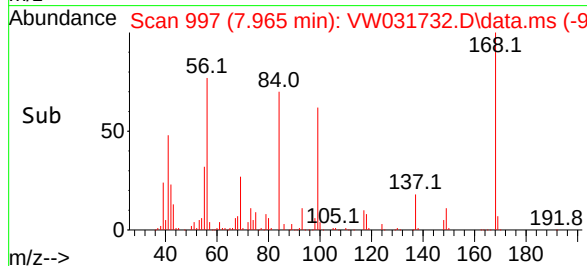
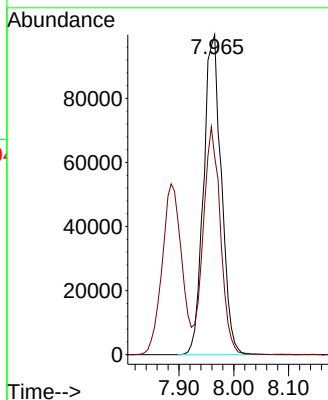
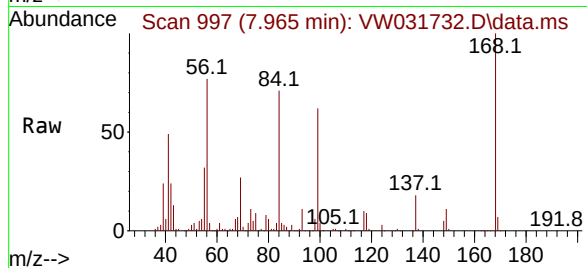
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 22445
Ion Ratio Lower Upper
168 100
99 61.8 49.4 74.2

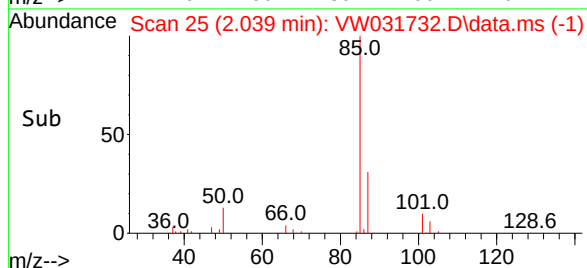
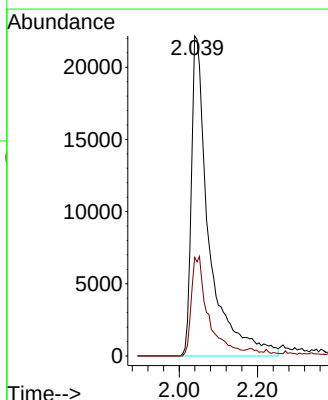
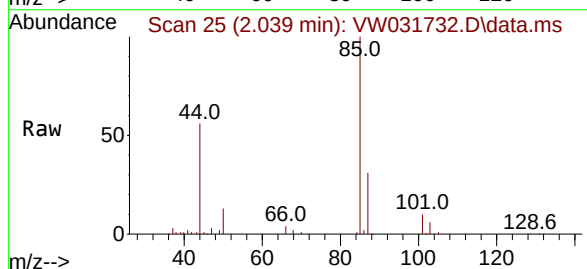
Manual Integrations
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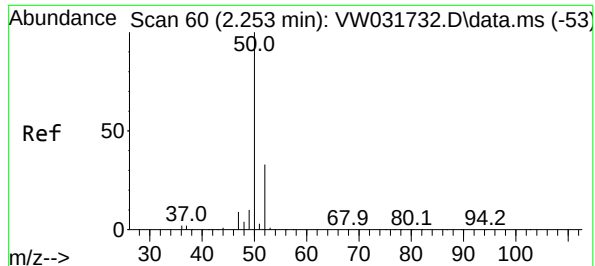
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 45.539 ug/l
RT: 2.039 min Scan# 25
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 85 Resp: 69611
Ion Ratio Lower Upper
85 100
87 30.8 15.4 46.2





#3

Chloromethane

Concen: 45.719 ug/l

RT: 2.253 min Scan# 60

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 84254

Ion Ratio Lower Upper

50 100

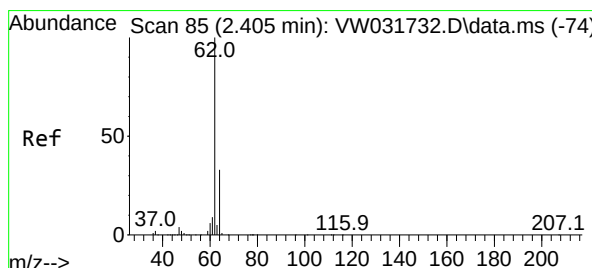
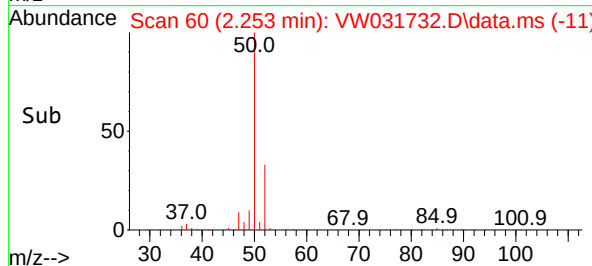
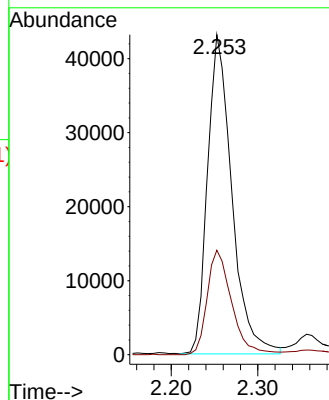
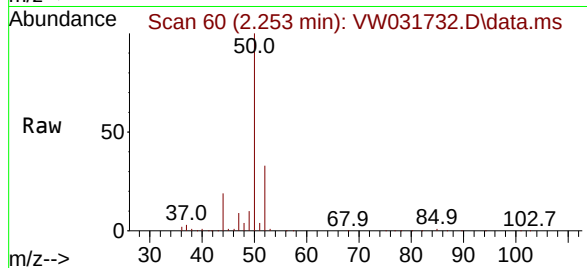
52 32.7 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#4

Vinyl Chloride

Concen: 47.617 ug/l

RT: 2.405 min Scan# 85

Delta R.T. 0.000 min

Lab File: VW031732.D

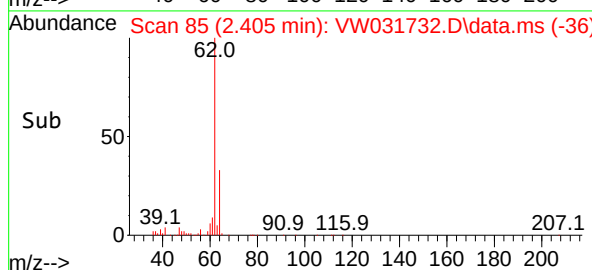
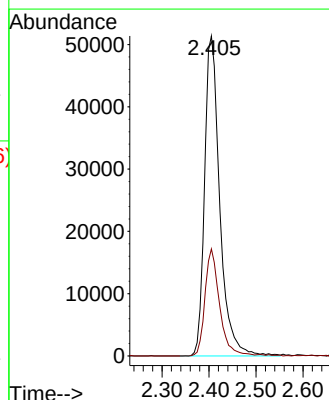
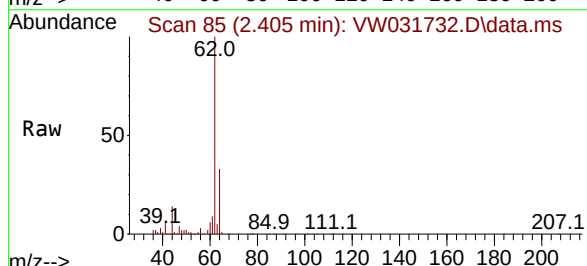
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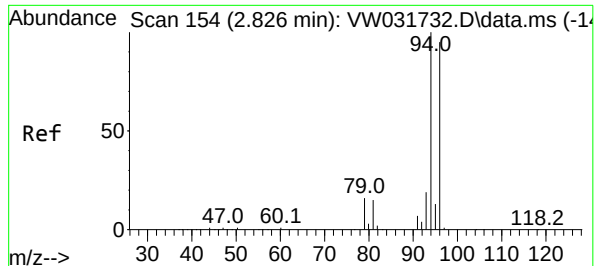
Tgt Ion: 62 Resp: 115341

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2





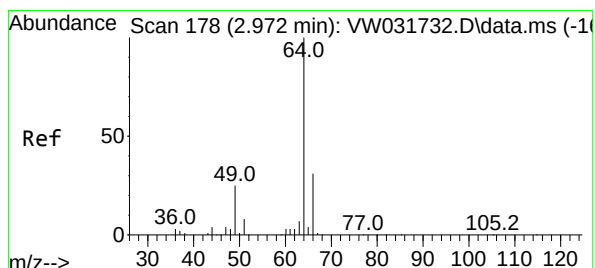
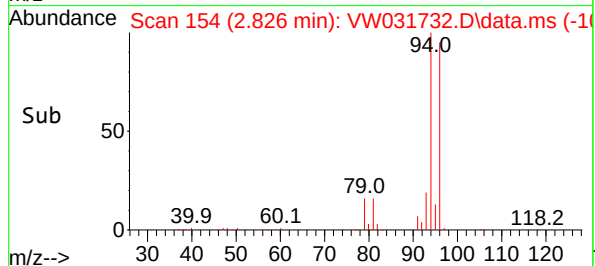
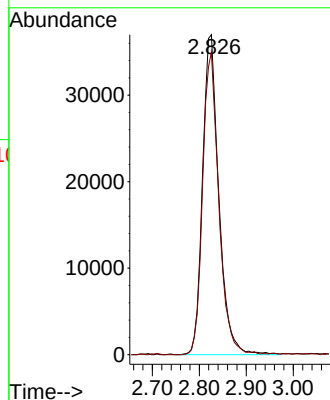
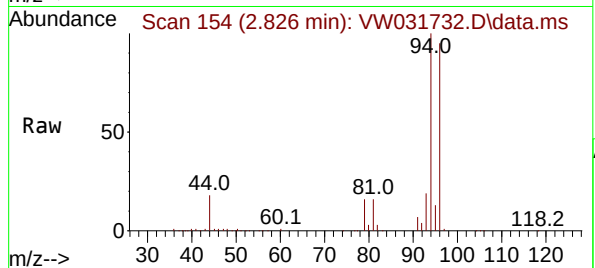
#5
Bromomethane
Concen: 46.990 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 8890
Ion Ratio Lower Upper
94 100
96 94.5 75.6 113.4

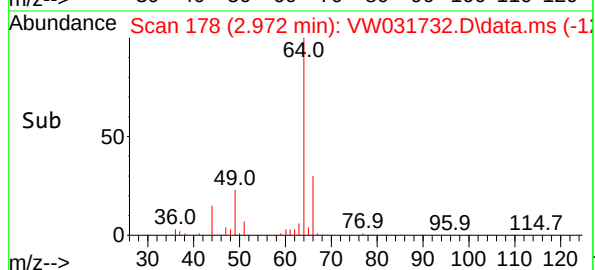
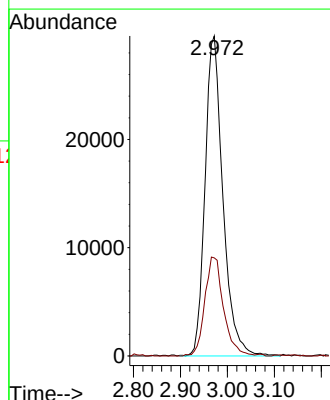
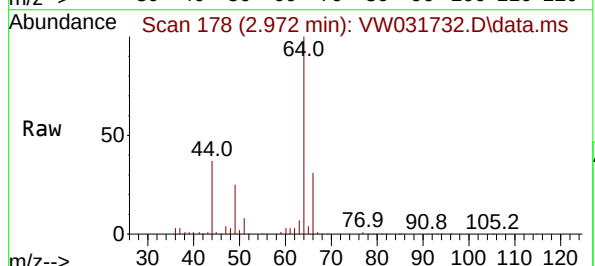
Manual Integrations
APPROVED

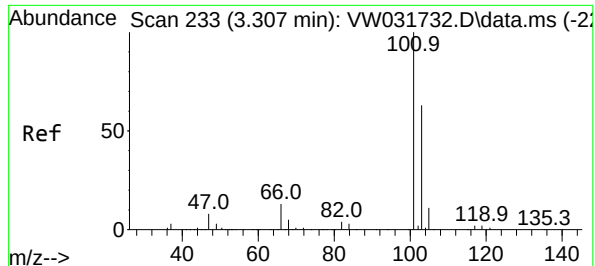
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#6
Chloroethane
Concen: 47.303 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 64 Resp: 77830
Ion Ratio Lower Upper
64 100
66 30.6 24.5 36.7





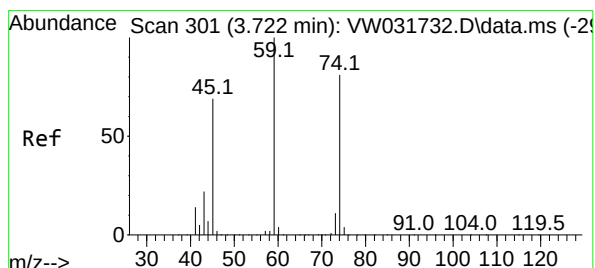
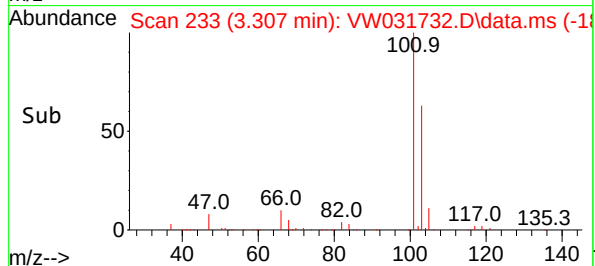
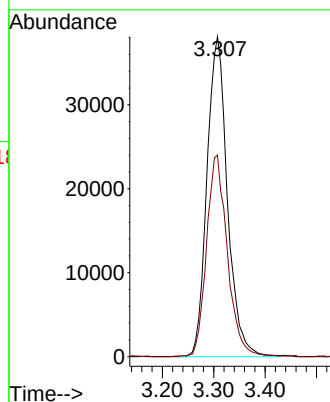
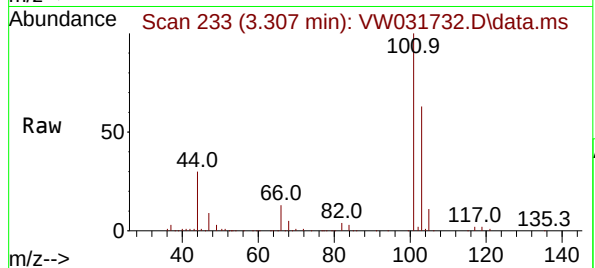
#7
Trichlorofluoromethane
Concen: 47.842 ug/l
RT: 3.307 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 10524
Ion Ratio Lower Upper
101 100
103 62.8 50.2 75.4

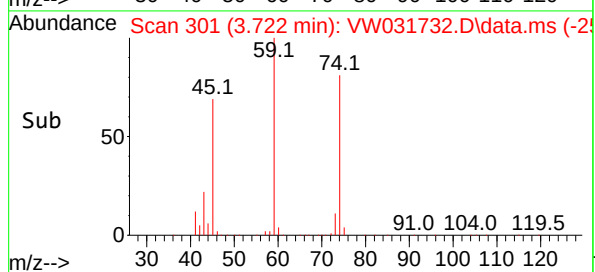
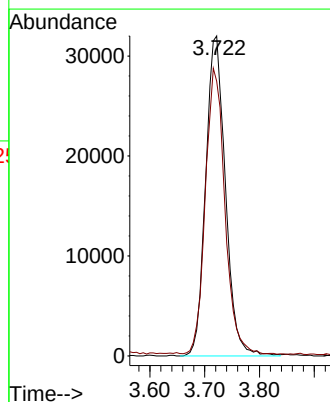
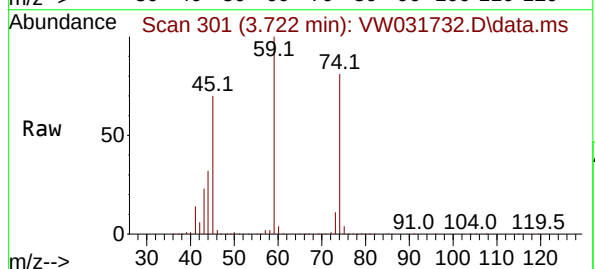
Manual Integrations
APPROVED

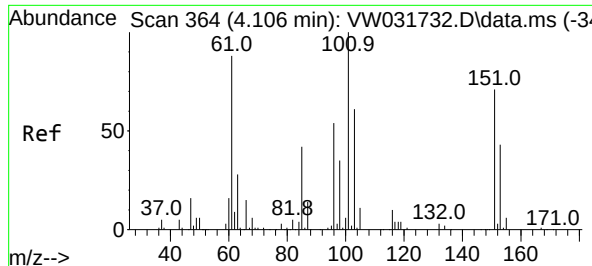
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 47.778 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 74 Resp: 79864
Ion Ratio Lower Upper
74 100
45 87.8 43.9 131.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.722 ug/l

RT: 4.106 min Scan# 364

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 11408

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

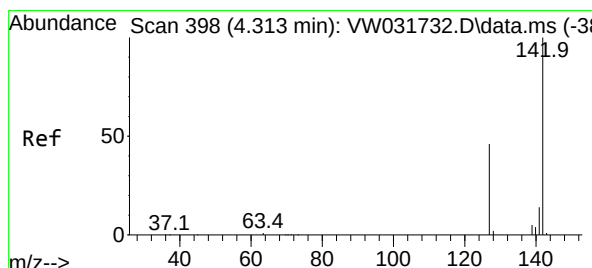
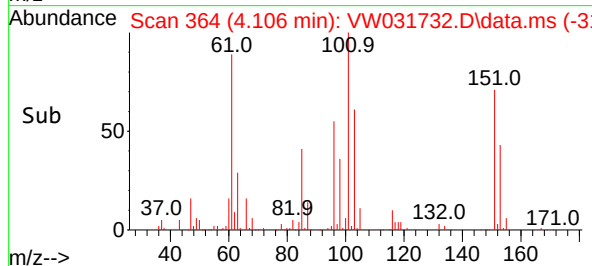
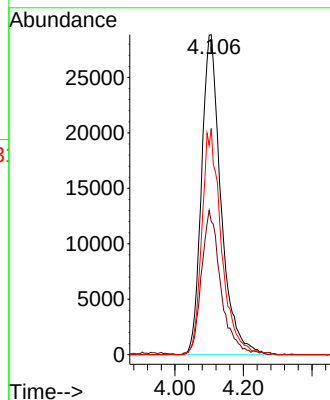
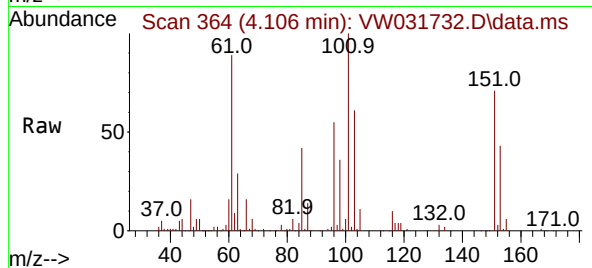
151 71.0 56.8 85.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#10

Methyl Iodide

Concen: 48.636 ug/l

RT: 4.313 min Scan# 398

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

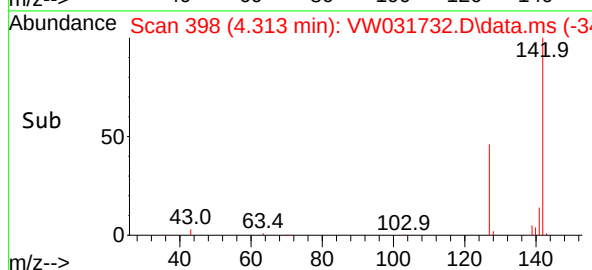
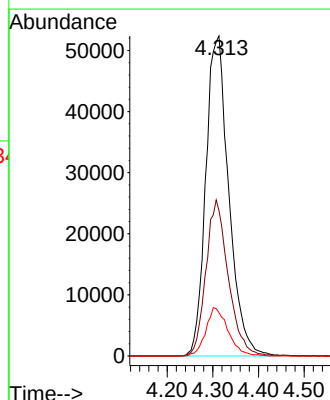
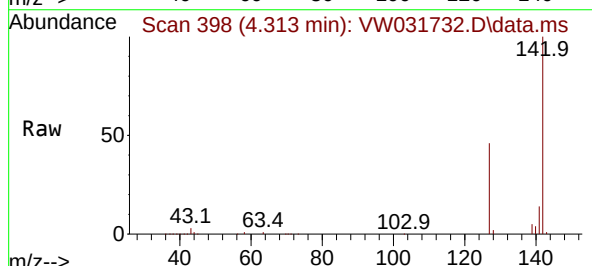
Tgt Ion:142 Resp: 183075

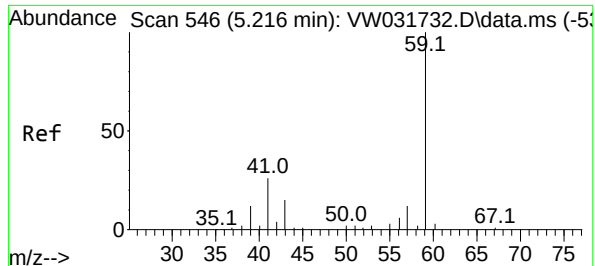
Ion Ratio Lower Upper

142 100

127 47.4 37.9 56.9

141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 262.624 ug/l

RT: 5.216 min Scan# 546

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 52409

Ion Ratio Lower Upper

59 100

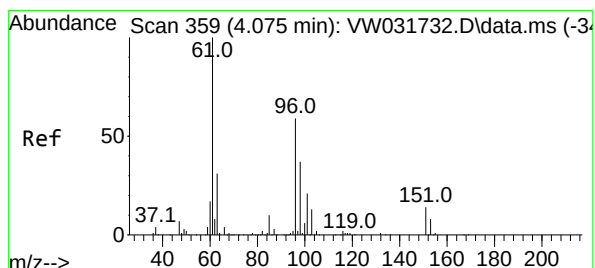
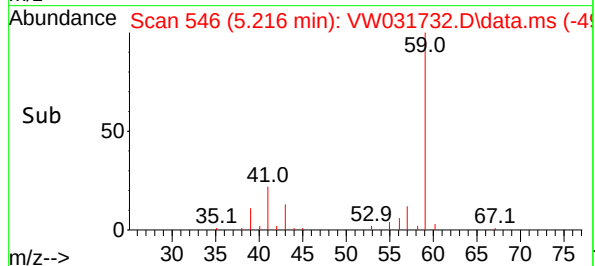
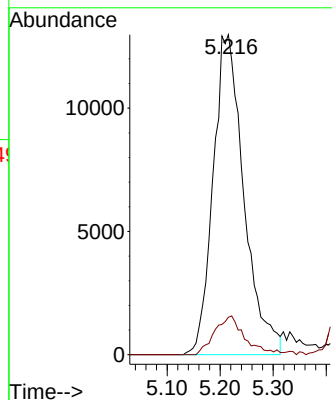
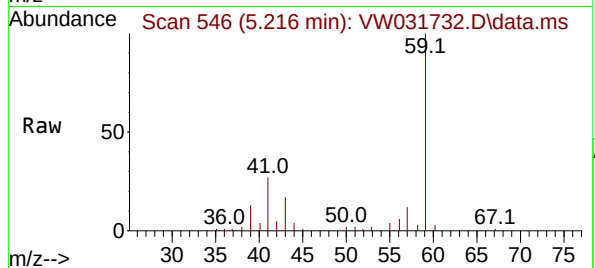
57 11.9 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#12

1,1-Dichloroethene

Concen: 46.640 ug/l

RT: 4.075 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

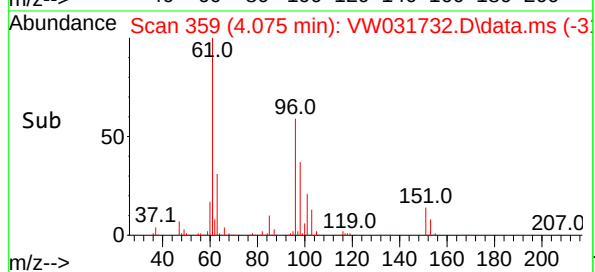
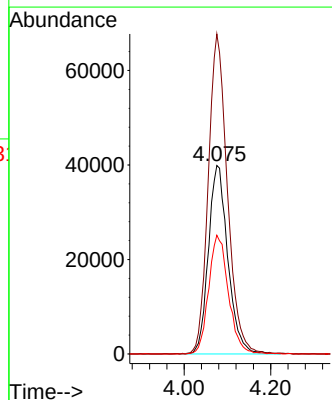
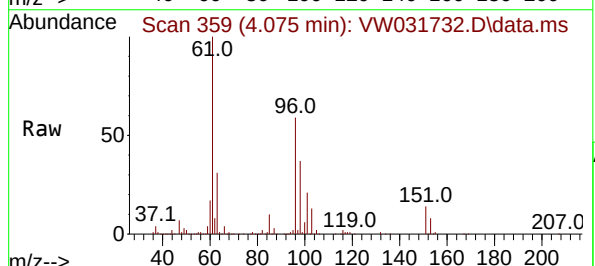
Tgt Ion: 96 Resp: 124737

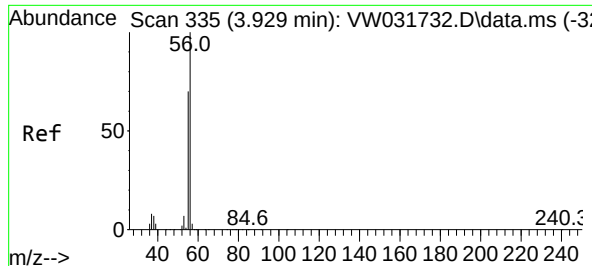
Ion Ratio Lower Upper

96 100

61 169.8 135.8 203.8

98 63.0 50.4 75.6





#13

Acrolein

Concen: 260.524 ug/l

RT: 3.929 min Scan# 335

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 9344

Ion Ratio Lower Upper

56 100

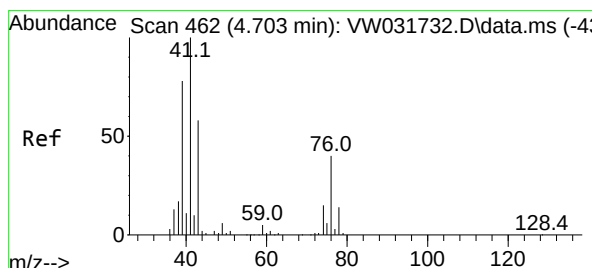
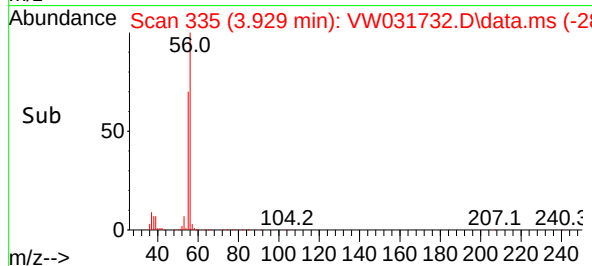
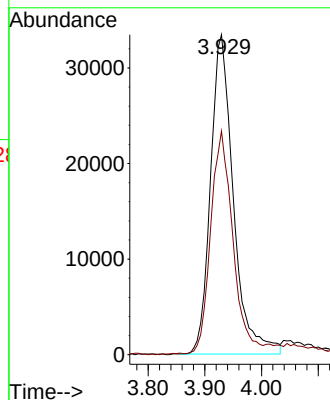
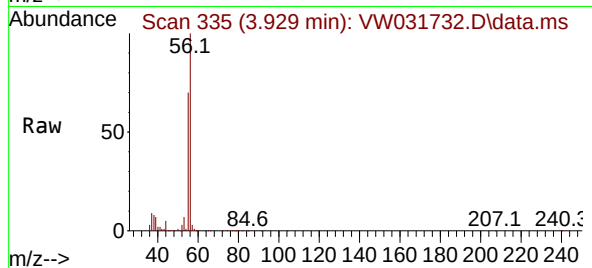
55 67.5 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#14

Allyl chloride

Concen: 48.986 ug/l

RT: 4.703 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

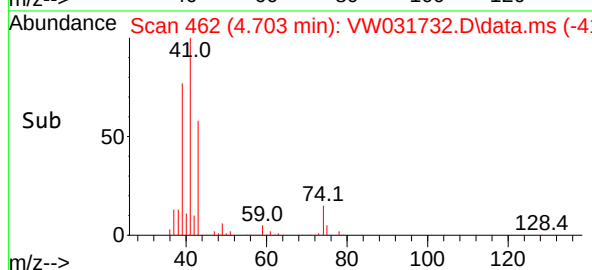
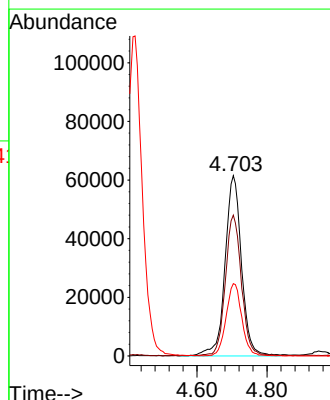
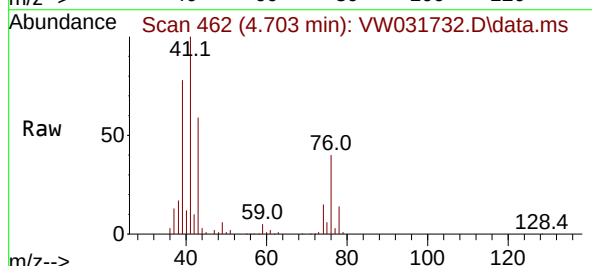
Tgt Ion: 41 Resp: 201014

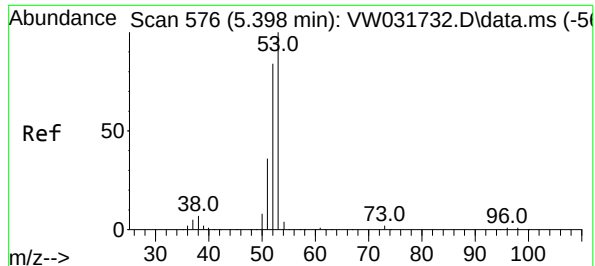
Ion Ratio Lower Upper

41 100

39 75.9 60.7 91.1

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 261.033 ug/l

RT: 5.398 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 214572

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

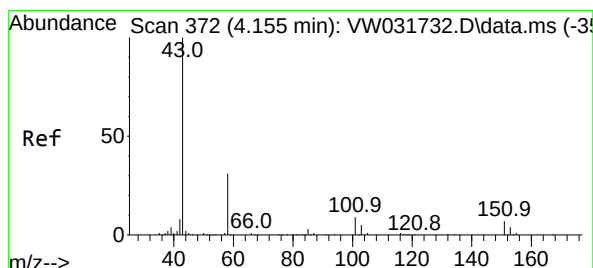
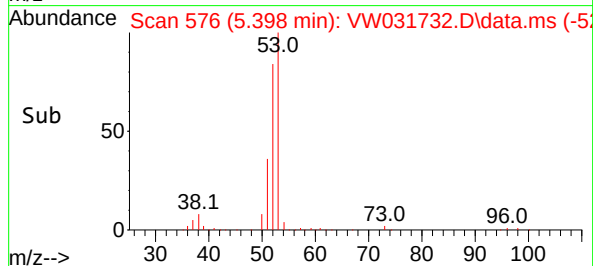
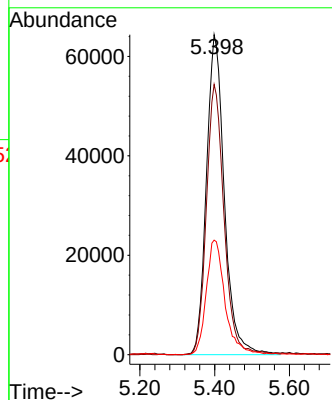
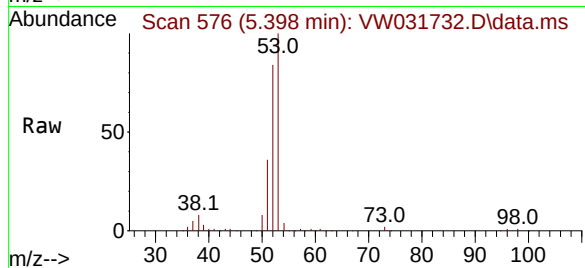
51 37.4 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 228.296 ug/l

RT: 4.155 min Scan# 372

Delta R.T. 0.000 min

Lab File: VW031732.D

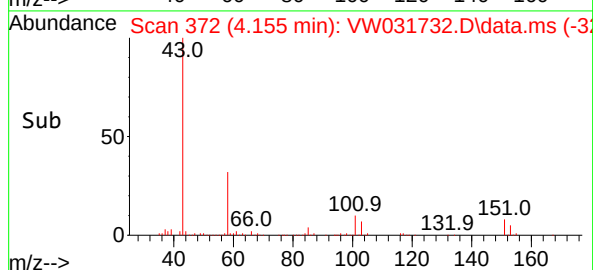
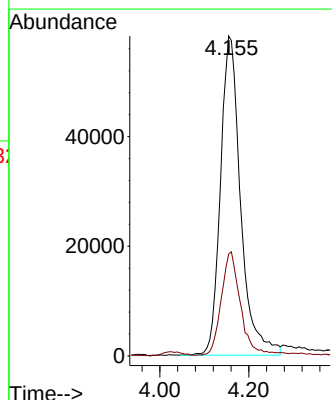
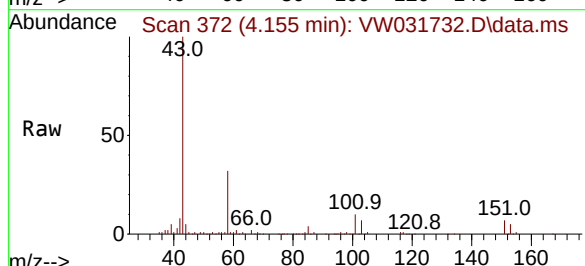
Acq: 30 Jun 2025 11:21

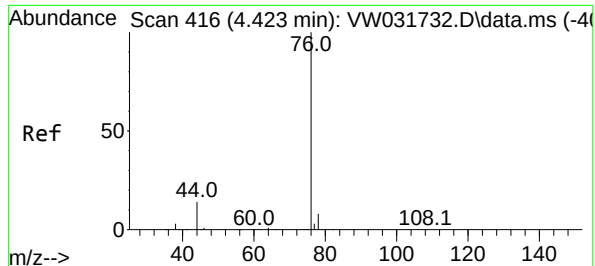
Tgt Ion: 43 Resp: 182890

Ion Ratio Lower Upper

43 100

58 31.0 24.8 37.2





#17

Carbon Disulfide

Concen: 48.188 ug/l

RT: 4.423 min Scan# 416

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 34486

Ion Ratio Lower Upper

76 100

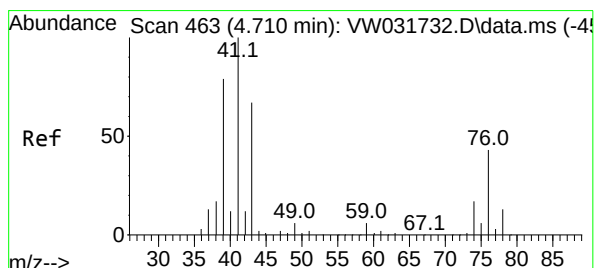
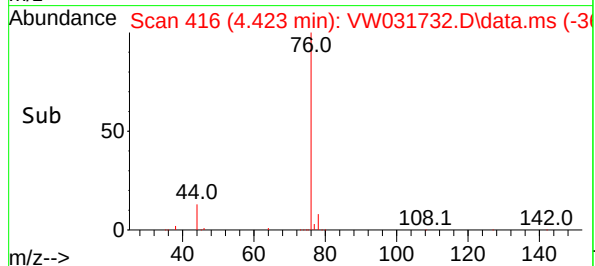
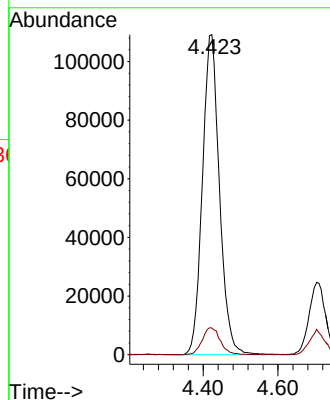
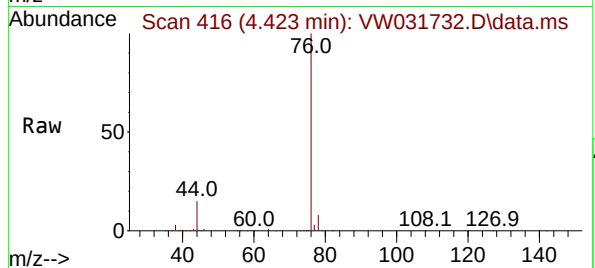
78 8.3 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#18

Methyl Acetate

Concen: 52.118 ug/l

RT: 4.710 min Scan# 463

Delta R.T. 0.000 min

Lab File: VW031732.D

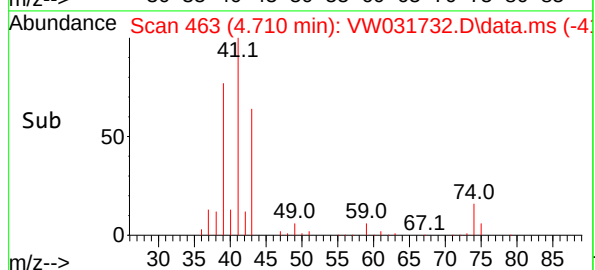
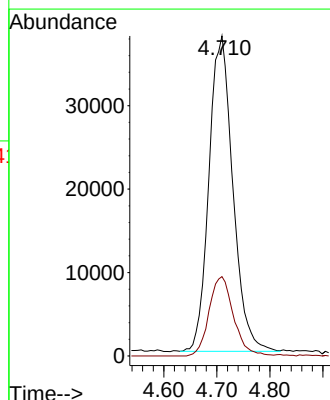
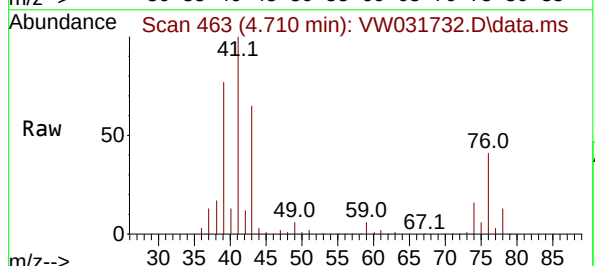
Acq: 30 Jun 2025 11:21

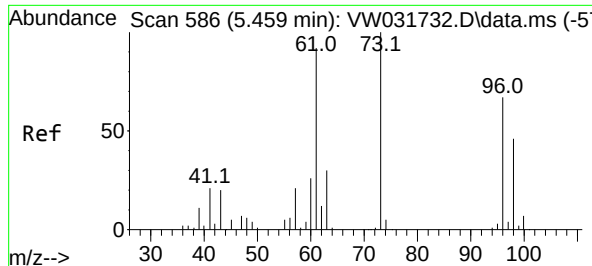
Tgt Ion: 43 Resp: 118590

Ion Ratio Lower Upper

43 100

74 25.7 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 51.082 ug/l

RT: 5.459 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 231884

Ion Ratio Lower Upper

73 100

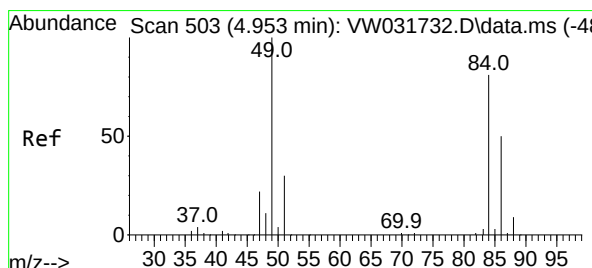
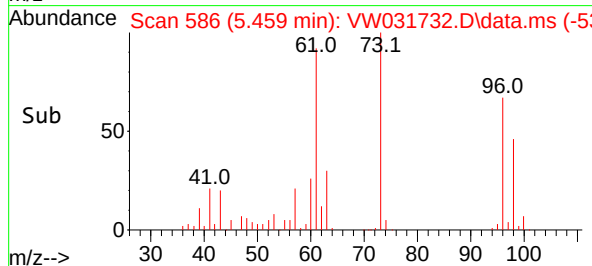
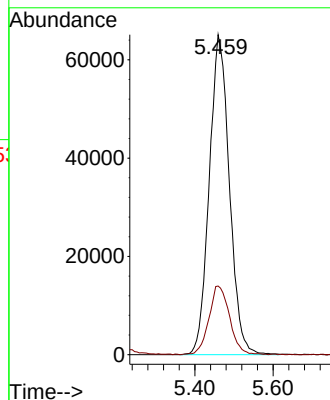
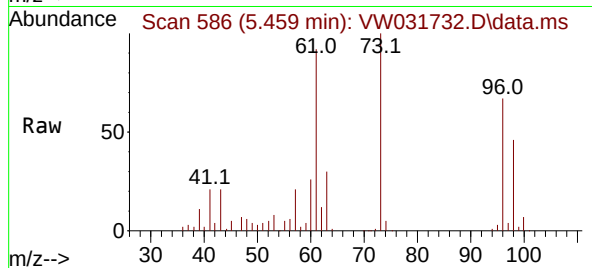
57 21.5 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 48.806 ug/l

RT: 4.953 min Scan# 503

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion: 84 Resp: 155350

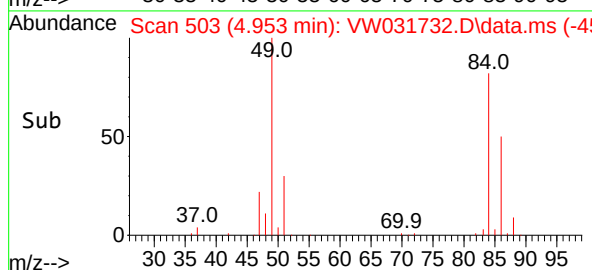
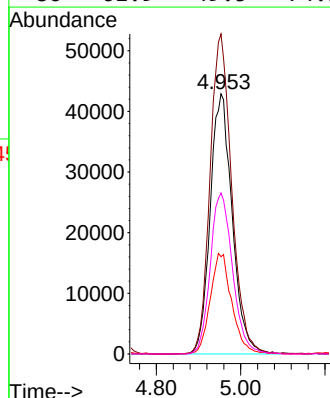
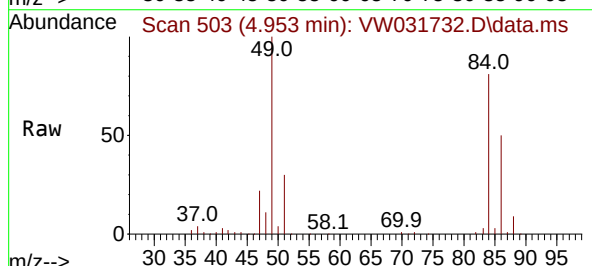
Ion Ratio Lower Upper

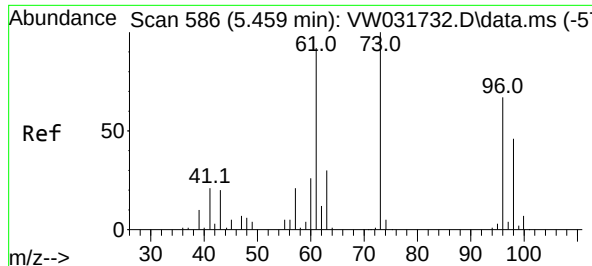
84 100

49 122.8 98.2 147.4

51 37.3 29.8 44.8

86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.382 ug/l

RT: 5.459 min Scan# 586

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 13749

Ion Ratio Lower Upper

96 100

61 137.2 109.8 164.6

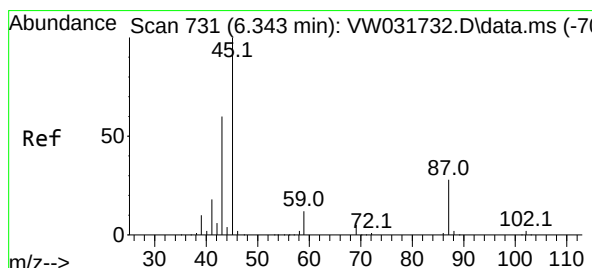
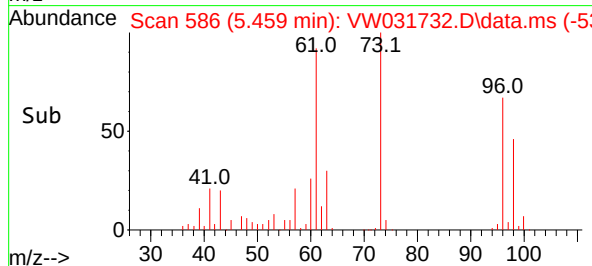
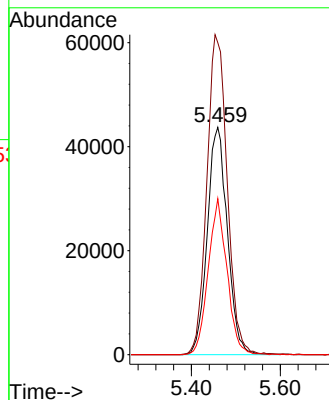
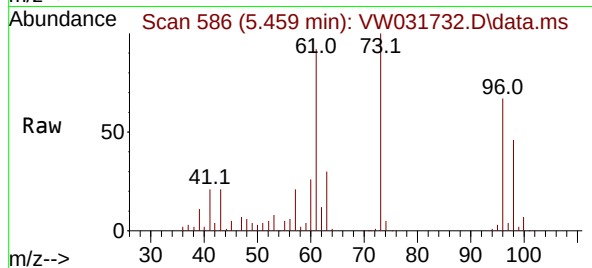
98 68.6 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 50.335 ug/l

RT: 6.343 min Scan# 731

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion: 45 Resp: 402830

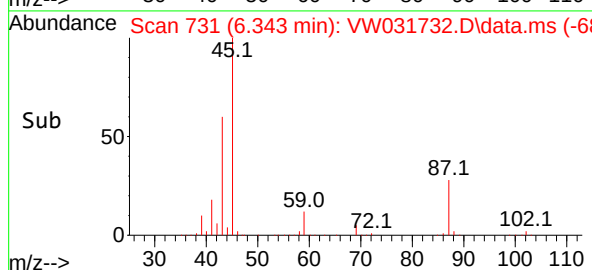
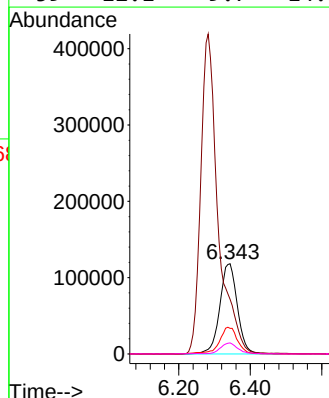
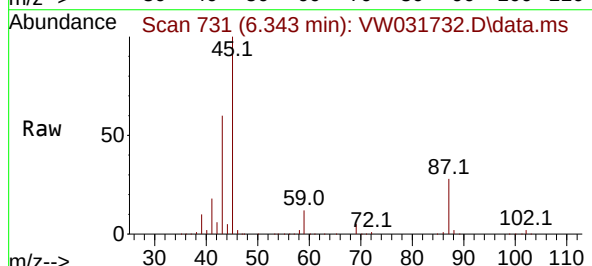
Ion Ratio Lower Upper

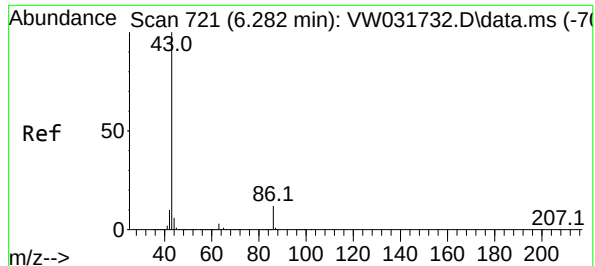
45 100

43 60.4 48.3 72.5

87 28.3 22.6 34.0

59 12.1 9.7 14.5





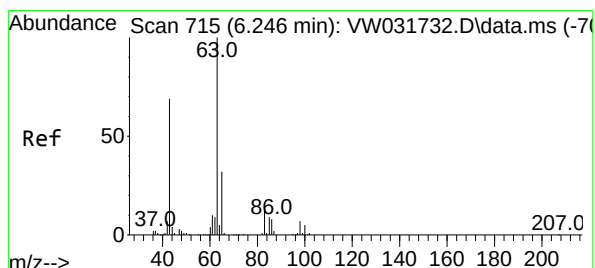
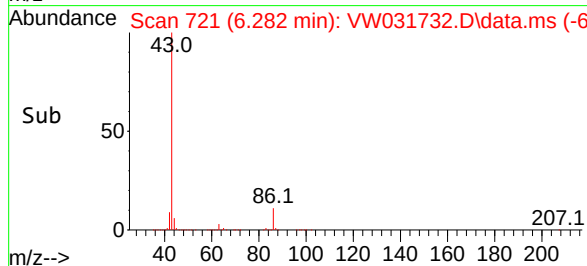
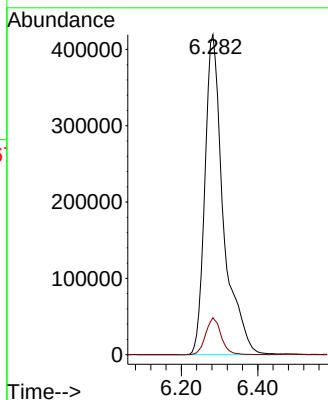
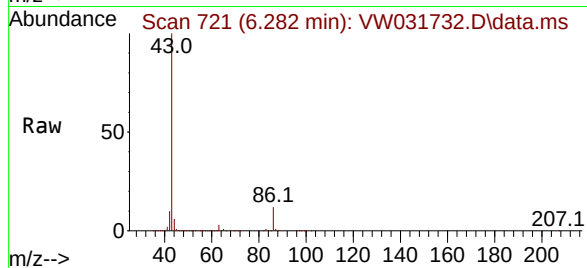
#23
Vinyl Acetate
Concen: 257.896 ug/l
RT: 6.282 min Scan# 721
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 140976
Ion Ratio Lower Upper
43 100
86 11.5 9.2 13.8

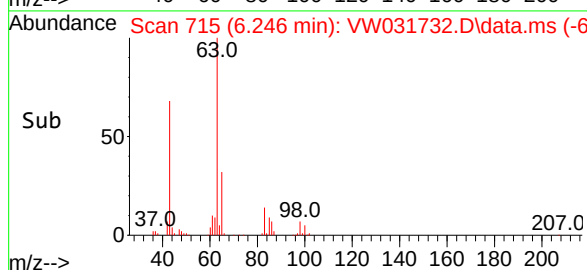
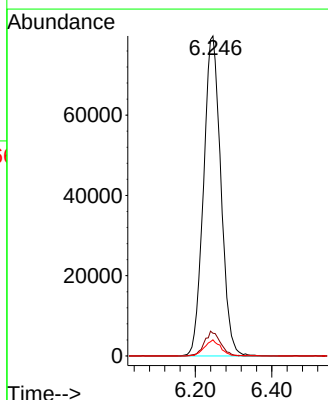
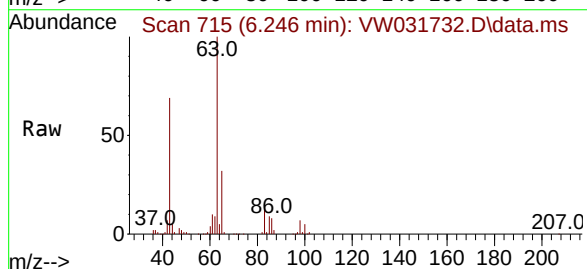
Manual Integrations
APPROVED

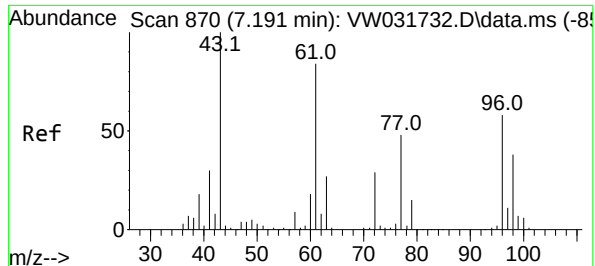
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#24
1,1-Dichloroethane
Concen: 48.257 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 250386
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 5.0 2.5 7.5





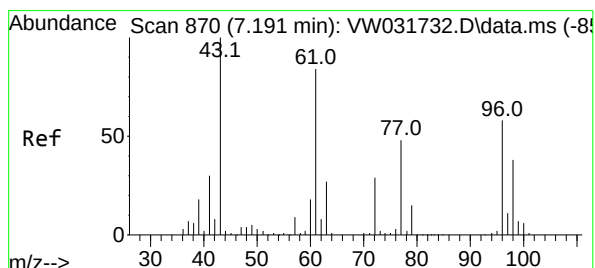
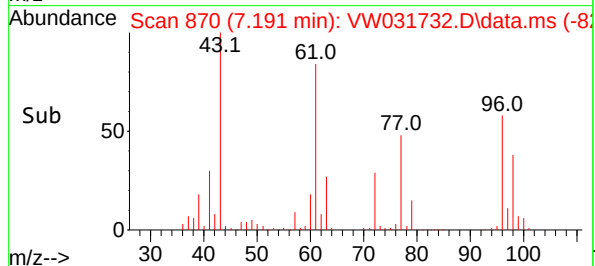
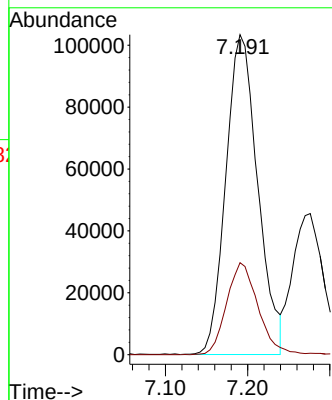
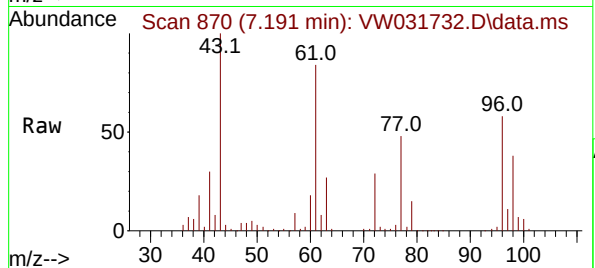
#25
2-Butanone
Concen: 269.438 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 27908
Ion Ratio Lower Upper
43 100
72 28.8 23.0 34.6

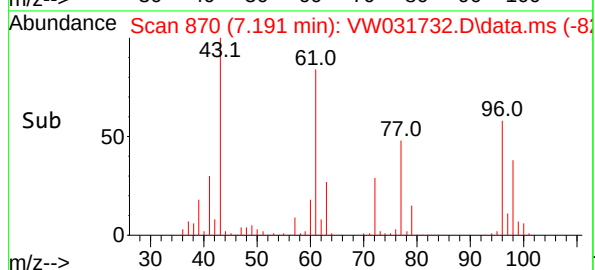
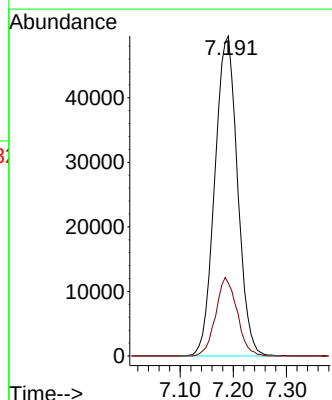
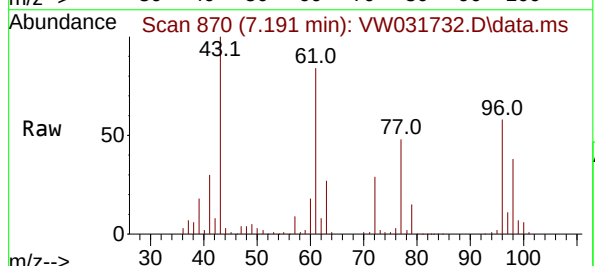
Manual Integrations
APPROVED

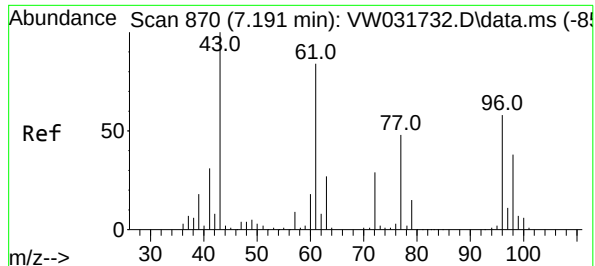
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#26
2,2-Dichloropropane
Concen: 48.691 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 77 Resp: 147400
Ion Ratio Lower Upper
77 100
97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 49.190 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 160684

Ion Ratio Lower Upper

96 100

61 143.4 0.0 286.8

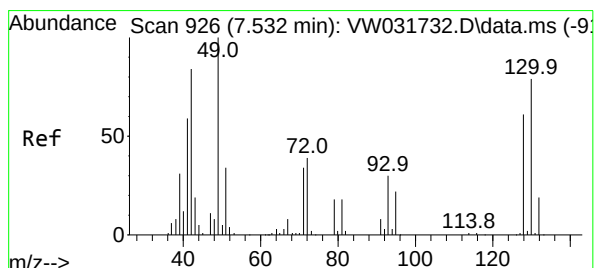
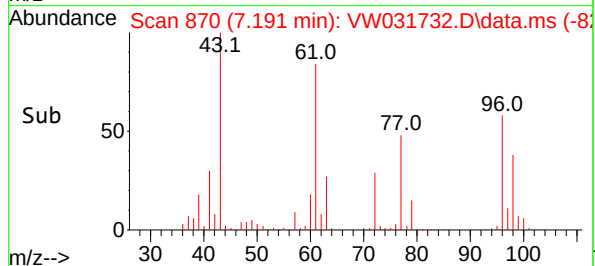
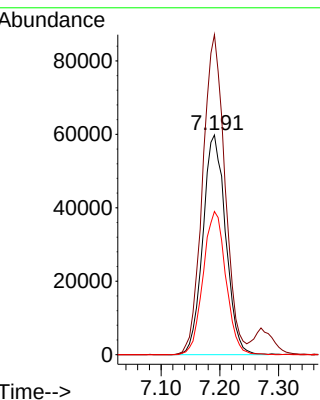
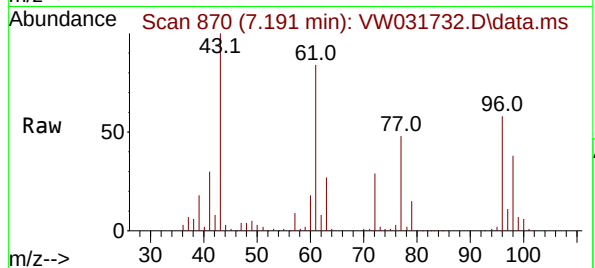
98 65.2 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 49.435 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

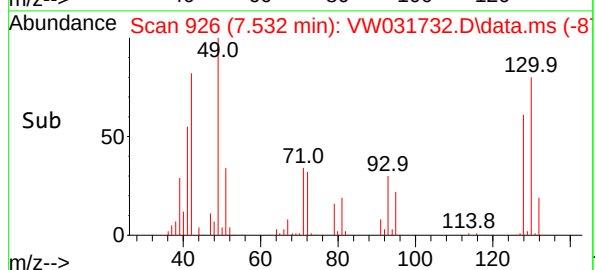
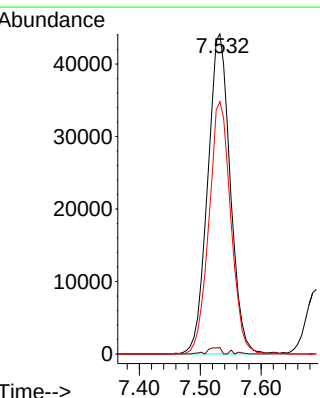
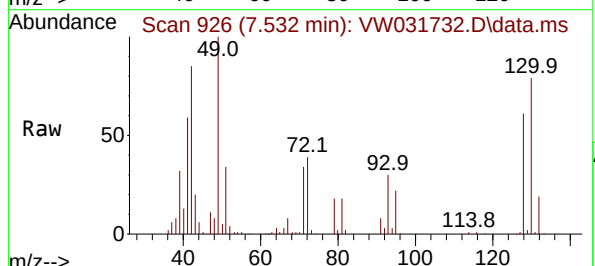
Tgt Ion: 49 Resp: 113190

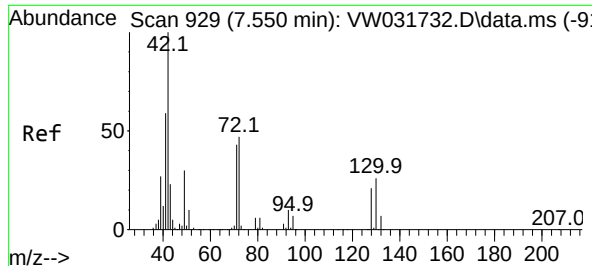
Ion Ratio Lower Upper

49 100

129 1.2 0.0 2.4

130 76.6 61.3 91.9





#29

Tetrahydrofuran

Concen: 265.287 ug/l

RT: 7.550 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 188178

Ion Ratio Lower Upper

42 100

72 46.0 36.8 55.2

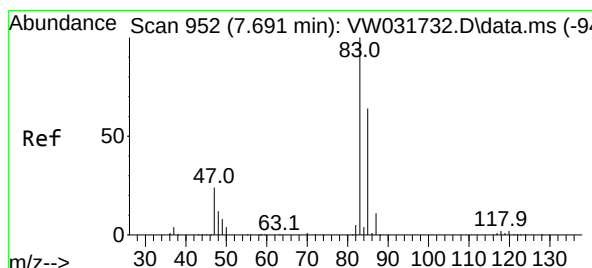
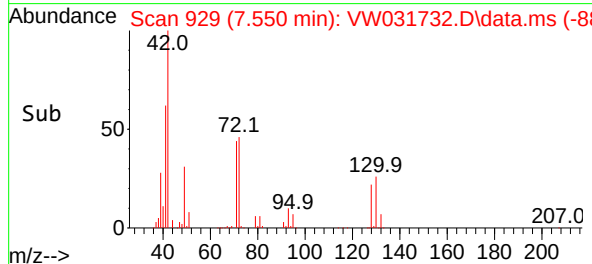
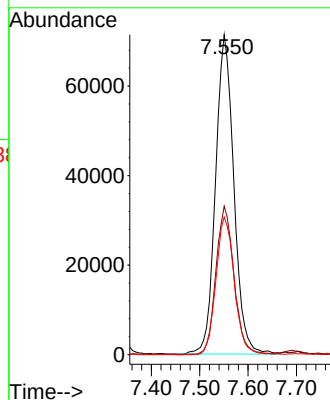
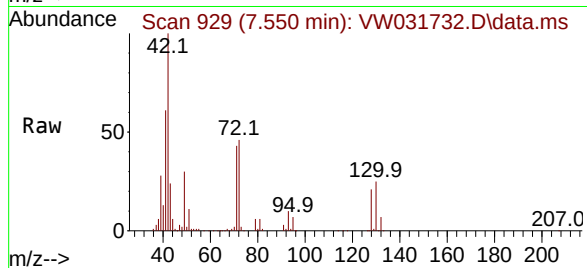
71 43.3 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 49.023 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031732.D

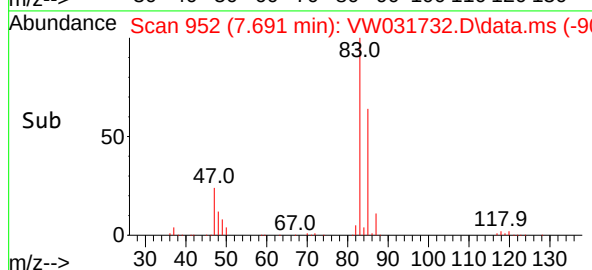
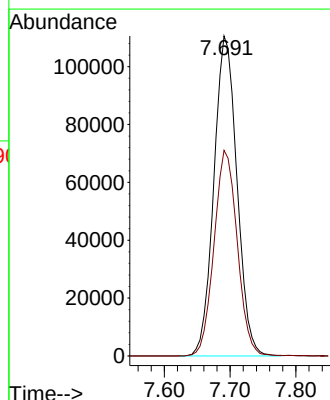
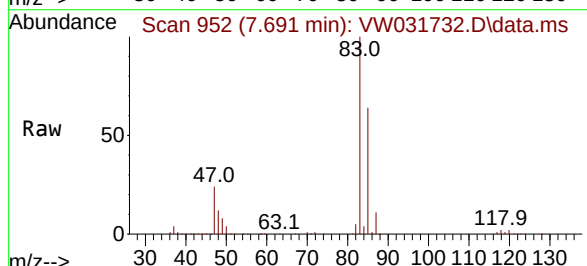
Acq: 30 Jun 2025 11:21

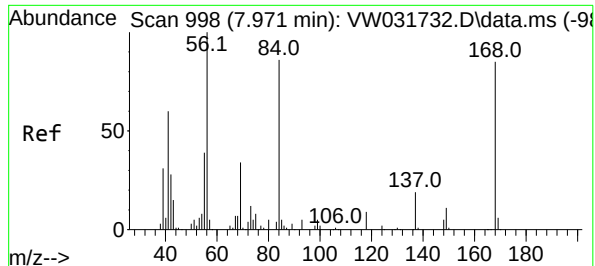
Tgt Ion: 83 Resp: 270281

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0





#31

Cyclohexane

Concen: 45.861 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 21033

Ion Ratio Lower Upper

56 100

69 34.0 27.2 40.8

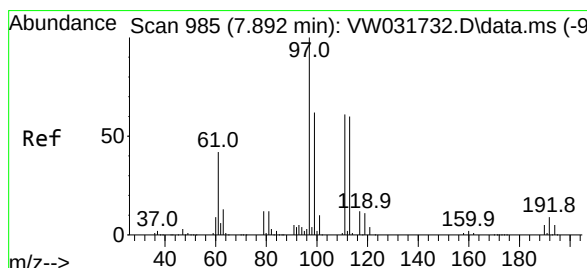
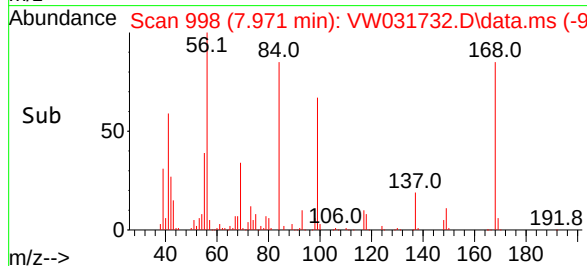
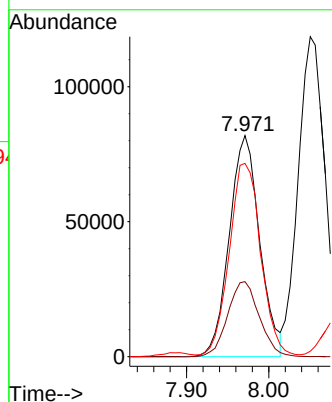
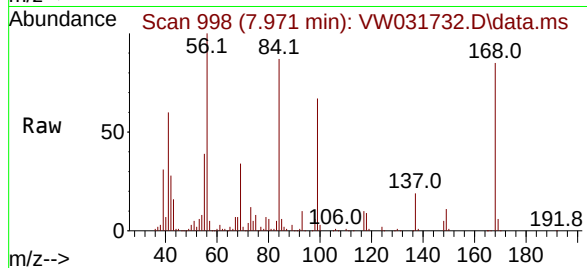
84 85.6 68.5 102.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#32

1,1,1-Trichloroethane

Concen: 48.890 ug/l

RT: 7.892 min Scan# 985

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

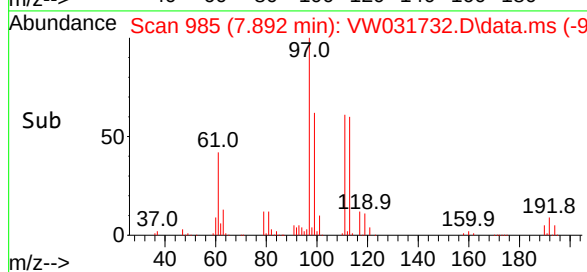
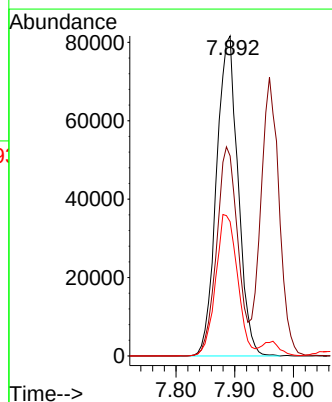
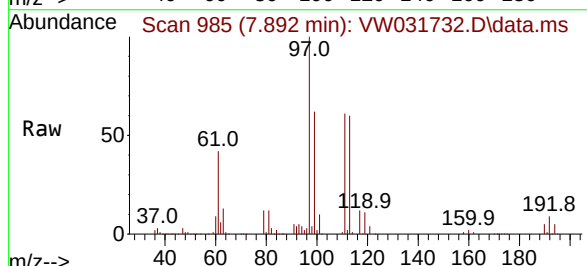
Tgt Ion: 97 Resp: 207721

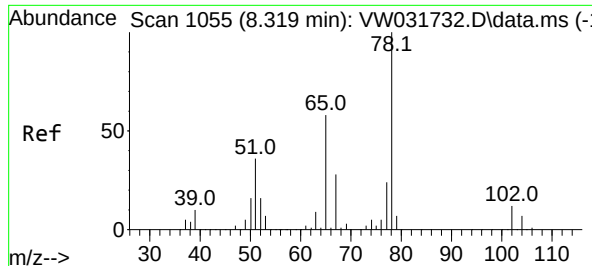
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.0 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 49.813 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 160450

Ion Ratio Lower Upper

65 100

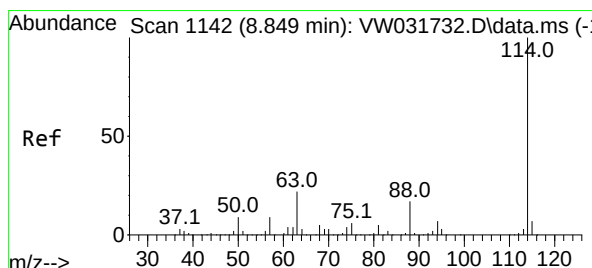
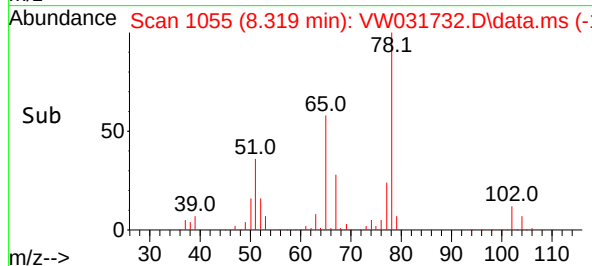
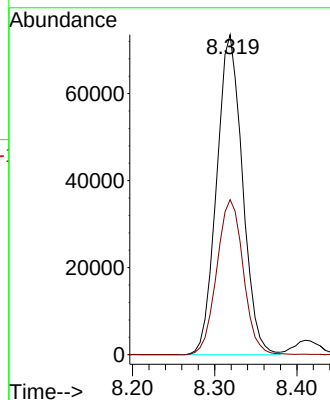
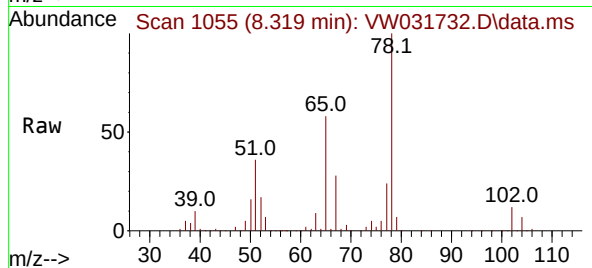
67 49.7 0.0 99.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

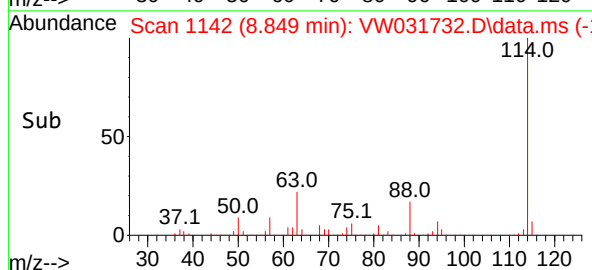
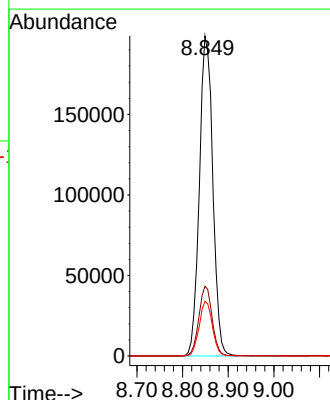
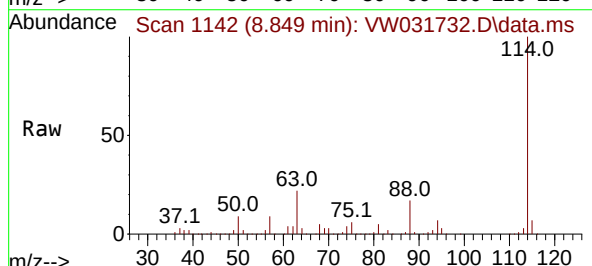
Tgt Ion:114 Resp: 404902

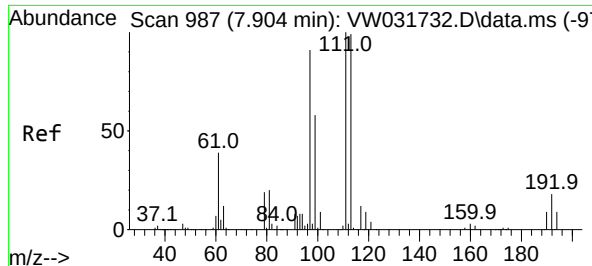
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.622 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

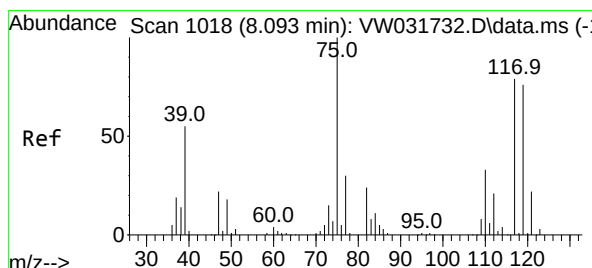
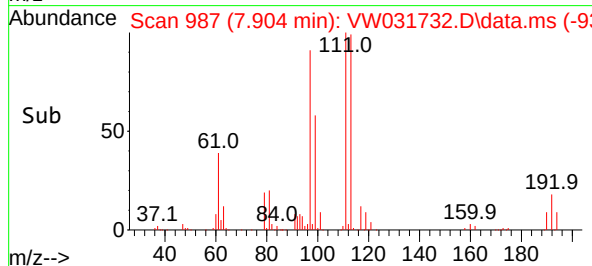
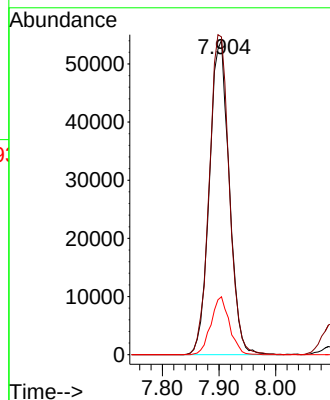
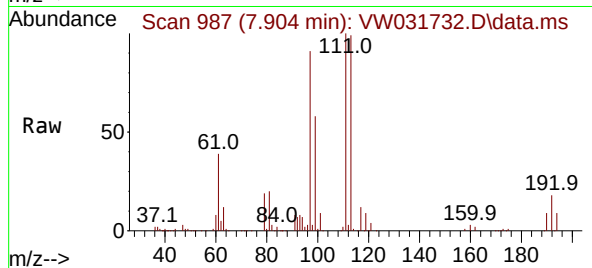
ClientSampleId :

VSTDICCC050

Tgt Ion:113	Resp: 131109
Ion Ratio	Lower Upper
113	100
111	102.6 82.1 123.1
192	17.2 13.8 20.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 48.296 ug/l

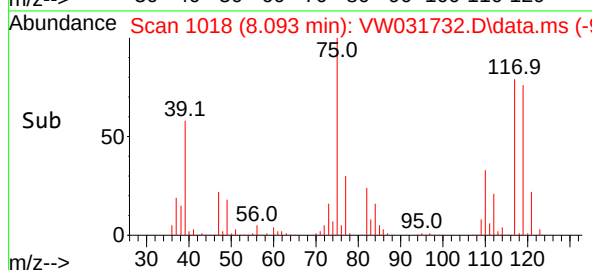
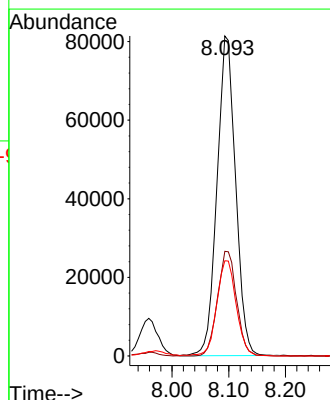
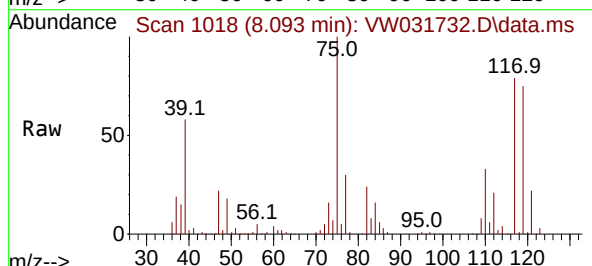
RT: 8.093 min Scan# 1018

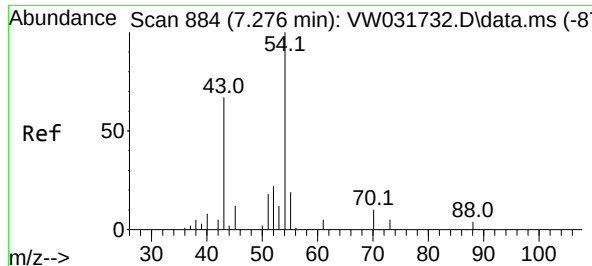
Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion: 75	Resp: 184651
Ion Ratio	Lower Upper
75	100
110	33.6 16.8 50.4
77	31.3 25.0 37.6





#37

Ethyl Acetate

Concen: 50.805 ug/l

RT: 7.276 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

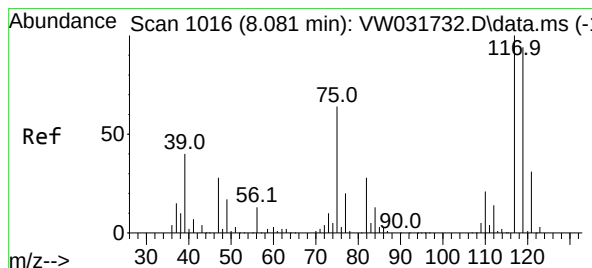
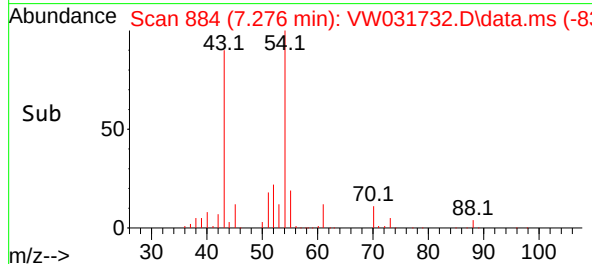
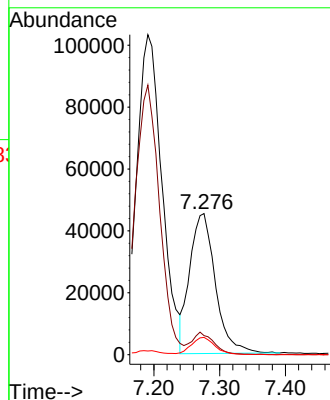
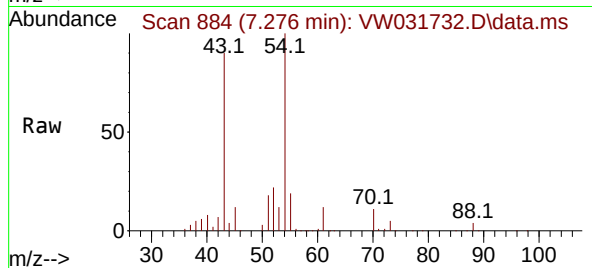
ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 122534
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 11.5 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 47.949 ug/l

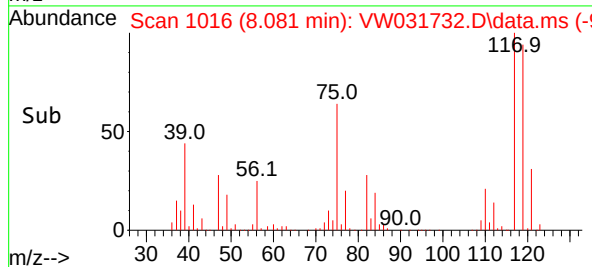
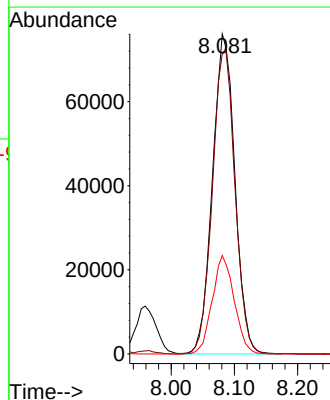
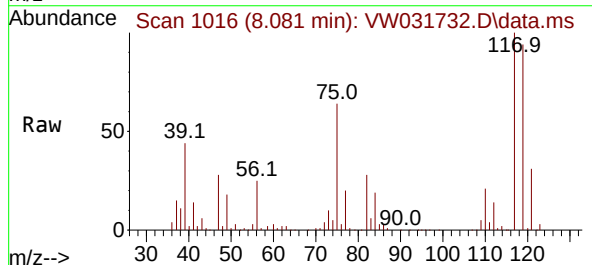
RT: 8.081 min Scan# 1016

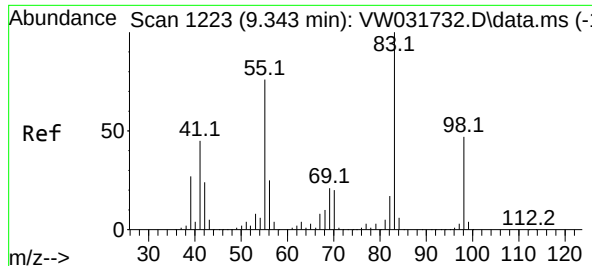
Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 186814
Ion Ratio Lower Upper
117 100
119 93.8 75.0 112.6
121 30.8 24.6 37.0





#39

Methylcyclohexane

Concen: 48.175 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 229164

Ion Ratio Lower Upper

83 100

55 76.2 61.0 91.4

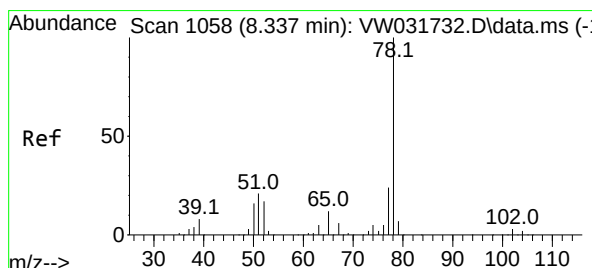
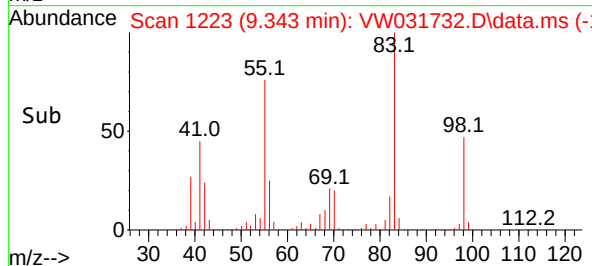
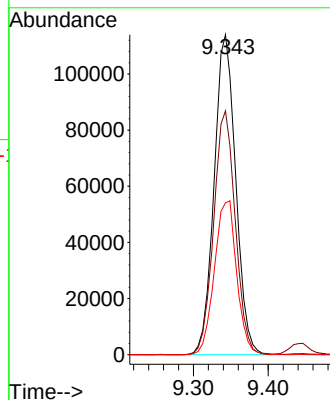
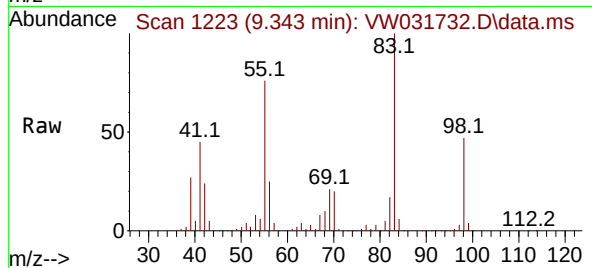
98 47.4 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 49.213 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031732.D

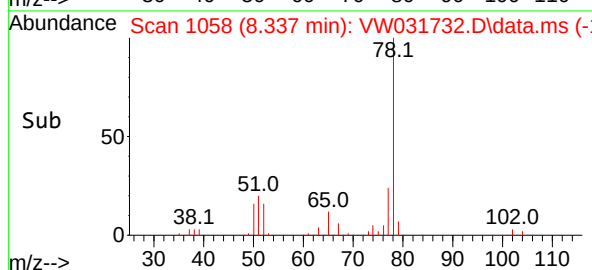
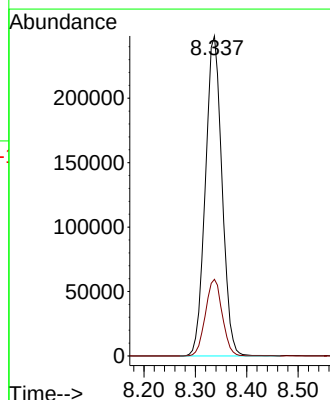
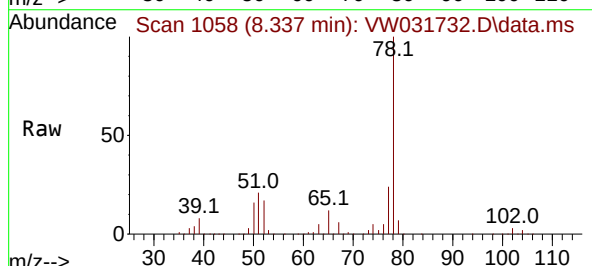
Acq: 30 Jun 2025 11:21

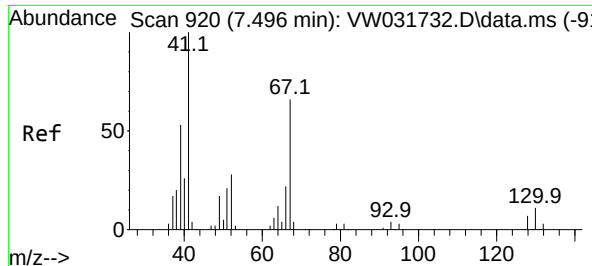
Tgt Ion: 78 Resp: 556688

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8





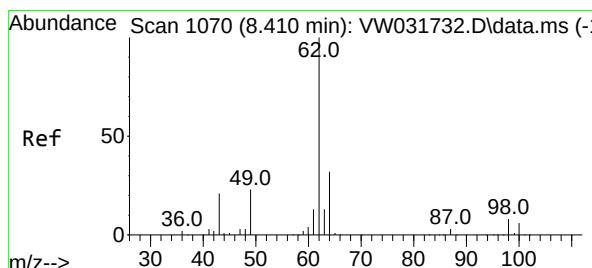
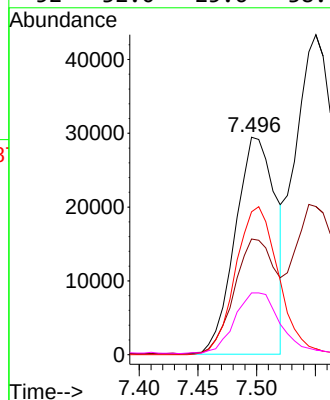
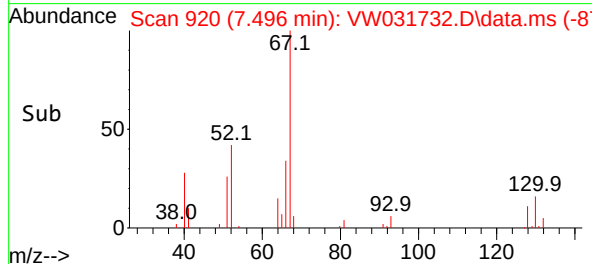
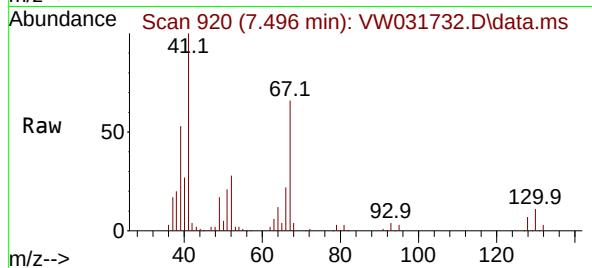
#41
Methacrylonitrile
Concen: 54.633 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 7058
Ion Ratio Lower Upper
41 100
39 54.0 43.2 64.8
67 72.6 58.1 87.1
52 32.0 25.6 38.4

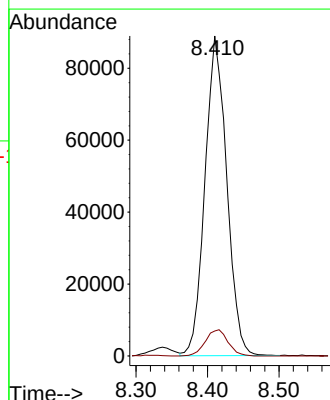
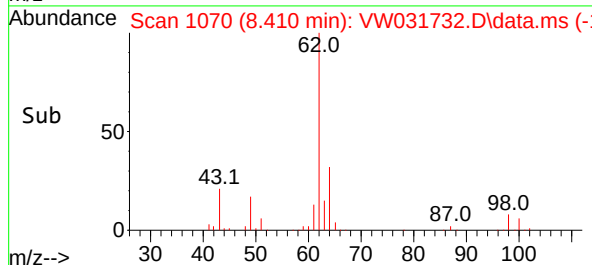
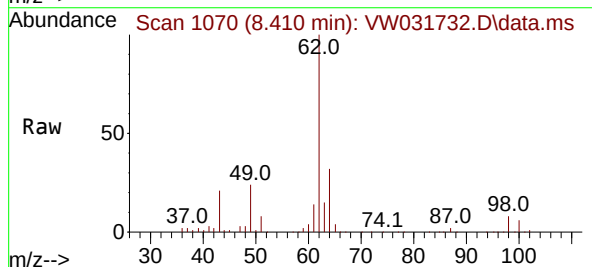
Manual Integrations
APPROVED

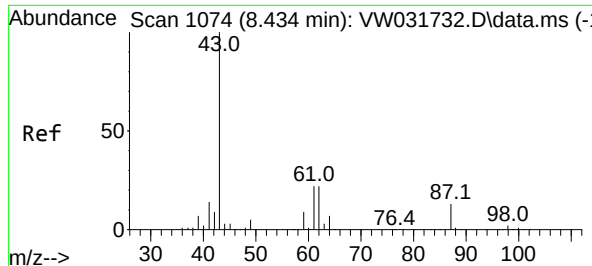
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 49.111 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 62 Resp: 187709
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 52.141 ug/l

RT: 8.434 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 21677

Ion Ratio Lower Upper

43 100

61 28.9 23.1 34.7

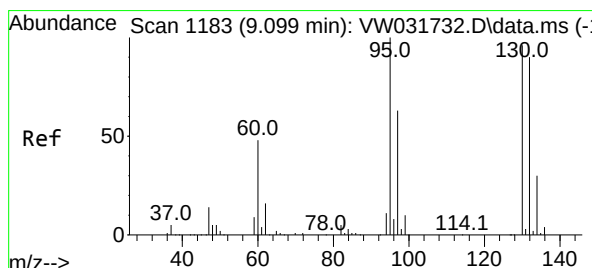
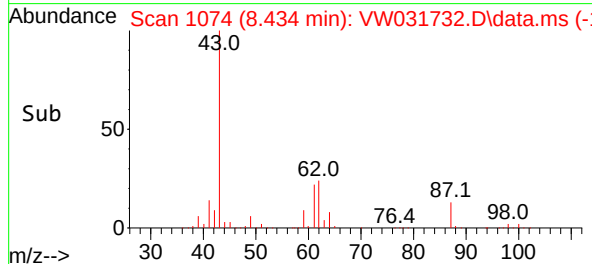
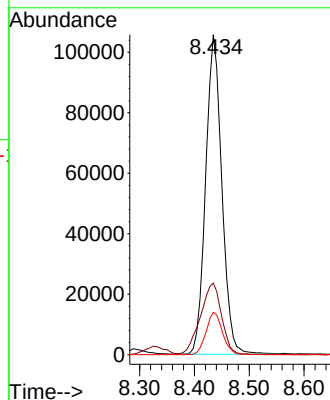
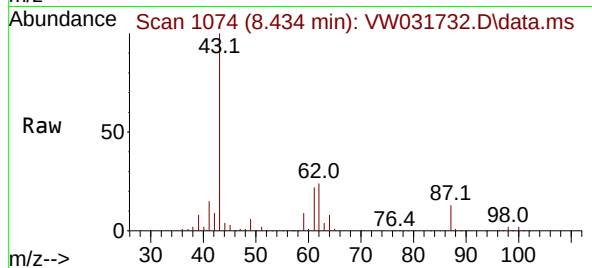
87 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 49.275 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. 0.000 min

Lab File: VW031732.D

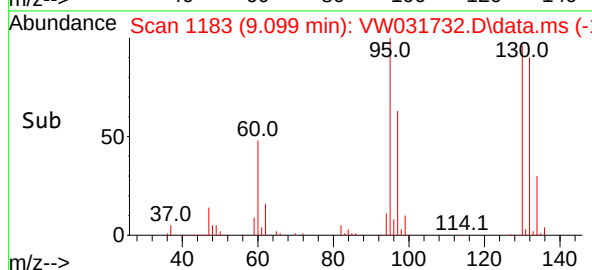
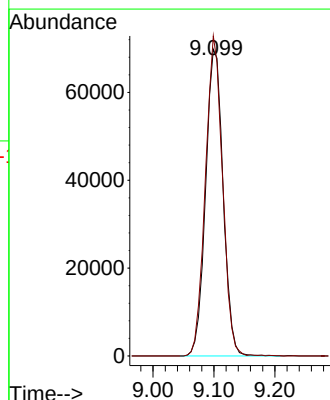
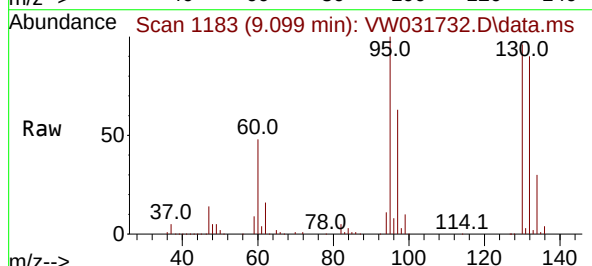
Acq: 30 Jun 2025 11:21

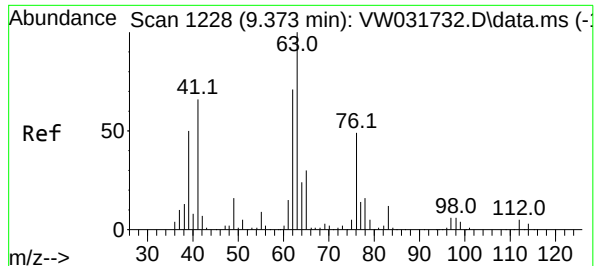
Tgt Ion:130 Resp: 139117

Ion Ratio Lower Upper

130 100

95 104.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 49.040 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 134070

Ion Ratio Lower Upper

63 100

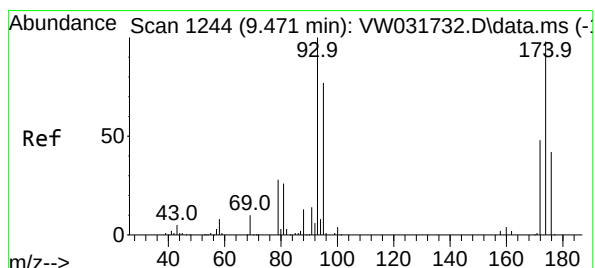
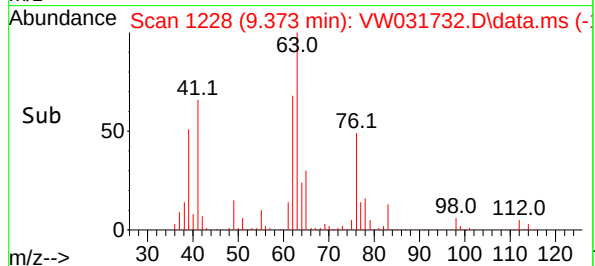
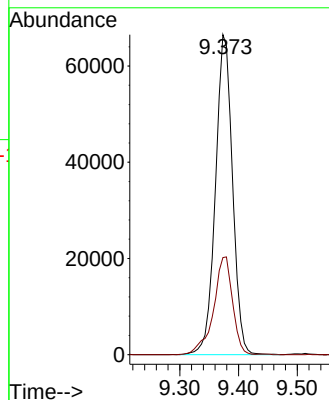
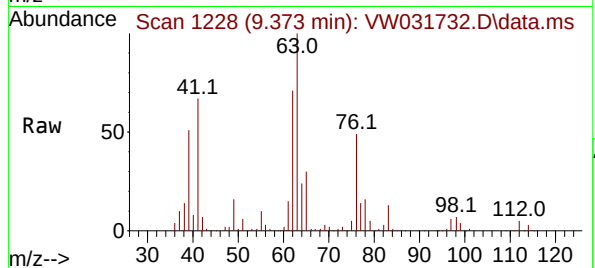
65 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 50.266 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

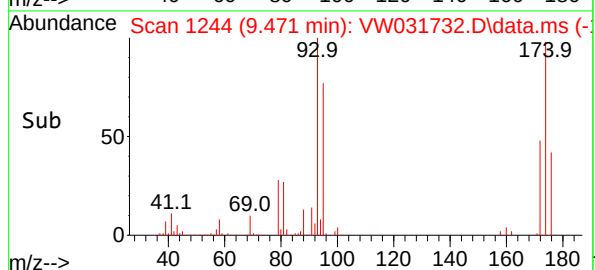
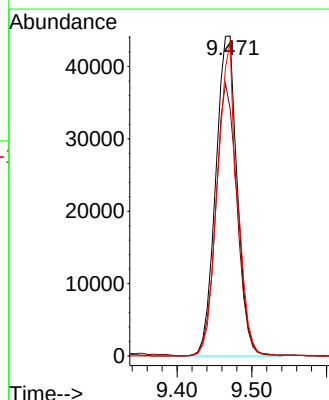
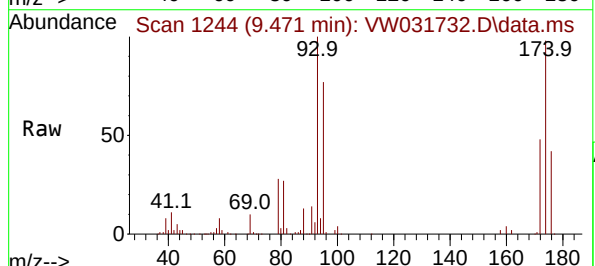
Tgt Ion: 93 Resp: 88721

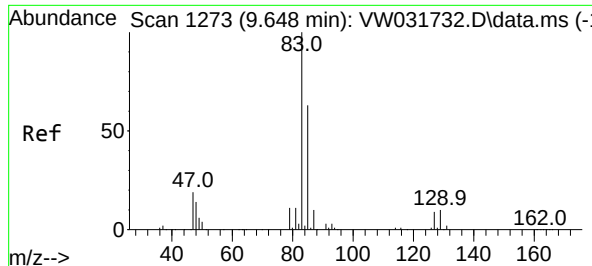
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 89.6 71.7 107.5





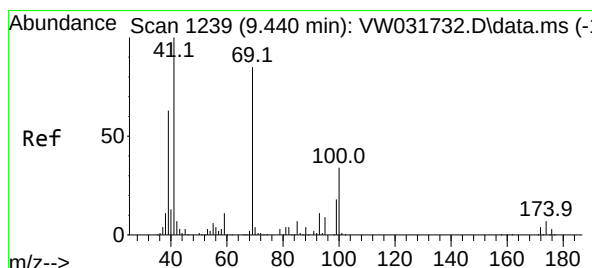
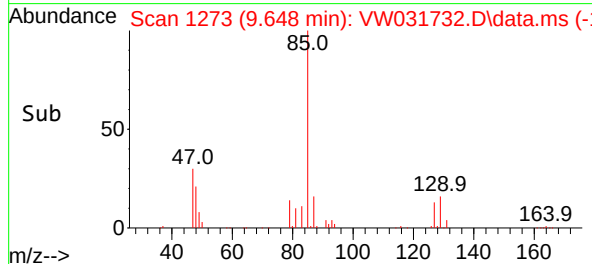
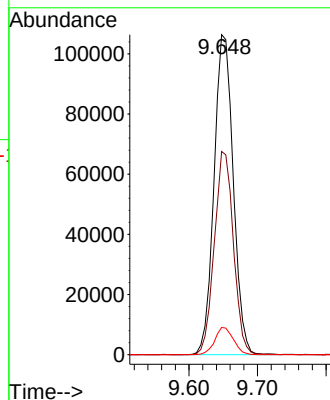
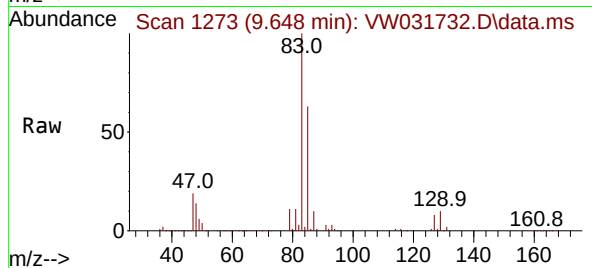
#47
Bromodichloromethane
Concen: 50.013 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 207000
Ion Ratio Lower Upper
83 100
85 63.5 50.8 76.2
127 8.5 6.8 10.2

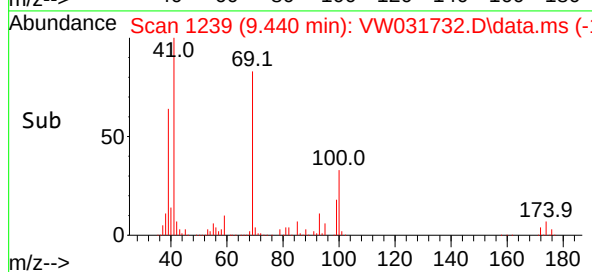
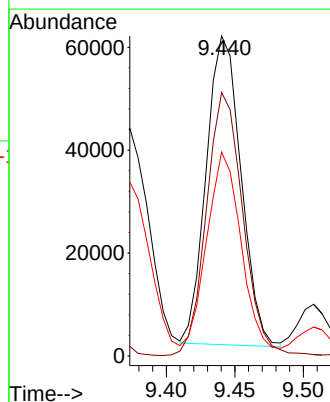
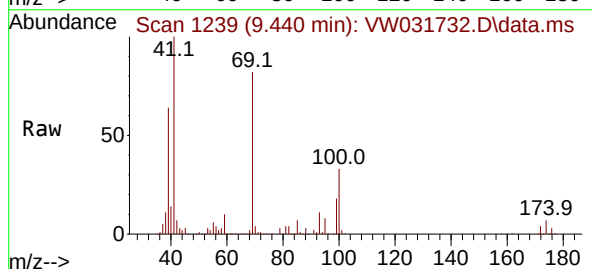
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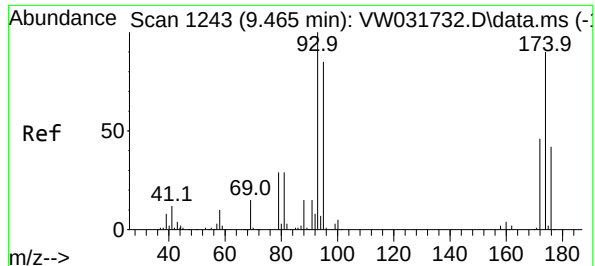
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#48
Methyl methacrylate
Concen: 51.725 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 105740
Ion Ratio Lower Upper
41 100
69 89.5 71.6 107.4
39 61.9 49.5 74.3





#49

1,4-Dioxane

Concen: 1100.195 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 2067

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

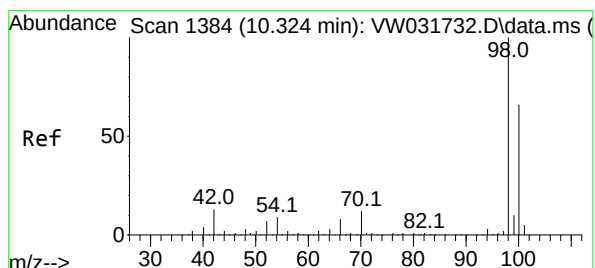
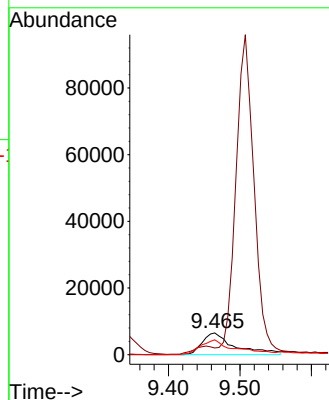
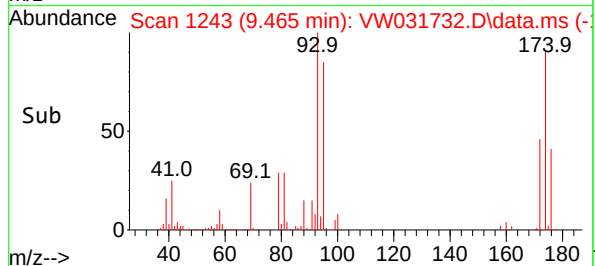
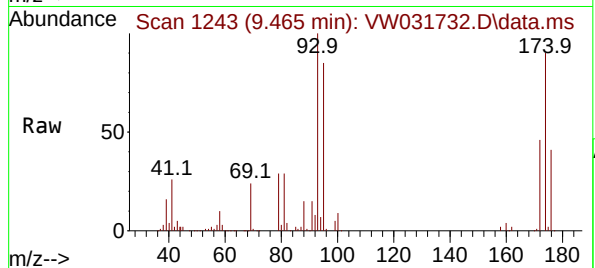
58 72.9 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 49.762 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031732.D

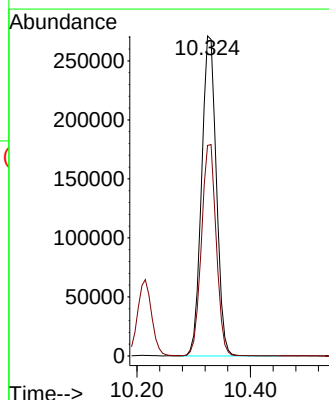
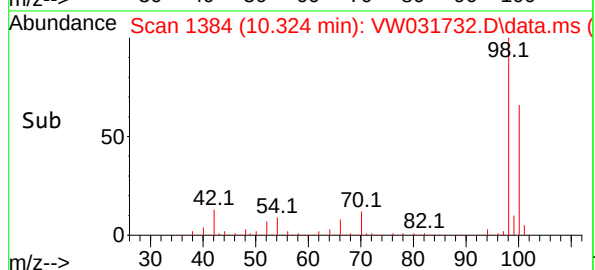
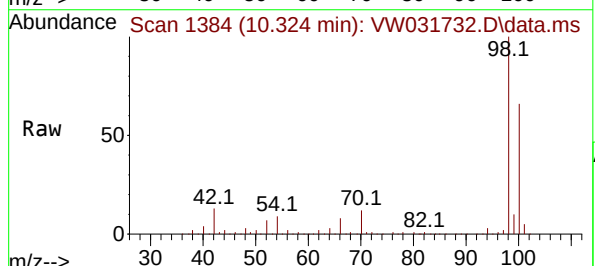
Acq: 30 Jun 2025 11:21

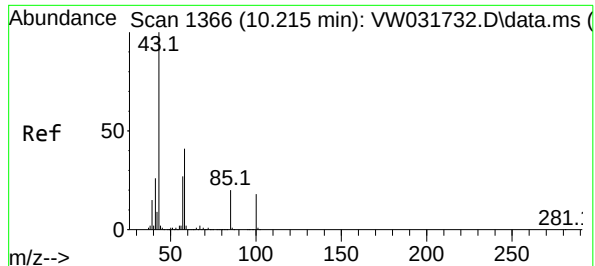
Tgt Ion: 98 Resp: 489286

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4





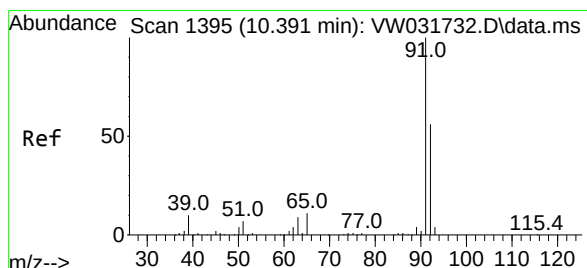
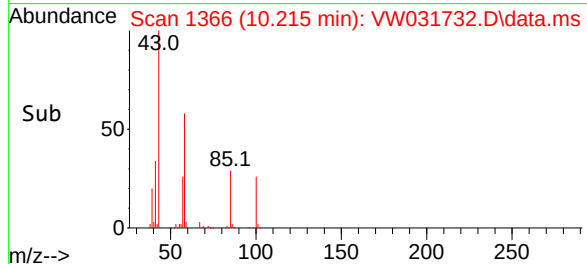
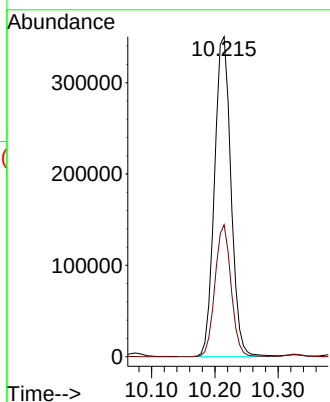
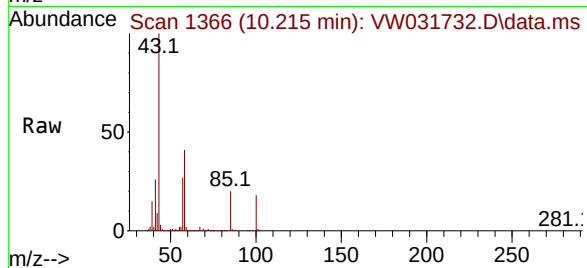
#51
4-Methyl-2-Pentanone
Concen: 264.876 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 63310
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.2

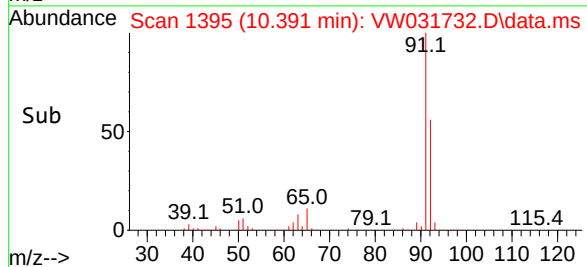
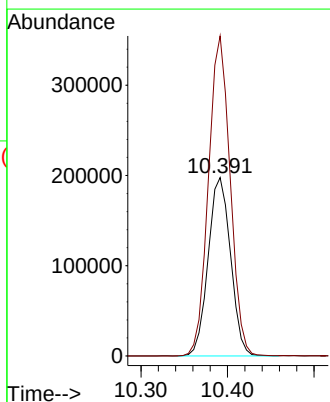
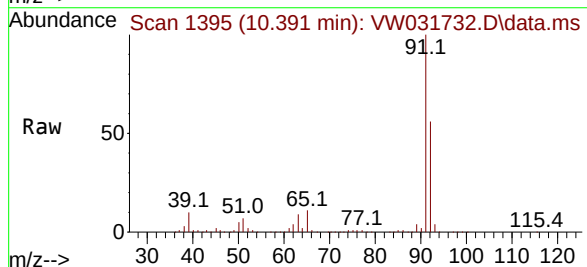
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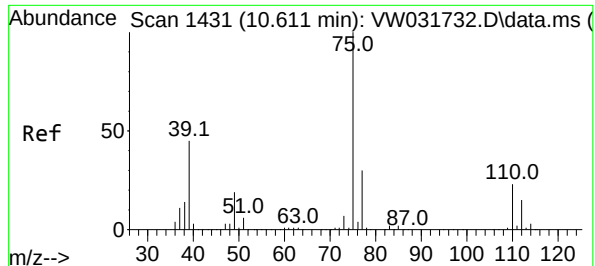
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 48.965 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 92 Resp: 354627
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.763 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 201014

Ion Ratio Lower Upper

75 100

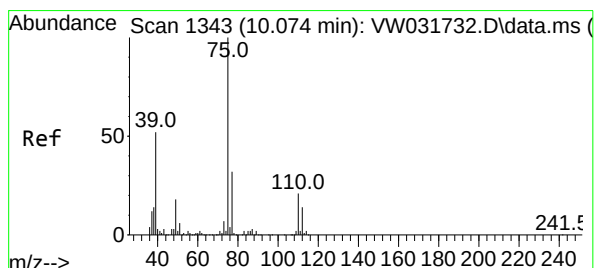
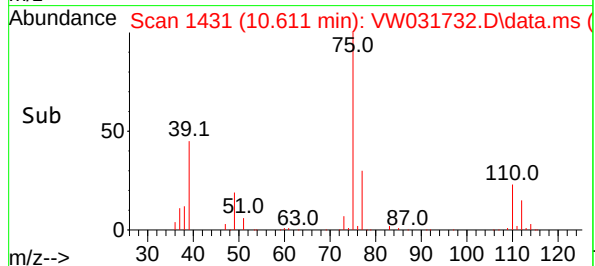
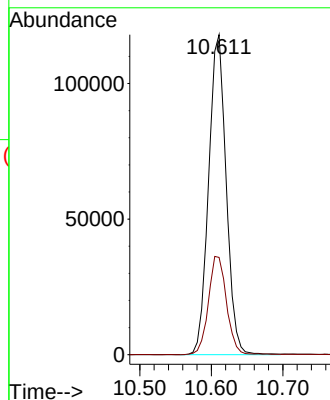
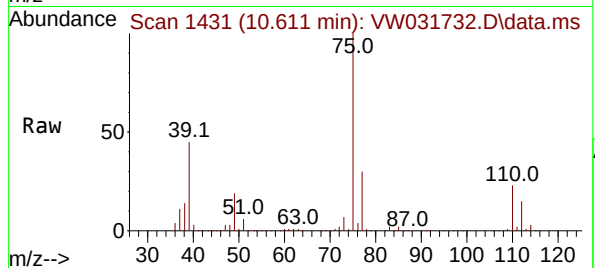
77 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#54

cis-1,3-Dichloropropene

Concen: 50.493 ug/l

RT: 10.074 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

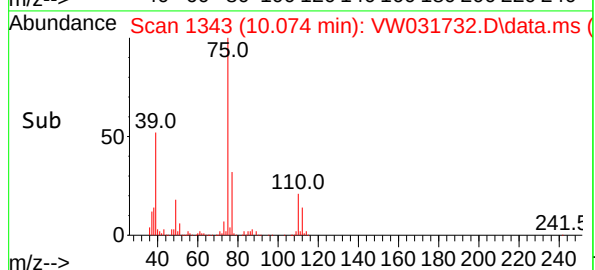
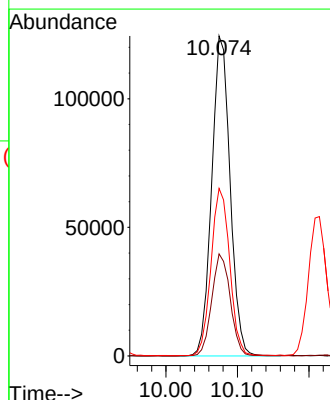
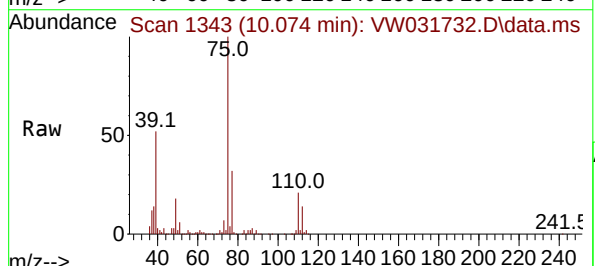
Tgt Ion: 75 Resp: 222288

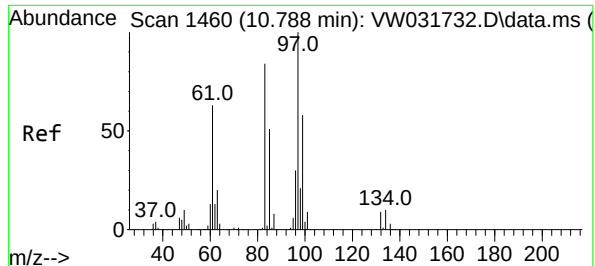
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 52.2 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 49.991 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 115580

Ion Ratio Lower Upper

97 100

83 83.6 66.9 100.3

85 51.4 41.1 61.7

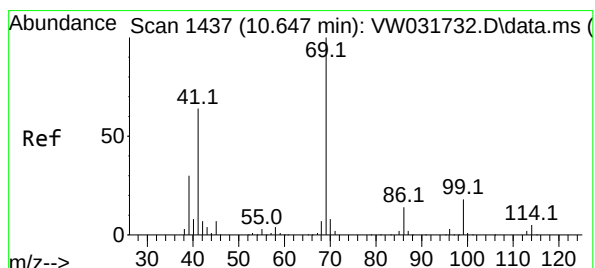
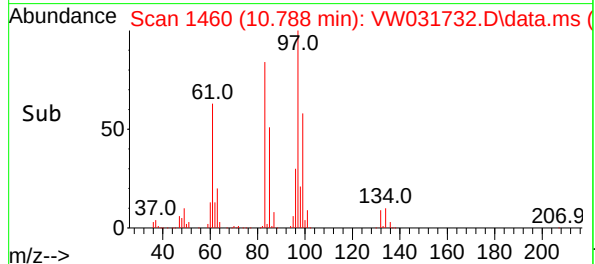
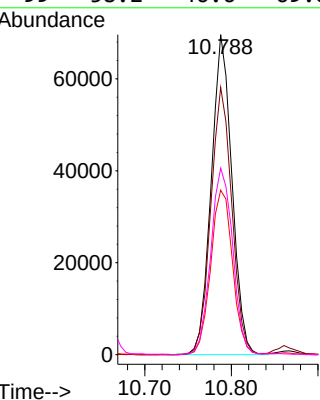
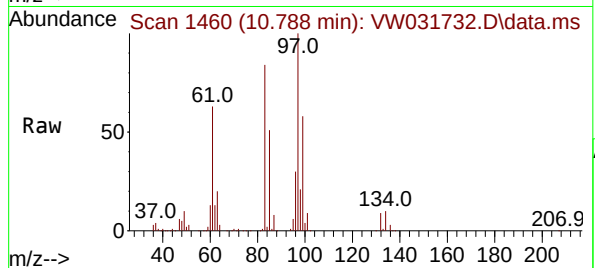
99 58.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 52.971 ug/l

RT: 10.647 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

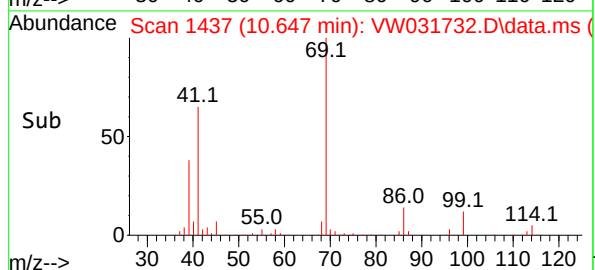
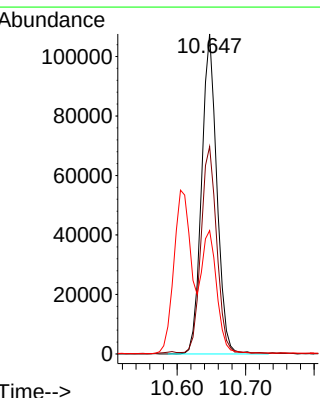
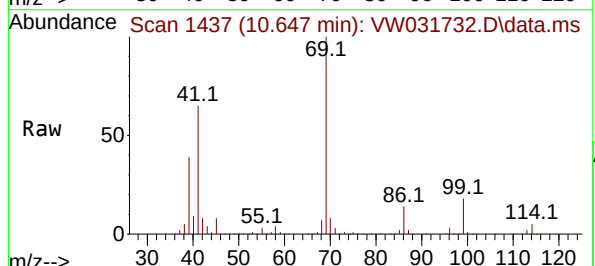
Tgt Ion: 69 Resp: 166152

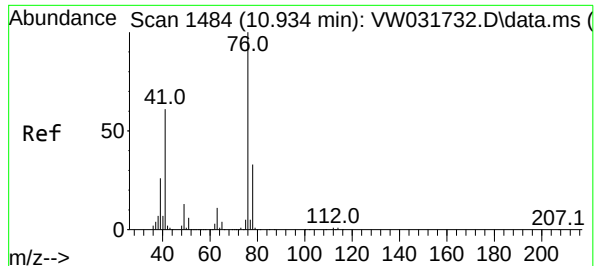
Ion Ratio Lower Upper

69 100

41 66.6 53.3 79.9

39 37.7 30.2 45.2





#57

1,3-Dichloropropane

Concen: 49.013 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 198954

Ion Ratio Lower Upper

76 100

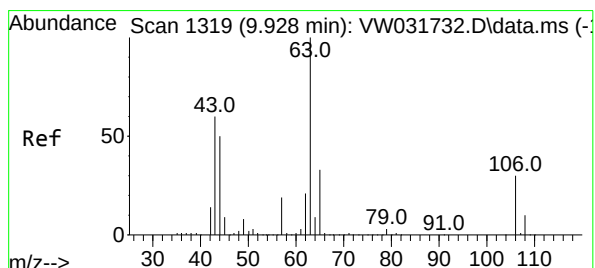
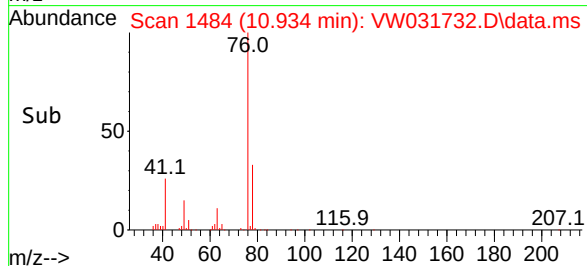
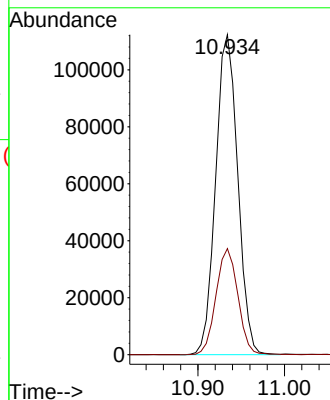
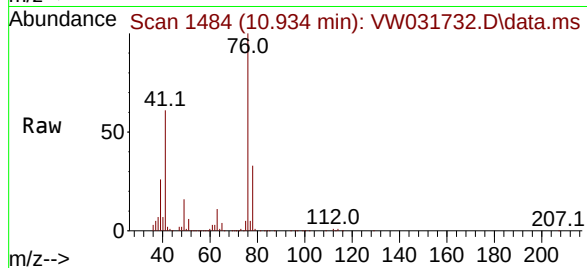
78 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 263.272 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031732.D

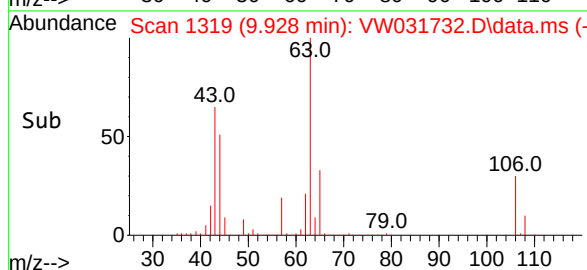
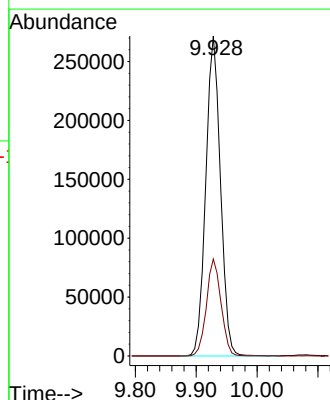
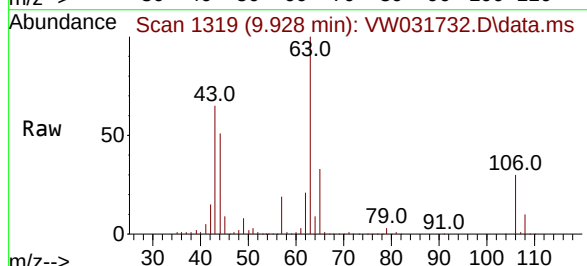
Acq: 30 Jun 2025 11:21

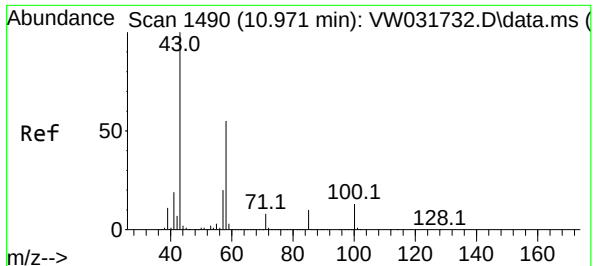
Tgt Ion: 63 Resp: 454721

Ion Ratio Lower Upper

63 100

106 30.1 24.1 36.1





#59

2-Hexanone

Concen: 274.219 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 444148

Ion Ratio Lower Upper

43 100

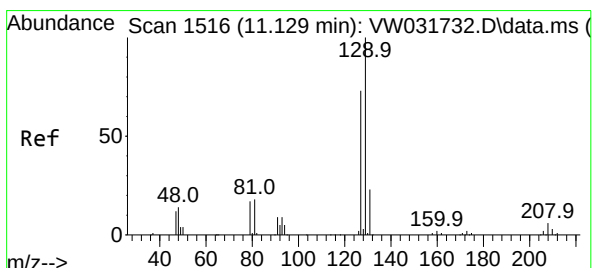
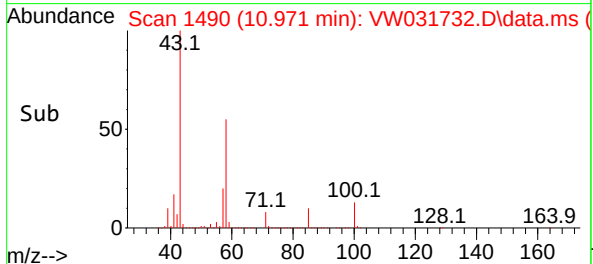
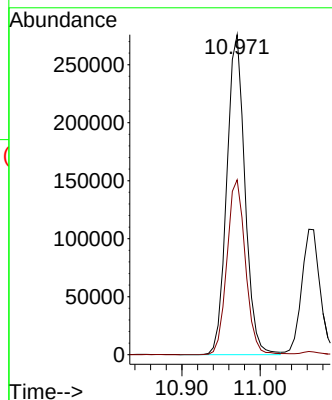
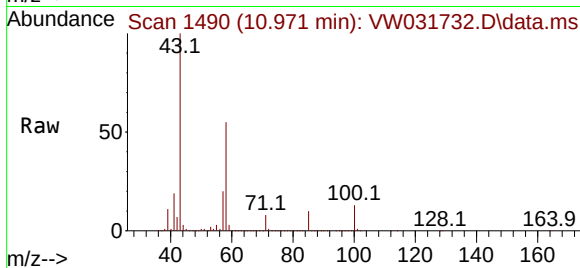
58 55.7 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 51.621 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031732.D

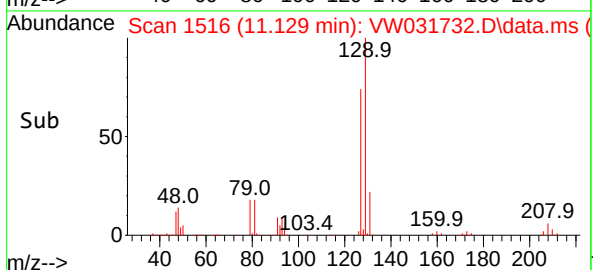
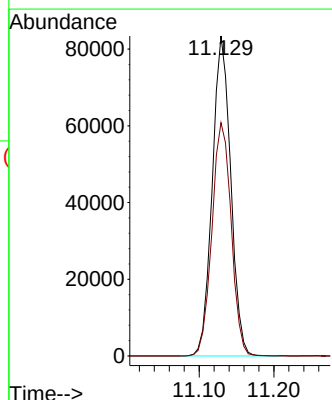
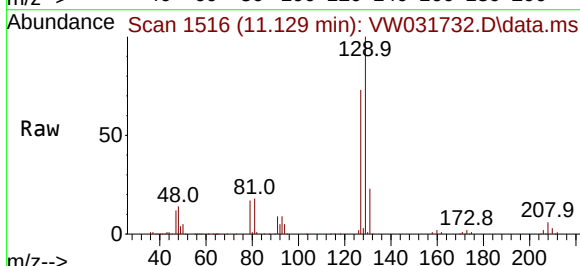
Acq: 30 Jun 2025 11:21

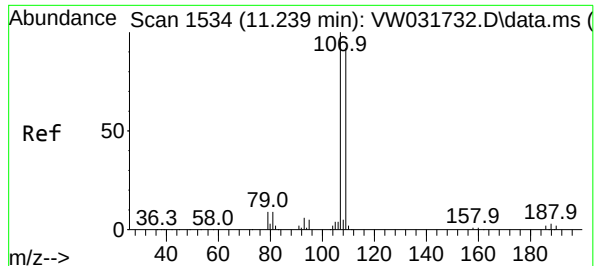
Tgt Ion:129 Resp: 142721

Ion Ratio Lower Upper

129 100

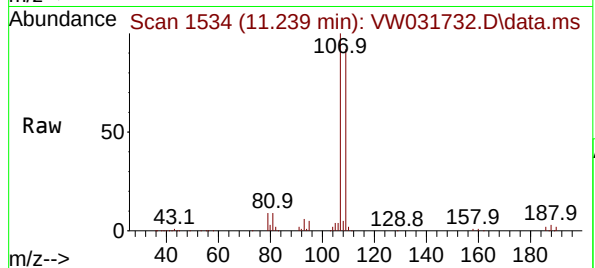
127 76.1 38.0 114.1





#61
1,2-Dibromoethane
Concen: 50.674 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

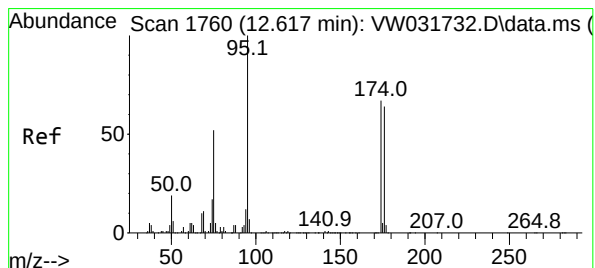
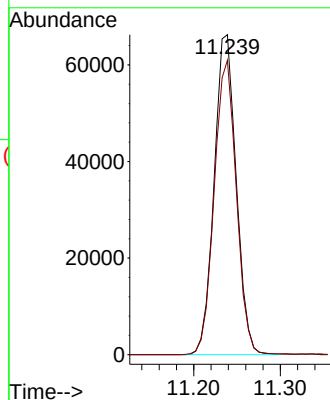
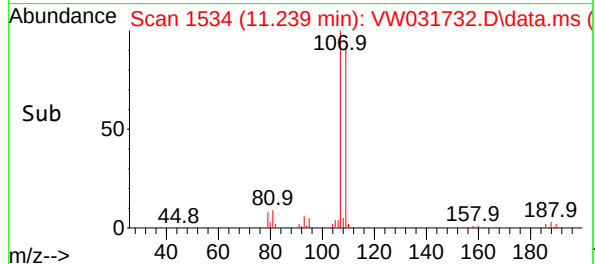
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 11728
Ion Ratio Lower Upper
107 100
109 92.4 73.9 110.9

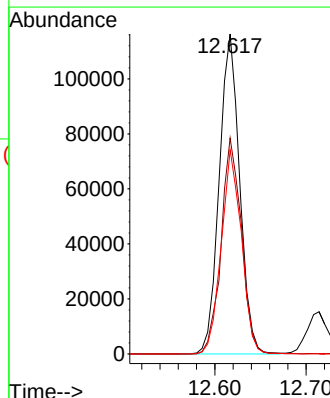
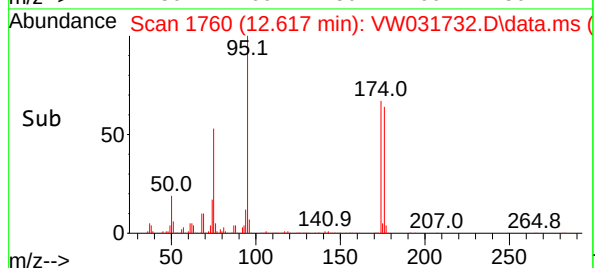
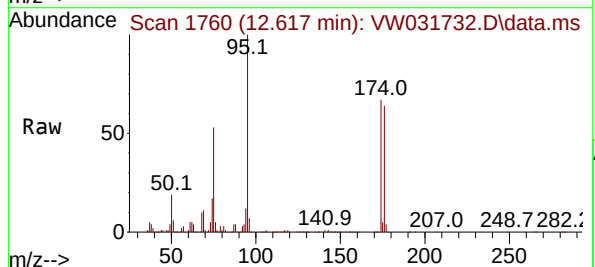
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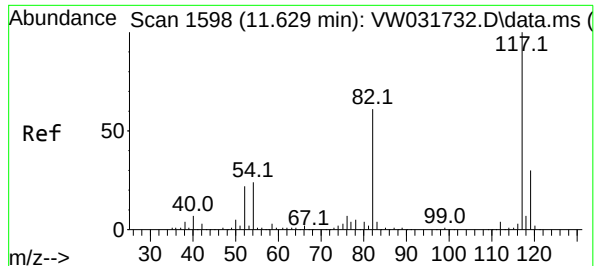
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 49.986 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 95 Resp: 180870
Ion Ratio Lower Upper
95 100
174 66.9 0.0 133.8
176 63.0 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 36361

Ion Ratio Lower Upper

117 100

82 60.7 48.6 72.8

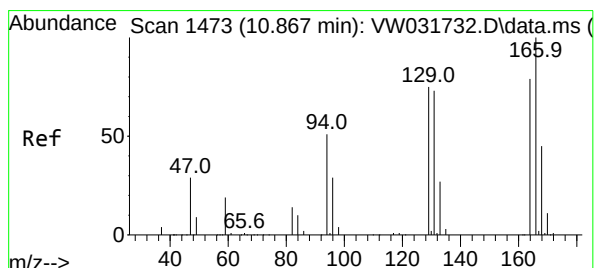
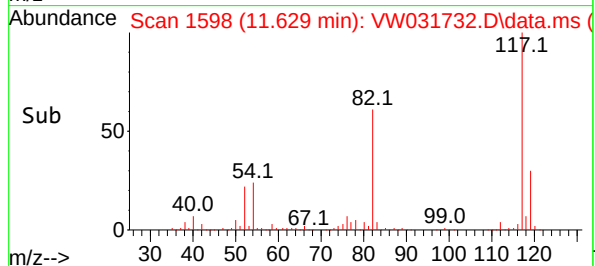
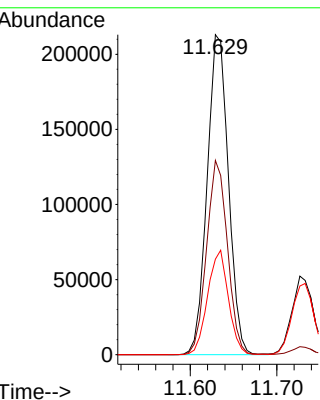
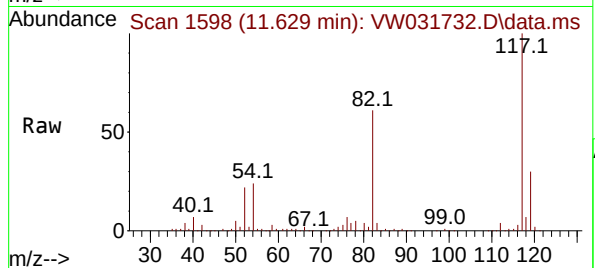
119 29.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 47.928 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion:164 Resp: 113995

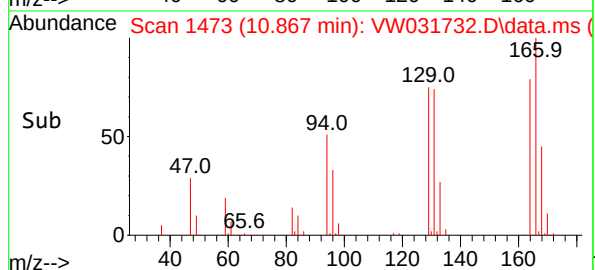
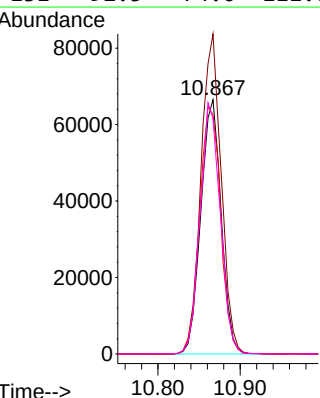
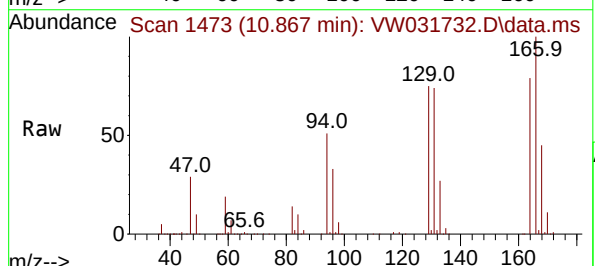
Ion Ratio Lower Upper

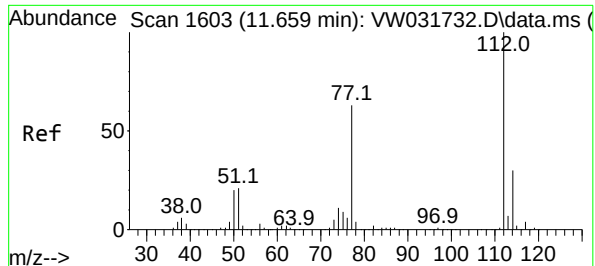
164 100

166 125.9 100.7 151.1

129 94.2 75.4 113.0

131 92.5 74.0 111.0





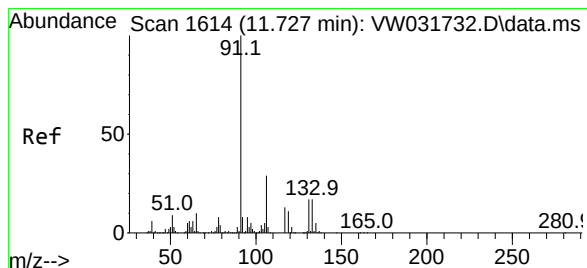
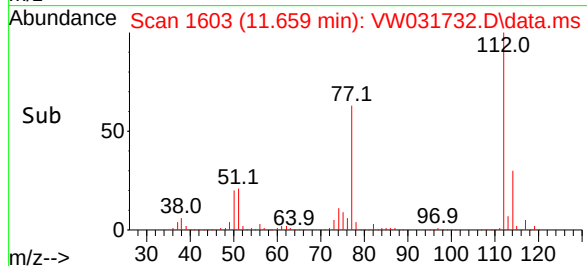
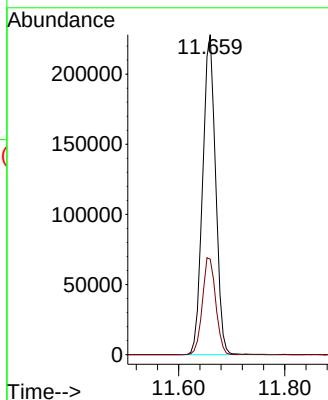
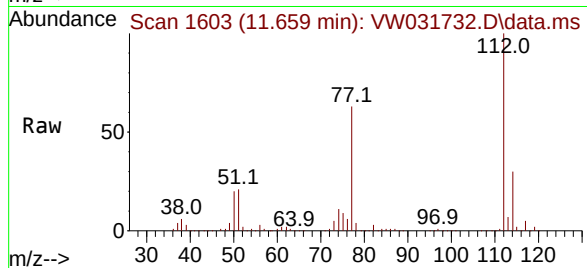
#65
Chlorobenzene
Concen: 48.141 ug/l
RT: 11.659 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 386218
Ion Ratio Lower Upper
112 100
114 29.8 23.8 35.8

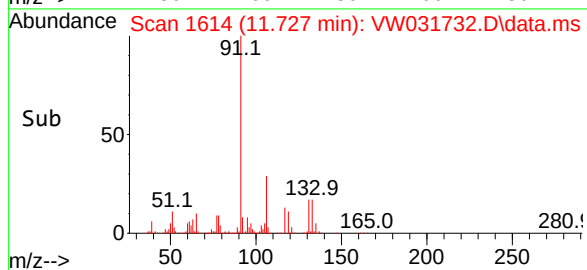
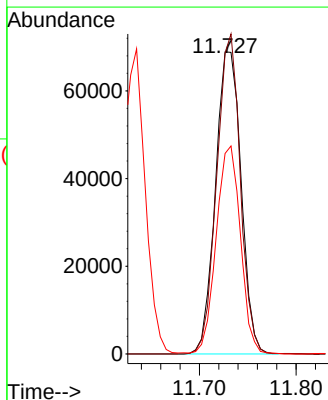
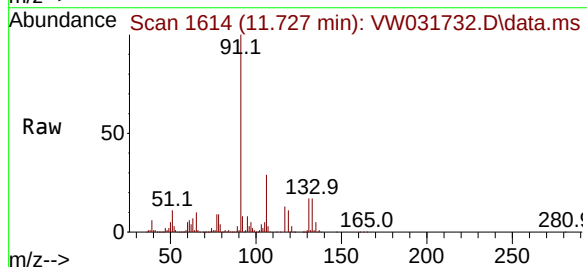
Manual Integrations
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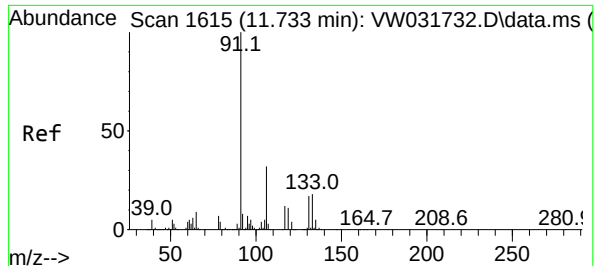
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.734 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:131 Resp: 127147
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.6
119 65.0 32.5 97.5





#67

Ethyl Benzene

Concen: 49.266 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 68536

Ion Ratio Lower Upper

91 100

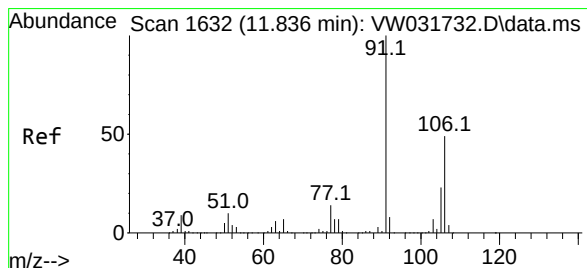
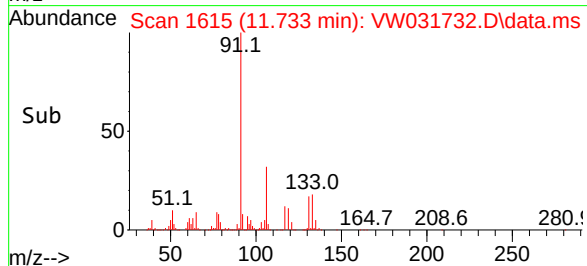
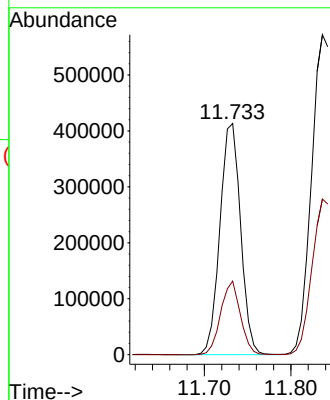
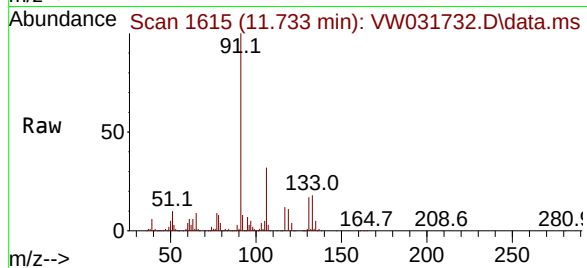
106 31.8 25.4 38.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 98.914 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031732.D

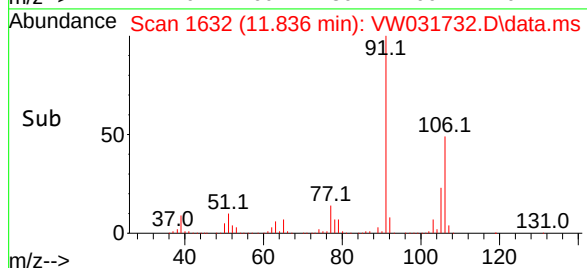
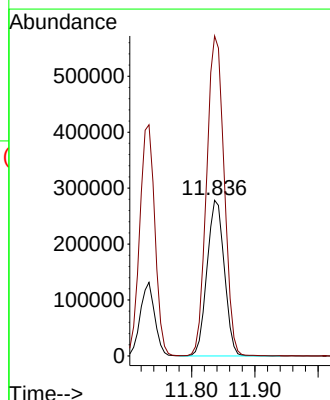
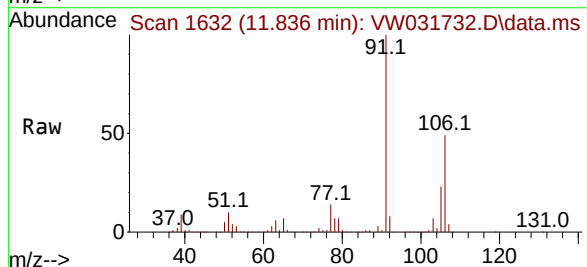
Acq: 30 Jun 2025 11:21

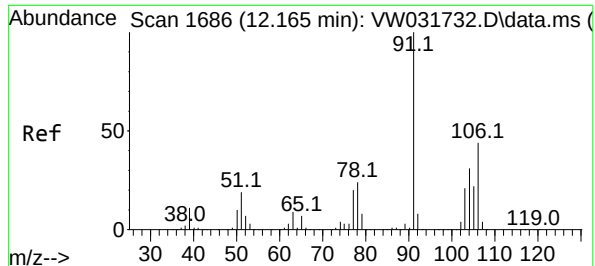
Tgt Ion:106 Resp: 528971

Ion Ratio Lower Upper

106 100

91 208.0 166.4 249.6





#69

o-Xylene

Concen: 50.054 ug/l

RT: 12.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 247840

Ion Ratio Lower Upper

106 100

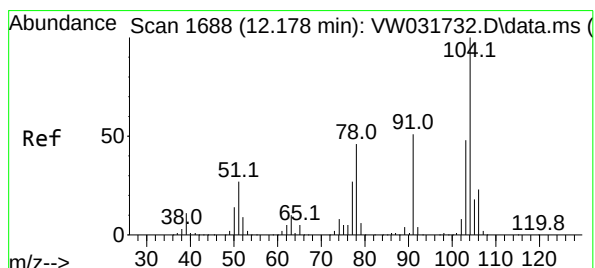
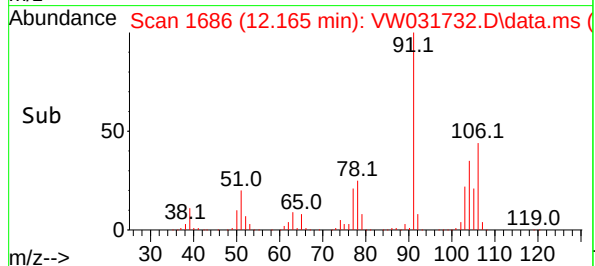
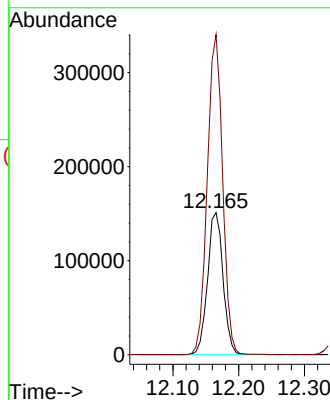
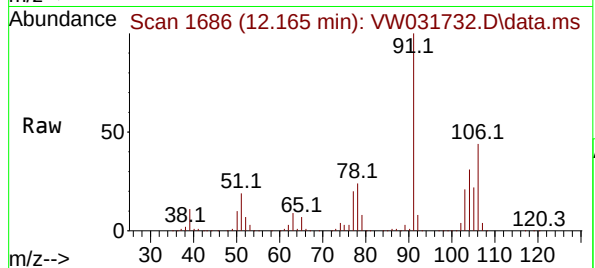
91 222.9 111.5 334.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 51.360 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

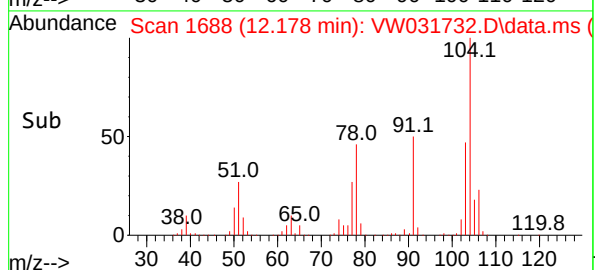
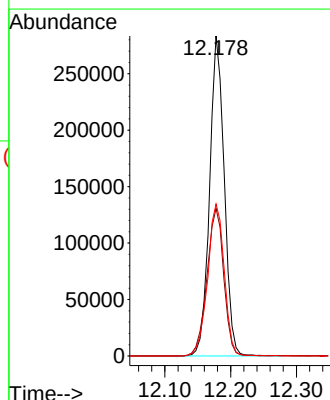
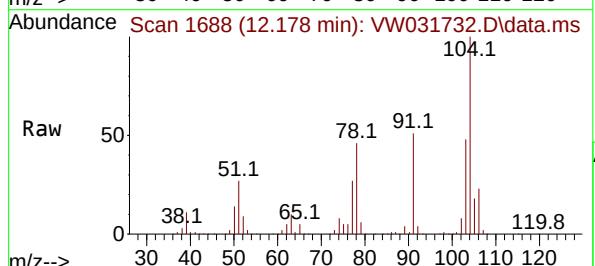
Tgt Ion:104 Resp: 439641

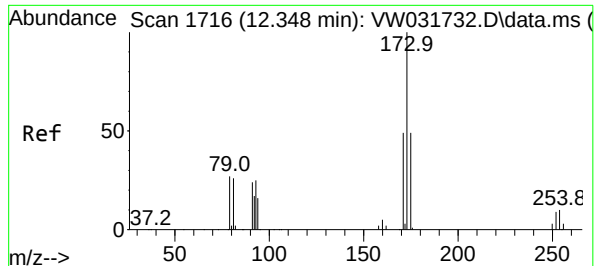
Ion Ratio Lower Upper

104 100

78 52.6 42.1 63.1

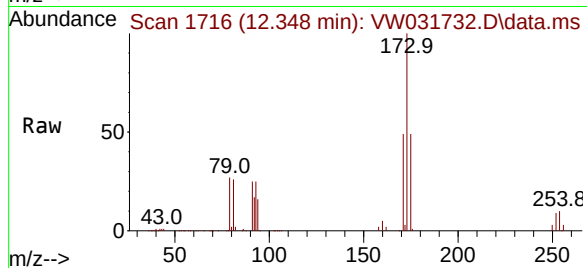
103 53.8 43.0 64.6





#71
Bromoform
Concen: 52.095 ug/l
RT: 12.348 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

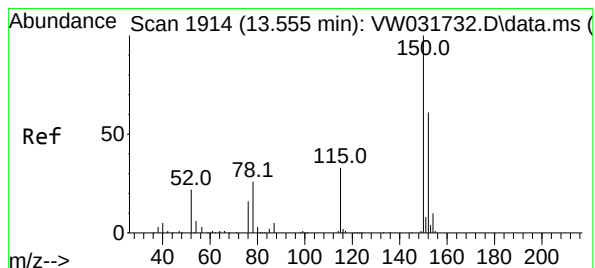
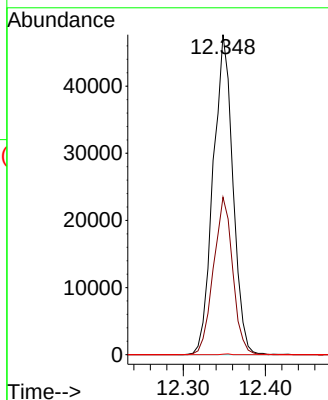
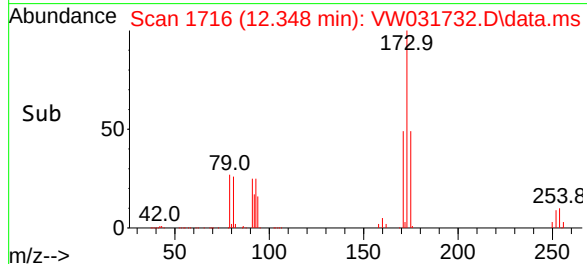
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 79452
Ion Ratio Lower Upper
173 100
175 48.0 24.0 72.0
254 0.1 0.1 0.1

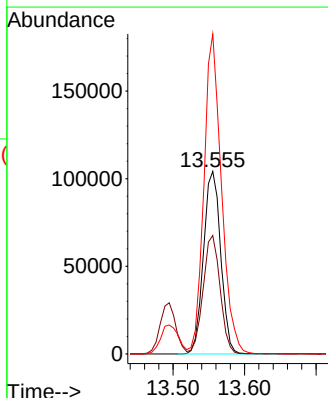
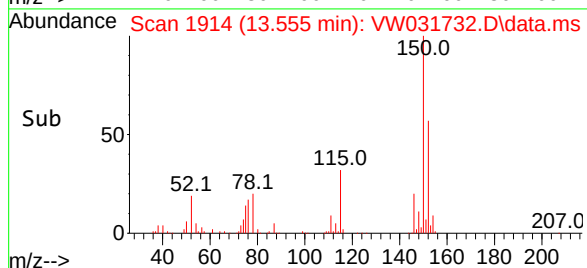
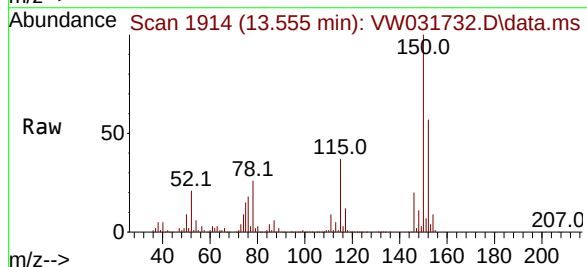
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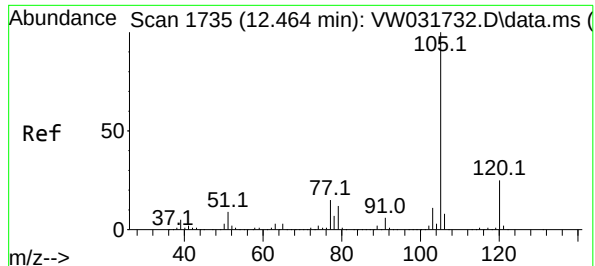
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:152 Resp: 174347
Ion Ratio Lower Upper
152 100
115 63.8 31.9 95.7
150 178.2 0.0 356.4





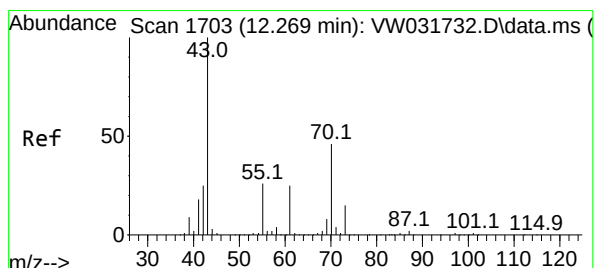
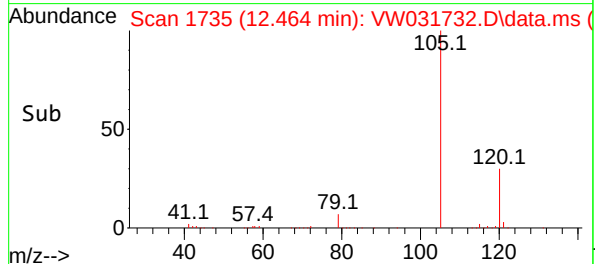
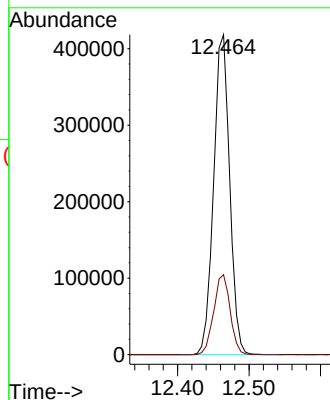
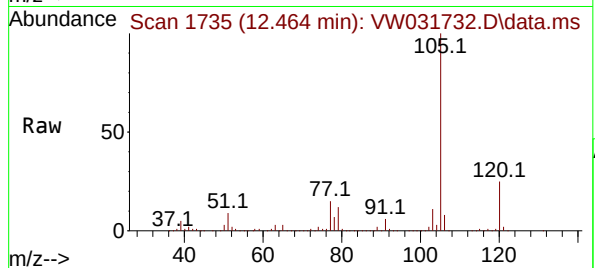
#73
Isopropylbenzene
Concen: 49.059 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 65060
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

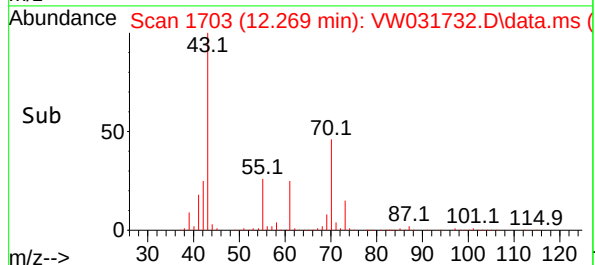
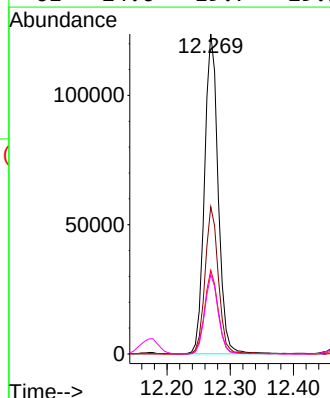
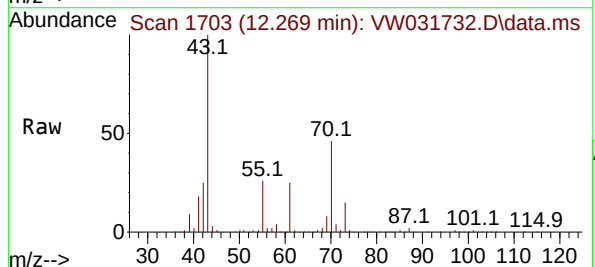
Manual Integrations
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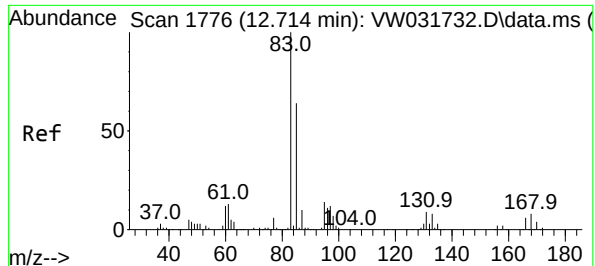
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 52.024 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 185960
Ion Ratio Lower Upper
43 100
70 45.0 36.0 54.0
55 26.0 20.8 31.2
61 24.6 19.7 29.5





#75

1,1,2-Tetrachloroethane

Concen: 49.936 ug/l

RT: 12.714 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 147025

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

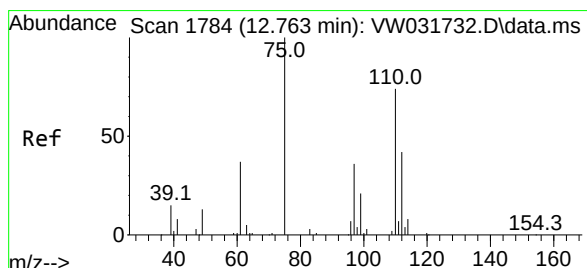
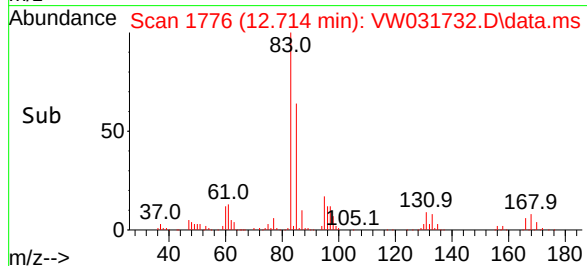
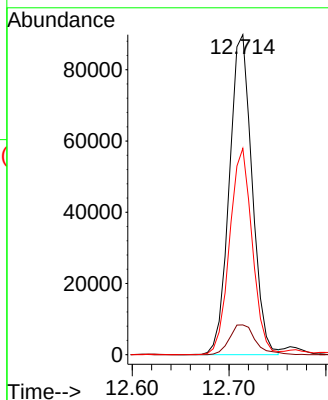
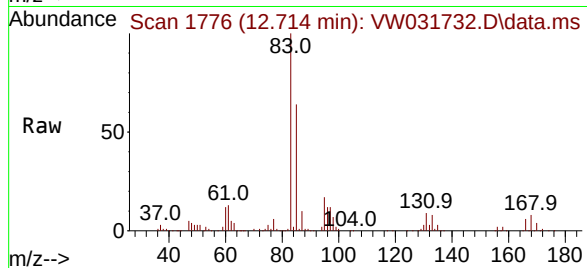
85 64.1 32.0 96.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#76

1,2,3-Trichloropropane

Concen: 50.492 ug/l m

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW031732.D

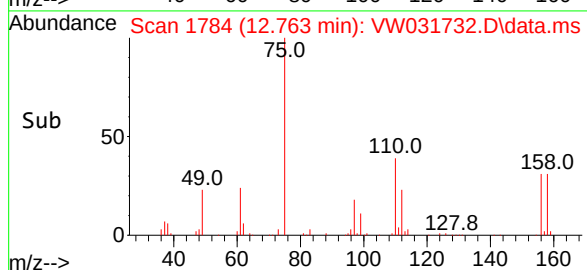
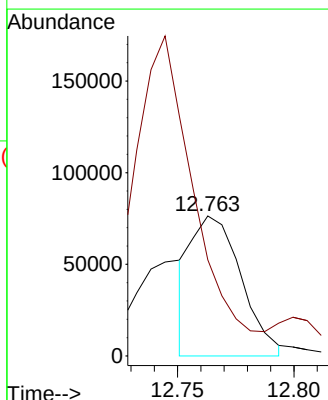
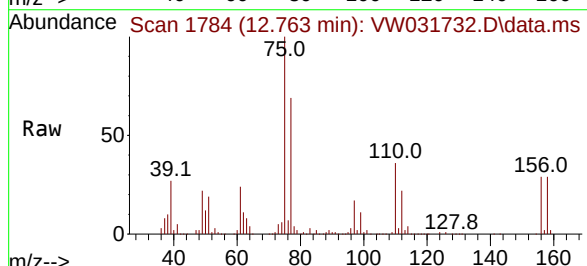
Acq: 30 Jun 2025 11:21

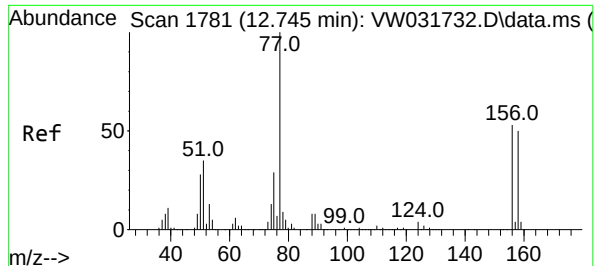
Tgt Ion: 75 Resp: 113761

Ion Ratio Lower Upper

75 100

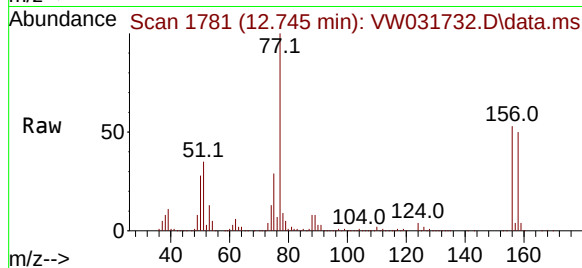
77 282.4 141.2 423.6





#77
Bromobenzene
Concen: 46.062 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

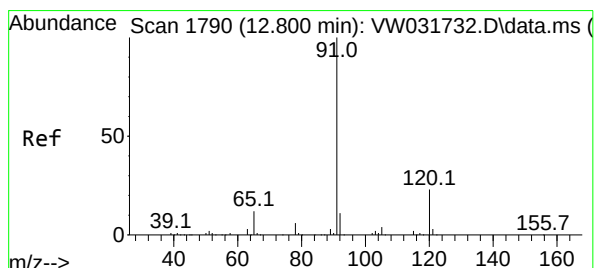
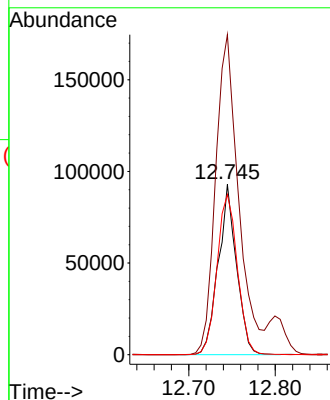
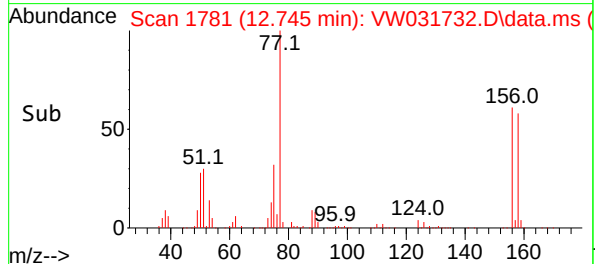
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 13624
Ion Ratio Lower Upper
156 100
77 235.8 117.9 353.7
158 105.2 52.6 157.8

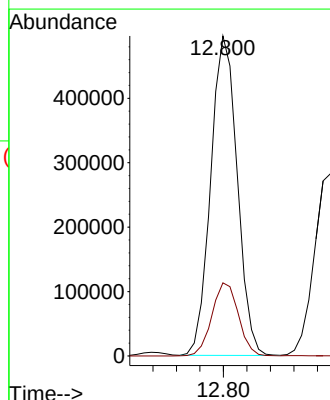
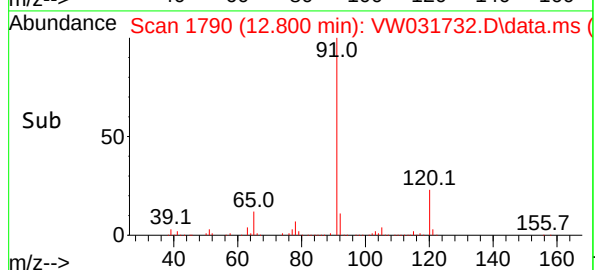
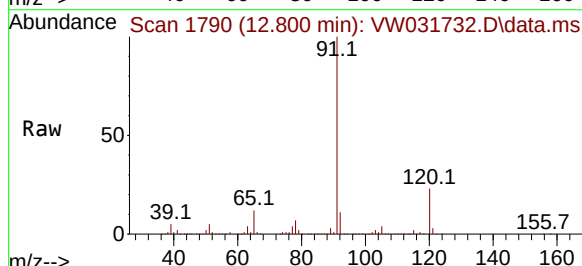
Manual Integrations
APPROVED

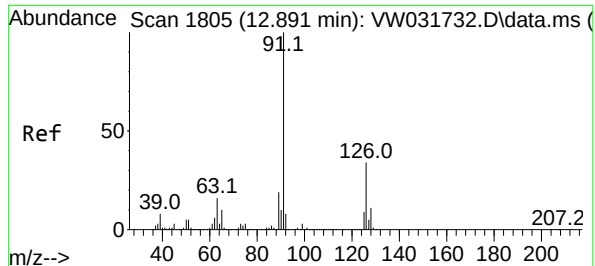
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#78
n-propylbenzene
Concen: 48.998 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 778125
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 48.939 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 46800

Ion Ratio Lower Upper

91 100

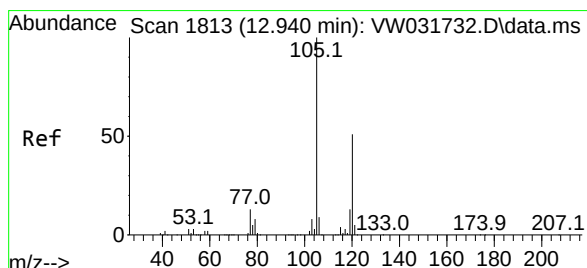
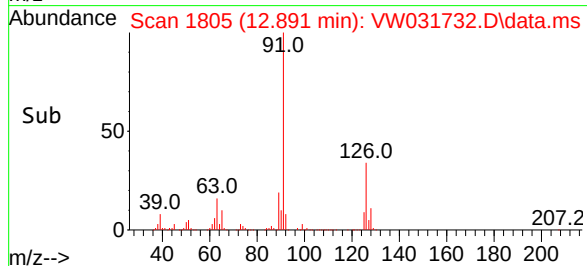
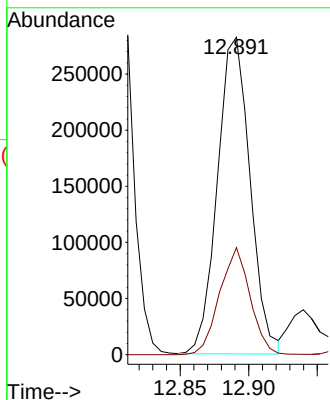
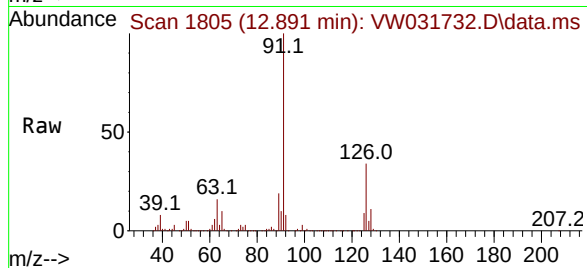
126 31.6 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.102 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031732.D

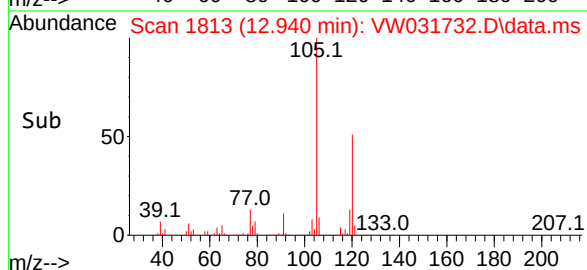
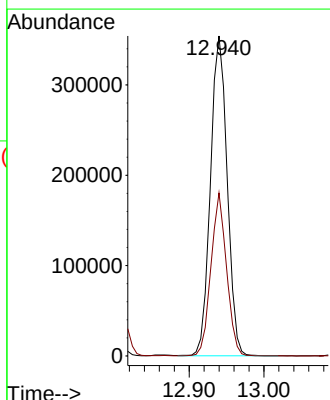
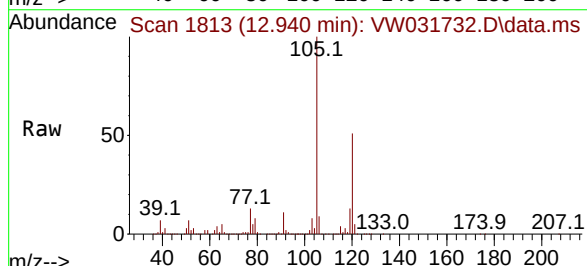
Acq: 30 Jun 2025 11:21

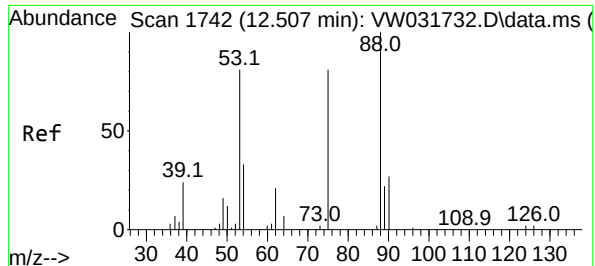
Tgt Ion:105 Resp: 549993

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.485 ug/l

RT: 12.507 min Scan# 1742

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

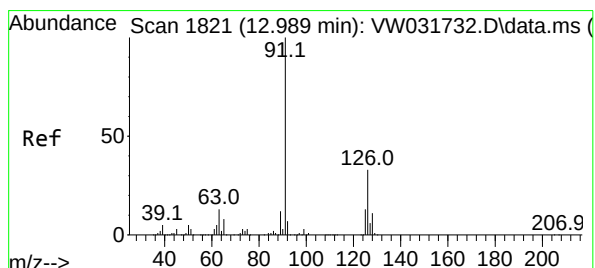
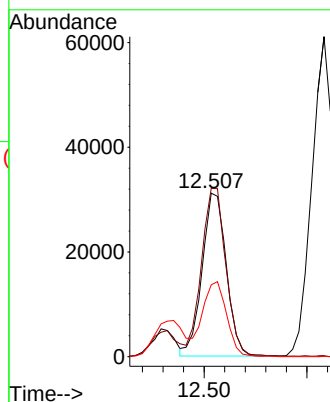
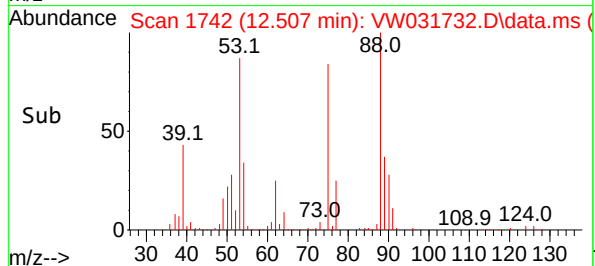
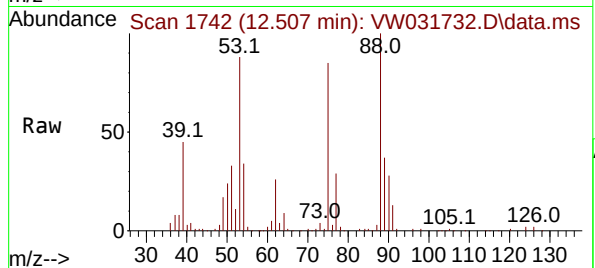
Tgt Ion:	75	Resp:	50770
Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.5	125.3
89	47.9	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#82

4-Chlorotoluene

Concen: 49.008 ug/l

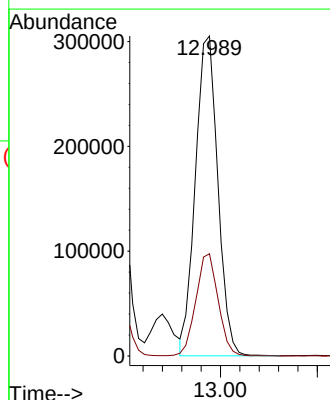
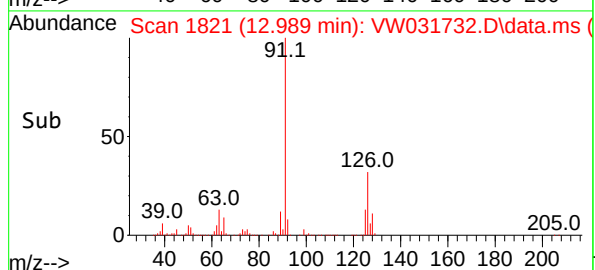
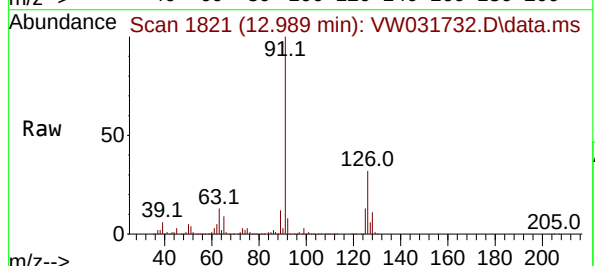
RT: 12.989 min Scan# 1821

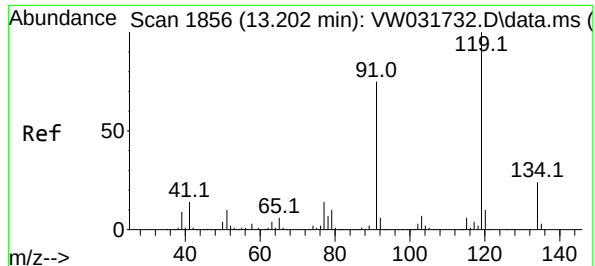
Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion:	91	Resp:	492034
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





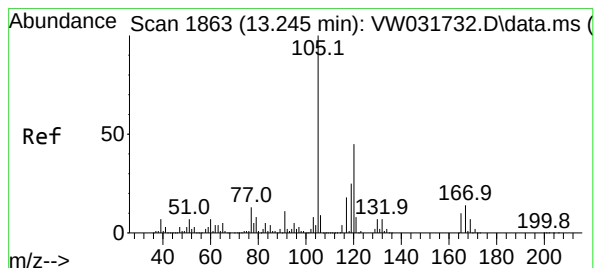
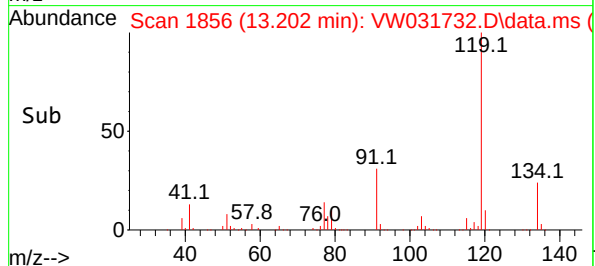
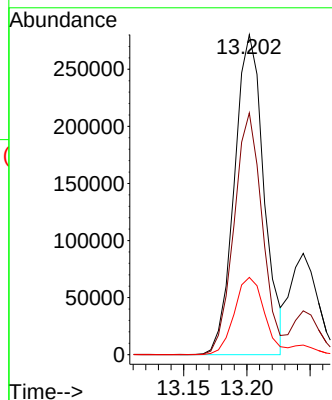
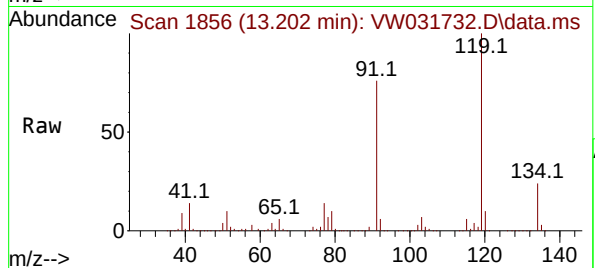
#83
tert-Butylbenzene
Concen: 48.454 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 45562
Ion Ratio Lower Upper
119 100
91 72.1 36.0 108.1
134 24.8 12.4 37.2

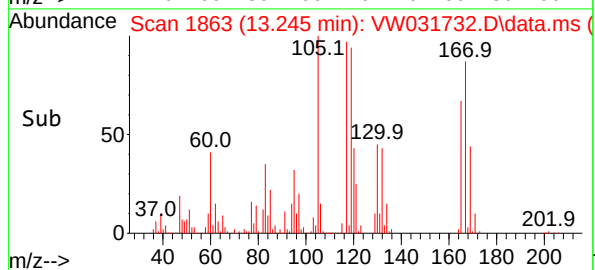
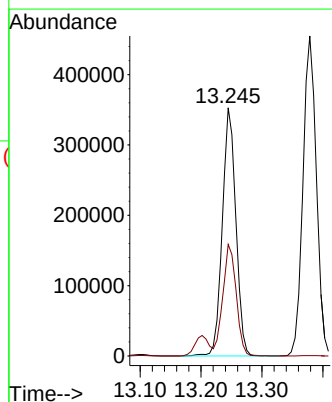
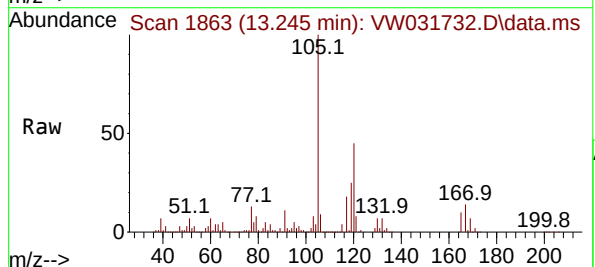
Manual Integrations
APPROVED

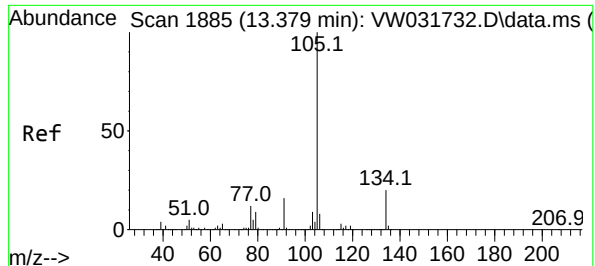
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#84
1,2,4-Trimethylbenzene
Concen: 48.943 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 544366
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 49.251 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 69512

Ion Ratio Lower Upper

105 100

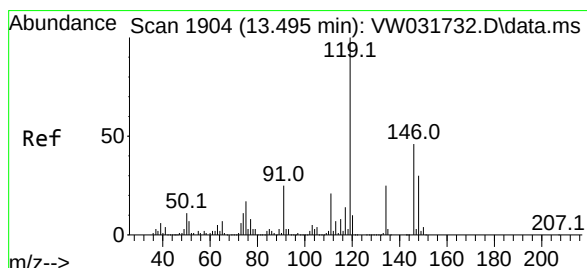
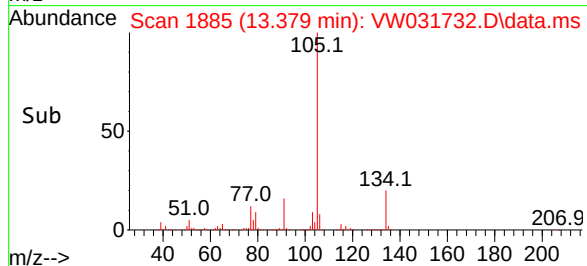
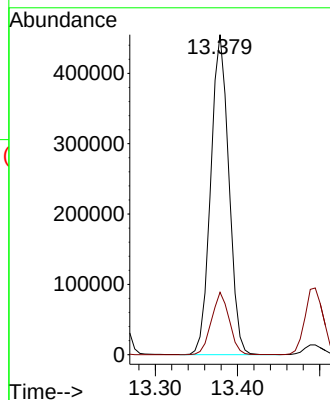
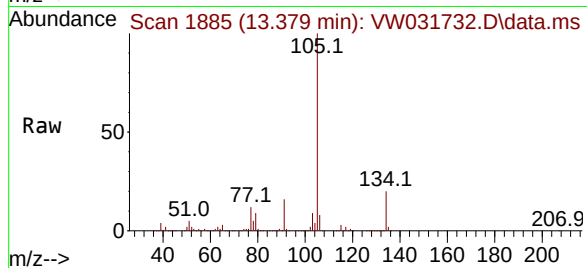
134 19.2 9.6 28.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#86

p-Isopropyltoluene

Concen: 49.088 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

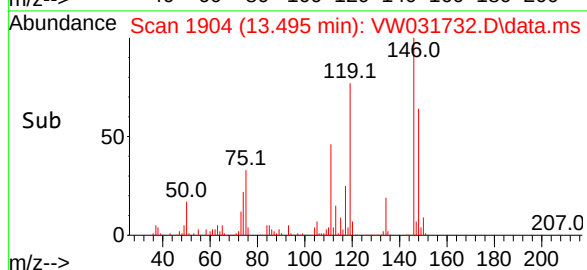
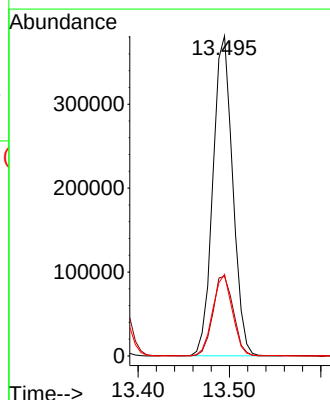
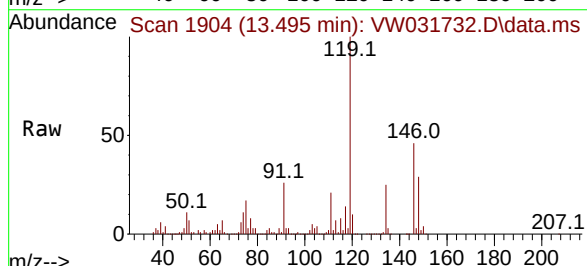
Tgt Ion:119 Resp: 570989

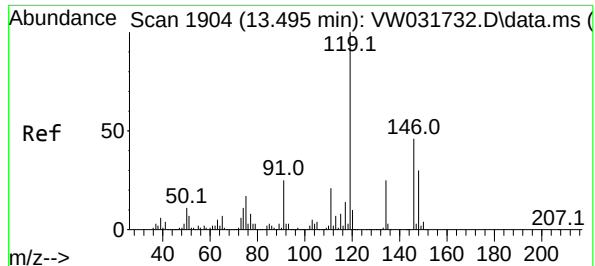
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 48.328 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

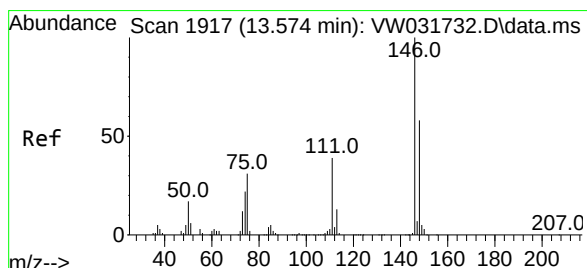
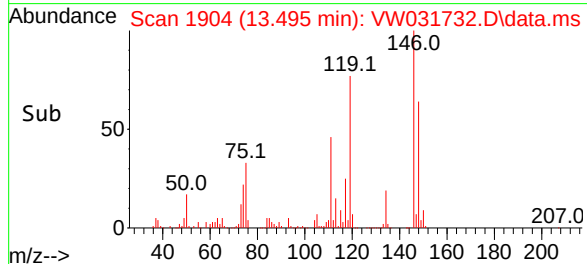
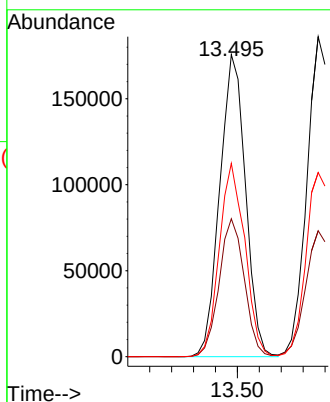
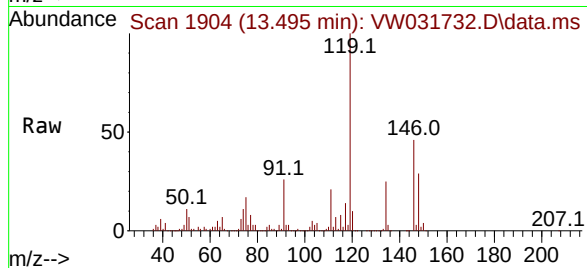
ClientSampleId :

VSTDICCC050

Tgt Ion:146	Resp:	286670
Ion Ratio	Lower	Upper
146	100	
111	44.6	22.3 66.9
148	63.6	31.8 95.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

Concen: 48.863 ug/l

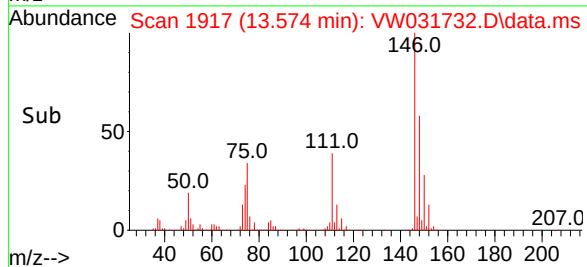
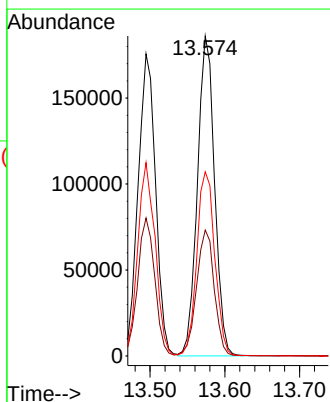
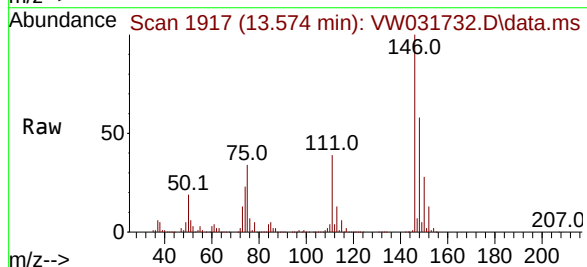
RT: 13.574 min Scan# 1917

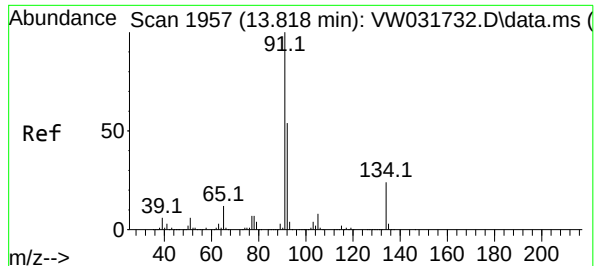
Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion:146	Resp:	296666
Ion Ratio	Lower	Upper
146	100	
111	40.9	20.4 61.3
148	60.4	30.2 90.6





#89

n-Butylbenzene

Concen: 49.002 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

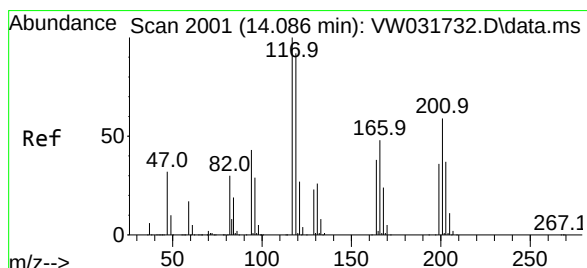
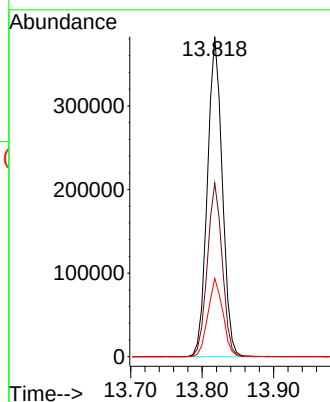
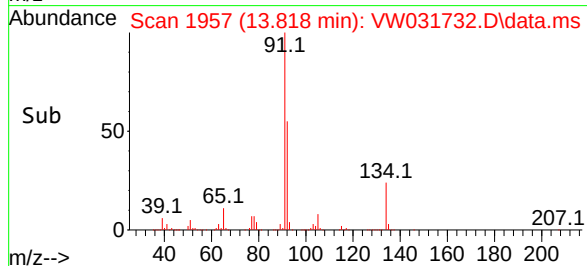
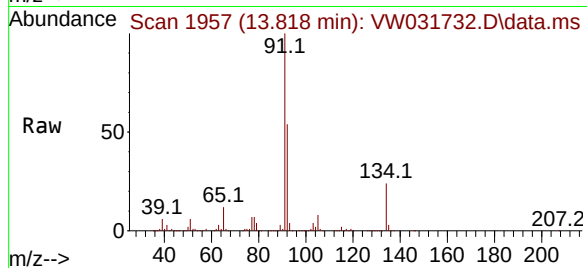
VSTDICCC050

Tgt Ion:	91	Resp:	55379
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	24.4	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 49.175 ug/l

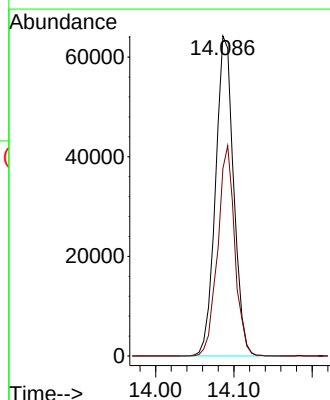
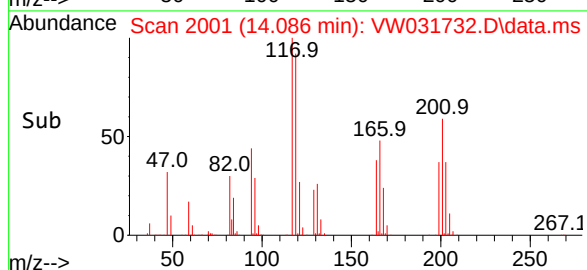
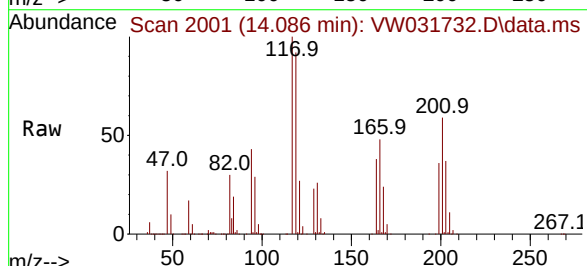
RT: 14.086 min Scan# 2001

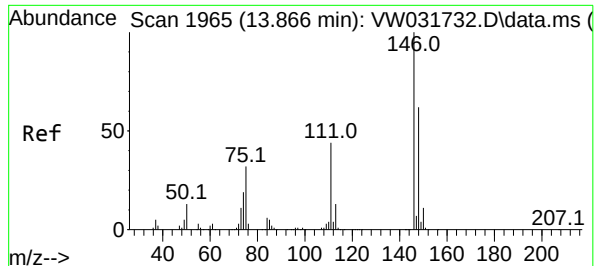
Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Tgt Ion:	117	Resp:	103194
Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.1	93.3





#91

1,2-Dichlorobenzene

Concen: 50.650 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 27460

Ion Ratio Lower Upper

146 100

111 43.4 21.7 65.1

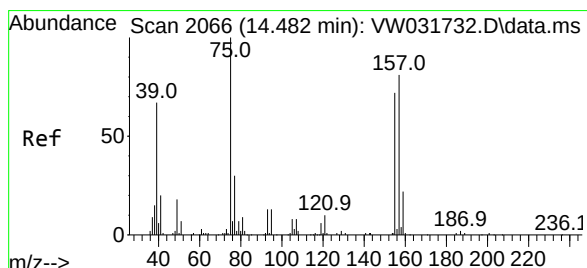
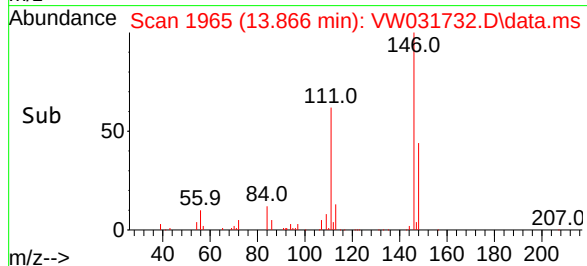
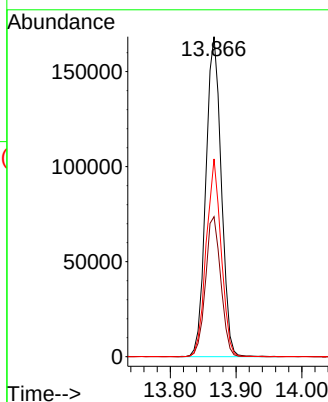
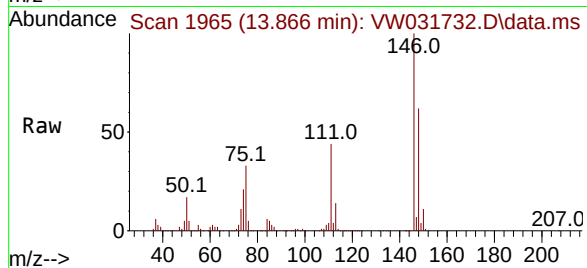
148 59.7 29.8 89.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.476 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

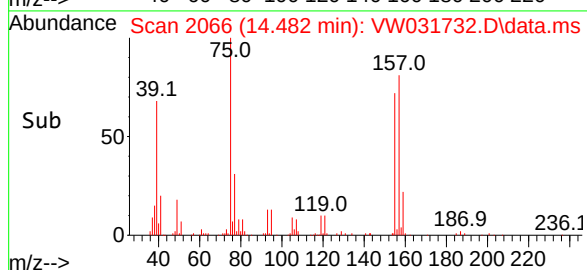
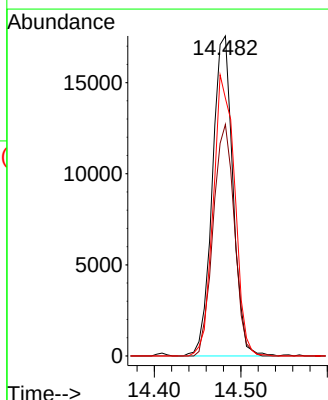
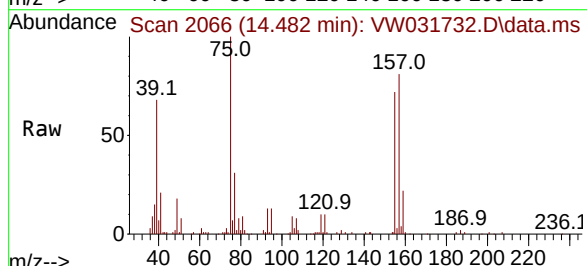
Tgt Ion: 75 Resp: 29018

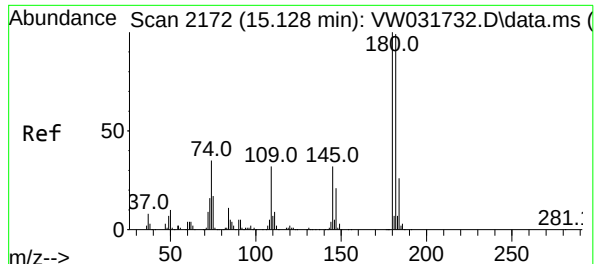
Ion Ratio Lower Upper

75 100

155 74.4 37.2 111.6

157 91.3 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 48.652 ug/l

RT: 15.128 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 162674

Ion Ratio Lower Upper

180 100

182 97.3 48.6 145.9

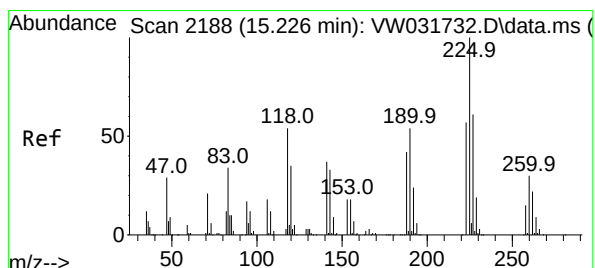
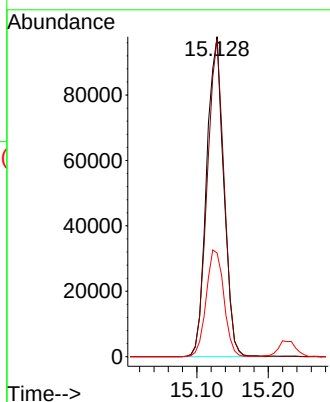
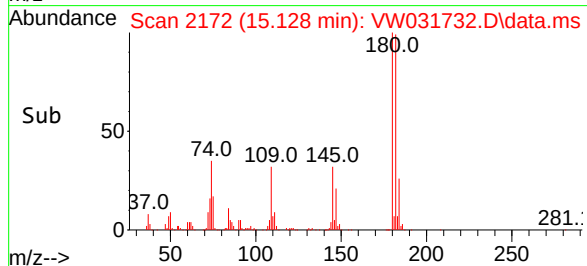
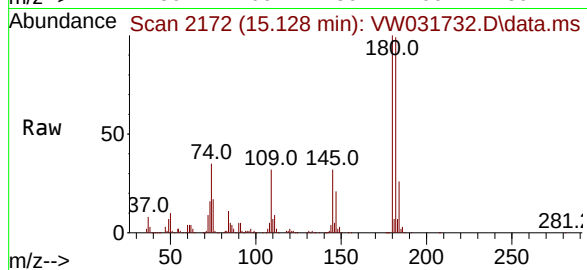
145 34.5 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 44.742 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031732.D

Acq: 30 Jun 2025 11:21

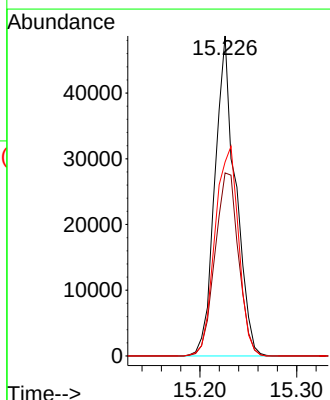
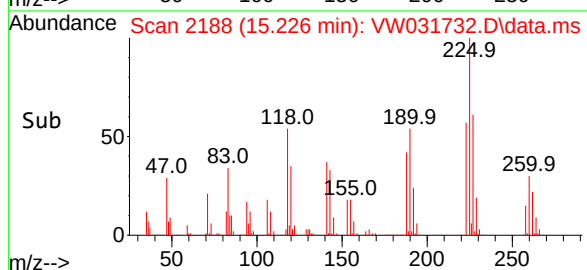
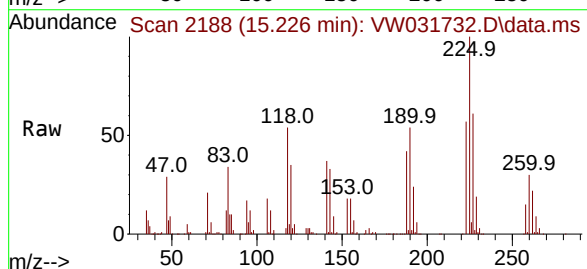
Tgt Ion:225 Resp: 72238

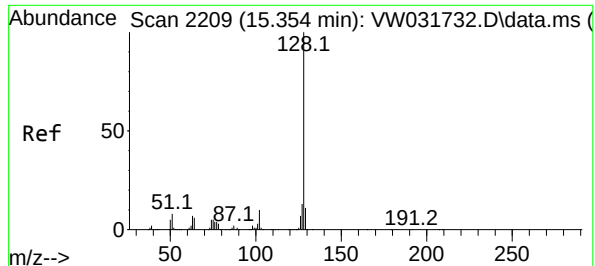
Ion Ratio Lower Upper

225 100

223 65.2 32.6 97.8

227 74.5 37.3 111.8





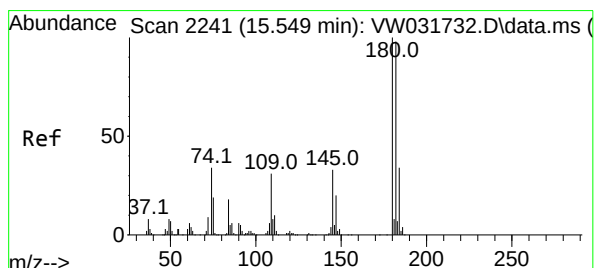
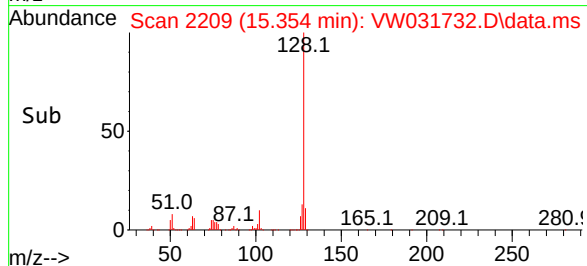
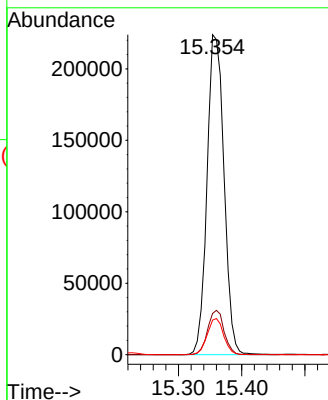
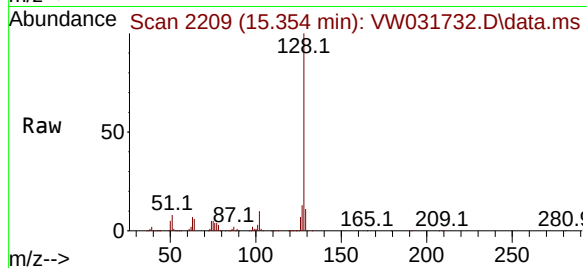
#95
Naphthalene
Concen: 50.938 ug/l
RT: 15.354 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 417550
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.9 8.7 13.1

