

Cover Page

Order ID : Q1744

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q1744-01
Q1744-02
Q1744-03
Q1744-04

Client Sample Number

B-158-SB01
B-158-SB01
B-158-SB02
B-158-SB02

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: 4/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1744

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: NILESH PRAJAPATI

Date: 04/14/2025

LAB CHRONICLE

OrderID:	Q1744	OrderDate:	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-01	B-158-SB01	SOIL	VOC-TCLVOA-10	8260D	04/05/25		04/10/25	04/07/25
Q1744-02	B-158-SB01	TCLP	TCLP VOA	8260D	04/05/25		04/08/25	04/07/25
Q1744-03	B-158-SB02	SOIL	VOC-TCLVOA-10	8260D	04/05/25		04/10/25	04/07/25
Q1744-04	B-158-SB02	TCLP	TCLP VOA	8260D	04/05/25		04/08/25	04/07/25



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Hit Summary Sheet
SW-846

SDG No.: Q1744
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B-158-SB02							
Q1744-03	B-158-SB02	SOIL	Acetone	340		7.90	41.8	ug/Kg
Q1744-03	B-158-SB02	SOIL	2-Butanone	84.8		10.9	41.8	ug/Kg
			Total Voc :		425			
			Total Concentration:		425			



QC SUMMARY

Surrogate Summary

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1744-01	B-158-SB01	1,2-Dichloroethane-d4	50	57.3	115	70 (63)	130 (155)
		Dibromofluoromethane	50	52.6	105	70 (70)	130 (134)
		Toluene-d8	50	49.1	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.5	81	70 (38)	130 (136)
Q1744-03	B-158-SB02	1,2-Dichloroethane-d4	50	55.9	112	70 (63)	130 (155)
		Dibromofluoromethane	50	52.6	105	70 (70)	130 (134)
		Toluene-d8	50	49.1	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.6	75	70 (38)	130 (136)
VY0410SBL01	VY0410SBL01	1,2-Dichloroethane-d4	50	46.6	93	70 (63)	130 (155)
		Dibromofluoromethane	50	49.9	100	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.3	77	70 (38)	130 (136)
VY0410SBS01	VY0410SBS01	1,2-Dichloroethane-d4	50	49.2	98	70 (63)	130 (155)
		Dibromofluoromethane	50	53.4	107	70 (70)	130 (134)
		Toluene-d8	50	54.3	109	70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.3	107	70 (38)	130 (136)
VY0410SBSD01	VY0410SBSD01	1,2-Dichloroethane-d4	50	48.5	97	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.7	101	70 (38)	130 (136)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0410SBS01	Dichlorodifluoromethane	20	18.4	ug/Kg	92			40 (64)	160 (136)	
	Chloromethane	20	19.9	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.0	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	20	19.3	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			70 (79)	130 (121)	
	Acetone	100	92.0	ug/Kg	92			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	17.4	ug/Kg	87			70 (77)	130 (129)	
	Methyl Acetate	20	18.0	ug/Kg	90			70 (69)	130 (149)	
	Methylene Chloride	20	20.7	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	18.4	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	87.3	ug/Kg	87			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	19.5	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	20.4	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	85.8	ug/Kg	86			40 (70)	160 (135)	
	Toluene	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	86.4	ug/Kg	86			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.9	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	20.6	ug/Kg	103			70 (84)	130 (122)	
	Ethyl Benzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	42.1	ug/Kg	105			70 (83)	130 (124)	
	o-Xylene	20	20.4	ug/Kg	102			70 (83)	130 (123)	
	Styrene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	19.5	ug/Kg	98			70 (75)	130 (127)	
	Isopropylbenzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0410SBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/Kg	88			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0410SBSD01	Dichlorodifluoromethane	20	18.2	ug/Kg	91	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.7	ug/Kg	99	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.6	ug/Kg	93	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.7	ug/Kg	94	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.1	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	3		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.8	ug/Kg	94	6		70 (79)	130 (121)	30 (20)
	Acetone	100	94.7	ug/Kg	95	3		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.3	ug/Kg	92	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	18.7	ug/Kg	94	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.8	ug/Kg	104	14		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.0	ug/Kg	100	4		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.1	ug/Kg	91	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	92.4	ug/Kg	92	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.3	ug/Kg	97	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.1	ug/Kg	96	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.0	ug/Kg	100	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.6	ug/Kg	103	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96	11		40 (70)	160 (135)	30 (20)
	Toluene	20	20.7	ug/Kg	104	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.1	ug/Kg	96	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	4		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	94.7	ug/Kg	95	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	3		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.9	ug/Kg	100	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.9	ug/Kg	100	3		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.6	ug/Kg	102	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.2	ug/Kg	101	1		70 (83)	130 (123)	30 (20)
	Styrene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.2	ug/Kg	101	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.1	ug/Kg	96	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93	2		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101	1		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0410SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	11		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	7		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0410SBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1744

SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021827.D

Lab Sample ID: VY0410SBL01

Date Analyzed: 04/10/2025

Time Analyzed: 10:28

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0410SBS01	VY0410SBS01	VY021828.D	04/10/2025
VY0410SBSD01	VY0410SBSD01	VY021829.D	04/10/2025
B-158-SB01	Q1744-01	VY021835.D	04/10/2025
B-158-SB02	Q1744-03	VY021836.D	04/10/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744
Lab File ID: VY021655.D BFB Injection Date: 03/27/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021656.D	03/27/2025	10:08
VSTDIC010	VSTDIC010	VY021657.D	03/27/2025	10:31
VSTDIC020	VSTDIC020	VY021658.D	03/27/2025	10:54
VSTDIC050	VSTDIC050	VY021659.D	03/27/2025	11:16
VSTDIC100	VSTDIC100	VY021660.D	03/27/2025	11:39
VSTDIC150	VSTDIC150	VY021661.D	03/27/2025	12:02



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744
Lab File ID: VY021825.D BFB Injection Date: 04/10/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:34
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.7 (8.2) 1
176	95.0 - 101.0% of mass 174	78.2 (95.7) 1
177	5.0 - 9.0% of mass 176	5.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021826.D	04/10/2025	09:51
VY0410SBL01	VY0410SBL01	VY021827.D	04/10/2025	10:28
VY0410SBS01	VY0410SBS01	VY021828.D	04/10/2025	10:59
VY0410SBSD01	VY0410SBSD01	VY021829.D	04/10/2025	11:22
B-158-SB01	Q1744-01	VY021835.D	04/10/2025	14:03
B-158-SB02	Q1744-03	VY021836.D	04/10/2025	14:26

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744
 Lab File ID: VY021826.D Date Analyzed: 04/10/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:51
 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	208417	7.71	315600	8.62	284701	11.42
UPPER LIMIT	416834	8.213	631200	9.122	569402	11.92
LOWER LIMIT	104209	7.213	157800	8.122	142351	10.92
EPA SAMPLE NO.						
B-158-SB01	219582	7.71	409739	8.62	351379	11.42
B-158-SB02	221830	7.71	407665	8.62	345604	11.42
VY0410SBL01	241941	7.71	436661	8.62	362482	11.42
VY0410SBS01	202932	7.71	310477	8.62	276303	11.42
VY0410SBSD01	207811	7.71	318832	8.62	284393	11.42

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744
 Lab File ID: VY021826.D Date Analyzed: 04/10/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:51
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	147243	13.353				
UPPER LIMIT	294486	13.853				
LOWER LIMIT	73621.5	12.853				
EPA SAMPLE NO.						
B-158-SB01	126397	13.35				
B-158-SB02	111730	13.35				
VY0410SBL01	131635	13.35				
VY0410SBS01	144045	13.35				
VY0410SBSD01	148690	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	7.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021835.D	1		04/10/25 14:03	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.70	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	04/05/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	04/07/25	
Client Sample ID:	B-158-SB01			SDG No.:	Q1744	
Lab Sample ID:	Q1744-01			Matrix:	SOIL	
Analytical Method:	SW8260			% Solid:	90	
Sample Wt/Vol:	7.42	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021835.D	1		04/10/25 14:03	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		70 (38) - 130 (136)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.713			
540-36-3	1,4-Difluorobenzene	410000	8.616			
3114-55-4	Chlorobenzene-d5	351000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	7.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021835.D	1		04/10/25 14:03	VY041025

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_Y\Data\VY041025\
 Data File : VY021835.D
 Acq On : 10 Apr 2025 14:03
 Operator : SY/MD
 Sample : Q1744-01
 Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-158-SB01

Quant Time: Apr 11 01:50:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	219582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	409739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136380	57.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.640%
35) Dibromofluoromethane	7.634	113	139811	52.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.200%
50) Toluene-d8	10.109	98	496263	49.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.408	95	138498	40.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.980%

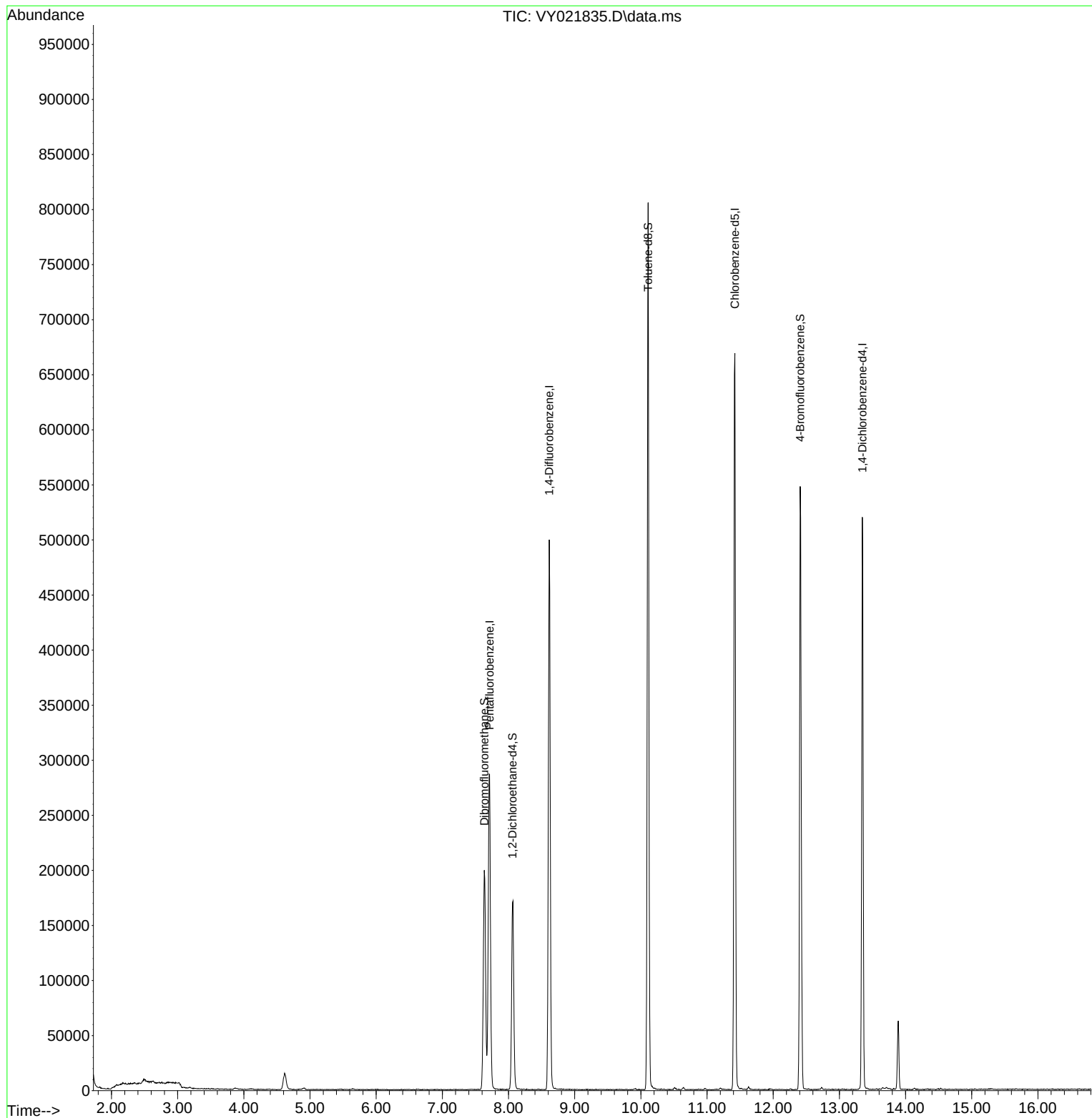
Target Compounds	Qvalue

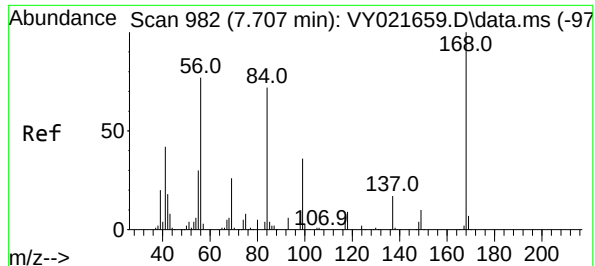
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 01:50:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