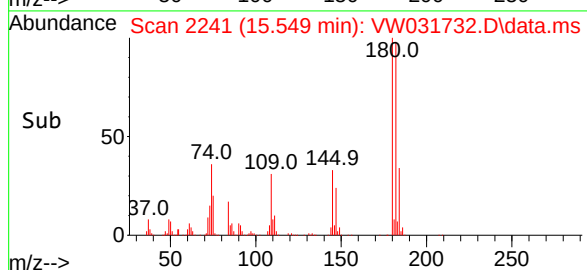
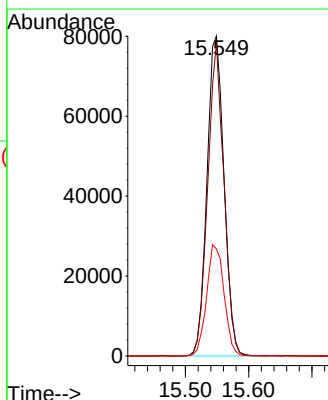
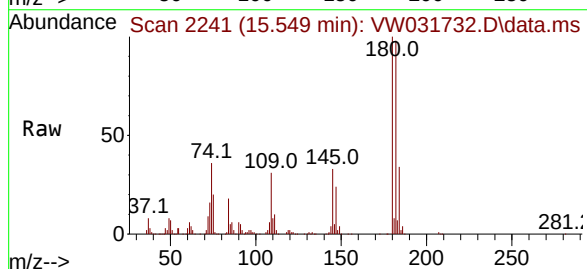
Manual Integrations
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Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.893 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:180 Resp: 150212
Ion Ratio Lower Upper
180 100
182 92.7 46.4 139.1
145 35.5 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.560%#			
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 200.240%#			
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 202.380%#			
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 201.360%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

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Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l	98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l	99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l	99
44) Trichloroethene	9.099	130	273865	96.676	ug/l	96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l	99
46) Dibromomethane	9.465	93	167767	94.732	ug/l	98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l	99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l	98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l	99
52) Toluene	10.386	92	710254	97.739	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l	97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l	98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l	99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l	99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l	97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l	99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l	94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l	98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l	100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l	98
69) o-Xylene	12.160	106	506083	103.535	ug/l	97
70) Styrene	12.178	104	865542	102.427	ug/l	99
71) Bromoform	12.349	173	154434	102.574	ug/l #	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l	100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	205119m	95.544	ug/l	
77) Bromobenzene	12.739	156	294310	104.424	ug/l	86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l	99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l	98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l	100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l	100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l	100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l	97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l	99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l	100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l	89
95) Naphthalene	15.360	128	867343	111.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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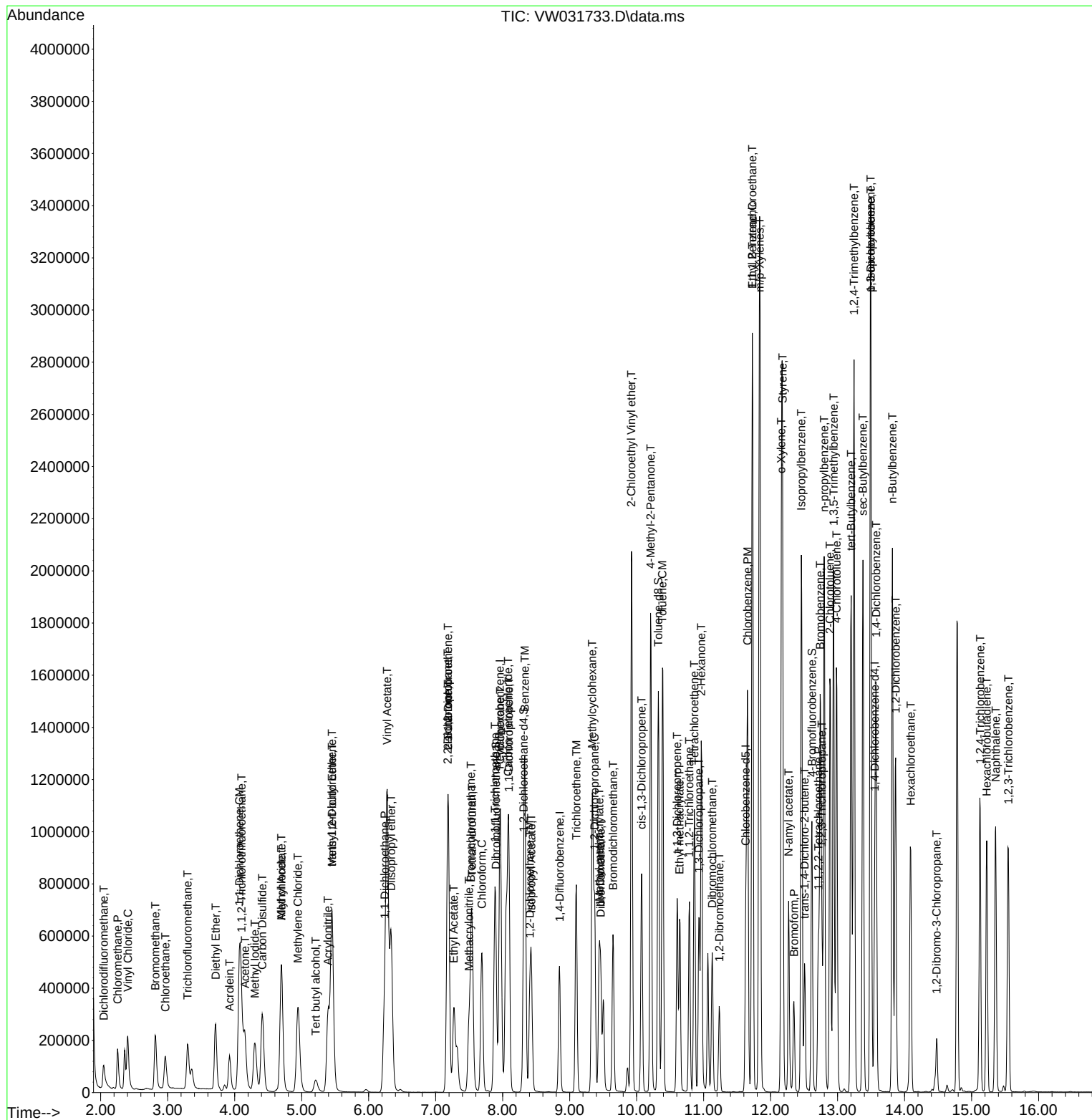
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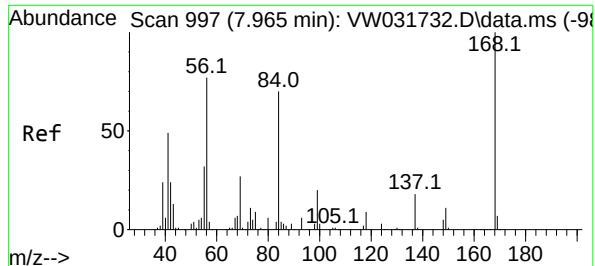
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Manual Integrations APPROVED

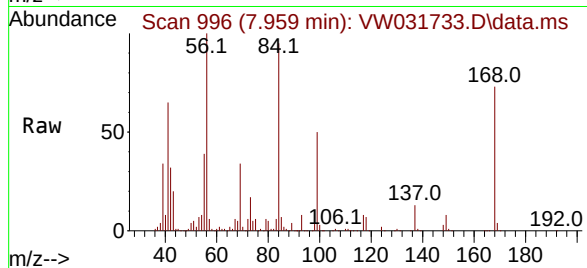
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

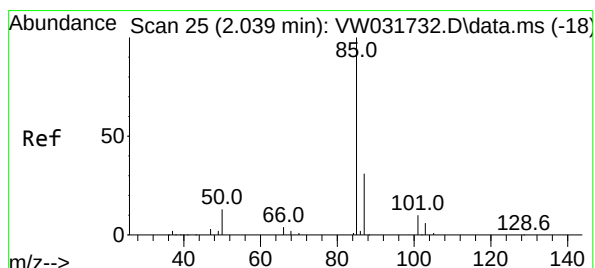
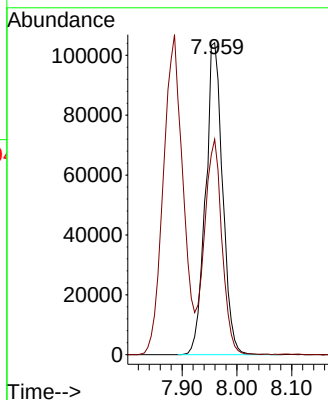
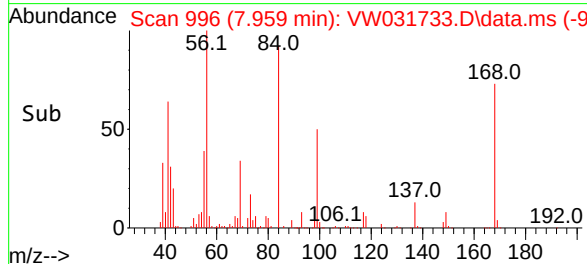
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 168 Resp: 22470
Ion Ratio Lower Upper
168 100
99 69.0 49.4 74.2

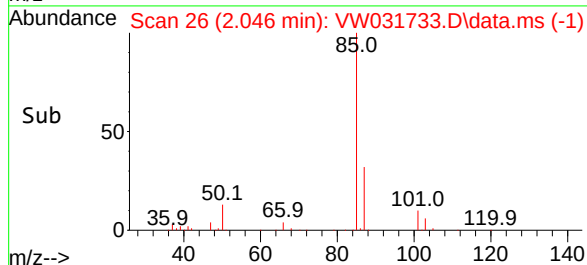
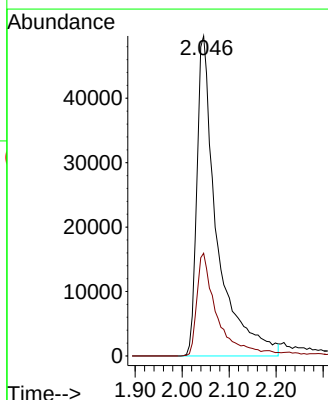
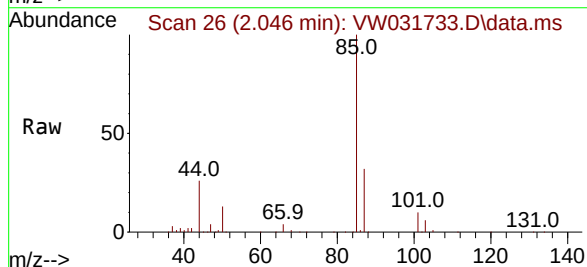
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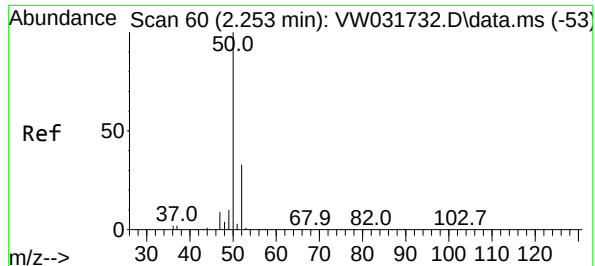
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 96.542 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 85 Resp: 147738
Ion Ratio Lower Upper
85 100
87 32.1 15.4 46.2





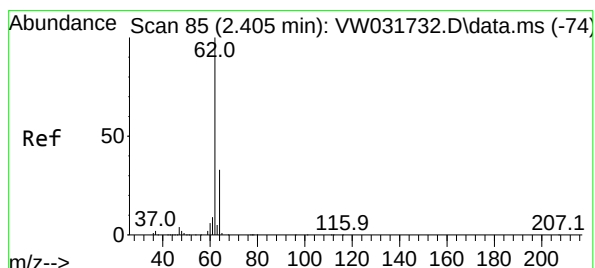
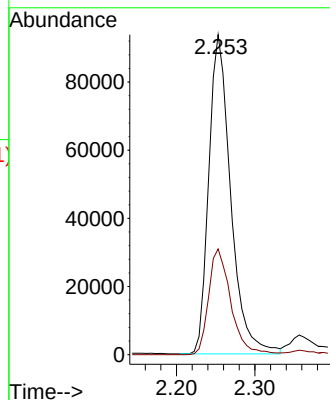
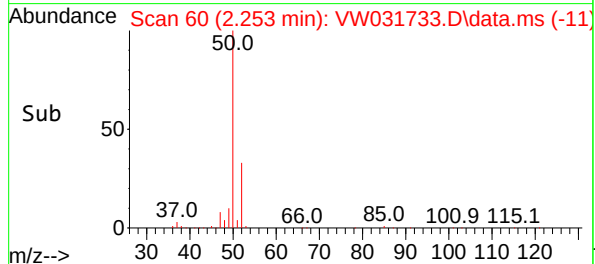
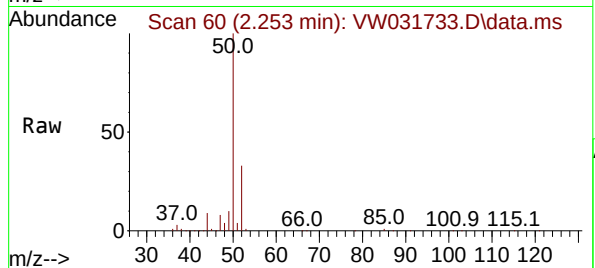
#3
Chloromethane
Concen: 98.692 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 182080
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.2

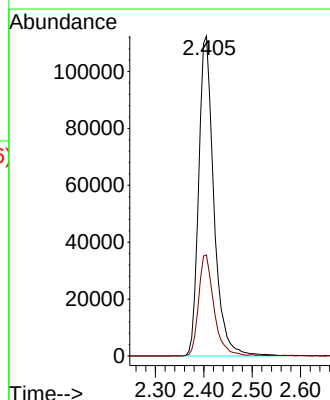
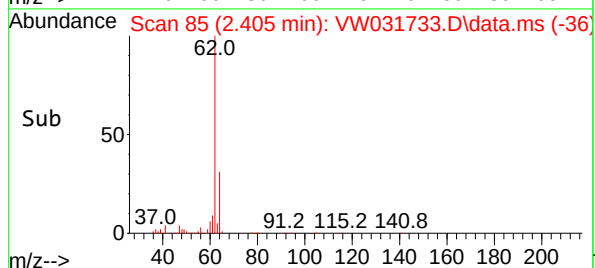
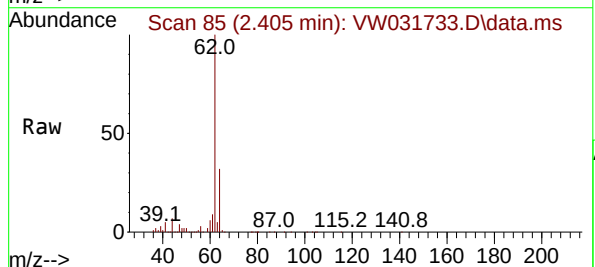
Manual Integrations
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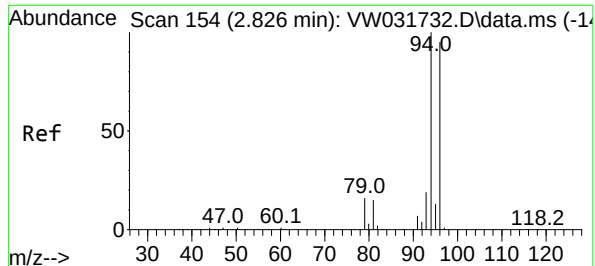
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#4
Vinyl Chloride
Concen: 100.935 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 244761
Ion Ratio Lower Upper
62 100
64 31.5 26.8 40.2





#5

Bromomethane

Concen: 97.666 ug/l

RT: 2.814 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 18498

Ion Ratio Lower Upper

94 100

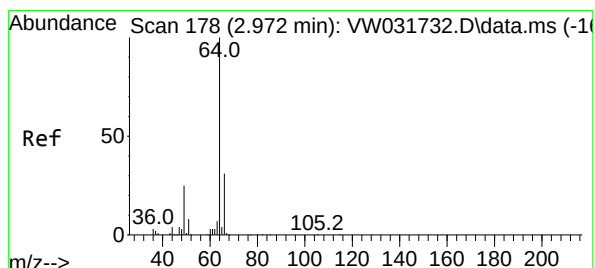
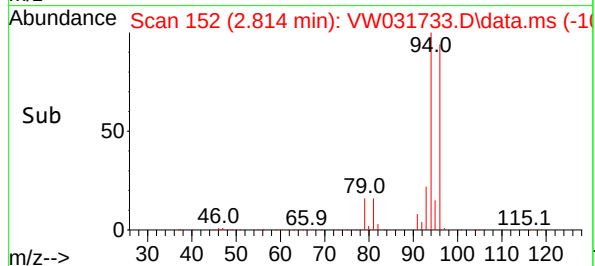
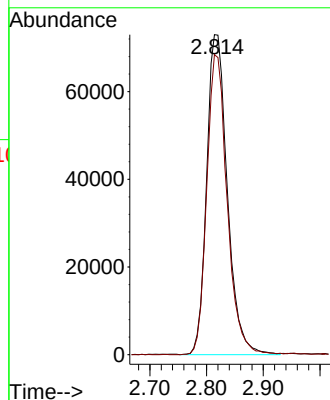
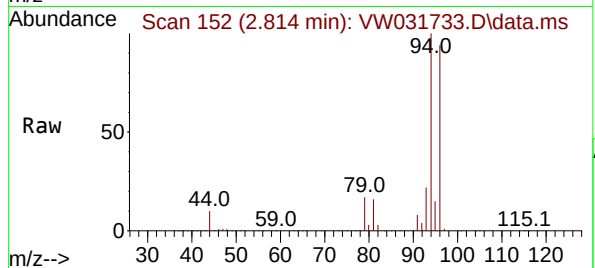
96 93.7 75.6 113.4

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 07/01/2025



#6

Chloroethane

Concen: 98.201 ug/l

RT: 2.966 min Scan# 177

Delta R.T. -0.006 min

Lab File: VW031733.D

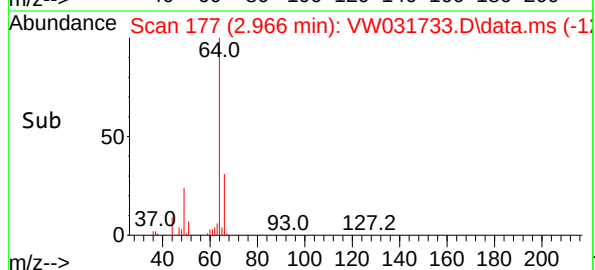
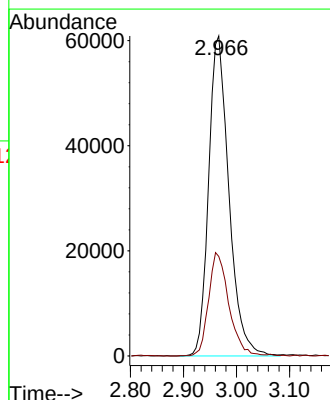
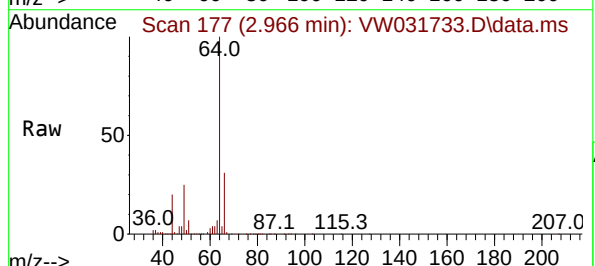
Acq: 30 Jun 2025 12:34

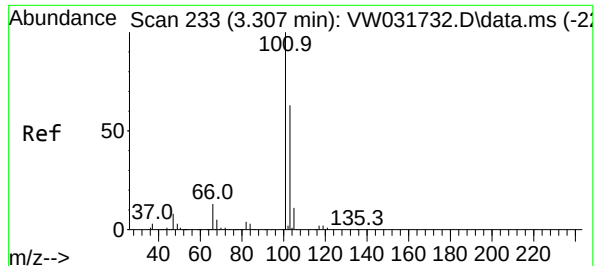
Tgt Ion: 64 Resp: 161756

Ion Ratio Lower Upper

64 100

66 31.0 24.5 36.7





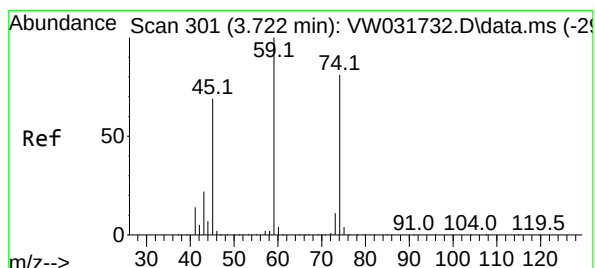
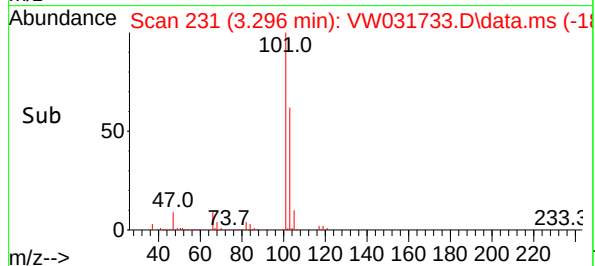
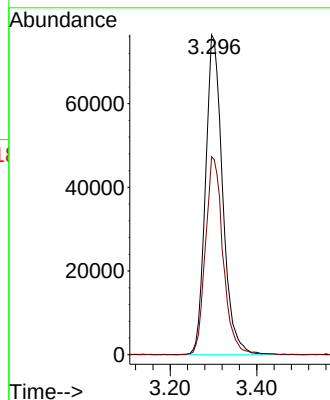
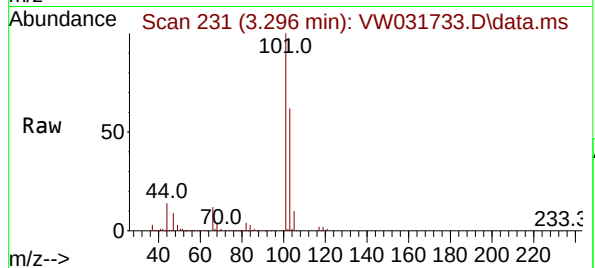
#7
Trichlorofluoromethane
Concen: 95.160 ug/l
RT: 3.296 min Scan# 21
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 20956
Ion Ratio Lower Upper
101 100
103 61.8 50.2 75.4

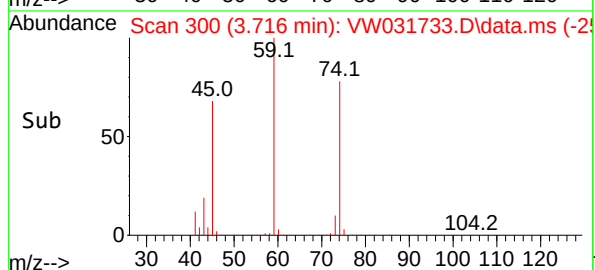
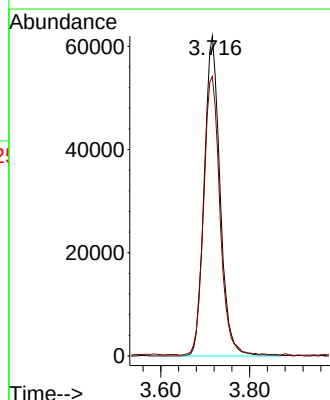
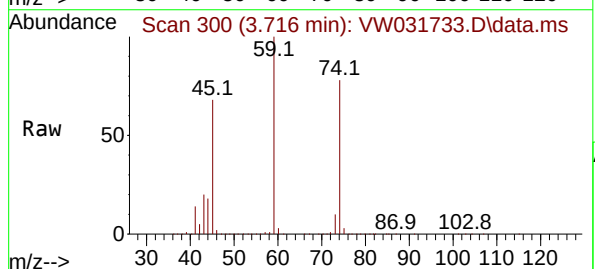
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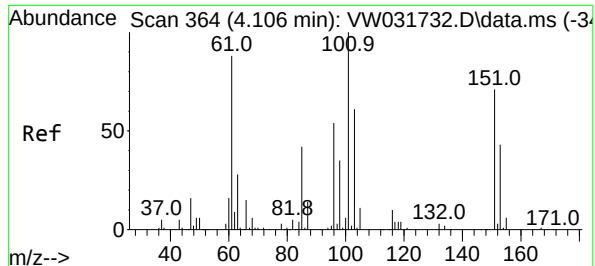
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 92.052 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 74 Resp: 154043
Ion Ratio Lower Upper
74 100
45 89.9 43.9 131.7





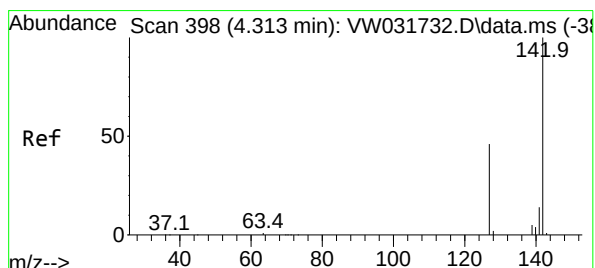
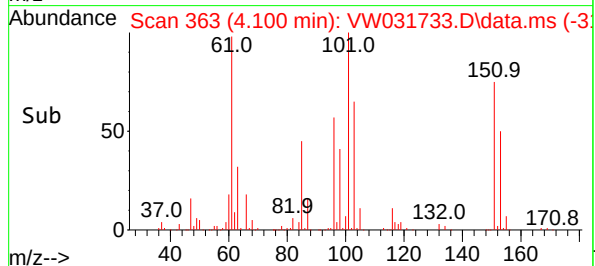
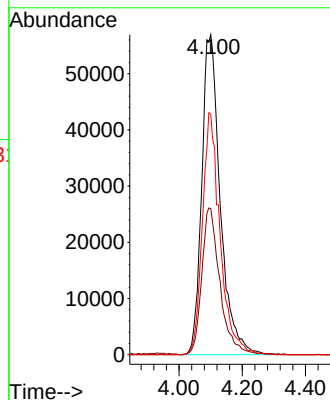
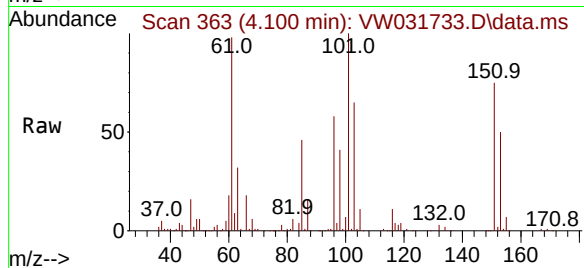
#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.998 ug/l
RT: 4.100 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 232215
Ion Ratio Lower Upper
101 100
85 44.9 35.6 53.4
151 72.1 56.8 85.2

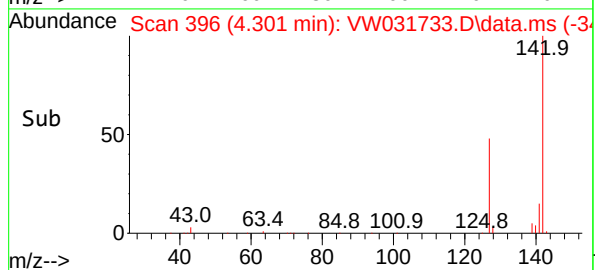
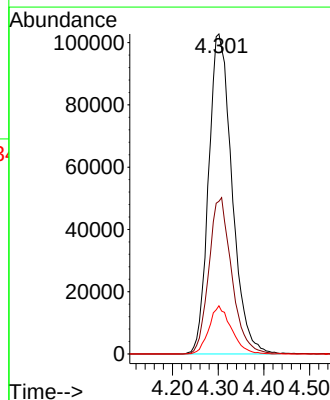
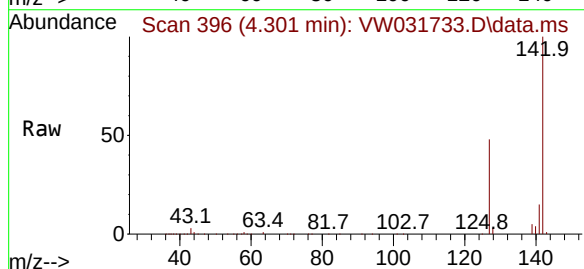
Manual Integrations
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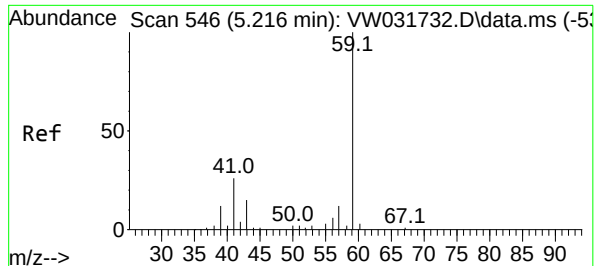
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 97.112 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:142 Resp: 365954
Ion Ratio Lower Upper
142 100
127 47.7 37.9 56.9
141 14.4 11.7 17.5





#11

Tert butyl alcohol

Concen: 489.014 ug/l

RT: 5.210 min Scan# 546

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 97690

Ion Ratio Lower Upper

59 100

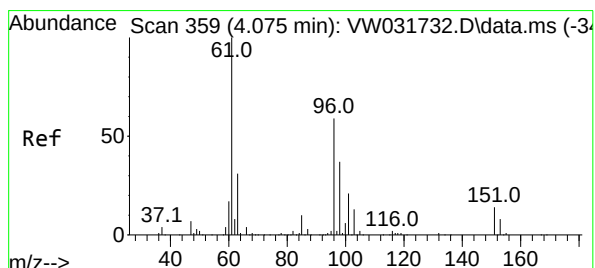
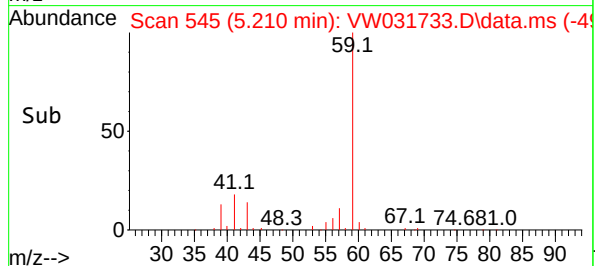
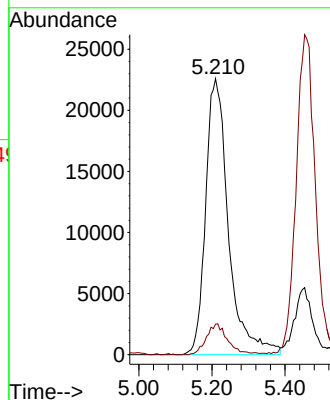
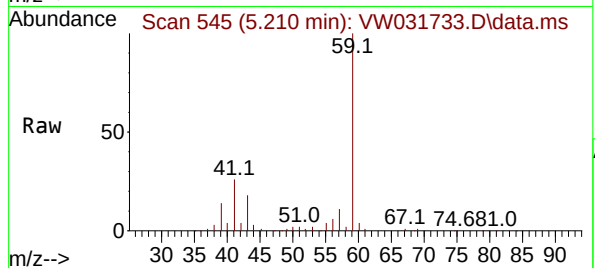
57 10.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#12

1,1-Dichloroethene

Concen: 97.519 ug/l

RT: 4.070 min Scan# 358

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

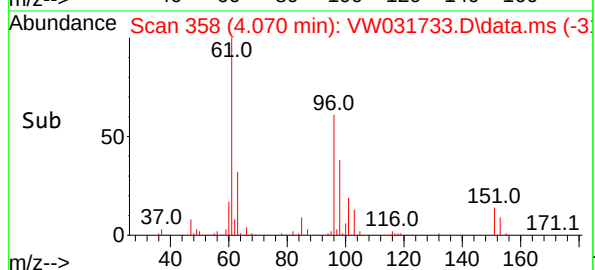
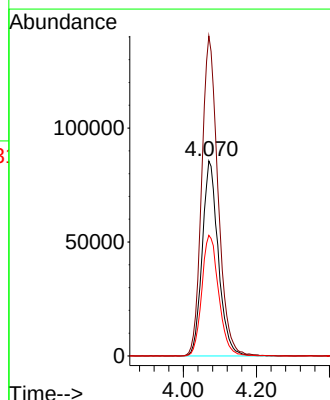
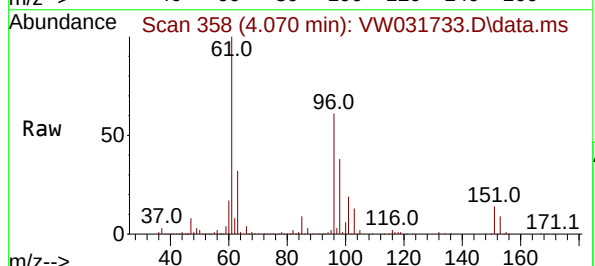
Tgt Ion: 96 Resp: 261103

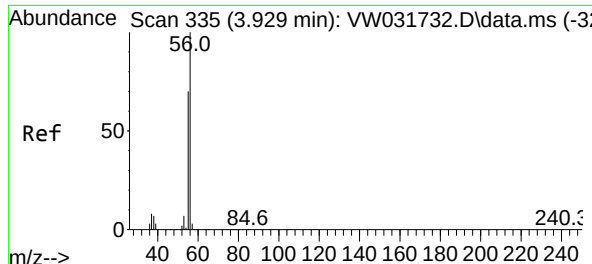
Ion Ratio Lower Upper

96 100

61 164.1 135.8 203.8

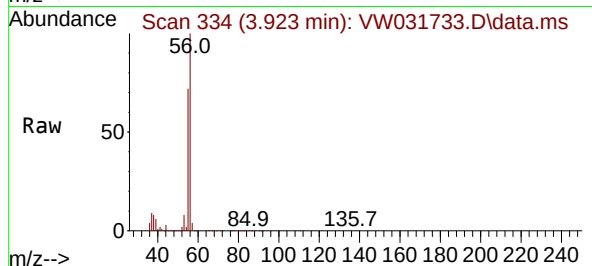
98 61.9 50.4 75.6





#13
Acrolein
Concen: 487.715 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

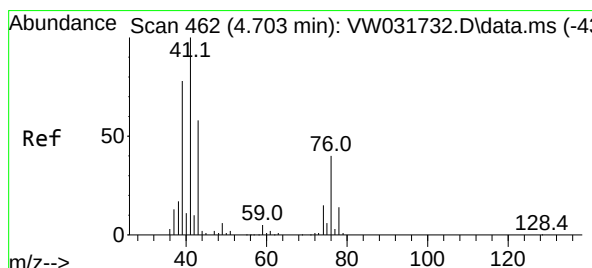
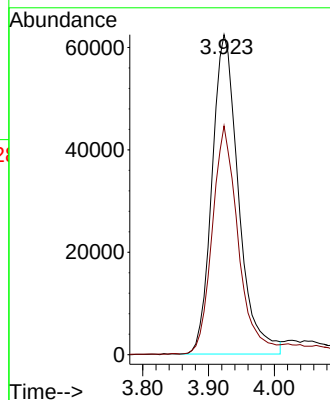
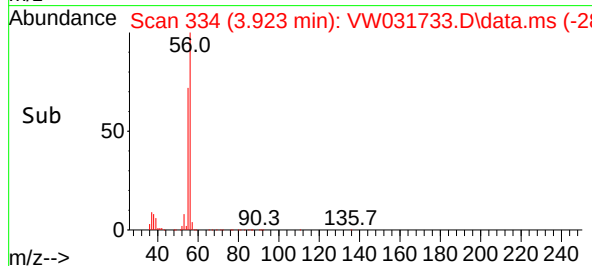
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 17512
Ion Ratio Lower Upper
56 100
55 69.6 54.0 81.0

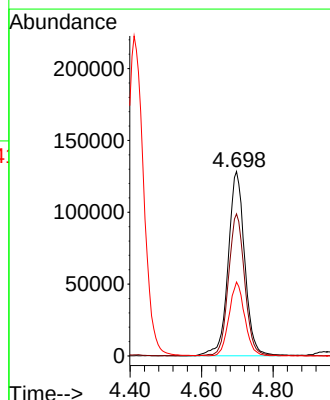
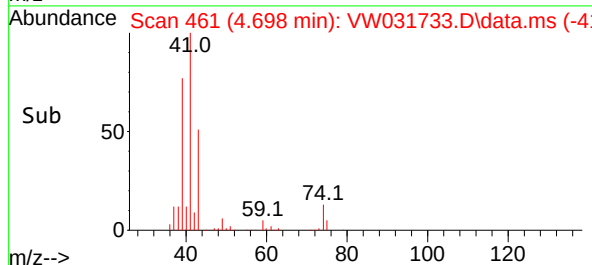
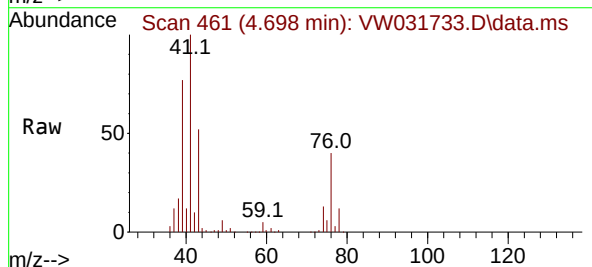
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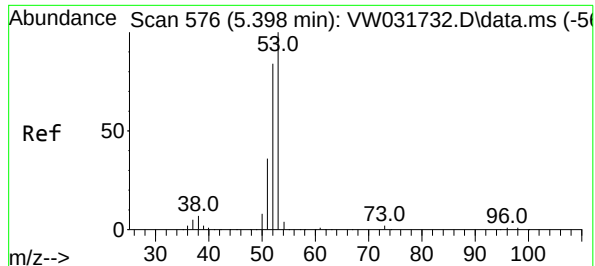
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#14
Allyl chloride
Concen: 100.521 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 412947
Ion Ratio Lower Upper
41 100
39 75.0 60.7 91.1
76 37.5 30.3 45.5





#15

Acrylonitrile

Concen: 493.345 ug/l

RT: 5.393 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 40598

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

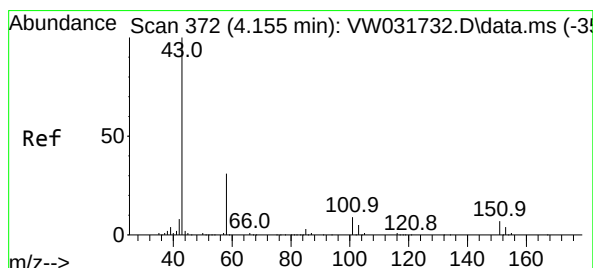
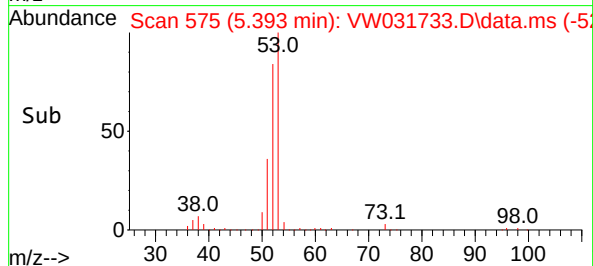
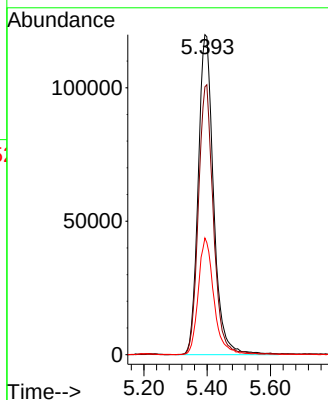
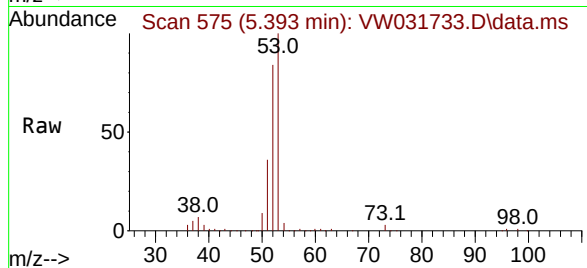
51 37.0 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 439.652 ug/l

RT: 4.155 min Scan# 372

Delta R.T. 0.000 min

Lab File: VW031733.D

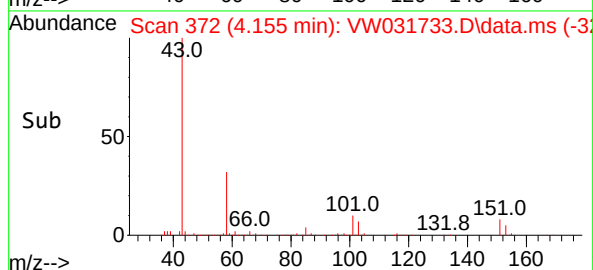
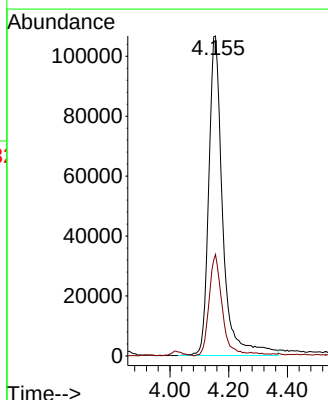
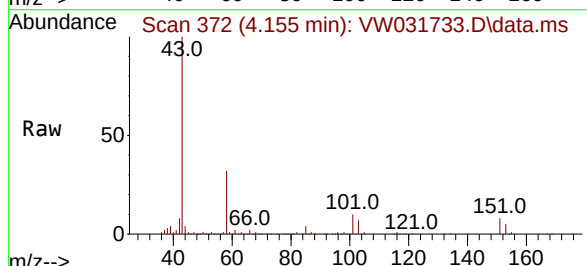
Acq: 30 Jun 2025 12:34

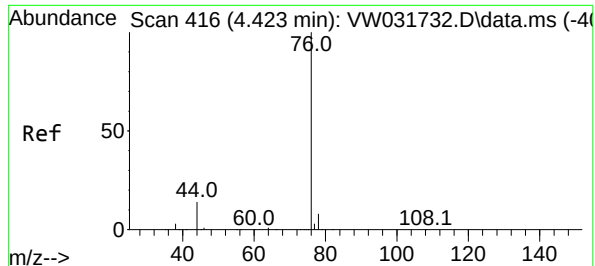
Tgt Ion: 43 Resp: 352601

Ion Ratio Lower Upper

43 100

58 31.0 24.8 37.2





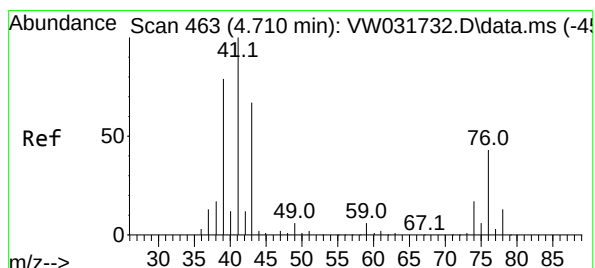
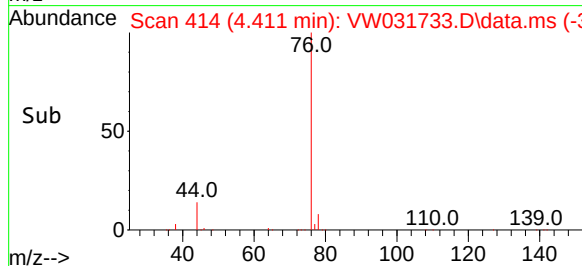
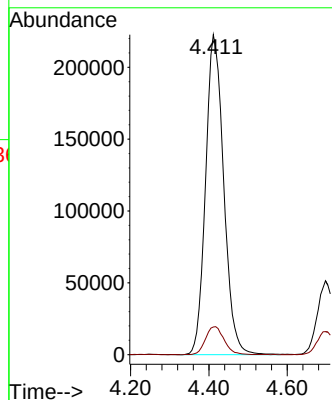
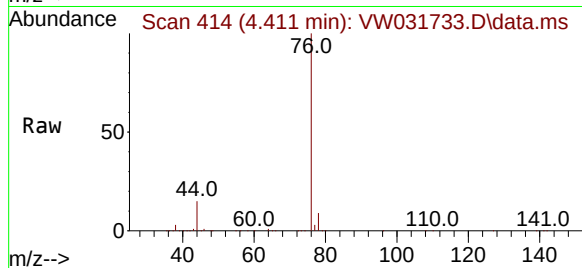
#17
Carbon Disulfide
Concen: 99.742 ug/l
RT: 4.411 min Scan# 416
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 714624
Ion Ratio Lower Upper
76 100
78 8.6 6.6 10.0

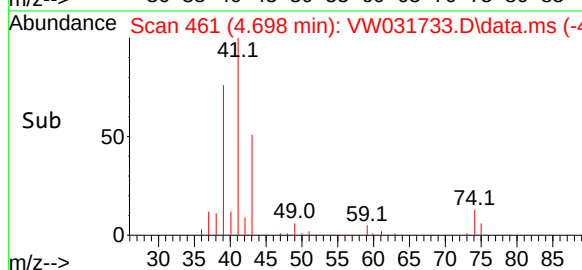
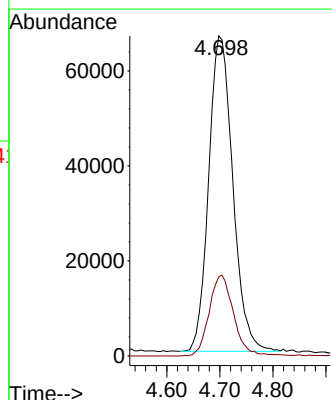
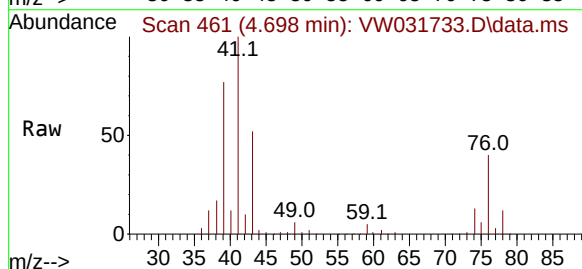
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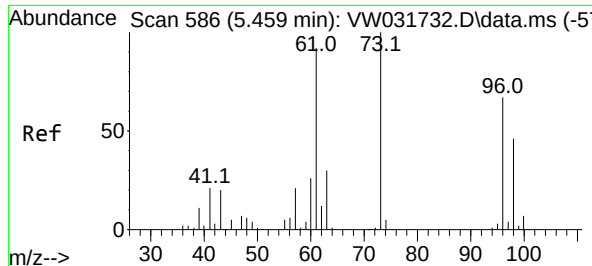
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#18
Methyl Acetate
Concen: 92.083 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 209762
Ion Ratio Lower Upper
43 100
74 26.0 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 97.146 ug/l

RT: 5.454 min Scan# 501

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 44147

Ion Ratio Lower Upper

73 100

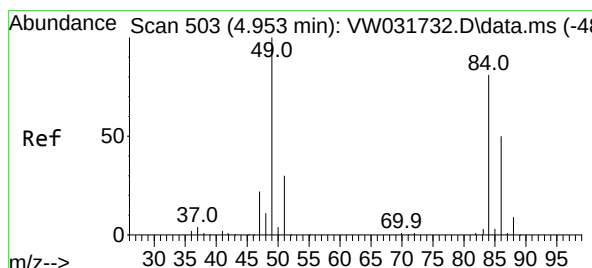
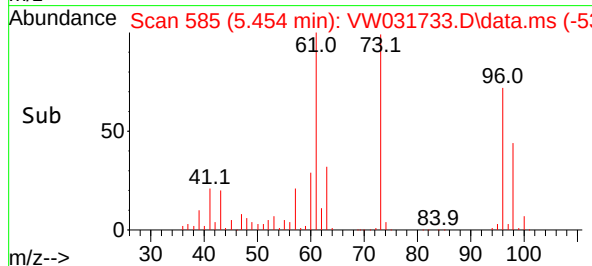
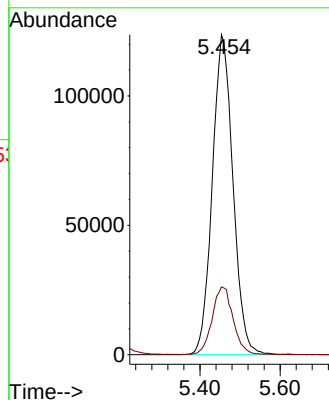
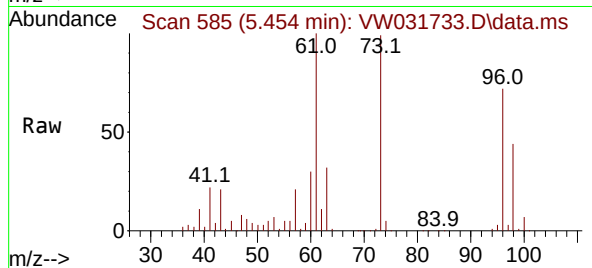
57 21.1 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 99.868 ug/l

RT: 4.942 min Scan# 501

Delta R.T. -0.012 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Tgt Ion: 84 Resp: 294557

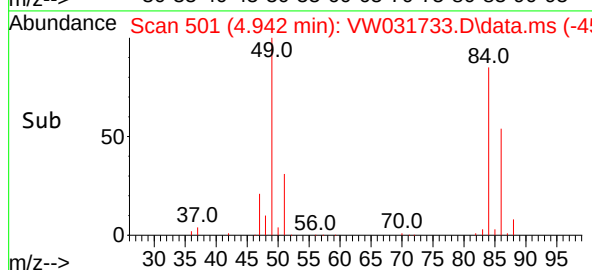
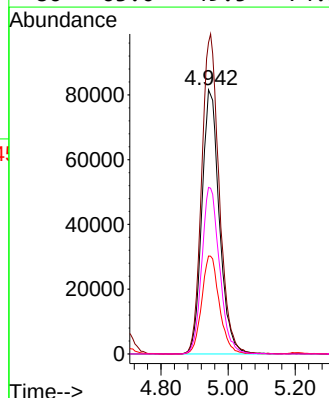
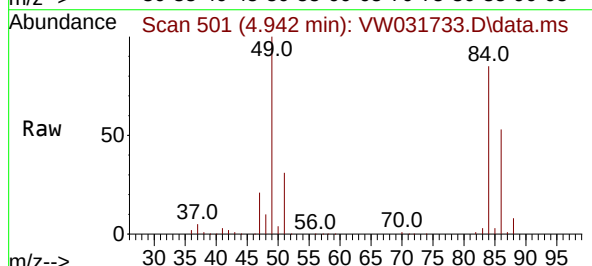
Ion Ratio Lower Upper

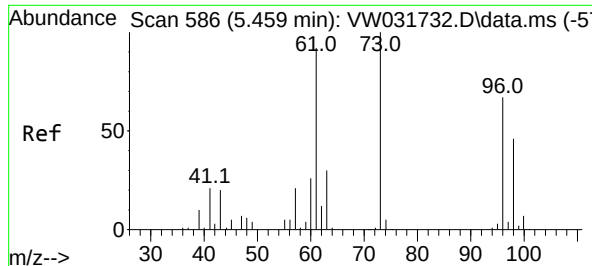
84 100

49 117.8 98.2 147.4

51 37.1 29.8 44.8

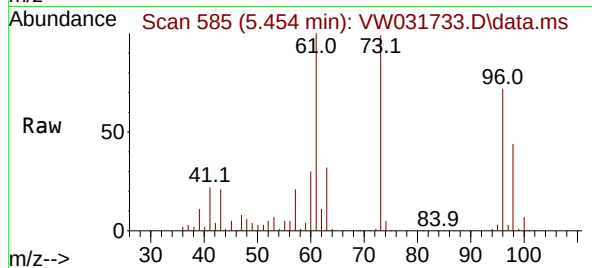
86 63.0 49.5 74.3





#21
trans-1,2-Dichloroethene
Concen: 99.689 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

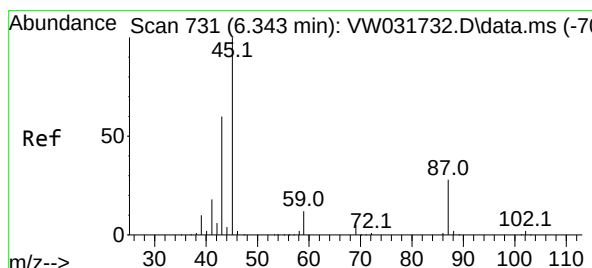
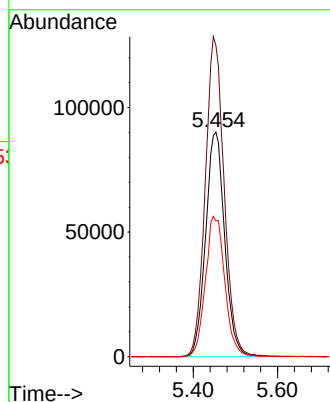
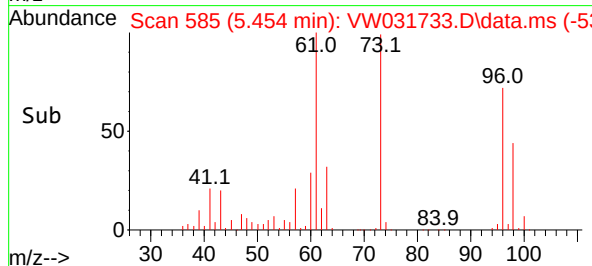
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 28361
Ion Ratio Lower Upper
96 100
61 138.5 109.8 164.6
98 60.4 54.9 82.3

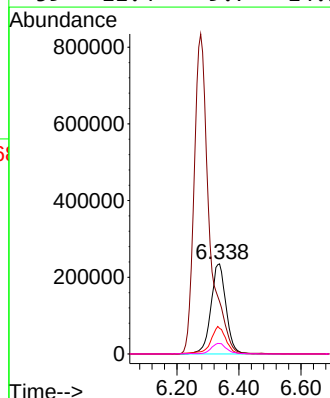
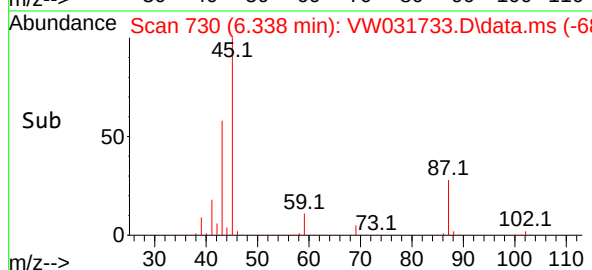
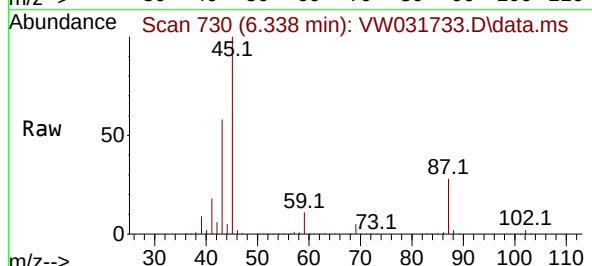
Manual Integrations
APPROVED

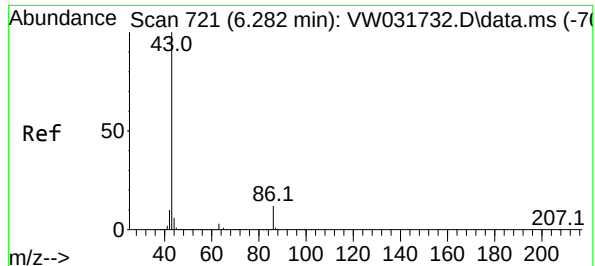
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#22
Diisopropyl ether
Concen: 98.968 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 45 Resp: 792929
Ion Ratio Lower Upper
45 100
43 58.0 48.3 72.5
87 28.5 22.6 34.0
59 11.4 9.7 14.5





#23

Vinyl Acetate

Concen: 511.492 ug/l

RT: 6.277 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2799130

Ion Ratio Lower Upper

43

100

86

11.6

9.2

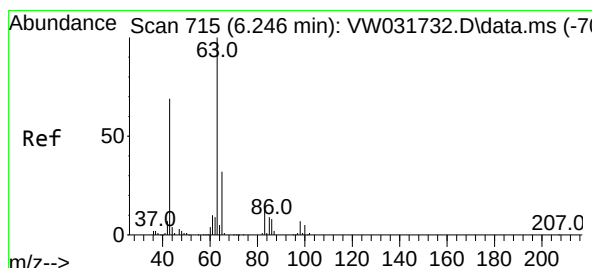
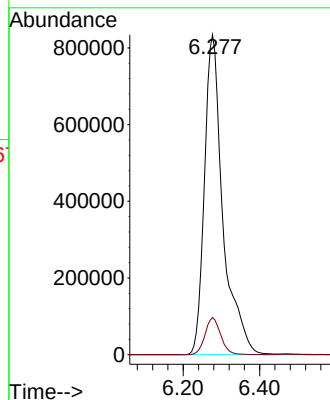
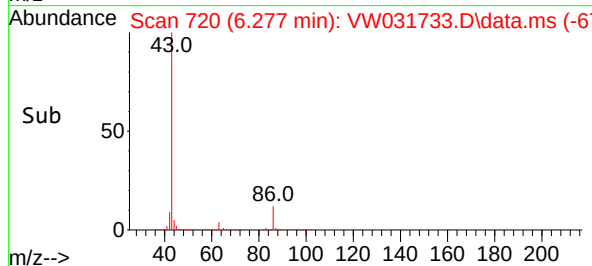
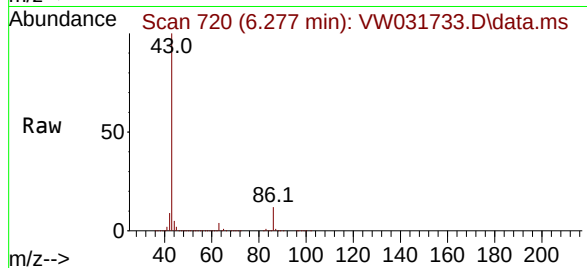
13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 97.821 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 508118

Ion Ratio Lower Upper

63

100

98

6.9

3.5

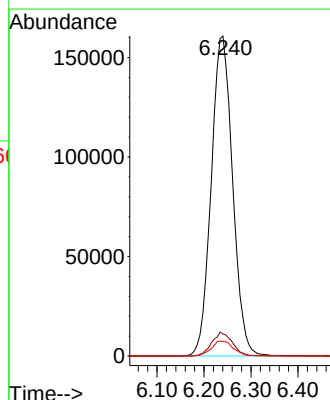
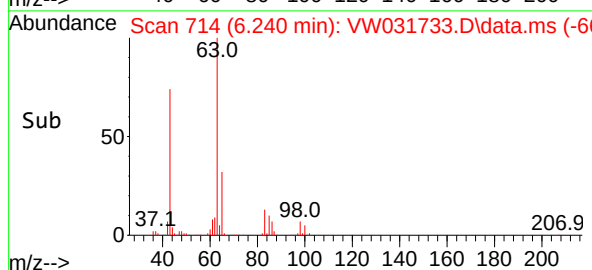
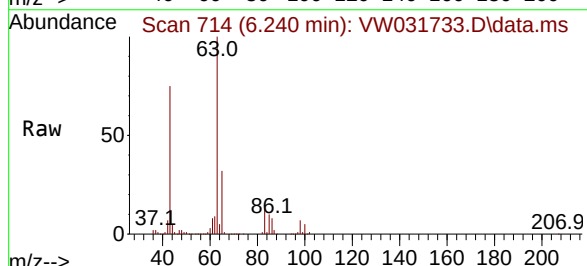
10.6

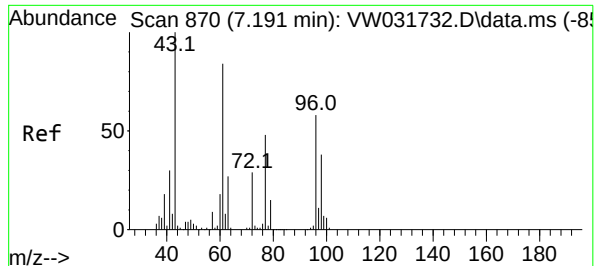
100

4.5

2.5

7.5





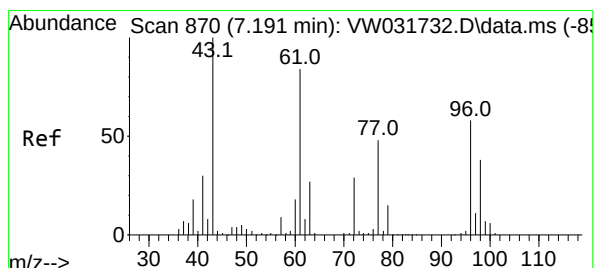
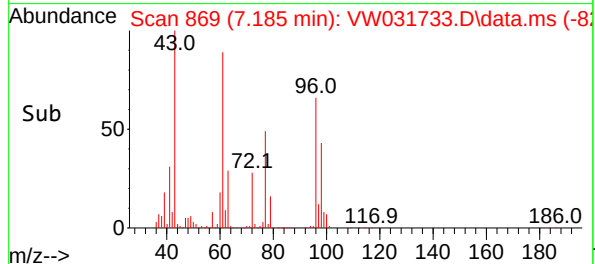
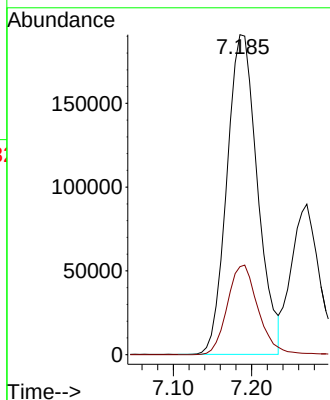
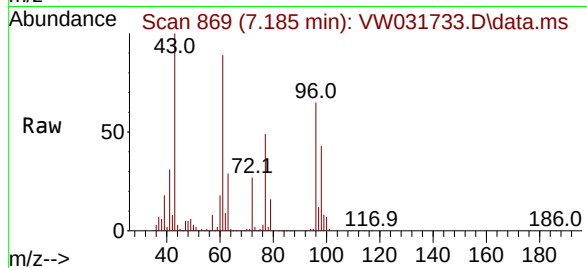
#25
2-Butanone
Concen: 500.581 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 519074
Ion Ratio Lower Upper
43 100
72 27.5 23.0 34.6

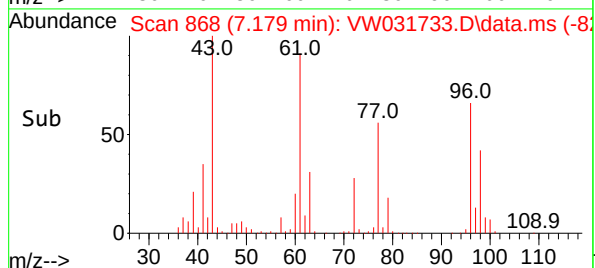
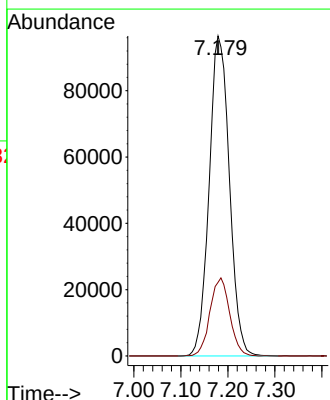
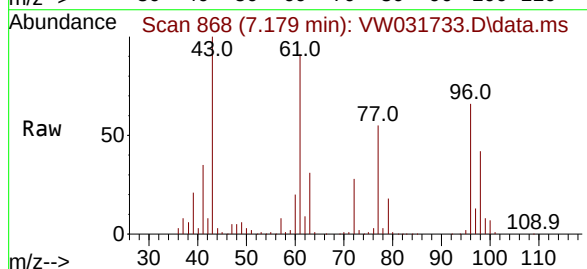
Manual Integrations
APPROVED

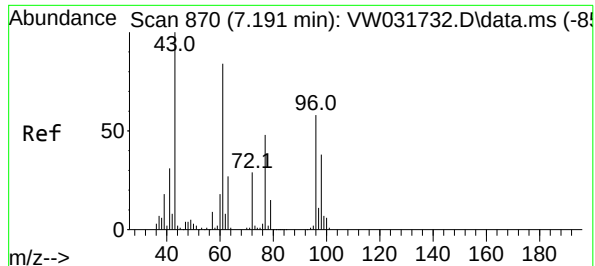
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#26
2,2-Dichloropropane
Concen: 95.325 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 77 Resp: 288897
Ion Ratio Lower Upper
77 100
97 23.7 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 101.187 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 330910

Ion Ratio Lower Upper

96 100

61 140.7 0.0 286.8

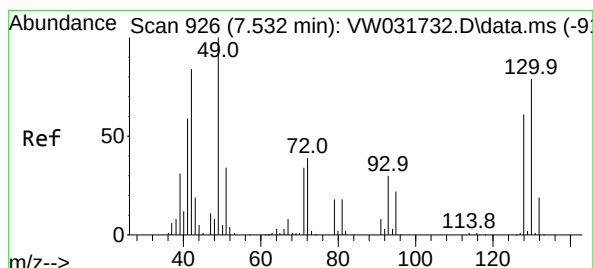
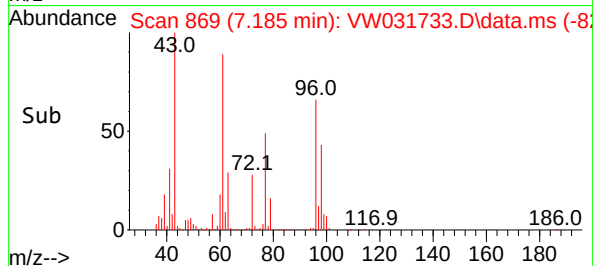
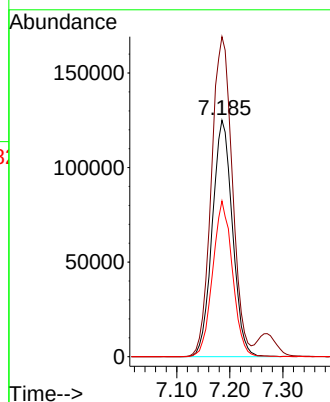
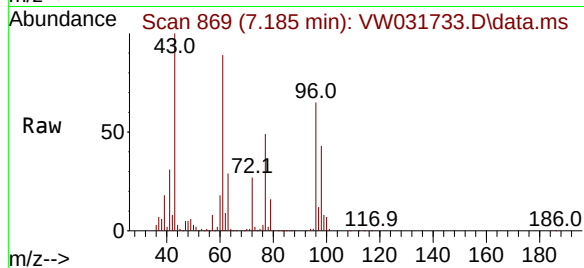
98 64.5 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 97.940 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

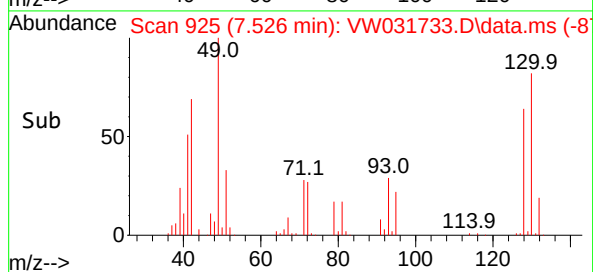
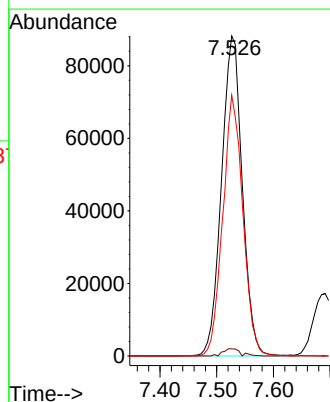
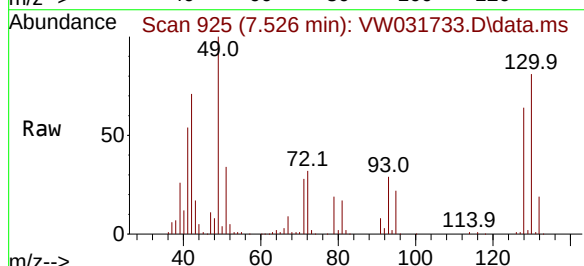
Tgt Ion: 49 Resp: 224498

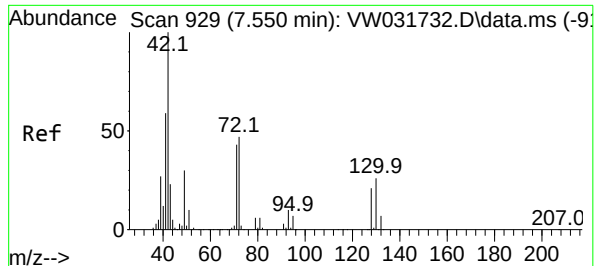
Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.4

130 78.7 61.3 91.9





#29

Tetrahydrofuran

Concen: 492.168 ug/l

RT: 7.545 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 34950

Ion Ratio Lower Upper

42 100

72 45.9 36.8 55.2

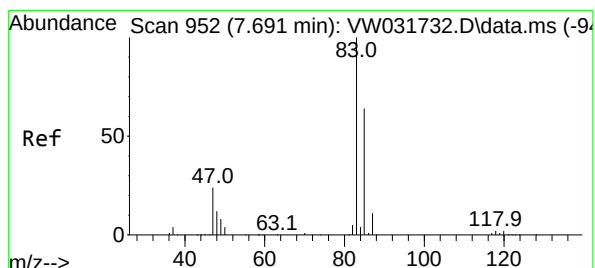
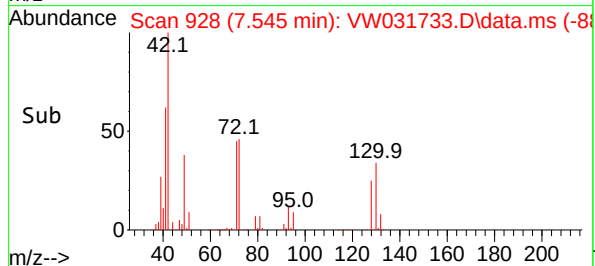
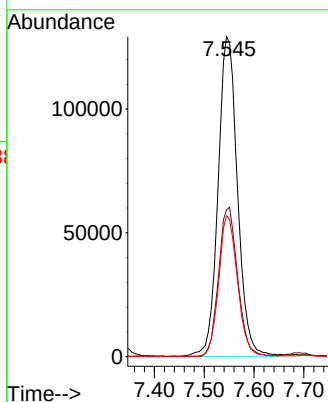
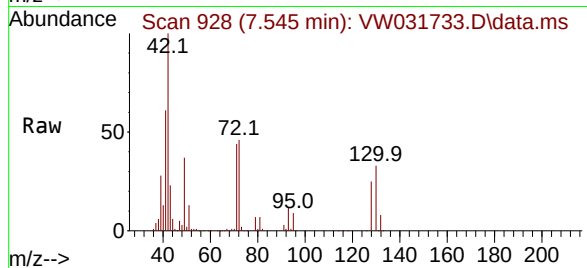
71 42.8 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 96.841 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031733.D

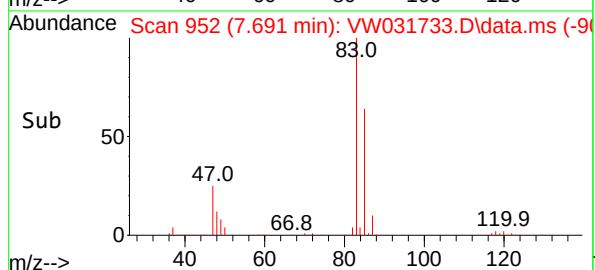
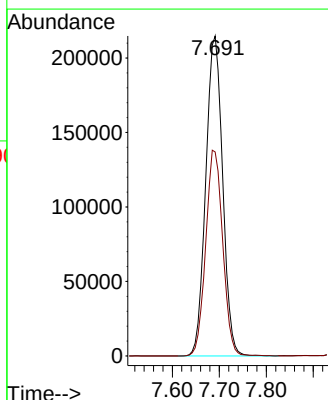
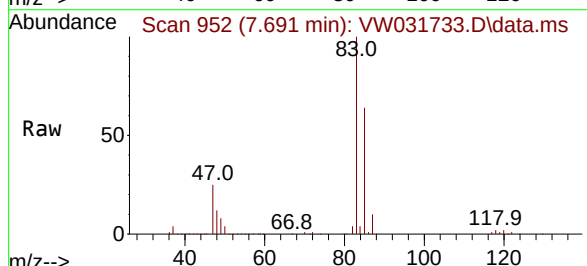
Acq: 30 Jun 2025 12:34

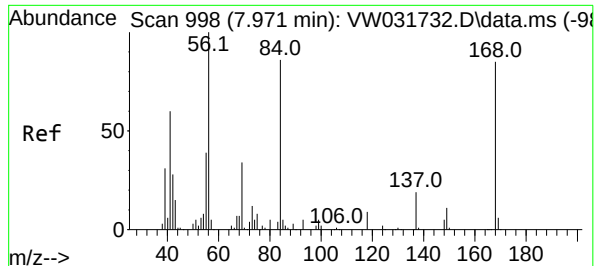
Tgt Ion: 83 Resp: 534507

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.0





#31

Cyclohexane

Concen: 91.965 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 42226

Ion Ratio Lower Upper

56 100

69 33.9 27.2 40.8

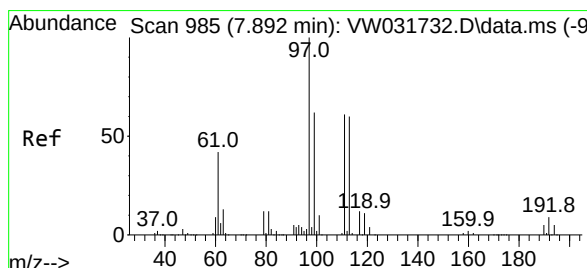
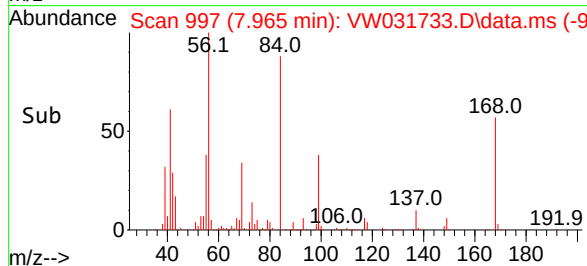
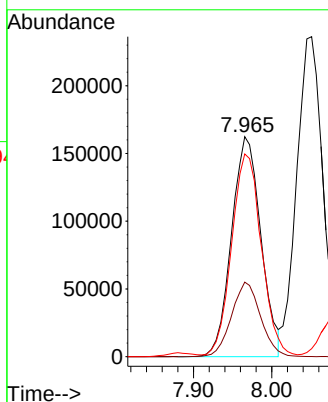
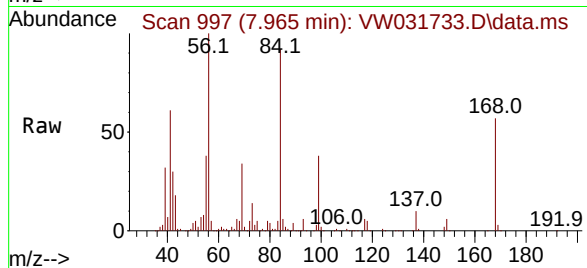
84 90.3 68.5 102.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#32

1,1,1-Trichloroethane

Concen: 95.829 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

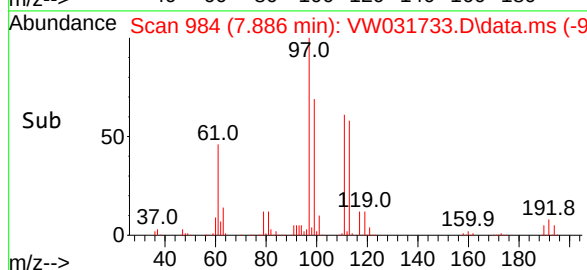
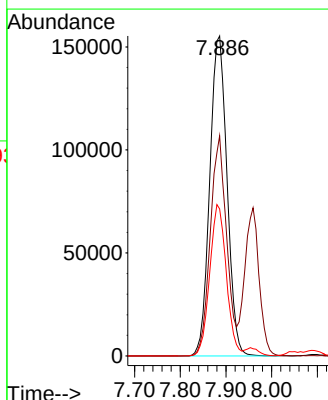
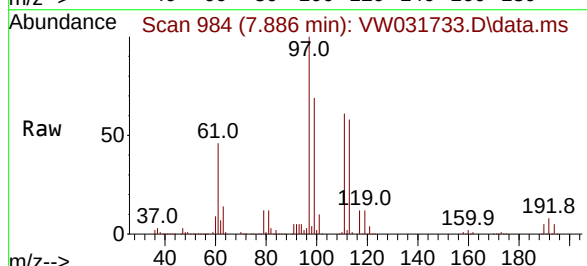
Tgt Ion: 97 Resp: 407612

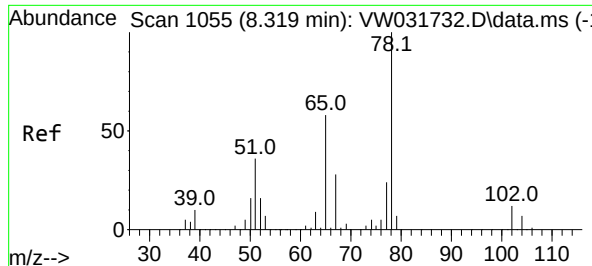
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 45.6 36.0 54.0





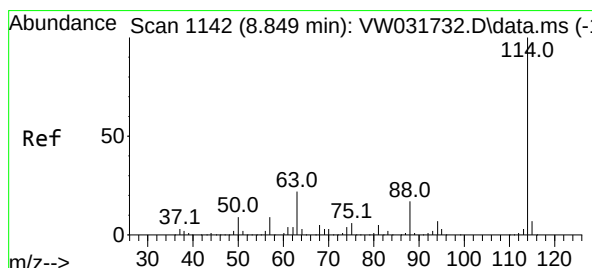
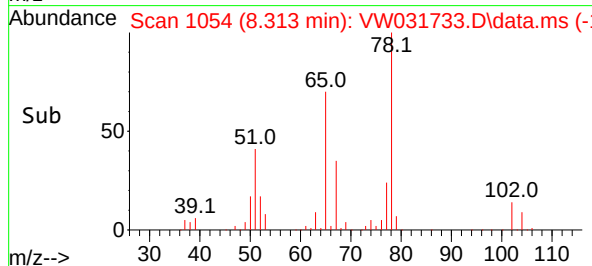
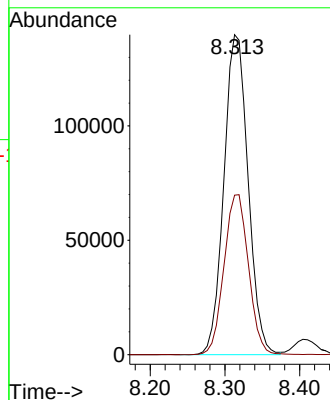
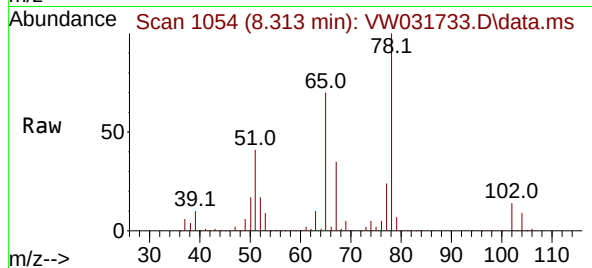
#33
1,2-Dichloroethane-d4
Concen: 97.777 ug/l
RT: 8.313 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 31530
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4

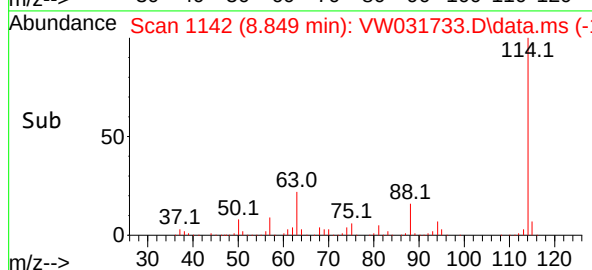
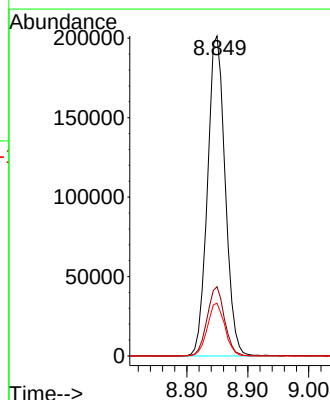
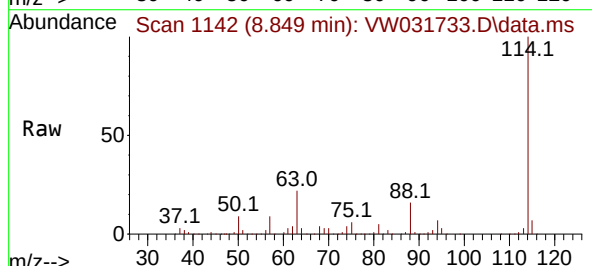
Manual Integrations
APPROVED

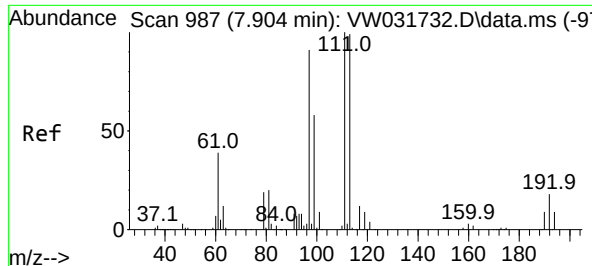
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:114 Resp: 406265
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 100.118 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 265418

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

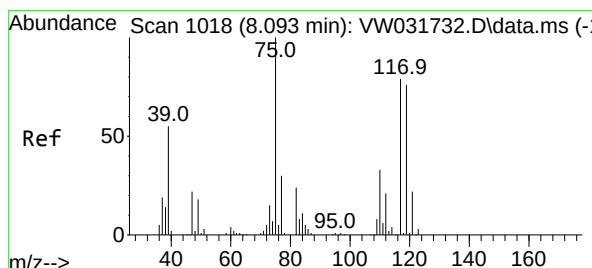
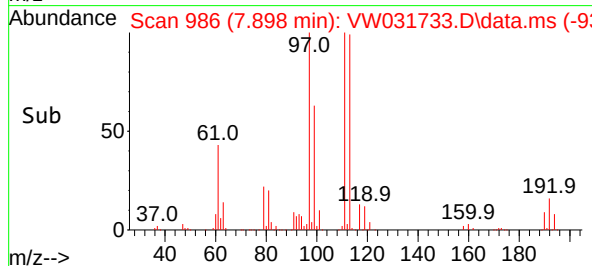
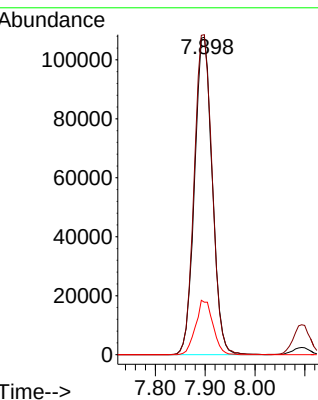
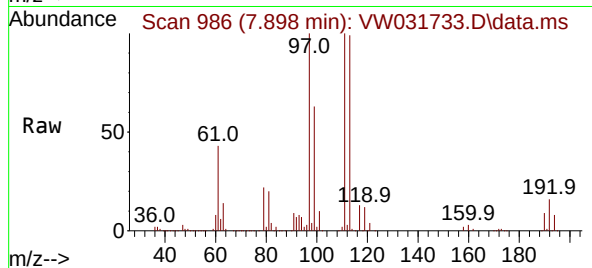
192 16.8 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 97.982 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

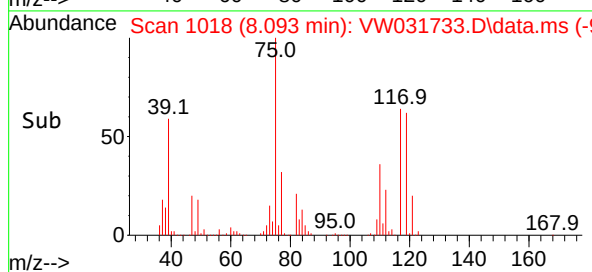
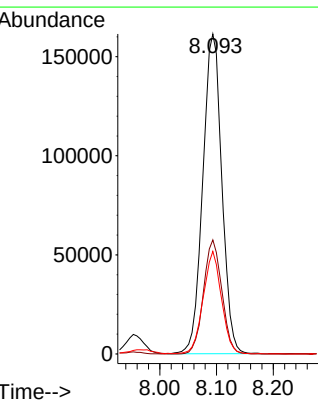
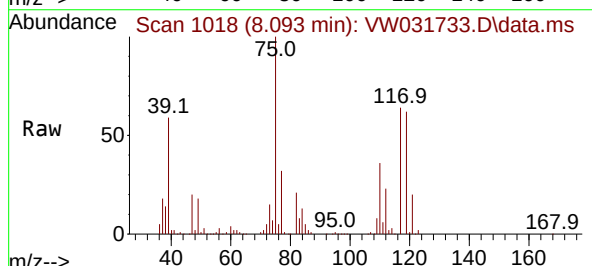
Tgt Ion: 75 Resp: 375878

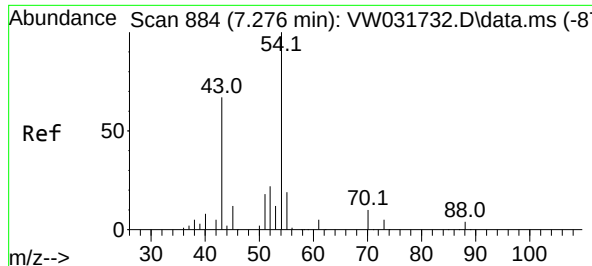
Ion Ratio Lower Upper

75 100

110 34.3 16.8 50.4

77 30.7 25.0 37.6





#37

Ethyl Acetate

Concen: 94.474 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

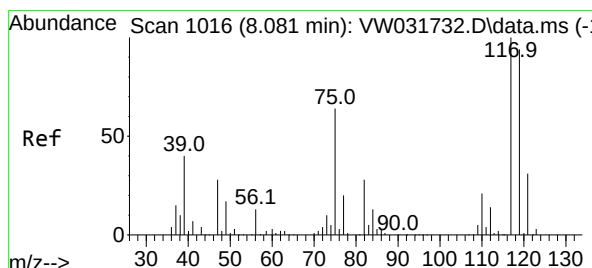
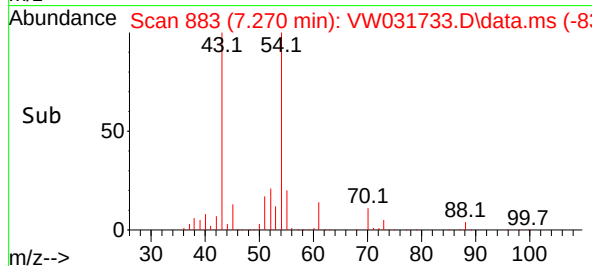
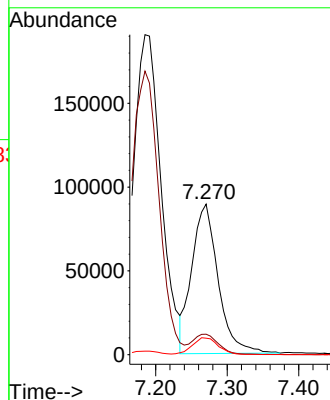
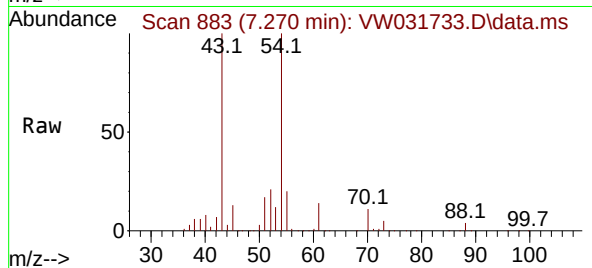
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	228624
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.2	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 97.306 ug/l

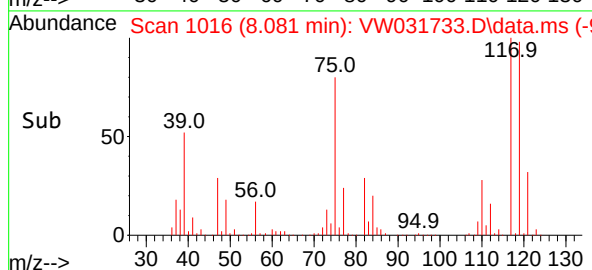
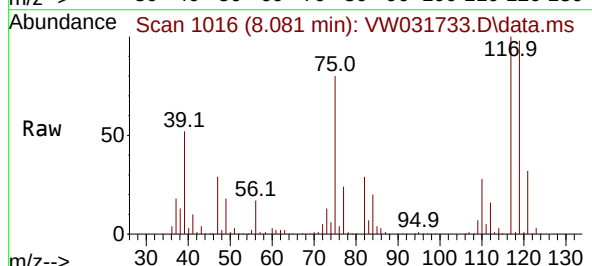
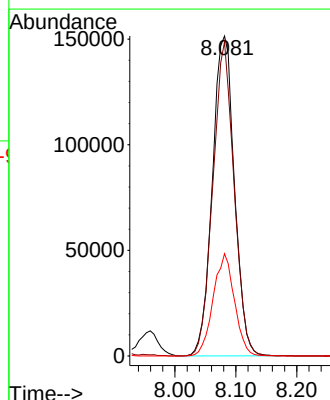
RT: 8.081 min Scan# 1016

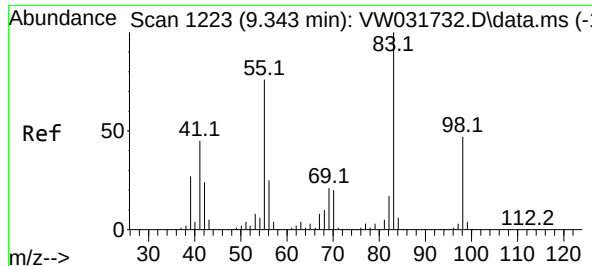
Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Tgt Ion:	117	Resp:	380387
Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.0	112.6
121	31.9	24.6	37.0





#39

Methylcyclohexane

Concen: 100.834 ug/l

RT: 9.337 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 481270

Ion Ratio Lower Upper

83 100

55 75.7 61.0 91.4

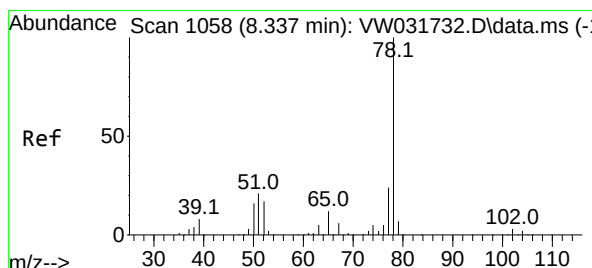
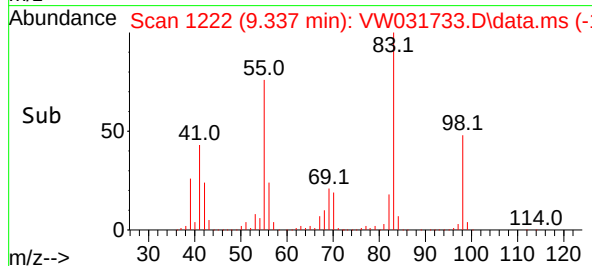
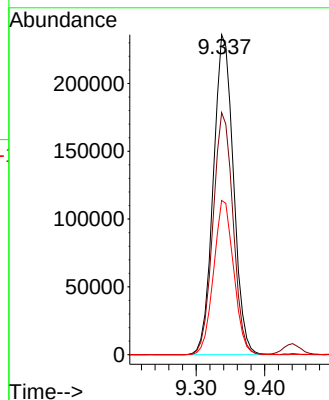
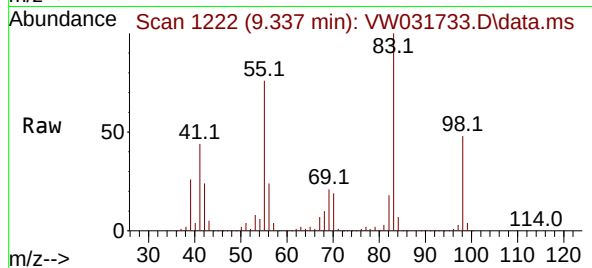
98 48.2 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 96.598 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031733.D

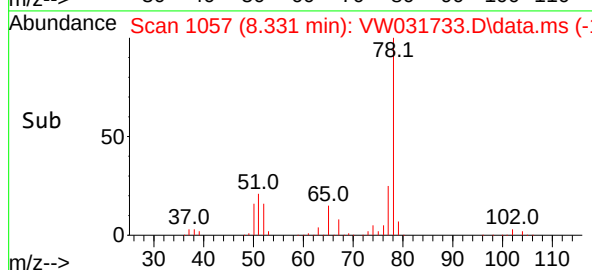
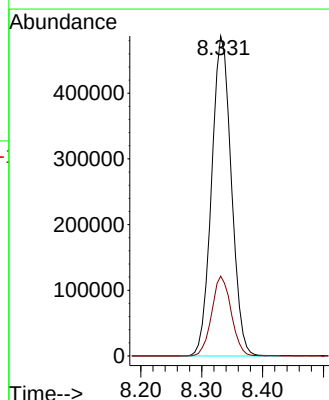
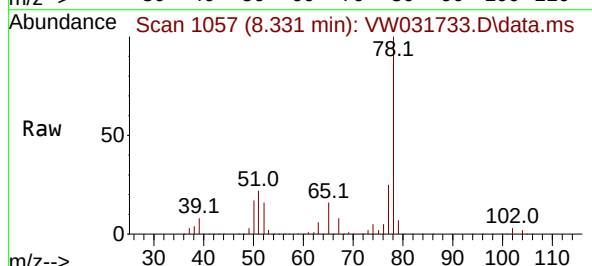
Acq: 30 Jun 2025 12:34

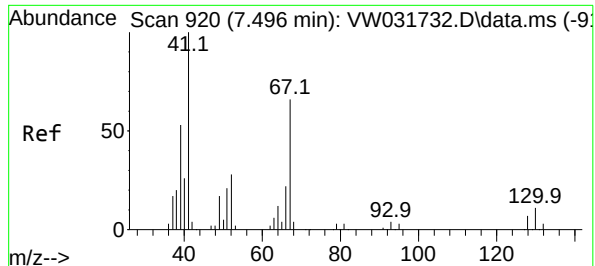
Tgt Ion: 78 Resp: 1096371

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8





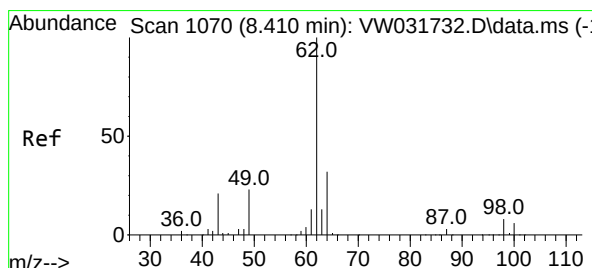
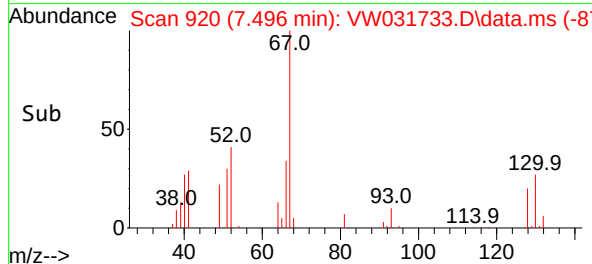
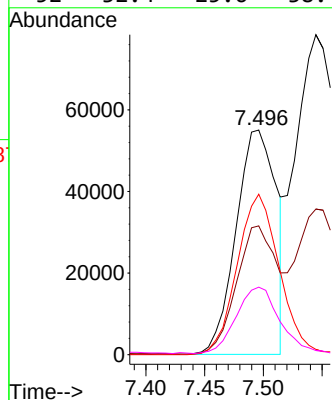
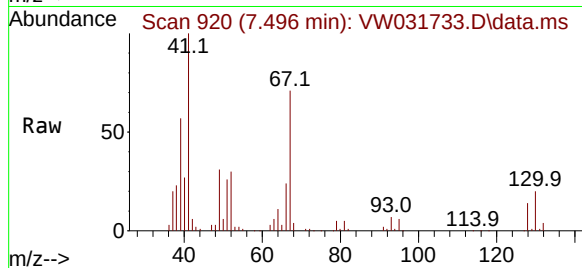
#41
Methacrylonitrile
Concen: 101.206 ug/l
RT: 7.496 min Scan# 912
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 131200
Ion Ratio Lower Upper
41 100
39 55.6 43.2 64.8
67 75.4 58.1 87.1
52 32.4 25.6 38.4

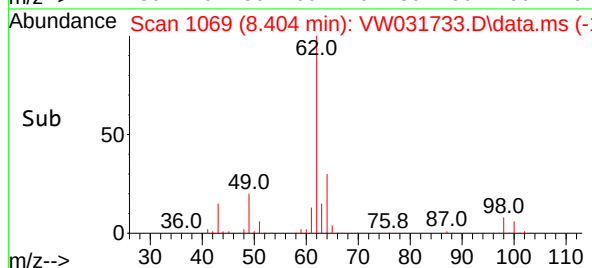
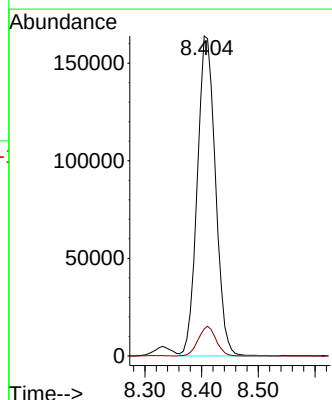
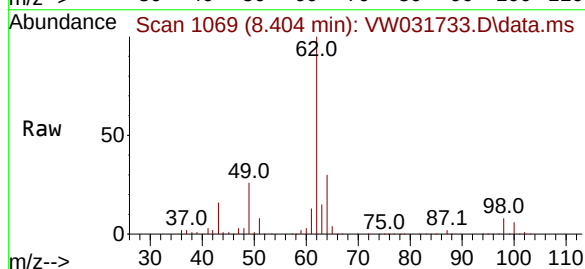
Manual Integrations
APPROVED

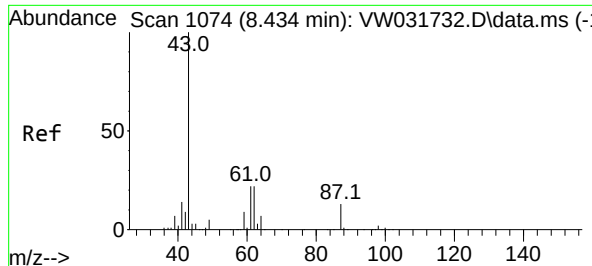
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 95.068 ug/l
RT: 8.404 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 364585
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.2





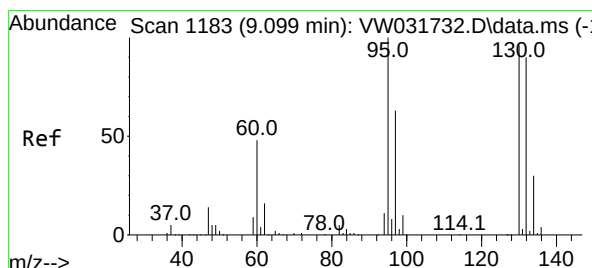
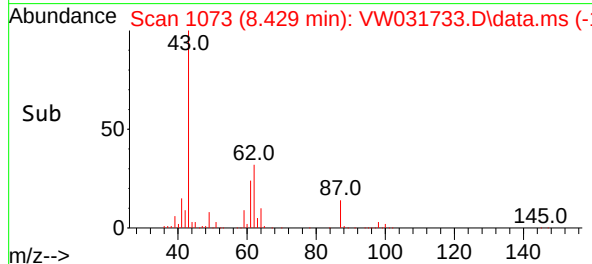
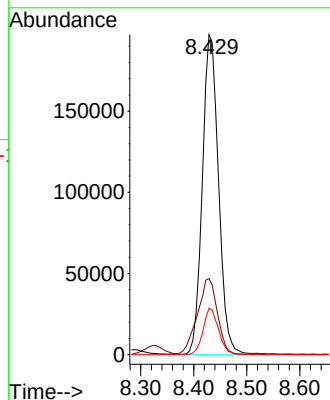
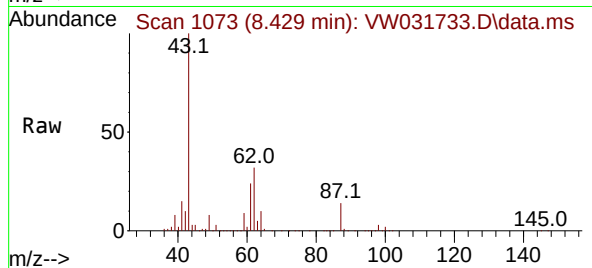
#43
Isopropyl Acetate
Concen: 100.040 ug/l
RT: 8.429 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 41731
Ion Ratio Lower Upper
43 100
61 29.7 23.1 34.7
87 13.9 10.8 16.2

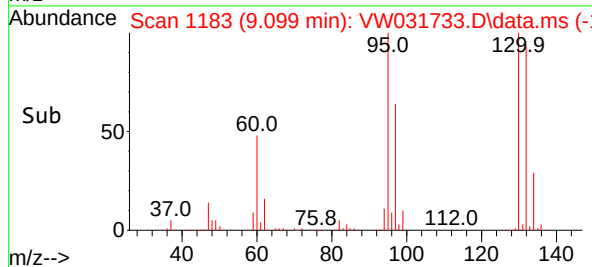
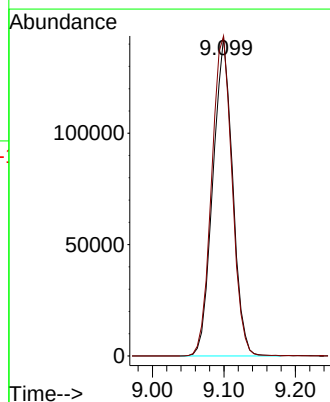
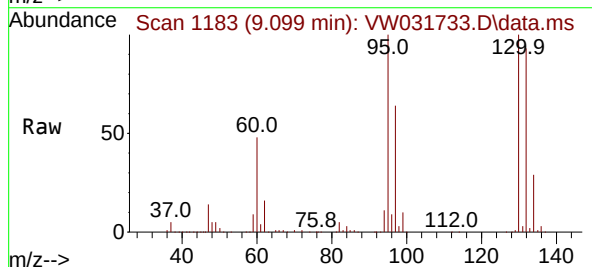
Manual Integrations
APPROVED

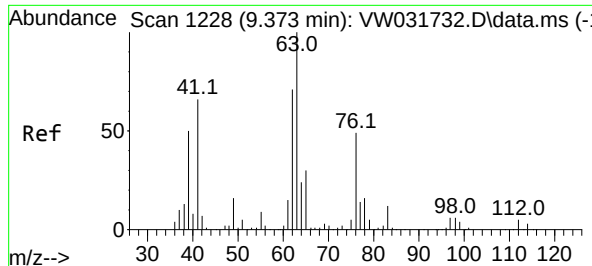
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#44
Trichloroethene
Concen: 96.676 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:130 Resp: 273865
Ion Ratio Lower Upper
130 100
95 100.4 0.0 208.6





#45

1,2-Dichloropropane

Concen: 95.956 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 263210

Ion Ratio Lower Upper

63 100

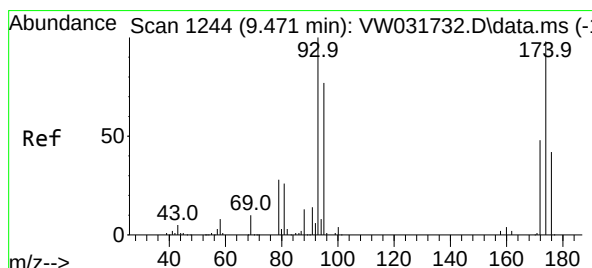
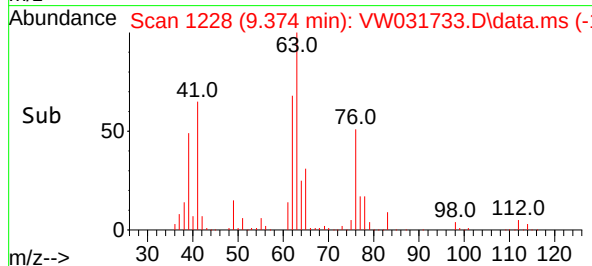
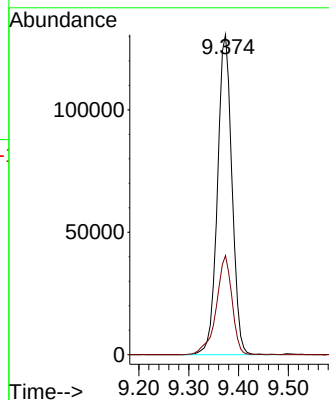
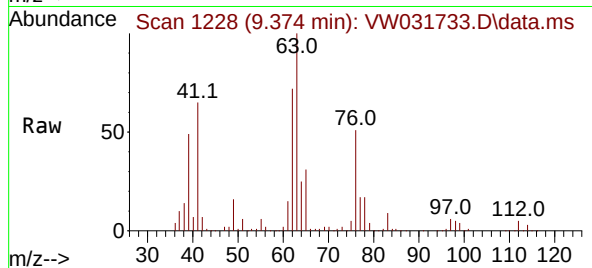
65 31.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 94.732 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

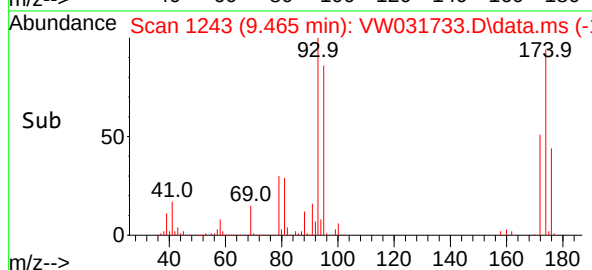
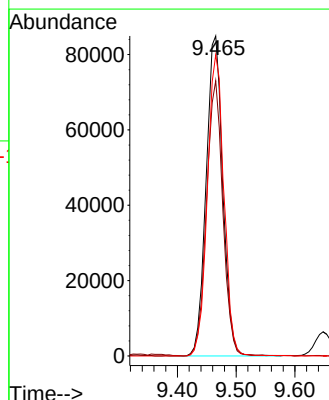
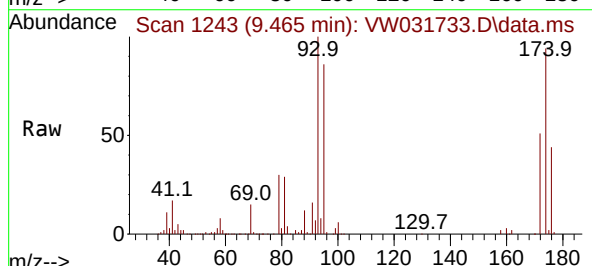
Tgt Ion: 93 Resp: 167767

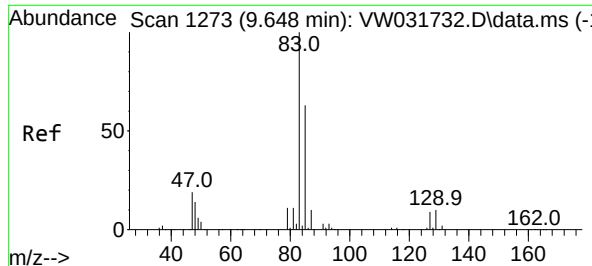
Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.4

174 93.3 71.7 107.5





#47

Bromodichloromethane

Concen: 98.177 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

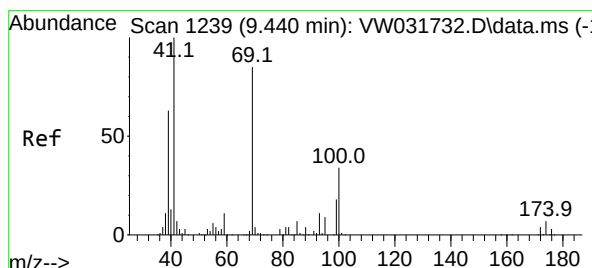
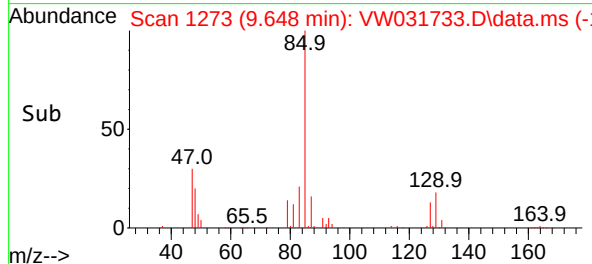
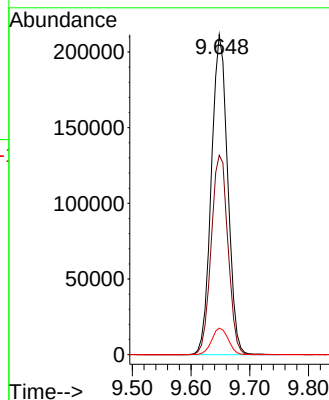
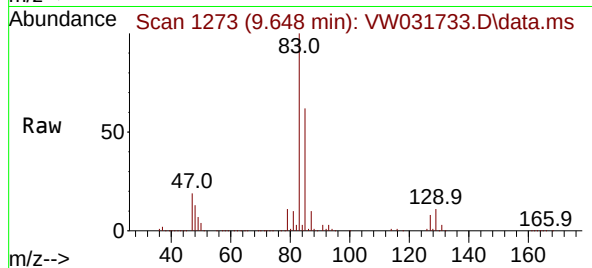
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	40771
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	8.3	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#48

Methyl methacrylate

Concen: 100.953 ug/l

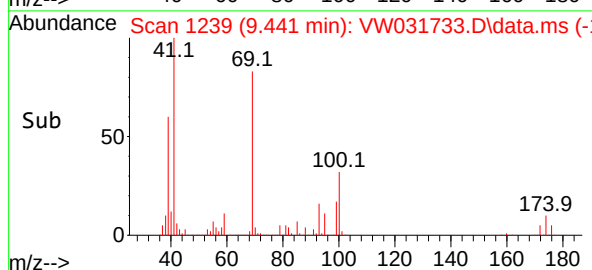
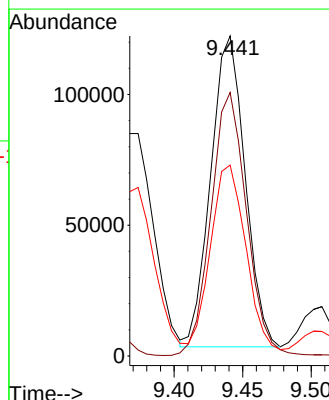
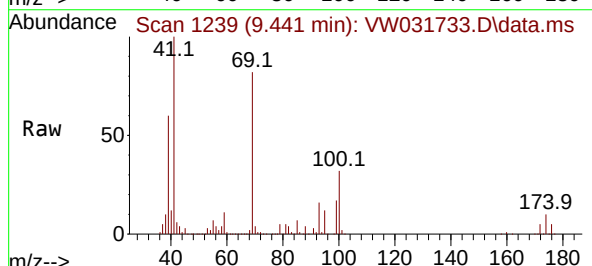
RT: 9.441 min Scan# 1239

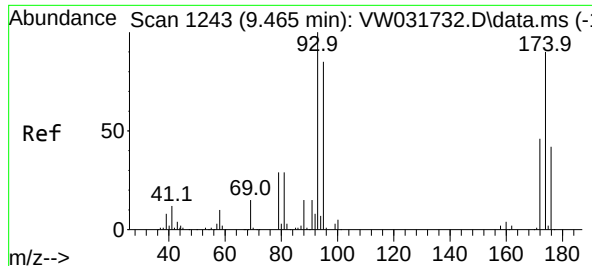
Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Tgt Ion:	41	Resp:	207070
Ion	Ratio	Lower	Upper
41	100		
69	88.0	71.6	107.4
39	59.9	49.5	74.3





#49

1,4-Dioxane

Concen: 2094.300 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 3948

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

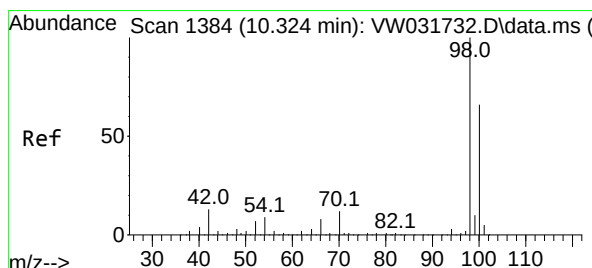
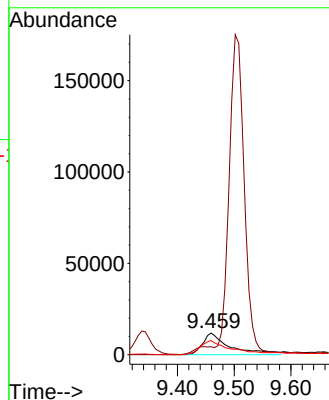
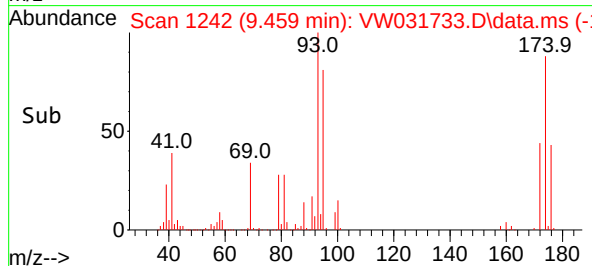
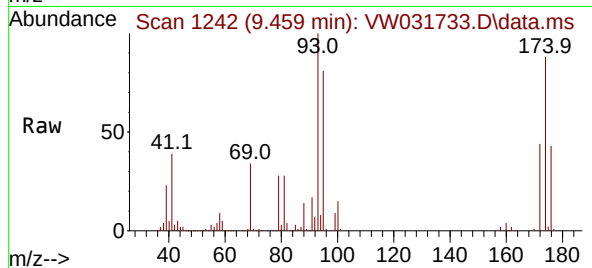
58 72.3 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 101.188 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031733.D

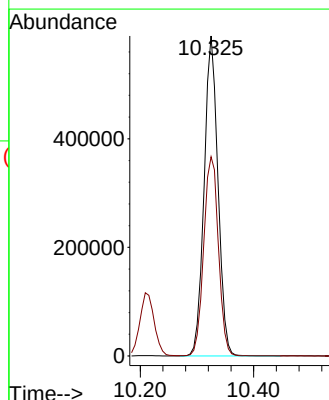
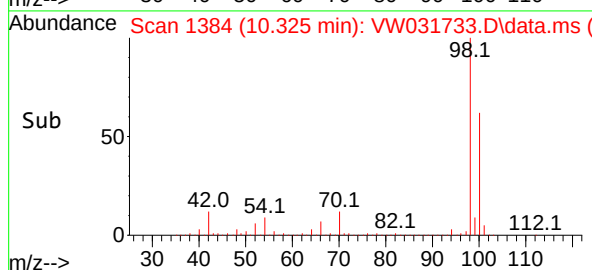
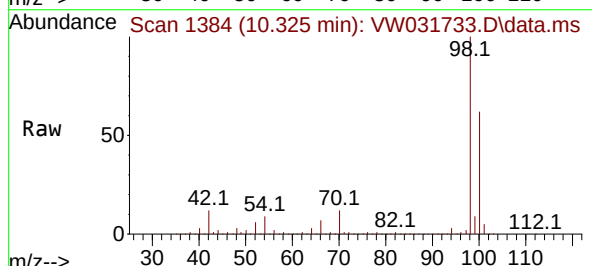
Acq: 30 Jun 2025 12:34

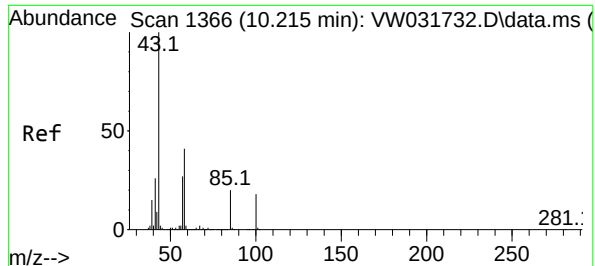
Tgt Ion: 98 Resp: 998288

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4





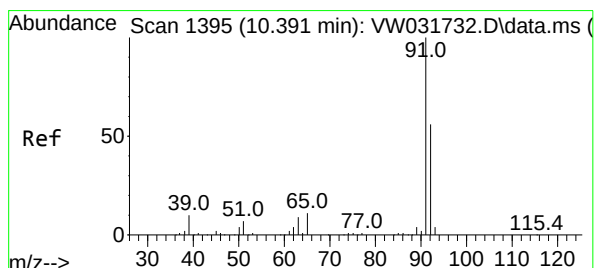
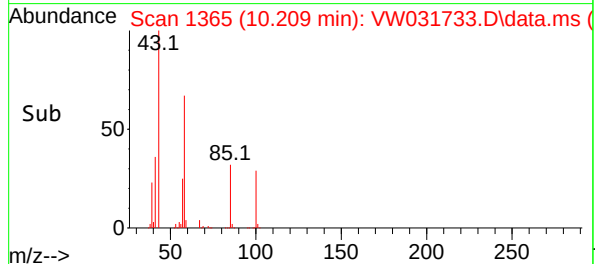
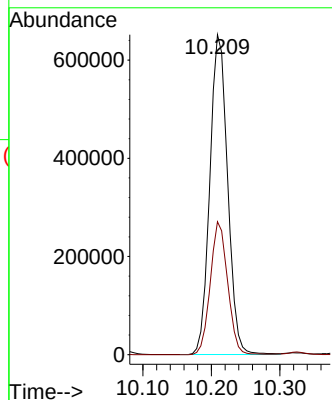
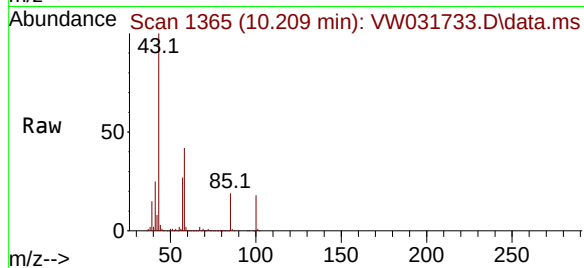
#51
4-Methyl-2-Pentanone
Concen: 489.871 ug/l
RT: 10.209 min Scan# 117482
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 117482
Ion Ratio Lower Upper
43 100
58 40.6 32.2 48.2

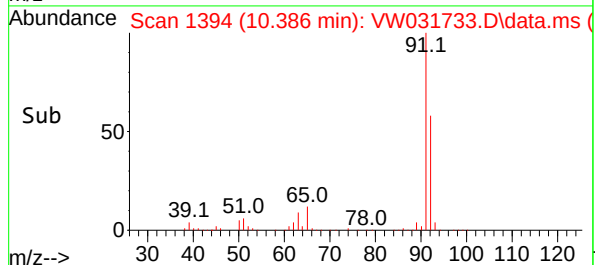
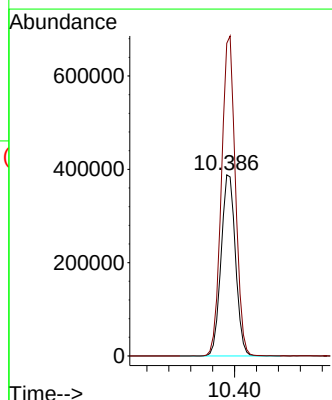
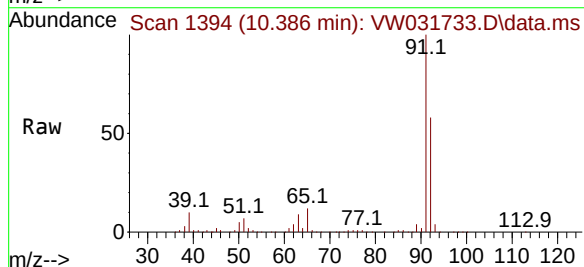
Manual Integrations
APPROVED

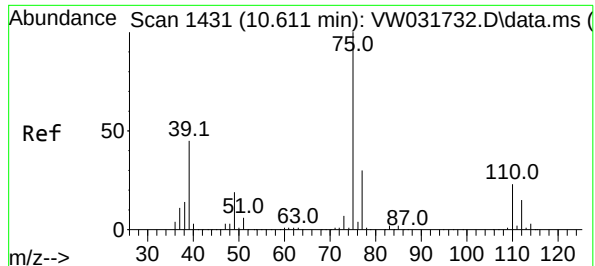
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 97.739 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 92 Resp: 710254
Ion Ratio Lower Upper
92 100
91 171.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 103.743 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 404225

Ion Ratio Lower Upper

75 100

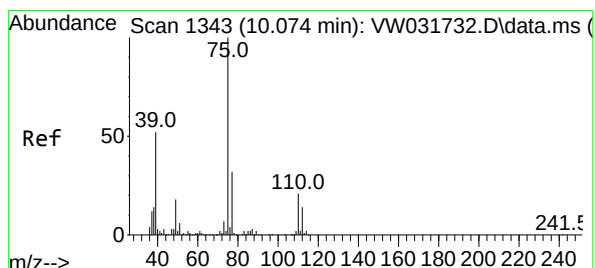
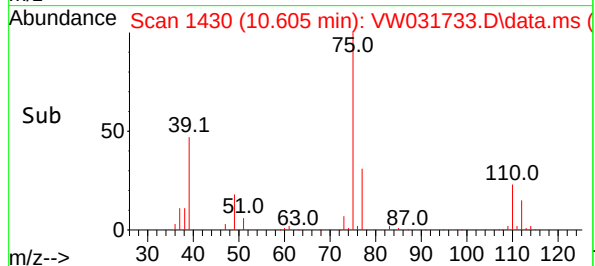
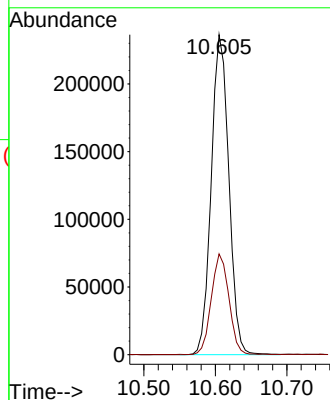
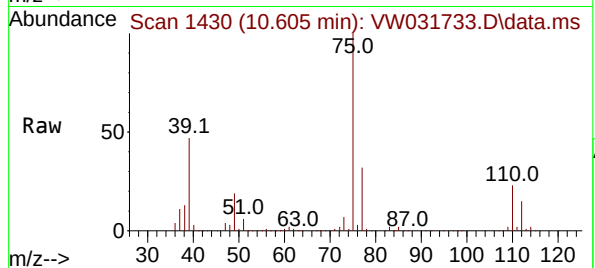
77 31.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#54

cis-1,3-Dichloropropene

Concen: 100.610 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

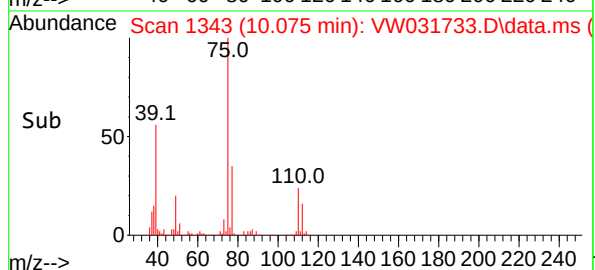
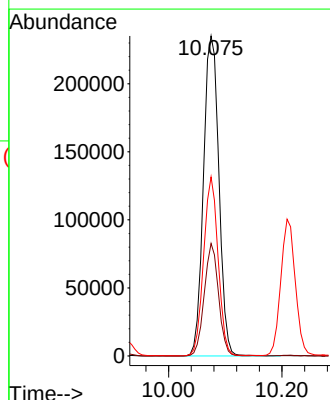
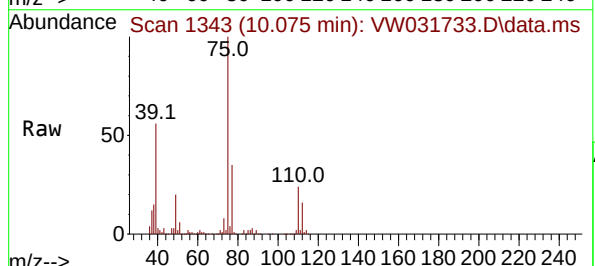
Tgt Ion: 75 Resp: 444410

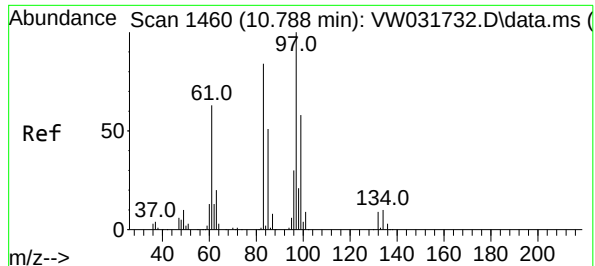
Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.2

39 55.9 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 96.178 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 22311

Ion Ratio Lower Upper

97 100

83 84.0 66.9 100.3

85 53.3 41.1 61.7

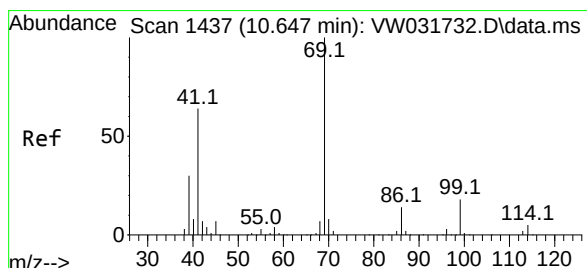
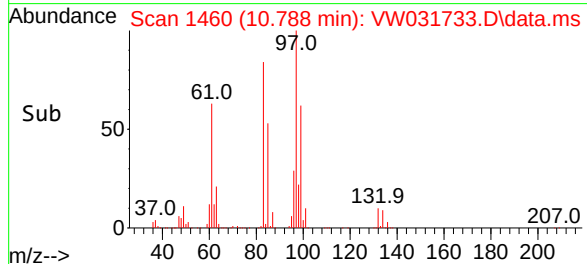
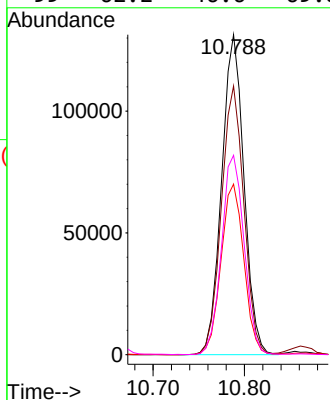
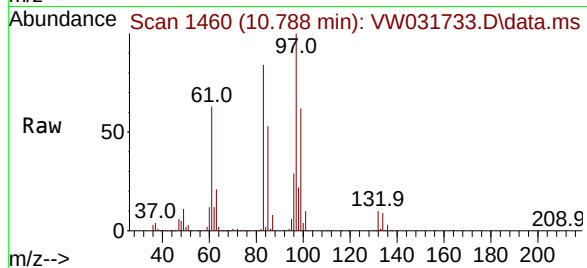
99 62.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 103.792 ug/l

RT: 10.642 min Scan# 1436

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

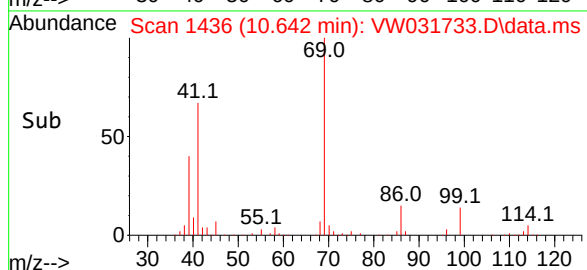
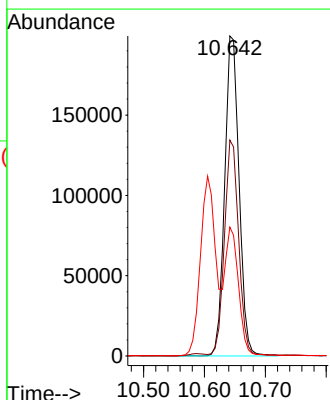
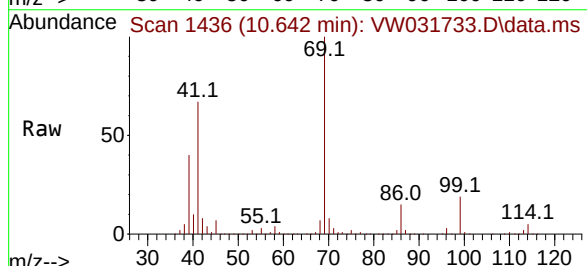
Tgt Ion: 69 Resp: 326655

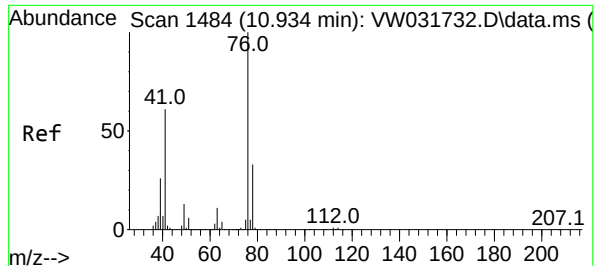
Ion Ratio Lower Upper

69 100

41 66.2 53.3 79.9

39 35.2 30.2 45.2





#57

1,3-Dichloropropane

Concen: 95.120 ug/l

RT: 10.928 min Scan# 1483

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 38741

Ion Ratio Lower Upper

76 100

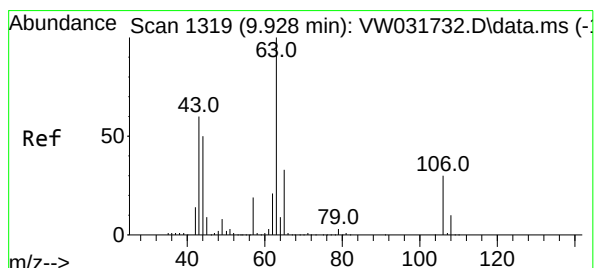
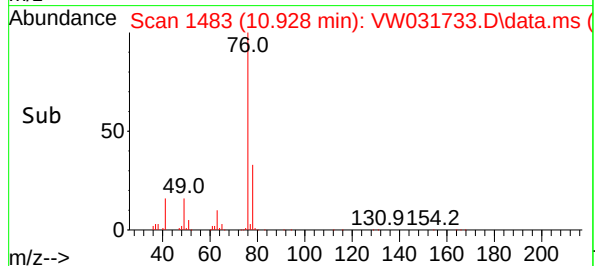
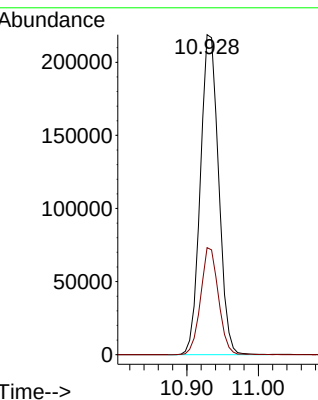
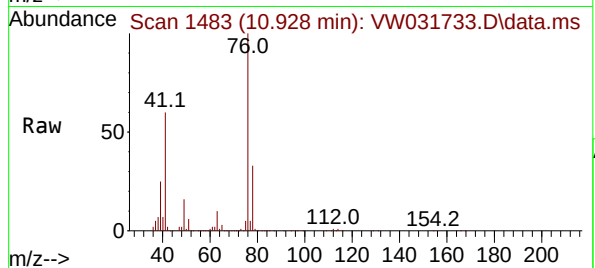
78 32.7 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 523.732 ug/l

RT: 9.922 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VW031733.D

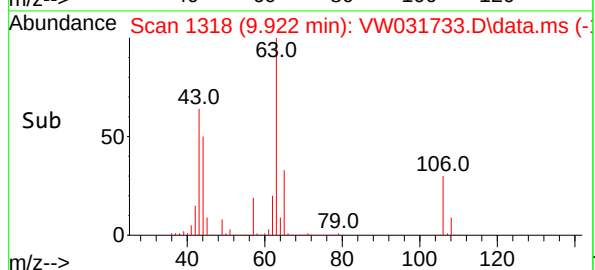
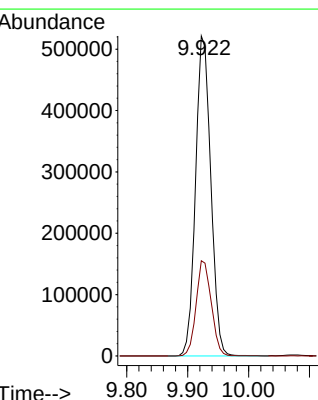
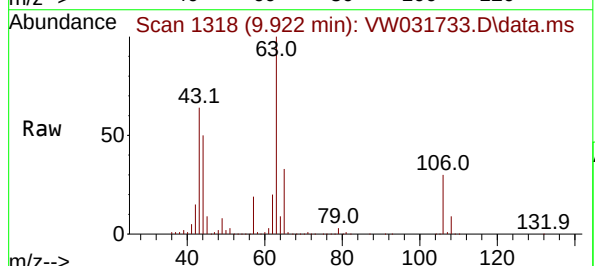
Acq: 30 Jun 2025 12:34

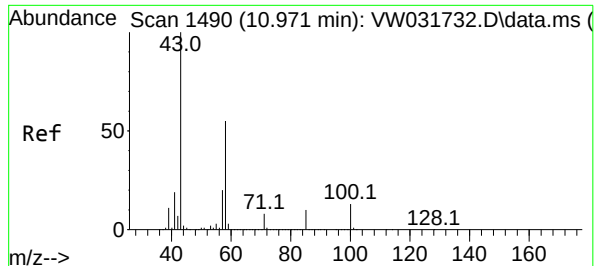
Tgt Ion: 63 Resp: 907630

Ion Ratio Lower Upper

63 100

106 29.5 24.1 36.1





#59

2-Hexanone

Concen: 502.809 ug/l

RT: 10.965 min Scan# 1490

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 81713

Ion Ratio Lower Upper

43 100

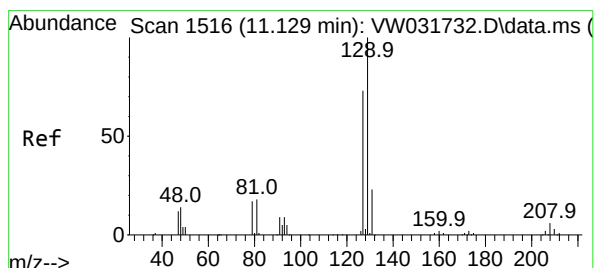
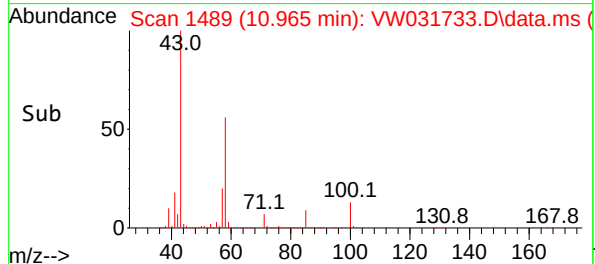
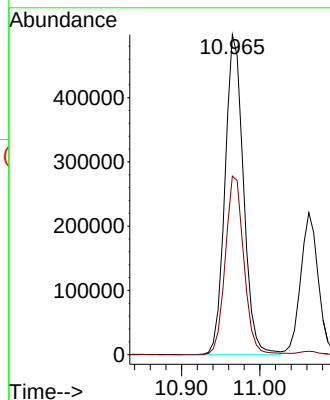
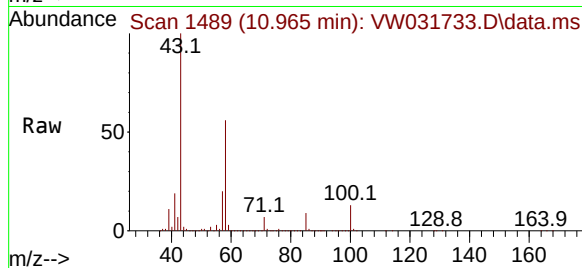
58 56.2 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 98.517 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031733.D

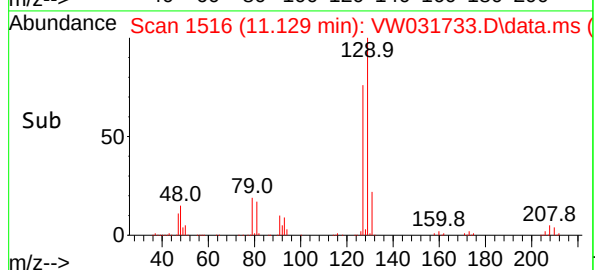
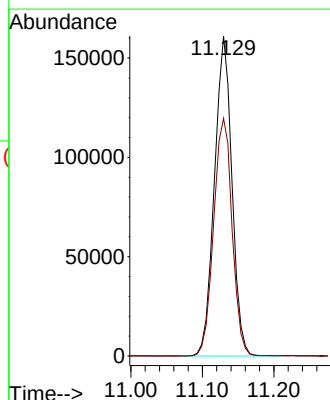
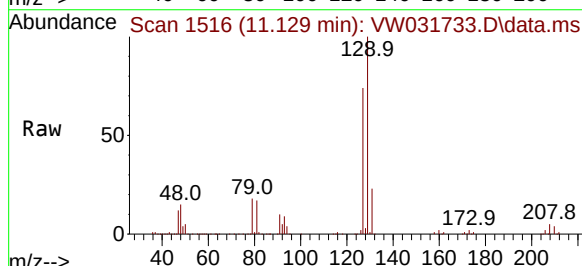
Acq: 30 Jun 2025 12:34

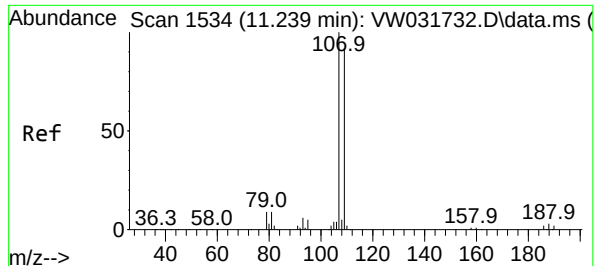
Tgt Ion:129 Resp: 273293

Ion Ratio Lower Upper

129 100

127 78.3 38.0 114.1





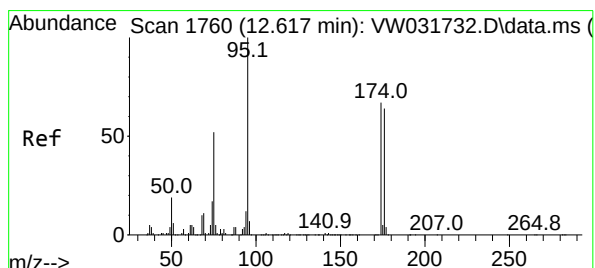
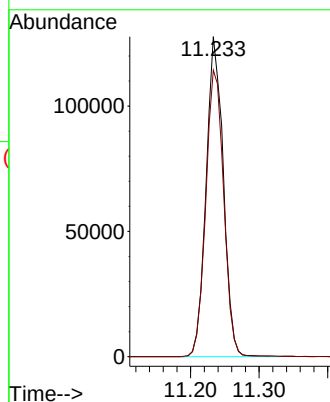
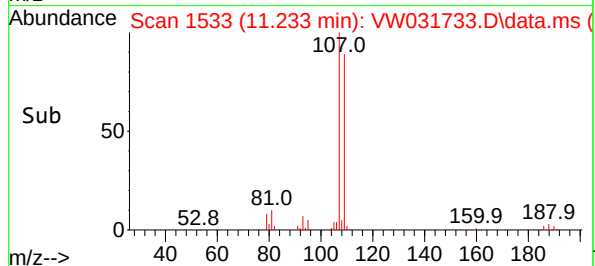
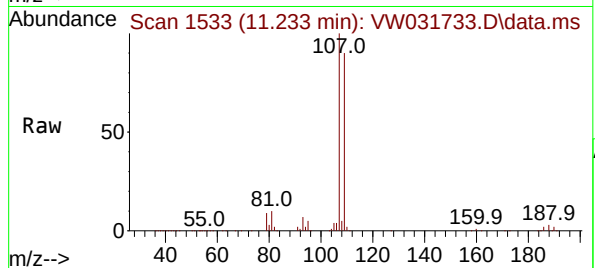
#61
1,2-Dibromoethane
Concen: 95.925 ug/l
RT: 11.233 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 222768
Ion Ratio Lower Upper
107 100
109 93.5 73.9 110.9

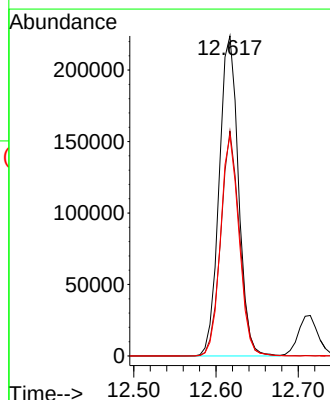
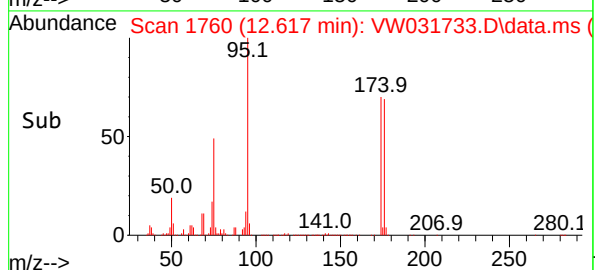
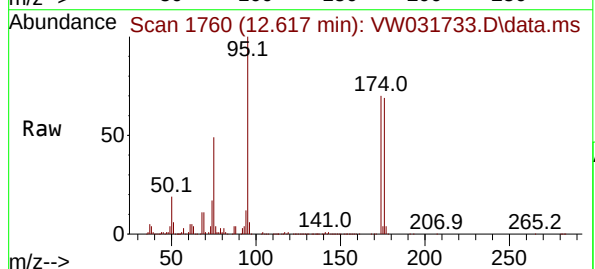
Manual Integrations
APPROVED

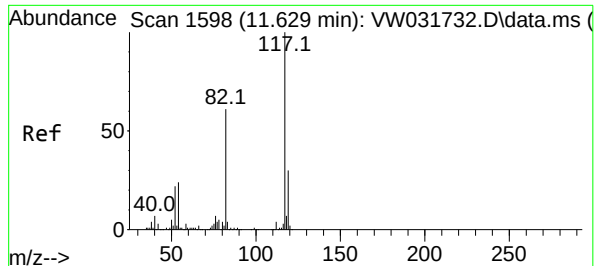
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 100.680 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 95 Resp: 365527
Ion Ratio Lower Upper
95 100
174 68.1 0.0 133.8
176 66.1 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

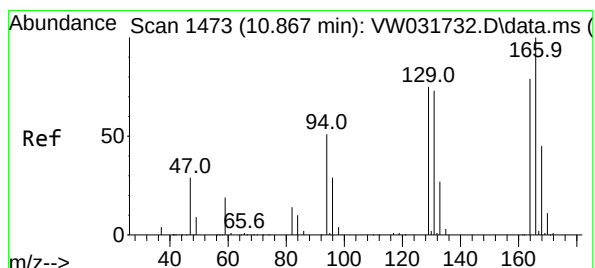
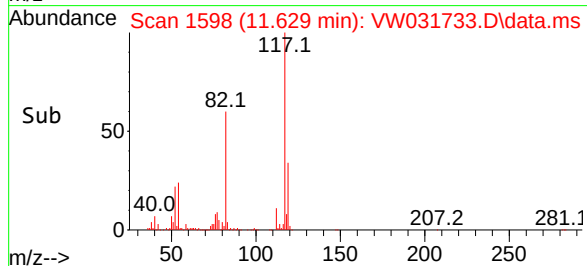
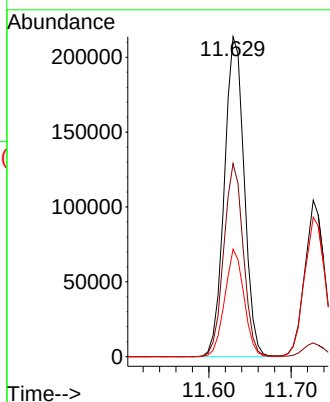
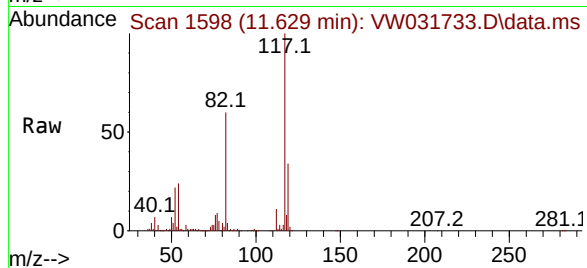
ClientSampleId :

VSTDICC100

Tgt Ion:	117	Resp:	35895
Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.6	72.8
119	33.6	23.9	35.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 100.695 ug/l

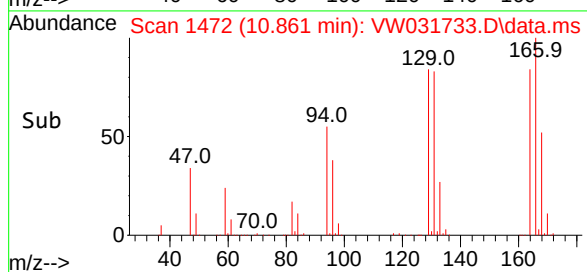
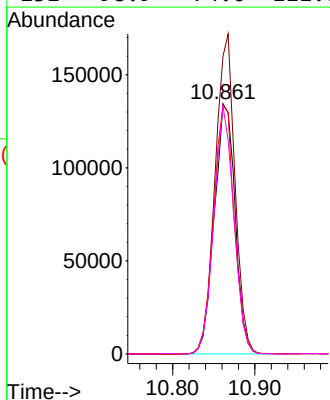
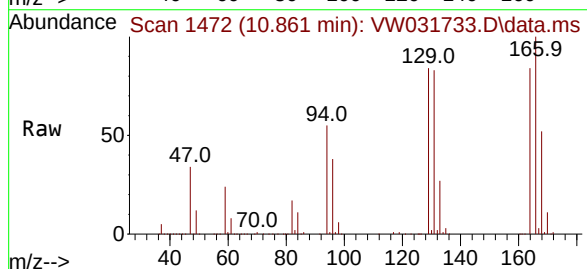
RT: 10.861 min Scan# 1472

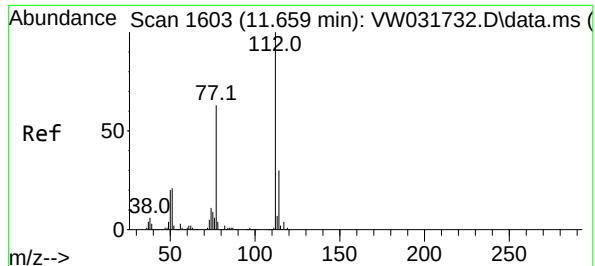
Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Tgt Ion:	164	Resp:	236432
Ion	Ratio	Lower	Upper
164	100		
166	118.9	100.7	151.1
129	99.3	75.4	113.0
131	98.9	74.0	111.0





#65

Chlorobenzene

Concen: 97.693 ug/l

RT: 11.654 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 77371

Ion Ratio Lower Upper

112 100

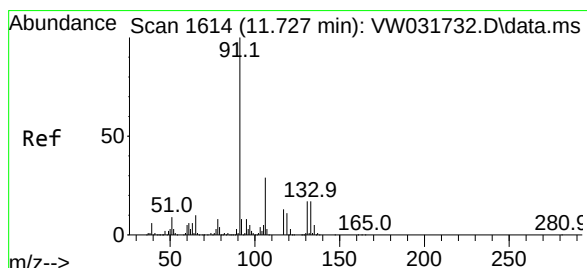
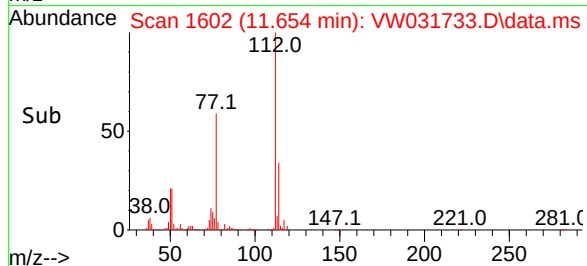
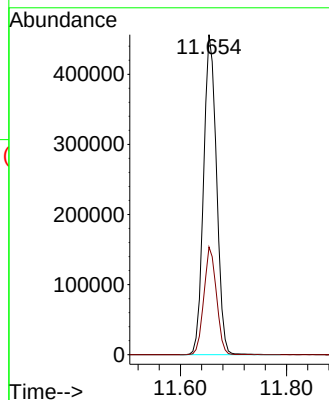
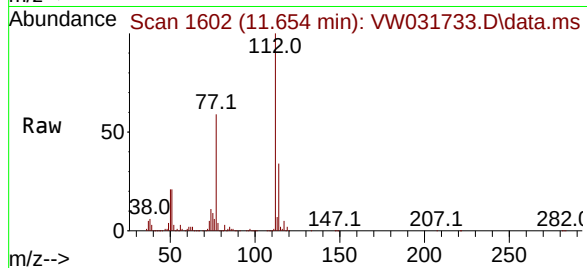
114 33.7 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 100.030 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

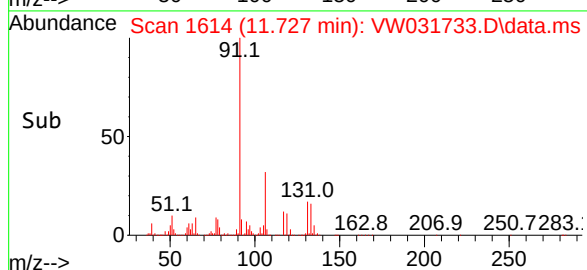
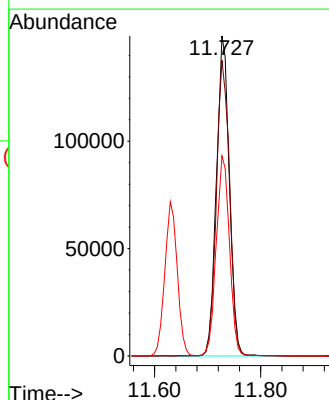
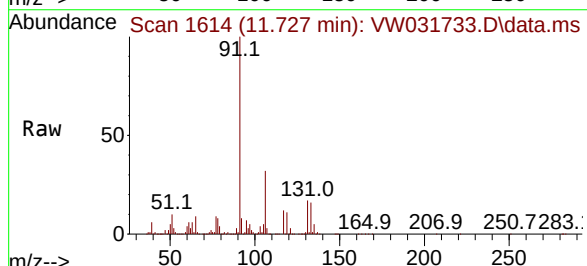
Tgt Ion:131 Resp: 252455

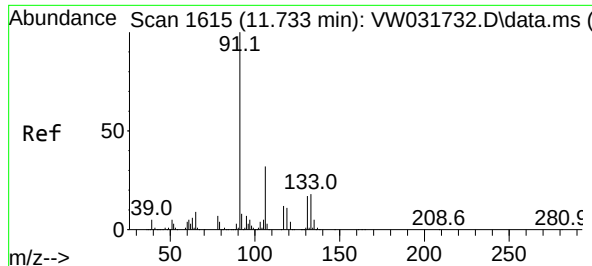
Ion Ratio Lower Upper

131 100

133 94.9 48.5 145.6

119 64.0 32.5 97.5





#67

Ethyl Benzene

Concen: 101.112 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1388600

Ion Ratio Lower Upper

91 100

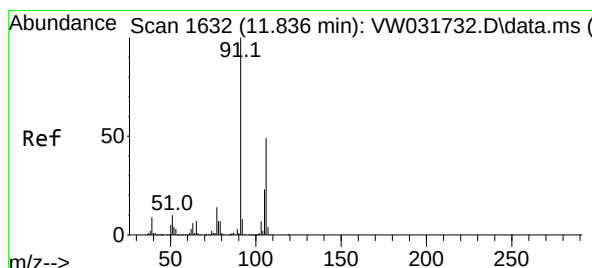
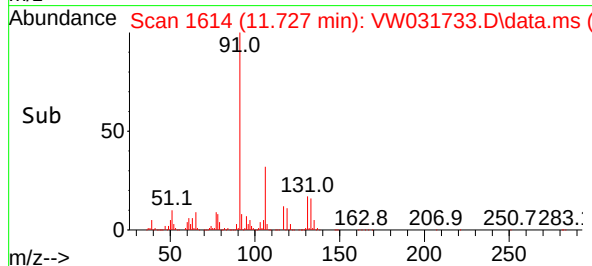
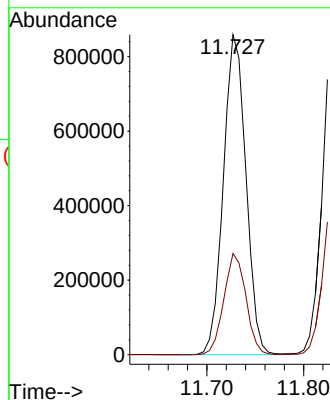
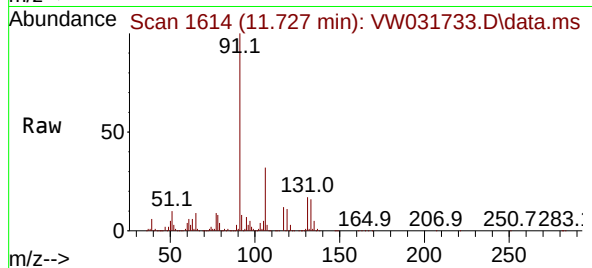
106 31.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 204.066 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031733.D

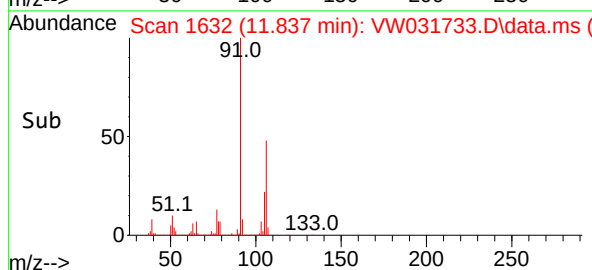
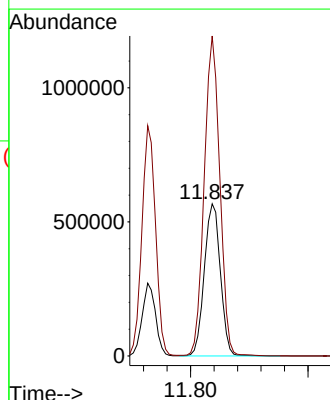
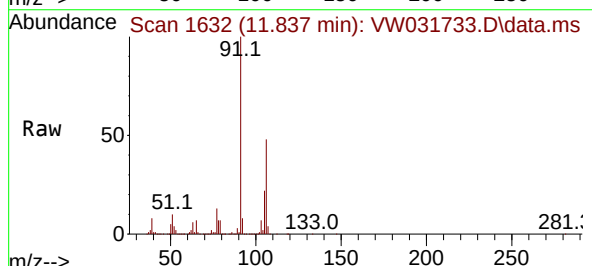
Acq: 30 Jun 2025 12:34

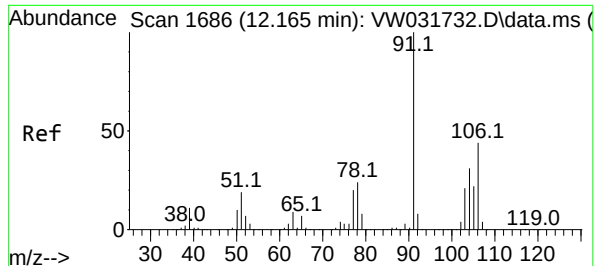
Tgt Ion:106 Resp: 1077324

Ion Ratio Lower Upper

106 100

91 204.4 166.4 249.6





#69

o-Xylene

Concen: 103.535 ug/l

RT: 12.160 min Scan# 1685

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 50608

Ion Ratio Lower Upper

106 100

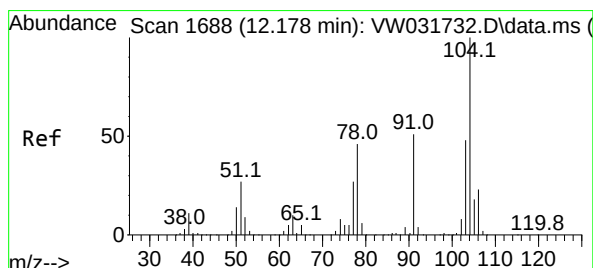
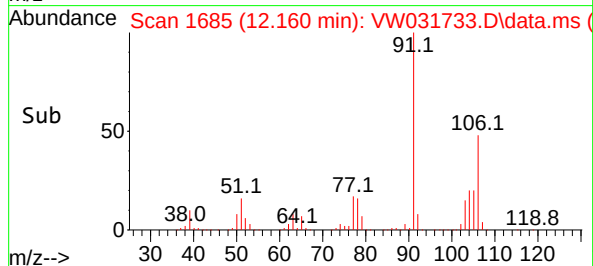
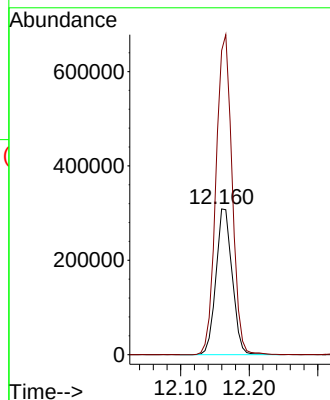
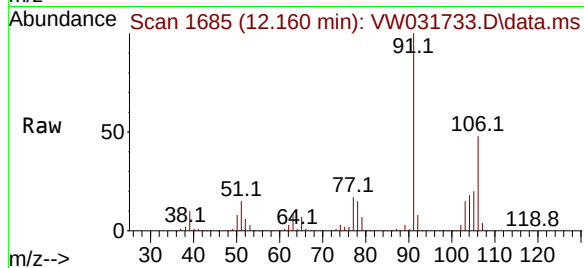
91 218.1 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 102.427 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

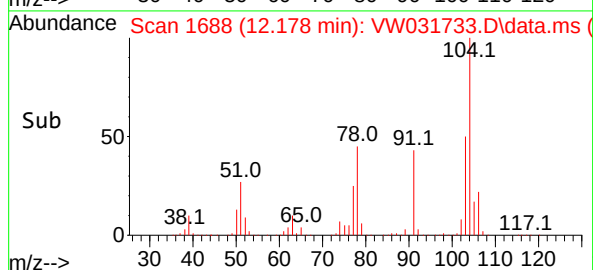
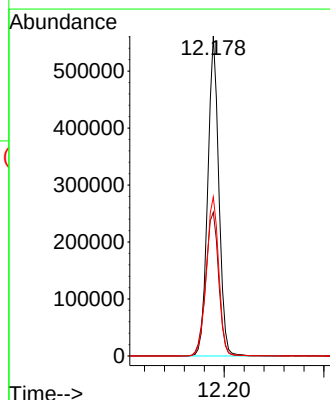
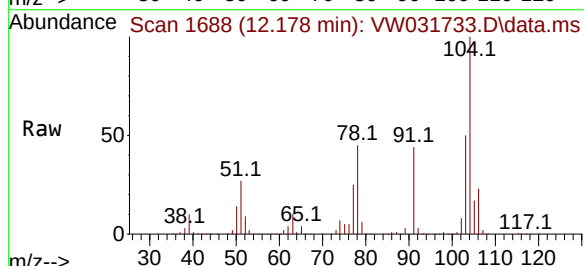
Tgt Ion:104 Resp: 865542

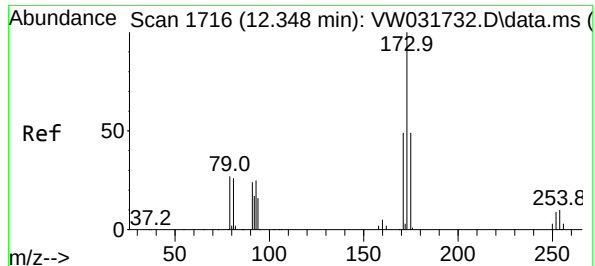
Ion Ratio Lower Upper

104 100

78 52.6 42.1 63.1

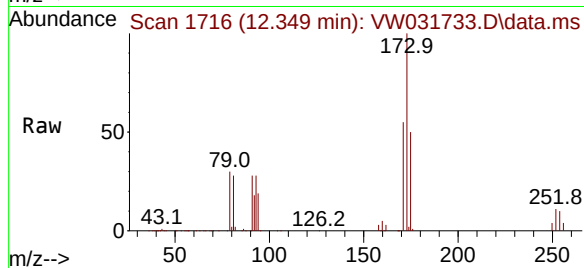
103 55.5 43.0 64.6





#71
Bromoform
Concen: 102.574 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

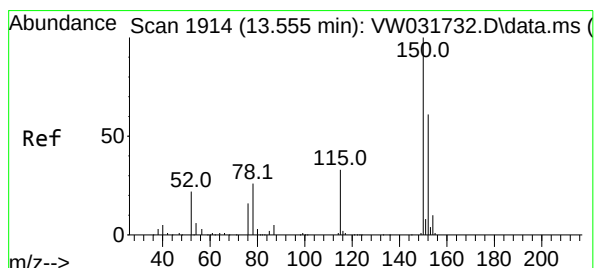
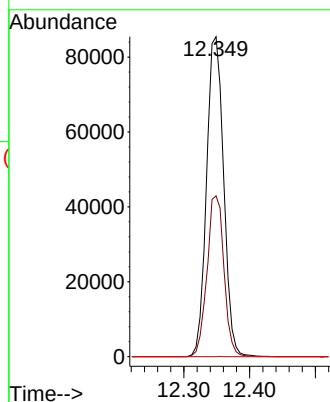
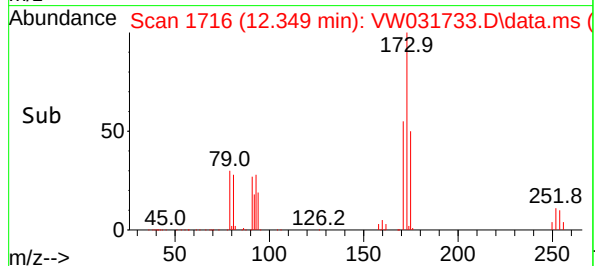
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 154434
Ion Ratio Lower Upper
173 100
175 49.9 24.0 72.0
254 0.0 0.1 0.1

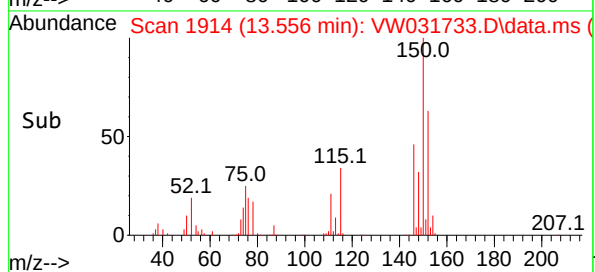
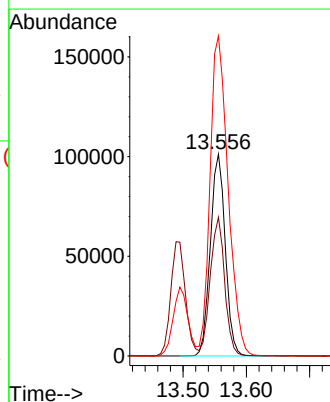
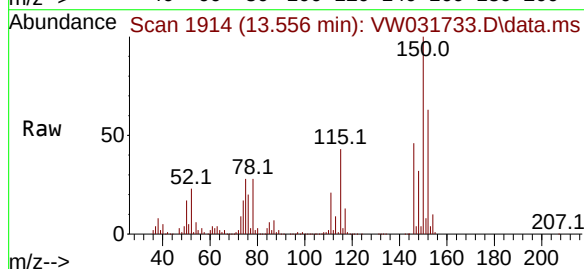
Manual Integrations
APPROVED

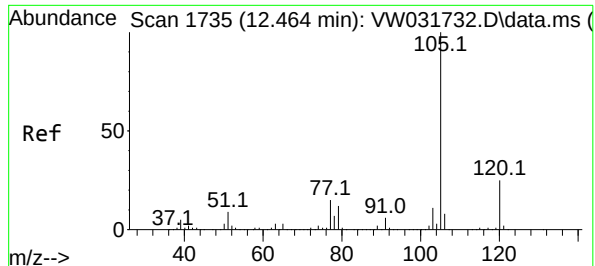
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

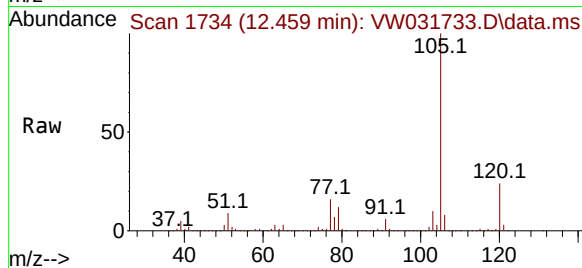
Tgt Ion:152 Resp: 166129
Ion Ratio Lower Upper
152 100
115 66.2 31.9 95.7
150 191.5 0.0 356.4





#73
Isopropylbenzene
Concen: 107.286 ug/l
RT: 12.459 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

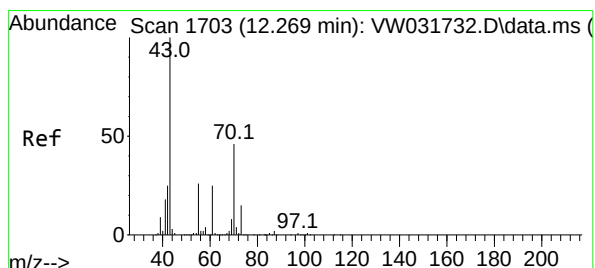
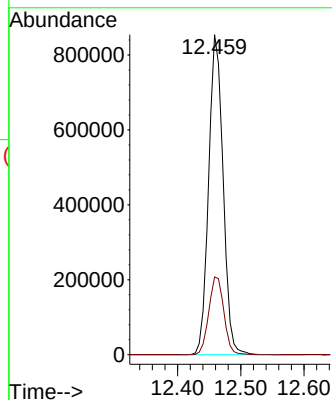
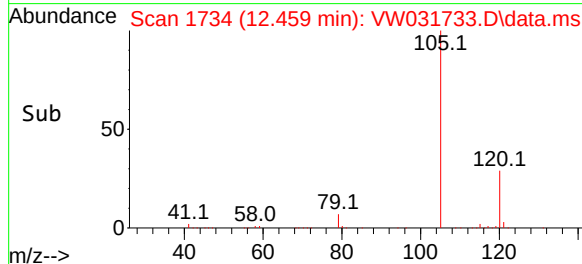
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 1355736
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4

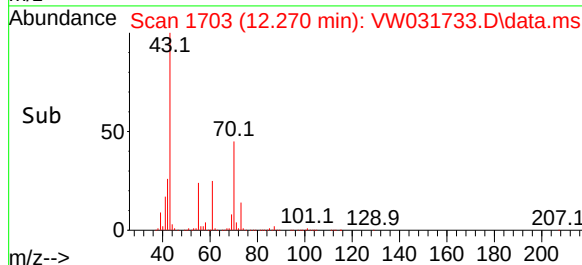
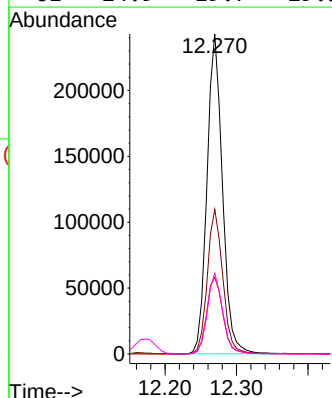
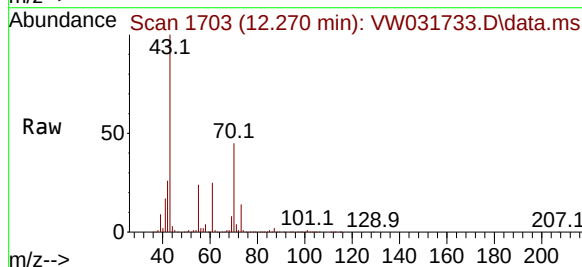
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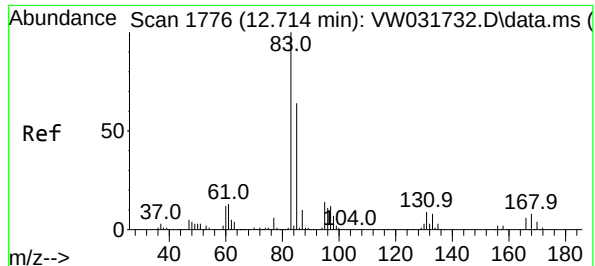
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 106.869 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 363996
Ion Ratio Lower Upper
43 100
70 45.5 36.0 54.0
55 25.2 20.8 31.2
61 24.9 19.7 29.5





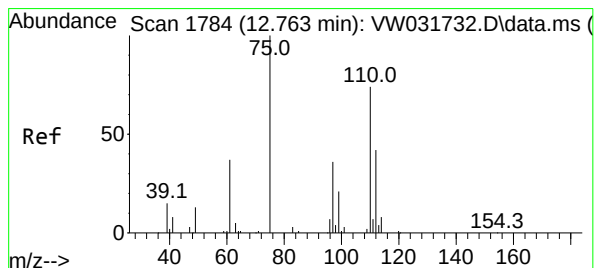
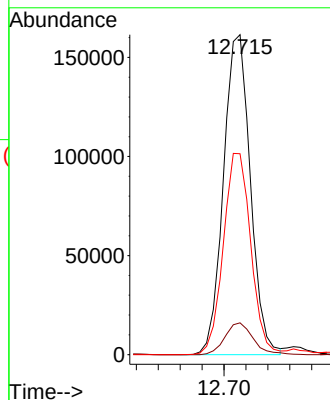
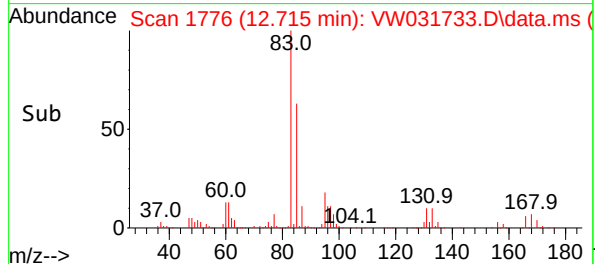
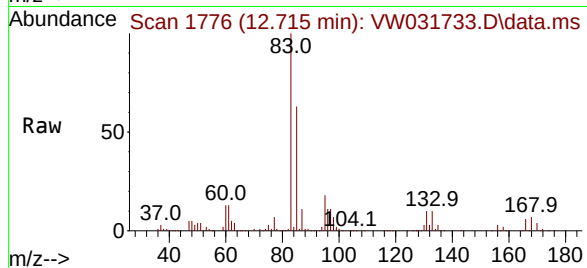
#75
1,1,2,2-Tetrachloroethane
Concen: 98.180 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 275439
Ion Ratio Lower Upper
83 100
131 10.4 5.3 16.1
85 64.2 32.0 96.2

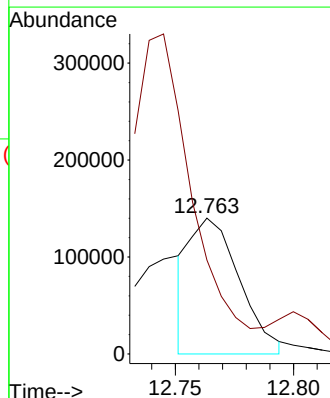
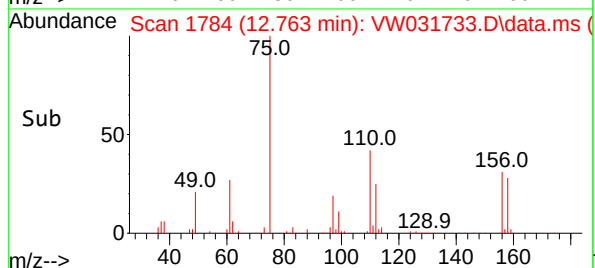
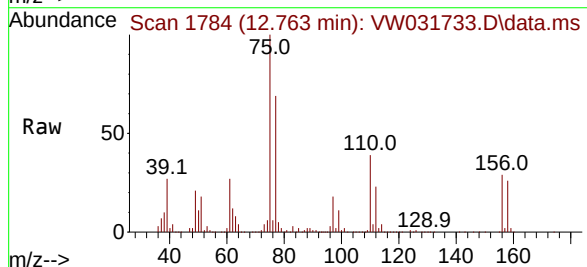
Manual Integrations
APPROVED

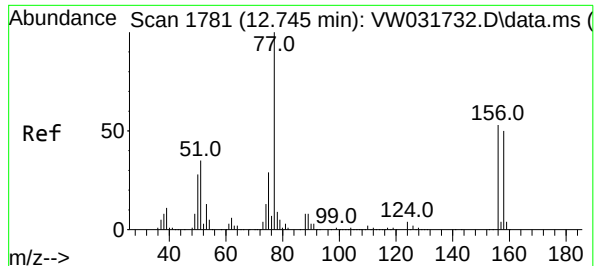
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 95.544 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 205119
Ion Ratio Lower Upper
75 100
77 300.3 141.2 423.6





#77

Bromobenzene

Concen: 104.424 ug/l

RT: 12.739 min Scan# 1781

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:156 Resp: 294310

Ion Ratio Lower Upper

156 100

77 209.3 117.9 353.7

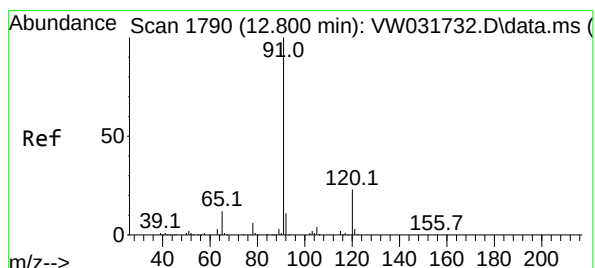
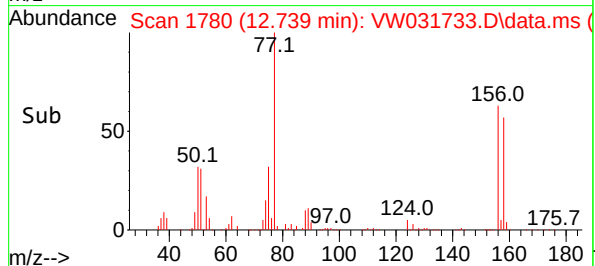
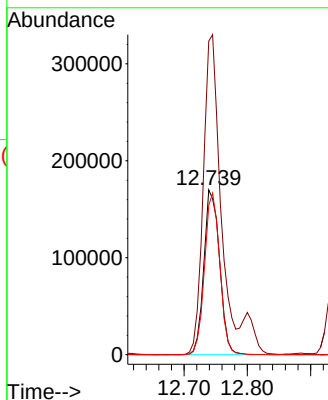
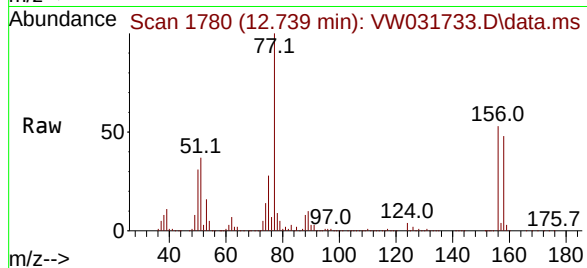
158 95.4 52.6 157.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#78

n-propylbenzene

Concen: 103.933 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031733.D

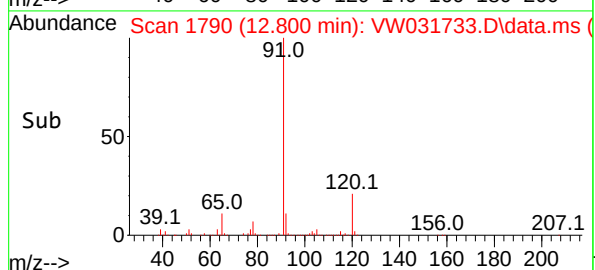
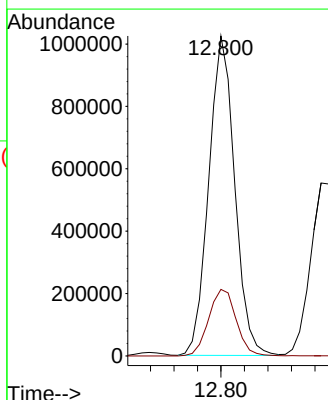
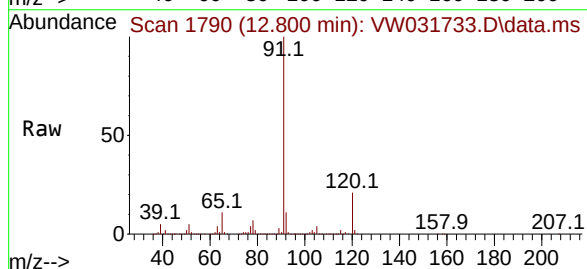
Acq: 30 Jun 2025 12:34

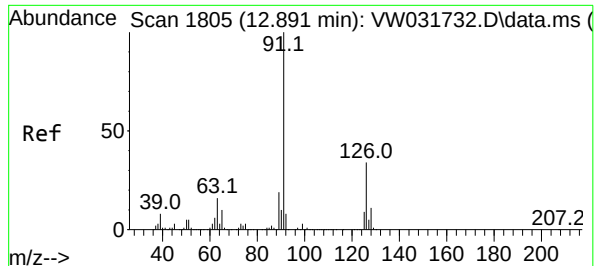
Tgt Ion: 91 Resp: 1572731

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 102.084 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 930210

Ion Ratio Lower Upper

91 100

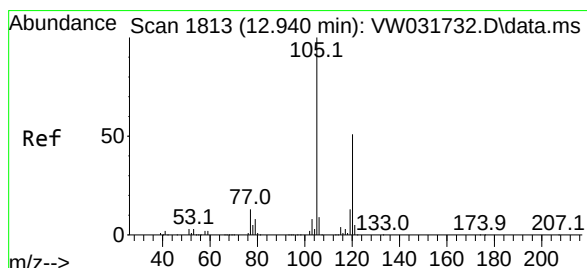
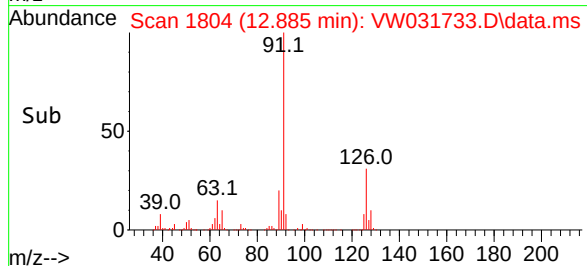
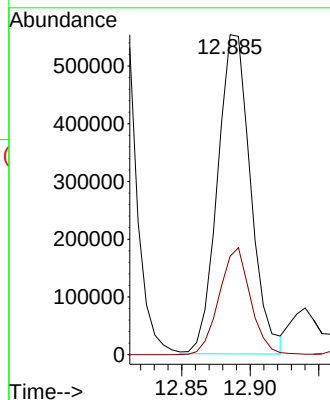
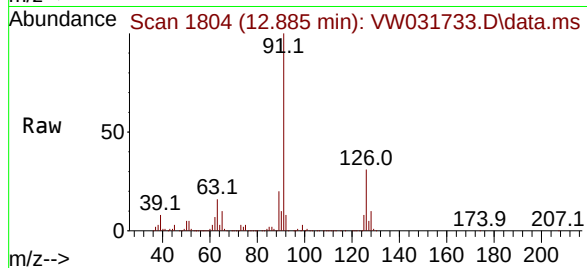
126 31.7 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 105.277 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031733.D

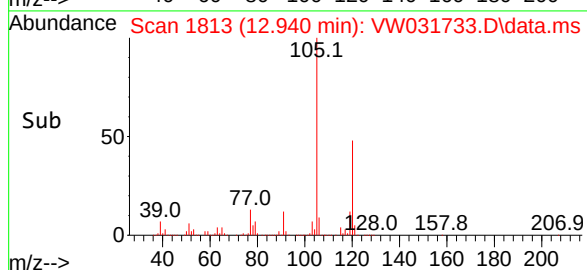
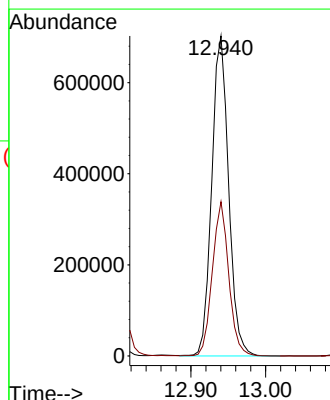
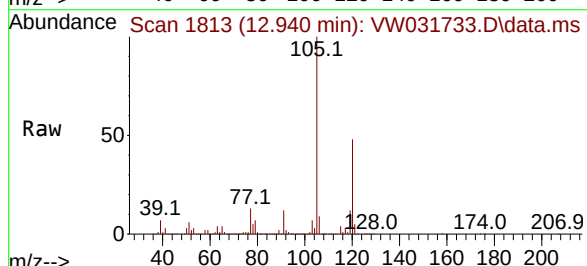
Acq: 30 Jun 2025 12:34

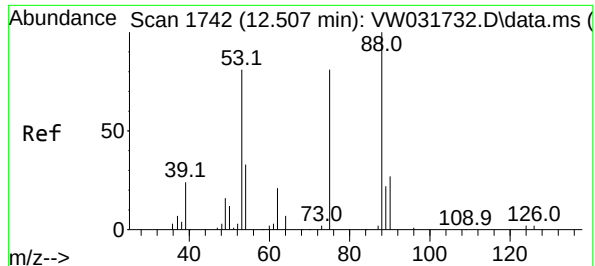
Tgt Ion:105 Resp: 1101203

Ion Ratio Lower Upper

105 100

120 46.9 23.8 71.2





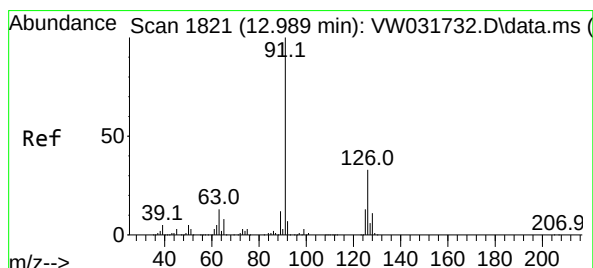
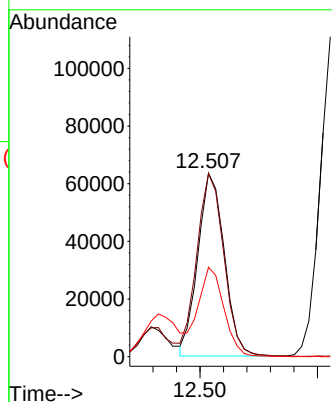
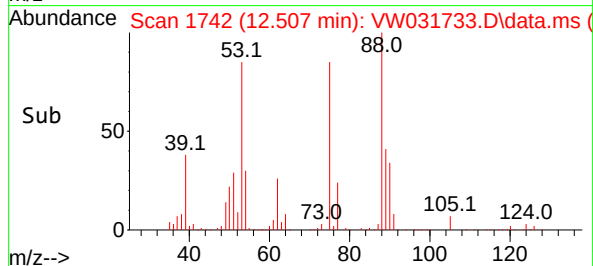
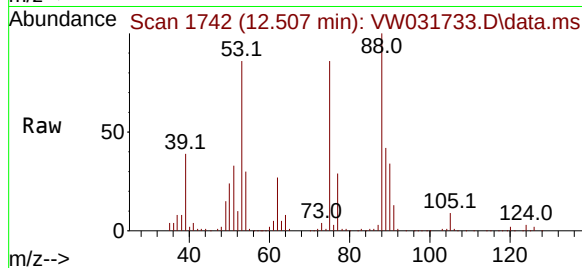
#81
trans-1,4-Dichloro-2-butene
Concen: 107.660 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 9923
Ion Ratio Lower Upper
75 100
53 102.5 83.5 125.3
89 49.9 38.3 57.5

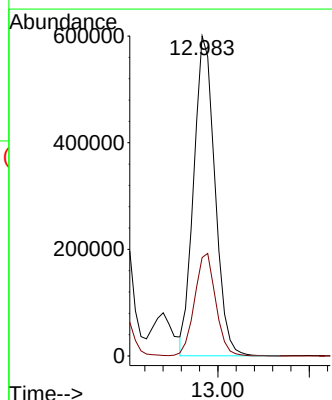
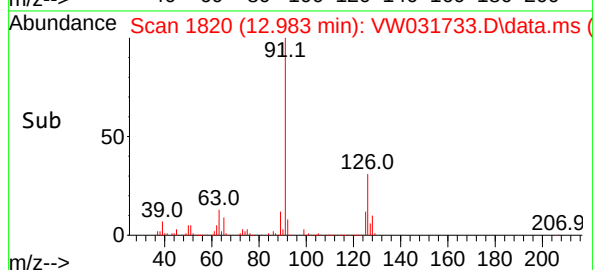
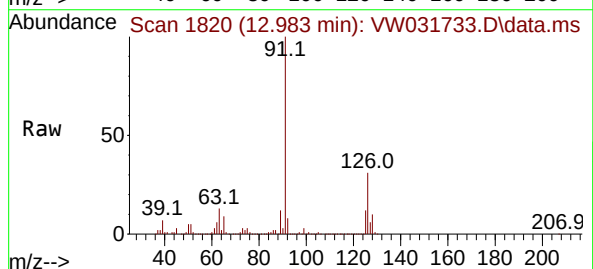
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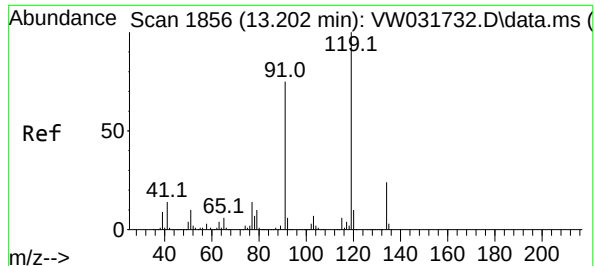
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 100.758 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 963920
Ion Ratio Lower Upper
91 100
126 32.0 16.0 47.9





#83

tert-Butylbenzene

Concen: 105.234 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 942890

Ion Ratio Lower Upper

119 100

91 69.1 36.0 108.1

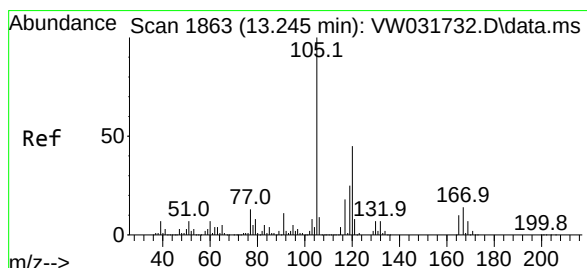
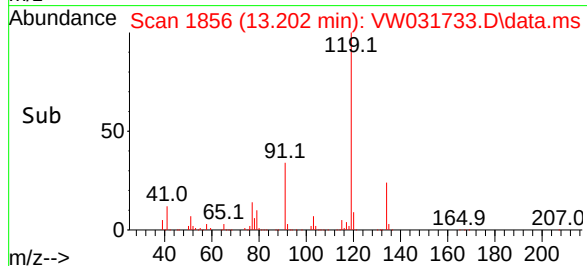
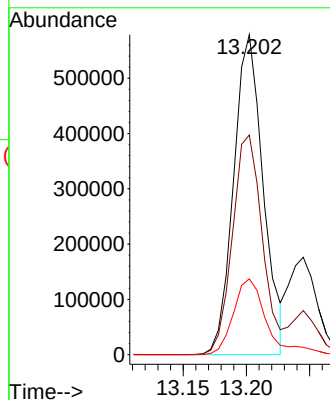
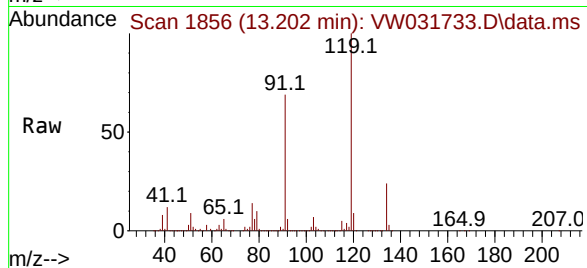
134 26.6 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 103.202 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW031733.D

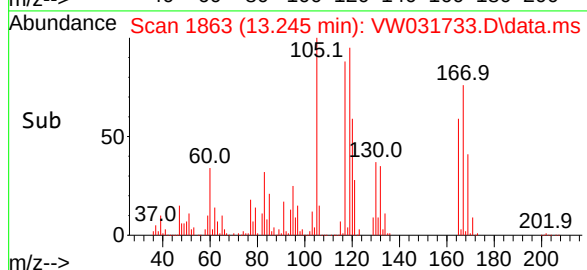
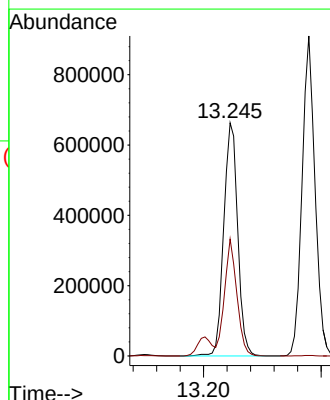
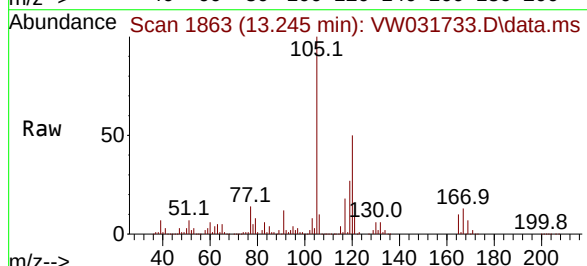
Acq: 30 Jun 2025 12:34

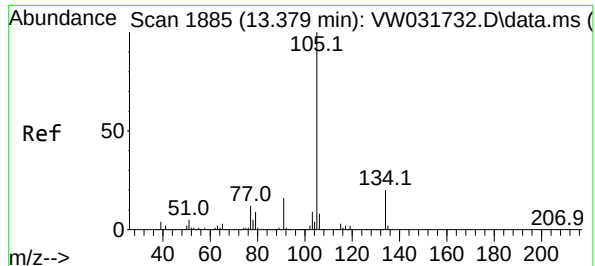
Tgt Ion:105 Resp: 1093757

Ion Ratio Lower Upper

105 100

120 44.2 22.1 66.1





#85

sec-Butylbenzene

Concen: 103.396 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031733.D

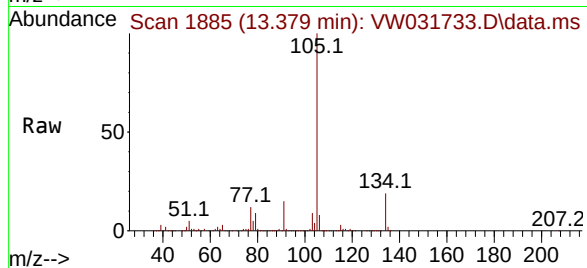
Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100



Tgt Ion:105 Resp: 1390528

Ion Ratio Lower Upper

105 100

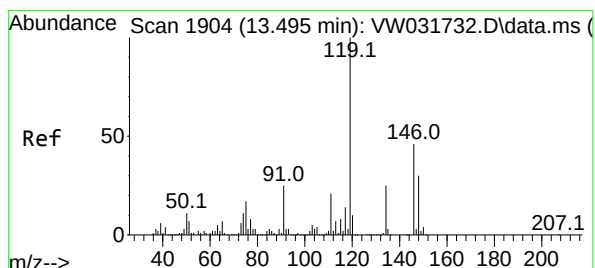
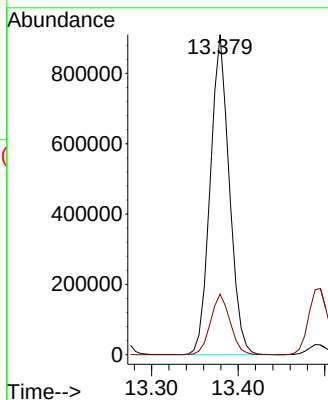
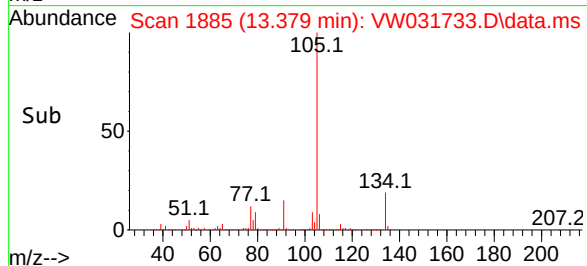
134 19.4 9.6 28.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#86

p-Isopropyltoluene

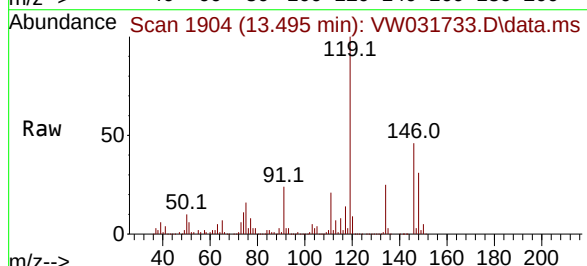
Concen: 105.431 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34



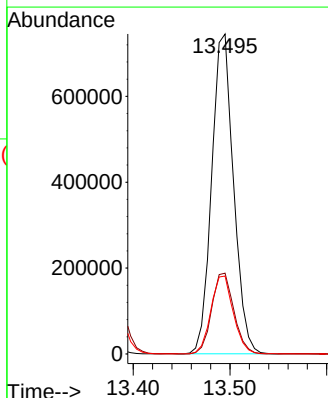
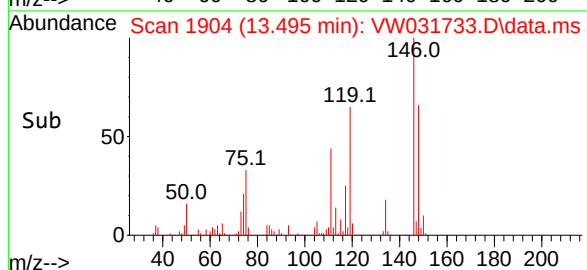
Tgt Ion:119 Resp: 1168552

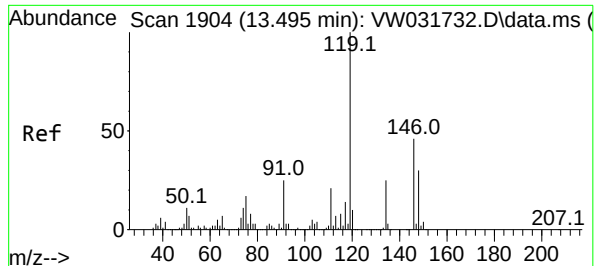
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.1 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 98.818 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 558538

Ion Ratio Lower Upper

146 100

111 44.2 22.3 66.9

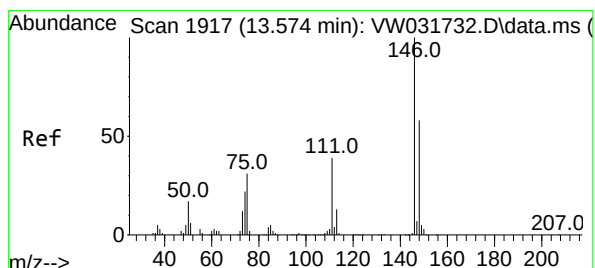
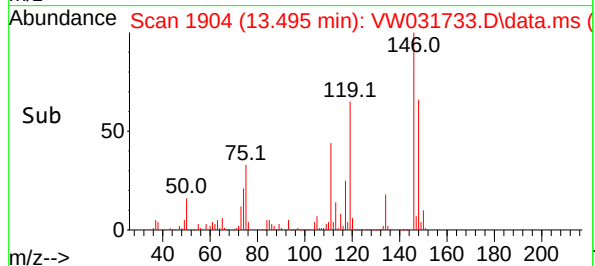
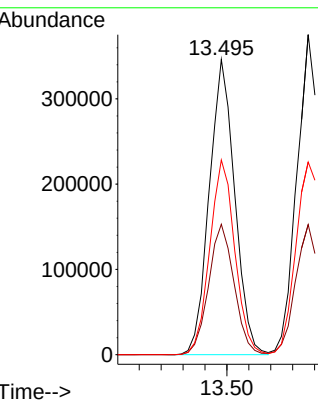
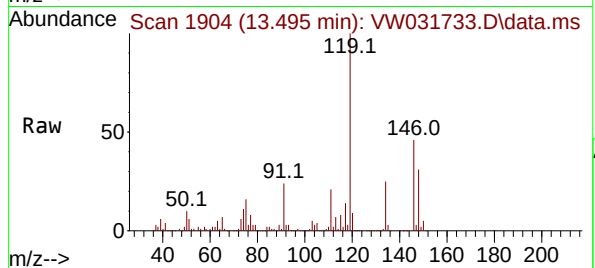
148 65.1 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

Concen: 99.669 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

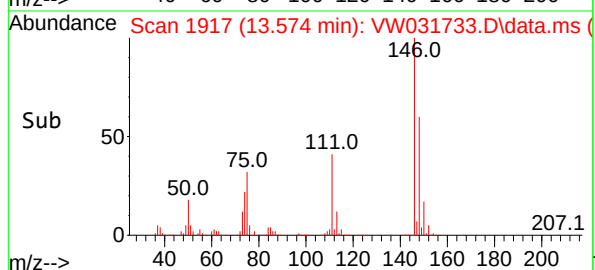
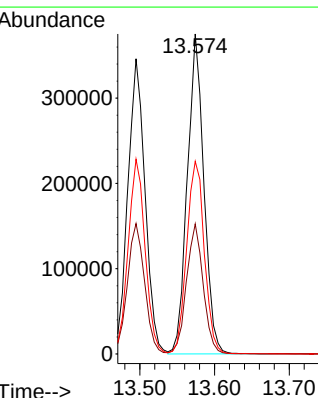
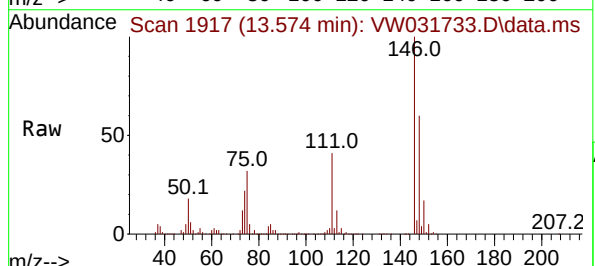
Tgt Ion:146 Resp: 576612

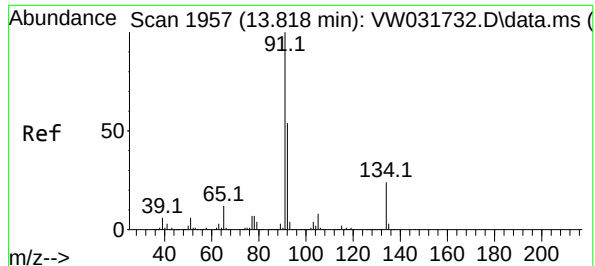
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 64.2 30.2 90.6





#89

n-Butylbenzene

Concen: 104.566 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 112605

Ion Ratio Lower Upper

91 100

92 55.5 27.2 81.5

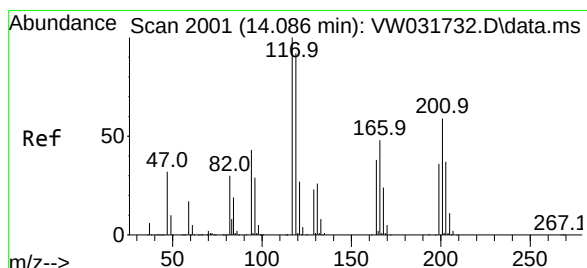
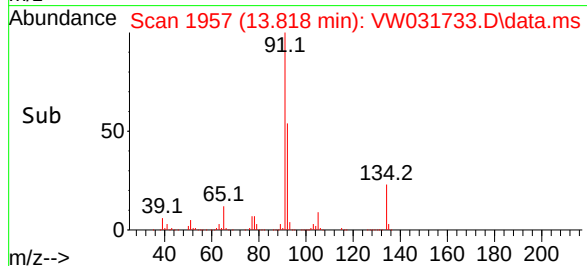
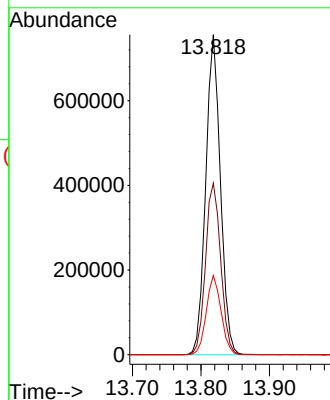
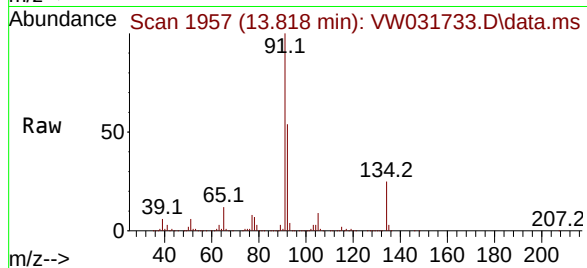
134 24.9 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 105.958 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW031733.D

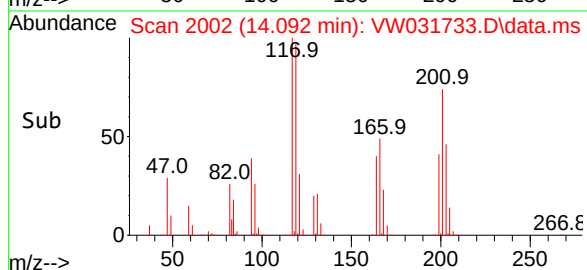
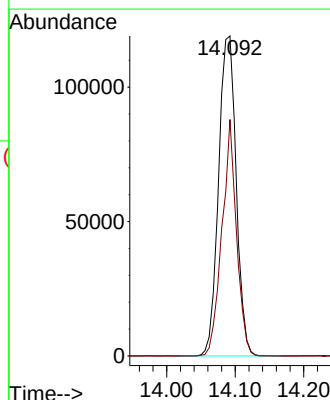
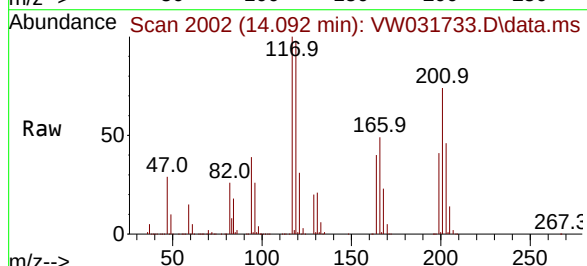
Acq: 30 Jun 2025 12:34

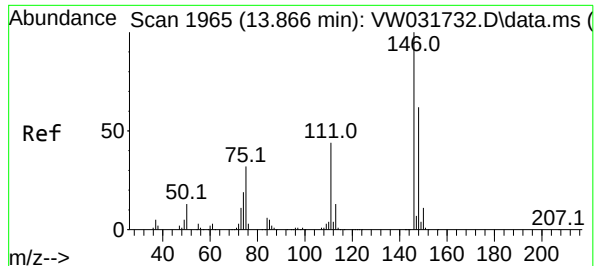
Tgt Ion:117 Resp: 211871

Ion Ratio Lower Upper

117 100

201 61.1 31.1 93.3





#91

1,2-Dichlorobenzene

Concen: 100.530 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 51934

Ion Ratio Lower Upper

146 100

111 44.8 21.7 65.1

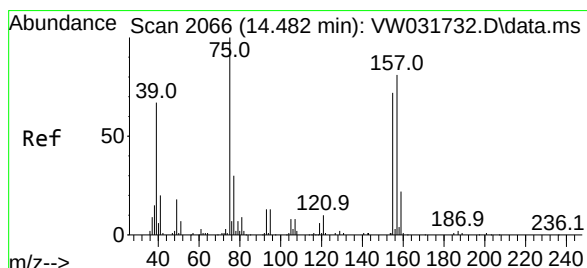
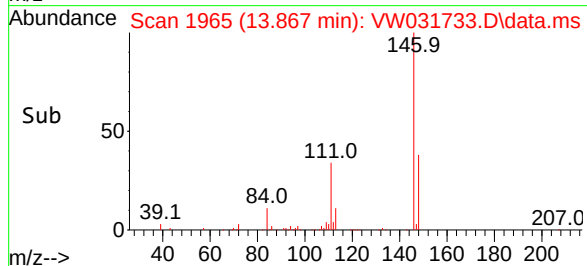
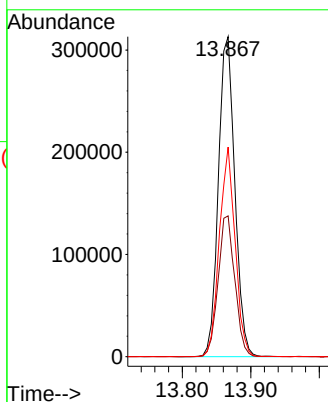
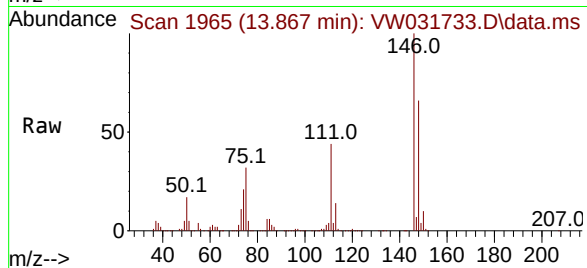
148 63.1 29.8 89.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 101.247 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

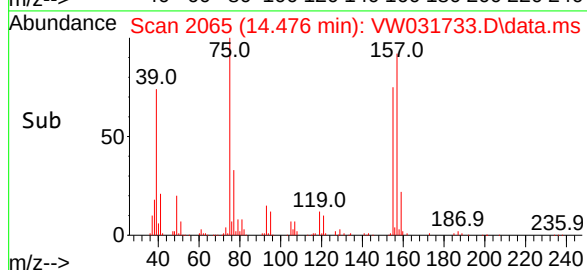
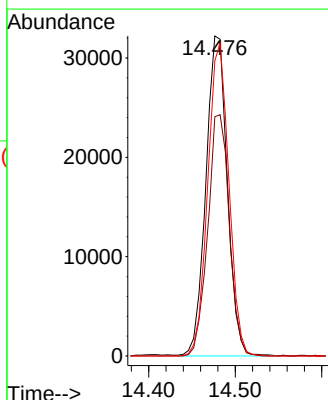
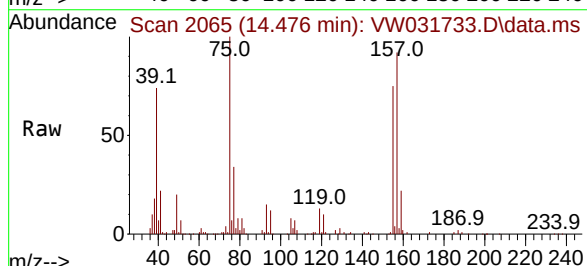
Tgt Ion: 75 Resp: 55462

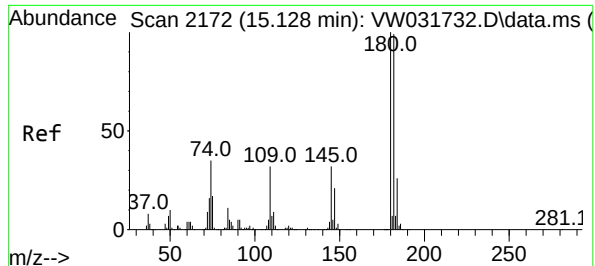
Ion Ratio Lower Upper

75 100

155 75.4 37.2 111.6

157 95.9 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 104.240 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 332108