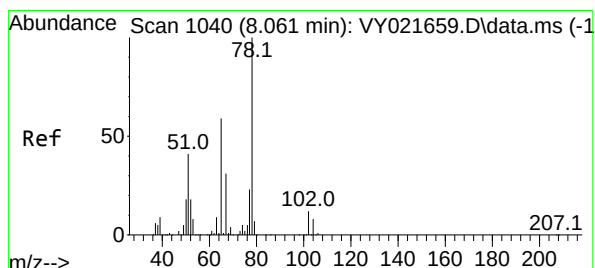
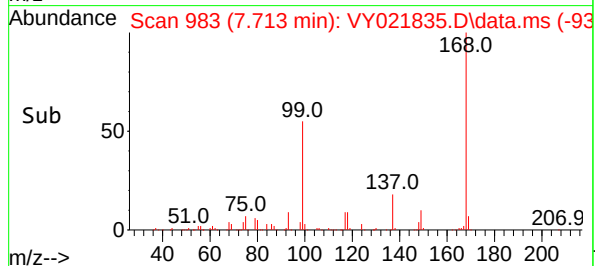
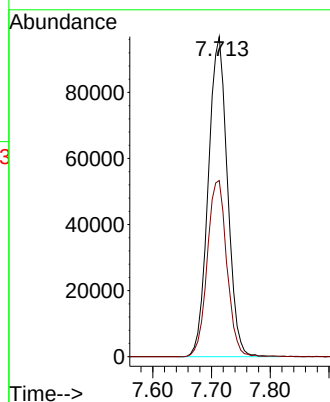
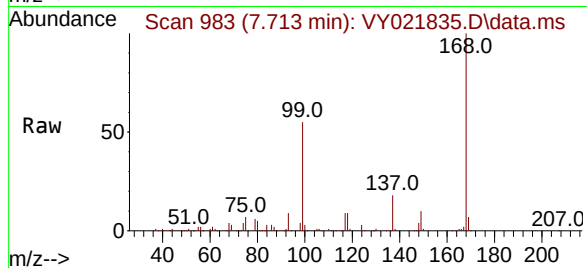




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

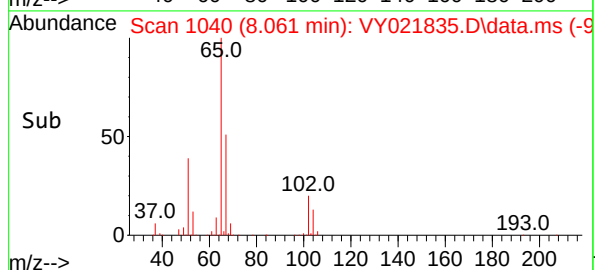
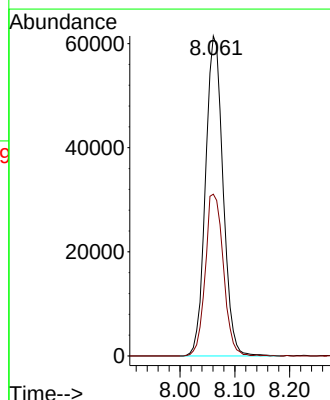
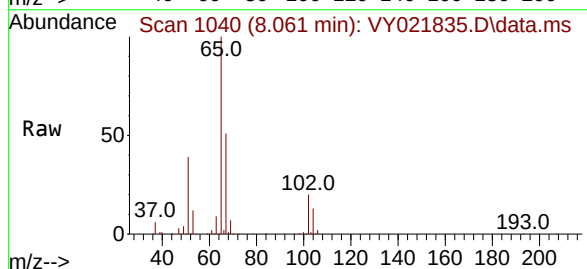
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

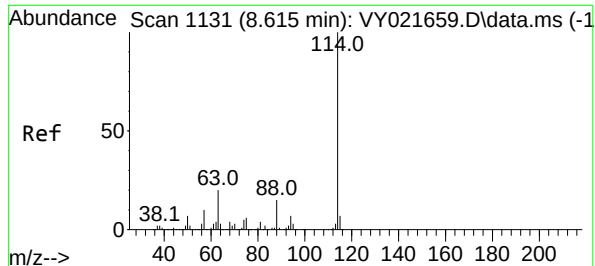
Tgt Ion:168 Resp: 219582
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 57.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 65 Resp: 136380
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

B-158-SB01

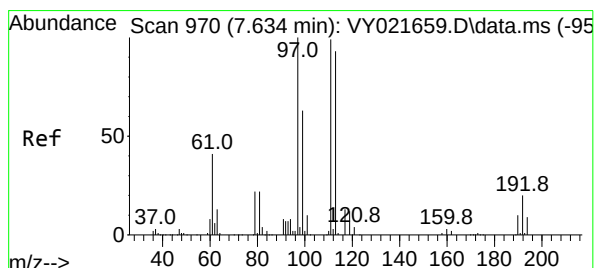
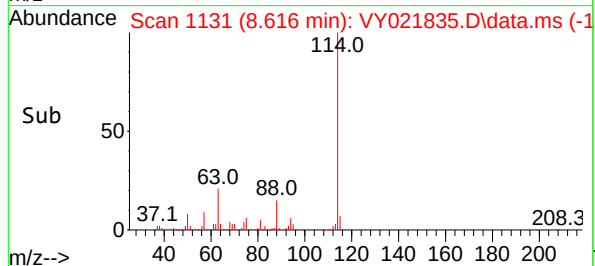
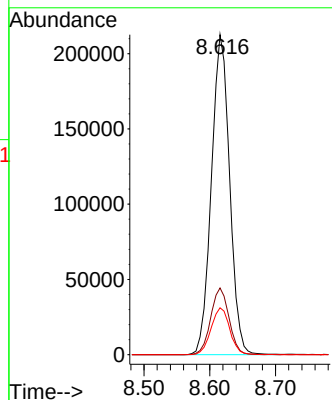
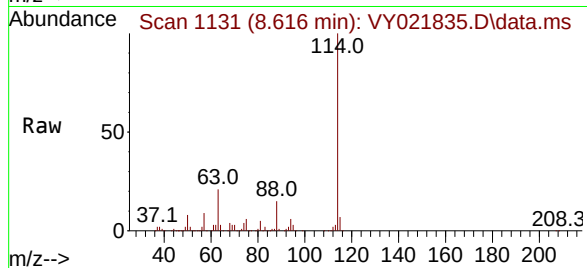
Tgt Ion:114 Resp: 409739

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 14.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.602 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

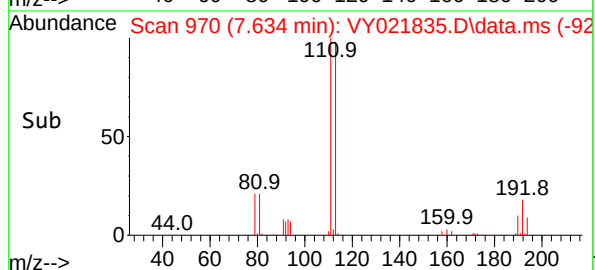
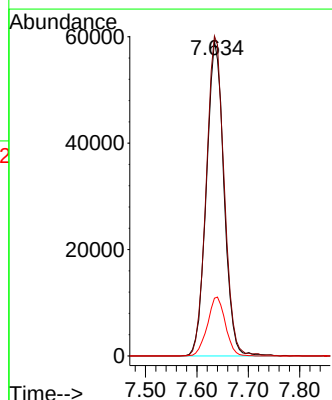
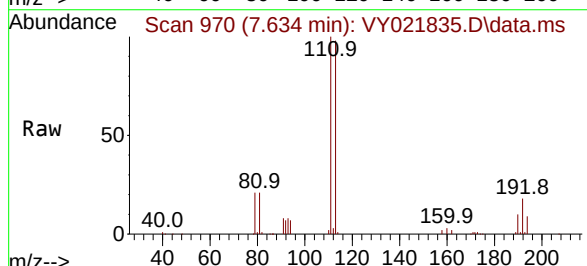
Tgt Ion:113 Resp: 139811

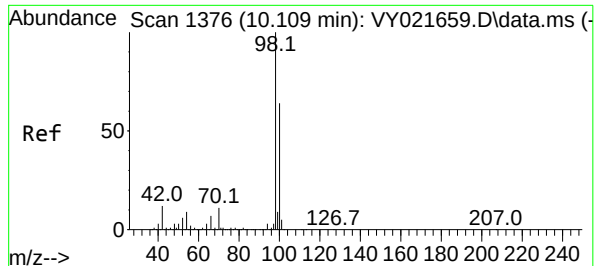
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.2 16.2 24.4





#50

Toluene-d8

Concen: 49.079 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

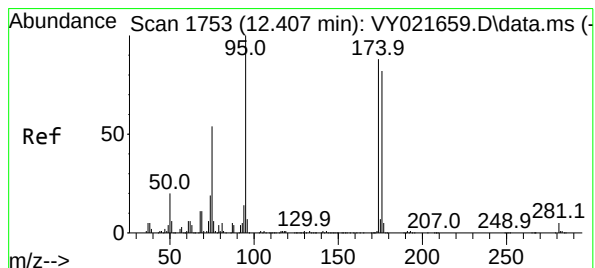
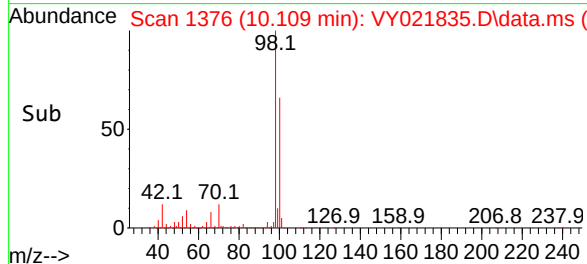
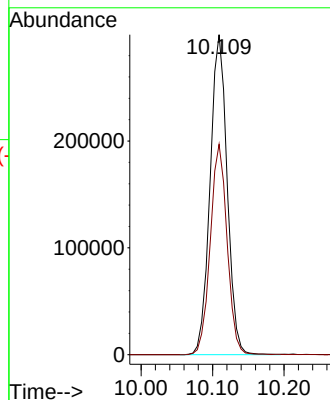
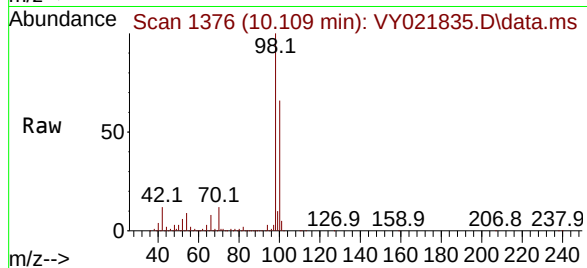
B-158-SB01

Tgt Ion: 98 Resp: 496263

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.494 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