Ion Ratio Lower Upper

180 100

182 97.7 48.6 145.9

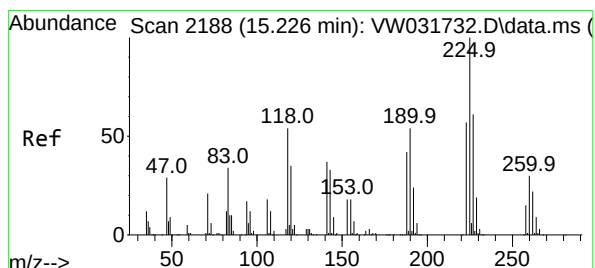
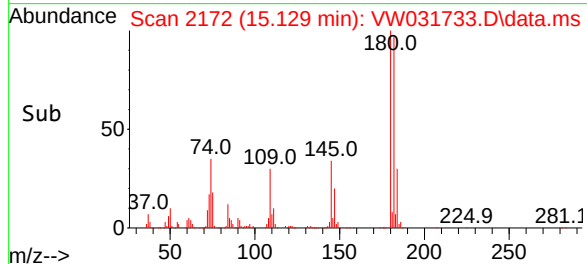
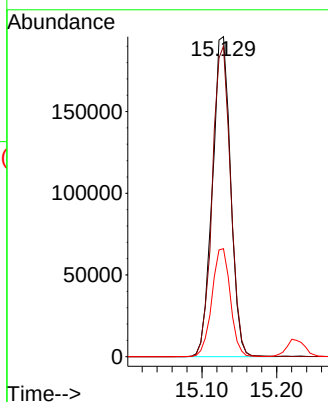
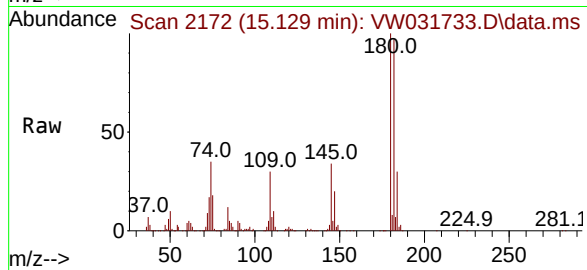
145 34.2 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 106.542 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031733.D

Acq: 30 Jun 2025 12:34

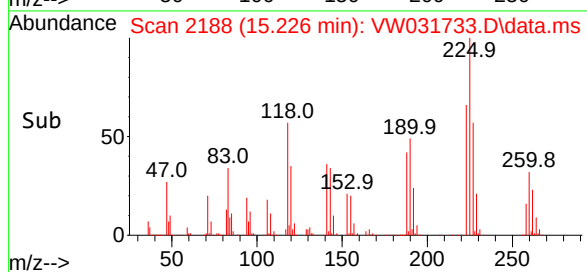
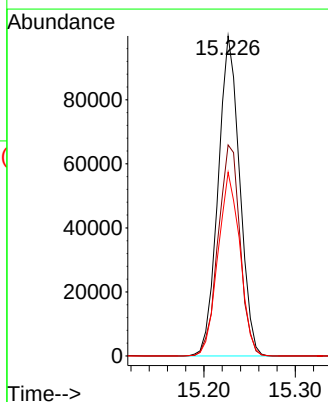
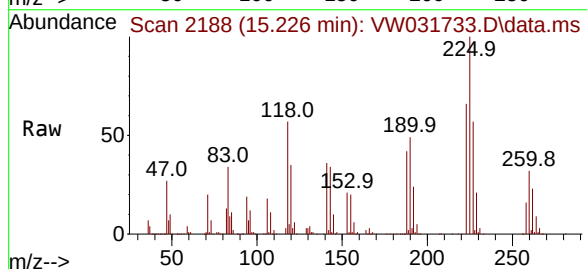
Tgt Ion:225 Resp: 163909

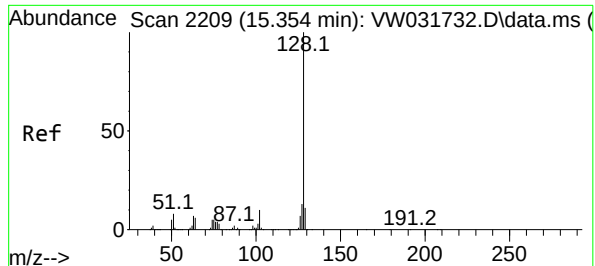
Ion Ratio Lower Upper

225 100

223 67.1 32.6 97.8

227 58.6 37.3 111.8





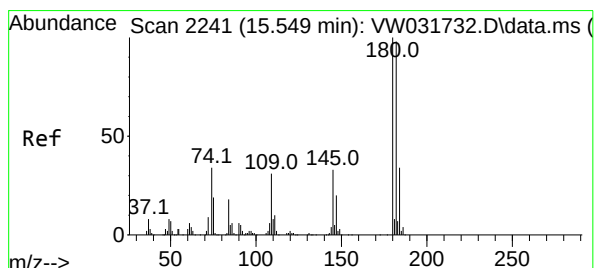
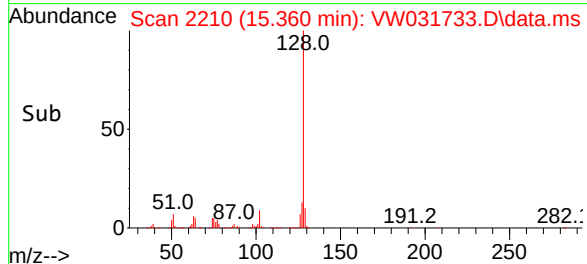
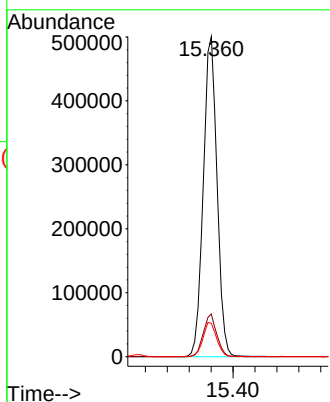
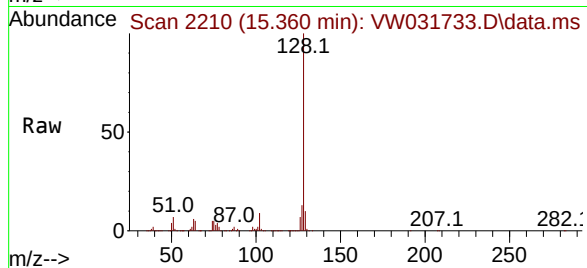
#95
Naphthalene
Concen: 111.042 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 86734
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.7 8.7 13.1

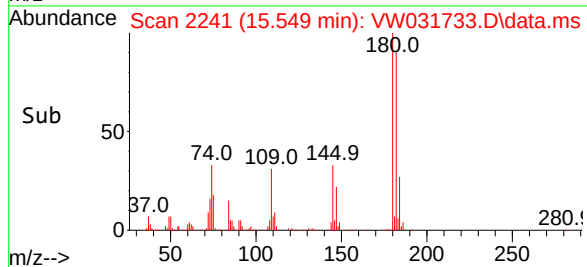
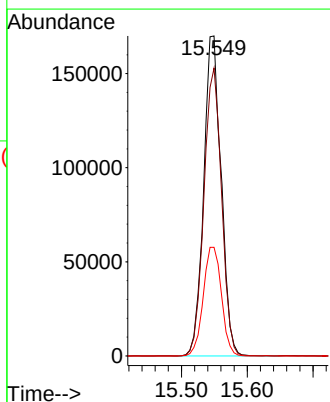
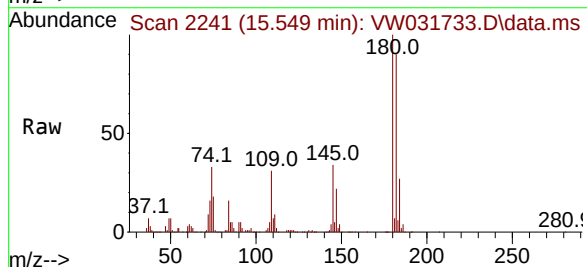
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.170 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:180 Resp: 313738
Ion Ratio Lower Upper
180 100
182 91.1 46.4 139.1
145 35.4 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l	99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l	99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l	100
44) Trichloroethene	9.099	130	424322	152.358	ug/l	99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l	98
46) Dibromomethane	9.465	93	251060	144.196	ug/l	99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l	99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l	99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l	99
52) Toluene	10.392	92	1076709	150.709	ug/l	95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l	97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l	99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l	100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l	99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l	98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l	98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l	92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l	99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l	94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l	98
69) o-Xylene	12.166	106	743731	159.389	ug/l	99
70) Styrene	12.178	104	1266593	157.015	ug/l	99
71) Bromoform	12.349	173	229439	159.639	ug/l #	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l	99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	308804m	151.382	ug/l	
77) Bromobenzene	12.745	156	427085	159.479	ug/l	88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l	100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l	98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l	98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l	99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l	99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l	96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l	99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l	97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l	93
95) Naphthalene	15.360	128	1256199	169.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

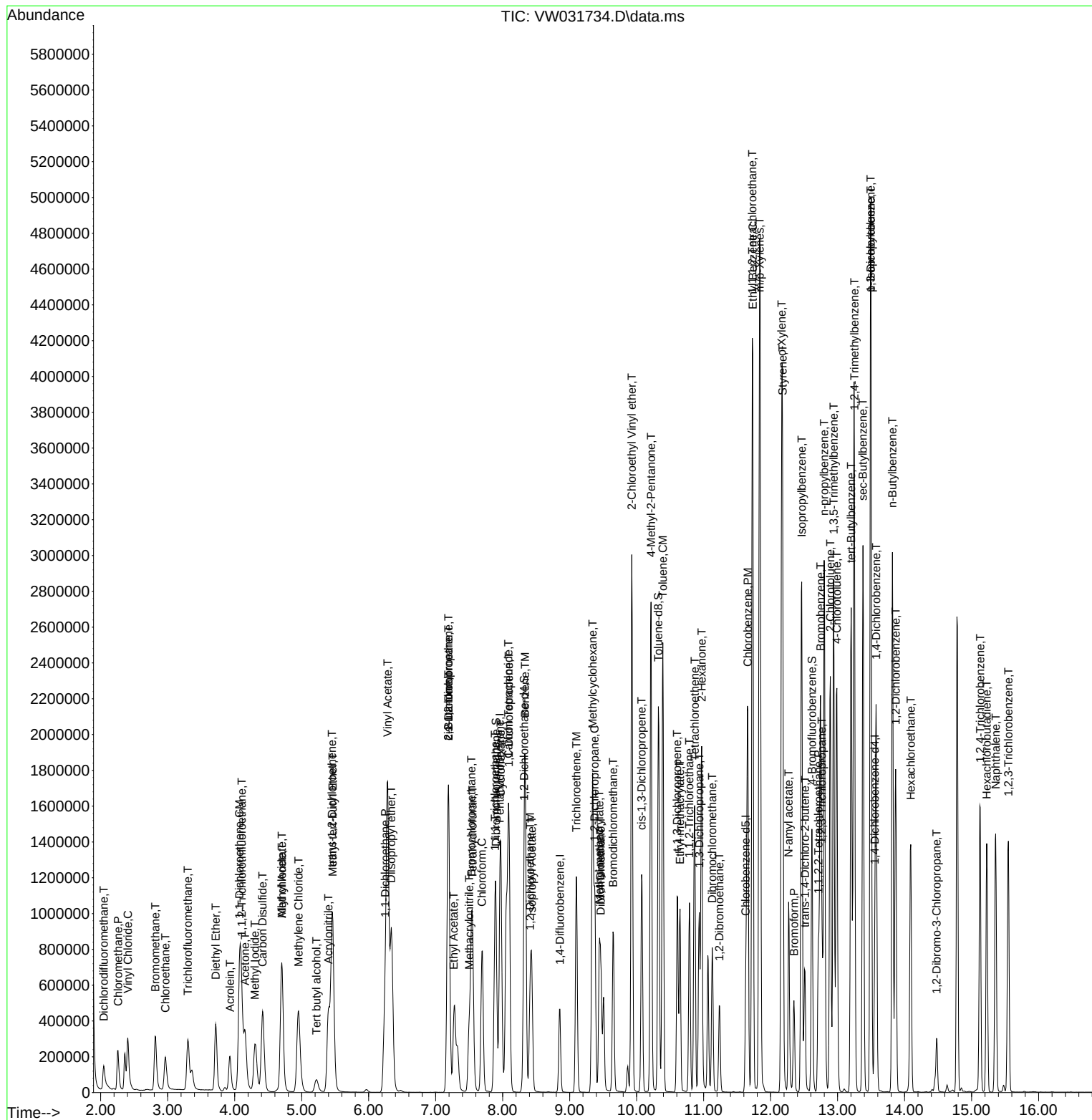
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

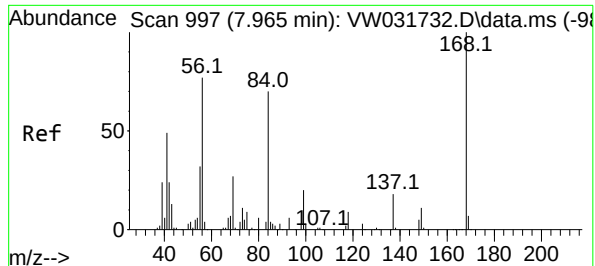
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025





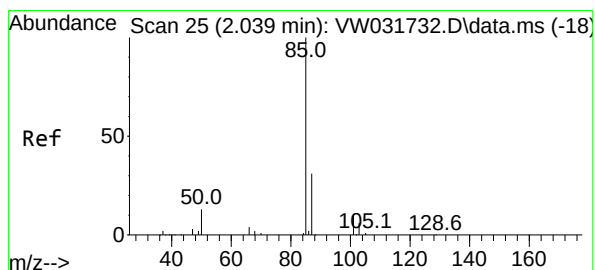
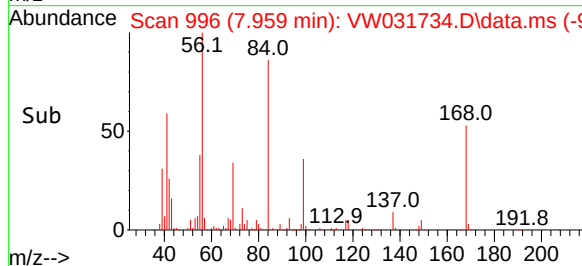
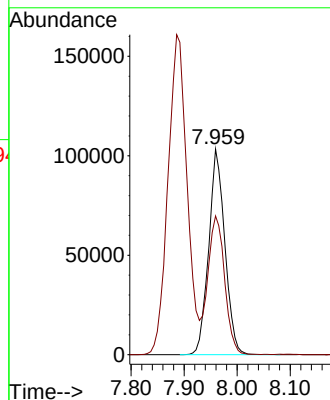
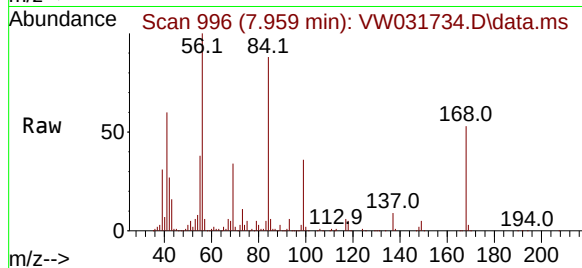
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 21876
Ion Ratio Lower Upper
168 100
99 67.2 49.4 74.2

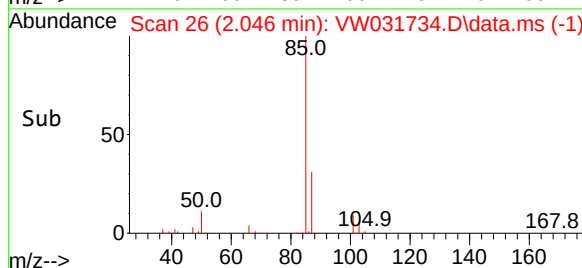
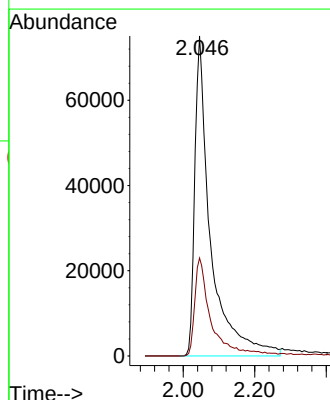
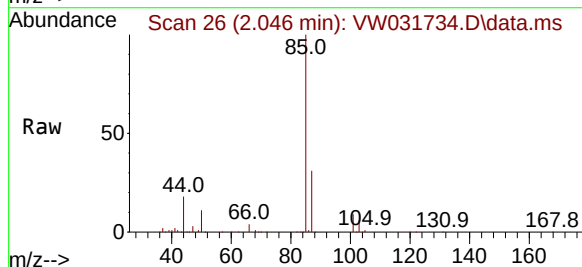
Manual Integrations
APPROVED

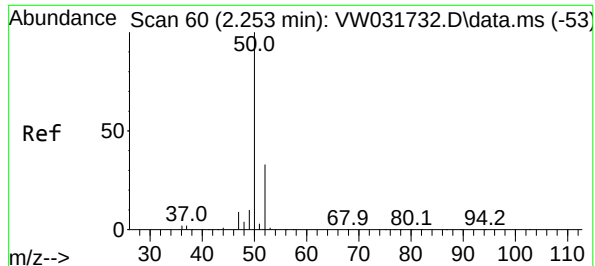
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 154.434 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 85 Resp: 230089
Ion Ratio Lower Upper
85 100
87 30.6 15.4 46.2





#3

Chloromethane

Concen: 159.372 ug/l

RT: 2.259 min Scan# 61

Delta R.T. 0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 50 Resp: 28626

Ion Ratio Lower Upper

50 100

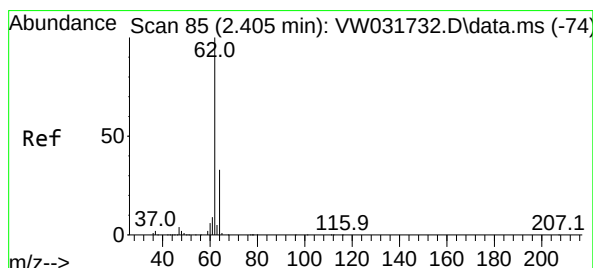
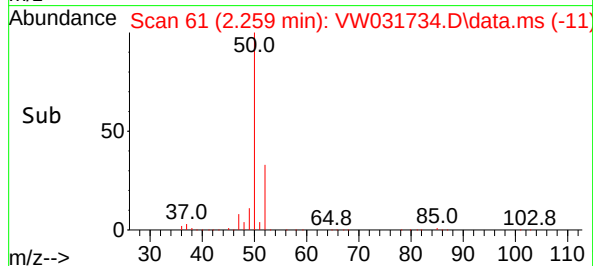
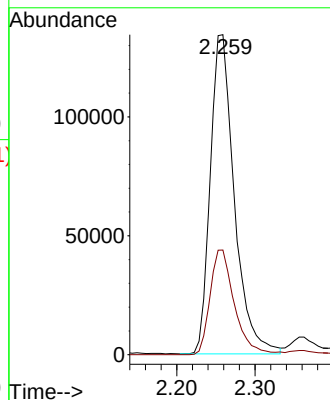
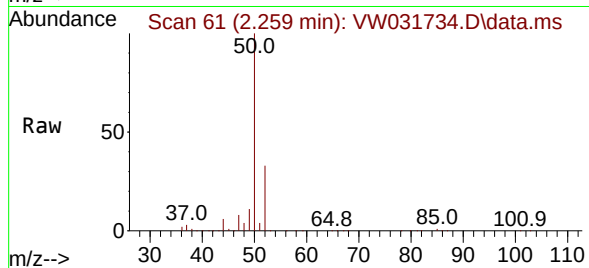
52 32.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#4

Vinyl Chloride

Concen: 151.812 ug/l

RT: 2.405 min Scan# 85

Delta R.T. 0.000 min

Lab File: VW031734.D

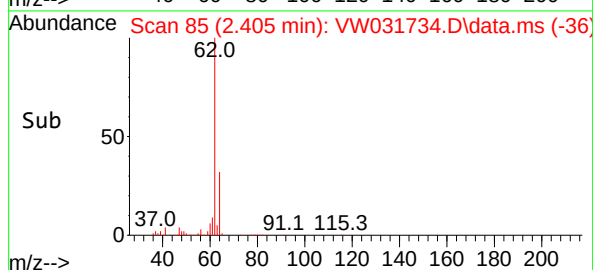
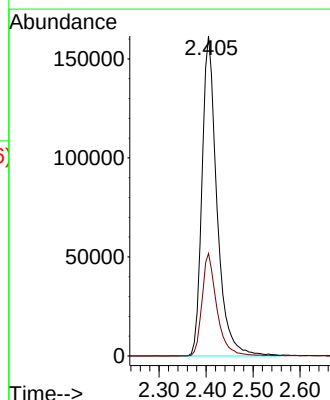
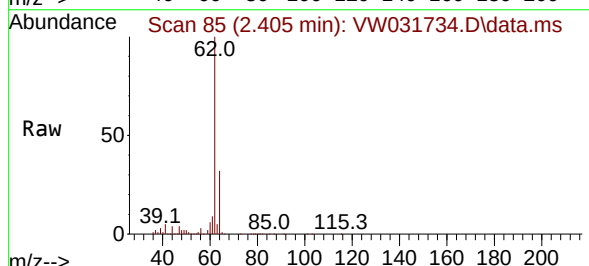
Acq: 30 Jun 2025 12:55

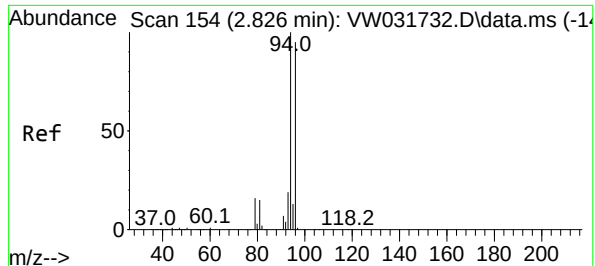
Tgt Ion: 62 Resp: 358412

Ion Ratio Lower Upper

62 100

64 32.0 26.8 40.2





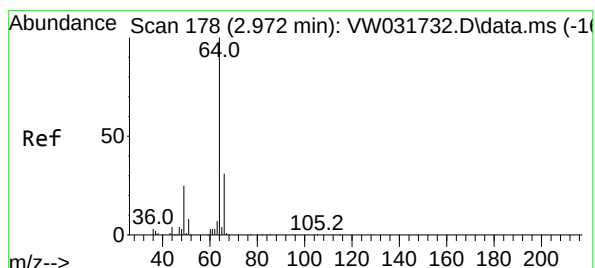
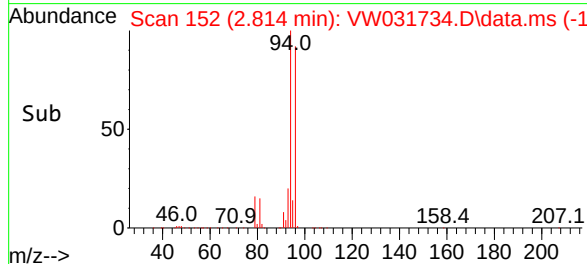
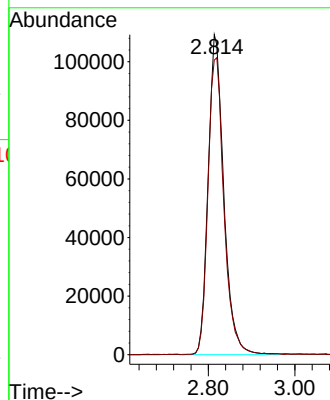
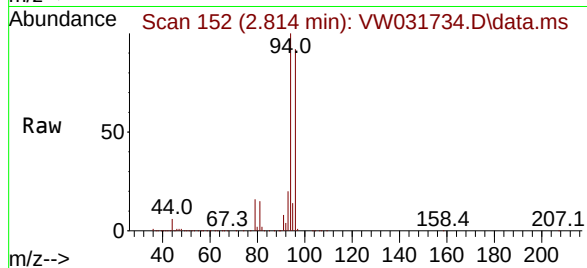
#5
Bromomethane
Concen: 148.641 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 27410
Ion Ratio Lower Upper
94 100
96 92.0 75.6 113.4

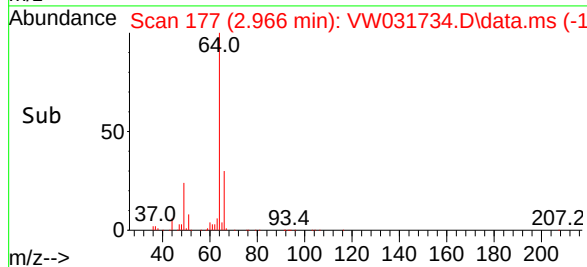
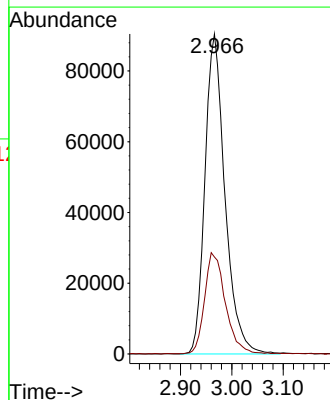
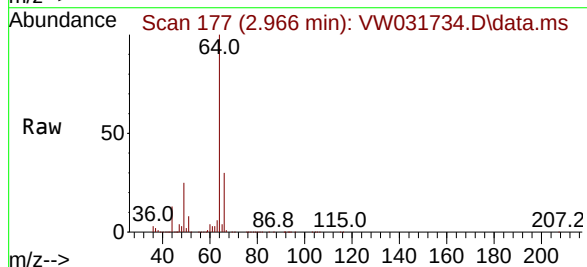
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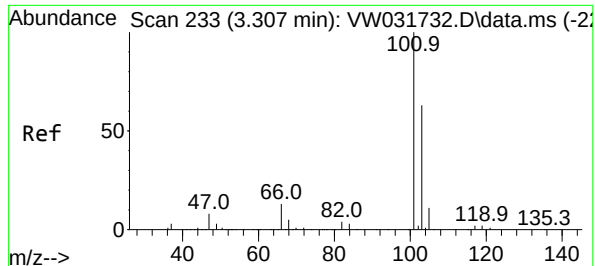
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#6
Chloroethane
Concen: 152.312 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 64 Resp: 244261
Ion Ratio Lower Upper
64 100
66 30.2 24.5 36.7





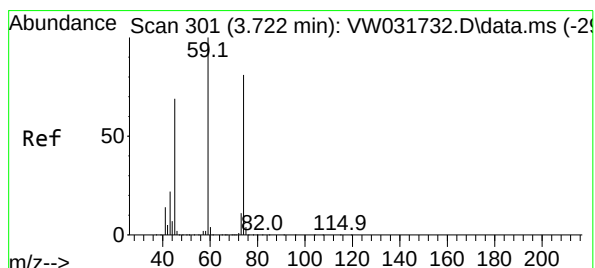
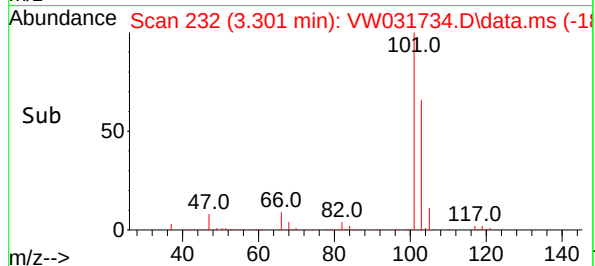
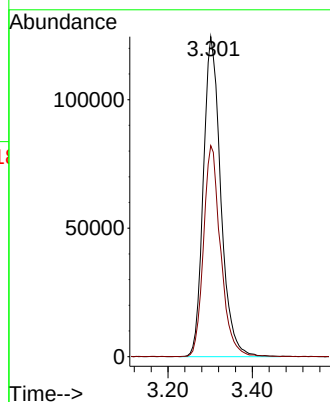
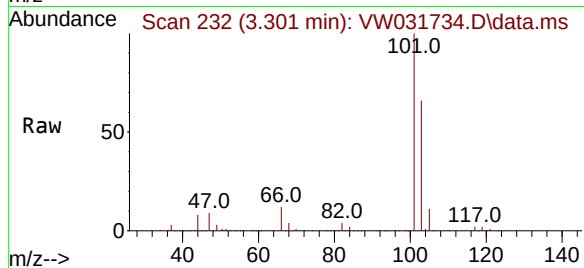
#7
Trichlorofluoromethane
Concen: 167.089 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 35825
Ion Ratio Lower Upper
101 100
103 65.9 50.2 75.4

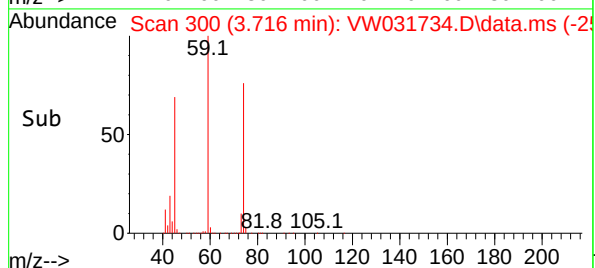
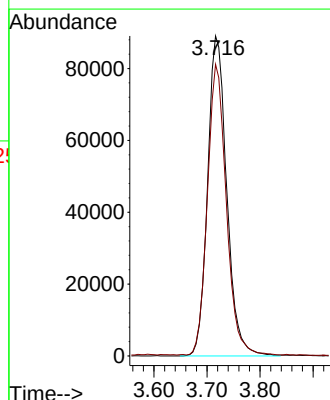
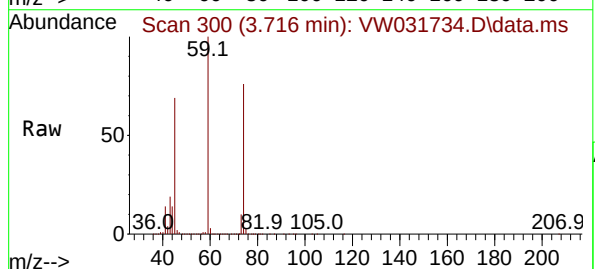
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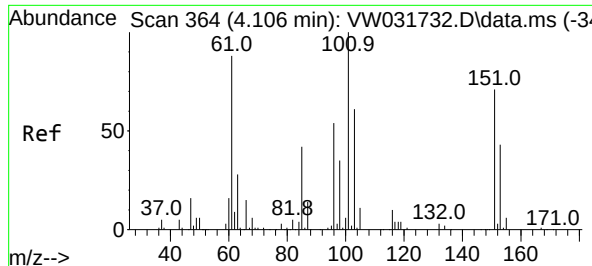
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 137.038 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 74 Resp: 223268
Ion Ratio Lower Upper
74 100
45 89.9 43.9 131.7





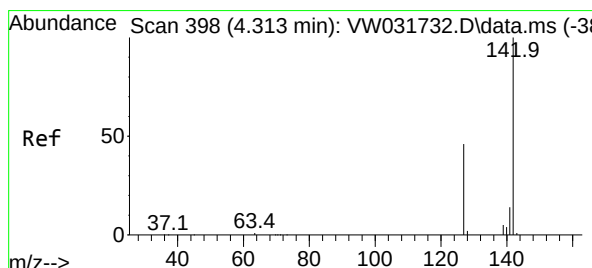
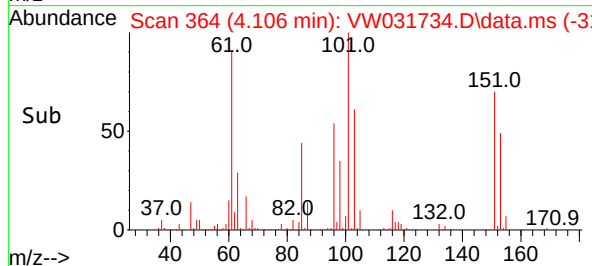
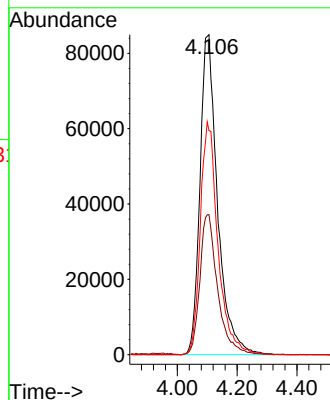
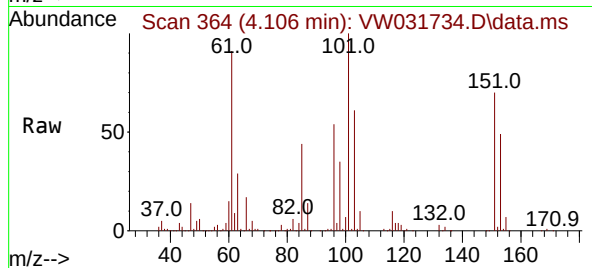
#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.081 ug/l
RT: 4.106 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 34765
Ion Ratio Lower Upper
101 100
85 44.2 35.6 53.4
151 72.9 56.8 85.2

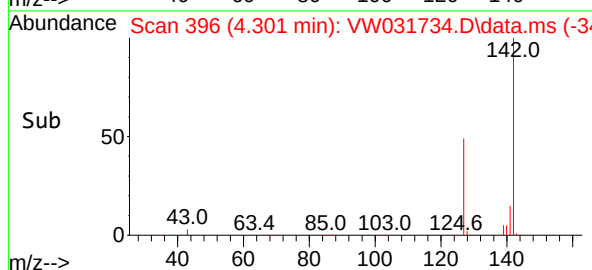
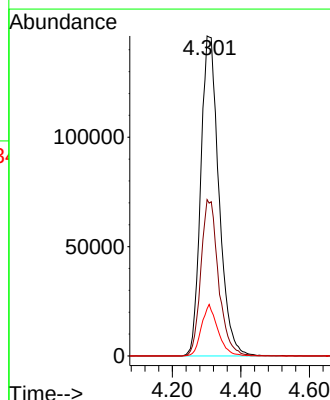
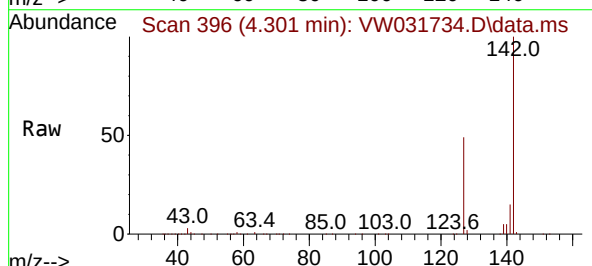
Manual Integrations
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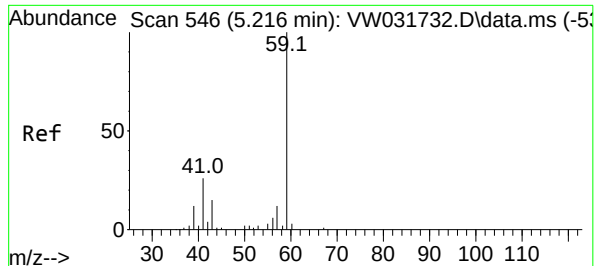
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 146.918 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:142 Resp: 539018
Ion Ratio Lower Upper
142 100
127 47.5 37.9 56.9
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 754.362 ug/l

RT: 5.222 min Scan# 546

Delta R.T. 0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 14672

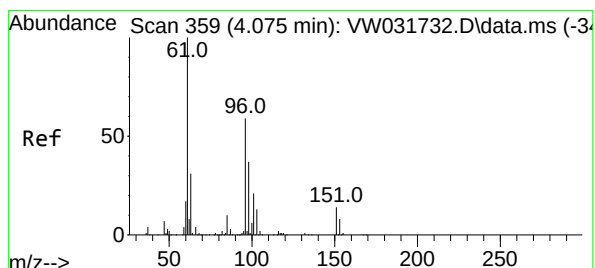
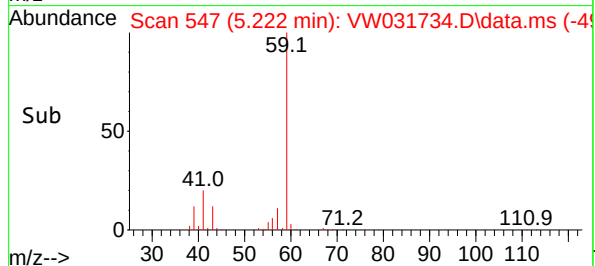
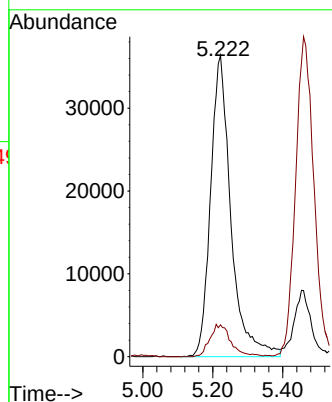
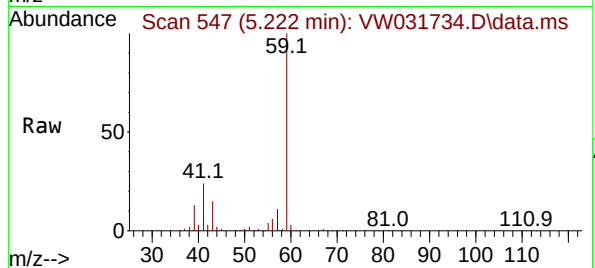
Ion Ratio Lower Upper

59 100

57 10.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

#12

1,1-Dichloroethene

Concen: 148.119 ug/l

RT: 4.070 min Scan# 358

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

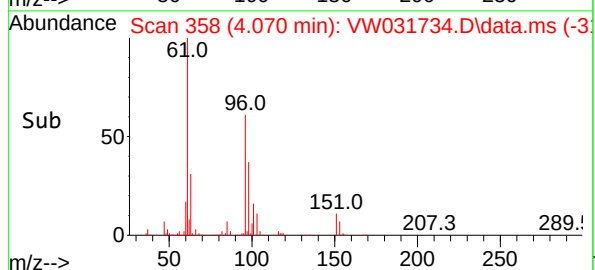
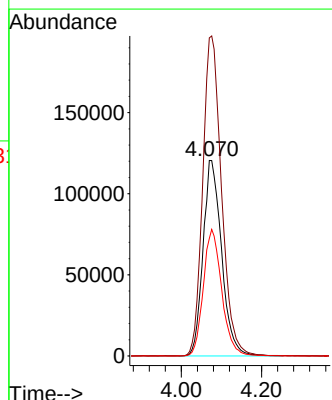
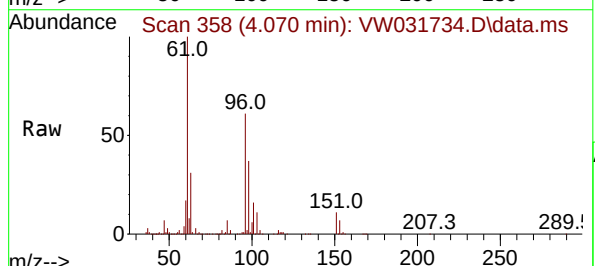
Tgt Ion: 96 Resp: 386108

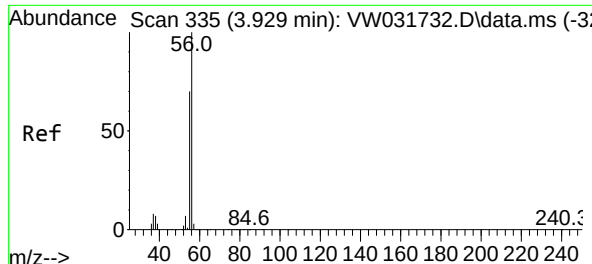
Ion Ratio Lower Upper

96 100

61 162.8 135.8 203.8

98 60.0 50.4 75.6





#13

Acrolein

Concen: 735.736 ug/l

RT: 3.929 min Scan# 335

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 25720

Ion Ratio Lower Upper

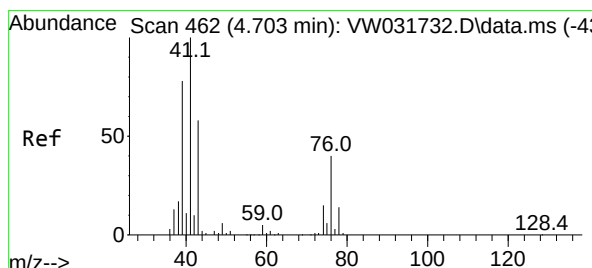
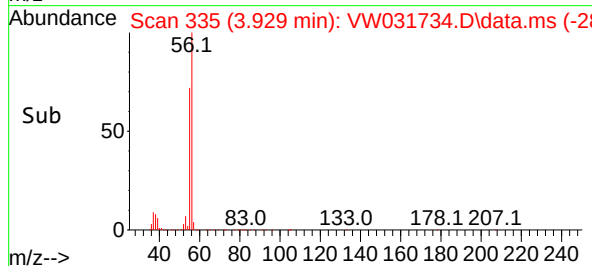
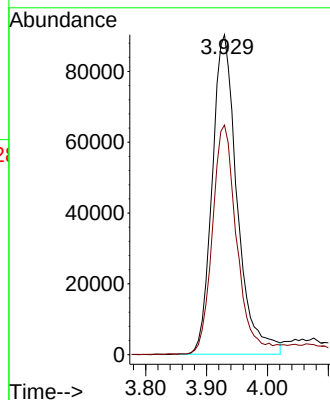
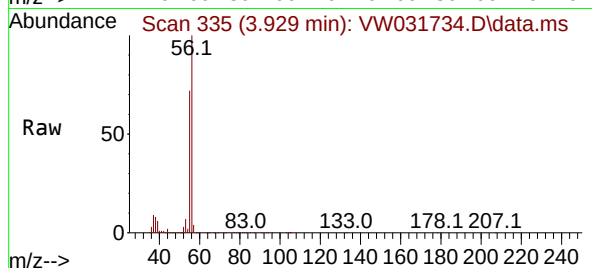
56 100

55 70.6 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#14

Allyl chloride

Concen: 154.996 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

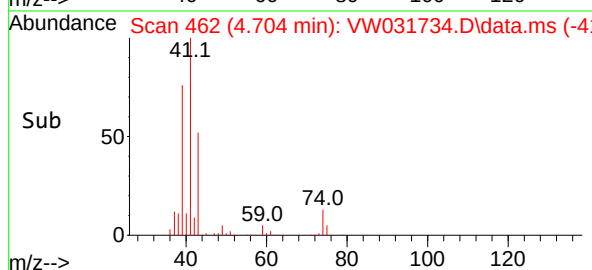
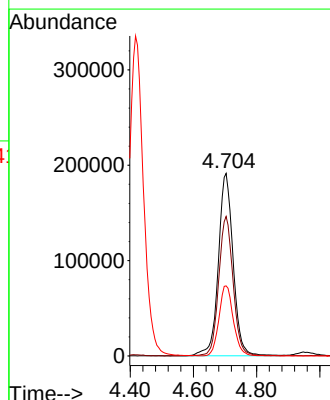
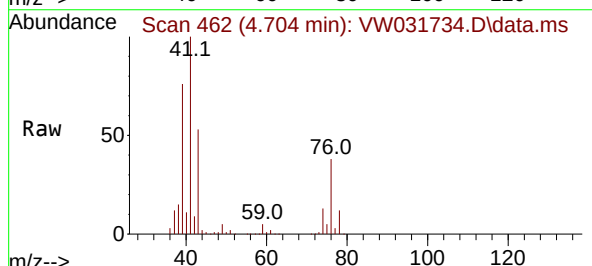
Tgt Ion: 41 Resp: 619915

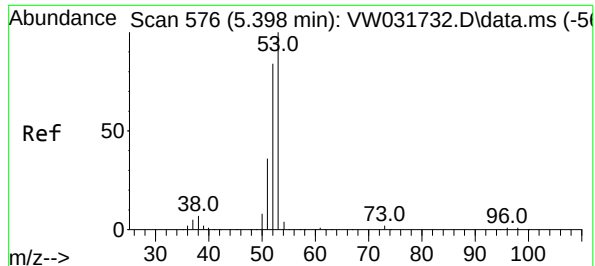
Ion Ratio Lower Upper

41 100

39 74.3 60.7 91.1

76 37.2 30.3 45.5





#15

Acrylonitrile

Concen: 742.391 ug/l

RT: 5.399 min Scan# 51

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 53 Resp: 594790

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

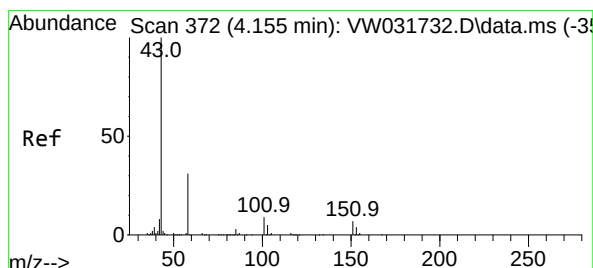
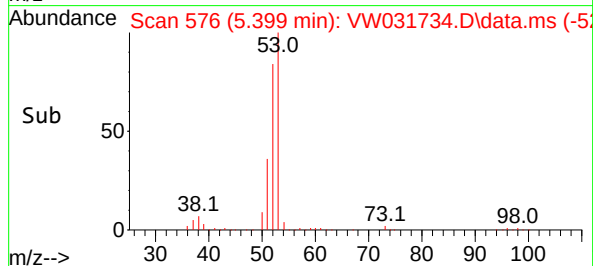
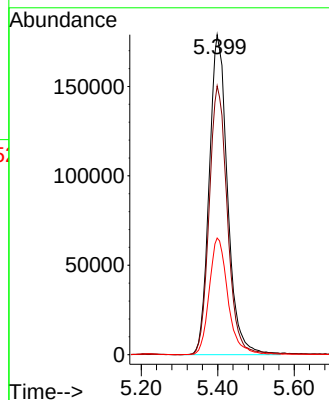
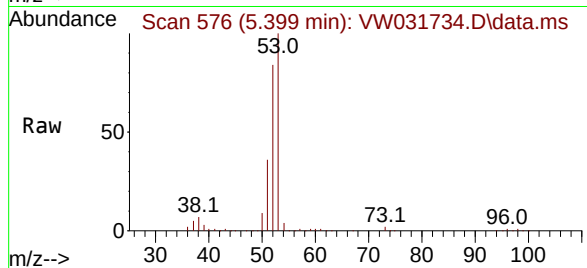
51 37.2 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 606.303 ug/l

RT: 4.155 min Scan# 372

Delta R.T. 0.000 min

Lab File: VW031734.D

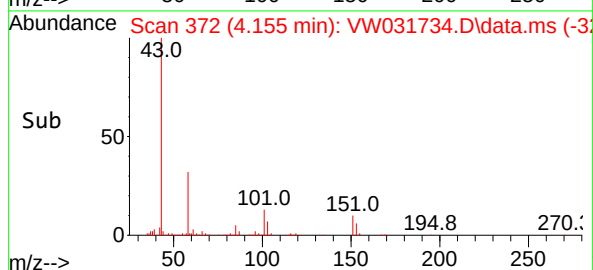
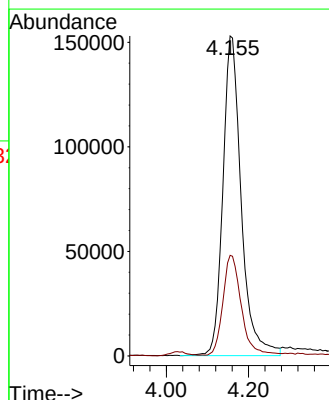
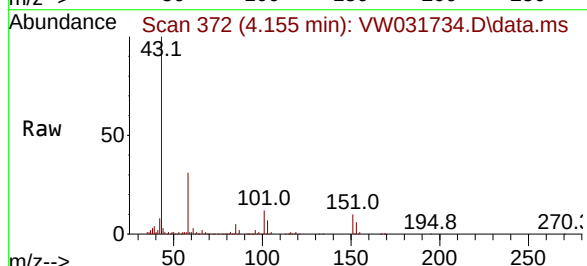
Acq: 30 Jun 2025 12:55

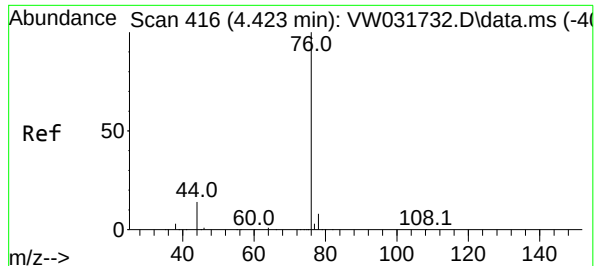
Tgt Ion: 43 Resp: 473412

Ion Ratio Lower Upper

43 100

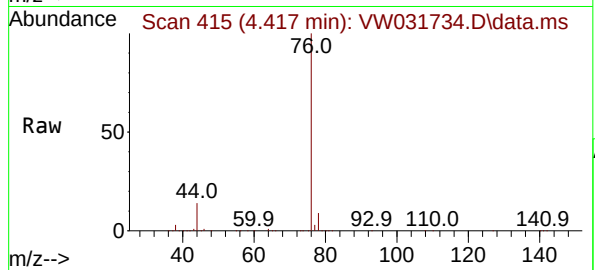
58 30.7 24.8 37.2





#17
Carbon Disulfide
Concen: 153.680 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

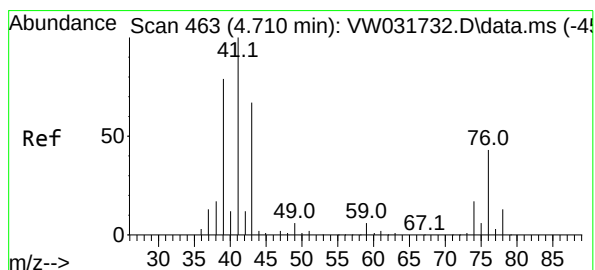
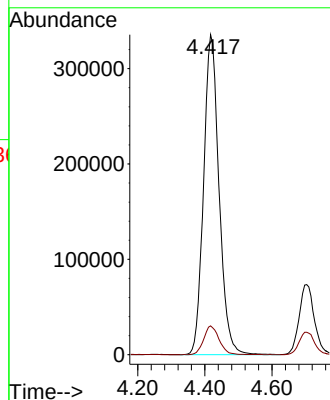
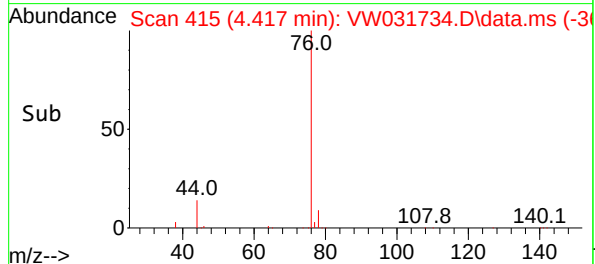
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 1071989
Ion Ratio Lower Upper
76 100
78 9.0 6.6 10.0

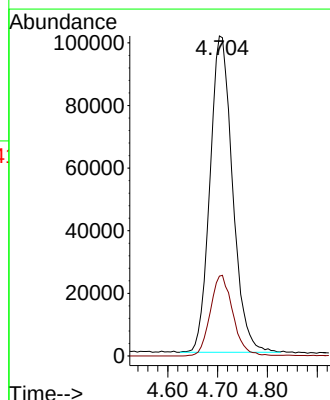
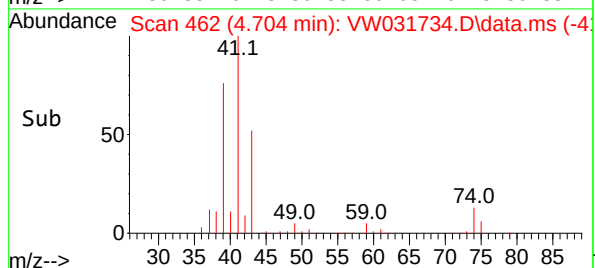
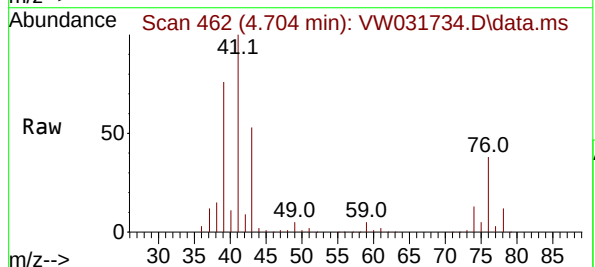
Manual Integrations
APPROVED

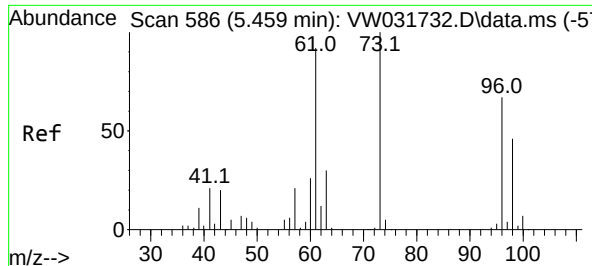
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#18
Methyl Acetate
Concen: 143.565 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 318399
Ion Ratio Lower Upper
43 100
74 25.5 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 146.627 ug/l

RT: 5.466 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 64874

Ion Ratio Lower Upper

73 100

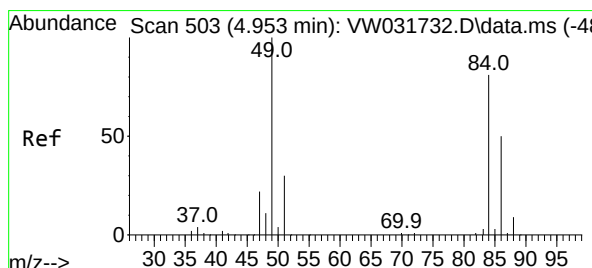
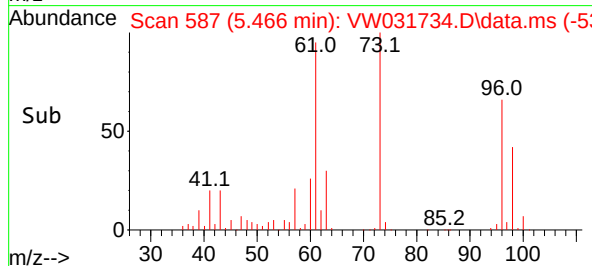
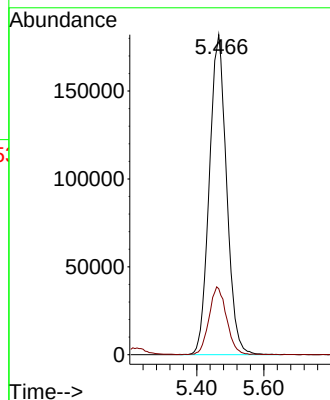
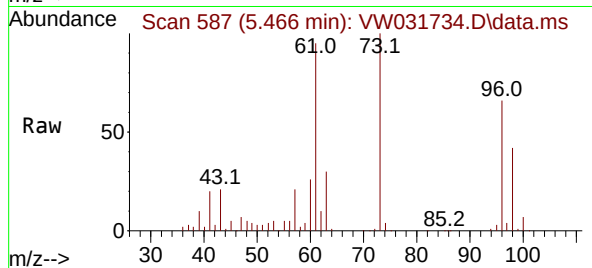
57 20.6 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 150.156 ug/l

RT: 4.954 min Scan# 503

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Tgt Ion: 84 Resp: 411070

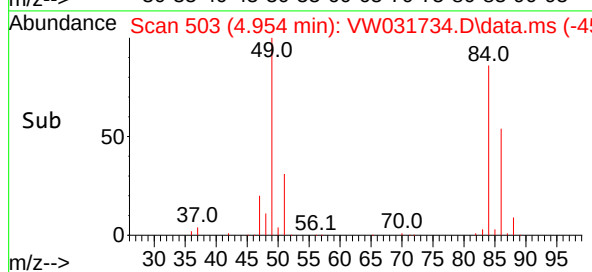
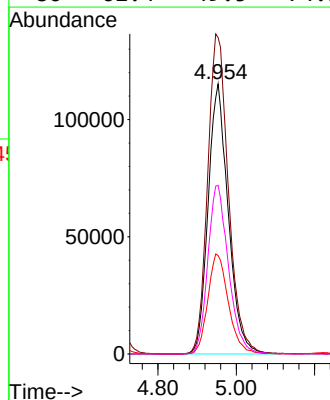
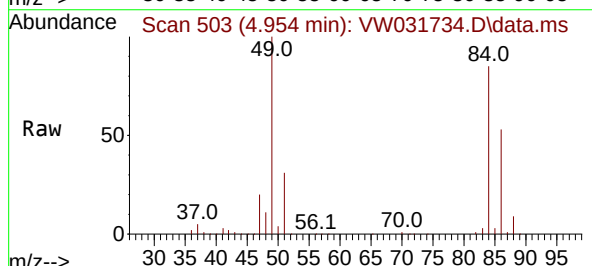
Ion Ratio Lower Upper

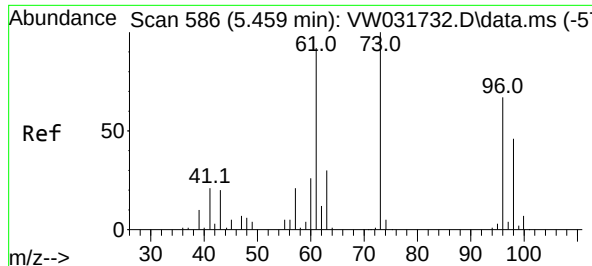
84 100

49 117.1 98.2 147.4

51 36.5 29.8 44.8

86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 149.107 ug/l

RT: 5.453 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 412998

Ion Ratio Lower Upper

96 100

61 139.9 109.8 164.6

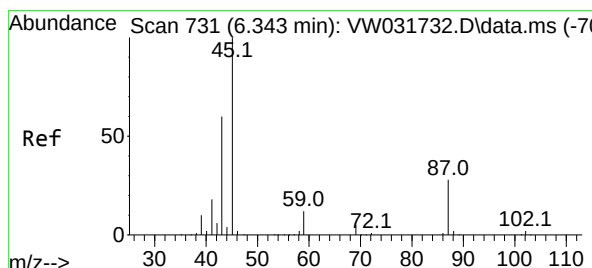
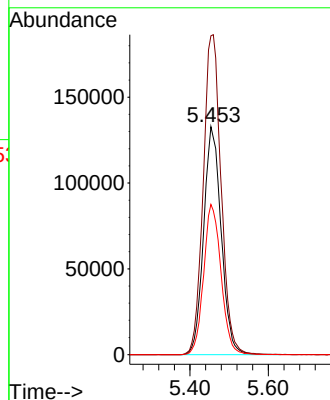
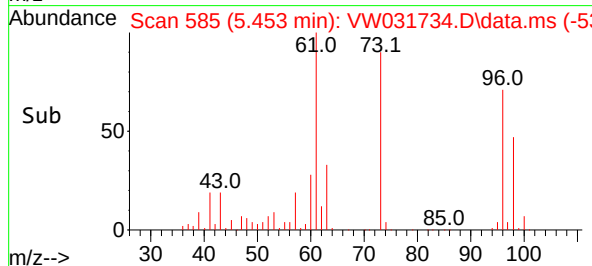
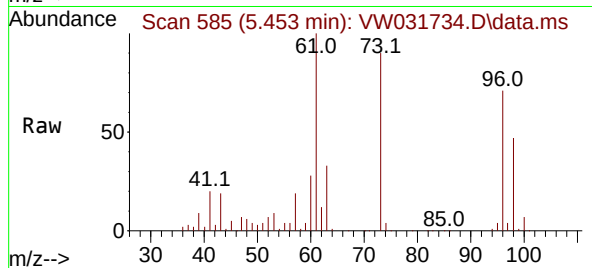
98 65.9 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 148.881 ug/l

RT: 6.337 min Scan# 730

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Tgt Ion: 45 Resp: 1161324

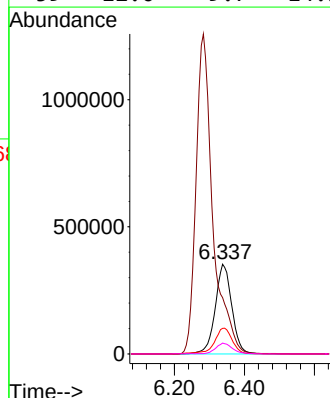
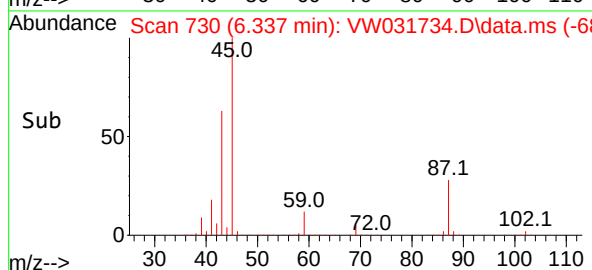
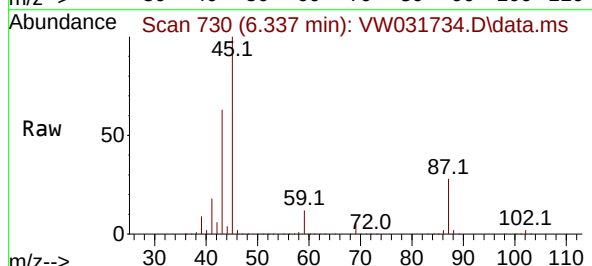
Ion Ratio Lower Upper

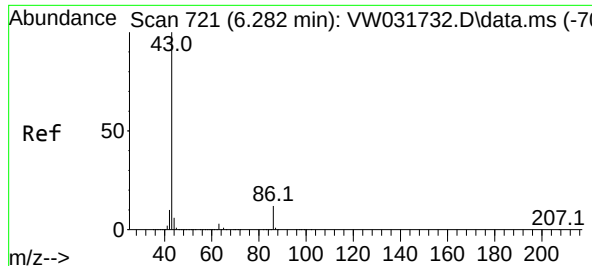
45 100

43 62.5 48.3 72.5

87 28.4 22.6 34.0

59 12.0 9.7 14.5





#23

Vinyl Acetate

Concen: 785.745 ug/l

RT: 6.283 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 418641

Ion Ratio Lower Upper

43

100

86

11.4

9.2

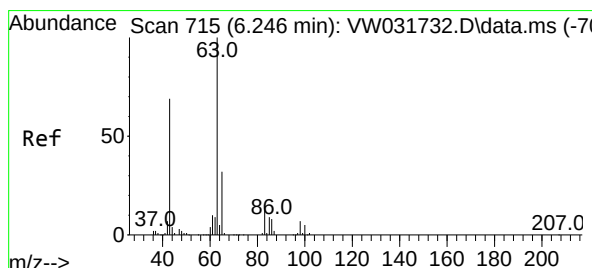
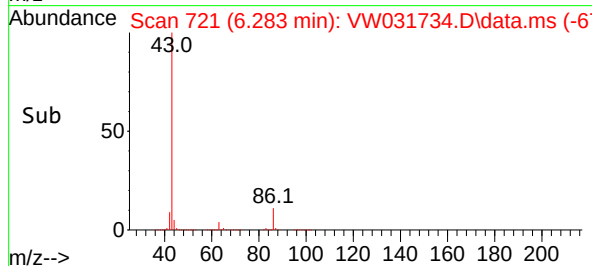
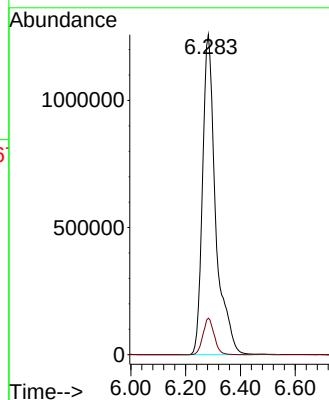
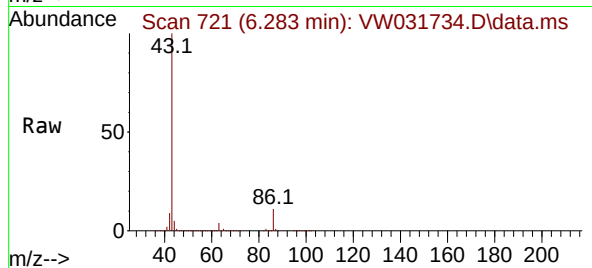
13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 149.658 ug/l

RT: 6.246 min Scan# 715

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 756841

Ion Ratio Lower Upper

63

100

98

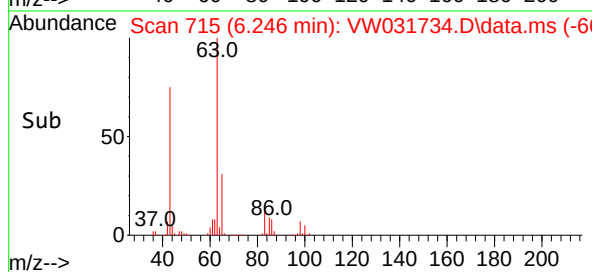
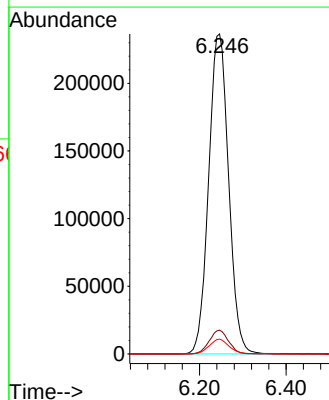
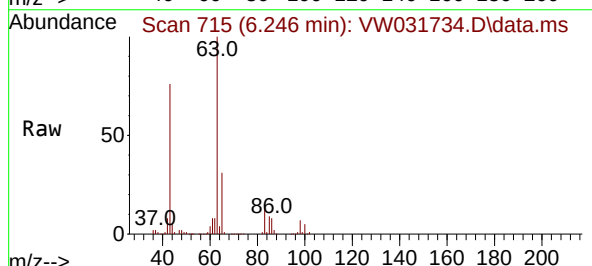
7.5

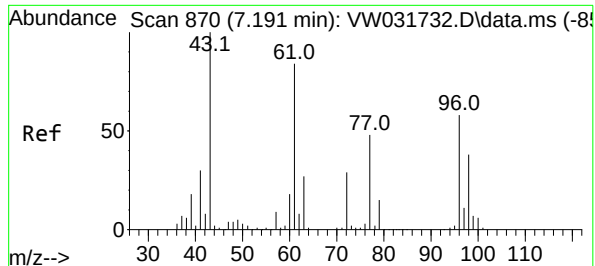
100

4.6

2.5

7.5





#25

2-Butanone

Concen: 768.838 ug/l

RT: 7.191 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 776184

Ion Ratio Lower Upper

43 100

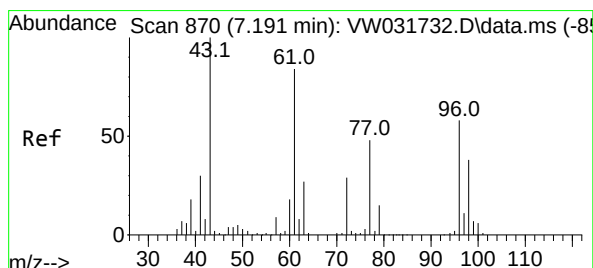
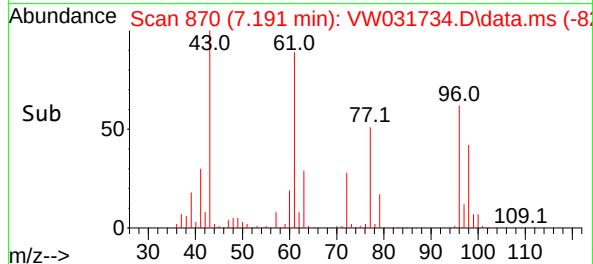
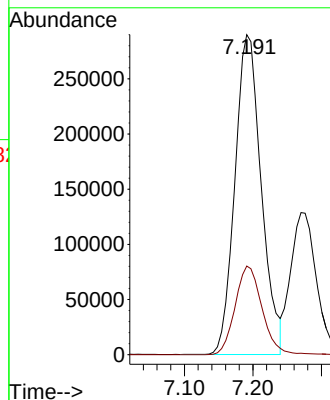
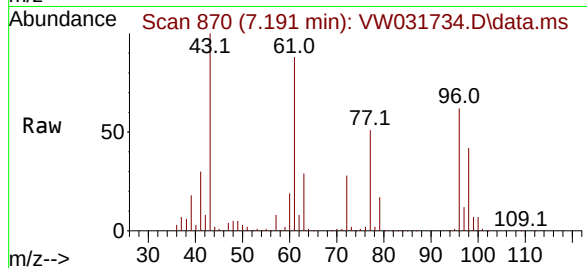
72 27.7 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#26

2,2-Dichloropropane

Concen: 149.570 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031734.D

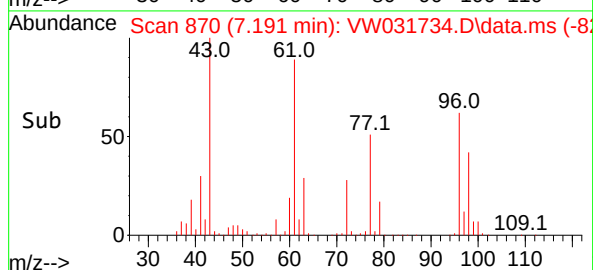
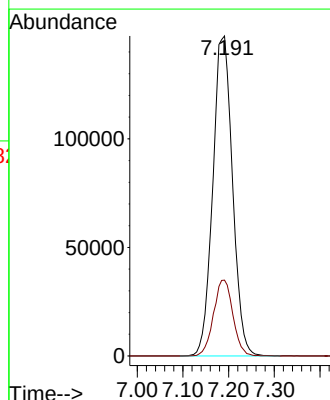
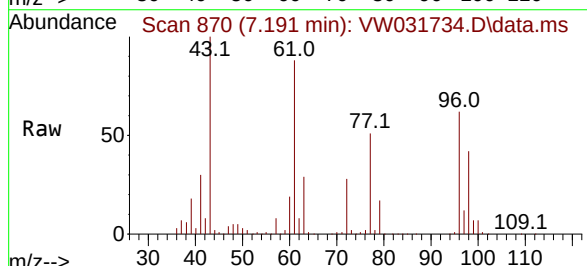
Acq: 30 Jun 2025 12:55

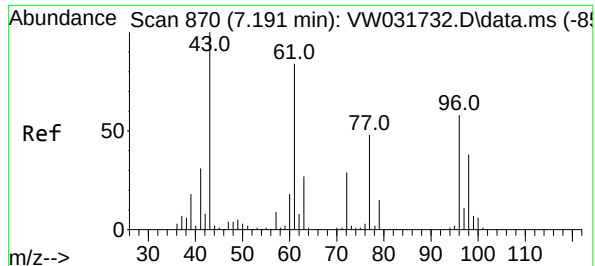
Tgt Ion: 77 Resp: 441320

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 152.485 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 48549

Ion Ratio Lower Upper

96 100

61 143.0 0.0 286.8

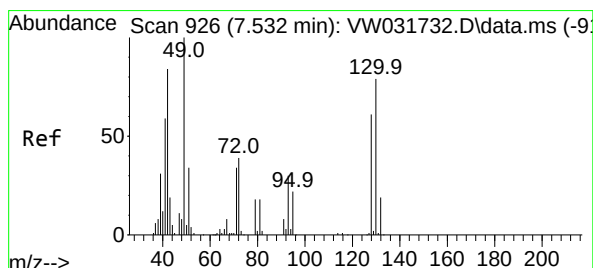
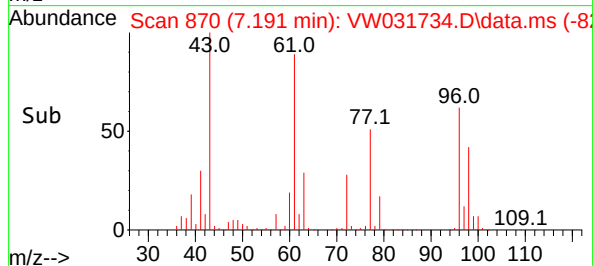
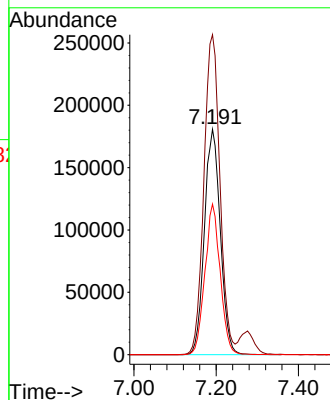
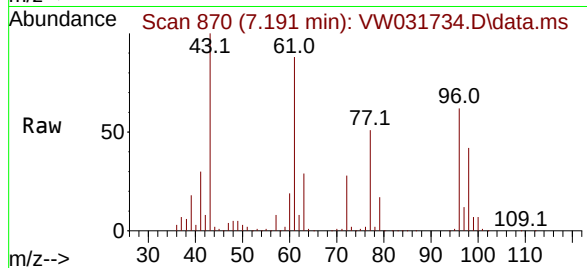
98 64.3 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 143.858 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

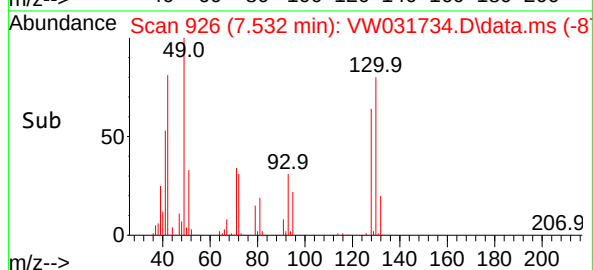
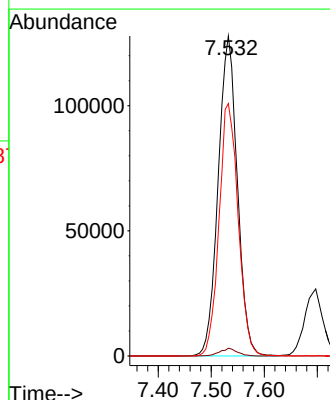
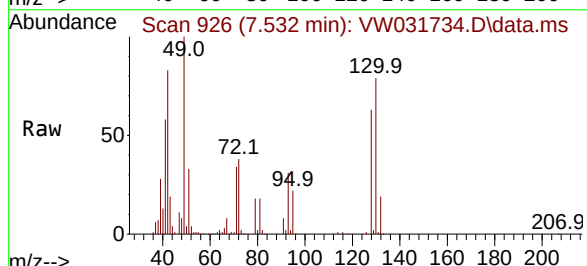
Tgt Ion: 49 Resp: 321043

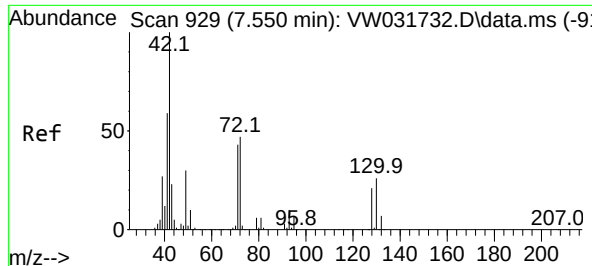
Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.4

130 78.8 61.3 91.9





#29

Tetrahydrofuran

Concen: 748.936 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 51779

Ion Ratio Lower Upper

42 100

72 46.7 36.8 55.2

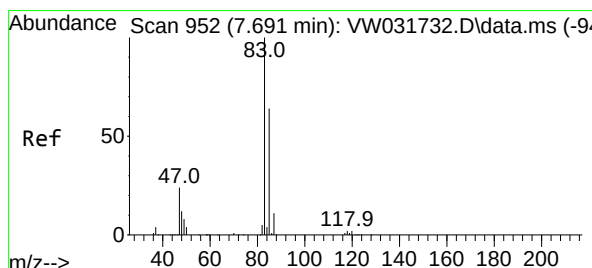
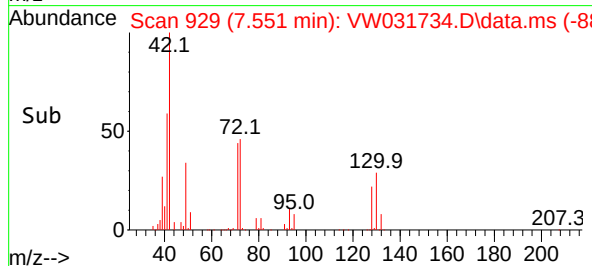
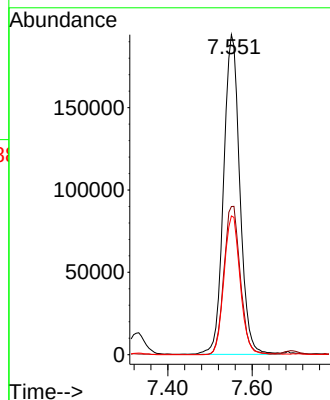
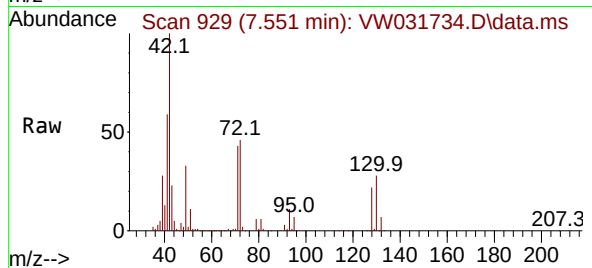
71 43.3 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 147.511 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031734.D

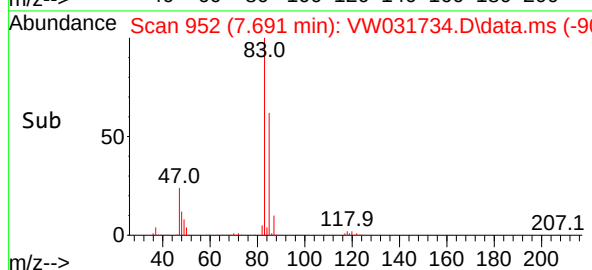
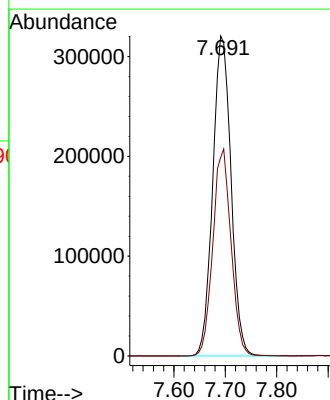
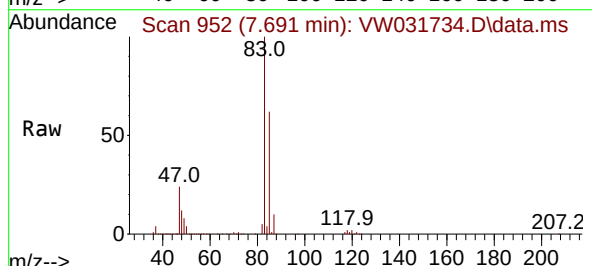
Acq: 30 Jun 2025 12:55

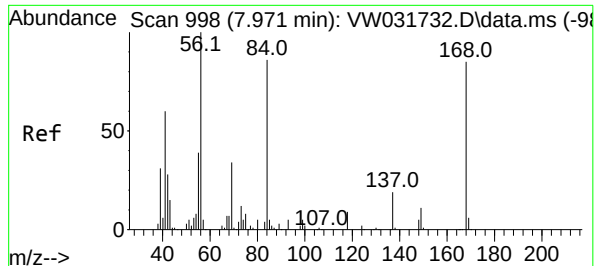
Tgt Ion: 83 Resp: 792676

Ion Ratio Lower Upper

83 100

85 62.1 51.4 77.0





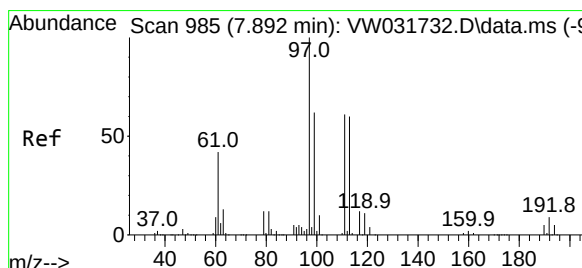
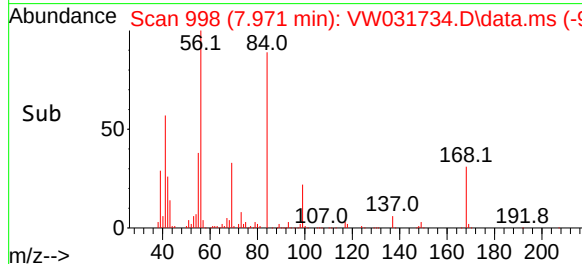
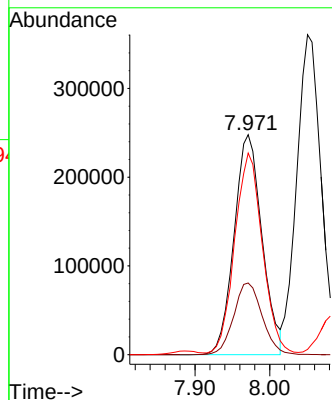
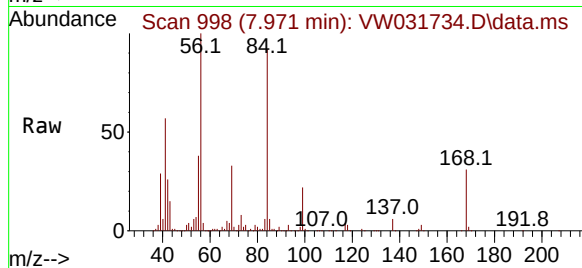
#31
Cyclohexane
Concen: 143.962 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
Client Sample Id :
VSTDICC150

Tgt Ion: 56 Resp: 643550
Ion Ratio Lower Upper
56 100
69 32.6 27.2 40.8
84 90.0 68.5 102.7

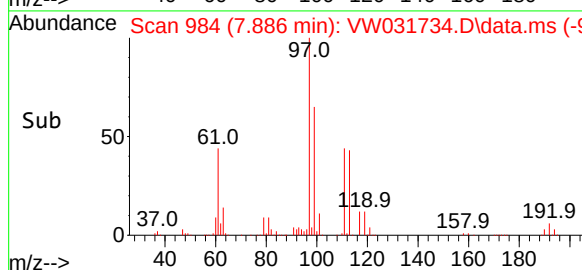
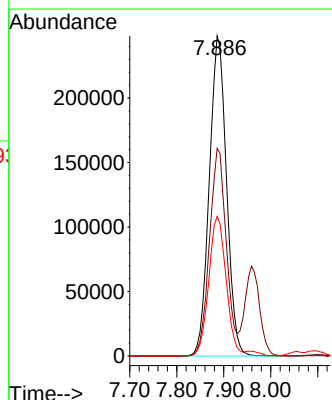
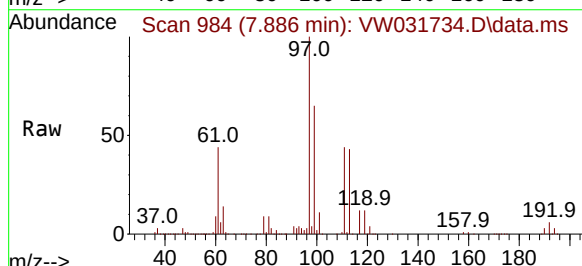
Manual Integrations
APPROVED

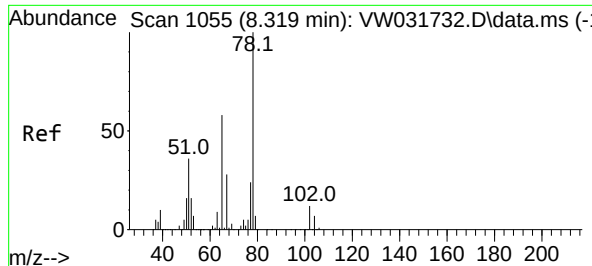
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#32
1,1,1-Trichloroethane
Concen: 152.050 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 97 Resp: 629664
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 43.9 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 143.606 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 450859

Ion Ratio Lower Upper

65 100

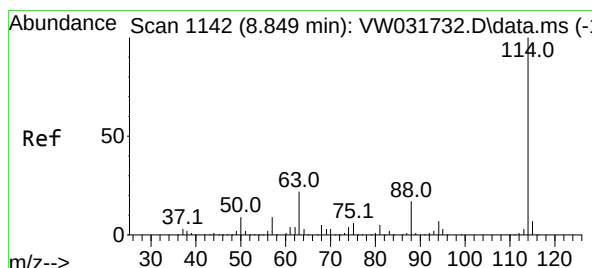
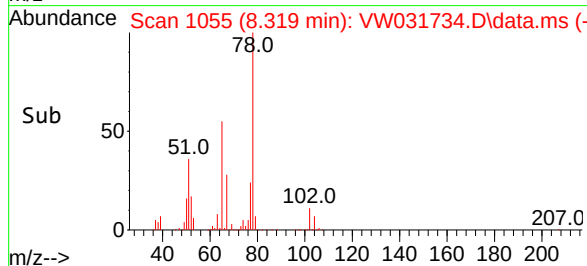
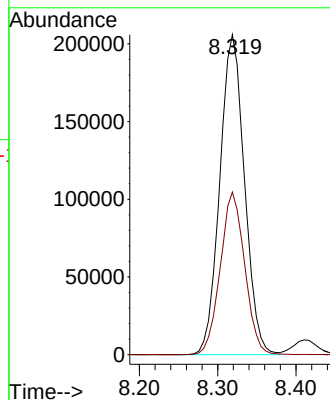
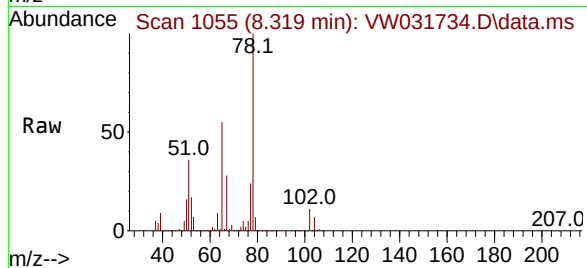
67 50.3 0.0 99.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

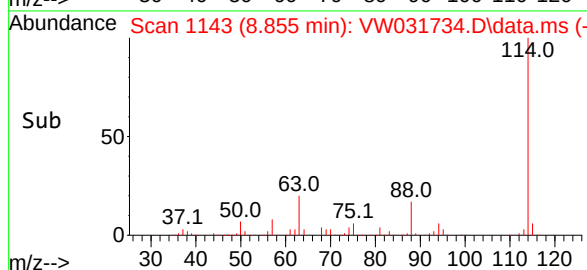
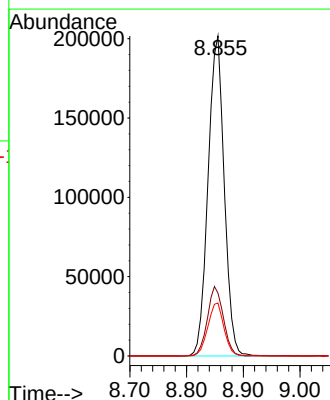
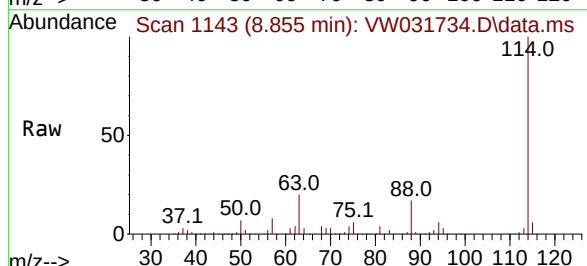
Tgt Ion:114 Resp: 399414

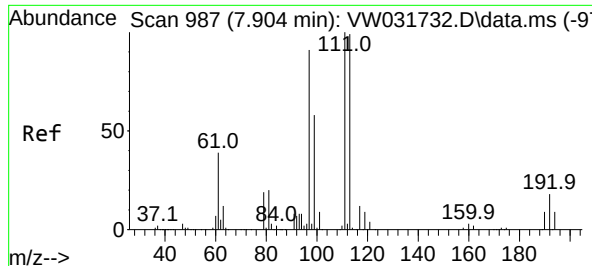
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.6

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 143.636 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 37436

Ion Ratio Lower Upper

113 100

111 104.0 82.1 123.1

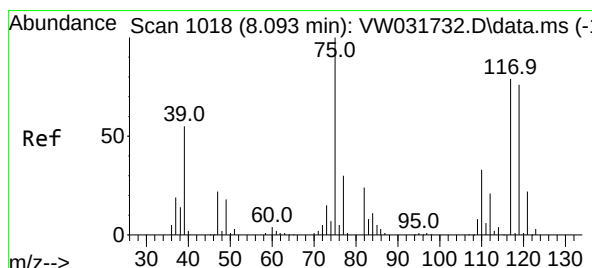
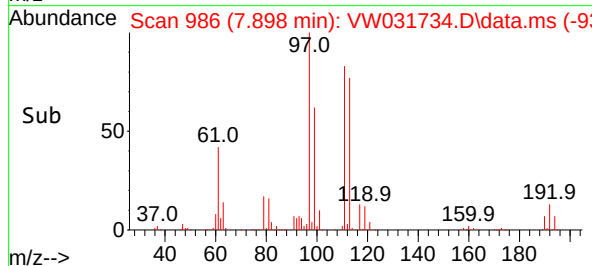
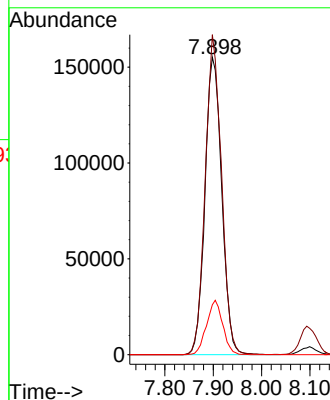
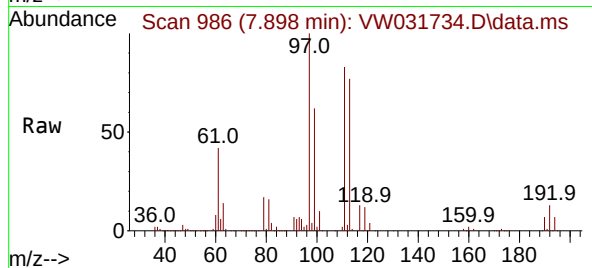
192 17.6 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 148.429 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

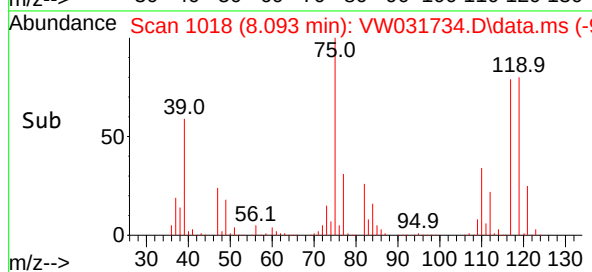
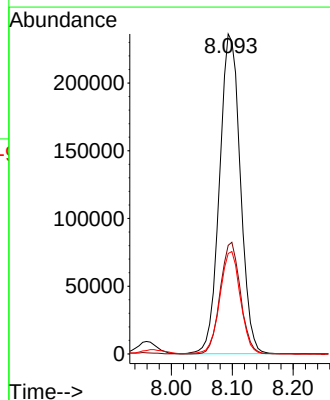
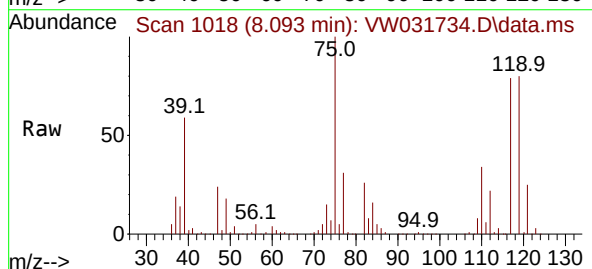
Tgt Ion: 75 Resp: 559803

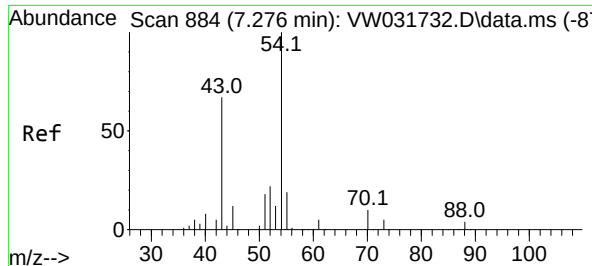
Ion Ratio Lower Upper

75 100

110 34.0 16.8 50.4

77 31.8 25.0 37.6





#37

Ethyl Acetate

Concen: 143.618 ug/l

RT: 7.270 min Scan# 884

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 34169

Ion Ratio Lower Upper

43 100

61 13.5 10.9 16.3

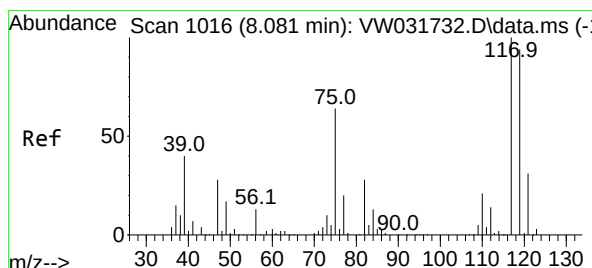
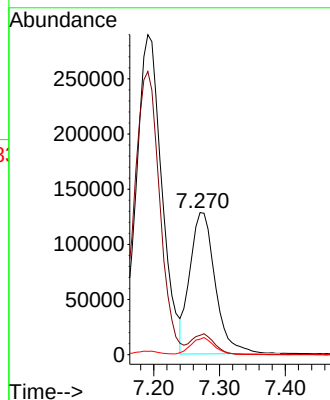
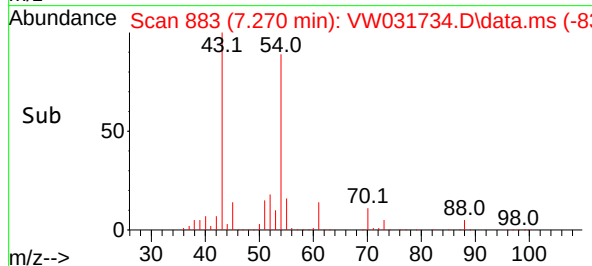
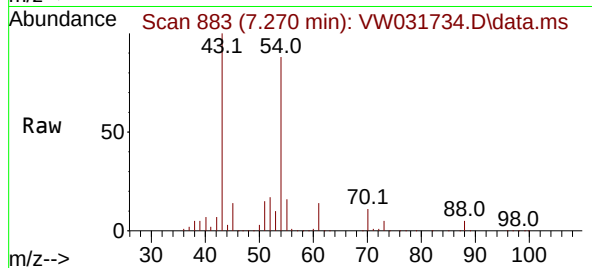
70 11.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 151.072 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

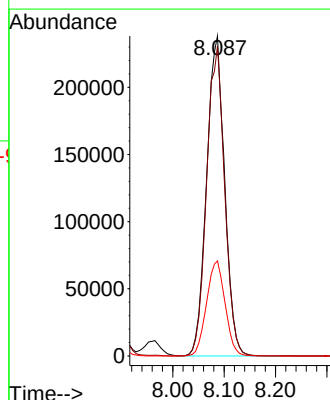
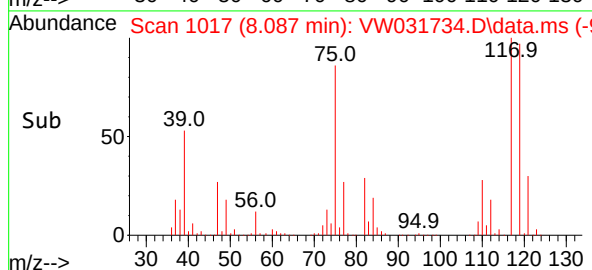
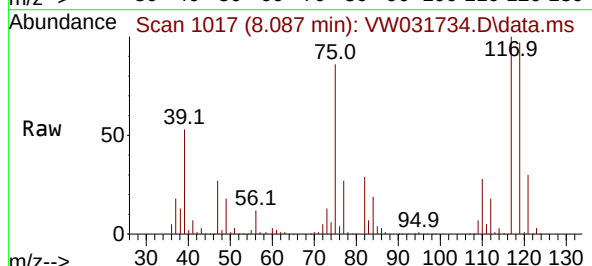
Tgt Ion:117 Resp: 580610

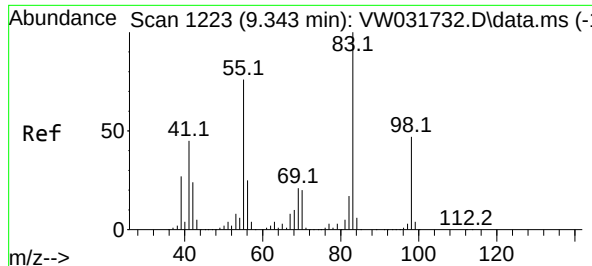
Ion Ratio Lower Upper

117 100

119 96.8 75.0 112.6

121 29.7 24.6 37.0





#39

Methylcyclohexane

Concen: 157.996 ug/l

RT: 9.343 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 741380

Ion Ratio Lower Upper

83 100

55 75.5 61.0 91.4

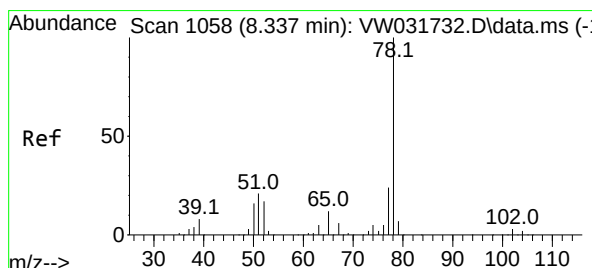
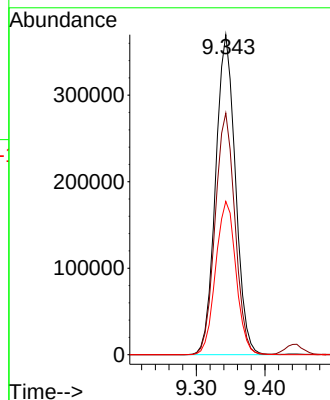
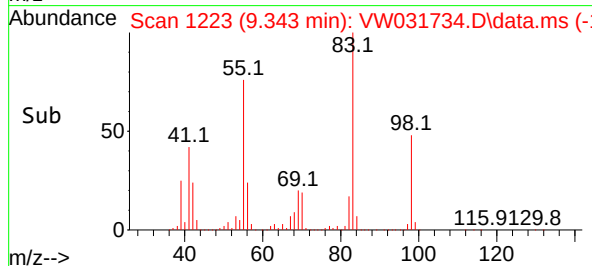
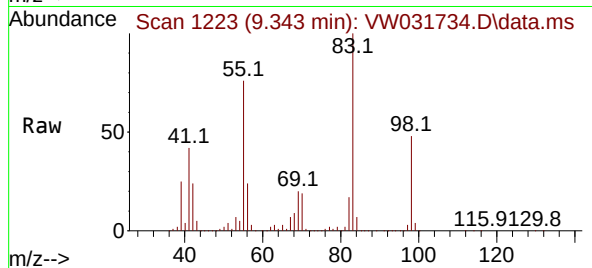
98 47.9 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 147.198 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031734.D

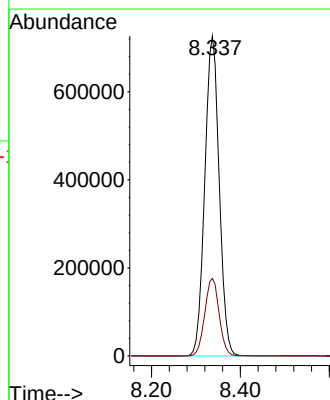
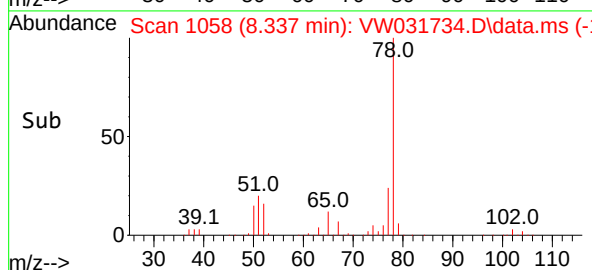
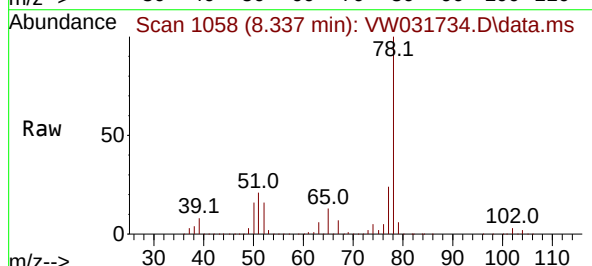
Acq: 30 Jun 2025 12:55

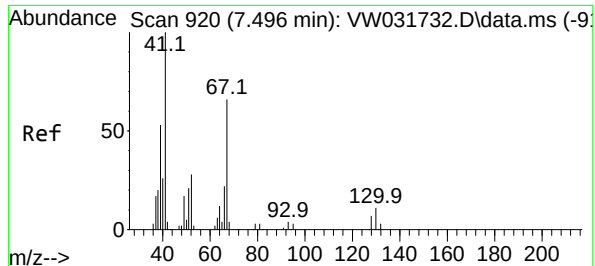
Tgt Ion: 78 Resp: 1642494

Ion Ratio Lower Upper

78 100

77 24.2 19.2 28.8





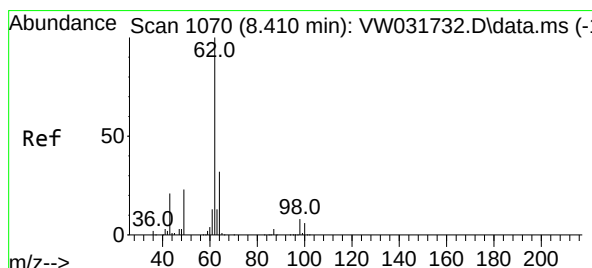
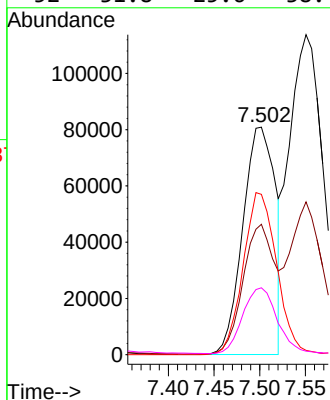
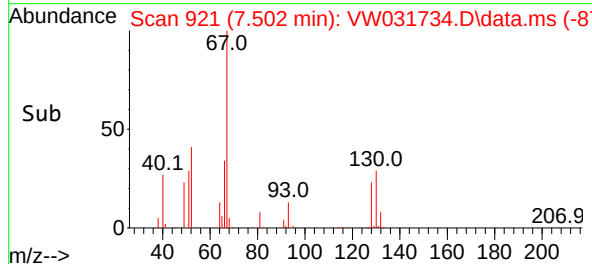
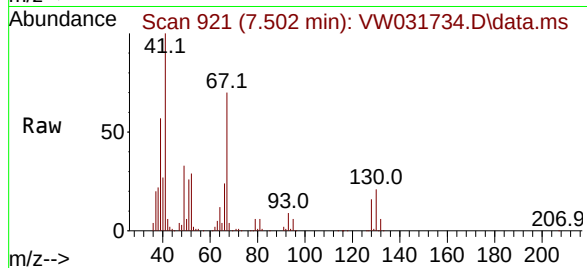
#41
Methacrylonitrile
Concen: 156.650 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 199650
Ion Ratio Lower Upper
41 100
39 55.2 43.2 64.8
67 74.1 58.1 87.1
52 31.8 25.6 38.4

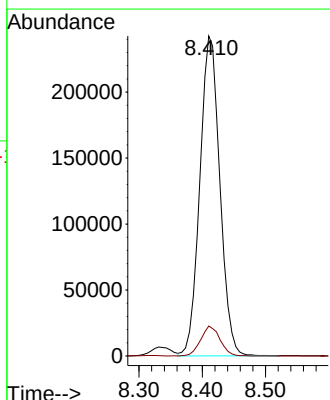
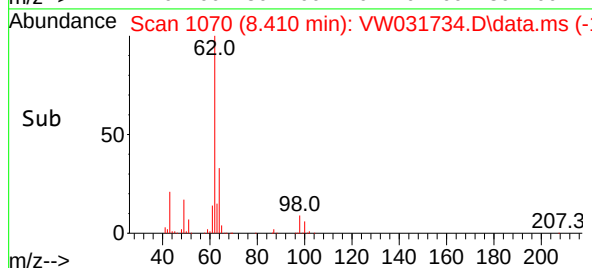
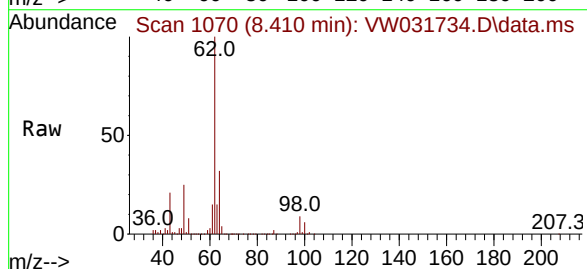
Manual Integrations
APPROVED

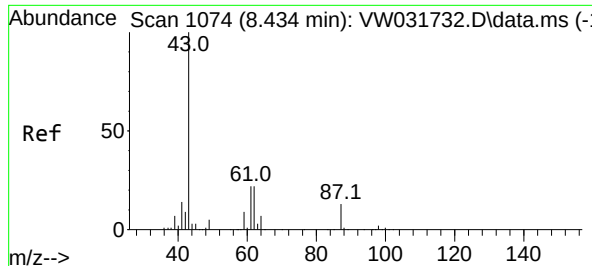
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 141.578 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 62 Resp: 533792
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 153.874 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

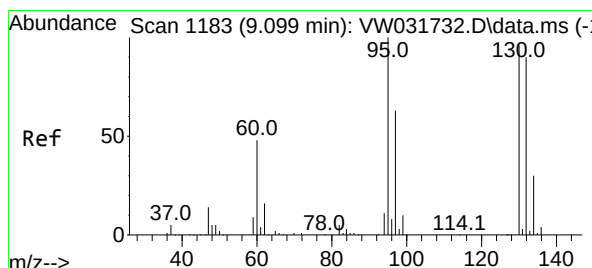
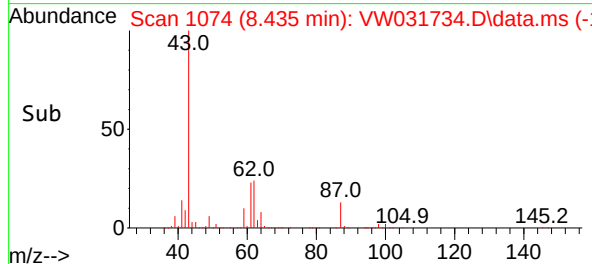
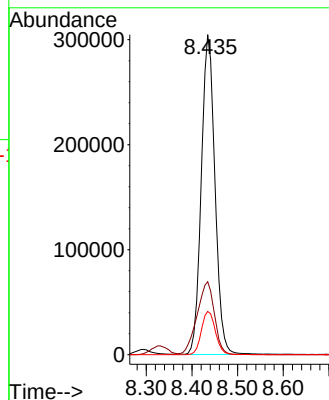
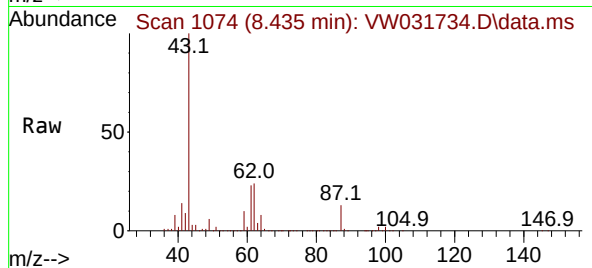
ClientSampleId :

VSTDICC150

Tgt Ion: 43	Resp: 63105
Ion Ratio	Lower Upper
43	100
61	28.9 23.1 34.7
87	13.8 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 152.358 ug/l

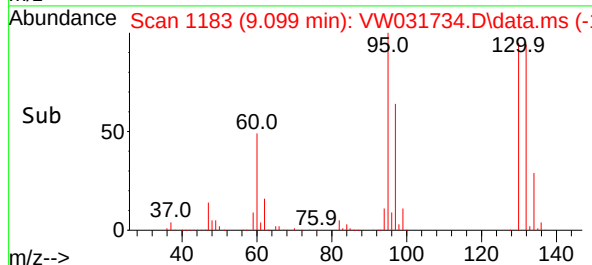
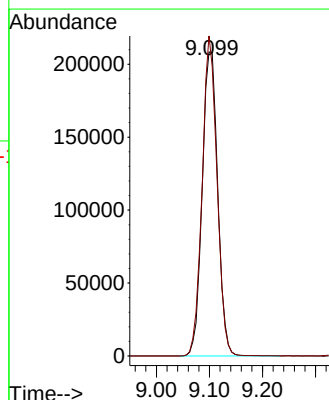
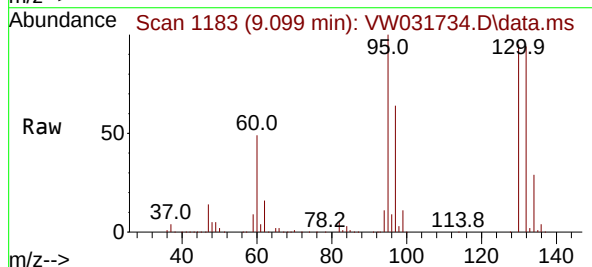
RT: 9.099 min Scan# 1183

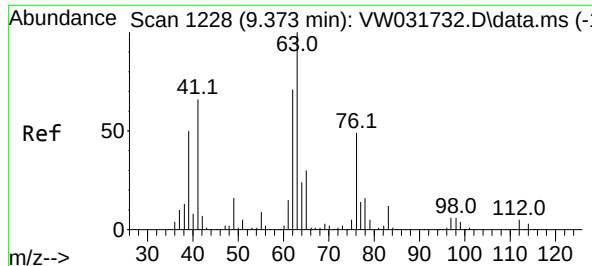
Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Tgt Ion:130	Resp: 424322
Ion Ratio	Lower Upper
130	100
95	105.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 144.616 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 390000

Ion Ratio Lower Upper

63 100

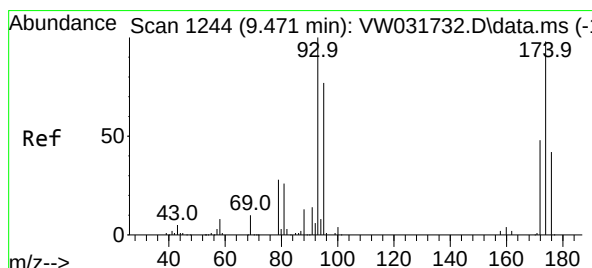
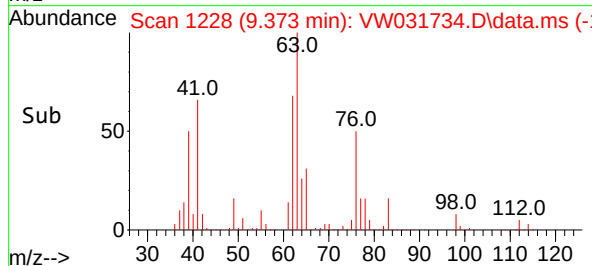
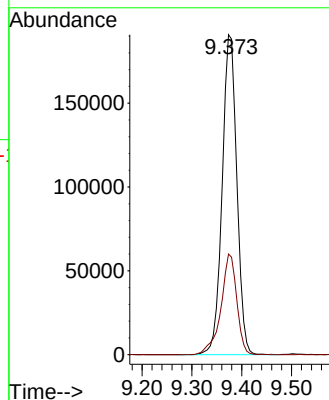
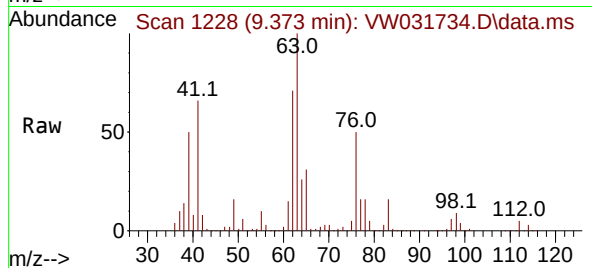
65 31.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 144.196 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

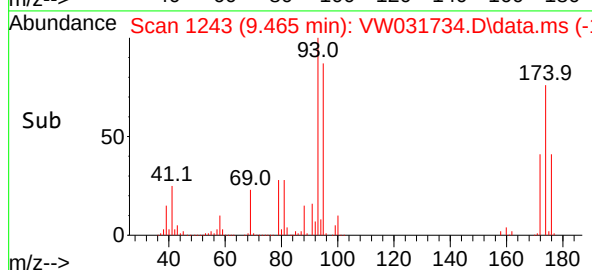
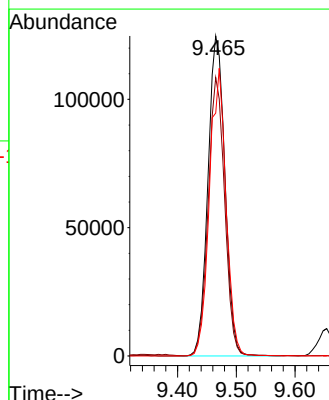
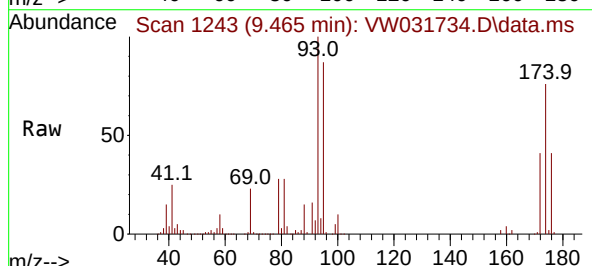
Tgt Ion: 93 Resp: 251060

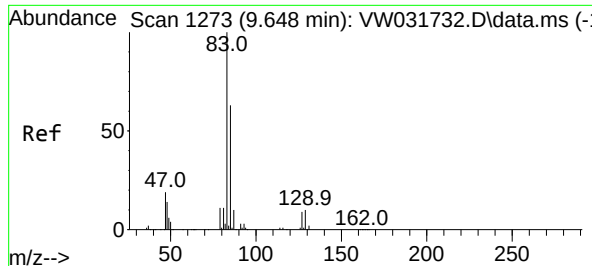
Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.4

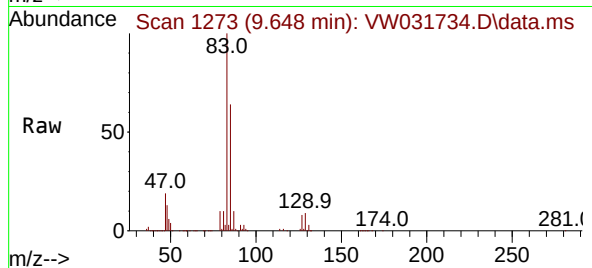
174 87.6 71.7 107.5





#47
Bromodichloromethane
Concen: 149.611 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

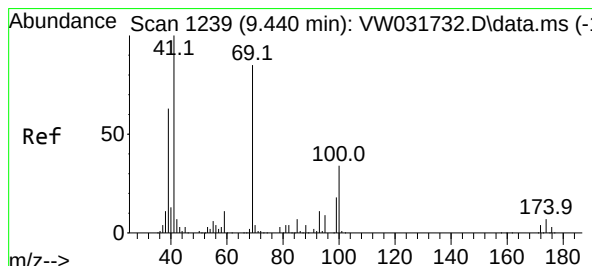
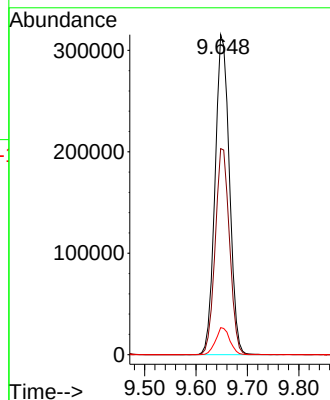
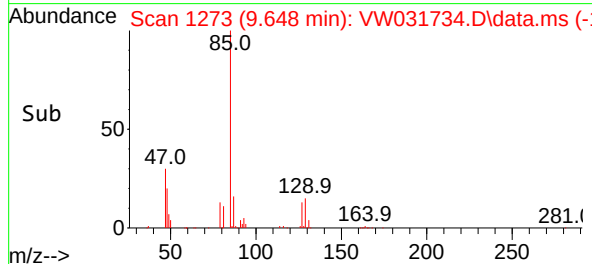
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 61083
Ion Ratio Lower Upper
83 100
85 64.4 50.8 76.2
127 8.4 6.8 10.2

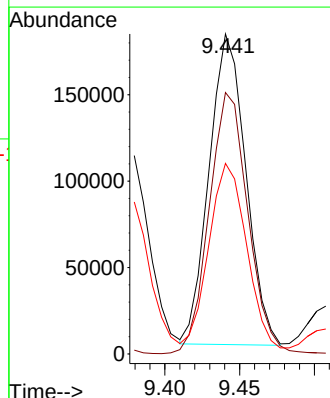
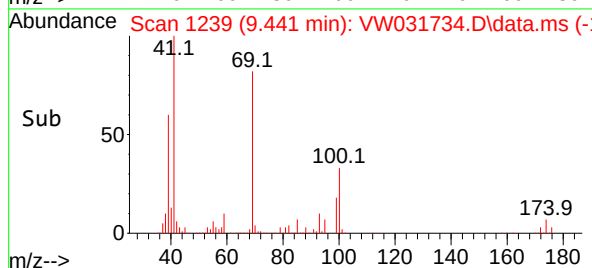
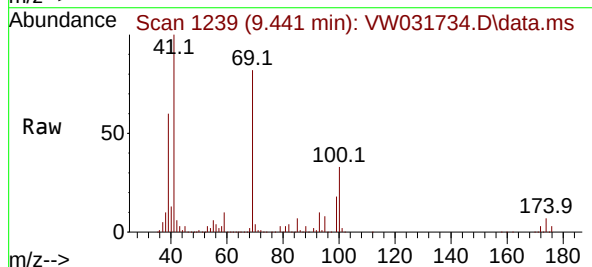
Manual Integrations
APPROVED

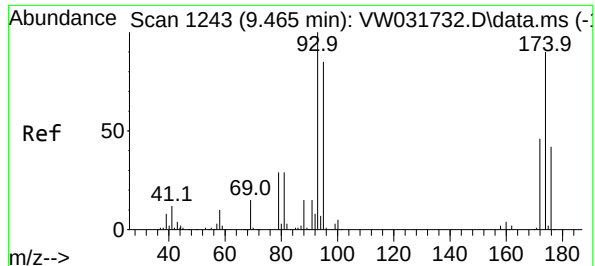
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#48
Methyl methacrylate
Concen: 152.139 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 306797
Ion Ratio Lower Upper
41 100
69 89.2 71.6 107.4
39 60.2 49.5 74.3





#49

1,4-Dioxane

Concen: 3121.017 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 57850

Ion Ratio Lower Upper

88 100

43 25.8 0.0 0.0

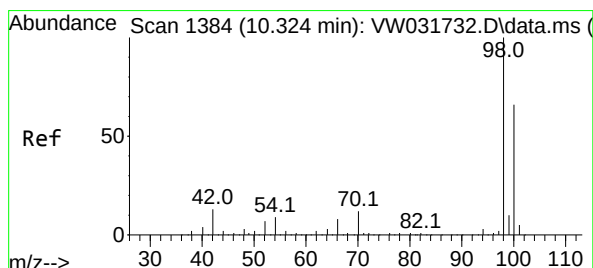
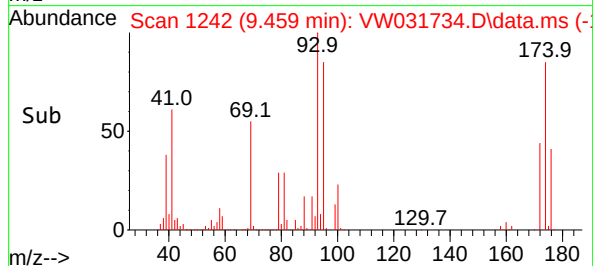
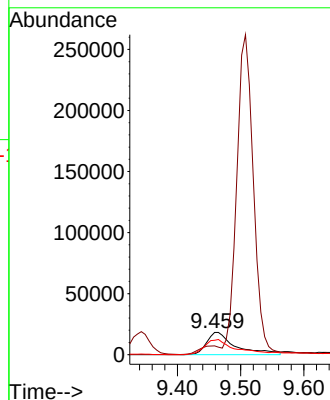
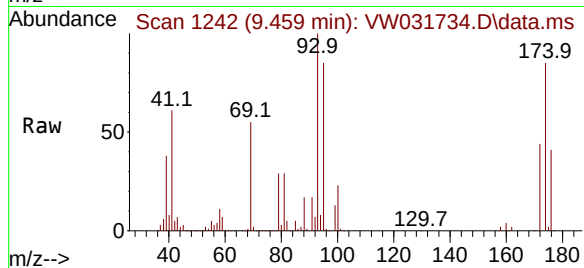
58 77.9 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

Concen: 147.419 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031734.D

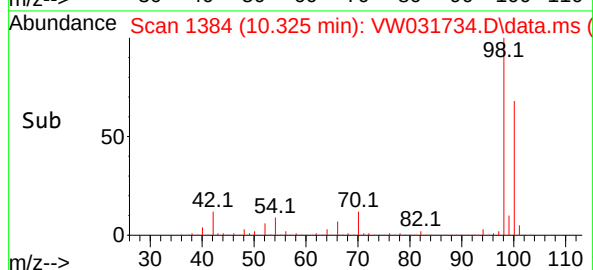
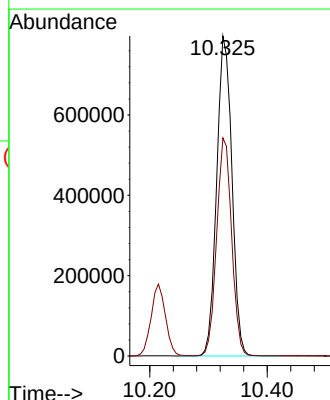
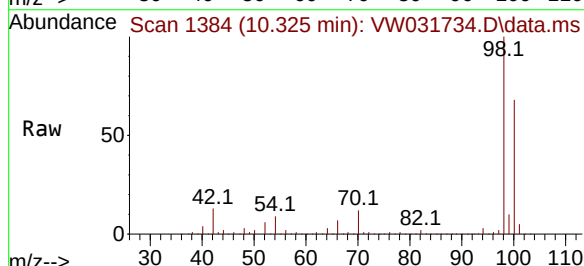
Acq: 30 Jun 2025 12:55

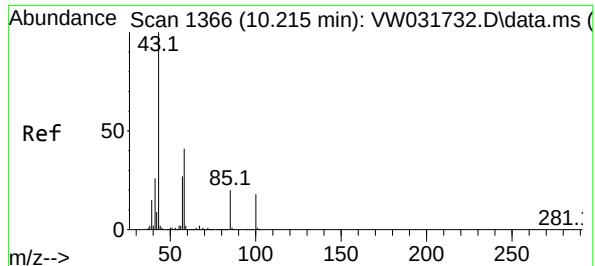
Tgt Ion: 98 Resp: 1429859

Ion Ratio Lower Upper

98 100

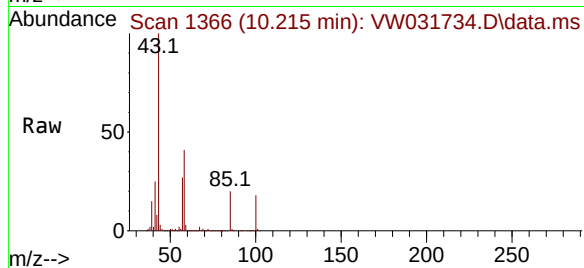
100 67.2 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 729.963 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

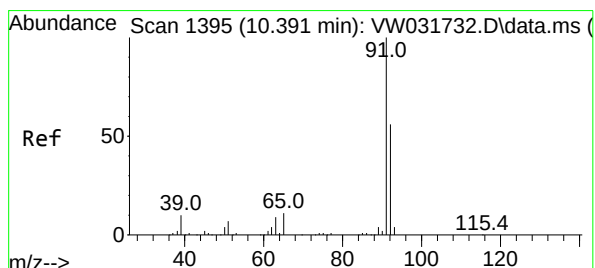
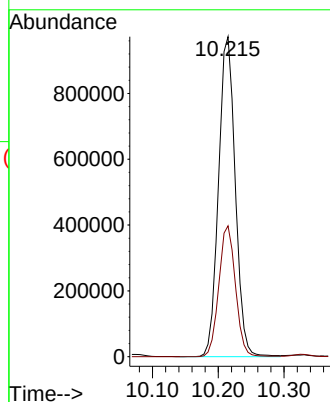
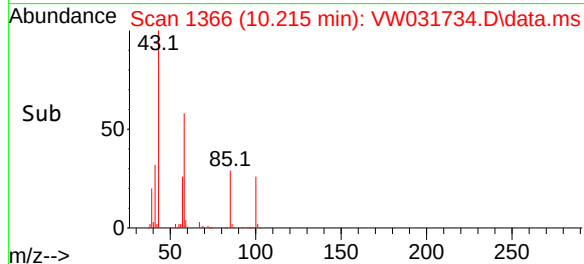
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 172109
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.2

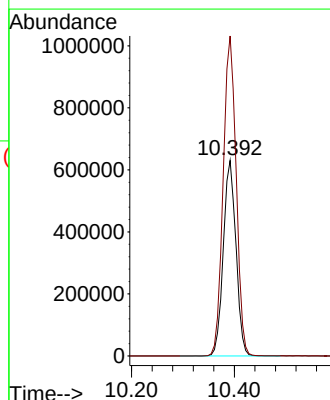
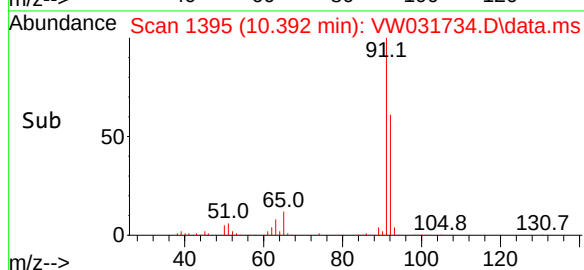
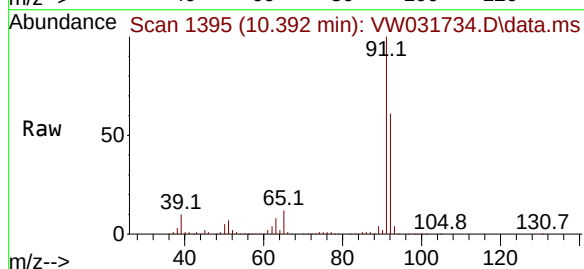
Manual Integrations
APPROVED

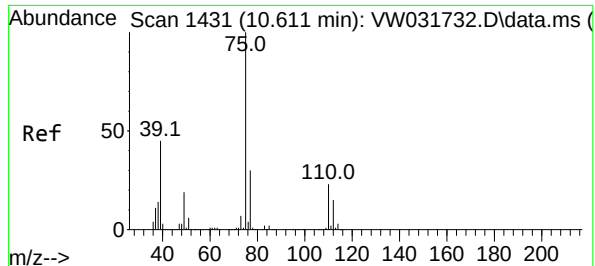
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 150.709 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

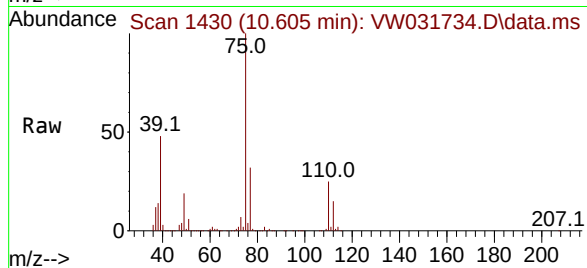
Tgt Ion: 92 Resp: 1076709
Ion Ratio Lower Upper
92 100
91 168.0 139.5 209.3





#53
t-1,3-Dichloropropene
Concen: 156.353 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

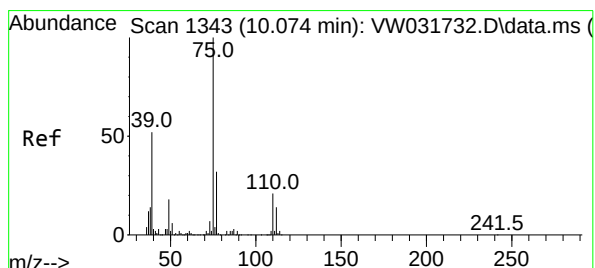
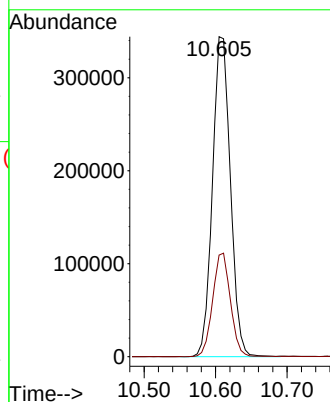
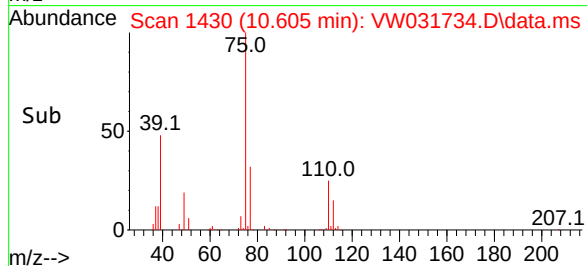
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



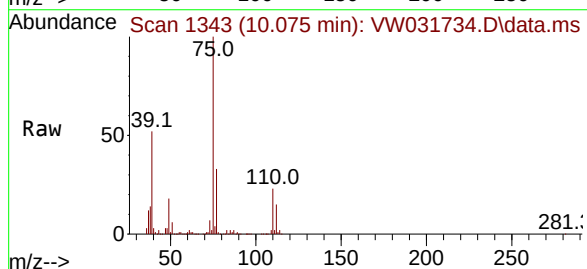
Tgt Ion: 75 Resp: 59894
Ion Ratio Lower Upper
75 100
77 31.7 24.3 36.5

Manual Integrations
APPROVED

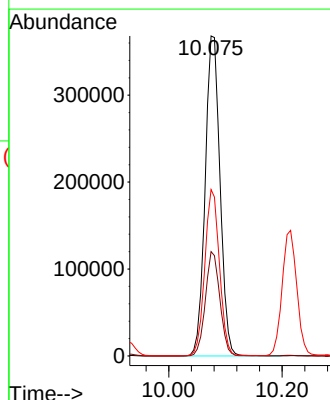
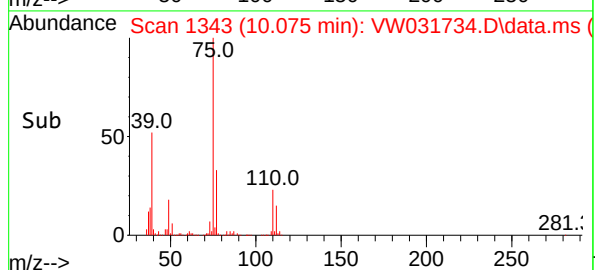
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

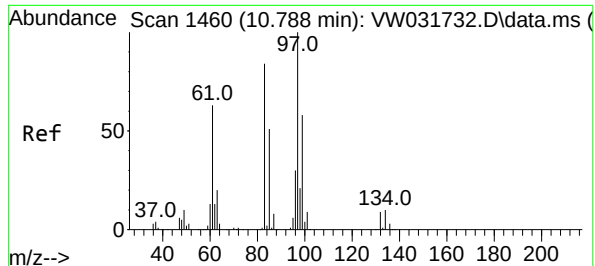


#54
cis-1,3-Dichloropropene
Concen: 154.433 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55



Tgt Ion: 75 Resp: 670647
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2
39 51.9 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 143.331 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 326894

Ion Ratio Lower Upper

97 100

83 84.0 66.9 100.3

85 55.7 41.1 61.7

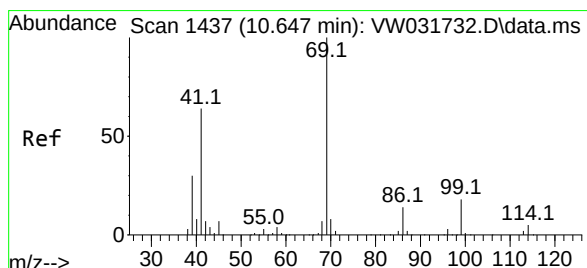
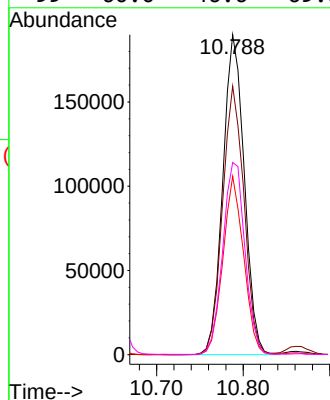
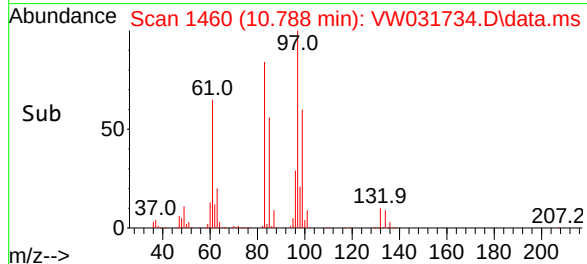
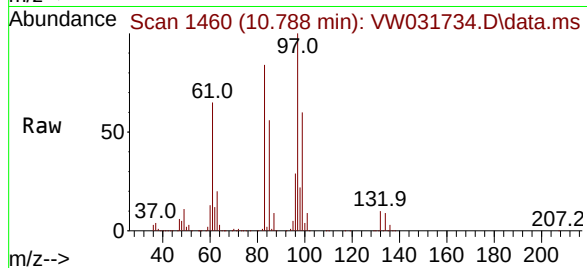
99 60.0 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 158.587 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

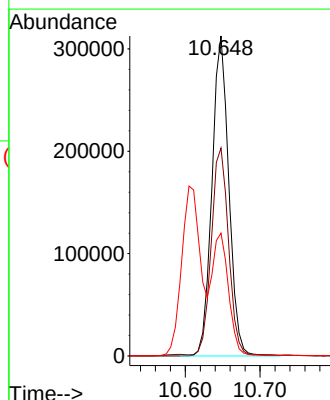
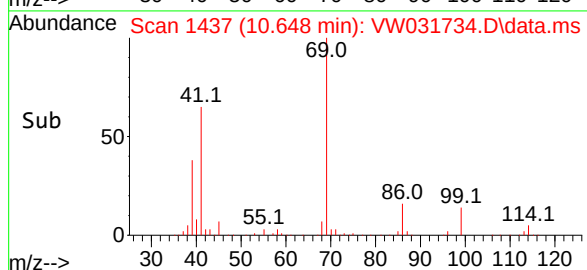
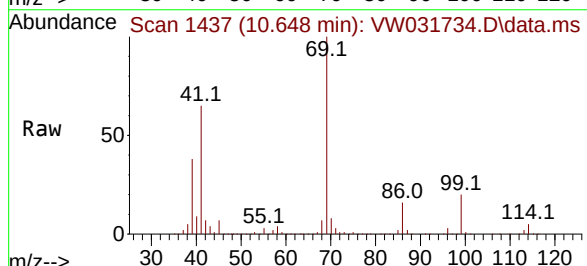
Tgt Ion: 69 Resp: 490690

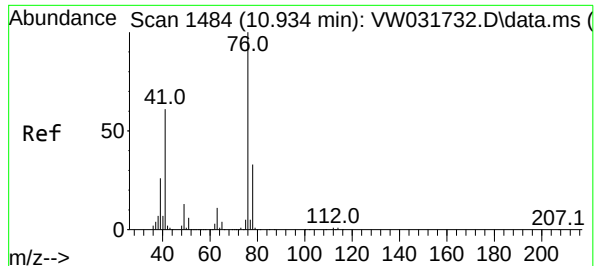
Ion Ratio Lower Upper

69 100

41 67.0 53.3 79.9

39 36.6 30.2 45.2





#57

1,3-Dichloropropane

Concen: 142.516 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 57066

Ion Ratio Lower Upper

76 100

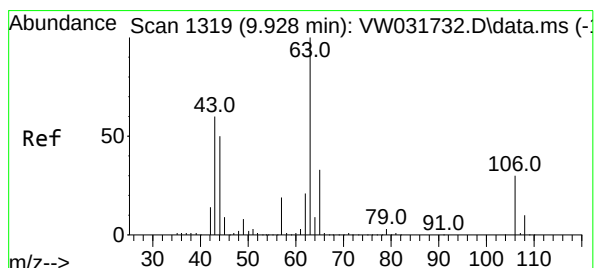
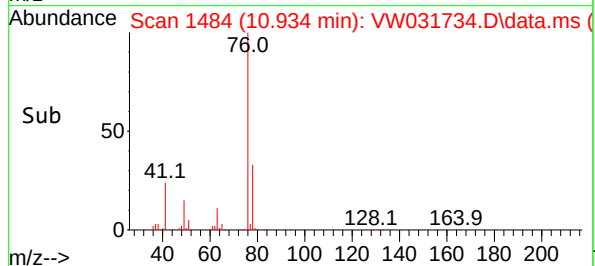
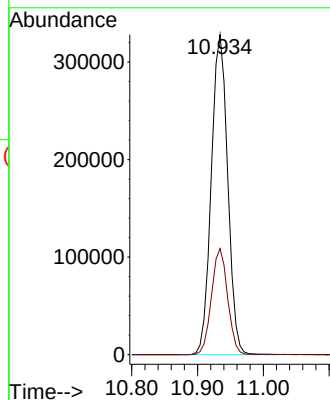
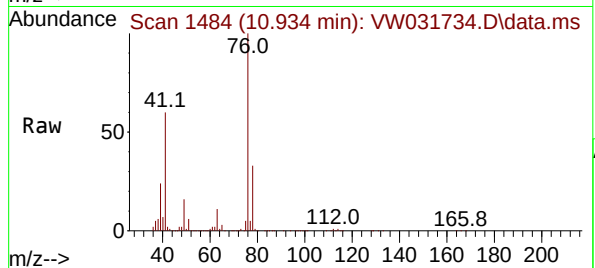
78 32.7 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 761.261 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031734.D

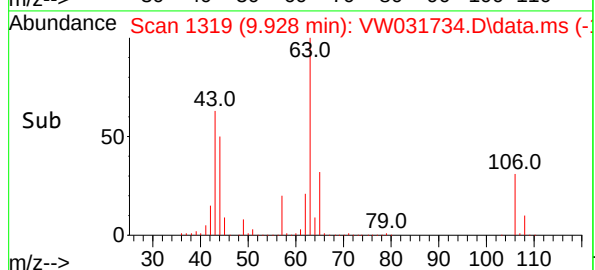
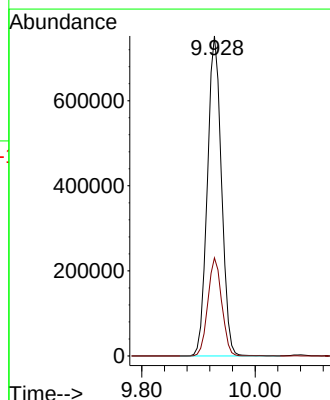
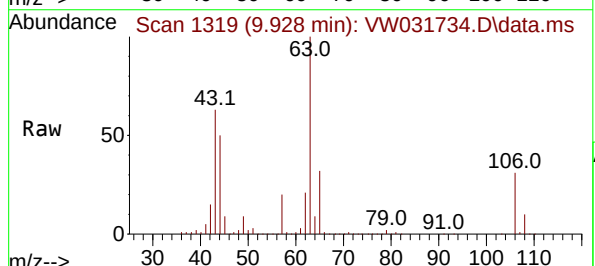
Acq: 30 Jun 2025 12:55

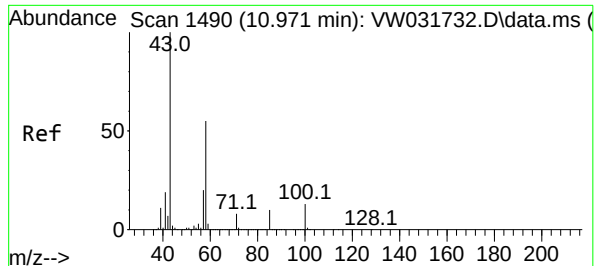
Tgt Ion: 63 Resp: 1297023

Ion Ratio Lower Upper

63 100

106 30.2 24.1 36.1





#59

2-Hexanone

Concen: 746.062 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 119200

Ion Ratio Lower Upper

43 100

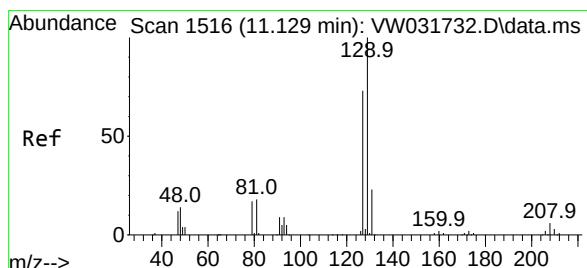
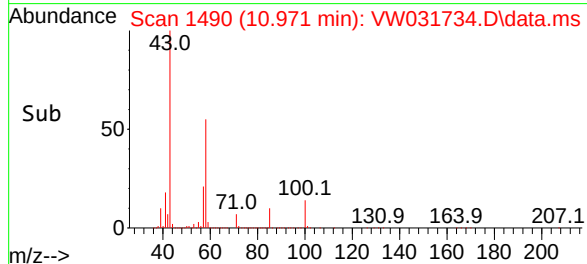
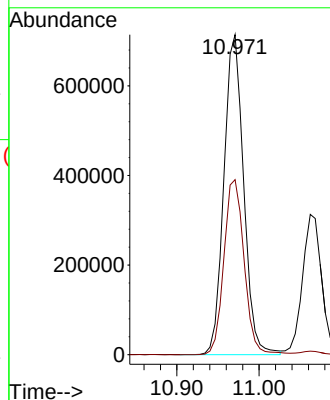
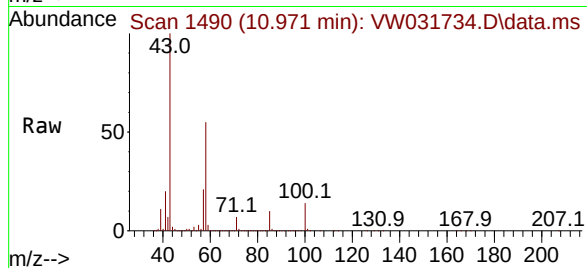
58 56.1 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 151.554 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031734.D

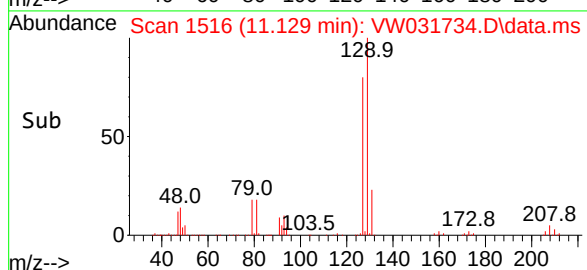
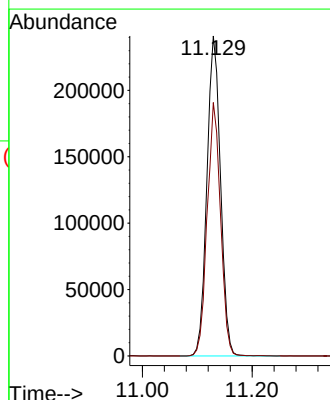
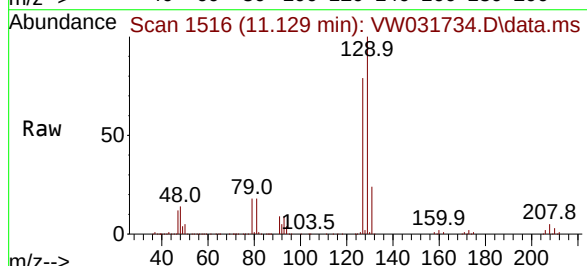
Acq: 30 Jun 2025 12:55

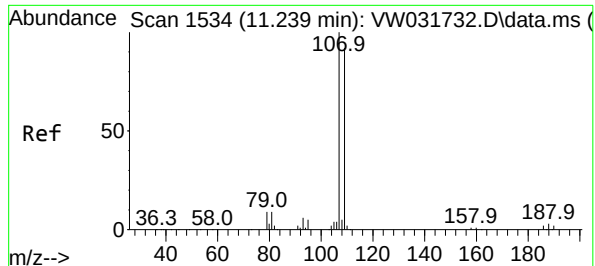
Tgt Ion:129 Resp: 413333

Ion Ratio Lower Upper

129 100

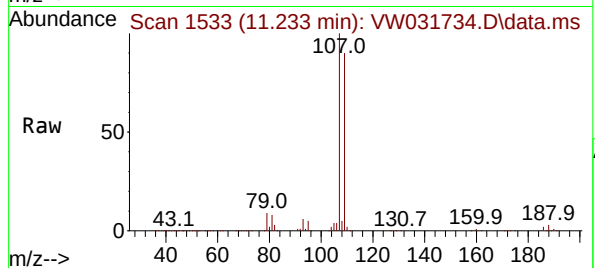
127 77.6 38.0 114.1





#61
1,2-Dibromoethane
Concen: 147.535 ug/l
RT: 11.233 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

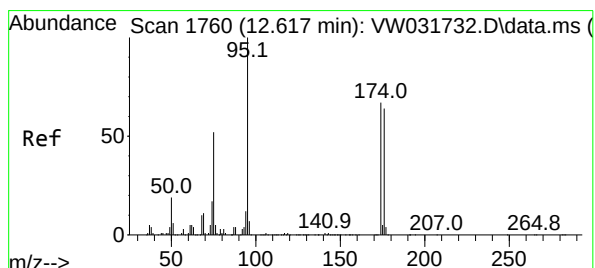
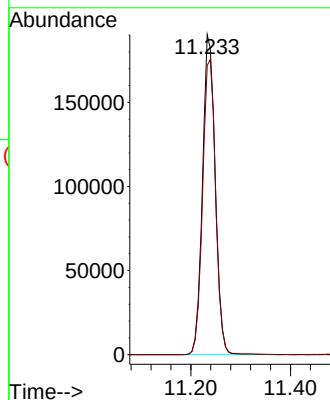
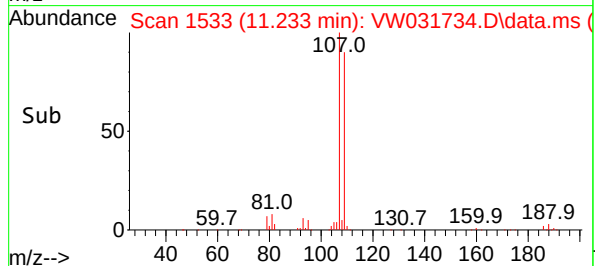
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 33684
Ion Ratio Lower Upper
107 100
109 94.2 73.9 110.9

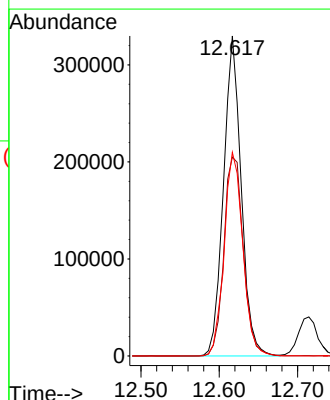
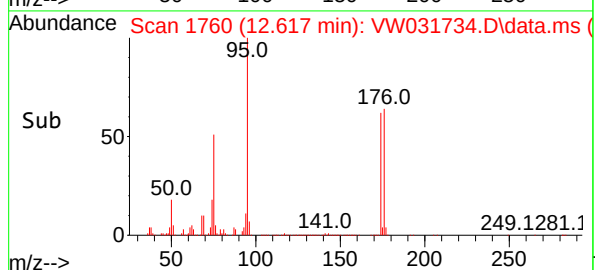
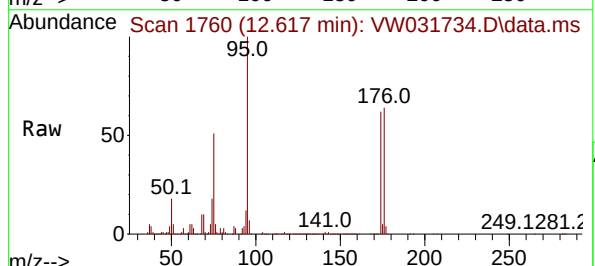
Manual Integrations
APPROVED

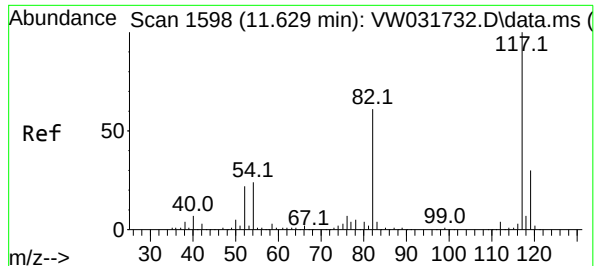
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 145.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 95 Resp: 519559
Ion Ratio Lower Upper
95 100
174 68.3 0.0 133.8
176 67.0 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:117 Resp: 34266

Ion Ratio Lower Upper

117 100

82 62.2 48.6 72.8

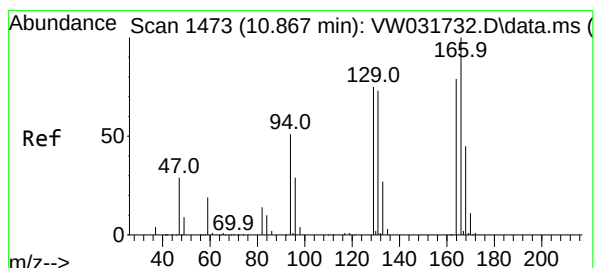
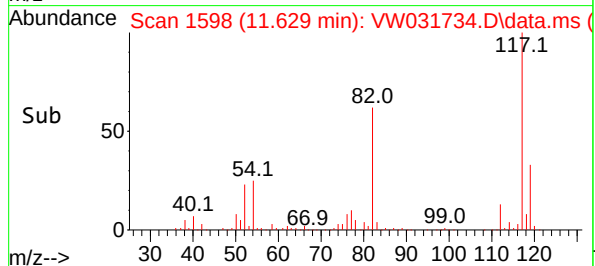
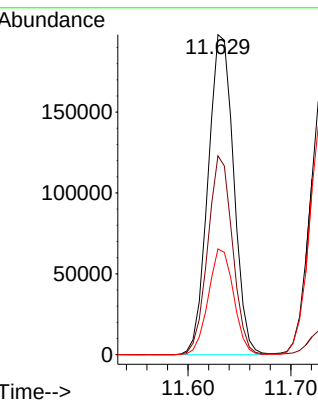
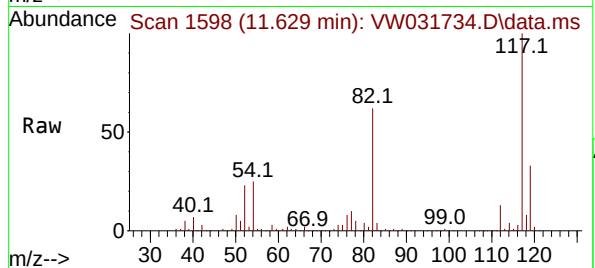
119 33.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 157.549 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Tgt Ion:164 Resp: 353130

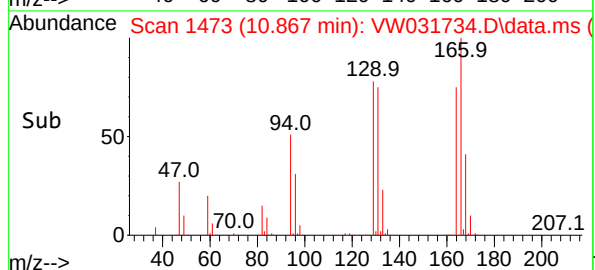
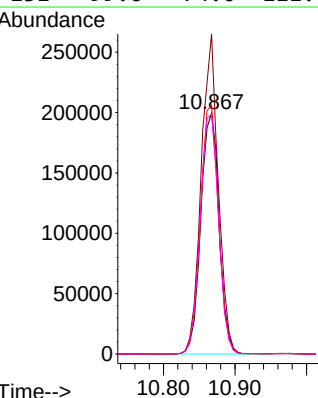
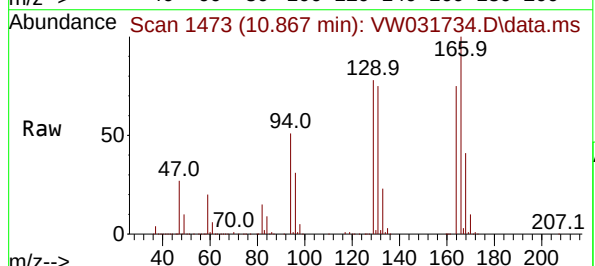
Ion Ratio Lower Upper

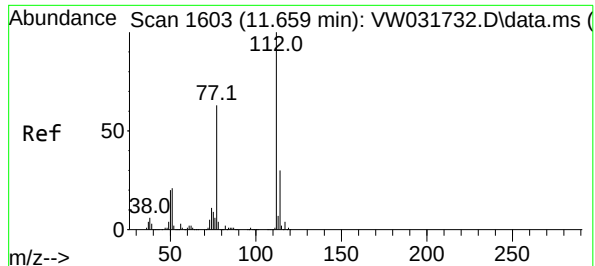
164 100

166 133.0 100.7 151.1

129 103.3 75.4 113.0

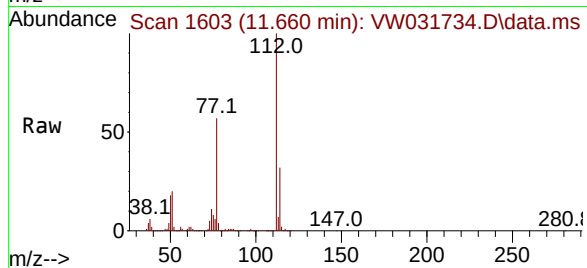
131 99.6 74.0 111.0





#65
Chlorobenzene
Concen: 152.237 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

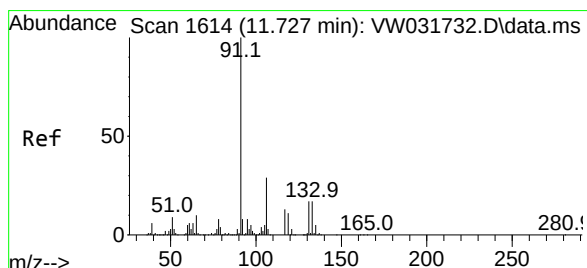
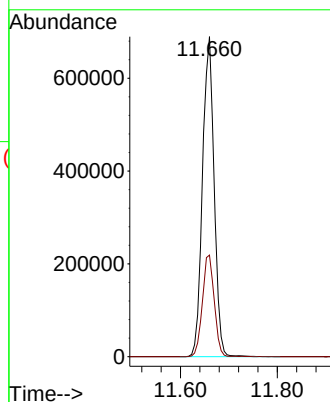
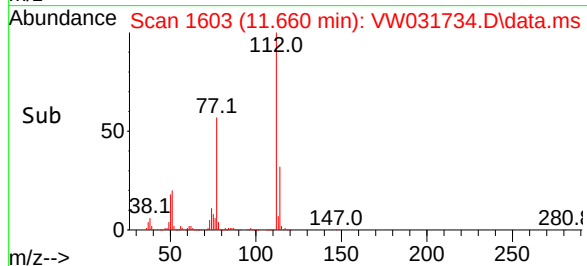
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:112 Resp: 115095
Ion Ratio Lower Upper
112 100
114 31.8 23.8 35.8

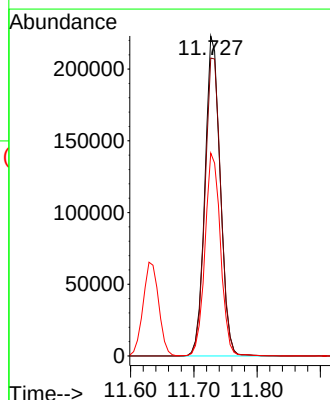
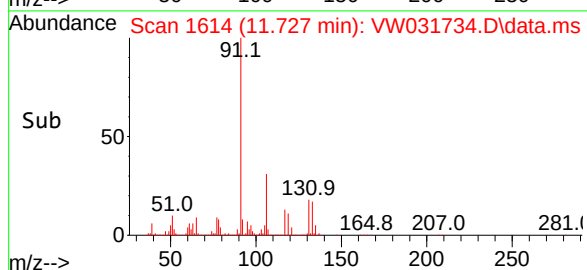
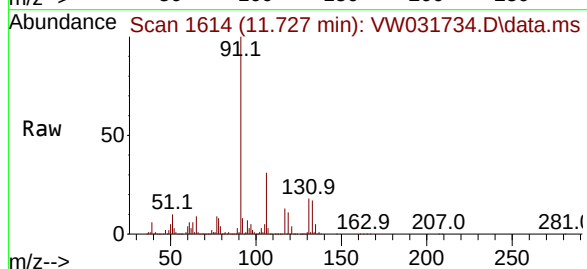
Manual Integrations
APPROVED

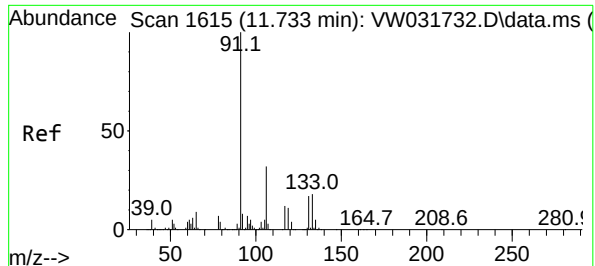
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 155.768 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:131 Resp: 375280
Ion Ratio Lower Upper
131 100
133 96.5 48.5 145.6
119 64.4 32.5 97.5





#67

Ethyl Benzene

Concen: 155.940 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 2044338

Ion Ratio Lower Upper

91 100

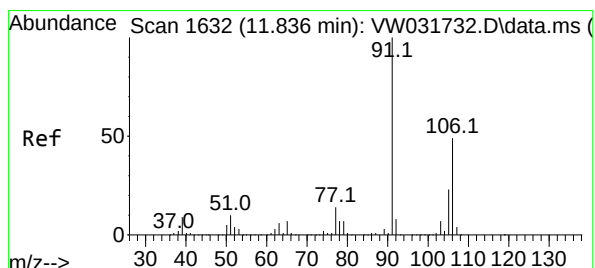
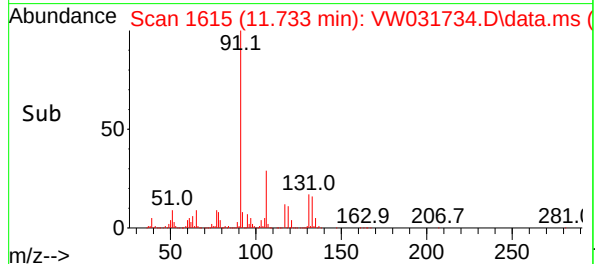
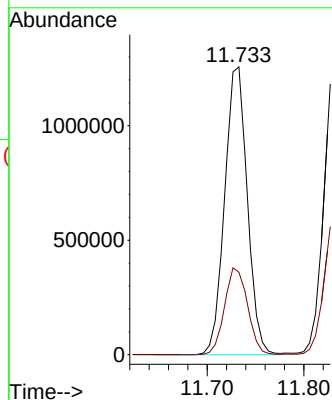
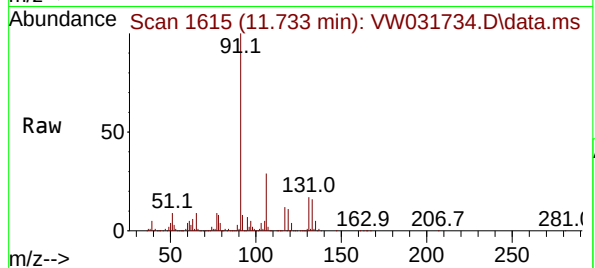
106 28.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 311.770 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031734.D

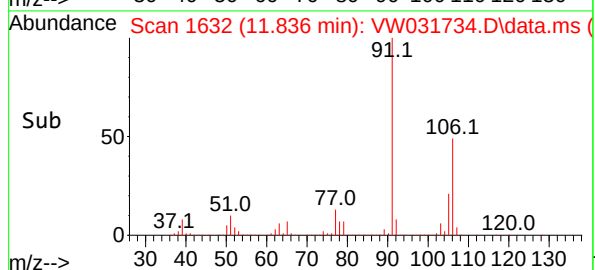
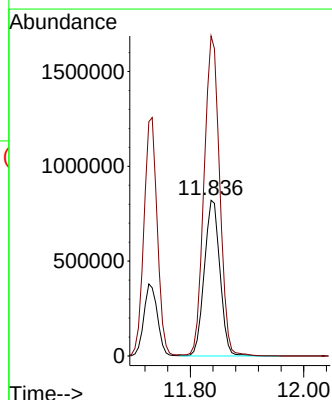
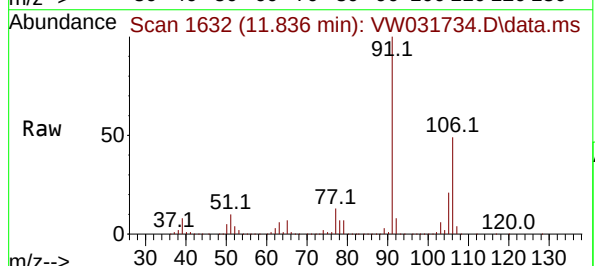
Acq: 30 Jun 2025 12:55

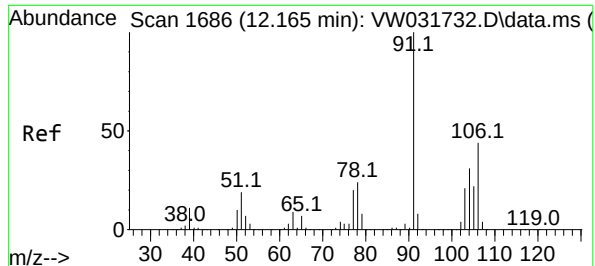
Tgt Ion:106 Resp: 1571204

Ion Ratio Lower Upper

106 100

91 205.1 166.4 249.6





#69

o-Xylene

Concen: 159.389 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 74373

Ion Ratio Lower Upper

106 100

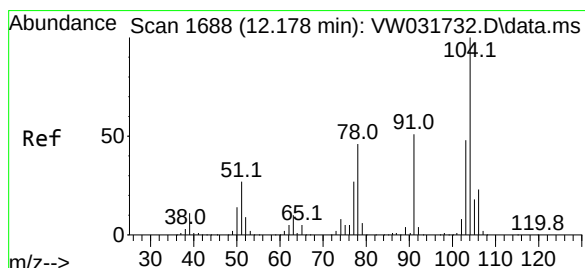
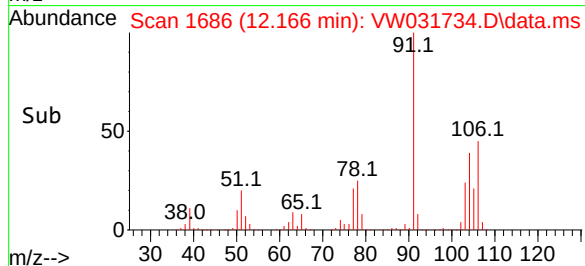
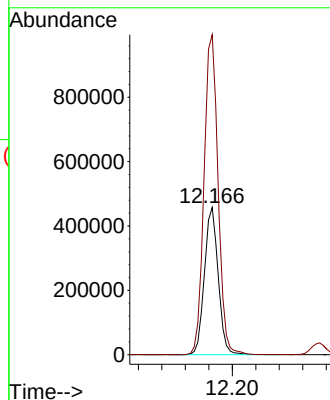
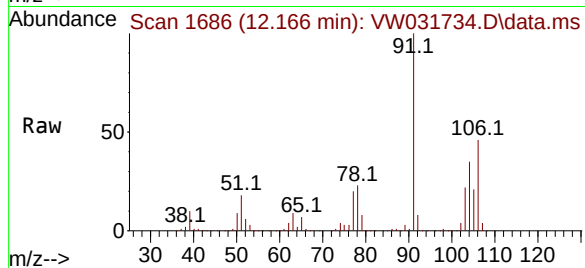
91 221.4 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 157.015 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

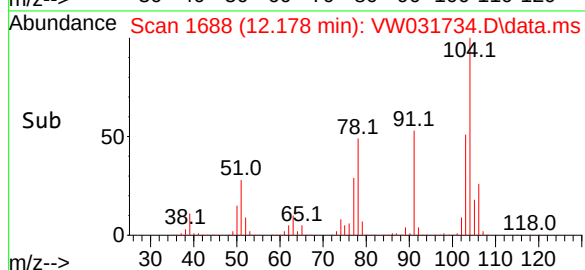
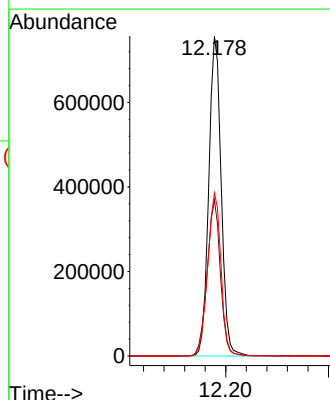
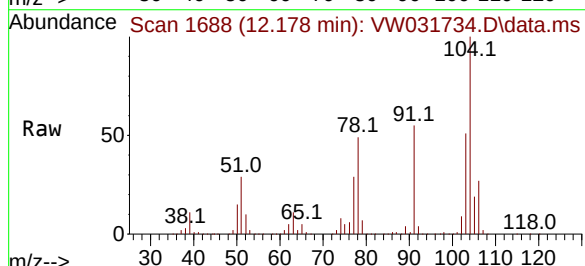
Tgt Ion:104 Resp: 1266593

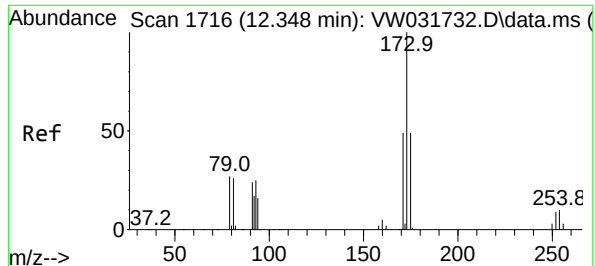
Ion Ratio Lower Upper

104 100

78 52.2 42.1 63.1

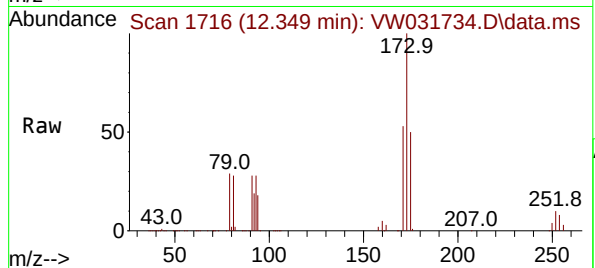
103 55.0 43.0 64.6





#71
Bromoform
Concen: 159.639 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

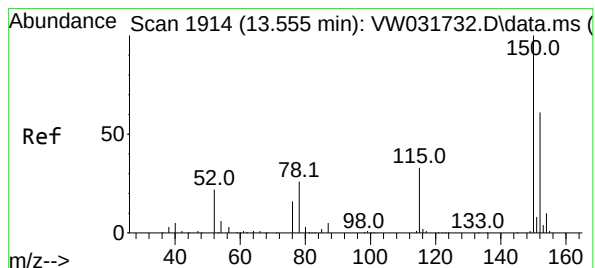
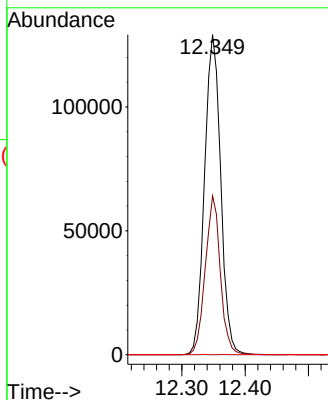
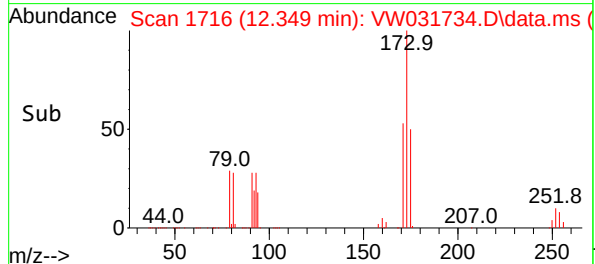
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



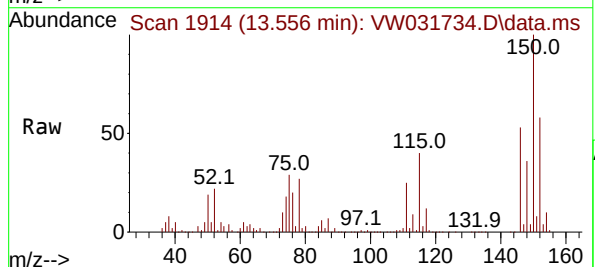
Tgt Ion:173 Resp: 229439
Ion Ratio Lower Upper
173 100
175 46.4 24.0 72.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

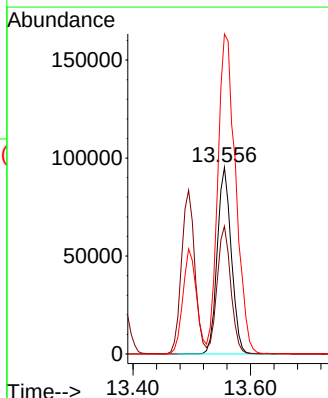
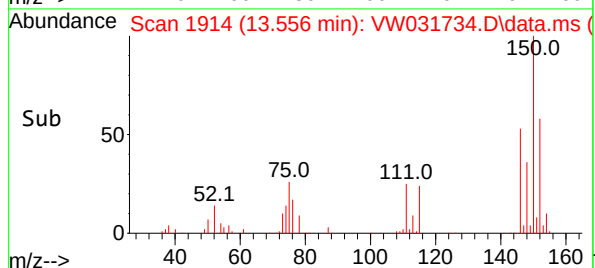
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

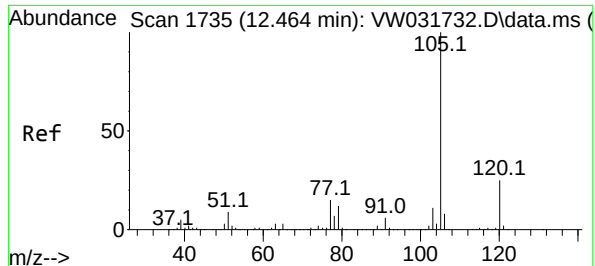


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55



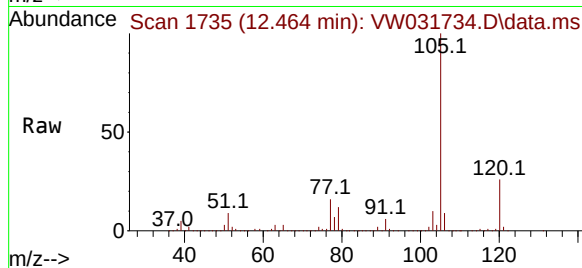
Tgt Ion:152 Resp: 157853
Ion Ratio Lower Upper
152 100
115 66.4 31.9 95.7
150 216.5 0.0 356.4





#73
Isopropylbenzene
Concen: 162.971 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

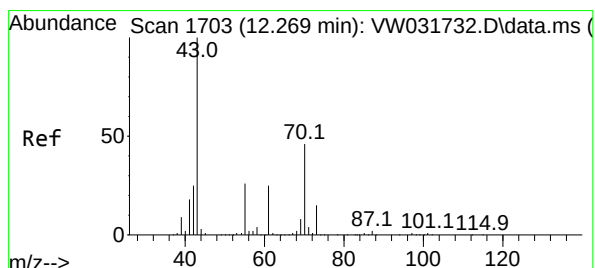
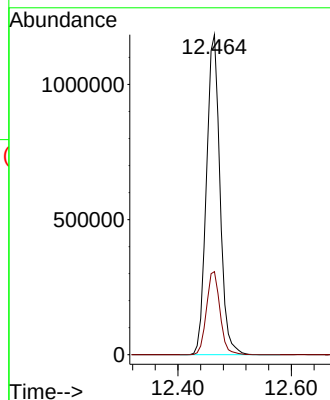
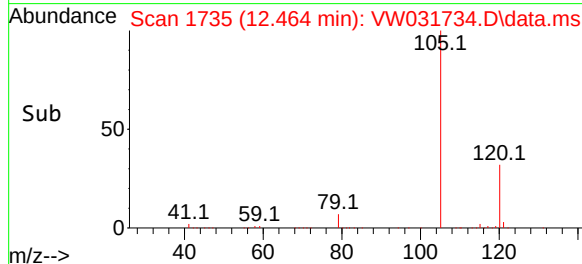
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



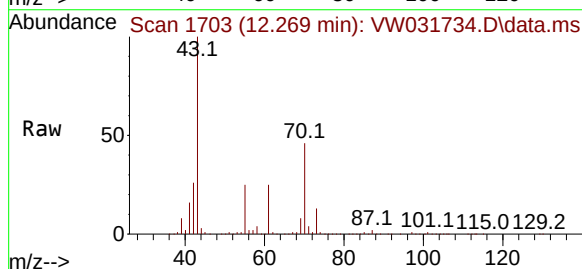
Tgt Ion:105 Resp: 1956819
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

Manual Integrations
APPROVED

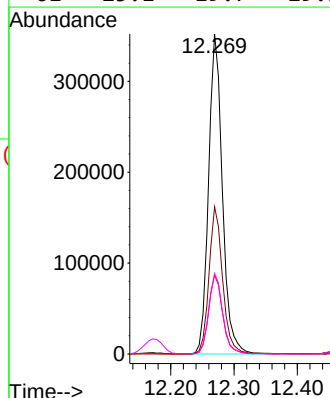
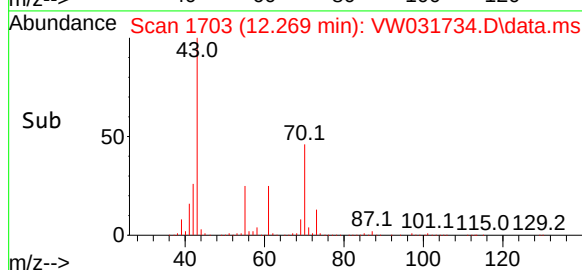
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

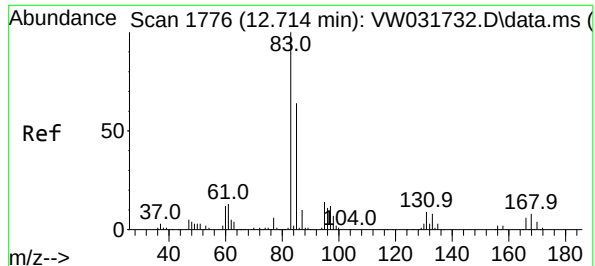


#74
N-ethyl acetate
Concen: 165.571 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55



Tgt Ion: 43 Resp: 535843
Ion Ratio Lower Upper
43 100
70 45.5 36.0 54.0
55 25.2 20.8 31.2
61 25.1 19.7 29.5





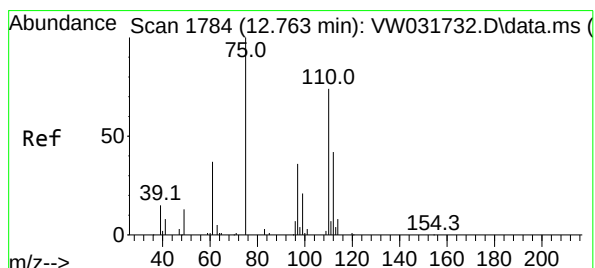
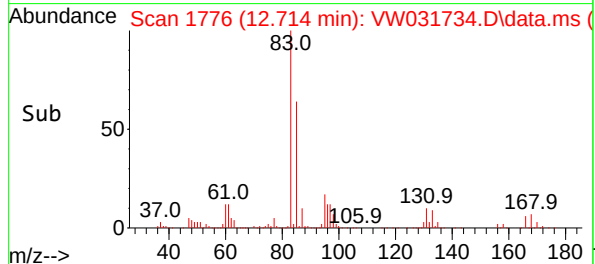
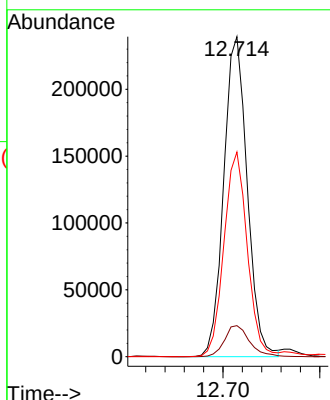
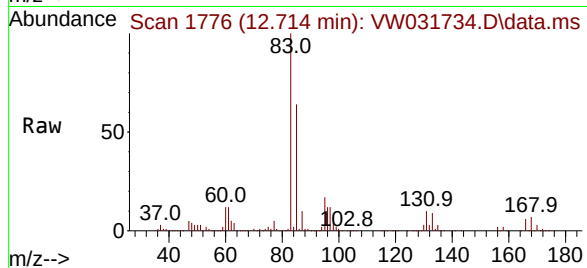
#75
1,1,2,2-Tetrachloroethane
Concen: 151.363 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403490
Ion Ratio Lower Upper
83 100
131 10.4 5.3 16.1
85 63.5 32.0 96.2

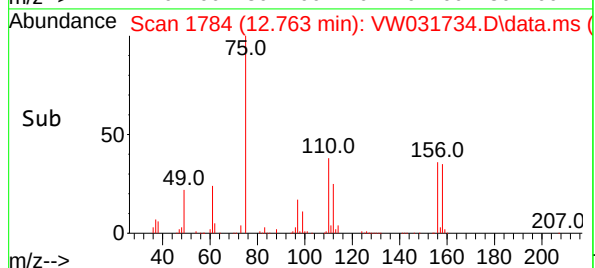
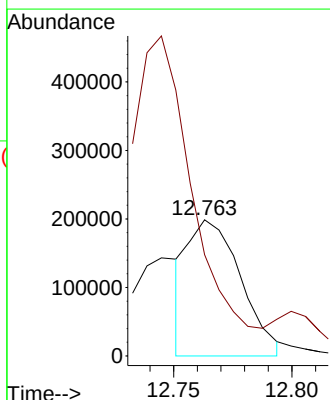
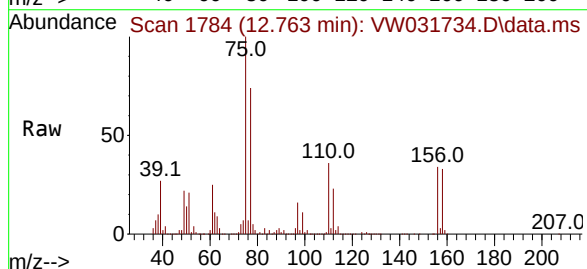
Manual Integrations
APPROVED

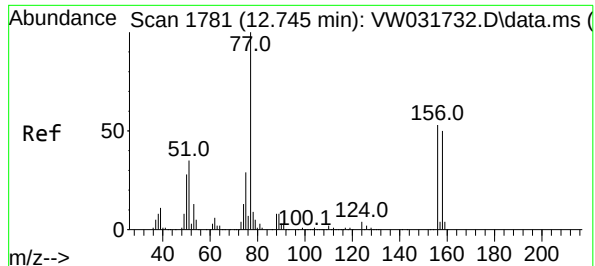
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 151.382 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 308804
Ion Ratio Lower Upper
75 100
77 293.0 141.2 423.6





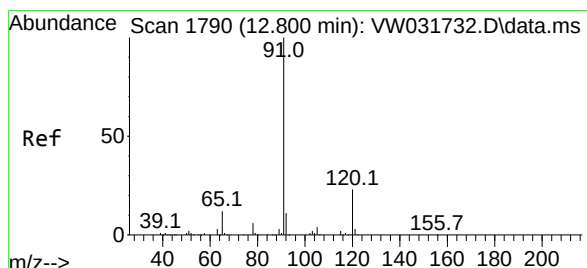
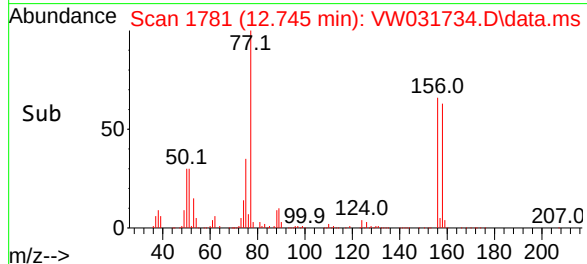
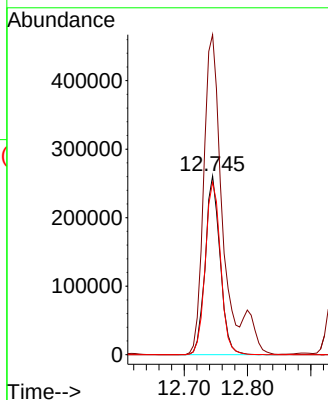
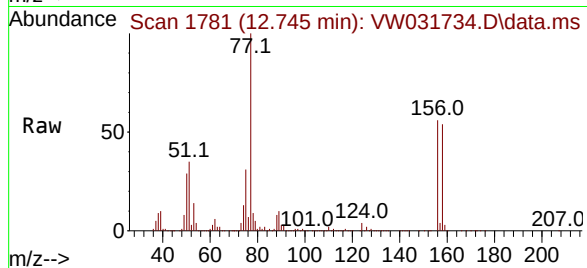
#77
Bromobenzene
Concen: 159.479 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 156 Resp: 427085
Ion Ratio Lower Upper
156 100
77 211.8 117.9 353.7
158 99.2 52.6 157.8

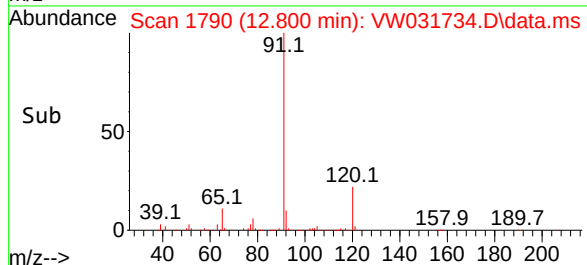
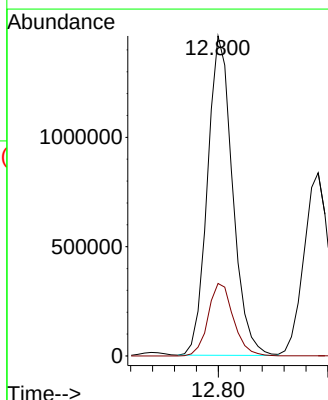
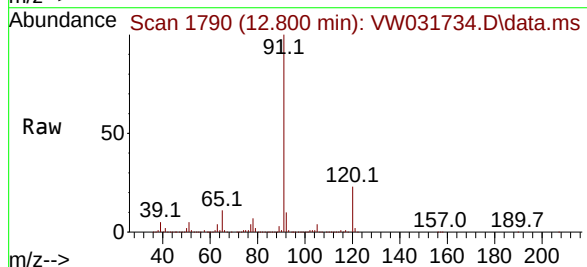
Manual Integrations
APPROVED

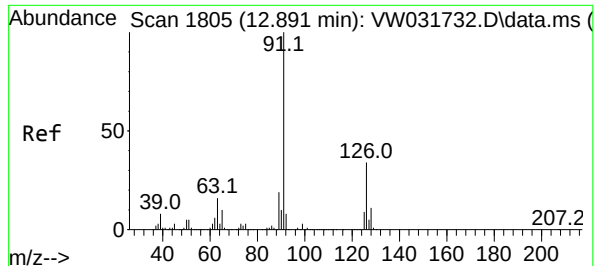
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#78
n-propylbenzene
Concen: 161.670 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 2324539
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 157.800 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 136626

Ion Ratio Lower Upper

91 100

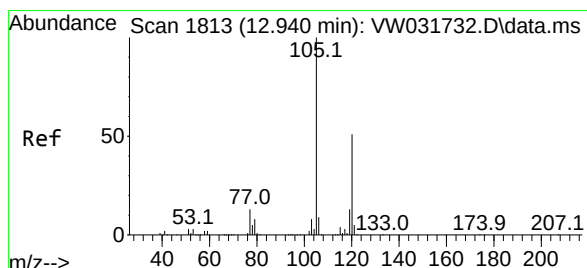
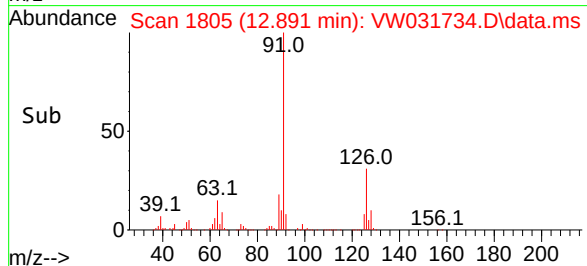
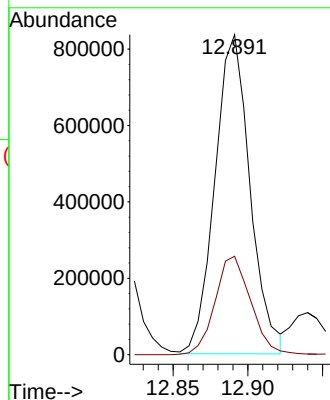
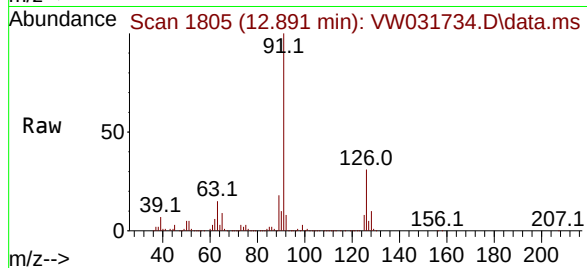
126 31.3 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 160.332 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031734.D

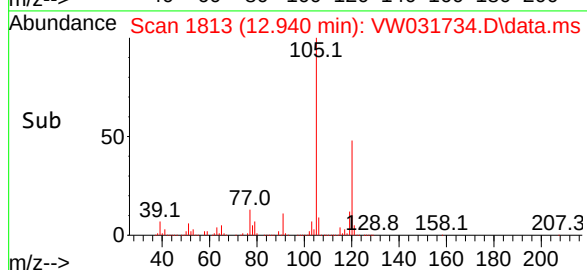
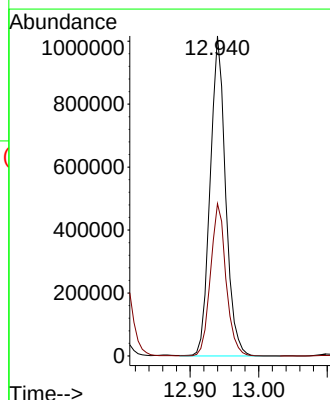
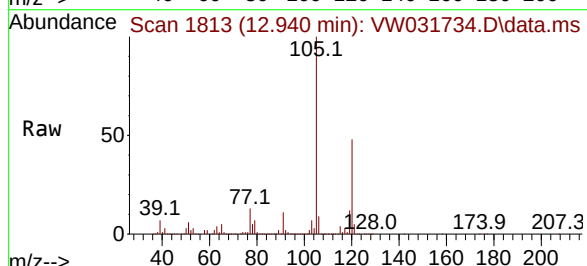
Acq: 30 Jun 2025 12:55

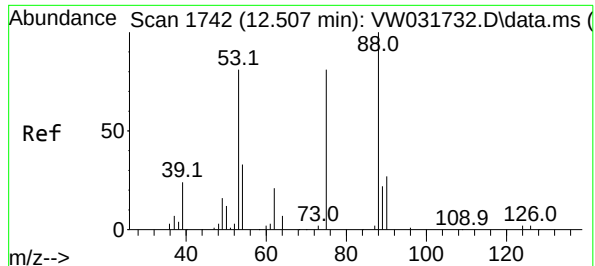
Tgt Ion:105 Resp: 1593533

Ion Ratio Lower Upper

105 100

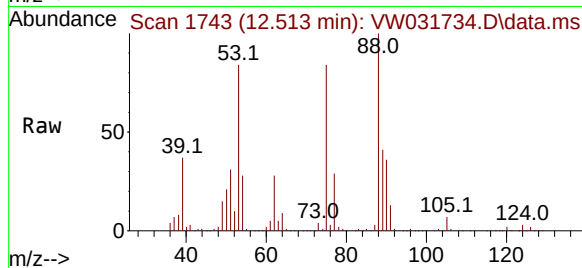
120 47.8 23.8 71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 166.866 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

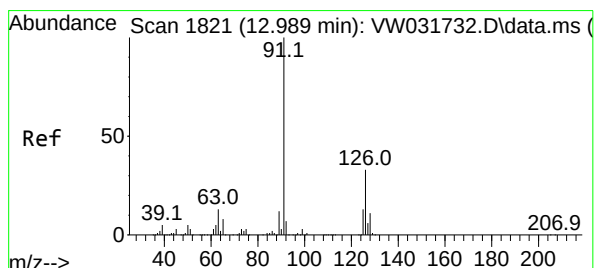
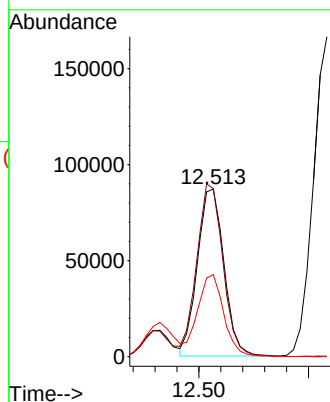
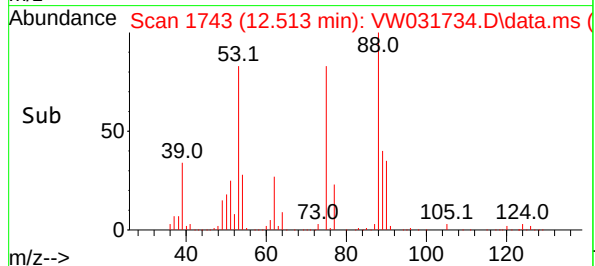
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 14614
Ion Ratio Lower Upper
75 100
53 102.5 83.5 125.3
89 48.9 38.3 57.5

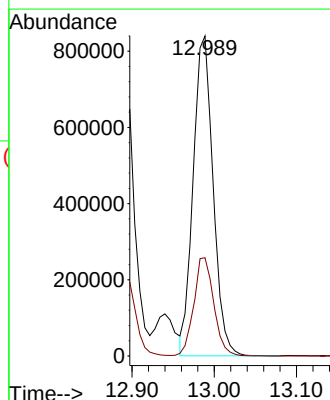
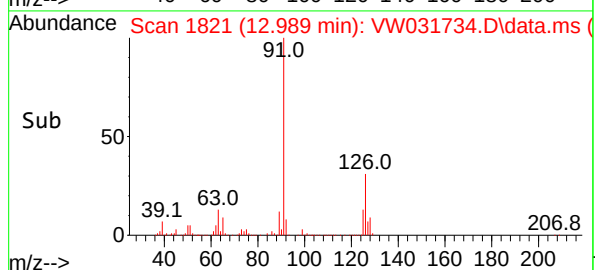
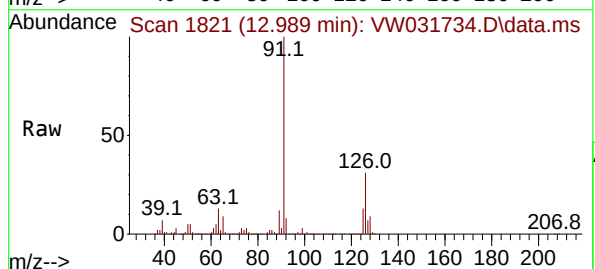
Manual Integrations
APPROVED

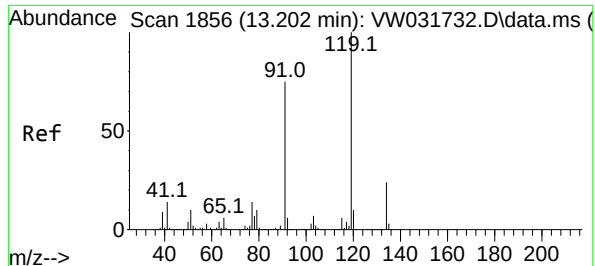
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 155.153 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 1410360
Ion Ratio Lower Upper
91 100
126 30.9 16.0 47.9





#83

tert-Butylbenzene

Concen: 166.594 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:119 Resp: 141831

Ion Ratio Lower Upper

119 100

91 68.0 36.0 108.1

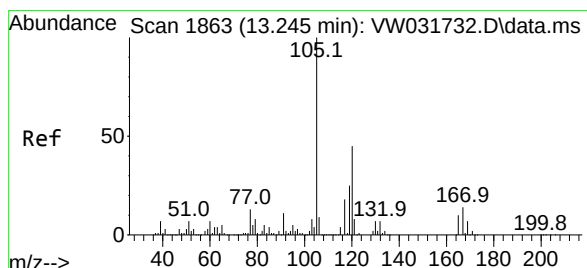
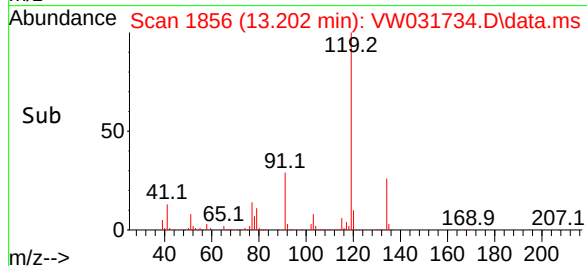
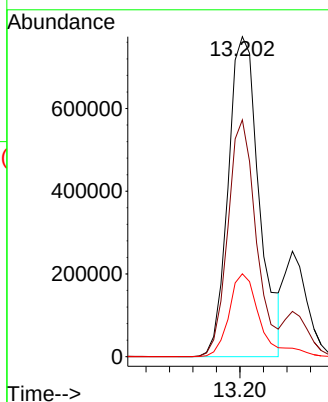
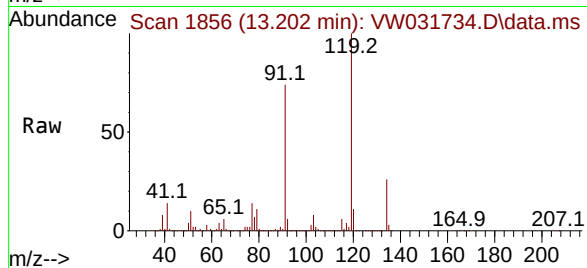
134 26.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 159.853 ug/l

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031734.D

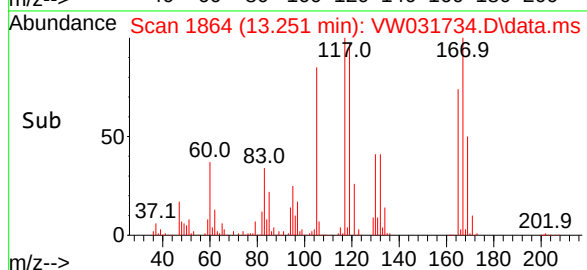
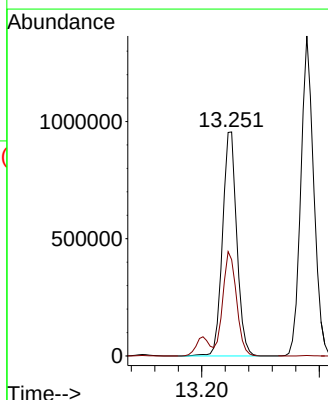
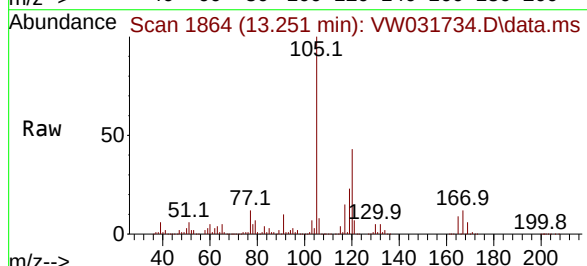
Acq: 30 Jun 2025 12:55

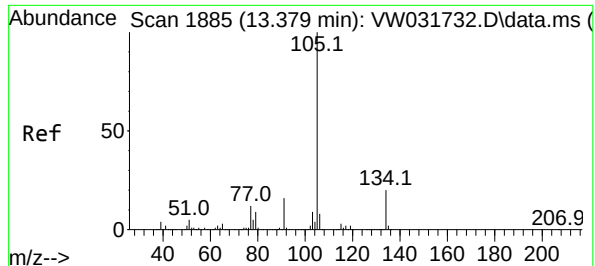
Tgt Ion:105 Resp: 1609766

Ion Ratio Lower Upper

105 100

120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 162.545 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 2077110

Ion Ratio Lower Upper

105 100

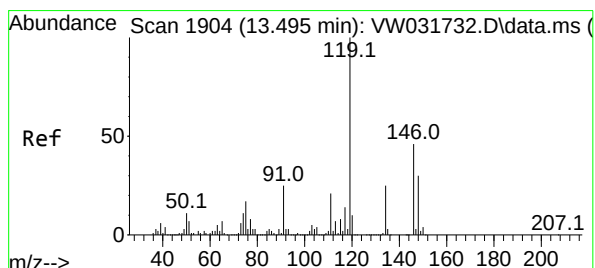
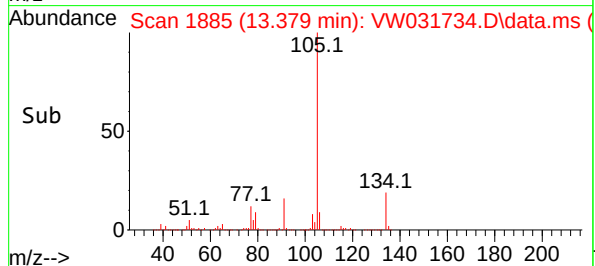
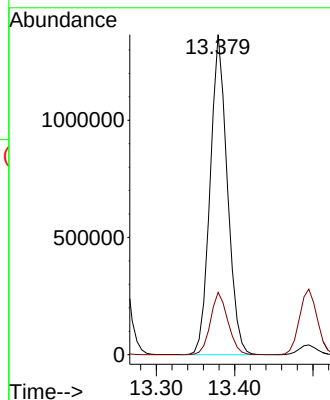
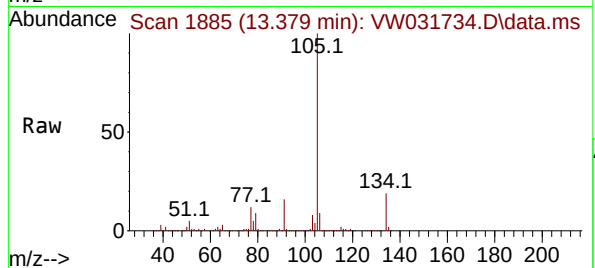
134 19.7 9.6 28.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#86

p-Isopropyltoluene

Concen: 163.804 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

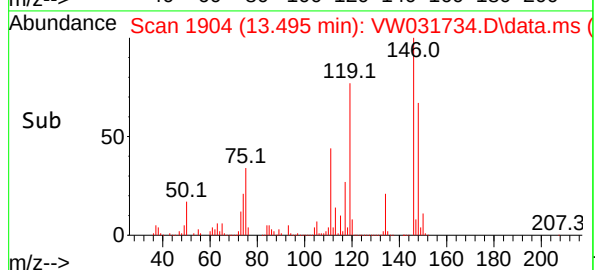
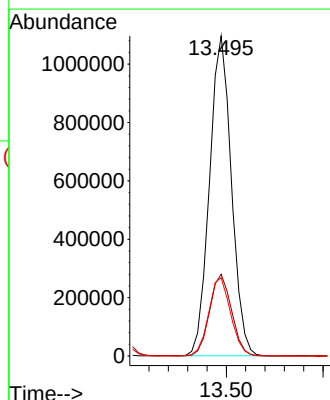
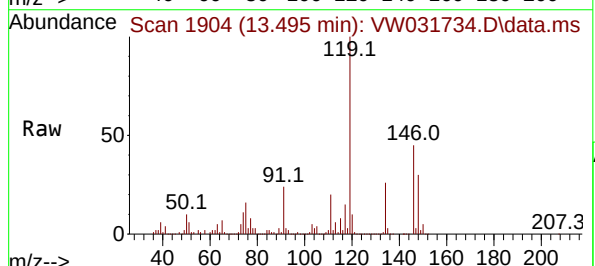
Tgt Ion:119 Resp: 1725089

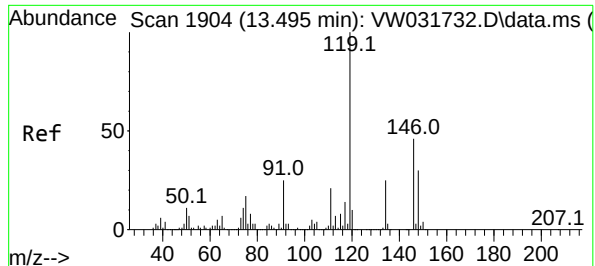
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.5 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 151.913 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 81586

Ion Ratio Lower Upper

146 100

111 44.0 22.3 66.9

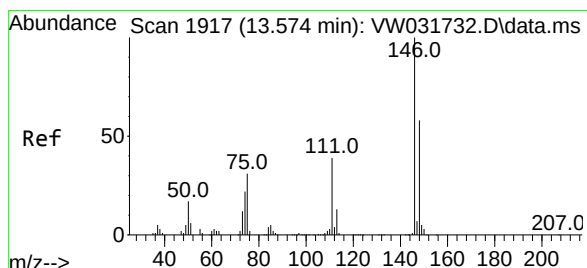
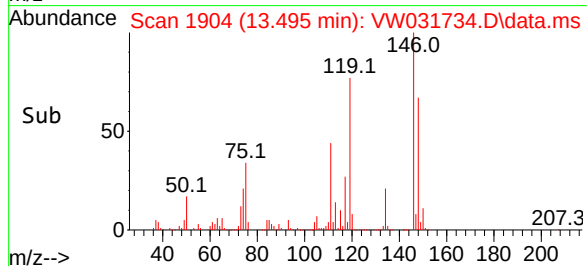
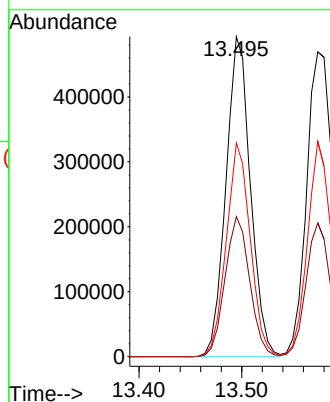
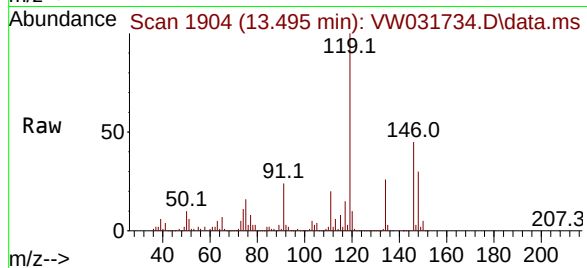
148 65.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

Concen: 150.344 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

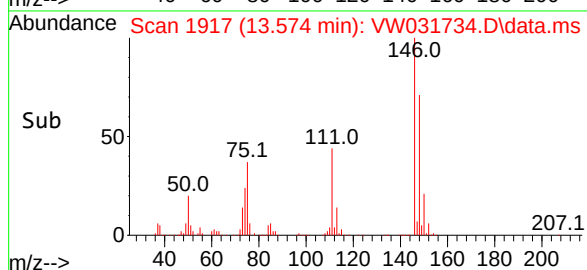
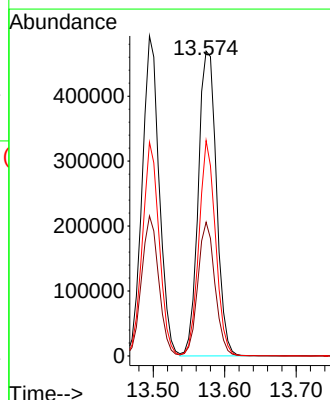
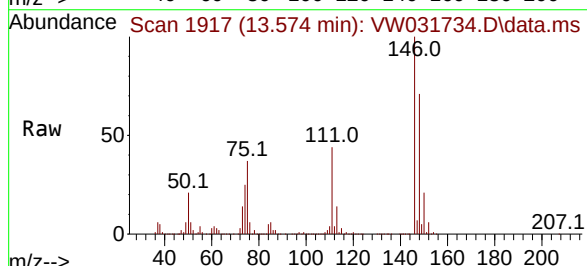
Tgt Ion:146 Resp: 826448

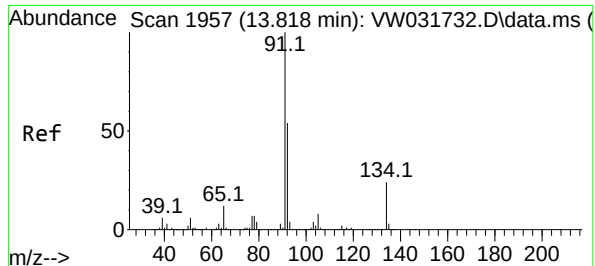
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 64.6 30.2 90.6





#89

n-Butylbenzene

Concen: 162.473 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 166248

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.5

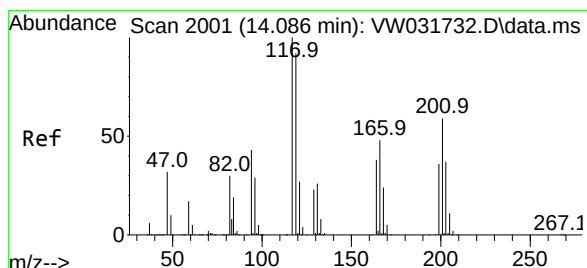
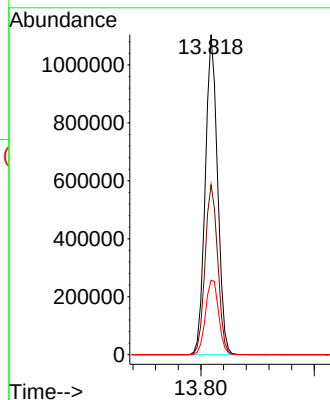
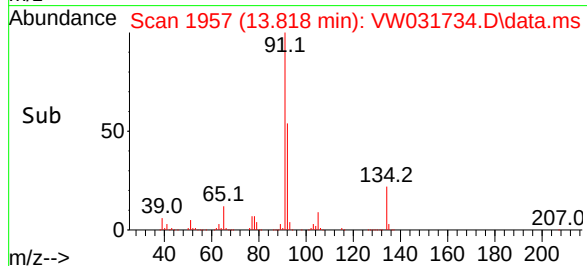
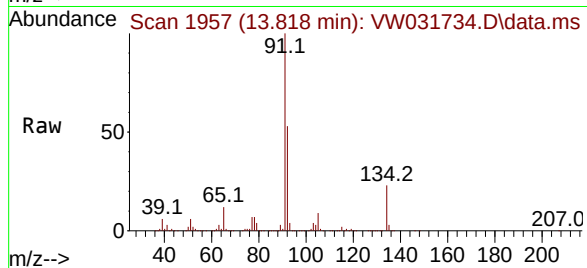
134 24.8 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 168.248 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW031734.D

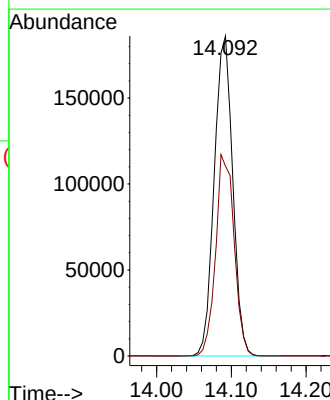
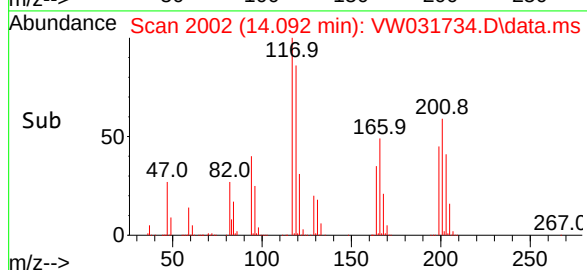
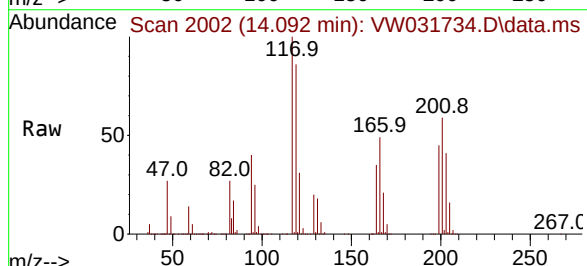
Acq: 30 Jun 2025 12:55

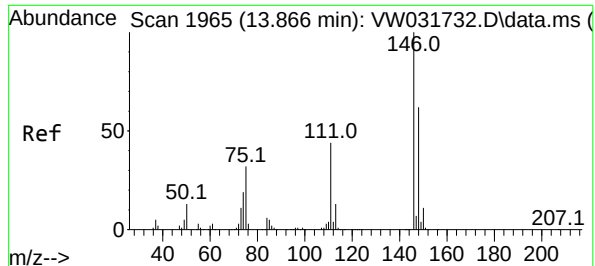
Tgt Ion:117 Resp: 319664

Ion Ratio Lower Upper

117 100

201 63.1 31.1 93.3





#91

1,2-Dichlorobenzene

Concen: 150.818 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 740320

Ion Ratio Lower Upper

146 100

111 45.6 21.7 65.1

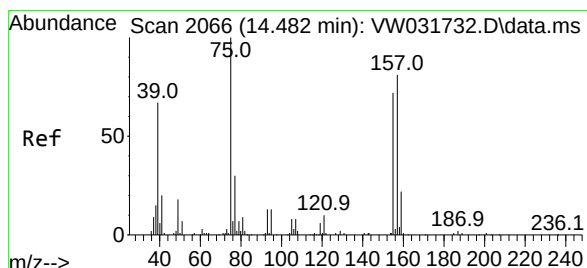
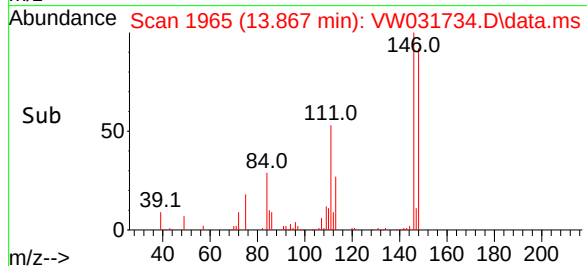
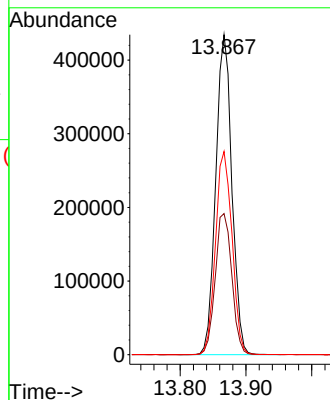
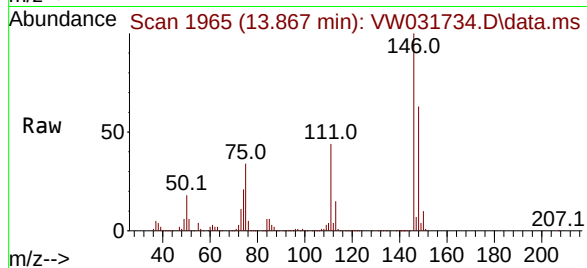
148 65.1 29.8 89.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 158.471 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

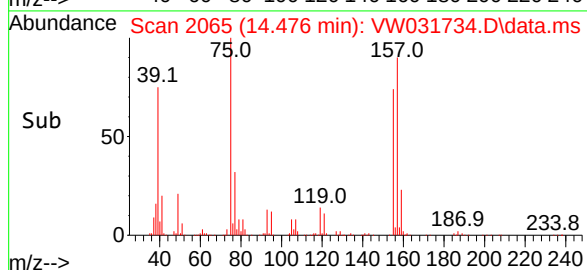
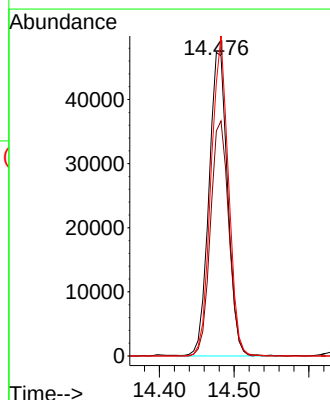
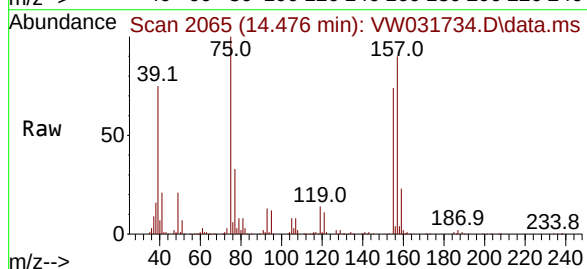
Tgt Ion: 75 Resp: 82484

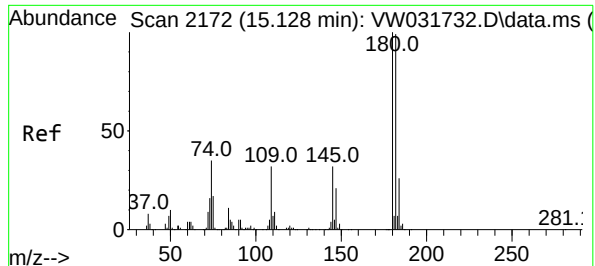
Ion Ratio Lower Upper

75 100

155 75.6 37.2 111.6

157 97.6 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 160.827 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 48686

Ion Ratio Lower Upper

180 100

182 94.0 48.6 145.9

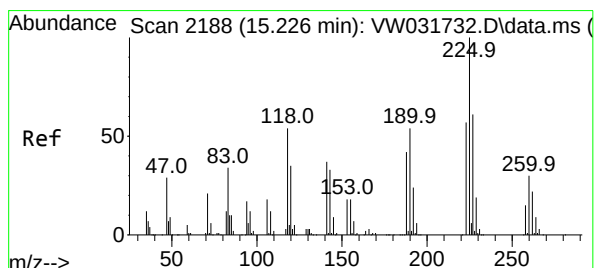
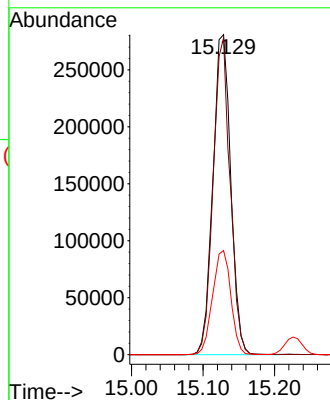
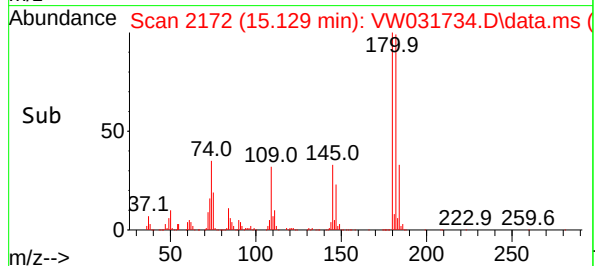
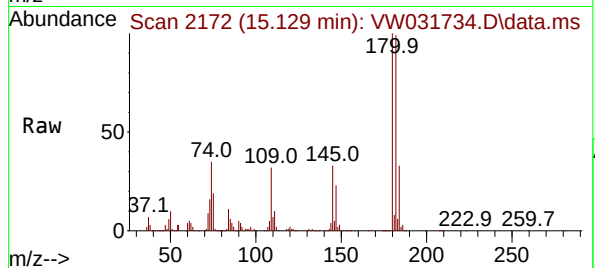
145 33.5 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 158.470 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031734.D

Acq: 30 Jun 2025 12:55

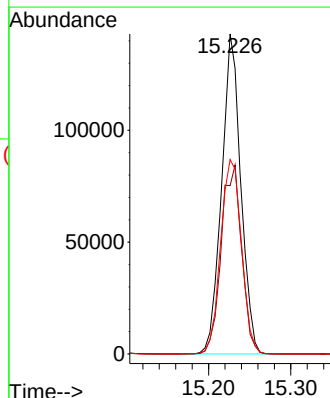
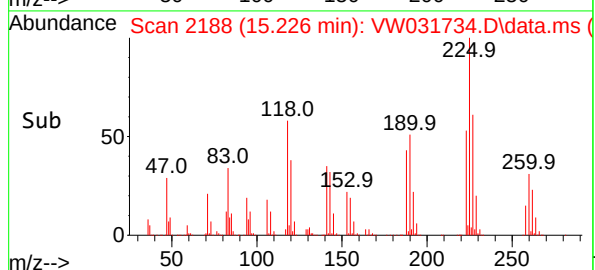
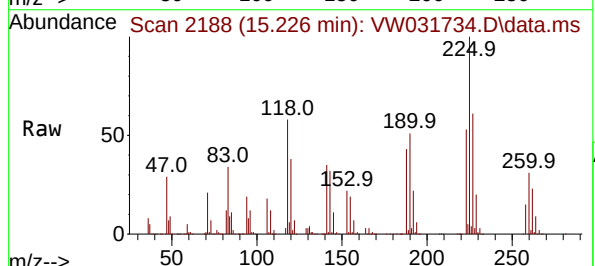
Tgt Ion:225 Resp: 231652

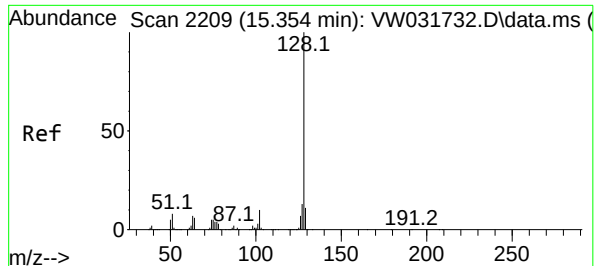
Ion Ratio Lower Upper

225 100

223 62.8 32.6 97.8

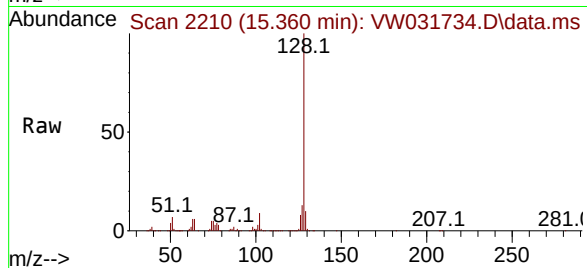
227 66.1 37.3 111.8





#95
Naphthalene
Concen: 169.258 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

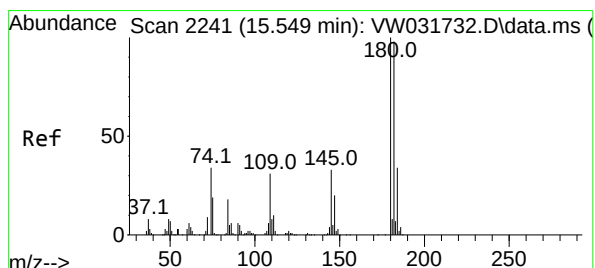
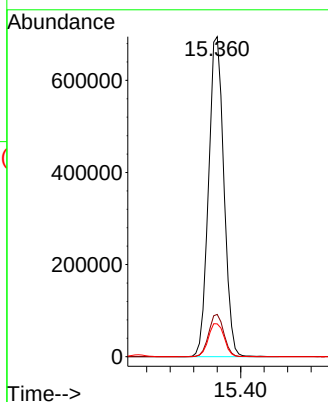
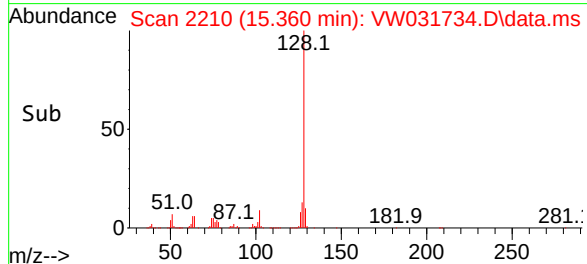
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150



Tgt Ion:128 Resp: 1256199
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.7 8.7 13.1

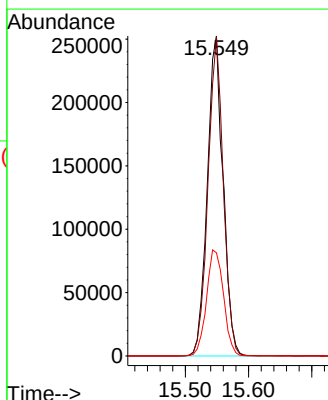
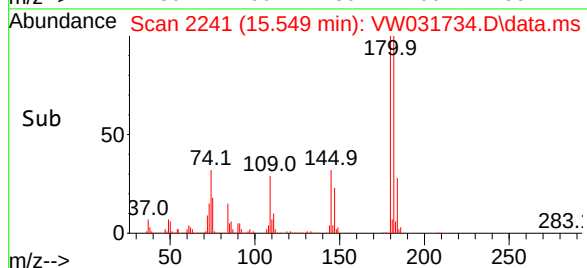
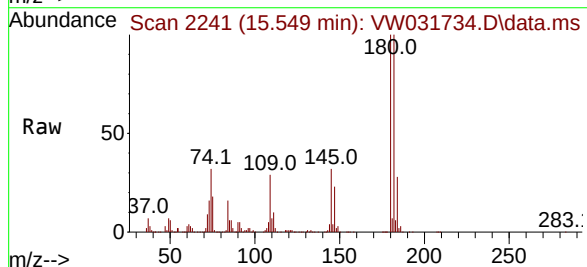
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.584 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:180 Resp: 438342
Ion Ratio Lower Upper
180 100
182 97.0 46.4 139.1
145 35.8 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/01/2025
 Supervised By : Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.840%		
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.220%		
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

ICVWVW063025

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 03:35:17 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l	97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l	99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l	99
44) Trichloroethene	9.099	130	147985	52.391	ug/l	99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l	95
46) Dibromomethane	9.465	93	92714	52.504	ug/l	98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l	99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l	94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l #	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l	100
52) Toluene	10.392	92	394923	54.503	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l	96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l	98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l	98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l	97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l	100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l	98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l	96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l	95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l	94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l	99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l	98
69) o-Xylene	12.166	106	274498	57.208	ug/l	98
70) Styrene	12.178	104	469288	56.574	ug/l	99
71) Bromoform	12.348	173	86209	58.331	ug/l	99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l	99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	118399m	53.142	ug/l	
77) Bromobenzene	12.745	156	164306	56.175	ug/l	85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l	100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l	97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l	99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l	99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l	100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l	97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l	100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l	99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l	97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l	91
95) Naphthalene	15.354	128	461350	56.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

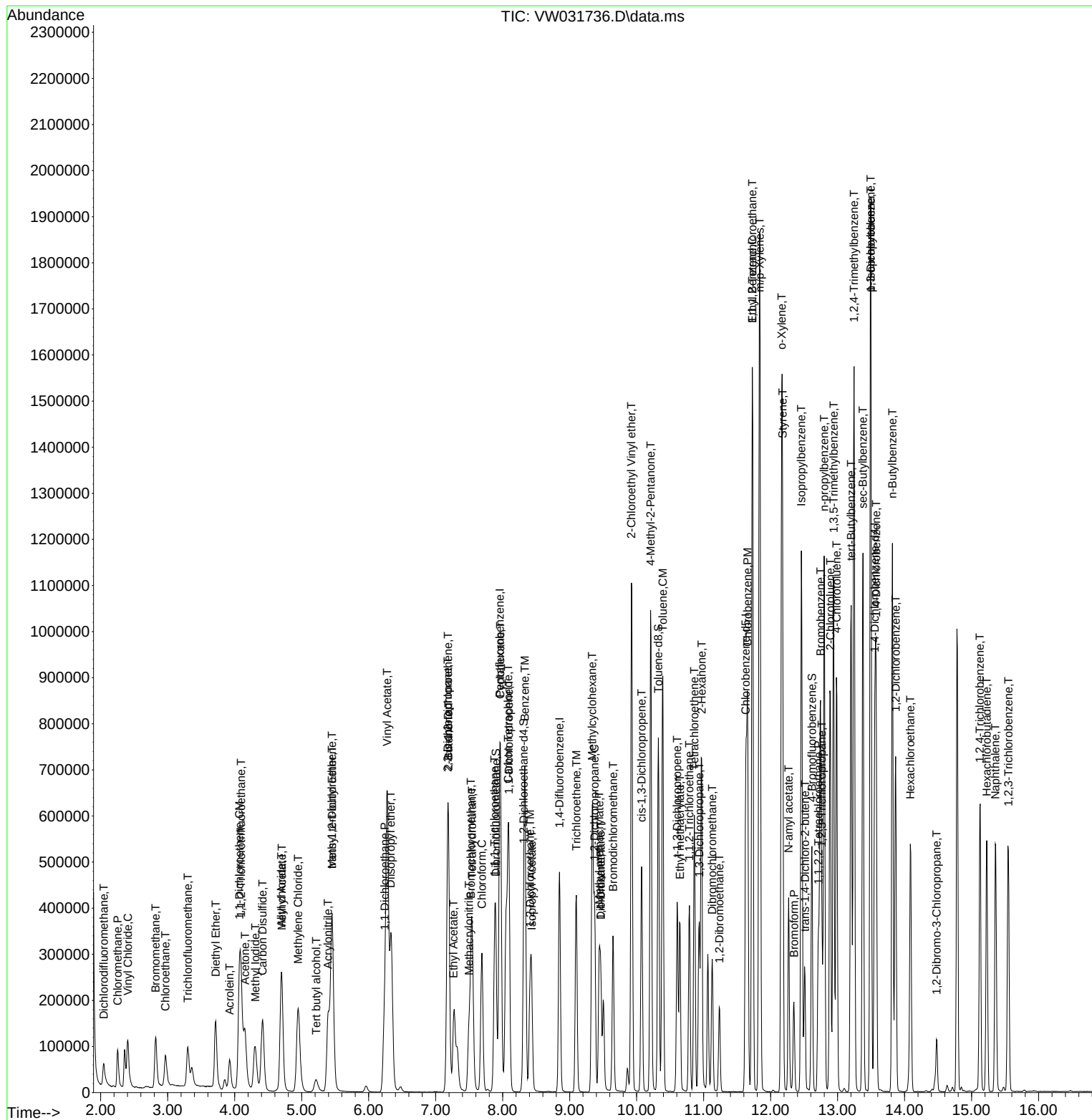
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

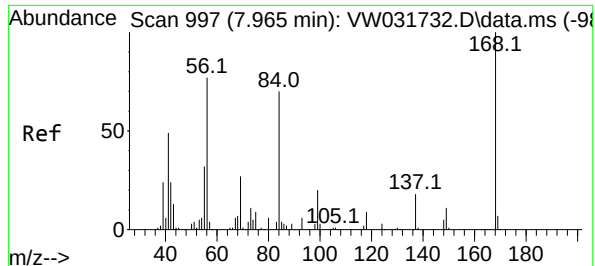
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

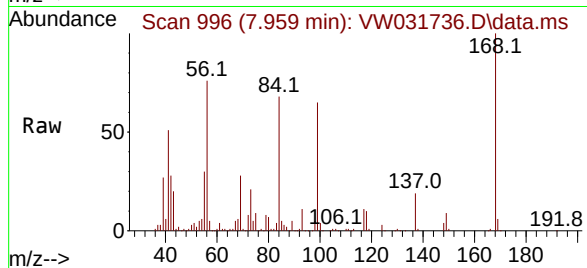
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

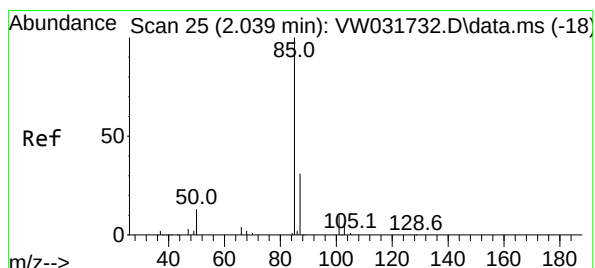
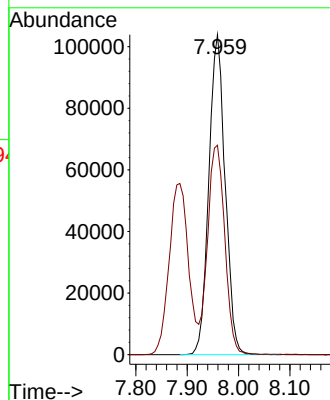
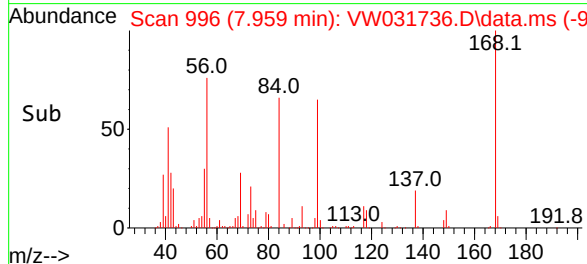
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion:168 Resp: 22866
Ion Ratio Lower Upper
168 100
99 65.3 49.4 74.2

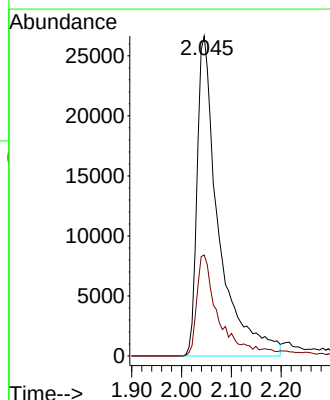
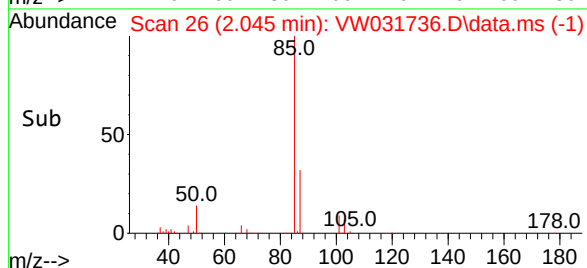
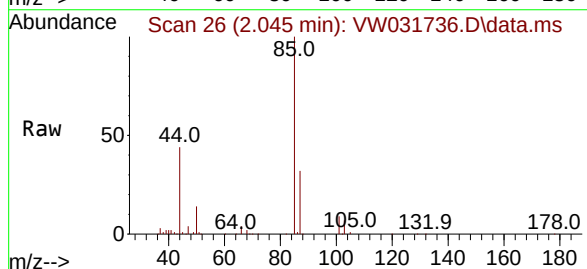
Manual Integrations
APPROVED

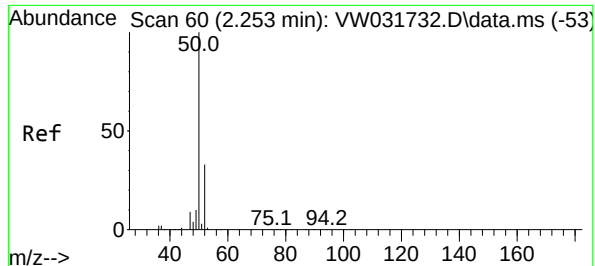
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#2
Dichlorodifluoromethane
Concen: 51.196 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

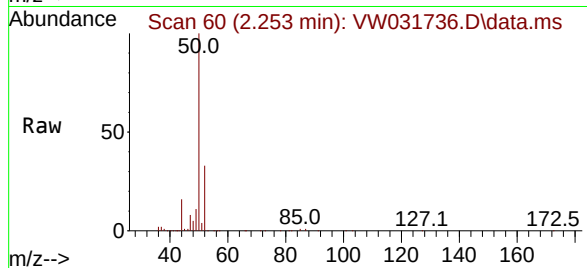
Tgt Ion: 85 Resp: 79725
Ion Ratio Lower Upper
85 100
87 31.6 15.4 46.2





#3
Chloromethane
Concen: 51.243 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

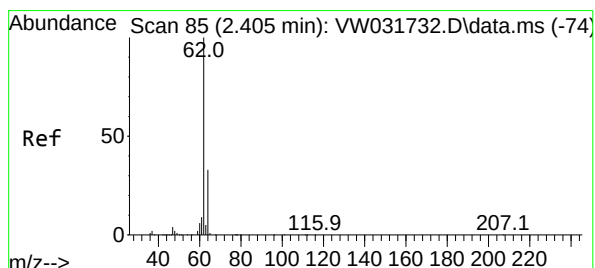
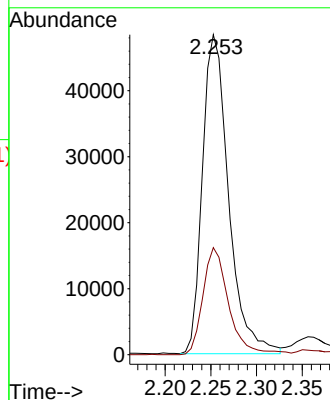
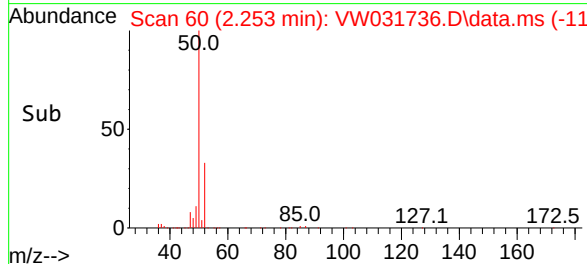
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion: 50 Resp: 96200
Ion Ratio Lower Upper
50 100
52 33.6 26.2 39.2

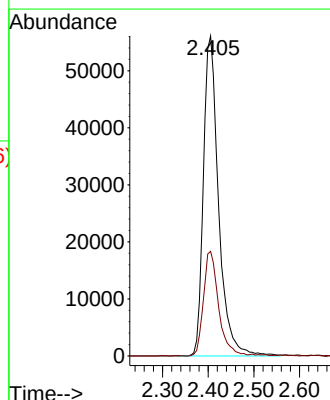
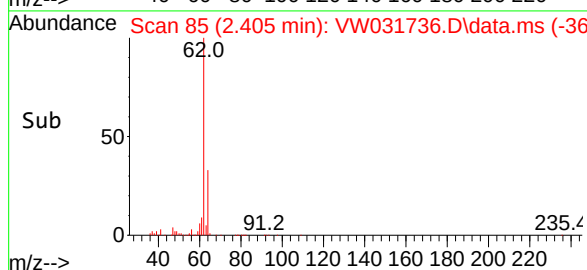
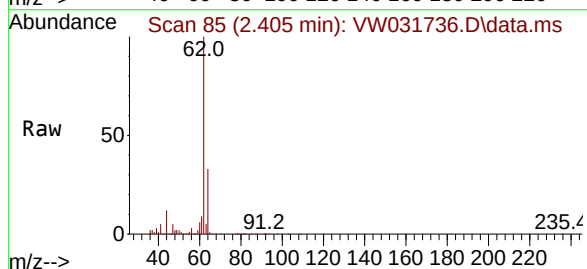
Manual Integrations
APPROVED

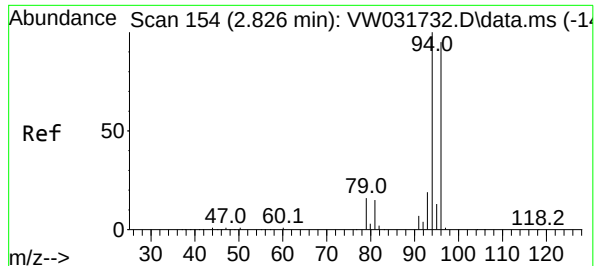
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#4
Vinyl Chloride
Concen: 52.290 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 129034
Ion Ratio Lower Upper
62 100
64 32.6 26.8 40.2





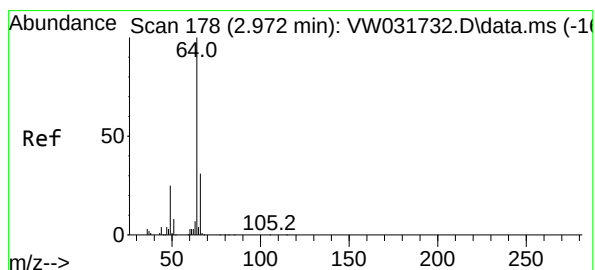
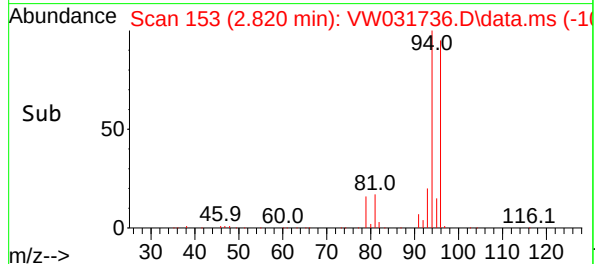
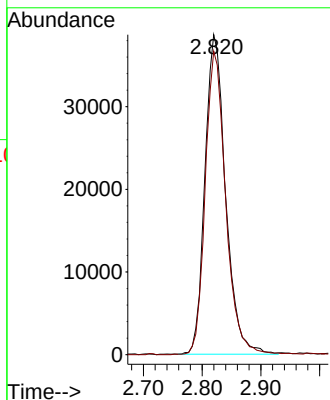
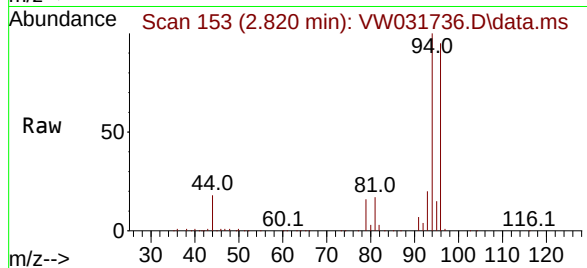
#5
Bromomethane
Concen: 49.075 ug/l
RT: 2.820 min Scan# 154
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion: 94 Resp: 94589
Ion Ratio Lower Upper
94 100
96 94.8 75.6 113.4

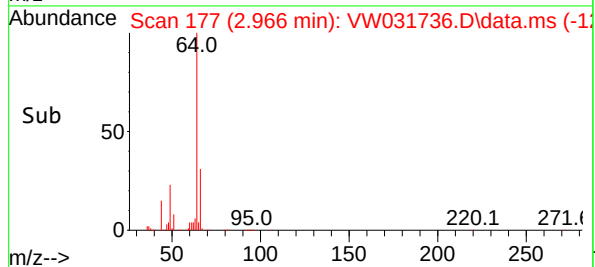
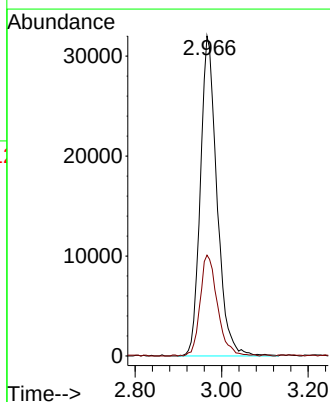
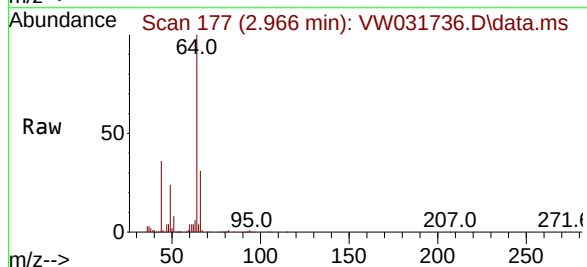
Manual Integrations
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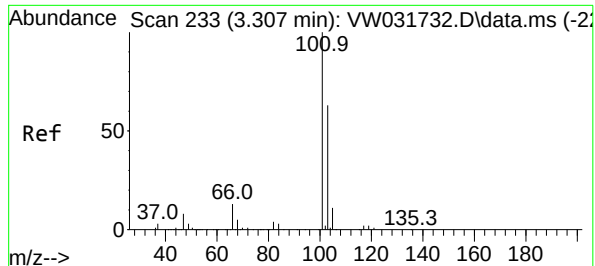
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#6
Chloroethane
Concen: 50.785 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 64 Resp: 85126
Ion Ratio Lower Upper
64 100
66 31.5 24.5 36.7





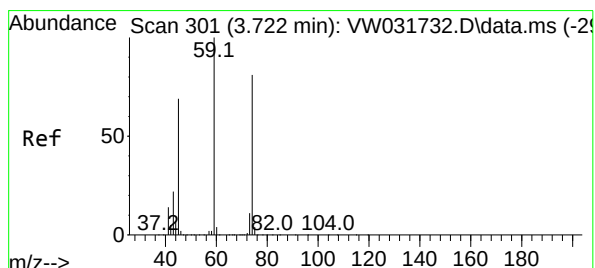
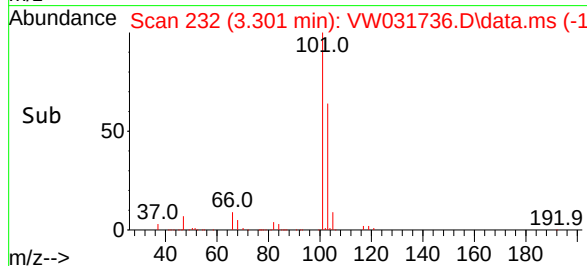
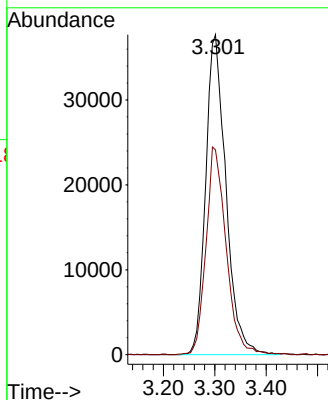
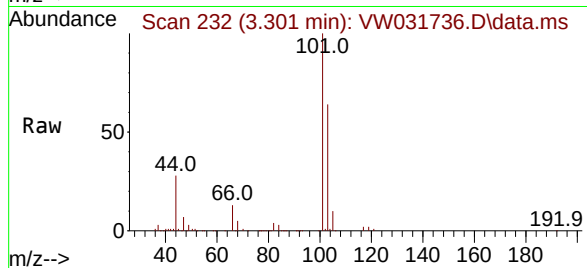
#7
Trichlorofluoromethane
Concen: 45.877 ug/l
RT: 3.301 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:101 Resp: 10281
Ion Ratio Lower Upper
101 100
103 63.9 50.2 75.4

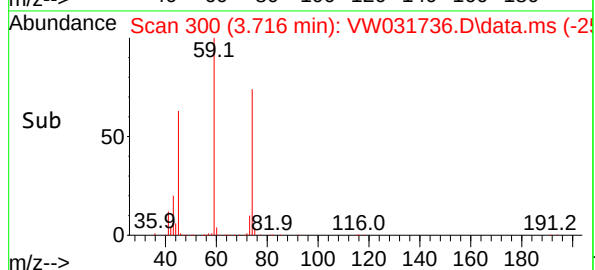
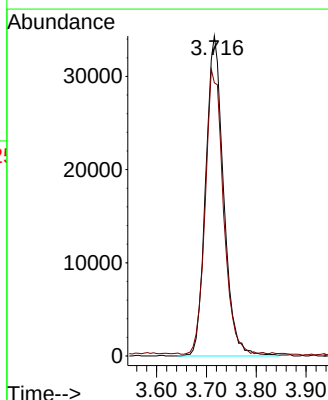
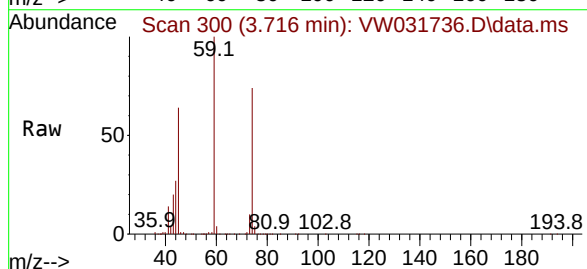
Manual Integrations
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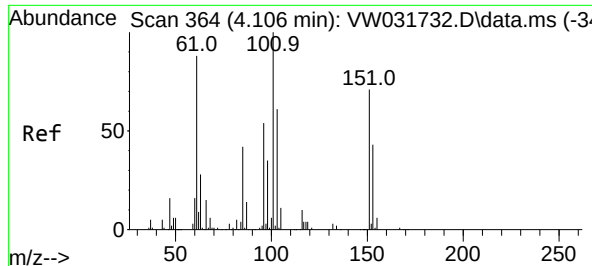
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#8
Diethyl Ether
Concen: 50.236 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 74 Resp: 85549
Ion Ratio Lower Upper
74 100
45 90.5 43.9 131.7





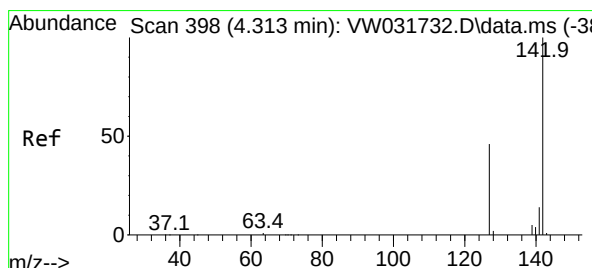
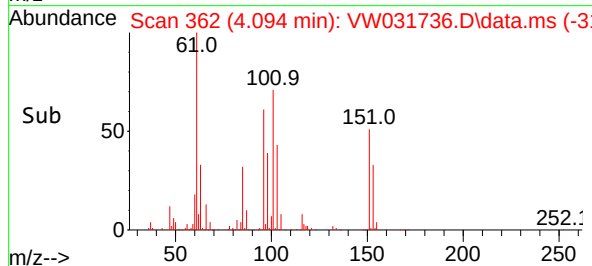
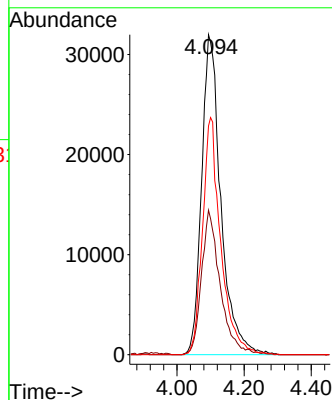
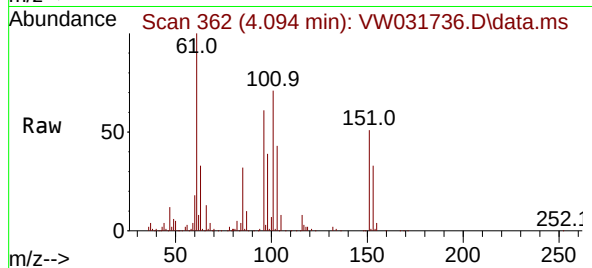
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.130 ug/l
RT: 4.094 min Scan# 301
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:101 Resp: 127184
Ion Ratio Lower Upper
101 100
85 43.8 35.6 53.4
151 70.3 56.8 85.2

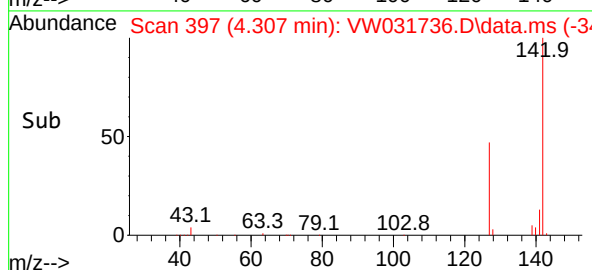
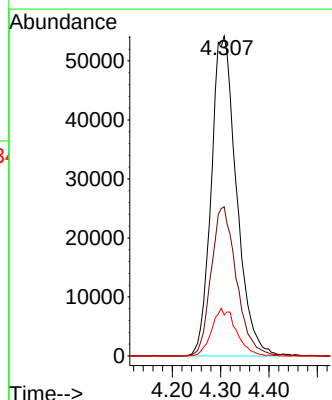
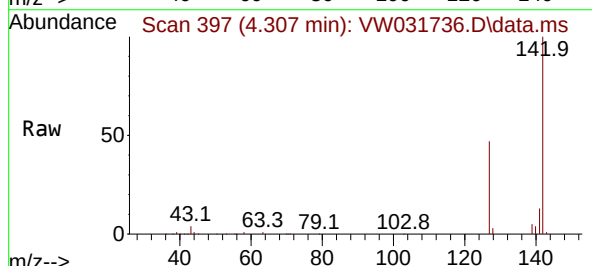
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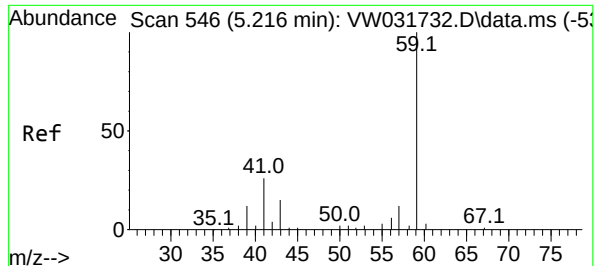
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#10
Methyl Iodide
Concen: 51.168 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:142 Resp: 196219
Ion Ratio Lower Upper
142 100
127 46.9 37.9 56.9
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 273.466 ug/l

RT: 5.216 min Scan# 546

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 59 Resp: 55590

Ion Ratio Lower Upper

59 100

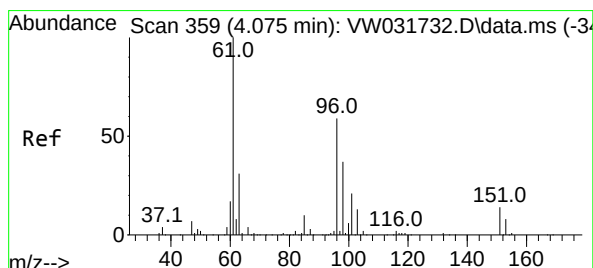
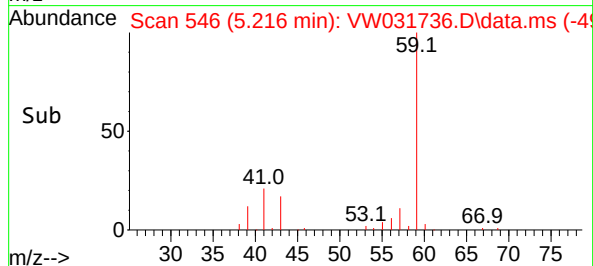
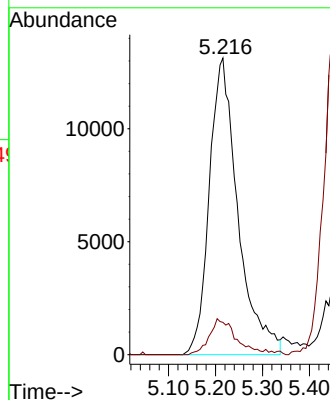
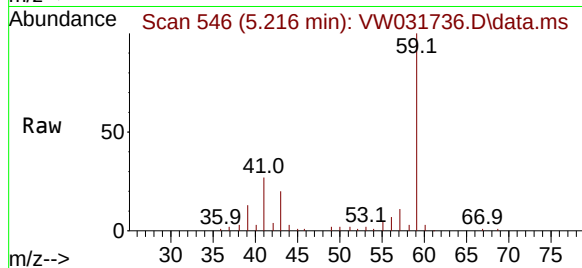
57 11.1 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#12

1,1-Dichloroethene

Concen: 51.057 ug/l

RT: 4.069 min Scan# 358

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

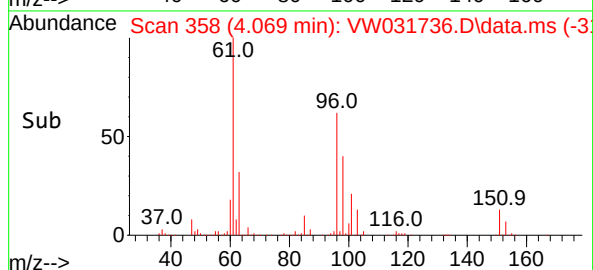
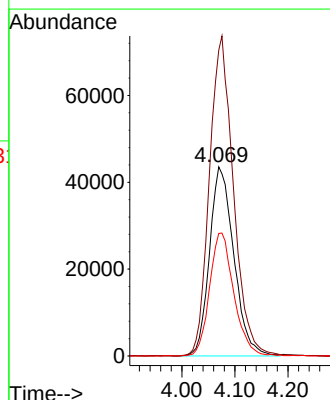
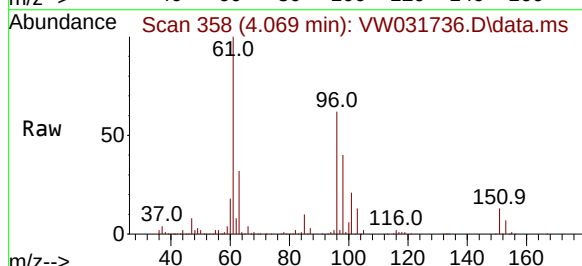
Tgt Ion: 96 Resp: 139112

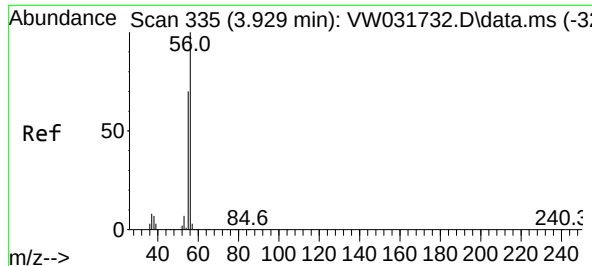
Ion Ratio Lower Upper

96 100

61 161.5 135.8 203.8

98 64.8 50.4 75.6





#13

Acrolein

Concen: 238.183 ug/l

RT: 3.923 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 56 Resp: 8703

Ion Ratio Lower Upper

56 100

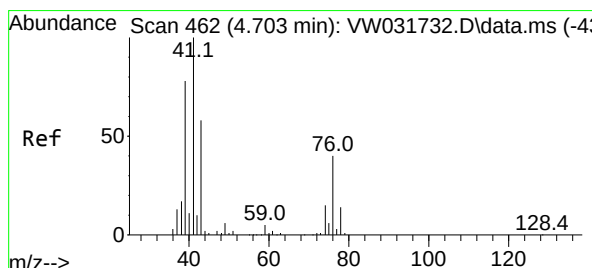
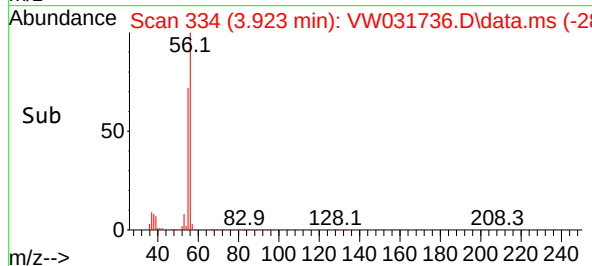
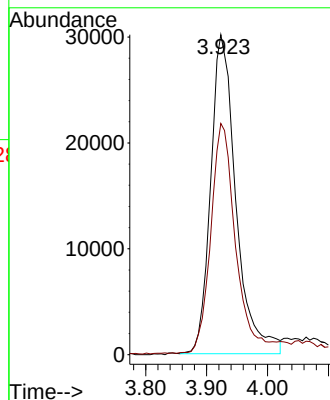
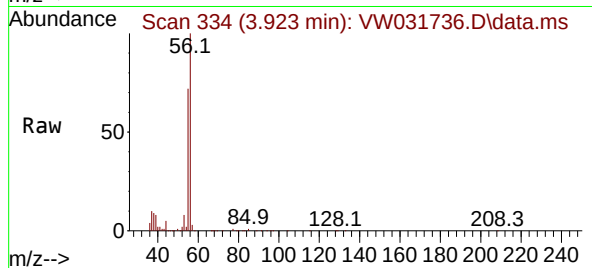
55 70.0 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#14

Allyl chloride

Concen: 53.493 ug/l

RT: 4.697 min Scan# 461

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

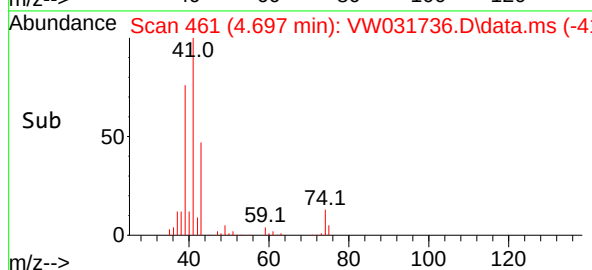
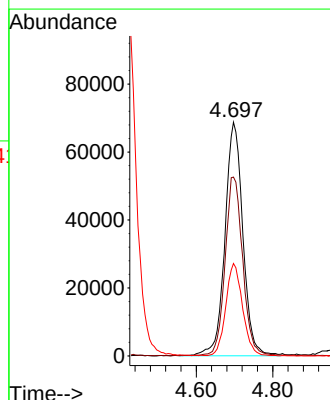
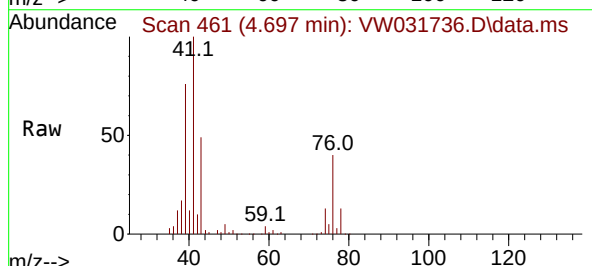
Tgt Ion: 41 Resp: 223623

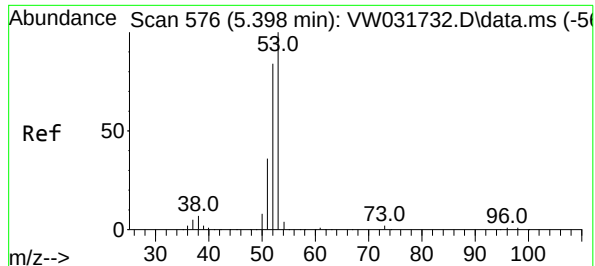
Ion Ratio Lower Upper

41 100

39 75.1 60.7 91.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 263.111 ug/l

RT: 5.392 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 53 Resp: 220330

Ion Ratio Lower Upper

53 100

52 83.7 66.4 99.6

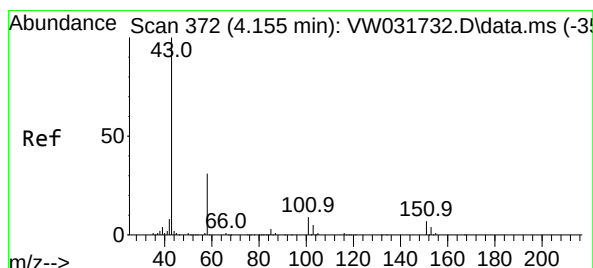
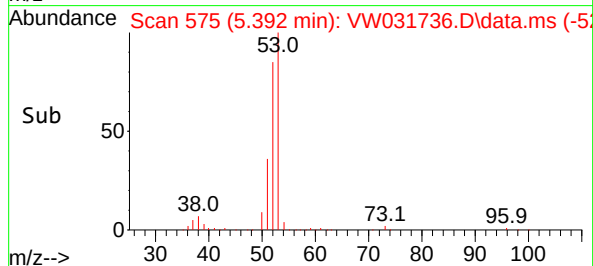
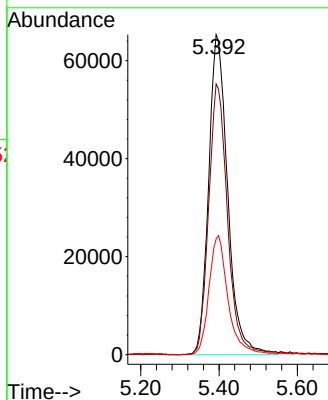
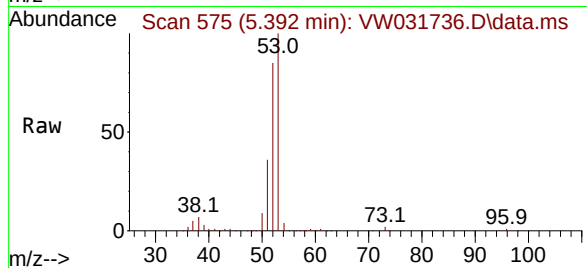
51 37.4 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#16

Acetone

Concen: 255.933 ug/l

RT: 4.155 min Scan# 372

Delta R.T. 0.000 min

Lab File: VW031736.D

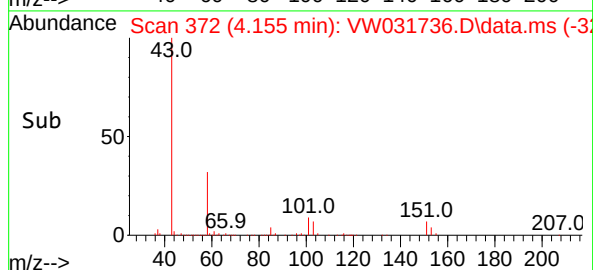
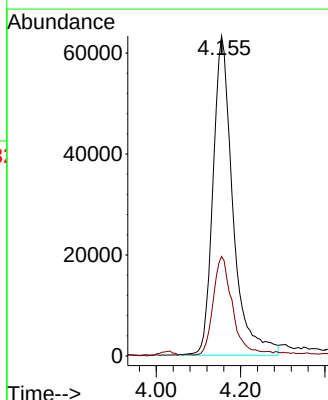
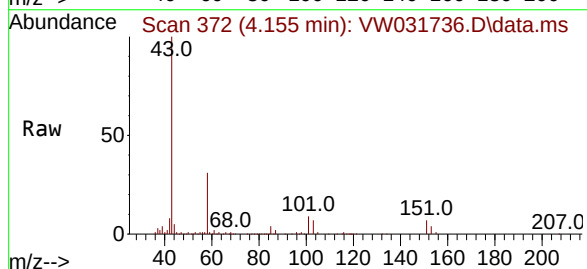
Acq: 30 Jun 2025 15:23

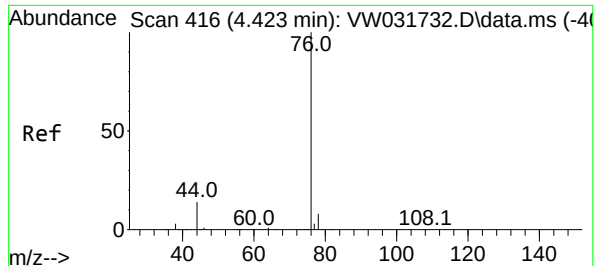
Tgt Ion: 43 Resp: 207587

Ion Ratio Lower Upper

43 100

58 30.7 24.8 37.2





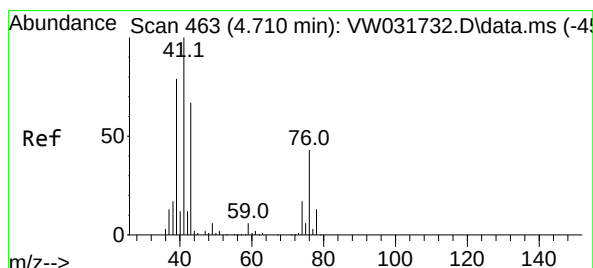
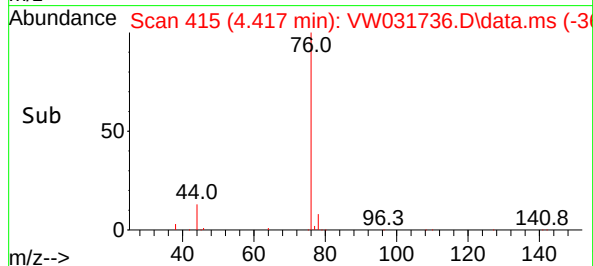
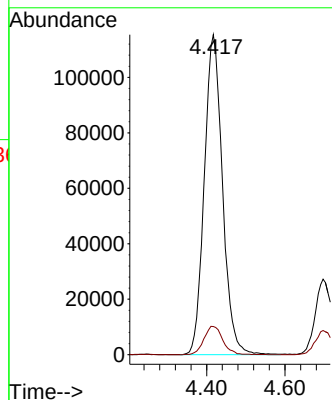
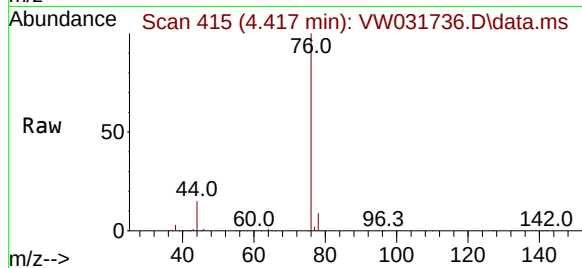
#17
Carbon Disulfide
Concen: 51.079 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion: 76 Resp: 37241
Ion Ratio Lower Upper
76 100
78 8.8 6.6 10.0

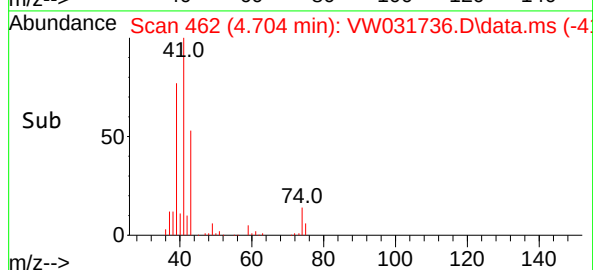
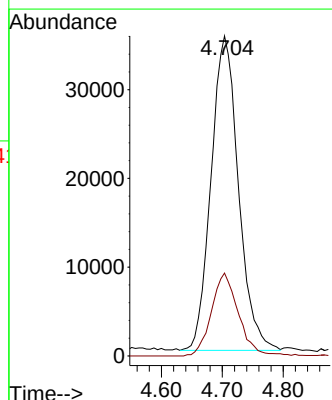
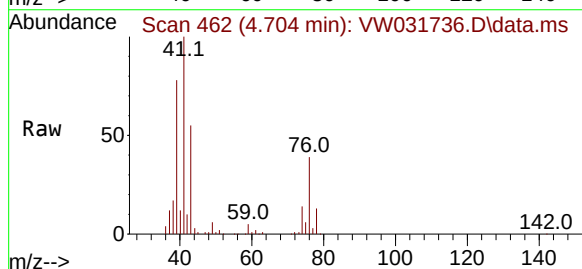
Manual Integrations
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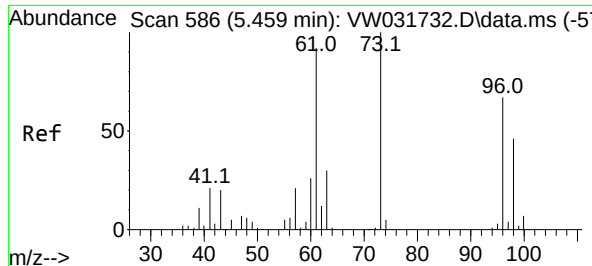
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#18
Methyl Acetate
Concen: 47.723 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 110627
Ion Ratio Lower Upper
43 100
74 26.2 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 53.936 ug/l

RT: 5.453 min Scan# 501

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 73 Resp: 249430

Ion Ratio Lower Upper

73 100

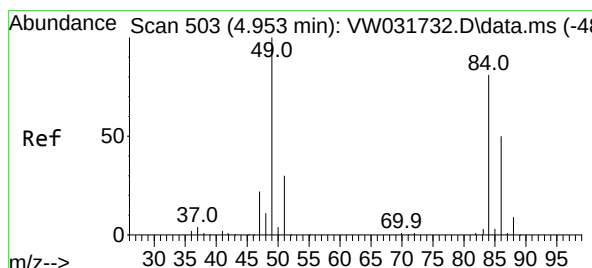
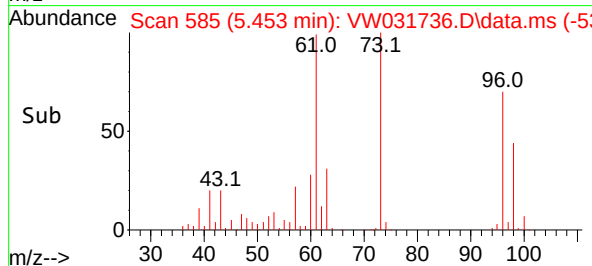
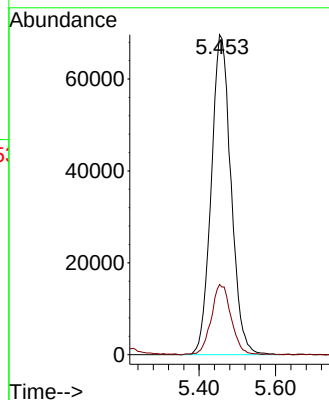
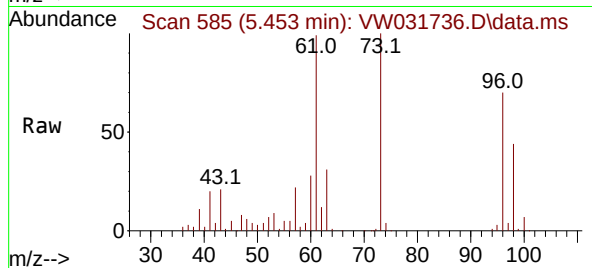
57 21.9 17.2 25.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#20

Methylene Chloride

Concen: 51.478 ug/l

RT: 4.947 min Scan# 502

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Tgt Ion: 84 Resp: 165907

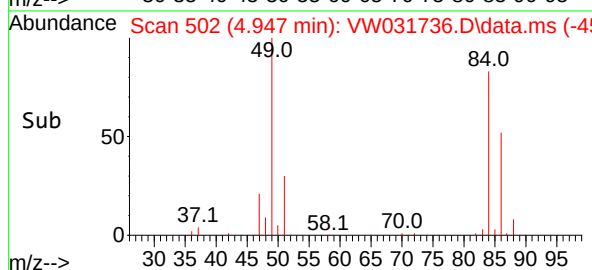
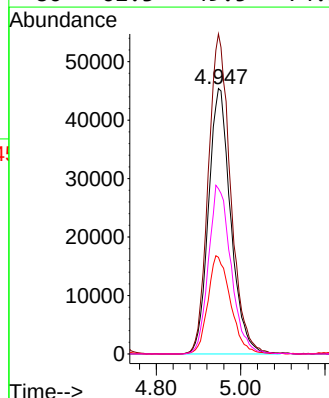
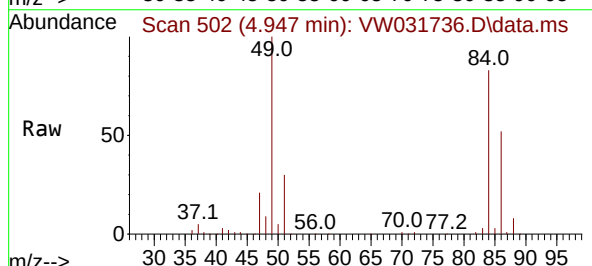
Ion Ratio Lower Upper

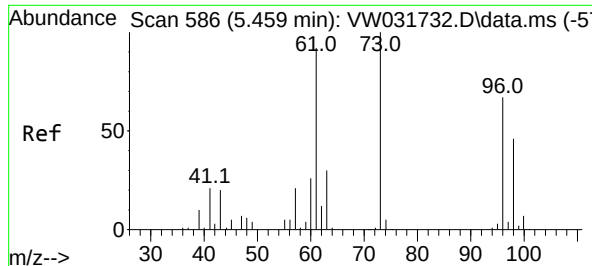
84 100

49 120.5 98.2 147.4

51 36.4 29.8 44.8

86 62.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 51.856 ug/l

RT: 5.453 min Scan# 586

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 96 Resp: 150128

Ion Ratio Lower Upper

96 100

61 140.9 109.8 164.6

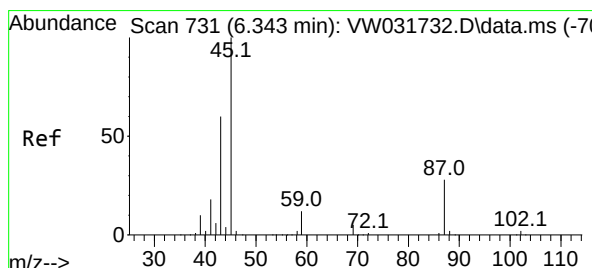
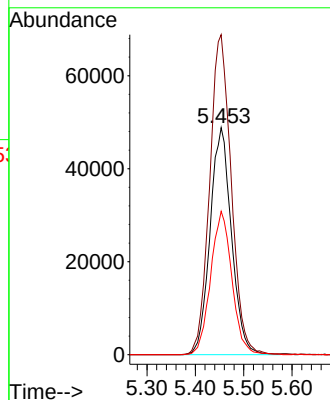
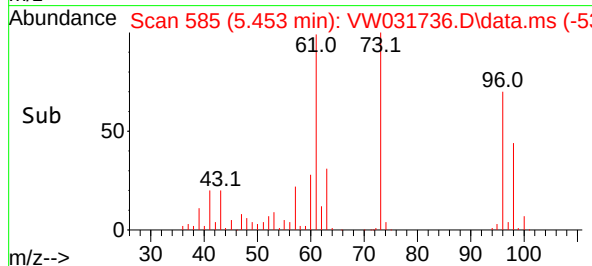
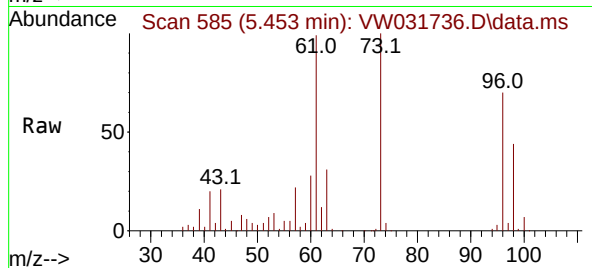
98 63.1 54.9 82.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#22

Diisopropyl ether

Concen: 53.419 ug/l

RT: 6.331 min Scan# 729

Delta R.T. -0.012 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Tgt Ion: 45 Resp: 435531

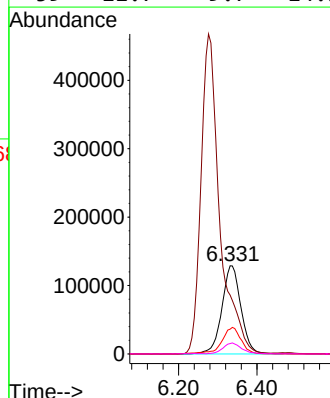
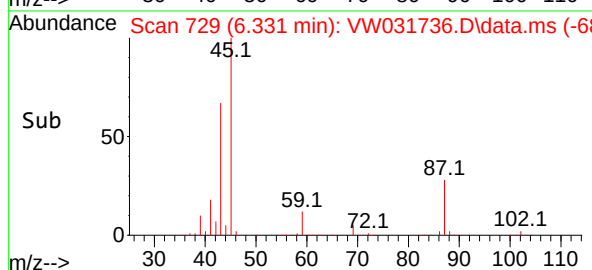
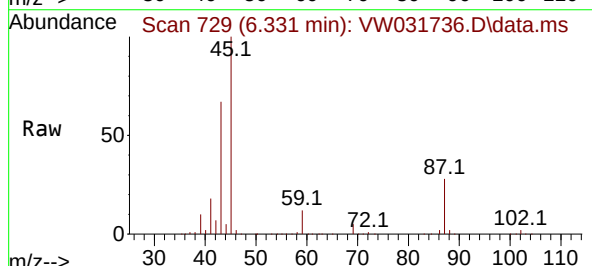
Ion Ratio Lower Upper

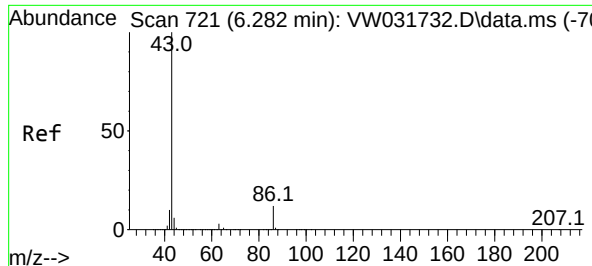
45 100

43 66.7 48.3 72.5

87 28.0 22.6 34.0

59 11.7 9.7 14.5





#23

Vinyl Acetate

Concen: 279.810 ug/l

RT: 6.276 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 43 Resp: 155824

Ion Ratio Lower Upper

43

100

86

10.9

9.2

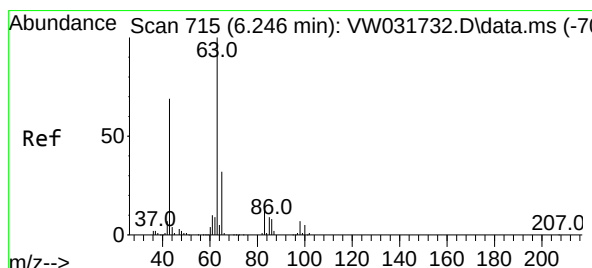
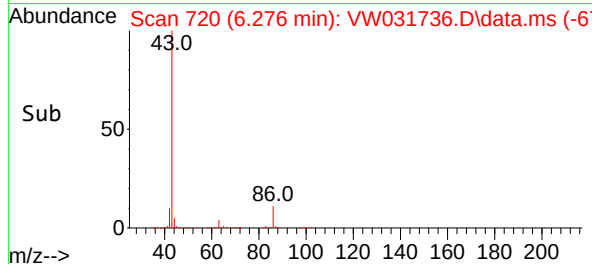
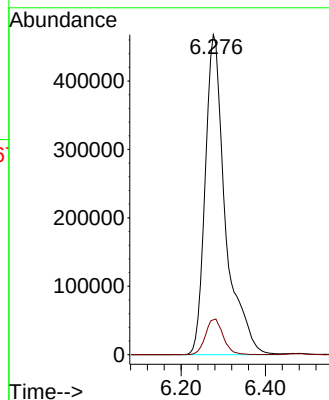
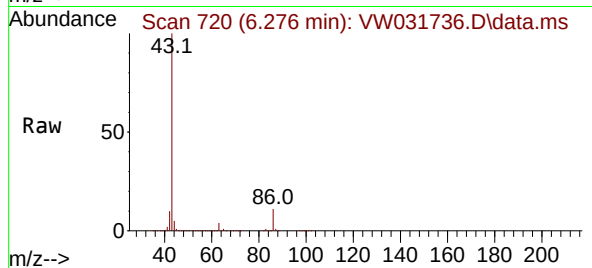
13.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#24

1,1-Dichloroethane

Concen: 52.150 ug/l

RT: 6.240 min Scan# 714

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 275659

Ion Ratio Lower Upper

63

100

98

7.7

3.5

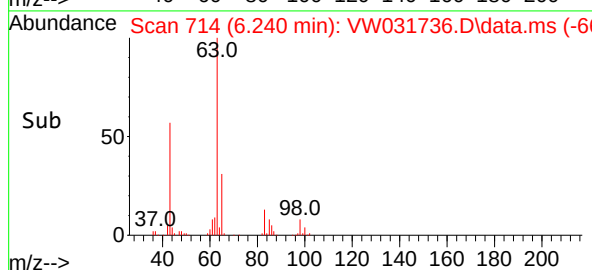
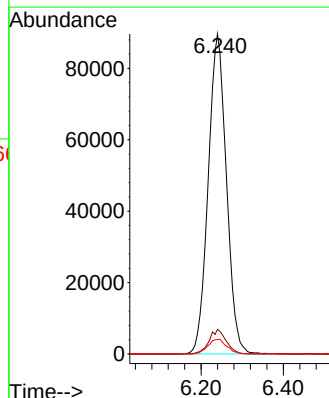
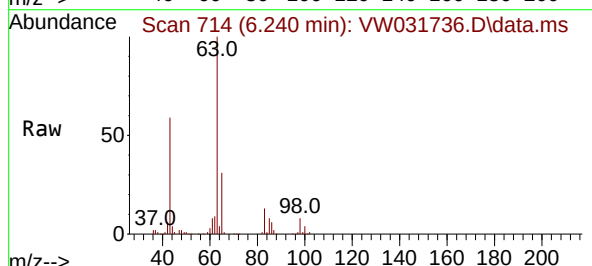
10.6

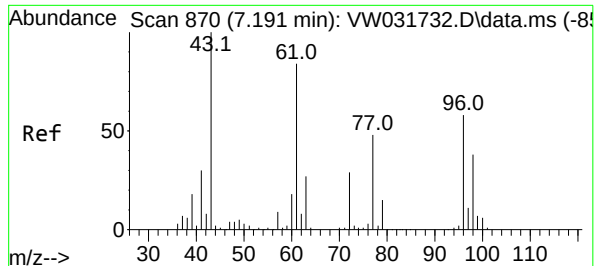
100

4.5

2.5

7.5





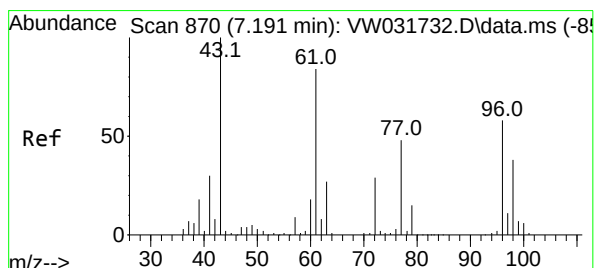
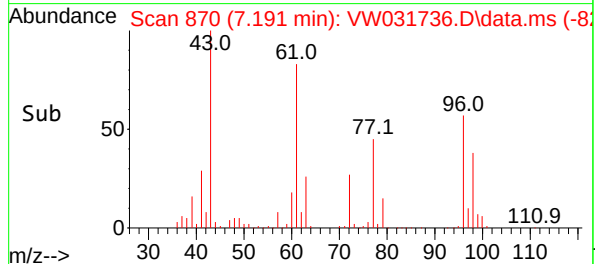
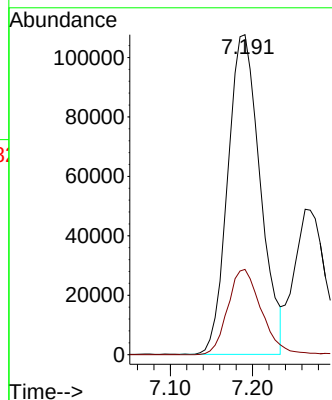
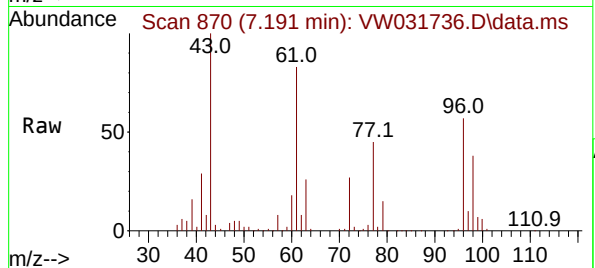
#25
2-Butanone
Concen: 280.206 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 29567
Ion Ratio Lower Upper
43 100
72 26.7 23.0 34.6

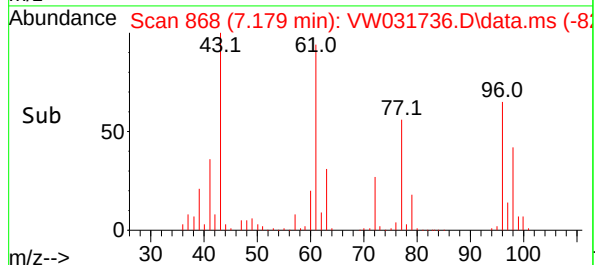
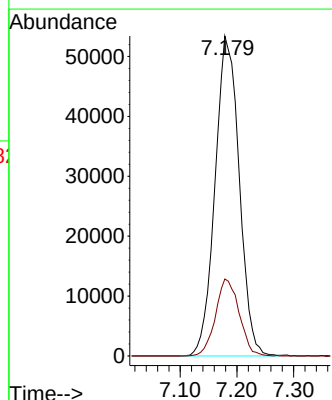
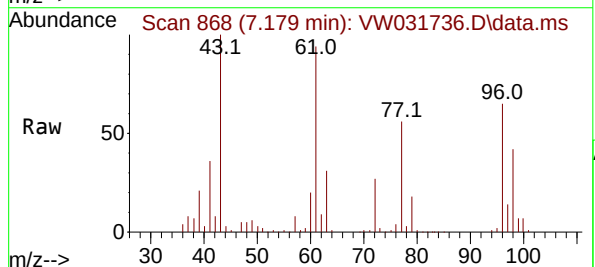
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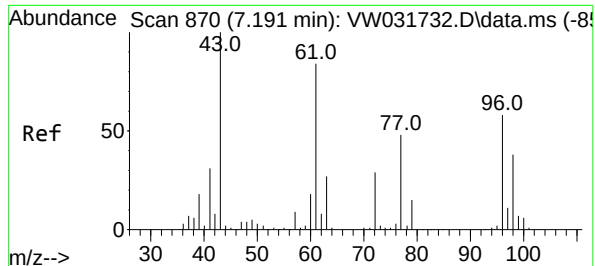
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#26
2,2-Dichloropropane
Concen: 51.263 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 77 Resp: 158098
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 52.697 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 96 Resp: 17537

Ion Ratio Lower Upper

96 100

61 142.7 0.0 286.8

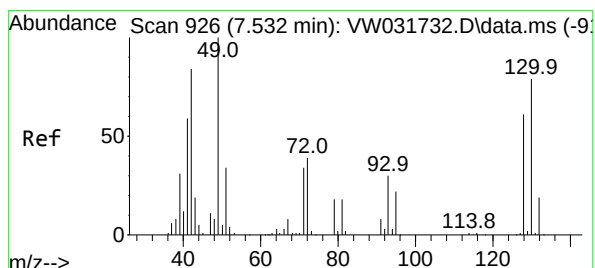
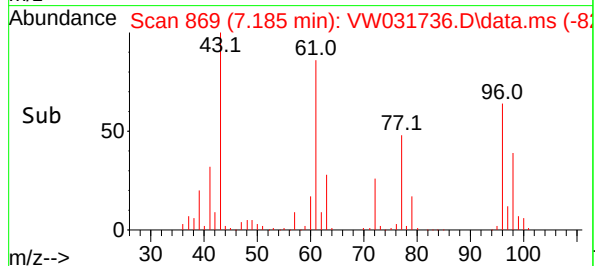
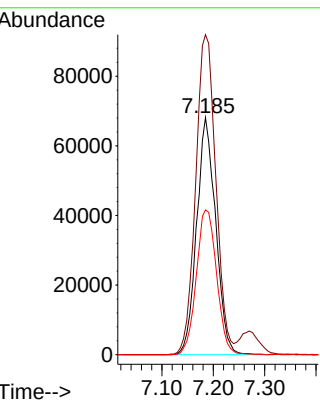
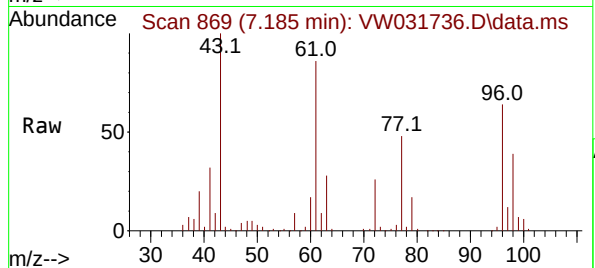
98 65.1 0.0 130.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#28

Bromochloromethane

Concen: 50.675 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

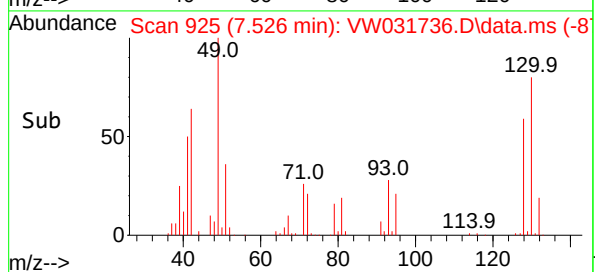
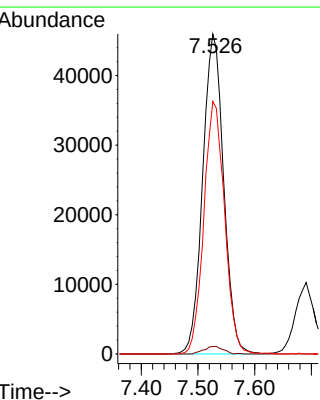
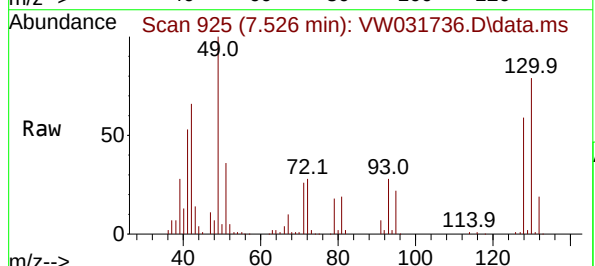
Tgt Ion: 49 Resp: 118204

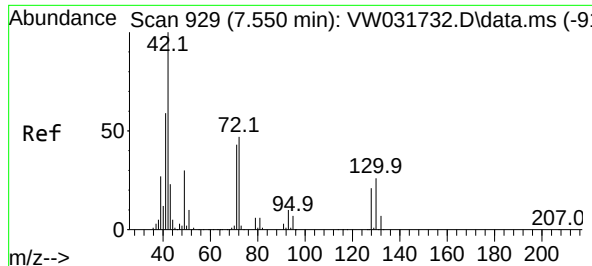
Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.4

130 77.8 61.3 91.9





#29

Tetrahydrofuran

Concen: 272.901 ug/l

RT: 7.544 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 42 Resp: 197209

Ion Ratio Lower Upper

42 100

72 46.6 36.8 55.2

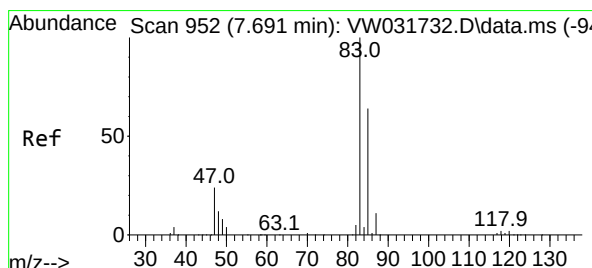
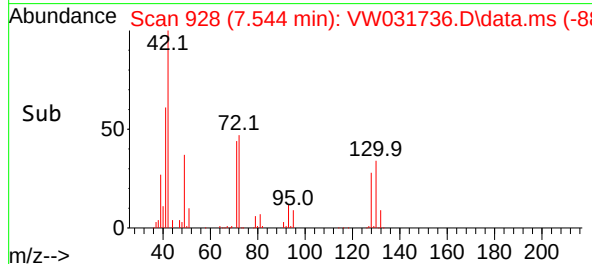
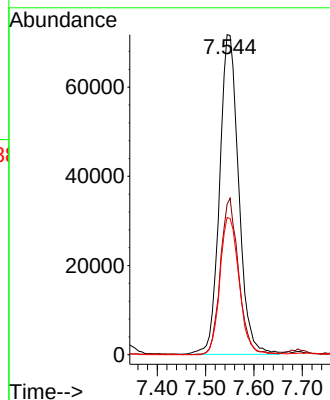
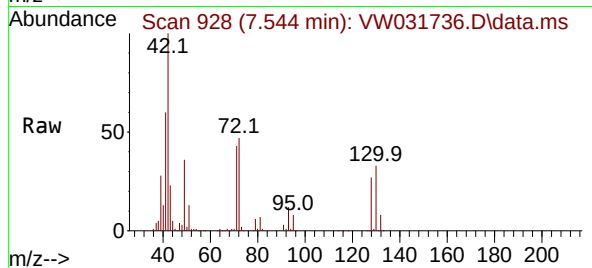
71 43.2 34.6 52.0

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#30

Chloroform

Concen: 51.829 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031736.D

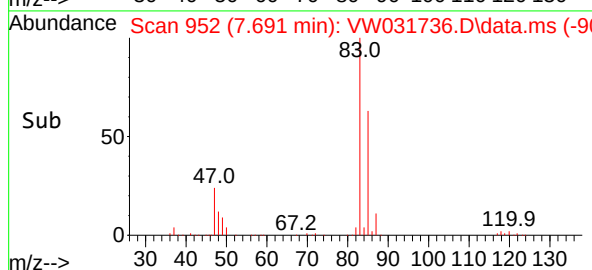
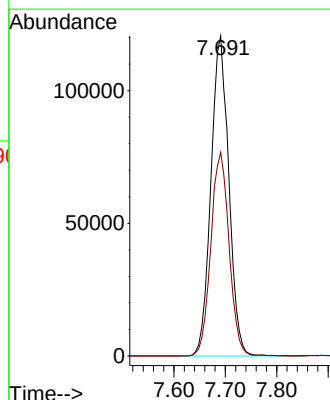
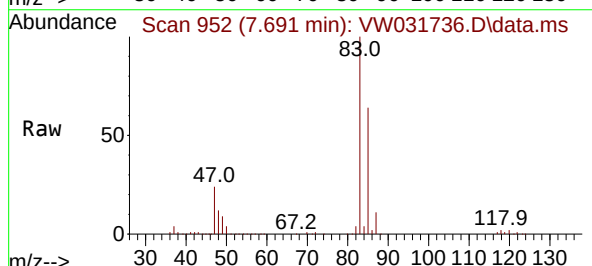
Acq: 30 Jun 2025 15:23

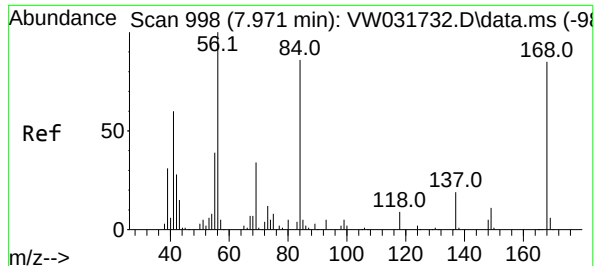
Tgt Ion: 83 Resp: 291107

Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.0





#31

Cyclohexane

Concen: 50.326 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 56 Resp: 23514

Ion Ratio Lower Upper

56 100

69 34.3 27.2 40.8

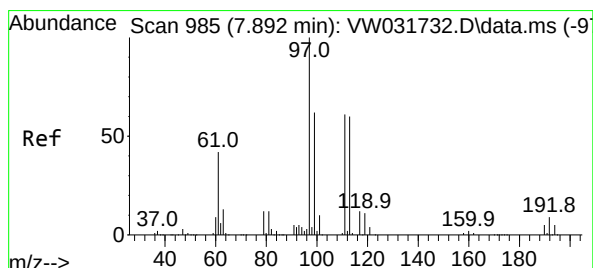
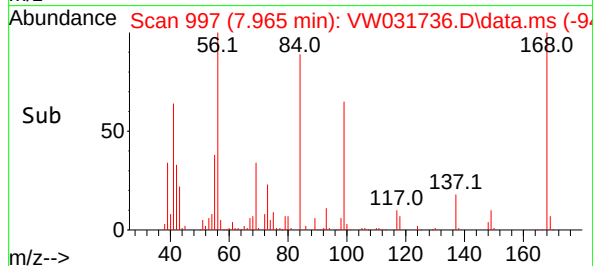
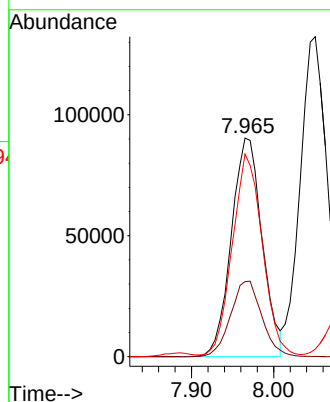
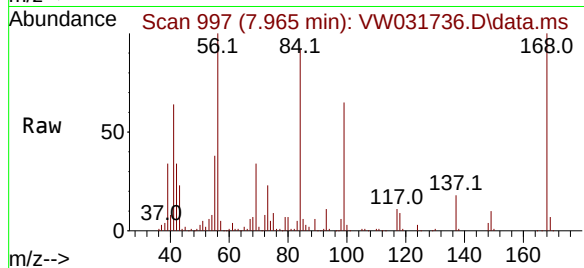
84 90.9 68.5 102.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#32

1,1,1-Trichloroethane

Concen: 52.429 ug/l

RT: 7.880 min Scan# 983

Delta R.T. -0.012 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

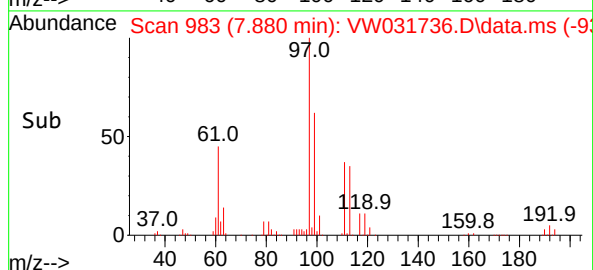
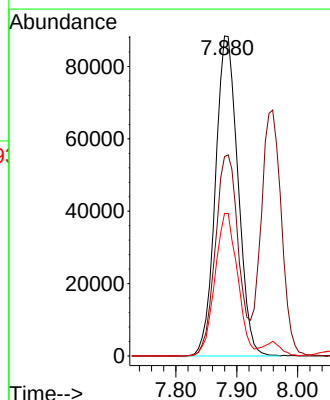
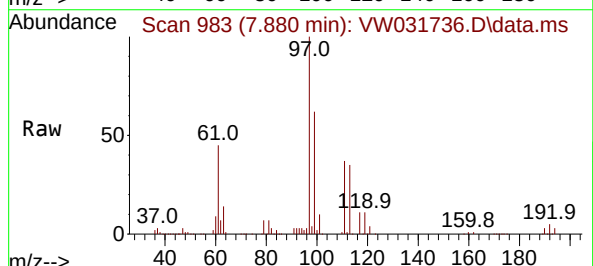
Tgt Ion: 97 Resp: 226937

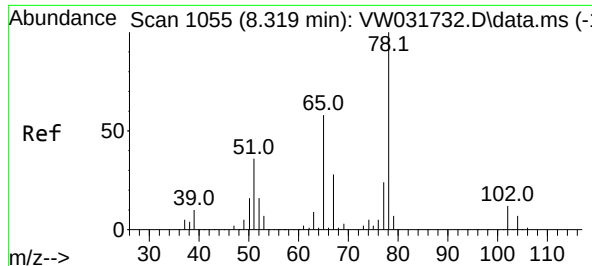
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 45.1 36.0 54.0





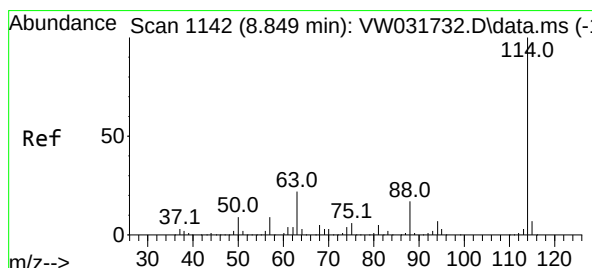
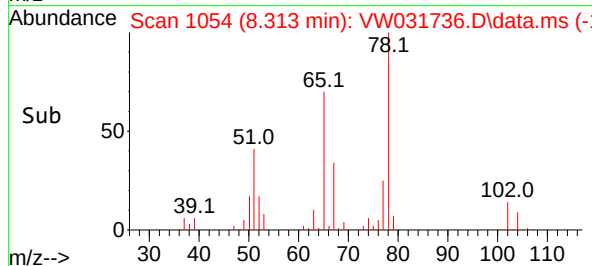
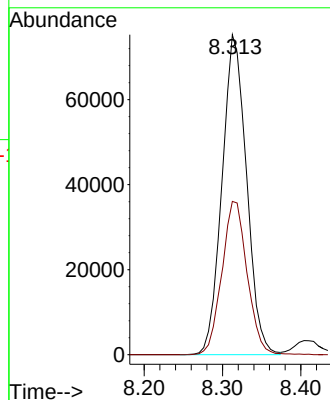
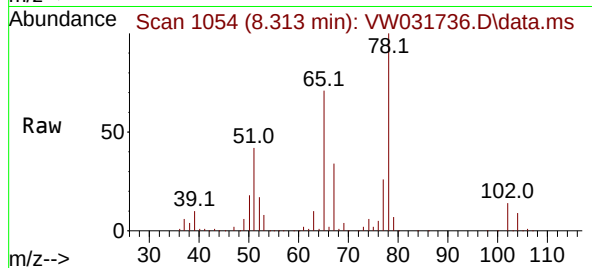
#33
1,2-Dichloroethane-d4
Concen: 49.923 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 65 Resp: 163820
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.4

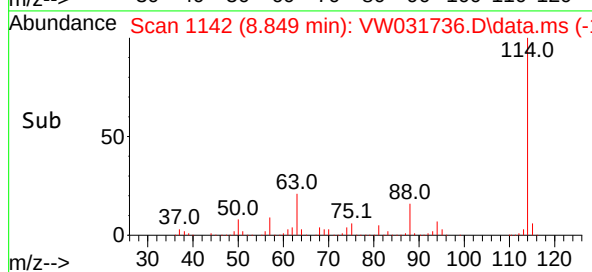
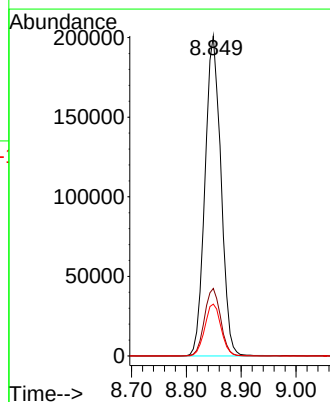
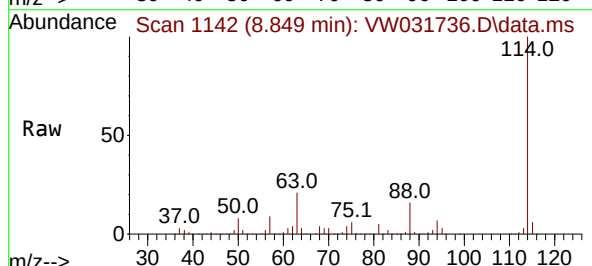
Manual Integrations
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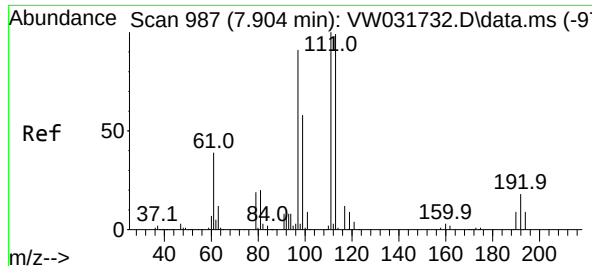
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:114 Resp: 405093
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.6
88 16.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.107 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion:113 Resp: 129810

Ion Ratio Lower Upper

113 100

111 106.9 82.1 123.1

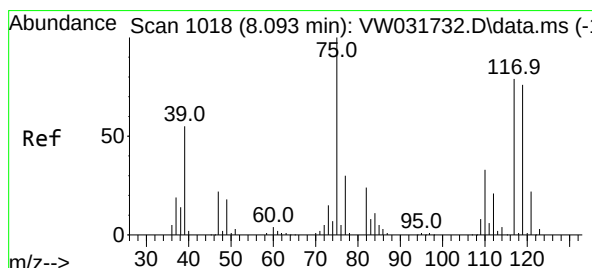
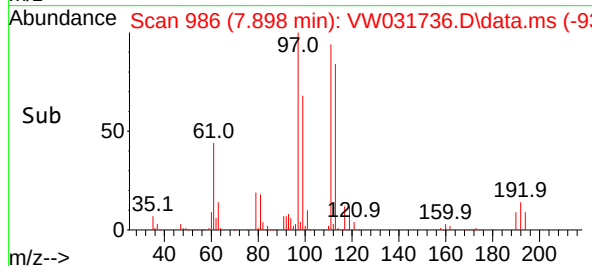
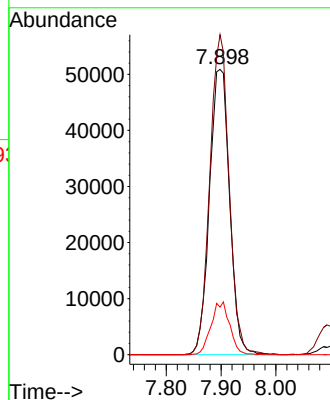
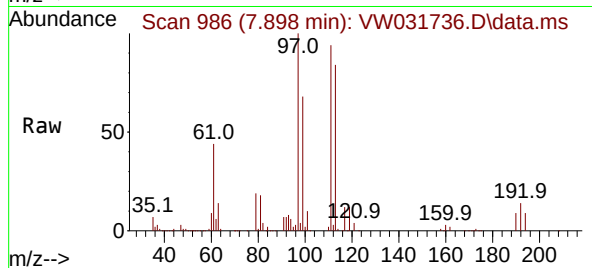
192 17.2 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#36

1,1-Dichloropropene

Concen: 54.256 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

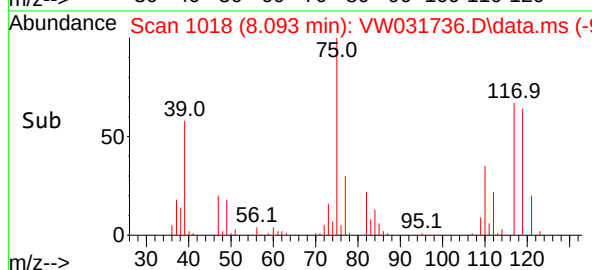
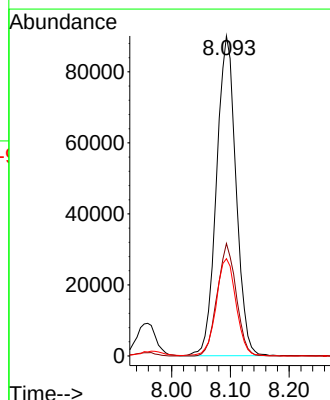
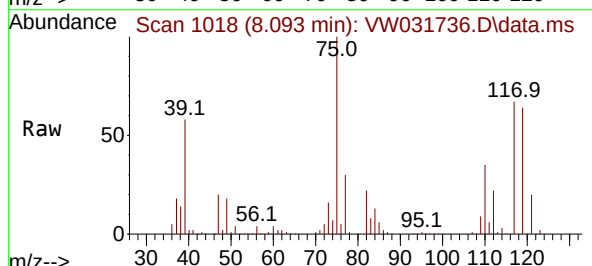
Tgt Ion: 75 Resp: 207537

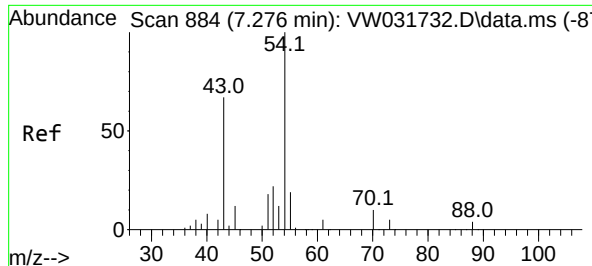
Ion Ratio Lower Upper

75 100

110 34.3 16.8 50.4

77 31.2 25.0 37.6





#37

Ethyl Acetate

Concen: 56.224 ug/l

RT: 7.264 min Scan# 882

Delta R.T. -0.012 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 43 Resp: 13566

Ion Ratio Lower Upper

43 100

61 13.1 10.9 16.3

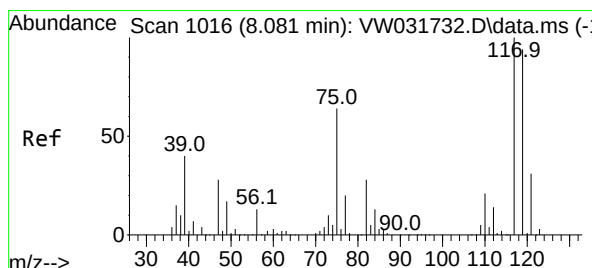
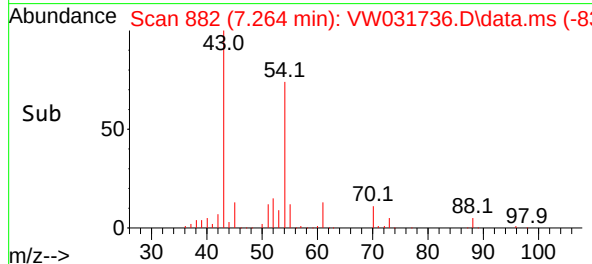
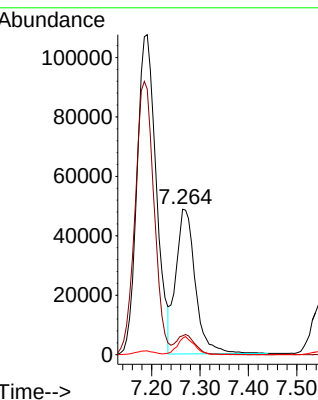
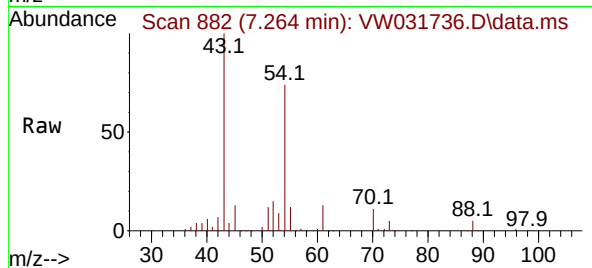
70 10.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#38

Carbon Tetrachloride

Concen: 54.165 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

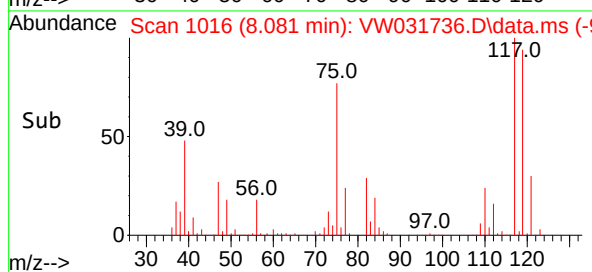
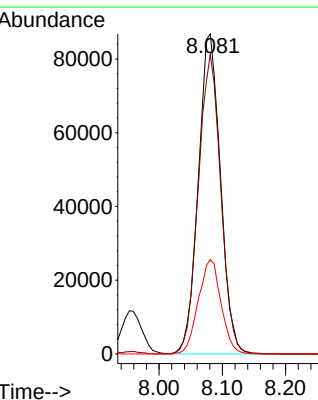
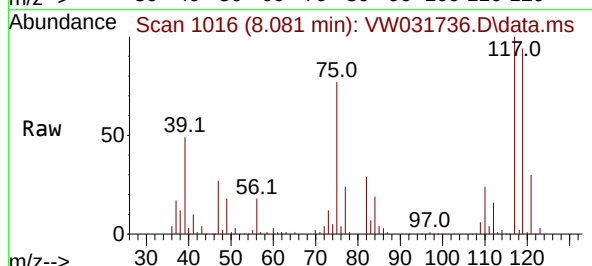
Tgt Ion:117 Resp: 211131

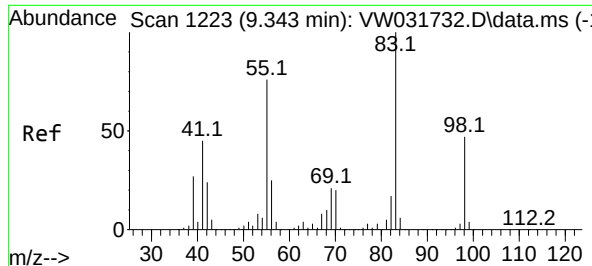
Ion Ratio Lower Upper

117 100

119 93.6 75.0 112.6

121 29.5 24.6 37.0





#39

Methylcyclohexane

Concen: 54.897 ug/l

RT: 9.337 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 83 Resp: 261262

Ion Ratio Lower Upper

83 100

55 75.0 61.0 91.4

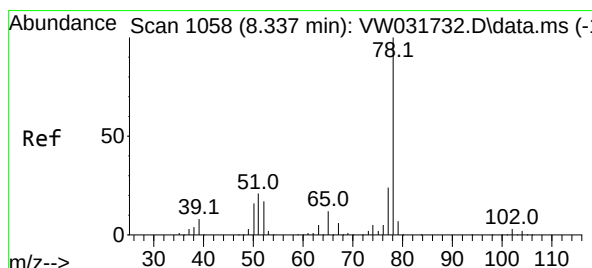
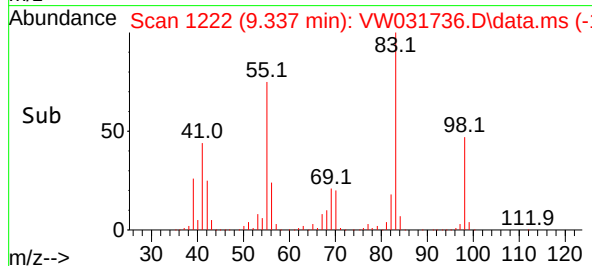
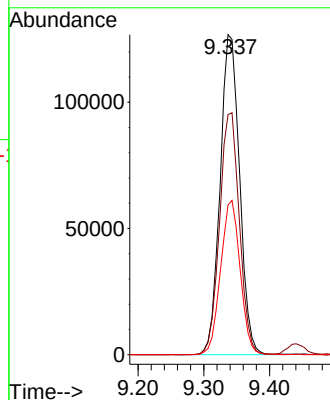
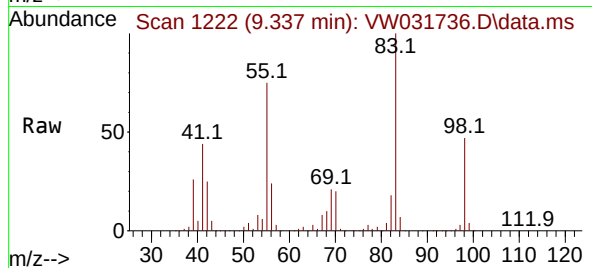
98 46.8 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#40

Benzene

Concen: 53.078 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031736.D

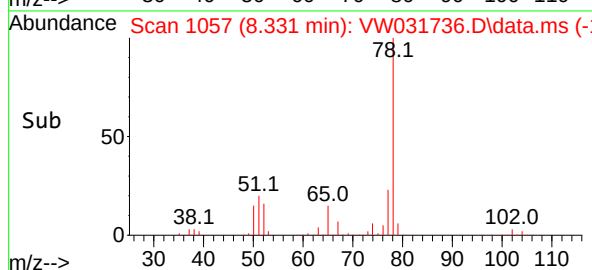
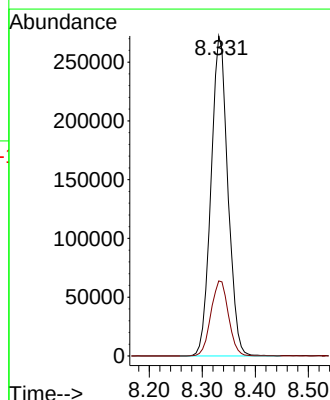
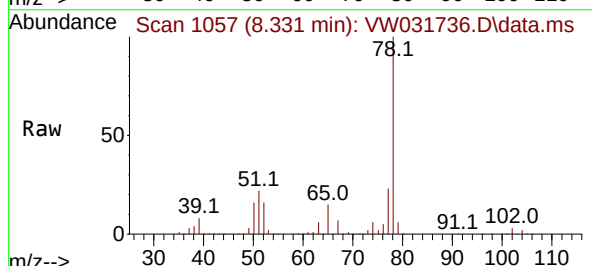
Acq: 30 Jun 2025 15:23

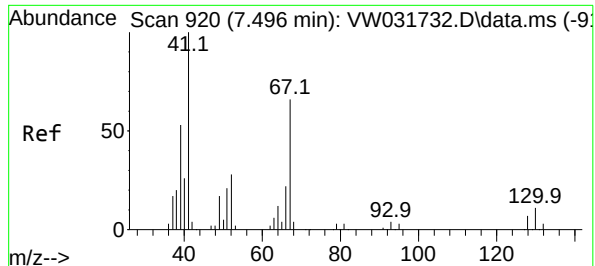
Tgt Ion: 78 Resp: 600684

Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8





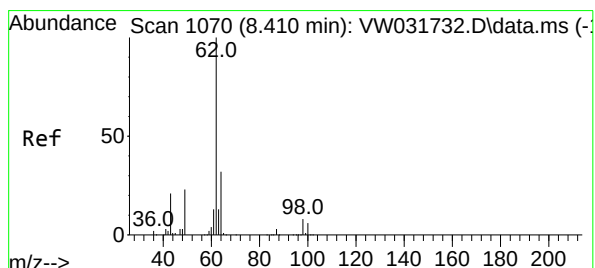
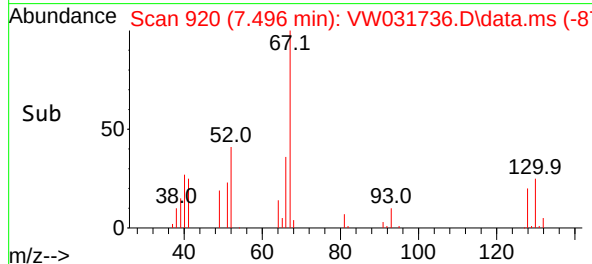
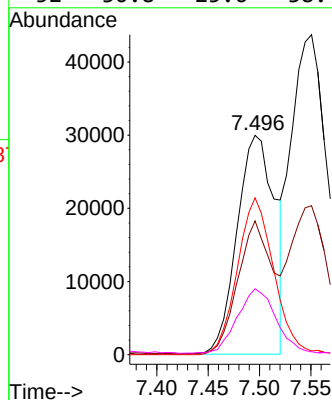
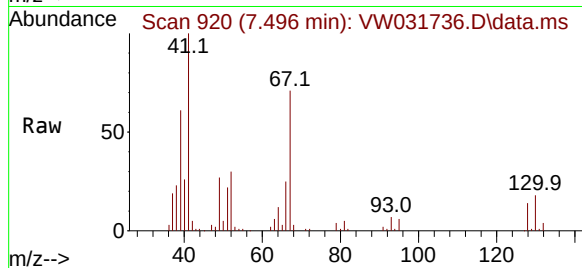
#41
Methacrylonitrile
Concen: 59.345 ug/l
RT: 7.496 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion: 41 Resp: 76710
Ion Ratio Lower Upper
41 100
39 56.2 43.2 64.8
67 69.7 58.1 87.1
52 30.8 25.6 38.4

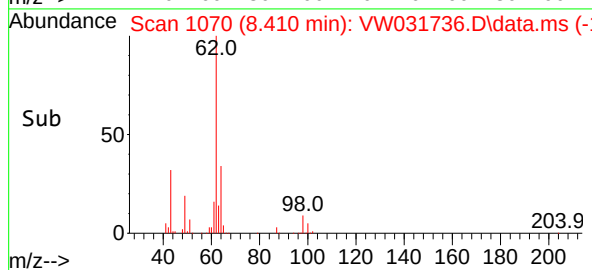
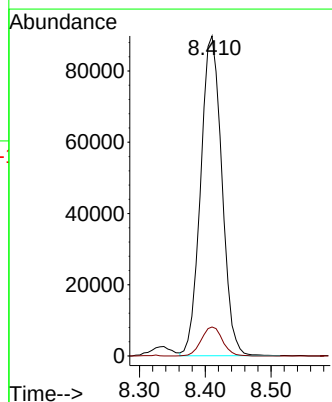
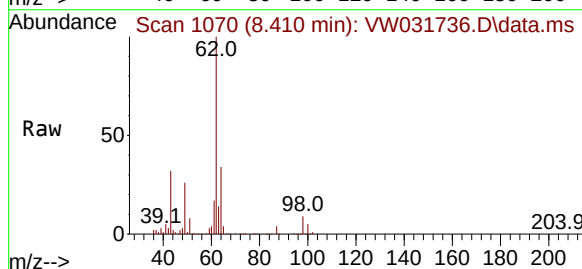
Manual Integrations
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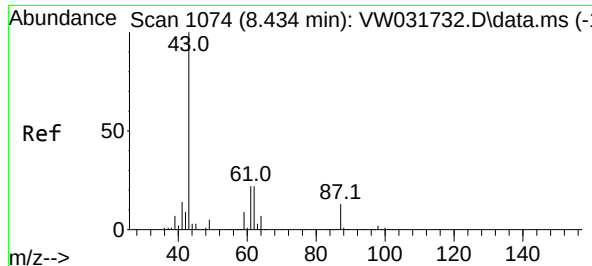
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#42
1,2-Dichloroethane
Concen: 52.674 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 201420
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 56.382 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 43 Resp: 234518

Ion Ratio Lower Upper

43 100

61 28.5 23.1 34.7

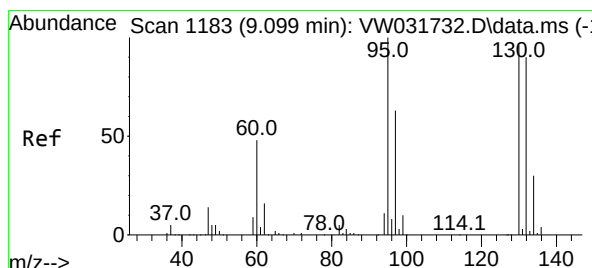
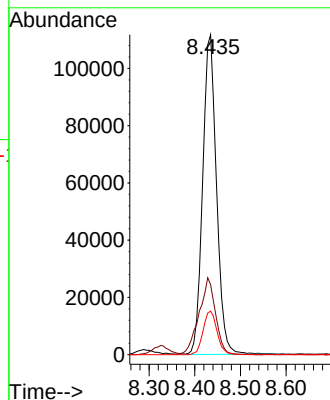
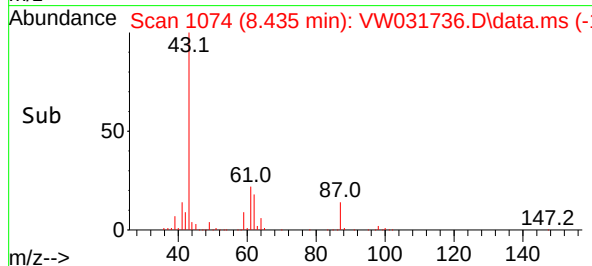
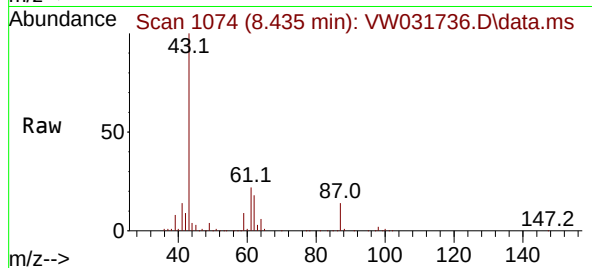
87 13.8 10.8 16.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#44

Trichloroethene

Concen: 52.391 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. 0.000 min

Lab File: VW031736.D

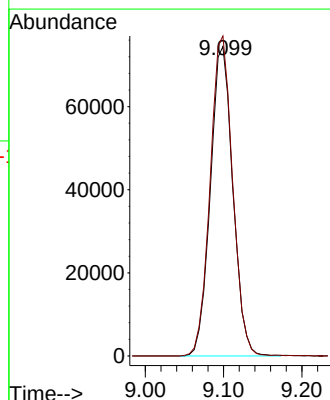
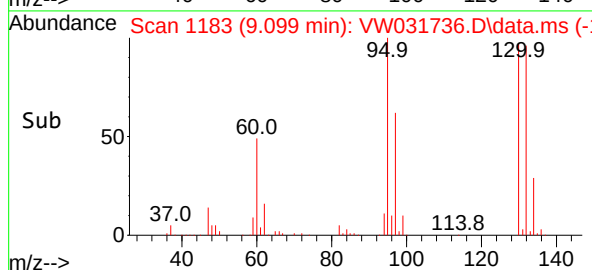
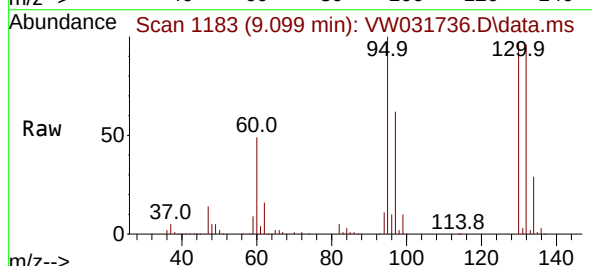
Acq: 30 Jun 2025 15:23

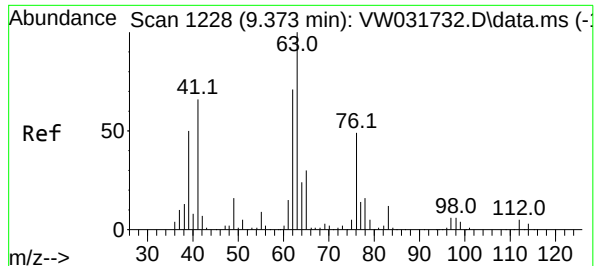
Tgt Ion:130 Resp: 147985

Ion Ratio Lower Upper

130 100

95 103.4 0.0 208.6





#45

1,2-Dichloropropane

Concen: 52.122 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 63 Resp: 142562

Ion Ratio Lower Upper

63 100

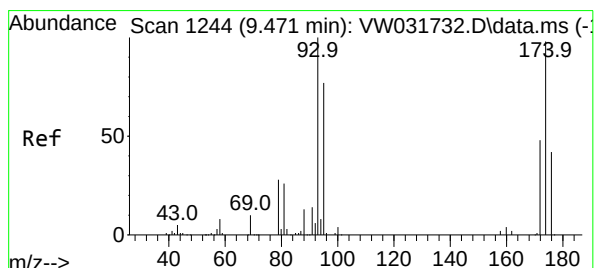
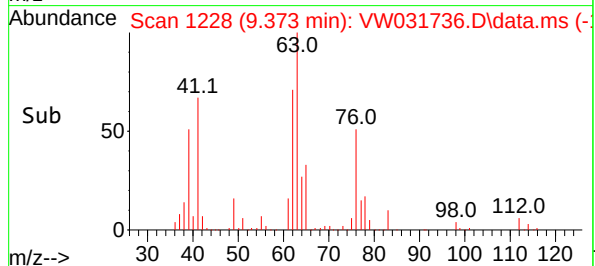
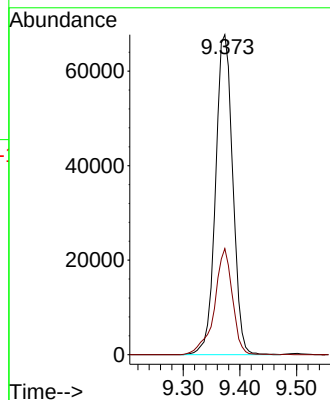
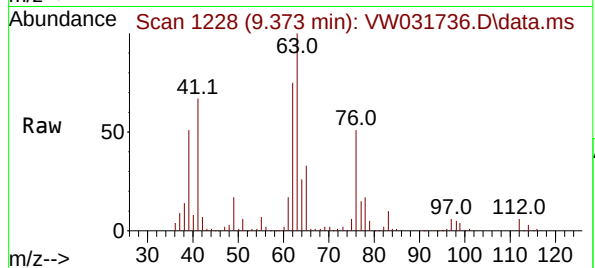
65 33.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#46

Dibromomethane

Concen: 52.504 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

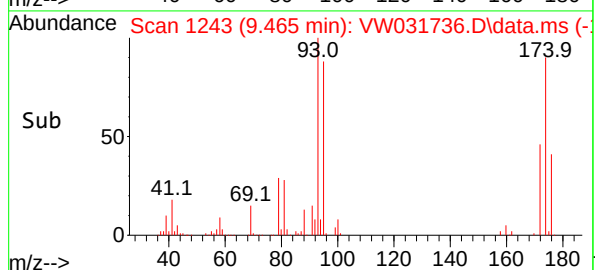
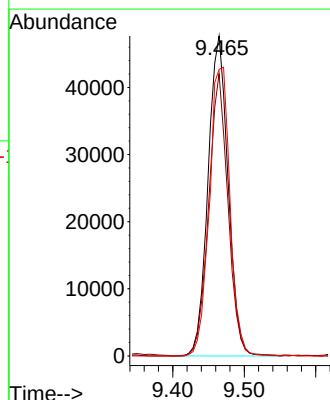
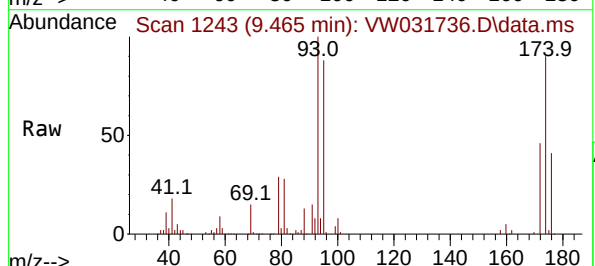
Tgt Ion: 93 Resp: 92714

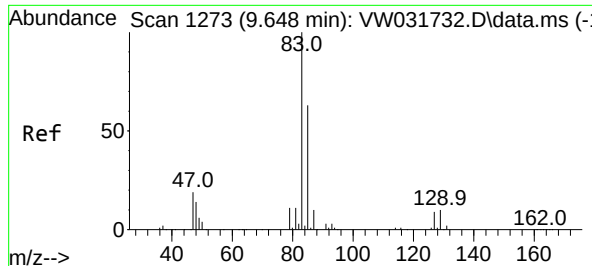
Ion Ratio Lower Upper

93 100

95 84.9 67.0 100.4

174 92.8 71.7 107.5





#47

Bromodichloromethane

Concen: 53.804 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

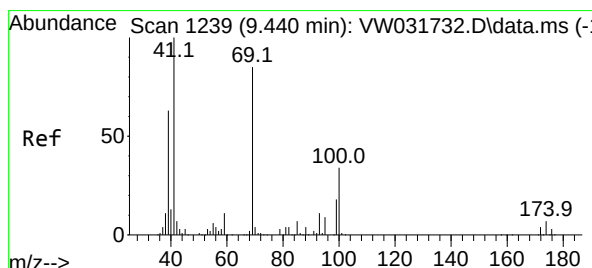
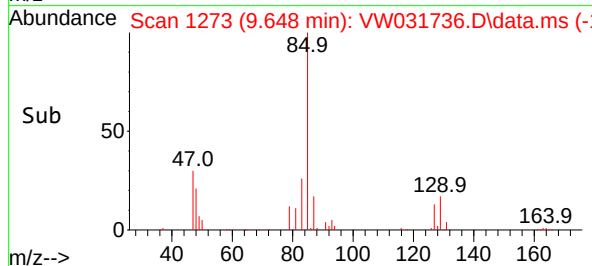
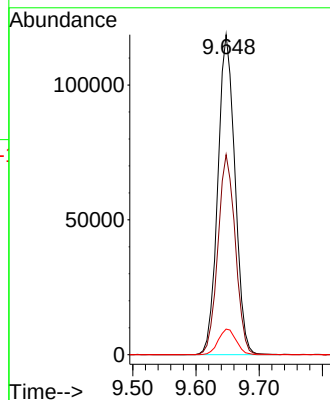
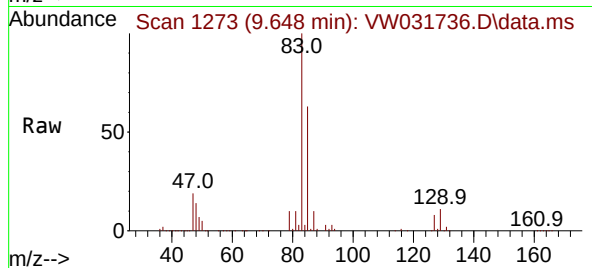
ClientSampleId :

ICVW063025

Tgt Ion:	83	Resp:	222794
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.8	76.2
127	8.0	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#48

Methyl methacrylate

Concen: 58.260 ug/l

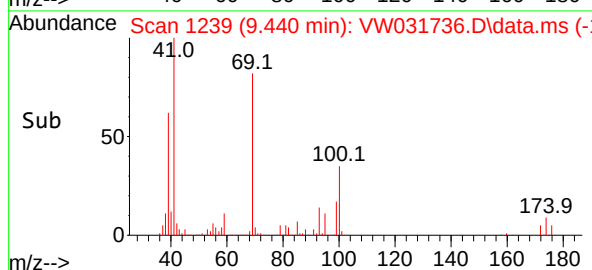
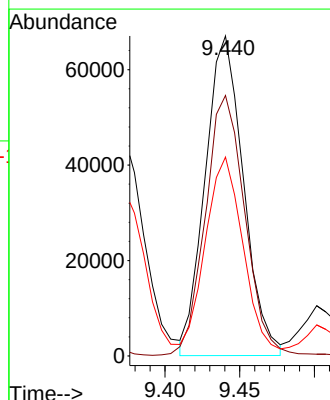
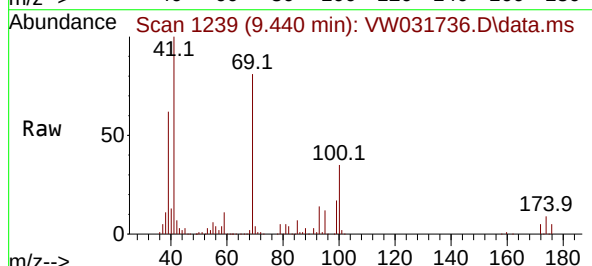
RT: 9.440 min Scan# 1239

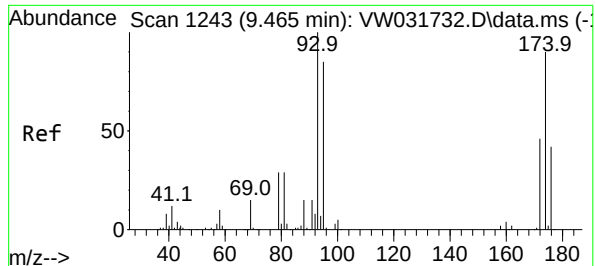
Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Tgt Ion:	41	Resp:	119156
Ion	Ratio	Lower	Upper
41	100		
69	84.7	71.6	107.4
39	57.1	49.5	74.3





#49

1,4-Dioxane

Concen: 1062.966 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031736.D

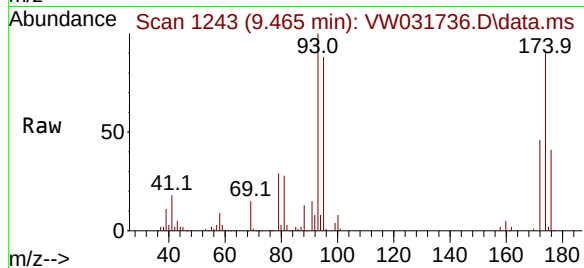
Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

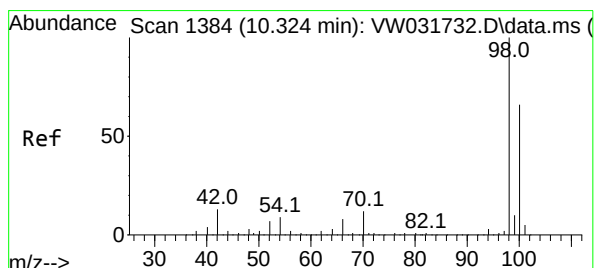
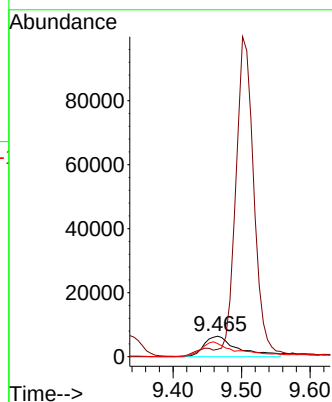
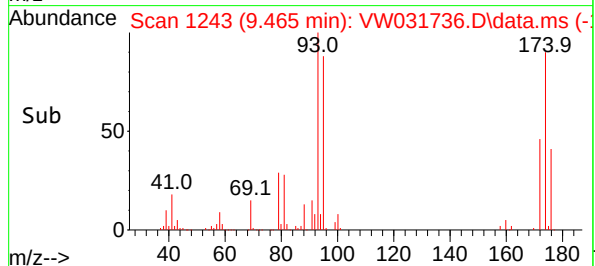


Tgt Ion: 88 Resp: 21984

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.3	58.3	87.5

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#50

Toluene-d8

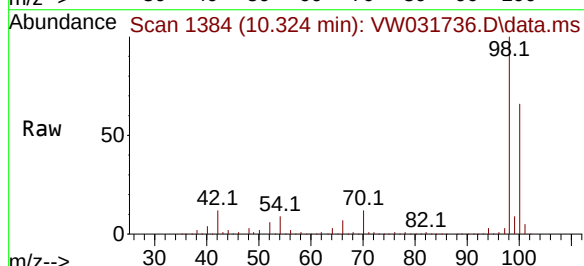
Concen: 50.552 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. 0.000 min

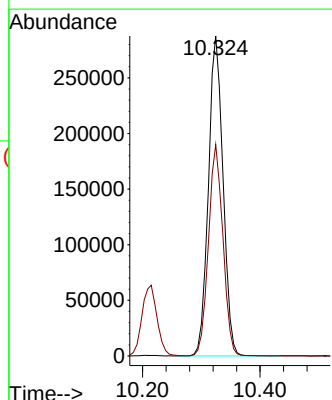
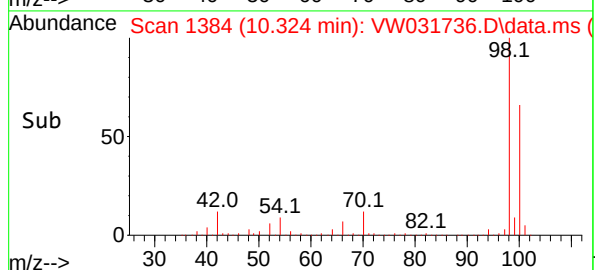
Lab File: VW031736.D

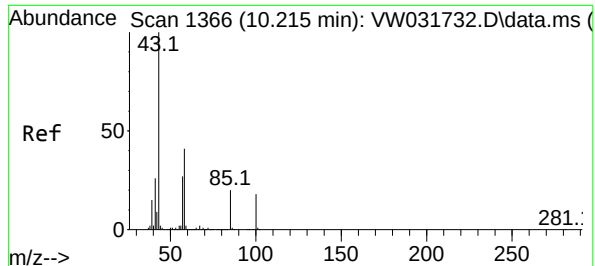
Acq: 30 Jun 2025 15:23



Tgt Ion: 98 Resp: 497288

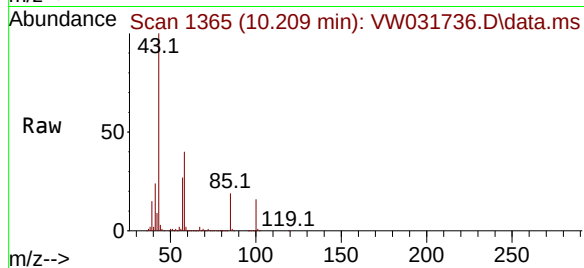
Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 279.124 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

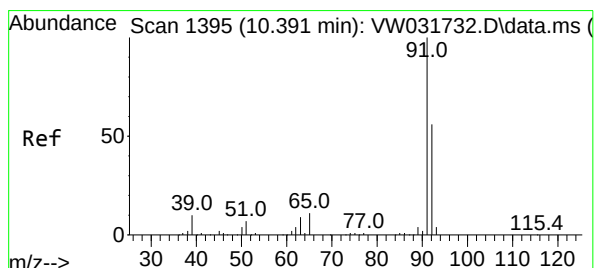
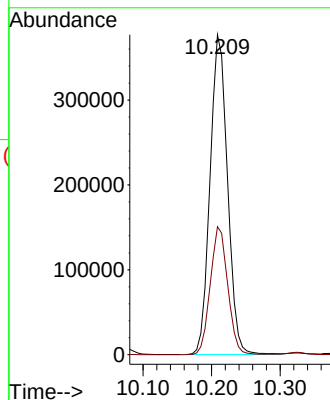
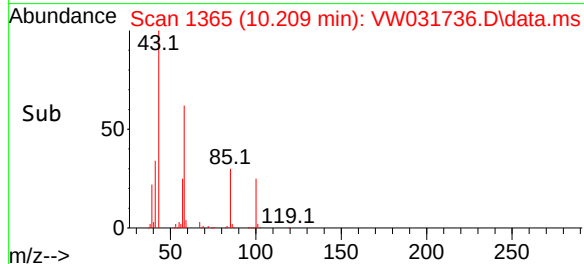
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion: 43 Resp: 66747
Ion Ratio Lower Upper
43 100
58 40.0 32.2 48.2

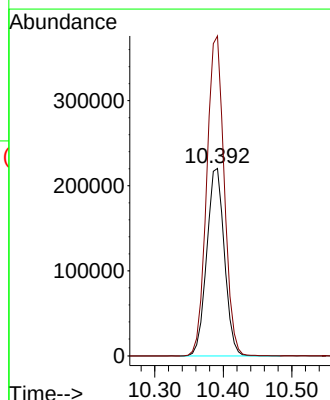
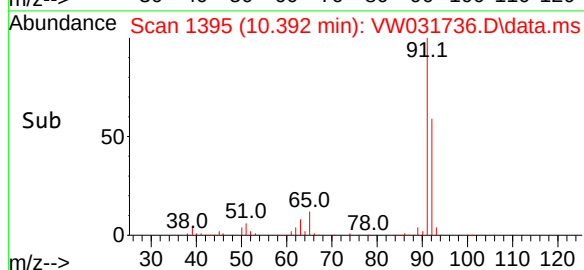
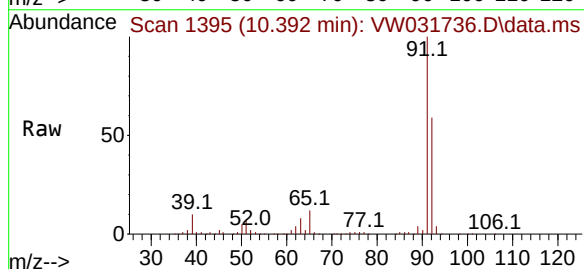
Manual Integrations
APPROVED

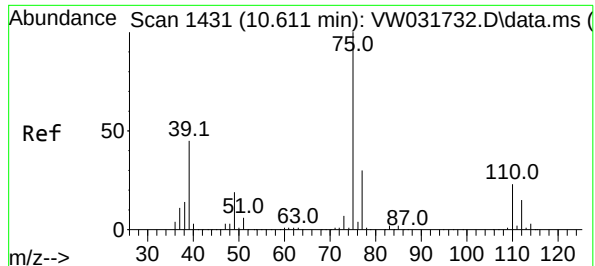
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 54.503 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 92 Resp: 394923
Ion Ratio Lower Upper
92 100
91 169.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 56.049 ug/l

RT: 10.605 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 75 Resp: 21776

Ion Ratio Lower Upper

75 100

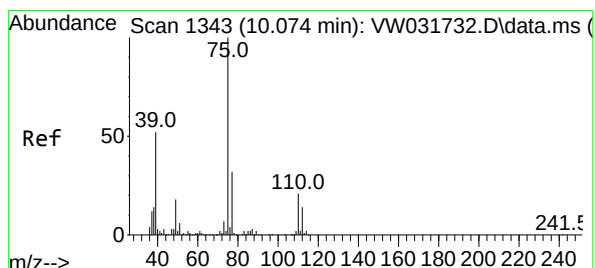
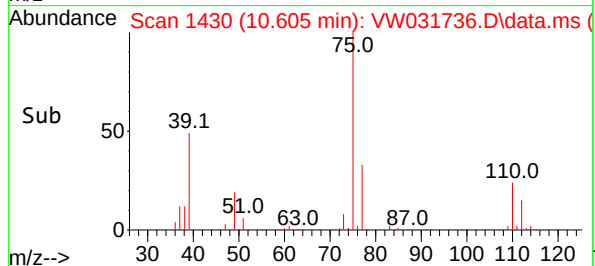
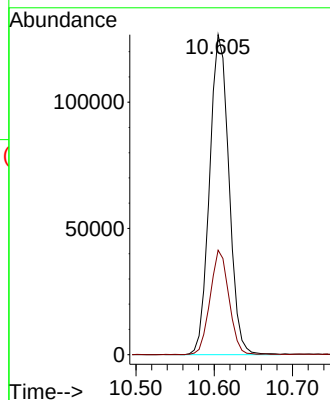
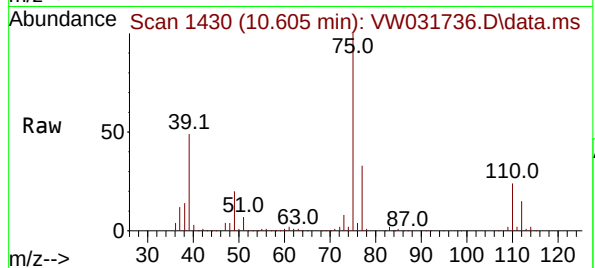
77 32.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#54

cis-1,3-Dichloropropene

Concen: 55.157 ug/l

RT: 10.074 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

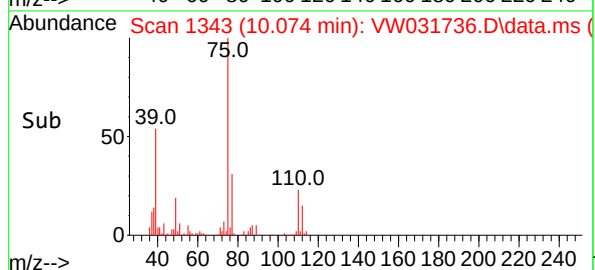
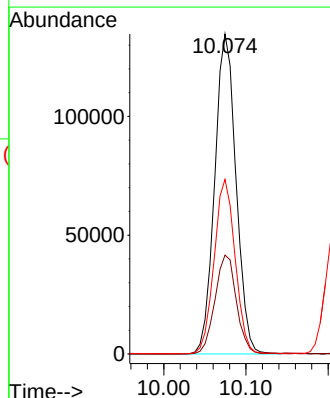
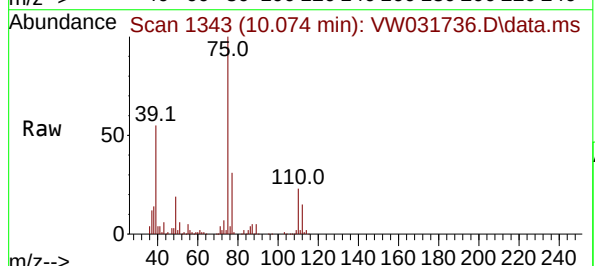
Tgt Ion: 75 Resp: 242935

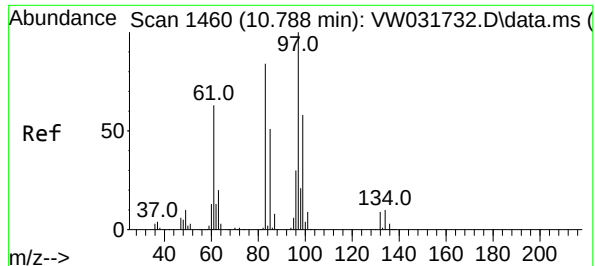
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 54.4 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 53.844 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 97 Resp: 12454

Ion Ratio Lower Upper

97 100

83 81.7 66.9 100.3

85 50.2 41.1 61.7

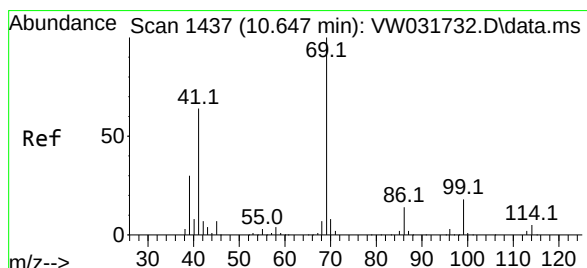
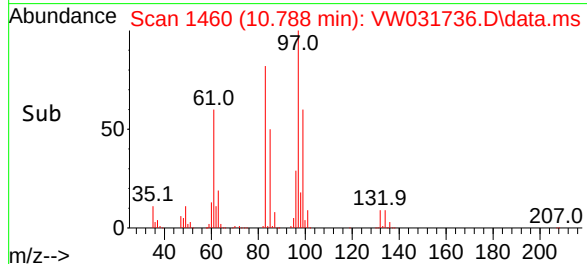
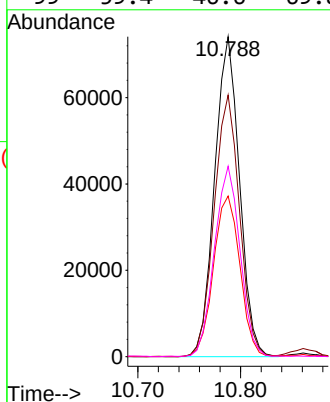
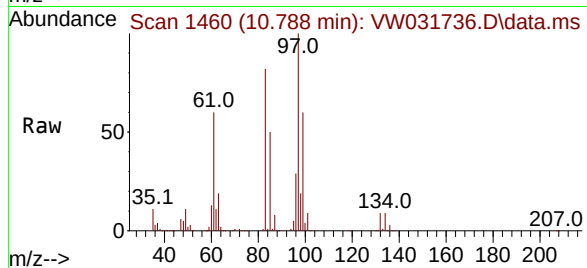
99 59.4 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#56

Ethyl methacrylate

Concen: 58.189 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

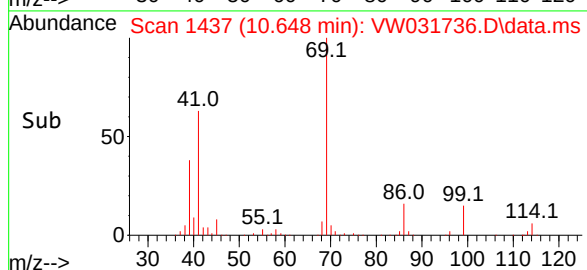
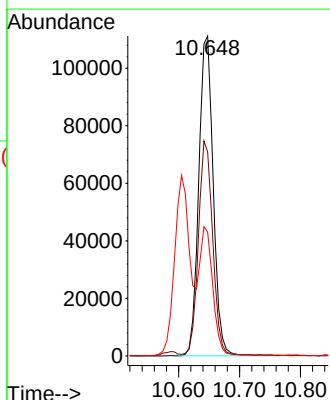
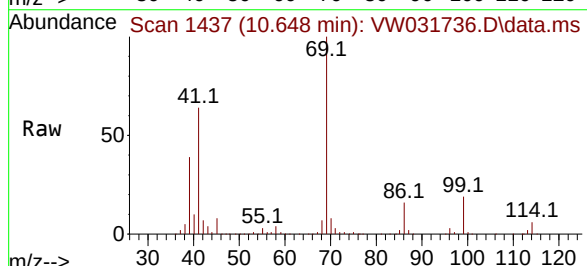
Tgt Ion: 69 Resp: 182604

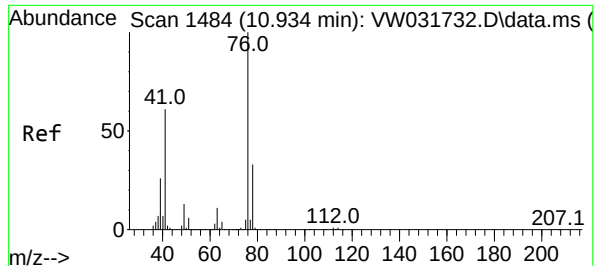
Ion Ratio Lower Upper

69 100

41 66.3 53.3 79.9

39 35.4 30.2 45.2





#57

1,3-Dichloropropane

Concen: 51.971 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 76 Resp: 211062

Ion Ratio Lower Upper

76 100

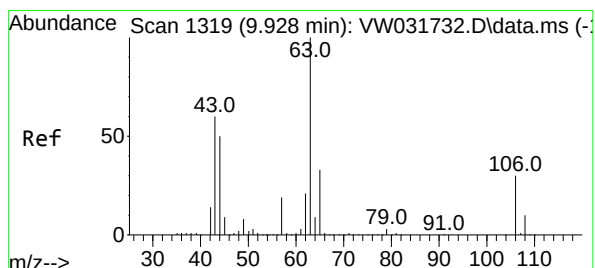
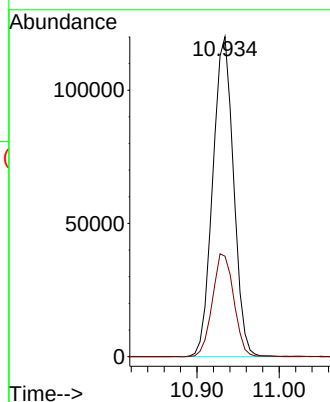
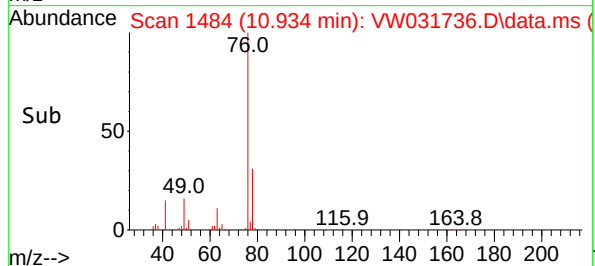
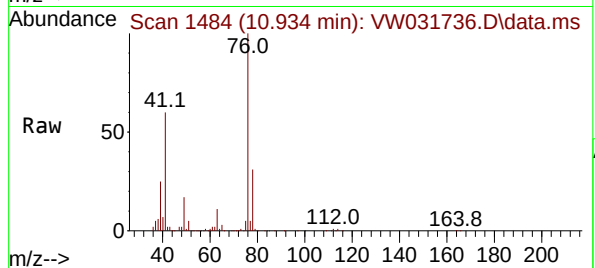
78 33.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#58

2-Chloroethyl Vinyl ether

Concen: 281.479 ug/l

RT: 9.922 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VW031736.D

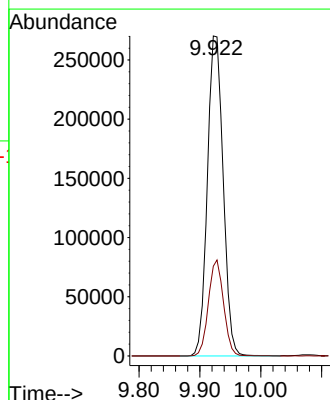
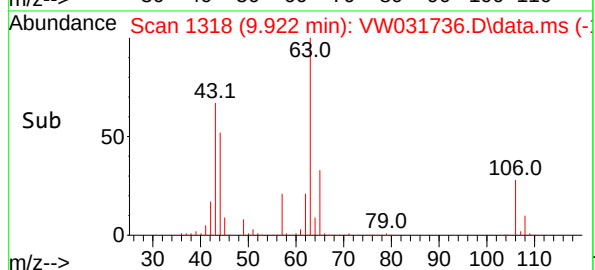
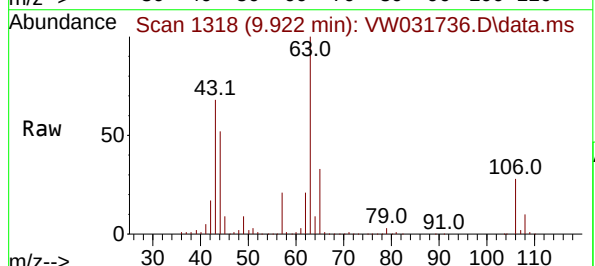
Acq: 30 Jun 2025 15:23

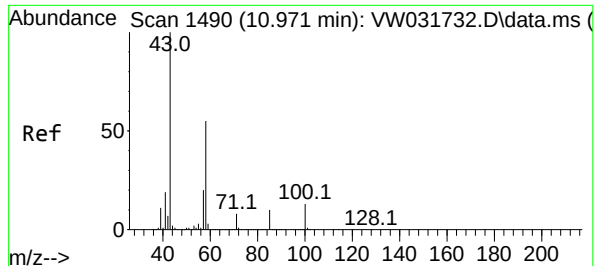
Tgt Ion: 63 Resp: 486398

Ion Ratio Lower Upper

63 100

106 28.7 24.1 36.1





#59

2-Hexanone

Concen: 282.722 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 43 Resp: 458130

Ion Ratio Lower Upper

43 100

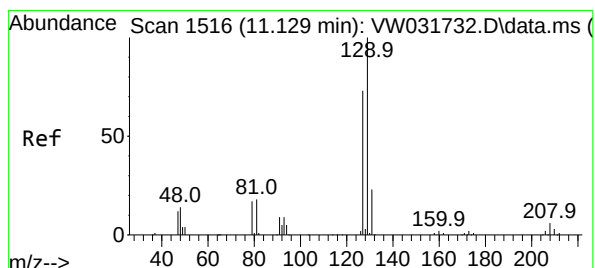
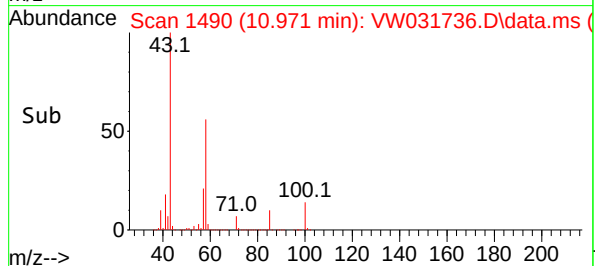
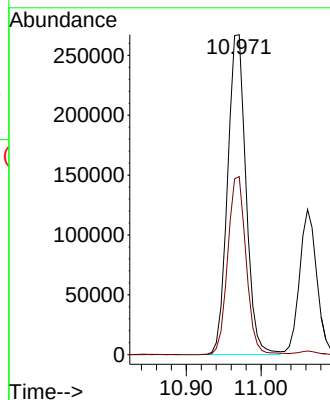
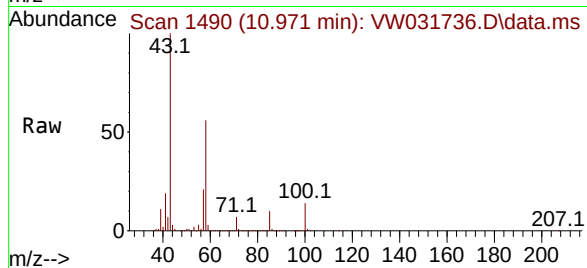
58 55.7 27.9 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#60

Dibromochloromethane

Concen: 53.973 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031736.D

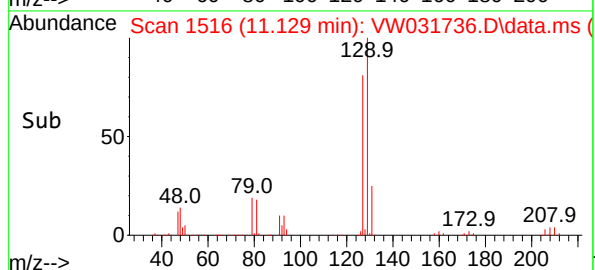
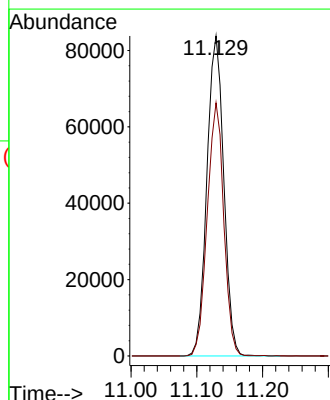
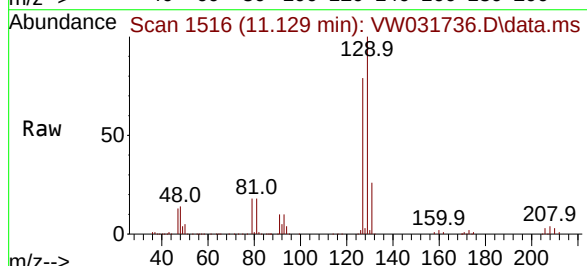
Acq: 30 Jun 2025 15:23

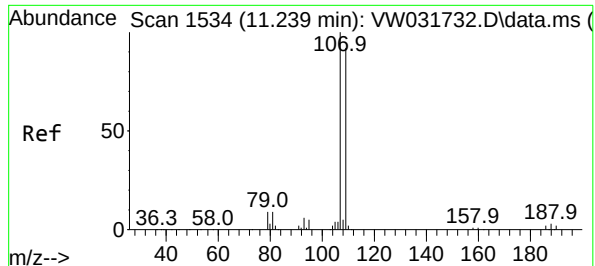
Tgt Ion:129 Resp: 149294

Ion Ratio Lower Upper

129 100

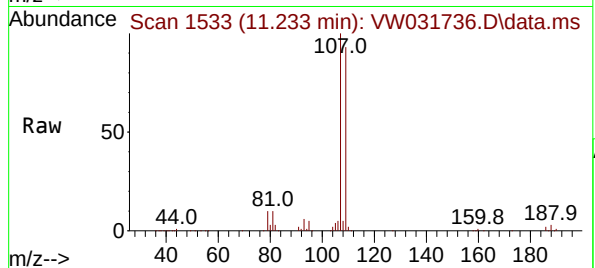
127 77.5 38.0 114.1





#61
1,2-Dibromoethane
Concen: 53.440 ug/l
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

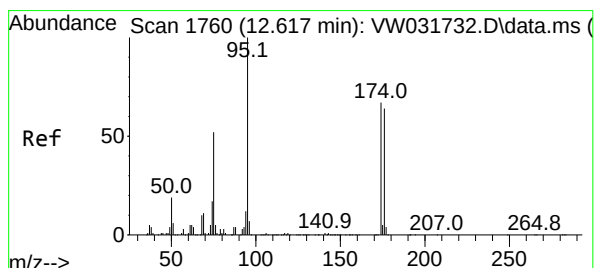
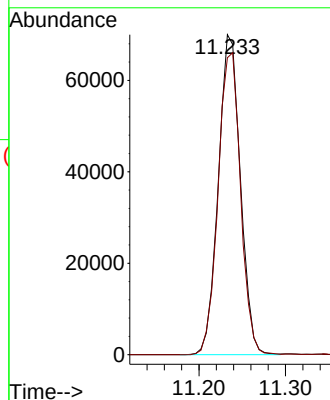
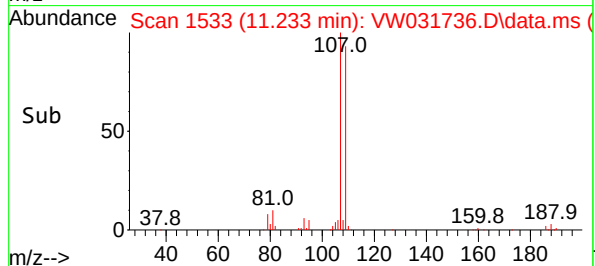
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion:107 Resp: 123748
Ion Ratio Lower Upper
107 100
109 96.0 73.9 110.9

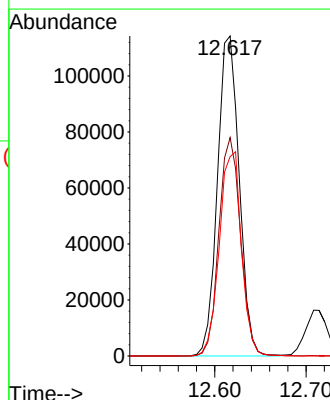
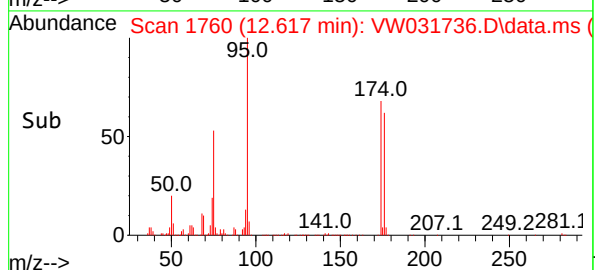
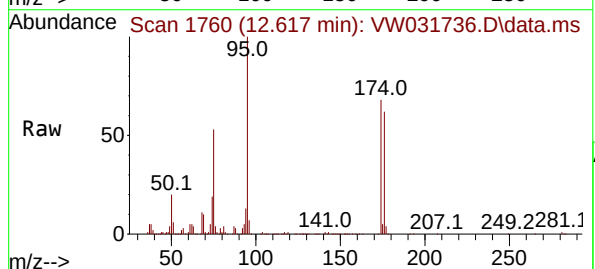
Manual Integrations
APPROVED

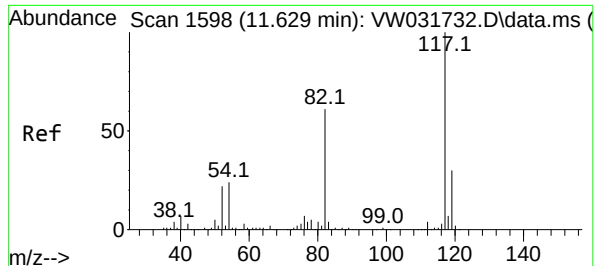
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#62
4-Bromofluorobenzene
Concen: 52.265 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 95 Resp: 189206
Ion Ratio Lower Upper
95 100
174 68.0 0.0 133.8
176 64.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion:117 Resp: 35236

Ion Ratio Lower Upper

117 100

82 57.4 48.6 72.8

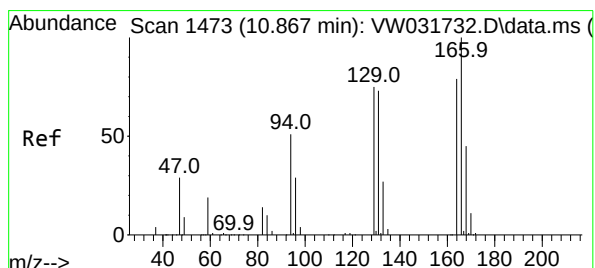
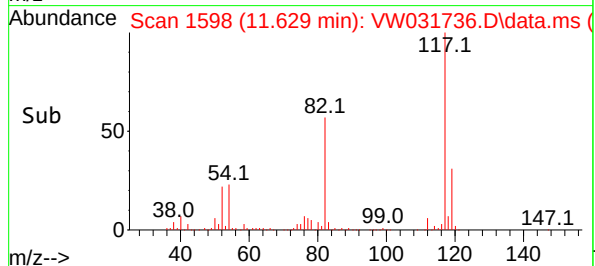
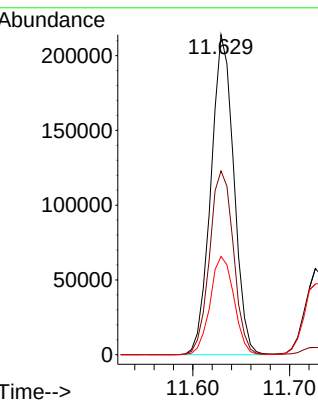
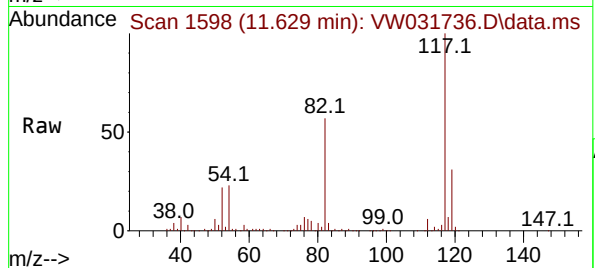
119 30.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#64

Tetrachloroethene

Concen: 52.421 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Tgt Ion:164 Resp: 120824

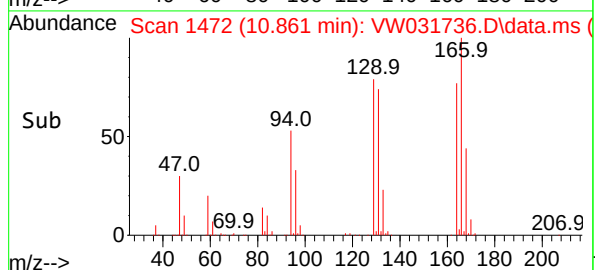
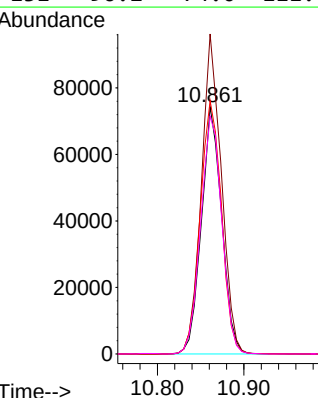
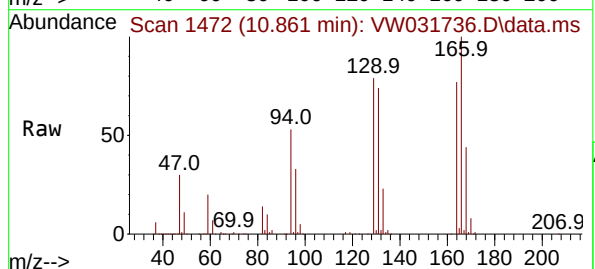
Ion Ratio Lower Upper

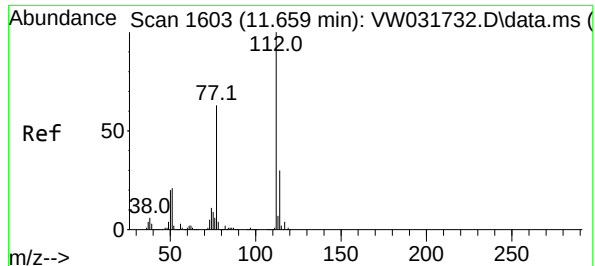
164 100

166 129.5 100.7 151.1

129 102.5 75.4 113.0

131 96.2 74.0 111.0





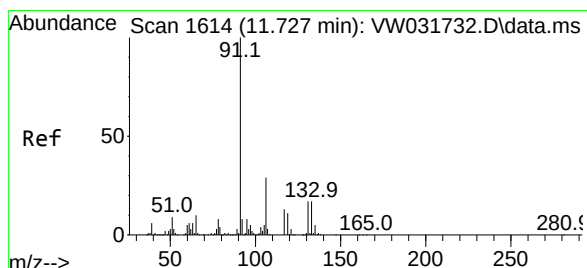
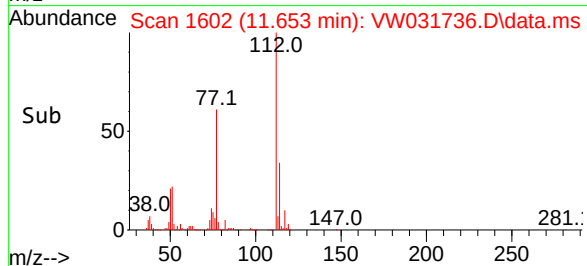
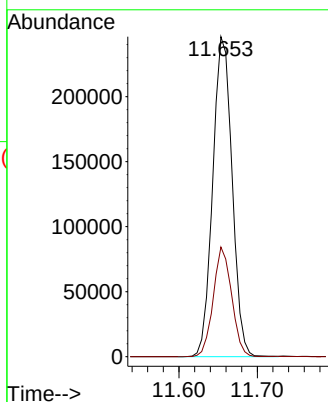
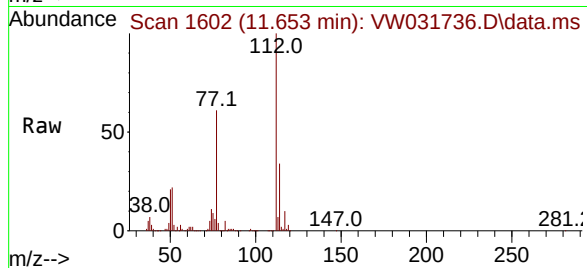
#65
Chlorobenzene
Concen: 54.443 ug/l
RT: 11.653 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:112 Resp: 42325
Ion Ratio Lower Upper
112 100
114 34.3 23.8 35.8

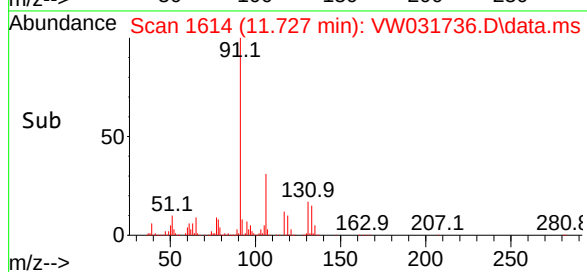
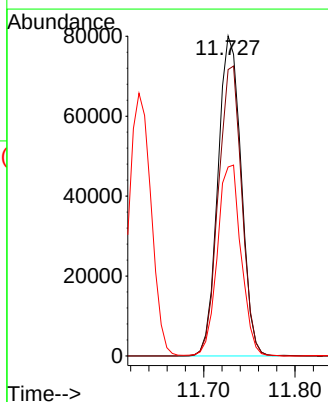
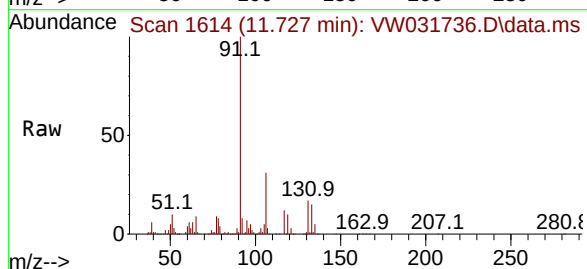
Manual Integrations
APPROVED

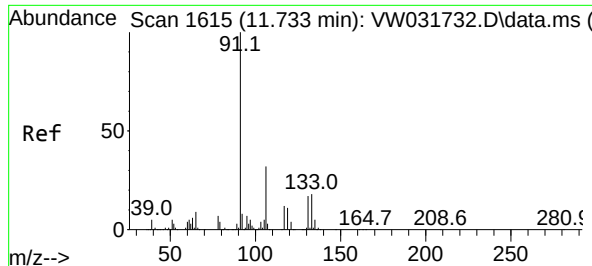
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 57.176 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:131 Resp: 141650
Ion Ratio Lower Upper
131 100
133 91.3 48.5 145.6
119 61.0 32.5 97.5





#67

Ethyl Benzene

Concen: 56.161 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 91 Resp: 75710

Ion Ratio Lower Upper

91 100

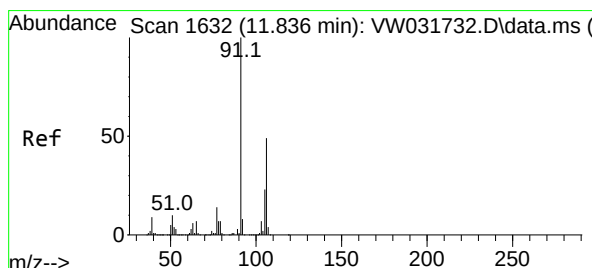
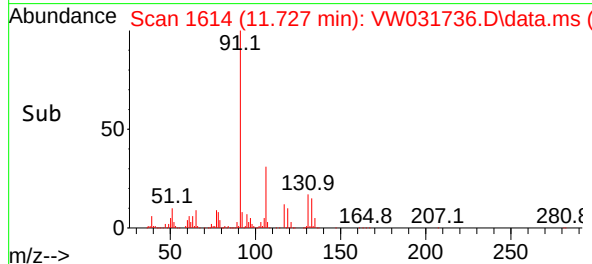
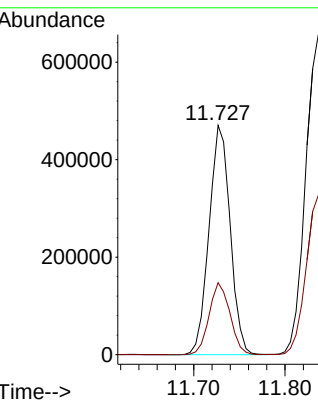
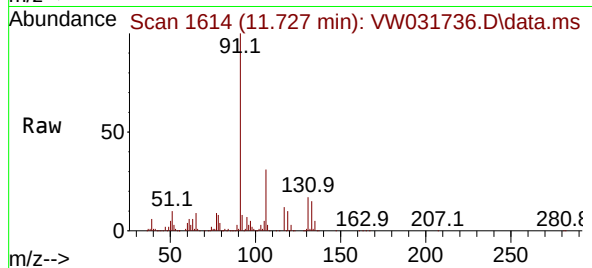
106 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#68

m/p-Xylenes

Concen: 113.903 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031736.D

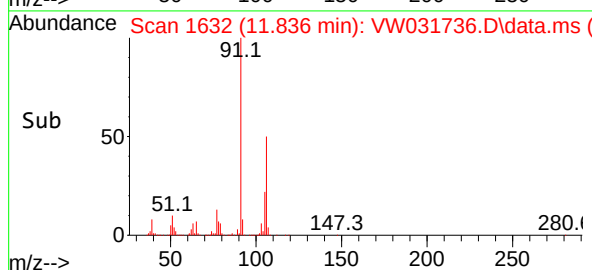
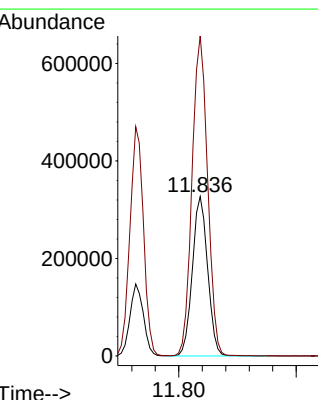
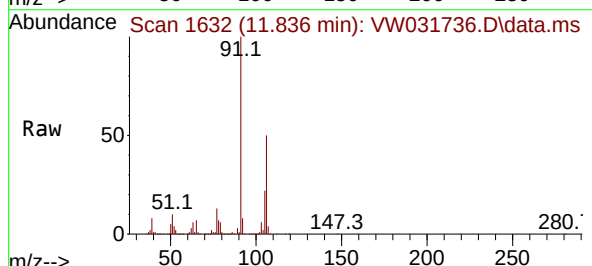
Acq: 30 Jun 2025 15:23

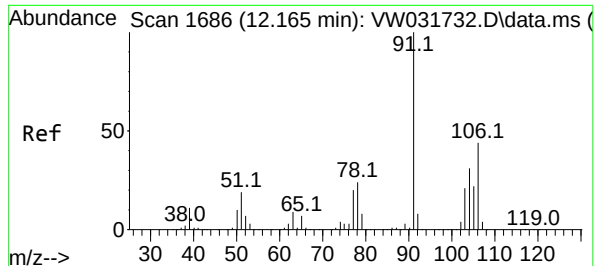
Tgt Ion:106 Resp: 590281

Ion Ratio Lower Upper

106 100

91 204.7 166.4 249.6





#69

o-Xylene

Concen: 57.208 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion:106 Resp: 274498

Ion Ratio Lower Upper

106 100

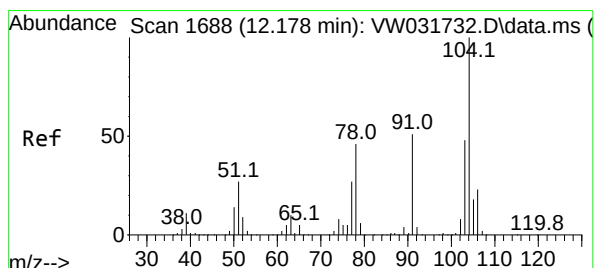
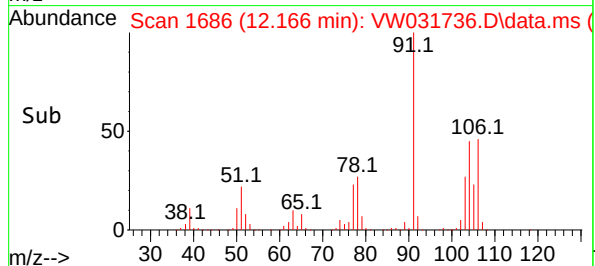
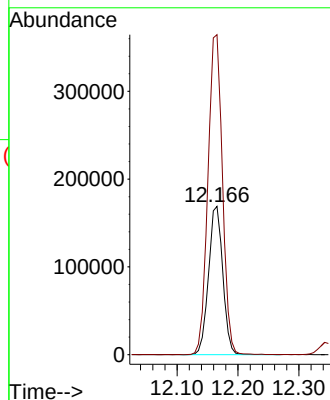
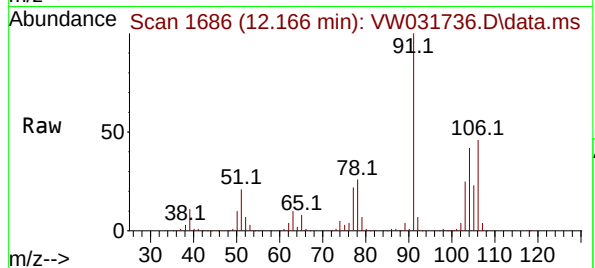
91 219.7 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#70

Styrene

Concen: 56.574 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

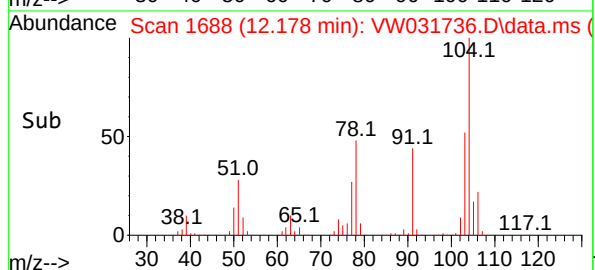
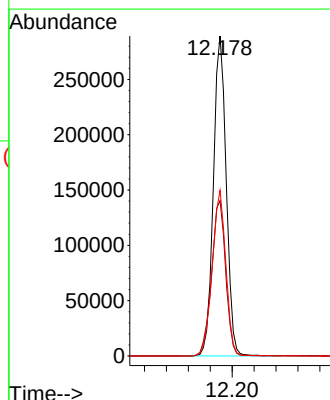
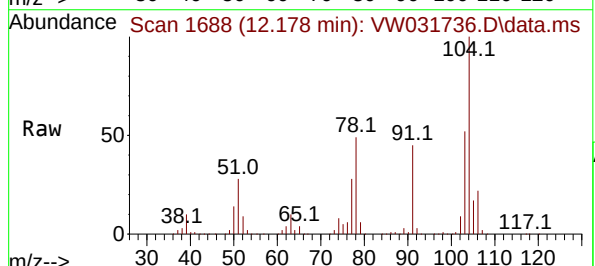
Tgt Ion:104 Resp: 469288

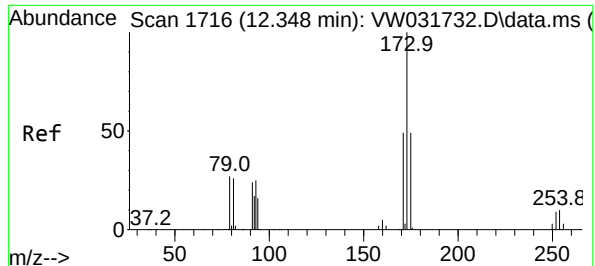
Ion Ratio Lower Upper

104 100

78 53.3 42.1 63.1

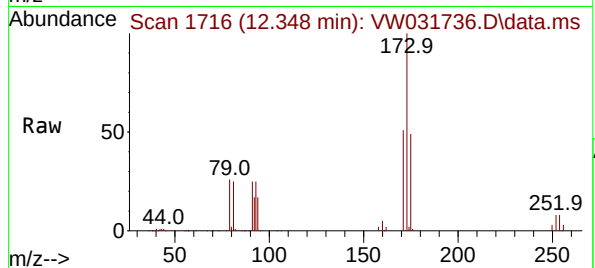
103 54.9 43.0 64.6





#71
Bromoform
Concen: 58.331 ug/l
RT: 12.348 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

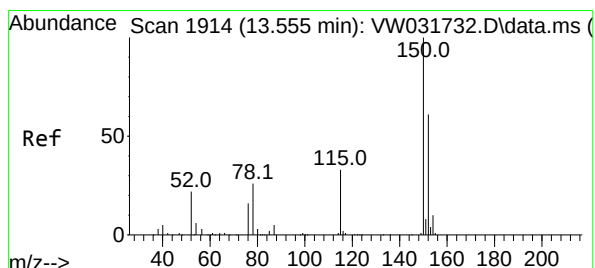
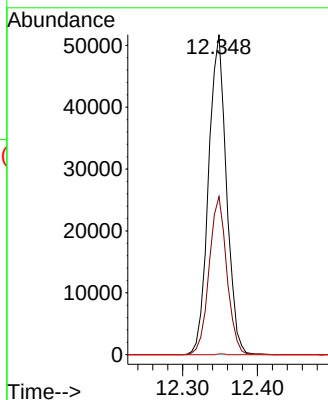
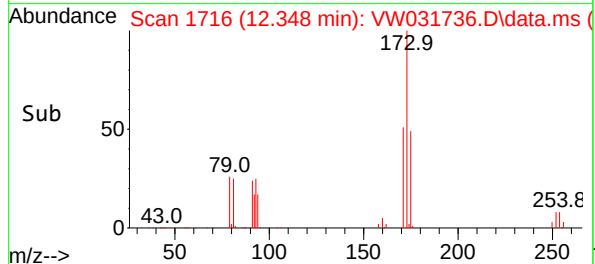
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion:173 Resp: 86209
Ion Ratio Lower Upper
173 100
175 48.9 24.0 72.0
254 0.1 0.1 0.1

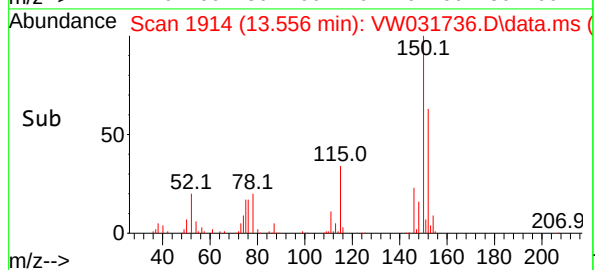
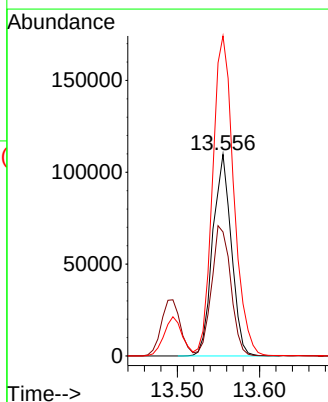
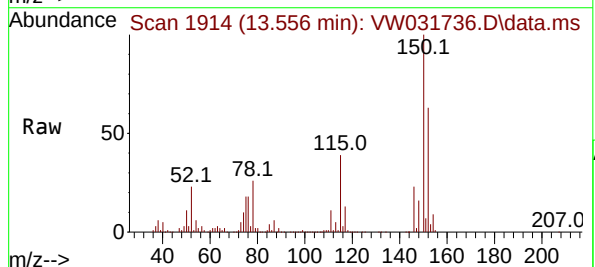
Manual Integrations
APPROVED

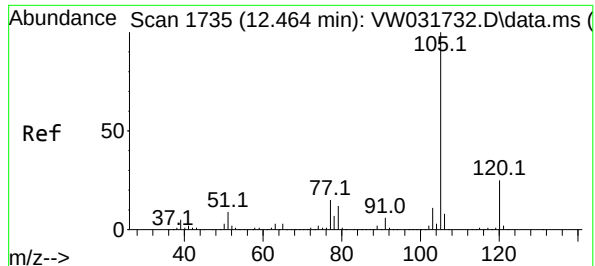
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:152 Resp: 172405
Ion Ratio Lower Upper
152 100
115 66.4 31.9 95.7
150 179.9 0.0 356.4





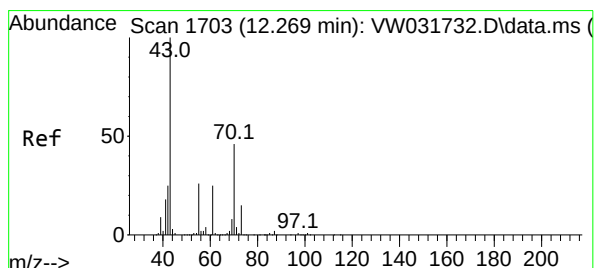
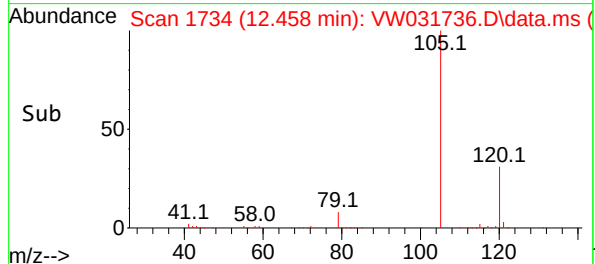
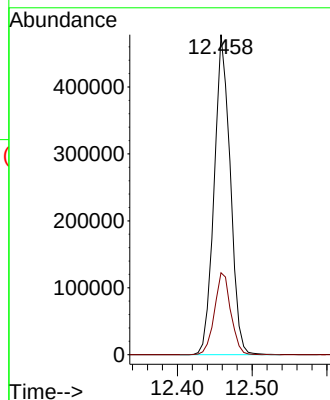
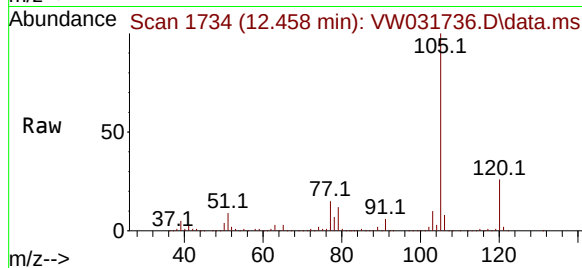
#73
Isopropylbenzene
Concen: 54.594 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion:105 Resp: 71594
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

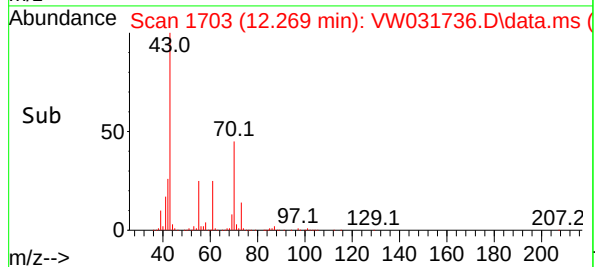
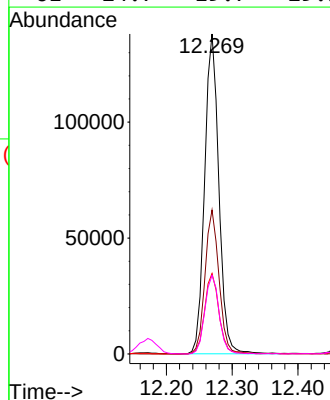
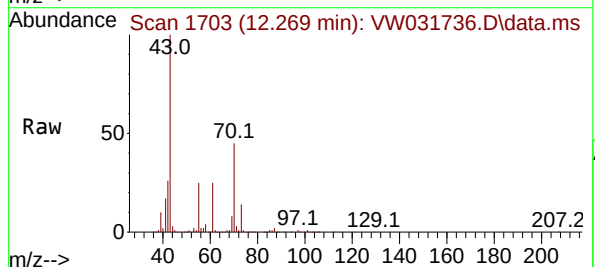
Manual Integrations
APPROVED

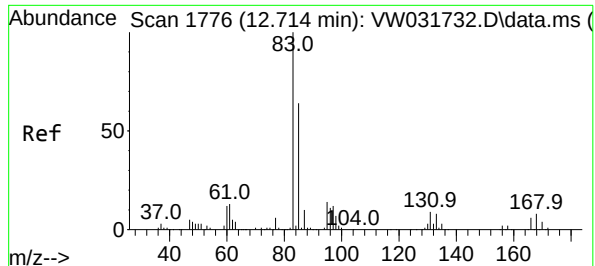
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#74
N-ethyl acetate
Concen: 58.715 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

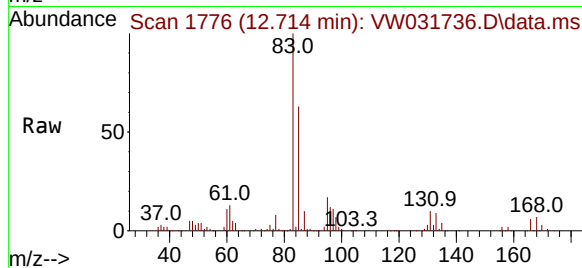
Tgt Ion: 43 Resp: 207540
Ion Ratio Lower Upper
43 100
70 44.5 36.0 54.0
55 25.5 20.8 31.2
61 24.7 19.7 29.5





#75
1,1,2-Tetrachloroethane
Concen: 54.047 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

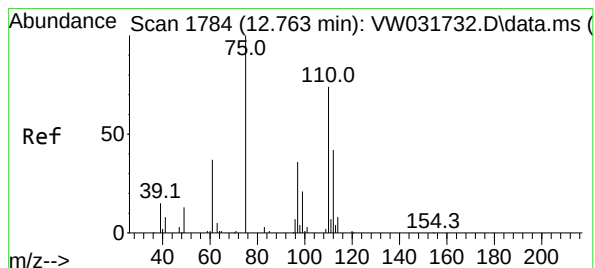
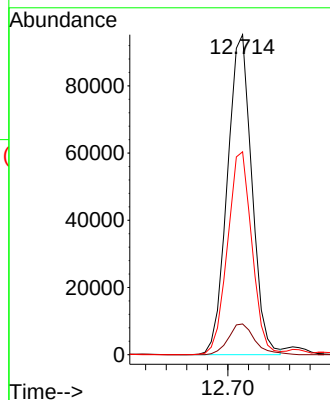
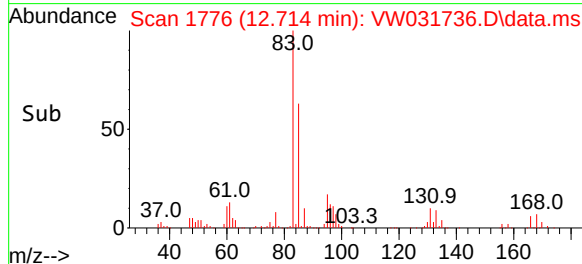
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion: 83 Resp: 157354
Ion Ratio Lower Upper
83 100
131 10.4 5.3 16.1
85 63.2 32.0 96.2

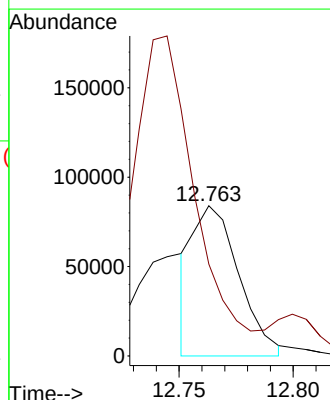
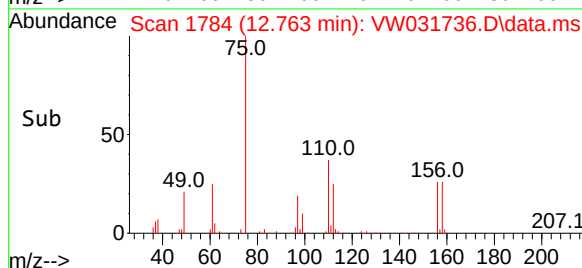
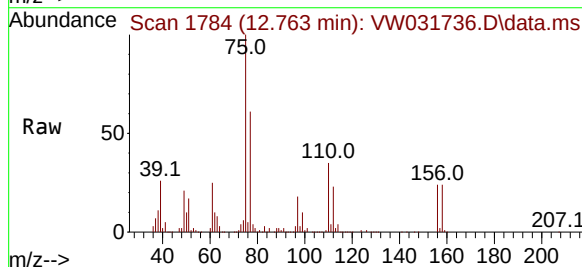
Manual Integrations
APPROVED

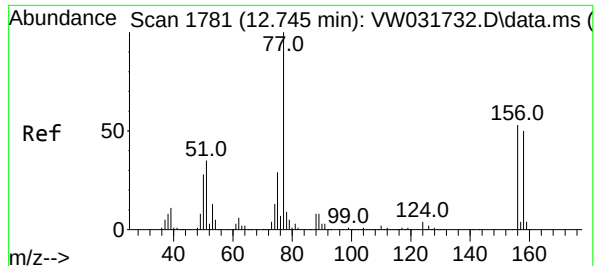
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 53.142 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 118399
Ion Ratio Lower Upper
75 100
77 287.3 141.2 423.6





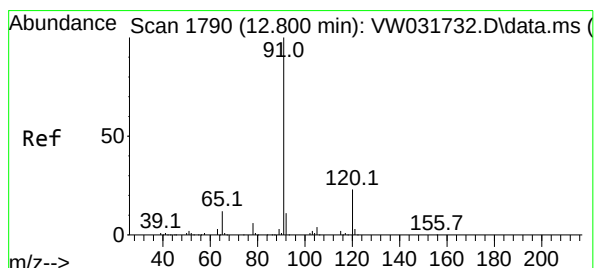
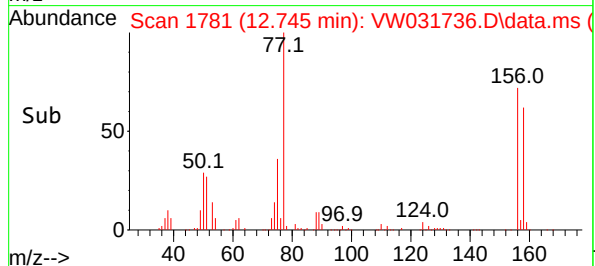
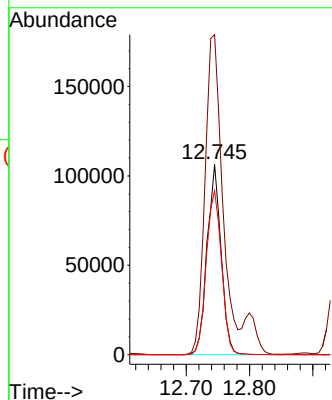
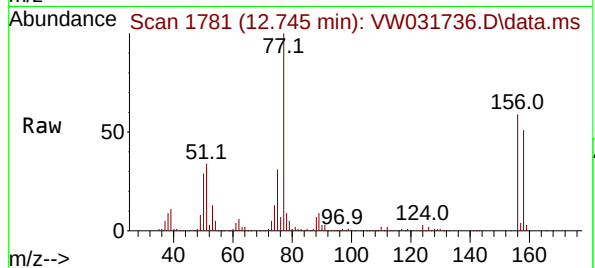
#77
Bromobenzene
Concen: 56.175 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion: 156 Resp: 164300
Ion Ratio Lower Upper
156 100
77 207.0 117.9 353.7
158 93.8 52.6 157.8

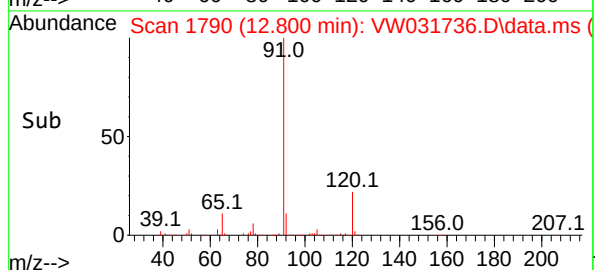
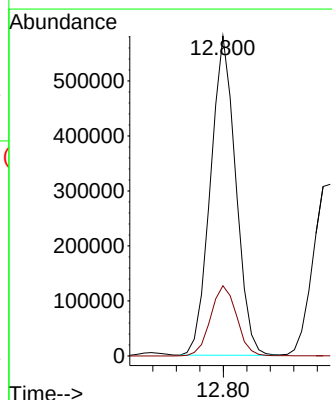
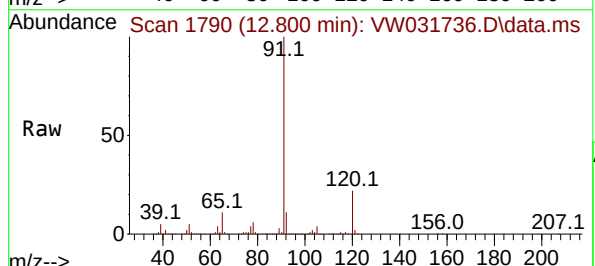
Manual Integrations
APPROVED

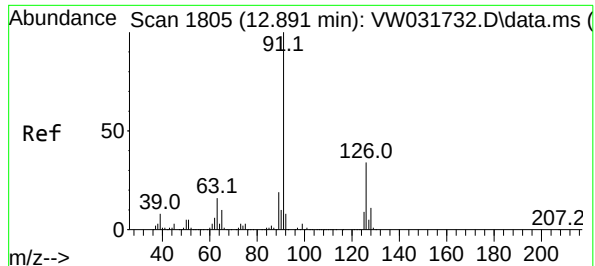
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#78
n-propylbenzene
Concen: 55.325 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 868816
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 54.514 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion: 91 Resp: 515508

Ion Ratio Lower Upper

91 100

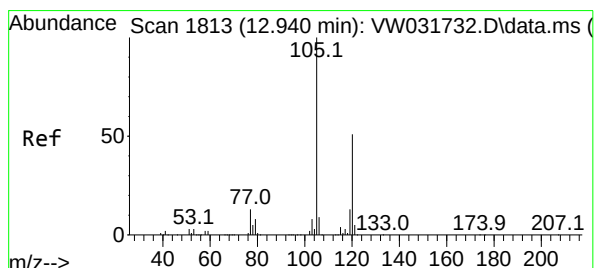
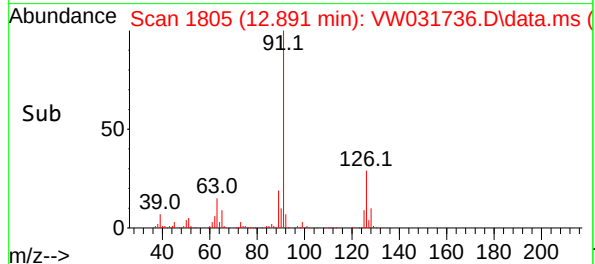
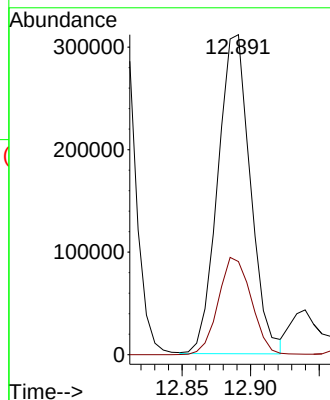
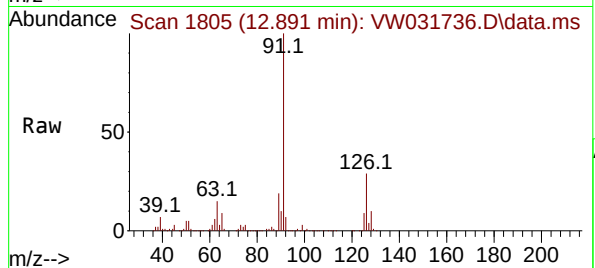
126 31.0 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 56.260 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031736.D

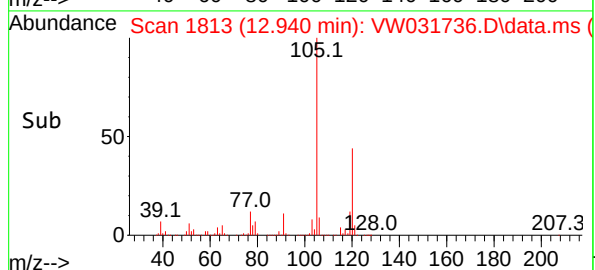
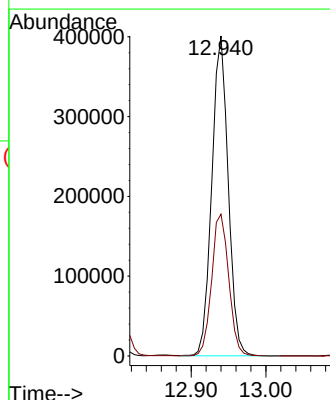
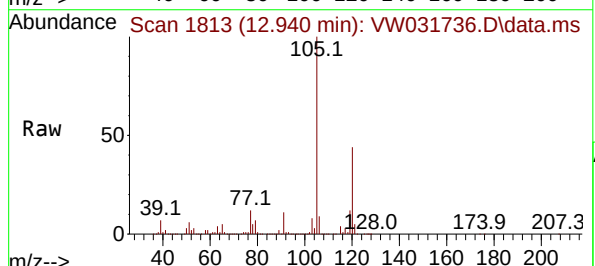
Acq: 30 Jun 2025 15:23

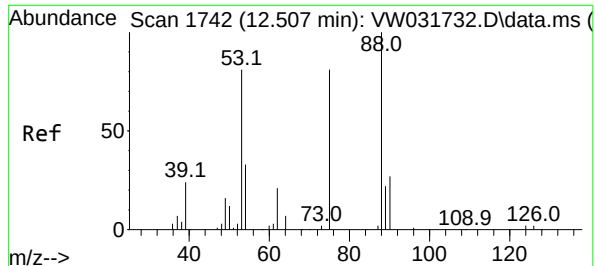
Tgt Ion:105 Resp: 610714

Ion Ratio Lower Upper

105 100

120 46.3 23.8 71.2





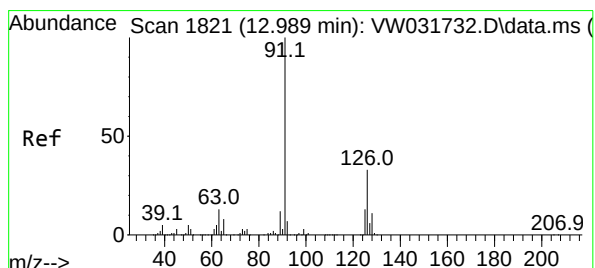
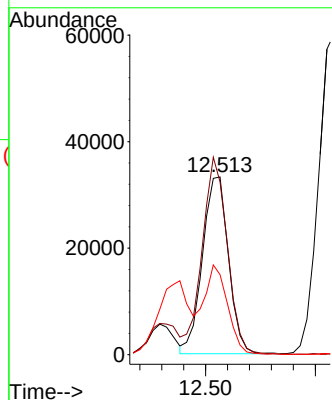
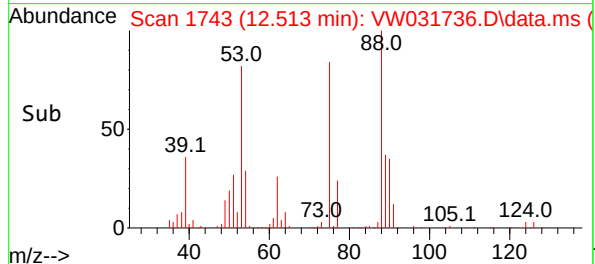
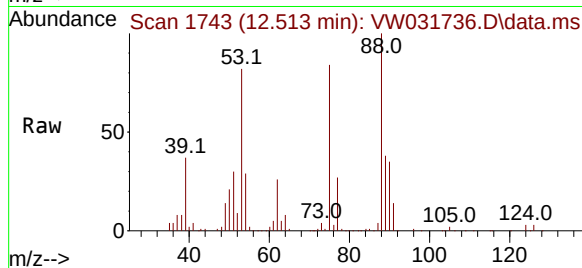
#81
trans-1,4-Dichloro-2-butene
Concen: 57.276 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Tgt Ion: 75 Resp: 5478
Ion Ratio Lower Upper
75 100
53 108.5 83.5 125.3
89 46.6 38.3 57.5

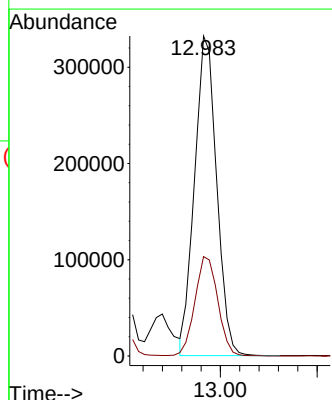
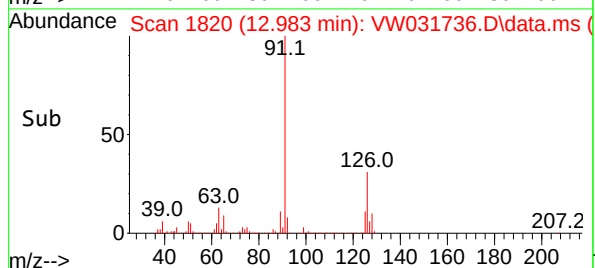
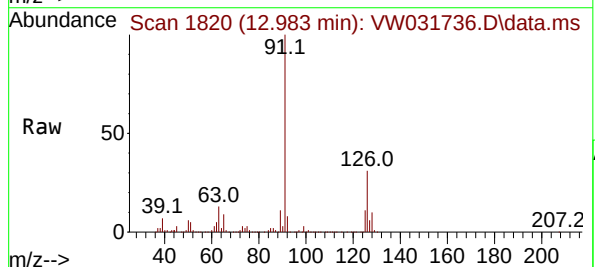
Manual Integrations
APPROVED

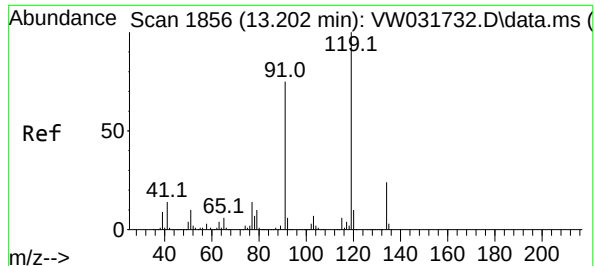
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#82
4-Chlorotoluene
Concen: 53.189 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 528072
Ion Ratio Lower Upper
91 100
126 32.3 16.0 47.9





#83

tert-Butylbenzene

Concen: 53.999 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

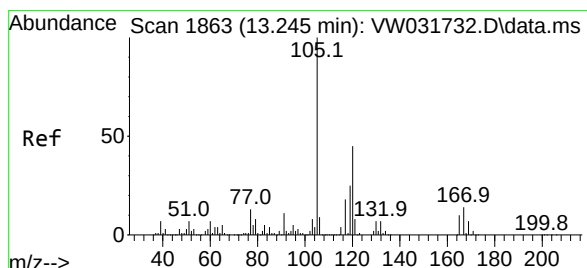
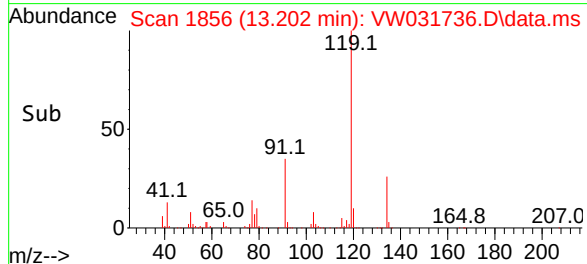
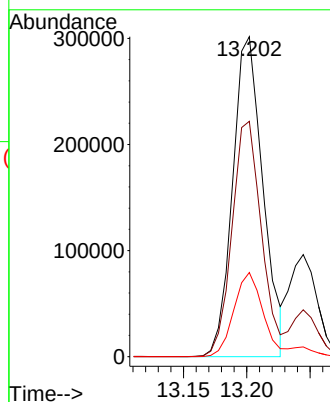
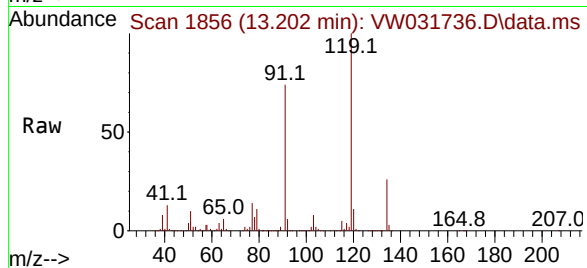
ClientSampleId :

ICVW063025

Tgt Ion:	119	Resp:	50210
Ion	Ratio	Lower	Upper
119	100		
91	71.4	36.0	108.1
134	25.5	12.4	37.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 54.815 ug/l

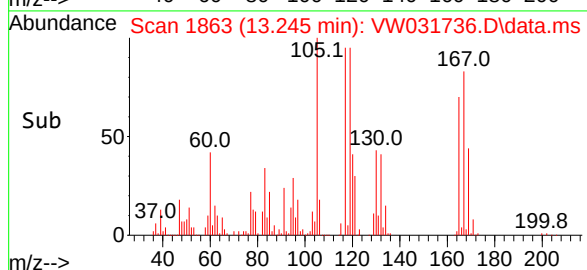
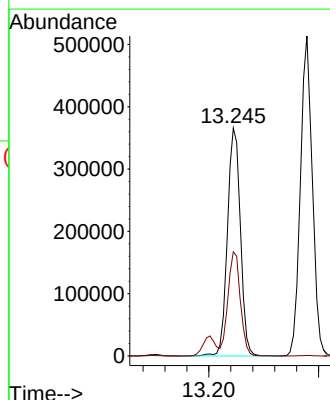
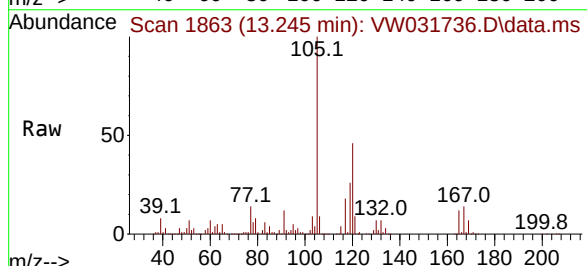
RT: 13.245 min Scan# 1863

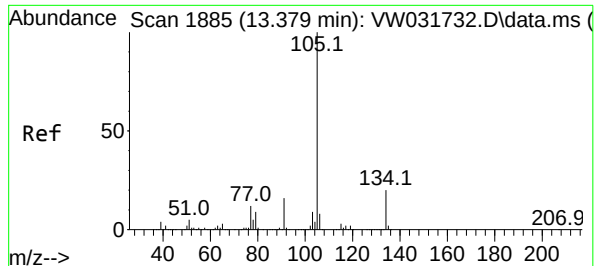
Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

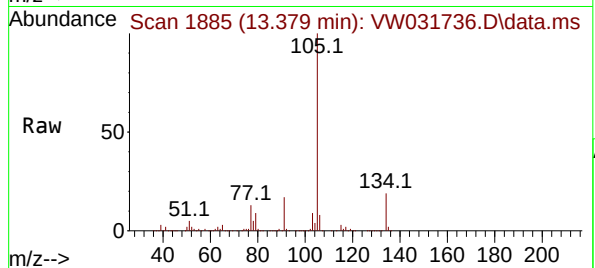
Tgt Ion:	105	Resp:	602889
Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1





#85
sec-Butylbenzene
Concen: 55.450 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