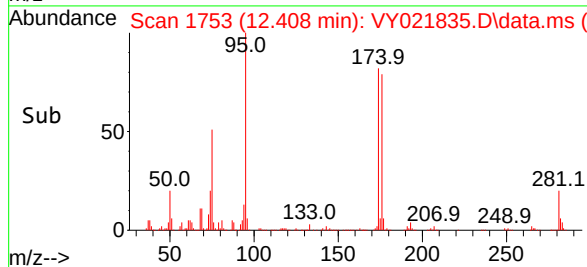
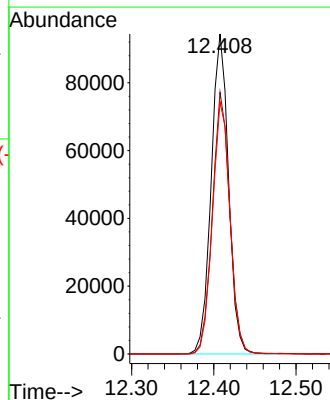
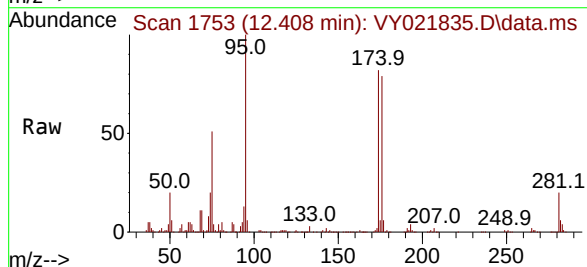
Tgt Ion: 95 Resp: 138498

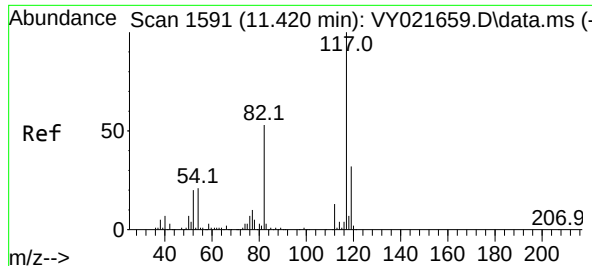
Ion Ratio Lower Upper

95 100

174 81.8 0.0 170.8

176 80.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

B-158-SB01

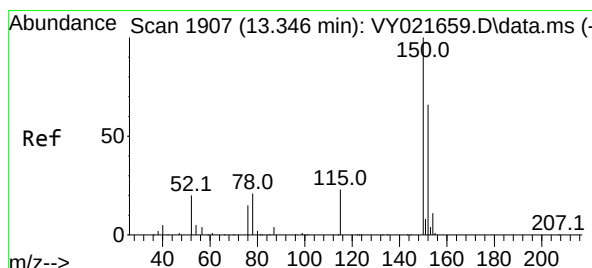
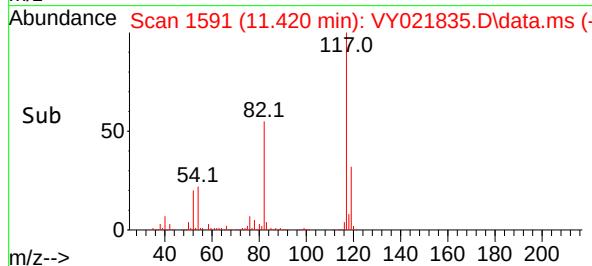
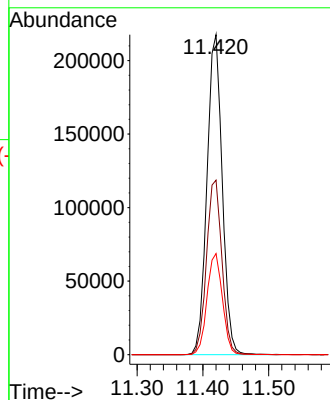
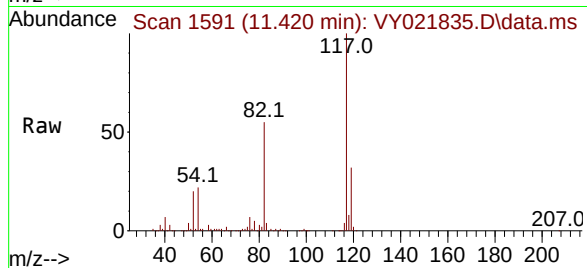
Tgt Ion:117 Resp: 351379

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021835.D

Acq: 10 Apr 2025 14:03

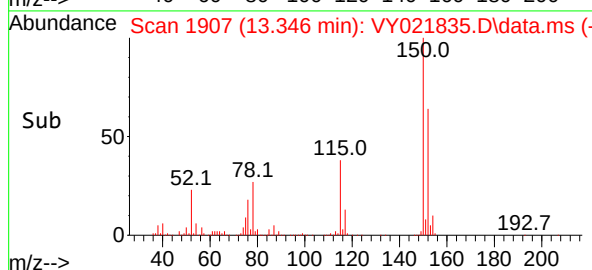
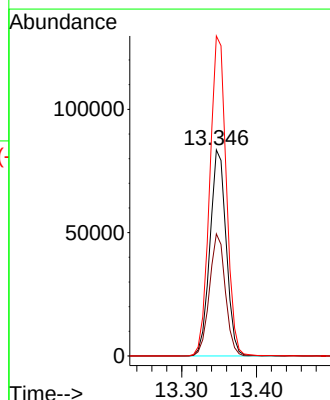
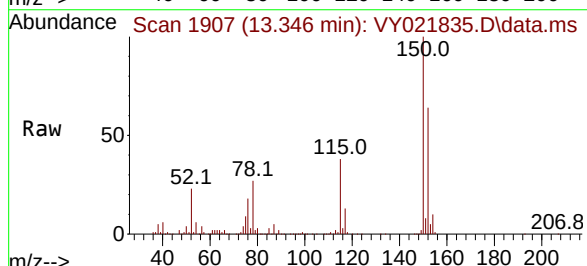
Tgt Ion:152 Resp: 126397

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 157.9 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

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_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021835.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	487	rBV	14867	47330	3.53%	0.692%
2	7.634	959	970	976	rBV	199139	474119	35.37%	6.932%
3	7.707	976	982	997	rVB	286217	670845	50.05%	9.809%
4	8.067	1031	1041	1052	rBV	170915	385357	28.75%	5.635%
5	8.616	1123	1131	1143	rBV	499187	973174	72.61%	14.230%
6	10.109	1367	1376	1389	rBV	805486	1340293	100.00%	19.597%
7	11.420	1582	1591	1603	rBV	668603	1103309	82.32%	16.132%
8	12.408	1746	1753	1763	rBV2	547480	956899	71.39%	13.992%
9	13.346	1896	1907	1916	rBV	519541	788395	58.82%	11.528%
10	13.889	1988	1996	2003	rVB2	62237	99390	7.42%	1.453%

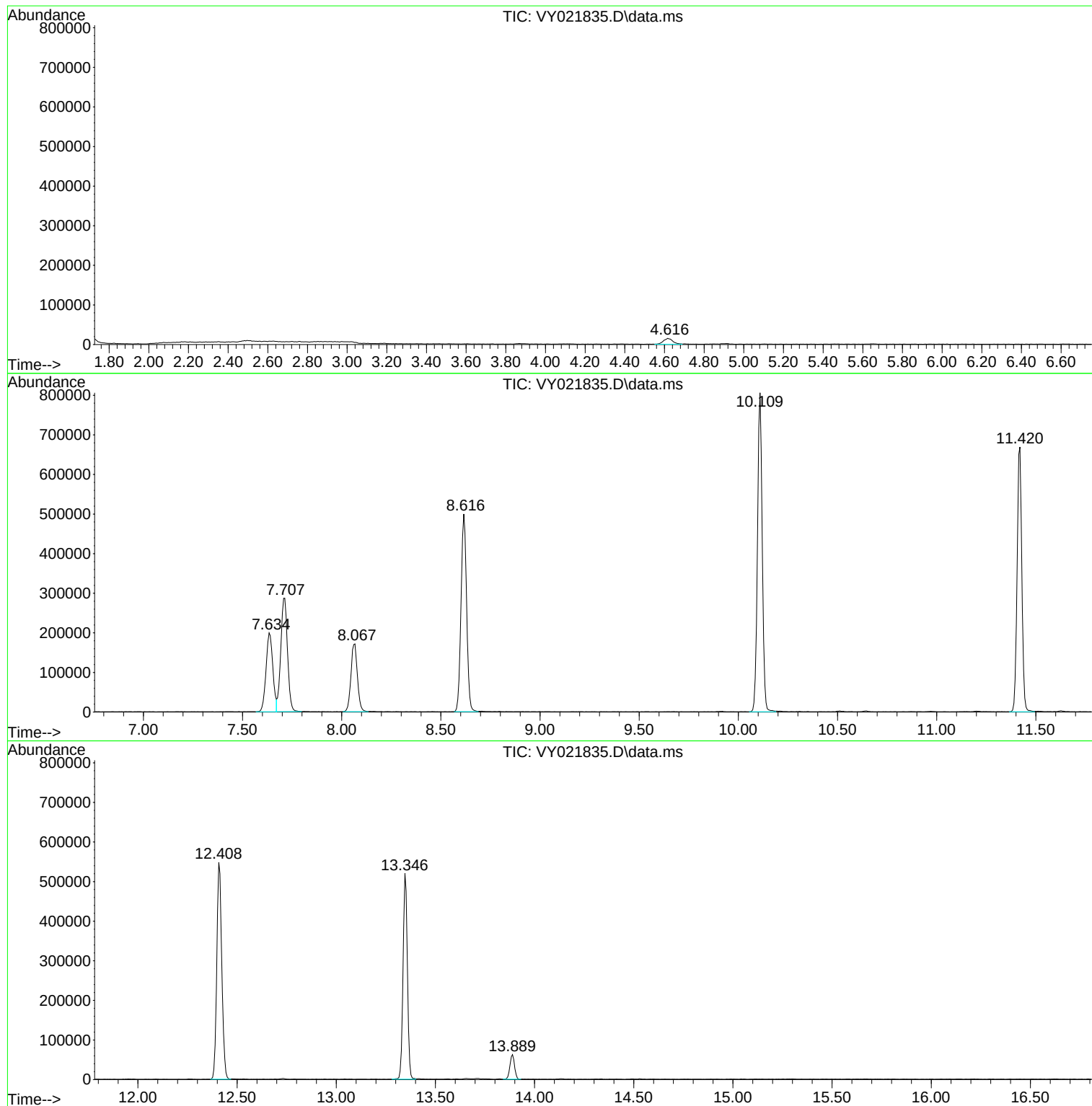
Sum of corrected areas: 6839111

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021836.D	1		04/10/25 14:26	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	8.40	ug/Kg
74-87-3	Chloromethane	1.90	U	1.90	8.40	ug/Kg
75-01-4	Vinyl Chloride	1.30	U	1.30	8.40	ug/Kg
74-83-9	Bromomethane	1.80	U	1.80	8.40	ug/Kg
75-00-3	Chloroethane	2.10	U	2.10	8.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.00	U	2.00	8.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1.80	8.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	1.70	8.40	ug/Kg
67-64-1	Acetone	340		7.90	41.8	ug/Kg
75-15-0	Carbon Disulfide	1.80	U	1.80	8.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.20	U	1.20	8.40	ug/Kg
79-20-9	Methyl Acetate	2.60	U	2.60	8.40	ug/Kg
75-09-2	Methylene Chloride	5.90	U	5.90	16.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.40	U	1.40	8.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	8.40	ug/Kg
110-82-7	Cyclohexane	1.30	U	1.30	8.40	ug/Kg
78-93-3	2-Butanone	84.8		10.9	41.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.60	U	1.60	8.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	8.40	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	8.40	ug/Kg
67-66-3	Chloroform	1.40	U	1.40	8.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	8.40	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	1.50	8.40	ug/Kg
71-43-2	Benzene	1.30	U	1.30	8.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.30	U	1.30	8.40	ug/Kg
79-01-6	Trichloroethene	1.40	U	1.40	8.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	1.50	8.40	ug/Kg
75-27-4	Bromodichloromethane	1.30	U	1.30	8.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.00	U	6.00	41.8	ug/Kg
108-88-3	Toluene	1.30	U	1.30	8.40	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021836.D	1		04/10/25 14:26	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.10	U	1.10	8.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1.00	8.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	1.50	8.40	ug/Kg
591-78-6	2-Hexanone	6.20	U	6.20	41.8	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	8.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	1.50	8.40	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	8.40	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	8.40	ug/Kg
100-41-4	Ethyl Benzene	1.10	U	1.10	8.40	ug/Kg
179601-23-1	m/p-Xylenes	2.10	U	2.10	16.7	ug/Kg
95-47-6	o-Xylene	1.40	U	1.40	8.40	ug/Kg
100-42-5	Styrene	1.20	U	1.20	8.40	ug/Kg
75-25-2	Bromoform	1.40	U	1.40	8.40	ug/Kg
98-82-8	Isopropylbenzene	1.30	U	1.30	8.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	2.00	8.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	2.90	8.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.60	U	2.60	8.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.40	U	2.40	8.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	3.10	8.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	5.00	8.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.30	U	5.30	8.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.616			
3114-55-4	Chlorobenzene-d5	346000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021836.D	1		04/10/25 14:26	VY041025

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_Y\Data\VY041025\
 Data File : VY021836.D
 Acq On : 10 Apr 2025 14:26
 Operator : SY/MD
 Sample : Q1744-03
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-158-SB02

Quant Time: Apr 11 01:50:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

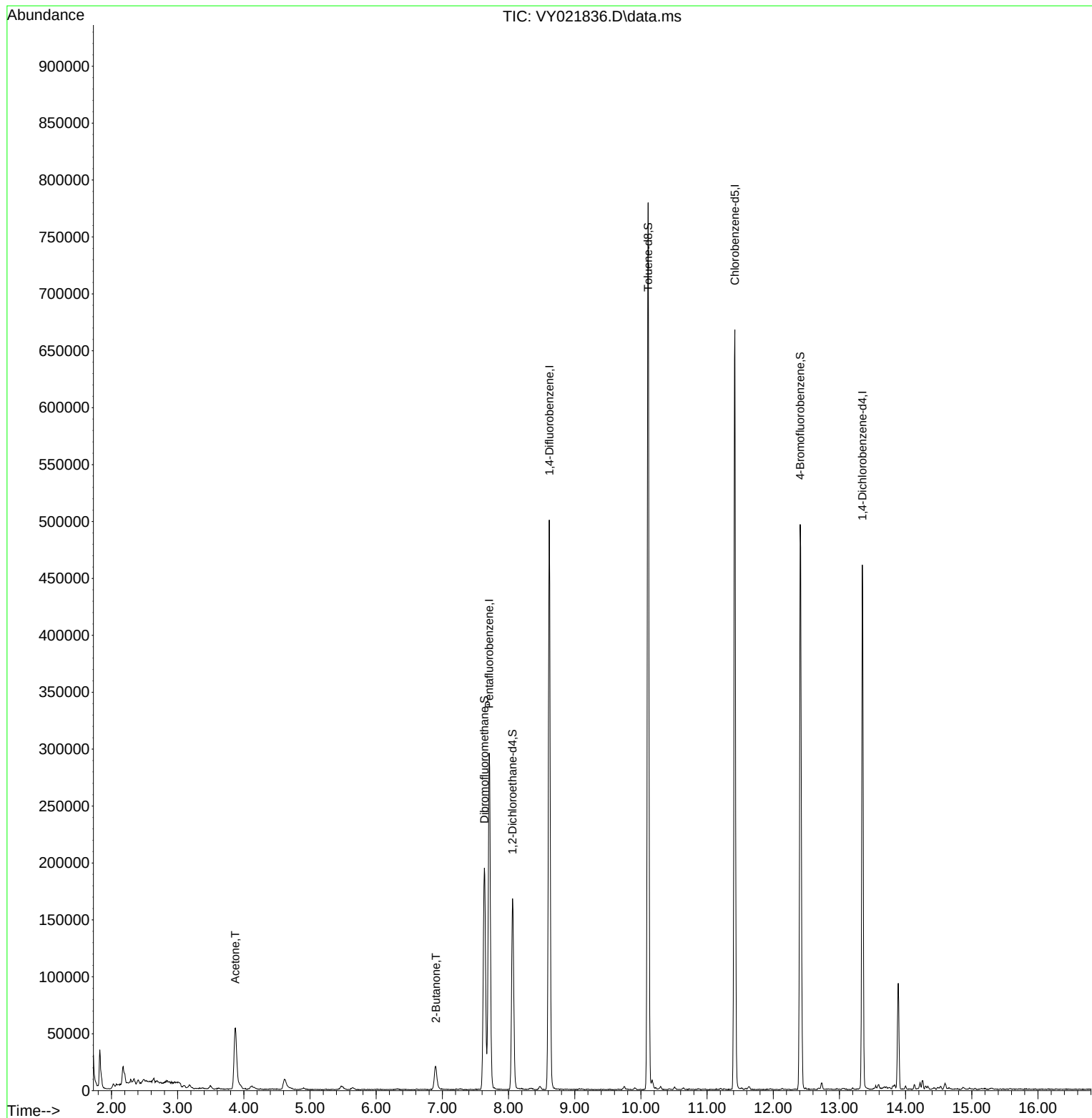
Internal Standards						
1) Pentafluorobenzene	7.707	168	221830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134386	55.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.820%
35) Dibromofluoromethane	7.634	113	139096	52.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.200%
50) Toluene-d8	10.109	98	494435	49.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.408	95	127916	37.591	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.180%
Target Compounds						
16) Acetone	3.873	43	100429	204.168	ug/l	Qvalue 98
25) 2-Butanone	6.902	43	35647	50.737	ug/l	94

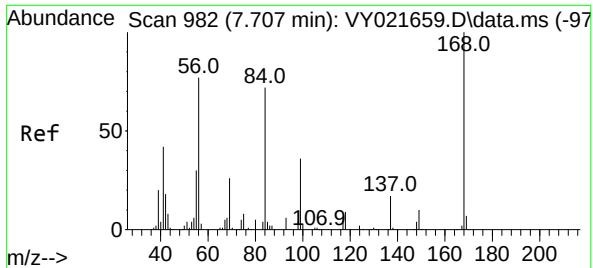
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 01:50:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

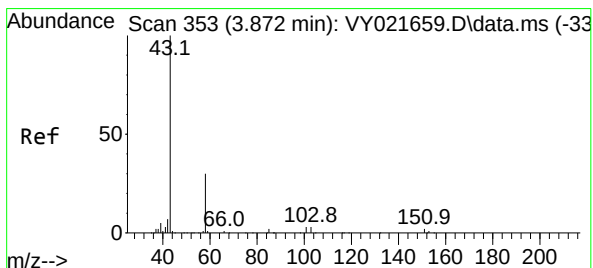
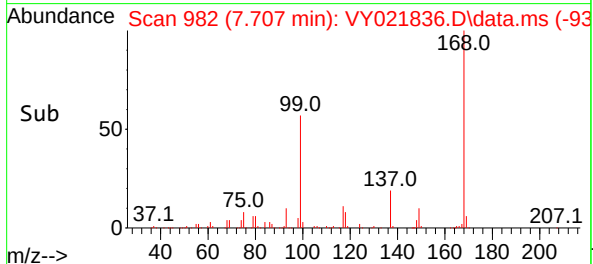
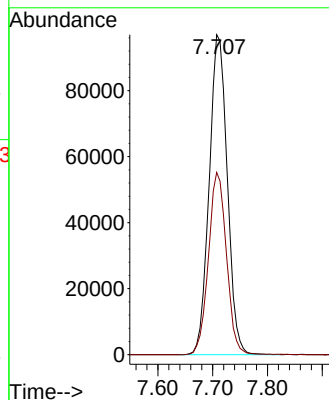
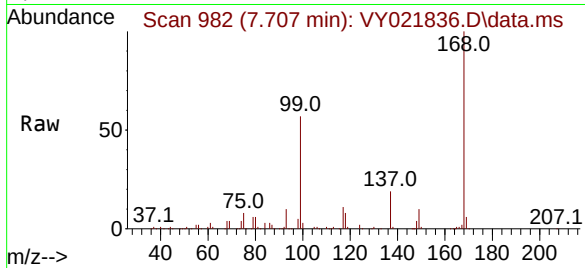




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

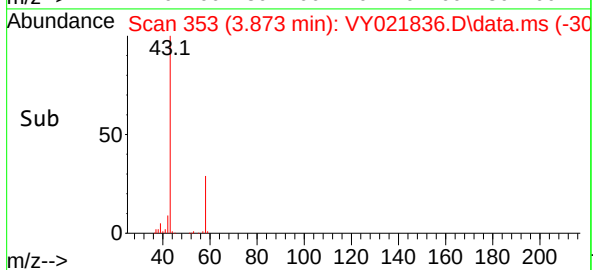
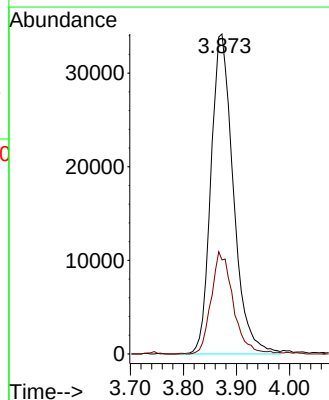
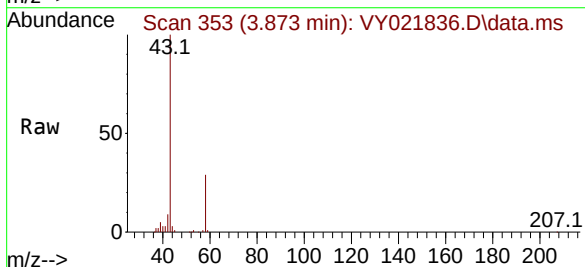
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

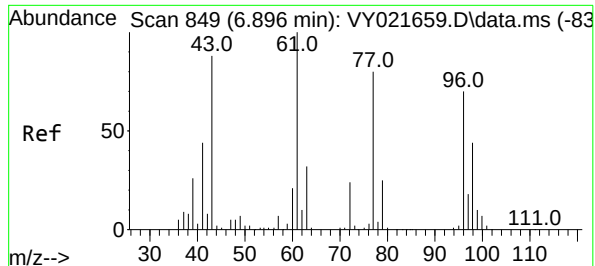
Tgt Ion:168 Resp: 221830
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#16
Acetone
Concen: 204.168 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion: 43 Resp: 100429
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.4





#25

2-Butanone

Concen: 50.737 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

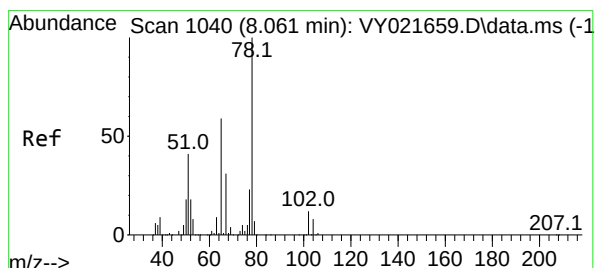
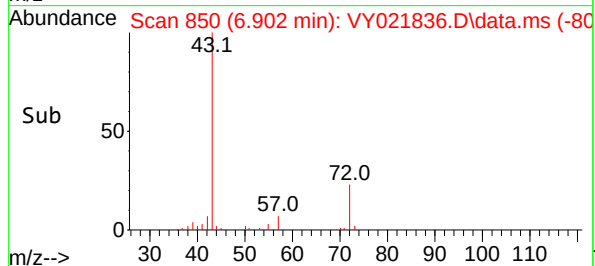
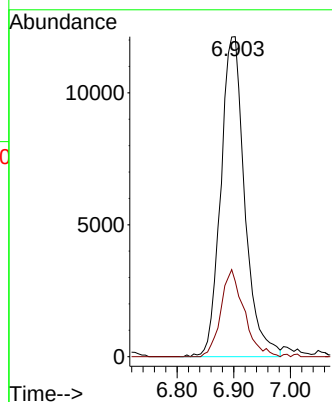
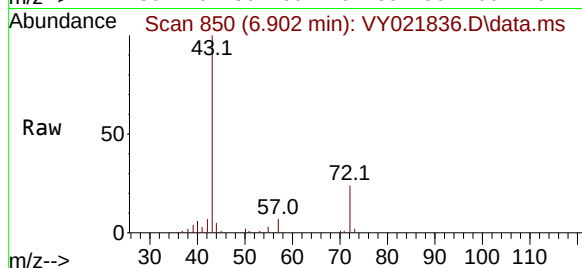
B-158-SB02