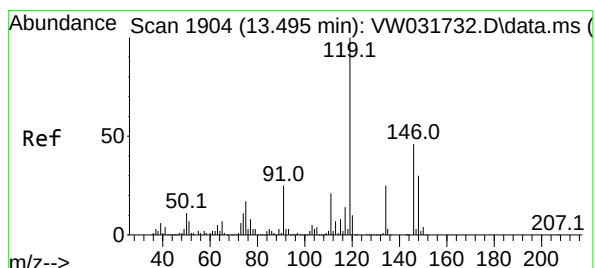
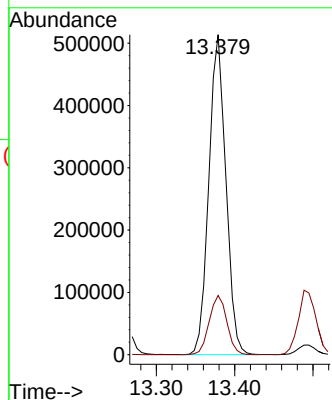
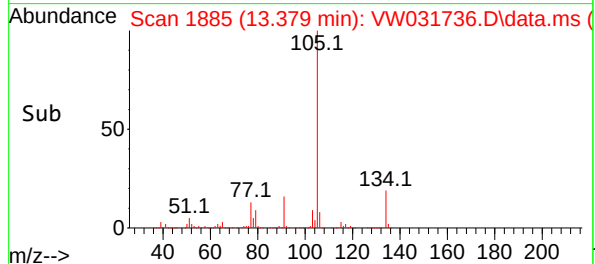
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



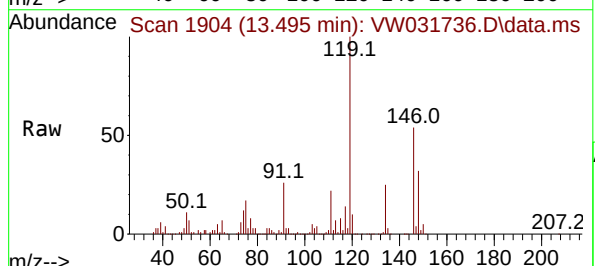
Tgt Ion:105 Resp: 773900
Ion Ratio Lower Upper
105 100
134 19.2 9.6 28.8

Manual Integrations
APPROVED

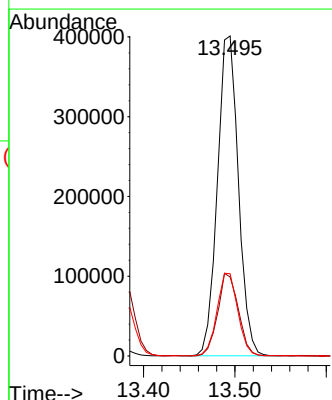
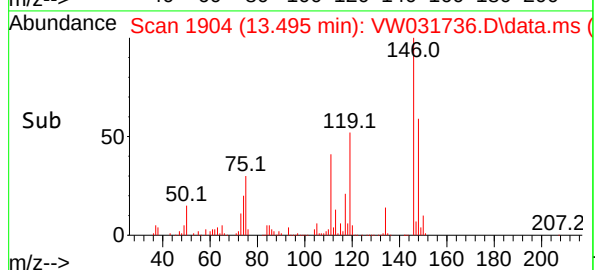
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

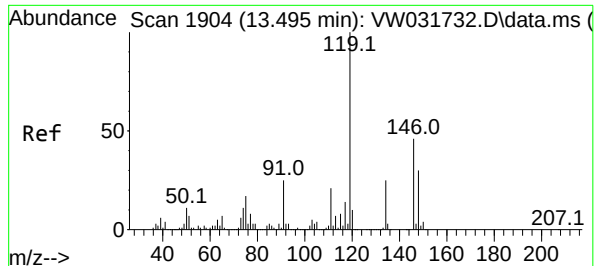


#86
p-Isopropyltoluene
Concen: 55.591 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23



Tgt Ion:119 Resp: 639419
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.7
91 25.6 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 54.762 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion:146 Resp: 321218

Ion Ratio Lower Upper

146 100

111 43.0 22.3 66.9

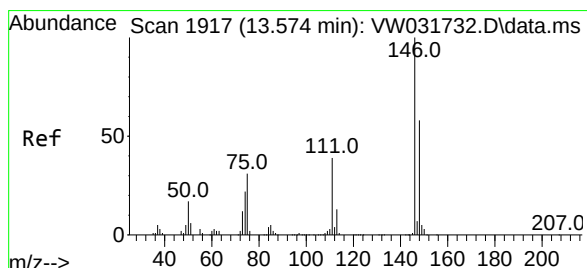
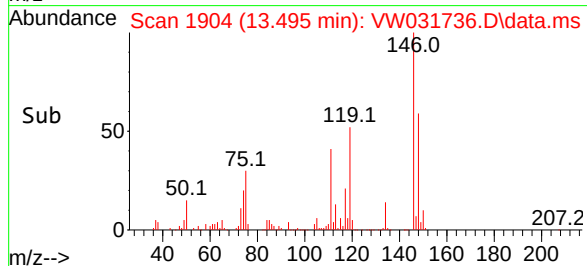
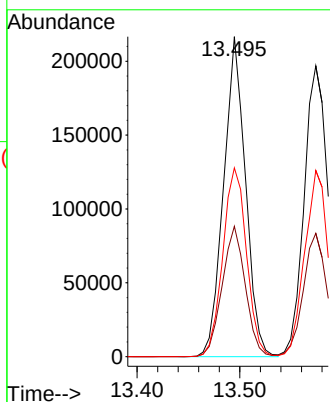
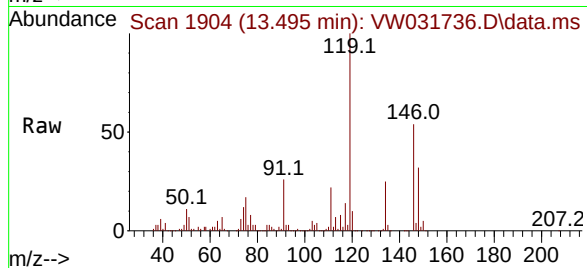
148 63.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#88

1,4-Dichlorobenzene

Concen: 52.771 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

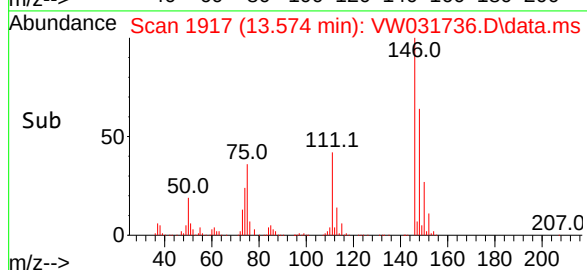
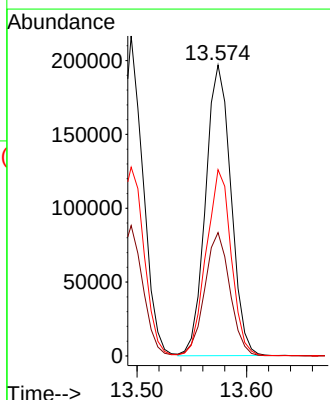
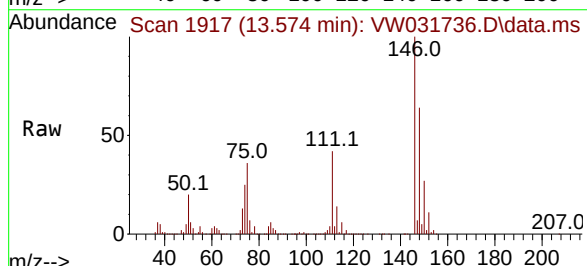
Tgt Ion:146 Resp: 316827

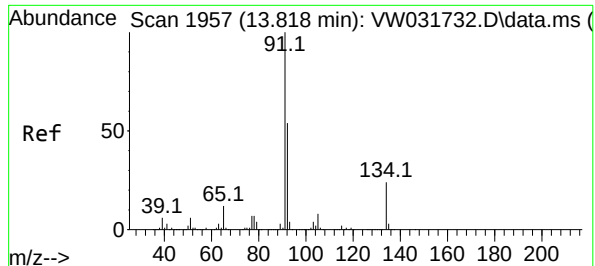
Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.3

148 63.4 30.2 90.6





#89

n-Butylbenzene

Concen: 56.443 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

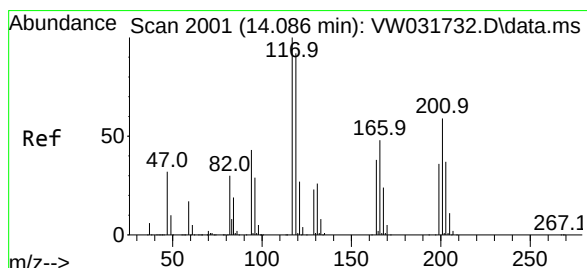
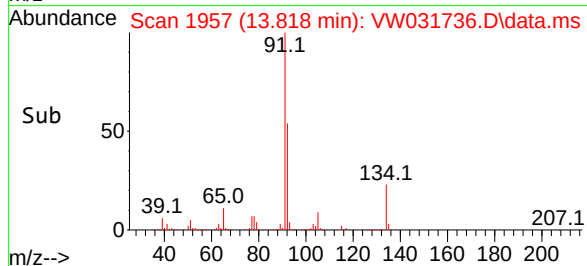
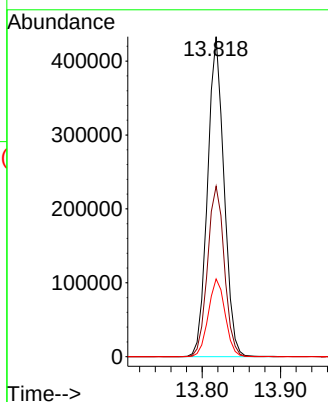
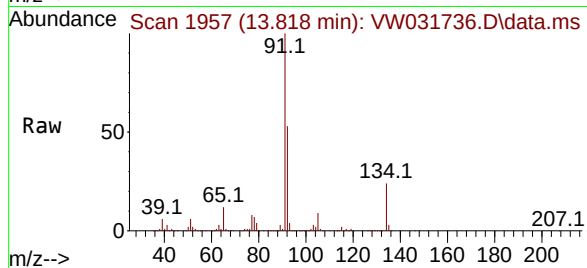
ClientSampleId :

ICVW063025

Tgt Ion:	91	Resp:	630792
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.5
134	24.9	12.2	36.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#90

Hexachloroethane

Concen: 56.049 ug/l

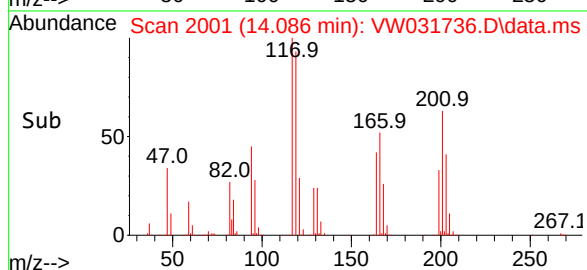
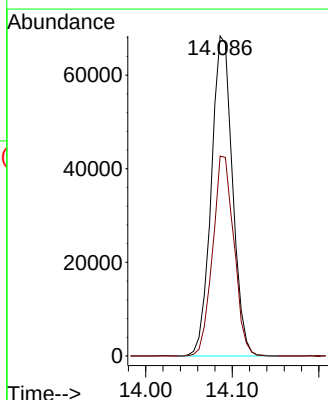
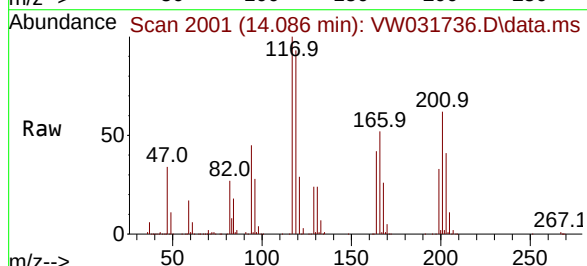
RT: 14.086 min Scan# 2001

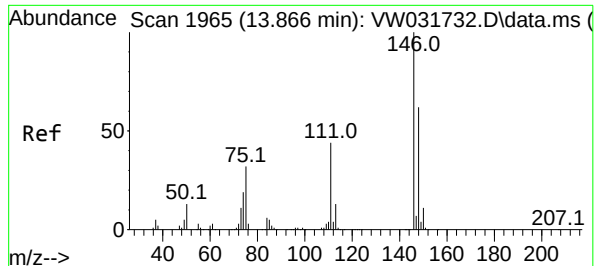
Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

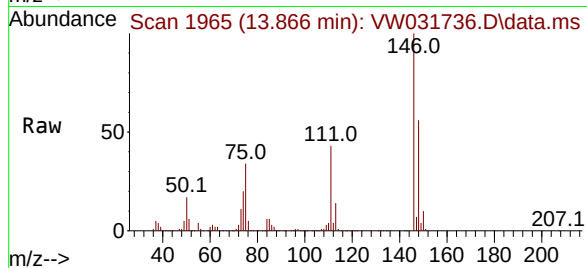
Tgt Ion:	117	Resp:	116309
Ion	Ratio	Lower	Upper
117	100		
201	62.7	31.1	93.3





#91
1,2-Dichlorobenzene
Concen: 54.274 ug/l
RT: 13.866 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

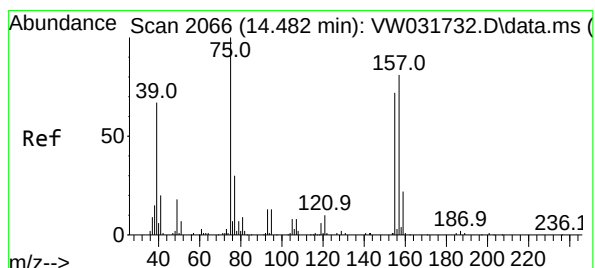
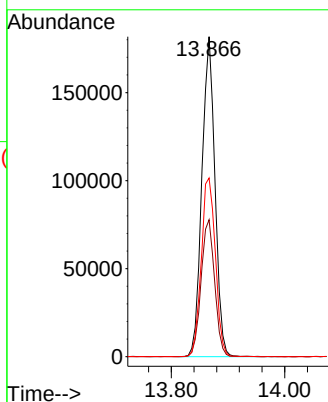
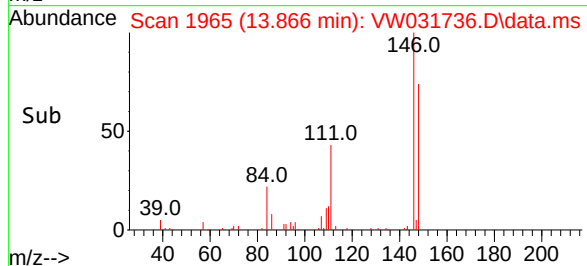
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



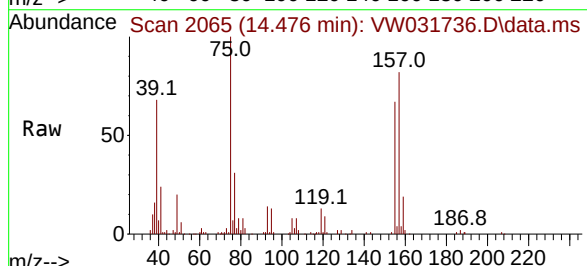
Tgt Ion:146 Resp: 29097
Ion Ratio Lower Upper
146 100
111 44.4 21.7 65.1
148 60.3 29.8 89.5

Manual Integrations
APPROVED

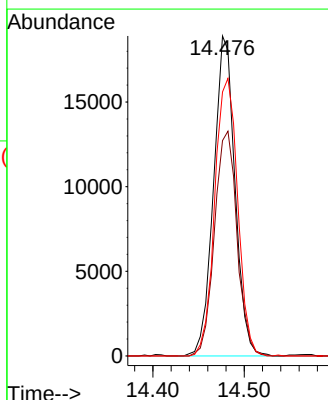
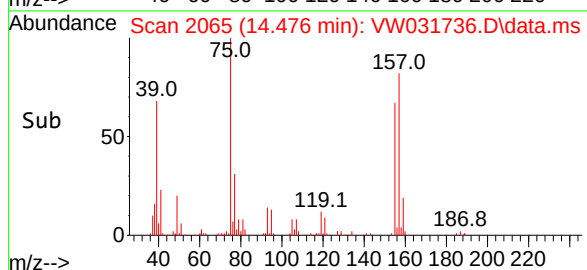
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

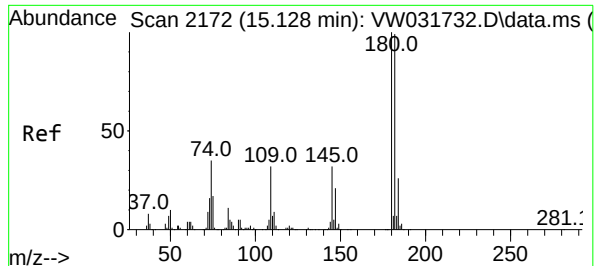


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.174 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23



Tgt Ion: 75 Resp: 30797
Ion Ratio Lower Upper
75 100
155 73.9 37.2 111.6
157 92.6 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 57.742 ug/l

RT: 15.122 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

Instrument :

MSVOA_W

ClientSampleId :

ICVW063025

Tgt Ion:180 Resp: 190910

Ion Ratio Lower Upper

180 100

182 92.7 48.6 145.9

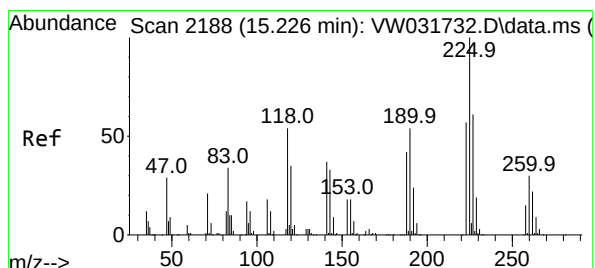
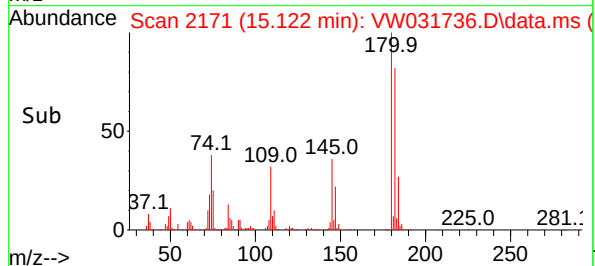
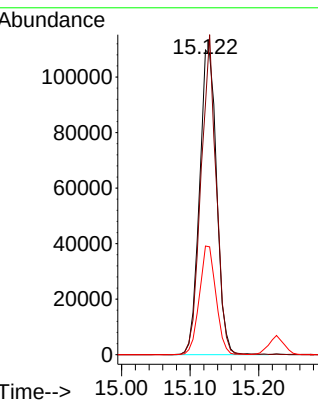
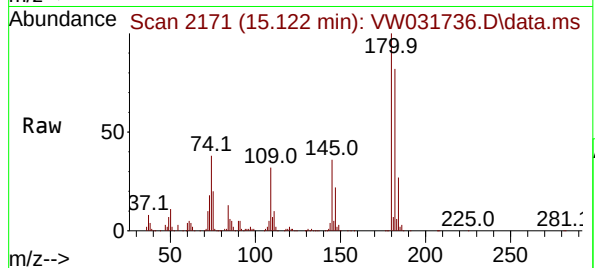
145 34.5 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025

Supervised By :Semsettin Yesilyurt 07/01/2025



#94

Hexachlorobutadiene

Concen: 57.772 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031736.D

Acq: 30 Jun 2025 15:23

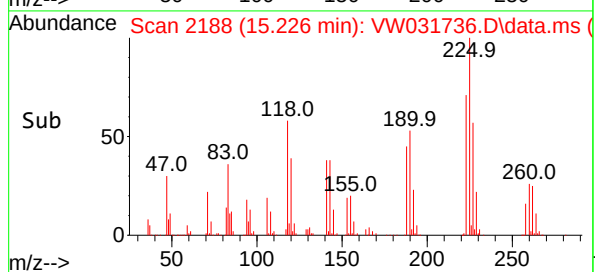
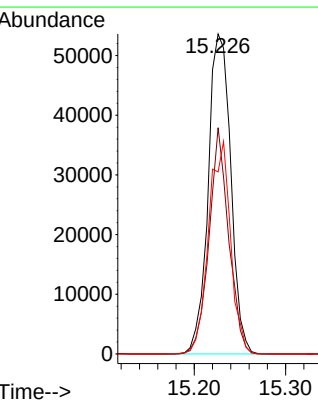
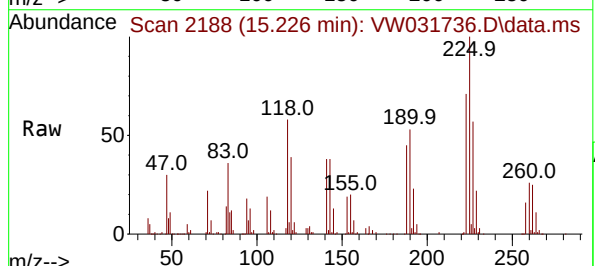
Tgt Ion:225 Resp: 92237

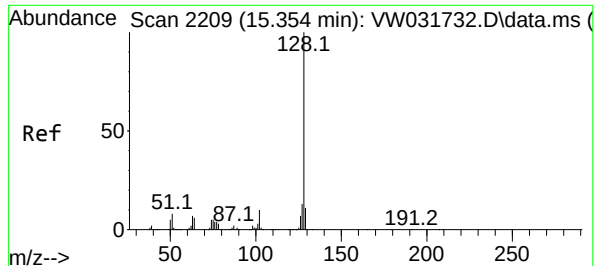
Ion Ratio Lower Upper

225 100

223 61.5 32.6 97.8

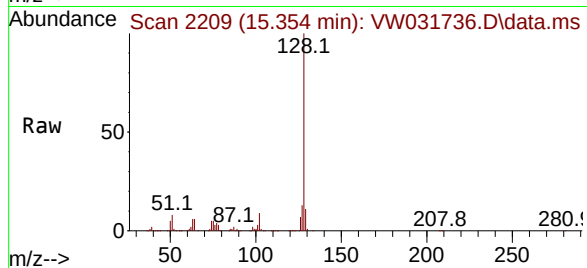
227 64.4 37.3 111.8





#95
Naphthalene
Concen: 56.915 ug/l
RT: 15.354 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

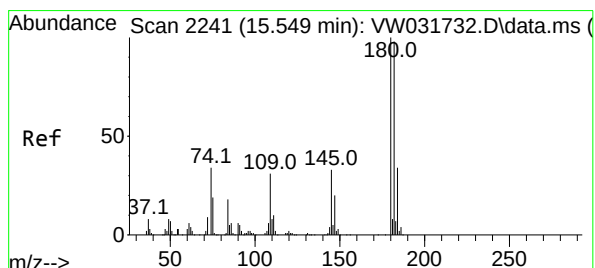
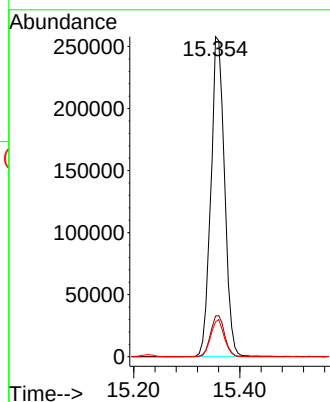
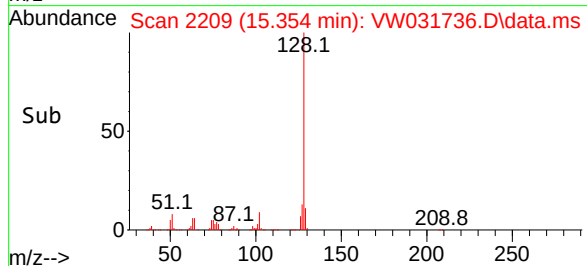
Instrument :
MSVOA_W
ClientSampleId :
ICVW063025



Tgt Ion:128 Resp: 461350
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.4 8.7 13.1

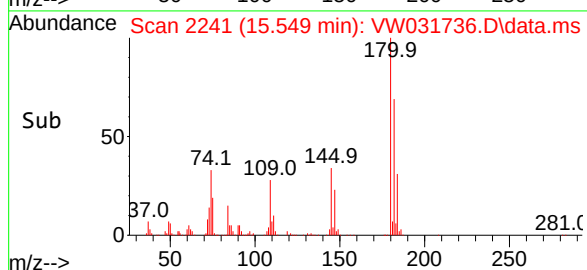
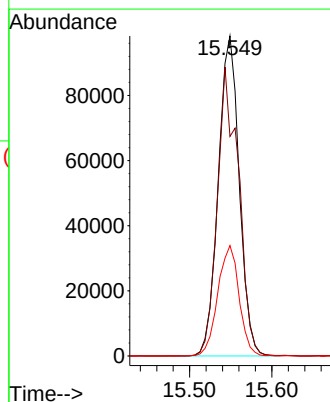
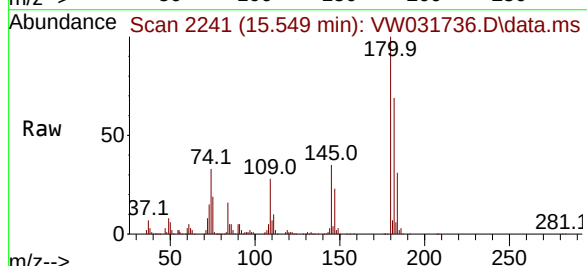
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 57.366 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:180 Resp: 174283
Ion Ratio Lower Upper
180 100
182 91.6 46.4 139.1
145 35.1 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	0.341	0.349	-2.3	115	0.00
3 P	Chloromethane	0.411	0.421	-2.4	114	0.00
4 C	Vinyl Chloride	0.540	0.564	-4.4#	112	0.00
5 T	Bromomethane	0.421	0.414	1.7	106	0.00
6 T	Chloroethane	0.367	0.372	-1.4	109	0.00
7 T	Trichlorofluoromethane	0.490	0.450	8.2	98	0.00
8 T	Diethyl Ether	0.372	0.374	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.556	-2.2	111	-0.01
10 T	Methyl Iodide	0.839	0.858	-2.3	107	0.00
11 T	Tert butyl alcohol	0.044	0.049	-11.4	106	0.00
12 CM	1,1-Dichloroethene	0.596	0.608	-2.0#	112	0.00
13 T	Acrolein	0.080	0.076	5.0	93	0.00
14 T	Allyl chloride	0.914	0.978	-7.0	111	0.00
15 T	Acrylonitrile	0.183	0.193	-5.5	103	0.00
16 T	Acetone	0.177	0.182	-2.8	114	0.00
17 T	Carbon Disulfide	1.594	1.629	-2.2	108	0.00
18 T	Methyl Acetate	0.507	0.484	4.5	93	0.00
19 T	Methyl tert-butyl Ether	1.011	1.091	-7.9	108	0.00
20 T	Methylene Chloride	0.814	0.726	10.8	107	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.657	-3.8	109	0.00
22 T	Diisopropyl ether	1.783	1.905	-6.8	108	-0.01
23 T	Vinyl Acetate	1.218	1.363	-11.9	111	0.00
24 P	1,1-Dichloroethane	1.156	1.206	-4.3	110	0.00
25 T	2-Butanone	0.231	0.259	-12.1	106	0.00
26 T	2,2-Dichloropropane	0.674	0.691	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	0.728	0.767	-5.4	109	0.00
28 T	Bromochloromethane	0.510	0.517	-1.4	104	0.00
29 T	Tetrahydrofuran	0.158	0.172	-8.9	105	0.00
30 C	Chloroform	1.228	1.273	-3.7#	108	0.00
31 T	Cyclohexane	1.022	1.028	-0.6	112	0.00
32 T	1,1,1-Trichloroethane	0.946	0.992	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	0.718	0.716	0.3	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.326	0.320	1.8	99	0.00
36 T	1,1-Dichloropropene	0.472	0.512	-8.5	112	0.00
37 T	Ethyl Acetate	0.298	0.335	-12.4	111	-0.01
38 T	Carbon Tetrachloride	0.481	0.521	-8.3	113	0.00
39 T	Methylcyclohexane	0.587	0.645	-9.9	114	0.00
40 TM	Benzene	1.397	1.483	-6.2	108	0.00
41 T	Methacrylonitrile	0.160	0.189	-18.1	109	0.00
42 TM	1,2-Dichloroethane	0.472	0.497	-5.3	107	0.00
43 T	Isopropyl Acetate	0.513	0.579	-12.9	108	0.00
44 TM	Trichloroethene	0.349	0.365	-4.6	106	0.00
45 C	1,2-Dichloropropane	0.338	0.352	-4.1#	106	0.00
46 T	Dibromomethane	0.218	0.229	-5.0	105	0.00
47 T	Bromodichloromethane	0.511	0.550	-7.6	108	0.00
48 T	Methyl methacrylate	0.252	0.294	-16.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	106	0.00
50 S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.330	-11.9	105	0.00
52 CM	Toluene	0.894	0.975	-9.1#	111	0.00
53 T	t-1,3-Dichloropropene	0.480	0.538	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.600	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	0.286	0.307	-7.3	108	0.00
56 T	Ethyl methacrylate	0.387	0.451	-16.5	110	0.00
57 T	1,3-Dichloropropane	0.501	0.521	-4.0	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.240	-12.7	107	0.00
59 T	2-Hexanone	0.200	0.226	-13.0	103	0.00
60 T	Dibromochloromethane	0.341	0.369	-8.2	105	0.00
61 T	1,2-Dibromoethane	0.286	0.305	-6.6	106	0.00
62 S	4-Bromofluorobenzene	0.447	0.467	-4.5	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.327	0.343	-4.9	106	0.00
65 PM	Chlorobenzene	1.103	1.201	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.402	-14.2	111	0.00
67 C	Ethyl Benzene	1.913	2.149	-12.3#	110	0.00
68 T	m/p-Xylenes	0.735	0.838	-14.0	112	0.00
69 T	o-Xylene	0.681	0.779	-14.4	111	0.00
70 T	Styrene	1.177	1.332	-13.2	107	0.00
71 P	Bromoform	0.210	0.245	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.803	4.153	-9.2	110	0.00
74 T	N-amyl acetate	1.025	1.204	-17.5	112	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.913	-8.2	107	0.00
76 T	1,2,3-Trichloropropane	0.646	0.687	-6.3	104	0.00
77 T	Bromobenzene	0.848	0.953	-12.4	121	0.00
78 T	n-propylbenzene	4.554	5.039	-10.6	112	0.00
79 T	2-Chlorotoluene	2.743	2.990	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.542	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.318	-14.8	108	0.00
82 T	4-Chlorotoluene	2.879	3.063	-6.4	107	0.00
83 T	tert-Butylbenzene	2.697	2.912	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.497	-9.6	111	0.00
85 T	sec-Butylbenzene	4.048	4.489	-10.9	111	0.00
86 T	p-Isopropyltoluene	3.336	3.709	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	1.701	1.863	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	1.741	1.838	-5.6	107	0.00
89 T	n-Butylbenzene	3.241	3.659	-12.9	114	0.00
90 T	Hexachloroethane	0.602	0.675	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	1.555	1.688	-8.6	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	106	0.00
93 T	1,2,4-Trichlorobenzene	0.959	1.107	-15.4	117	0.00
94 T	Hexachlorobutadiene	0.463	0.535	-15.6	128	0.00
95 T	Naphthalene	2.351	2.676	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	1.011	-14.8	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	50.000	51.196	-2.4	115	0.00
3 P	Chloromethane	50.000	51.243	-2.5	114	0.00
4 C	Vinyl Chloride	50.000	52.290	-4.6#	112	0.00
5 T	Bromomethane	50.000	49.075	1.8	106	0.00
6 T	Chloroethane	50.000	50.785	-1.6	109	0.00
7 T	Trichlorofluoromethane	50.000	45.877	8.2	98	0.00
8 T	Diethyl Ether	50.000	50.236	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.130	-2.3	111	-0.01
10 T	Methyl Iodide	50.000	51.168	-2.3	107	0.00
11 T	Tert butyl alcohol	250.000	273.466	-9.4	106	0.00
12 CM	1,1-Dichloroethene	50.000	51.057	-2.1#	112	0.00
13 T	Acrolein	250.000	238.183	4.7	93	0.00
14 T	Allyl chloride	50.000	53.493	-7.0	111	0.00
15 T	Acrylonitrile	250.000	263.111	-5.2	103	0.00
16 T	Acetone	250.000	255.933	-2.4	114	0.00
17 T	Carbon Disulfide	50.000	51.079	-2.2	108	0.00
18 T	Methyl Acetate	50.000	47.723	4.6	93	0.00
19 T	Methyl tert-butyl Ether	50.000	53.936	-7.9	108	0.00
20 T	Methylene Chloride	50.000	51.478	-3.0	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.856	-3.7	109	0.00
22 T	Diisopropyl ether	50.000	53.419	-6.8	108	-0.01
23 T	Vinyl Acetate	250.000	279.810	-11.9	111	0.00
24 P	1,1-Dichloroethane	50.000	52.150	-4.3	110	0.00
25 T	2-Butanone	250.000	280.206	-12.1	106	0.00
26 T	2,2-Dichloropropane	50.000	51.263	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	50.000	52.697	-5.4	109	0.00
28 T	Bromochloromethane	50.000	50.675	-1.3	104	0.00
29 T	Tetrahydrofuran	250.000	272.901	-9.2	105	0.00
30 C	Chloroform	50.000	51.829	-3.7#	108	0.00
31 T	Cyclohexane	50.000	50.326	-0.7	112	0.00
32 T	1,1,1-Trichloroethane	50.000	52.429	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	50.000	49.923	0.2	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	49.107	1.8	99	0.00
36 T	1,1-Dichloropropene	50.000	54.256	-8.5	112	0.00
37 T	Ethyl Acetate	50.000	56.224	-12.4	111	-0.01
38 T	Carbon Tetrachloride	50.000	54.165	-8.3	113	0.00
39 T	Methylcyclohexane	50.000	54.897	-9.8	114	0.00
40 TM	Benzene	50.000	53.078	-6.2	108	0.00
41 T	Methacrylonitrile	50.000	59.345	-18.7	109	0.00
42 TM	1,2-Dichloroethane	50.000	52.674	-5.3	107	0.00
43 T	Isopropyl Acetate	50.000	56.382	-12.8	108	0.00
44 TM	Trichloroethene	50.000	52.391	-4.8	106	0.00
45 C	1,2-Dichloropropane	50.000	52.122	-4.2#	106	0.00
46 T	Dibromomethane	50.000	52.504	-5.0	105	0.00
47 T	Bromodichloromethane	50.000	53.804	-7.6	108	0.00
48 T	Methyl methacrylate	50.000	58.260	-16.5	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	1062.966	-6.3	106	0.00
50 S	Toluene-d8	50.000	50.552	-1.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	279.124	-11.6	105	0.00
52 CM	Toluene	50.000	54.503	-9.0#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	56.049	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.157	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	50.000	53.844	-7.7	108	0.00
56 T	Ethyl methacrylate	50.000	58.189	-16.4	110	0.00
57 T	1,3-Dichloropropane	50.000	51.971	-3.9	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	281.479	-12.6	107	0.00
59 T	2-Hexanone	250.000	282.722	-13.1	103	0.00
60 T	Dibromochloromethane	50.000	53.973	-7.9	105	0.00
61 T	1,2-Dibromoethane	50.000	53.440	-6.9	106	0.00
62 S	4-Bromofluorobenzene	50.000	52.265	-4.5	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	52.421	-4.8	106	0.00
65 PM	Chlorobenzene	50.000	54.443	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.176	-14.4	111	0.00
67 C	Ethyl Benzene	50.000	56.161	-12.3#	110	0.00
68 T	m/p-Xylenes	100.000	113.903	-13.9	112	0.00
69 T	o-Xylene	50.000	57.208	-14.4	111	0.00
70 T	Styrene	50.000	56.574	-13.1	107	0.00
71 P	Bromoform	50.000	58.331	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	54.594	-9.2	110	0.00
74 T	N-amyl acetate	50.000	58.715	-17.4	112	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.047	-8.1	107	0.00
76 T	1,2,3-Trichloropropane	50.000	53.142	-6.3	104	0.00
77 T	Bromobenzene	50.000	56.175	-12.3	121	0.00
78 T	n-propylbenzene	50.000	55.325	-10.7	112	0.00
79 T	2-Chlorotoluene	50.000	54.514	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.260	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.276	-14.6	108	0.00
82 T	4-Chlorotoluene	50.000	53.189	-6.4	107	0.00
83 T	tert-Butylbenzene	50.000	53.999	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.815	-9.6	111	0.00
85 T	sec-Butylbenzene	50.000	55.450	-10.9	111	0.00
86 T	p-Isopropyltoluene	50.000	55.591	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	50.000	54.762	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	50.000	52.771	-5.5	107	0.00
89 T	n-Butylbenzene	50.000	56.443	-12.9	114	0.00
90 T	Hexachloroethane	50.000	56.049	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	50.000	54.274	-8.5	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.174	-8.3	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	57.742	-15.5	117	0.00
94 T	Hexachlorobutadiene	50.000	57.772	-15.5	128	0.00
95 T	Naphthalene	50.000	56.915	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	57.366	-14.7	116	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>PARS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2592</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/14/2025 09:17</u>
Lab File ID:	<u>VW031836.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.280		-17.89	20
Chloromethane	0.411	0.378	0.1	-8.03	20
Vinyl Chloride	0.540	0.531		-1.67	20
Bromomethane	0.421	0.400		-4.99	20
Chloroethane	0.367	0.358		-2.45	20
Trichlorofluoromethane	0.490	0.456		-6.94	20
1,1,2-Trichlorotrifluoroethane	0.544	0.533		-2.02	20
1,1-Dichloroethene	0.596	0.589		-1.17	20
Acetone	0.177	0.145		-18.08	20
Carbon Disulfide	1.594	1.487		-6.71	20
Methyl tert-butyl Ether	1.011	1.128		11.57	20
Methyl Acetate	0.507	0.534		5.32	20
Methylene Chloride	0.814	0.750		-7.86	20
trans-1,2-Dichloroethene	0.633	0.635		0.32	20
1,1-Dichloroethane	1.156	1.213	0.1	4.93	20
Cyclohexane	1.022	0.980		-4.11	20
2-Butanone	0.231	0.228		-1.3	20
Carbon Tetrachloride	0.481	0.486		1.04	20
cis-1,2-Dichloroethene	0.728	0.791		8.65	20
Bromochloromethane	0.510	0.541		6.08	20
Chloroform	1.228	1.308		6.51	20
1,1,1-Trichloroethane	0.946	0.958		1.27	20
Methylcyclohexane	0.587	0.596		1.53	20
Benzene	1.397	1.493		6.87	20
1,2-Dichloroethane	0.472	0.504		6.78	20
Trichloroethene	0.349	0.356		2.01	20
1,2-Dichloropropane	0.338	0.370		9.47	20
Bromodichloromethane	0.511	0.557		9	20
4-Methyl-2-Pentanone	0.295	0.307		4.07	20
Toluene	0.894	0.965		7.94	20
t-1,3-Dichloropropene	0.480	0.537		11.88	20
cis-1,3-Dichloropropene	0.544	0.609		11.95	20
1,1,2-Trichloroethane	0.286	0.308		7.69	20
2-Hexanone	0.200	0.211		5.5	20
Dibromochloromethane	0.341	0.372		9.09	20
1,2-Dibromoethane	0.286	0.299		4.55	20
Tetrachloroethene	0.327	0.316		-3.36	20
Chlorobenzene	1.103	1.152	0.3	4.44	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>PARS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2592</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/14/2025 09:17</u>
Lab File ID:	<u>VW031836.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.034		6.32	20
m/p-Xylenes	0.735	0.786		6.94	20
o-Xylene	0.681	0.751		10.28	20
Styrene	1.177	1.279		8.67	20
Bromoform	0.210	0.216	0.1	2.86	20
Isopropylbenzene	3.803	4.171		9.68	20
1,1,2,2-Tetrachloroethane	0.844	0.921	0.3	9.12	20
1,3-Dichlorobenzene	1.701	1.869		9.88	20
1,4-Dichlorobenzene	1.741	1.813		4.14	20
1,2-Dichlorobenzene	1.555	1.670		7.39	20
1,2-Dibromo-3-Chloropropane	0.165	0.166		0.61	20
1,2,4-Trichlorobenzene	0.959	0.982		2.4	20
1,2,3-Trichlorobenzene	0.881	0.953		8.17	20
1,2-Dichloroethane-d4	0.718	0.717		-0.14	20
Dibromofluoromethane	0.326	0.332		1.84	20
Toluene-d8	1.214	1.228		1.15	20
4-Bromofluorobenzene	0.447	0.466		4.25	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\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/15/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163719	49.957	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.920%		
35) Dibromofluoromethane	7.904	113	135594	50.884	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	101.760%		
50) Toluene-d8	10.325	98	501344	50.556	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.120%		
62) 4-Bromofluorobenzene	12.617	95	190344	52.159	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	63969	41.132	ug/l	96
3) Chloromethane	2.259	50	86331	46.044	ug/l	100
4) Vinyl Chloride	2.405	62	121195	49.178	ug/l	99
5) Bromomethane	2.826	94	91454	47.511	ug/l	94
6) Chloroethane	2.972	64	81712	48.812	ug/l	99
7) Trichlorofluoromethane	3.302	101	104149	46.535	ug/l	96
8) Diethyl Ether	3.722	74	89402	52.568	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	121817	49.037	ug/l	99
10) Methyl Iodide	4.301	142	179422	46.850	ug/l	99
11) Tert butyl alcohol	5.228	59	47679	234.834	ug/l	98
12) 1,1-Dichloroethene	4.082	96	134474	49.420	ug/l	97
13) Acrolein	3.929	56	74569	204.345	ug/l	97
14) Allyl chloride	4.704	41	218285	52.285	ug/l	98
15) Acrylonitrile	5.405	53	207277	247.845	ug/l	100
16) Acetone	4.161	43	166058	205.003	ug/l	97
17) Carbon Disulfide	4.417	76	339643	46.646	ug/l	98
18) Methyl Acetate	4.704	43	121927	52.667	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	257679	55.794	ug/l	99
20) Methylene Chloride	4.954	84	171174	53.404	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	144928	50.126	ug/l	95
22) Diisopropyl ether	6.338	45	457833	56.229	ug/l	98
23) Vinyl Acetate	6.283	43	1479600	266.040	ug/l	99
24) 1,1-Dichloroethane	6.246	63	276940	52.462	ug/l	99
25) 2-Butanone	7.191	43	260514	247.209	ug/l	99
26) 2,2-Dichloropropane	7.185	77	151089	49.055	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	180662	54.359	ug/l	98
28) Bromochloromethane	7.526	49	123572	53.046	ug/l	98
29) Tetrahydrofuran	7.551	42	180200	249.693	ug/l	99
30) Chloroform	7.691	83	298589	53.231	ug/l	98
31) Cyclohexane	7.971	56	223869	47.976	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	218753	50.605	ug/l	99
36) 1,1-Dichloropropene	8.093	75	200704	52.050	ug/l	99
37) Ethyl Acetate	7.270	43	121937	50.129	ug/l	99
38) Carbon Tetrachloride	8.087	117	198434	50.500	ug/l	97
39) Methylcyclohexane	9.343	83	243562	50.768	ug/l	98
40) Benzene	8.337	78	609486	53.424	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	68476	52.550	ug/l	96
42) 1,2-Dichloroethane	8.410	62	205872	53.407	ug/l	99
43) Isopropyl Acetate	8.435	43	221026	52.713	ug/l	99
44) Trichloroethene	9.099	130	145311	51.032	ug/l	99
45) 1,2-Dichloropropane	9.374	63	151020	54.772	ug/l	97
46) Dibromomethane	9.465	93	94610	53.148	ug/l	95
47) Bromodichloromethane	9.648	83	227412	54.479	ug/l	99
48) Methyl methacrylate	9.441	41	109666	53.191	ug/l	97
49) 1,4-Dioxane	9.471	88	20626	989.318	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	626257	259.792	ug/l	99
52) Toluene	10.392	92	394081	53.951	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	219316	55.997	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	248851	56.048	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	125673	53.895	ug/l	96
56) Ethyl methacrylate	10.648	69	181859	57.487	ug/l	98
57) 1,3-Dichloropropane	10.934	76	222671	54.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	453835	260.532	ug/l	98
59) 2-Hexanone	10.971	43	430301	263.418	ug/l	99
60) Dibromochloromethane	11.129	129	152023	54.520	ug/l	100
61) 1,2-Dibromoethane	11.239	107	122012	52.269	ug/l	96
64) Tetrachloroethene	10.867	164	115170	48.361	ug/l	95
65) Chlorobenzene	11.654	112	419361	52.207	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	135360	52.880	ug/l	98
67) Ethyl Benzene	11.733	91	740477	53.161	ug/l	98
68) m/p-Xylenes	11.837	106	572560	106.930	ug/l	100
69) o-Xylene	12.166	106	273433	55.153	ug/l	97
70) Styrene	12.178	104	465805	54.348	ug/l	99
71) Bromoform	12.349	173	78814	51.612	ug/l	99
73) Isopropylbenzene	12.464	105	692398	54.837	ug/l	99
74) N-amyl acetate	12.269	43	198710	58.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	152803	54.511	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	115411m	53.802	ug/l	
77) Bromobenzene	12.745	156	150491	53.439	ug/l	95
78) n-propylbenzene	12.800	91	836655	55.335	ug/l	100
79) 2-Chlorotoluene	12.885	91	524436	57.600	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	589302	56.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51795	56.239	ug/l	98
82) 4-Chlorotoluene	12.989	91	535657	56.037	ug/l	98
83) tert-Butylbenzene	13.202	119	508480	56.796	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	600386	56.696	ug/l	96
85) sec-Butylbenzene	13.379	105	740756	55.125	ug/l	99
86) p-Isopropyltoluene	13.495	119	600369	54.212	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	310240	54.933	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	301024	52.075	ug/l	97
89) n-Butylbenzene	13.818	91	596003	55.390	ug/l	100
90) Hexachloroethane	14.086	117	107848	53.979	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	277144	53.691	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	27594	50.415	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	163066	51.224	ug/l	98
94) Hexachlorobutadiene	15.232	225	77336	50.310	ug/l	90
95) Naphthalene	15.360	128	424393	54.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	158213	54.088	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

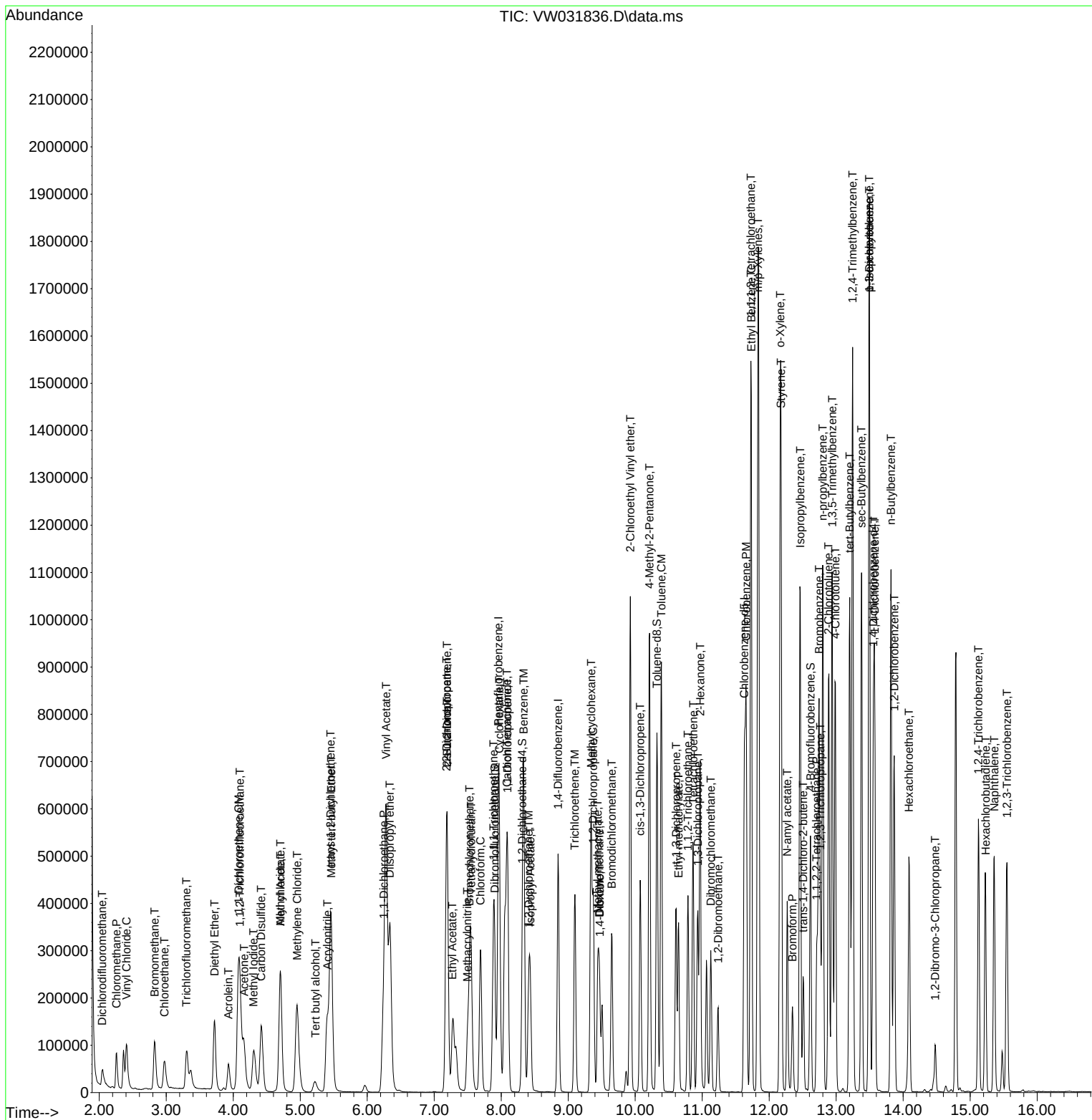
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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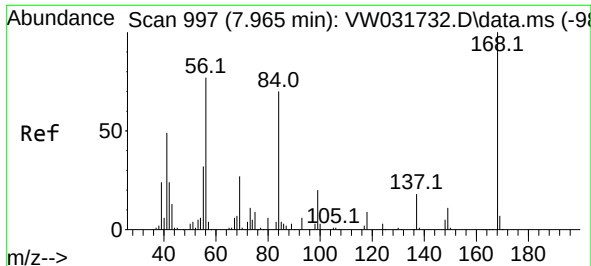
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

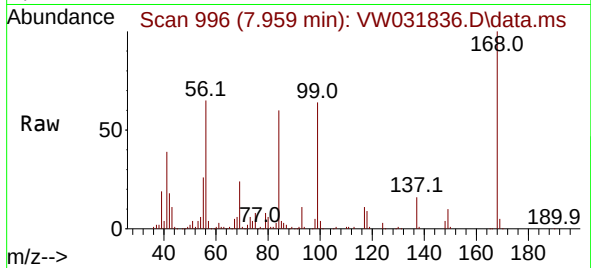
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

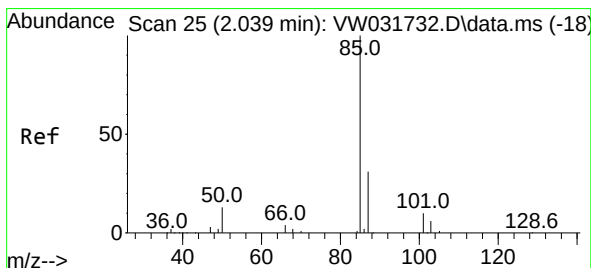
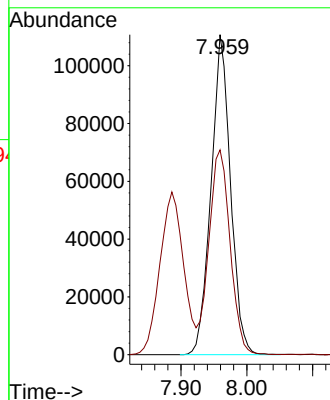
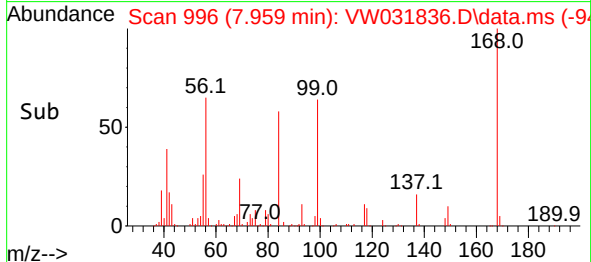
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 228359
Ion Ratio Lower Upper
168 100
99 63.9 49.4 74.2

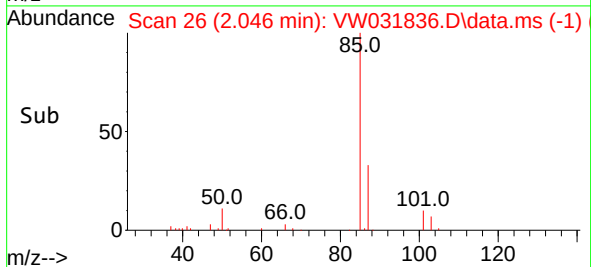
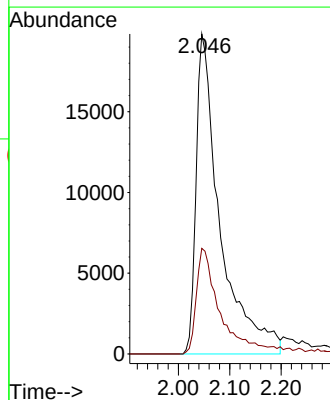
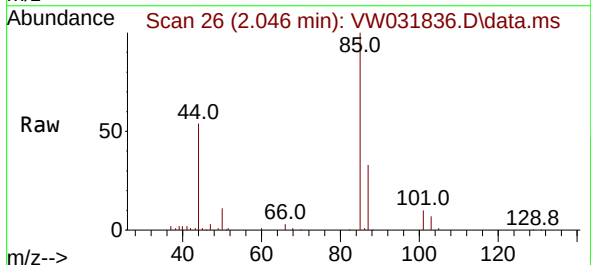
Manual Integrations
APPROVED

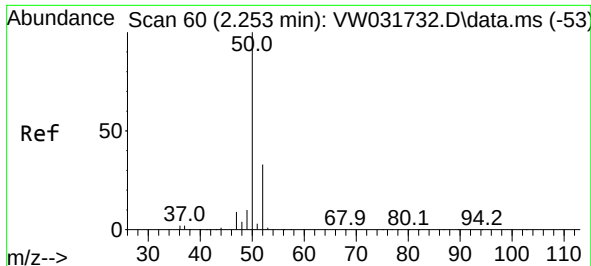
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#2
Dichlorodifluoromethane
Concen: 41.132 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

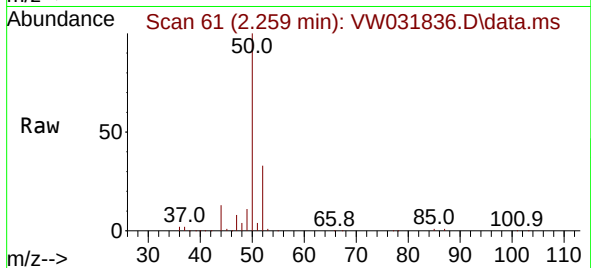
Tgt Ion: 85 Resp: 63969
Ion Ratio Lower Upper
85 100
87 33.0 15.4 46.2





#3
Chloromethane
Concen: 46.044 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

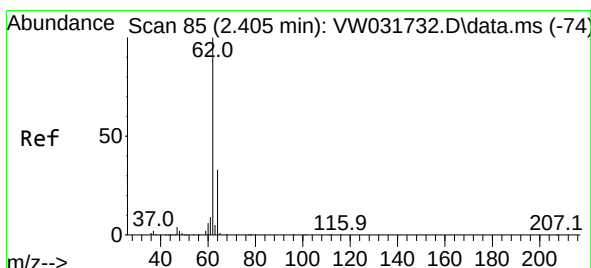
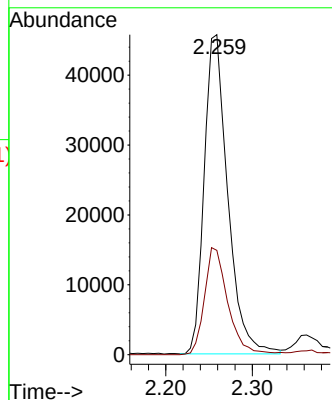
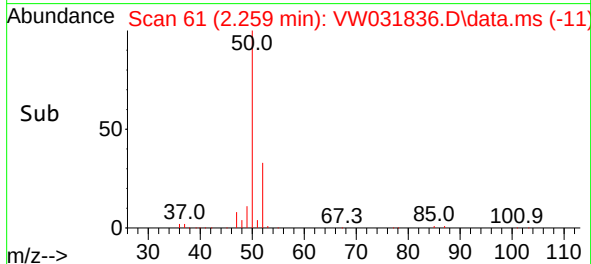
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



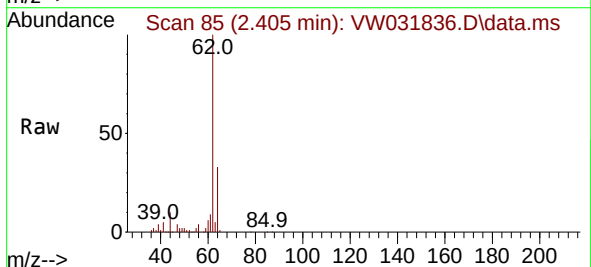
Tgt Ion: 50 Resp: 8633
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

Manual Integrations
APPROVED

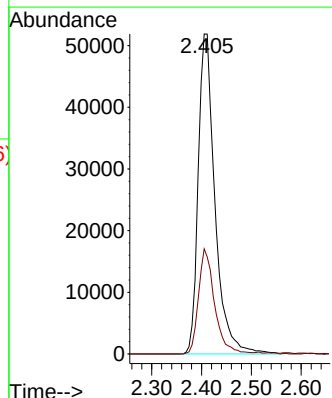
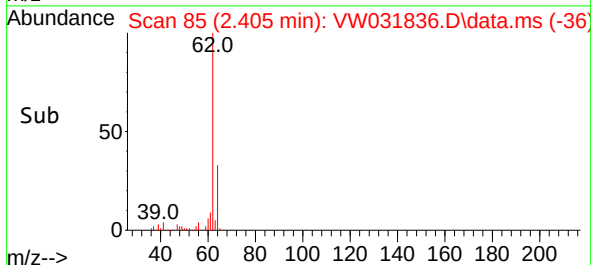
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

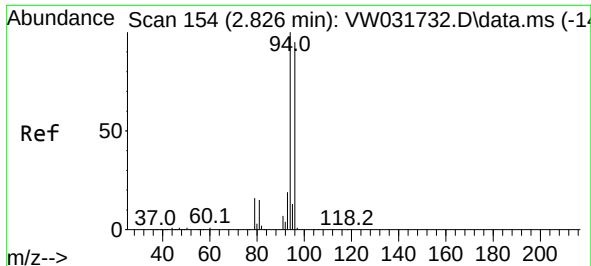


#4
Vinyl Chloride
Concen: 49.178 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



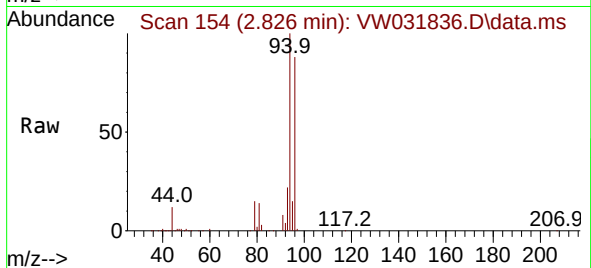
Tgt Ion: 62 Resp: 121195
Ion Ratio Lower Upper
62 100
64 32.9 26.8 40.2





#5
Bromomethane
Concen: 47.511 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

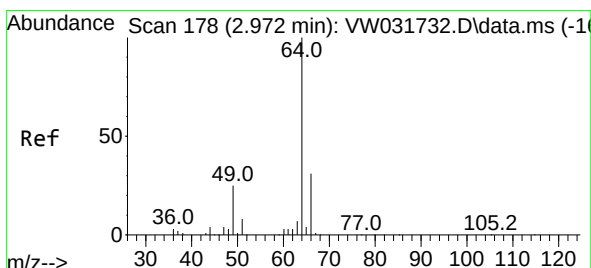
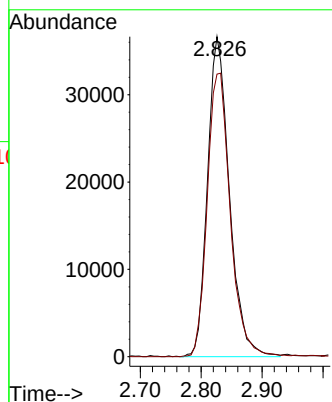
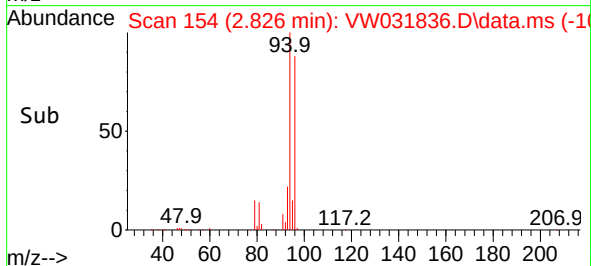
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



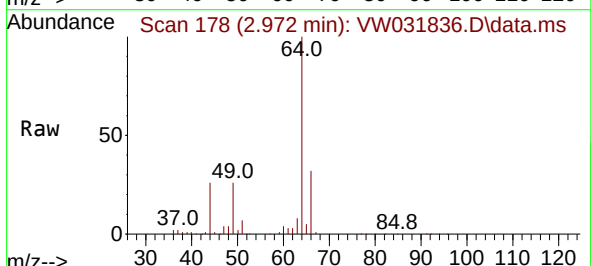
Tgt Ion: 94 Resp: 91454
Ion Ratio Lower Upper
94 100
96 88.3 75.6 113.4

Manual Integrations
APPROVED

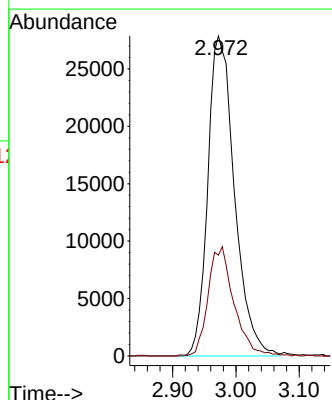
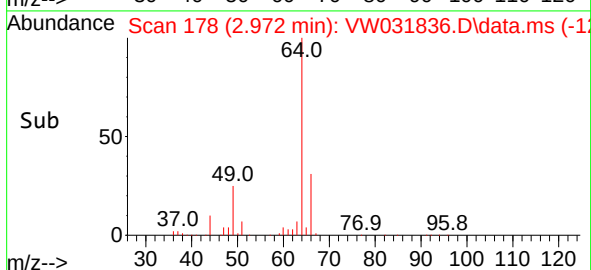
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

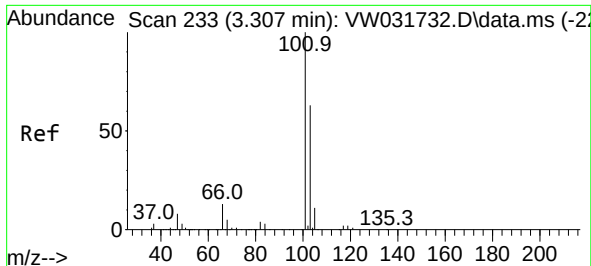


#6
Chloroethane
Concen: 48.812 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 64 Resp: 81712
Ion Ratio Lower Upper
64 100
66 31.1 24.5 36.7





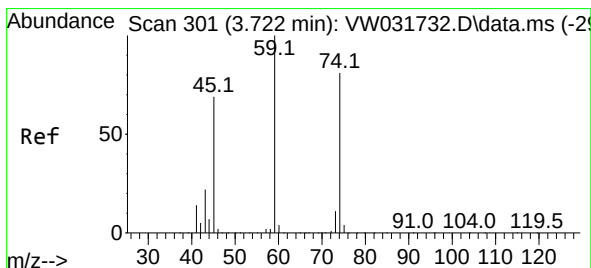
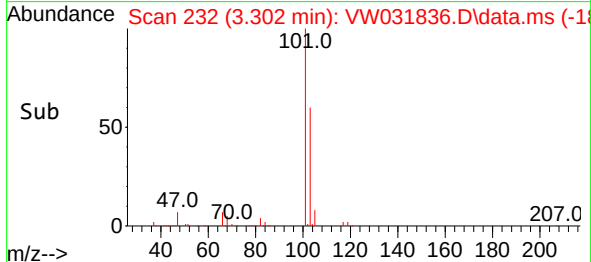
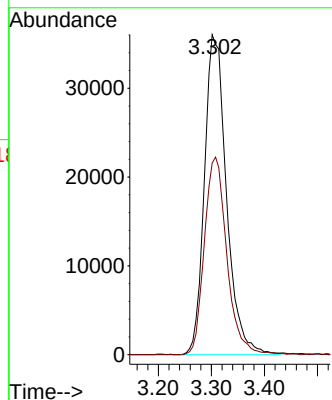
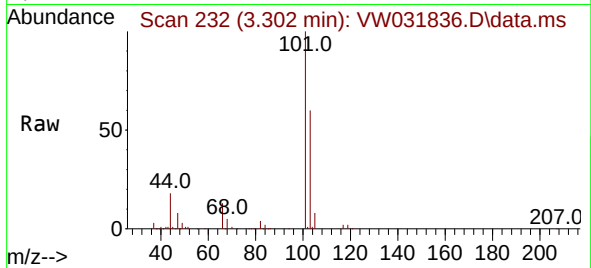
#7
 Trichlorofluoromethane
 Concen: 46.535 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 104149
 Ion Ratio Lower Upper
 101 100
 103 59.9 50.2 75.4

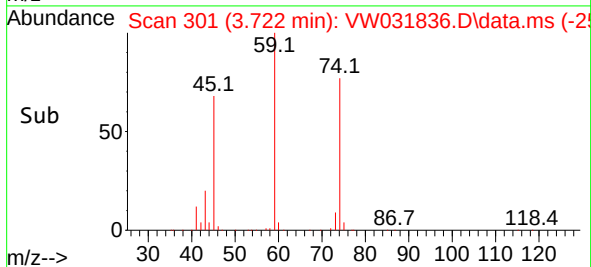
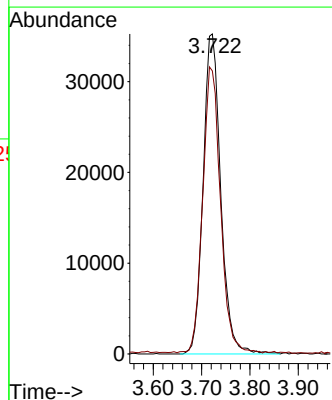
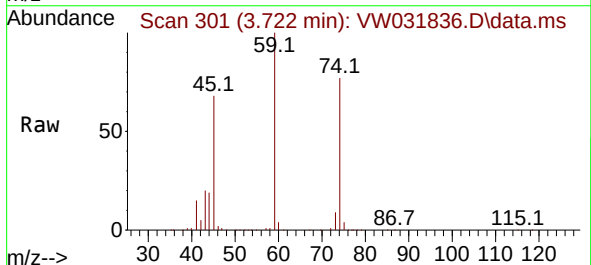
Manual Integrations
 APPROVED

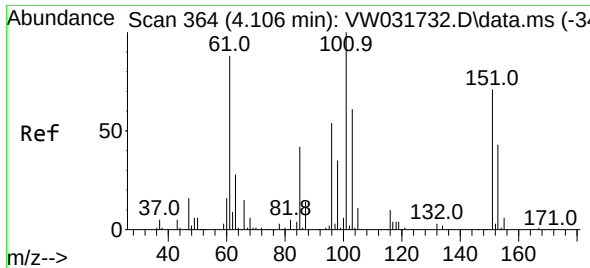
Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025



#8
 Diethyl Ether
 Concen: 52.568 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17

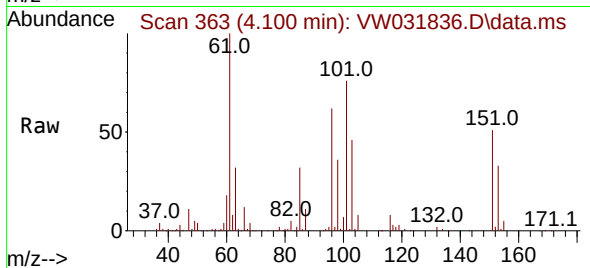
Tgt Ion: 74 Resp: 89402
 Ion Ratio Lower Upper
 74 100
 45 90.0 43.9 131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.037 ug/l
RT: 4.100 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

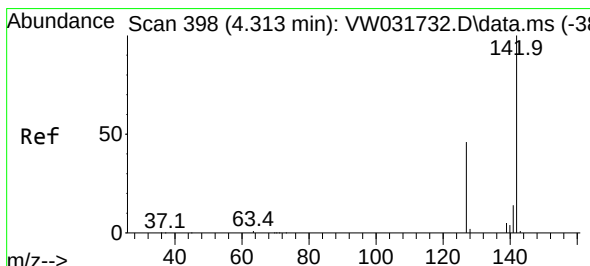
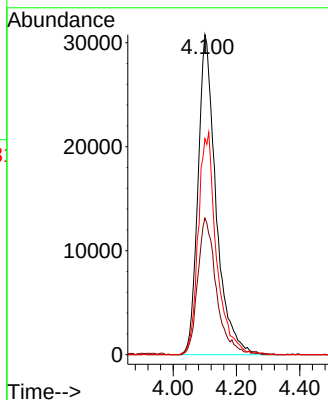
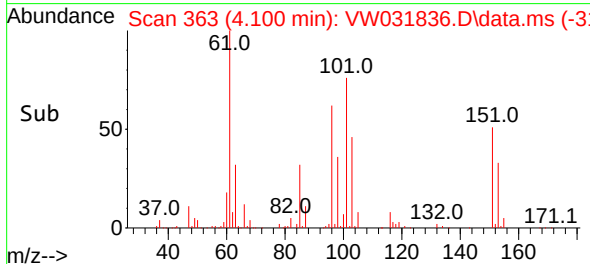
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 12181
Ion Ratio Lower Upper
101 100
85 44.4 35.6 53.4
151 70.4 56.8 85.2

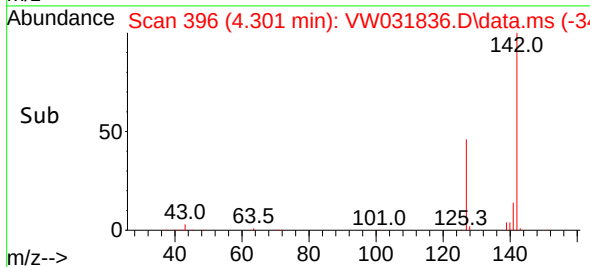
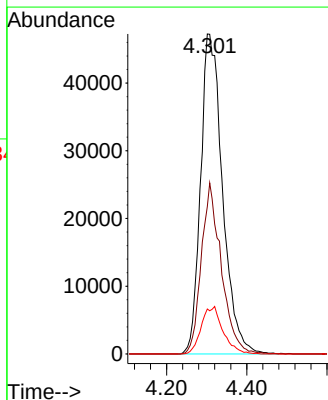
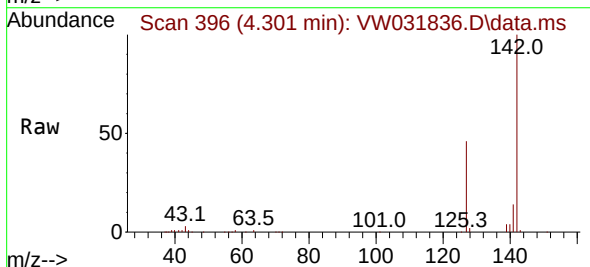
Manual Integrations
APPROVED

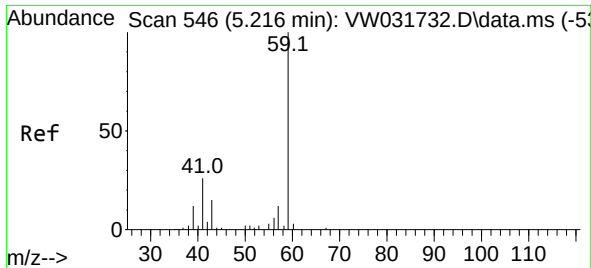
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#10
Methyl Iodide
Concen: 46.850 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

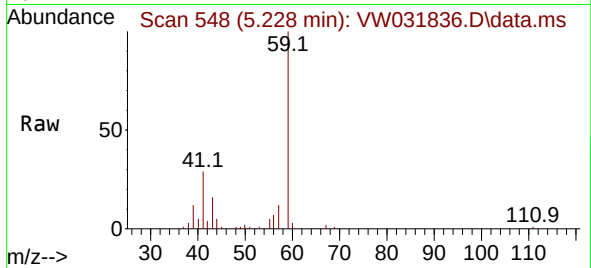
Tgt Ion:142 Resp: 179422
Ion Ratio Lower Upper
142 100
127 48.7 37.9 56.9
141 14.7 11.7 17.5





#11
Tert butyl alcohol
Concen: 234.834 ug/l
RT: 5.228 min Scan# 546
Delta R.T. 0.012 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

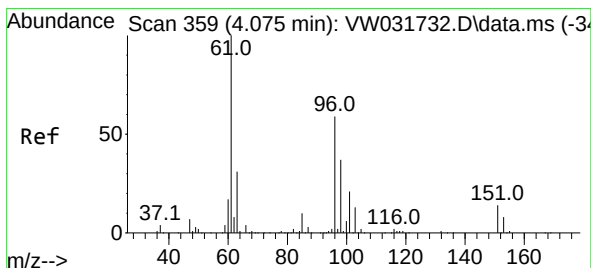
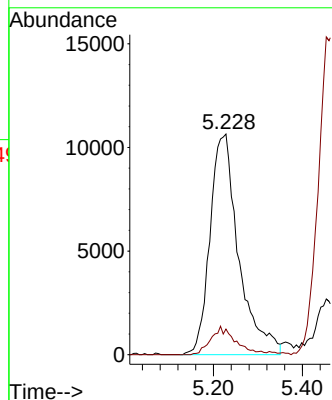
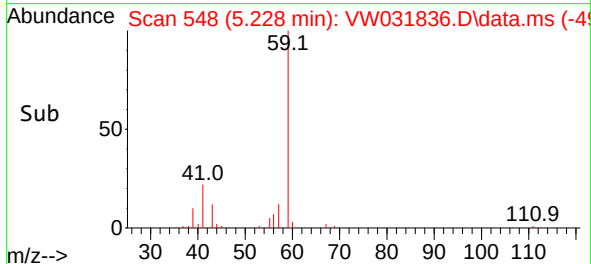
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



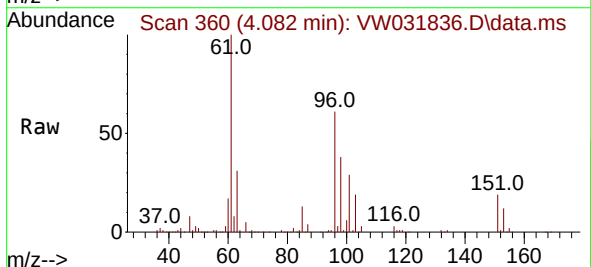
Tgt Ion: 59 Resp: 47679
Ion Ratio Lower Upper
59 100
57 11.1 9.5 14.3

Manual Integrations
APPROVED

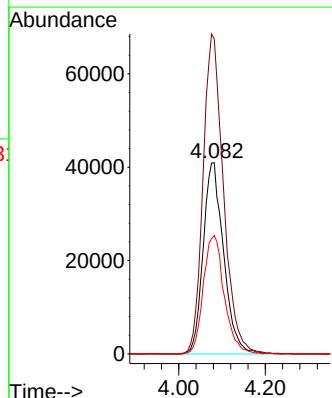
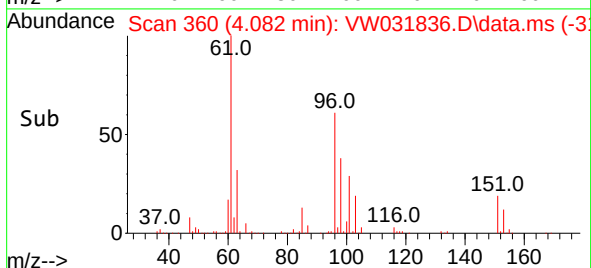
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

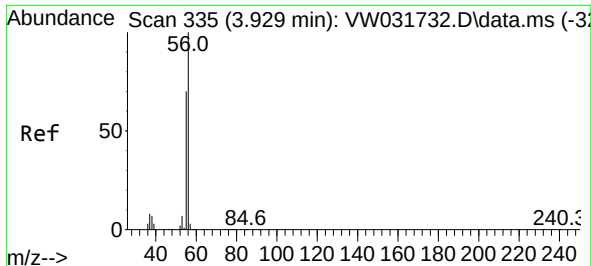


#12
1,1-Dichloroethene
Concen: 49.420 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



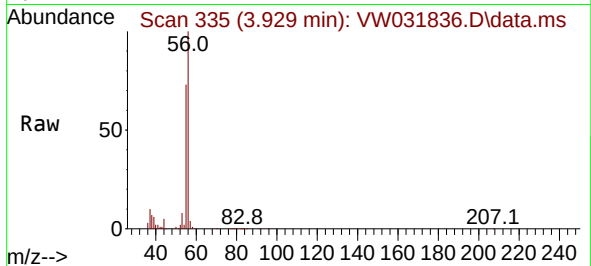
Tgt Ion: 96 Resp: 134474
Ion Ratio Lower Upper
96 100
61 164.6 135.8 203.8
98 61.9 50.4 75.6





#13
Acrolein
Concen: 204.345 ug/l
RT: 3.929 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

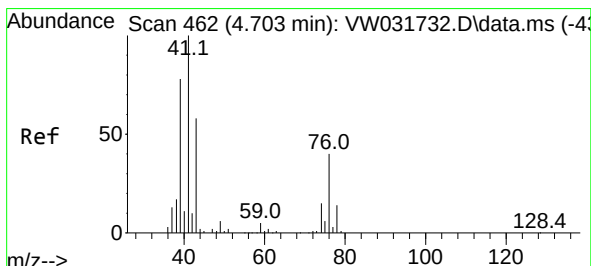
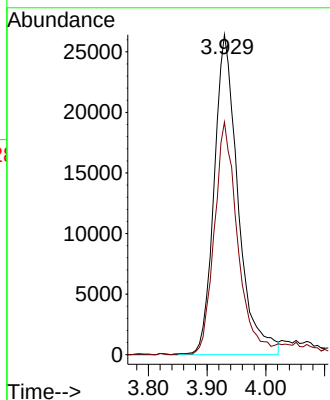
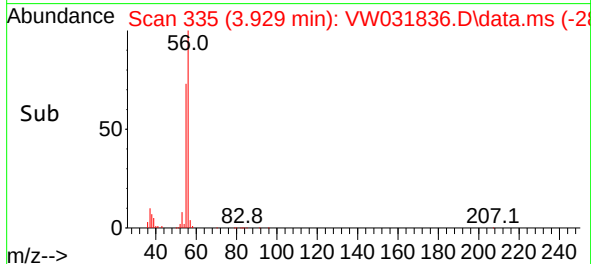
Instrument :
MSVOA_W
ClientSampleId :
VSTDC050



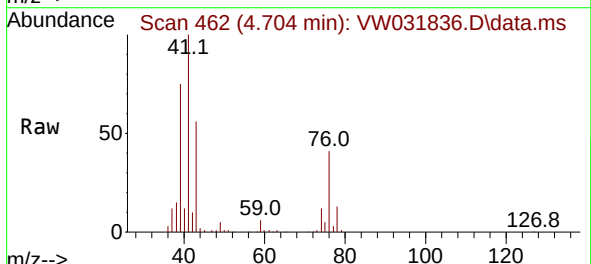
Tgt Ion: 56 Resp: 74569
Ion Ratio Lower Upper
56 100
55 70.3 54.0 81.0

Manual Integrations
APPROVED

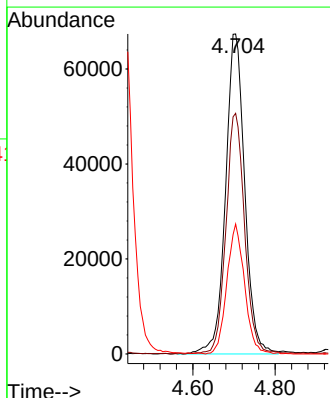
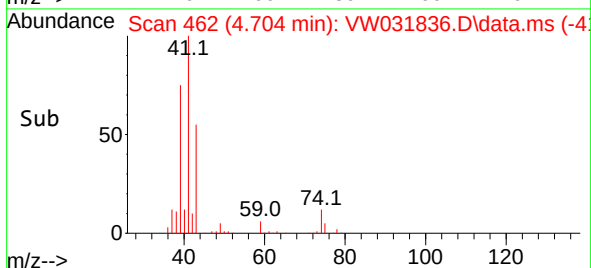
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

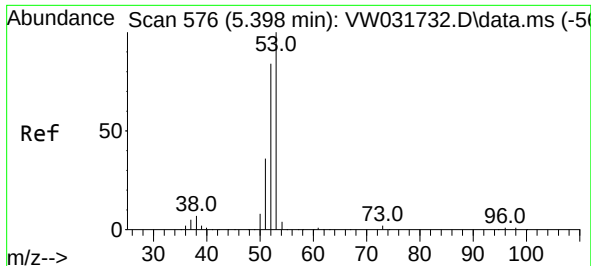


#14
Allyl chloride
Concen: 52.285 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



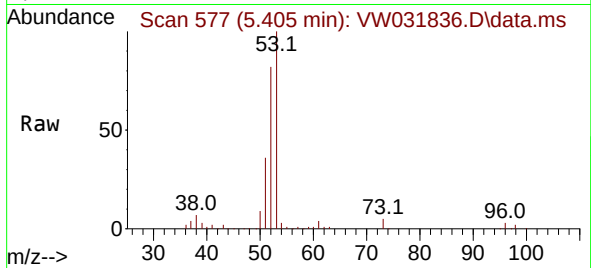
Tgt Ion: 41 Resp: 218285
Ion Ratio Lower Upper
41 100
39 73.4 60.7 91.1
76 37.5 30.3 45.5





#15
Acrylonitrile
Concen: 247.845 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

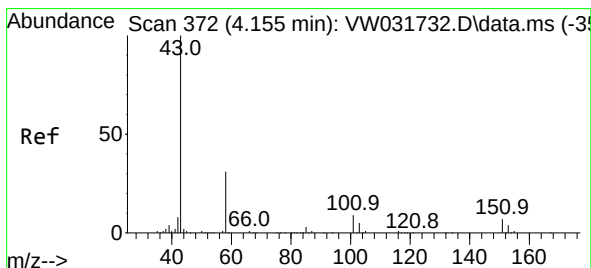
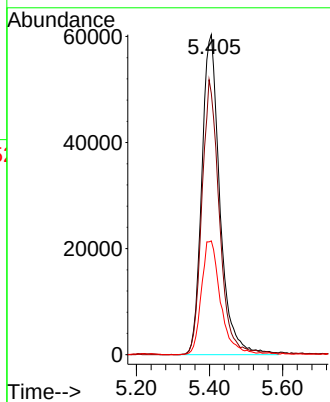
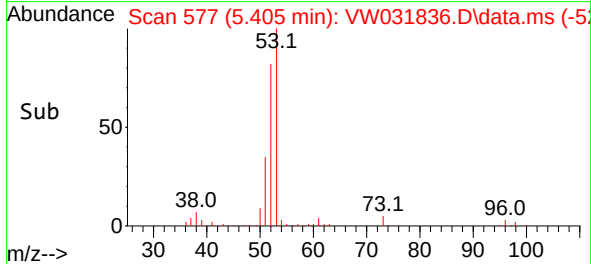
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



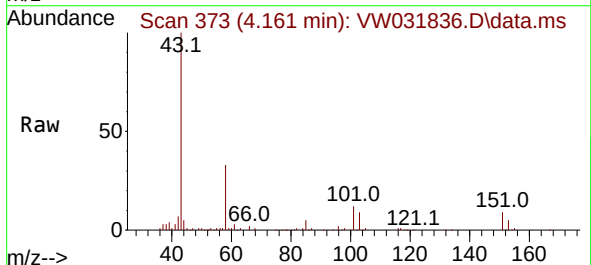
Tgt Ion: 53 Resp: 20727
Ion Ratio Lower Upper
53 100
52 82.7 66.4 99.6
51 37.8 29.9 44.9

Manual Integrations
APPROVED

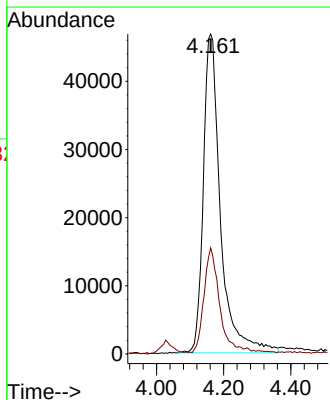
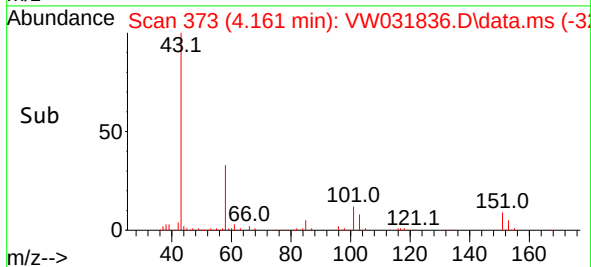
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

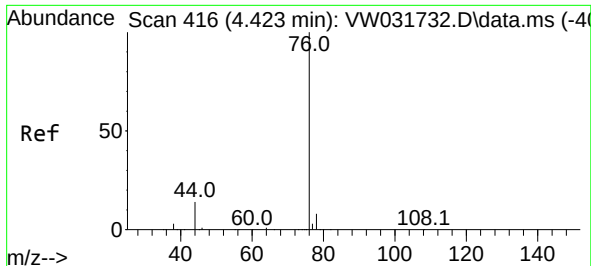


#16
Acetone
Concen: 205.003 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 43 Resp: 166058
Ion Ratio Lower Upper
43 100
58 32.7 24.8 37.2





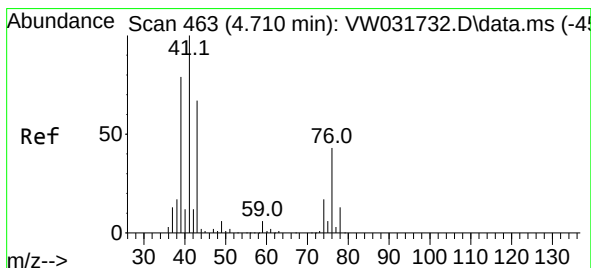
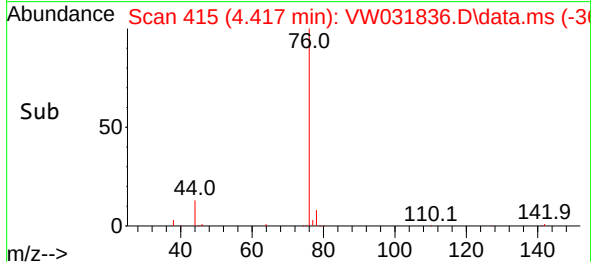
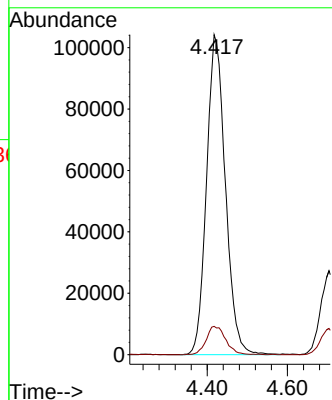
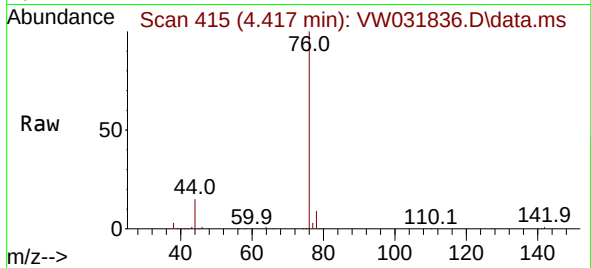
#17
Carbon Disulfide
Concen: 46.646 ug/l
RT: 4.417 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 33964
Ion Ratio Lower Upper
76 100
78 8.8 6.6 10.0

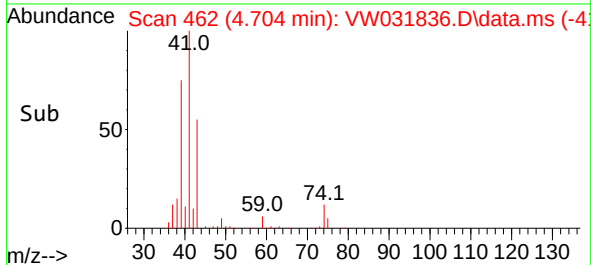
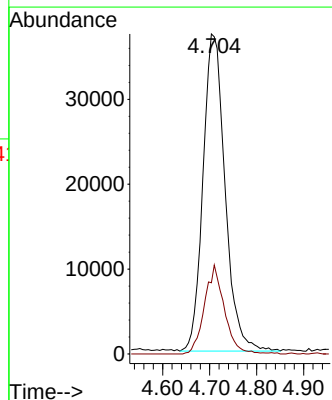
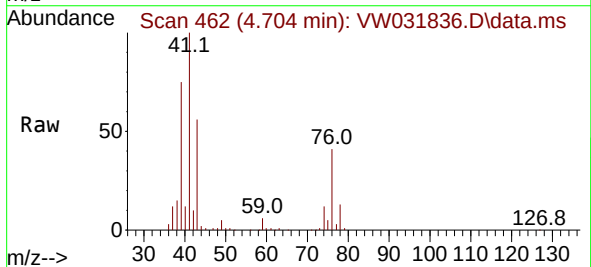
Manual Integrations
APPROVED

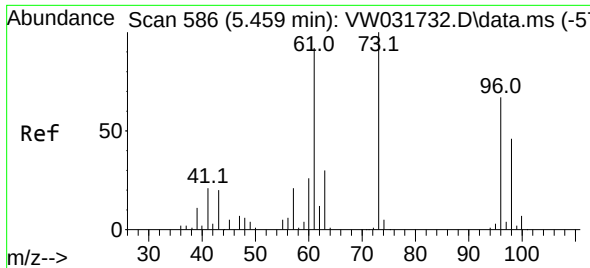
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#18
Methyl Acetate
Concen: 52.667 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

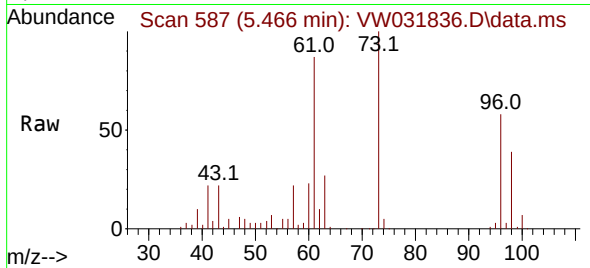
Tgt Ion: 43 Resp: 121927
Ion Ratio Lower Upper
43 100
74 25.2 20.6 30.8





#19
Methyl tert-butyl Ether
Concen: 55.794 ug/l
RT: 5.466 min Scan# 586
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

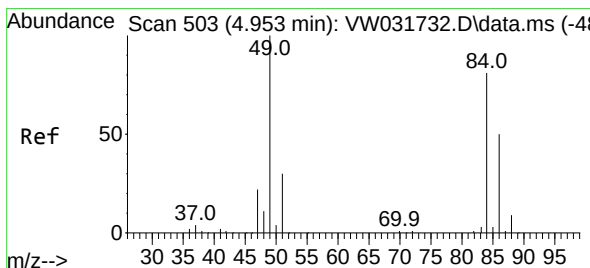
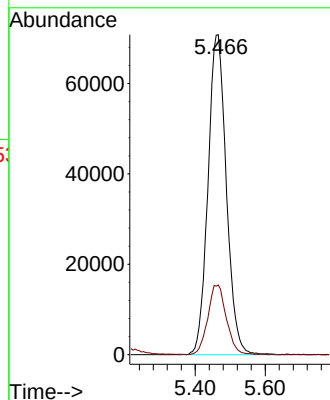
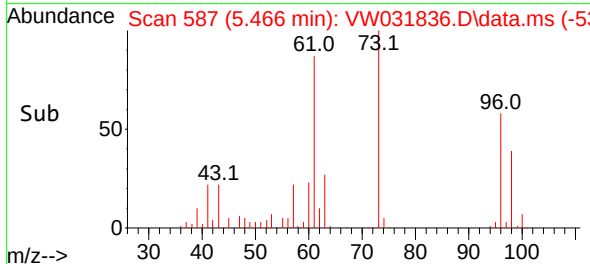
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



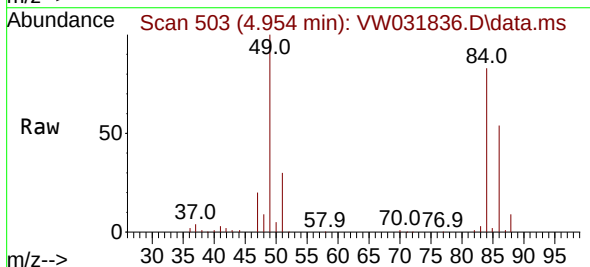
Tgt Ion: 73 Resp: 257679
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8

Manual Integrations
APPROVED

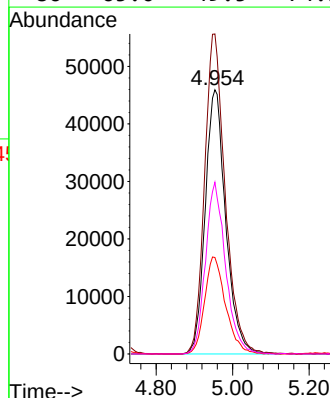
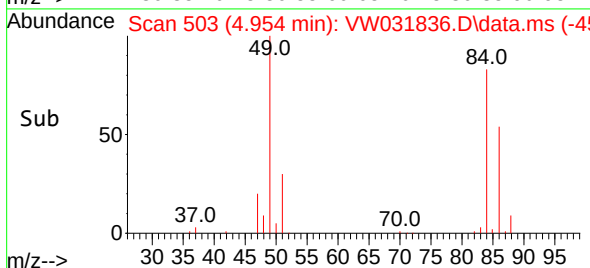
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

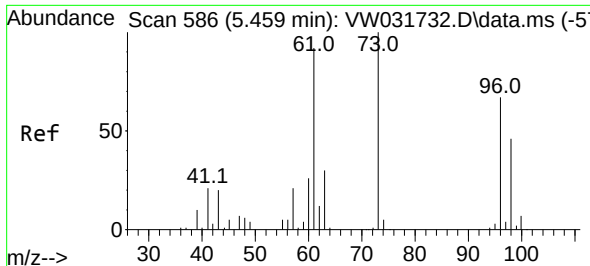


#20
Methylene Chloride
Concen: 53.404 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



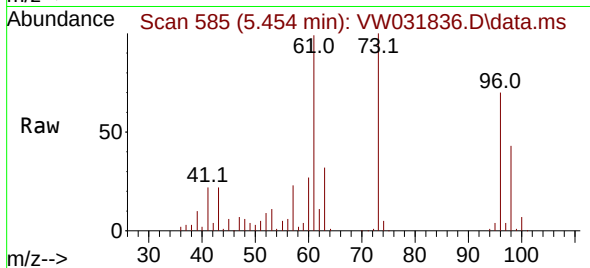
Tgt Ion: 84 Resp: 171174
Ion Ratio Lower Upper
84 100
49 121.2 98.2 147.4
51 36.6 29.8 44.8
86 65.0 49.5 74.3





#21
trans-1,2-Dichloroethene
Concen: 50.126 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

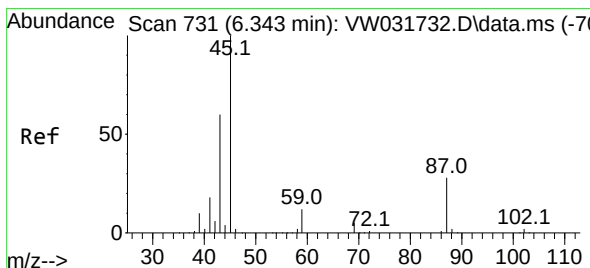
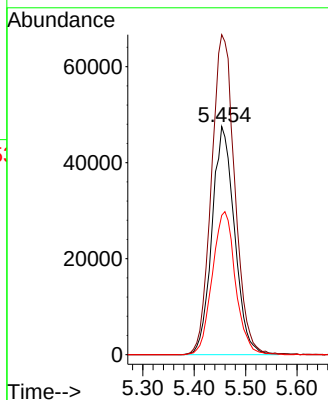
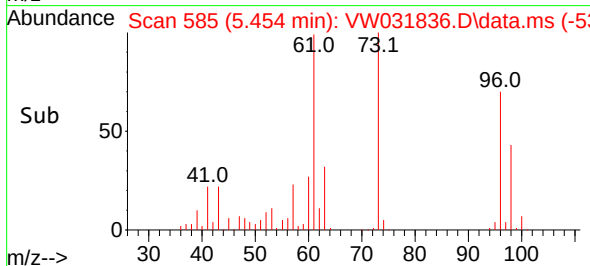
Instrument :
MSVOA_W
ClientSampleId :
VSTDC0050



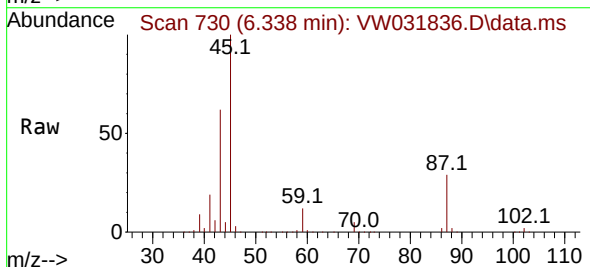
Tgt Ion: 96 Resp: 144928
Ion Ratio Lower Upper
96 100
61 140.3 109.8 164.6
98 61.1 54.9 82.3

Manual Integrations
APPROVED

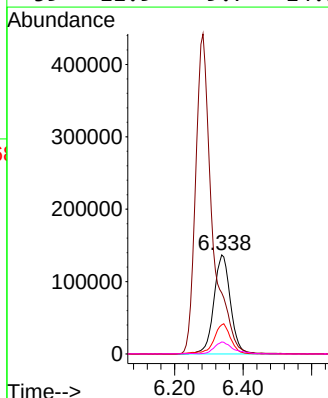
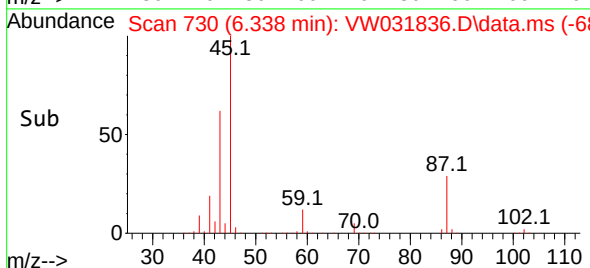
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

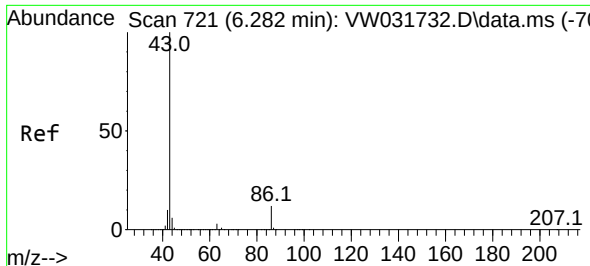


#22
Diisopropyl ether
Concen: 56.229 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



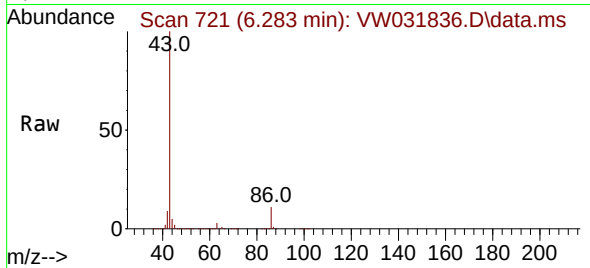
Tgt Ion: 45 Resp: 457833
Ion Ratio Lower Upper
45 100
43 61.5 48.3 72.5
87 29.4 22.6 34.0
59 11.9 9.7 14.5





#23
 Vinyl Acetate
 Concen: 266.040 ug/l
 RT: 6.283 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17

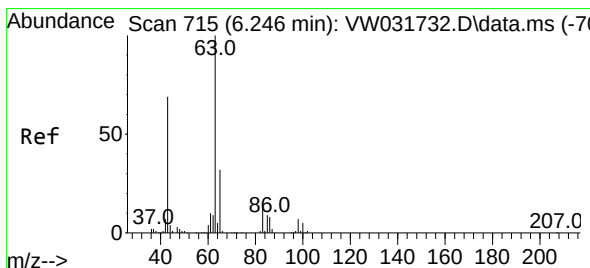
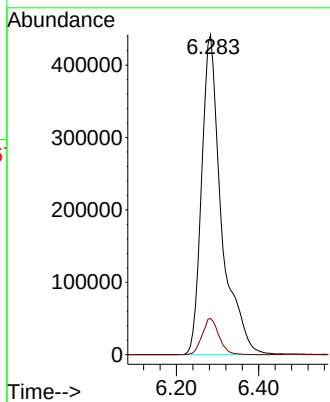
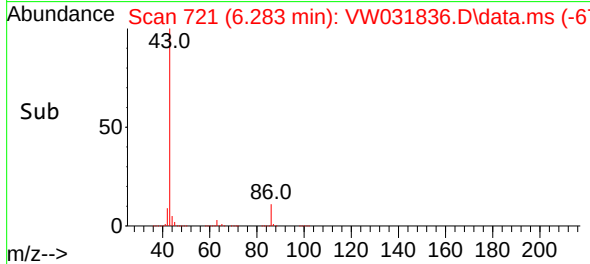
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 43 Resp: 1479600
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

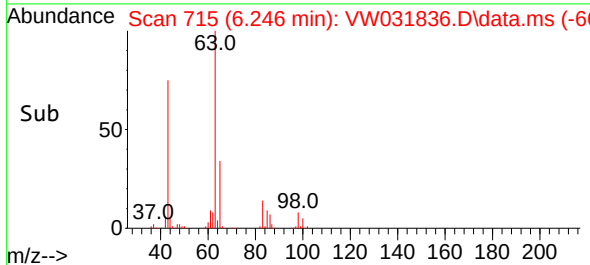
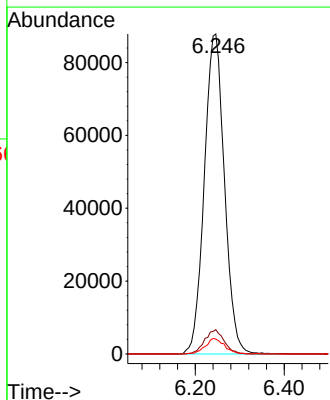
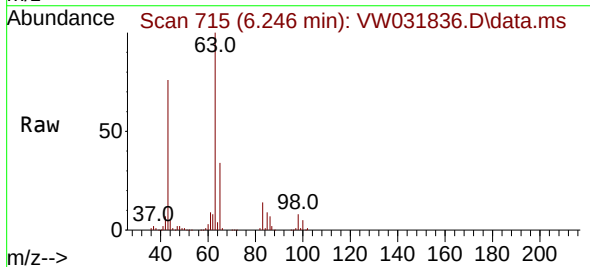
Manual Integrations
 APPROVED

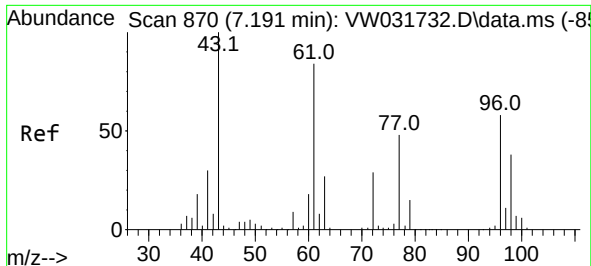
Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025



#24
 1,1-Dichloroethane
 Concen: 52.462 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17

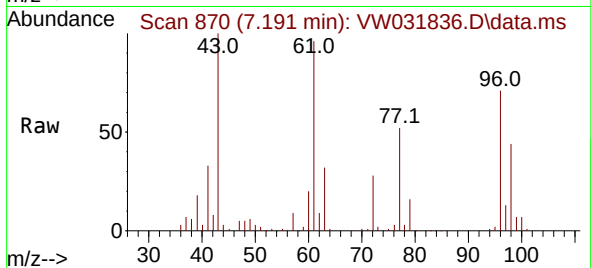
Tgt Ion: 63 Resp: 276940
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.6
 100 4.7 2.5 7.5





#25
2-Butanone
Concen: 247.209 ug/l
RT: 7.191 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

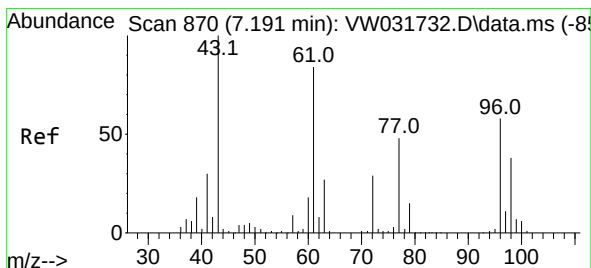
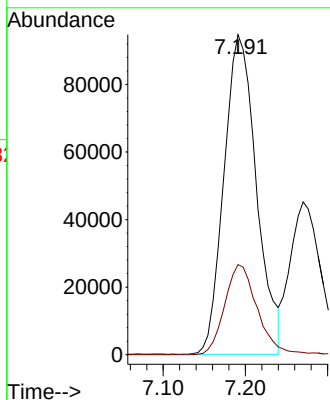
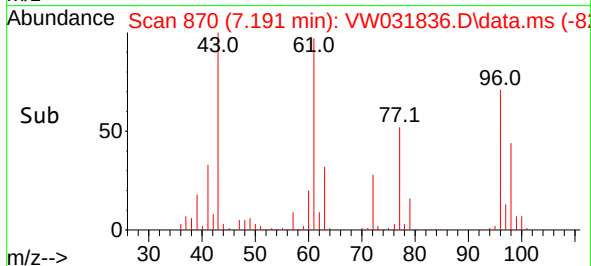
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



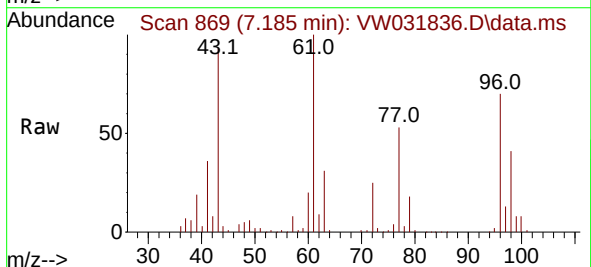
Tgt Ion: 43 Resp: 260514
Ion Ratio Lower Upper
43 100
72 28.2 23.0 34.6

Manual Integrations
APPROVED

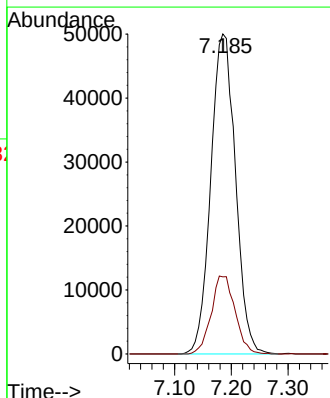
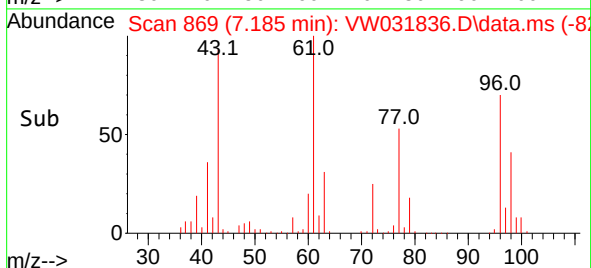
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

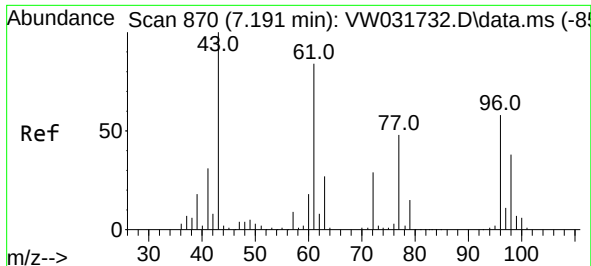


#26
2,2-Dichloropropane
Concen: 49.055 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 77 Resp: 151089
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 54.359 ug/l

RT: 7.191 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

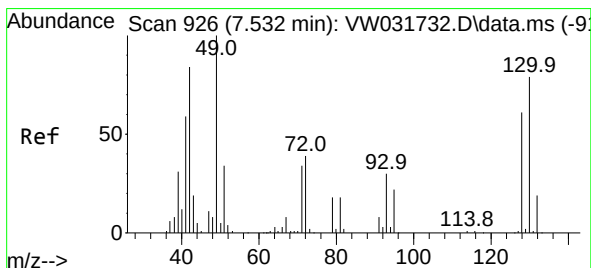
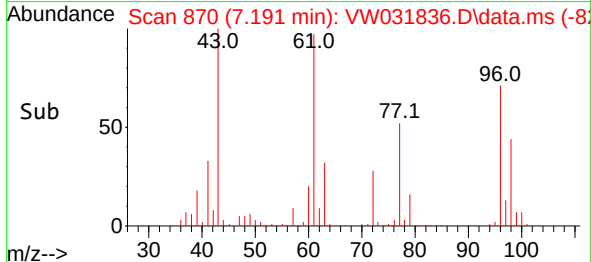
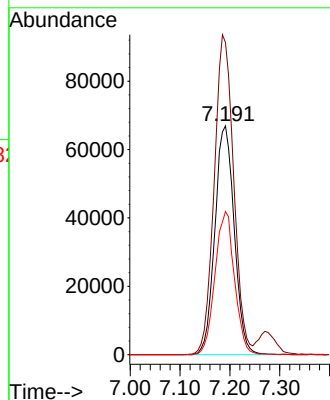
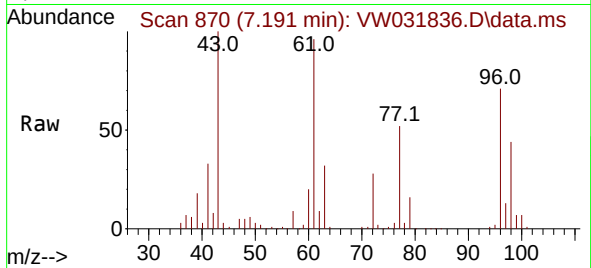
Tgt Ion: 96	Resp: 18066
Ion Ratio	Lower Upper
96 100	
61 140.5	0.0 286.8
98 63.0	0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#28

Bromochloromethane

Concen: 53.046 ug/l

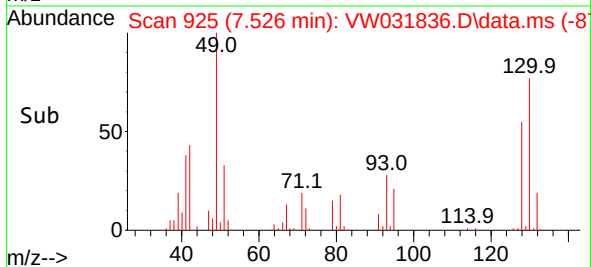
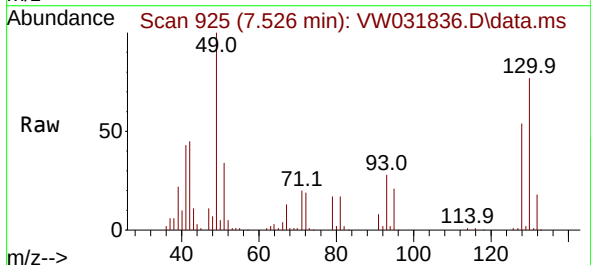
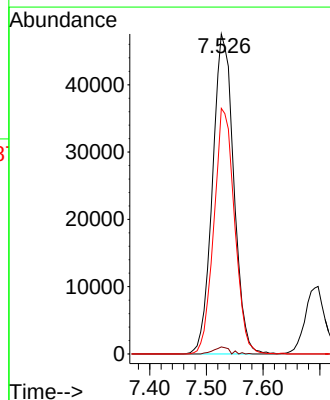
RT: 7.526 min Scan# 925

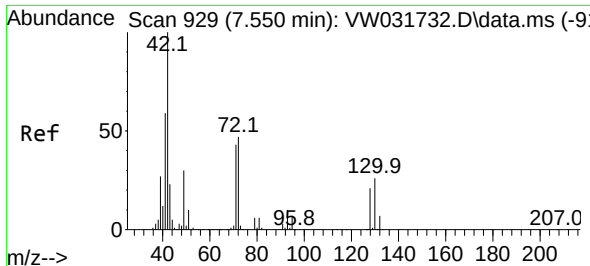
Delta R.T. -0.006 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

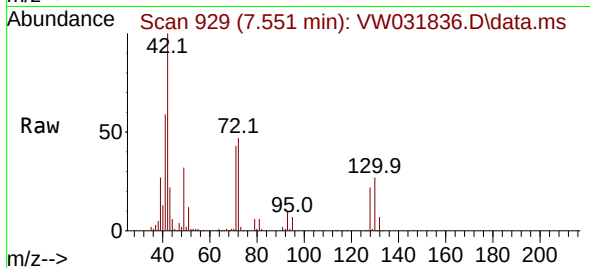
Tgt Ion: 49	Resp: 123572
Ion Ratio	Lower Upper
49 100	
129 1.7	0.0 2.4
130 74.6	61.3 91.9





#29
Tetrahydrofuran
Concen: 249.693 ug/l
RT: 7.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

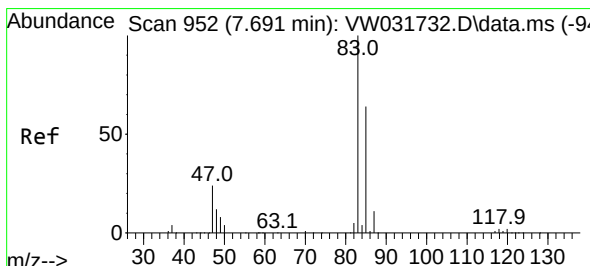
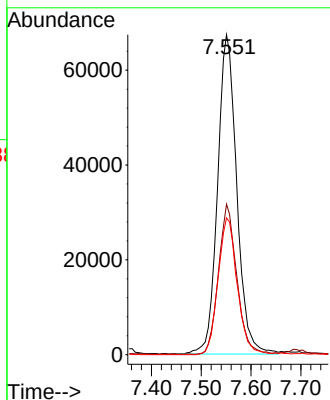
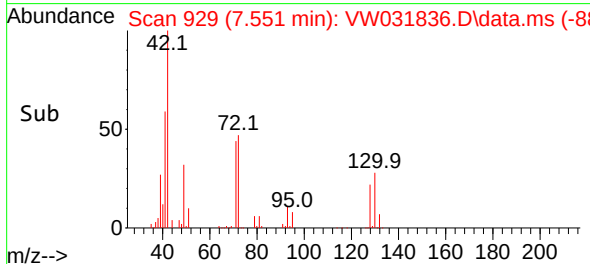
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



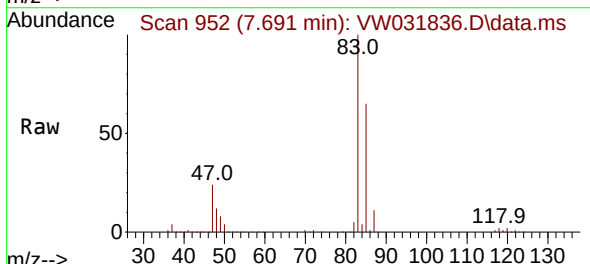
Tgt Ion: 42 Resp: 180200
Ion Ratio Lower Upper
42 100
72 44.8 36.8 55.2
71 42.7 34.6 52.0

Manual Integrations
APPROVED

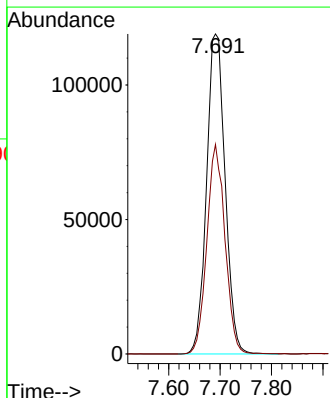
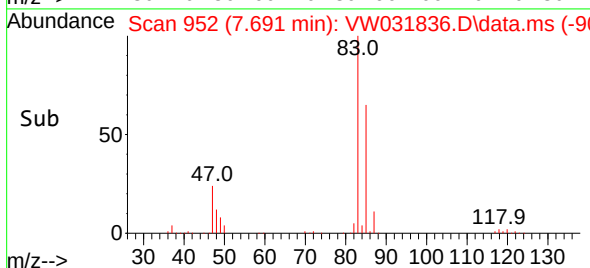
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

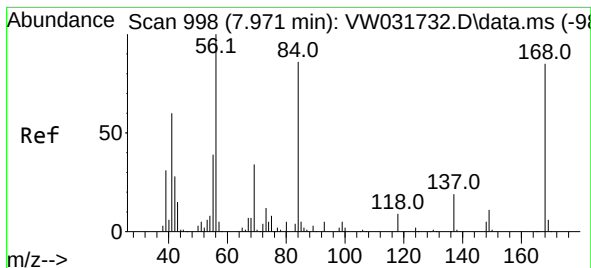


#30
Chloroform
Concen: 53.231 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



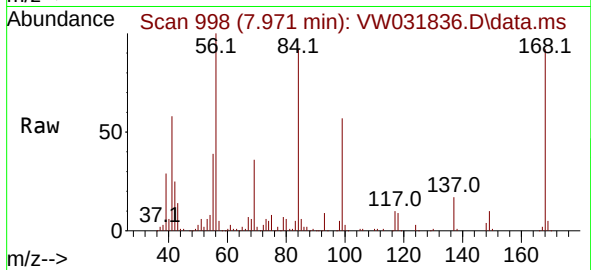
Tgt Ion: 83 Resp: 298589
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0





#31
Cyclohexane
Concen: 47.976 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

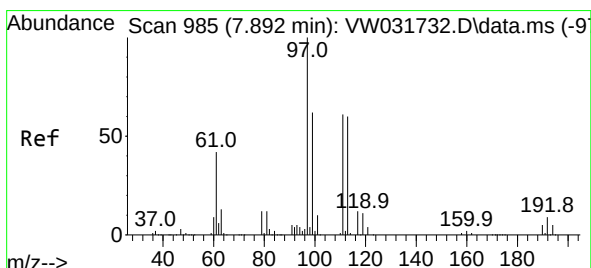
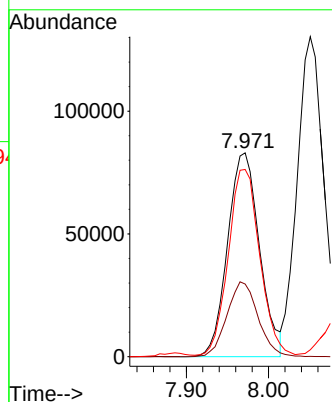
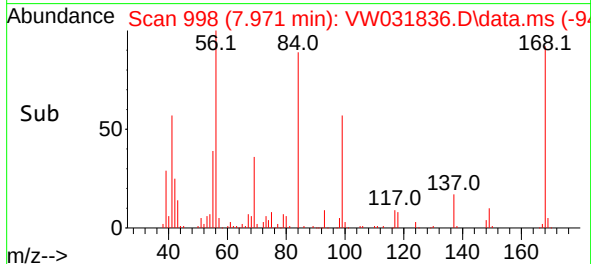
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



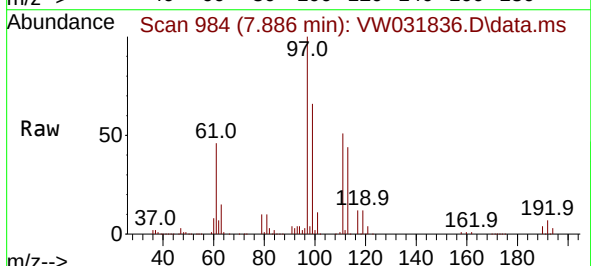
Tgt Ion: 56 Resp: 223869
Ion Ratio Lower Upper
56 100
69 35.7 27.2 40.8
84 90.2 68.5 102.7

Manual Integrations
APPROVED

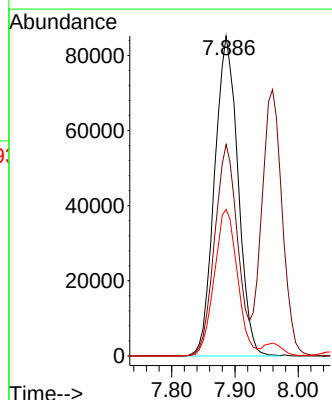
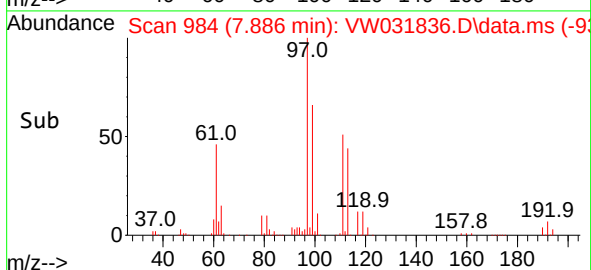
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

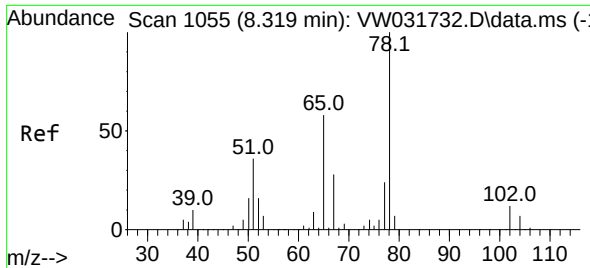


#32
1,1,1-Trichloroethane
Concen: 50.605 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



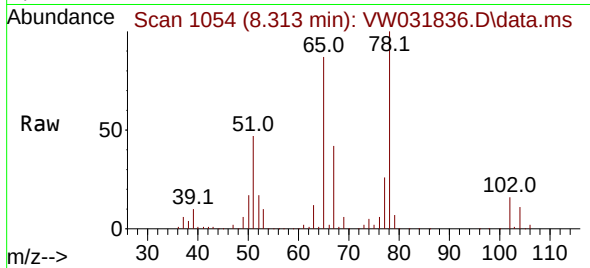
Tgt Ion: 97 Resp: 218753
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 45.5 36.0 54.0





#33
1,2-Dichloroethane-d4
Concen: 49.957 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

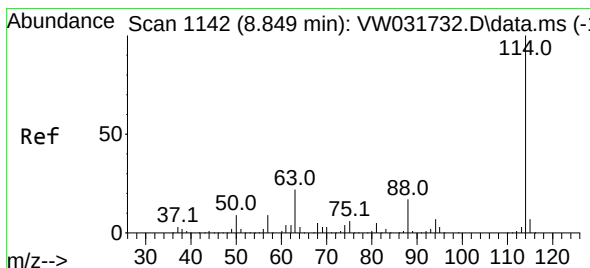
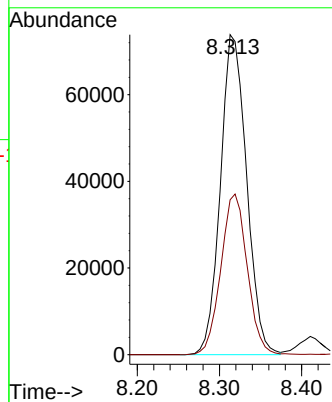
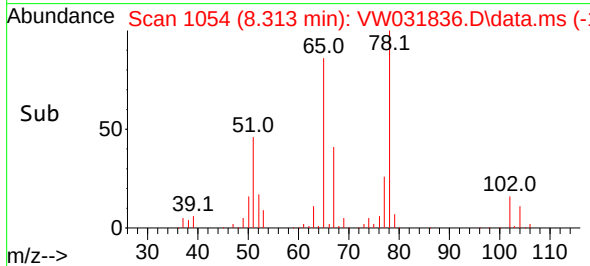
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 65 Resp: 163719
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

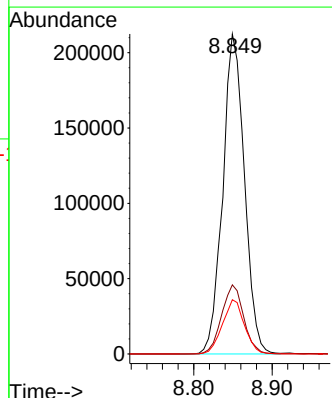
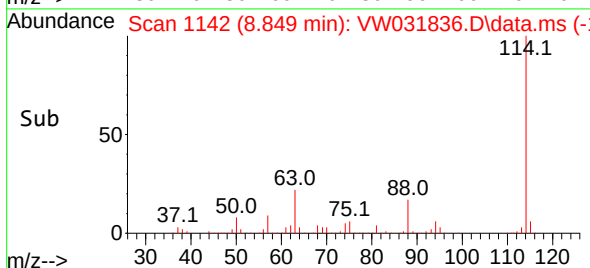
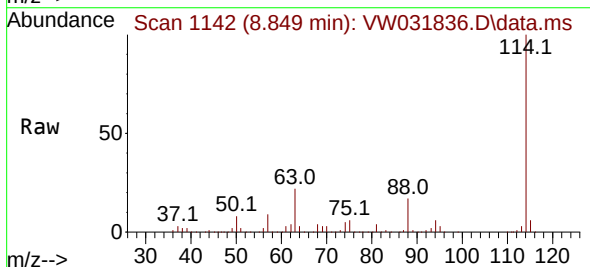
Manual Integrations
APPROVED

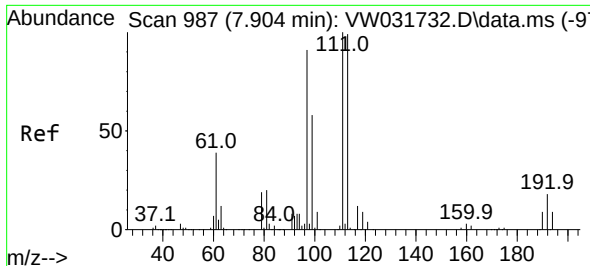
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

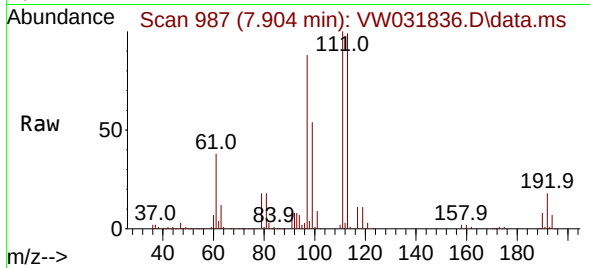
Tgt Ion:114 Resp: 408363
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.9 0.0 34.2





#35
Dibromofluoromethane
Concen: 50.884 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

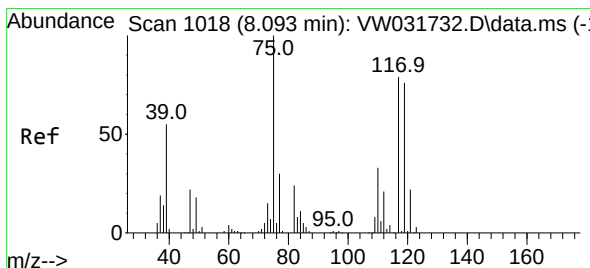
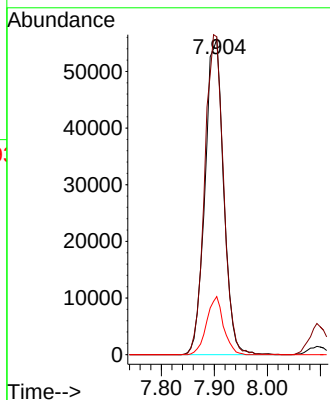
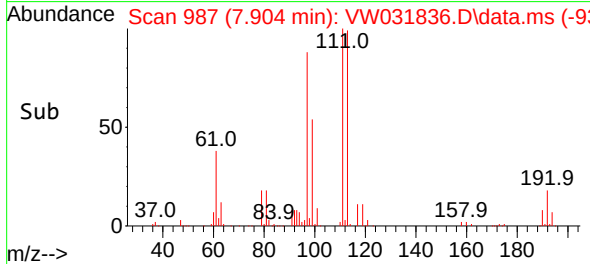
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



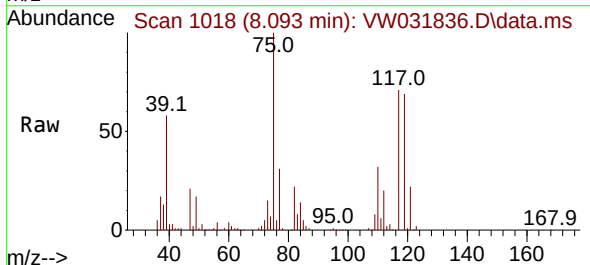
Tgt Ion:113 Resp: 135594
Ion Ratio Lower Upper
113 100
111 102.5 82.1 123.1
192 16.8 13.8 20.6

Manual Integrations
APPROVED

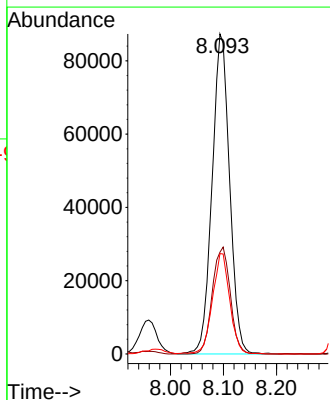
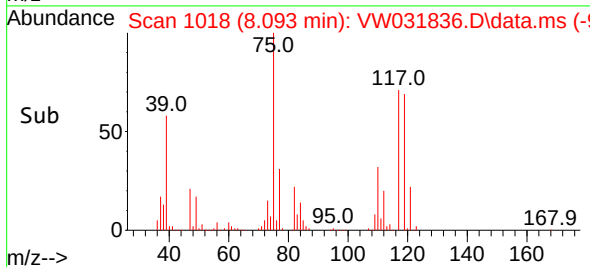
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

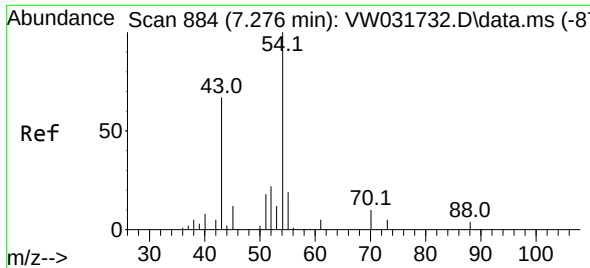


#36
1,1-Dichloropropene
Concen: 52.050 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 75 Resp: 200704
Ion Ratio Lower Upper
75 100
110 34.2 16.8 50.4
77 31.2 25.0 37.6





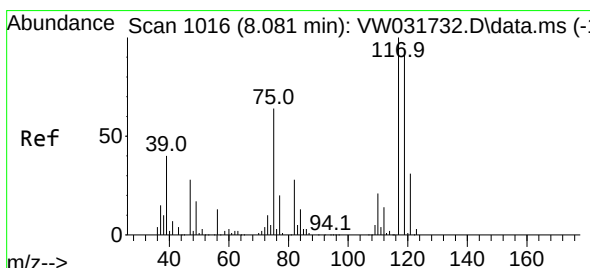
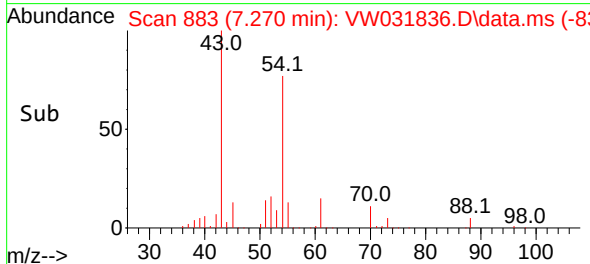
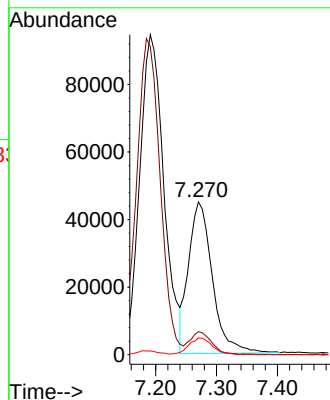
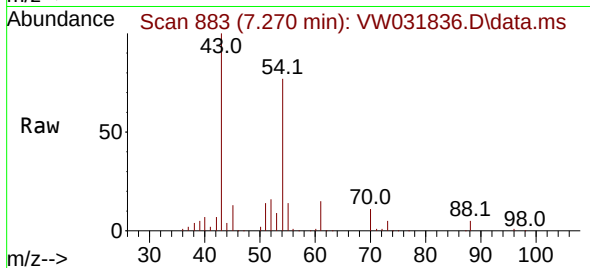
#37
Ethyl Acetate
Concen: 50.129 ug/l
RT: 7.270 min Scan# 81
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 12193
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.9 9.2 13.8

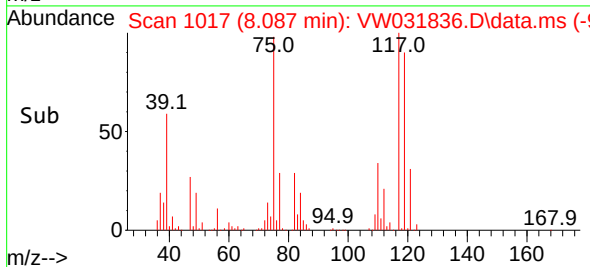
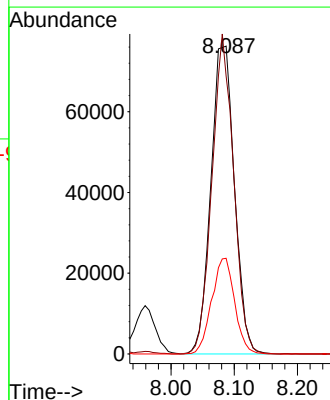
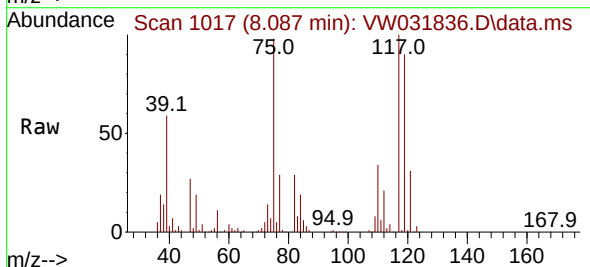
Manual Integrations
APPROVED

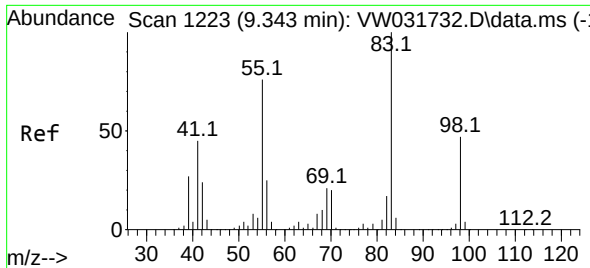
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#38
Carbon Tetrachloride
Concen: 50.500 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

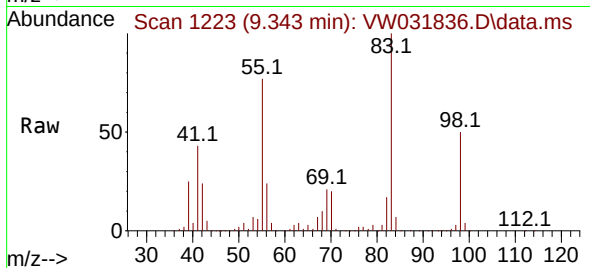
Tgt Ion:117 Resp: 198434
Ion Ratio Lower Upper
117 100
119 90.3 75.0 112.6
121 31.1 24.6 37.0





#39
Methylcyclohexane
Concen: 50.768 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

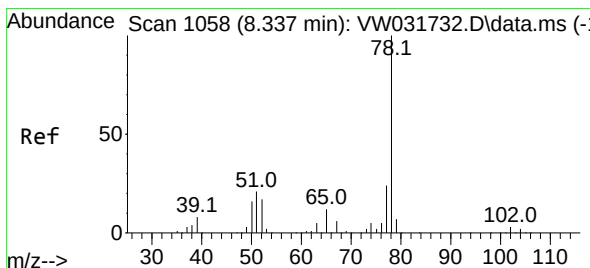
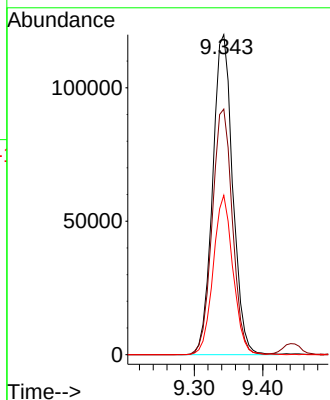
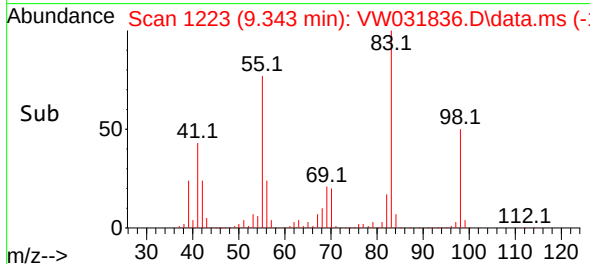
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



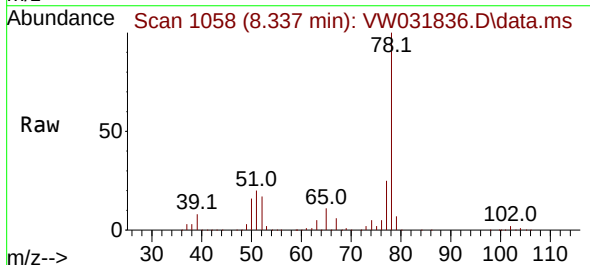
Tgt Ion: 83 Resp: 243562
Ion Ratio Lower Upper
83 100
55 76.7 61.0 91.4
98 49.8 37.9 56.9

Manual Integrations
APPROVED

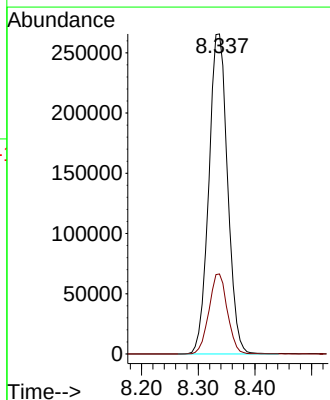
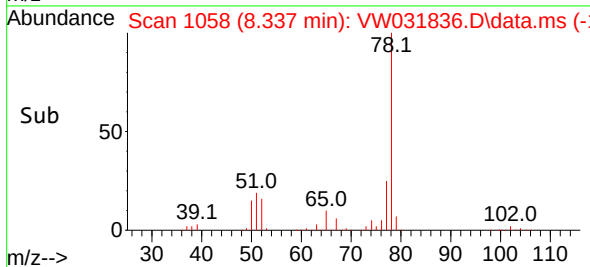
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

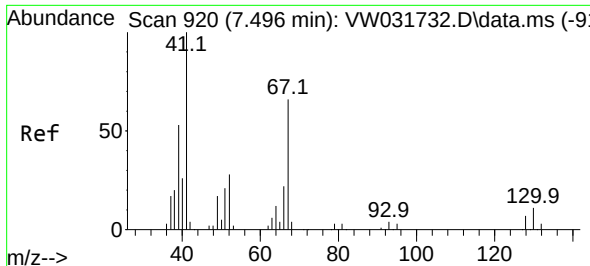


#40
Benzene
Concen: 53.424 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 78 Resp: 609486
Ion Ratio Lower Upper
78 100
77 25.0 19.2 28.8





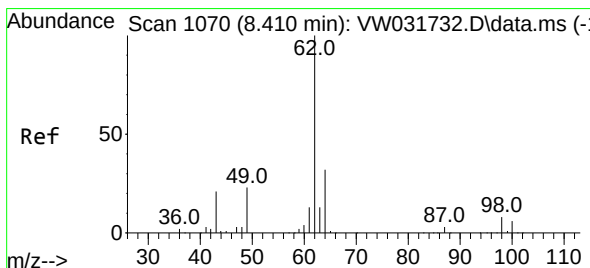
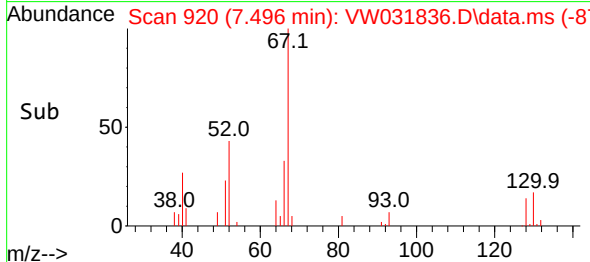
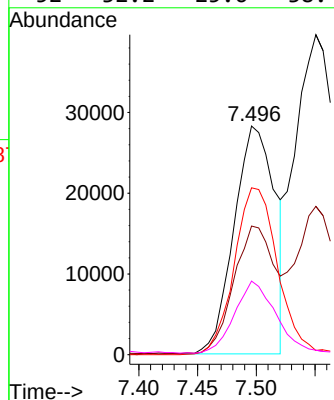
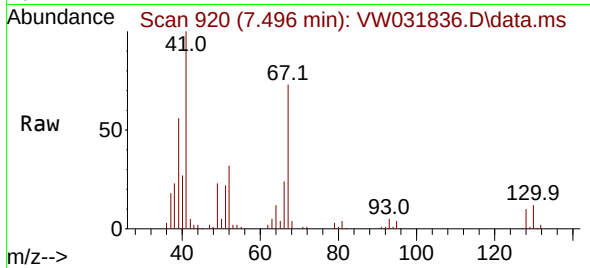
#41
Methacrylonitrile
Concen: 52.550 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 68470
Ion Ratio Lower Upper
41 100
39 55.5 43.2 64.8
67 78.6 58.1 87.1
52 32.2 25.6 38.4

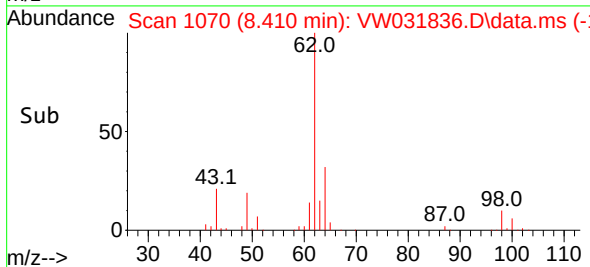
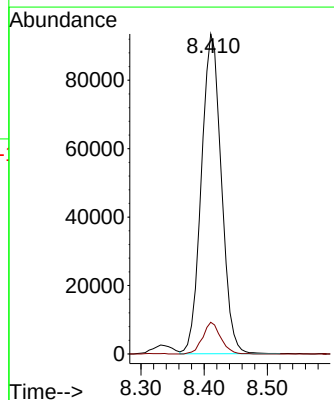
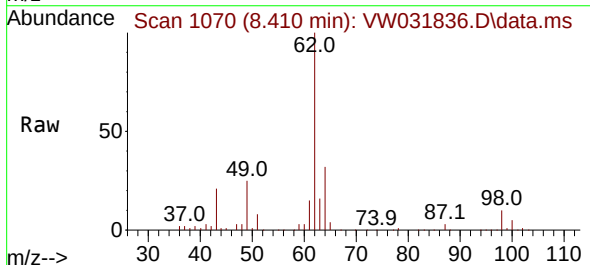
Manual Integrations
APPROVED

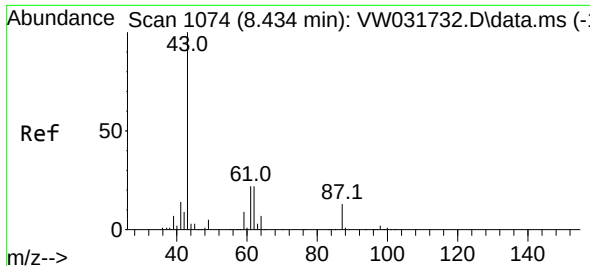
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#42
1,2-Dichloroethane
Concen: 53.407 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

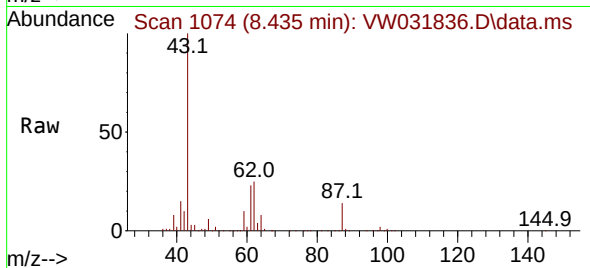
Tgt Ion: 62 Resp: 205872
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.2





#43
Isopropyl Acetate
Concen: 52.713 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

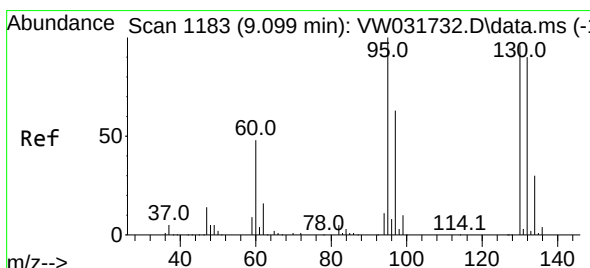
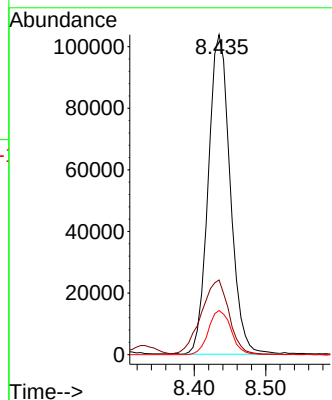
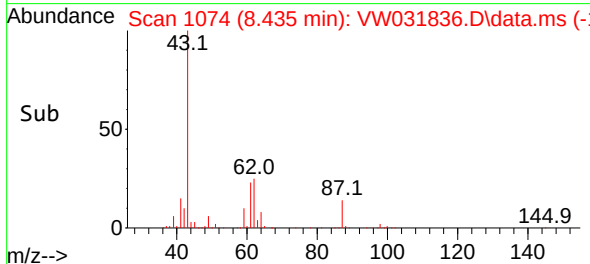
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



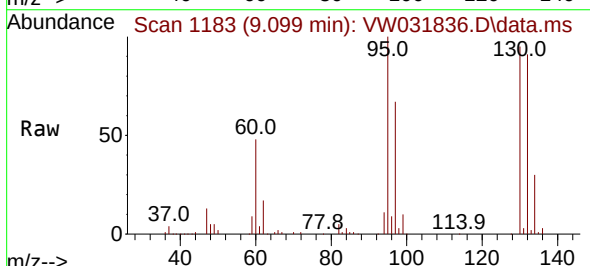
Tgt Ion: 43 Resp: 221020
Ion Ratio Lower Upper
43 100
61 29.6 23.1 34.7
87 14.2 10.8 16.2

Manual Integrations
APPROVED

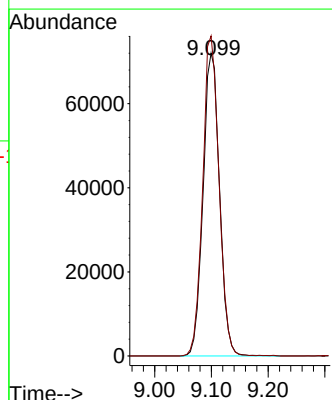
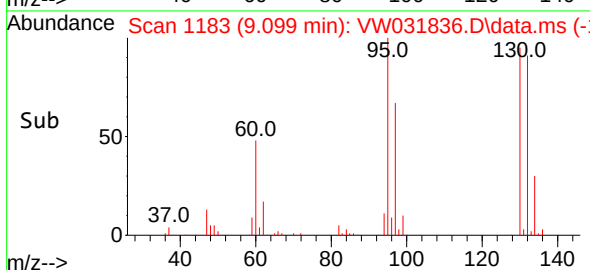
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

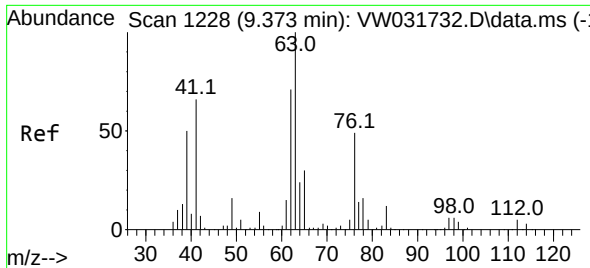


#44
Trichloroethene
Concen: 51.032 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



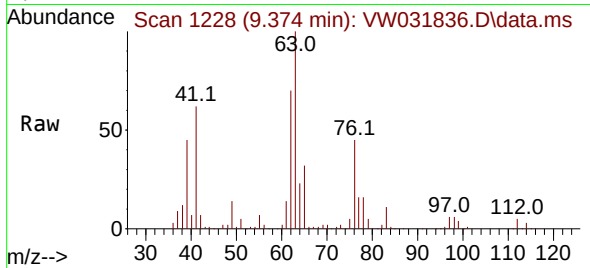
Tgt Ion:130 Resp: 145311
Ion Ratio Lower Upper
130 100
95 105.6 0.0 208.6





#45
1,2-Dichloropropane
Concen: 54.772 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

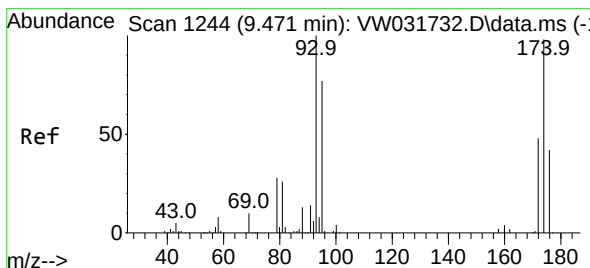
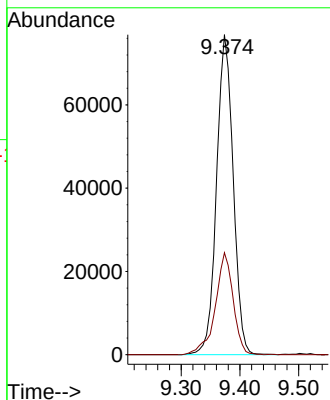
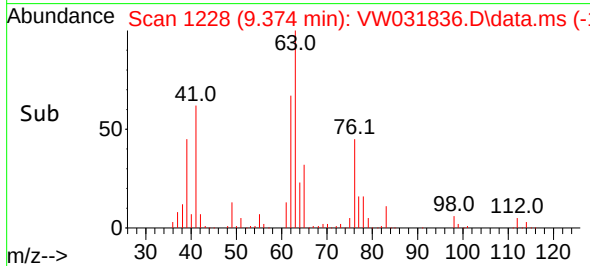
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



Tgt Ion: 63 Resp: 151020
Ion Ratio Lower Upper
63 100
65 31.8 24.2 36.4

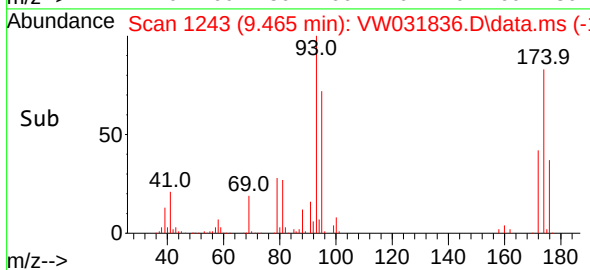
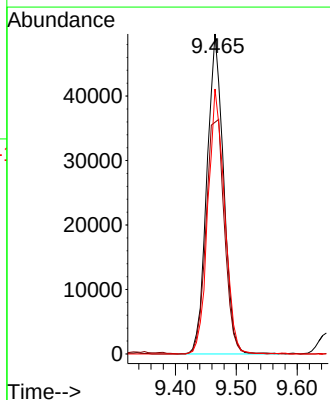
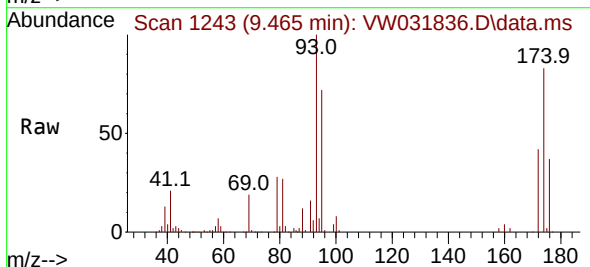
Manual Integrations
APPROVED

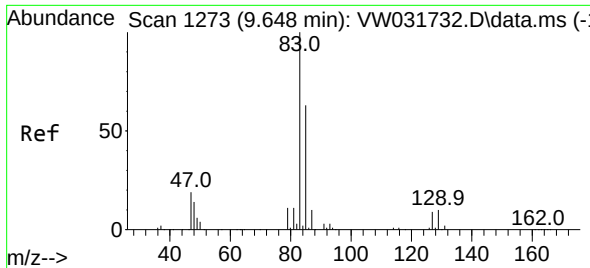
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#46
Dibromomethane
Concen: 53.148 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

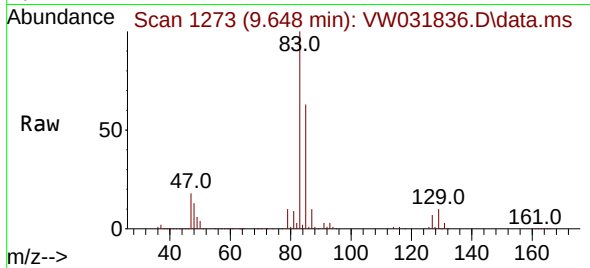
Tgt Ion: 93 Resp: 94610
Ion Ratio Lower Upper
93 100
95 81.4 67.0 100.4
174 82.7 71.7 107.5





#47
Bromodichloromethane
Concen: 54.479 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

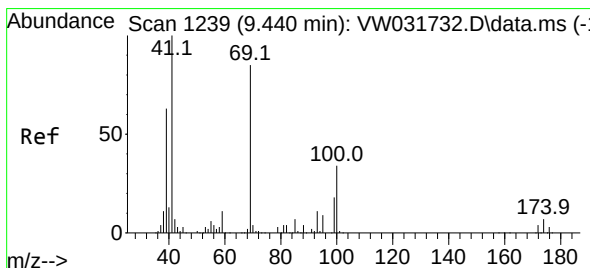
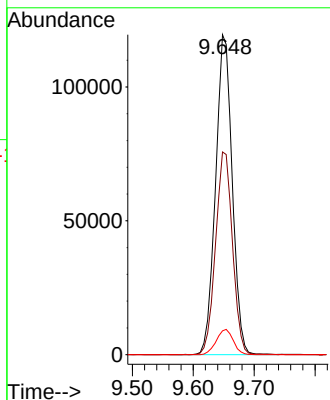
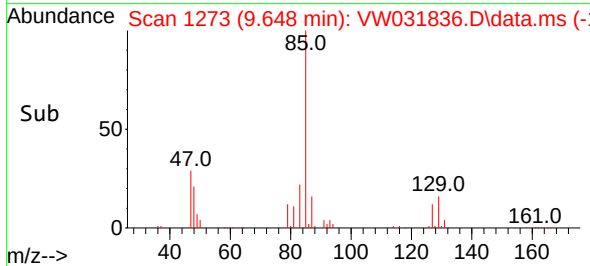
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



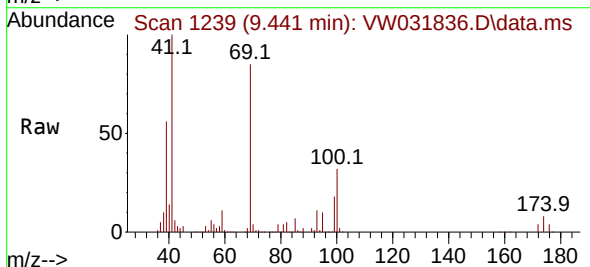
Tgt Ion: 83 Resp: 22741
Ion Ratio Lower Upper
83 100
85 63.3 50.8 76.2
127 7.5 6.8 10.2

Manual Integrations
APPROVED

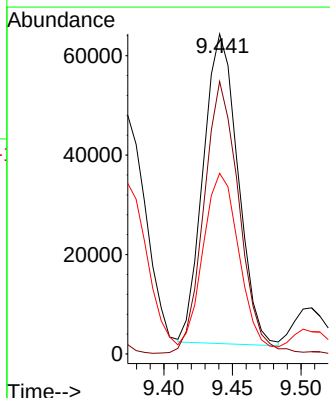
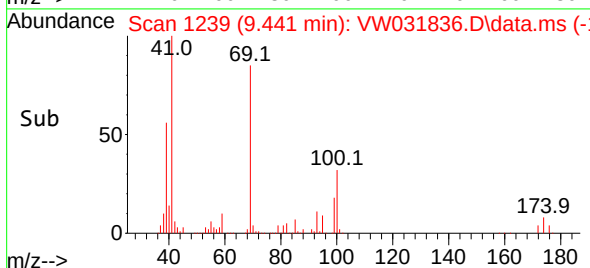
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

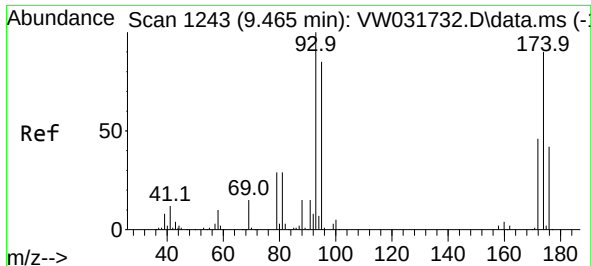


#48
Methyl methacrylate
Concen: 53.191 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 41 Resp: 109666
Ion Ratio Lower Upper
41 100
69 89.1 71.6 107.4
39 57.1 49.5 74.3





#49

1,4-Dioxane

Concen: 989.318 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 20620

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

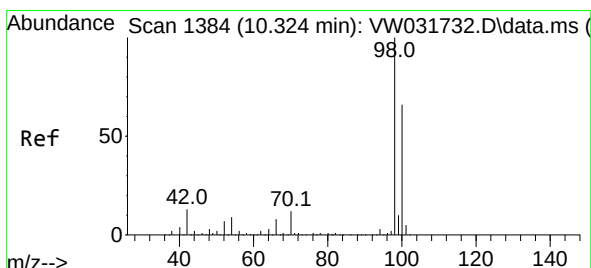
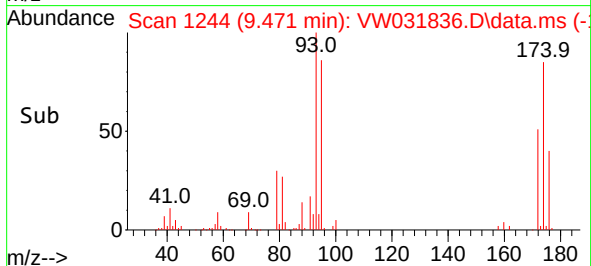
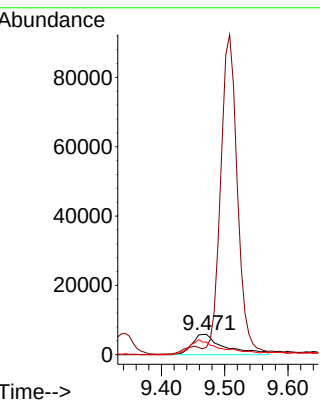
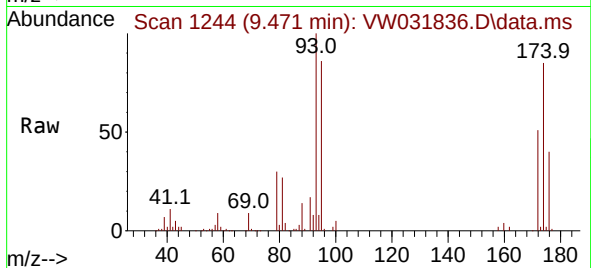
58 73.2 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#50

Toluene-d8

Concen: 50.556 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031836.D

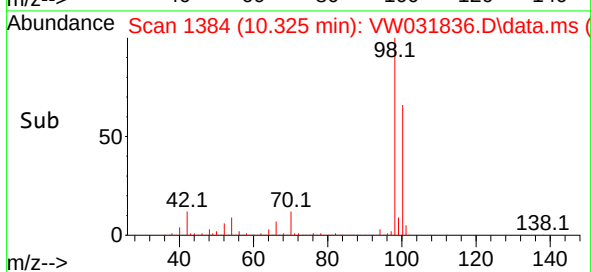
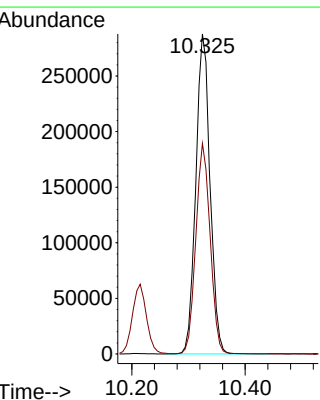
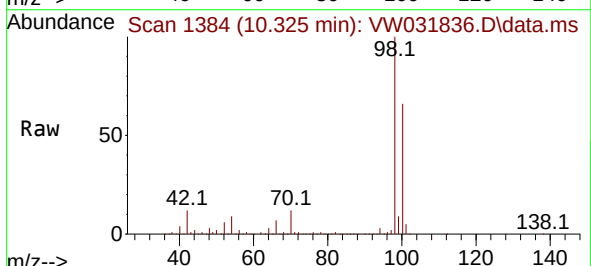
Acq: 14 Jul 2025 09:17

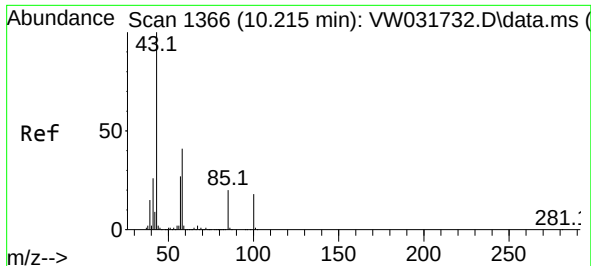
Tgt Ion: 98 Resp: 501344

Ion Ratio Lower Upper

98 100

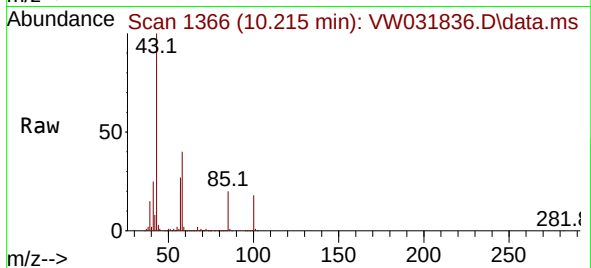
100 66.2 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 259.792 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

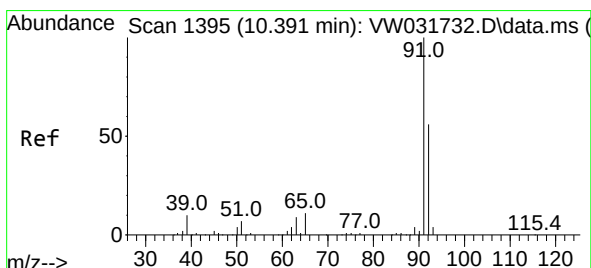
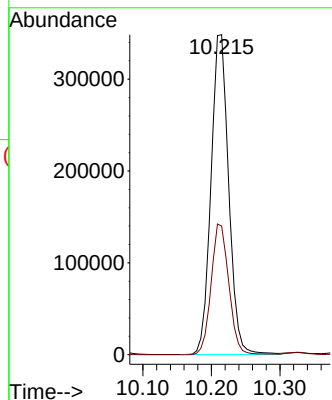
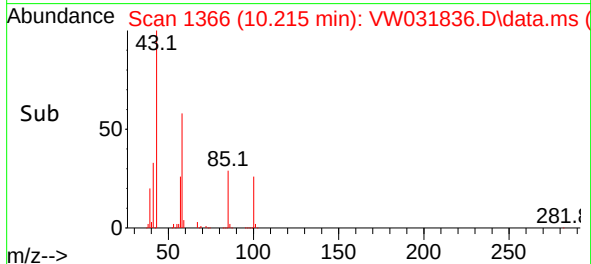
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



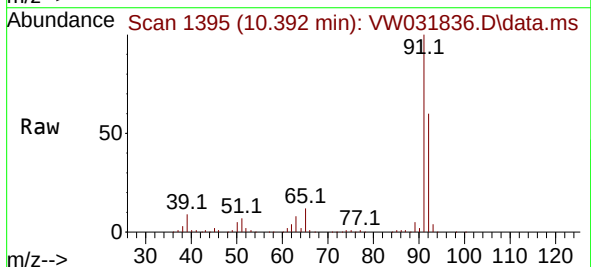
Tgt Ion: 43 Resp: 62625
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.2

Manual Integrations
APPROVED

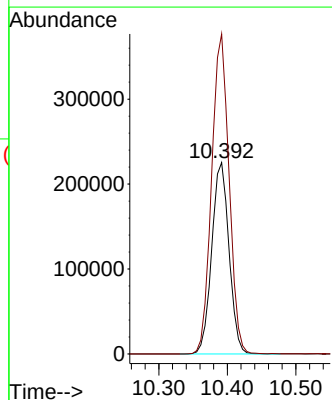
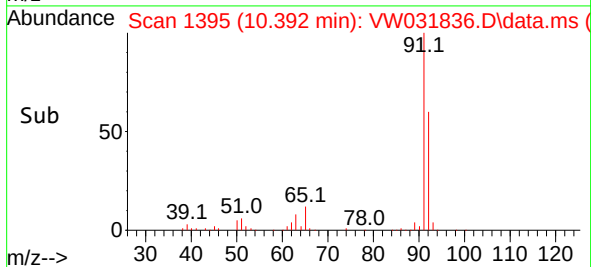
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

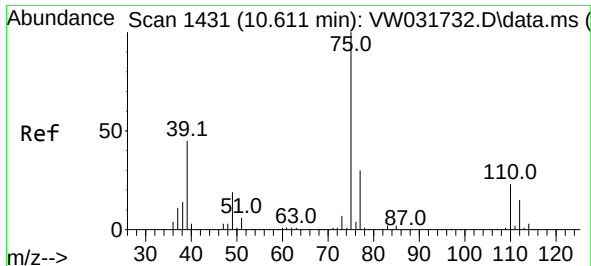


#52
Toluene
Concen: 53.951 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



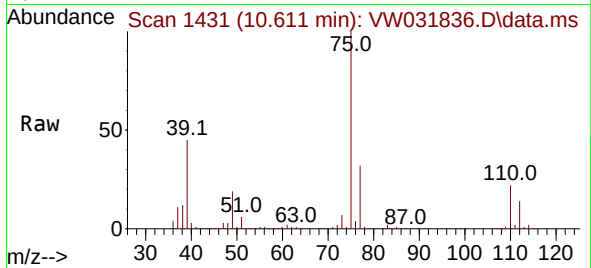
Tgt Ion: 92 Resp: 394081
Ion Ratio Lower Upper
92 100
91 168.4 139.5 209.3





#53
t-1,3-Dichloropropene
Concen: 55.997 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

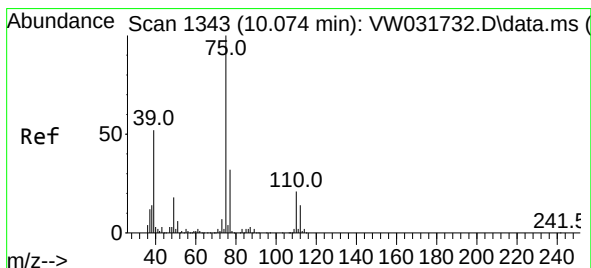
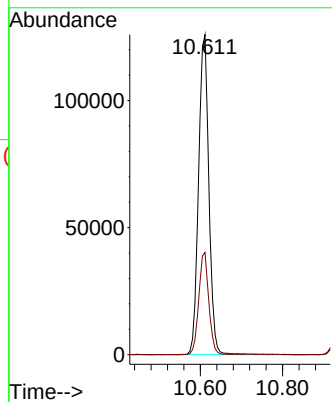
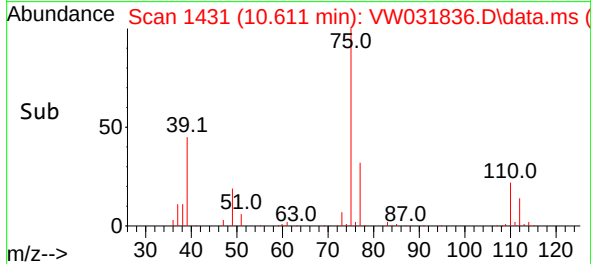
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



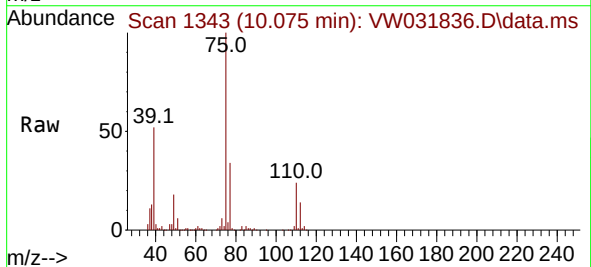
Tgt Ion: 75 Resp: 219310
Ion Ratio Lower Upper
75 100
77 31.9 24.3 36.5

Manual Integrations
APPROVED

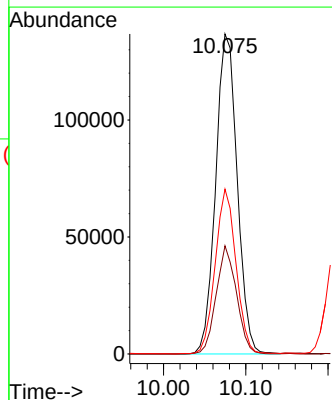
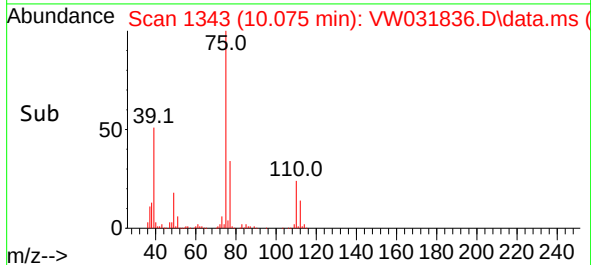
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

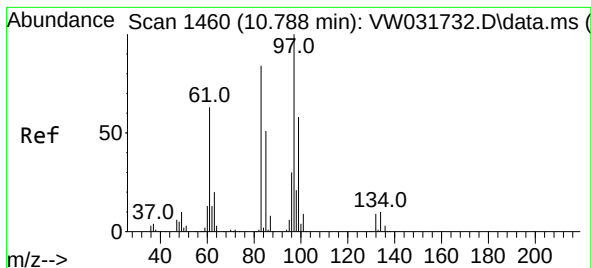


#54
cis-1,3-Dichloropropene
Concen: 56.048 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



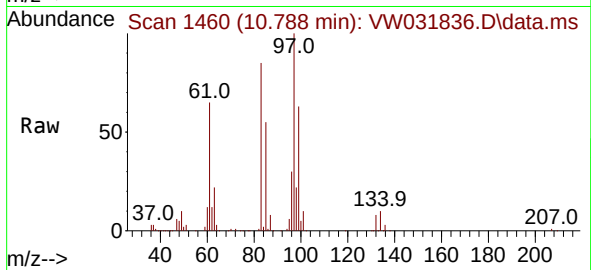
Tgt Ion: 75 Resp: 248851
Ion Ratio Lower Upper
75 100
77 33.8 25.4 38.2
39 51.4 41.8 62.6





#55
1,1,2-Trichloroethane
Concen: 53.895 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

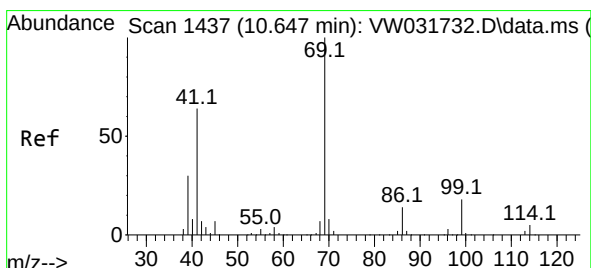
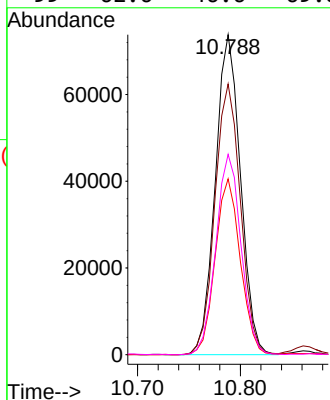
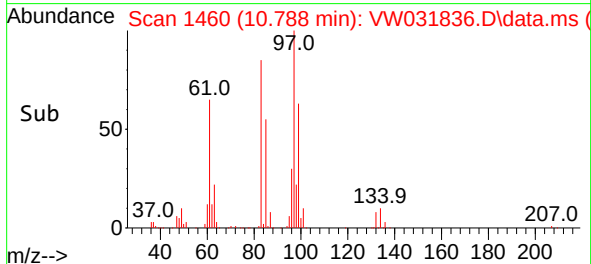
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



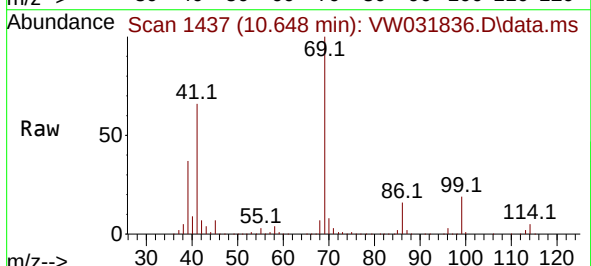
Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.9	100.3
85	55.0	41.1	61.7
99	62.6	46.6	69.8

Manual Integrations
APPROVED

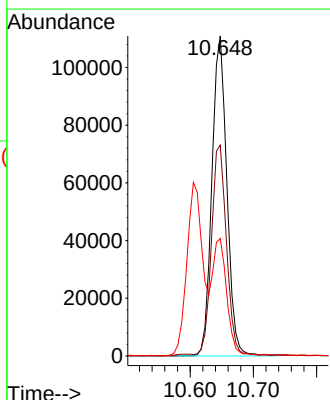
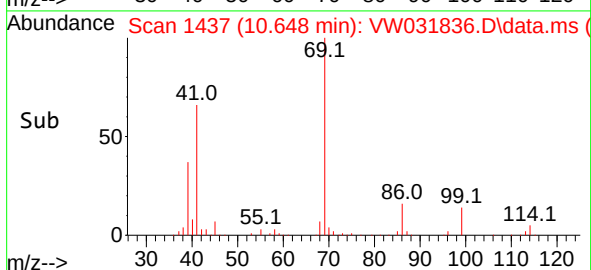
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

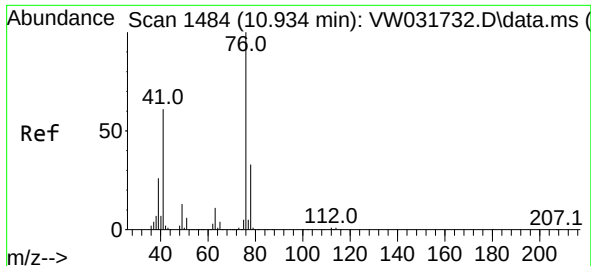


#56
Ethyl methacrylate
Concen: 57.487 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.3	79.9
39	34.1	30.2	45.2





#57

1,3-Dichloropropane

Concen: 54.390 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 22267

Ion Ratio Lower Upper

76 100

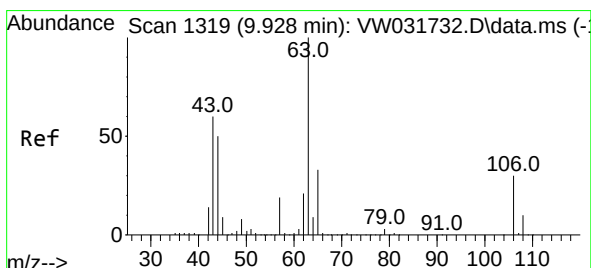
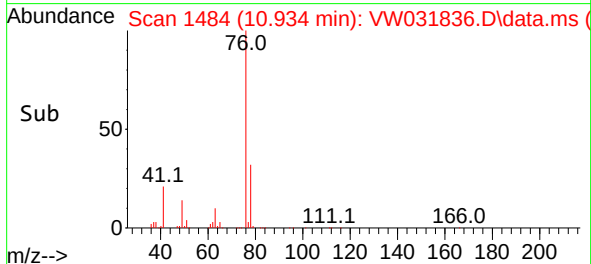
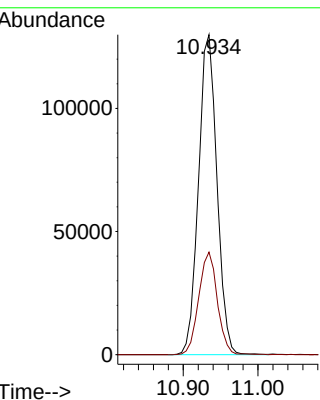
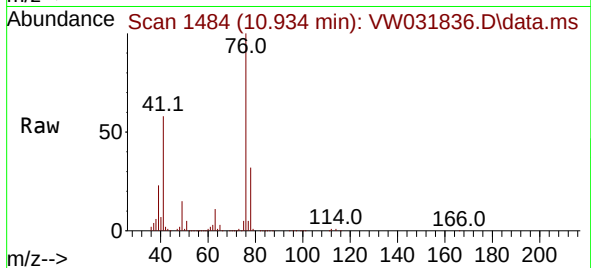
78 32.3 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 260.532 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031836.D

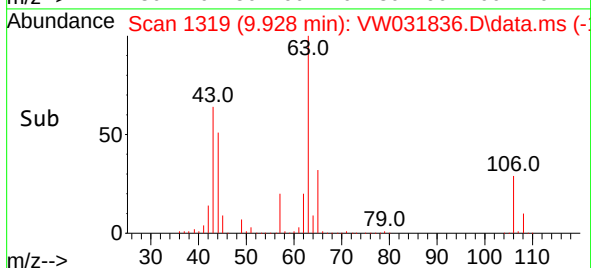
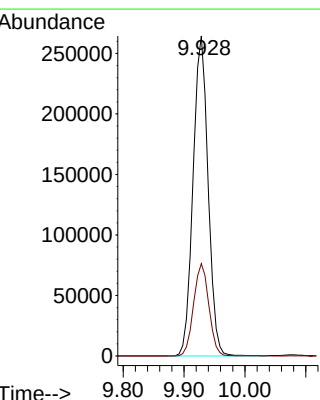
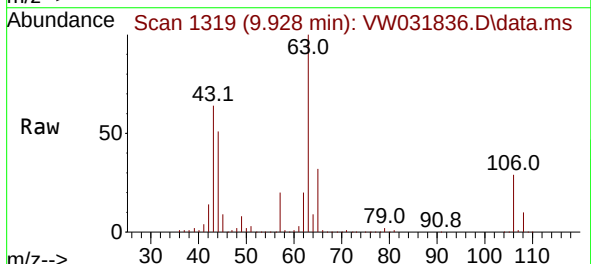
Acq: 14 Jul 2025 09:17

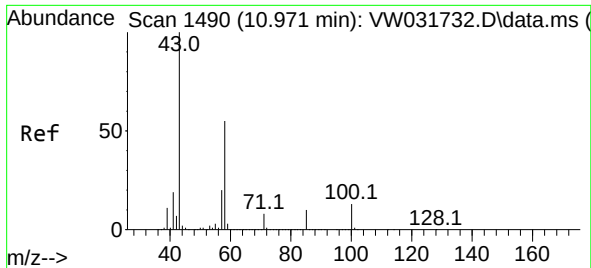
Tgt Ion: 63 Resp: 453835

Ion Ratio Lower Upper

63 100

106 29.2 24.1 36.1





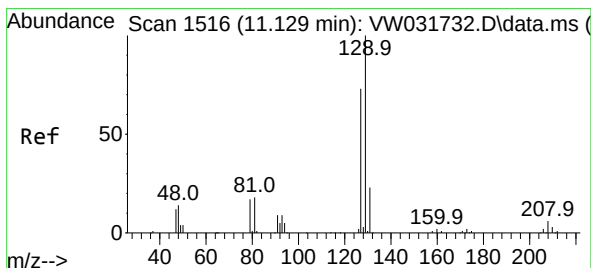
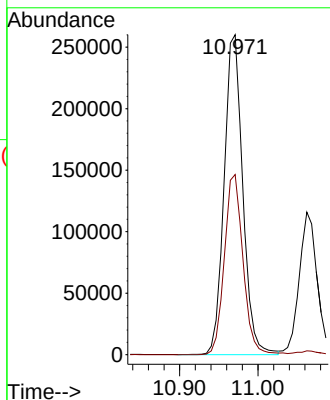
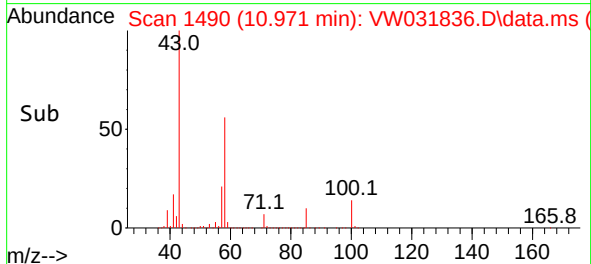
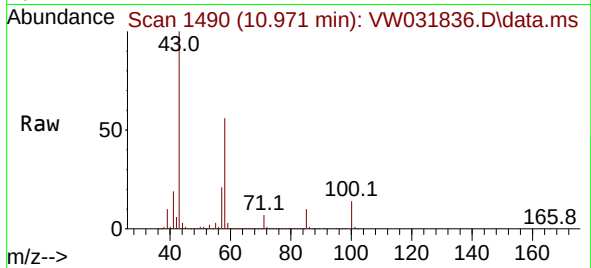
#59
2-Hexanone
Concen: 263.418 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 43030
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.6

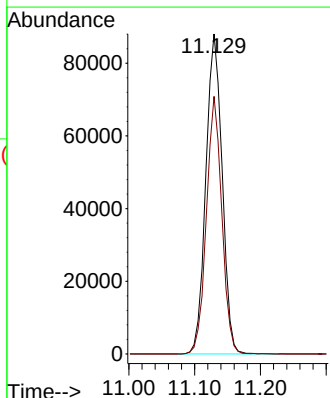
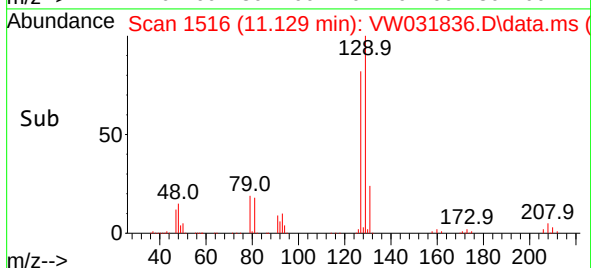
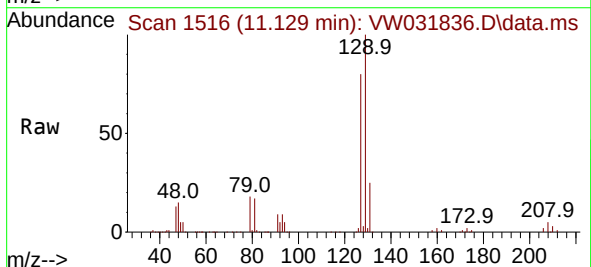
Manual Integrations
APPROVED

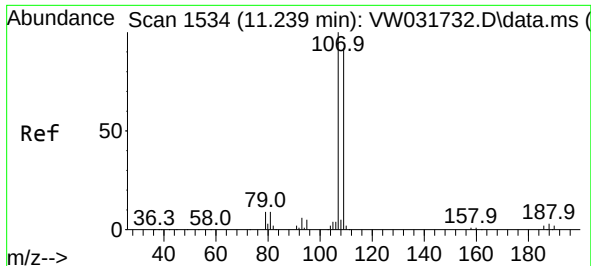
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#60
Dibromochloromethane
Concen: 54.520 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

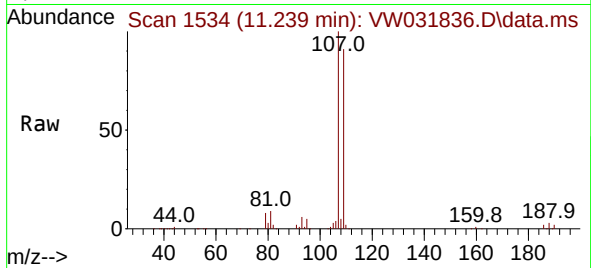
Tgt Ion:129 Resp: 152023
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





#61
1,2-Dibromoethane
Concen: 52.269 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

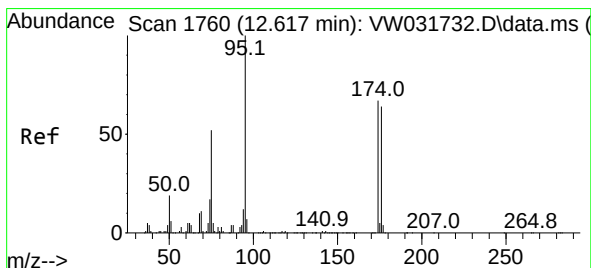
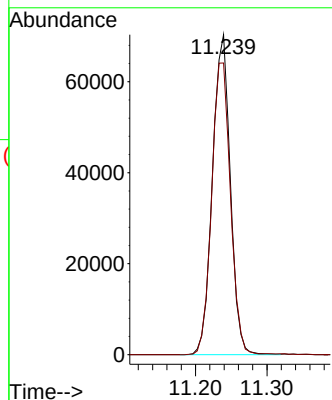
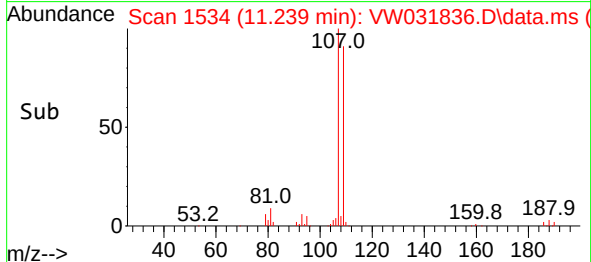
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



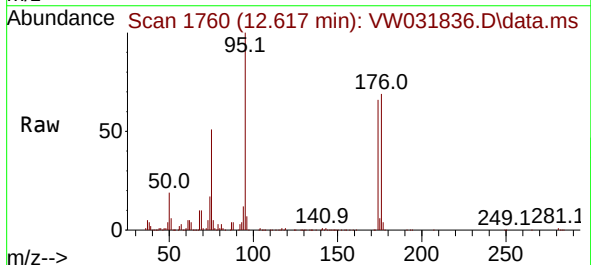
Tgt Ion:107 Resp: 12201
Ion Ratio Lower Upper
107 100
109 95.9 73.9 110.9

Manual Integrations
APPROVED

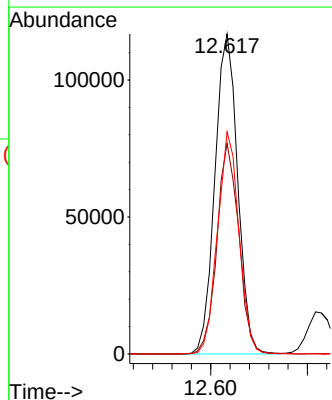
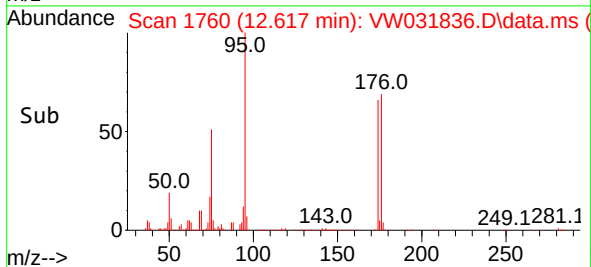
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

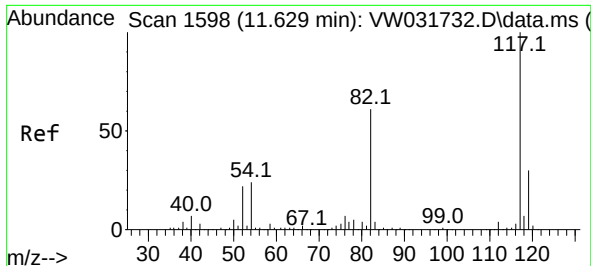


#62
4-Bromofluorobenzene
Concen: 52.159 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



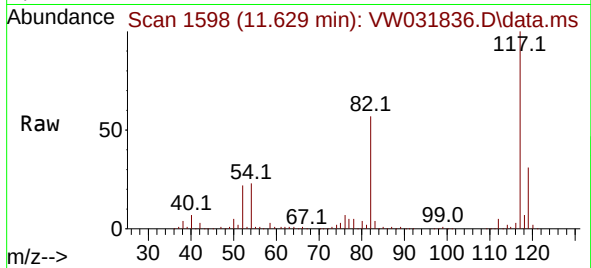
Tgt Ion: 95 Resp: 190344
Ion Ratio Lower Upper
95 100
174 63.4 0.0 133.8
176 65.7 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

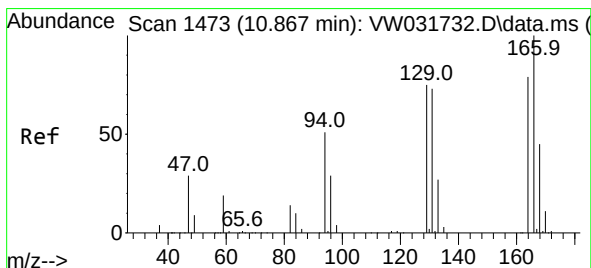
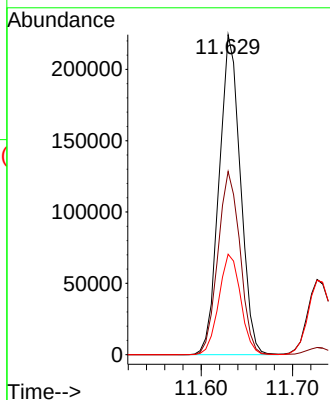
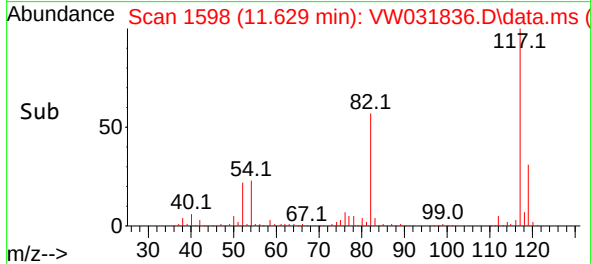
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



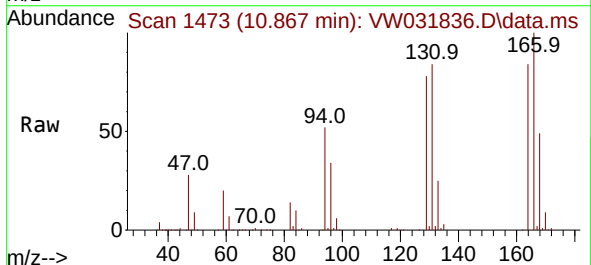
Tgt Ion:117 Resp: 36407
Ion Ratio Lower Upper
117 100
82 57.3 48.6 72.8
119 31.4 23.9 35.9

Manual Integrations
APPROVED

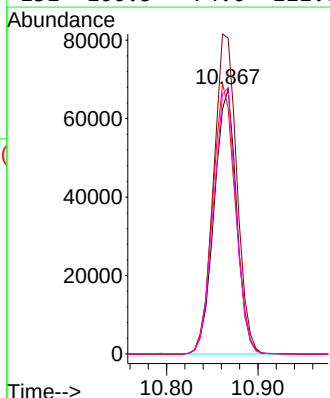
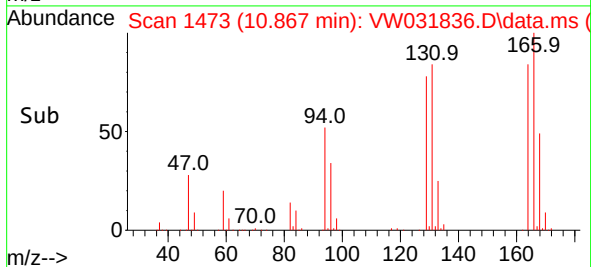
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

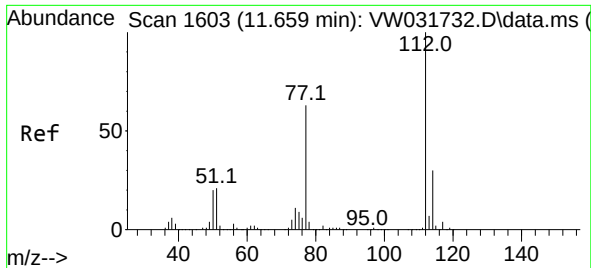


#64
Tetrachloroethene
Concen: 48.361 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion:164 Resp: 115170
Ion Ratio Lower Upper
164 100
166 119.3 100.7 151.1
129 93.0 75.4 113.0
131 100.5 74.0 111.0





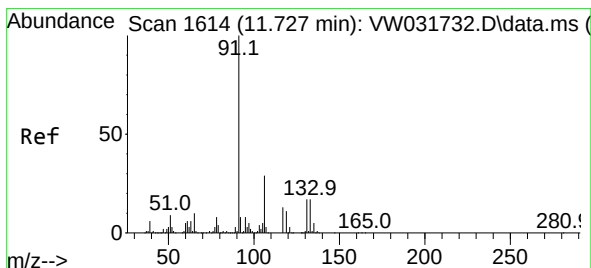
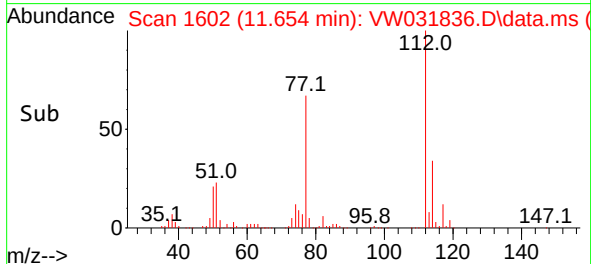
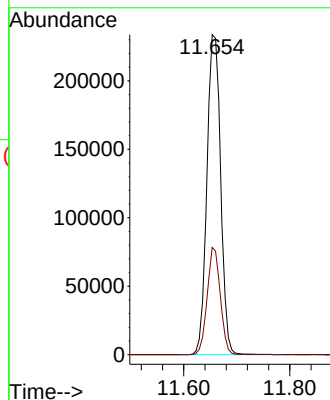
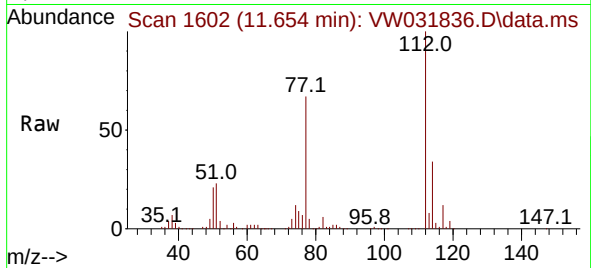
#65
Chlorobenzene
Concen: 52.207 ug/l
RT: 11.654 min Scan# 1112
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 41936
Ion Ratio Lower Upper
112 100
114 33.5 23.8 35.8

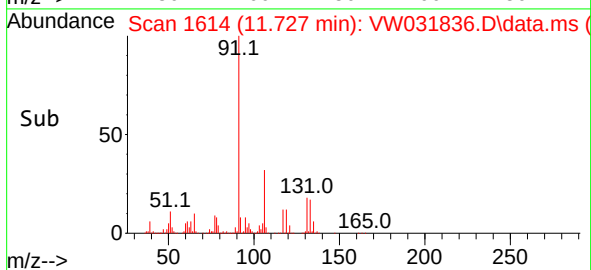
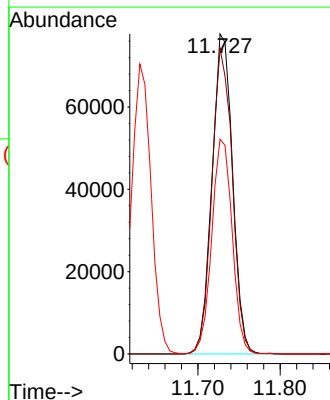
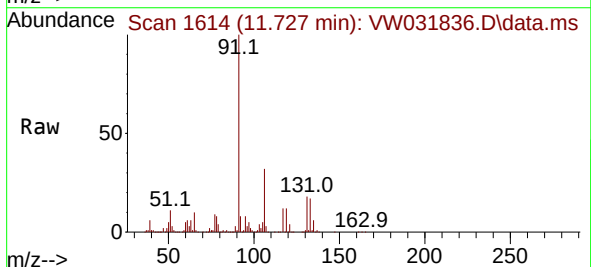
Manual Integrations
APPROVED

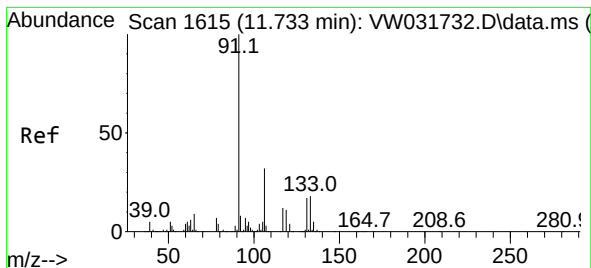
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.880 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

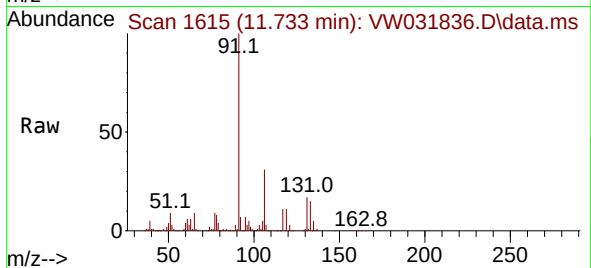
Tgt Ion:131 Resp: 135360
Ion Ratio Lower Upper
131 100
133 95.0 48.5 145.6
119 66.7 32.5 97.5





#67
Ethyl Benzene
Concen: 53.161 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

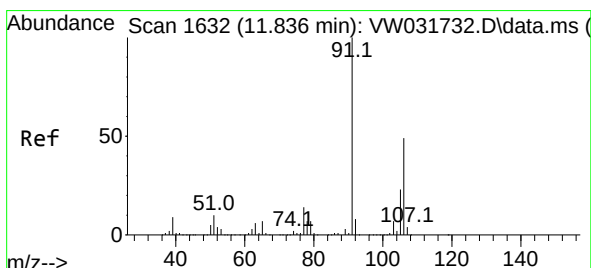
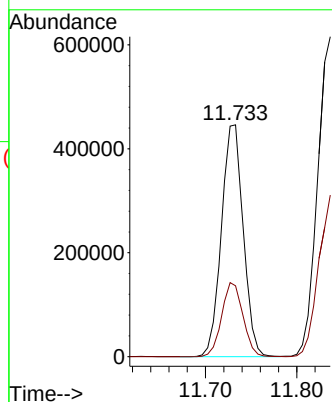
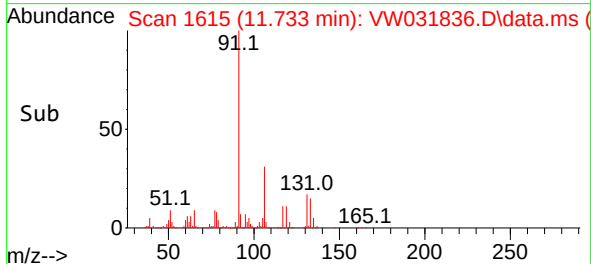
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



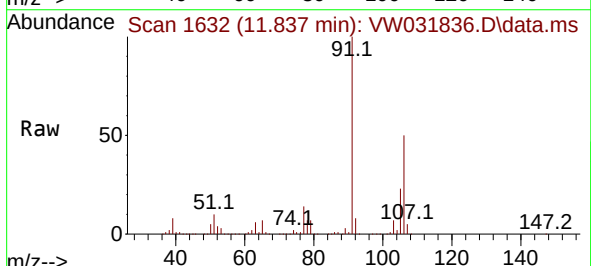
Tgt Ion: 91 Resp: 74047
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

Manual Integrations
APPROVED

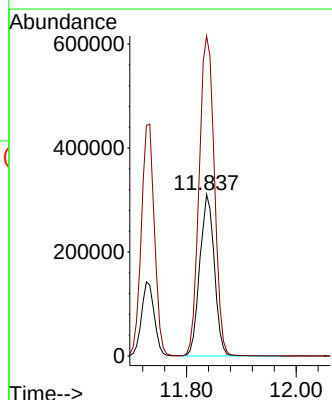
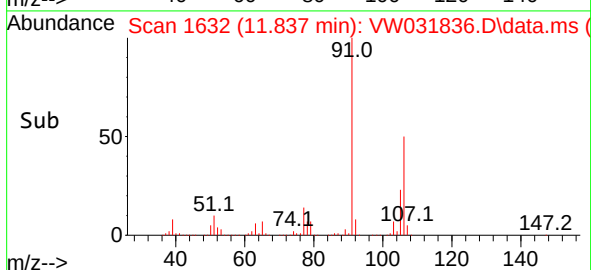
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

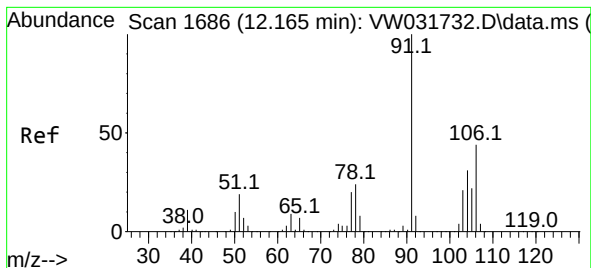


#68
m/p-Xylenes
Concen: 106.930 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



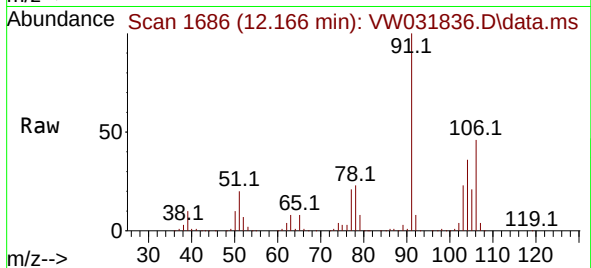
Tgt Ion:106 Resp: 572560
Ion Ratio Lower Upper
106 100
91 207.5 166.4 249.6





#69
o-Xylene
Concen: 55.153 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

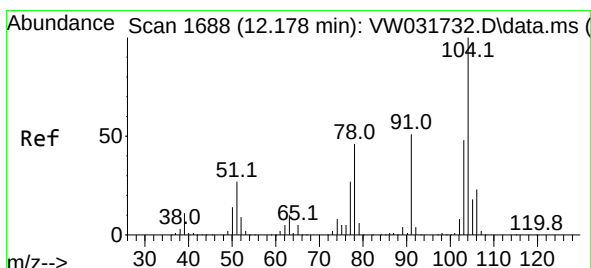
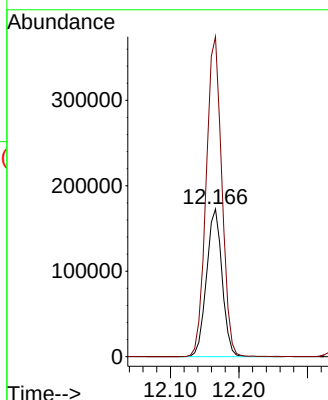
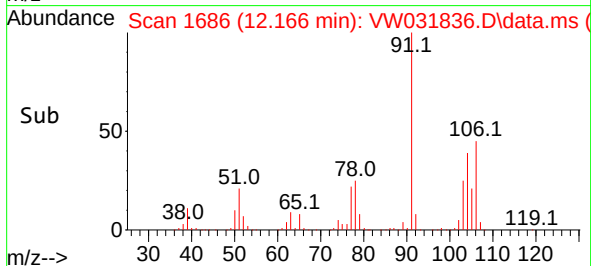
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



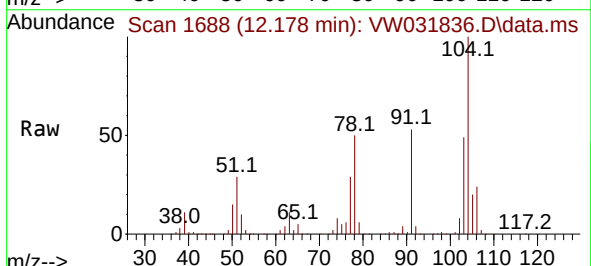
Tgt Ion:106 Resp: 27343
Ion Ratio Lower Upper
106 100
91 218.2 111.5 334.4

Manual Integrations
APPROVED

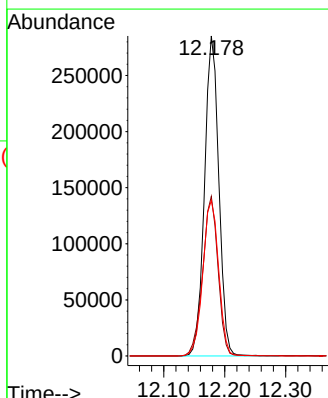
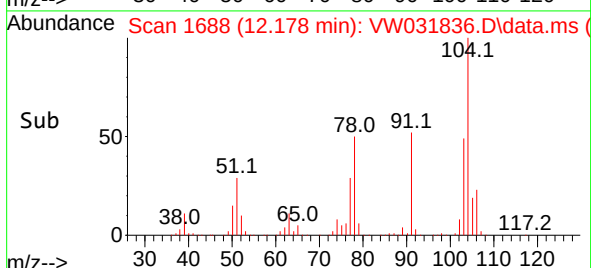
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

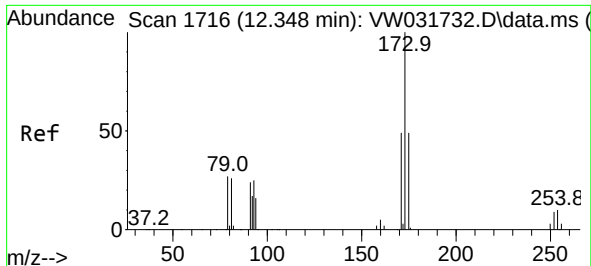


#70
Styrene
Concen: 54.348 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



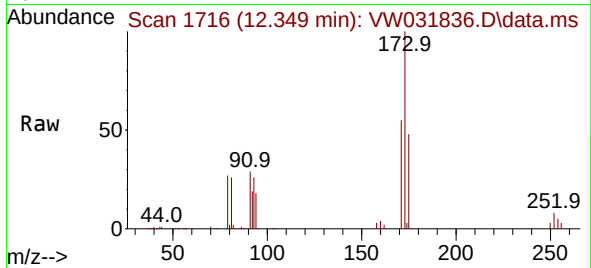
Tgt Ion:104 Resp: 465805
Ion Ratio Lower Upper
104 100
78 53.5 42.1 63.1
103 53.8 43.0 64.6