Tgt Ion: 43 Resp: 35647

Ion Ratio Lower Upper

43 100

72 23.5 21.4 32.2



#33

1,2-Dichloroethane-d4

Concen: 55.913 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021836.D

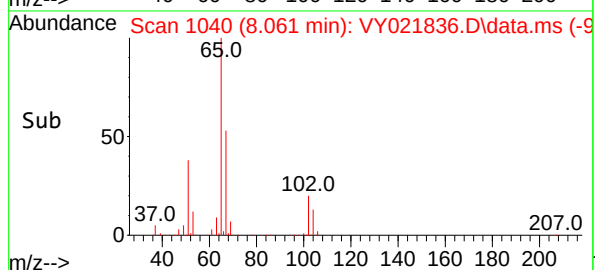
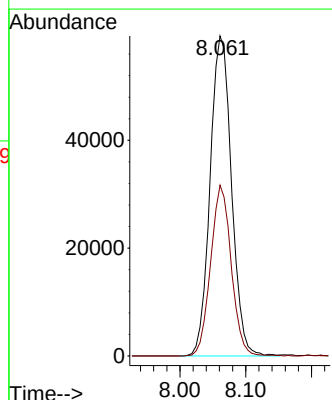
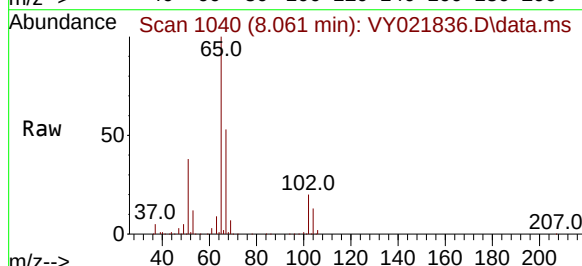
Acq: 10 Apr 2025 14:26

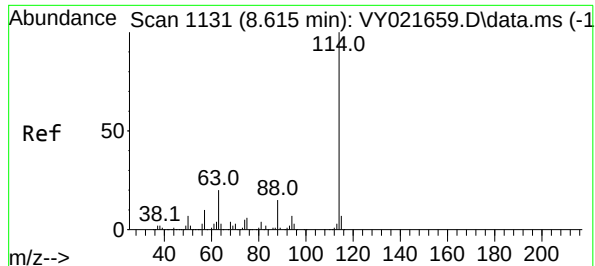
Tgt Ion: 65 Resp: 134386

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

B-158-SB02

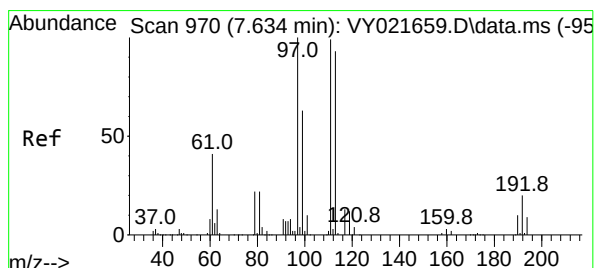
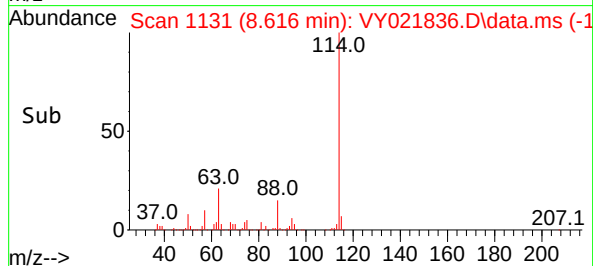
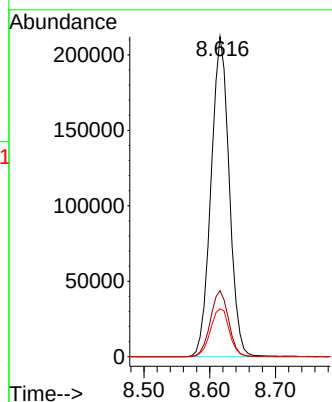
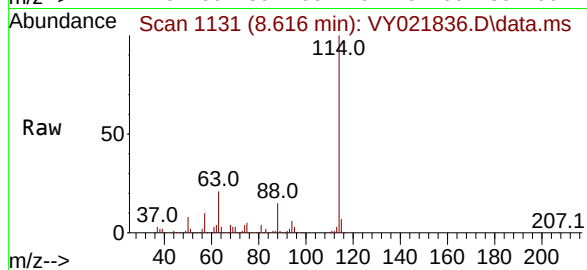
Tgt Ion:114 Resp: 407665

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.599 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

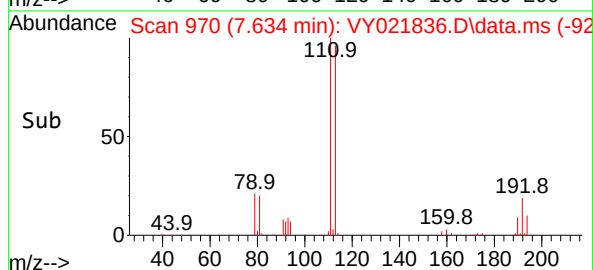
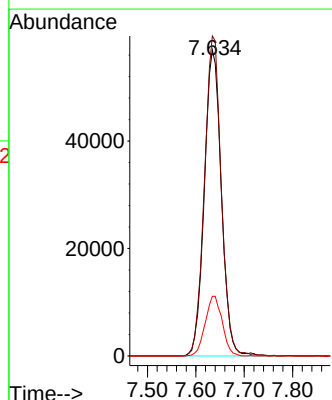
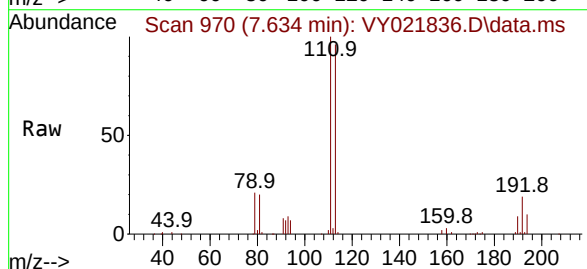
Tgt Ion:113 Resp: 139096

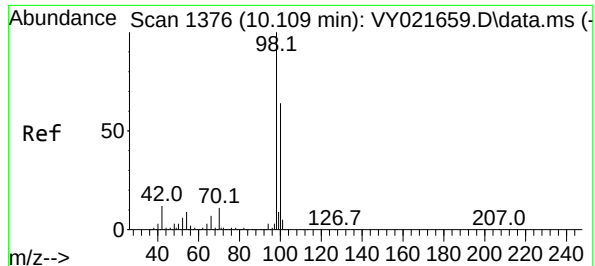
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 19.5 16.2 24.4





#50

Toluene-d8

Concen: 49.147 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

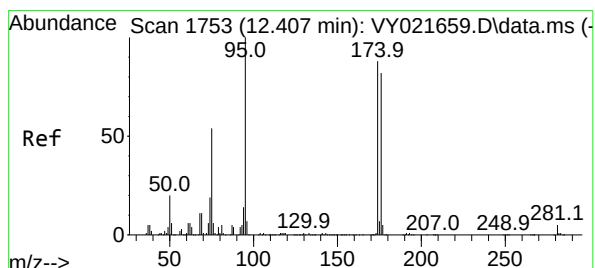
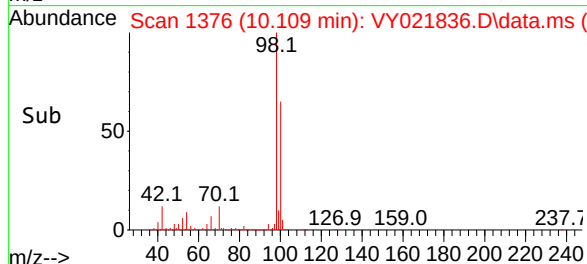
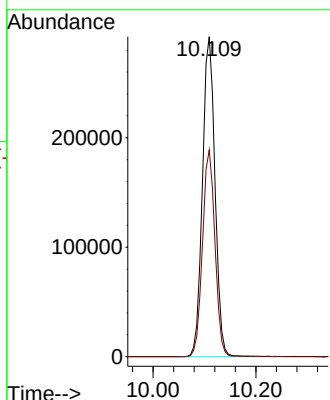
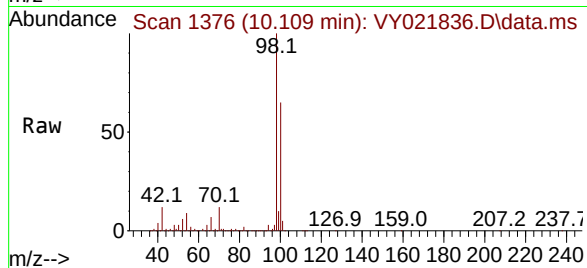
B-158-SB02

Tgt Ion: 98 Resp: 494435

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 37.591 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

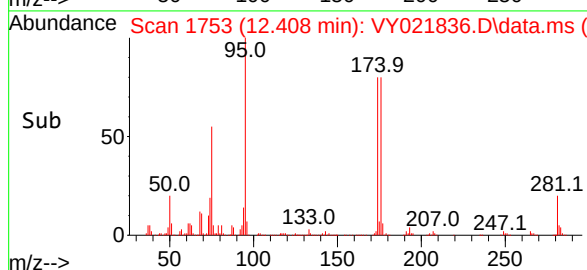
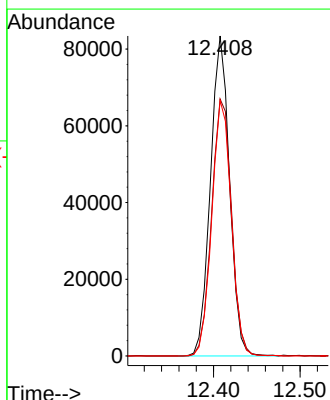
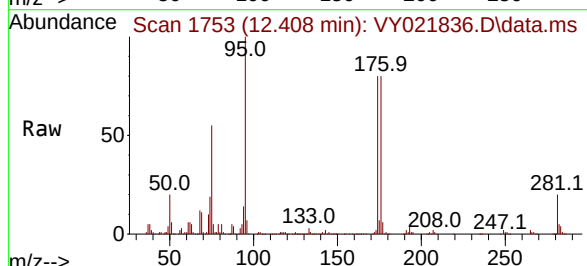
Tgt Ion: 95 Resp: 127916

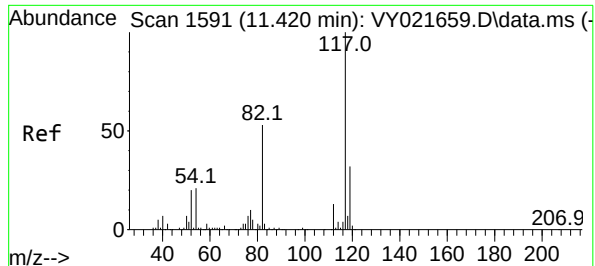
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.8