#71
Bromoform
Concen: 51.612 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

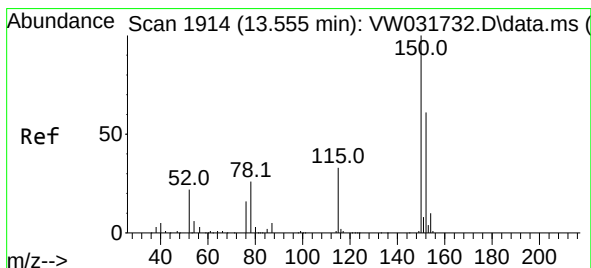
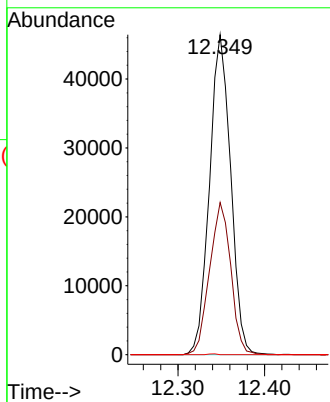
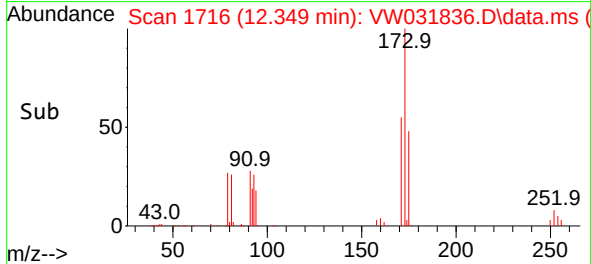
Instrument :
MSVOA_W
ClientSampleId :
VSTDC050



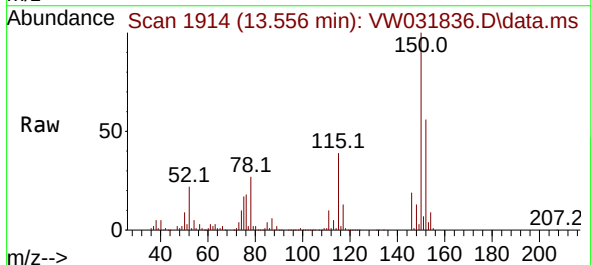
Tgt Ion:173 Resp: 78814
Ion Ratio Lower Upper
173 100
175 47.6 24.0 72.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

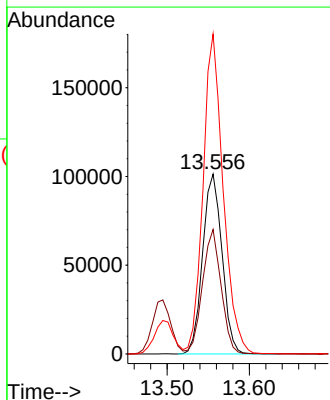
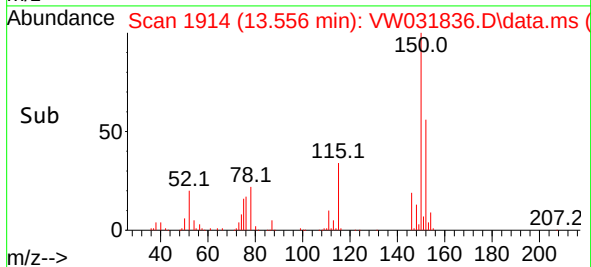
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

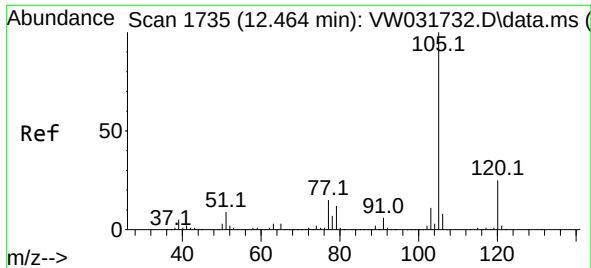


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



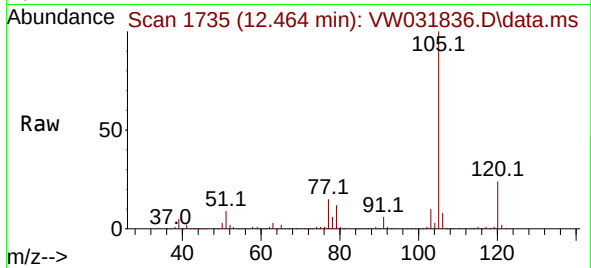
Tgt Ion:152 Resp: 165994
Ion Ratio Lower Upper
152 100
115 66.5 31.9 95.7
150 184.6 0.0 356.4





#73
Isopropylbenzene
Concen: 54.837 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

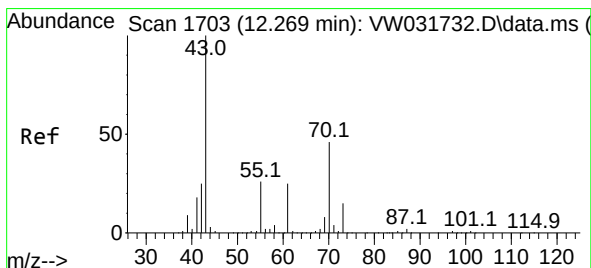
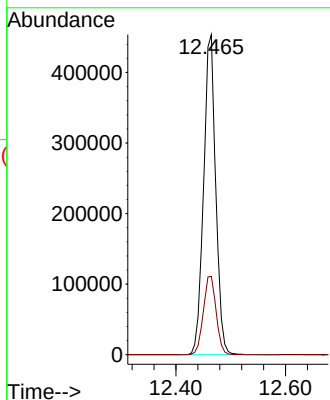
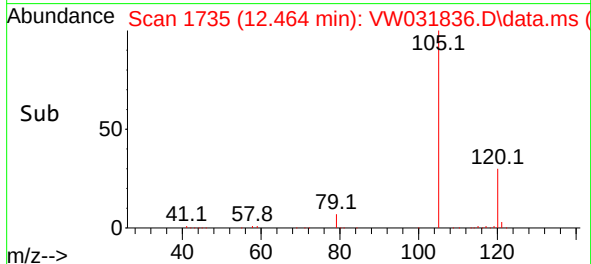
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



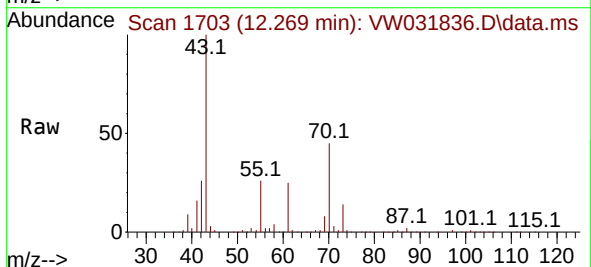
Tgt Ion: 105 Resp: 692398
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

Manual Integrations
APPROVED

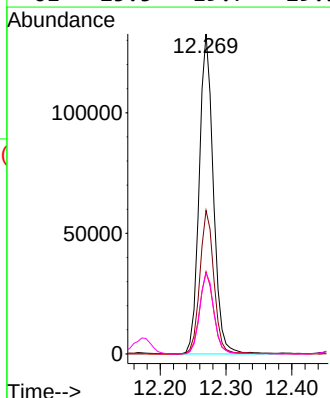
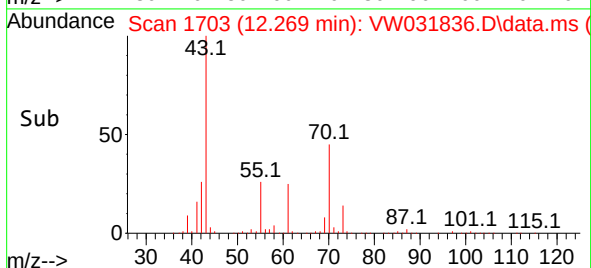
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

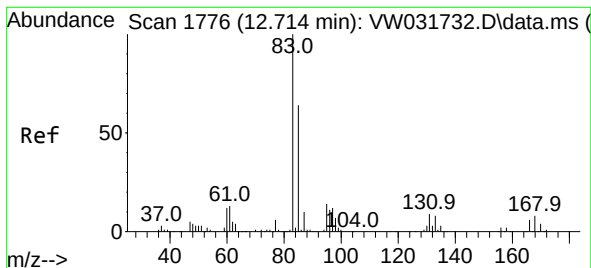


#74
N-ethyl acetate
Concen: 58.389 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 43 Resp: 198710
Ion Ratio Lower Upper
43 100
70 44.8 36.0 54.0
55 25.8 20.8 31.2
61 25.5 19.7 29.5





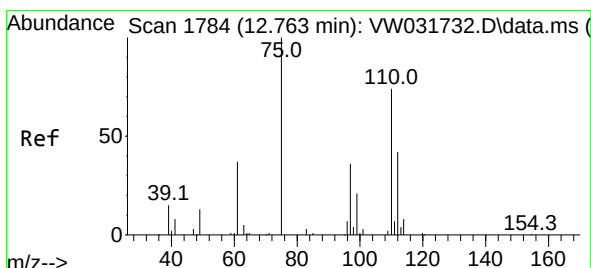
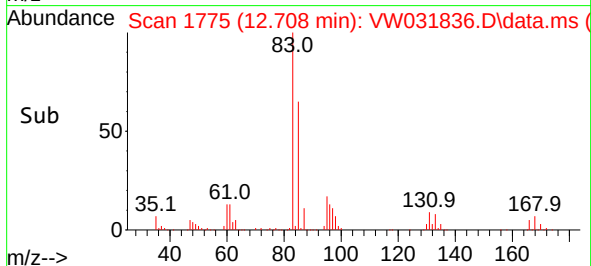
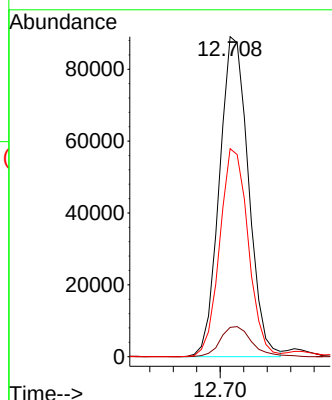
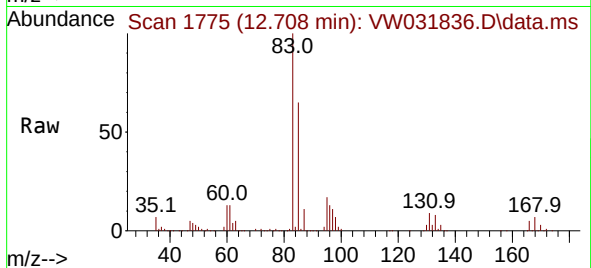
#75
1,1,2,2-Tetrachloroethane
Concen: 54.511 ug/l
RT: 12.708 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 15280
Ion Ratio Lower Upper
83 100
131 10.2 5.3 16.1
85 63.9 32.0 96.2

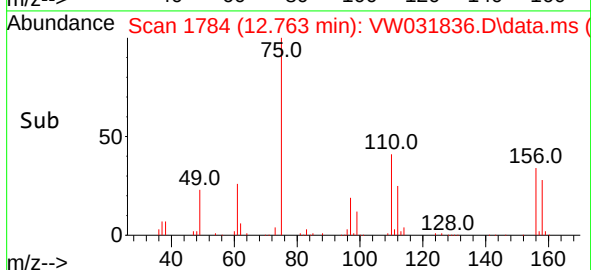
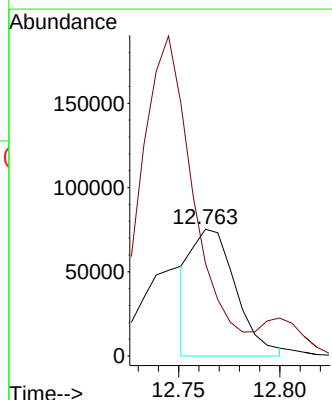
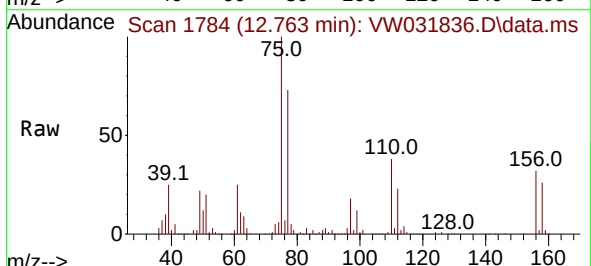
Manual Integrations
APPROVED

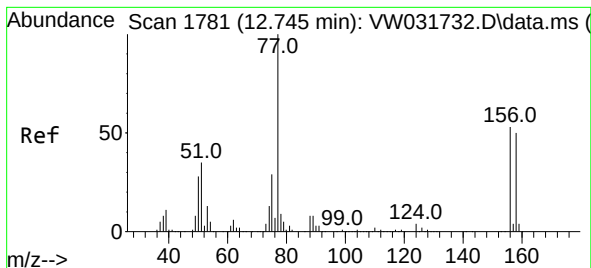
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#76
1,2,3-Trichloropropane
Concen: 53.802 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

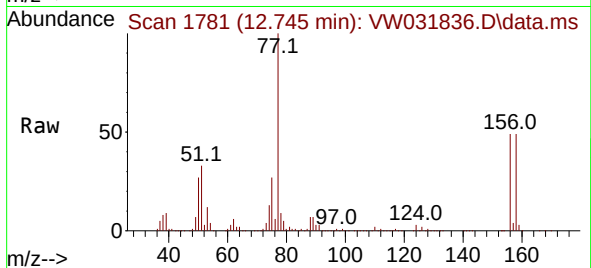
Tgt Ion: 75 Resp: 115411
Ion Ratio Lower Upper
75 100
77 298.0 141.2 423.6





#77
Bromobenzene
Concen: 53.439 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

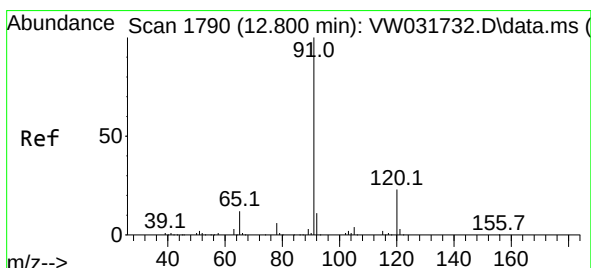
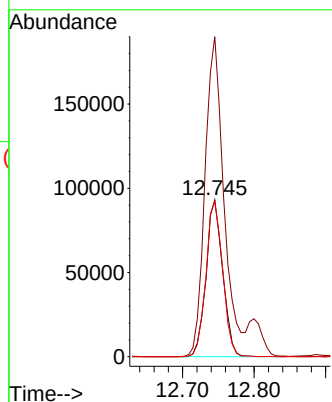
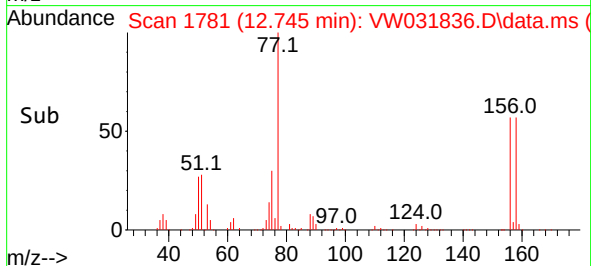
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



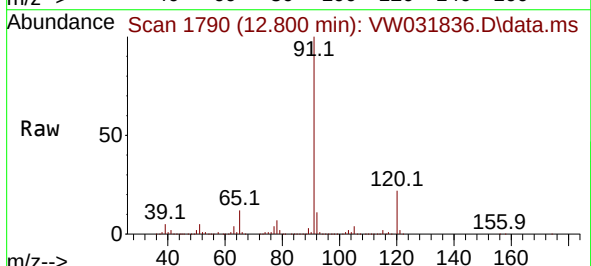
Tgt Ion:156 Resp: 15049
Ion Ratio Lower Upper
156 100
77 228.6 117.9 353.7
158 99.6 52.6 157.8

Manual Integrations
APPROVED

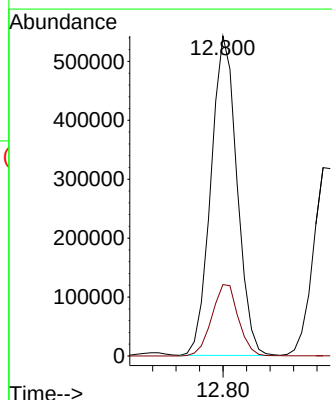
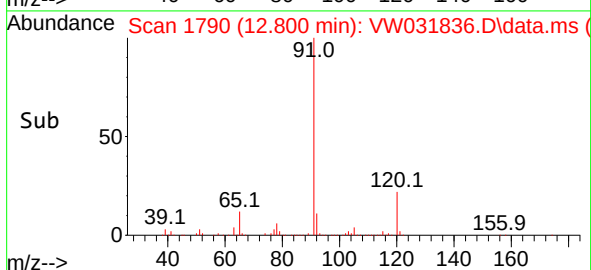
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

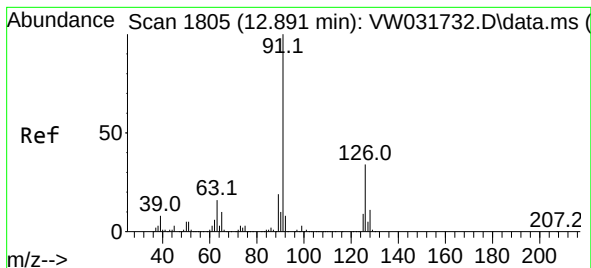


#78
n-propylbenzene
Concen: 55.335 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



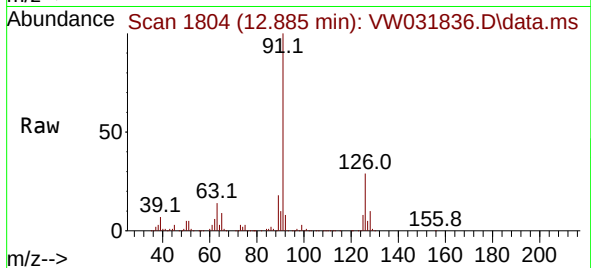
Tgt Ion: 91 Resp: 836655
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4





#79
2-Chlorotoluene
Concen: 57.600 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

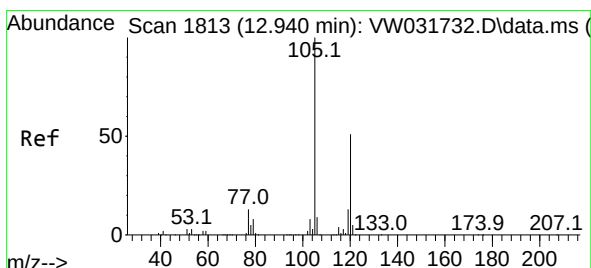
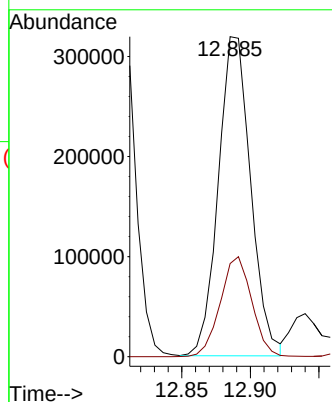
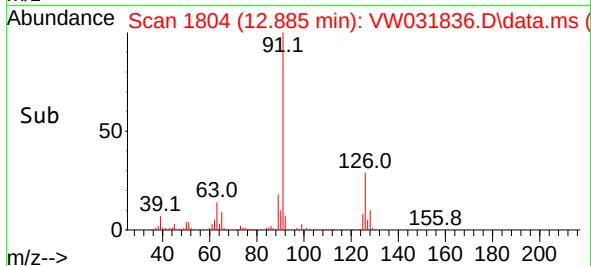
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



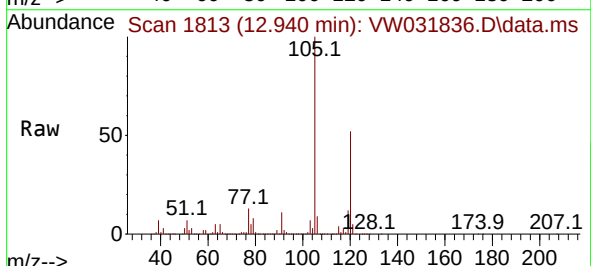
Tgt Ion: 91 Resp: 524430
Ion Ratio Lower Upper
91 100
126 30.6 15.8 47.4

Manual Integrations
APPROVED

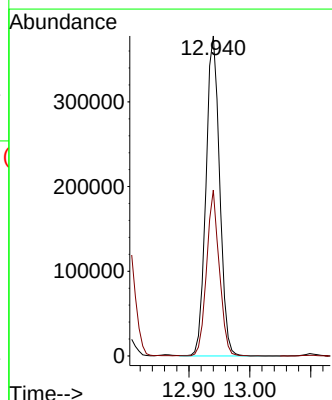
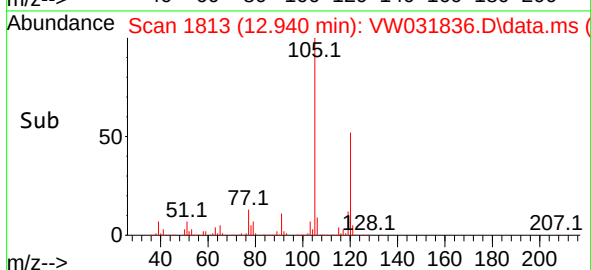
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

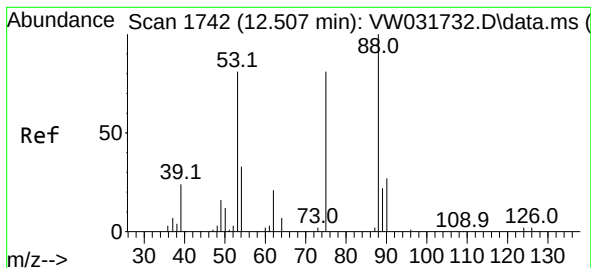


#80
1,3,5-Trimethylbenzene
Concen: 56.384 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



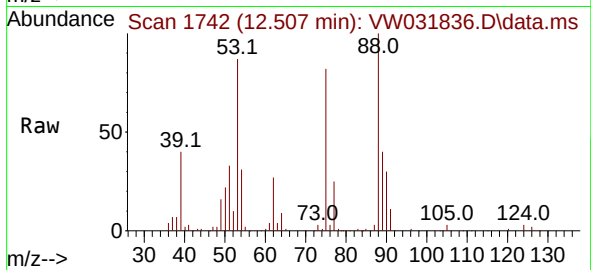
Tgt Ion:105 Resp: 589302
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 56.239 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

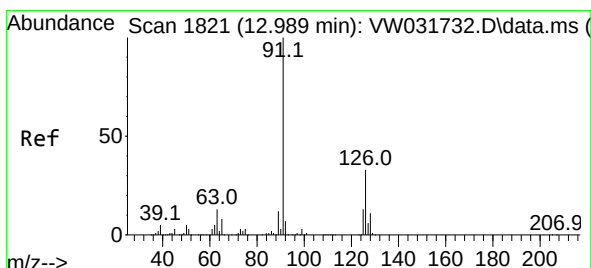
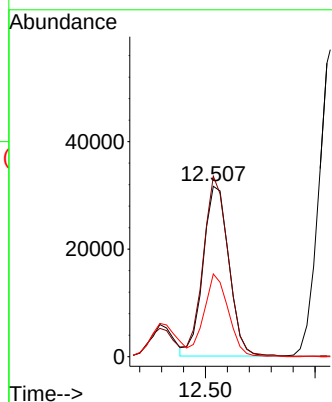
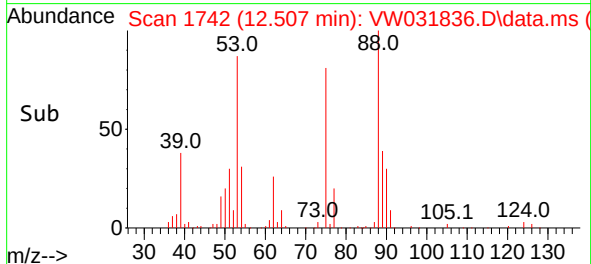
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



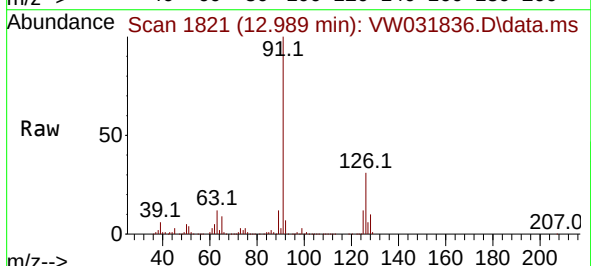
Tgt Ion: 75 Resp: 5179
Ion Ratio Lower Upper
75 100
53 103.3 83.5 125.3
89 45.9 38.3 57.5

Manual Integrations
APPROVED

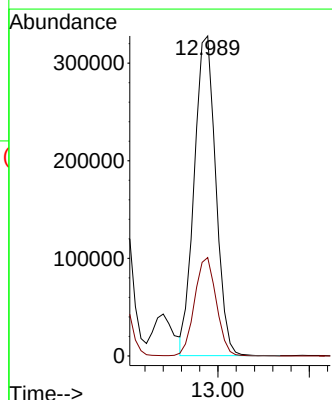
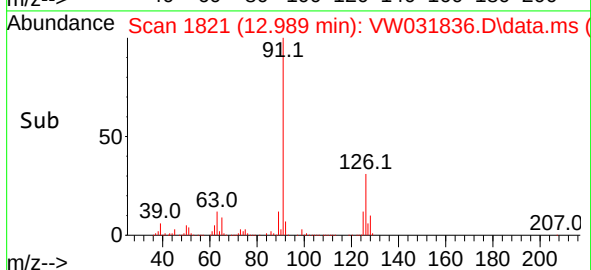
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

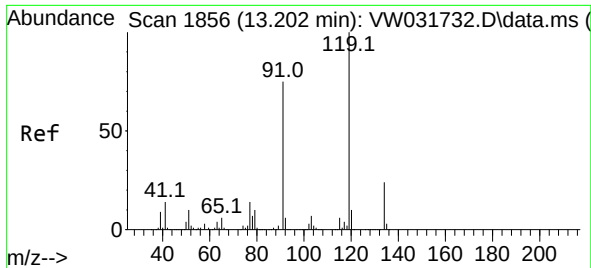


#82
4-Chlorotoluene
Concen: 56.037 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



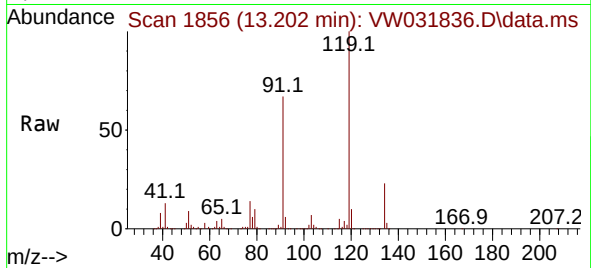
Tgt Ion: 91 Resp: 535657
Ion Ratio Lower Upper
91 100
126 31.0 16.0 47.9





#83
tert-Butylbenzene
Concen: 56.796 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

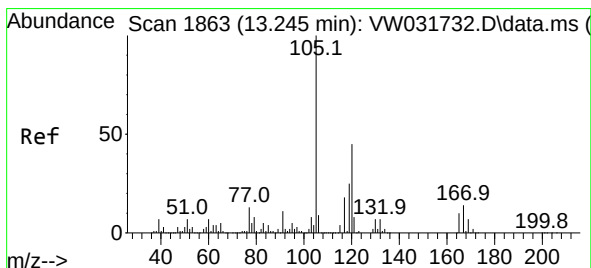
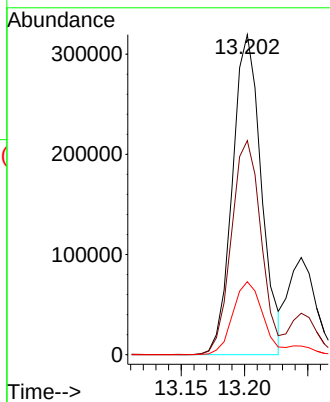
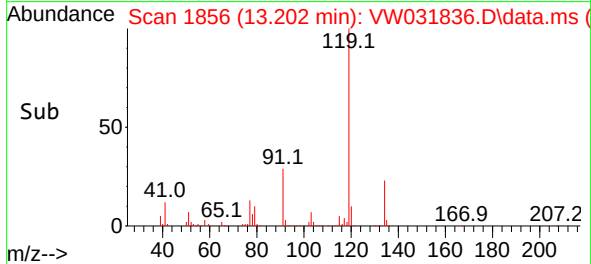
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



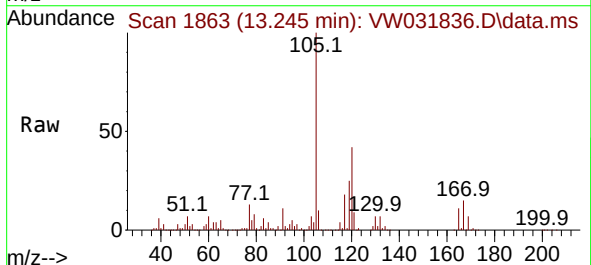
Tgt Ion:119 Resp: 508480
Ion Ratio Lower Upper
119 100
91 68.6 36.0 108.1
134 23.8 12.4 37.2

Manual Integrations
APPROVED

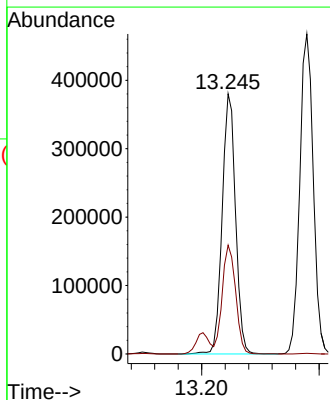
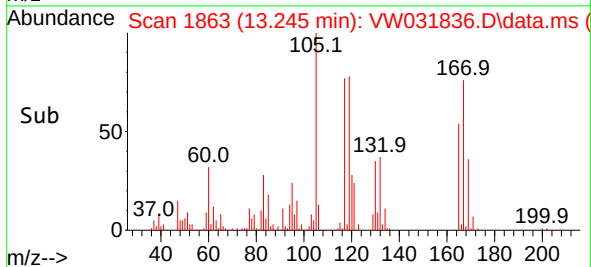
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

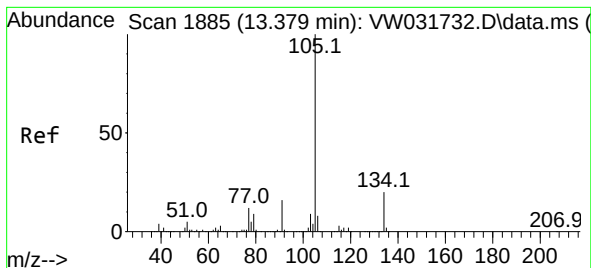


#84
1,2,4-Trimethylbenzene
Concen: 56.696 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



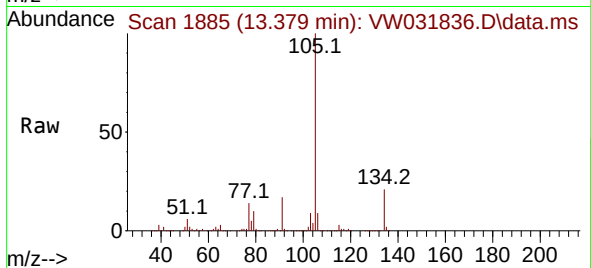
Tgt Ion:105 Resp: 600386
Ion Ratio Lower Upper
105 100
120 41.8 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 55.125 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17

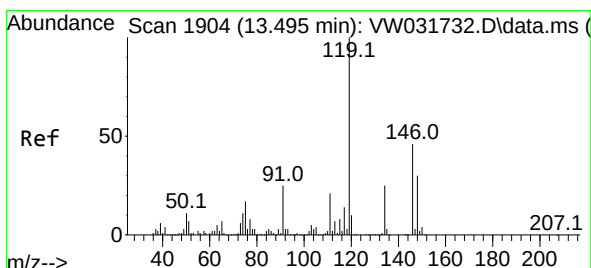
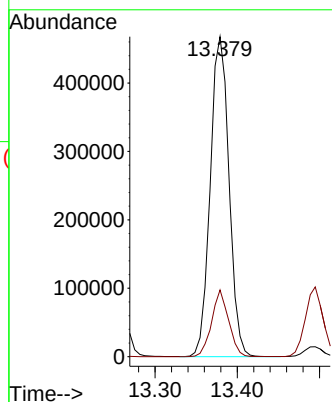
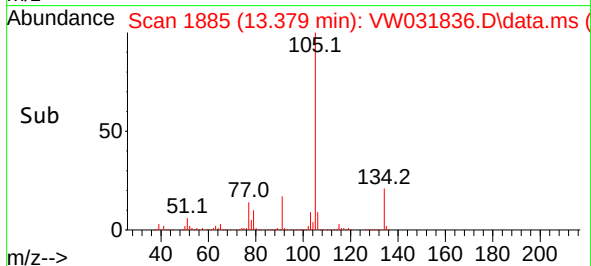
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050



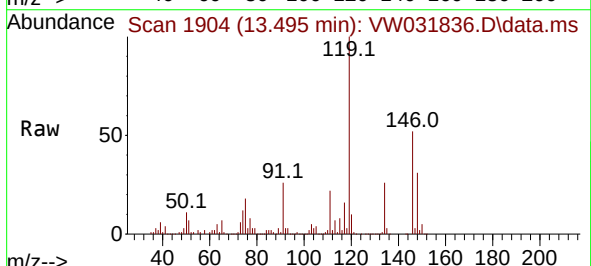
Tgt Ion:105 Resp: 740750
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.8

Manual Integrations
 APPROVED

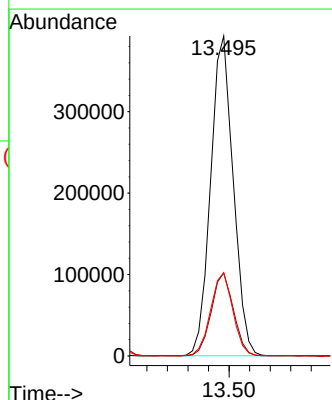
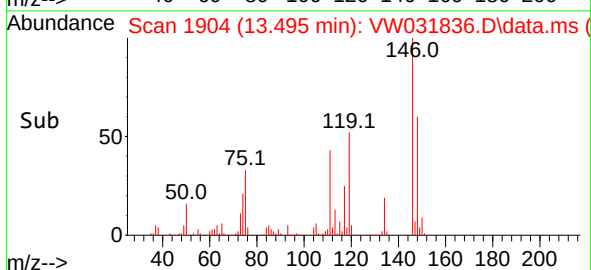
Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

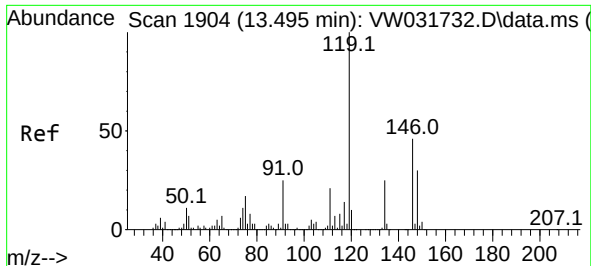


#86
 p-Isopropyltoluene
 Concen: 54.212 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031836.D
 Acq: 14 Jul 2025 09:17



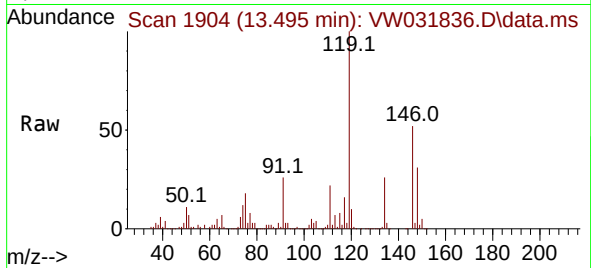
Tgt Ion:119 Resp: 600369
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.5 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 54.933 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

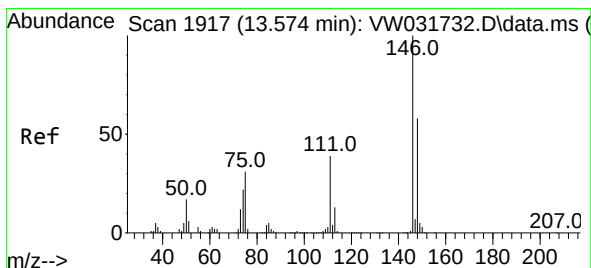
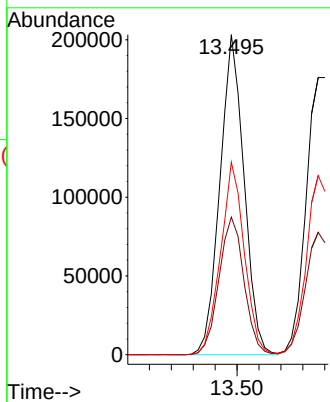
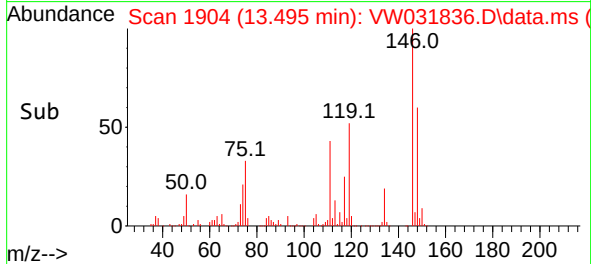
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



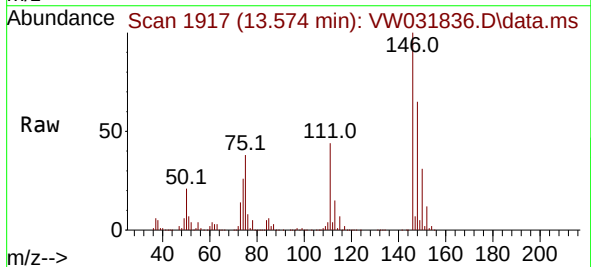
Tgt Ion:146 Resp: 310240
Ion Ratio Lower Upper
146 100
111 44.6 22.3 66.9
148 59.3 31.8 95.4

Manual Integrations
APPROVED

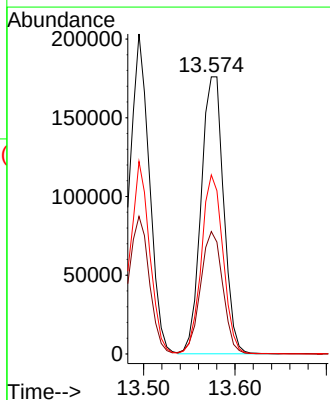
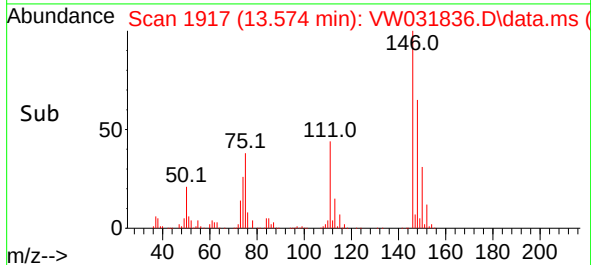
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

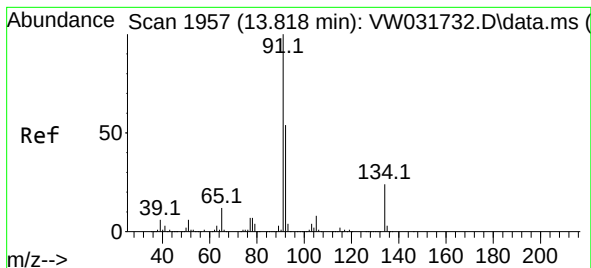


#88
1,4-Dichlorobenzene
Concen: 52.075 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



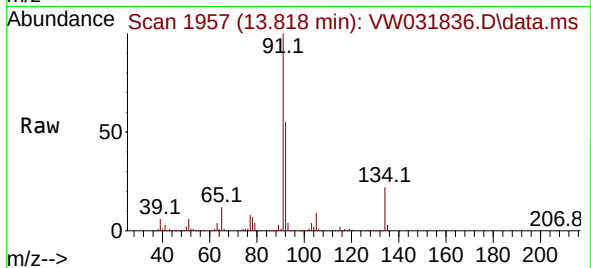
Tgt Ion:146 Resp: 301024
Ion Ratio Lower Upper
146 100
111 44.0 20.4 61.3
148 62.2 30.2 90.6





#89
n-Butylbenzene
Concen: 55.390 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

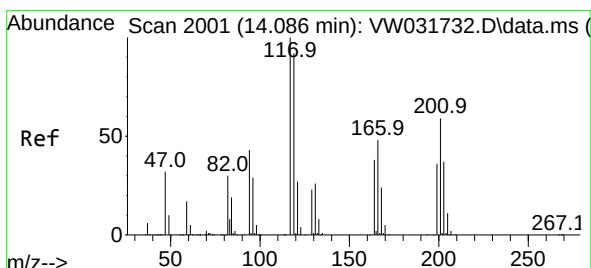
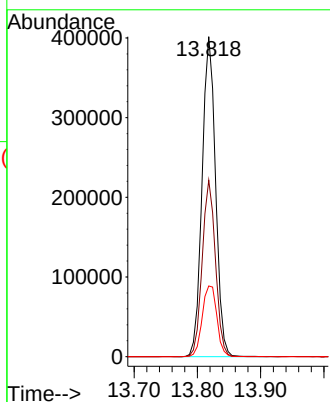
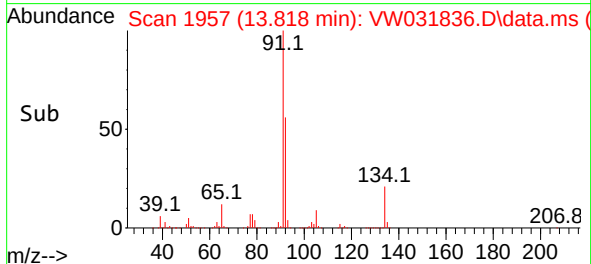
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



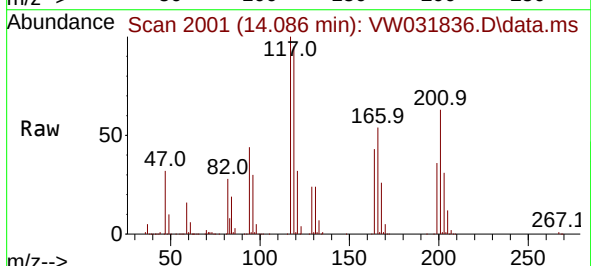
Tgt Ion: 91 Resp: 596000
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.5
134 24.1 12.2 36.6

Manual Integrations
APPROVED

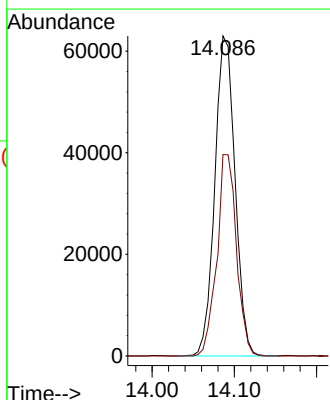
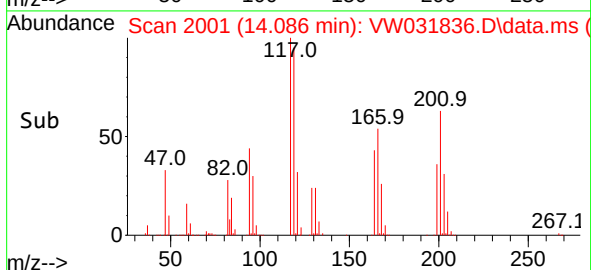
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

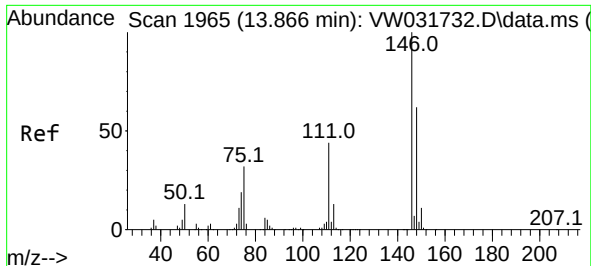


#90
Hexachloroethane
Concen: 53.979 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



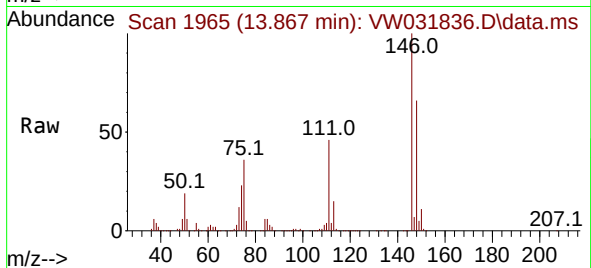
Tgt Ion:117 Resp: 107848
Ion Ratio Lower Upper
117 100
201 60.8 31.1 93.3





#91
1,2-Dichlorobenzene
Concen: 53.691 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

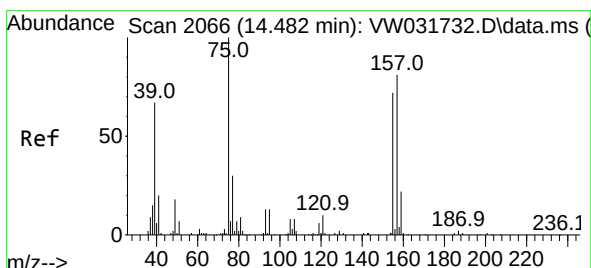
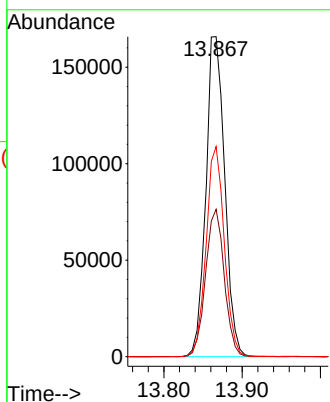
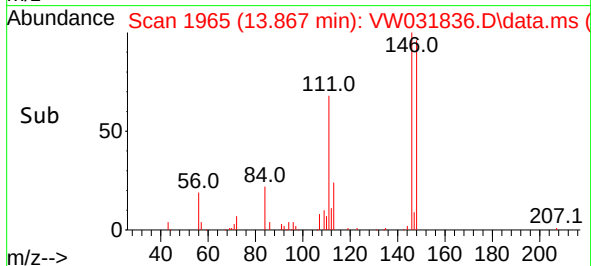
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



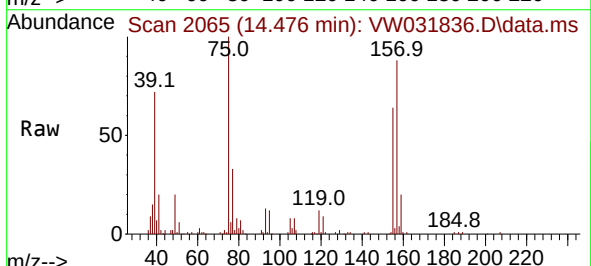
Tgt Ion:146 Resp: 277144
Ion Ratio Lower Upper
146 100
111 45.8 21.7 65.1
148 63.4 29.8 89.5

Manual Integrations
APPROVED

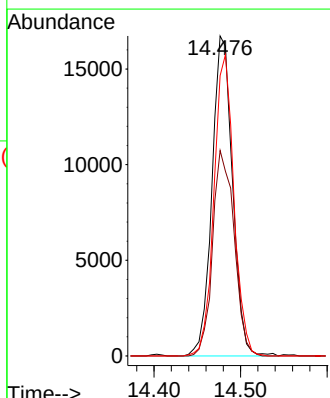
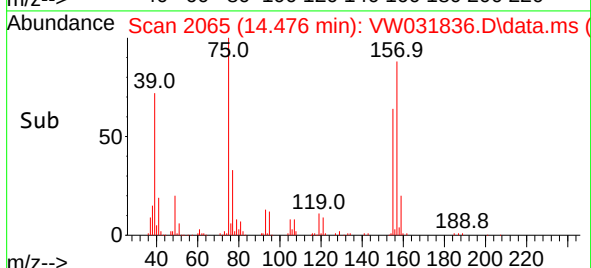
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

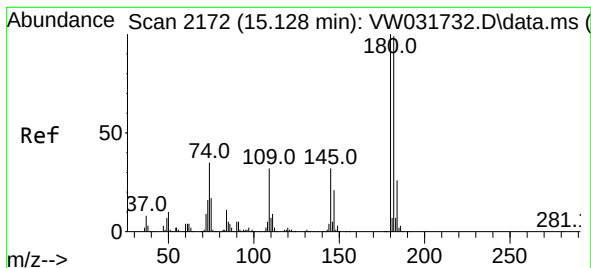


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.415 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion: 75 Resp: 27594
Ion Ratio Lower Upper
75 100
155 66.9 37.2 111.6
157 90.9 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 51.224 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

Instrument :

MSVOA_W

ClientSampleId :

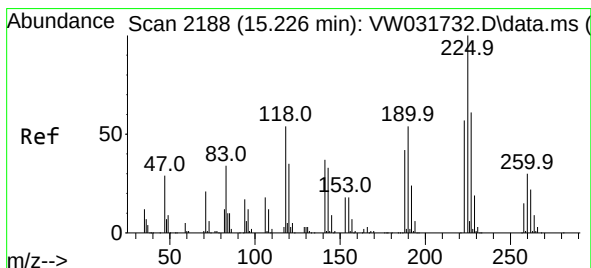
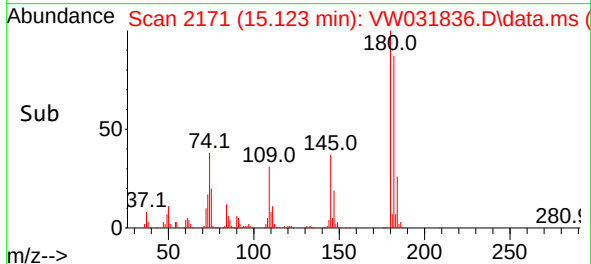
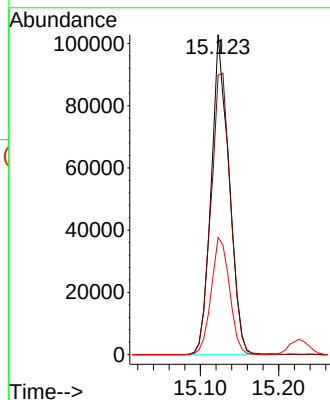
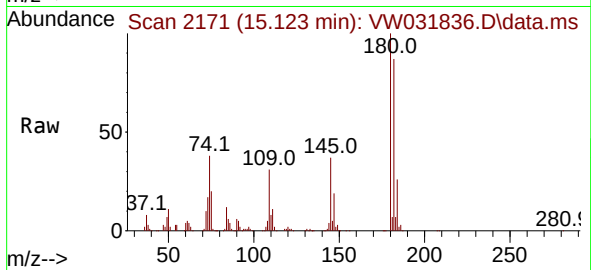
VSTDCCC050

Tgt Ion:180	Resp: 16306
Ion Ratio	Lower Upper
180 100	
182 96.2	48.6 145.9
145 37.7	17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#94

Hexachlorobutadiene

Concen: 50.310 ug/l

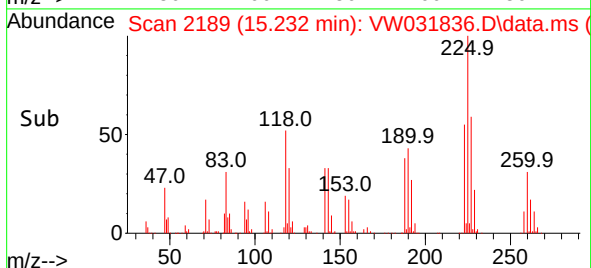
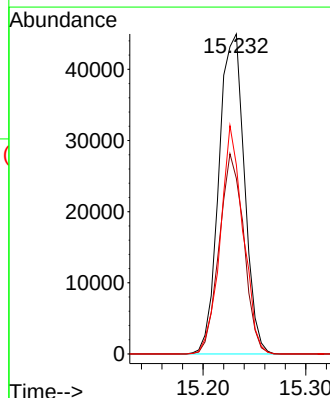
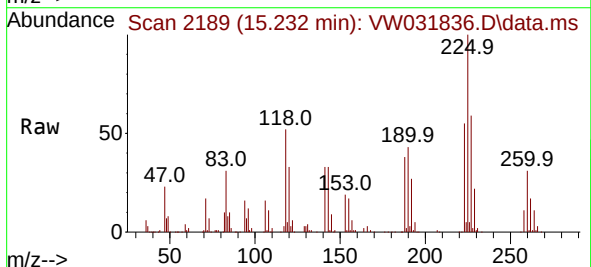
RT: 15.232 min Scan# 2189

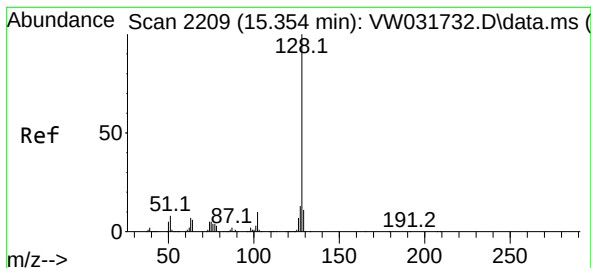
Delta R.T. 0.006 min

Lab File: VW031836.D

Acq: 14 Jul 2025 09:17

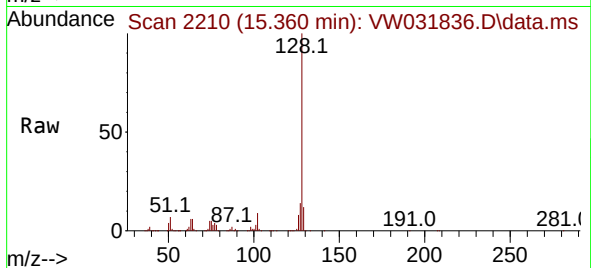
Tgt Ion:225	Resp: 77336
Ion Ratio	Lower Upper
225 100	
223 60.2	32.6 97.8
227 63.8	37.3 111.8





#95
Naphthalene
Concen: 54.377 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17

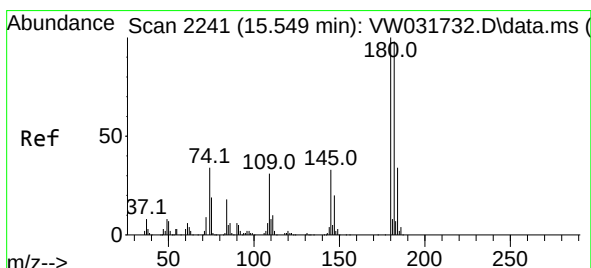
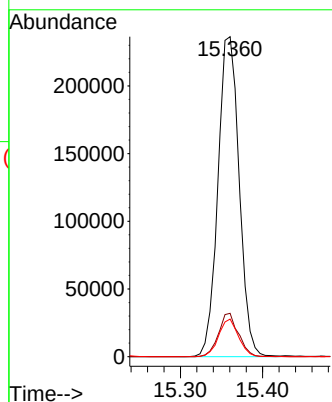
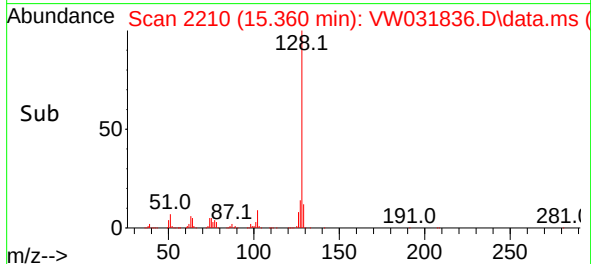
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050



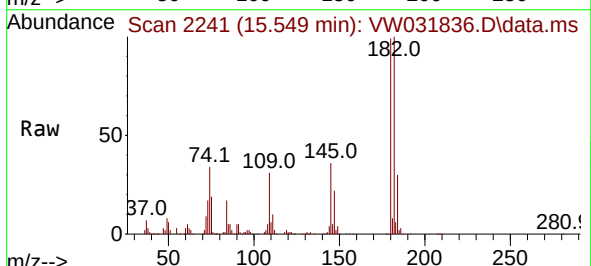
Tgt Ion:128 Resp: 42439
Ion Ratio Lower Upper
128 100
127 12.7 10.8 16.2
129 11.0 8.7 13.1

Manual Integrations
APPROVED

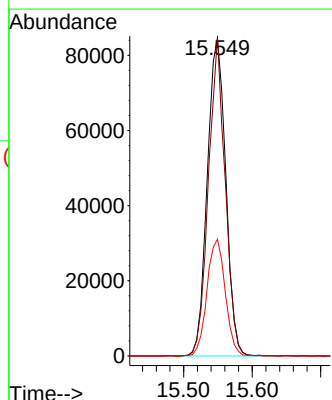
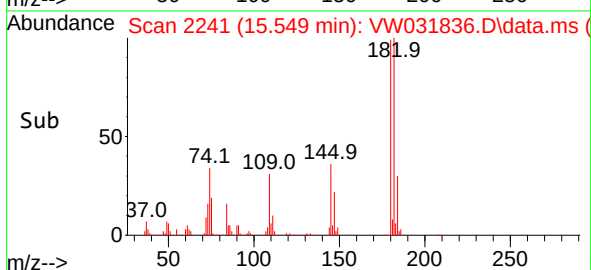
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.088 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031836.D
Acq: 14 Jul 2025 09:17



Tgt Ion:180 Resp: 158213
Ion Ratio Lower Upper
180 100
182 91.0 46.4 139.1
145 36.5 17.8 53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	0.341	0.280	17.9	92	0.00
3 P	Chloromethane	0.411	0.378	8.0	102	0.00
4 C	Vinyl Chloride	0.540	0.531	1.7#	105	0.00
5 T	Bromomethane	0.421	0.400	5.0	103	0.00
6 T	Chloroethane	0.367	0.358	2.5	105	0.00
7 T	Trichlorofluoromethane	0.490	0.456	6.9	99	0.00
8 T	Diethyl Ether	0.372	0.391	-5.1	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.533	2.0	107	0.00
10 T	Methyl Iodide	0.839	0.786	6.3	98	-0.01
11 T	Tert butyl alcohol	0.044	0.042	4.5	91	0.01
12 CM	1,1-Dichloroethene	0.596	0.589	1.2#	108	0.00
13 T	Acrolein	0.080	0.065	18.8	80	0.00
14 T	Allyl chloride	0.914	0.956	-4.6	109	0.00
15 T	Acrylonitrile	0.183	0.182	0.5	97	0.00
16 T	Acetone	0.177	0.145	18.1	91	0.00
17 T	Carbon Disulfide	1.594	1.487	6.7	98	0.00
18 T	Methyl Acetate	0.507	0.534	-5.3	103	0.00
19 T	Methyl tert-butyl Ether	1.011	1.128	-11.6	111	0.00
20 T	Methylene Chloride	0.814	0.750	7.9	110	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.635	-0.3	105	0.00
22 T	Diisopropyl ether	1.783	2.005	-12.5	114	0.00
23 T	Vinyl Acetate	1.218	1.296	-6.4	105	0.00
24 P	1,1-Dichloroethane	1.156	1.213	-4.9	111	0.00
25 T	2-Butanone	0.231	0.228	1.3	93	0.00
26 T	2,2-Dichloropropane	0.674	0.662	1.8	103	0.00
27 T	cis-1,2-Dichloroethene	0.728	0.791	-8.7	112	0.00
28 T	Bromochloromethane	0.510	0.541	-6.1	109	0.00
29 T	Tetrahydrofuran	0.158	0.158	0.0	96	0.00
30 C	Chloroform	1.228	1.308	-6.5#	110	0.00
31 T	Cyclohexane	1.022	0.980	4.1	106	0.00
32 T	1,1,1-Trichloroethane	0.946	0.958	-1.3	105	0.00
33 S	1,2-Dichloroethane-d4	0.718	0.717	0.1	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.326	0.332	-1.8	103	0.00
36 T	1,1-Dichloropropene	0.472	0.491	-4.0	109	0.00
37 T	Ethyl Acetate	0.298	0.299	-0.3	100	0.00
38 T	Carbon Tetrachloride	0.481	0.486	-1.0	106	0.00
39 T	Methylcyclohexane	0.587	0.596	-1.5	106	0.00
40 TM	Benzene	1.397	1.493	-6.9	109	0.00
41 T	Methacrylonitrile	0.160	0.168	-5.0	97	0.00
42 TM	1,2-Dichloroethane	0.472	0.504	-6.8	110	0.00
43 T	Isopropyl Acetate	0.513	0.541	-5.5	102	0.00
44 TM	Trichloroethene	0.349	0.356	-2.0	104	0.00
45 C	1,2-Dichloropropane	0.338	0.370	-9.5#	113	0.00
46 T	Dibromomethane	0.218	0.232	-6.4	107	0.00
47 T	Bromodichloromethane	0.511	0.557	-9.0	110	0.00
48 T	Methyl methacrylate	0.252	0.269	-6.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	100	0.00
50 S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.307	-4.1	99	0.00
52 CM	Toluene	0.894	0.965	-7.9#	111	0.00
53 T	t-1,3-Dichloropropene	0.480	0.537	-11.9	109	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.609	-11.9	112	0.00
55 T	1,1,2-Trichloroethane	0.286	0.308	-7.7	109	0.00
56 T	Ethyl methacrylate	0.387	0.445	-15.0	109	0.00
57 T	1,3-Dichloropropane	0.501	0.545	-8.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.222	-4.2	100	0.00
59 T	2-Hexanone	0.200	0.211	-5.5	97	0.00
60 T	Dibromochloromethane	0.341	0.372	-9.1	107	0.00
61 T	1,2-Dibromoethane	0.286	0.299	-4.5	104	0.00
62 S	4-Bromofluorobenzene	0.447	0.466	-4.3	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.327	0.316	3.4	101	0.00
65 PM	Chlorobenzene	1.103	1.152	-4.4	109	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.372	-5.7	106	0.00
67 C	Ethyl Benzene	1.913	2.034	-6.3#	108	0.00
68 T	m/p-Xylenes	0.735	0.786	-6.9	108	0.00
69 T	o-Xylene	0.681	0.751	-10.3	110	0.00
70 T	Styrene	1.177	1.279	-8.7	106	0.00
71 P	Bromoform	0.210	0.216	-2.9	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.803	4.171	-9.7	106	0.00
74 T	N-amyl acetate	1.025	1.197	-16.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.921	-9.1	104	0.00
76 T	1,2,3-Trichloropropane	0.646	0.695	-7.6	101	0.00
77 T	Bromobenzene	0.848	0.907	-7.0	110	0.00
78 T	n-propylbenzene	4.554	5.040	-10.7	108	0.00
79 T	2-Chlorotoluene	2.743	3.159	-15.2	112	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.550	-12.8	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.312	-12.6	102	0.00
82 T	4-Chlorotoluene	2.879	3.227	-12.1	109	0.00
83 T	tert-Butylbenzene	2.697	3.063	-13.6	112	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.617	-13.4	110	0.00
85 T	sec-Butylbenzene	4.048	4.463	-10.3	107	0.00
86 T	p-Isopropyltoluene	3.336	3.617	-8.4	105	0.00
87 T	1,3-Dichlorobenzene	1.701	1.869	-9.9	108	0.00
88 T	1,4-Dichlorobenzene	1.741	1.813	-4.1	101	0.00
89 T	n-Butylbenzene	3.241	3.591	-10.8	108	0.00
90 T	Hexachloroethane	0.602	0.650	-8.0	105	0.00
91 T	1,2-Dichlorobenzene	1.555	1.670	-7.4	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.166	-0.6	95	0.00
93 T	1,2,4-Trichlorobenzene	0.959	0.982	-2.4	100	0.00
94 T	Hexachlorobutadiene	0.463	0.466	-0.6	107	0.00
95 T	Naphthalene	2.351	2.557	-8.8	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	0.953	-8.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	50.000	41.132	17.7	92	0.00
3 P	Chloromethane	50.000	46.044	7.9	102	0.00
4 C	Vinyl Chloride	50.000	49.178	1.6#	105	0.00
5 T	Bromomethane	50.000	47.511	5.0	103	0.00
6 T	Chloroethane	50.000	48.812	2.4	105	0.00
7 T	Trichlorofluoromethane	50.000	46.535	6.9	99	0.00
8 T	Diethyl Ether	50.000	52.568	-5.1	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.037	1.9	107	0.00
10 T	Methyl Iodide	50.000	46.850	6.3	98	-0.01
11 T	Tert butyl alcohol	250.000	234.834	6.1	91	0.01
12 CM	1,1-Dichloroethene	50.000	49.420	1.2#	108	0.00
13 T	Acrolein	250.000	204.345	18.3	80	0.00
14 T	Allyl chloride	50.000	52.285	-4.6	109	0.00
15 T	Acrylonitrile	250.000	247.845	0.9	97	0.00
16 T	Acetone	250.000	205.003	18.0	91	0.00
17 T	Carbon Disulfide	50.000	46.646	6.7	98	0.00
18 T	Methyl Acetate	50.000	52.667	-5.3	103	0.00
19 T	Methyl tert-butyl Ether	50.000	55.794	-11.6	111	0.00
20 T	Methylene Chloride	50.000	53.404	-6.8	110	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.126	-0.3	105	0.00
22 T	Diisopropyl ether	50.000	56.229	-12.5	114	0.00
23 T	Vinyl Acetate	250.000	266.040	-6.4	105	0.00
24 P	1,1-Dichloroethane	50.000	52.462	-4.9	111	0.00
25 T	2-Butanone	250.000	247.209	1.1	93	0.00
26 T	2,2-Dichloropropane	50.000	49.055	1.9	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.359	-8.7	112	0.00
28 T	Bromochloromethane	50.000	53.046	-6.1	109	0.00
29 T	Tetrahydrofuran	250.000	249.693	0.1	96	0.00
30 C	Chloroform	50.000	53.231	-6.5#	110	0.00
31 T	Cyclohexane	50.000	47.976	4.0	106	0.00
32 T	1,1,1-Trichloroethane	50.000	50.605	-1.2	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.957	0.1	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	50.884	-1.8	103	0.00
36 T	1,1-Dichloropropene	50.000	52.050	-4.1	109	0.00
37 T	Ethyl Acetate	50.000	50.129	-0.3	100	0.00
38 T	Carbon Tetrachloride	50.000	50.500	-1.0	106	0.00
39 T	Methylcyclohexane	50.000	50.768	-1.5	106	0.00
40 TM	Benzene	50.000	53.424	-6.8	109	0.00
41 T	Methacrylonitrile	50.000	52.550	-5.1	97	0.00
42 TM	1,2-Dichloroethane	50.000	53.407	-6.8	110	0.00
43 T	Isopropyl Acetate	50.000	52.713	-5.4	102	0.00
44 TM	Trichloroethene	50.000	51.032	-2.1	104	0.00
45 C	1,2-Dichloropropane	50.000	54.772	-9.5#	113	0.00
46 T	Dibromomethane	50.000	53.148	-6.3	107	0.00
47 T	Bromodichloromethane	50.000	54.479	-9.0	110	0.00
48 T	Methyl methacrylate	50.000	53.191	-6.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	989.318	1.1	100	0.00
50 S	Toluene-d8	50.000	50.556	-1.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.792	-3.9	99	0.00
52 CM	Toluene	50.000	53.951	-7.9#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	55.997	-12.0	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.048	-12.1	112	0.00
55 T	1,1,2-Trichloroethane	50.000	53.895	-7.8	109	0.00
56 T	Ethyl methacrylate	50.000	57.487	-15.0	109	0.00
57 T	1,3-Dichloropropane	50.000	54.390	-8.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.532	-4.2	100	0.00
59 T	2-Hexanone	250.000	263.418	-5.4	97	0.00
60 T	Dibromochloromethane	50.000	54.520	-9.0	107	0.00
61 T	1,2-Dibromoethane	50.000	52.269	-4.5	104	0.00
62 S	4-Bromofluorobenzene	50.000	52.159	-4.3	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	48.361	3.3	101	0.00
65 PM	Chlorobenzene	50.000	52.207	-4.4	109	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.880	-5.8	106	0.00
67 C	Ethyl Benzene	50.000	53.161	-6.3#	108	0.00
68 T	m/p-Xylenes	100.000	106.930	-6.9	108	0.00
69 T	o-Xylene	50.000	55.153	-10.3	110	0.00
70 T	Styrene	50.000	54.348	-8.7	106	0.00
71 P	Bromoform	50.000	51.612	-3.2	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	54.837	-9.7	106	0.00
74 T	N-ethyl acetate	50.000	58.389	-16.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.511	-9.0	104	0.00
76 T	1,2,3-Trichloropropane	50.000	53.802	-7.6	101	0.00
77 T	Bromobenzene	50.000	53.439	-6.9	110	0.00
78 T	n-propylbenzene	50.000	55.335	-10.7	108	0.00
79 T	2-Chlorotoluene	50.000	57.600	-15.2	112	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.384	-12.8	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.239	-12.5	102	0.00
82 T	4-Chlorotoluene	50.000	56.037	-12.1	109	0.00
83 T	tert-Butylbenzene	50.000	56.796	-13.6	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	56.696	-13.4	110	0.00
85 T	sec-Butylbenzene	50.000	55.125	-10.3	107	0.00
86 T	p-Isopropyltoluene	50.000	54.212	-8.4	105	0.00
87 T	1,3-Dichlorobenzene	50.000	54.933	-9.9	108	0.00
88 T	1,4-Dichlorobenzene	50.000	52.075	-4.2	101	0.00
89 T	n-Butylbenzene	50.000	55.390	-10.8	108	0.00
90 T	Hexachloroethane	50.000	53.979	-8.0	105	0.00
91 T	1,2-Dichlorobenzene	50.000	53.691	-7.4	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.415	-0.8	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.224	-2.4	100	0.00
94 T	Hexachlorobutadiene	50.000	50.310	-0.6	107	0.00
95 T	Naphthalene	50.000	54.377	-8.8	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	54.088	-8.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

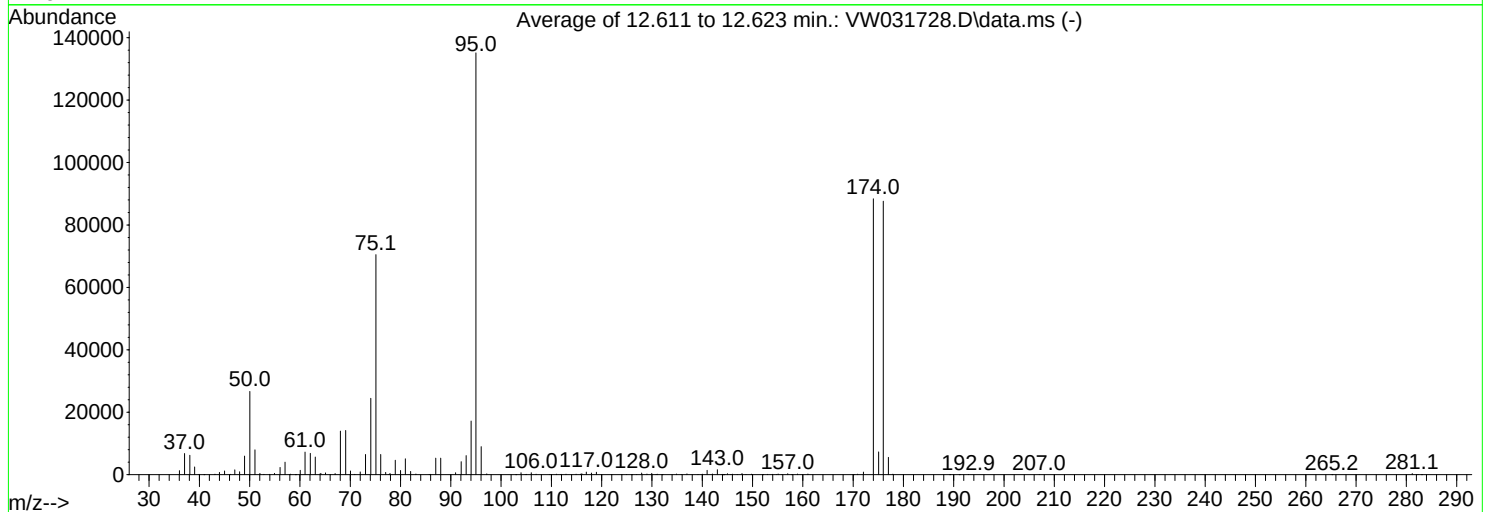
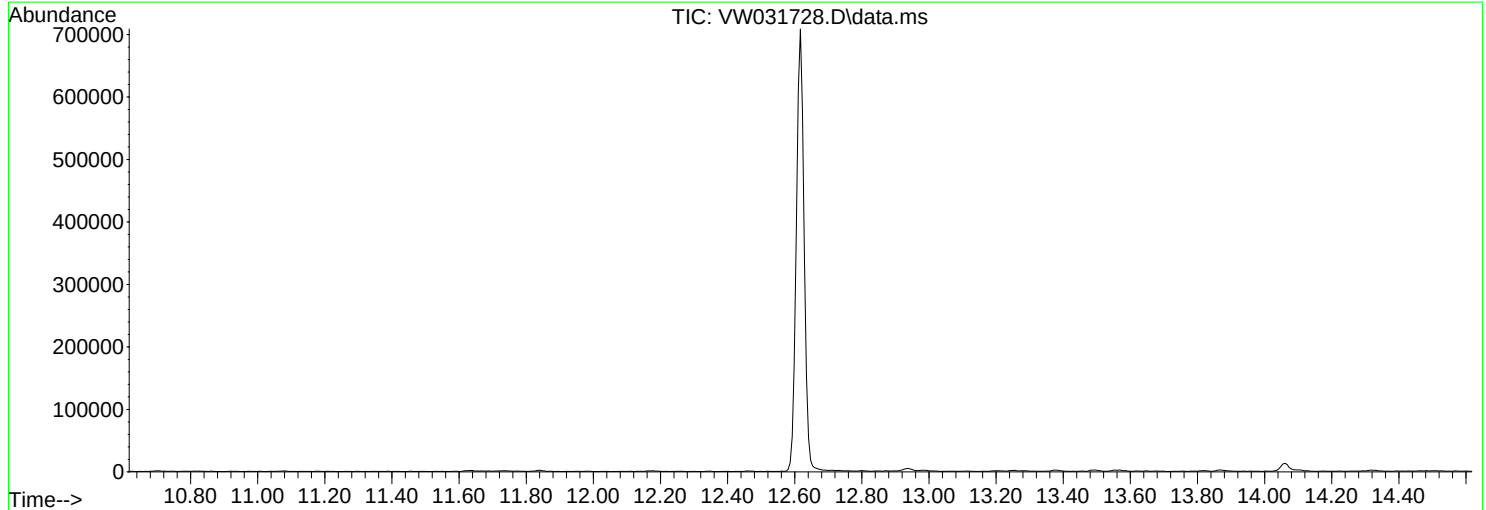
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031728.D
Acq On : 30 Jun 2025 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

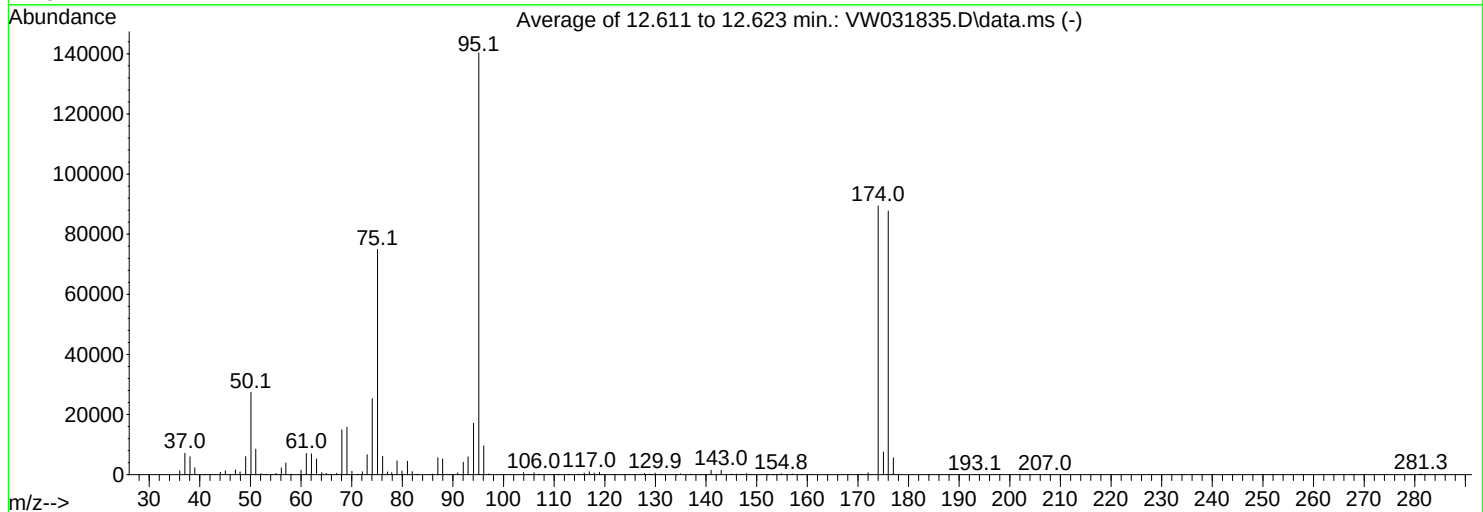
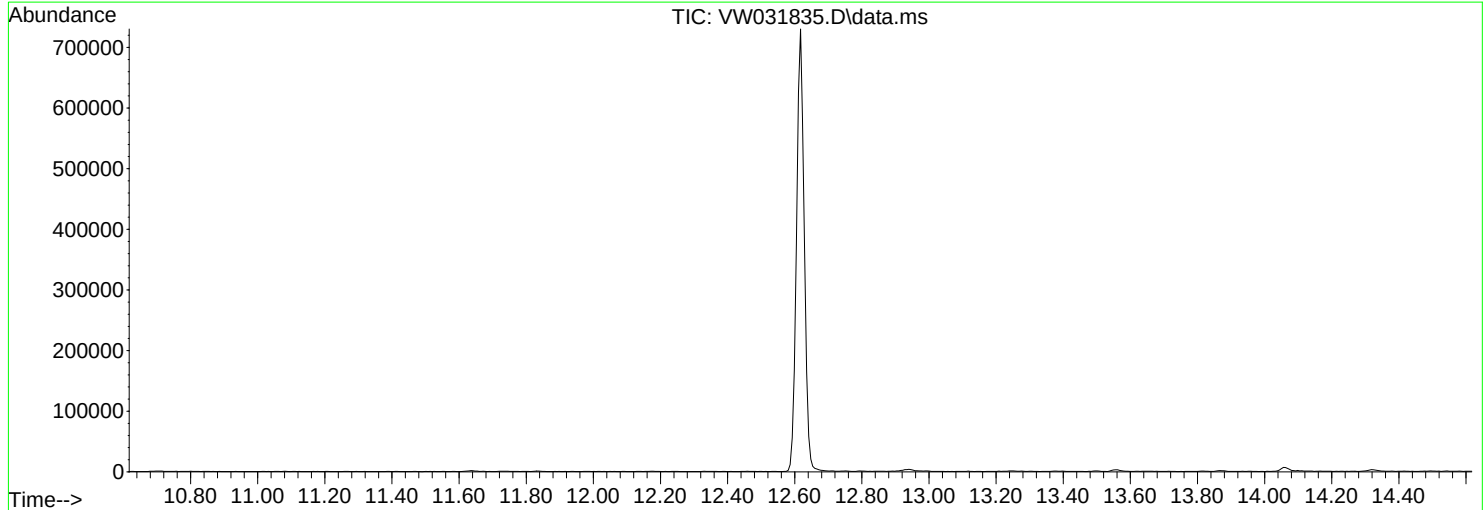
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	26685	PASS
75	95	30	60	52.1	70472	PASS
95	95	100	100	100.0	135149	PASS
96	95	5	9	6.7	8992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	88384	PASS
175	174	5	9	8.2	7275	PASS
176	174	95	101	99.2	87643	PASS
177	176	5	9	6.3	5529	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031835.D
Acq On : 14 Jul 2025 08:45
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\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.5	27365	PASS
75	95	30	60	53.4	74896	PASS
95	95	100	100	100.0	140349	PASS
96	95	5	9	6.8	9575	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.7	89411	PASS
175	174	5	9	8.5	7589	PASS
176	174	95	101	98.1	87688	PASS
177	176	5	9	6.4	5623	PASS

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - East River Site 2			Date Received:	
Client Sample ID:	VW0714SBL01			SDG No.:	Q2592
Lab Sample ID:	VW0714SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	25.0	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	0.91	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	3.60	25.0	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Edison - East River Site 2		Date Received:	
Client Sample ID:	VW0714SBL01		SDG No.:	Q2592
Lab Sample ID:	VW0714SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.00	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.82	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	44.9		74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	7.959			
540-36-3	1,4-Difluorobenzene	360000	8.849			
3114-55-4	Chlorobenzene-d5	335000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.556			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - East River Site 2			Date Received:	
Client Sample ID:	VW0714SBL01			SDG No.:	Q2592
Lab Sample ID:	VW0714SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

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\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	179274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	359991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123390	47.960	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.920%
35) Dibromofluoromethane	7.898	113	110604	47.084	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.160%
50) Toluene-d8	10.324	98	392793	44.932	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.860%
62) 4-Bromofluorobenzene	12.617	95	148493	46.158	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.320%

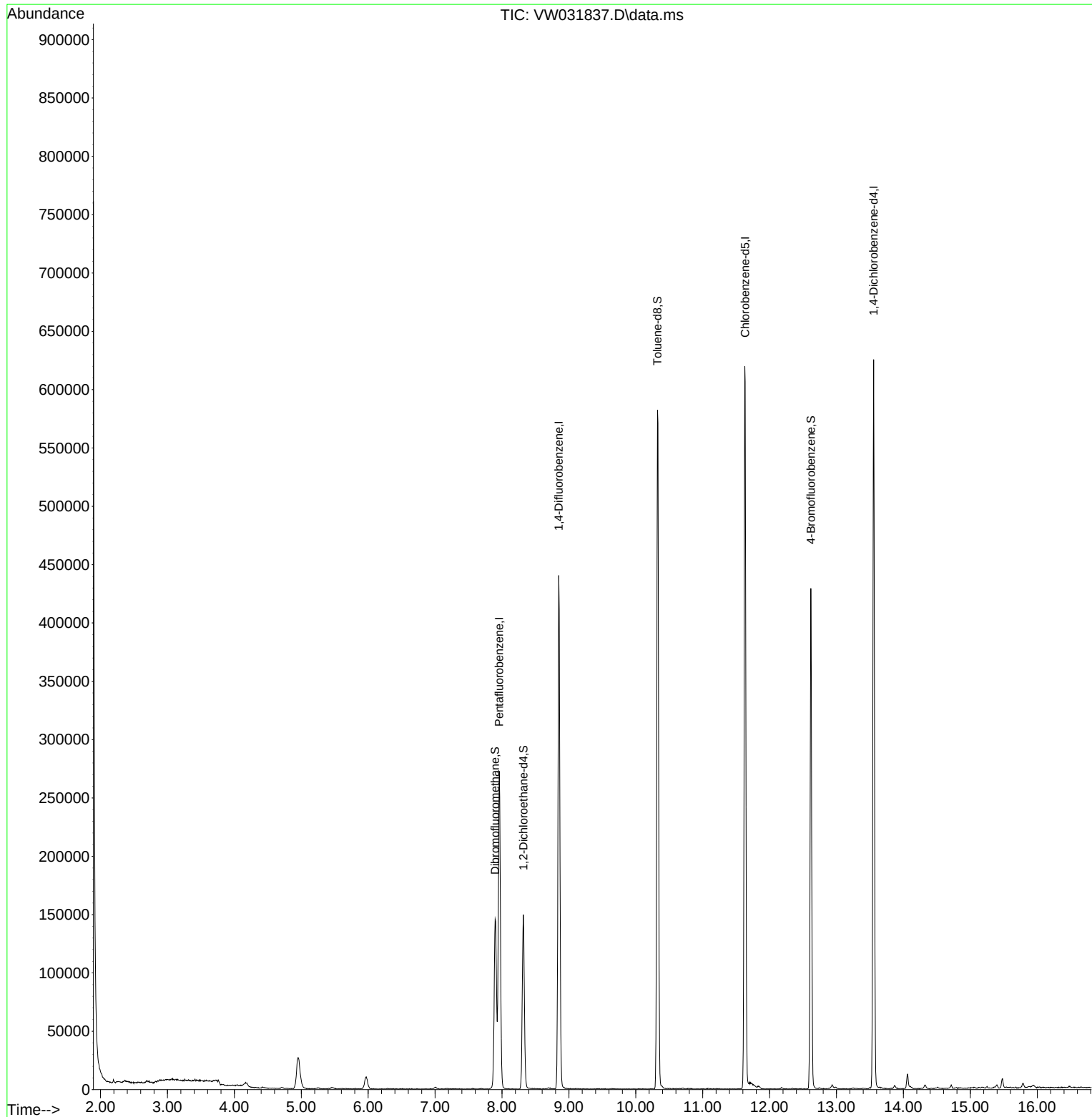
Target Compounds	Qvalue
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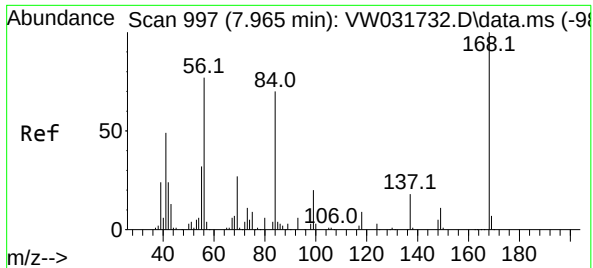
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

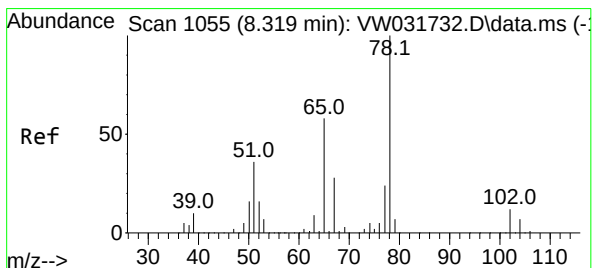
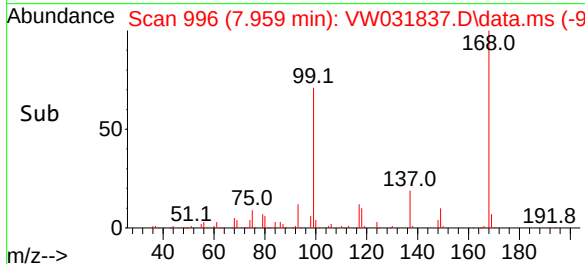
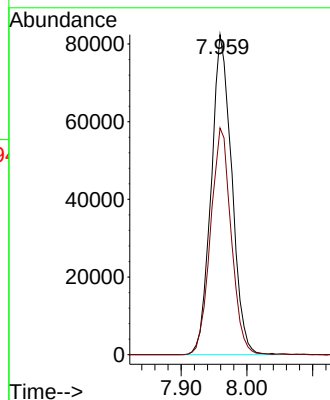
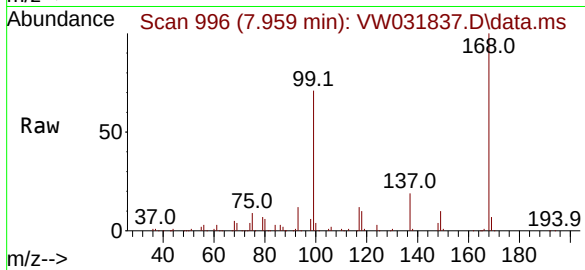




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

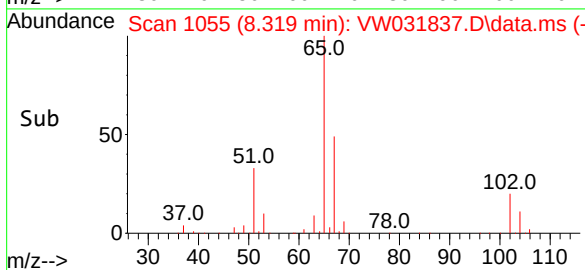
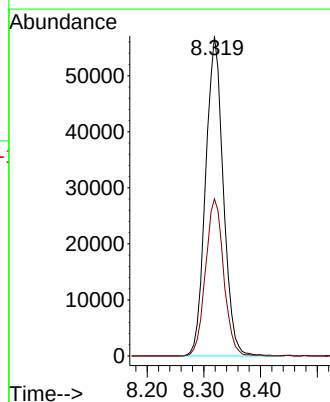
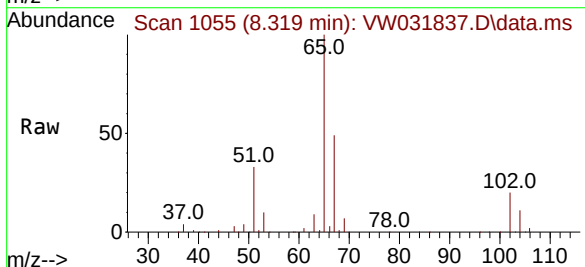
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

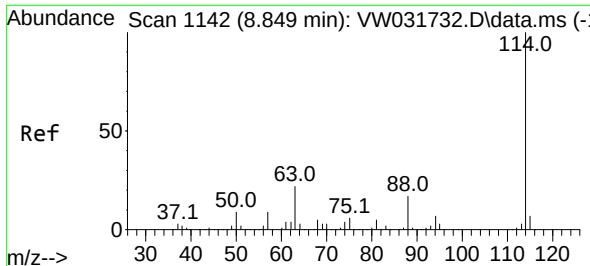
Tgt Ion:168 Resp: 179274
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 47.960 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 65 Resp: 123390
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

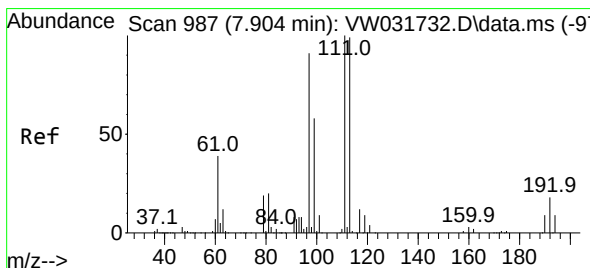
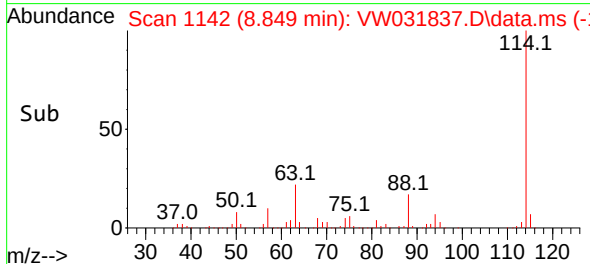
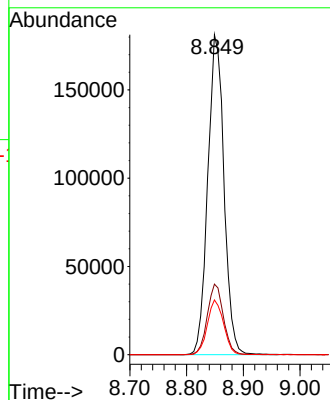
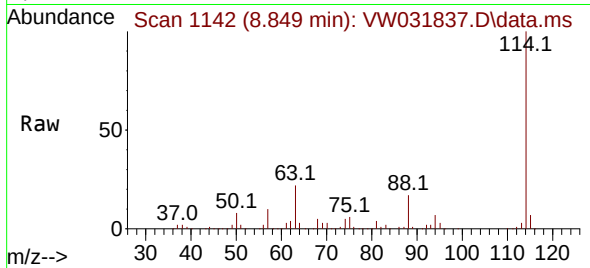




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

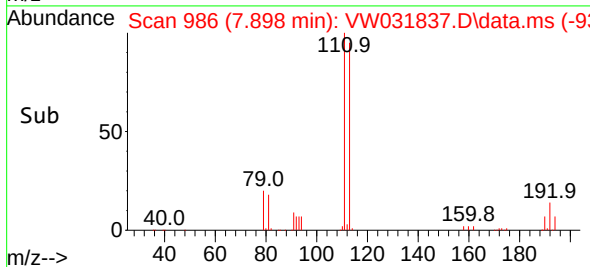
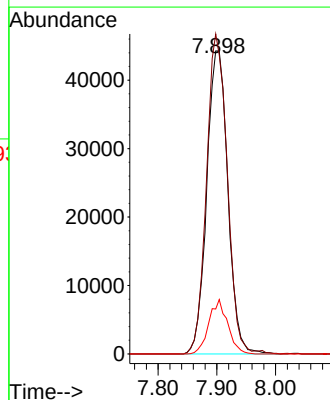
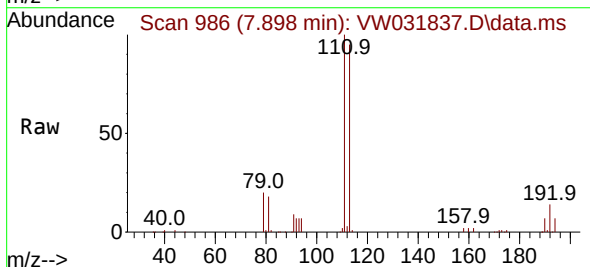
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

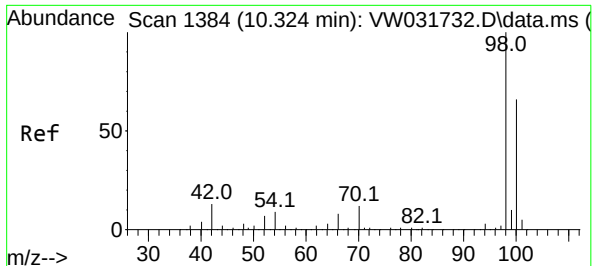
Tgt Ion:114 Resp: 359991
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.6
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.084 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion:113 Resp: 110604
Ion Ratio Lower Upper
113 100
111 103.8 82.1 123.1
192 16.0 13.8 20.6

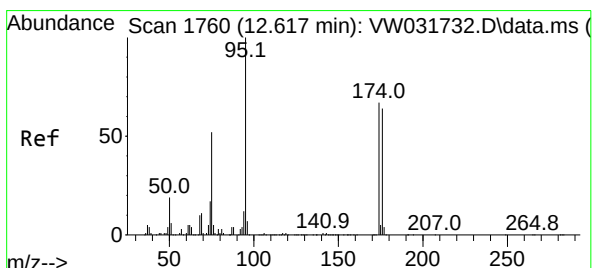
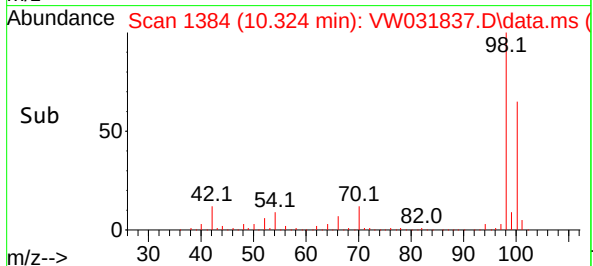
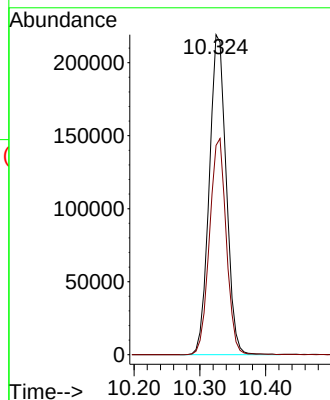
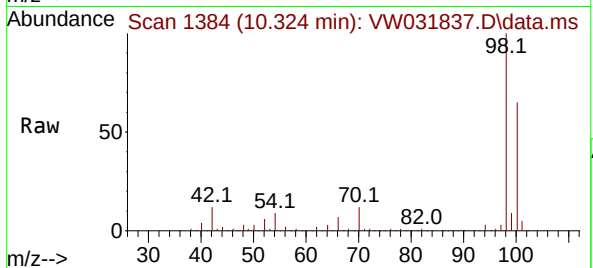




#50
Toluene-d8
Concen: 44.932 ug/l
RT: 10.324 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

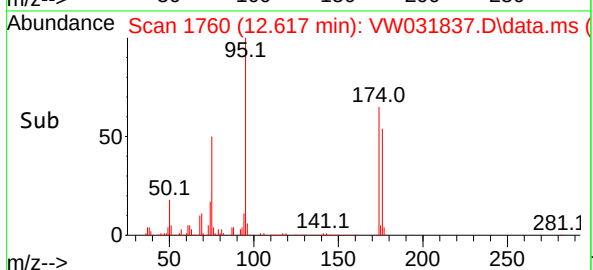
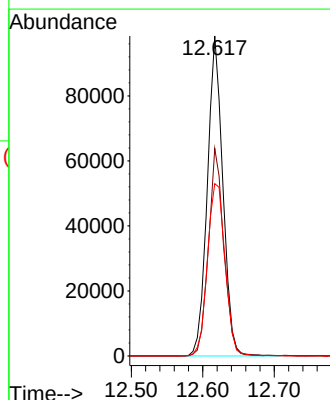
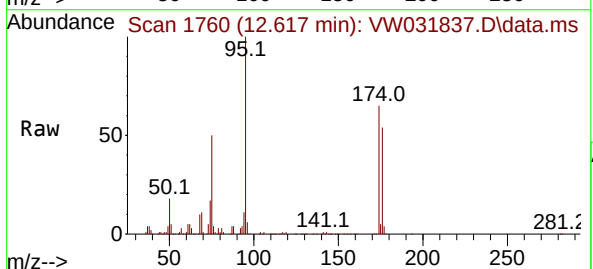
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

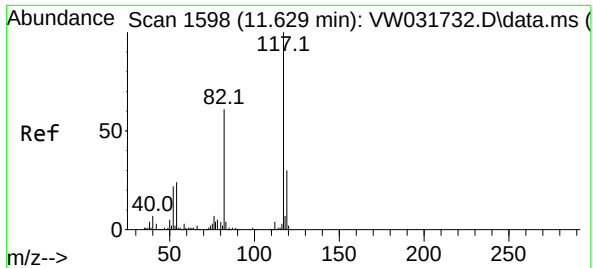
Tgt Ion: 98 Resp: 392793
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 95 Resp: 148493
Ion Ratio Lower Upper
95 100
174 64.4 0.0 133.8
176 61.2 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VW031837.D

Acq: 14 Jul 2025 09:46

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBL01

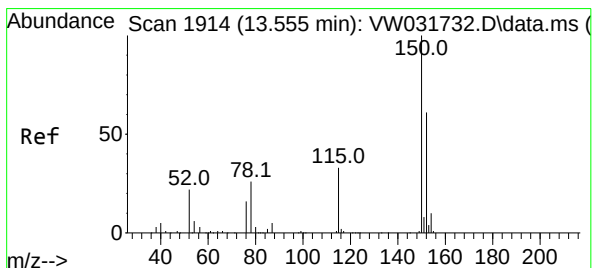
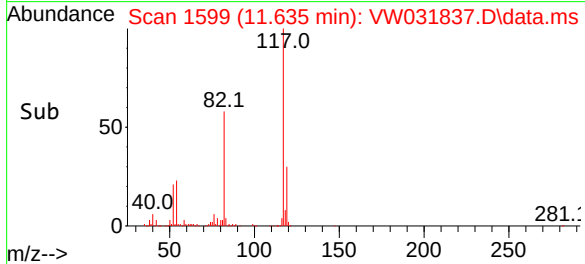
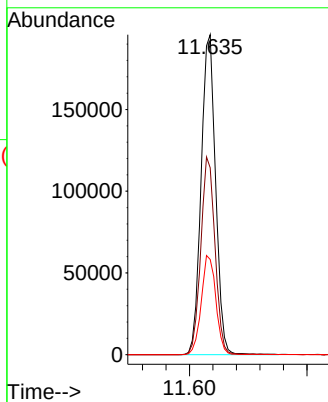
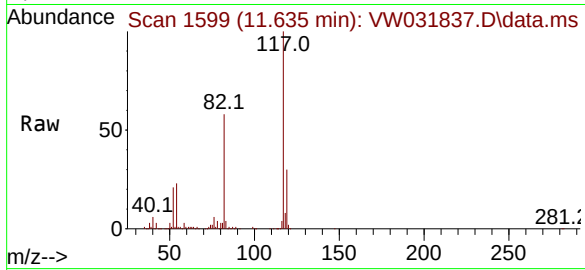
Tgt Ion:117 Resp: 334968

Ion Ratio Lower Upper

117 100

82 58.4 48.6 72.8

119 29.8 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031837.D

Acq: 14 Jul 2025 09:46

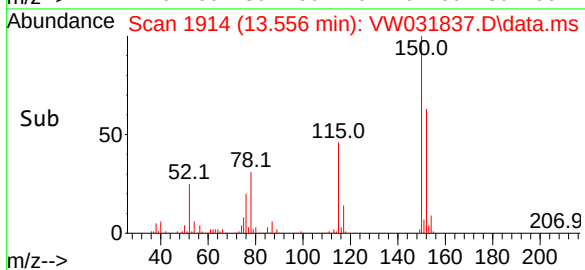
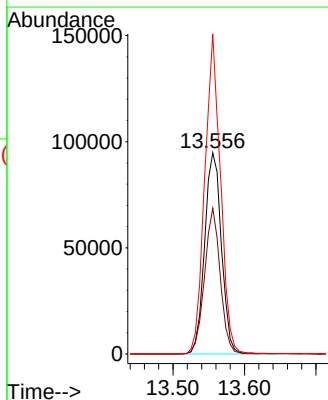
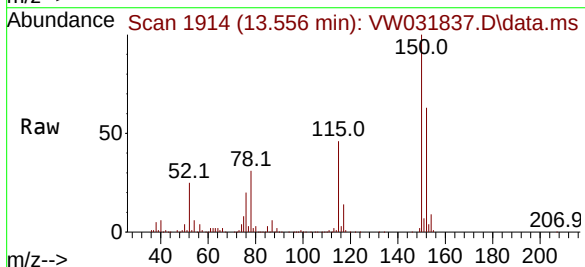
Tgt Ion:152 Resp: 154203

Ion Ratio Lower Upper

152 100

115 67.9 31.9 95.7

150 149.9 0.0 356.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

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\82W063025S.M

Title : SW846 8260

Signal : TIC: VW031837.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	492	503	518	rBV3	26515	101788	9.44%	1.657%
2	5.972	658	670	682	rVB2	10437	33599	3.12%	0.547%
3	7.898	971	986	991	rBV	145626	364956	33.86%	5.943%
4	7.959	991	996	1010	rVB	272079	592897	55.01%	9.654%
5	8.319	1043	1055	1068	rBV	149638	330517	30.67%	5.382%
6	8.849	1131	1142	1159	rBV	440218	874977	81.18%	14.247%
7	10.324	1376	1384	1400	rBV	582065	1060550	98.40%	17.269%
8	11.629	1591	1598	1608	rBV	618954	1077808	100.00%	17.550%
9	12.617	1752	1760	1778	rBV	429059	677426	62.85%	11.031%
10	13.556	1907	1914	1926	rBV	624522	989018	91.76%	16.104%
11	14.062	1987	1997	2003	rBV	12278	23208	2.15%	0.378%
12	15.482	2223	2230	2235	rBV	7905	14590	1.35%	0.238%

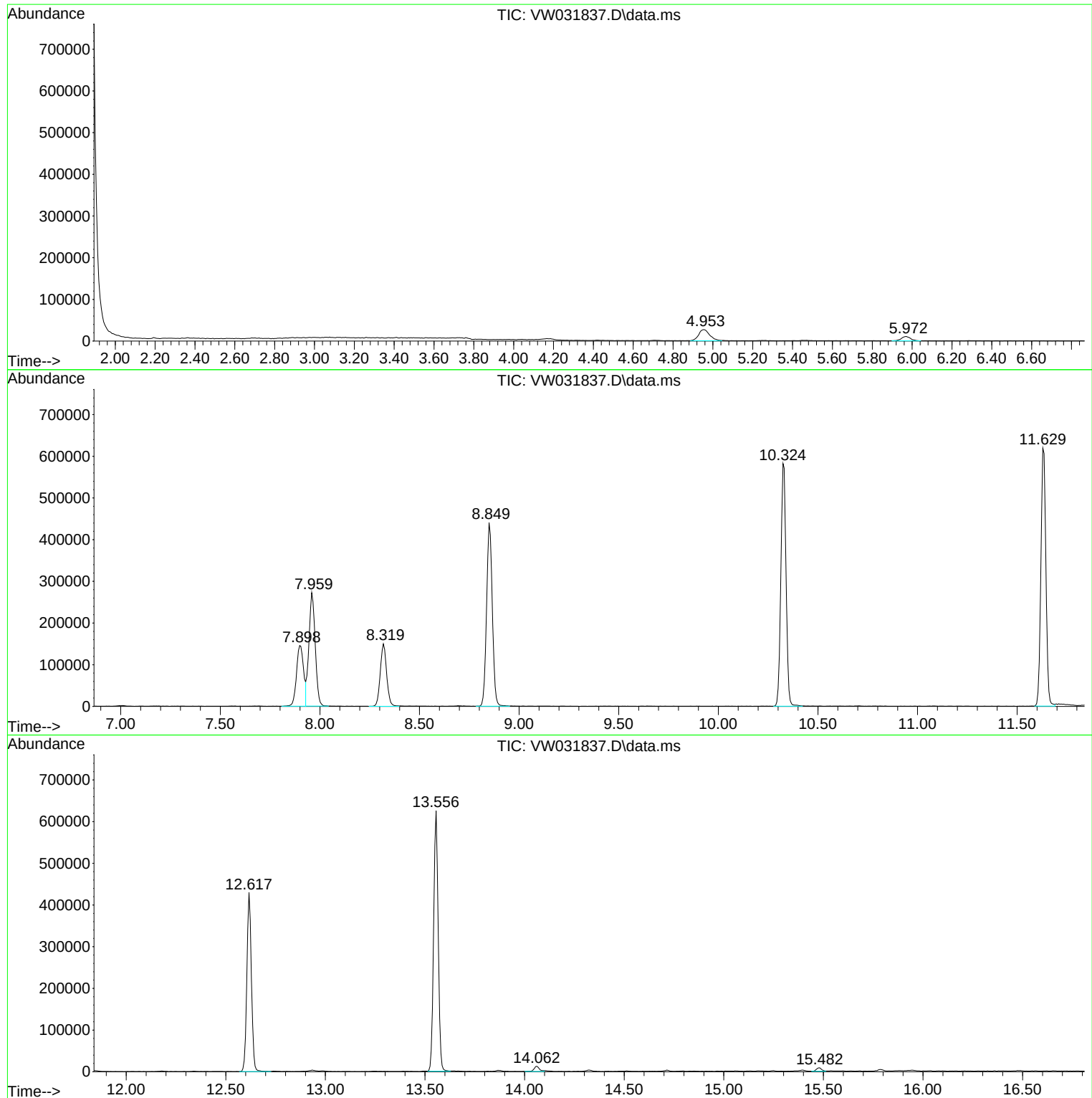
Sum of corrected areas: 6141334

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

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

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Edison - East River Site 2		Date Received:	
Client Sample ID:	VW0714SBS01		SDG No.:	Q2592
Lab Sample ID:	VW0714SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	16.8		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	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.7		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Edison - East River Site 2		Date Received:	
Client Sample ID:	VW0714SBS01		SDG No.:	Q2592
Lab Sample ID:	VW0714SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	5.00	ug/Kg
100-42-5	Styrene	21.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	51.4		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.959			
540-36-3	1,4-Difluorobenzene	419000	8.849			
3114-55-4	Chlorobenzene-d5	378000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.556			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - East River Site 2			Date Received:	
Client Sample ID:	VW0714SBS01			SDG No.:	Q2592
Lab Sample ID:	VW0714SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

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\VW071425\
 Data File : VW031838.D
 Acq On : 14 Jul 2025 10:14
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	217952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	419177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171979	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	168287	53.803	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 107.600%	
35) Dibromofluoromethane	7.898	113	135758	49.632	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.260%	
50) Toluene-d8	10.325	98	523647	51.443	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	12.617	95	195906	52.298	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.600%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	27886	18.787	ug/l	98
3) Chloromethane	2.259	50	35130	19.631	ug/l	98
4) Vinyl Chloride	2.405	62	48367	20.563	ug/l	96
5) Bromomethane	2.826	94	37087	20.187	ug/l	97
6) Chloroethane	2.978	64	32246	20.183	ug/l	99
7) Trichlorofluoromethane	3.308	101	35827	16.772	ug/l	89
8) Diethyl Ether	3.722	74	34493	21.250	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	46137	19.459	ug/l	98
10) Methyl Iodide	4.314	142	74062	20.262	ug/l	99
11) Tert butyl alcohol	5.222	59	17708	91.382	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53161	20.470	ug/l	96
13) Acrolein	3.936	56	25657	73.666	ug/l	96
14) Allyl chloride	4.704	41	85131	21.365	ug/l	98
15) Acrylonitrile	5.405	53	79618	99.746	ug/l	98
16) Acetone	4.167	43	67311	87.065	ug/l	98
17) Carbon Disulfide	4.417	76	129954	18.700	ug/l	98
18) Methyl Acetate	4.704	43	41025	18.567	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	100300	22.754	ug/l	99
20) Methylene Chloride	4.954	84	82155	24.047	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59787	21.666	ug/l	94
22) Diisopropyl ether	6.338	45	180883	23.276	ug/l	98
23) Vinyl Acetate	6.283	43	575226	108.368	ug/l	98
24) 1,1-Dichloroethane	6.246	63	111909	22.212	ug/l	98
25) 2-Butanone	7.197	43	96881	96.323	ug/l	98
26) 2,2-Dichloropropane	7.191	77	58709	19.972	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	70817	22.325	ug/l	100
28) Bromochloromethane	7.533	49	48752	21.927	ug/l	100
29) Tetrahydrofuran	7.557	42	67445	97.917	ug/l	99
30) Chloroform	7.691	83	121573	22.708	ug/l	93
31) Cyclohexane	7.971	56	87883	19.733	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	85467	20.716	ug/l	98
36) 1,1-Dichloropropene	8.093	75	80692	20.386	ug/l	99
37) Ethyl Acetate	7.276	43	48330	19.356	ug/l	99
38) Carbon Tetrachloride	8.087	117	72347	17.937	ug/l	96
39) Methylcyclohexane	9.343	83	90567	18.391	ug/l	100
40) Benzene	8.337	78	245256	20.943	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031838.D
 Acq On : 14 Jul 2025 10:14
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Quant Time: Jul 15 02:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	25451	19.028	ug/l	92
42) 1,2-Dichloroethane	8.410	62	80807	20.422	ug/l	100
43) Isopropyl Acetate	8.435	43	81753	18.994	ug/l	97
44) Trichloroethene	9.099	130	59908	20.496	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60430	21.351	ug/l	99
46) Dibromomethane	9.465	93	37053	20.278	ug/l	97
47) Bromodichloromethane	9.654	83	89016	20.775	ug/l	100
48) Methyl methacrylate	9.441	41	39807	18.809	ug/l	97
49) 1,4-Dioxane	9.465	88	7132	333.258	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	234264	94.673	ug/l	99
52) Toluene	10.392	92	160699	21.433	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	82105	20.423	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	95843	21.030	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	49673	20.753	ug/l	95
56) Ethyl methacrylate	10.648	69	67972	20.932	ug/l	96
57) 1,3-Dichloropropane	10.934	76	87785	20.890	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	179746	100.524	ug/l	99
59) 2-Hexanone	10.971	43	160456	95.692	ug/l	99
60) Dibromochloromethane	11.129	129	57188	19.980	ug/l	97
61) 1,2-Dibromoethane	11.239	107	46829	19.544	ug/l	98
64) Tetrachloroethene	10.867	164	43730	17.684	ug/l	93
65) Chlorobenzene	11.654	112	169717	20.347	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	54487	20.499	ug/l	100
67) Ethyl Benzene	11.733	91	300085	20.747	ug/l	99
68) m/p-Xylenes	11.843	106	231057	41.556	ug/l	100
69) o-Xylene	12.166	106	109337	21.238	ug/l	99
70) Styrene	12.178	104	191458	21.513	ug/l	99
71) Bromoform	12.349	173	29021	18.302	ug/l #	100
73) Isopropylbenzene	12.465	105	275112	21.030	ug/l	99
74) N-amyl acetate	12.269	43	74524	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	60325	20.771	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	46070m	20.729	ug/l	
77) Bromobenzene	12.745	156	64951	22.261	ug/l	88
78) n-propylbenzene	12.800	91	343558	21.932	ug/l	98
79) 2-Chlorotoluene	12.891	91	208461	22.099	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	246277	22.744	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17902	18.762	ug/l	93
82) 4-Chlorotoluene	12.983	91	221618	22.378	ug/l	98
83) tert-Butylbenzene	13.202	119	198157	21.364	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	253100	23.069	ug/l	96
85) sec-Butylbenzene	13.379	105	300477	21.583	ug/l	100
86) p-Isopropyltoluene	13.495	119	259099	22.582	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	119680	20.454	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	129229	21.578	ug/l	95
89) n-Butylbenzene	13.818	91	240051	21.533	ug/l	99
90) Hexachloroethane	14.086	117	42673	20.615	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	115441	21.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	10337	18.229	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	68117	20.653	ug/l	98
94) Hexachlorobutadiene	15.226	225	30212	18.970	ug/l	90
95) Naphthalene	15.360	128	165126	20.421	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	62893	20.753	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

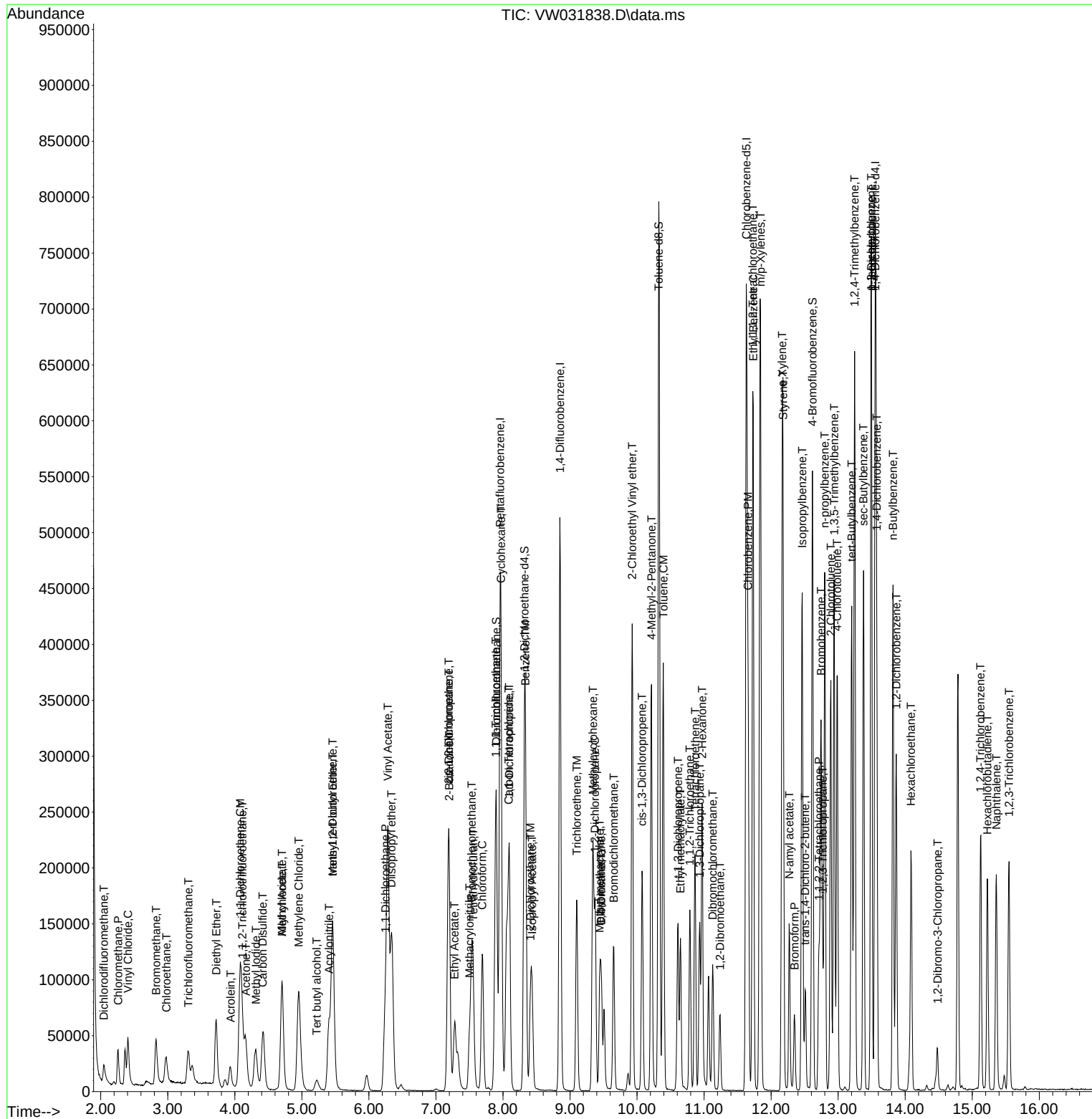
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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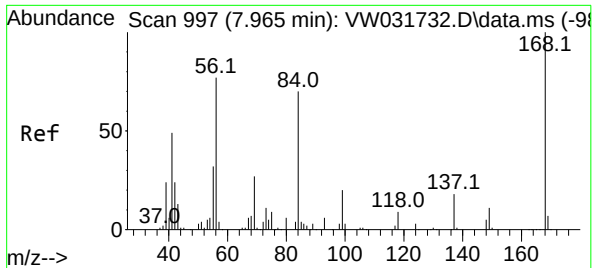
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Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Manual Integrations

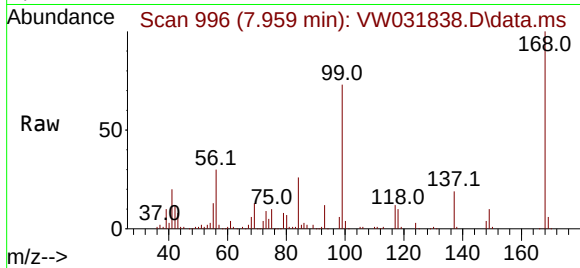
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

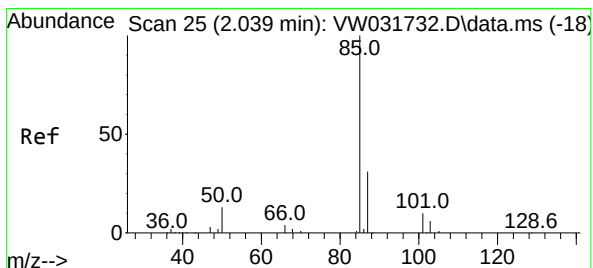
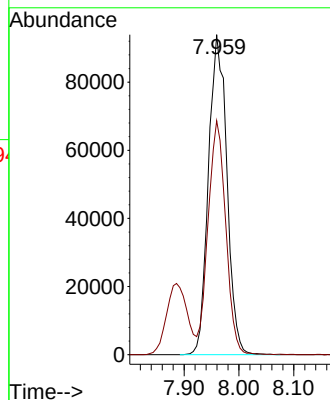
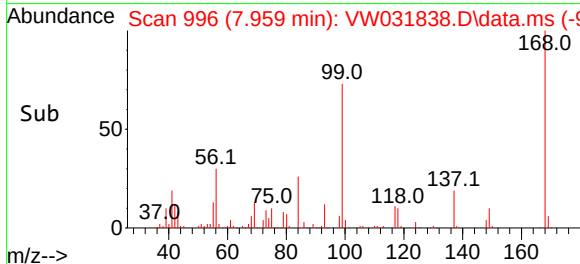
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:168 Resp: 21795
Ion Ratio Lower Upper
168 100
99 73.0 49.4 74.2

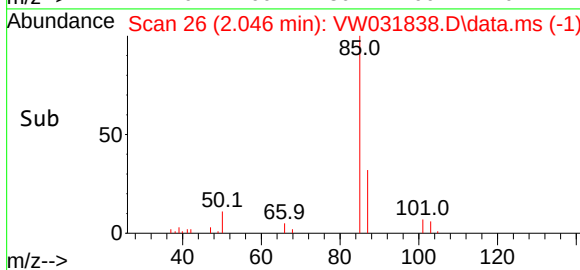
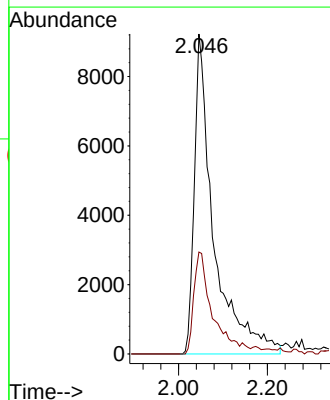
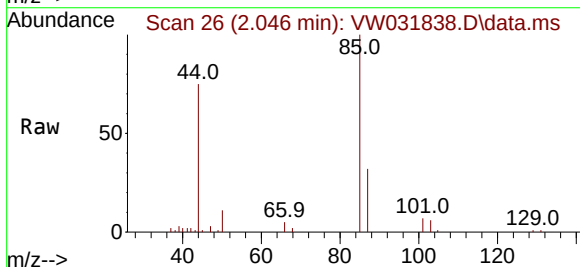
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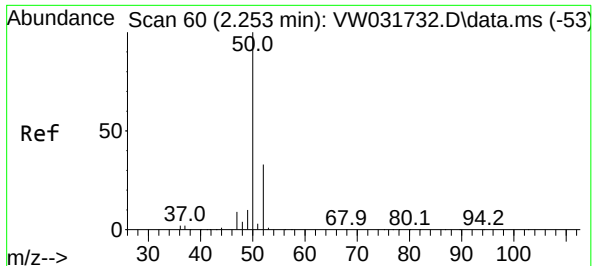
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#2
Dichlorodifluoromethane
Concen: 18.787 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 85 Resp: 27886
Ion Ratio Lower Upper
85 100
87 31.9 15.4 46.2





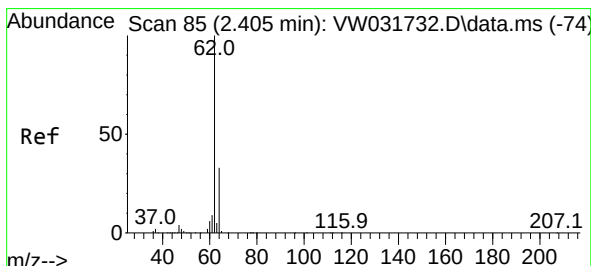
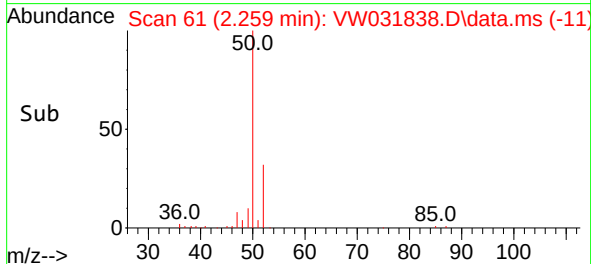
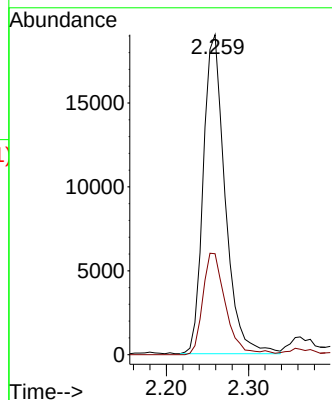
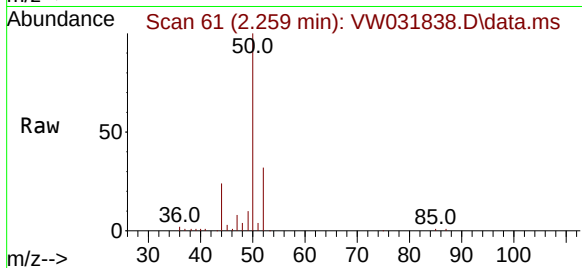
#3
Chloromethane
Concen: 19.631 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 50 Resp: 35130
Ion Ratio Lower Upper
50 100
52 31.7 26.2 39.2

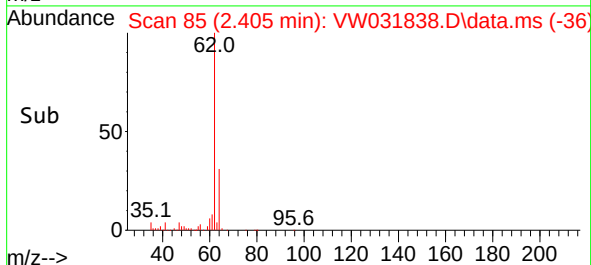
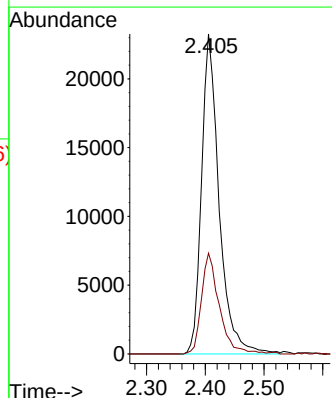
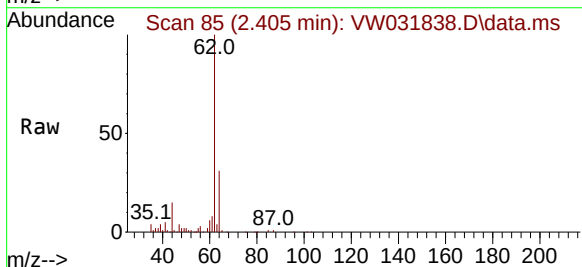
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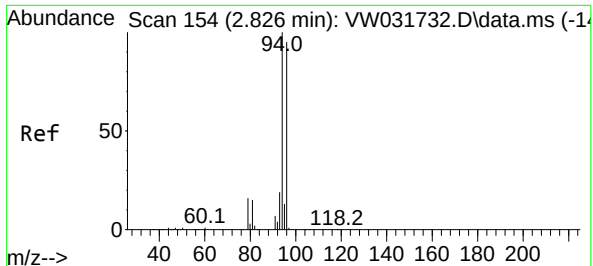
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#4
Vinyl Chloride
Concen: 20.563 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

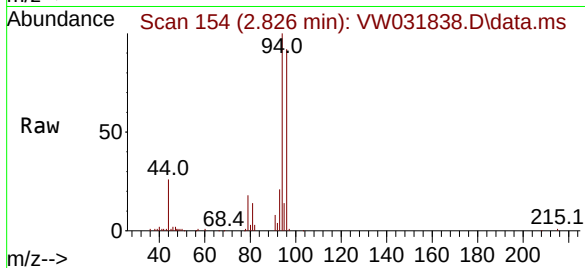
Tgt Ion: 62 Resp: 48367
Ion Ratio Lower Upper
62 100
64 31.5 26.8 40.2





#5
Bromomethane
Concen: 20.187 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

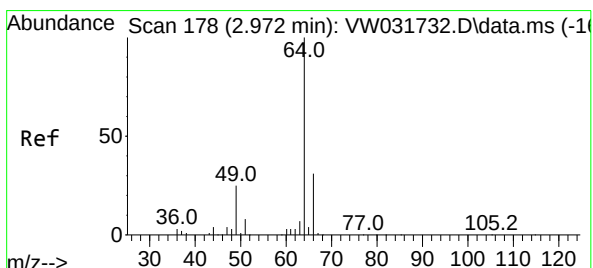
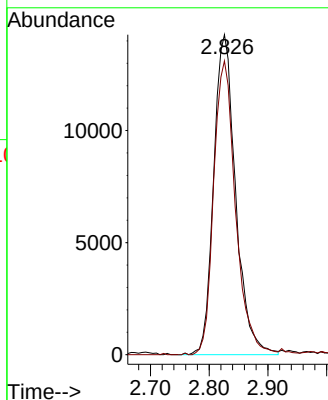
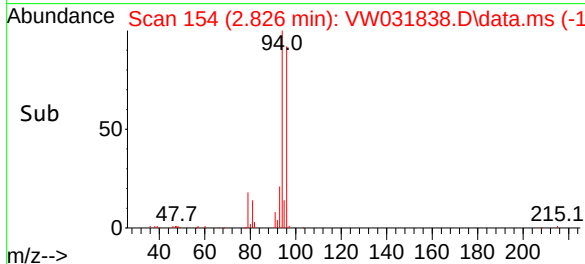
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



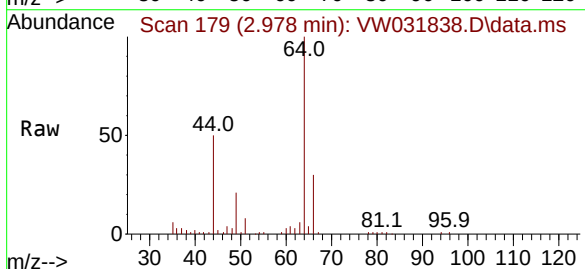
Tgt Ion: 94 Resp: 3708
Ion Ratio Lower Upper
94 100
96 91.8 75.6 113.4

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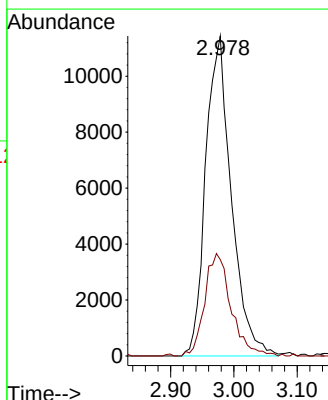
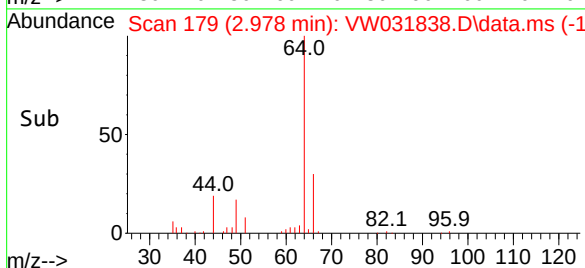
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

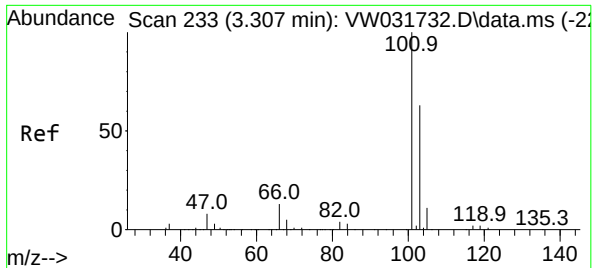


#6
Chloroethane
Concen: 20.183 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion: 64 Resp: 32246
Ion Ratio Lower Upper
64 100
66 30.1 24.5 36.7





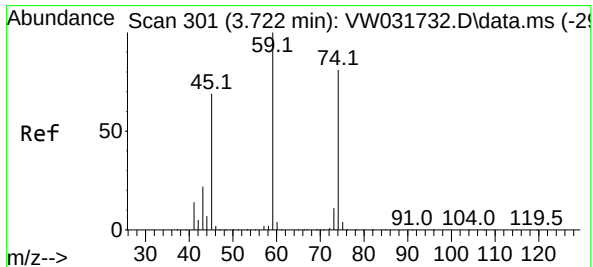
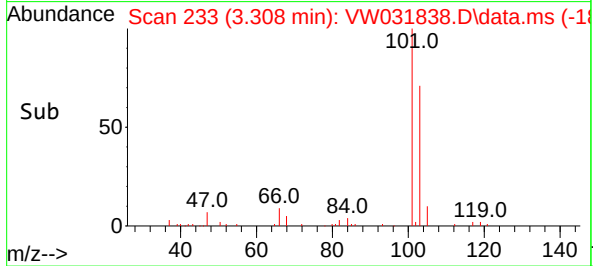
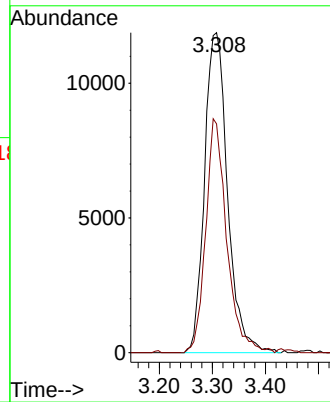
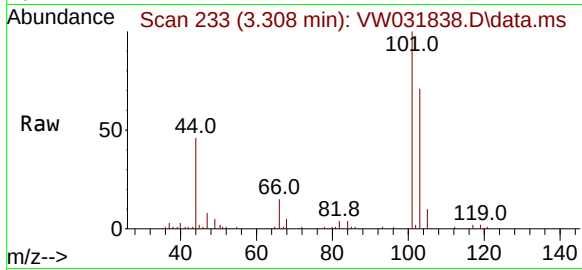
#7
Trichlorofluoromethane
Concen: 16.772 ug/l
RT: 3.308 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:101 Resp: 3582
Ion Ratio Lower Upper
101 100
103 71.5 50.2 75.4

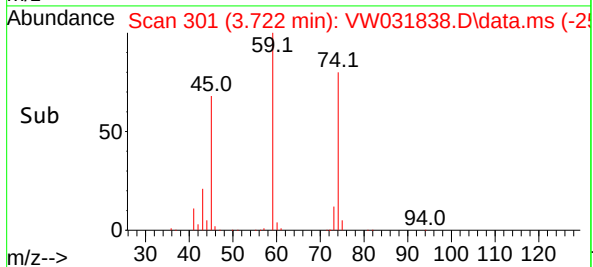
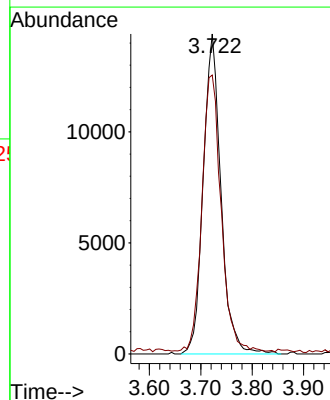
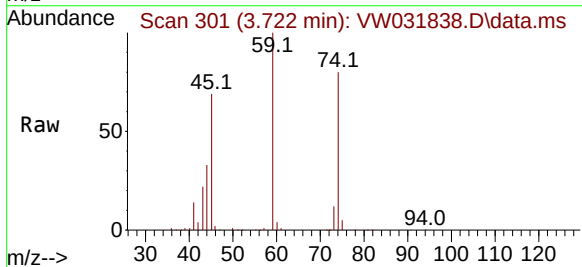
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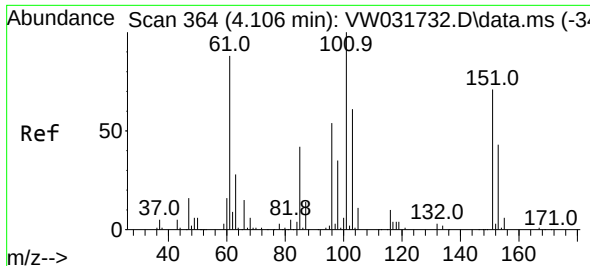
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#8
Diethyl Ether
Concen: 21.250 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

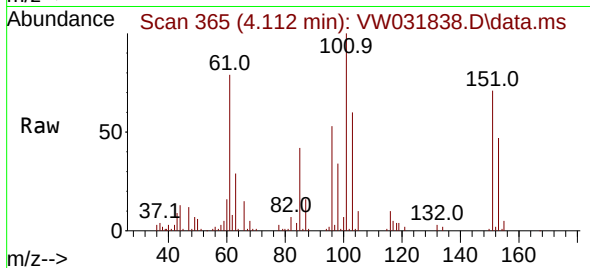
Tgt Ion: 74 Resp: 34493
Ion Ratio Lower Upper
74 100
45 92.3 43.9 131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.459 ug/l
RT: 4.112 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

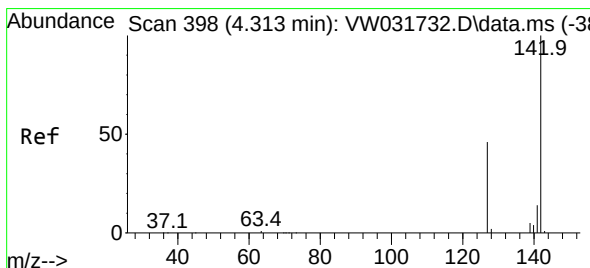
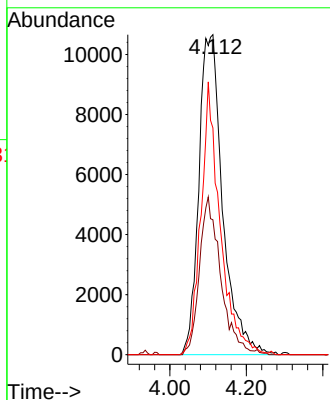
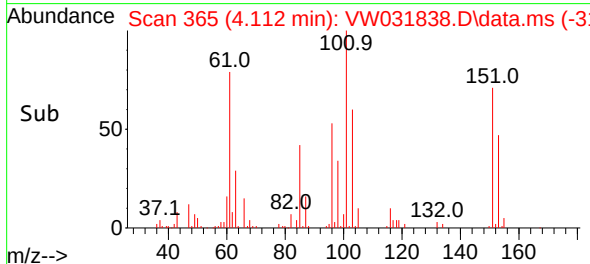
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



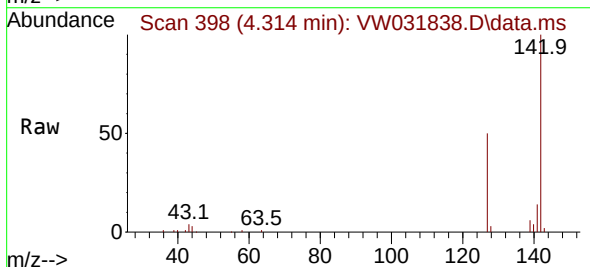
Tgt Ion:101 Resp: 4613
Ion Ratio Lower Upper
101 100
85 44.2 35.6 53.4
151 68.9 56.8 85.2

Manual Integrations
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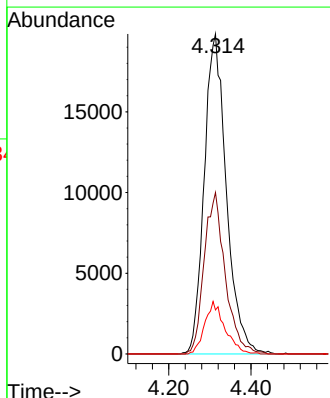
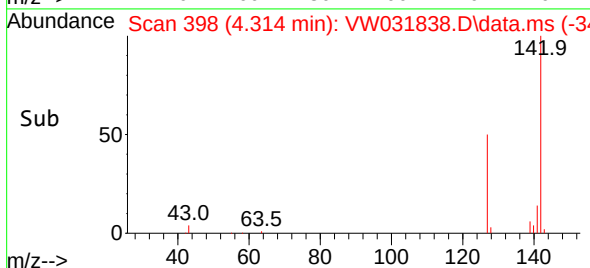
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

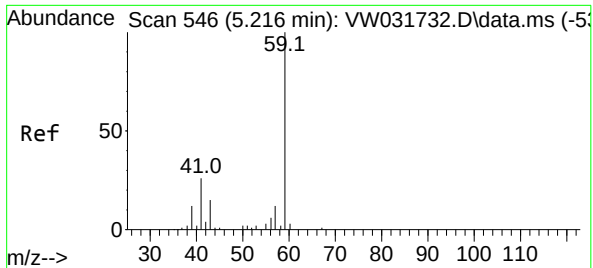


#10
Methyl Iodide
Concen: 20.262 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion:142 Resp: 74062
Ion Ratio Lower Upper
142 100
127 48.1 37.9 56.9
141 15.0 11.7 17.5





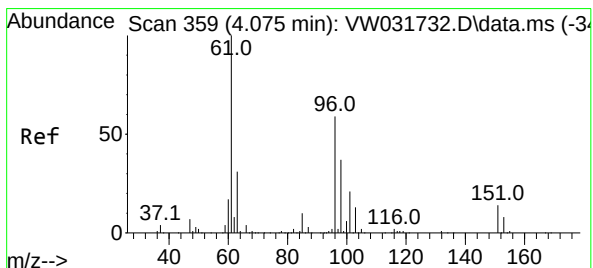
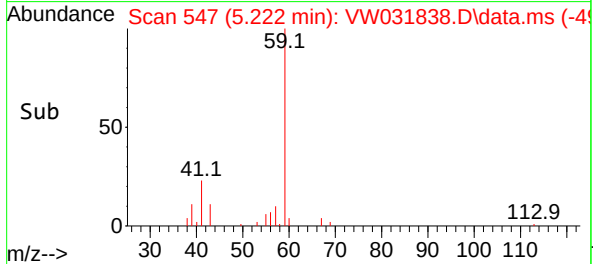
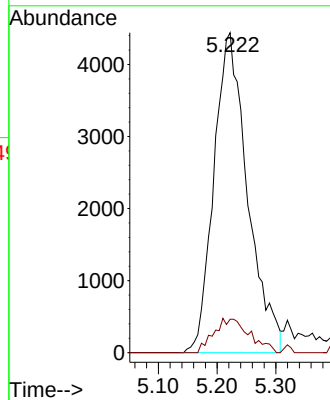
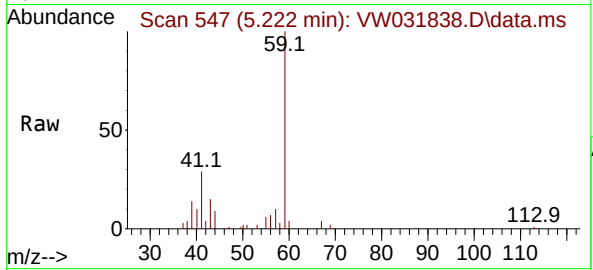
#11
Tert butyl alcohol
Concen: 91.382 ug/l
RT: 5.222 min Scan# 546
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 59 Resp: 17708
Ion Ratio Lower Upper
59 100
57 11.3 9.5 14.3

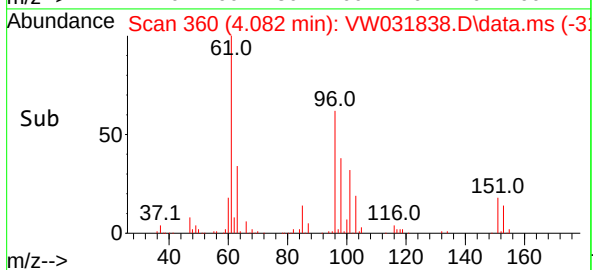
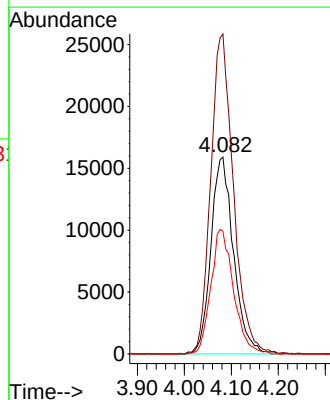
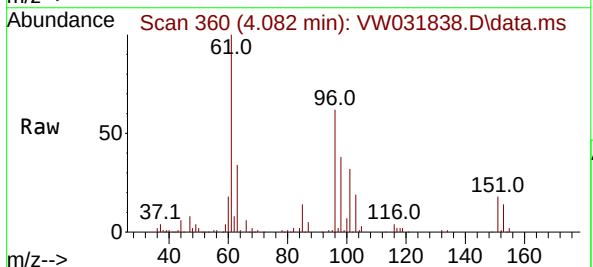
Manual Integrations
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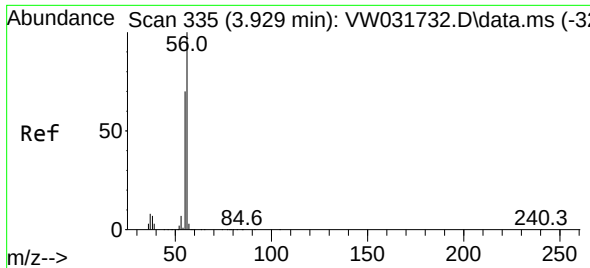
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#12
1,1-Dichloroethene
Concen: 20.470 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 96 Resp: 53161
Ion Ratio Lower Upper
96 100
61 162.4 135.8 203.8
98 62.3 50.4 75.6





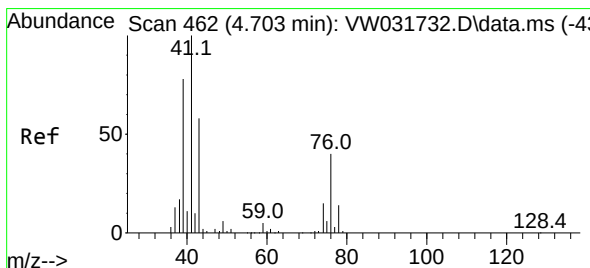
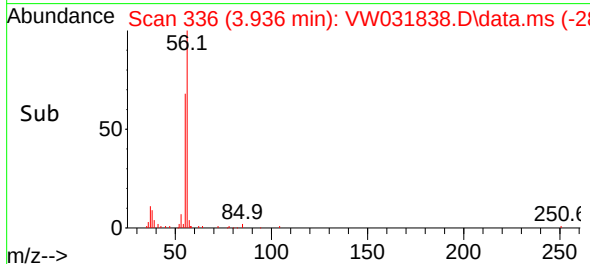
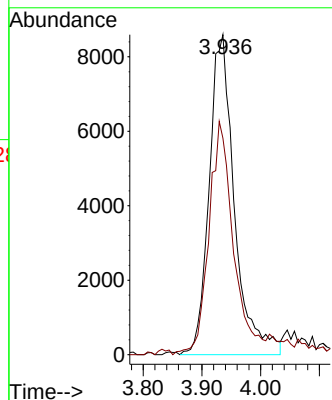
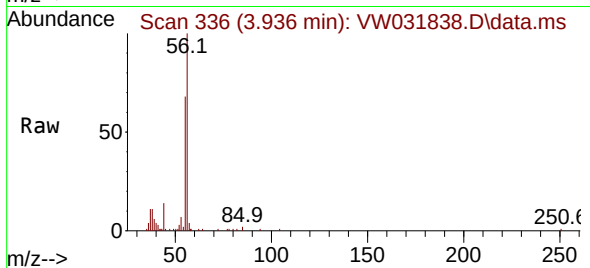
#13
Acrolein
Concen: 73.666 ug/l
RT: 3.936 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 56 Resp: 2565
Ion Ratio Lower Upper
56 100
55 70.6 54.0 81.0

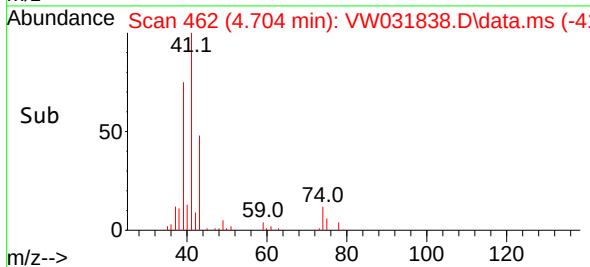
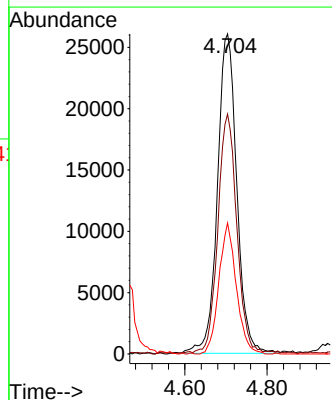
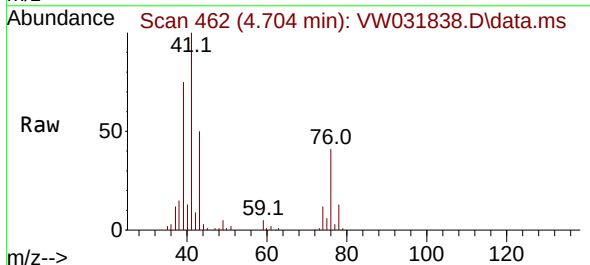
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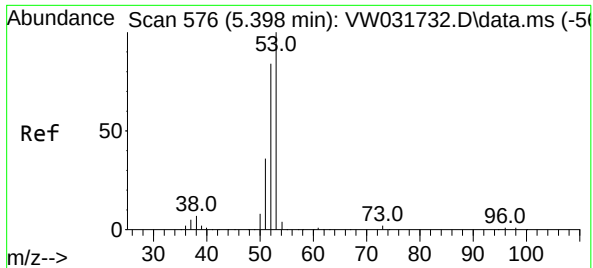
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#14
Allyl chloride
Concen: 21.365 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 41 Resp: 85131
Ion Ratio Lower Upper
41 100
39 73.5 60.7 91.1
76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 99.746 ug/l

RT: 5.405 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 53 Resp: 79618

Ion Ratio Lower Upper

53 100

52 81.2 66.4 99.6

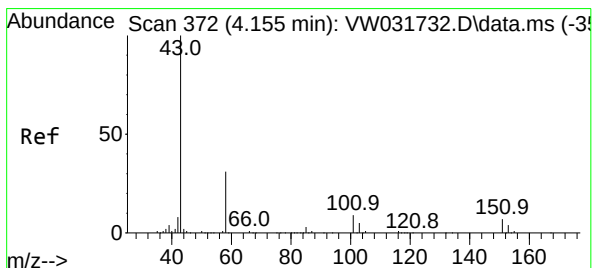
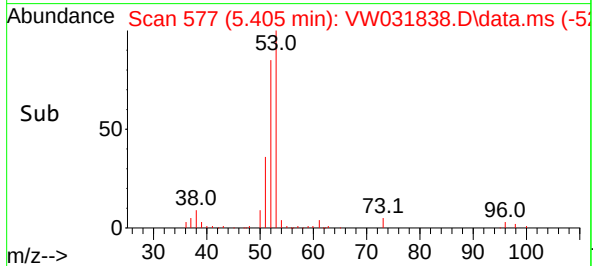
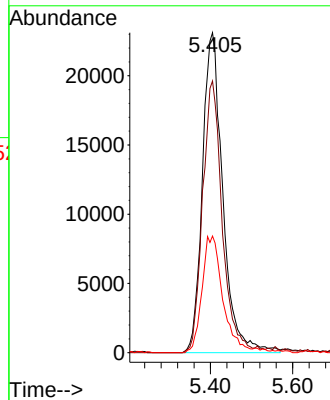
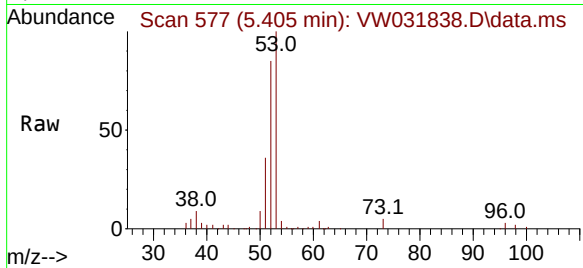
51 37.1 29.9 44.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#16

Acetone

Concen: 87.065 ug/l

RT: 4.167 min Scan# 374

Delta R.T. 0.013 min

Lab File: VW031838.D

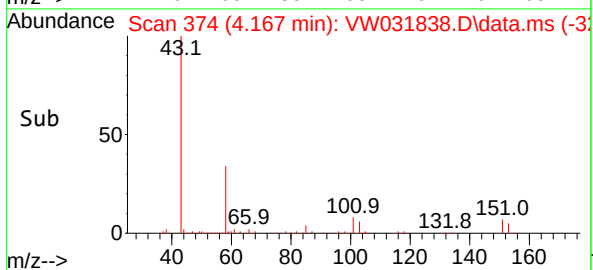
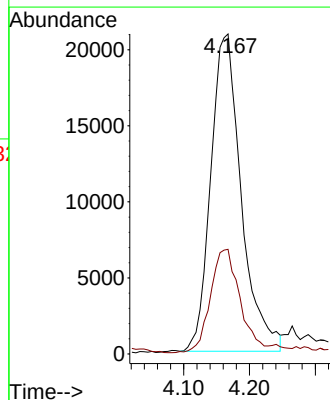
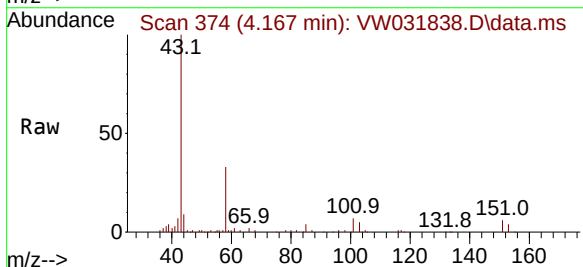
Acq: 14 Jul 2025 10:14

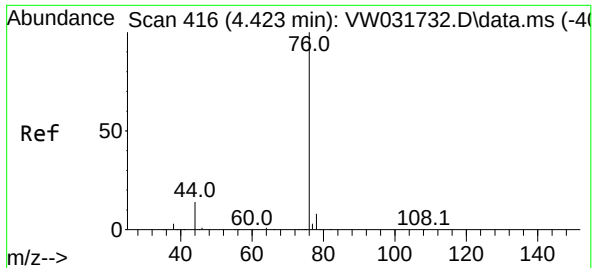
Tgt Ion: 43 Resp: 67311

Ion Ratio Lower Upper

43 100

58 32.2 24.8 37.2





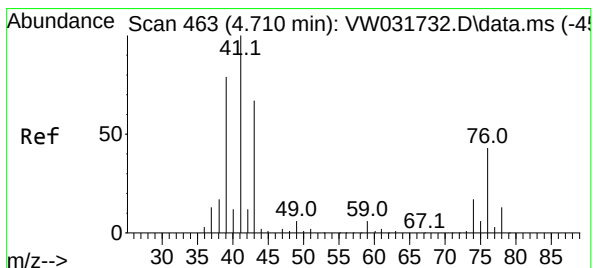
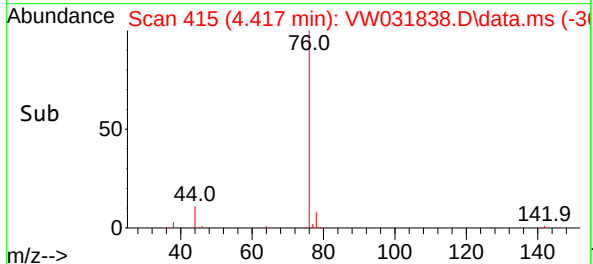
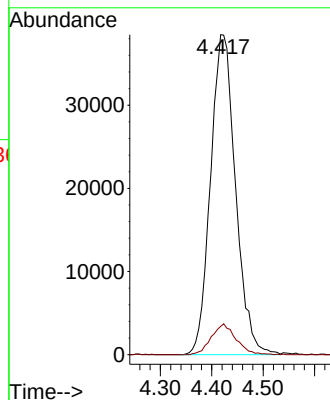
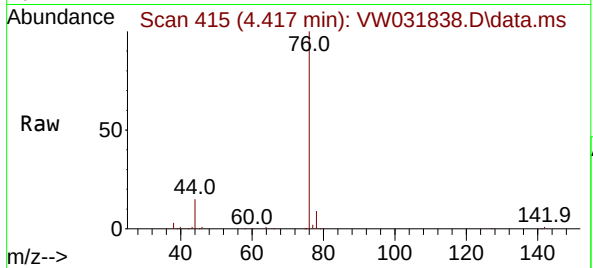
#17
Carbon Disulfide
Concen: 18.700 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 76 Resp: 129954
Ion Ratio Lower Upper
76 100
78 8.8 6.6 10.0

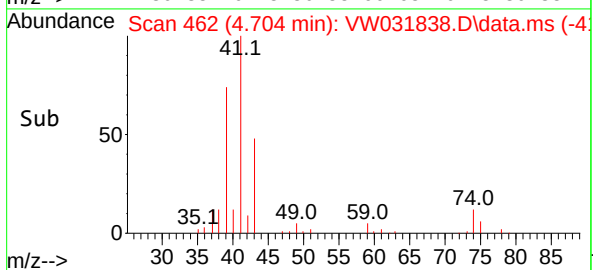
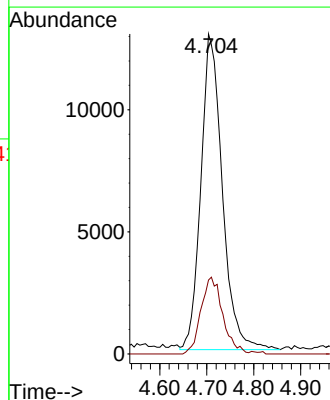
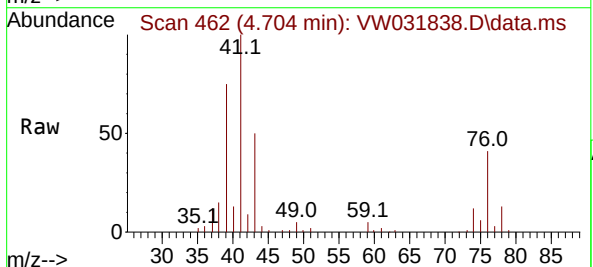
Manual Integrations
APPROVED

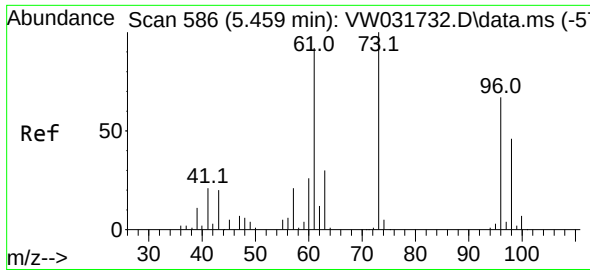
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#18
Methyl Acetate
Concen: 18.567 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 43 Resp: 41025
Ion Ratio Lower Upper
43 100
74 24.6 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 22.754 ug/l

RT: 5.460 min Scan# 586

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 73 Resp: 100300

Ion Ratio Lower Upper

73 100

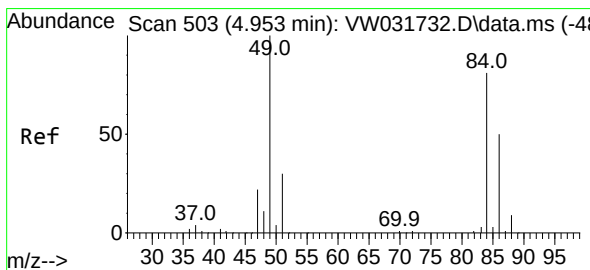
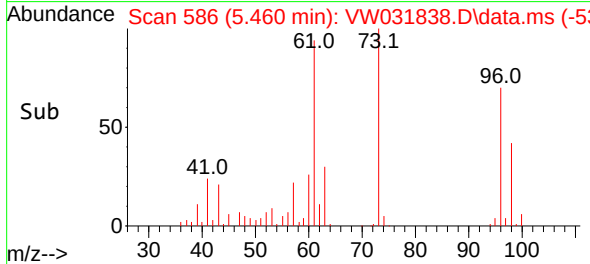
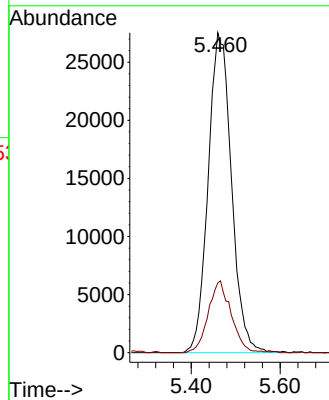
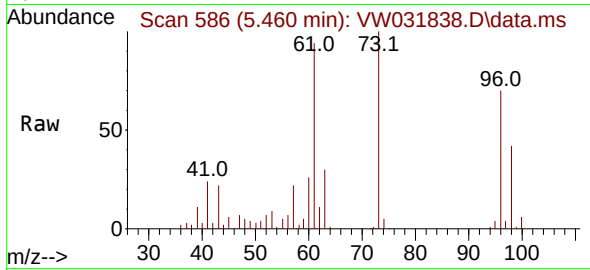
57 21.8 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#20

Methylene Chloride

Concen: 24.047 ug/l

RT: 4.954 min Scan# 503

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Tgt Ion: 84 Resp: 82155

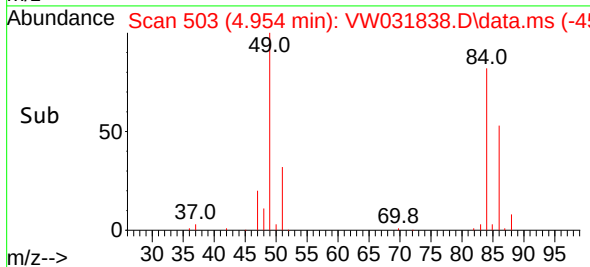
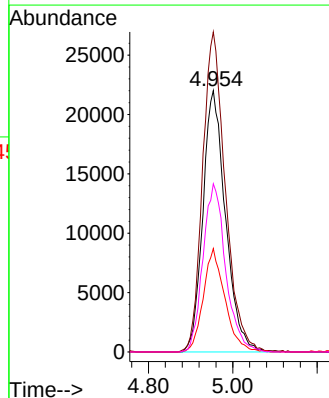
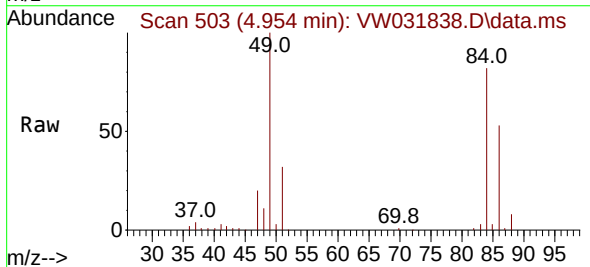
Ion Ratio Lower Upper

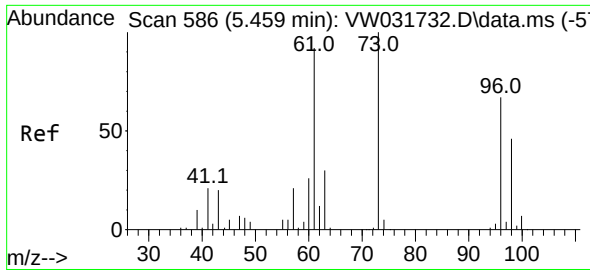
84 100

49 122.2 98.2 147.4

51 39.6 29.8 44.8

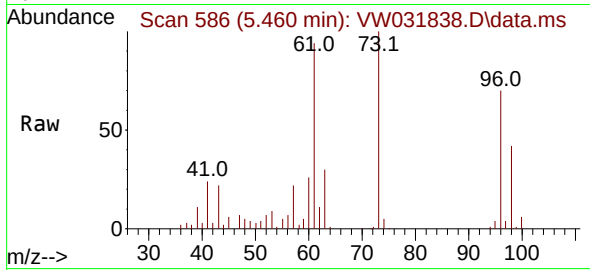
86 64.3 49.5 74.3





#21
trans-1,2-Dichloroethene
Concen: 21.666 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

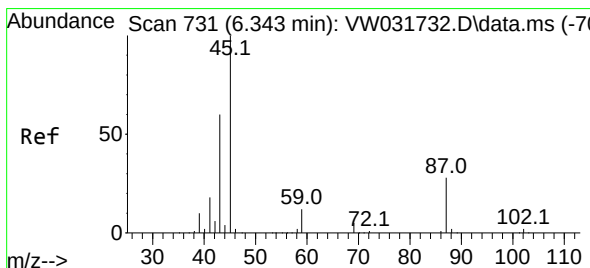
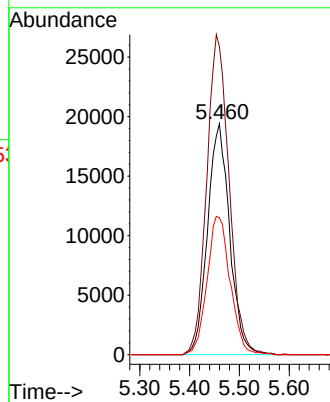
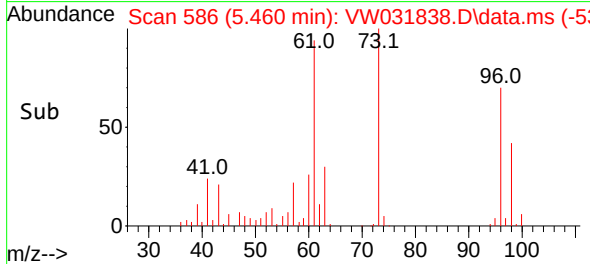
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 96 Resp: 5978
Ion Ratio Lower Upper
96 100
61 133.3 109.8 164.6
98 59.3 54.9 82.3

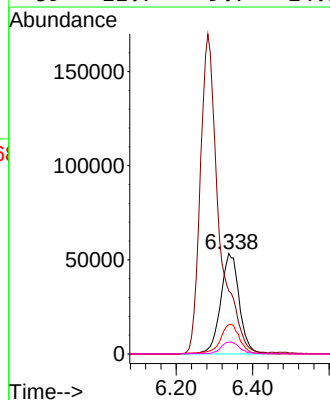
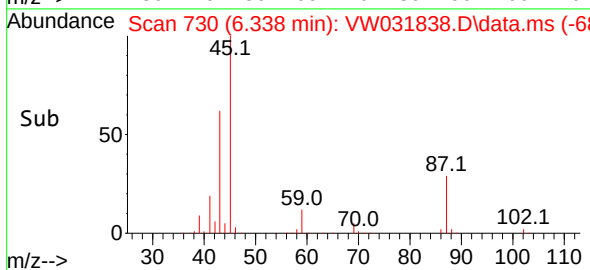
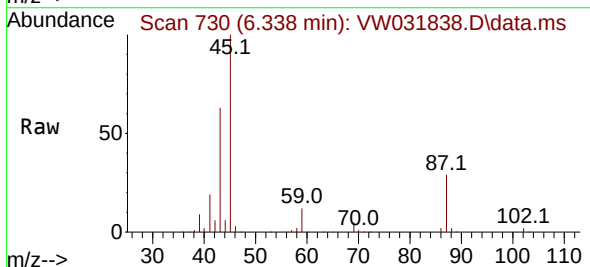
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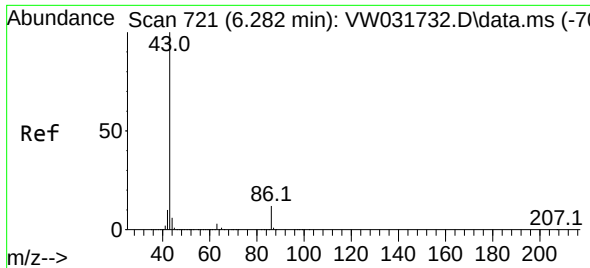
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#22
Diisopropyl ether
Concen: 23.276 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

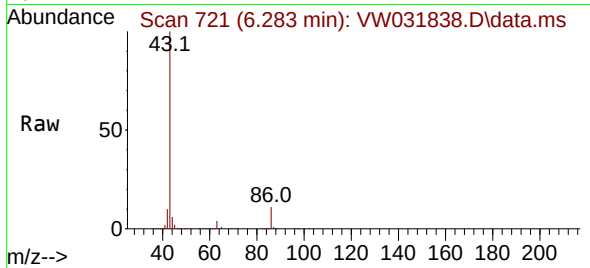
Tgt Ion: 45 Resp: 180883
Ion Ratio Lower Upper
45 100
43 62.5 48.3 72.5
87 29.1 22.6 34.0
59 11.7 9.7 14.5





#23
Vinyl Acetate
Concen: 108.368 ug/l
RT: 6.283 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

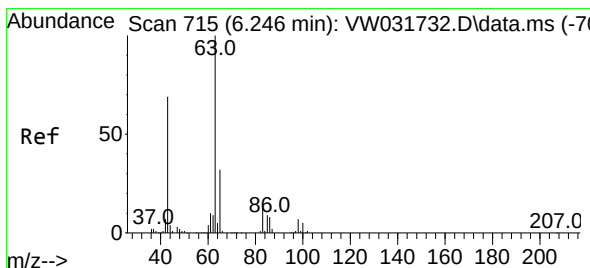
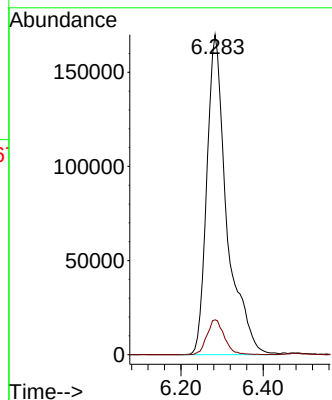
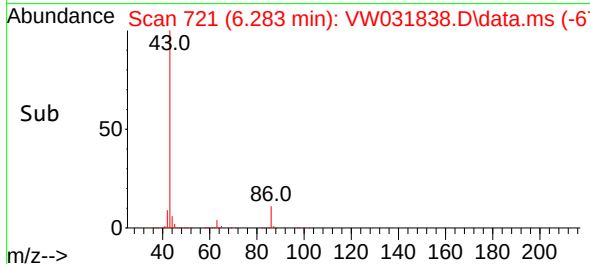
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 43 Resp: 575220
Ion Ratio Lower Upper
43 100
86 10.9 9.2 13.8

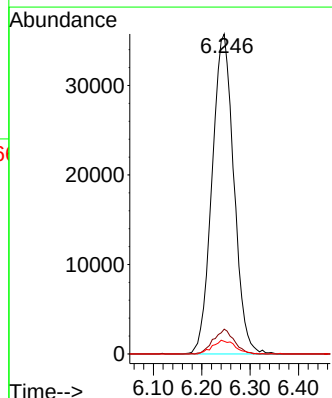
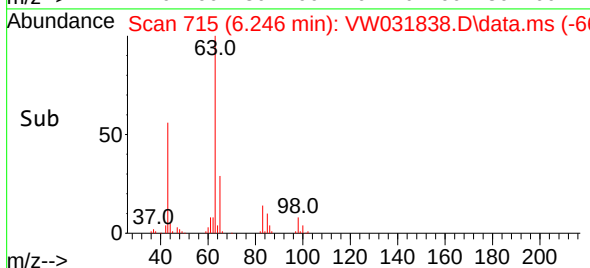
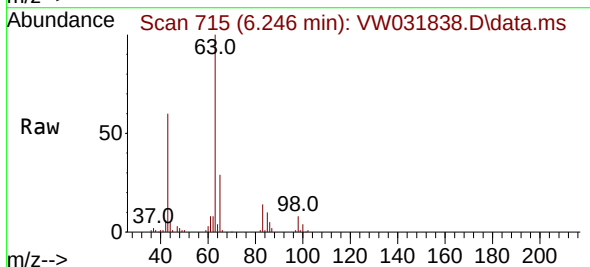
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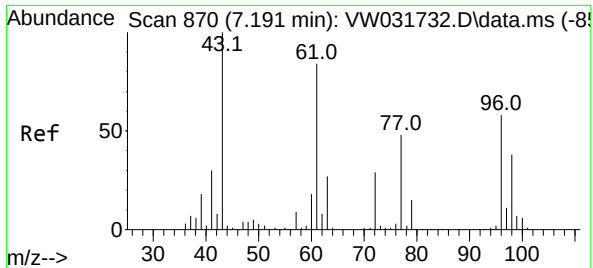
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#24
1,1-Dichloroethane
Concen: 22.212 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 63 Resp: 111909
Ion Ratio Lower Upper
63 100
98 7.7 3.5 10.6
100 4.0 2.5 7.5





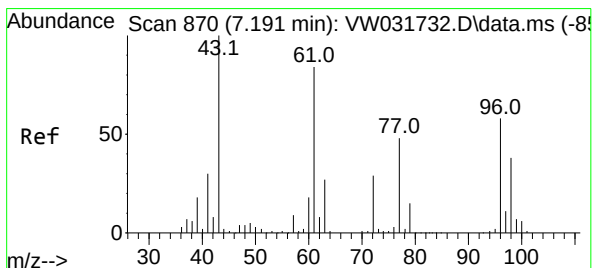
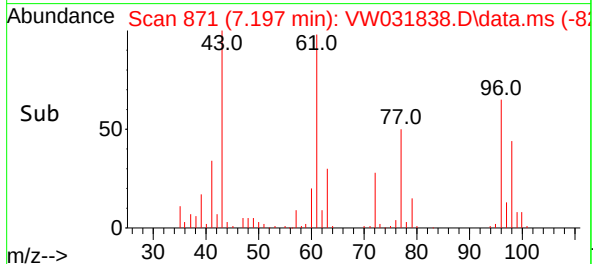
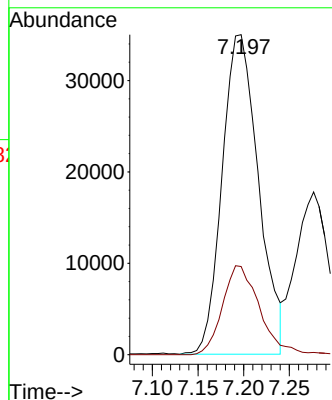
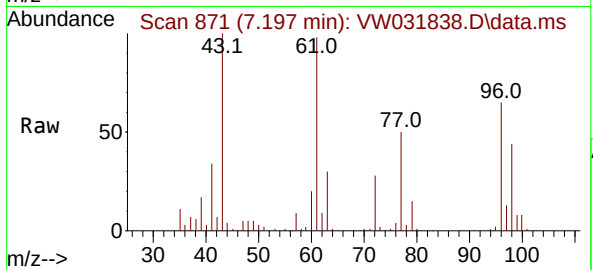
#25
2-Butanone
Concen: 96.323 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
72 27.6 23.0 34.6

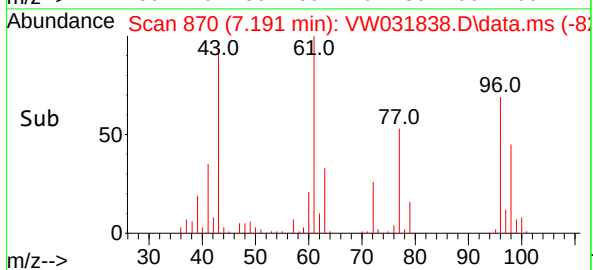
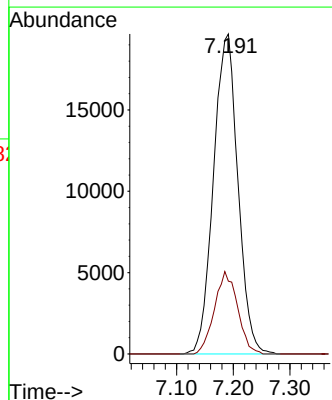
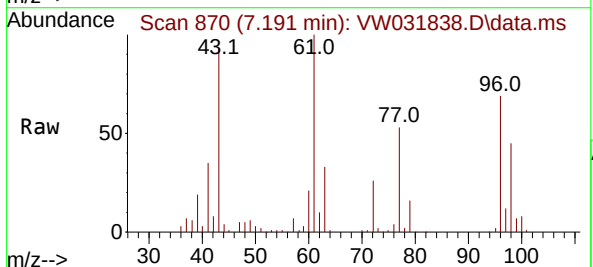
Manual Integrations
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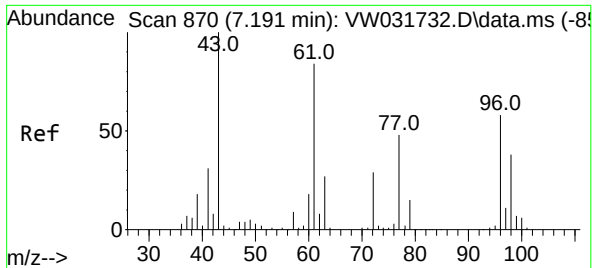
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#26
2,2-Dichloropropane
Concen: 19.972 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

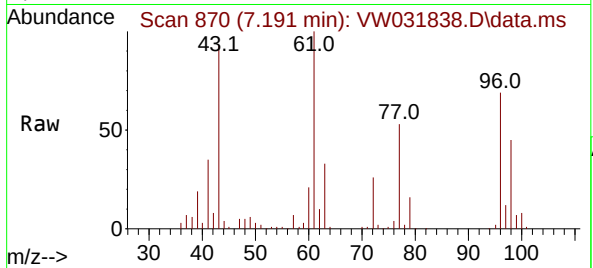
Tgt Ion: 77 Resp: 58709
Ion Ratio Lower Upper
77 100
97 24.4 11.6 34.7





#27
cis-1,2-Dichloroethene
Concen: 22.325 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

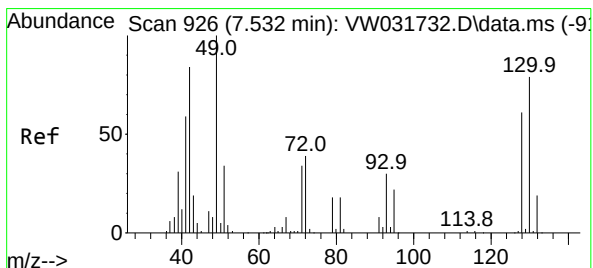
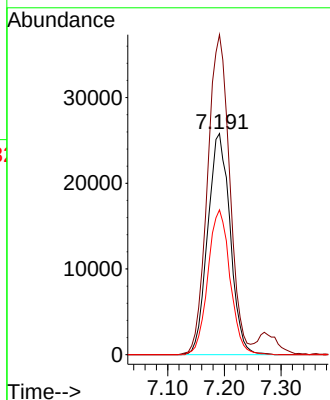
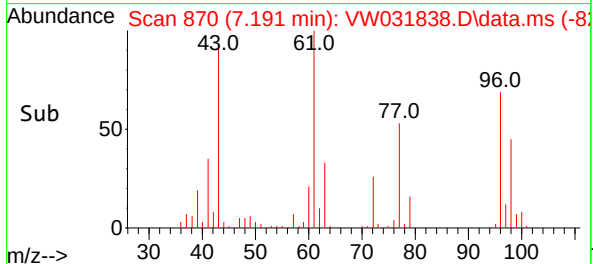
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 96 Resp: 7081
Ion Ratio Lower Upper
96 100
61 143.3 0.0 286.8
98 64.7 0.0 130.4

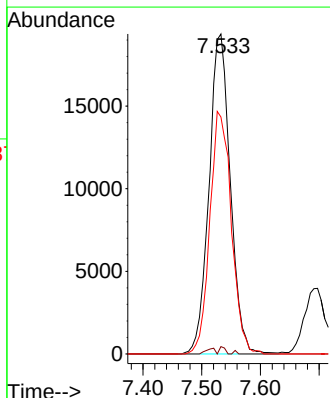
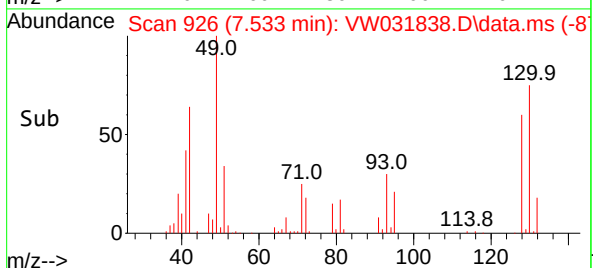
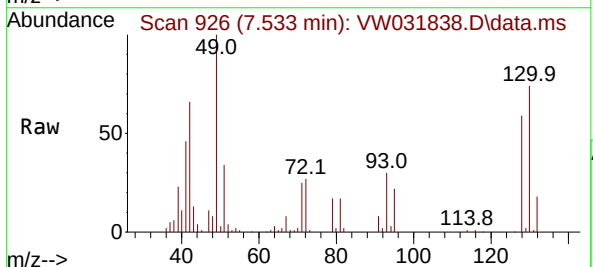
Manual Integrations
APPROVED

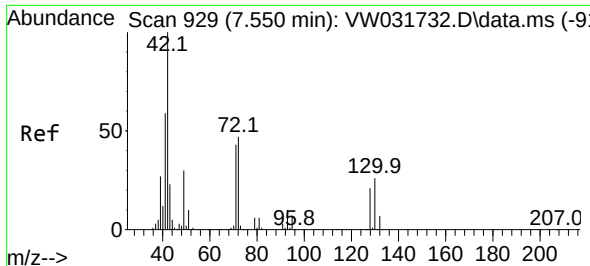
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#28
Bromochloromethane
Concen: 21.927 ug/l
RT: 7.533 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 49 Resp: 48752
Ion Ratio Lower Upper
49 100
129 0.6 0.0 2.4
130 76.5 61.3 91.9





#29

Tetrahydrofuran

Concen: 97.917 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 42 Resp: 6744

Ion Ratio Lower Upper

42 100

72 45.9 36.8 55.2

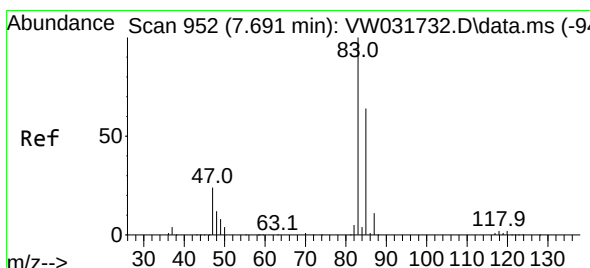
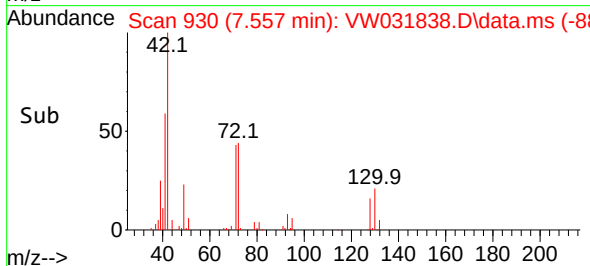
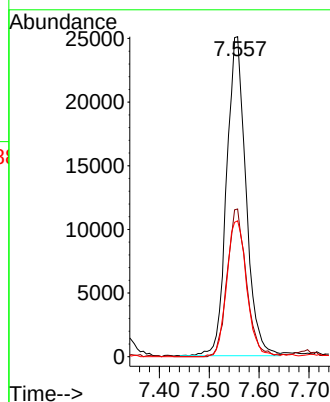
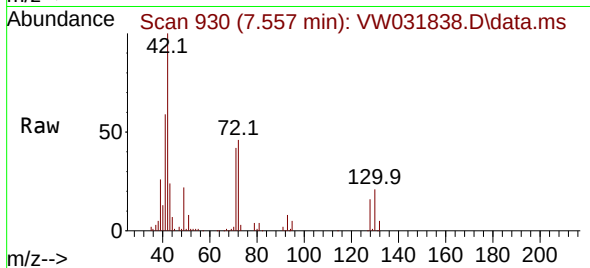
71 44.2 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#30

Chloroform

Concen: 22.708 ug/l

RT: 7.691 min Scan# 952

Delta R.T. 0.000 min

Lab File: VW031838.D

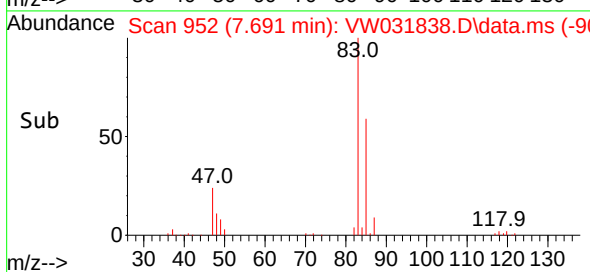
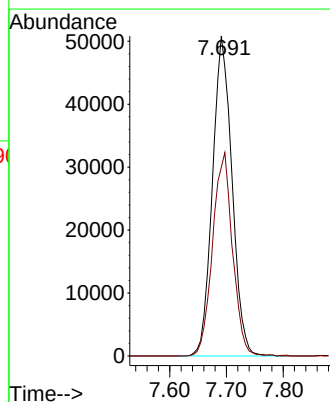
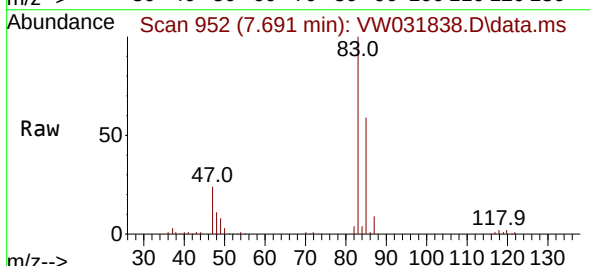
Acq: 14 Jul 2025 10:14

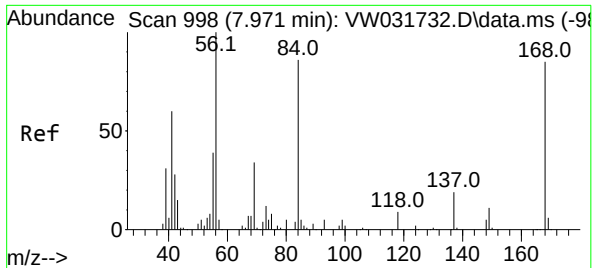
Tgt Ion: 83 Resp: 121573

Ion Ratio Lower Upper

83 100

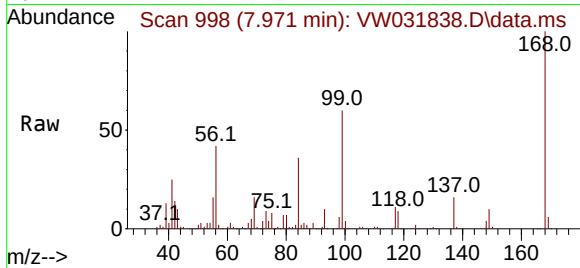
85 59.0 51.4 77.0





#31
Cyclohexane
Concen: 19.733 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

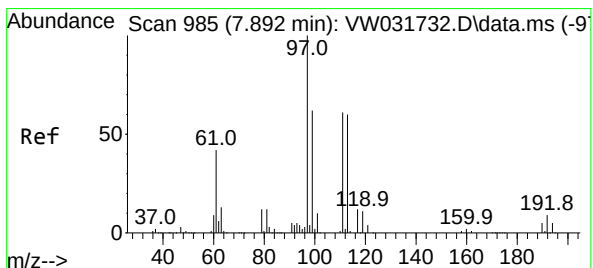
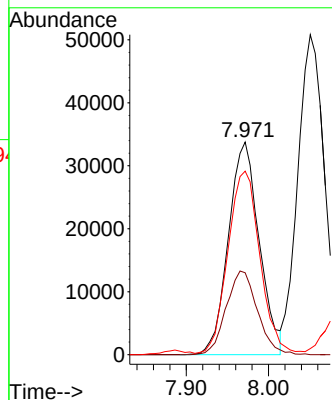
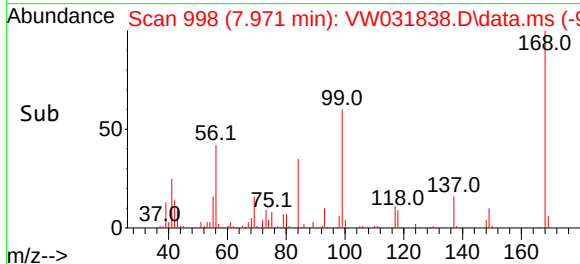
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 56 Resp: 8788
Ion Ratio Lower Upper
56 100
69 38.6 27.2 40.8
84 84.6 68.5 102.7

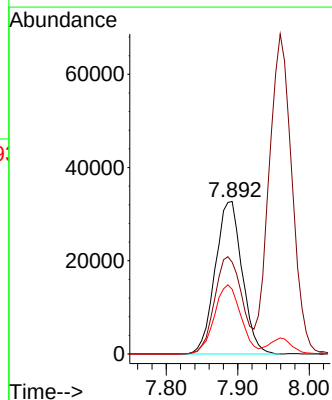
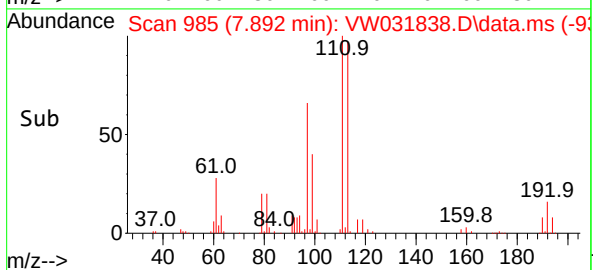
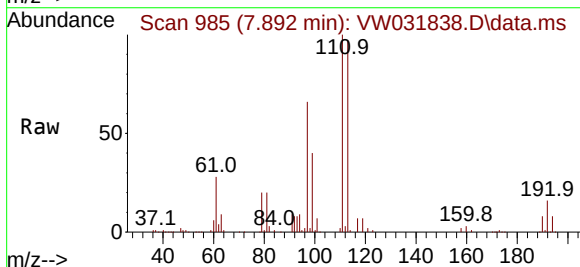
Manual Integrations
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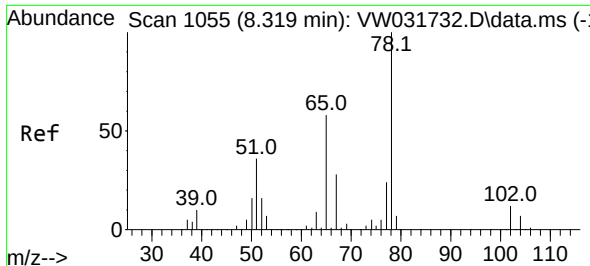
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#32
1,1,1-Trichloroethane
Concen: 20.716 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 97 Resp: 85467
Ion Ratio Lower Upper
97 100
99 65.7 51.0 76.6
61 44.7 36.0 54.0





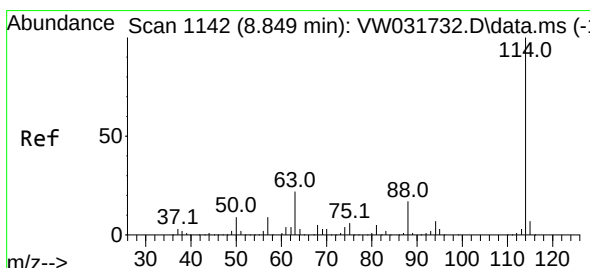
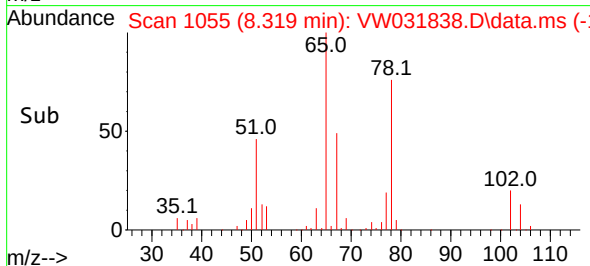
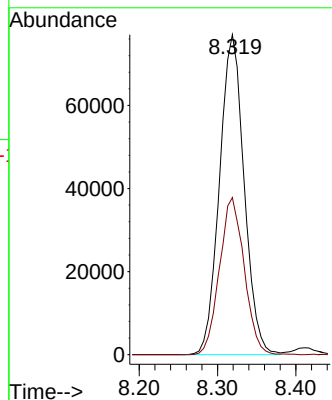
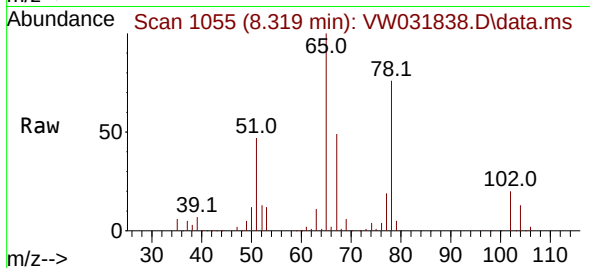
#33
1,2-Dichloroethane-d4
Concen: 53.803 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 65 Resp: 16828
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.4

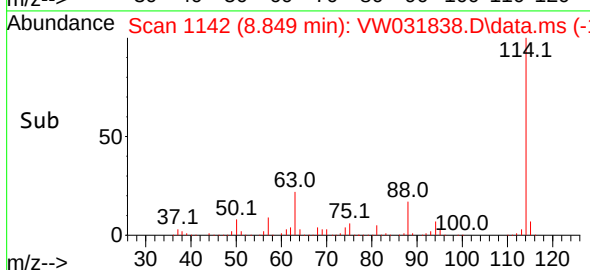
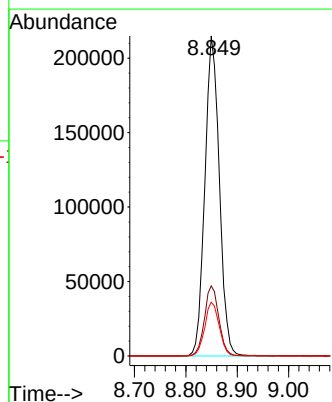
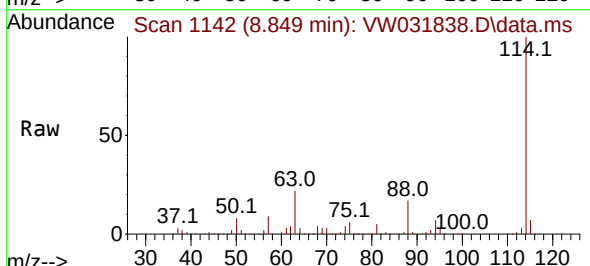
Manual Integrations
APPROVED

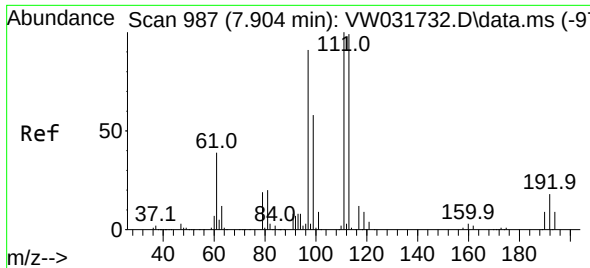
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion:114 Resp: 419177
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.632 ug/l

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:113 Resp: 135758

Ion Ratio Lower Upper

113 100

111 104.6 82.1 123.1

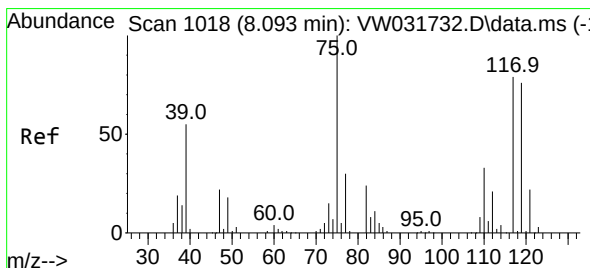
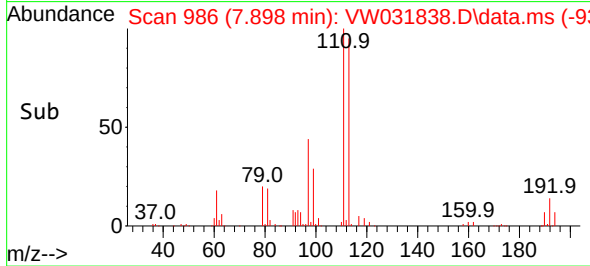
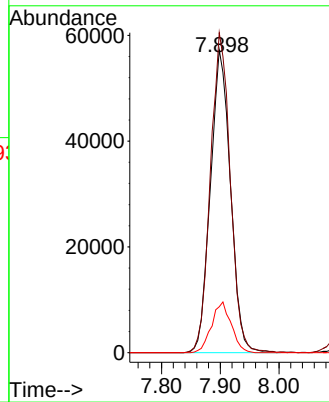
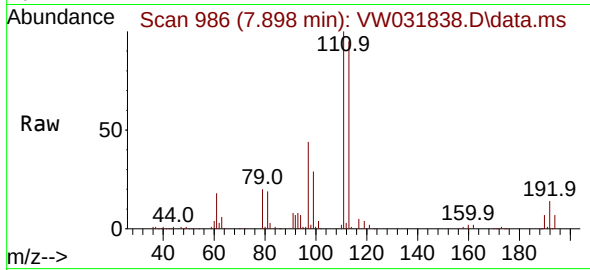
192 16.4 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#36

1,1-Dichloropropene

Concen: 20.386 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

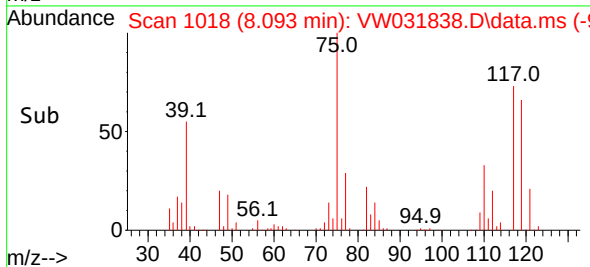
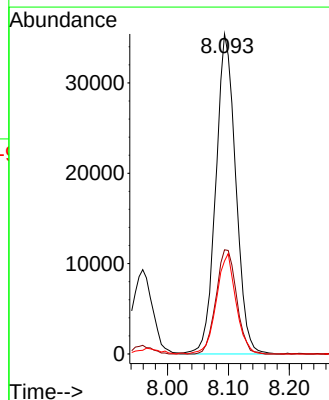
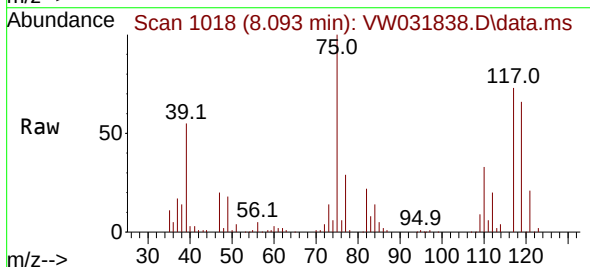
Tgt Ion: 75 Resp: 80692

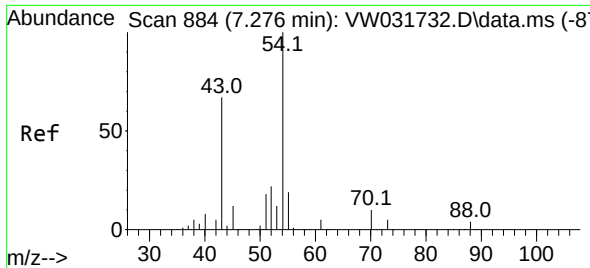
Ion Ratio Lower Upper

75 100

110 33.5 16.8 50.4

77 30.7 25.0 37.6





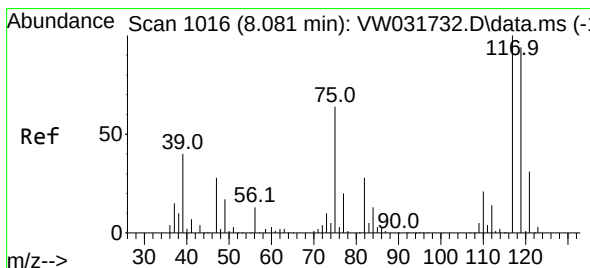
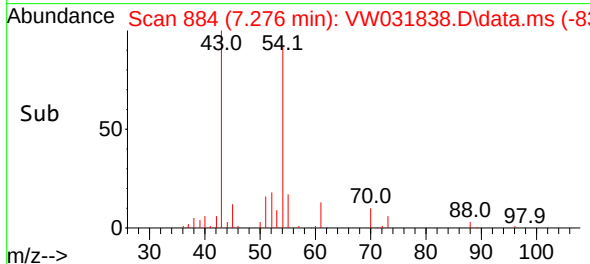
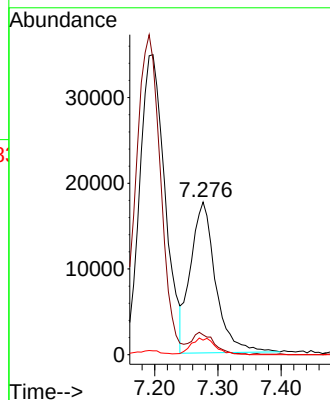
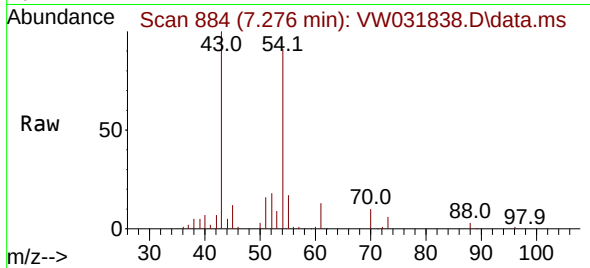
#37
Ethyl Acetate
Concen: 19.356 ug/l
RT: 7.276 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 43 Resp: 48330
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 10.9 9.2 13.8

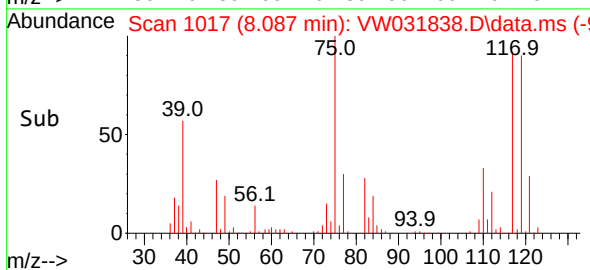
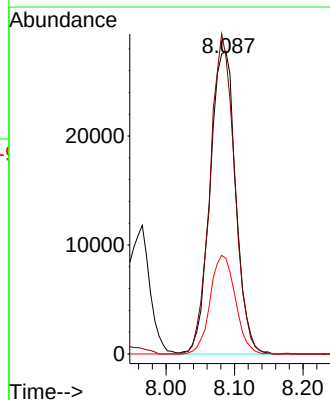
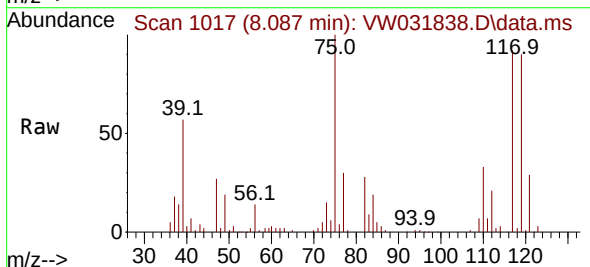
Manual Integrations
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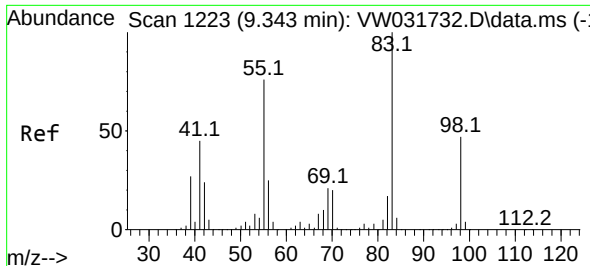
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#38
Carbon Tetrachloride
Concen: 17.937 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion:117 Resp: 72347
Ion Ratio Lower Upper
117 100
119 98.5 75.0 112.6
121 31.6 24.6 37.0





#39

Methylcyclohexane

Concen: 18.391 ug/l

RT: 9.343 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 83 Resp: 9056

Ion Ratio Lower Upper

83 100

55 76.2 61.0 91.4

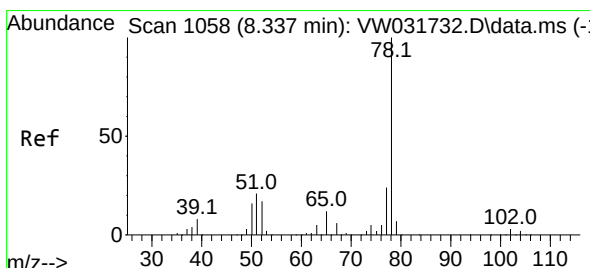
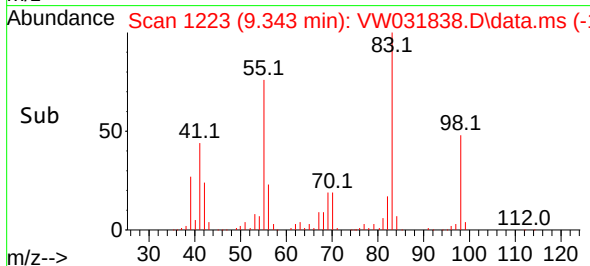
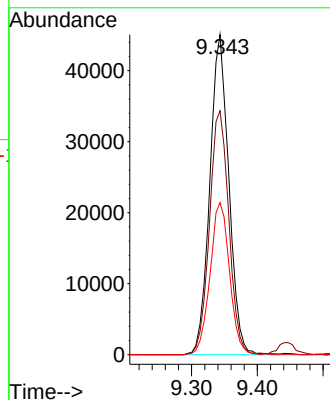
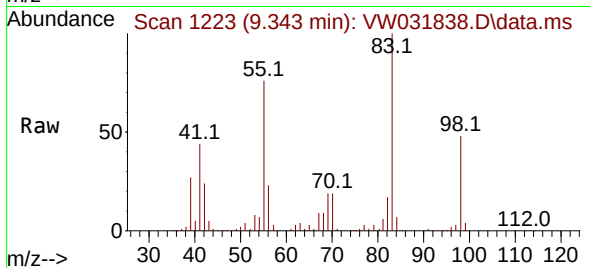
98 47.5 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#40

Benzene

Concen: 20.943 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031838.D

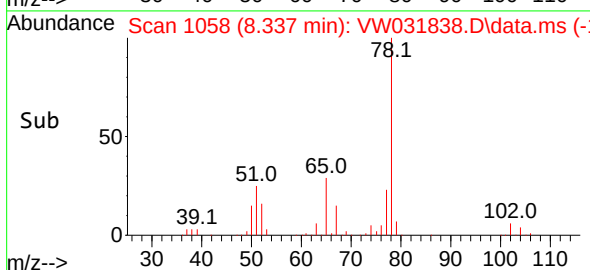
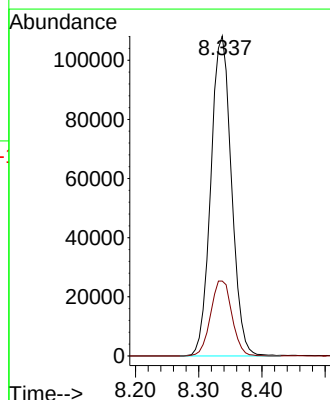
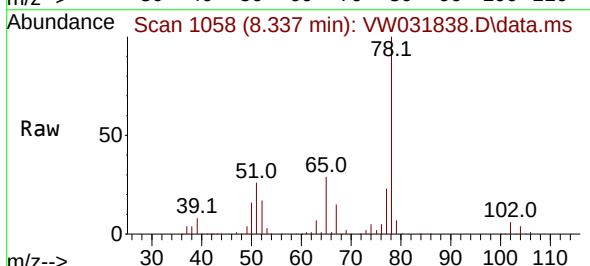
Acq: 14 Jul 2025 10:14