176 81.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

B-158-SB02

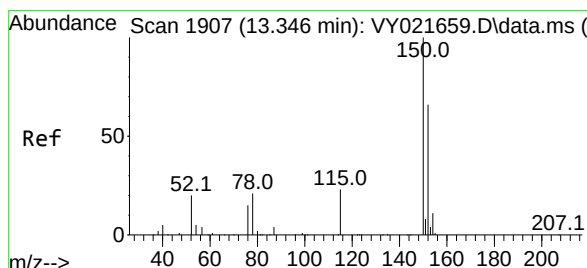
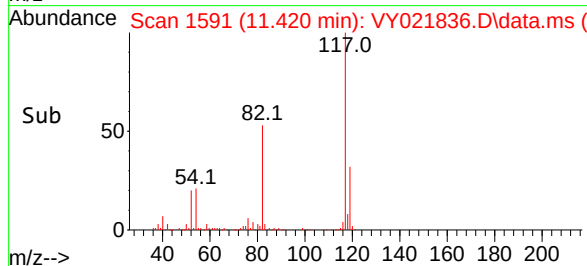
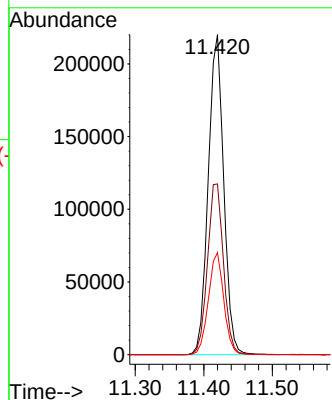
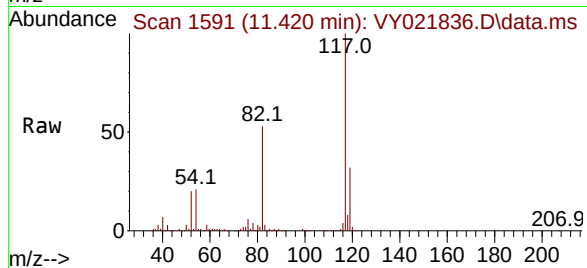
Tgt Ion:117 Resp: 345604

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

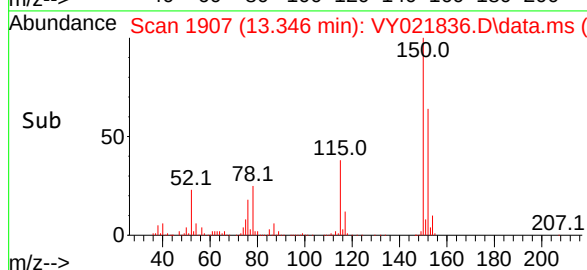
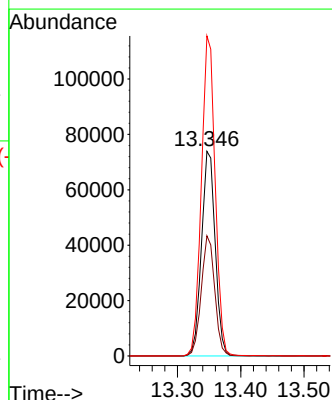
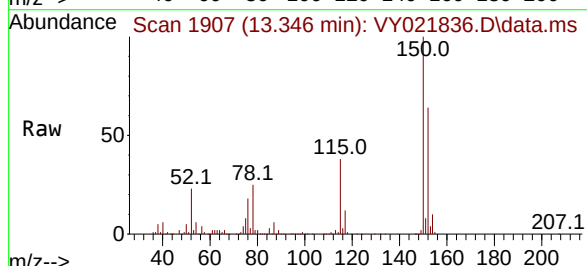
Tgt Ion:152 Resp: 111730

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 157.0 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021836.D
 Acq On : 10 Apr 2025 14:26
 Operator : SY/MD
 Sample : Q1744-03
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-158-SB02

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_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021836.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	26	rVB3	33482	57512	4.34%	0.821%
2	2.178	69	75	83	rBV2	15960	39462	2.98%	0.564%
3	3.873	343	353	372	rBV	53480	163353	12.32%	2.333%
4	4.610	463	474	487	rBV3	8847	33415	2.52%	0.477%
5	6.896	839	849	863	rBV2	20550	60980	4.60%	0.871%
6	7.634	960	970	976	rBV	194623	474419	35.79%	6.776%
7	7.707	976	982	994	rVB	294680	673319	50.80%	9.617%
8	8.061	1032	1040	1052	rBV	167838	378106	28.53%	5.401%
9	8.616	1121	1131	1143	rBV	500531	972899	73.40%	13.896%
10	10.109	1368	1376	1384	rBV	779061	1325502	100.00%	18.933%
11	11.420	1583	1591	1604	rBV	667297	1073999	81.03%	15.340%
12	12.408	1746	1753	1764	rBV2	496384	901989	68.05%	12.883%
13	13.346	1897	1907	1920	rBV	460554	693502	52.32%	9.906%
14	13.889	1990	1996	2002	rVB2	92886	152671	11.52%	2.181%

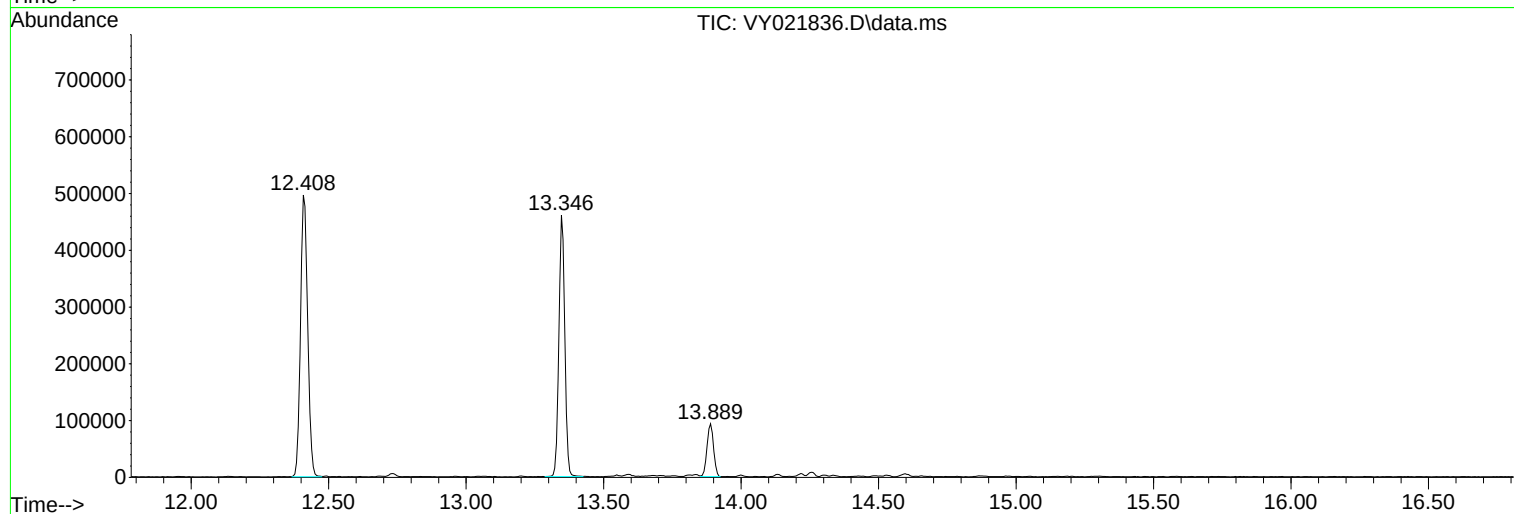
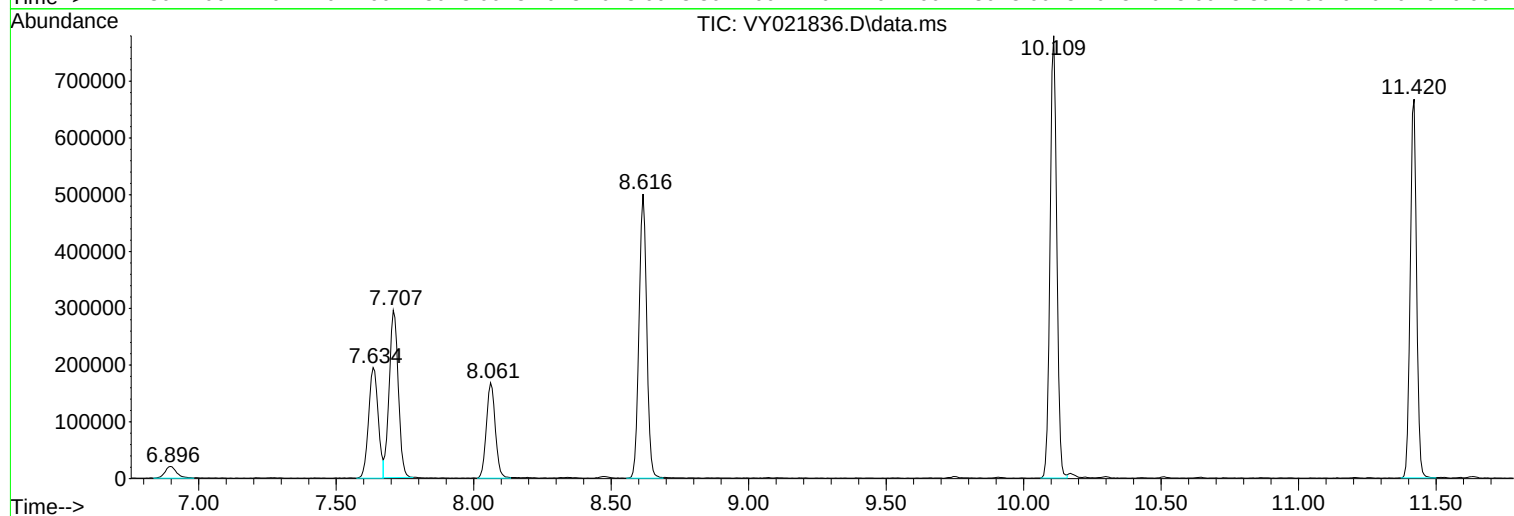
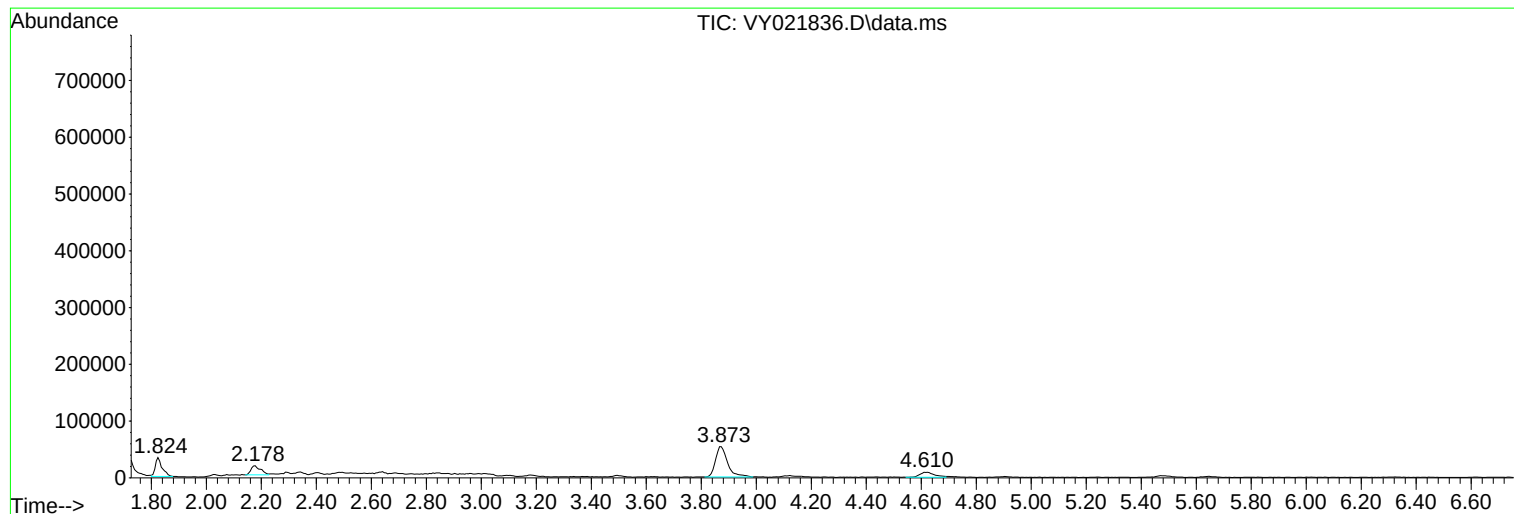
Sum of corrected areas: 7001128

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID:		RRF005 = VY021656.D		RRF010 = VY021657.D		RRF020 = VY021658.D			
		RRF050 = VY021659.D		RRF100 = VY021660.D		RRF150 = VY021661.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4	
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6	
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5	
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9	
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5	
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5	
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4	
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2	
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3	
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4	
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9	
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11	
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8	
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3	
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3	
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1	
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9	
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9	
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3	
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3	
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9	
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3	
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5	
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6	
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1	
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4	
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2	
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6	
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9	
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744
 Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021656.D		RRF010 = VY021657.D		RRF020 = VY021658.D			
		RRF050 = VY021659.D		RRF100 = VY021660.D		RRF150 = VY021661.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5	
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6	
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9	
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2	
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1	
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3	
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3	
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3	
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9	
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2	
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4	
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8	
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4	
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8	
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1	
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2	
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2	
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9	
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6	
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6	
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1	
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5	
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7	
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1	
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M
 Title : SW846 8260
 Last Update : Fri Mar 28 02:30:29 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3) P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4) C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5) T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6) T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7) T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8) T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9) T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10) T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11) T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12) CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13) T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14) T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15) T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16) T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17) T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18) T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19) T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20) T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21) T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22) T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23) T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24) P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25) T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26) T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27) T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28) T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29) T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30) C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31) T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32) T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33) S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36) T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37) T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38) T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39) T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40) TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41) T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42) TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43) T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44) TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45) C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46) T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47) T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48) T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50) S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51) T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52) CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53) T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54) T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55) T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56) T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

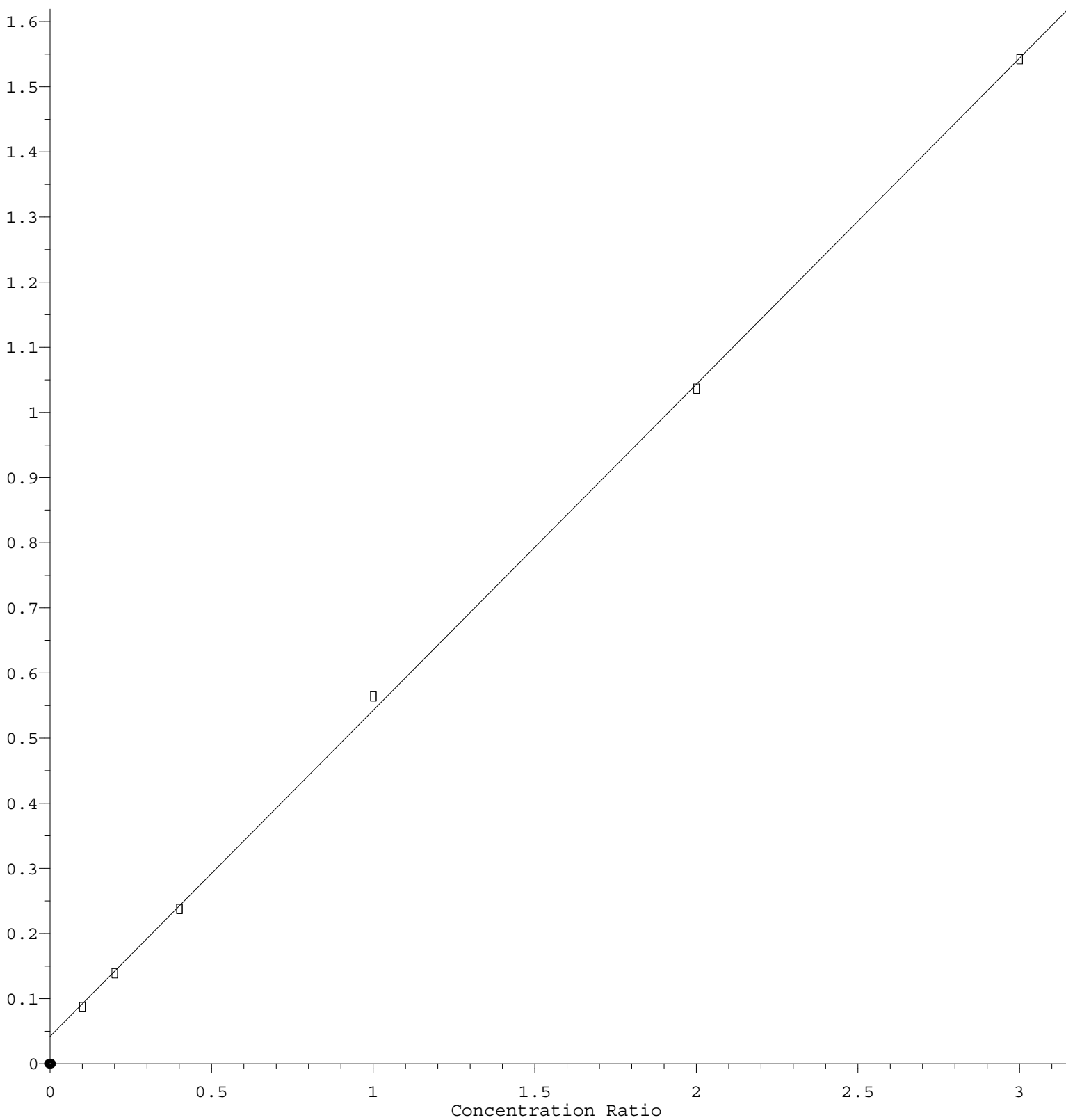
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.006\text{e-}001 * \text{Amt} + 4.197\text{e-}002$$

Coef of Det (r^2) = 0.999666 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032725S.M

Calibration Table Last Updated: Fri Mar 28 02:30:29 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.300%#
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	11.020%#
50) Toluene-d8	10.109	98	44774	5.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.360%#
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	10.700%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l	98
3) Chloromethane	2.074	50	19017	6.010	ug/l	90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l	93
5) Bromomethane	2.598	94	15395	6.308	ug/l	99
6) Chloroethane	2.733	64	13977	5.969	ug/l	99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l	98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l	98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l	98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l	92
13) Acrolein	3.653	56	7499	26.881	ug/l	93
14) Allyl chloride	4.385	41	19469	5.362	ug/l	97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l #	88
16) Acetone	3.873	43	15736	32.687	ug/l	100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l	99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l	100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l	95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l	95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l	98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l #	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l	96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l	99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l	99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l	99
30) Chloroform	7.421	83	26819	5.662	ug/l	95
31) Cyclohexane	7.707	56	25394	6.117	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l	97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l	99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l #	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l	95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l	97
40) Benzene	8.079	78	56287	5.427	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l	
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l	98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l	97
44) Trichloroethene	8.866	130	14453	5.470	ug/l	98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l	99
46) Dibromomethane	9.231	93	7882	5.571	ug/l	97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l	92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l	96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l	97
52) Toluene	10.176	92	32954	5.093	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l	94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l	93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l	98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l	92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l	99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l	100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l	93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l	97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l	98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l	97
69) o-Xylene	11.956	106	20041	4.786	ug/l	98
70) Styrene	11.975	104	32075	4.594	ug/l	99
71) Bromoform	12.133	173	7253	5.187	ug/l #	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l	99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l	
77) Bromobenzene	12.536	156	13783	5.305	ug/l	97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l	100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l	88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l	100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l	99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l	100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l	94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l	96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l	97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l	96
95) Naphthalene	15.151	128	16796	4.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

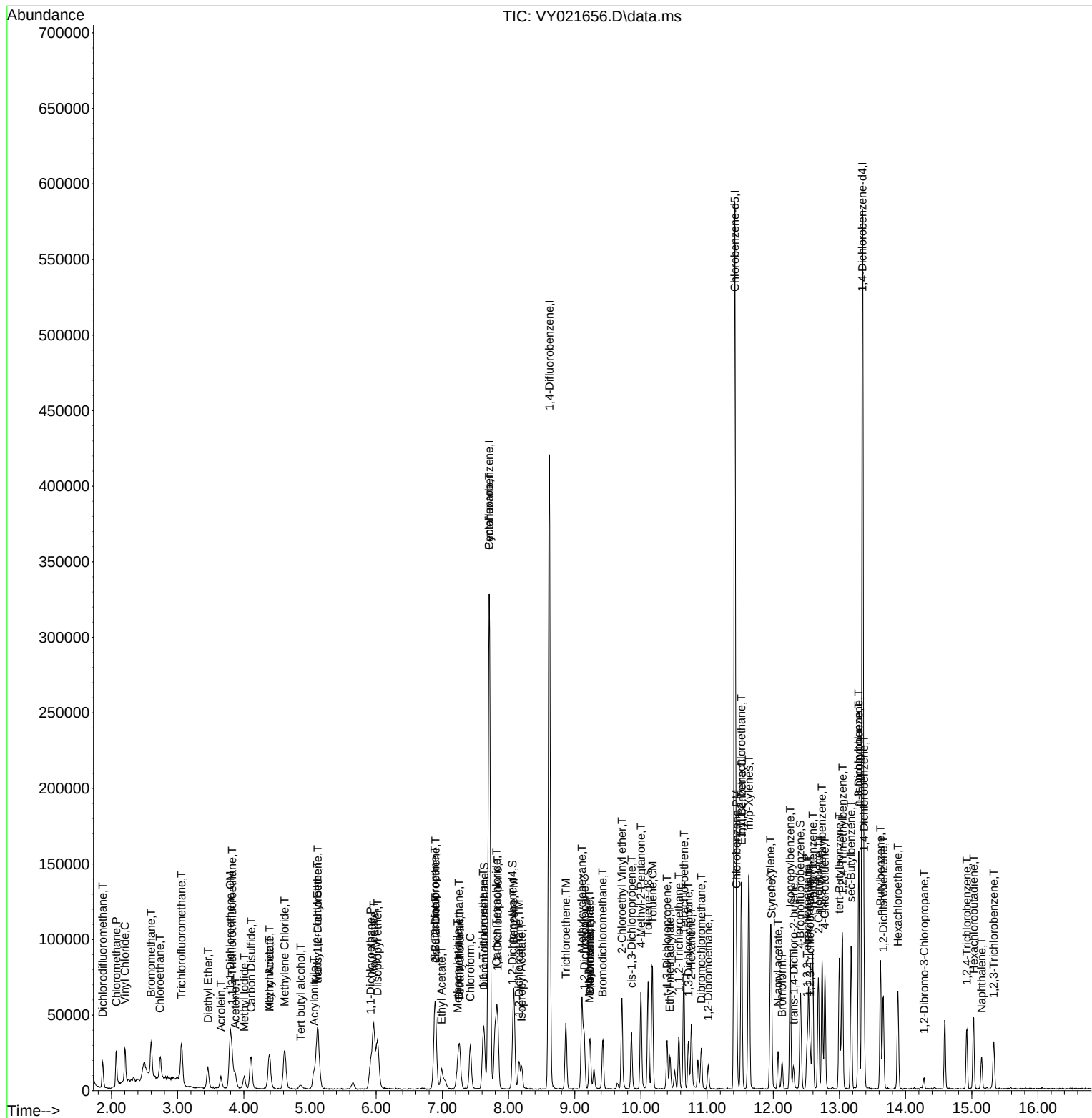
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Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