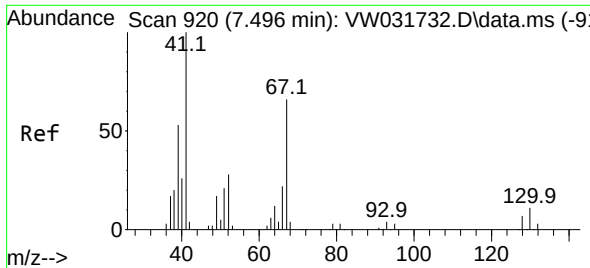
Tgt Ion: 78 Resp: 245256

Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8





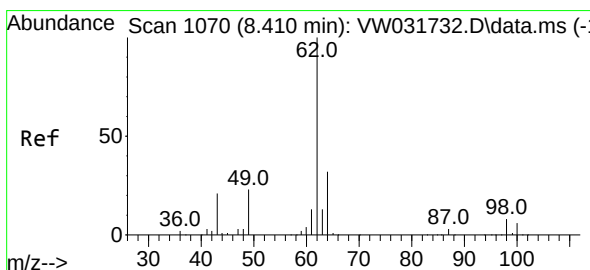
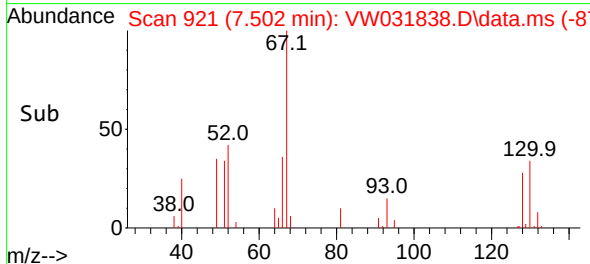
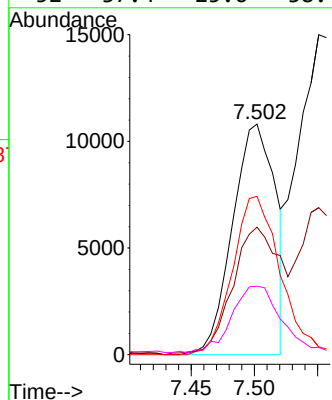
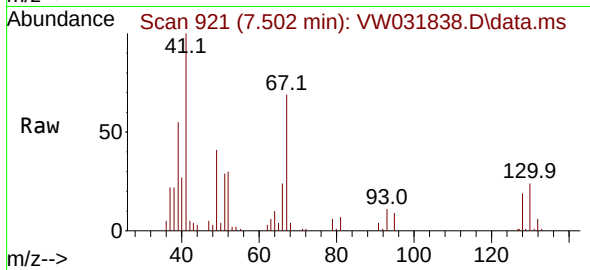
#41
Methacrylonitrile
Concen: 19.028 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 41 Resp: 2545
Ion Ratio Lower Upper
41 100
39 62.5 43.2 64.8
67 76.7 58.1 87.1
52 37.4 25.6 38.4

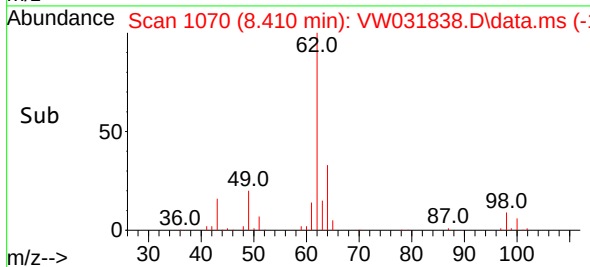
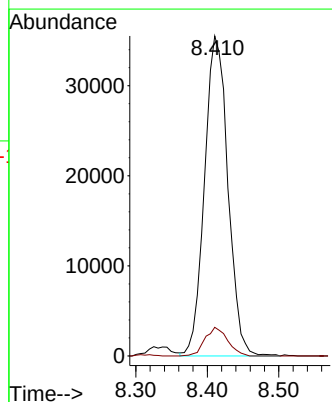
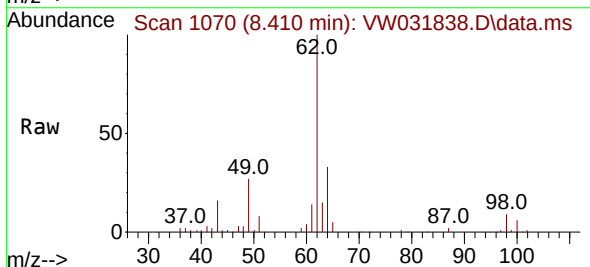
Manual Integrations
APPROVED

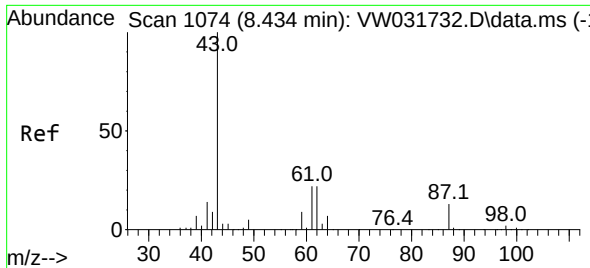
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#42
1,2-Dichloroethane
Concen: 20.422 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

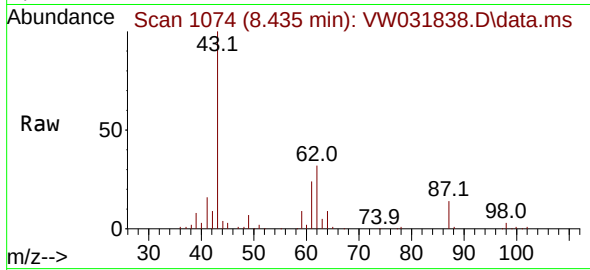
Tgt Ion: 62 Resp: 80807
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.2





#43
Isopropyl Acetate
Concen: 18.994 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

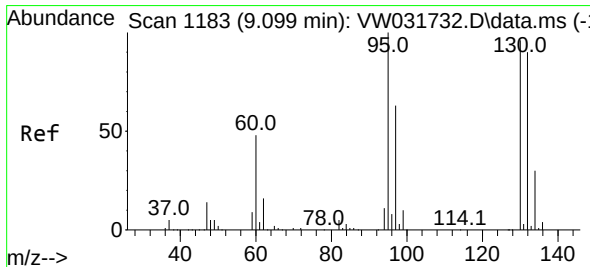
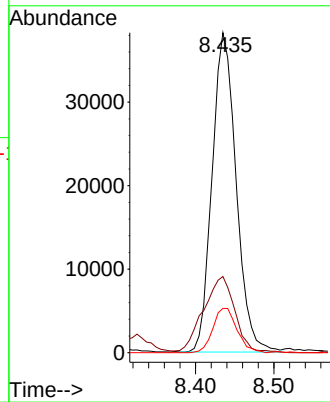
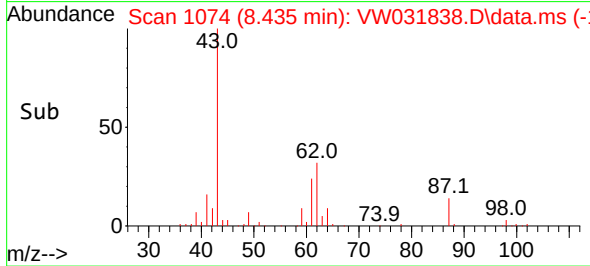
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 43 Resp: 8175
Ion Ratio Lower Upper
43 100
61 31.2 23.1 34.7
87 13.9 10.8 16.2

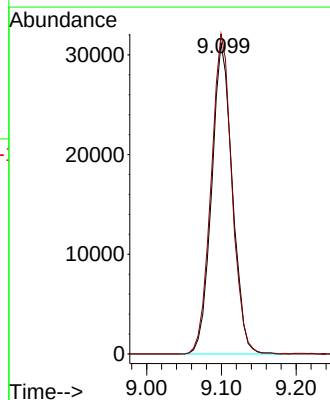
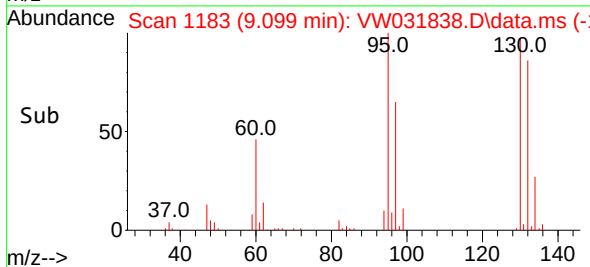
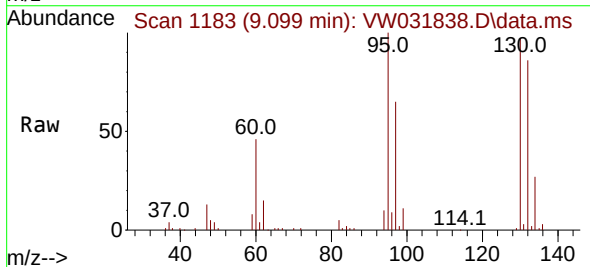
Manual Integrations
APPROVED

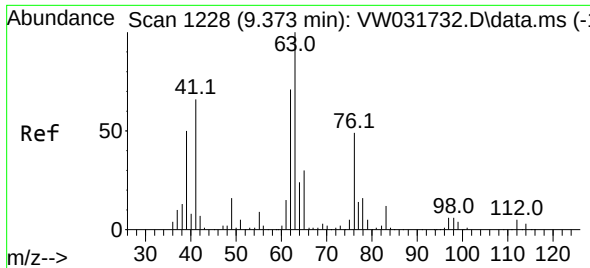
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#44
Trichloroethene
Concen: 20.496 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion:130 Resp: 59908
Ion Ratio Lower Upper
130 100
95 103.0 0.0 208.6





#45

1,2-Dichloropropane

Concen: 21.351 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 63 Resp: 60430

Ion Ratio Lower Upper

63 100

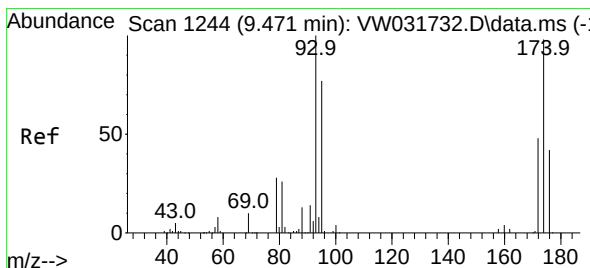
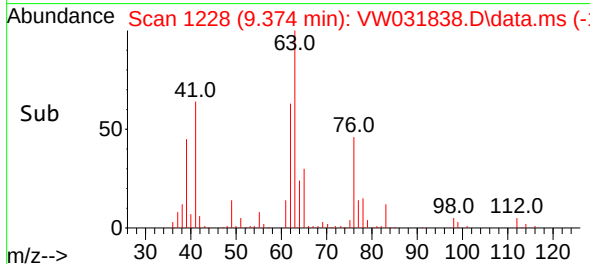
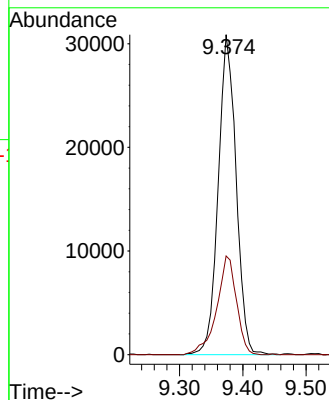
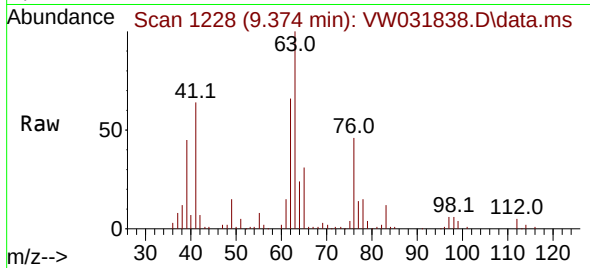
65 30.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#46

Dibromomethane

Concen: 20.278 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

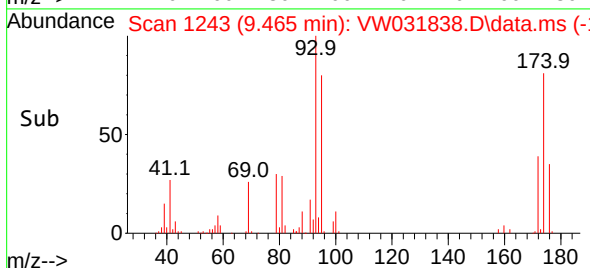
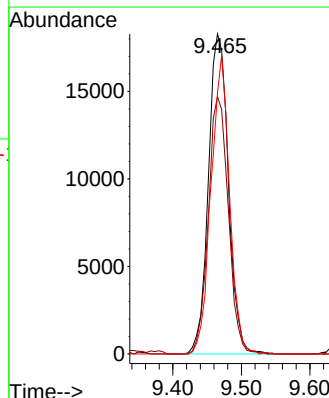
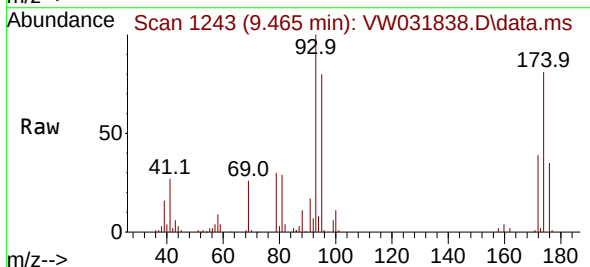
Tgt Ion: 93 Resp: 37053

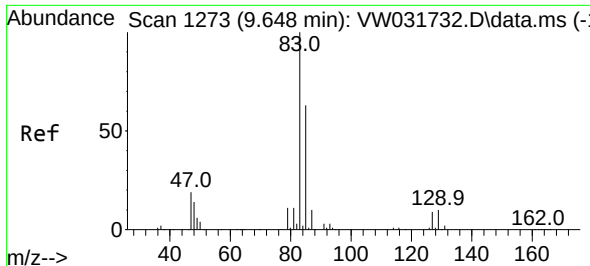
Ion Ratio Lower Upper

93 100

95 80.6 67.0 100.4

174 86.7 71.7 107.5





#47

Bromodichloromethane

Concen: 20.775 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

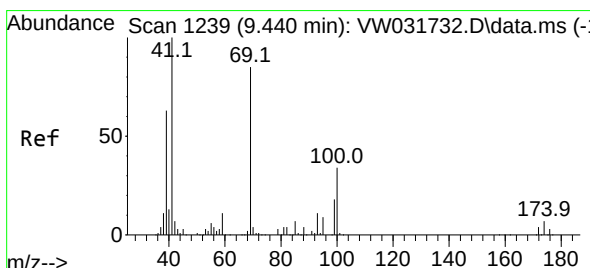
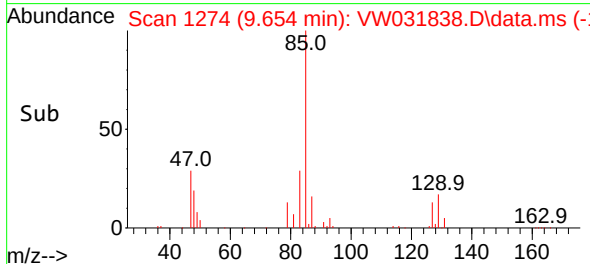
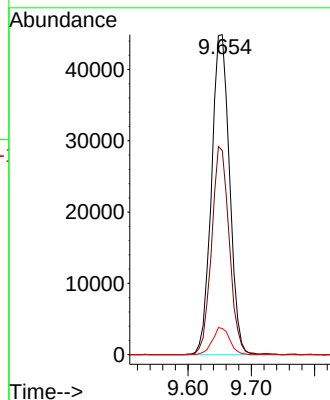
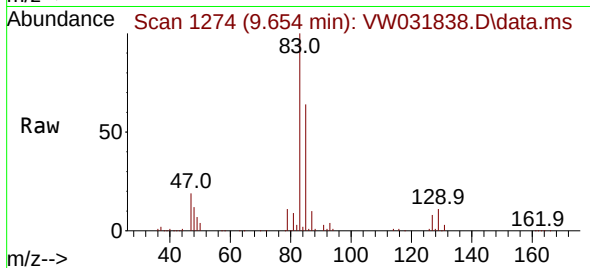
Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:	83	Resp:	89010
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.8	76.2
127	8.2	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

#48

Methyl methacrylate

Concen: 18.809 ug/l

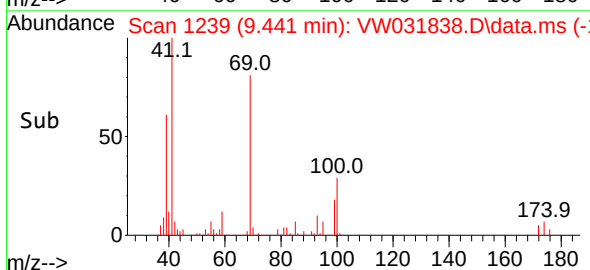
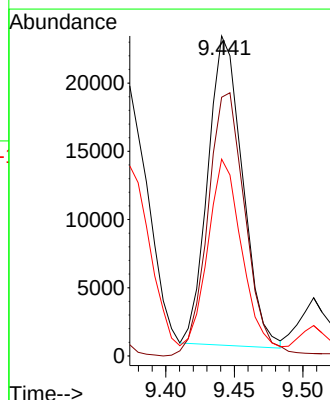
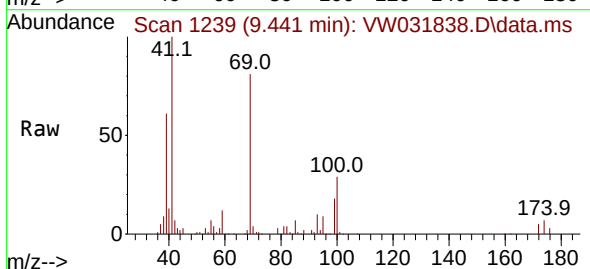
RT: 9.441 min Scan# 1239

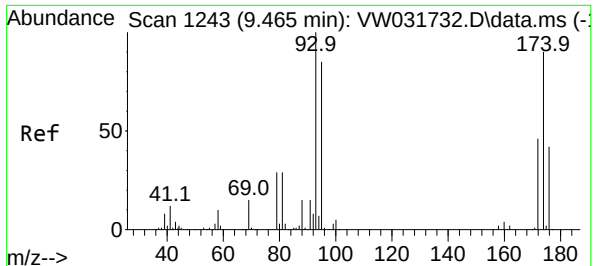
Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Tgt Ion:	41	Resp:	39807
Ion	Ratio	Lower	Upper
41	100		
69	93.1	71.6	107.4
39	63.9	49.5	74.3





#49

1,4-Dioxane

Concen: 333.258 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 88 Resp: 713

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

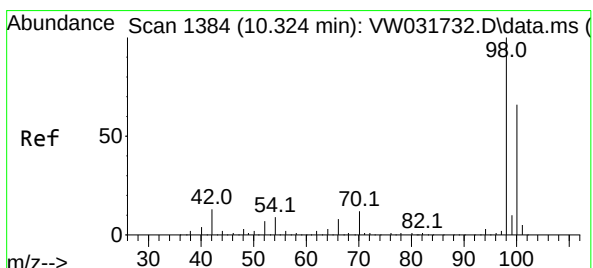
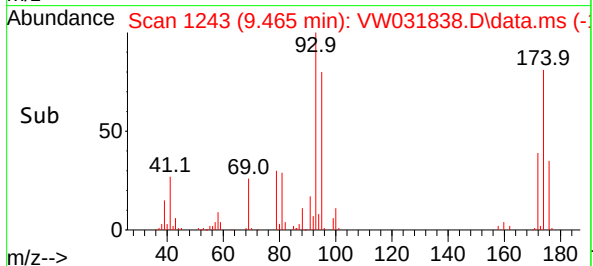
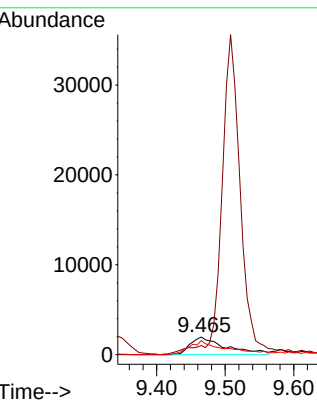
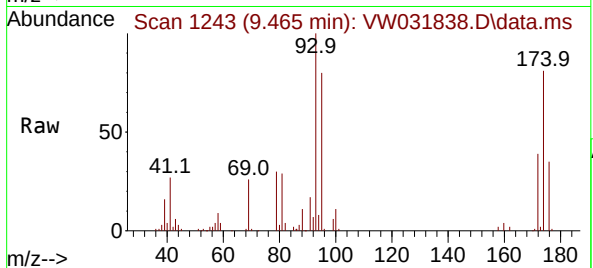
58 80.4 58.3 87.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#50

Toluene-d8

Concen: 51.443 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031838.D

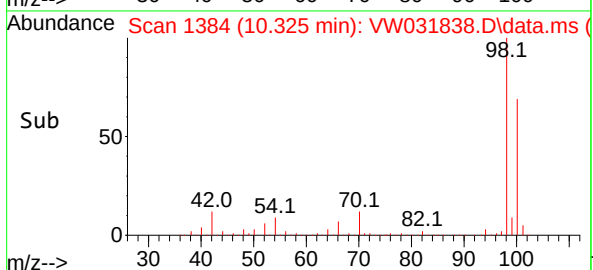
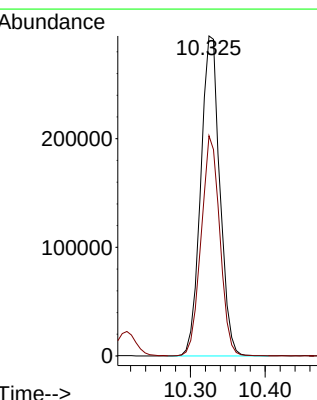
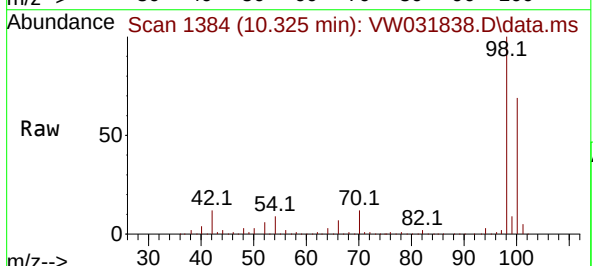
Acq: 14 Jul 2025 10:14

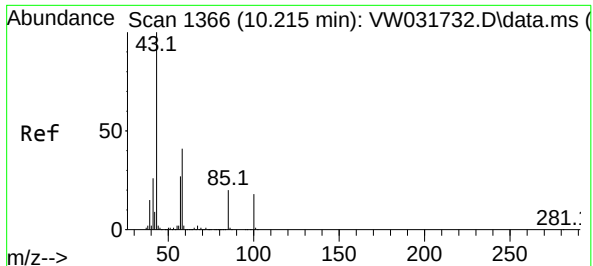
Tgt Ion: 98 Resp: 523647

Ion Ratio Lower Upper

98 100

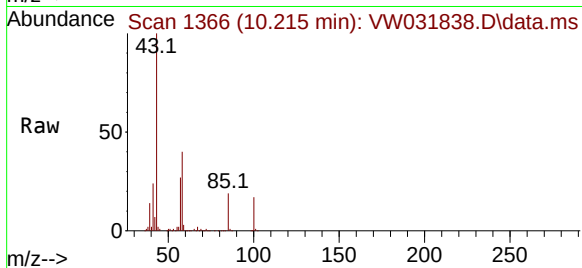
100 67.1 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 94.673 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

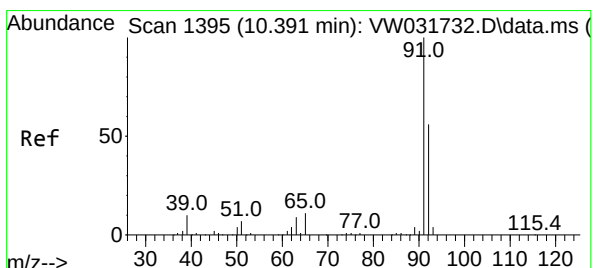
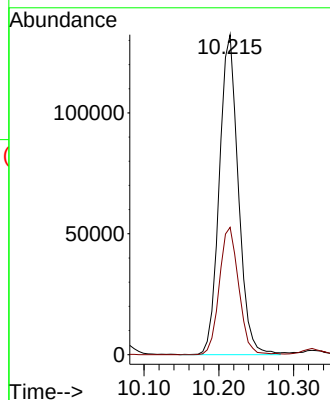
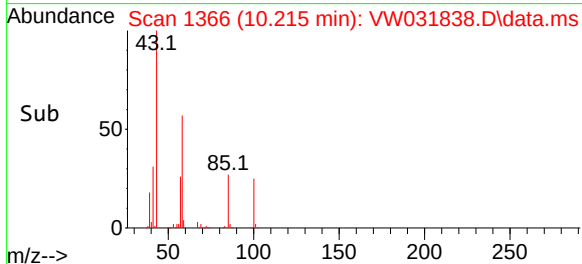
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



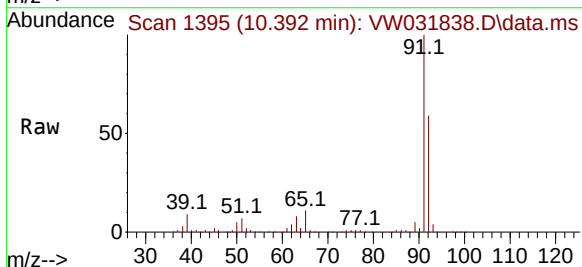
Tgt Ion: 43 Resp: 234264
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.2

Manual Integrations
APPROVED

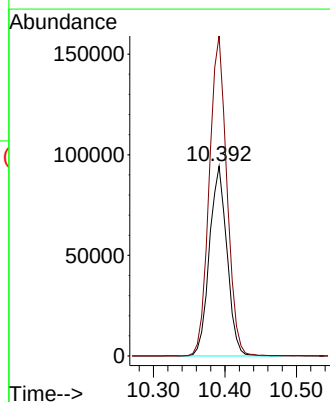
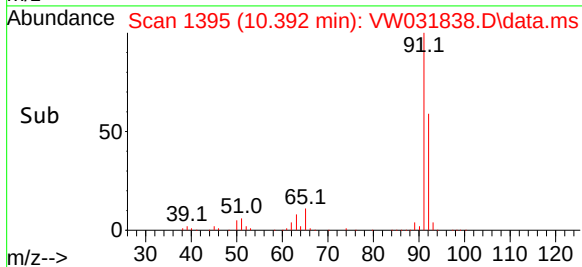
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

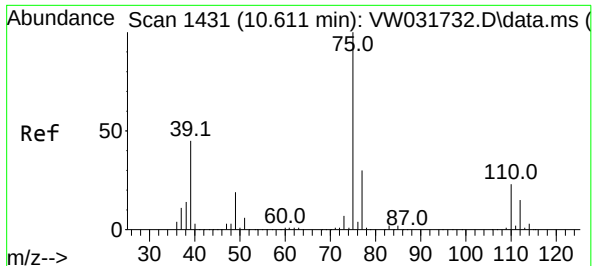


#52
Toluene
Concen: 21.433 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



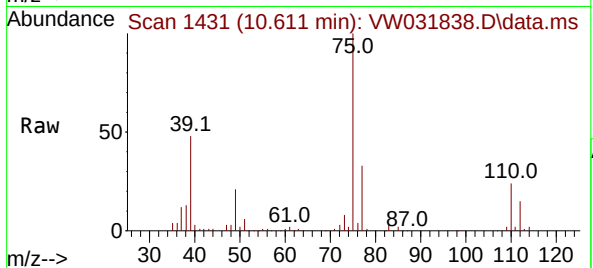
Tgt Ion: 92 Resp: 160699
Ion Ratio Lower Upper
92 100
91 169.4 139.5 209.3





#53
t-1,3-Dichloropropene
Concen: 20.423 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

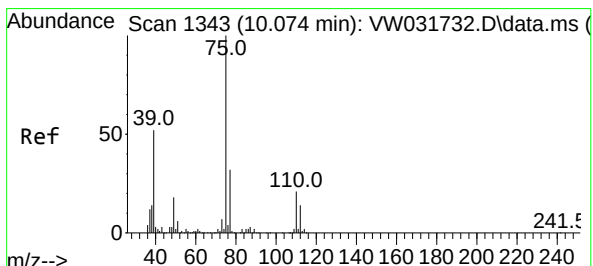
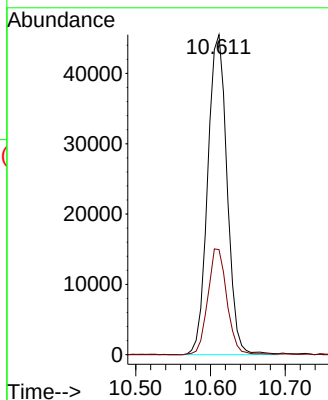
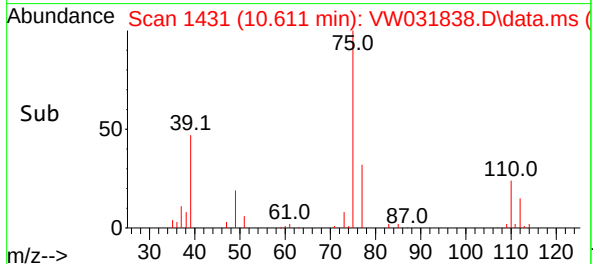
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



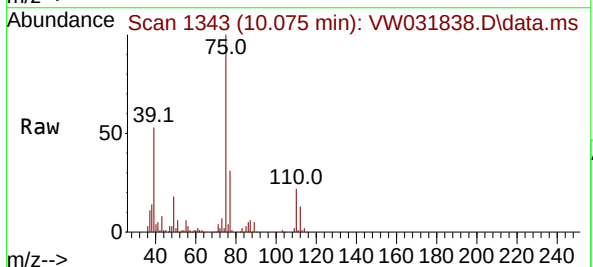
Tgt Ion: 75 Resp: 8210
Ion Ratio Lower Upper
75 100
77 32.9 24.3 36.5

Manual Integrations
APPROVED

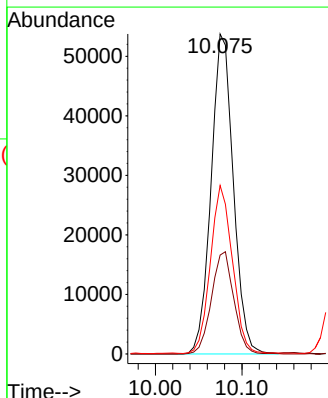
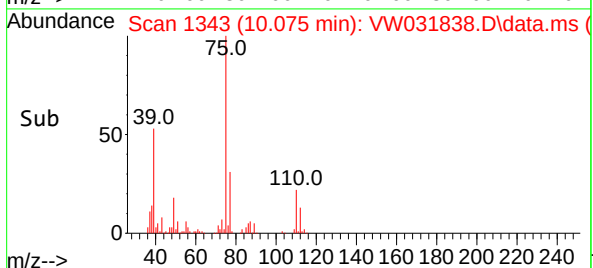
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

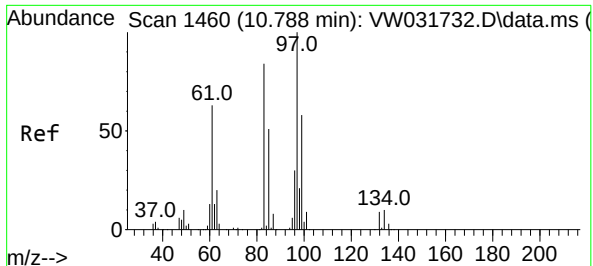


#54
cis-1,3-Dichloropropene
Concen: 21.030 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion: 75 Resp: 95843
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2
39 52.4 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 20.753 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 97 Resp: 4967

Ion Ratio Lower Upper

97 100

83 87.7 66.9 100.3

85 52.5 41.1 61.7

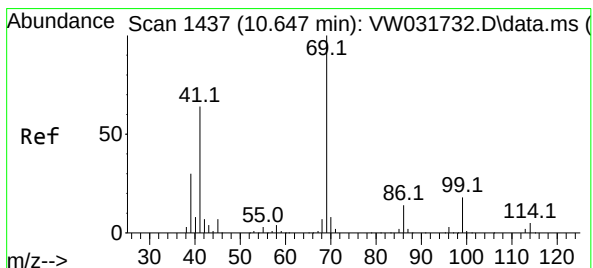
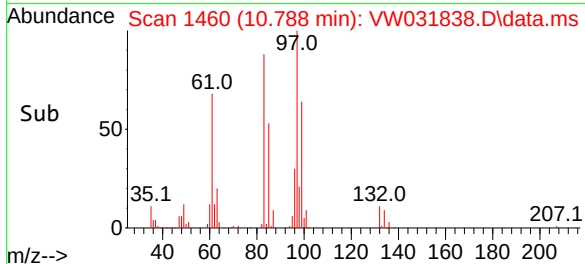
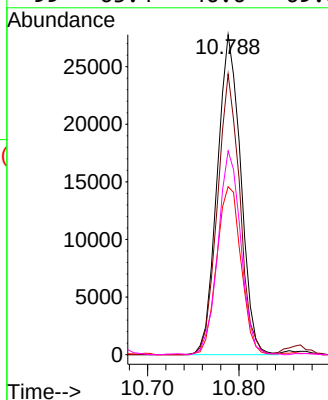
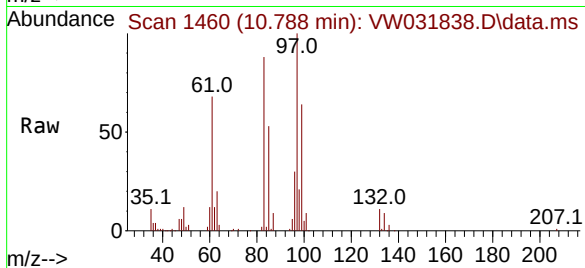
99 63.4 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#56

Ethyl methacrylate

Concen: 20.932 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

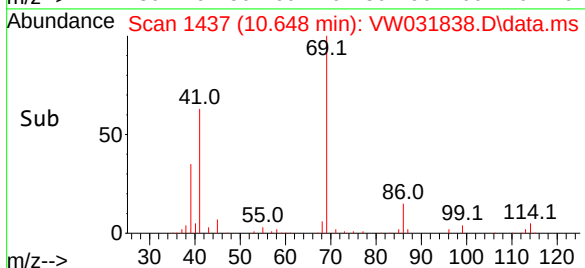
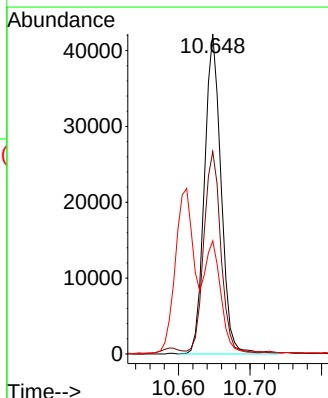
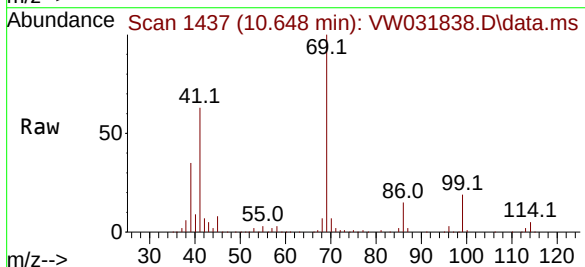
Tgt Ion: 69 Resp: 67972

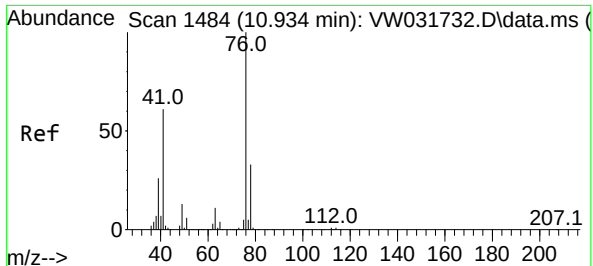
Ion Ratio Lower Upper

69 100

41 64.3 53.3 79.9

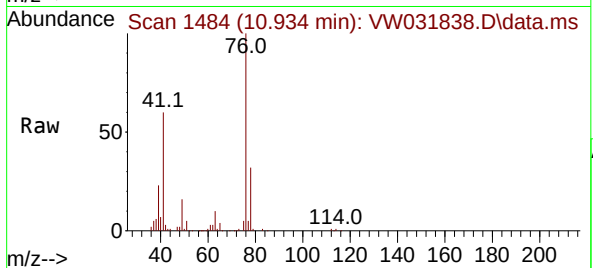
39 33.6 30.2 45.2





#57
1,3-Dichloropropane
Concen: 20.890 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

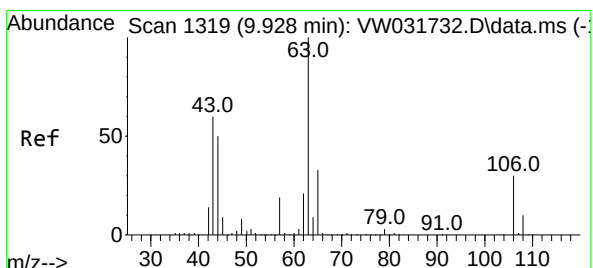
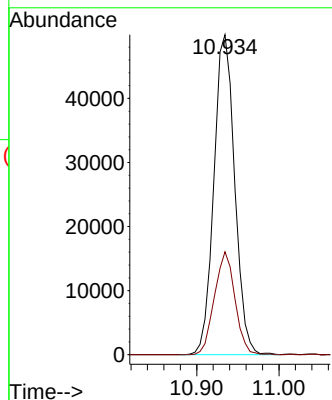
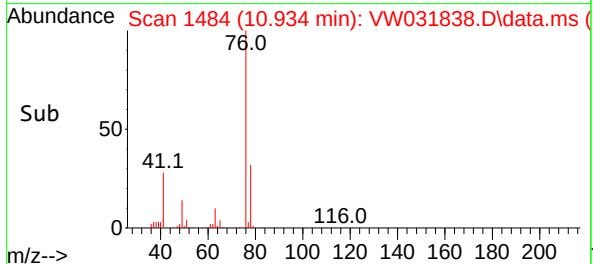
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



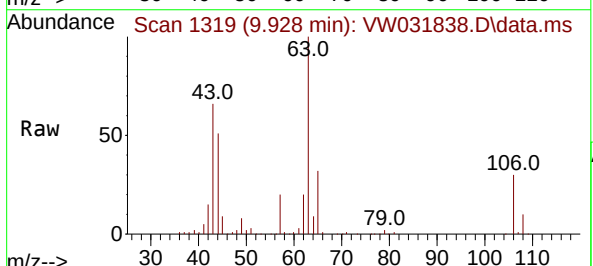
Tgt Ion: 76 Resp: 8778
Ion Ratio Lower Upper
76 100
78 31.7 26.2 39.4

Manual Integrations
APPROVED

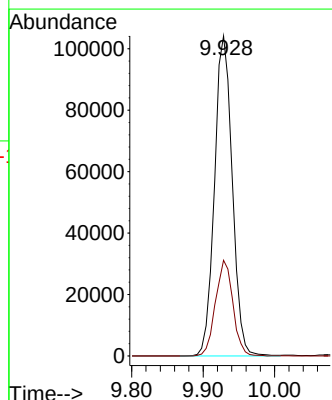
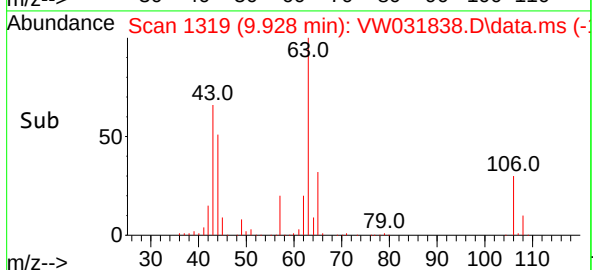
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

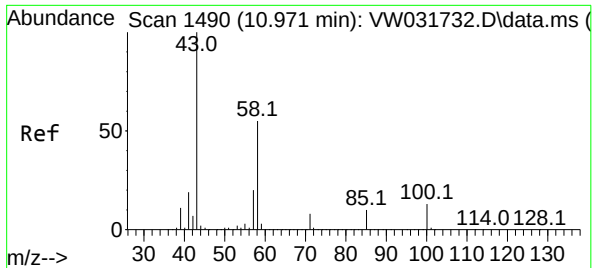


#58
2-Chloroethyl Vinyl ether
Concen: 100.524 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion: 63 Resp: 179746
Ion Ratio Lower Upper
63 100
106 29.3 24.1 36.1





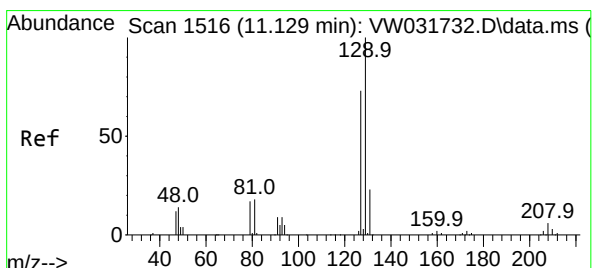
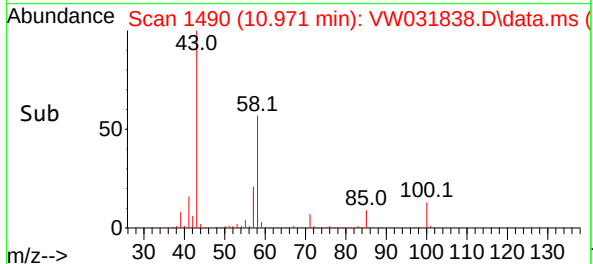
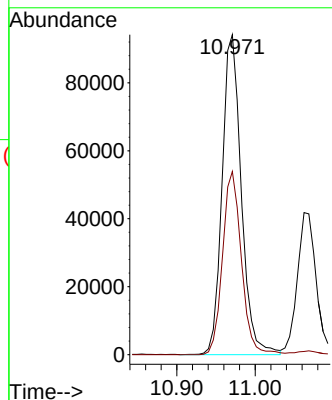
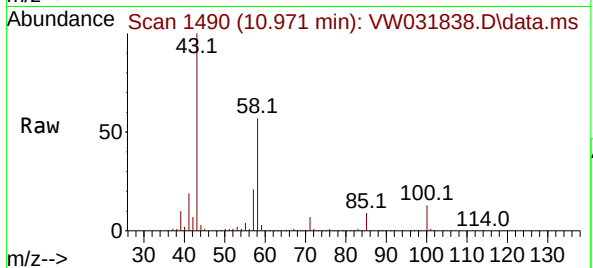
#59
2-Hexanone
Concen: 95.692 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 43 Resp: 160450
Ion Ratio Lower Upper
43 100
58 56.2 27.9 83.6

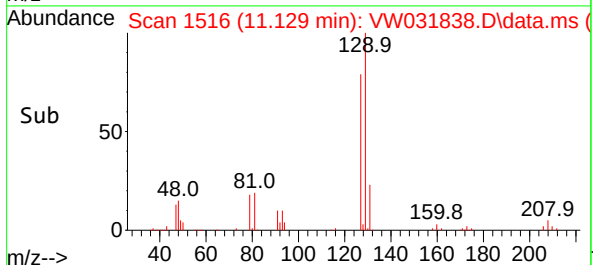
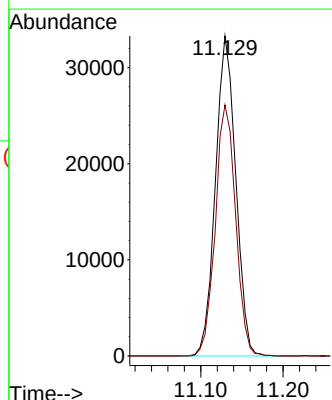
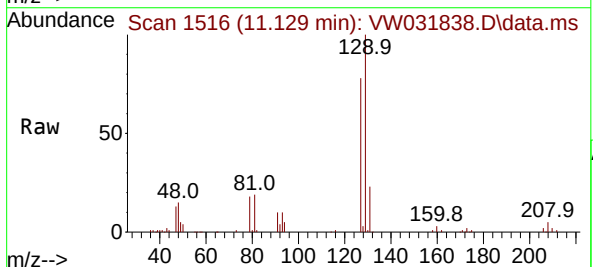
Manual Integrations
APPROVED

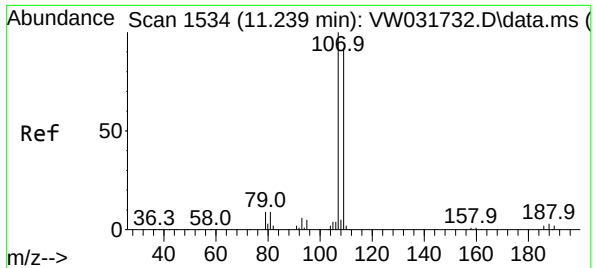
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#60
Dibromochloromethane
Concen: 19.980 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

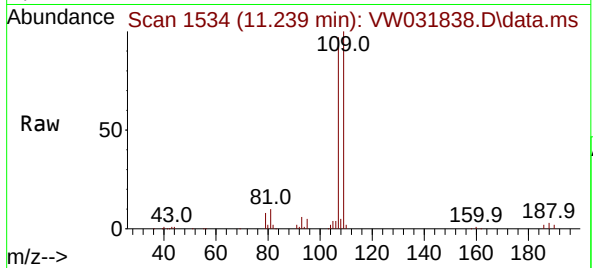
Tgt Ion:129 Resp: 57188
Ion Ratio Lower Upper
129 100
127 78.5 38.0 114.1





#61
1,2-Dibromoethane
Concen: 19.544 ug/l
RT: 11.239 min Scan# 1534
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

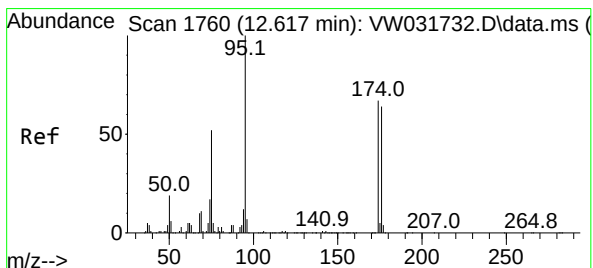
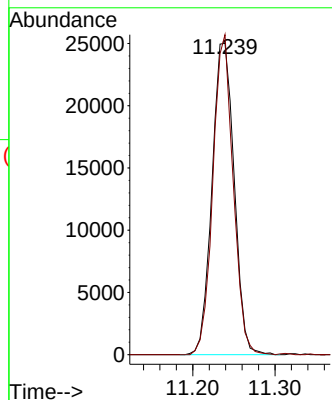
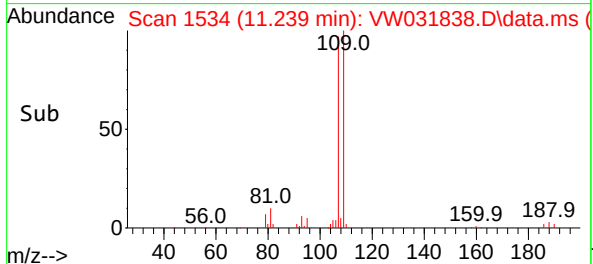
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:107 Resp: 46829
Ion Ratio Lower Upper
107 100
109 93.9 73.9 110.9

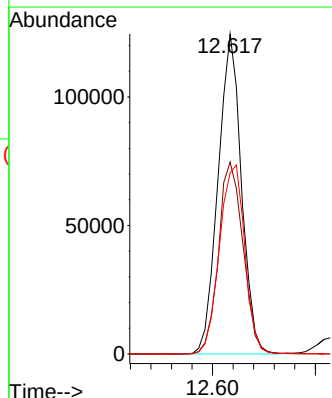
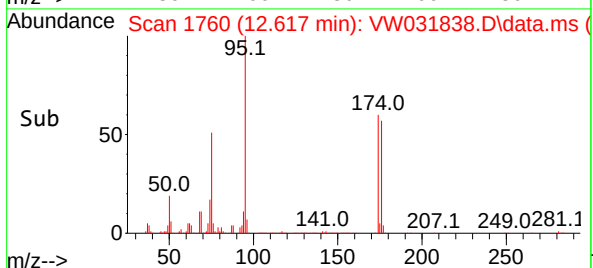
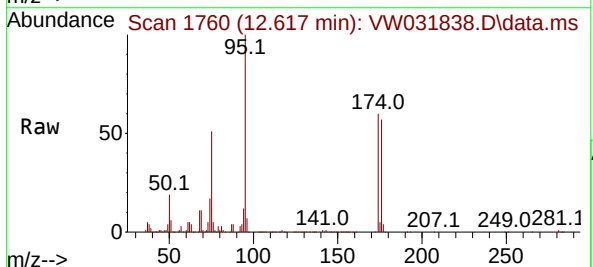
Manual Integrations
APPROVED

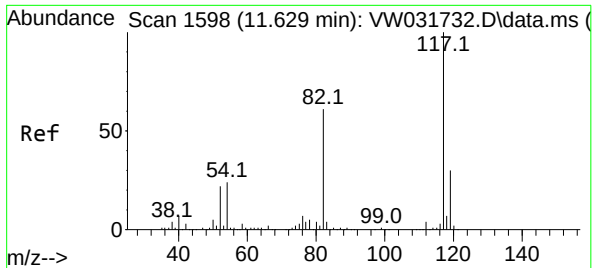
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#62
4-Bromofluorobenzene
Concen: 52.298 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 95 Resp: 195906
Ion Ratio Lower Upper
95 100
174 63.3 0.0 133.8
176 63.9 0.0 126.0





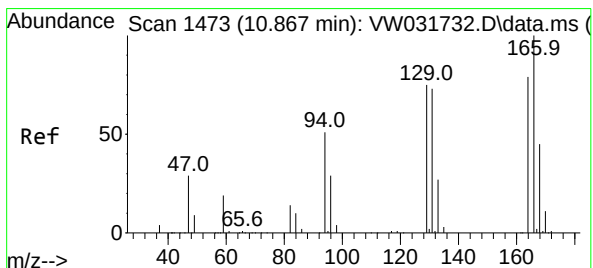
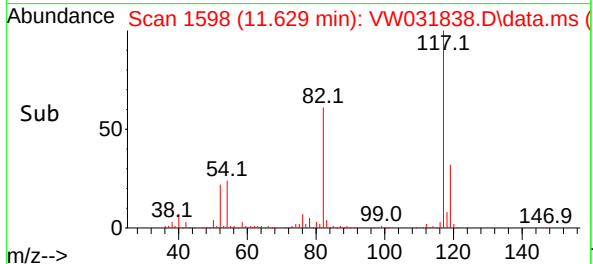
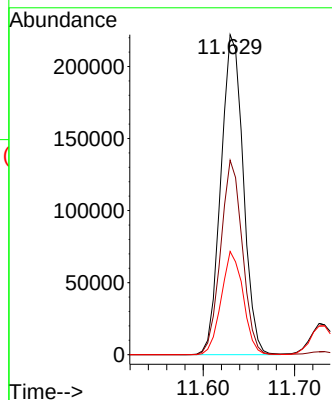
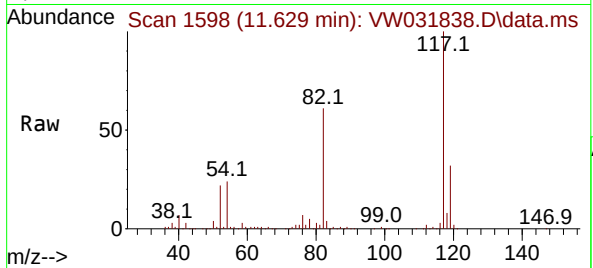
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:117 Resp: 37805
Ion Ratio Lower Upper
117 100
82 60.7 48.6 72.8
119 32.2 23.9 35.9

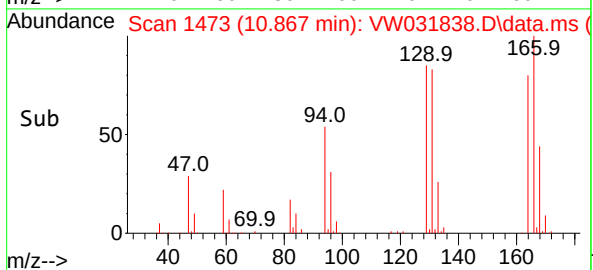
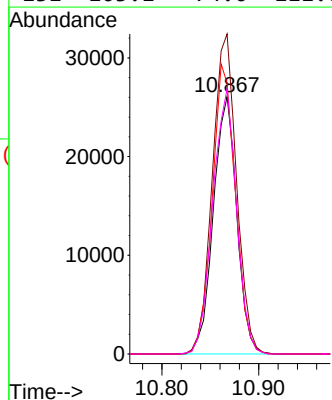
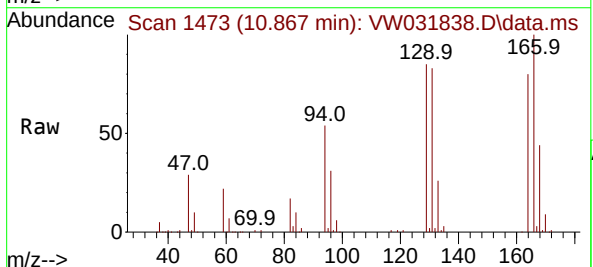
Manual Integrations
APPROVED

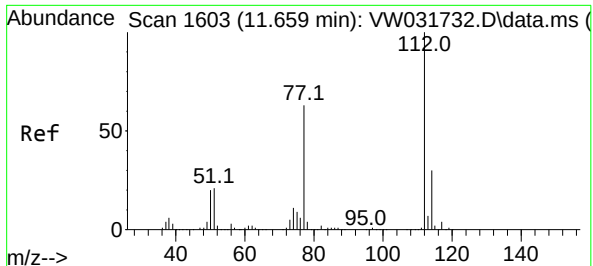
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#64
Tetrachloroethene
Concen: 17.684 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion:164 Resp: 43730
Ion Ratio Lower Upper
164 100
166 124.4 100.7 151.1
129 105.3 75.4 113.0
131 103.1 74.0 111.0





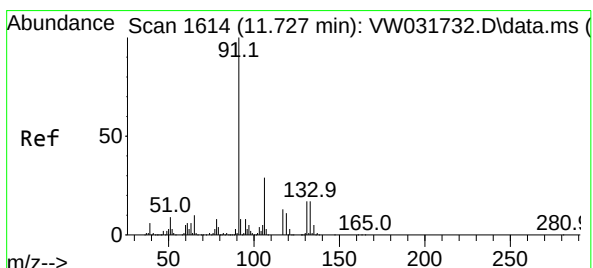
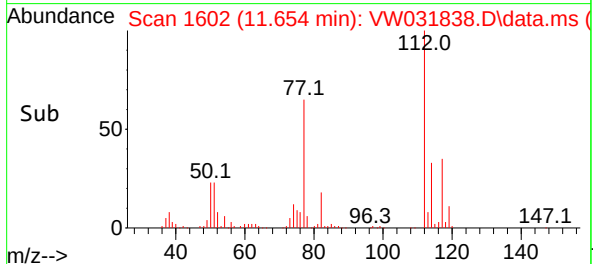
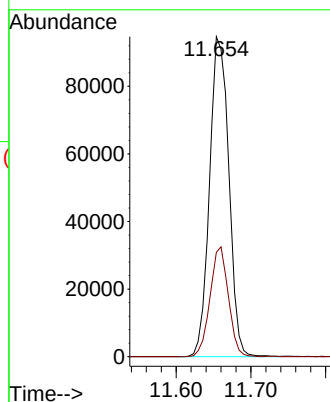
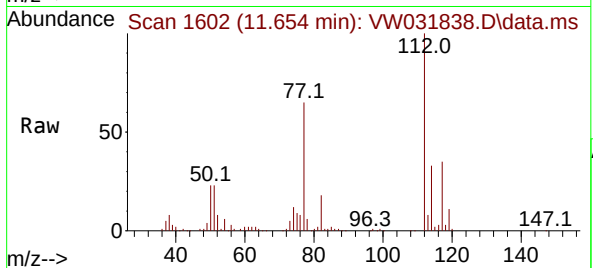
#65
Chlorobenzene
Concen: 20.347 ug/l
RT: 11.654 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:112 Resp: 16971
Ion Ratio Lower Upper
112 100
114 32.6 23.8 35.8

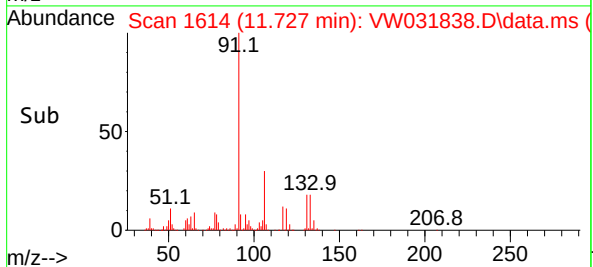
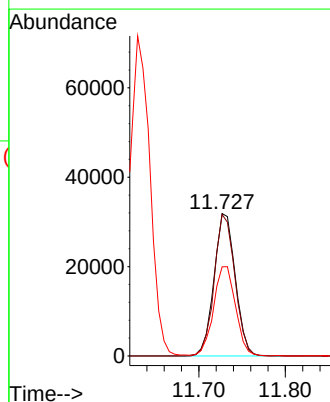
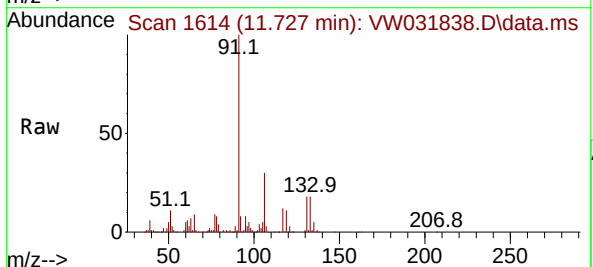
Manual Integrations
APPROVED

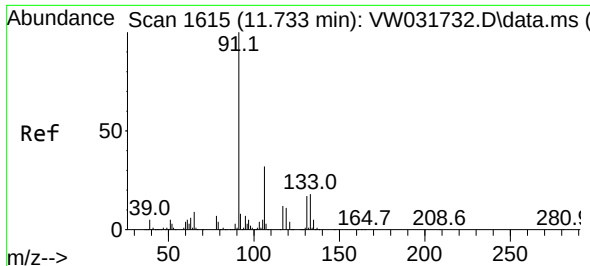
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.499 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

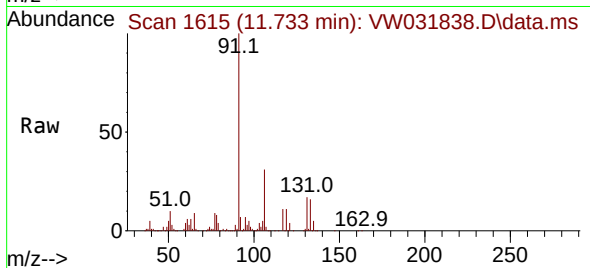
Tgt Ion:131 Resp: 54487
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.6
119 64.8 32.5 97.5





#67
Ethyl Benzene
Concen: 20.747 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

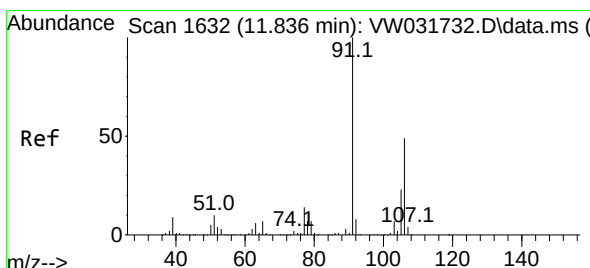
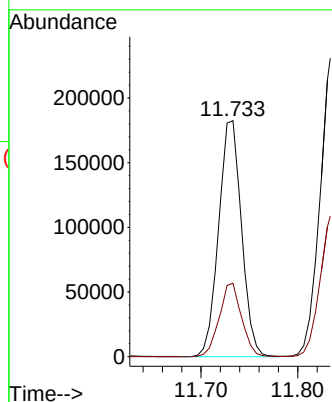
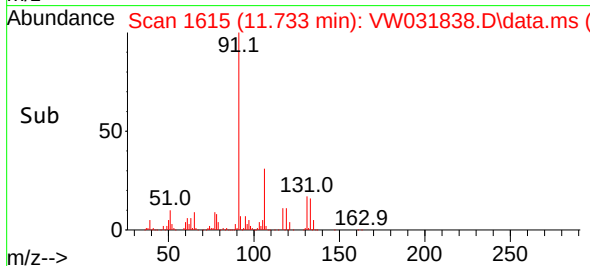
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



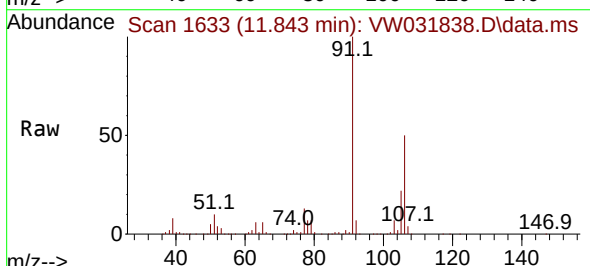
Tgt Ion: 91 Resp: 300085
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

Manual Integrations
APPROVED

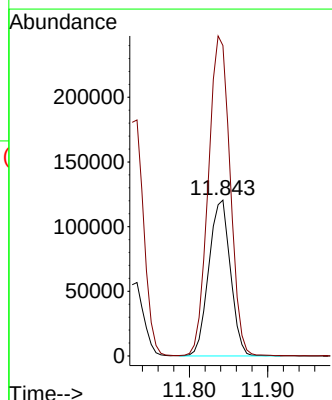
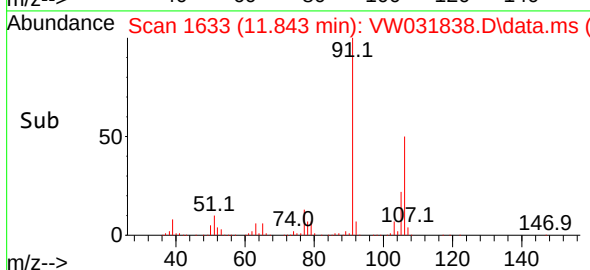
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

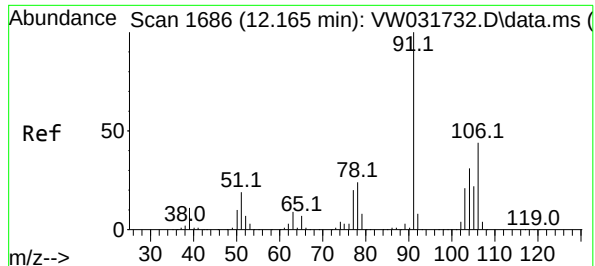


#68
m/p-Xylenes
Concen: 41.556 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion:106 Resp: 231057
Ion Ratio Lower Upper
106 100
91 207.5 166.4 249.6





#69

o-Xylene

Concen: 21.238 ug/l

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:106 Resp: 10933

Ion Ratio Lower Upper

106 100

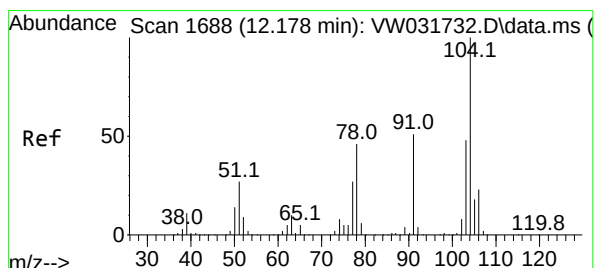
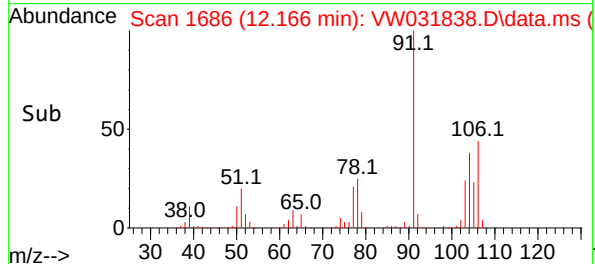
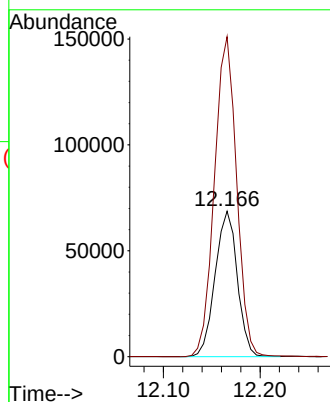
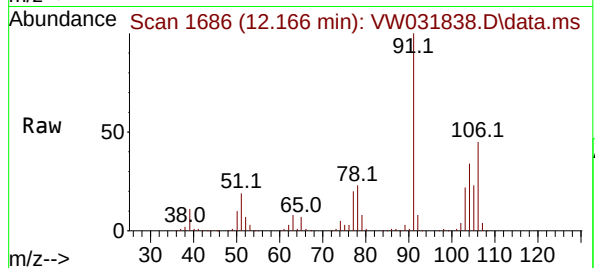
91 220.6 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#70

Styrene

Concen: 21.513 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

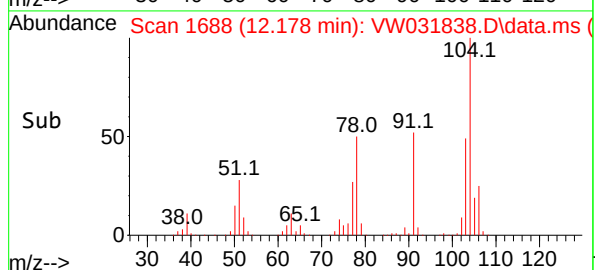
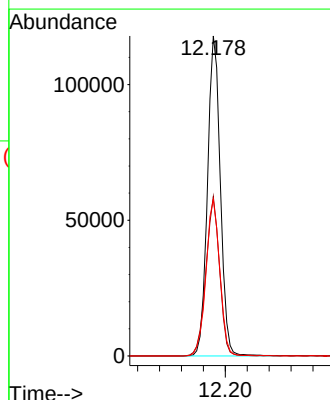
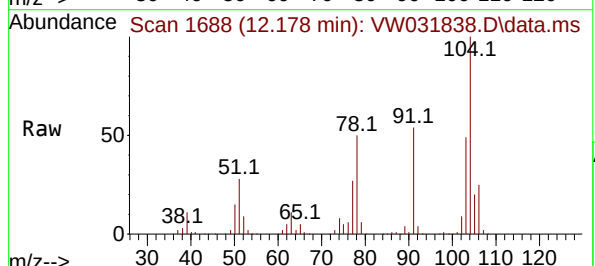
Tgt Ion:104 Resp: 191458

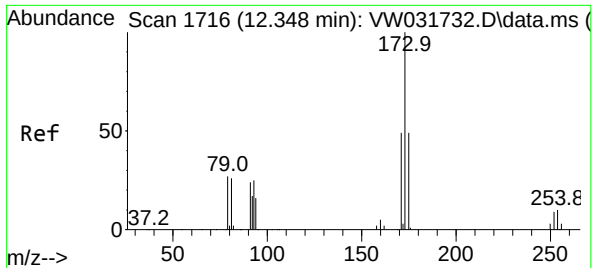
Ion Ratio Lower Upper

104 100

78 52.6 42.1 63.1

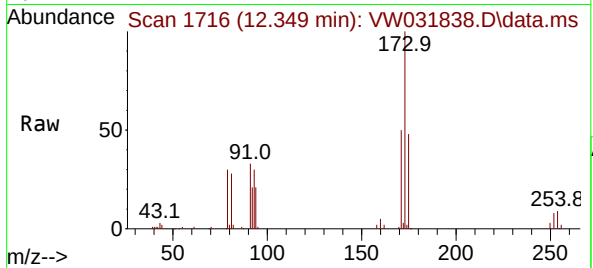
103 52.6 43.0 64.6





#71
Bromoform
Concen: 18.302 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

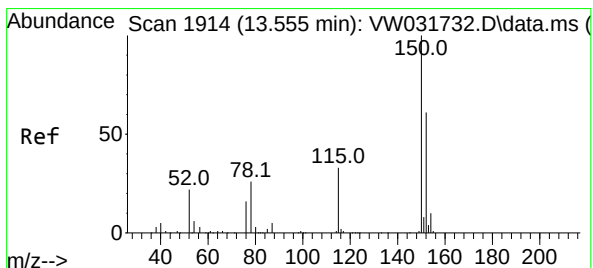
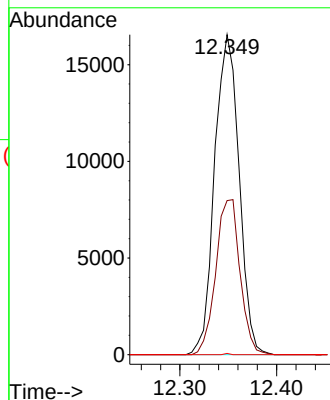
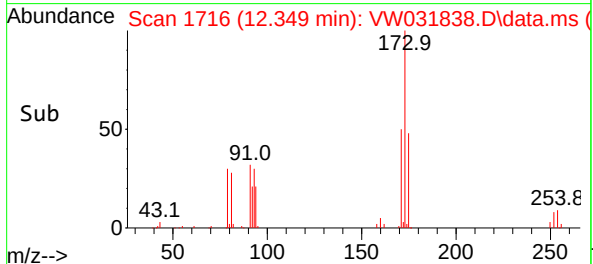
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



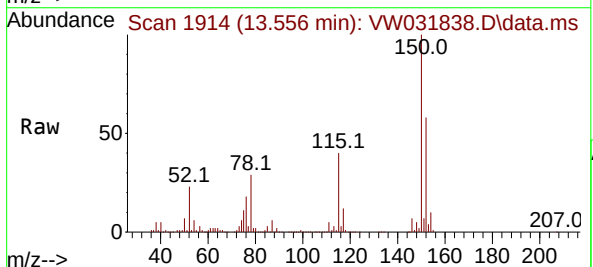
Tgt Ion:173 Resp: 2902
Ion Ratio Lower Upper
173 100
175 48.2 24.0 72.0
254 0.1 0.1 0.1

Manual Integrations
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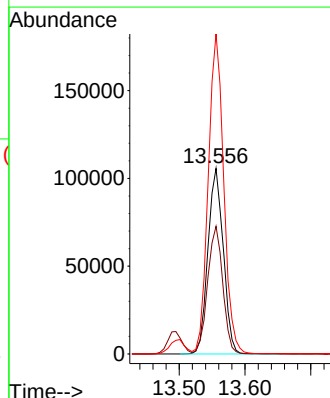
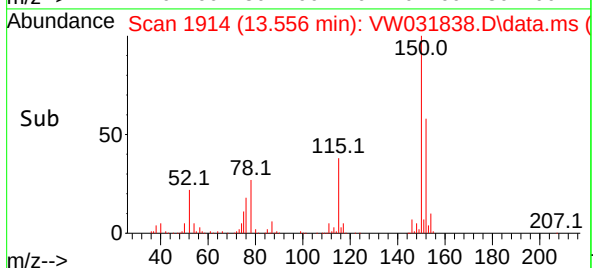
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

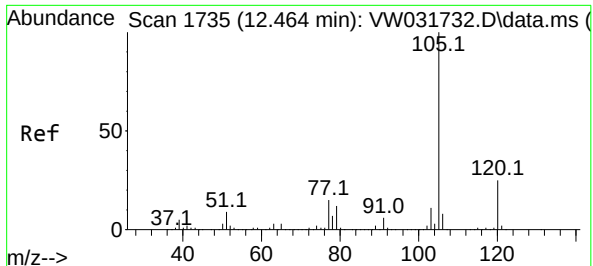


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion:152 Resp: 171979
Ion Ratio Lower Upper
152 100
115 67.4 31.9 95.7
150 173.5 0.0 356.4





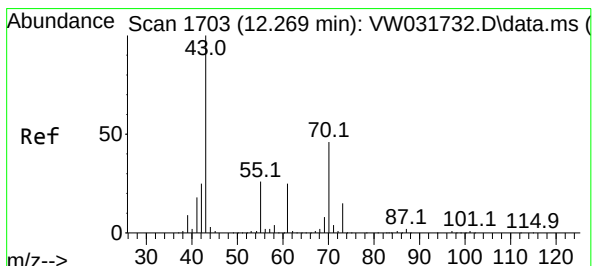
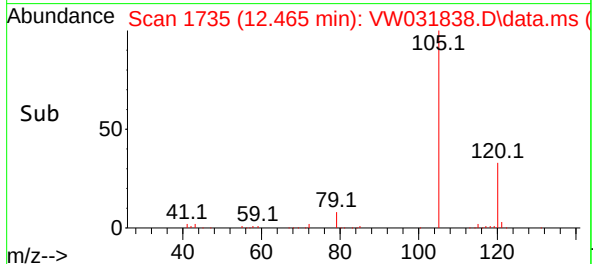
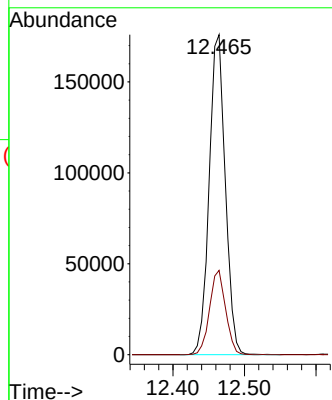
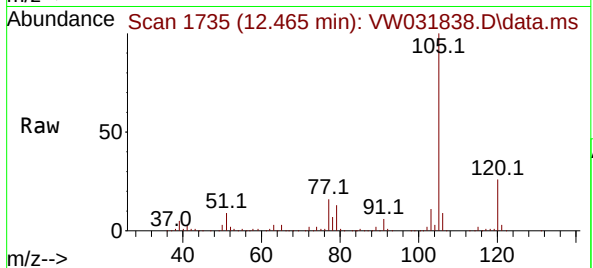
#73
Isopropylbenzene
Concen: 21.030 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:105 Resp: 27511
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4

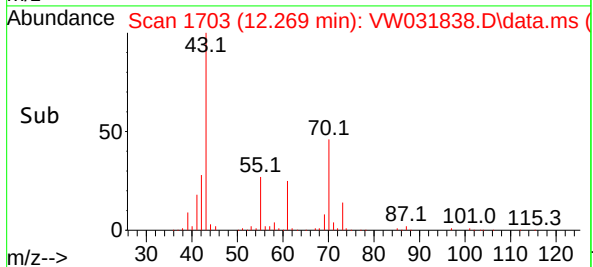
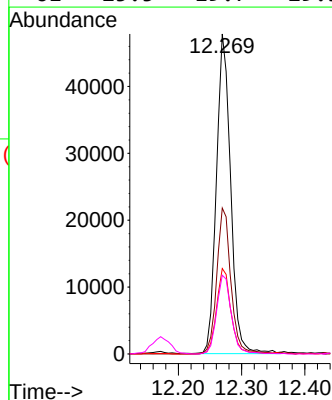
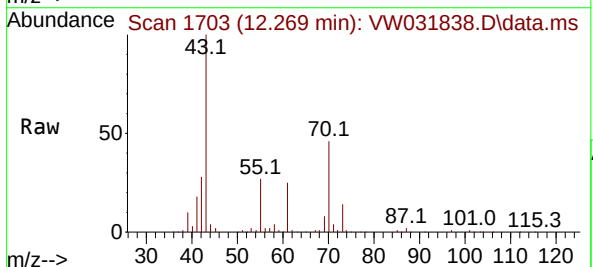
Manual Integrations
APPROVED

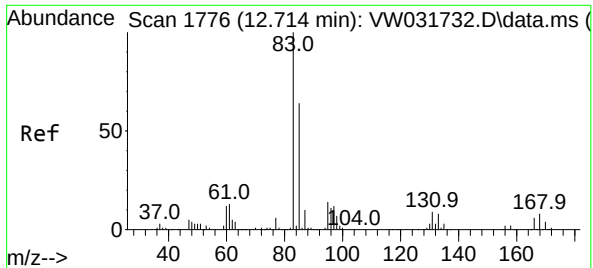
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#74
N-ethyl acetate
Concen: 21.136 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 43 Resp: 74524
Ion Ratio Lower Upper
43 100
70 45.5 36.0 54.0
55 27.1 20.8 31.2
61 25.5 19.7 29.5





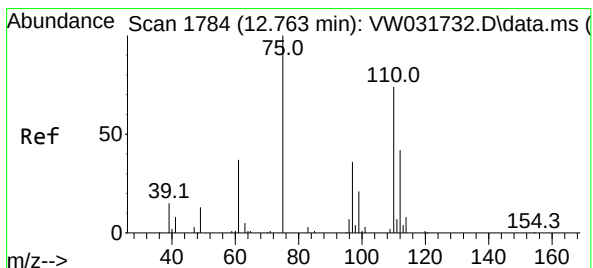
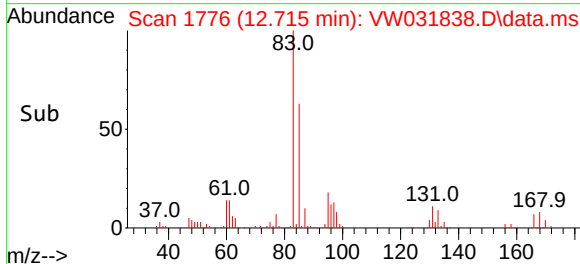
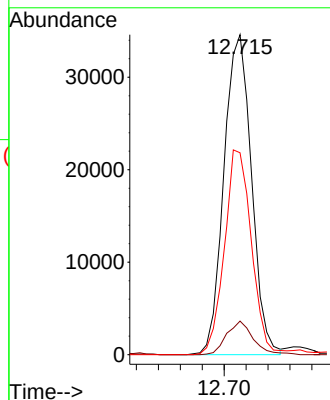
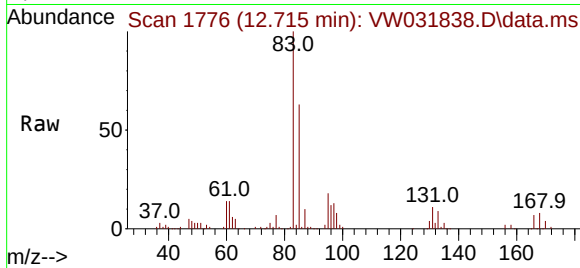
#75
1,1,2,2-Tetrachloroethane
Concen: 20.771 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 83 Resp: 6032
Ion Ratio Lower Upper
83 100
131 10.1 5.3 16.1
85 62.7 32.0 96.2

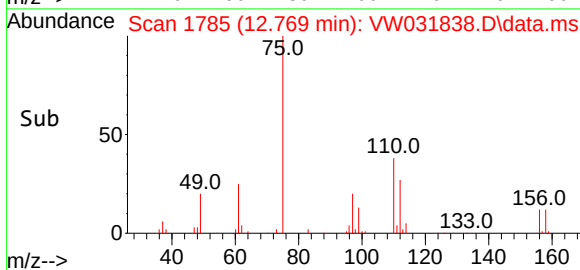
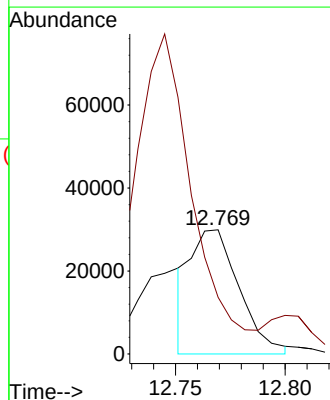
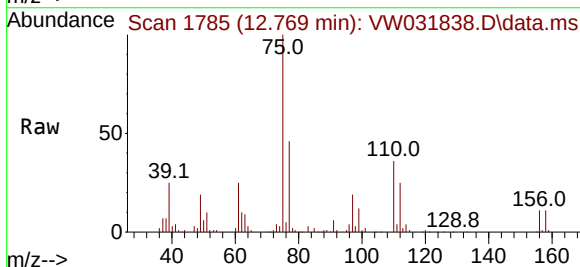
Manual Integrations
APPROVED

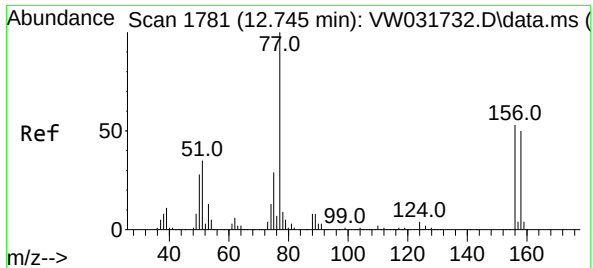
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#76
1,2,3-Trichloropropane
Concen: 20.729 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 75 Resp: 46070
Ion Ratio Lower Upper
75 100
77 0.0 141.2 423.6#





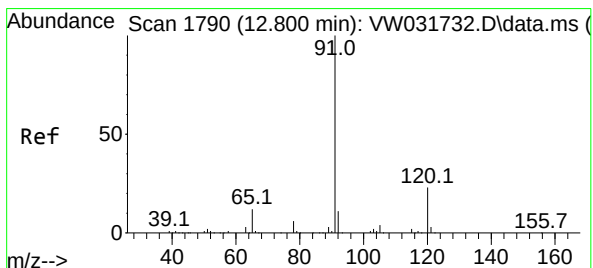
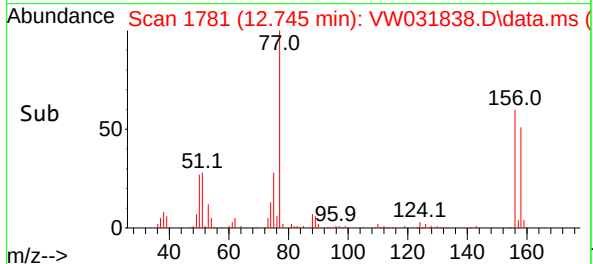
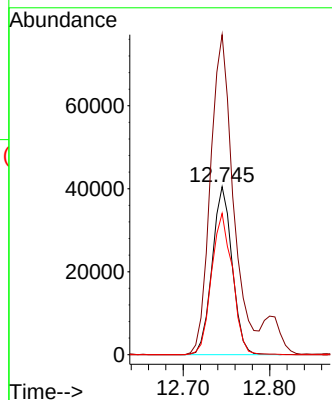
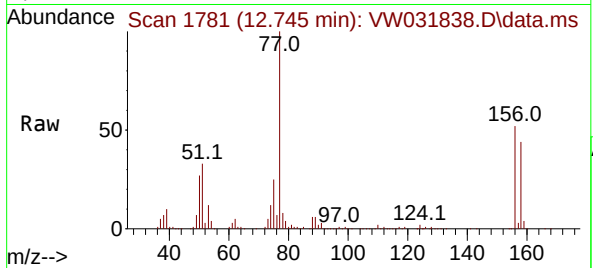
#77
Bromobenzene
Concen: 22.261 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 156 Resp: 6495
Ion Ratio Lower Upper
156 100
77 218.4 117.9 353.7
158 88.1 52.6 157.8

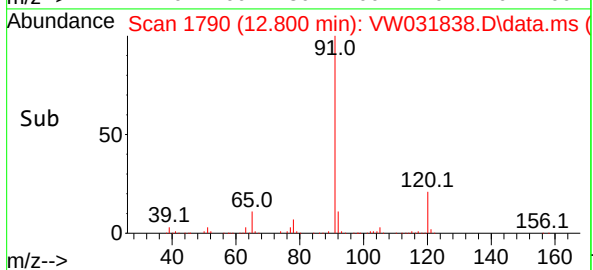
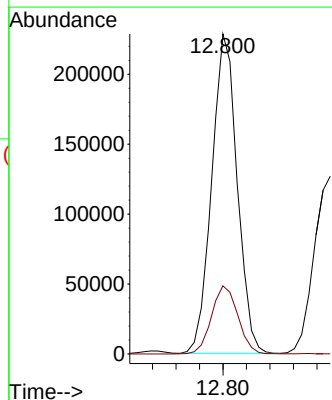
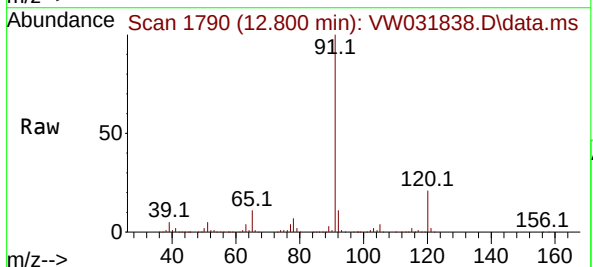
Manual Integrations
APPROVED

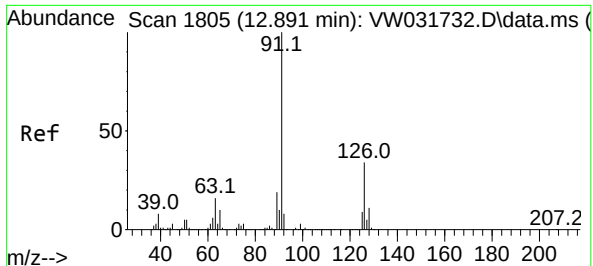
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#78
n-propylbenzene
Concen: 21.932 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion: 91 Resp: 343558
Ion Ratio Lower Upper
91 100
120 22.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 22.099 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 91 Resp: 20846

Ion Ratio Lower Upper

91 100

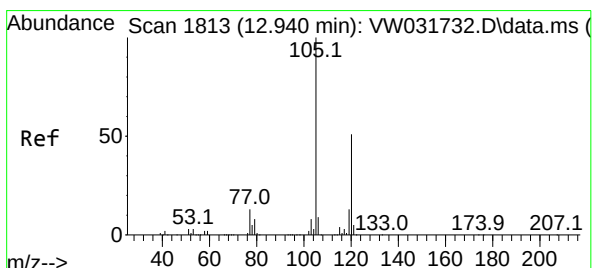
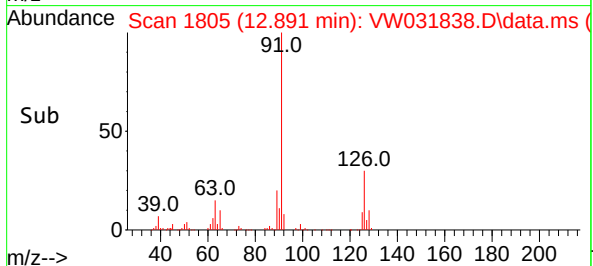
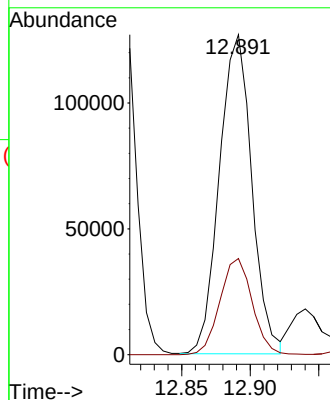
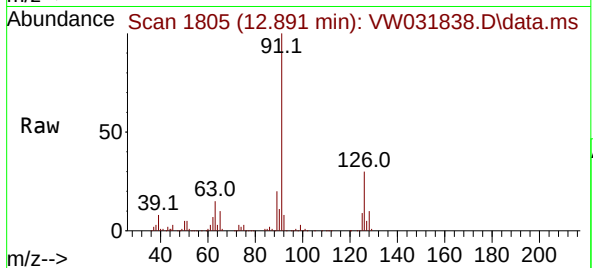
126 30.1 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 22.744 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031838.D

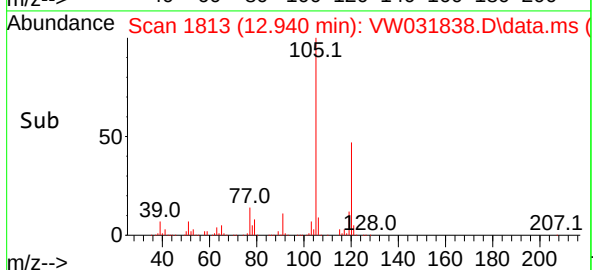
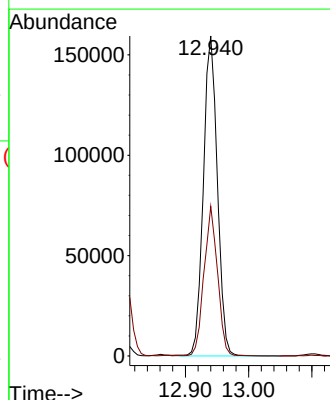
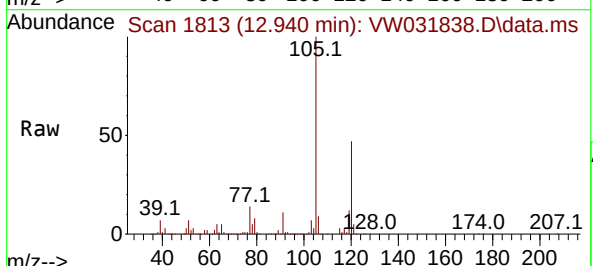
Acq: 14 Jul 2025 10:14

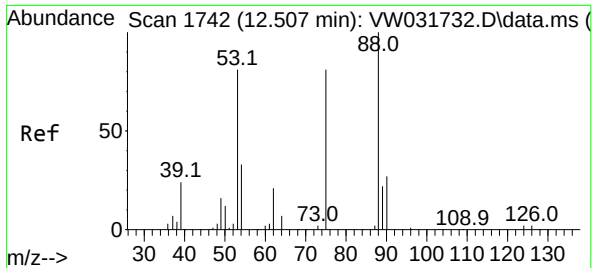
Tgt Ion:105 Resp: 246277

Ion Ratio Lower Upper

105 100

120 45.3 23.8 71.2





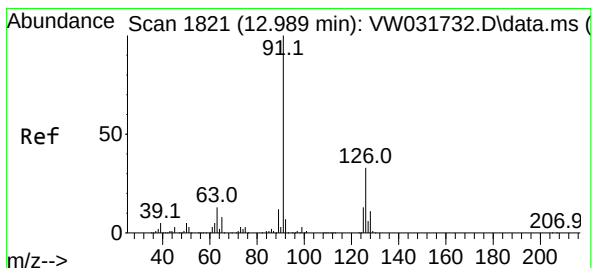
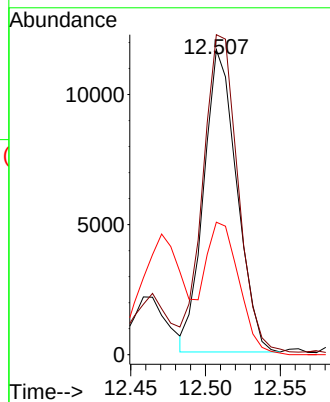
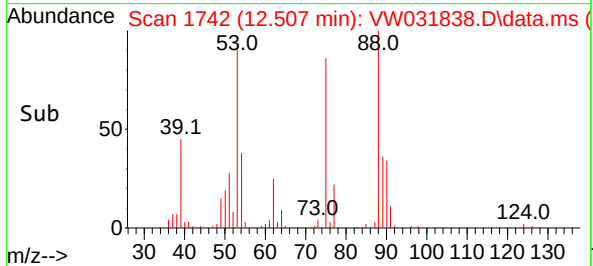
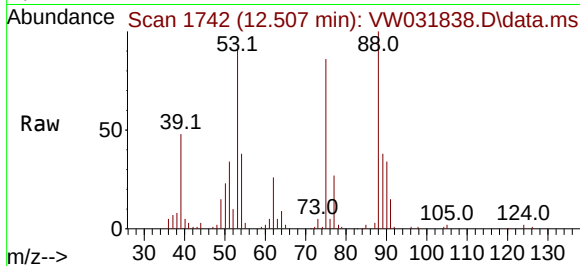
#81
trans-1,4-Dichloro-2-butene
Concen: 18.762 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	111.0	83.5	125.3
89	42.6	38.3	57.5

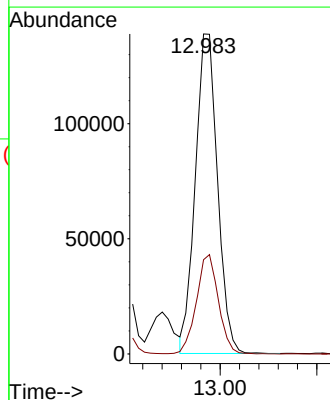
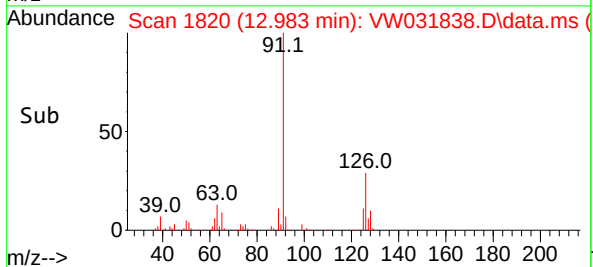
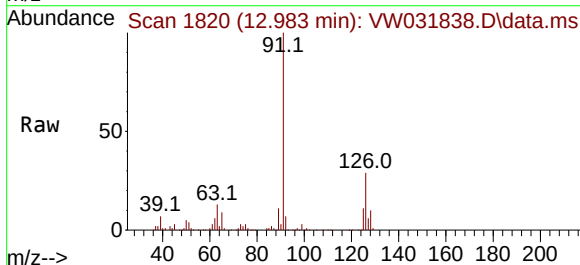
Manual Integrations
APPROVED

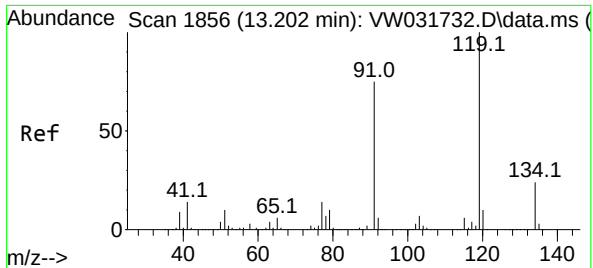
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#82
4-Chlorotoluene
Concen: 22.378 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

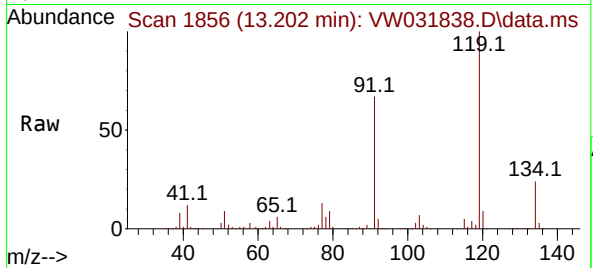
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.0	47.9





#83
tert-Butylbenzene
Concen: 21.364 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

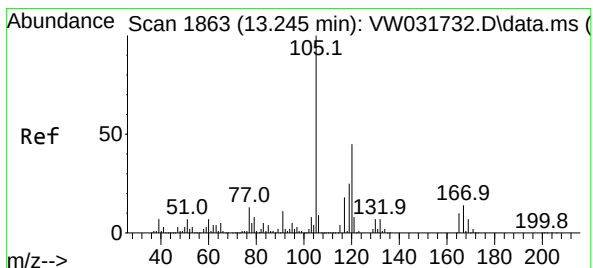
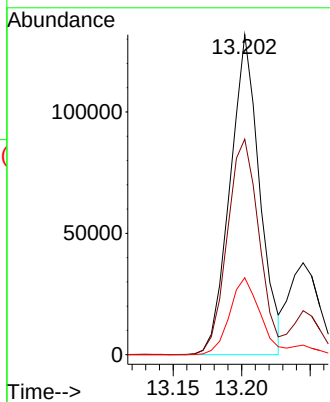
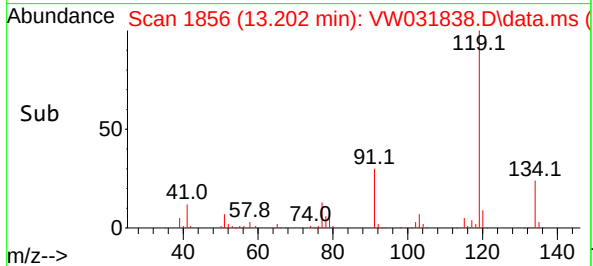
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



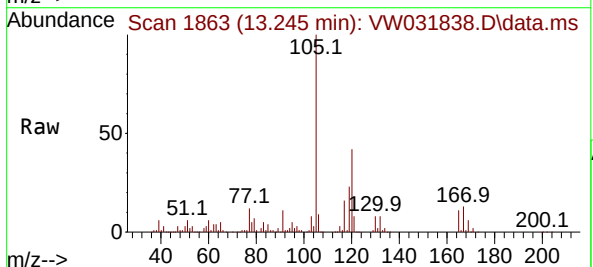
Tgt Ion:119 Resp: 19815
Ion Ratio Lower Upper
119 100
91 72.2 36.0 108.1
134 24.8 12.4 37.2

Manual Integrations
APPROVED

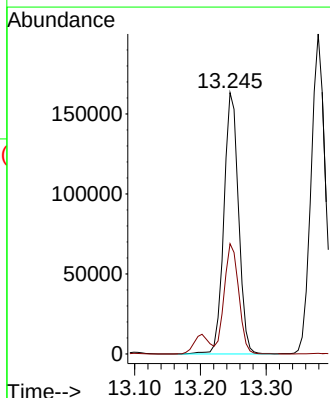
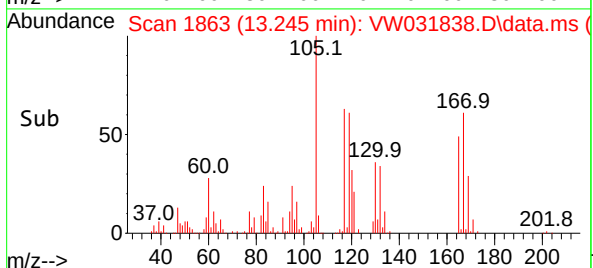
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

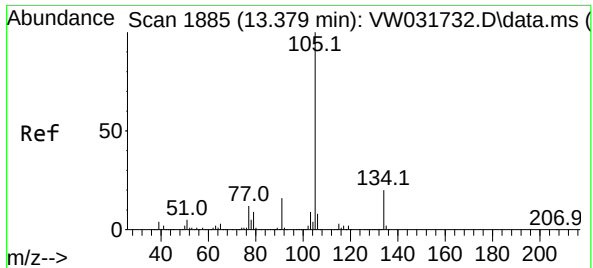


#84
1,2,4-Trimethylbenzene
Concen: 23.069 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



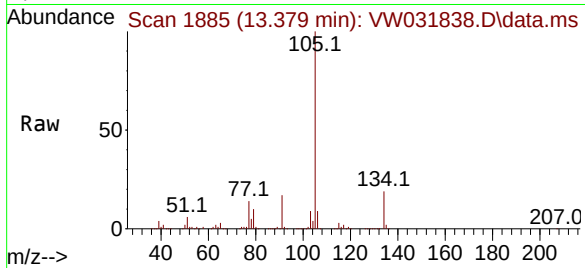
Tgt Ion:105 Resp: 253100
Ion Ratio Lower Upper
105 100
120 41.8 22.1 66.1





#85
sec-Butylbenzene
Concen: 21.583 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

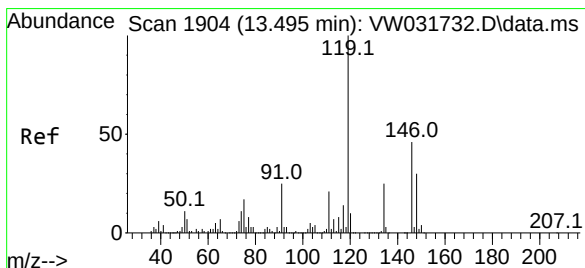
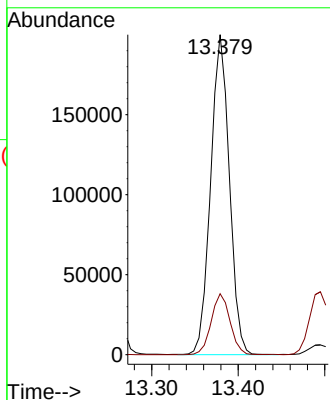
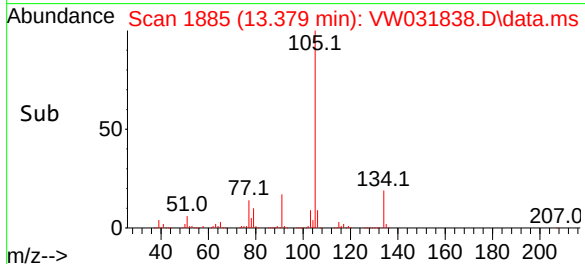
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



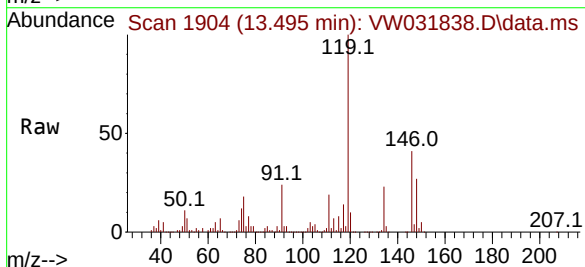
Tgt Ion:105 Resp: 30047
Ion Ratio Lower Upper
105 100
134 19.2 9.6 28.8

Manual Integrations
APPROVED

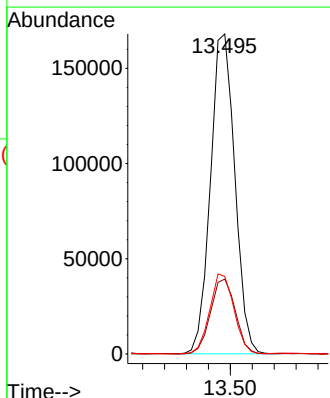
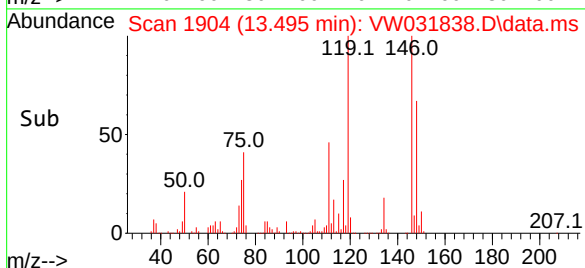
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

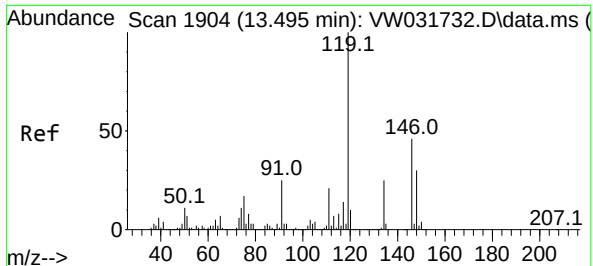


#86
p-Isopropyltoluene
Concen: 22.582 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion:119 Resp: 259099
Ion Ratio Lower Upper
119 100
134 23.9 12.9 38.7
91 24.8 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.454 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

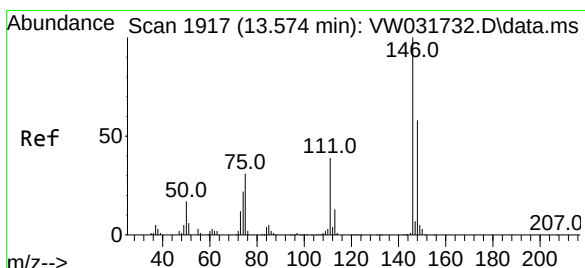
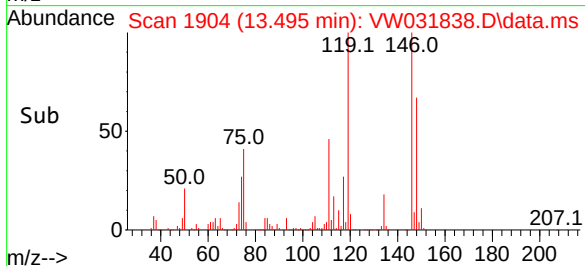
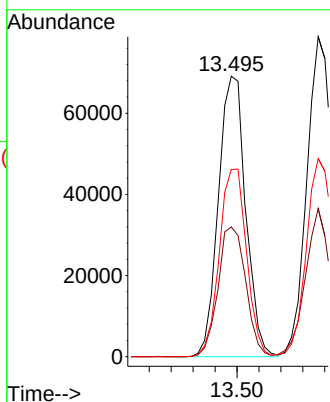
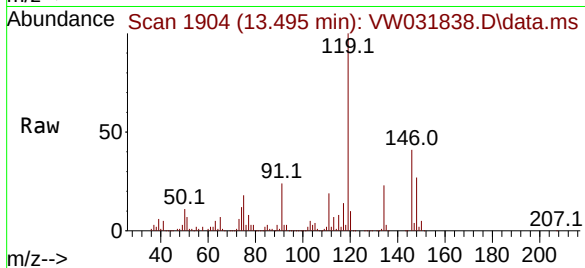
VW0714SBS01

Tgt Ion:	146	Resp:	119680
Ion Ratio	Lower	Upper	
146	100		
111	46.9	22.3	66.9
148	66.7	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#88

1,4-Dichlorobenzene

Concen: 21.578 ug/l

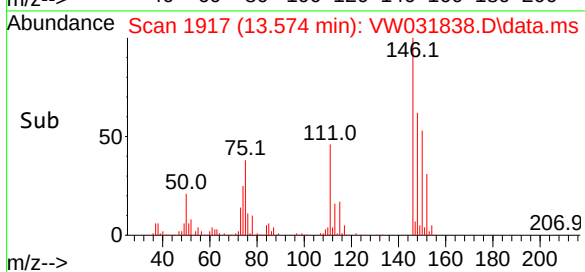
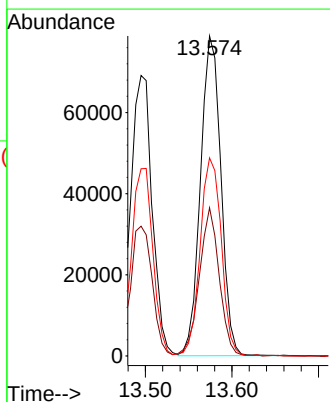
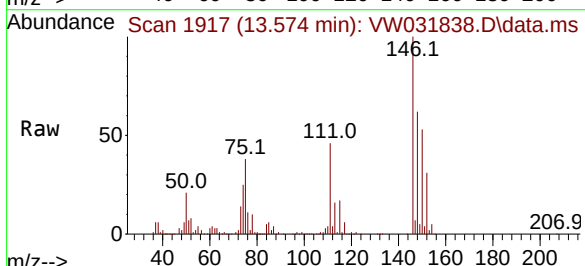
RT: 13.574 min Scan# 1917

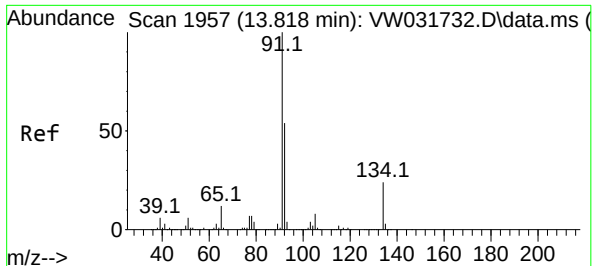
Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Tgt Ion:	146	Resp:	129229
Ion Ratio	Lower	Upper	
146	100		
111	44.9	20.4	61.3
148	64.0	30.2	90.6





#89

n-Butylbenzene

Concen: 21.533 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

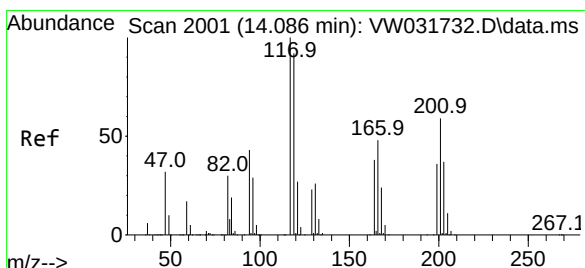
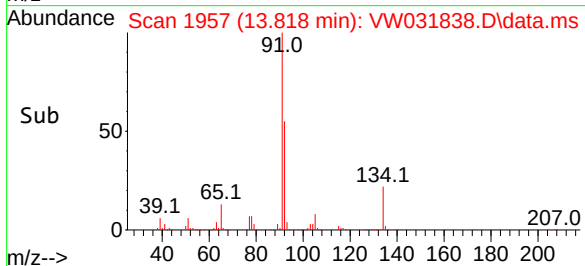
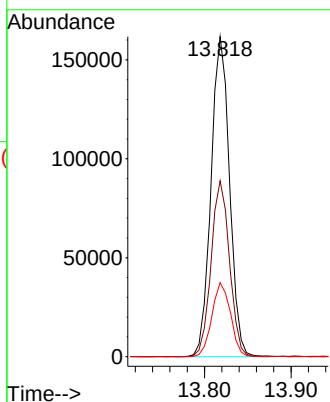
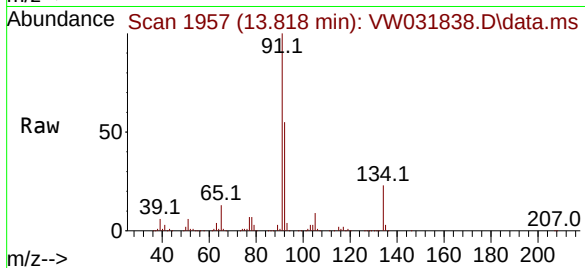
Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:	91	Resp:	24005
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.5
134	23.2	12.2	36.6

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

#90

Hexachloroethane

Concen: 20.615 ug/l

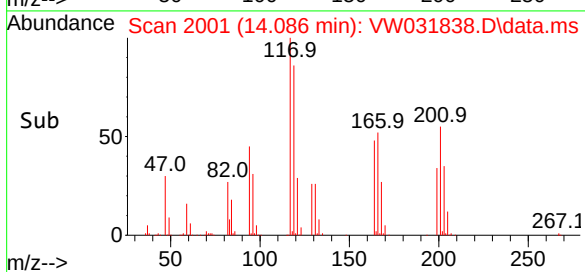
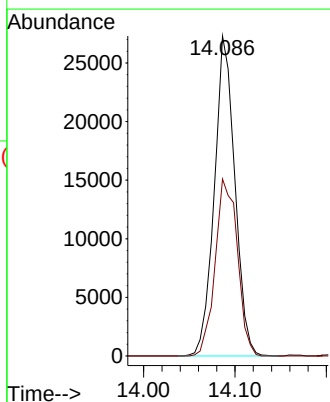
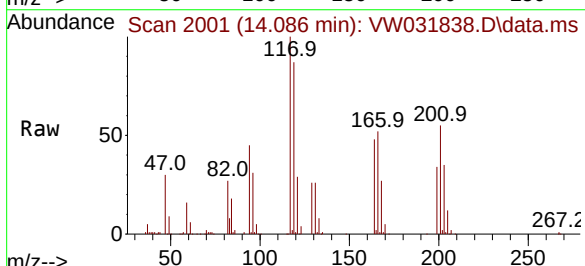
RT: 14.086 min Scan# 2001

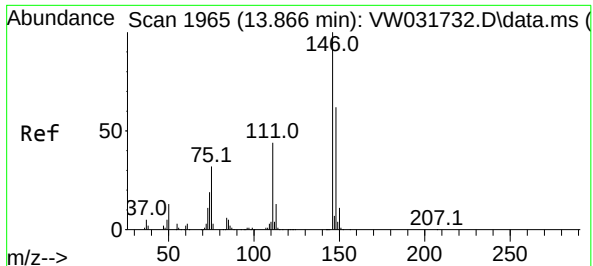
Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

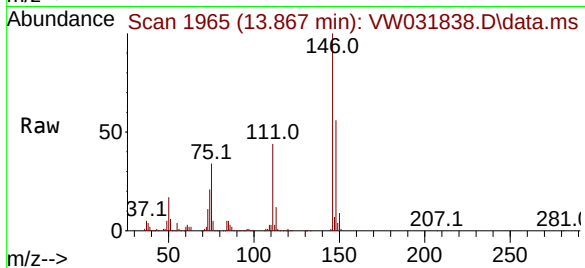
Tgt Ion:	117	Resp:	42673
Ion	Ratio	Lower	Upper
117	100		
201	59.6	31.1	93.3





#91
1,2-Dichlorobenzene
Concen: 21.586 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

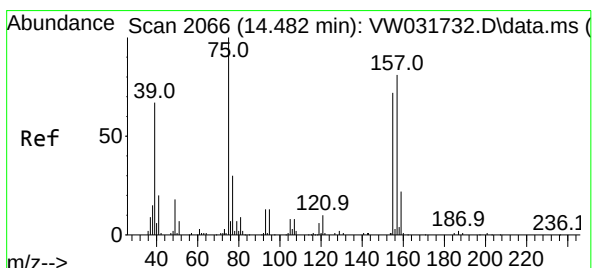
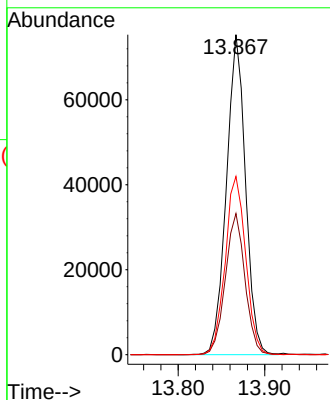
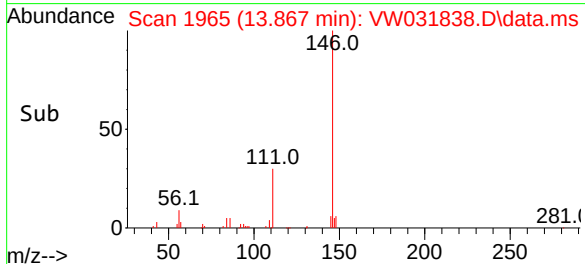
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



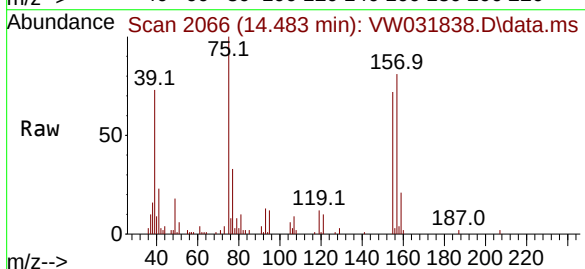
Tgt Ion:146 Resp: 11544
Ion Ratio Lower Upper
146 100
111 45.5 21.7 65.1
148 59.8 29.8 89.5

Manual Integrations
APPROVED

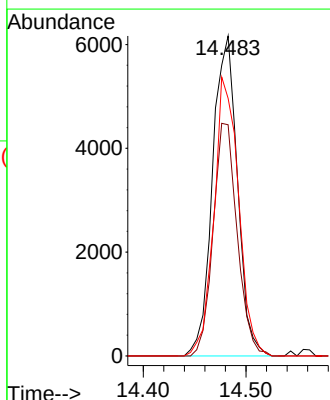
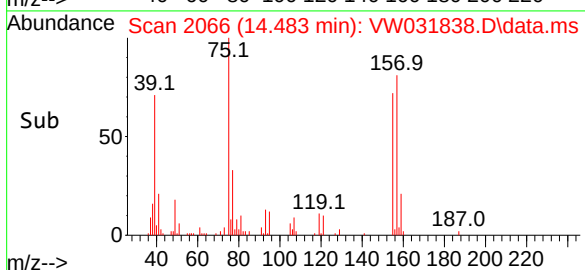
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

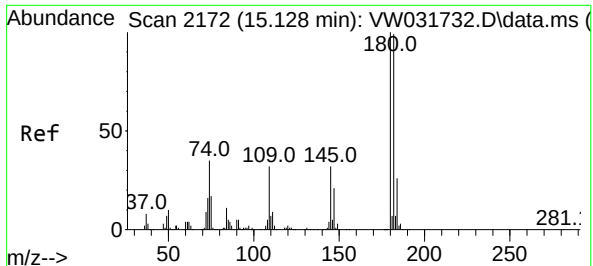


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.229 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14



Tgt Ion: 75 Resp: 10337
Ion Ratio Lower Upper
75 100
155 70.5 37.2 111.6
157 86.2 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 20.653 ug/l

RT: 15.123 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:180 Resp: 6811

Ion Ratio Lower Upper

180 100

182 96.0 48.6 145.9

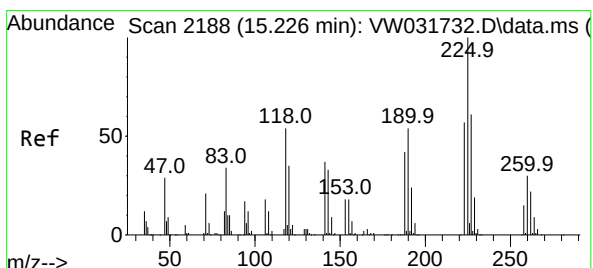
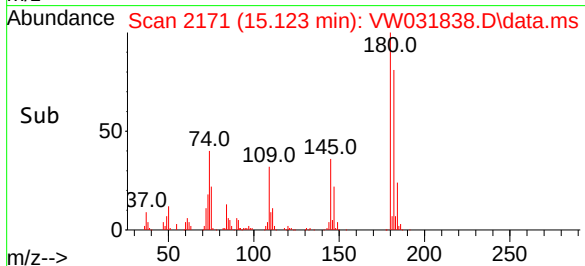
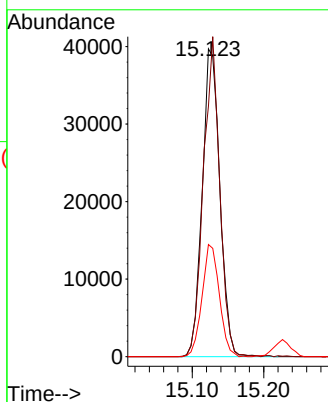
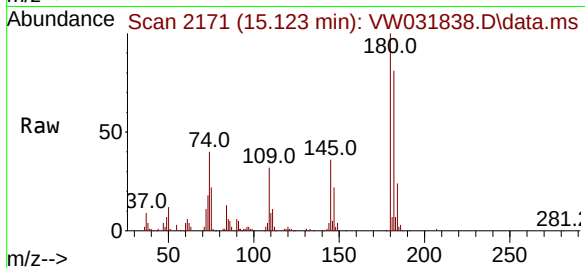
145 35.7 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#94

Hexachlorobutadiene

Concen: 18.970 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031838.D

Acq: 14 Jul 2025 10:14

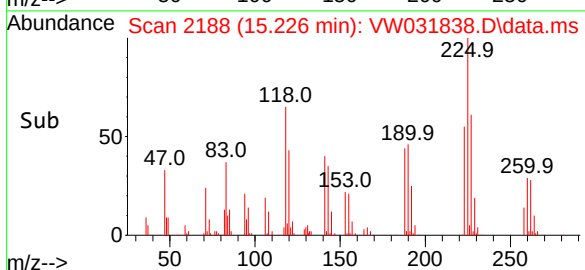
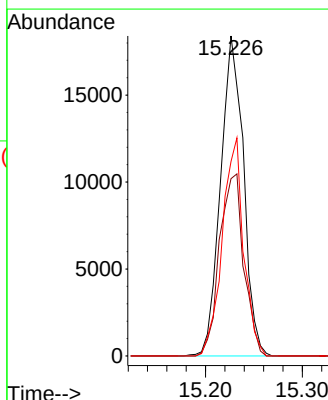
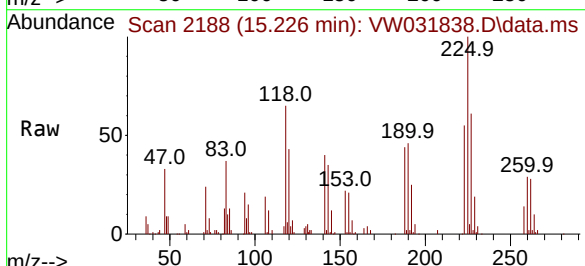
Tgt Ion:225 Resp: 30212

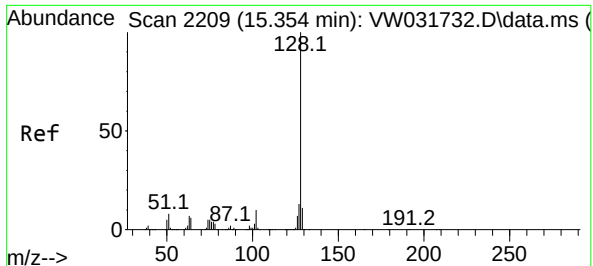
Ion Ratio Lower Upper

225 100

223 60.2 32.6 97.8

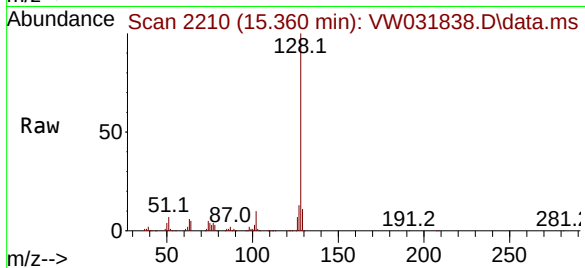
227 63.8 37.3 111.8





#95
Naphthalene
Concen: 20.421 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

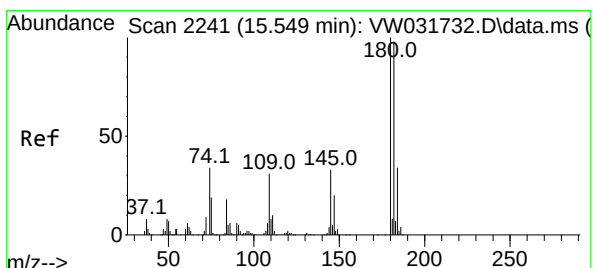
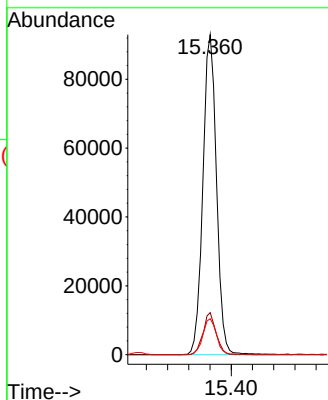
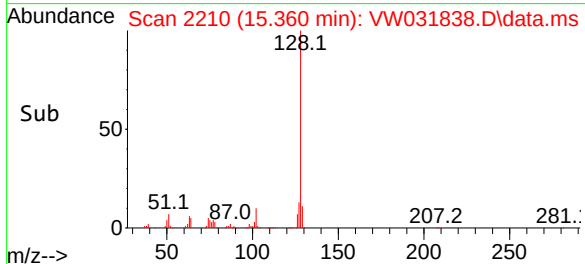
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:128 Resp: 165120
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 11.2 8.7 13.1

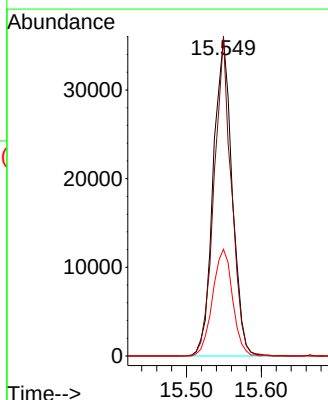
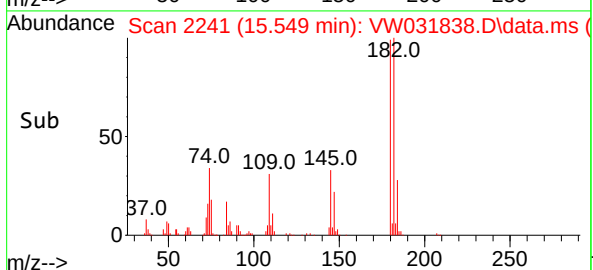
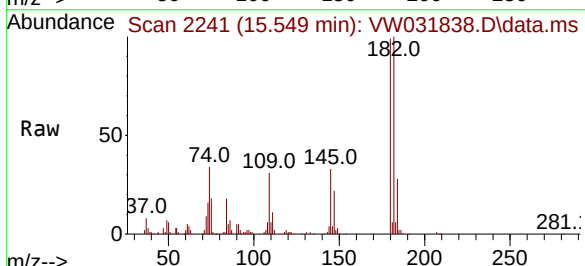
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.753 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031838.D
Acq: 14 Jul 2025 10:14

Tgt Ion:180 Resp: 62893
Ion Ratio Lower Upper
180 100
182 92.5 46.4 139.1
145 35.6 17.8 53.3



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Edison - East River Site 2		Date Received:	
Client Sample ID:	VW0714SBSD01		SDG No.:	Q2592
Lab Sample ID:	VW0714SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		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	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	99.3		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	22.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Edison - East River Site 2		Date Received:	
Client Sample ID:	VW0714SBSD01	SDG No.:	Q2592	
Lab Sample ID:	VW0714SBSD01	Matrix:	SOIL	
Analytical Method:	8260D	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	7.965			
540-36-3	1,4-Difluorobenzene	420000	8.855			
3114-55-4	Chlorobenzene-d5	384000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.556			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	VW0714SBSD01	SDG No.:	Q2592
Lab Sample ID:	VW0714SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

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\VW071425\
 Data File : VW031839.D
 Acq On : 14 Jul 2025 10:36
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	213196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	419599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	383633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168874	55.195	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.380%			
35) Dibromofluoromethane	7.904	113	141487	51.674	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.340%			
50) Toluene-d8	10.325	98	514621	50.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.617	95	202927	54.118	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	24609	16.949	ug/l	99
3) Chloromethane	2.259	50	34502	19.710	ug/l	98
4) Vinyl Chloride	2.411	62	45927	19.962	ug/l	95
5) Bromomethane	2.826	94	36697	20.420	ug/l	95
6) Chloroethane	2.972	64	31465	20.133	ug/l	95
7) Trichlorofluoromethane	3.308	101	40411	19.340	ug/l	94
8) Diethyl Ether	3.722	74	35543	22.386	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	45420	19.584	ug/l	97
10) Methyl Iodide	4.314	142	71247	19.927	ug/l	99
11) Tert butyl alcohol	5.234	59	20449	107.881	ug/l	98
12) 1,1-Dichloroethene	4.082	96	50821	20.005	ug/l	92
13) Acrolein	3.936	56	25636	75.248	ug/l	95
14) Allyl chloride	4.704	41	81670	20.953	ug/l	98
15) Acrylonitrile	5.405	53	84019	107.608	ug/l	99
16) Acetone	4.167	43	75082	99.283	ug/l	94
17) Carbon Disulfide	4.429	76	125753	18.499	ug/l	98
18) Methyl Acetate	4.710	43	45134	20.883	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	98454	22.834	ug/l	99
20) Methylene Chloride	4.960	84	81509	24.463	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	57078	21.146	ug/l	98
22) Diisopropyl ether	6.344	45	179249	23.580	ug/l	98
23) Vinyl Acetate	6.289	43	593190	114.245	ug/l	97
24) 1,1-Dichloroethane	6.252	63	109046	22.126	ug/l	99
25) 2-Butanone	7.197	43	109501	111.299	ug/l	99
26) 2,2-Dichloropropane	7.185	77	57198	19.892	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	69492	22.396	ug/l	98
28) Bromochloromethane	7.532	49	49771	22.885	ug/l	99
29) Tetrahydrofuran	7.557	42	74733	110.918	ug/l	99
30) Chloroform	7.697	83	117943	22.522	ug/l	99
31) Cyclohexane	7.971	56	86315	19.813	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83140	20.601	ug/l	99
36) 1,1-Dichloropropene	8.099	75	76947	19.421	ug/l	99
37) Ethyl Acetate	7.276	43	50983	20.398	ug/l	100
38) Carbon Tetrachloride	8.081	117	74893	18.549	ug/l	99
39) Methylcyclohexane	9.343	83	89385	18.133	ug/l	94
40) Benzene	8.337	78	244539	20.861	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031839.D
 Acq On : 14 Jul 2025 10:36
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27875	20.819	ug/l	98
42) 1,2-Dichloroethane	8.410	62	81454	20.565	ug/l	98
43) Isopropyl Acetate	8.441	43	87779	20.374	ug/l	98
44) Trichloroethene	9.099	130	57013	19.486	ug/l	95
45) 1,2-Dichloropropane	9.380	63	57958	20.457	ug/l	100
46) Dibromomethane	9.465	93	37747	20.637	ug/l	97
47) Bromodichloromethane	9.654	83	89141	20.783	ug/l	99
48) Methyl methacrylate	9.447	41	43023	20.309	ug/l	97
49) 1,4-Dioxane	9.465	88	9243	431.465	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	256818	103.684	ug/l	100
52) Toluene	10.392	92	158007	21.053	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	84553	21.011	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	95766	20.992	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	50275	20.983	ug/l	97
56) Ethyl methacrylate	10.648	69	71692	22.056	ug/l	98
57) 1,3-Dichloropropane	10.934	76	90014	21.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	193414	108.059	ug/l	98
59) 2-Hexanone	10.971	43	180082	107.289	ug/l	99
60) Dibromochloromethane	11.129	129	55936	19.523	ug/l	93
61) 1,2-Dibromoethane	11.239	107	49994	20.843	ug/l	98
64) Tetrachloroethene	10.861	164	43464	17.320	ug/l	92
65) Chlorobenzene	11.654	112	166946	19.724	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	54305	20.133	ug/l	97
67) Ethyl Benzene	11.727	91	300048	20.443	ug/l	96
68) m/p-Xylenes	11.837	106	224555	39.799	ug/l	99
69) o-Xylene	12.166	106	107272	20.534	ug/l	99
70) Styrene	12.178	104	183895	20.362	ug/l	98
71) Bromoform	12.349	173	30684	19.069	ug/l #	98
73) Isopropylbenzene	12.465	105	280880	20.443	ug/l	98
74) N-amyl acetate	12.269	43	81575	22.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	63391	20.781	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48982m	20.984	ug/l	
77) Bromobenzene	12.745	156	61500	20.069	ug/l	94
78) n-propylbenzene	12.800	91	337459	20.510	ug/l	99
79) 2-Chlorotoluene	12.891	91	209747	21.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	238168	20.941	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	18854	18.813	ug/l	92
82) 4-Chlorotoluene	12.989	91	218429	20.999	ug/l	100
83) tert-Butylbenzene	13.202	119	194261	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	241588	20.965	ug/l	99
85) sec-Butylbenzene	13.379	105	293323	20.059	ug/l	99
86) p-Isopropyltoluene	13.495	119	247144	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	124859	20.317	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	126920	20.177	ug/l	94
89) n-Butylbenzene	13.818	91	234809	20.054	ug/l	98
90) Hexachloroethane	14.092	117	41932	19.287	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	116784	20.791	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11462	19.244	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	68535	19.784	ug/l	95
94) Hexachlorobutadiene	15.226	225	28897	17.275	ug/l	95
95) Naphthalene	15.360	128	167105	19.676	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61227	19.235	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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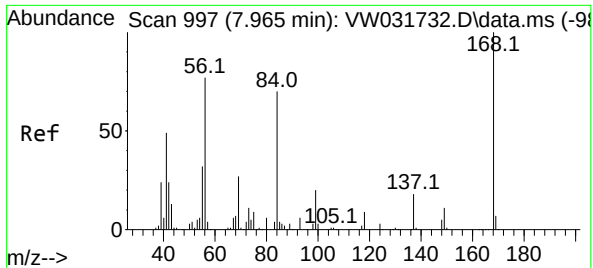
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBSD01

Manual Integrations APPROVED

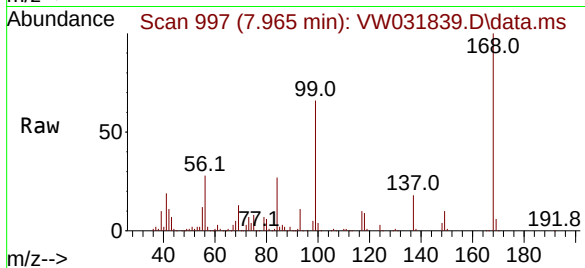
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

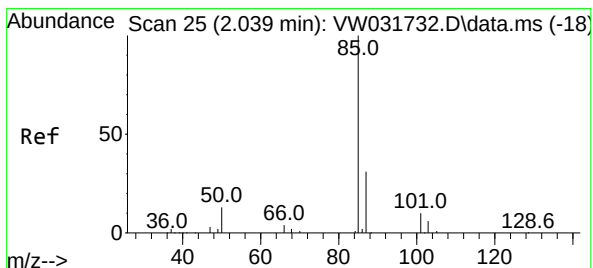
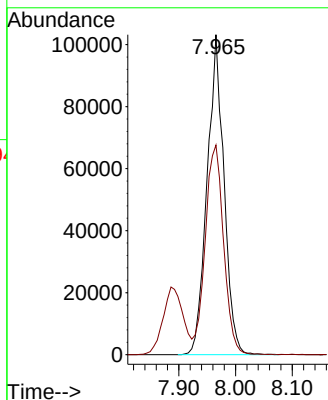
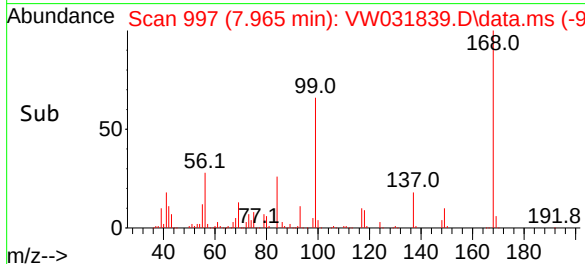
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:168 Resp: 213190
Ion Ratio Lower Upper
168 100
99 65.5 49.4 74.2

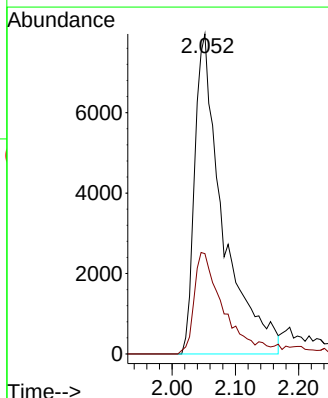
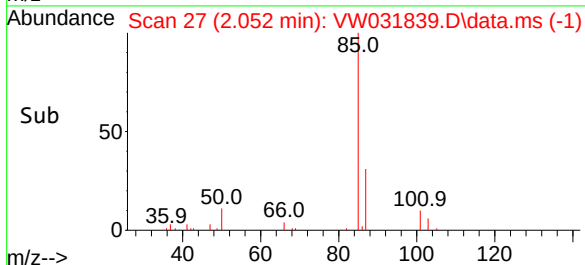
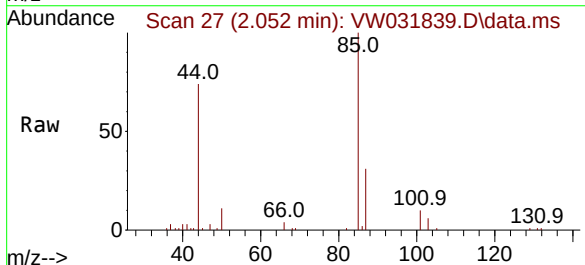
Manual Integrations
APPROVED

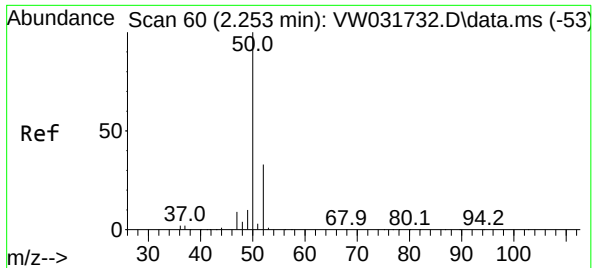
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#2
Dichlorodifluoromethane
Concen: 16.949 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.012 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

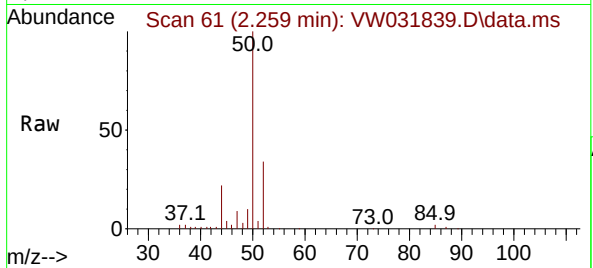
Tgt Ion: 85 Resp: 24609
Ion Ratio Lower Upper
85 100
87 31.4 15.4 46.2





#3
Chloromethane
Concen: 19.710 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

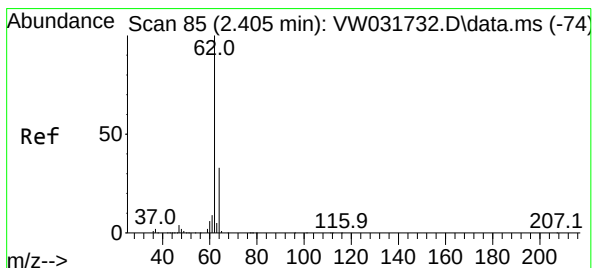
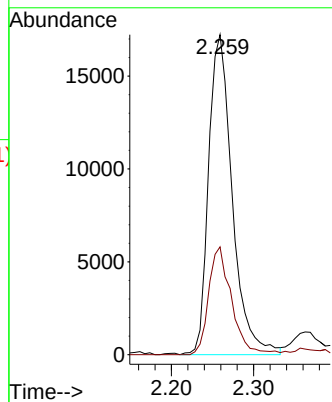
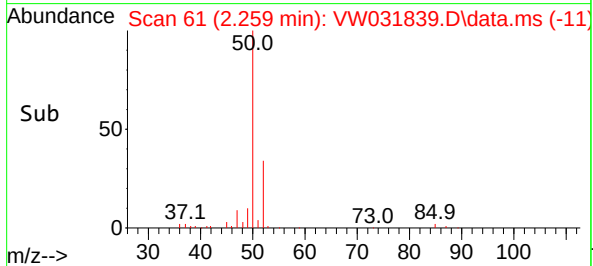
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBSD01



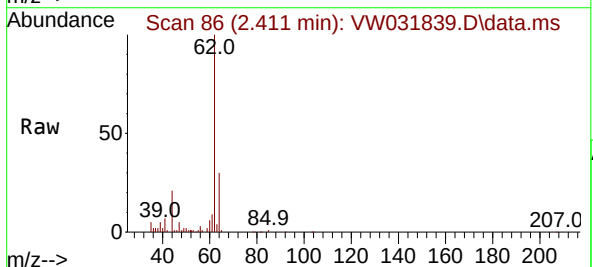
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Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.2

Manual Integrations
APPROVED

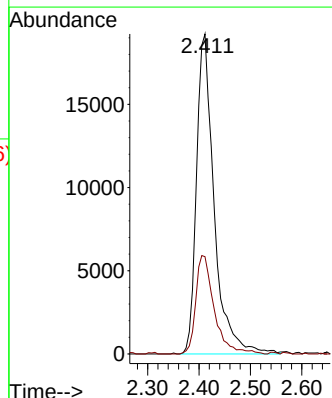
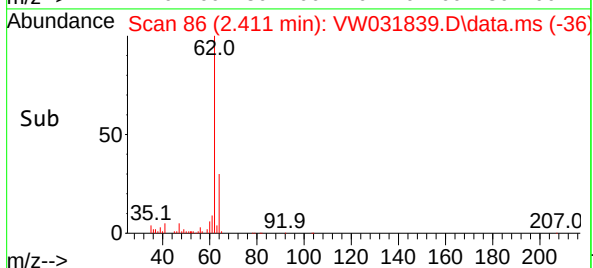
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

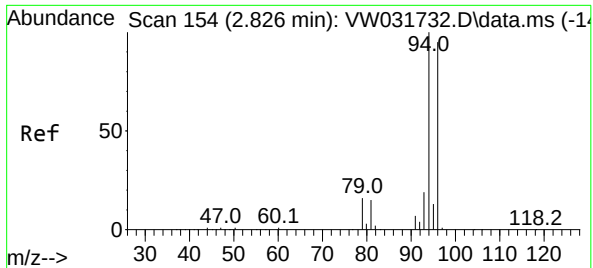


#4
Vinyl Chloride
Concen: 19.962 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion: 62 Resp: 45927
Ion Ratio Lower Upper
62 100
64 30.4 26.8 40.2





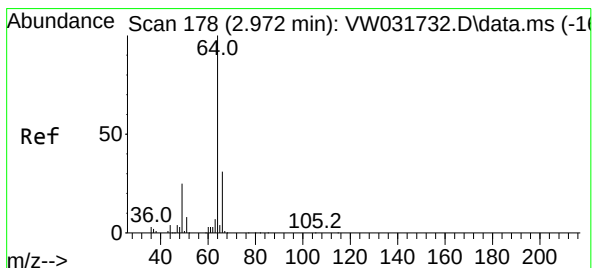
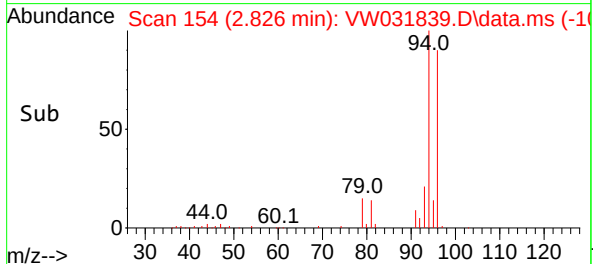
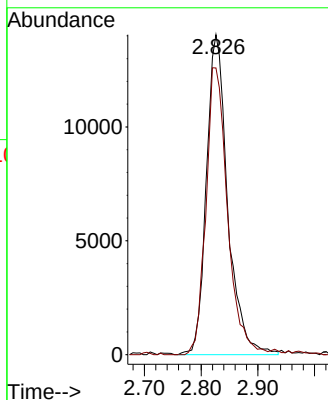
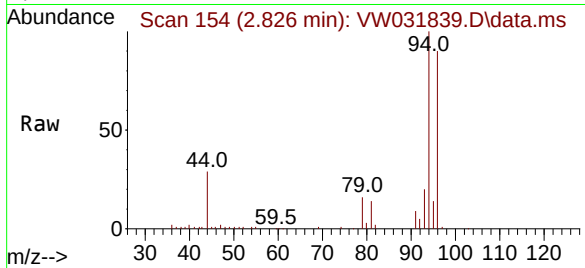
#5
Bromomethane
Concen: 20.420 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 94 Resp: 3669
Ion Ratio Lower Upper
94 100
96 89.6 75.6 113.4

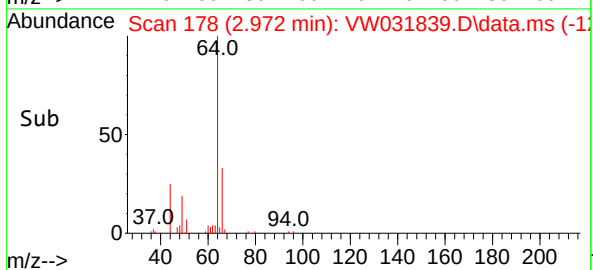
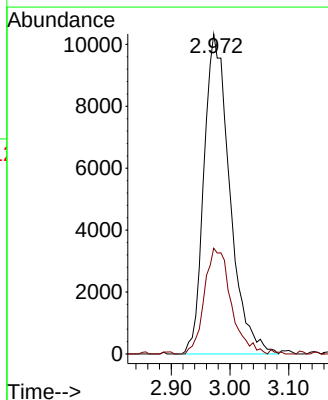
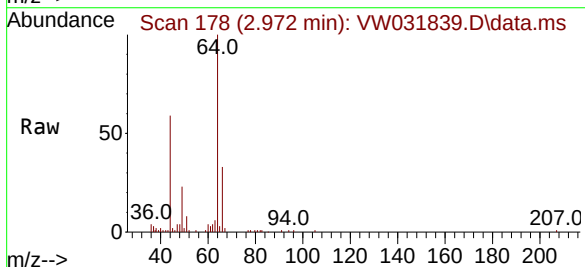
Manual Integrations
APPROVED

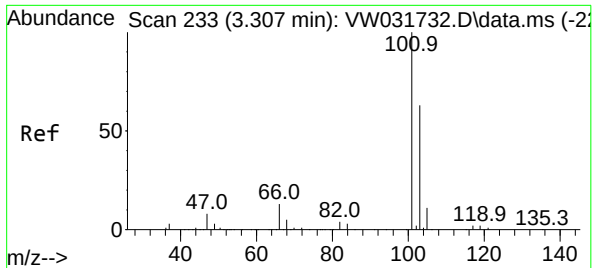
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#6
Chloroethane
Concen: 20.133 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 64 Resp: 31465
Ion Ratio Lower Upper
64 100
66 33.1 24.5 36.7





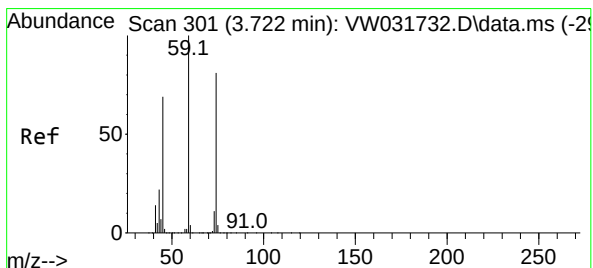
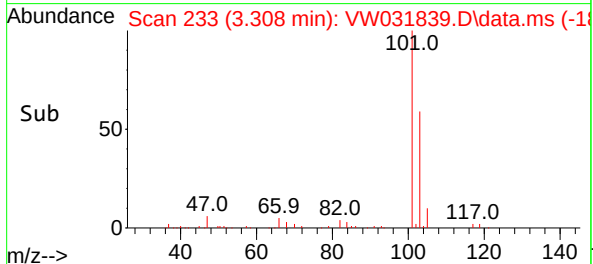
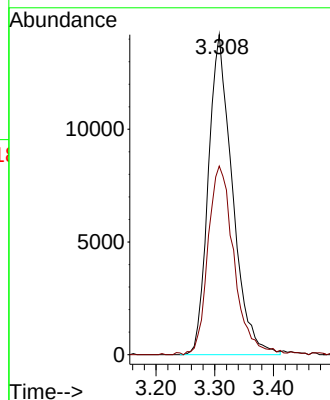
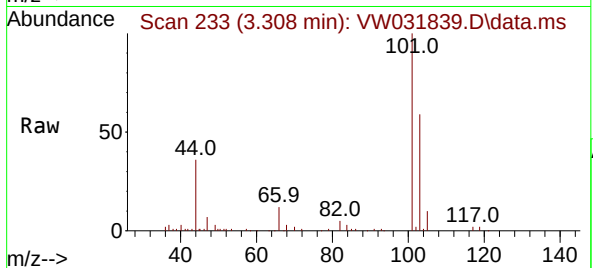
#7
Trichlorofluoromethane
Concen: 19.340 ug/l
RT: 3.308 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:101 Resp: 4041
Ion Ratio Lower Upper
101 100
103 58.4 50.2 75.4

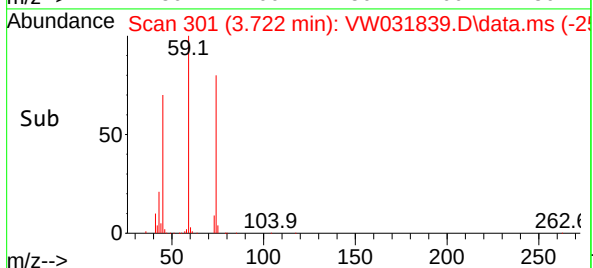
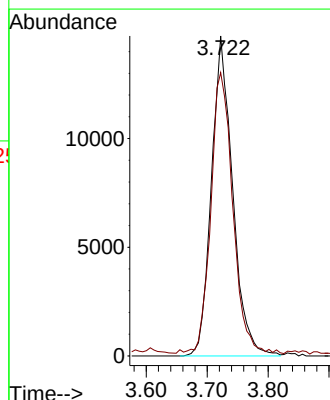
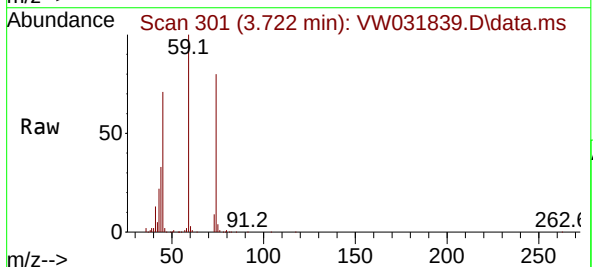
Manual Integrations
APPROVED

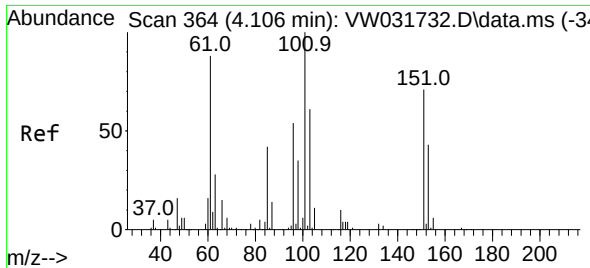
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#8
Diethyl Ether
Concen: 22.386 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 74 Resp: 35543
Ion Ratio Lower Upper
74 100
45 91.1 43.9 131.7





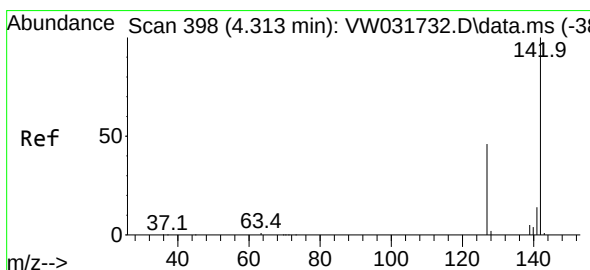
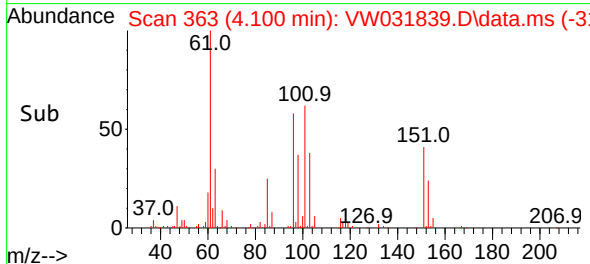
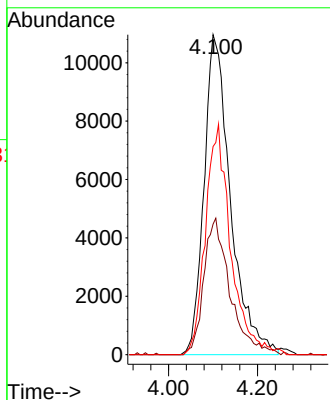
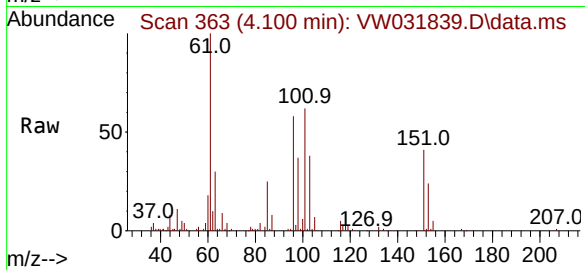
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.584 ug/l
RT: 4.100 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:101 Resp: 45420
Ion Ratio Lower Upper
101 100
85 42.3 35.6 53.4
151 68.3 56.8 85.2

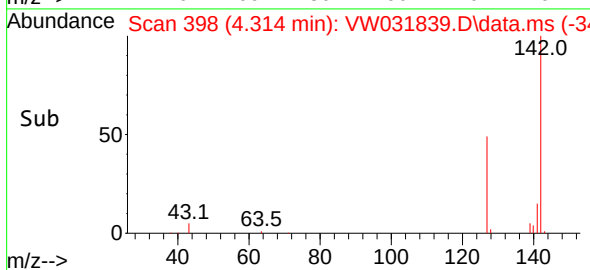
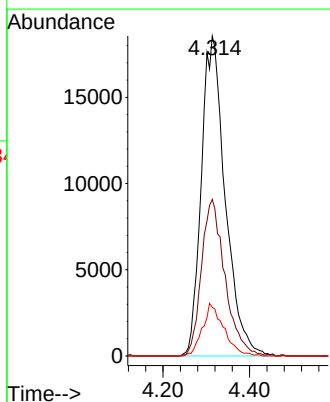
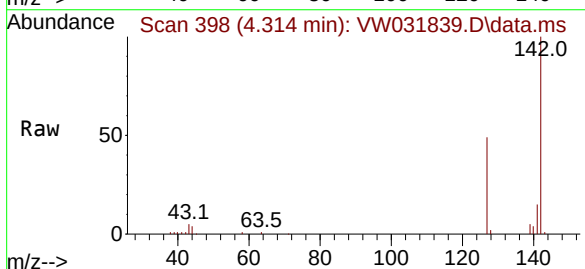
Manual Integrations
APPROVED

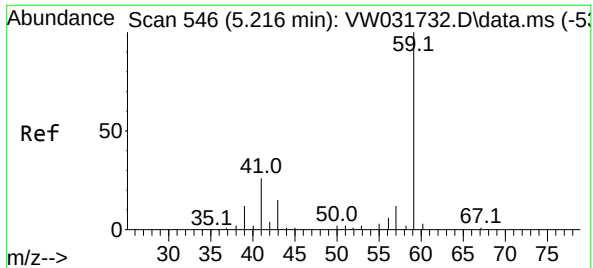
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#10
Methyl Iodide
Concen: 19.927 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:142 Resp: 71247
Ion Ratio Lower Upper
142 100
127 47.9 37.9 56.9
141 14.7 11.7 17.5





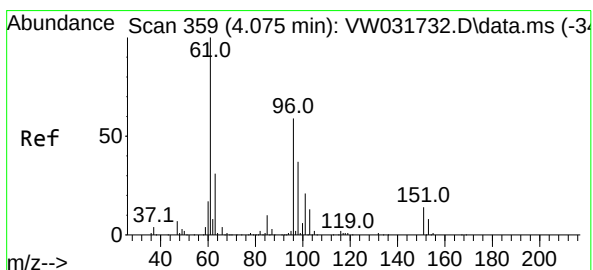
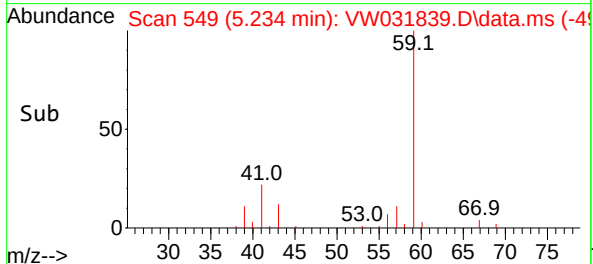
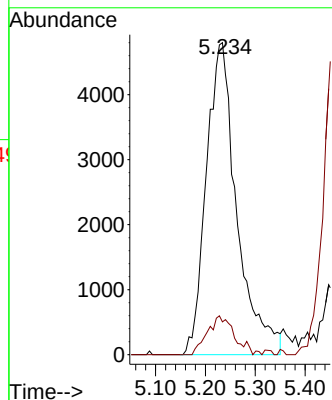
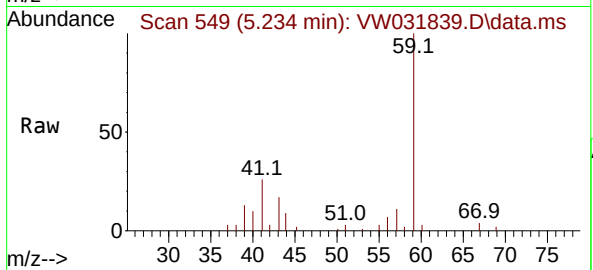
#11
Tert butyl alcohol
Concen: 107.881 ug/l
RT: 5.234 min Scan# 546
Delta R.T. 0.019 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 59 Resp: 20449
Ion Ratio Lower Upper
59 100
57 10.9 9.5 14.3

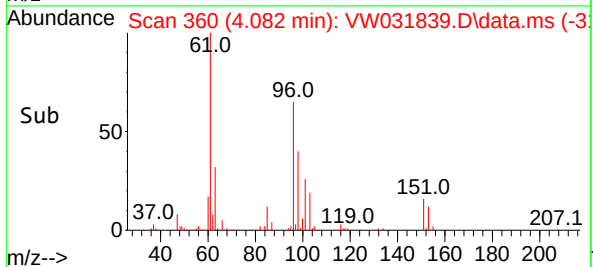
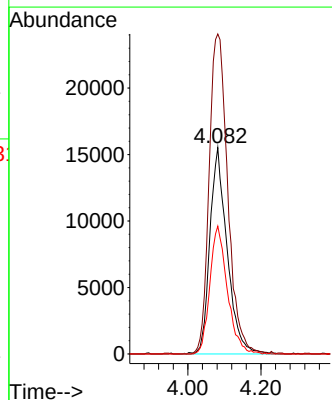
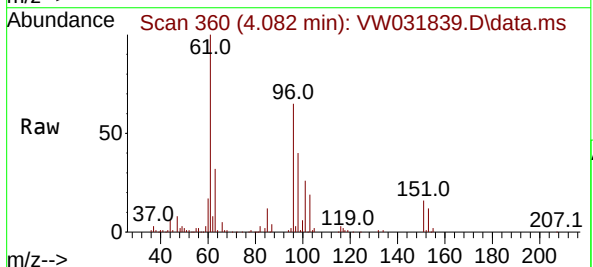
Manual Integrations
APPROVED

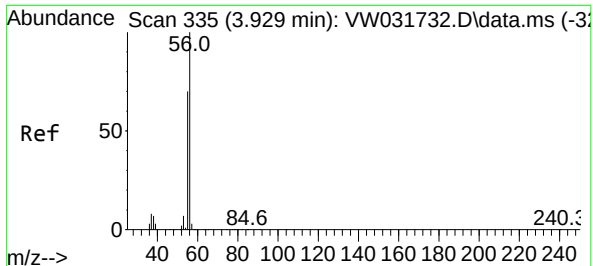
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#12
1,1-Dichloroethene
Concen: 20.005 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

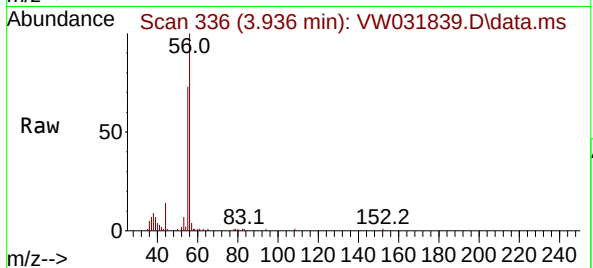
Tgt Ion: 96 Resp: 50821
Ion Ratio Lower Upper
96 100
61 155.0 135.8 203.8
98 62.0 50.4 75.6





#13
Acrolein
Concen: 75.248 ug/l
RT: 3.936 min Scan# 335
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

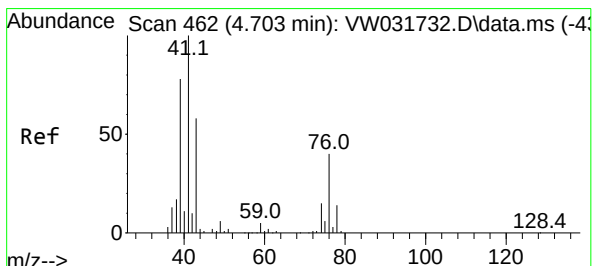
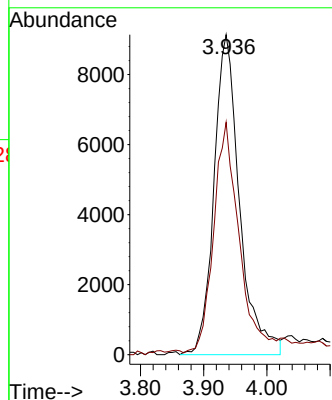
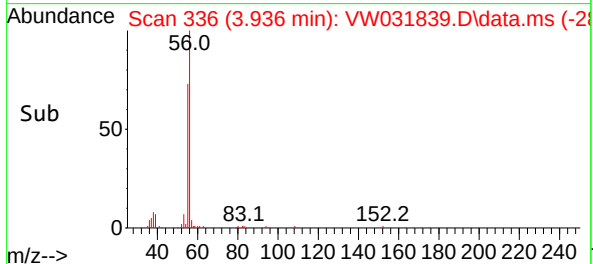
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 56 Resp: 25630
Ion Ratio Lower Upper
56 100
55 71.7 54.0 81.0

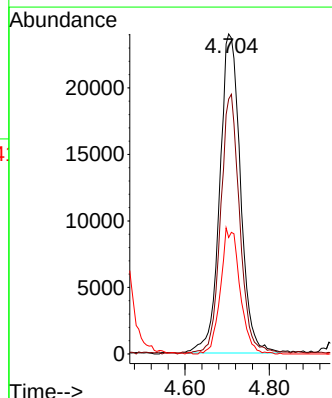
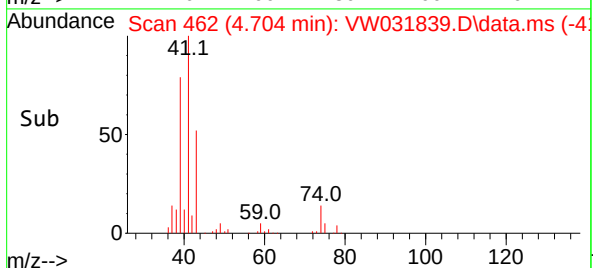
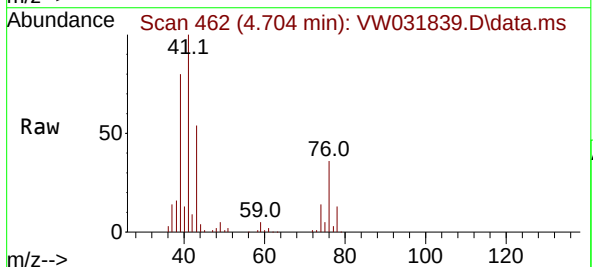
Manual Integrations
APPROVED

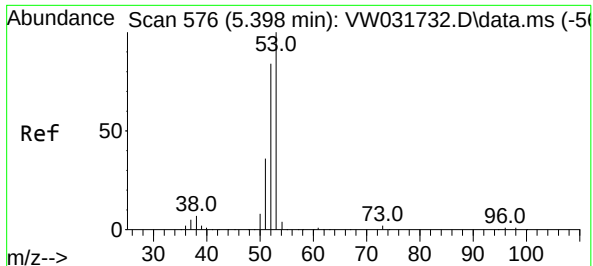
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#14
Allyl chloride
Concen: 20.953 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

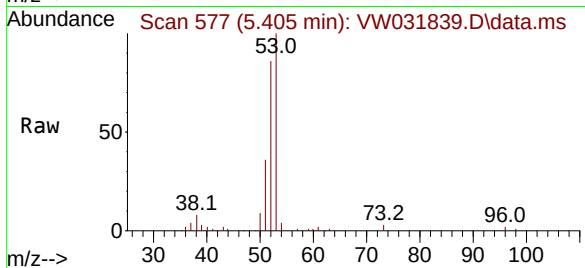
Tgt Ion: 41 Resp: 81670
Ion Ratio Lower Upper
41 100
39 74.4 60.7 91.1
76 37.0 30.3 45.5





#15
Acrylonitrile
Concen: 107.608 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

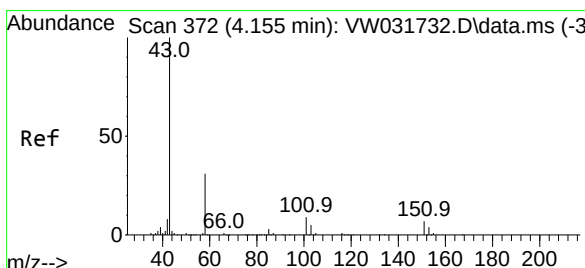
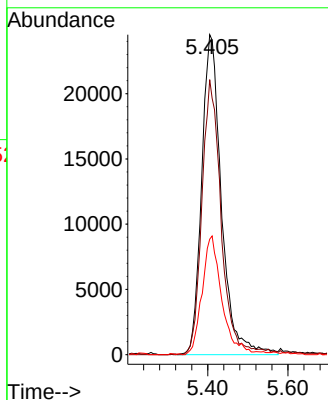
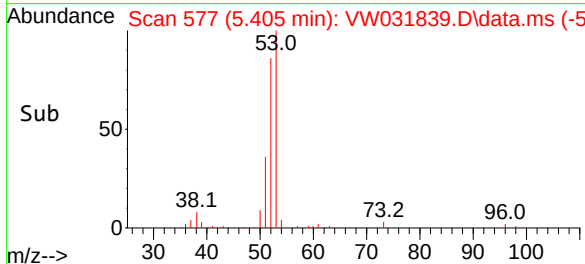
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 53 Resp: 84019
Ion Ratio Lower Upper
53 100
52 83.5 66.4 99.6
51 36.8 29.9 44.9

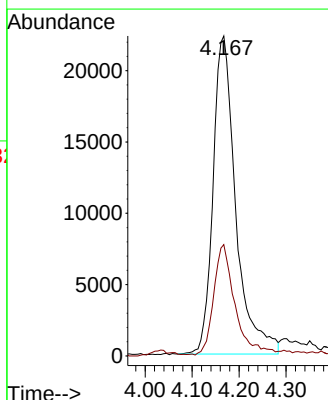
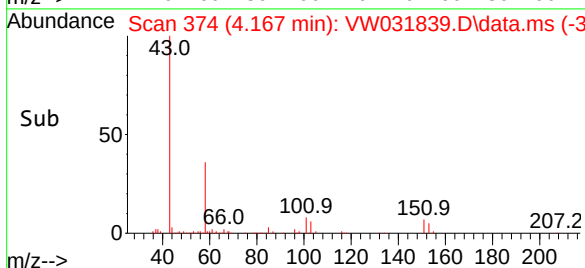
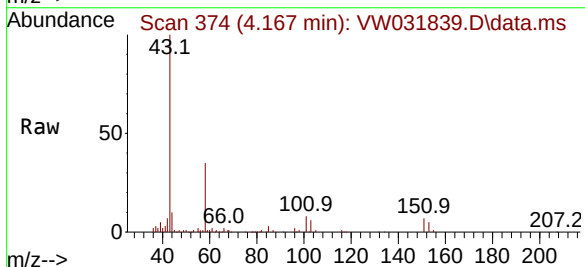
Manual Integrations
APPROVED

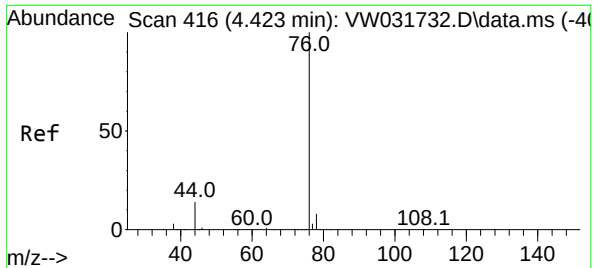
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#16
Acetone
Concen: 99.283 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.013 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 43 Resp: 75082
Ion Ratio Lower Upper
43 100
58 34.5 24.8 37.2





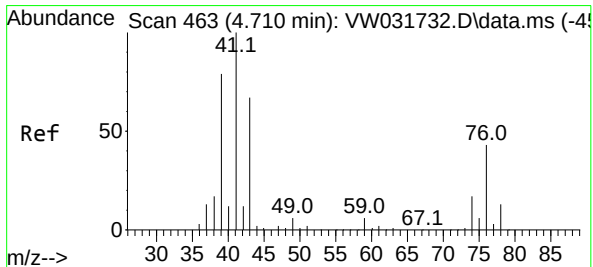
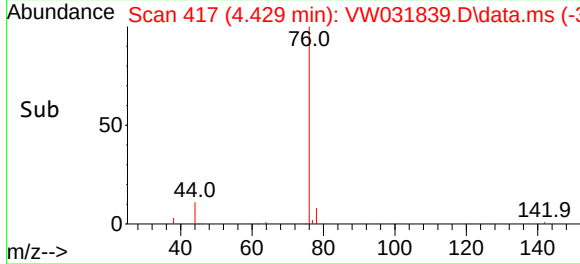
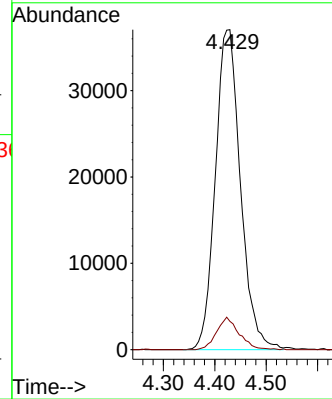
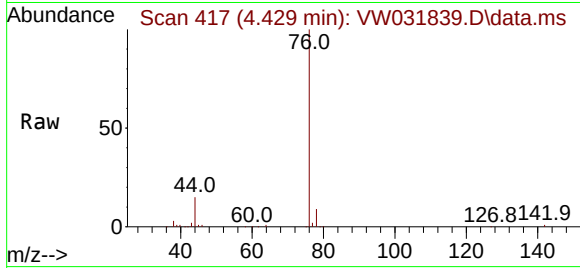
#17
Carbon Disulfide
Concen: 18.499 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 76 Resp: 12575
Ion Ratio Lower Upper
76 100
78 8.9 6.6 10.0

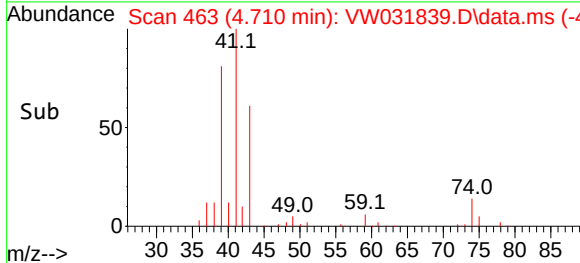
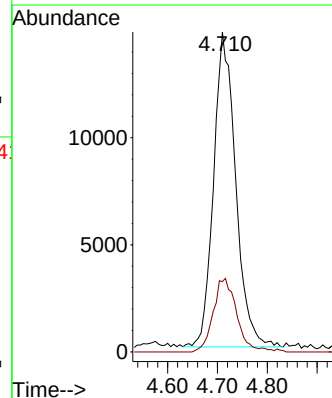
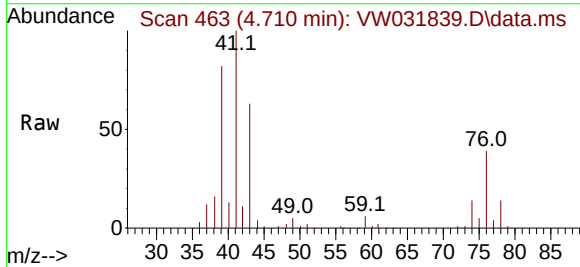
Manual Integrations
APPROVED

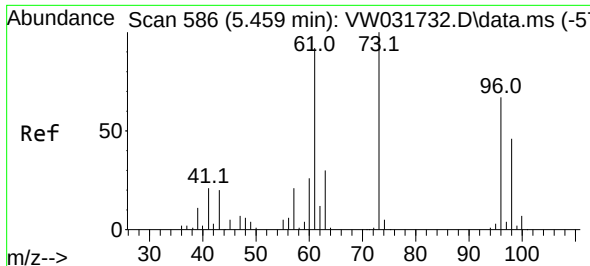
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#18
Methyl Acetate
Concen: 20.883 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 43 Resp: 45134
Ion Ratio Lower Upper
43 100
74 24.9 20.6 30.8





#19

Methyl tert-butyl Ether

Concen: 22.834 ug/l

RT: 5.466 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 73 Resp: 9845

Ion Ratio Lower Upper

73 100

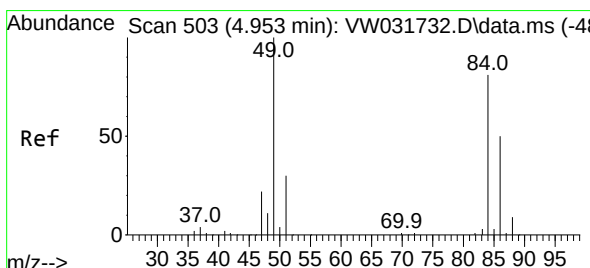
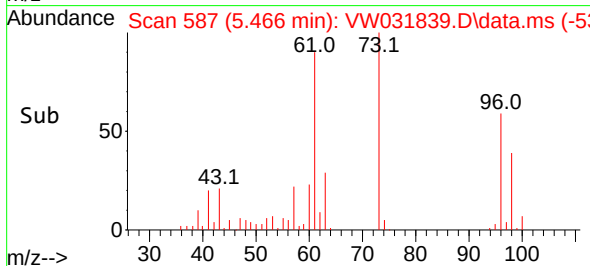
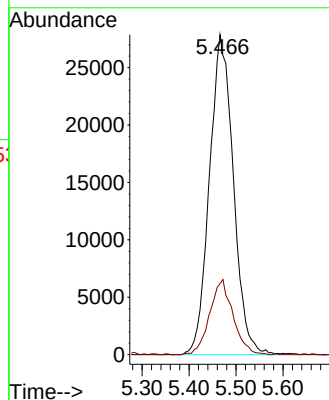
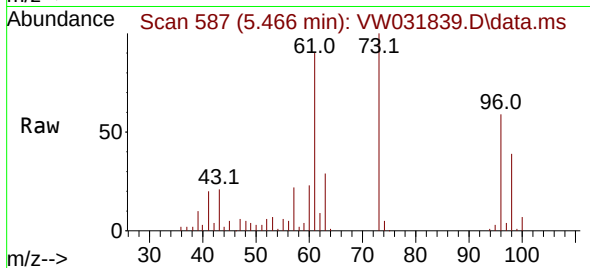
57 22.2 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#20

Methylene Chloride

Concen: 24.463 ug/l

RT: 4.960 min Scan# 504

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion: 84 Resp: 81509

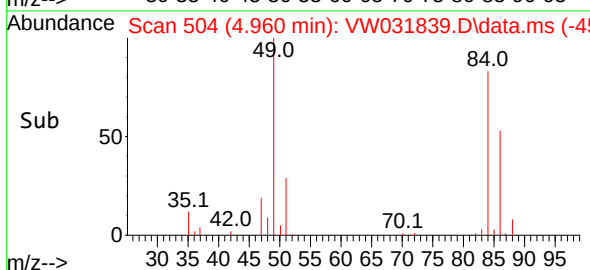
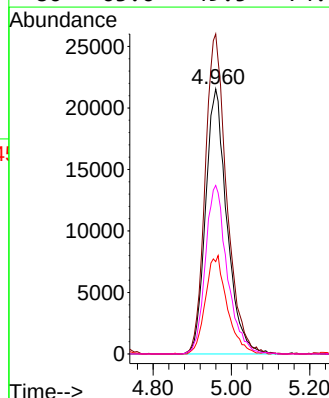
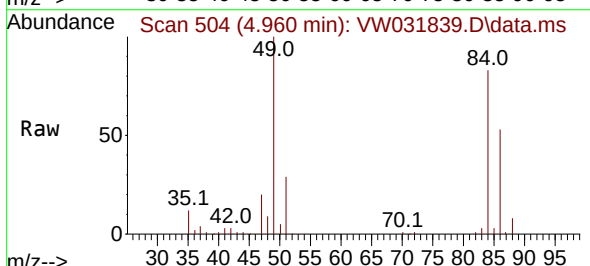
Ion Ratio Lower Upper

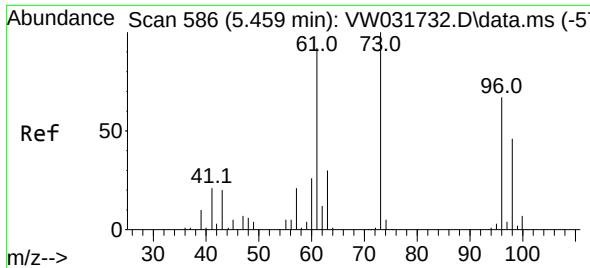
84 100

49 120.8 98.2 147.4

51 34.9 29.8 44.8

86 63.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.146 ug/l

RT: 5.460 min Scan# 586

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 96 Resp: 57078

Ion Ratio Lower Upper

96 100

61 136.2 109.8 164.6

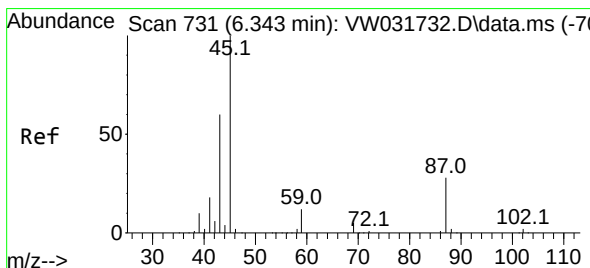
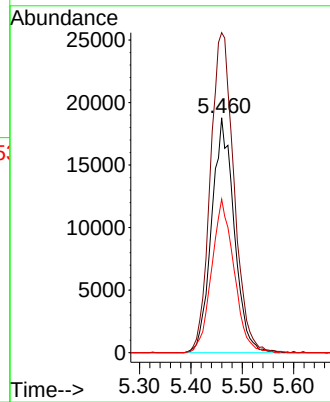
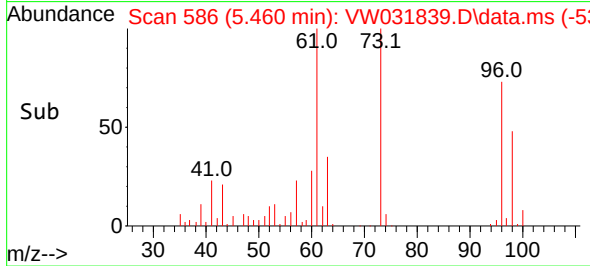
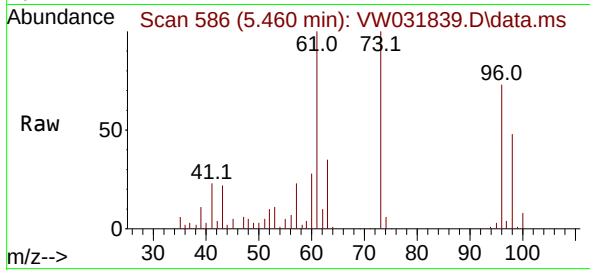
98 65.3 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#22

Diisopropyl ether

Concen: 23.580 ug/l

RT: 6.344 min Scan# 731

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion: 45 Resp: 179249

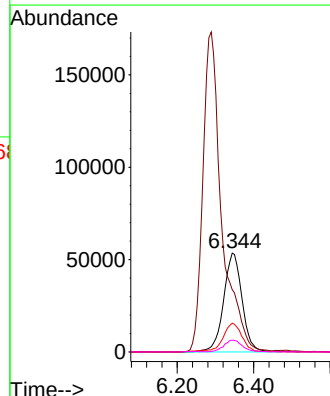
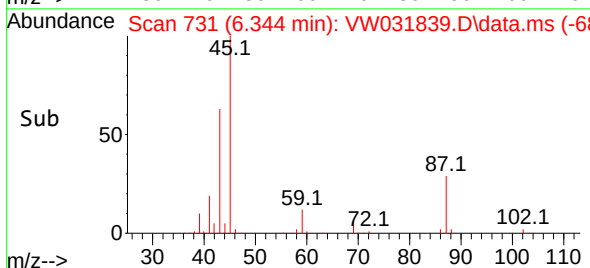
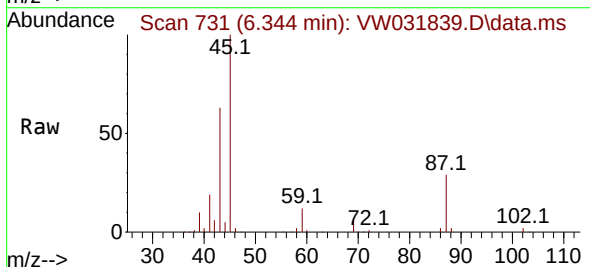
Ion Ratio Lower Upper

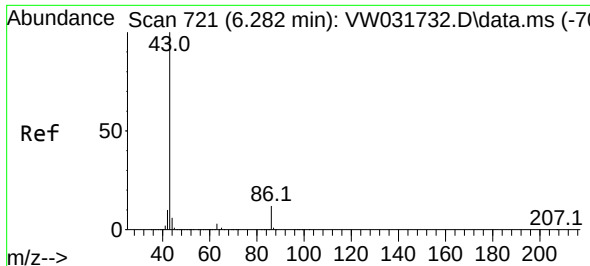
45 100

43 62.9 48.3 72.5

87 29.0 22.6 34.0

59 11.8 9.7 14.5





#23

Vinyl Acetate

Concen: 114.245 ug/l

RT: 6.289 min Scan# 715

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 43 Resp: 593190

Ion Ratio Lower Upper

43

100

86

10.4

9.2

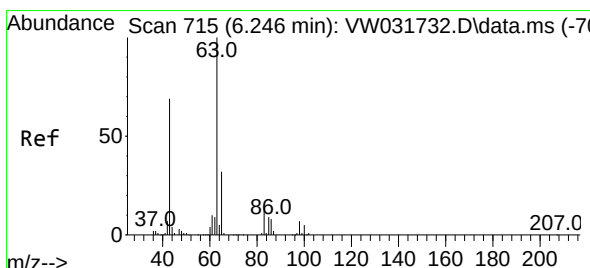
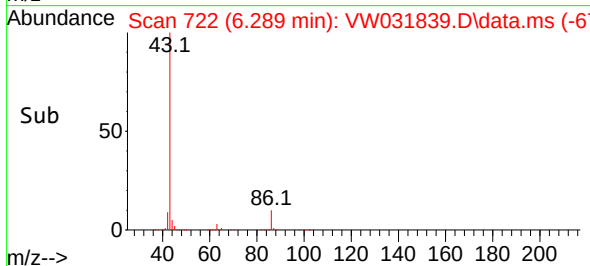
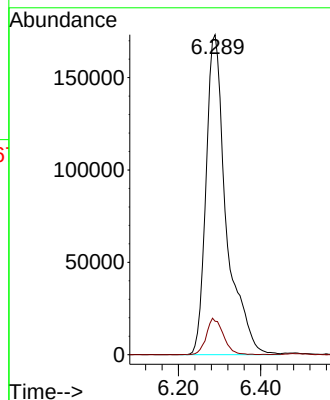
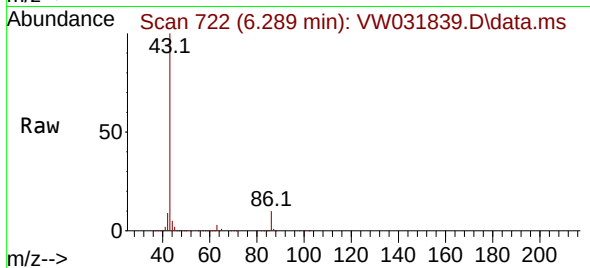
13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#24

1,1-Dichloroethane

Concen: 22.126 ug/l

RT: 6.252 min Scan# 716

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion: 63 Resp: 109046

Ion Ratio Lower Upper

63

100

98

6.2

3.5

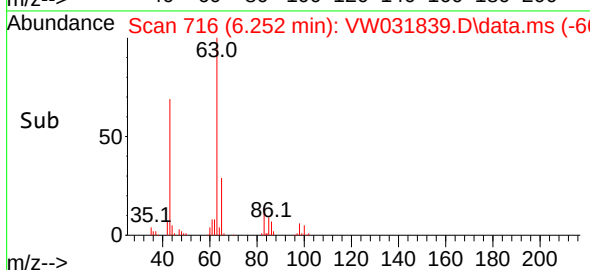
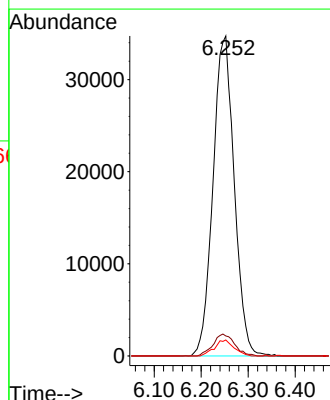
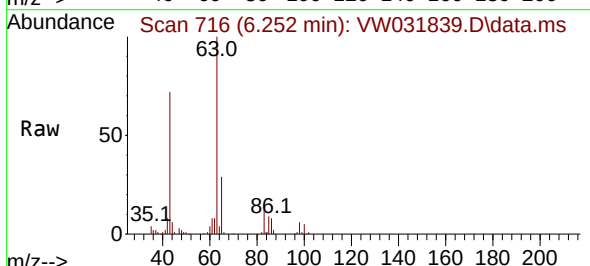
10.6

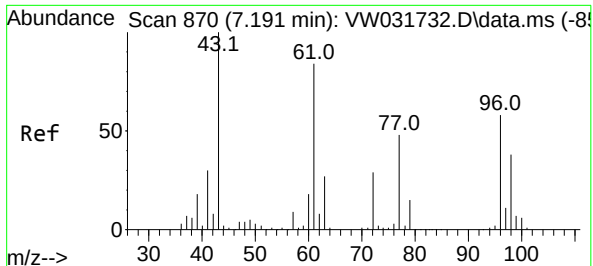
100

5.0

2.5

7.5





#25

2-Butanone

Concen: 111.299 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 43 Resp: 10950

Ion Ratio Lower Upper

43 100

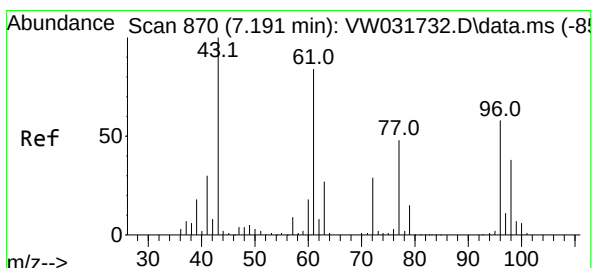
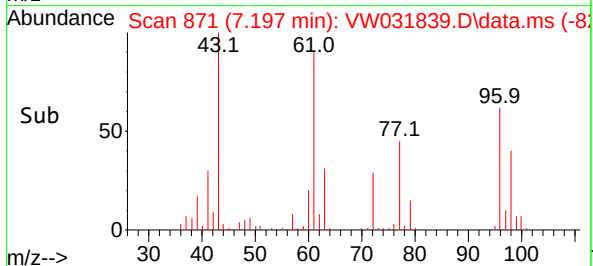
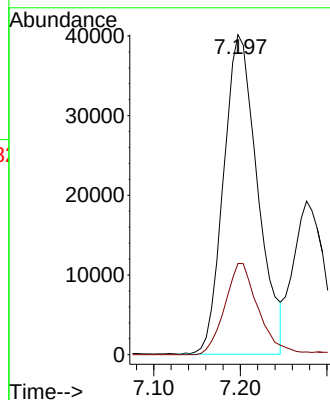
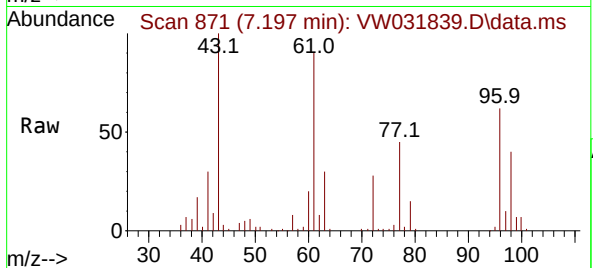
72 28.5 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#26

2,2-Dichloropropane

Concen: 19.892 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW031839.D

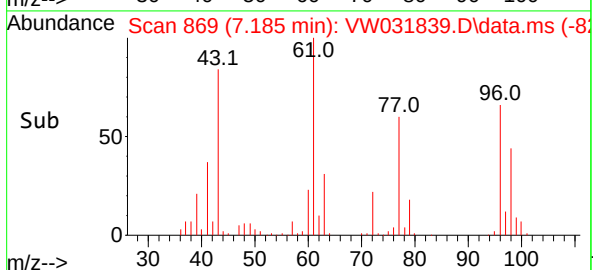
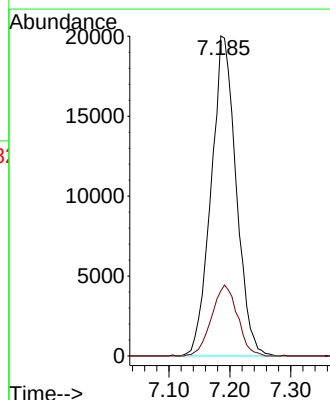
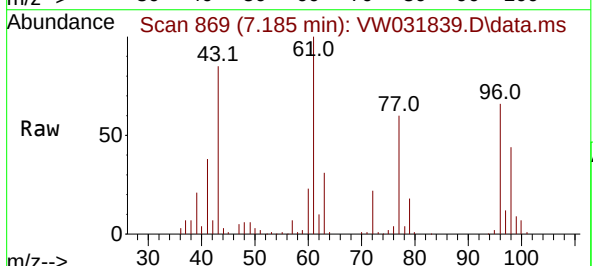
Acq: 14 Jul 2025 10:36

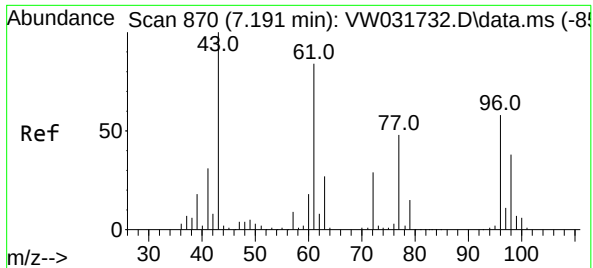
Tgt Ion: 77 Resp: 57198

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 22.396 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

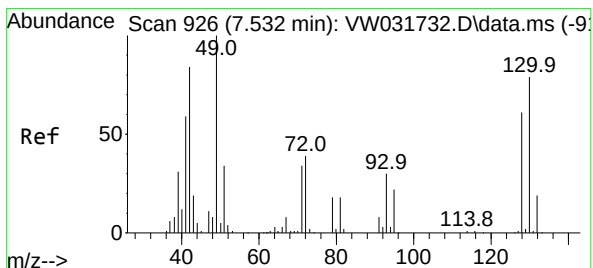
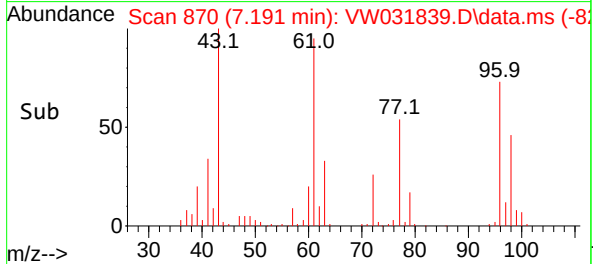
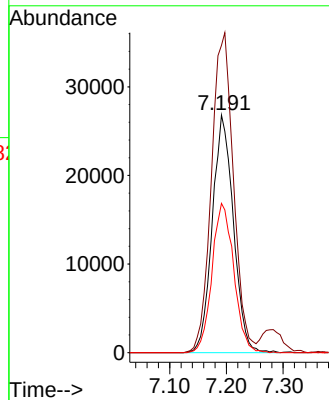
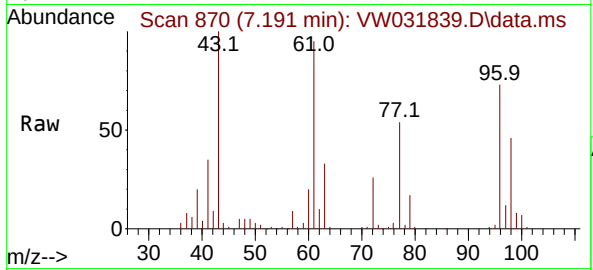
VW0714SBS01

Tgt Ion: 96	Resp: 6949
Ion Ratio	Lower Upper
96 100	
61 140.5	0.0 286.8
98 64.7	0.0 130.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#28

Bromochloromethane

Concen: 22.885 ug/l

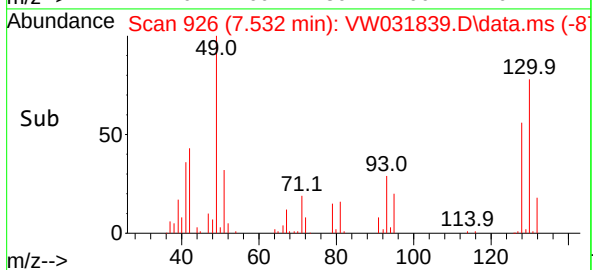
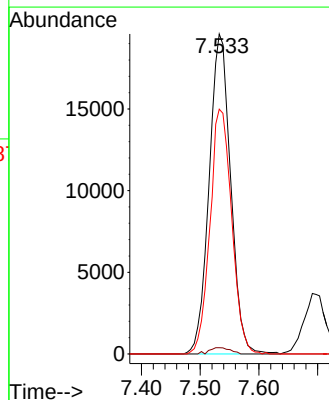
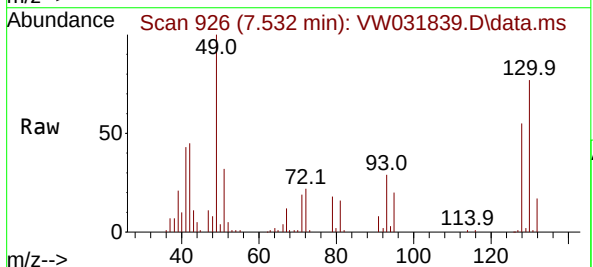
RT: 7.532 min Scan# 926

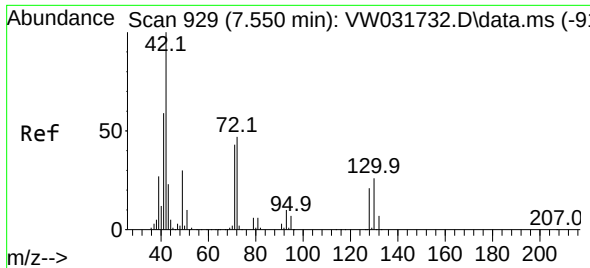
Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion: 49	Resp: 49771
Ion Ratio	Lower Upper
49 100	
129 1.9	0.0 2.4
130 77.4	61.3 91.9





#29

Tetrahydrofuran

Concen: 110.918 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 42 Resp: 7473

Ion Ratio Lower Upper

42 100

72 45.1 36.8 55.2

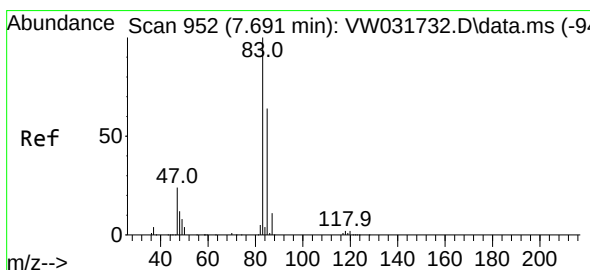
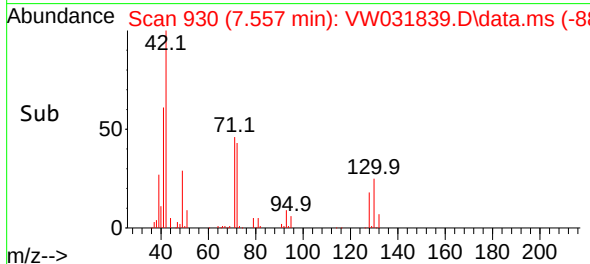
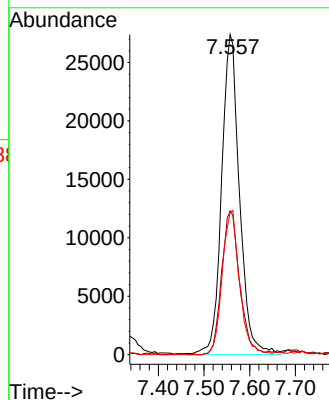
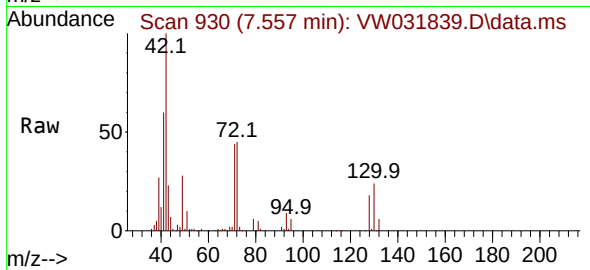
71 43.5 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#30

Chloroform

Concen: 22.522 ug/l

RT: 7.697 min Scan# 953

Delta R.T. 0.006 min

Lab File: VW031839.D

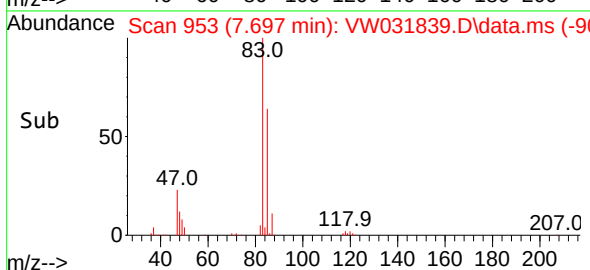
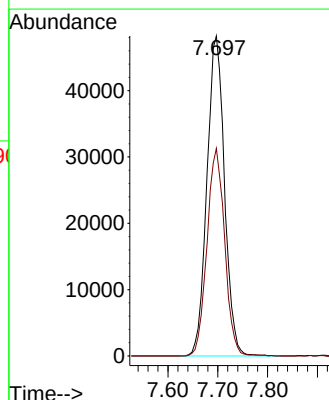
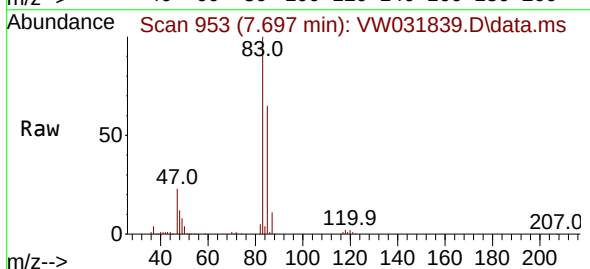
Acq: 14 Jul 2025 10:36

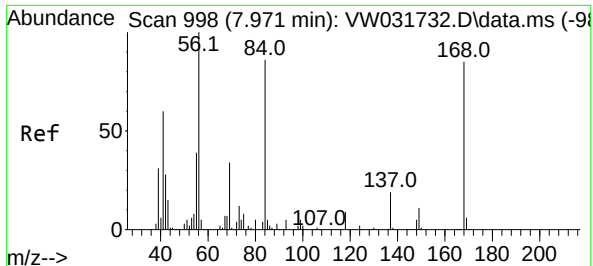
Tgt Ion: 83 Resp: 117943

Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.0





#31

Cyclohexane

Concen: 19.813 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 56 Resp: 8631

Ion Ratio Lower Upper

56 100

69 37.3 27.2 40.8

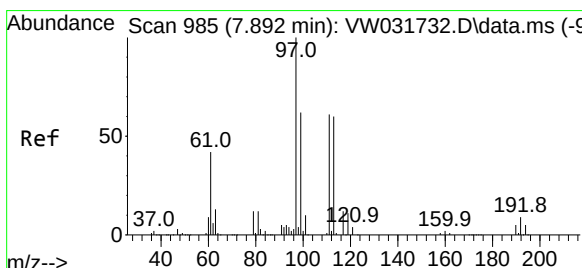
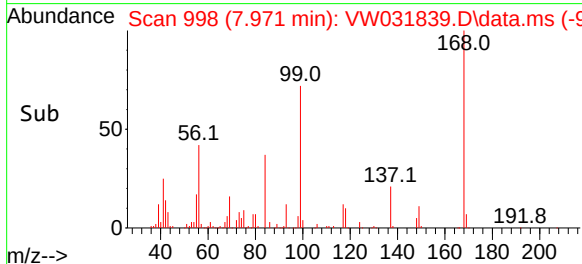
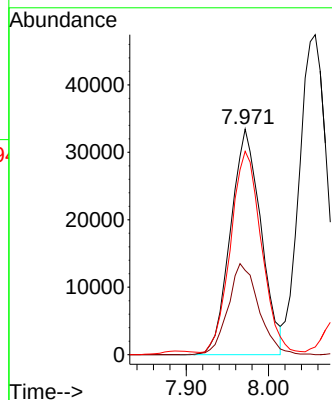
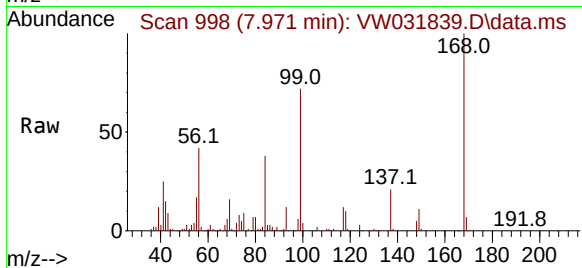
84 88.6 68.5 102.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#32

1,1,1-Trichloroethane

Concen: 20.601 ug/l

RT: 7.886 min Scan# 984

Delta R.T. -0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

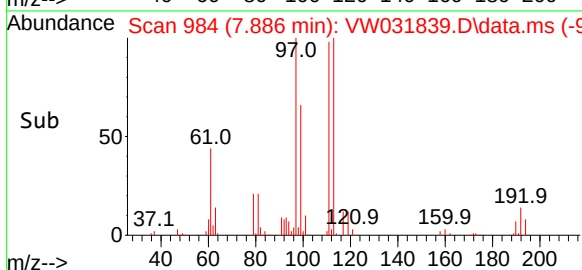
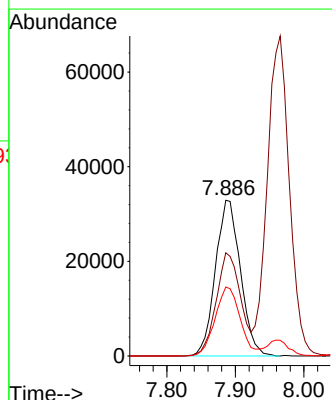
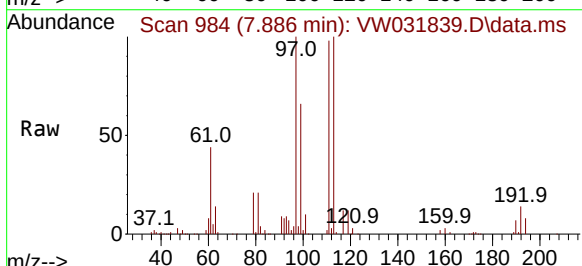
Tgt Ion: 97 Resp: 83140

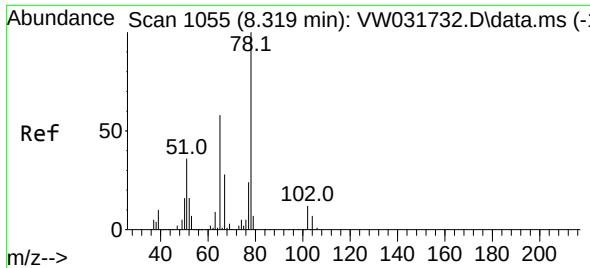
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

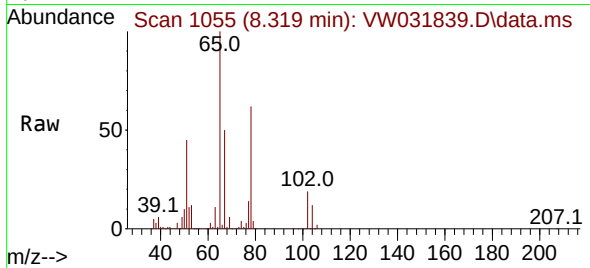
61 44.6 36.0 54.0





#33
1,2-Dichloroethane-d4
Concen: 55.195 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

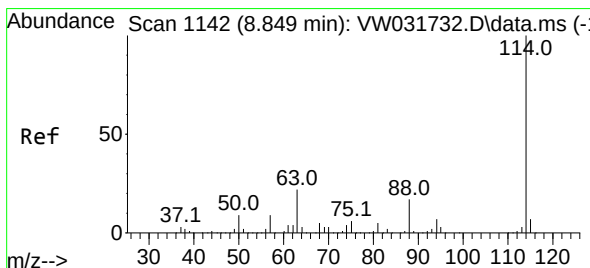
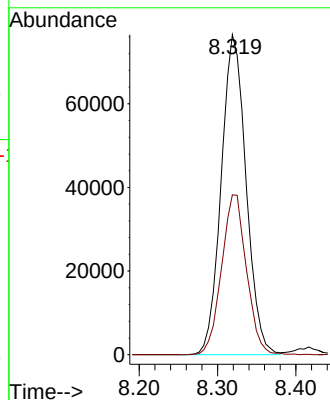
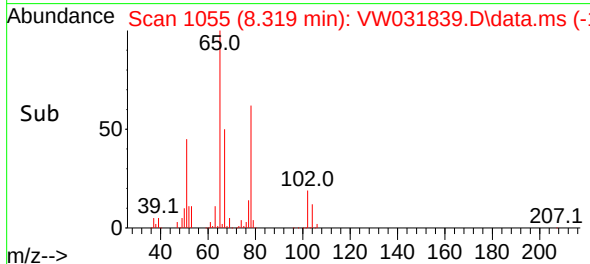
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



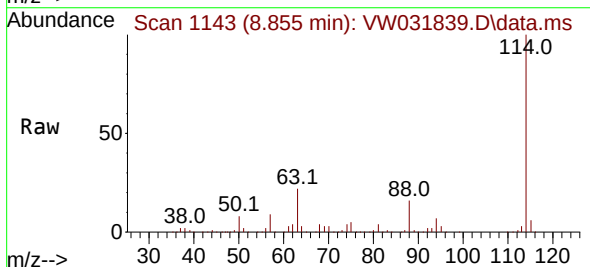
Tgt Ion: 65 Resp: 168874
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.4

Manual Integrations
APPROVED

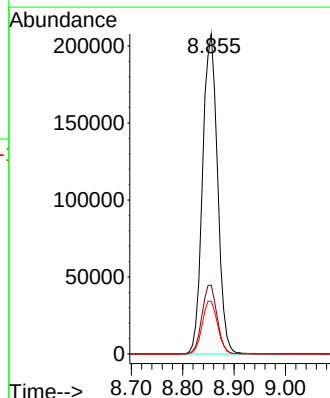
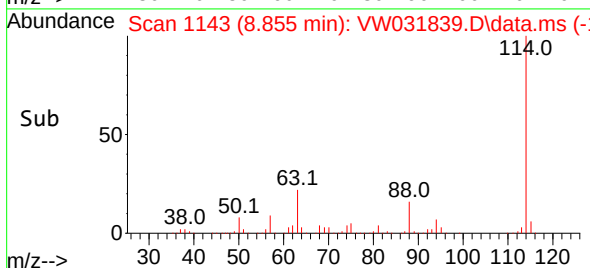
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

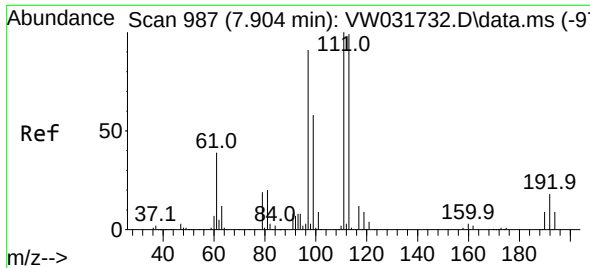


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion:114 Resp: 419599
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.6
88 16.4 0.0 34.2





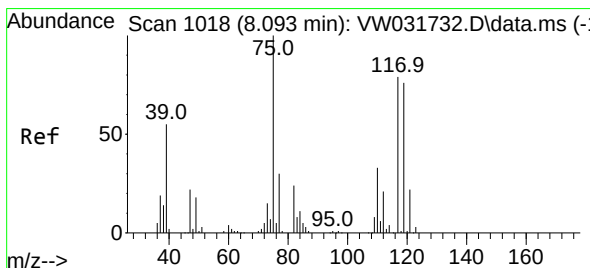
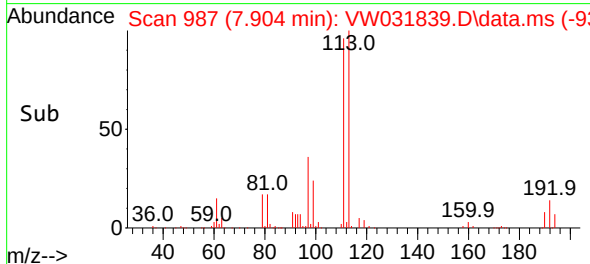
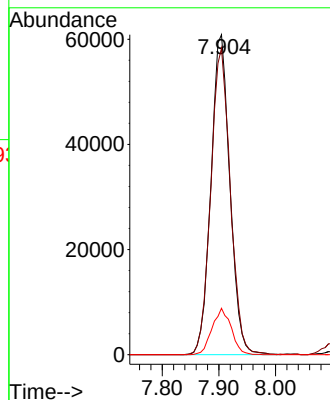
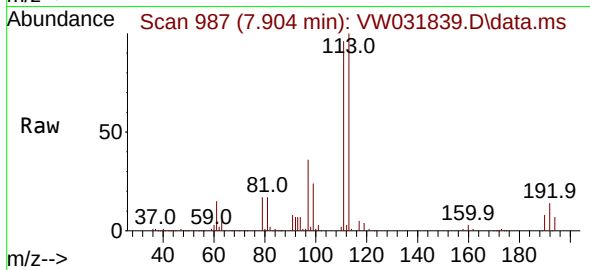
#35
Dibromofluoromethane
Concen: 51.674 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:113 Resp: 14148
Ion Ratio Lower Upper
113 100
111 98.4 82.1 123.1
192 14.6 13.8 20.6

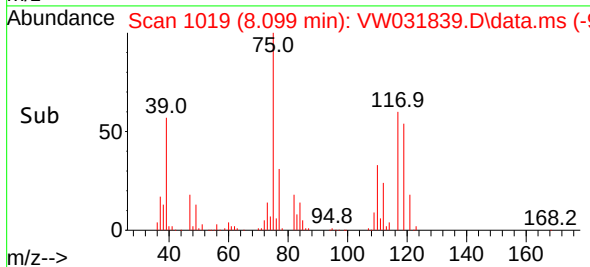
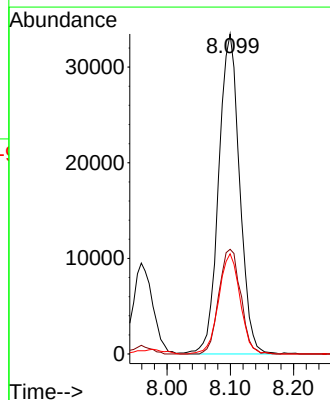
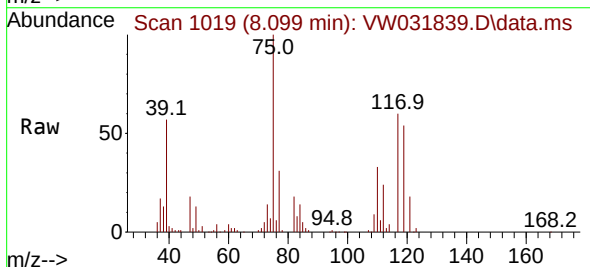
Manual Integrations
APPROVED

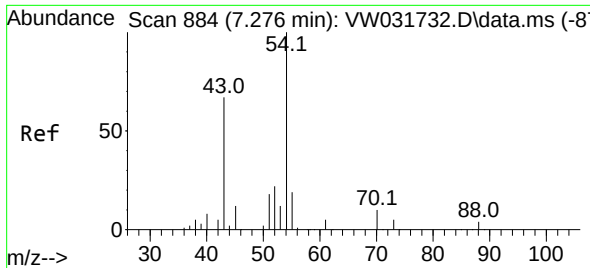
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#36
1,1-Dichloropropene
Concen: 19.421 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 75 Resp: 76947
Ion Ratio Lower Upper
75 100
110 33.9 16.8 50.4
77 32.0 25.0 37.6





#37

Ethyl Acetate

Concen: 20.398 ug/l

RT: 7.276 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

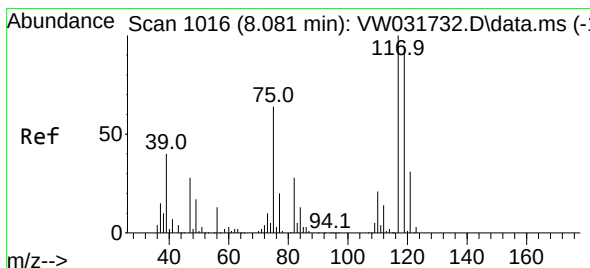
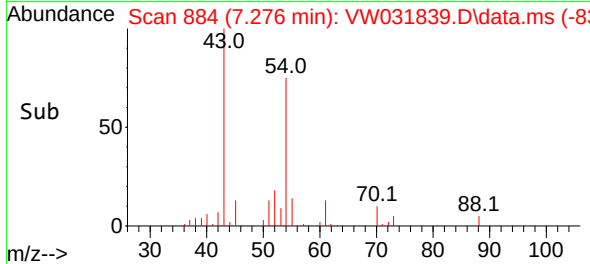
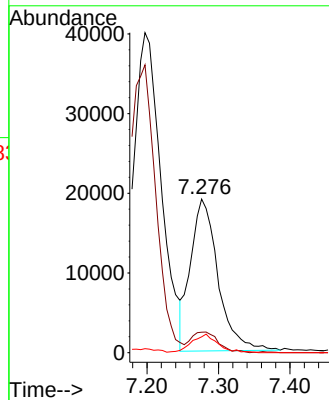
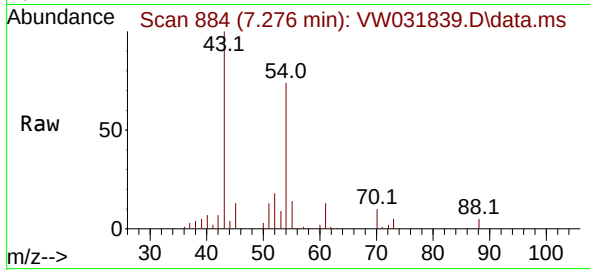
Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:	43	Resp:	5098
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.9	16.3
70	11.4	9.2	13.8

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

#38

Carbon Tetrachloride

Concen: 18.549 ug/l

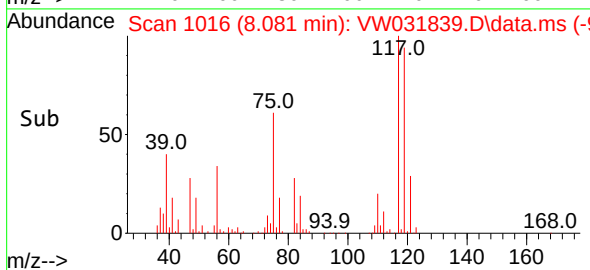
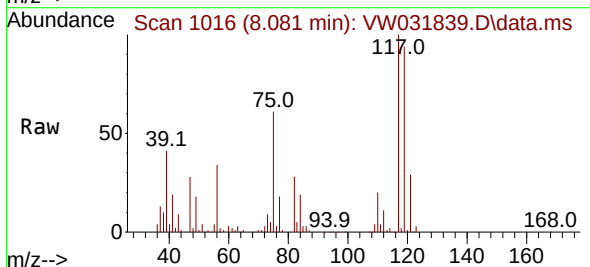
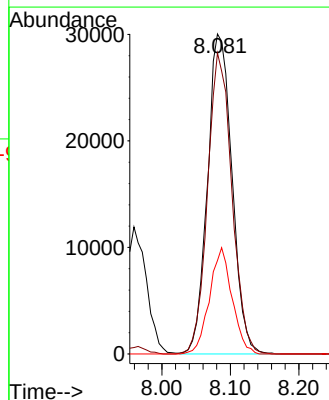
RT: 8.081 min Scan# 1016

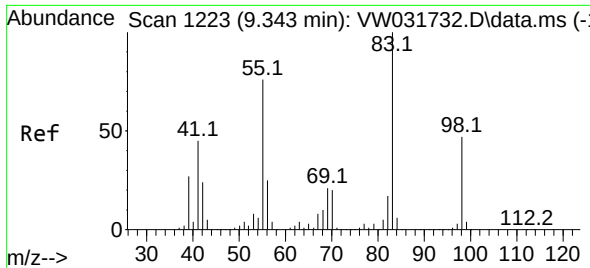
Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion:	117	Resp:	74893
Ion Ratio	Lower	Upper	
117	100		
119	94.0	75.0	112.6
121	29.2	24.6	37.0





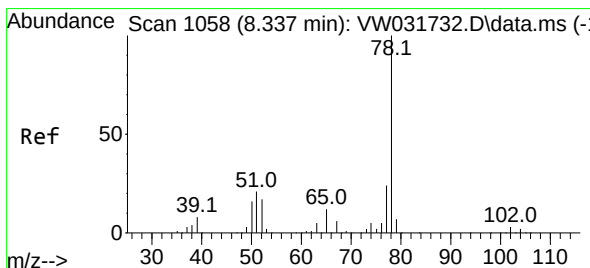
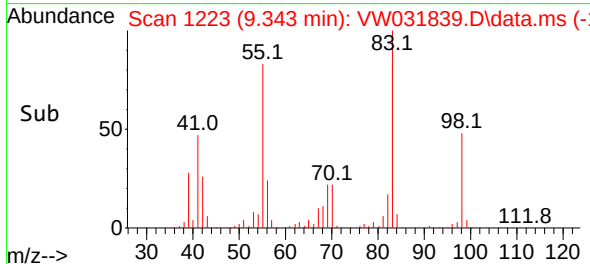
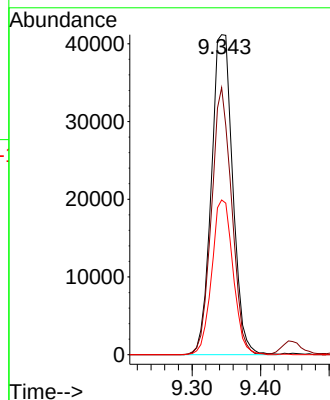
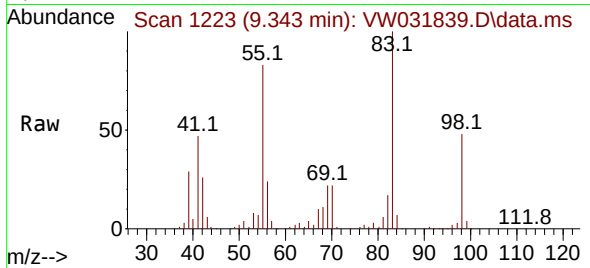
#39
Methylcyclohexane
Concen: 18.133 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 83 Resp: 8938
Ion Ratio Lower Upper
83 100
55 83.5 61.0 91.4
98 48.4 37.9 56.9

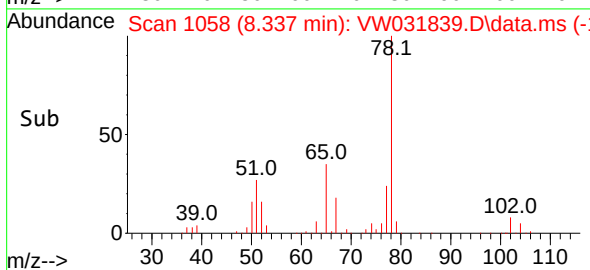
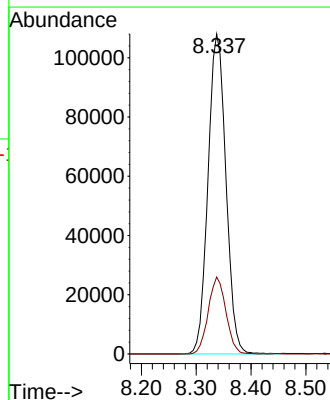
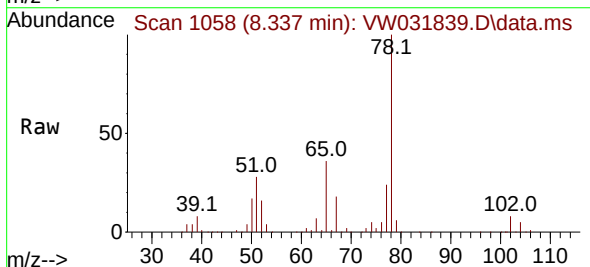
Manual Integrations
APPROVED

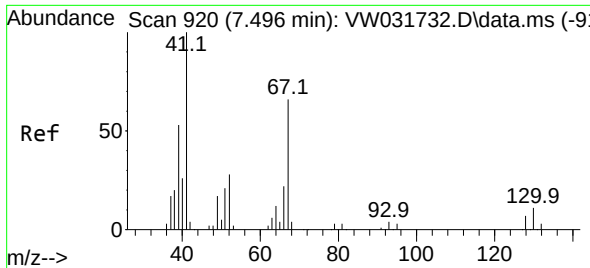
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#40
Benzene
Concen: 20.861 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 78 Resp: 244539
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





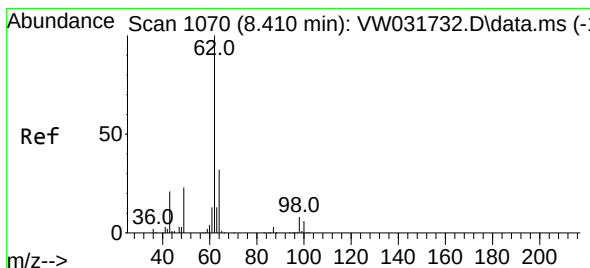
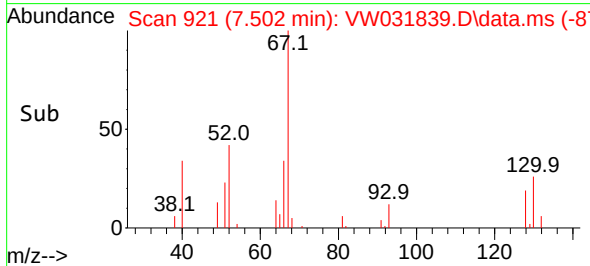
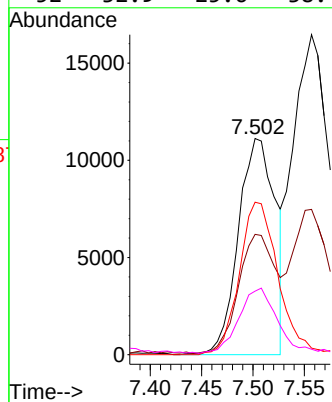
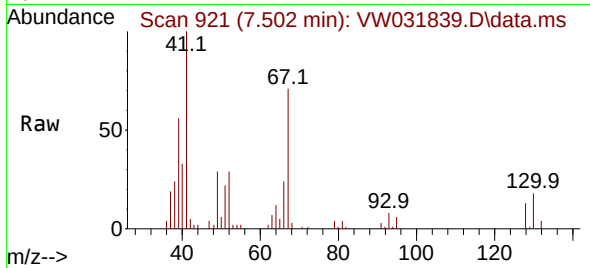
#41
Methacrylonitrile
Concen: 20.819 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 41 Resp: 2787
Ion Ratio Lower Upper
41 100
39 55.1 43.2 64.8
67 74.8 58.1 87.1
52 32.9 25.6 38.4

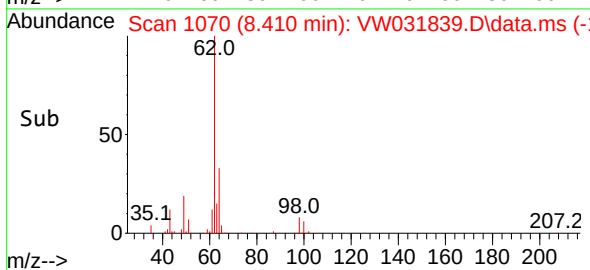
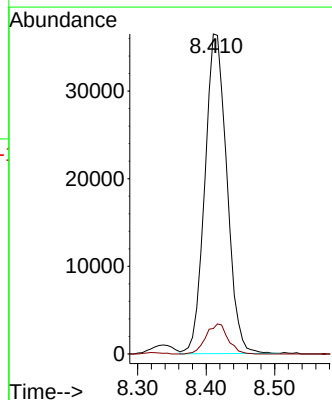
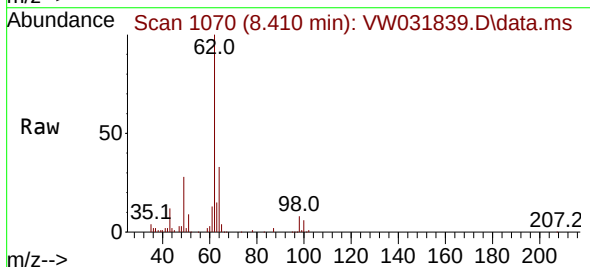
Manual Integrations
APPROVED

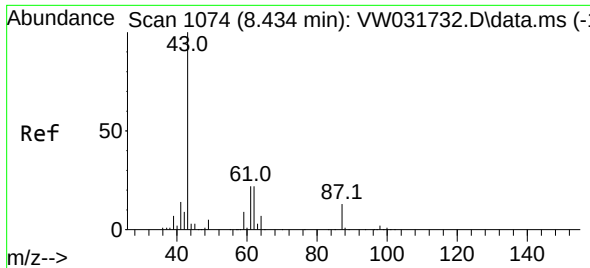
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#42
1,2-Dichloroethane
Concen: 20.565 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

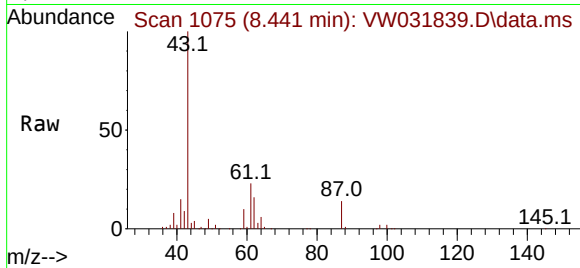
Tgt Ion: 62 Resp: 81454
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.2





#43
Isopropyl Acetate
Concen: 20.374 ug/l
RT: 8.441 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

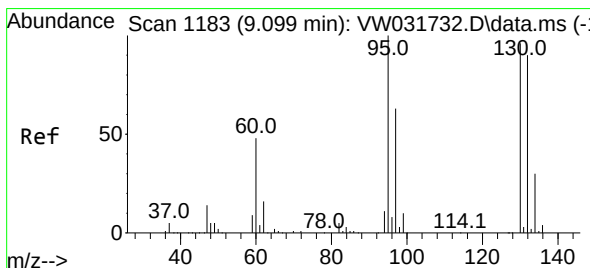
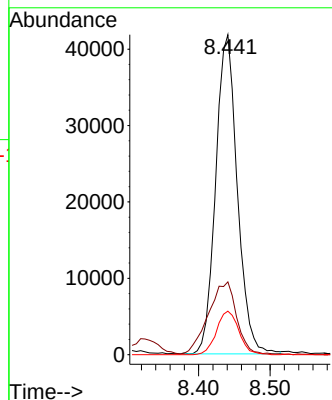
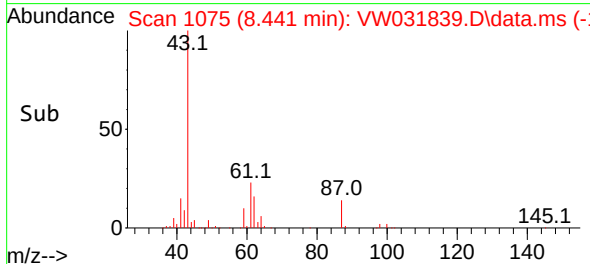
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 43 Resp: 87779
Ion Ratio Lower Upper
43 100
61 30.0 23.1 34.7
87 14.1 10.8 16.2

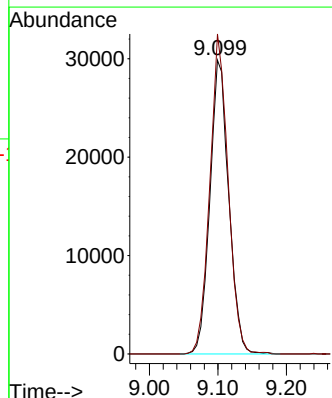
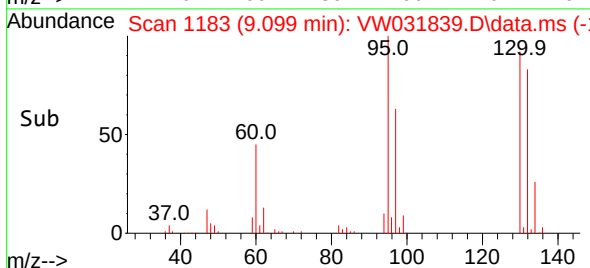
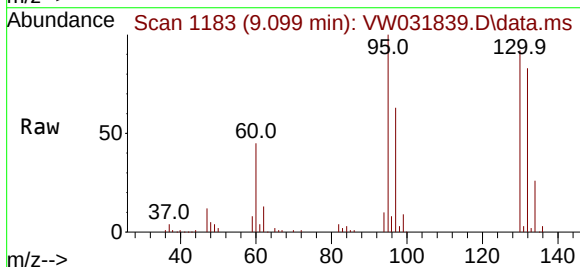
Manual Integrations
APPROVED

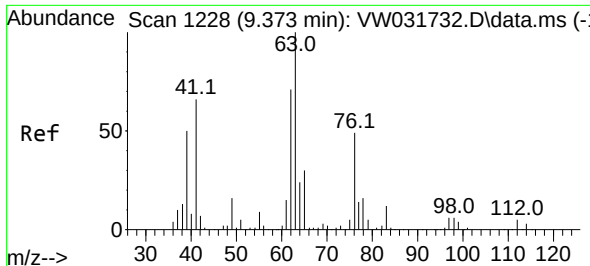
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#44
Trichloroethene
Concen: 19.486 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:130 Resp: 57013
Ion Ratio Lower Upper
130 100
95 109.0 0.0 208.6





#45

1,2-Dichloropropane

Concen: 20.457 ug/l

RT: 9.380 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 63 Resp: 5795

Ion Ratio Lower Upper

63 100

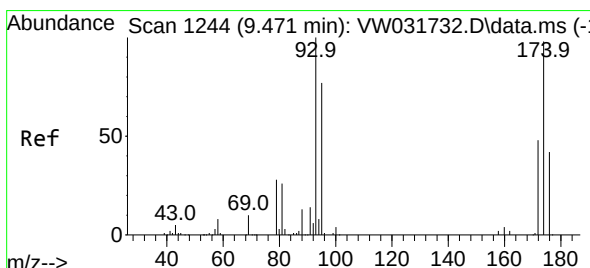
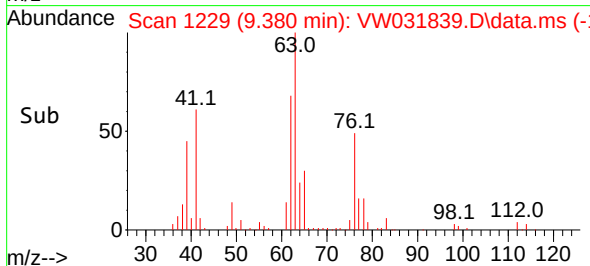
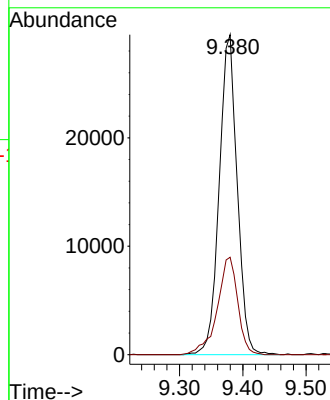
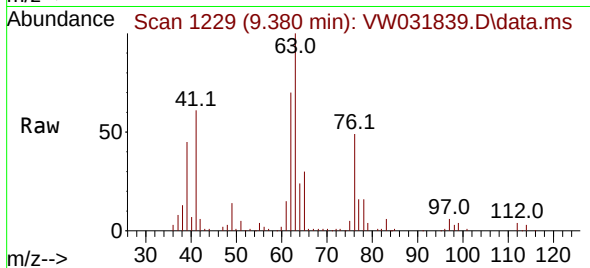
65 30.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#46

Dibromomethane

Concen: 20.637 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

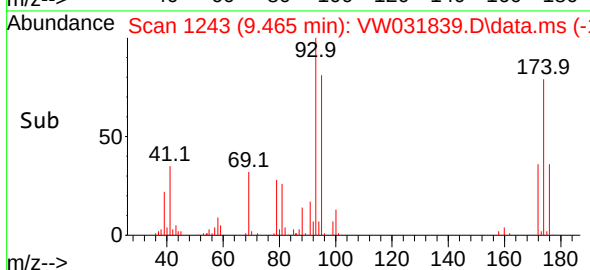
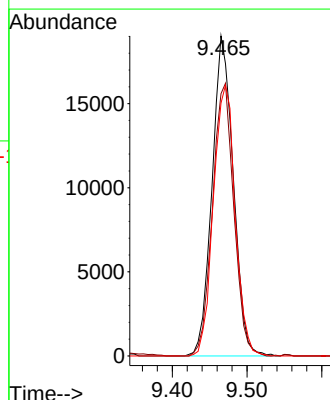
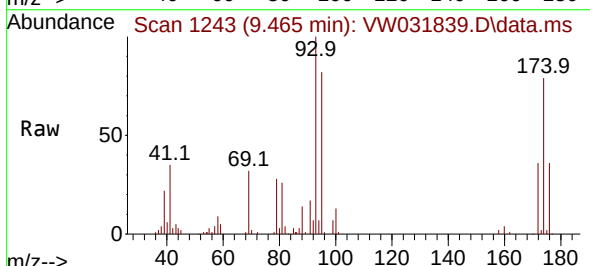
Tgt Ion: 93 Resp: 37747

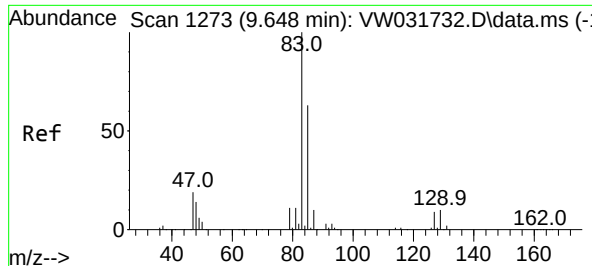
Ion Ratio Lower Upper

93 100

95 85.4 67.0 100.4

174 86.4 71.7 107.5





#47

Bromodichloromethane

Concen: 20.783 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

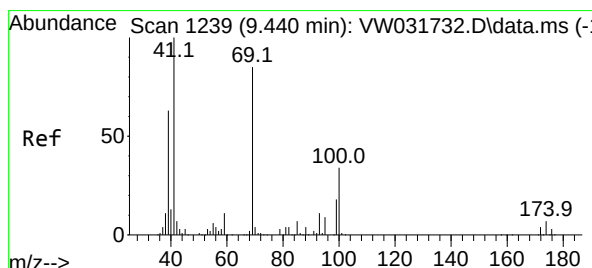
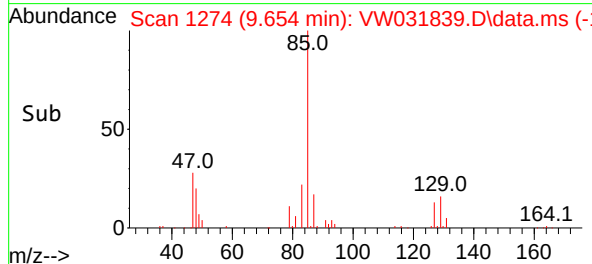
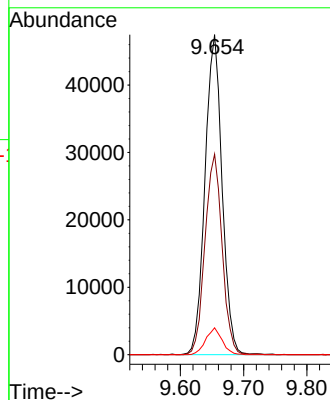
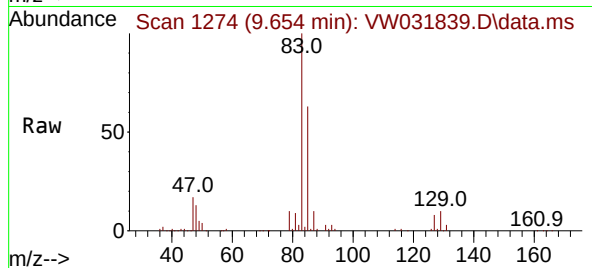
ClientSampleId :

VW0714SBS01

Tgt Ion:	83	Resp:	8914
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.8	76.2
127	8.4	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#48

Methyl methacrylate

Concen: 20.309 ug/l

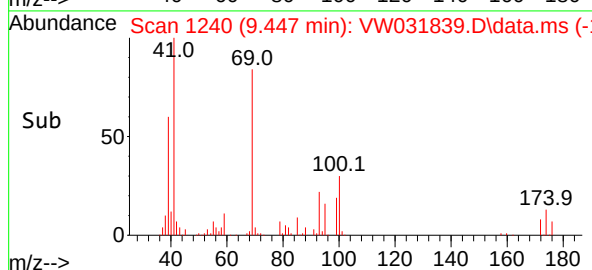
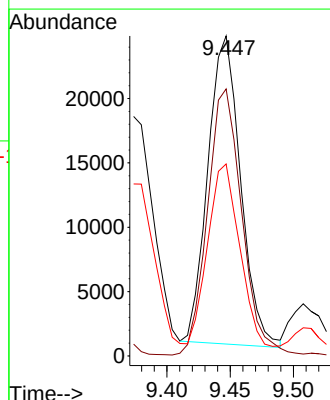
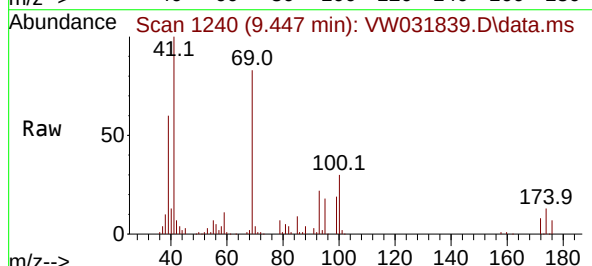
RT: 9.447 min Scan# 1240

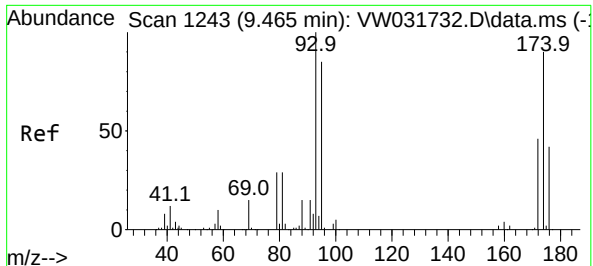
Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

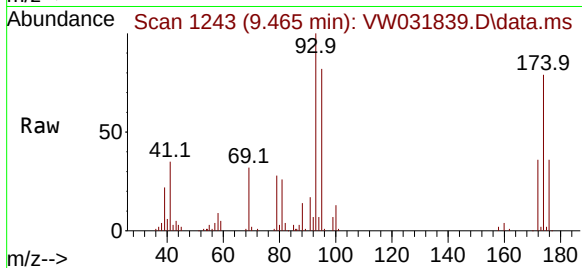
Tgt Ion:	41	Resp:	43023
Ion Ratio	Lower	Upper	
41	100		
69	91.0	71.6	107.4
39	57.8	49.5	74.3





#49
1,4-Dioxane
Concen: 431.465 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

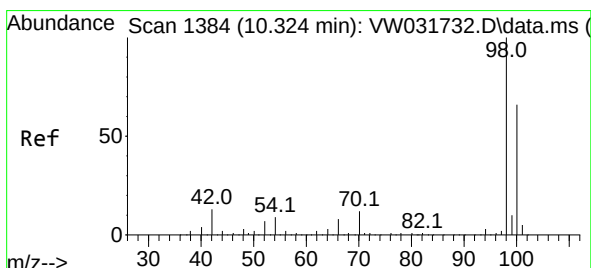
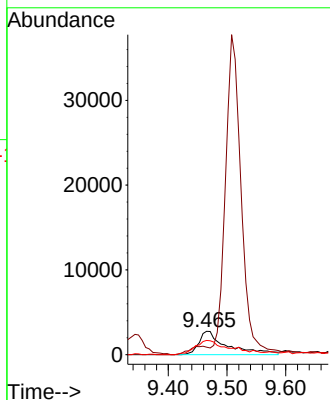
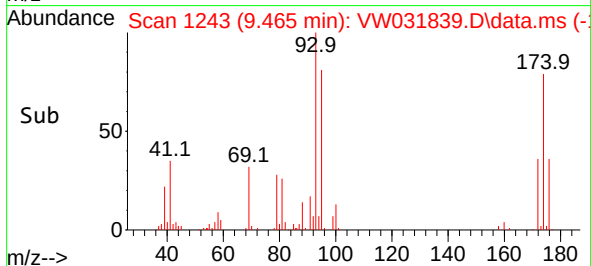
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



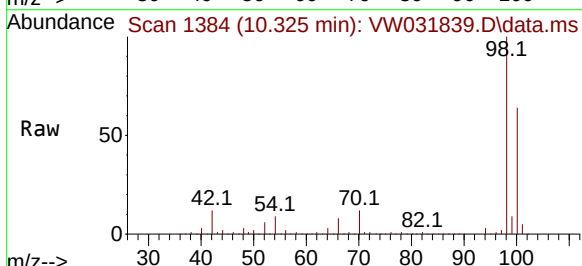
Tgt Ion: 88 Resp: 924
Ion Ratio Lower Upper
88 100
43 25.7 0.0 0.0
58 69.2 58.3 87.5

Manual Integrations
APPROVED

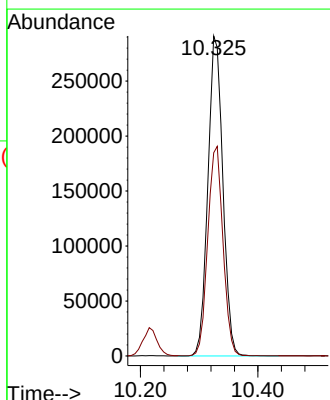
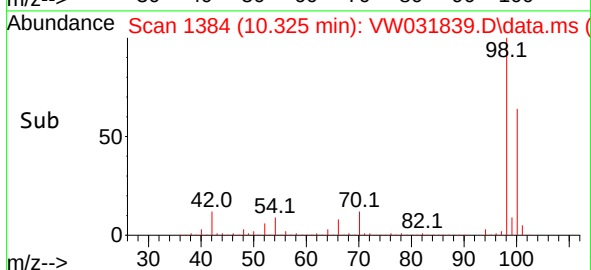
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

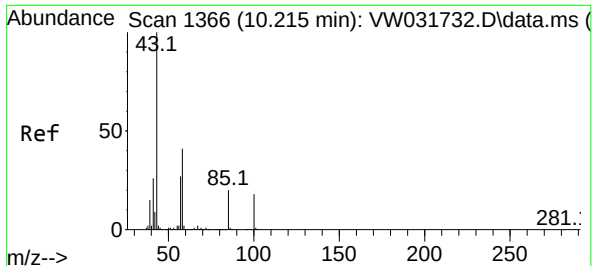


#50
Toluene-d8
Concen: 50.505 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



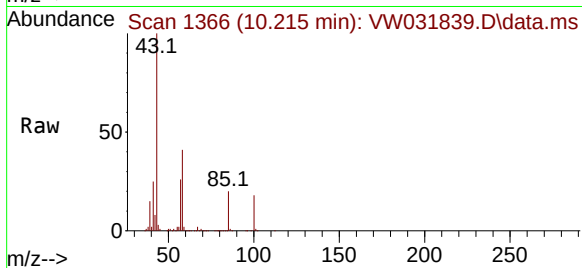
Tgt Ion: 98 Resp: 514621
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 103.684 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

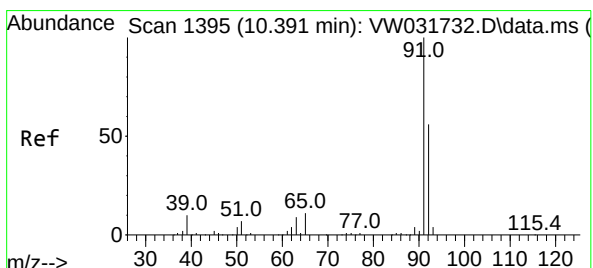
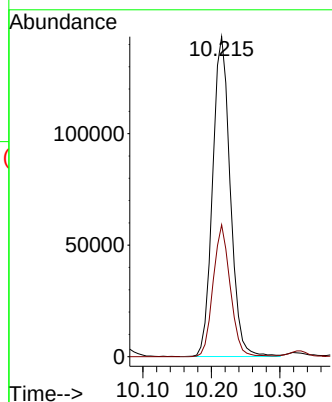
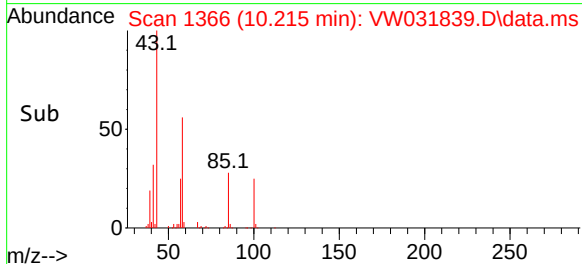
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



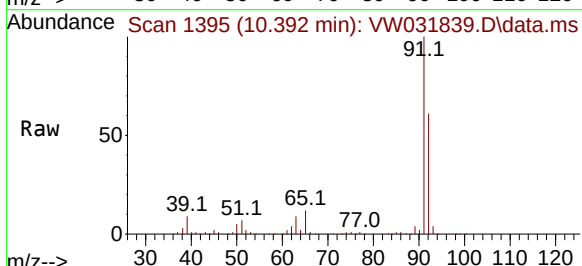
Tgt Ion: 43 Resp: 256818
Ion Ratio Lower Upper
43 100
58 40.1 32.2 48.2

Manual Integrations
APPROVED

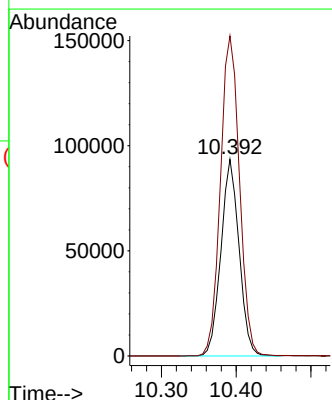
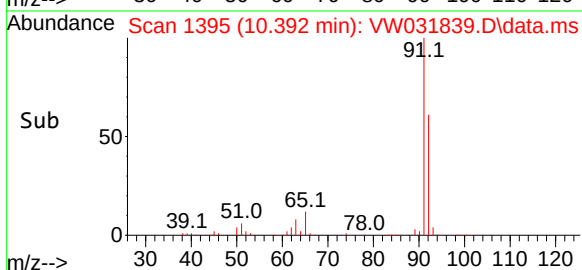
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

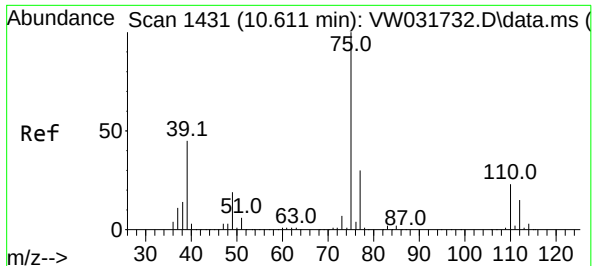


#52
Toluene
Concen: 21.053 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



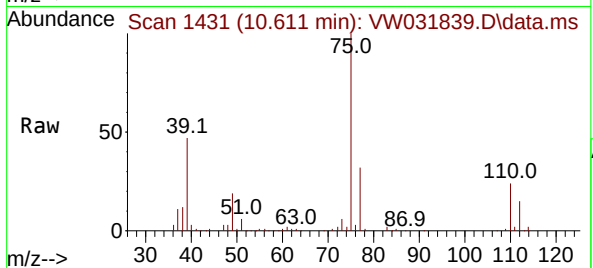
Tgt Ion: 92 Resp: 158007
Ion Ratio Lower Upper
92 100
91 171.1 139.5 209.3





#53
t-1,3-Dichloropropene
Concen: 21.011 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

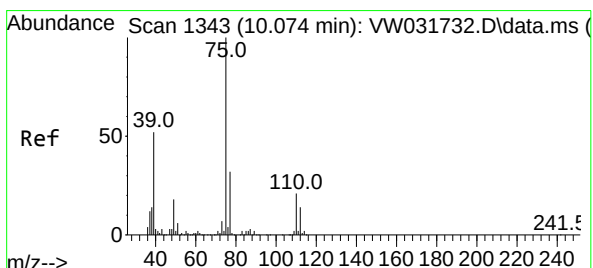
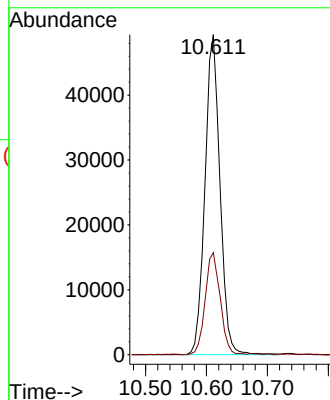
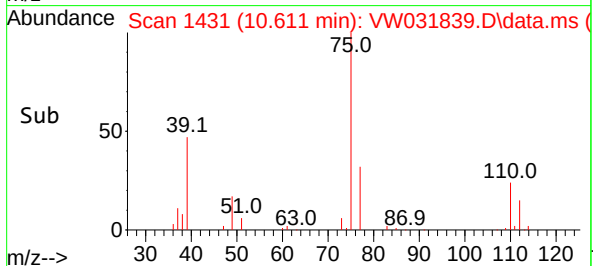
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion: 75 Resp: 8455
Ion Ratio Lower Upper
75 100
77 31.8 24.3 36.5

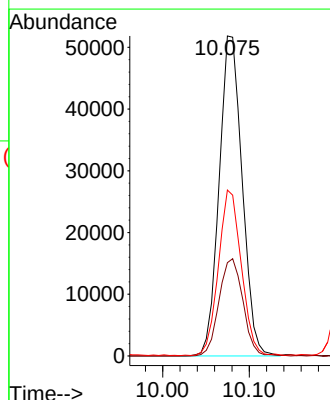
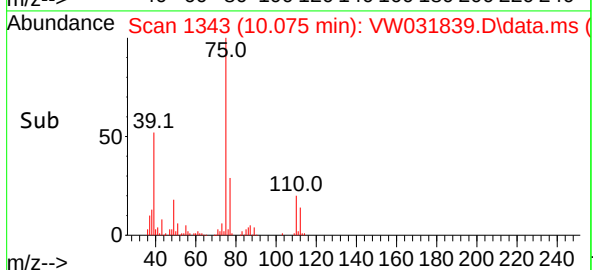
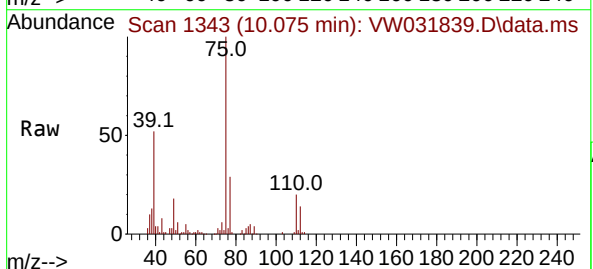
Manual Integrations
APPROVED

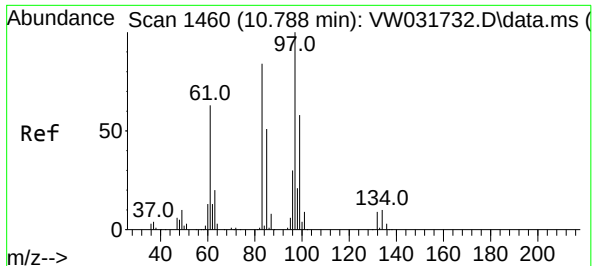
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#54
cis-1,3-Dichloropropene
Concen: 20.992 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

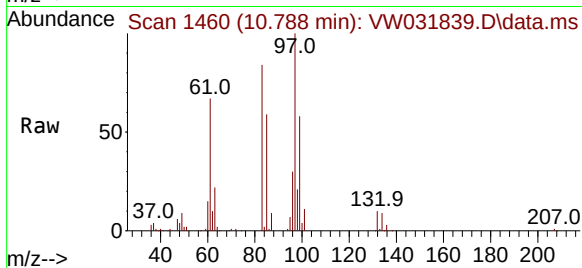
Tgt Ion: 75 Resp: 95766
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2
39 51.7 41.8 62.6





#55
1,1,2-Trichloroethane
Concen: 20.983 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

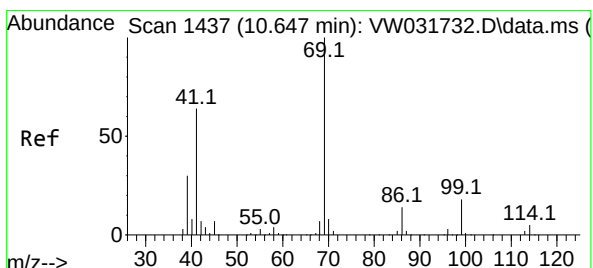
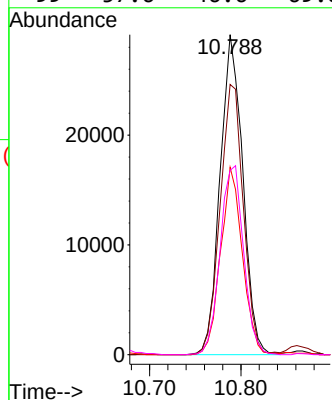
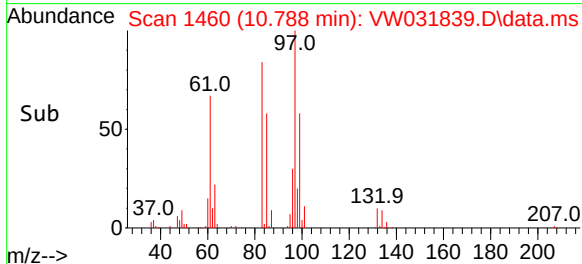
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



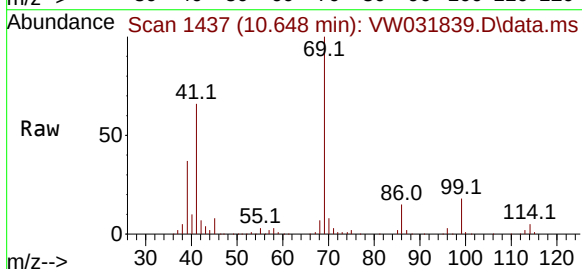
Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.9	100.3
85	58.5	41.1	61.7
99	57.6	46.6	69.8

Manual Integrations
APPROVED

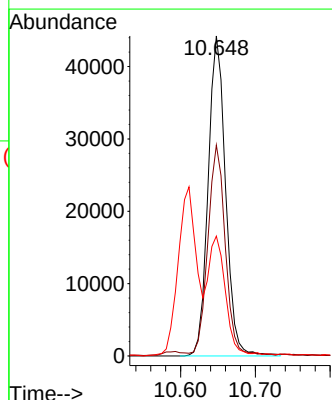
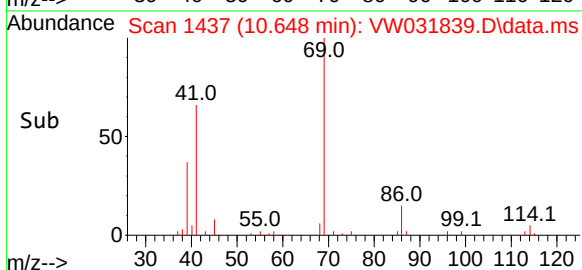
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

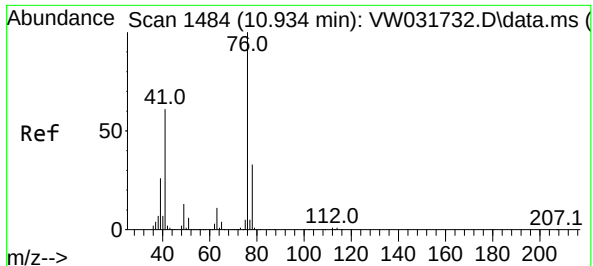


#56
Ethyl methacrylate
Concen: 22.056 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.3	79.9
39	35.7	30.2	45.2





#57

1,3-Dichloropropane

Concen: 21.398 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 76 Resp: 90014

Ion Ratio Lower Upper

76 100

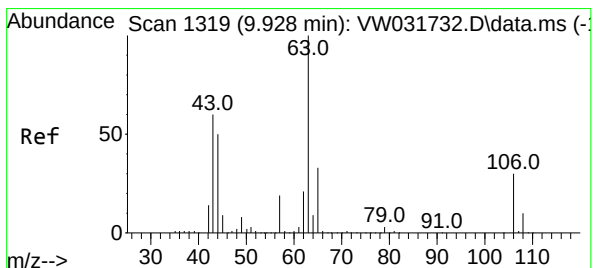
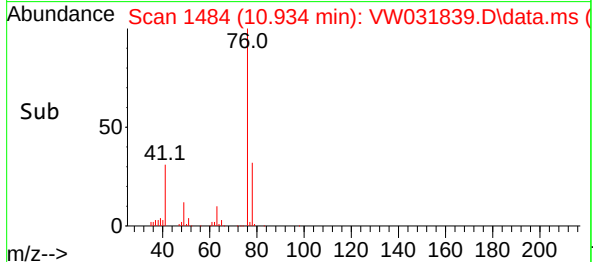
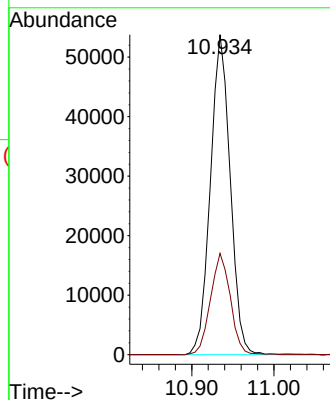
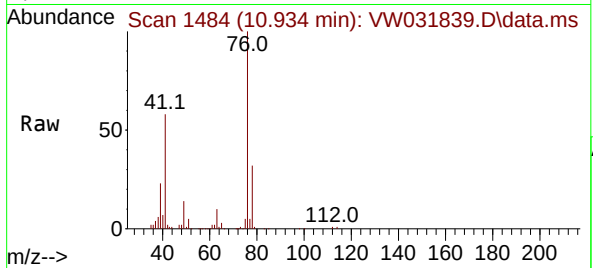
78 31.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 108.059 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031839.D

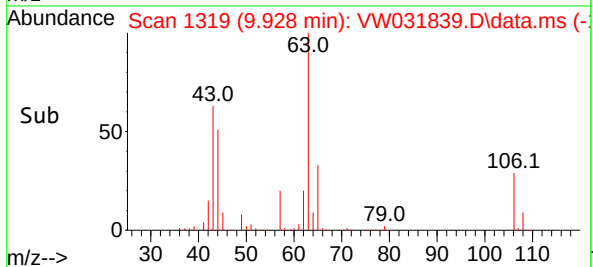
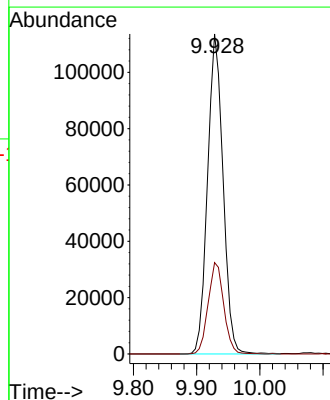
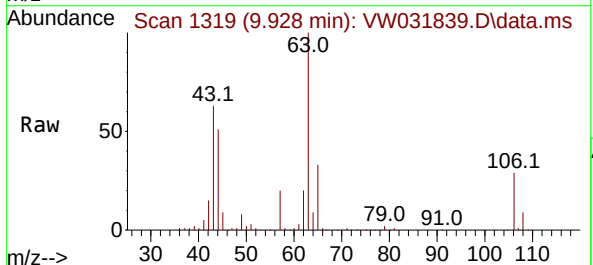
Acq: 14 Jul 2025 10:36

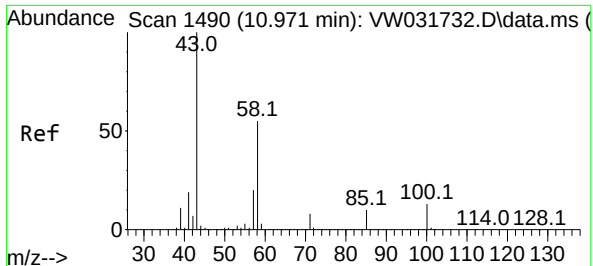
Tgt Ion: 63 Resp: 193414

Ion Ratio Lower Upper

63 100

106 28.8 24.1 36.1





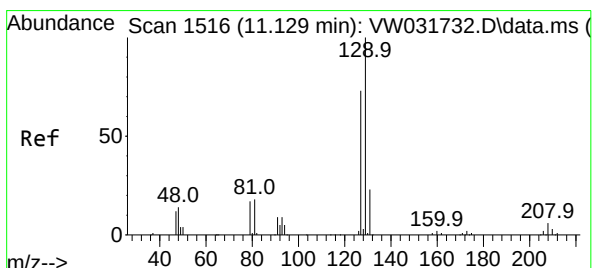
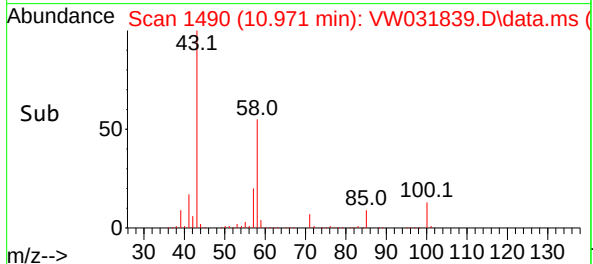
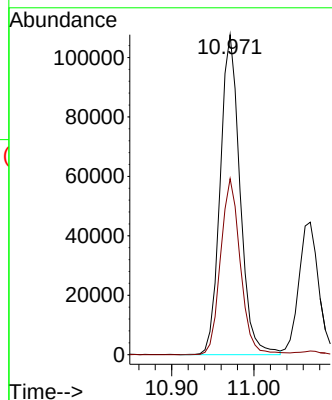
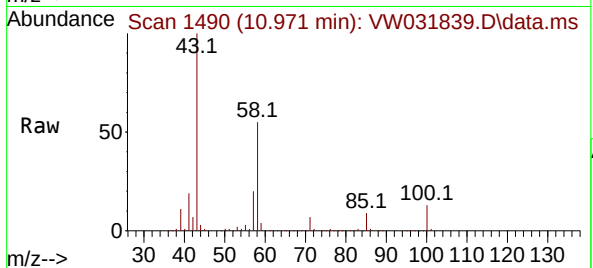
#59
2-Hexanone
Concen: 107.289 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 43 Resp: 18008
Ion Ratio Lower Upper
43 100
58 55.0 27.9 83.6

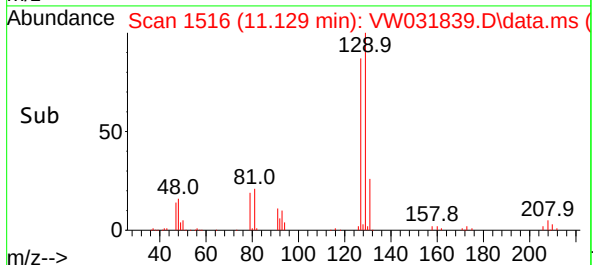
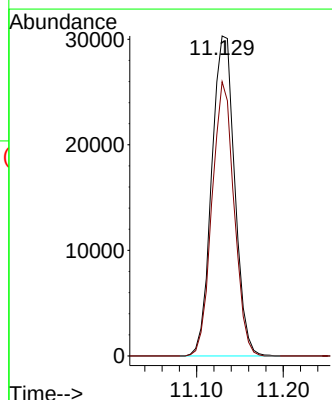
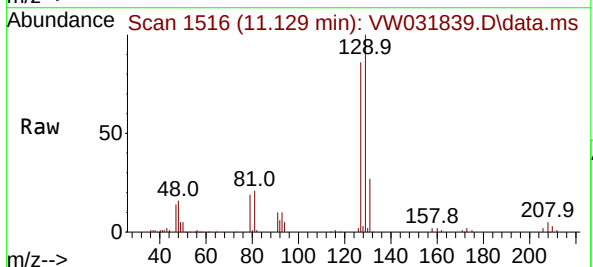
Manual Integrations
APPROVED

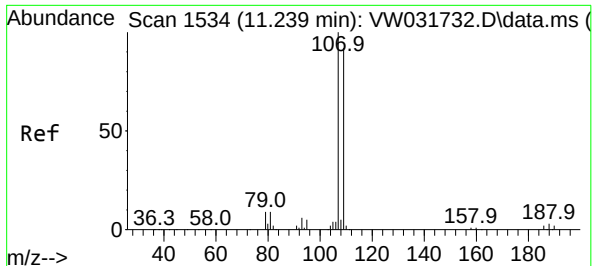
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#60
Dibromochloromethane
Concen: 19.523 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

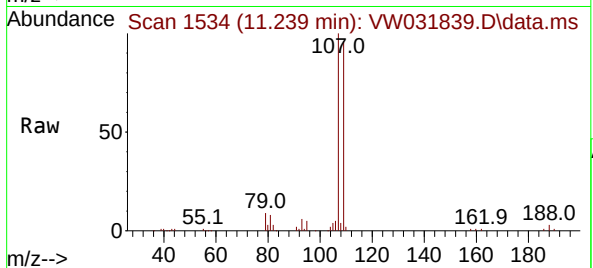
Tgt Ion:129 Resp: 55936
Ion Ratio Lower Upper
129 100
127 82.0 38.0 114.1





#61
1,2-Dibromoethane
Concen: 20.843 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

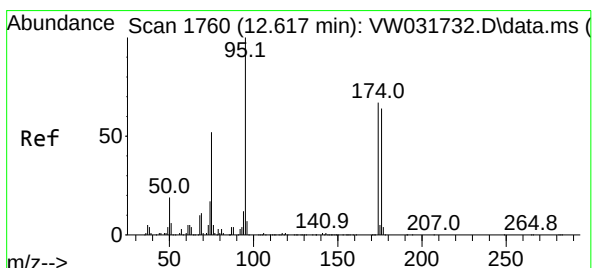
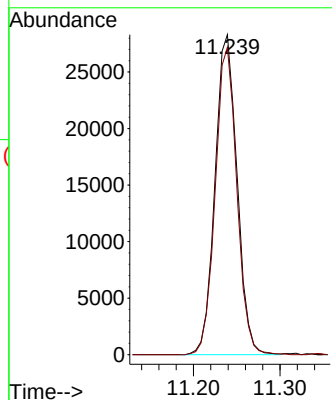
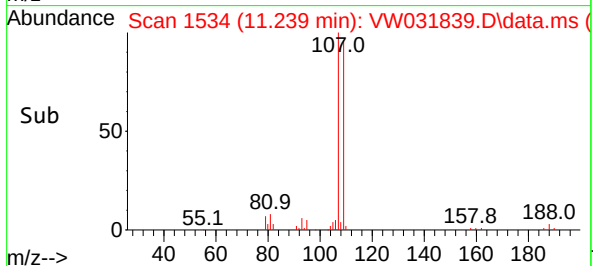
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:107 Resp: 49994
Ion Ratio Lower Upper
107 100
109 94.1 73.9 110.9

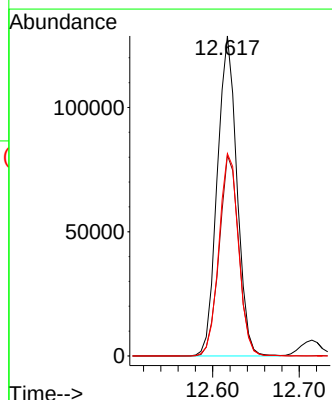
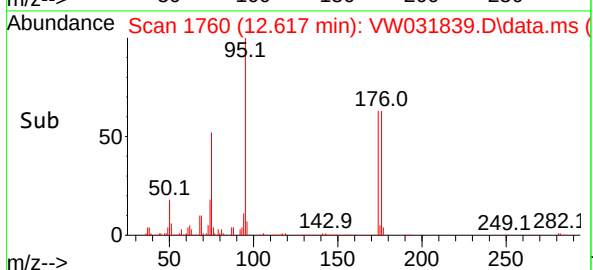
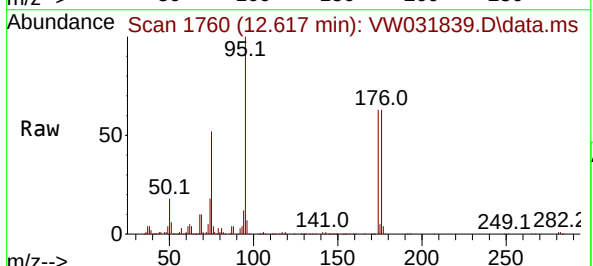
Manual Integrations
APPROVED

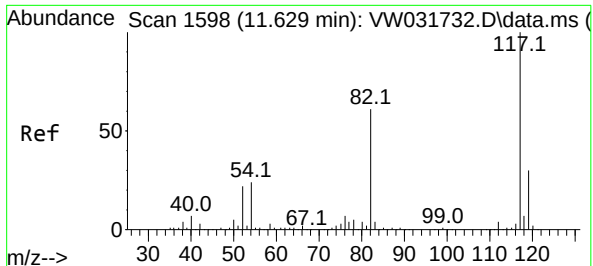
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#62
4-Bromofluorobenzene
Concen: 54.118 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 95 Resp: 202927
Ion Ratio Lower Upper
95 100
174 62.3 0.0 133.8
176 63.1 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:117 Resp: 38363

Ion Ratio Lower Upper

117 100

82 55.0 48.6 72.8

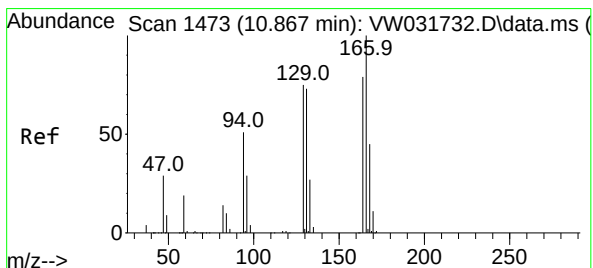
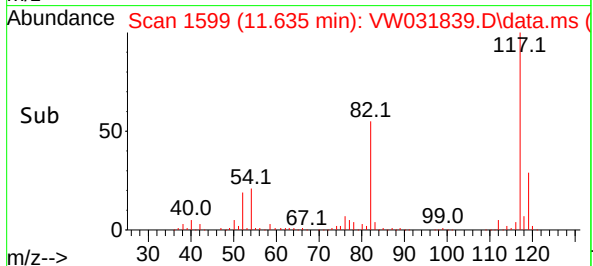
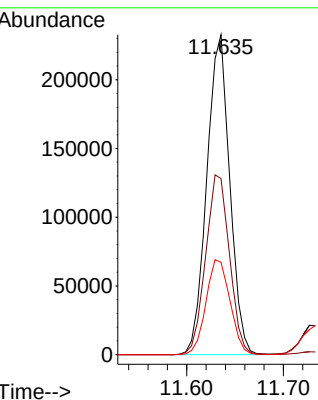
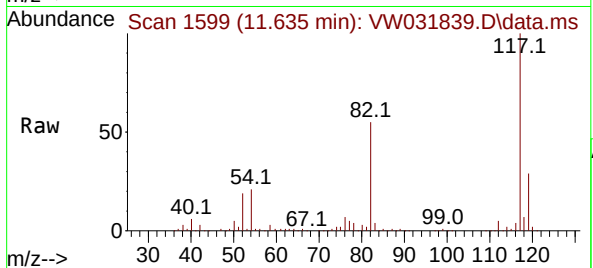
119 28.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#64

Tetrachloroethene

Concen: 17.320 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Tgt Ion:164 Resp: 43464

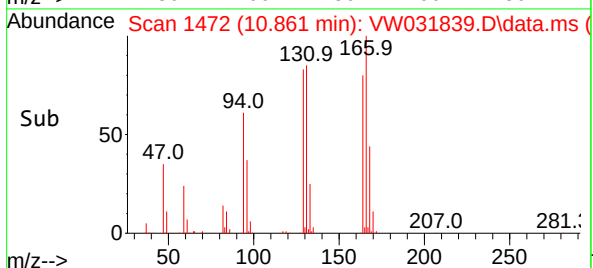
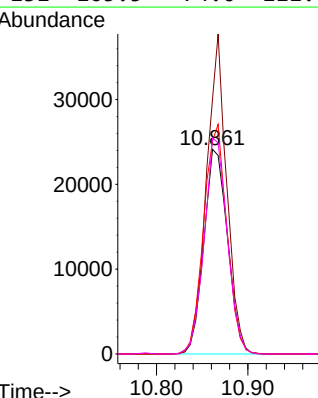
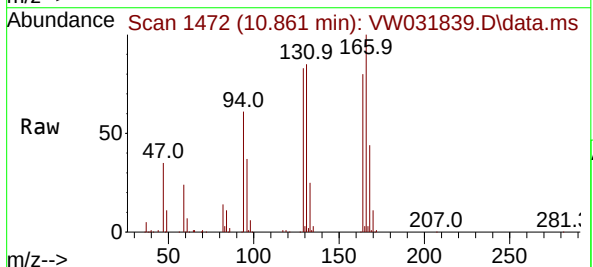
Ion Ratio Lower Upper

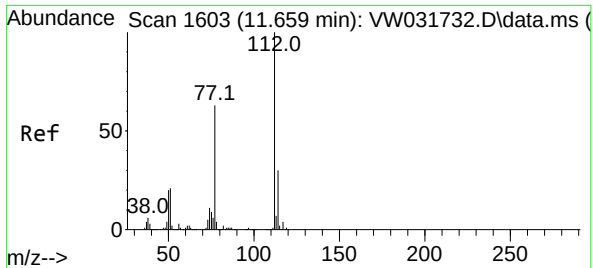
164 100

166 124.7 100.7 151.1

129 104.0 75.4 113.0

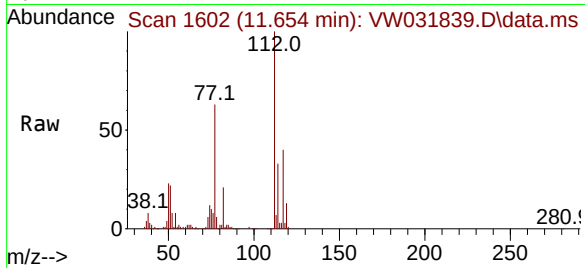
131 105.5 74.0 111.0





#65
Chlorobenzene
Concen: 19.724 ug/l
RT: 11.654 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

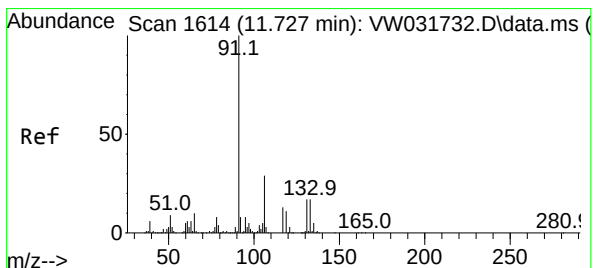
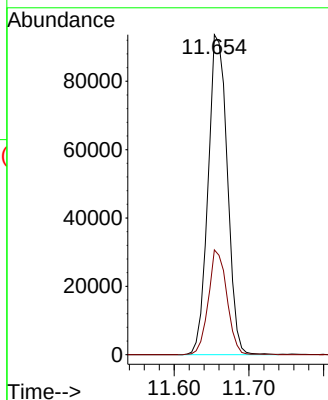
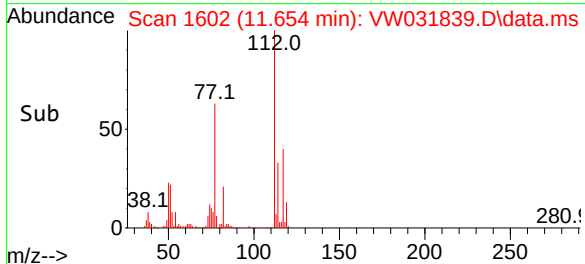
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



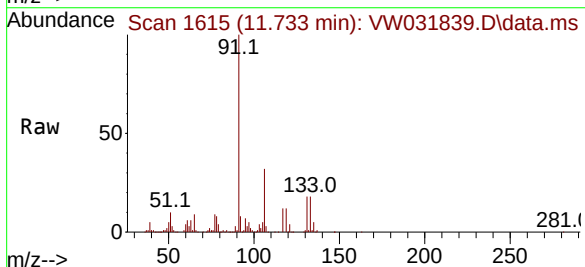
Tgt Ion:112 Resp: 166940
Ion Ratio Lower Upper
112 100
114 32.8 23.8 35.8

Manual Integrations
APPROVED

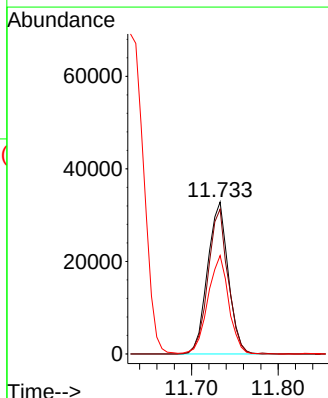
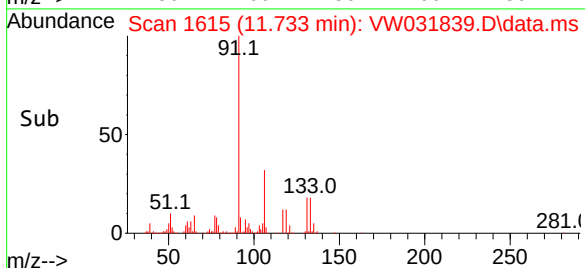
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

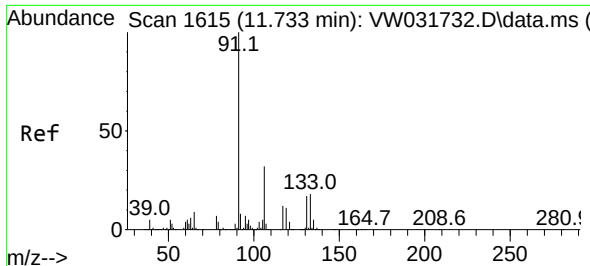


#66
1,1,1,2-Tetrachloroethane
Concen: 20.133 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion:131 Resp: 54305
Ion Ratio Lower Upper
131 100
133 92.2 48.5 145.6
119 65.5 32.5 97.5





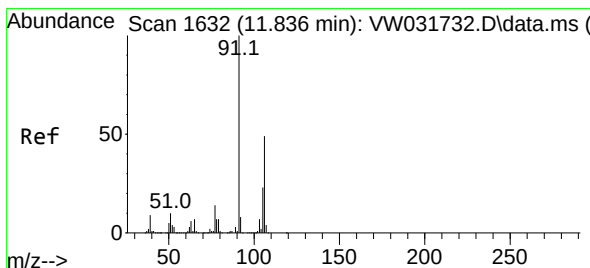
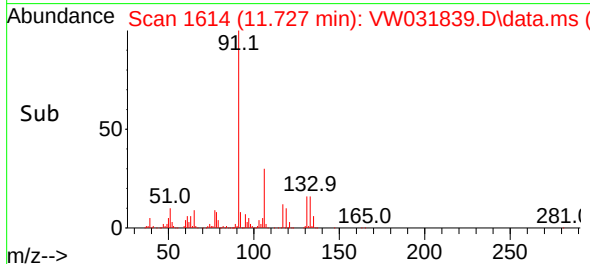
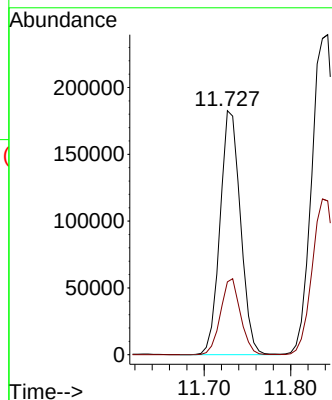
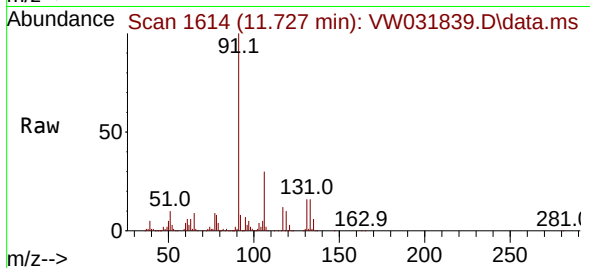
#67
Ethyl Benzene
Concen: 20.443 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 91 Resp: 300048
Ion Ratio Lower Upper
91 100
106 29.9 25.4 38.2

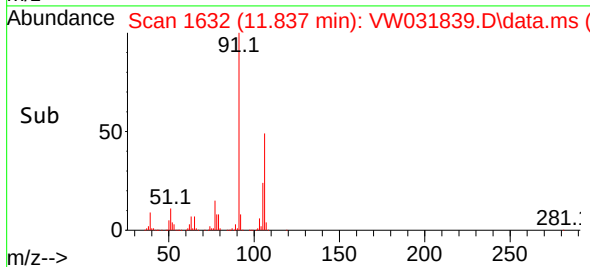
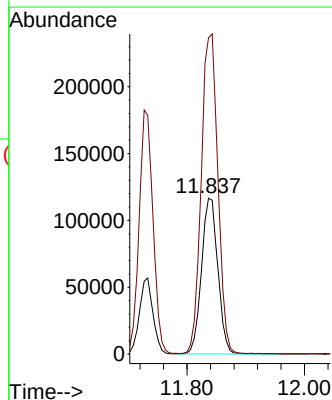
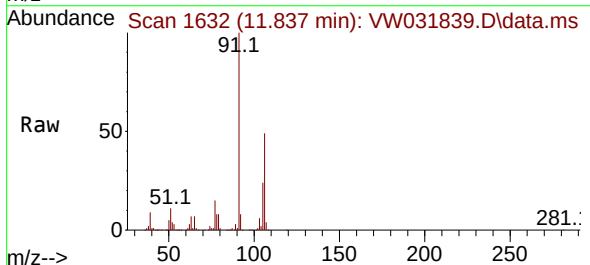
Manual Integrations
APPROVED

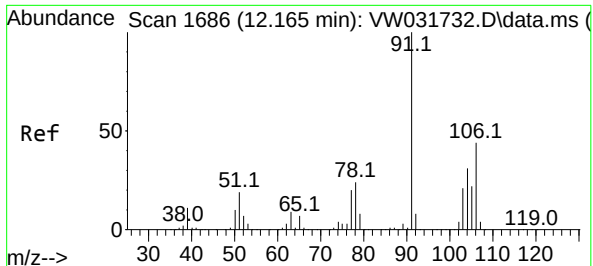
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#68
m/p-Xylenes
Concen: 39.799 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:106 Resp: 224555
Ion Ratio Lower Upper
106 100
91 209.3 166.4 249.6





#69

o-Xylene

Concen: 20.534 ug/l

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:106 Resp: 10727

Ion Ratio Lower Upper

106 100

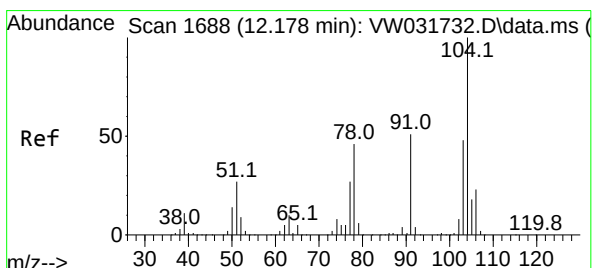
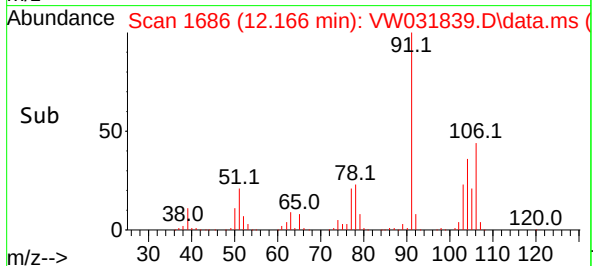
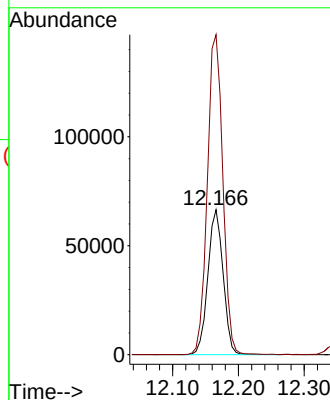
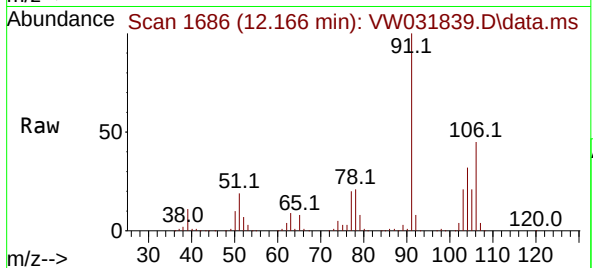
91 224.2 111.5 334.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#70

Styrene

Concen: 20.362 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

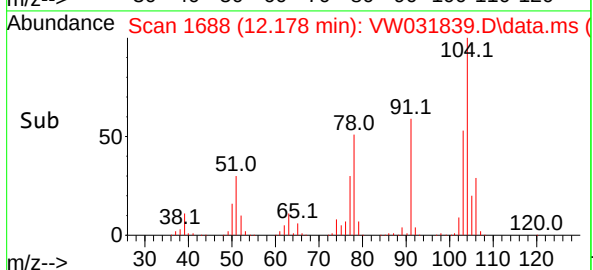
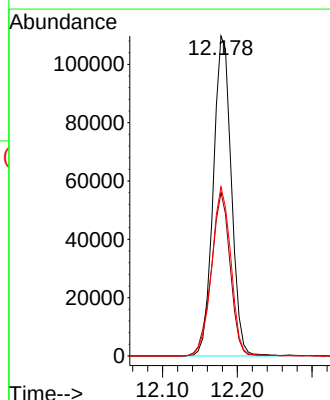
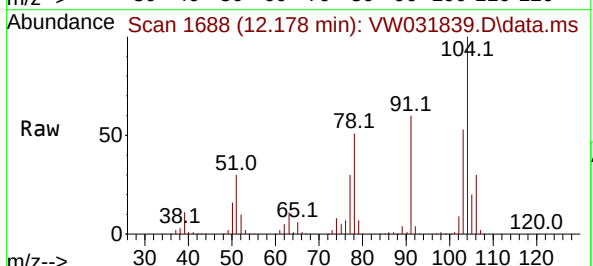
Tgt Ion:104 Resp: 183895

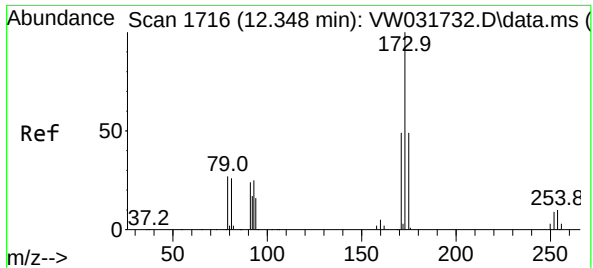
Ion Ratio Lower Upper

104 100

78 53.6 42.1 63.1

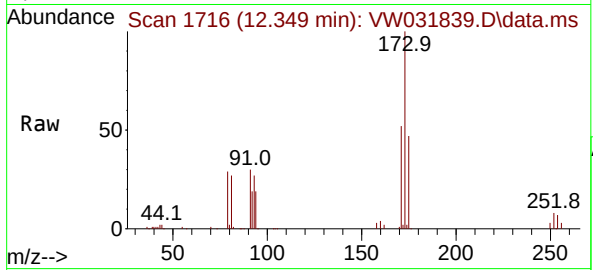
103 56.1 43.0 64.6





#71
Bromoform
Concen: 19.069 ug/l
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

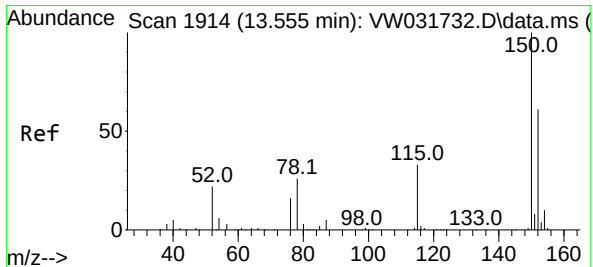
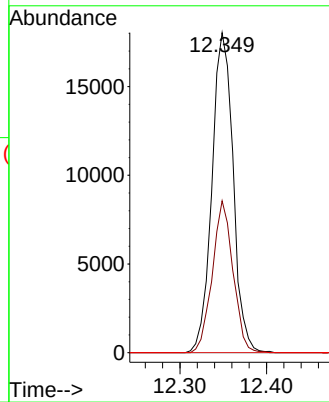
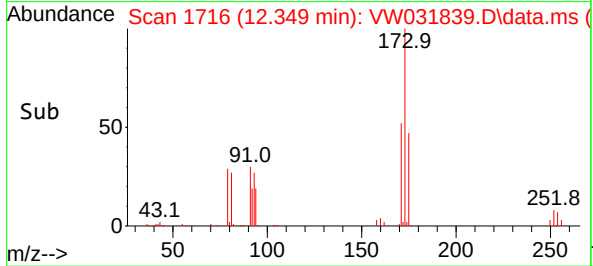
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



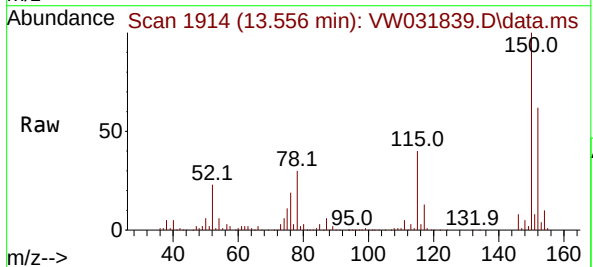
Tgt Ion:173 Resp: 30684
Ion Ratio Lower Upper
173 100
175 46.3 24.0 72.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

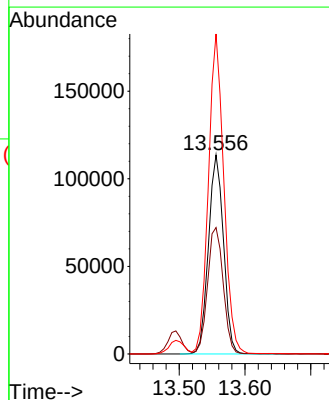
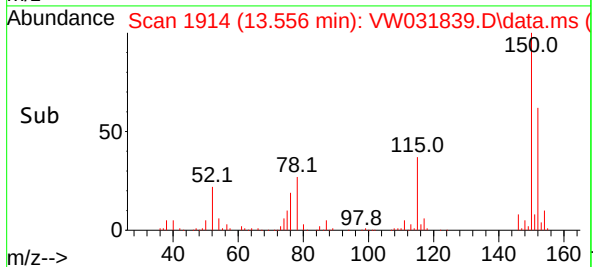
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

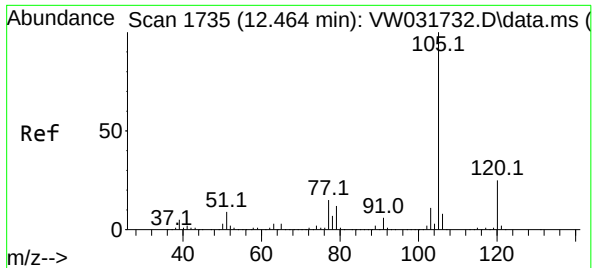


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



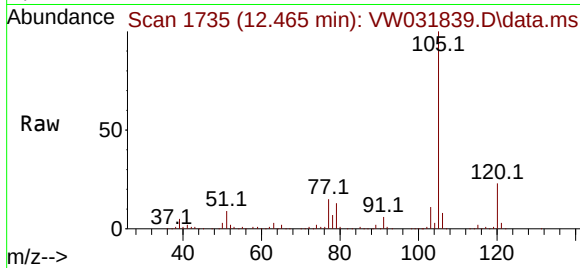
Tgt Ion:152 Resp: 180632
Ion Ratio Lower Upper
152 100
115 65.8 31.9 95.7
150 164.5 0.0 356.4





#73
Isopropylbenzene
Concen: 20.443 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

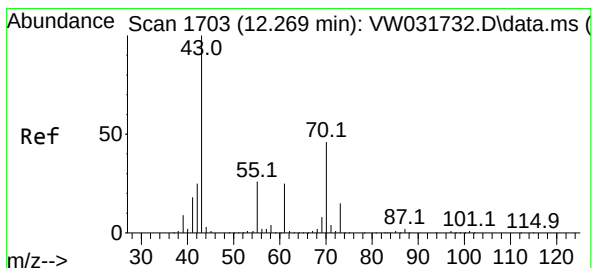
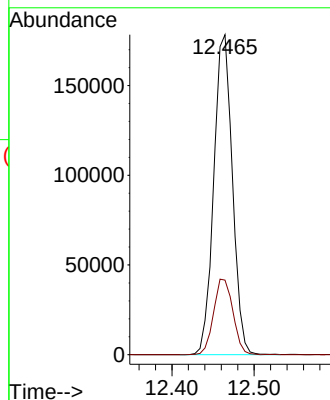
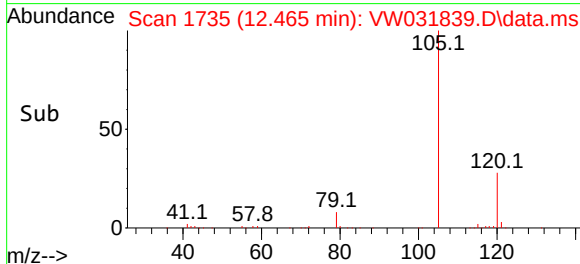
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



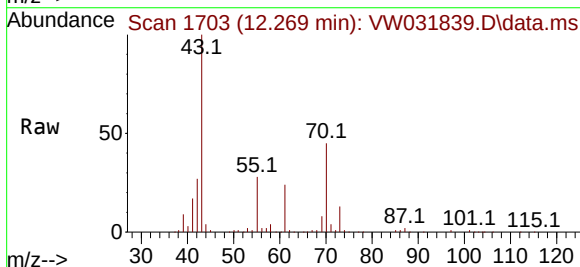
Tgt Ion: 105 Resp: 280880
Ion Ratio Lower Upper
105 100
120 24.5 12.8 38.4

Manual Integrations
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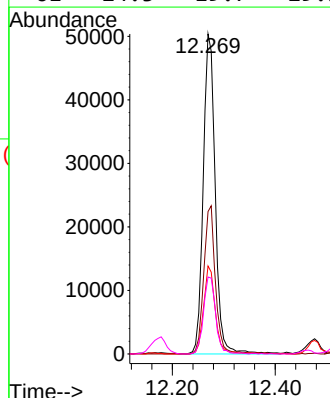
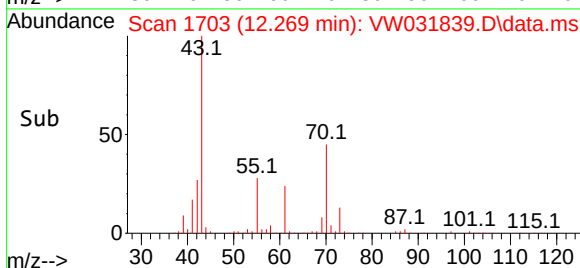
Reviewed By : Semsettin Yesilyurt 07/15/2025
Supervised By : Mahesh Dadoda 07/16/2025

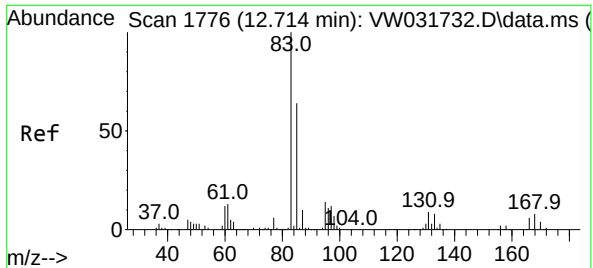


#74
N-ethyl acetate
Concen: 22.027 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion: 43 Resp: 81575
Ion Ratio Lower Upper
43 100
70 45.0 36.0 54.0
55 26.6 20.8 31.2
61 24.3 19.7 29.5





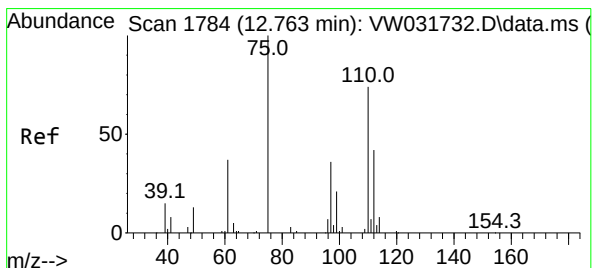
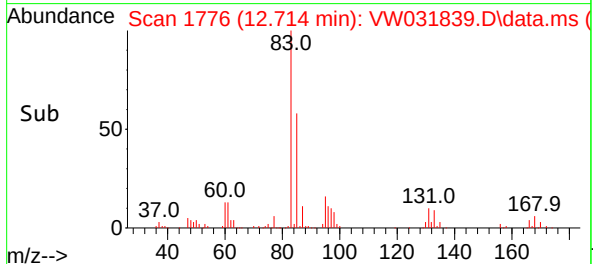
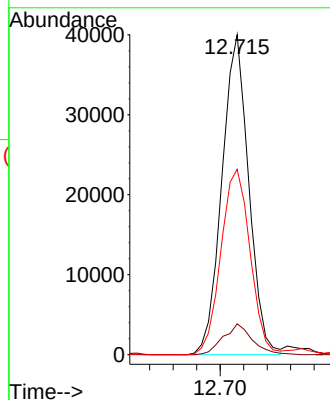
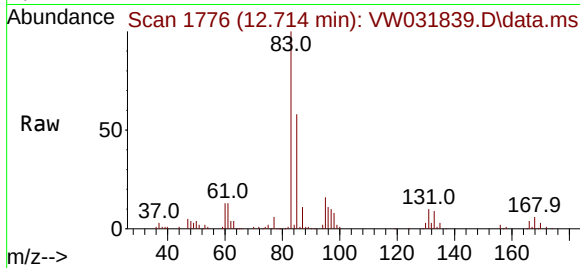
#75
1,1,2-Tetrachloroethane
Concen: 20.781 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 83 Resp: 6339
Ion Ratio Lower Upper
83 100
131 10.4 5.3 16.1
85 63.2 32.0 96.2

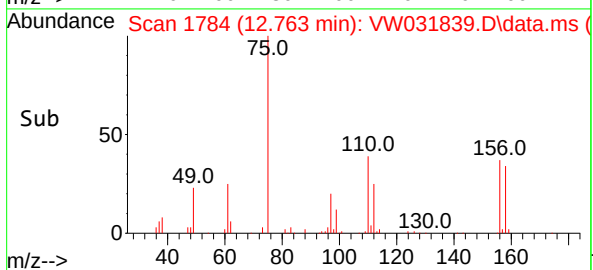
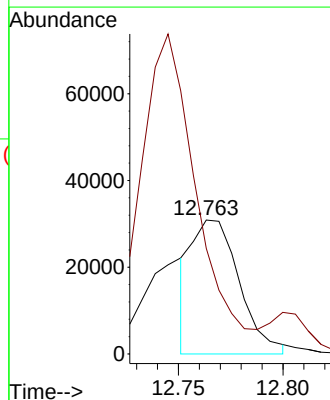
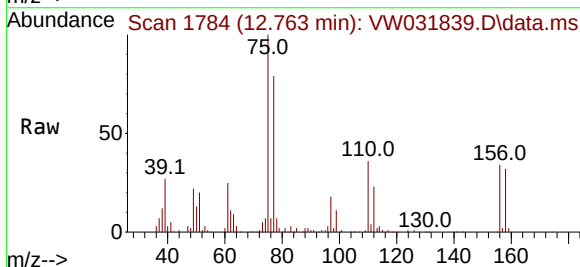
Manual Integrations
APPROVED

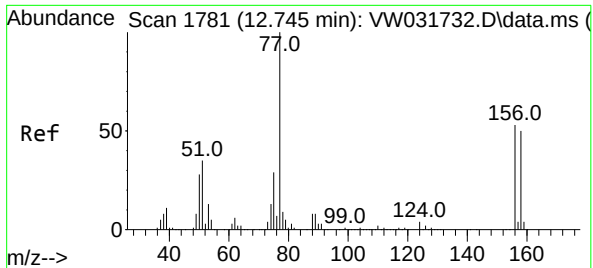
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#76
1,2,3-Trichloropropane
Concen: 20.984 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 75 Resp: 48982
Ion Ratio Lower Upper
75 100
77 283.1 141.2 423.6





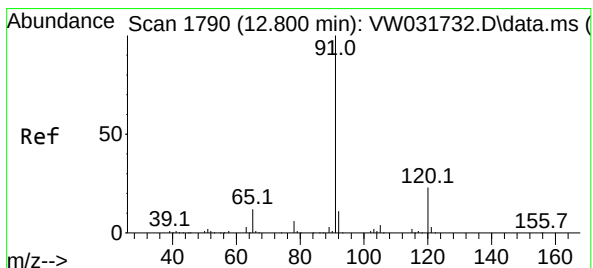
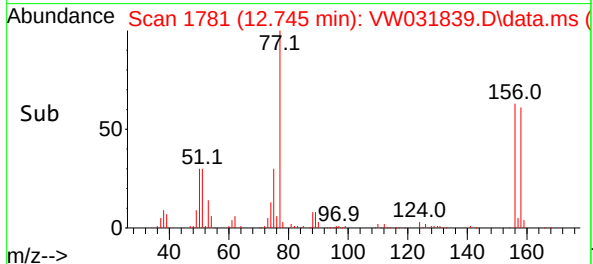
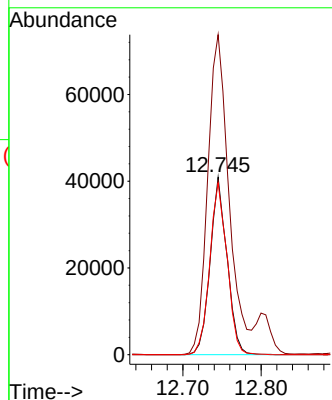
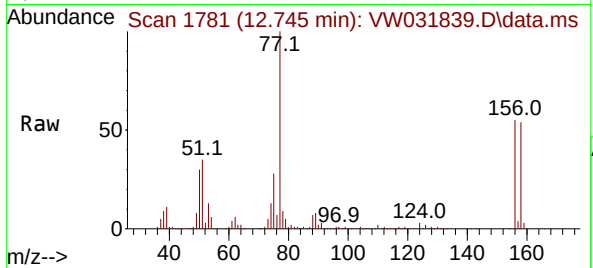
#77
Bromobenzene
Concen: 20.069 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion: 156 Resp: 61500
Ion Ratio Lower Upper
156 100
77 225.4 117.9 353.7
158 99.1 52.6 157.8

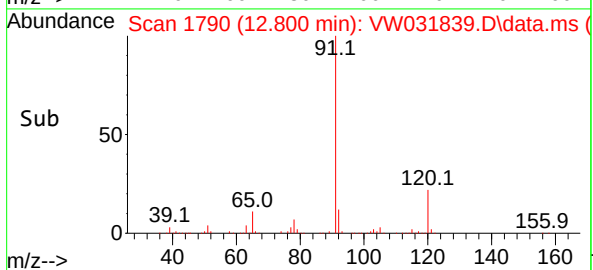
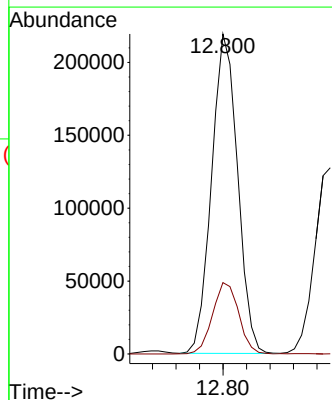
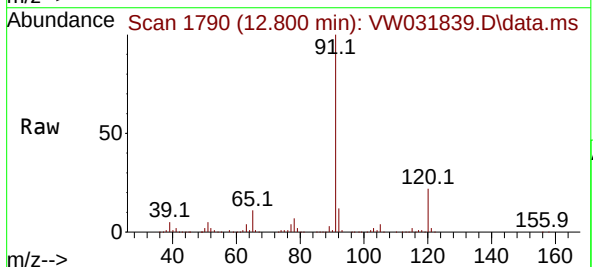
Manual Integrations
APPROVED

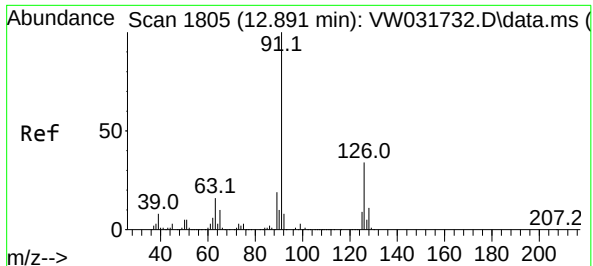
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#78
n-propylbenzene
Concen: 20.510 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion: 91 Resp: 337459
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.170 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion: 91 Resp: 20974

Ion Ratio Lower Upper

91 100

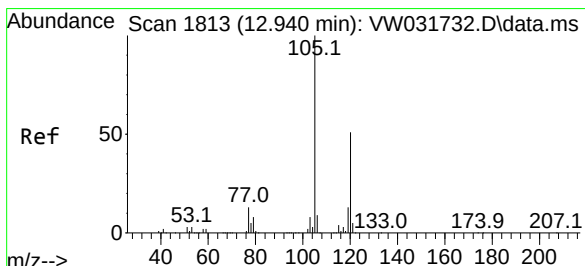
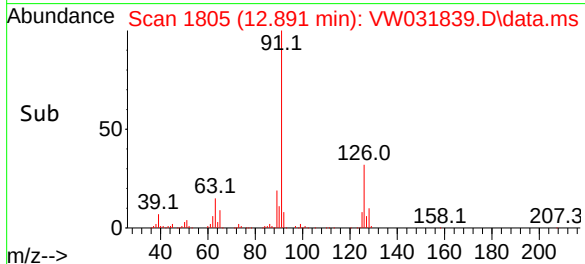
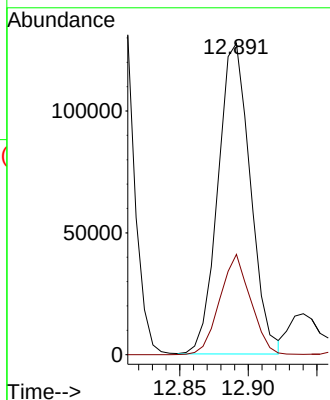
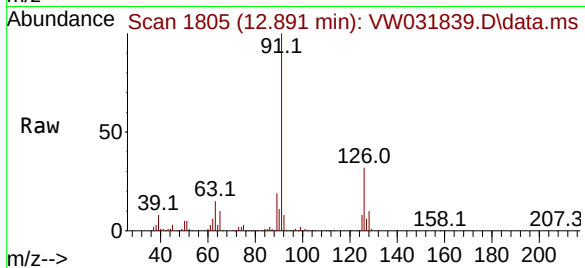
126 30.8 15.8 47.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.941 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031839.D

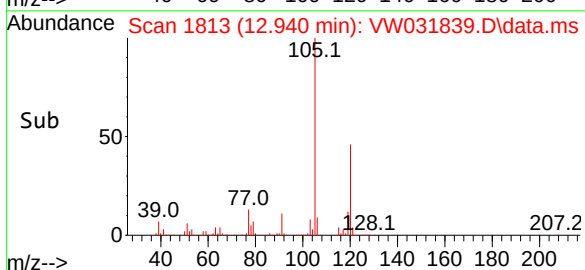
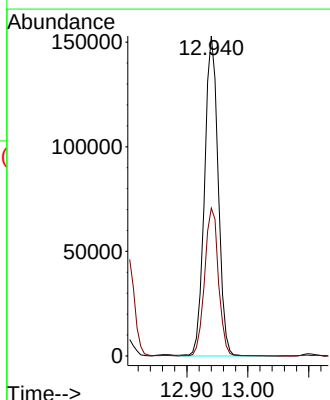
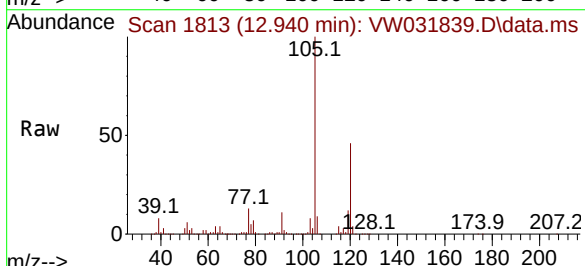
Acq: 14 Jul 2025 10:36

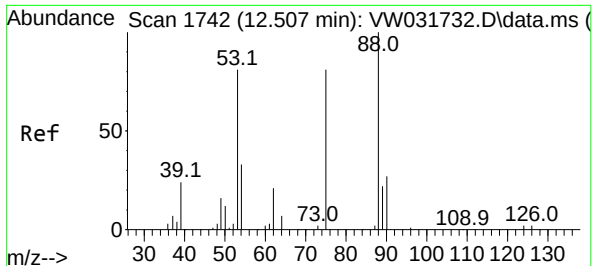
Tgt Ion:105 Resp: 238168

Ion Ratio Lower Upper

105 100

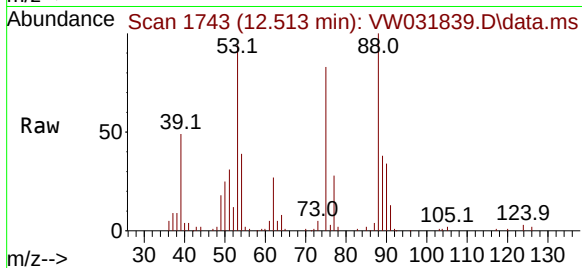
120 46.9 23.8 71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.813 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

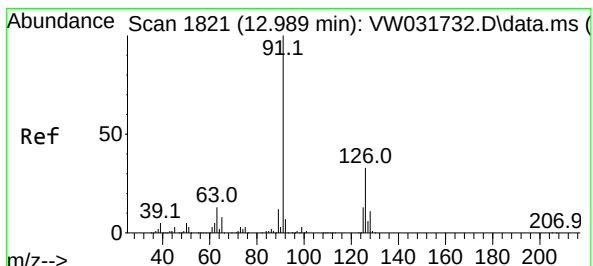
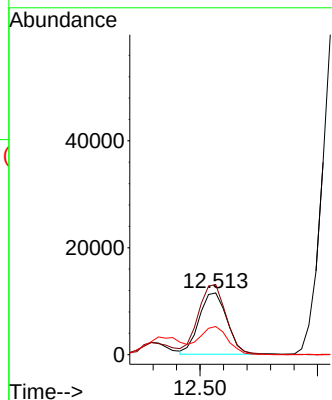
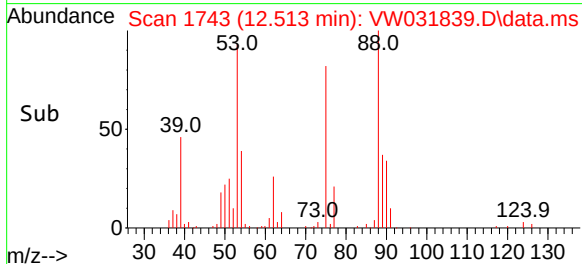
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



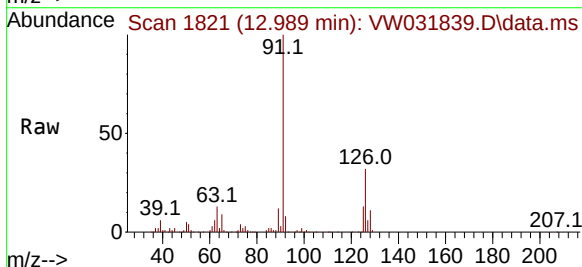
Tgt Ion: 75 Resp: 18854
Ion Ratio Lower Upper
75 100
53 116.5 83.5 125.3
89 47.1 38.3 57.5

Manual Integrations
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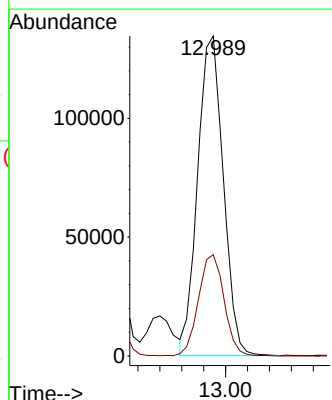
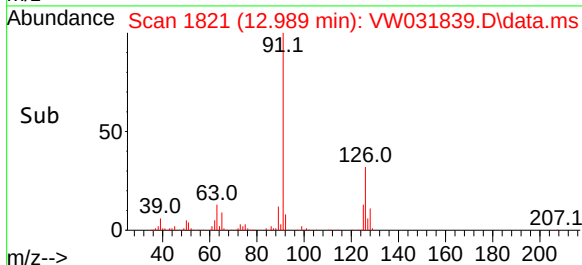
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

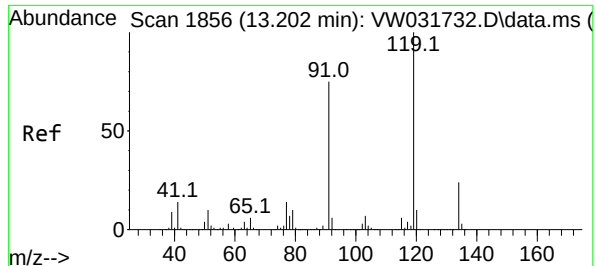


#82
4-Chlorotoluene
Concen: 20.999 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion: 91 Resp: 218429
Ion Ratio Lower Upper
91 100
126 31.7 16.0 47.9





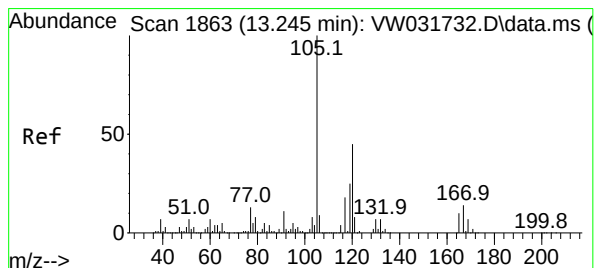
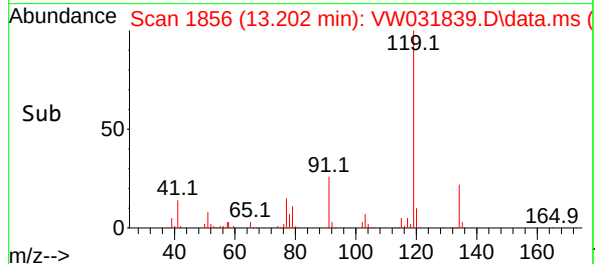
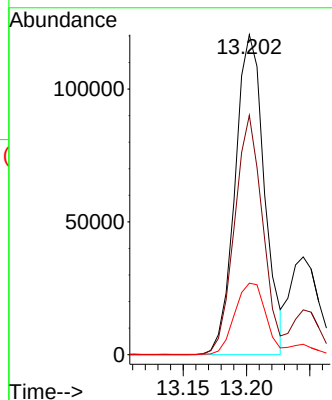
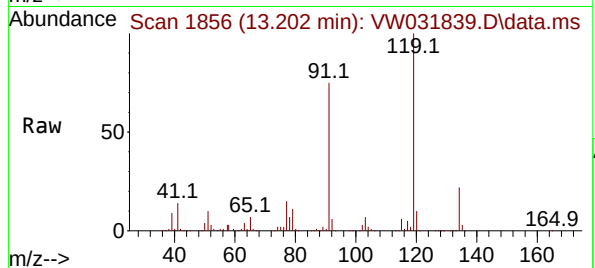
#83
tert-Butylbenzene
Concen: 19.940 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:119 Resp: 19426
Ion Ratio Lower Upper
119 100
91 71.5 36.0 108.1
134 24.0 12.4 37.2

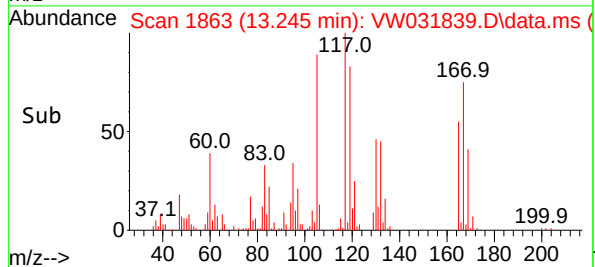
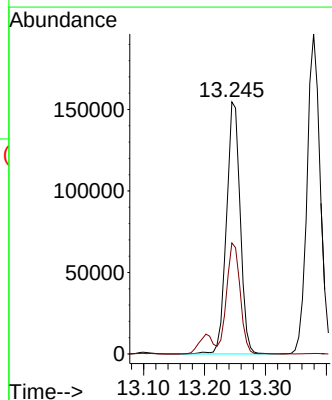
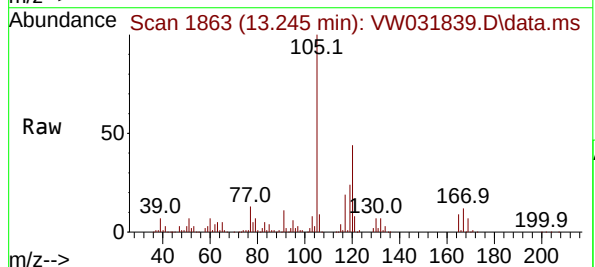
Manual Integrations
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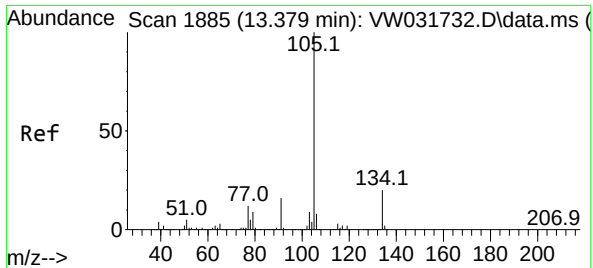
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.965 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:105 Resp: 241588
Ion Ratio Lower Upper
105 100
120 43.5 22.1 66.1





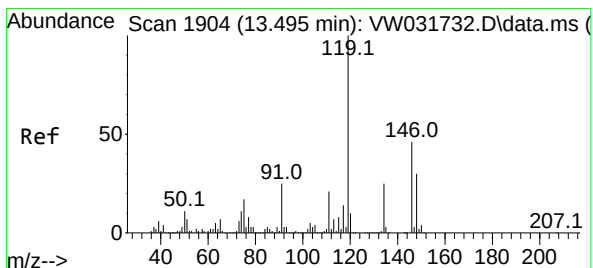
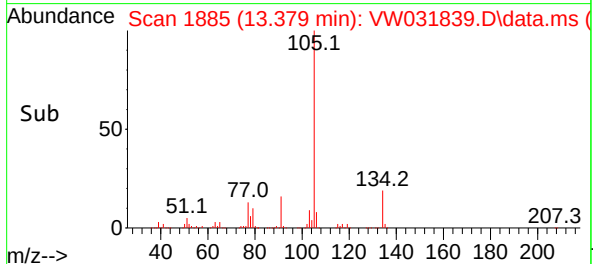
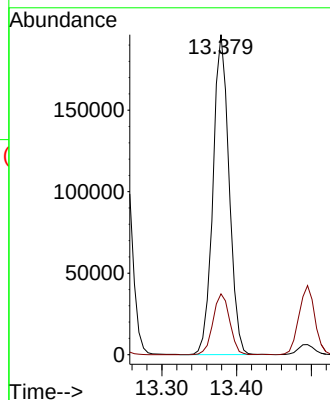
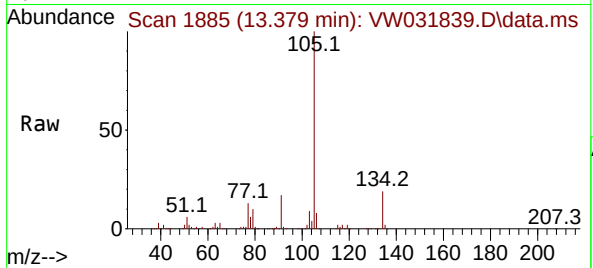
#85
sec-Butylbenzene
Concen: 20.059 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Tgt Ion:105 Resp: 29332
Ion Ratio Lower Upper
105 100
134 19.7 9.6 28.8

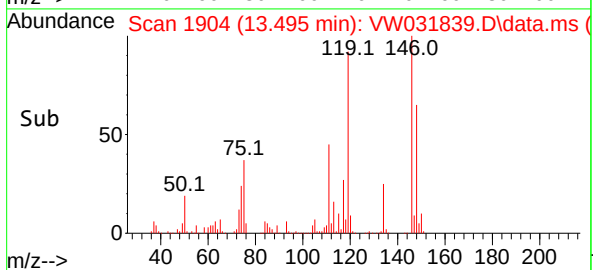
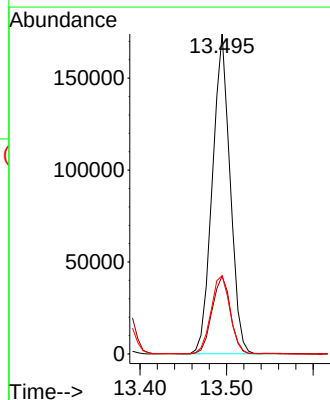
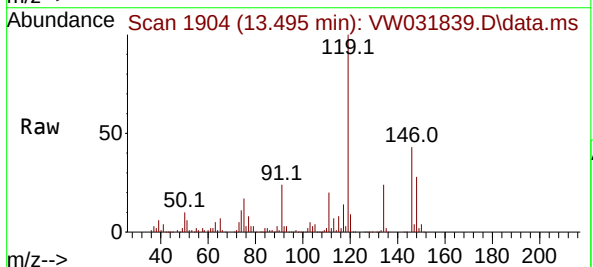
Manual Integrations
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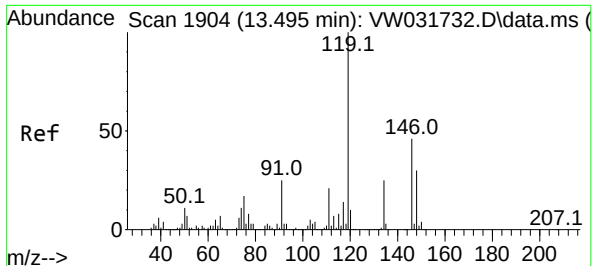
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#86
p-Isopropyltoluene
Concen: 20.508 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:119 Resp: 247144
Ion Ratio Lower Upper
119 100
134 25.3 12.9 38.7
91 26.0 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.317 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:146 Resp: 124859

Ion Ratio Lower Upper

146 100

111 45.7 22.3 66.9

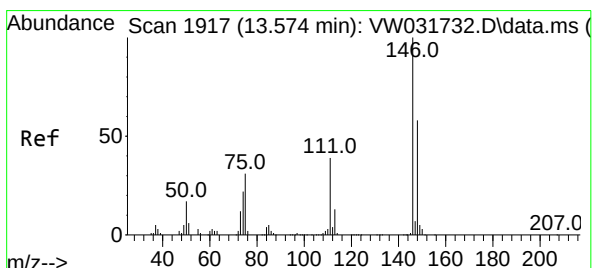
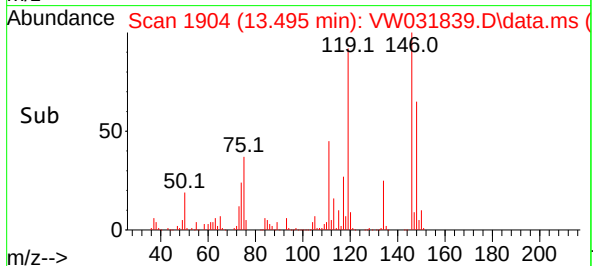
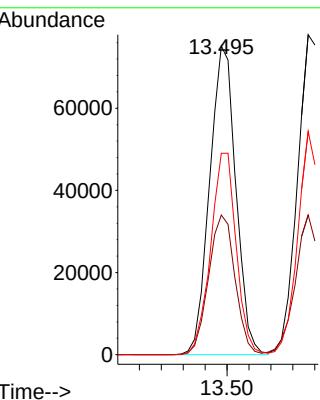
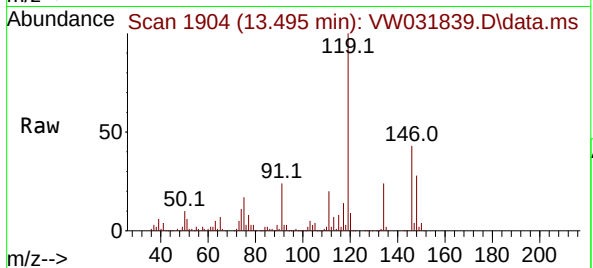
148 63.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#88

1,4-Dichlorobenzene

Concen: 20.177 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

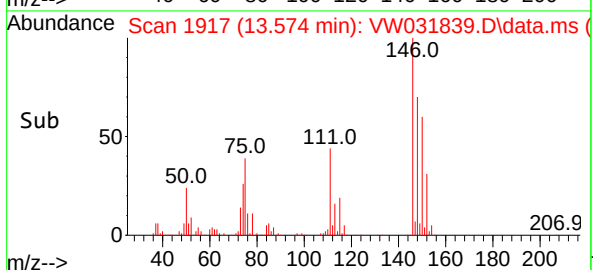
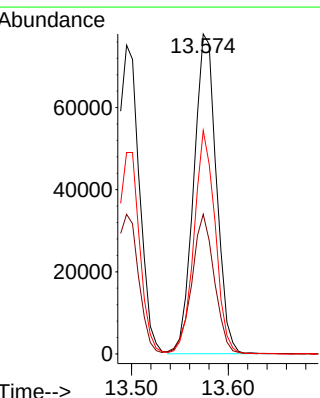
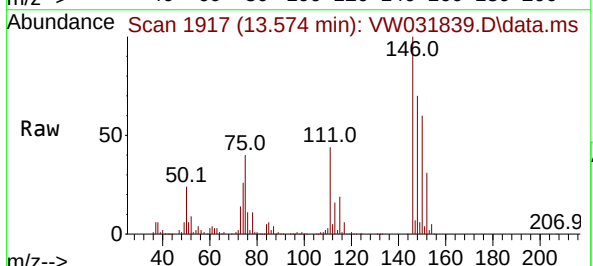
Tgt Ion:146 Resp: 126920

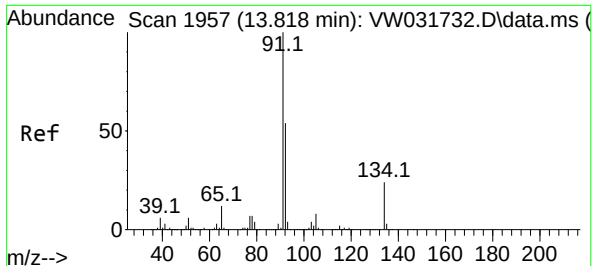
Ion Ratio Lower Upper

146 100

111 43.5 20.4 61.3

148 65.3 30.2 90.6





#89

n-Butylbenzene

Concen: 20.054 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

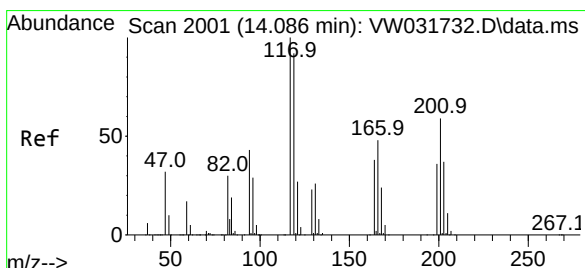
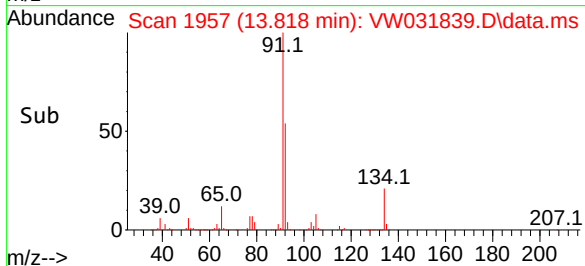
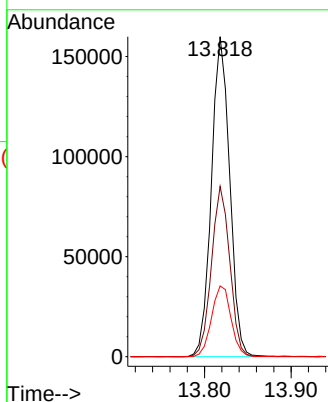
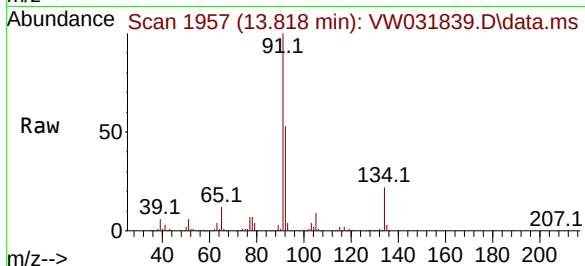
VW0714SBS01

Tgt Ion:	91	Resp:	234809
Ion Ratio	Lower	Upper	
91	100		
92	53.3	27.2	81.5
134	23.5	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#90

Hexachloroethane

Concen: 19.287 ug/l

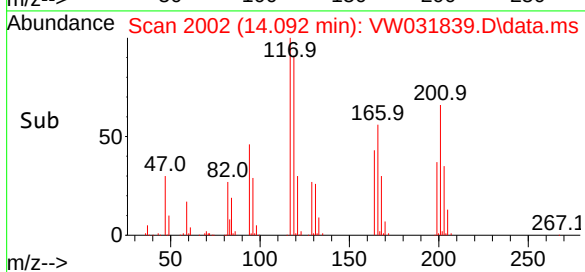
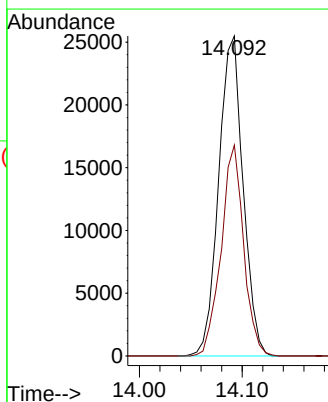
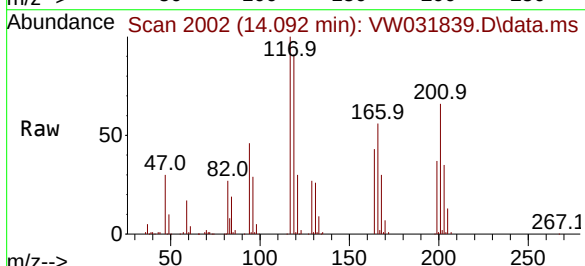
RT: 14.092 min Scan# 2002

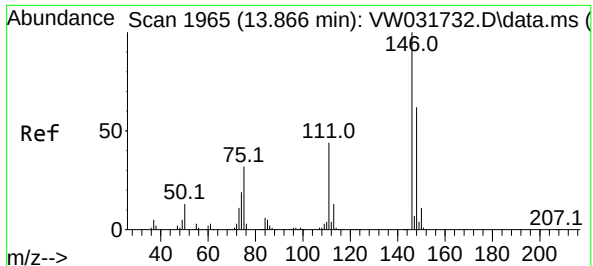
Delta R.T. 0.006 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

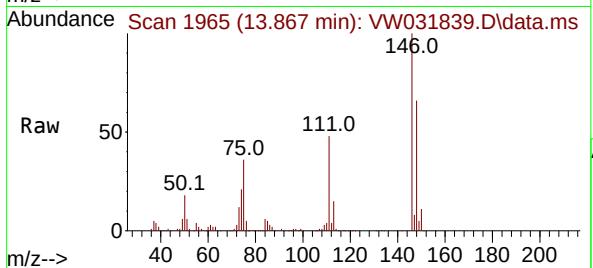
Tgt Ion:	117	Resp:	41932
Ion Ratio	Lower	Upper	
117	100		
201	60.9	31.1	93.3





#91
1,2-Dichlorobenzene
Concen: 20.791 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

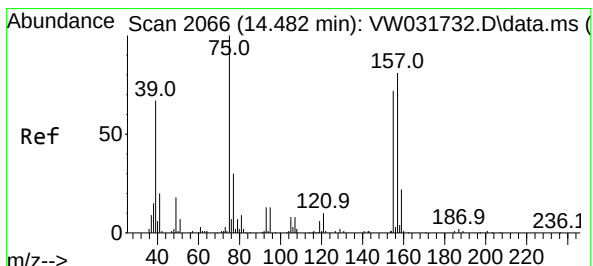
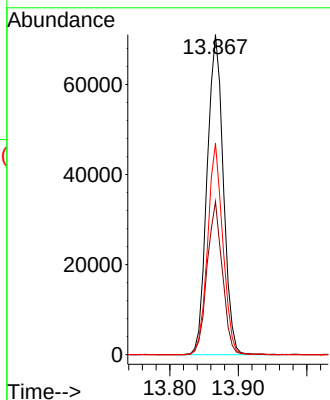
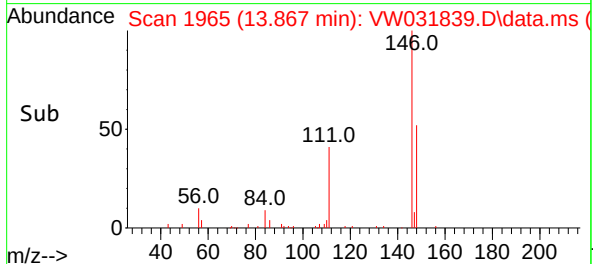
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



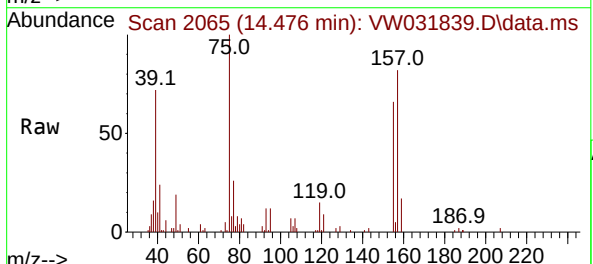
Tgt Ion:146 Resp: 116784
Ion Ratio Lower Upper
146 100
111 45.2 21.7 65.1
148 62.0 29.8 89.5

Manual Integrations
APPROVED

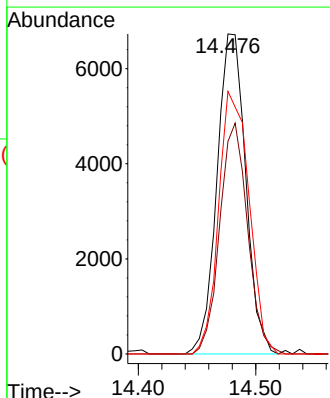
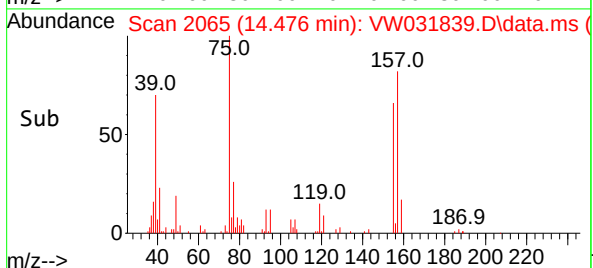
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

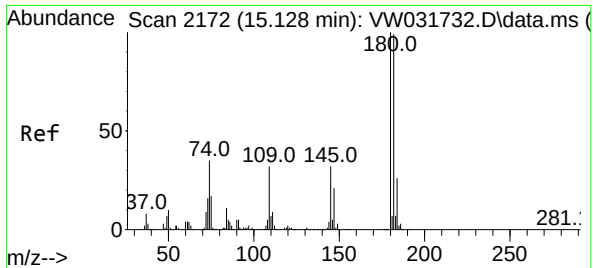


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.244 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36



Tgt Ion: 75 Resp: 11462
Ion Ratio Lower Upper
75 100
155 69.9 37.2 111.6
157 86.6 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 19.784 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBS01

Tgt Ion:180 Resp: 6853

Ion Ratio Lower Upper

180 100

182 91.1 48.6 145.9

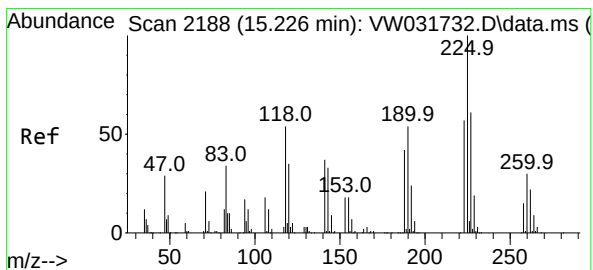
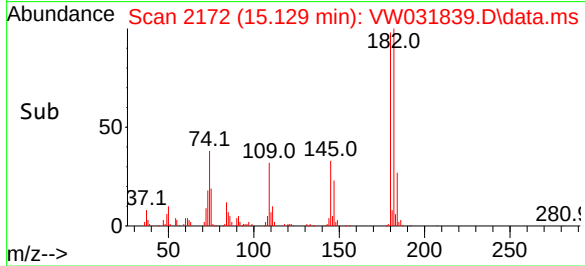
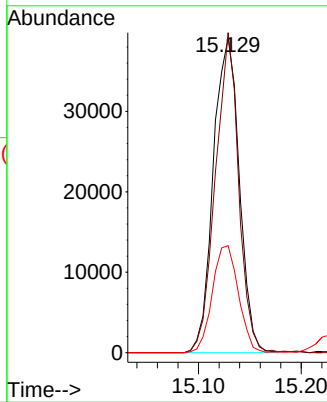
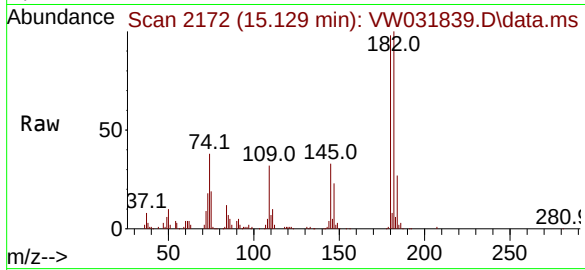
145 34.2 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#94

Hexachlorobutadiene

Concen: 17.275 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031839.D

Acq: 14 Jul 2025 10:36

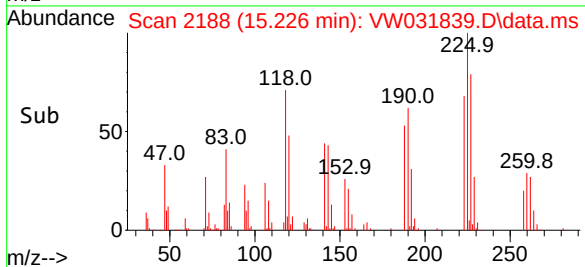
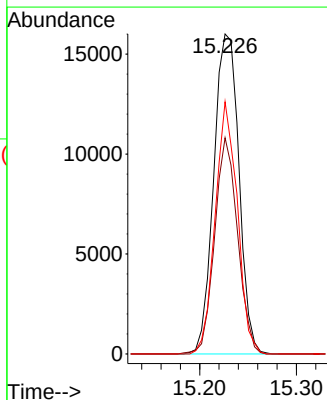
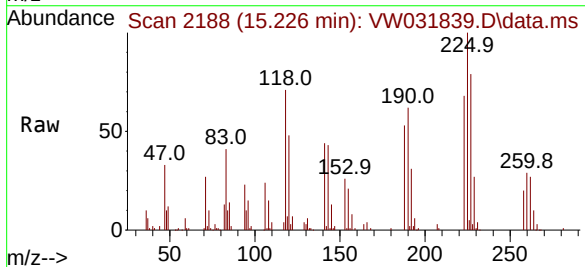
Tgt Ion:225 Resp: 28897

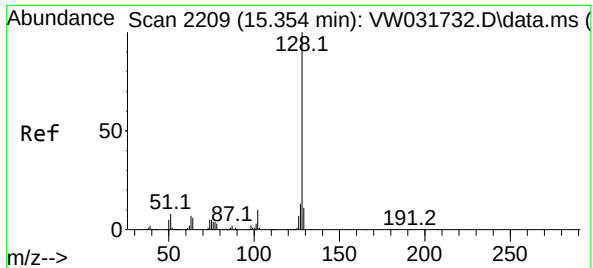
Ion Ratio Lower Upper

225 100

223 61.7 32.6 97.8

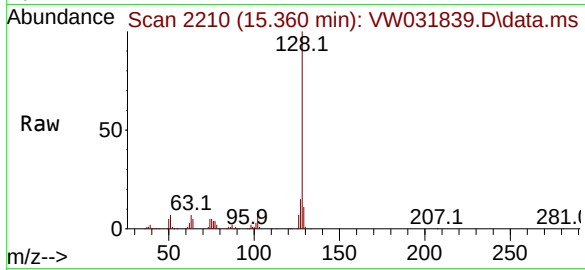
227 69.3 37.3 111.8





#95
Naphthalene
Concen: 19.676 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

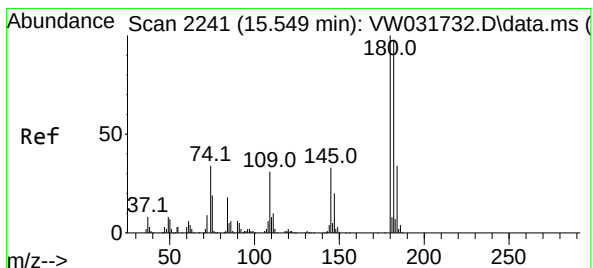
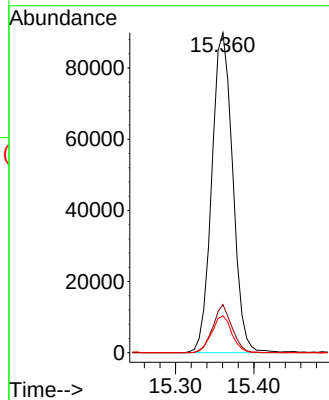
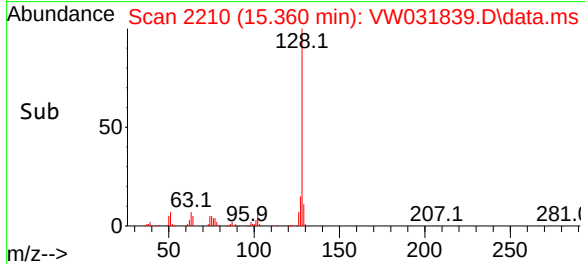
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01



Tgt Ion:128 Resp: 16710
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.1 8.7 13.1

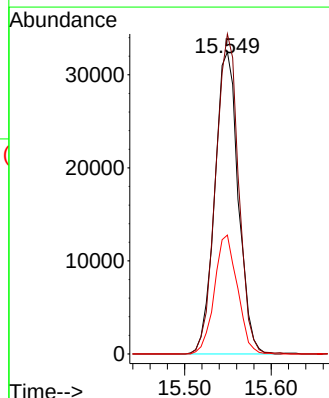
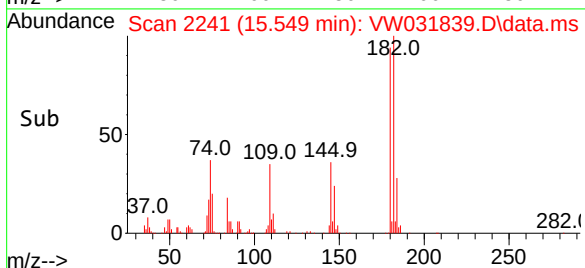
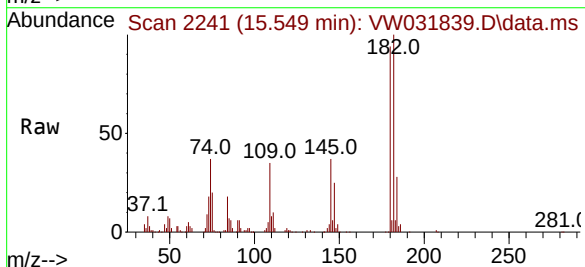
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.235 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031839.D
Acq: 14 Jul 2025 10:36

Tgt Ion:180 Resp: 61227
Ion Ratio Lower Upper
180 100
182 103.3 46.4 139.1
145 38.5 17.8 53.3



Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VW031729.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDIC005	VW031729.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDIC005	VW031729.D	Acetone	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDIC005	VW031729.D	Ethyl Acetate	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDIC005	VW031729.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDIC010	VW031730.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDIC010	VW031730.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDIC010	VW031730.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDIC020	VW031731.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDIC020	VW031731.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDIC050	VW031732.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:38 PM	SAM	7/1/2025 12:24:15 PM	Peak Integrated by Software
VSTDIC100	VW031733.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:40 PM	SAM	7/1/2025 12:24:18 PM	Peak Integrated by Software
VSTDIC150	VW031734.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:41 PM	SAM	7/1/2025 12:24:20 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW063025

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VW031736.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:42 PM	SAM	7/1/2025 12:24:21 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VW071425	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031836.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:16 PM	MMDadoda	7/16/2025 1:42:29 PM	Peak Integrated by Software
VW0714SBS01	VW031838.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:21 PM	MMDadoda	7/16/2025 1:42:30 PM	Peak Integrated by Software
VW0714SBSD0 1	VW031839.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:26 PM	MMDadoda	7/16/2025 1:42:36 PM	Peak Integrated by Software
VSTDCCC050	VW031853.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:48 PM	MMDadoda	7/16/2025 1:42:44 PM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134578			
Initial Calibration Stds		VP134581,VP134582,VP134583,VP134584,VP134585,VP134586			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134587			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031728.D	30 Jun 2025 08:56	SY/MD	Ok
2	VSTDIC005	VW031729.D	30 Jun 2025 09:54	SY/MD	Ok,M
3	VSTDIC010	VW031730.D	30 Jun 2025 10:15	SY/MD	Ok,M
4	VSTDIC020	VW031731.D	30 Jun 2025 10:58	SY/MD	Ok,M
5	VSTDIC050	VW031732.D	30 Jun 2025 11:21	SY/MD	Ok,M
6	VSTDIC100	VW031733.D	30 Jun 2025 12:34	SY/MD	Ok,M
7	VSTDIC150	VW031734.D	30 Jun 2025 12:55	SY/MD	Ok,M
8	VIBLK	VW031735.D	30 Jun 2025 14:11	SY/MD	Ok
9	VSTDICV050	VW031736.D	30 Jun 2025 15:23	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM		
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:42:51 PM		
SubDirectory	VW071425	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134754			
CCC		VP134755,VP134756			
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	VW031835.D	14 Jul 2025 08:45	SY/MD	Ok
2	VSTDCCC050	VW031836.D	14 Jul 2025 09:17	SY/MD	Ok,M
3	VW0714SBL01	VW031837.D	14 Jul 2025 09:46	SY/MD	Ok
4	VW0714SBS01	VW031838.D	14 Jul 2025 10:14	SY/MD	Ok,M
5	VW0714SBSD01	VW031839.D	14 Jul 2025 10:36	SY/MD	Ok,M
6	Q2503-03	VW031840.D	14 Jul 2025 11:16	SY/MD	Dilution
7	Q2503-04	VW031841.D	14 Jul 2025 11:38	SY/MD	Dilution
8	Q2503-03	VW031842.D	14 Jul 2025 12:00	SY/MD	Not Ok
9	Q2503-04	VW031843.D	14 Jul 2025 12:22	SY/MD	Not Ok
10	Q2560-03	VW031844.D	14 Jul 2025 12:45	SY/MD	Ok
11	Q2592-01	VW031845.D	14 Jul 2025 13:07	SY/MD	Ok
12	Q2590-01	VW031846.D	14 Jul 2025 13:29	SY/MD	Ok
13	Q2586-03	VW031847.D	14 Jul 2025 13:51	SY/MD	Ok
14	Q2589-01	VW031848.D	14 Jul 2025 14:13	SY/MD	Ok
15	Q2559-01	VW031849.D	14 Jul 2025 14:36	SY/MD	ReRun
16	Q2597-01	VW031850.D	14 Jul 2025 15:30	SY/MD	Ok
17	Q2598-01	VW031851.D	14 Jul 2025 15:52	SY/MD	Ok
18	VIBLK	VW031852.D	14 Jul 2025 16:14	SY/MD	Ok
19	VSTDCCC050	VW031853.D	14 Jul 2025 16:37	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM
SubDirectory	VW063025	HP Acquire Method	MSVOA_W
		HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031728.D	30 Jun 2025 08:56		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031729.D	30 Jun 2025 09:54		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031730.D	30 Jun 2025 10:15	8260-soil-method	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031731.D	30 Jun 2025 10:58		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	Comp. #20 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031733.D	30 Jun 2025 12:34		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031734.D	30 Jun 2025 12:55		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031735.D	30 Jun 2025 14:11		SY/MD	Ok
9	VSTDICV050	ICVVW063025	VW031736.D	30 Jun 2025 15:23		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM
Supervise By	Mahesh Dadoda	Supervise On	7/16/2025 1:42:51 PM
SubDirectory	VW071425	HP Acquire Method	MSVOA_W
		HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134754
CCC	VP134755,VP134756
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031835.D	14 Jul 2025 08:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031836.D	14 Jul 2025 09:17		SY/MD	Ok,M
3	VW0714SBL01	VW0714SBL01	VW031837.D	14 Jul 2025 09:46		SY/MD	Ok
4	VW0714SBS01	VW0714SBS01	VW031838.D	14 Jul 2025 10:14		SY/MD	Ok,M
5	VW0714SBSD01	VW0714SBSD01	VW031839.D	14 Jul 2025 10:36		SY/MD	Ok,M
6	Q2503-03	GCAP2	VW031840.D	14 Jul 2025 11:16	Need MeOH,vial-A	SY/MD	Dilution
7	Q2503-04	GCAP3	VW031841.D	14 Jul 2025 11:38	Need MeOH,vial-A	SY/MD	Dilution
8	Q2503-03	GCAP2	VW031842.D	14 Jul 2025 12:00	Already Analyzed,vial B	SY/MD	Not Ok
9	Q2503-04	GCAP3	VW031843.D	14 Jul 2025 12:22	Already Analyzed,vial B	SY/MD	Not Ok
10	Q2560-03	LP-7102025-VOC	VW031844.D	14 Jul 2025 12:45	vial B	SY/MD	Ok
11	Q2592-01	WC-SOIL-20250711	VW031845.D	14 Jul 2025 13:07	vial A	SY/MD	Ok
12	Q2590-01	NB-7-071125	VW031846.D	14 Jul 2025 13:29	vial A	SY/MD	Ok
13	Q2586-03	TP-16-VOC	VW031847.D	14 Jul 2025 13:51	vial A	SY/MD	Ok
14	Q2589-01	AU-06-071125	VW031848.D	14 Jul 2025 14:13	vial A	SY/MD	Ok
15	Q2559-01	500-3B CONCRETE CH	VW031849.D	14 Jul 2025 14:36	Surrogate Fail,vial A	SY/MD	ReRun
16	Q2597-01	CHRT-26899	VW031850.D	14 Jul 2025 15:30	vial A	SY/MD	Ok
17	Q2598-01	OK-01-071425	VW031851.D	14 Jul 2025 15:52	vial A	SY/MD	Ok
18	VIBLK	VIBLK	VW031852.D	14 Jul 2025 16:14		SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM				
Supervise By	Mahesh Dadoda	Supervise On	7/16/2025 1:42:51 PM				
SubDirectory	VW071425	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		VP134754					
CCC		VP134755,VP134756					
Internal Standard/PEM		VP133934					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

19	VSTDCCC050	VSTDCCC050EC	VW031853.D	14 Jul 2025 16:37		SY/MD	Ok,M
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M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136481

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
Q2592-01	WC-SOIL-20250711	1	1.15	10.84	11.99	9.46	76.7	
Q2605-01	V908	2	1.13	10.70	11.83	11.13	93.5	
Q2605-02	VB16135	3	1.14	10.66	11.8	11.09	93.3	
Q2605-03	VB15061	4	1.18	10.55	11.73	10.99	93.0	
Q2605-04	V897	5	1.17	10.79	11.96	11.76	98.1	
Q2607-01	VNJ-257-1	6	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-02	VNJ-257-2	7	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-03	ETGI-359-1	8	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-04	ETGI-359-2	9	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2608-04	60271	10	1.14	10.65	11.79	9.61	79.5	
Q2609-01	710-ABC	11	1.18	10.37	11.55	11.5	99.5	
Q2609-03	710-C	12	1.13	10.29	11.42	11.37	99.5	
Q2609-05	709-AB	13	1.16	10.26	11.42	11.39	99.7	
Q2609-07	709-A	14	1.14	10.28	11.42	11.4	99.8	
Q2610-01	2010	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-02	2011	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-03	2012	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-04	2013	18	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-05	2014	19	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2611-01	EO-02-071525	20	1.16	10.17	11.33	10.83	95.1	
Q2611-02	EO-02-071525-E2	21	1.14	10.39	11.53	10.68	91.8	
Q2612-01	OR-02-071525	22	1.18	10.49	11.67	10.1	85.0	
Q2612-02	OR-02-071525-E2	23	1.12	10.61	11.73	9.89	82.7	
Q2614-01	HR-MCN-COMP-01	24	1.15	10.70	11.85	9.61	79.1	
Q2614-02	HR-MCN-VOC-01	25	1.15	10.29	11.44	9.14	77.6	
Q2614-03	HR-MCN-01	26	1.11	10.71	11.82	9.35	76.9	
Q2614-04	HR-MCN-02	27	1.19	10.40	11.59	8.94	74.5	
Q2614-05	HR-MCN-03	28	1.14	10.58	11.72	9.89	82.7	

WORKLIST(Hardcopy Internal Chain)

136481

WorkList Name : %1-071525

WorkList ID : 190721

Department : Wet-Chemistry

Date : 07-15-2025 08:40:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2592-01	WC-SOIL-20250711	Solid	Percent Solids	Cool 4 deg C	PARS02	D51	07/11/2025	Chemtech -SO
Q2605-01	V908	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-02	VB16135	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-03	VB15061	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-04	V897	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-01	VNJ-257-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-02	VNJ-257-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-03	ETGI-359-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-04	ETGI-359-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2608-04	60271	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-01	710-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-03	710-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-05	709-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-07	709-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-01	2010	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-02	2011	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-03	2012	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-04	2013	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-05	2014	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2611-01	EO-02-071525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2611-02	EO-02-071525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO

Date/Time 07-15-25 13:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q2592-VOCMS Group1

Date/Time 07-15-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136481

WorkList Name : %1-071525

WorkList ID : 190721

Department : Wet-Chemistry

Date : 07-15-2025 08:40:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2612-01	OR-02-071525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2612-02	OR-02-071525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2614-01	HR-MCN-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-02	HR-MCN-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-03	HR-MCN-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-04	HR-MCN-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-05	HR-MCN-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO

Date/Time 07-15-25

15:15

Raw Sample Received by:

SP WEC

Raw Sample Relinquished by:

SP SM

Q2592-VOCMS Group1

Date/Time

07-15-25

17:30

Raw Sample Received by:

SP SM

Raw Sample Relinquished by:

SP WEC

Prep Standard - Chemical Standard Summary

Order ID : Q2592

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VW071425,

Standard ID :

VP133175,VP133934,VP133953,VP134147,VP134149,VP134150,VP134431,VP134432,VP134478,VP134479,VP134754,VP134755,VP134756,

Chemical ID :

V13391,V13706,V14290,V14438,V14440,V14505,V14506,V14527,V14528,V14613,V14626,V14636,V14637,V14638,V14639,V14673,V14708,V14712,V14713,V14748,V14752,V14808,V14822,V14843,V14921,V14929,V15028,V15029,V15030,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>
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = 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>
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

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
05/21/2025								

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = 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>
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>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP134431	06/20/2025	07/19/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/15/2025

FROM 1.00000ml of V15030 + 1.50000ml of V15028 + 1.50000ml of V15029 + 21.00000ml of V14921 = 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	VP134432	06/20/2025	07/19/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/15/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP134431 = 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	VP134478	06/24/2025	08/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 06/26/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14438 + 1.00000ml of V14440 + 1.00000ml of V14505 + 1.00000ml of V14506 + 1.00000ml of V14527 + 1.00000ml of V14528 + 1.00000ml of V14708 + 1.00000ml of V14748 + 1.00000ml of V14752 + 1.00000ml of V14808 + 1.00000ml of V14822 + 1.50000ml of V14712 + 1.50000ml of V14713 + 10.60000ml of V14929 = 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	VP134479	06/24/2025	08/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 06/26/2025

FROM 5.62500ml of V14929 + 9.37500ml of VP134478 = 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	VP134754	07/14/2025	07/15/2025	Amit Patel	None	None	Maresh Dadoda
								07/17/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = 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	VP134755	07/14/2025	07/15/2025	Amit Patel	None	None	Maresh Dadoda
								07/17/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134432
+ 0.00250ml of VP134479 + 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	VP134756	07/14/2025	07/15/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134432 + 0.00250ml of VP134479 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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 #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	06/23/2025 / SAM	08/15/2024 / SAM	V14438

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	06/23/2025 / SAM	08/15/2024 / SAM	V14440

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	12/23/2025	06/23/2025 / SAM	09/17/2024 / SAM	V14505

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	12/23/2025	06/23/2025 / SAM	09/17/2024 / SAM	V14506

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	12/23/2025	06/23/2025 / SAM	09/18/2024 / SAM	V14527

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	12/23/2025	06/23/2025 / SAM	09/18/2024 / SAM	V14528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14712

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14713

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	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14748

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	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14752

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	12/23/2025	06/23/2025 / SAM	01/08/2025 / SAM	V14808

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	12/23/2025	06/23/2025 / SAM	01/08/2025 / SAM	V14822

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	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	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	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15029

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

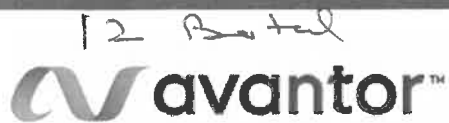
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



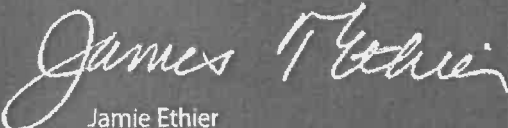
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



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. Rentes	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8h)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8h) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8h)	or-rat 75mg/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 3460mg/kg
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8h) (skin)	or-rat 120mg/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 277mg/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. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8h)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8h)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8h)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8h) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	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	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	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	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	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8h)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	109-46-7	75 ppm (450mg/m3/8h)	or-rat 5

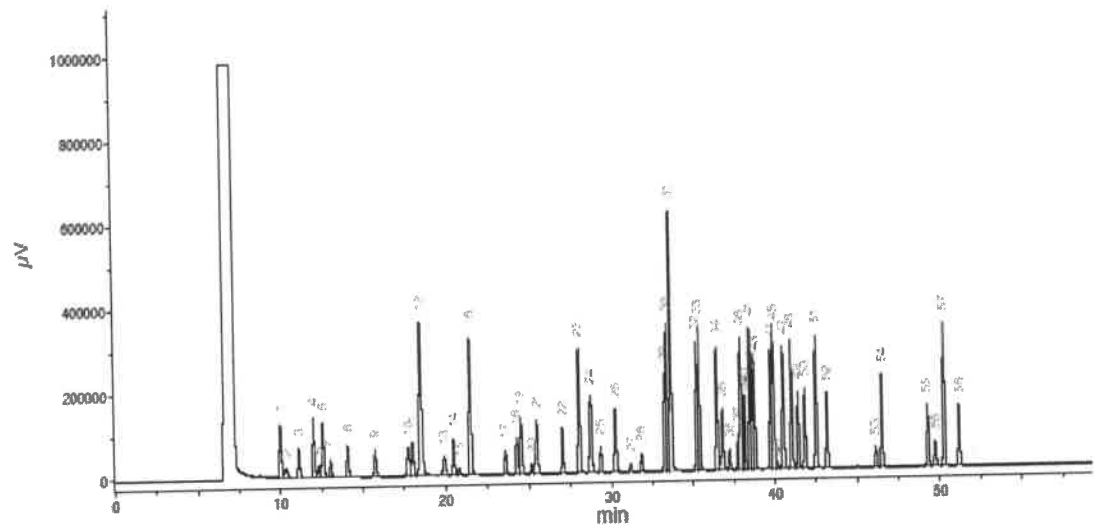


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	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	25.13
21	Dibromomethane/2,2-Dichloropropane	25.46
22	cis-1,2-Dichloroethene	27.07
23	Toluene	28.03
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	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	36.40
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	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
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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.



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 (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 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	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	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-83-4	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	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	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	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8H)	or-r

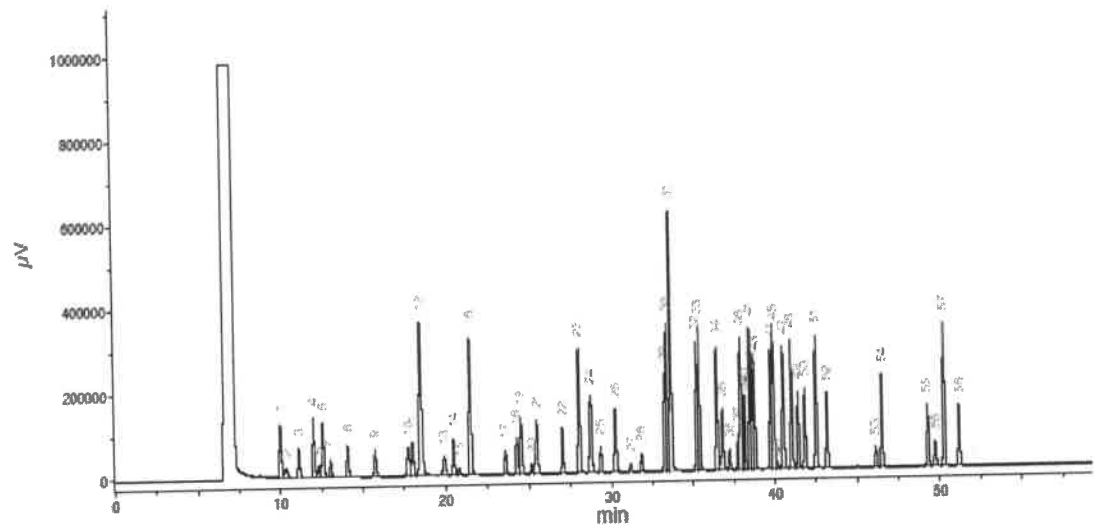


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	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	24.62
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.13
21	Dibromomethane/2,2-Dichloropropane	25.46
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-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	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
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   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: **Acrolein**Solvent(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

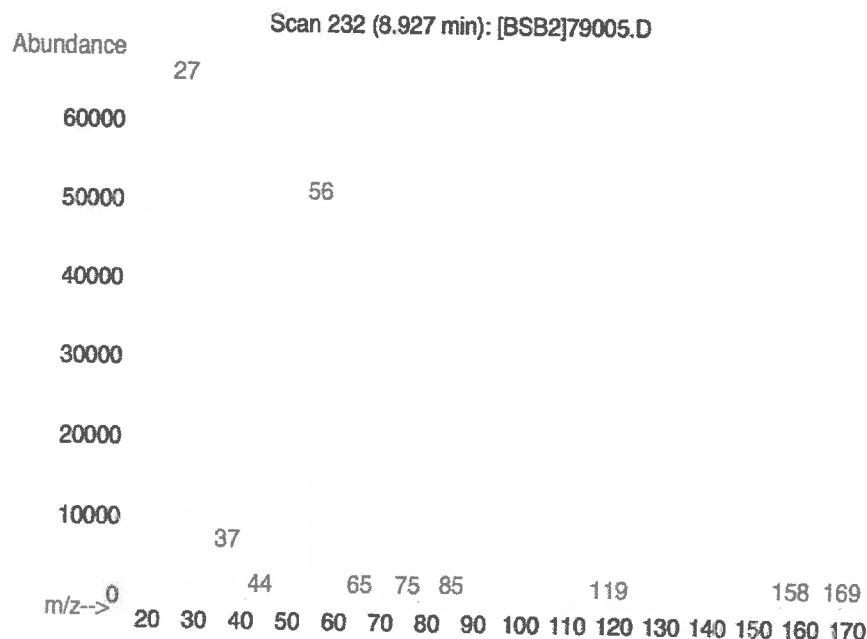
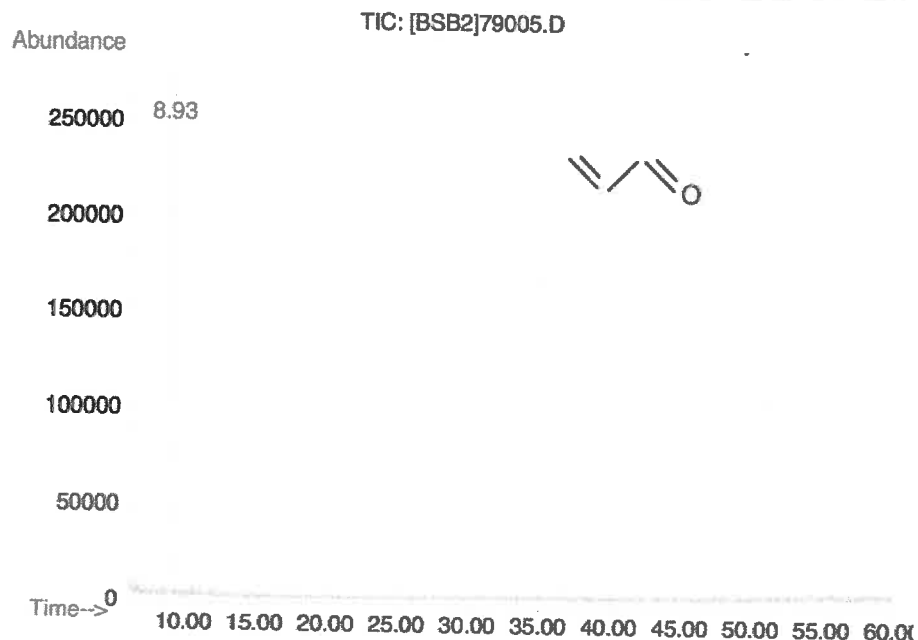
NIST Test ID#: 6UTB

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: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

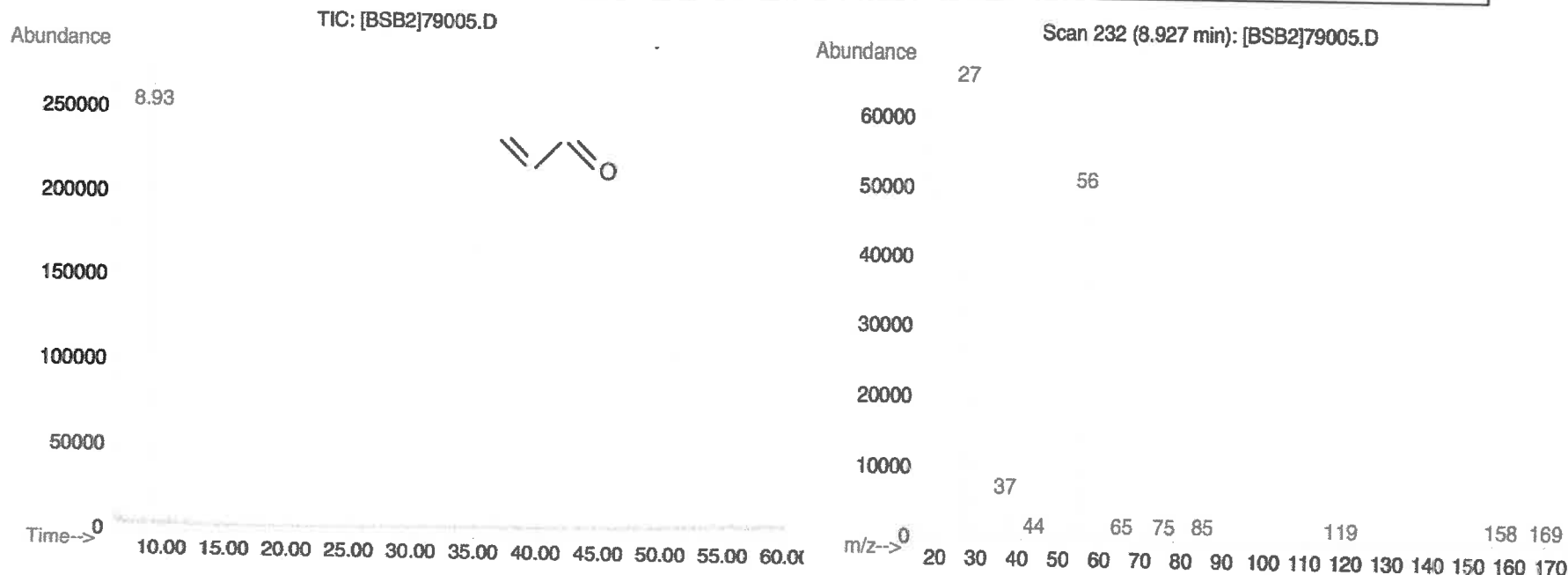
Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water
Lot#
072324Q

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
Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC/MSD-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.





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**

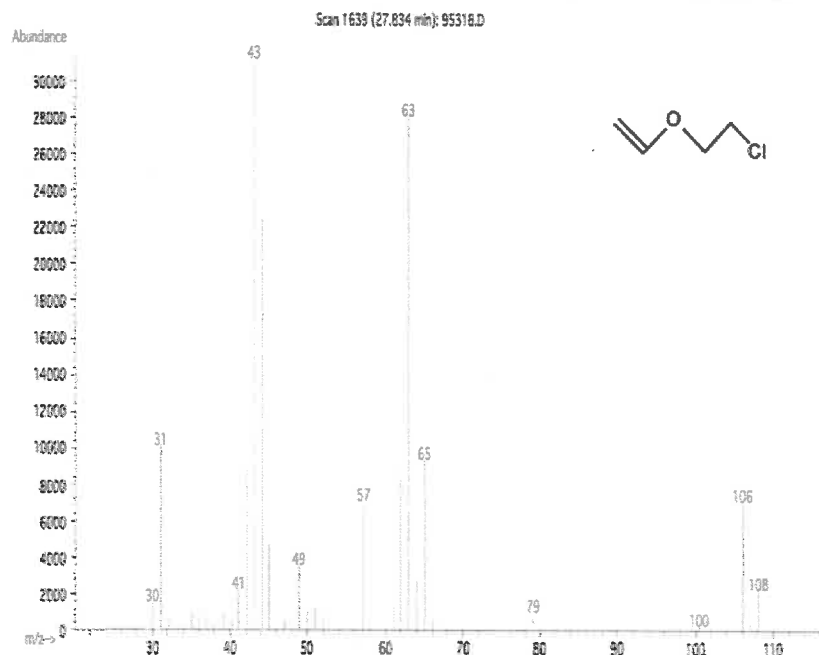
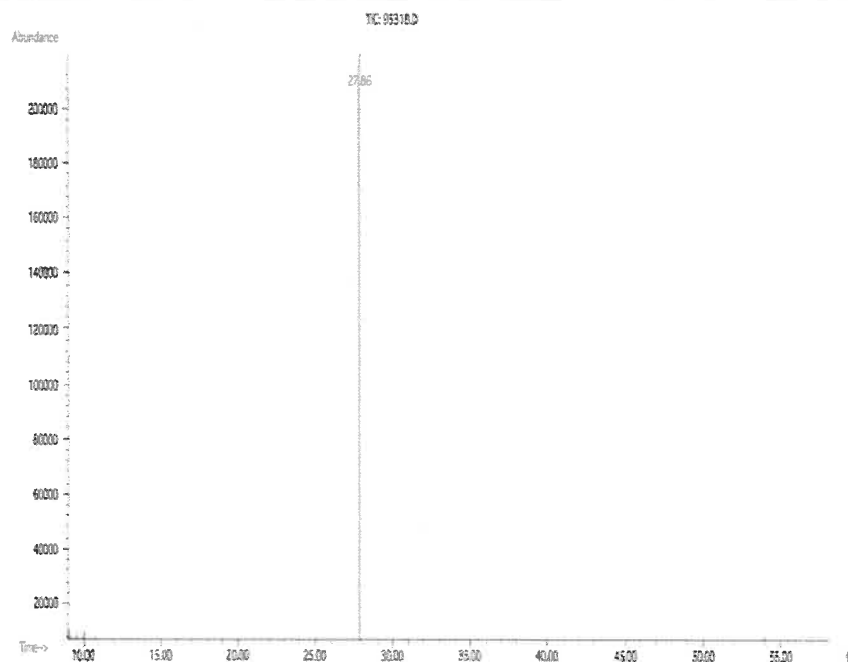
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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**

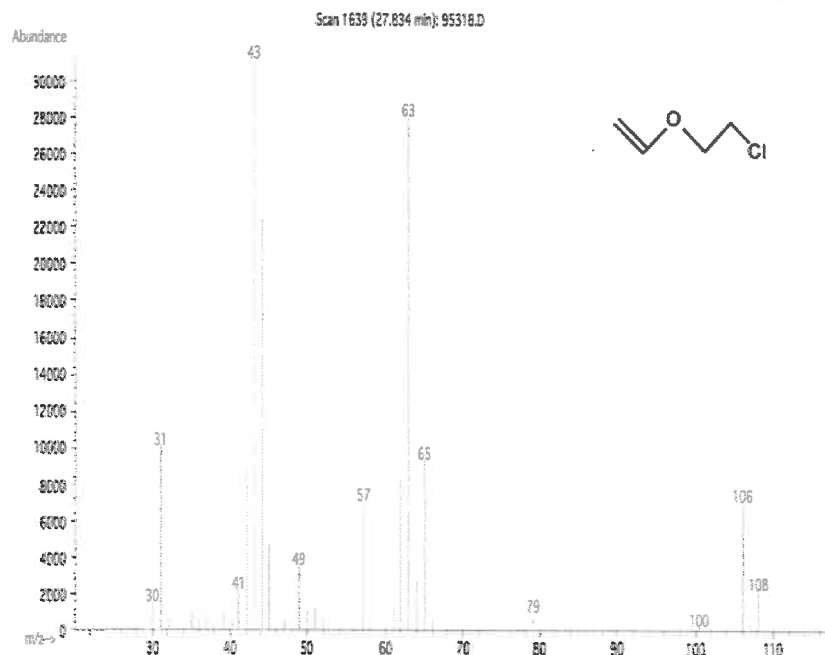
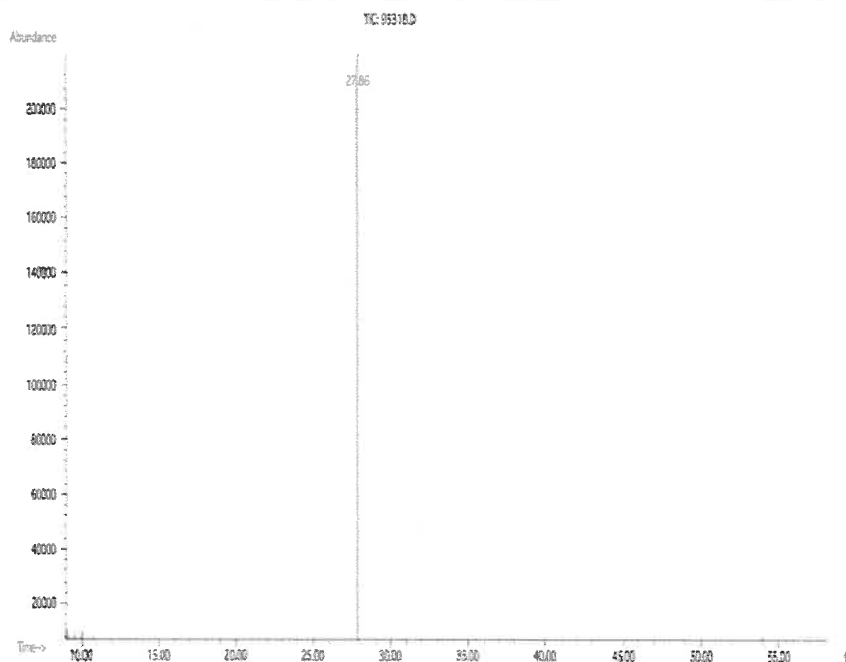
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.



- 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**

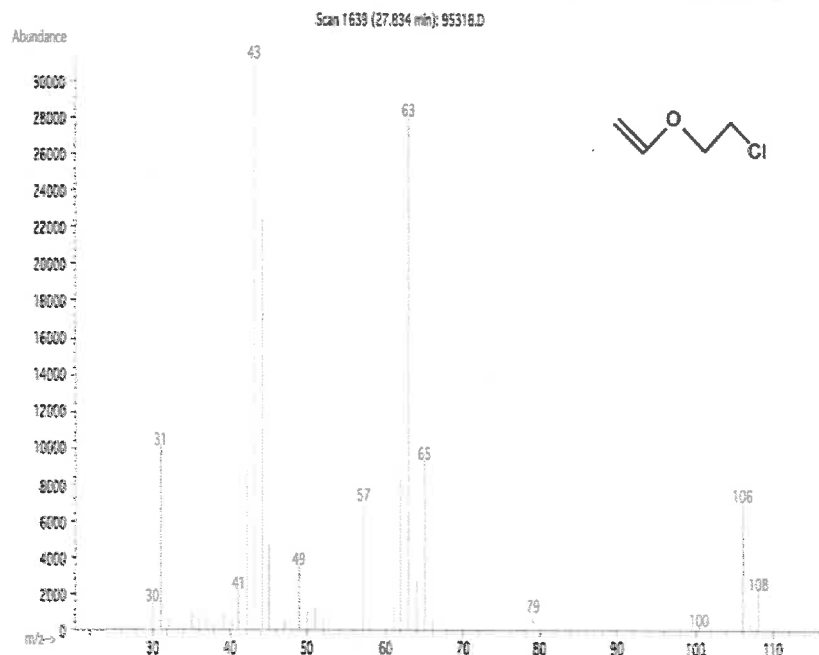
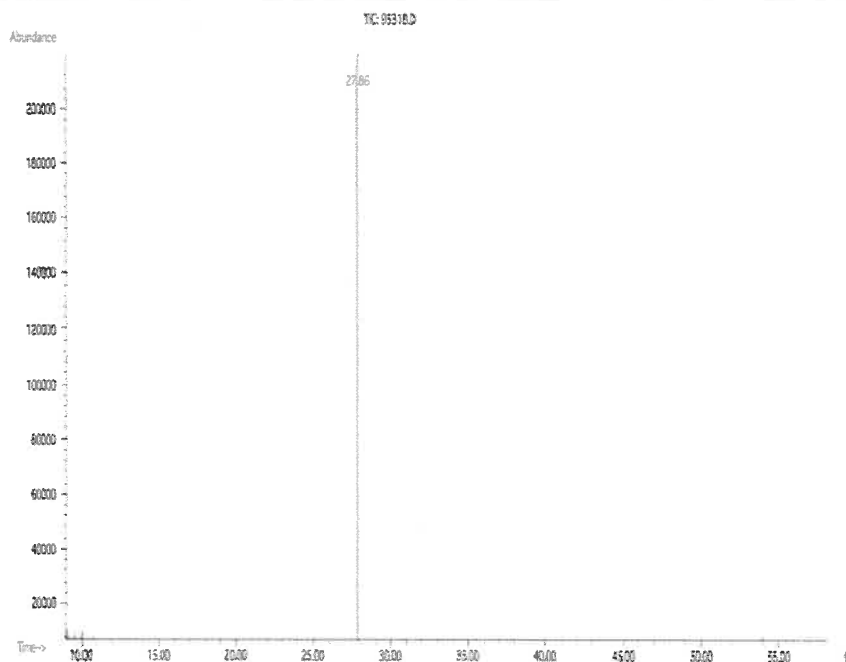
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.



- 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

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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.

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LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

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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**

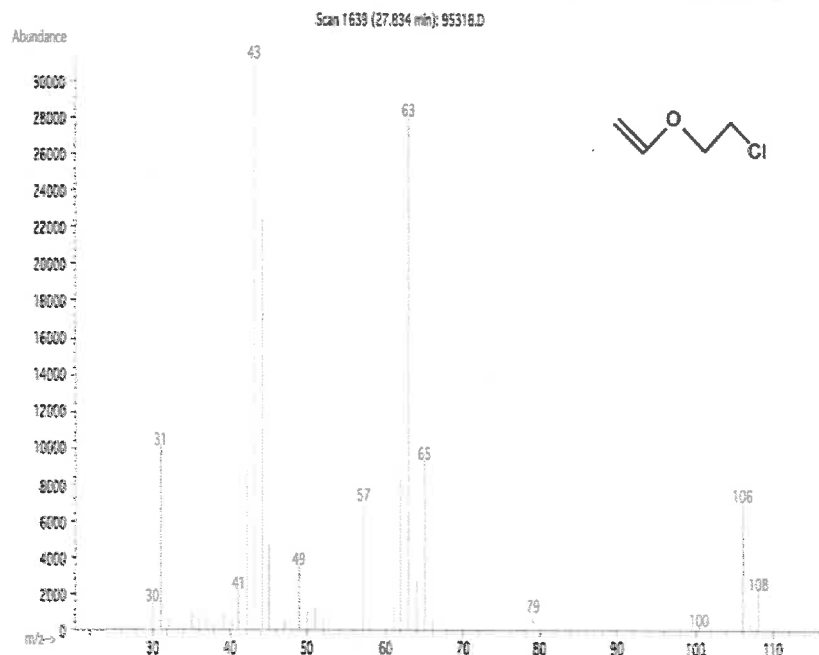
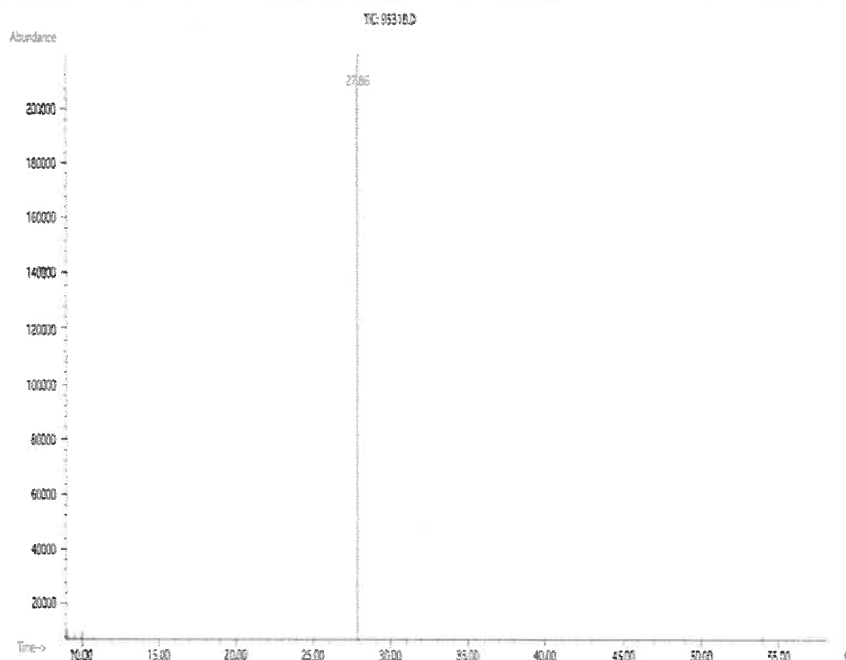
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

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Section IV. FIRST AID MEASURES

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Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
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:

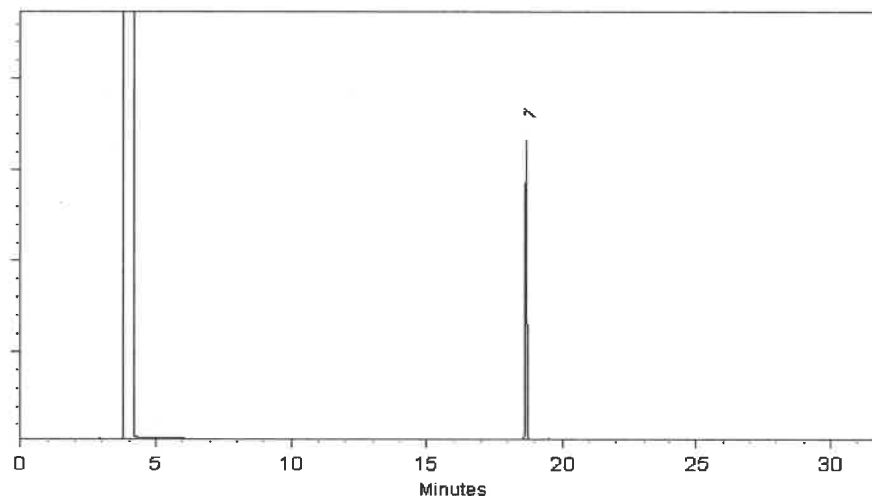
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Split Vent:

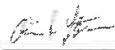
40 ml/min

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.



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

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

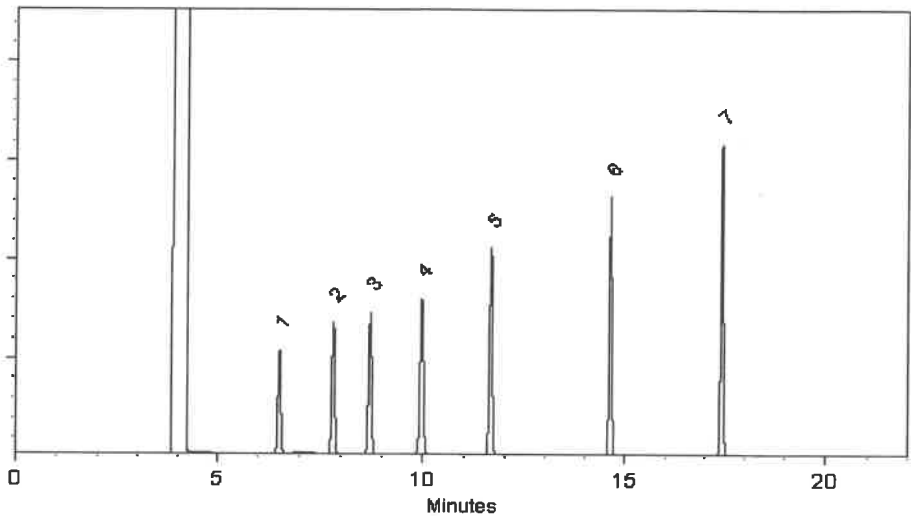
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

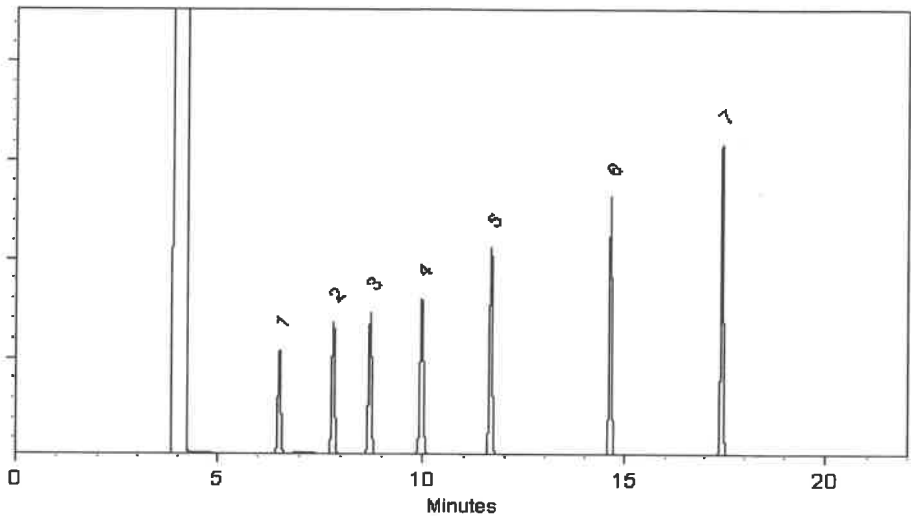
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

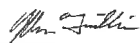
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

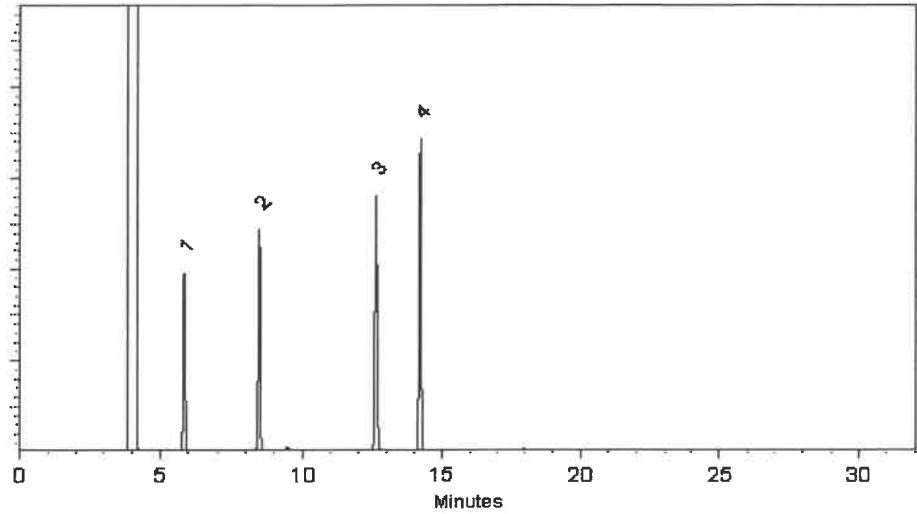
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

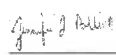


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

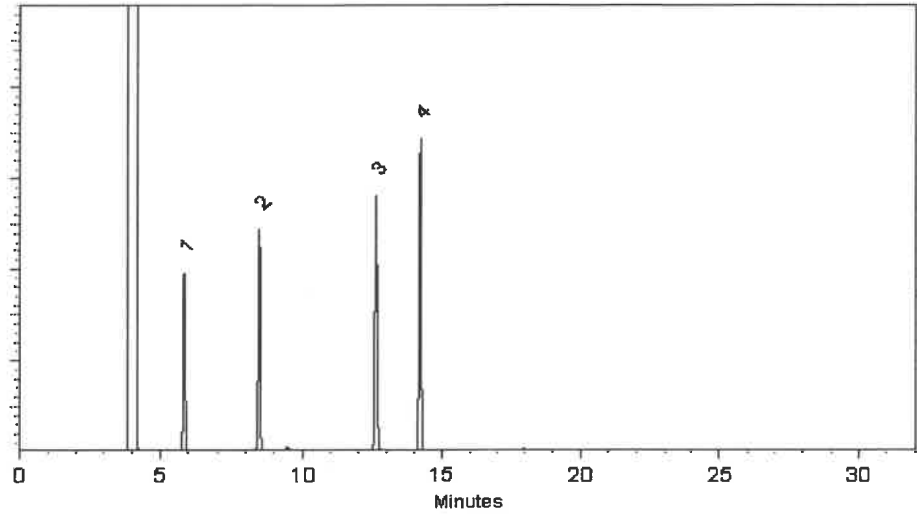
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

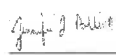


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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Dec 12/17/24
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

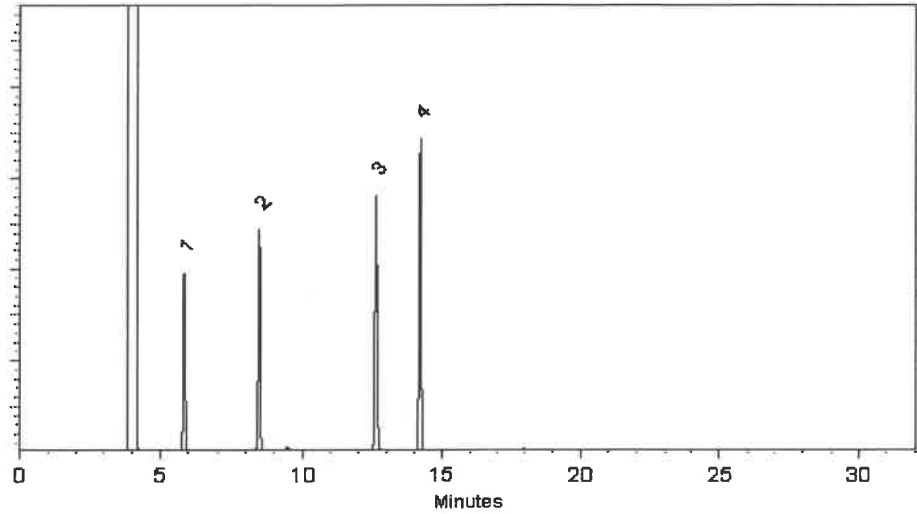
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

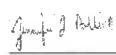


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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10 vial.
Dec: 12/09/24
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus
V14667
V14676



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

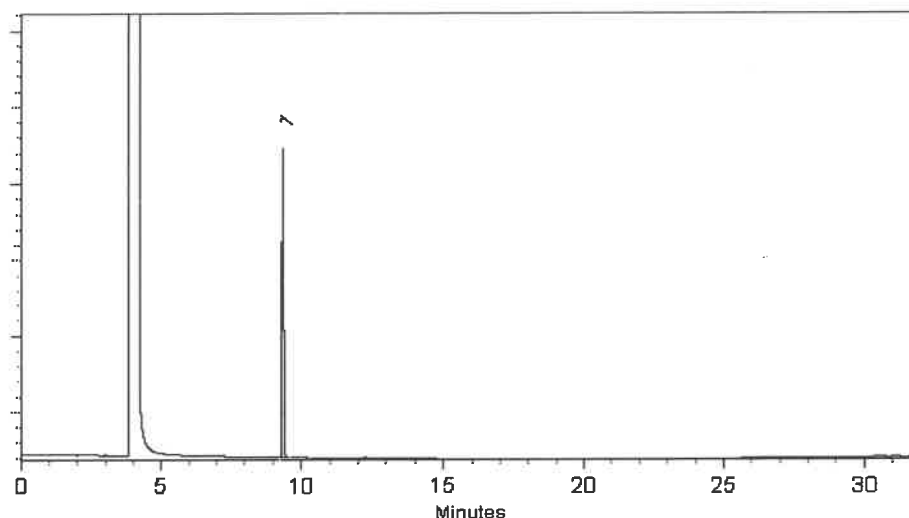
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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:

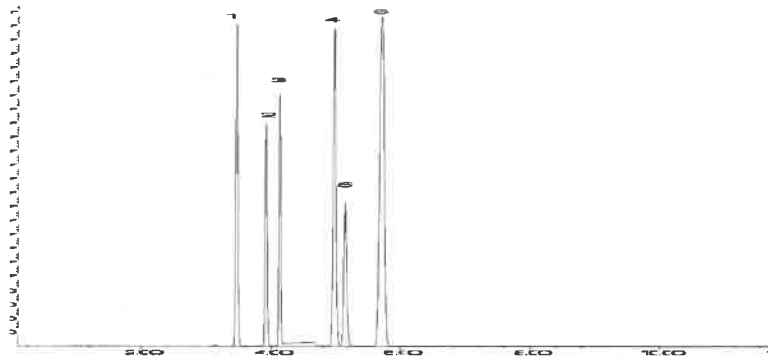
MSD

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.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
30 ml
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V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

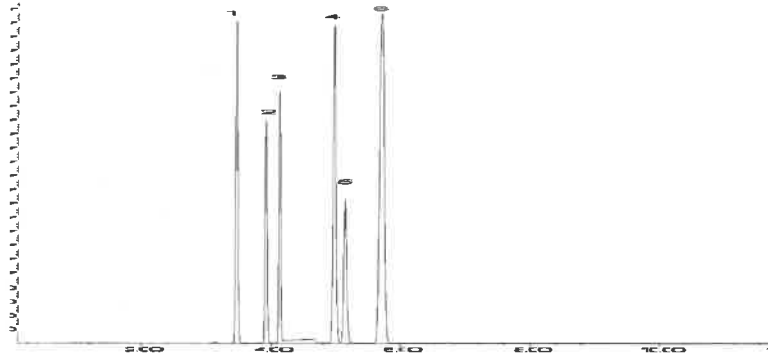
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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:

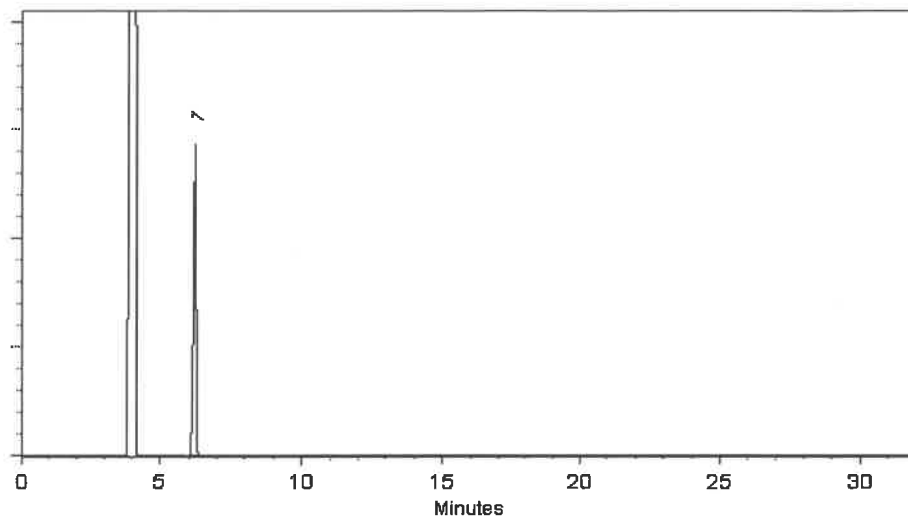
FID

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:

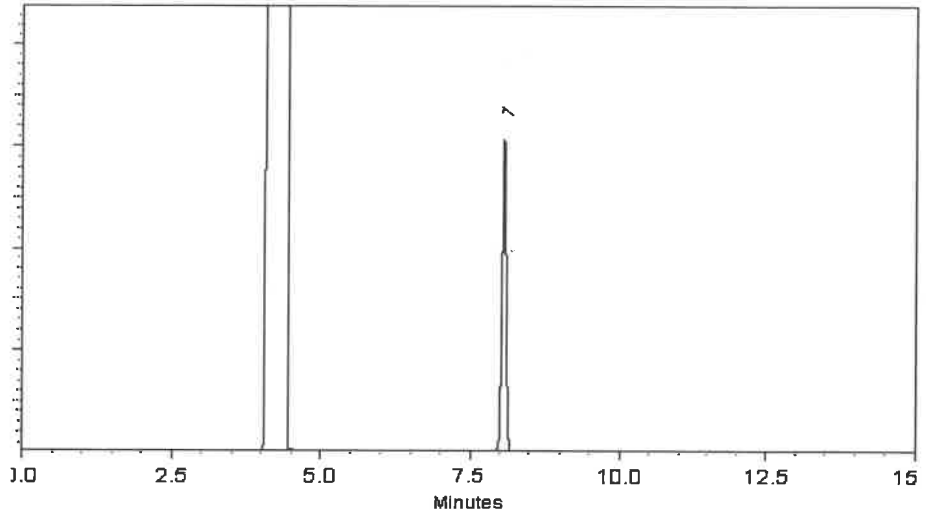
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

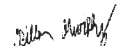


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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 Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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:

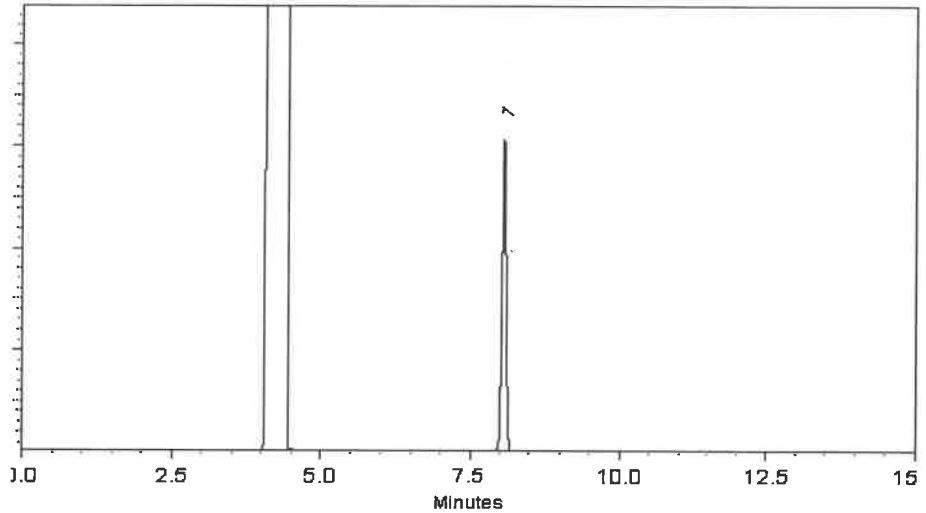
FID

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

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Manufacturing Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor[™]



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

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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



see 06/20/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 061925
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

Expiration Date: 071925

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

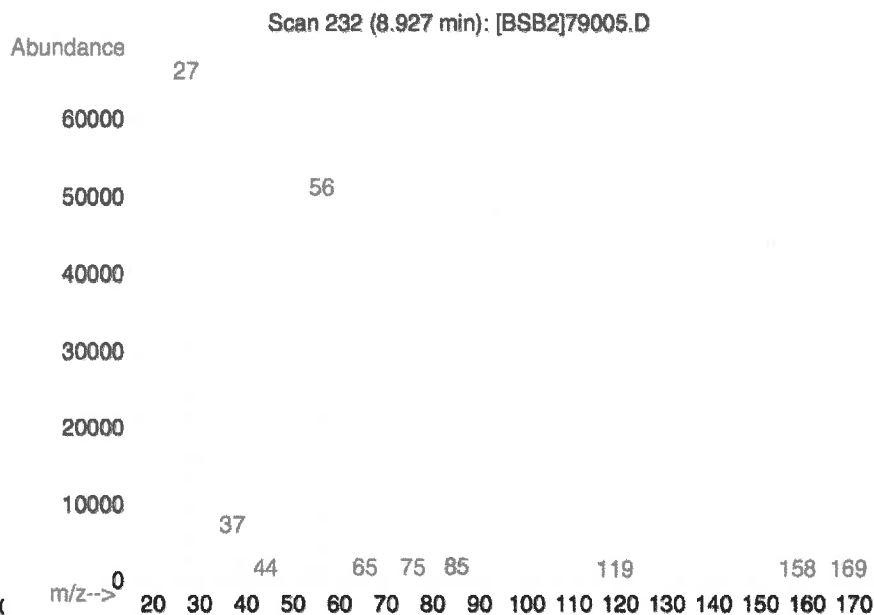
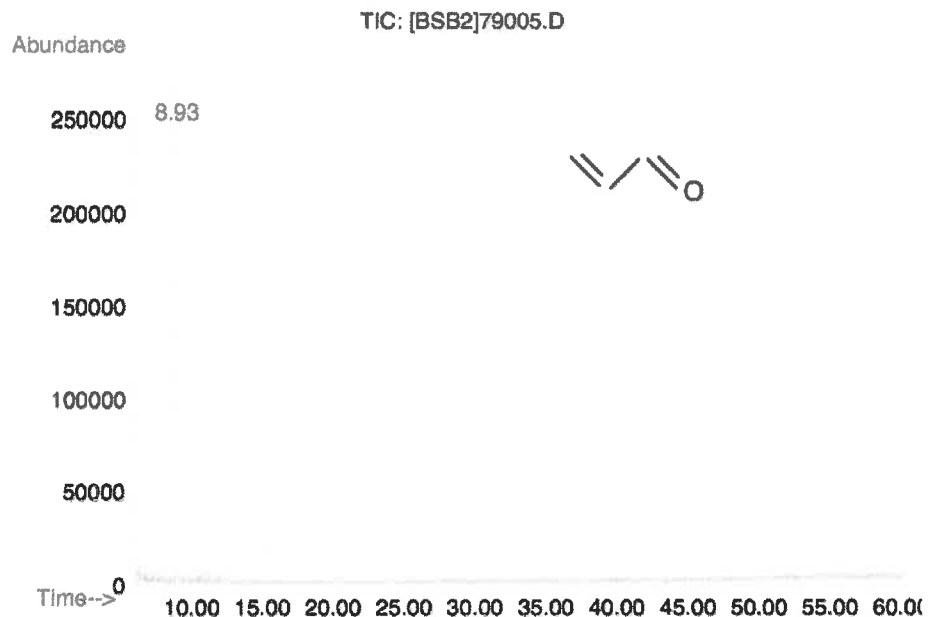
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		061925
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		061925
Reviewed By:	Pedro L. Rentas	DATE

V15028 to
V15032

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	0.05180	5013.7	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



see 06/20/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 061925
Description: Acrolein

Solvent(s):
Water
Lot#: 041725Q

Expiration Date: 071925

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

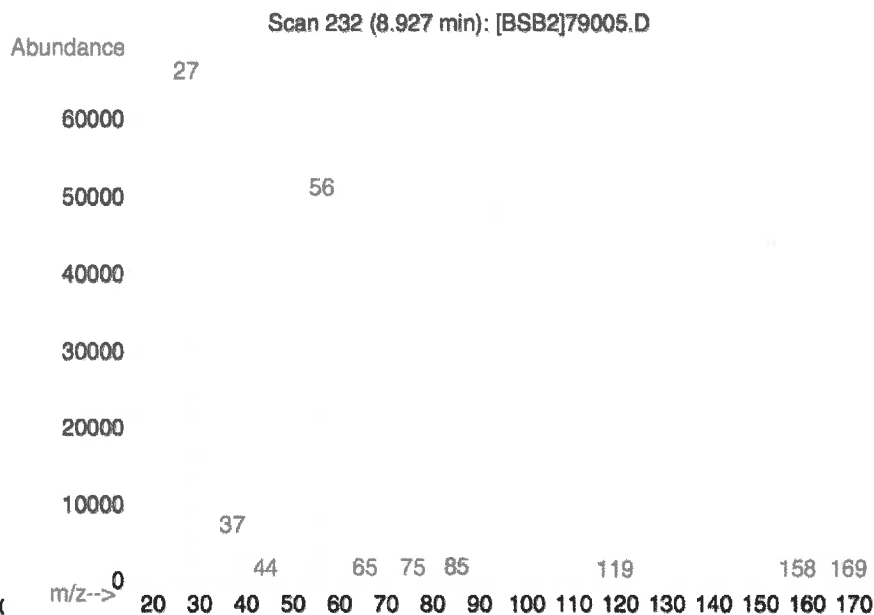
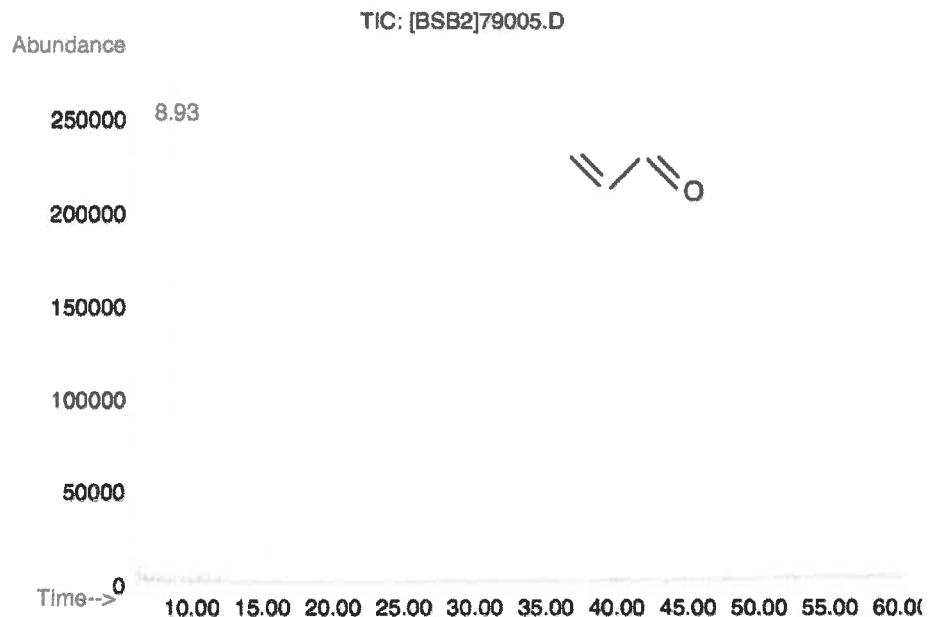
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		061925
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		061925
Reviewed By:	Pedro L. Rentas	DATE

115028 to
115032

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.)		
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- Rev 1.0, 2/25/2025



see 06/20/25 5 vial



CERTIFIED WEIGHT REPORT

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Water Lot# 041725Q

Expiration Date: 071925

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

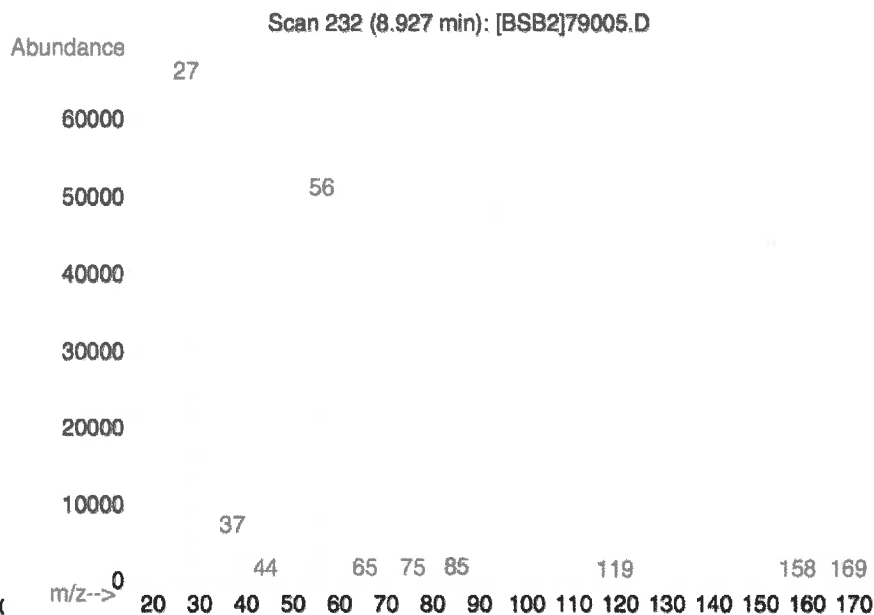
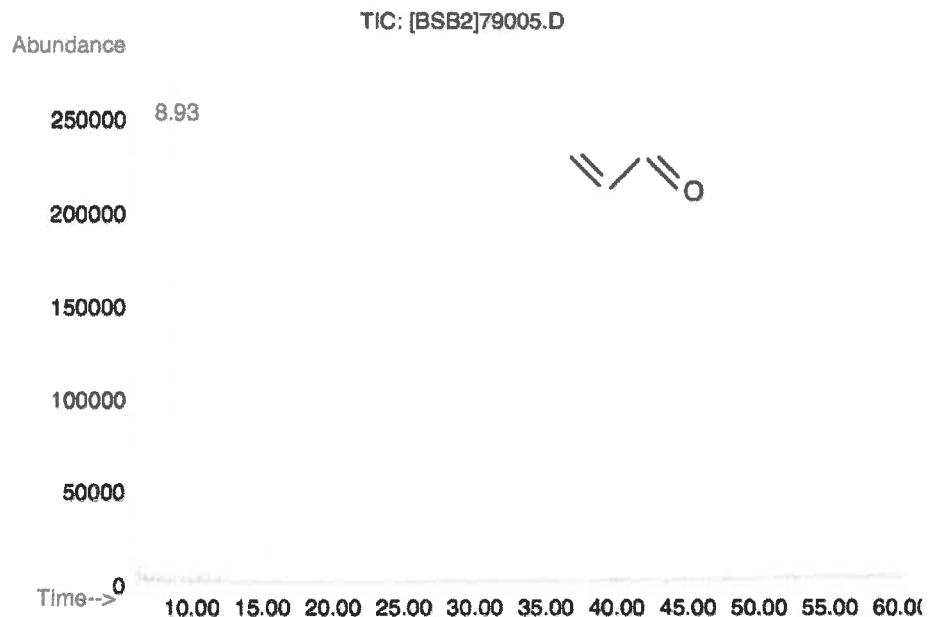
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Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		061925
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115028 to
115032

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- Rev 1.0, 2/25/2025

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2592-01	38.40-31.46=6.94	09:01	36.10-31.09=5.01	09:02	33.79-28.13=5.66	09:03	V14921	07/14/2025	8260 TERRACORE SAMPLES

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 Control # A3041177



SHIPPING DOCUMENTS

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

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Parsons**
ADDRESS: **301 Plainfield Road**
CITY: **Syracuse** STATE: **NY** ZIP: **13212**
ATTENTION: **Zohar Lavy**
PHONE: **(732) 796-5536** FAX: **-**

PROJECT NAME: **ConEd East River SI**
PROJECT NO.: **454534** LOCATION: **Manhattan**
PROJECT MANAGER: **Zohar Lavy**
e-mail: **Zohar.lavy@parsons.com**
PHONE: **(732) 796-5536** FAX: **-**

BILL TO: **Parsons** PO#: **454534**
ADDRESS: **301 Plainfield Road**
CITY: **Syracuse** STATE: **NY** ZIP: **13212**
ATTENTION: **Zohar Lavy** PHONE: **(732) 796-5536**

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **5-day rush** DAYS*
HARDCOPY (DATA PACKAGE): **5-day rush** DAYS*
EDD: **5-day rush** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT

1. VOCs, SVOCs
2. TAL metals
3. PCBs, TPH
4. TAP WIS, TAP SVOCs
5. TAP WIS, TAP SVOCs
6. TAP WIS, TAP SVOCs
7. TAP WIS, TAP SVOCs
8. TAP WIS, TAP SVOCs
9. TAP WIS, TAP SVOCs

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-Soil-20250711	S	X		7/11/25	1230	9	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. EMMA SAVER	DATE/TIME: 1440 7/11/25	RECEIVED BY: [Signature] 1440 7-11-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C Comments: Include Zohar.lavy@parsons.com and Kirsten.valentin@parsons.com on all data
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1637 7-11-25	RECEIVED BY: 3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2592 PARS02	Order Date : 7/11/2025 3:05:25 PM	Project Mgr :
Client Name : PARSONS Engineering of I	Project Name : Con Edison - East River Sit	Report Type : NYS ASP B
Client Contact : Zohar Lavy	Receive DateTime : 7/11/2025 12:00:00 AM 04:39:00 PM	EDD Type : NYSDEC EDD V-3
Invoice Name : PARSONS Engineering of I	Purchase Order :	Hard Copy Date :
Invoice Contact : Zohar Lavy		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2592-01	WC-SOIL-20250711	Solid	07/11/2025	12:30		VOCMS Group1	8260D		5 Bus. Days

DP 07/15/2025

Relinquished By :

Date / Time : 7/14/25 0725

Received By :

Date / Time : 07/14/25 10:00

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 7/11/25 @ 140
SAMPLES PLACED IN SM-REF-2

28#6
F22