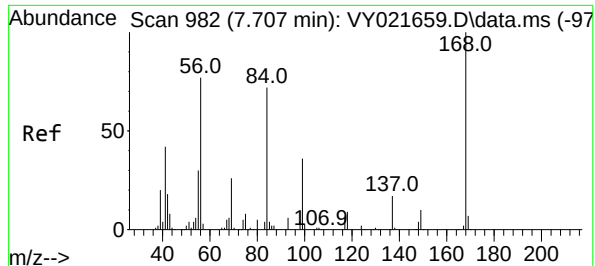
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration





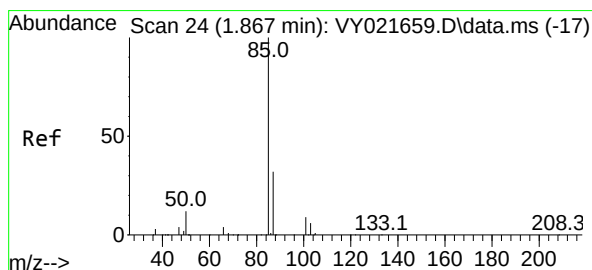
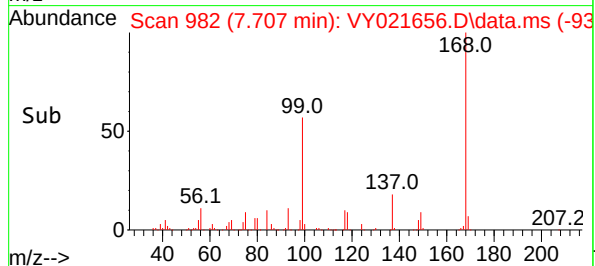
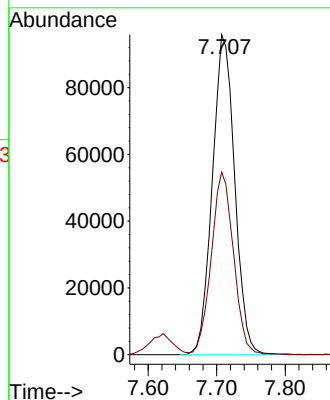
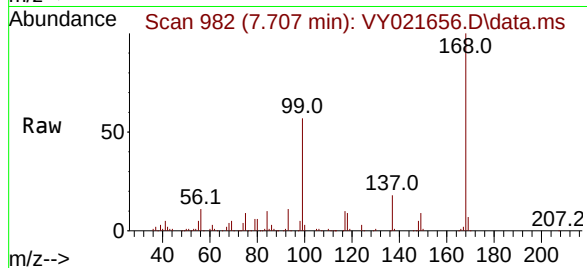
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:168 Resp: 21710
Ion Ratio Lower Upper
168 100
99 56.8 46.7 70.1

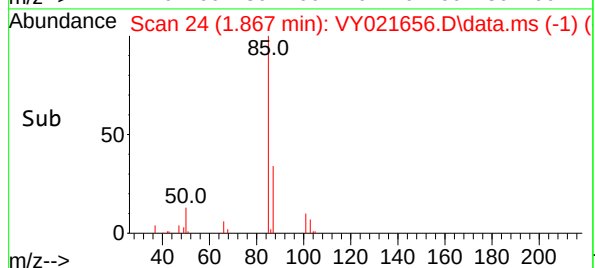
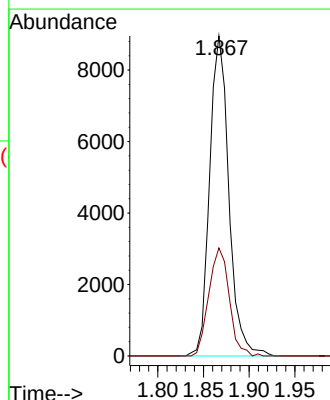
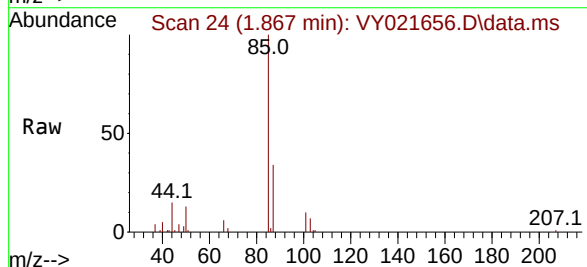
Manual Integrations
APPROVED

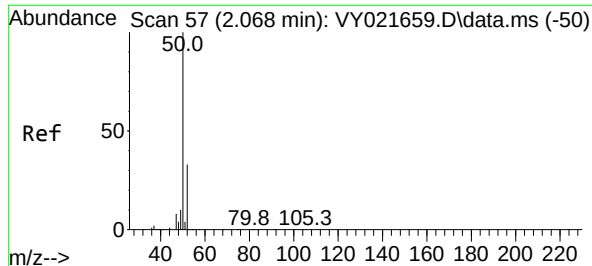
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 5.806 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

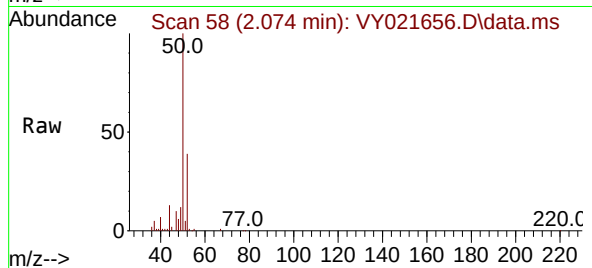
Tgt Ion: 85 Resp: 13065
Ion Ratio Lower Upper
85 100
87 33.7 16.2 48.6





#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

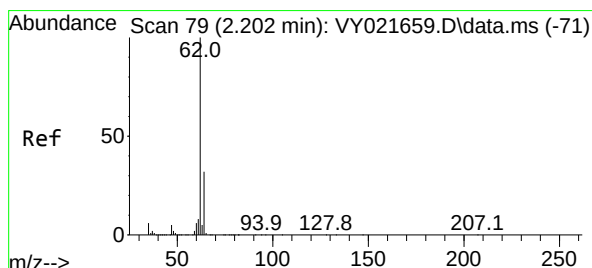
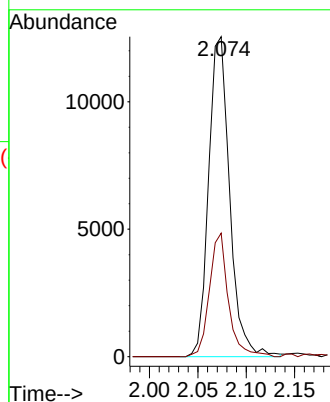
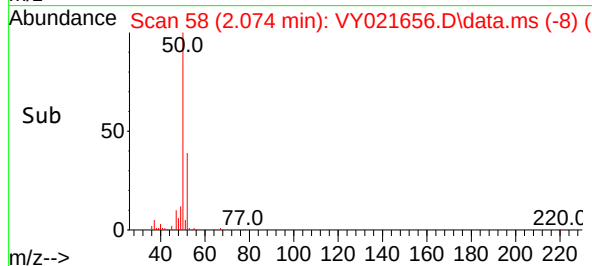
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 1901
Ion Ratio Lower Upper
50 100
52 38.6 26.3 39.5

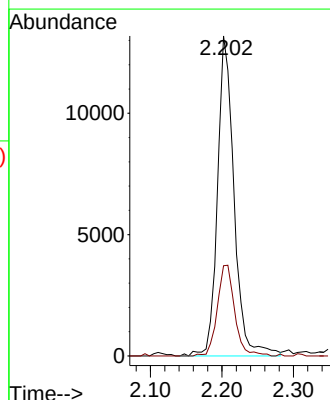
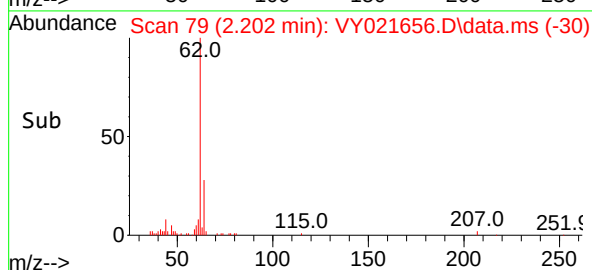
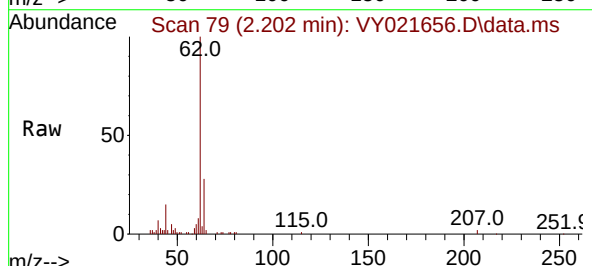
Manual Integrations
APPROVED

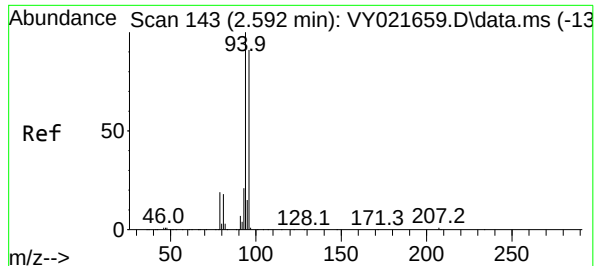
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

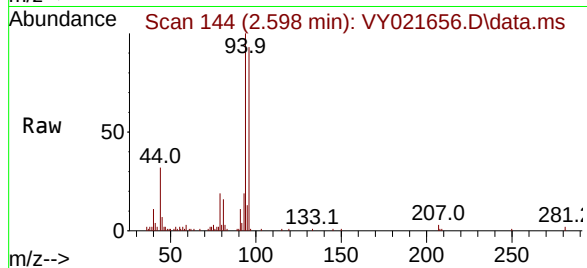
Tgt Ion: 62 Resp: 21214
Ion Ratio Lower Upper
62 100
64 28.2 25.5 38.3





#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

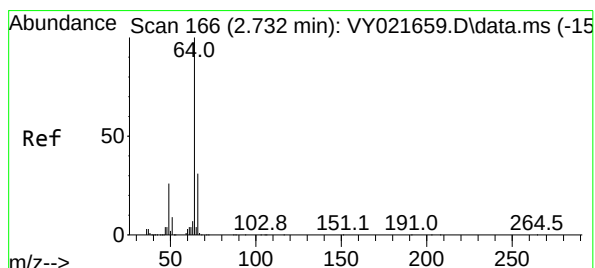
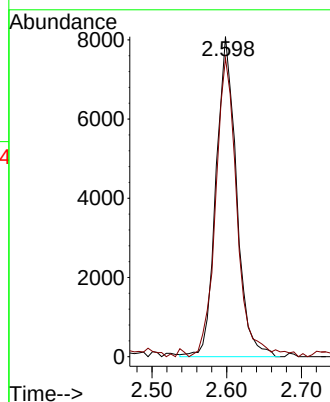
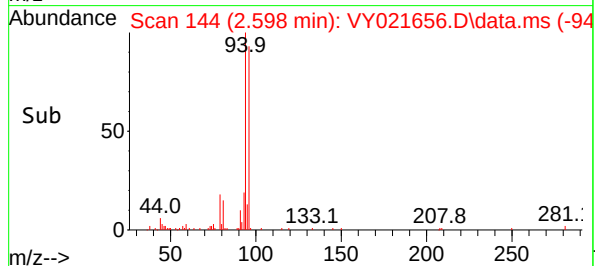
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 15398
Ion Ratio Lower Upper
94 100
96 91.8 72.8 109.2

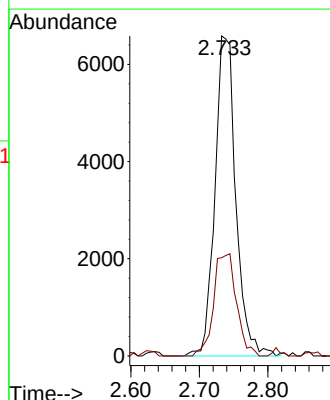
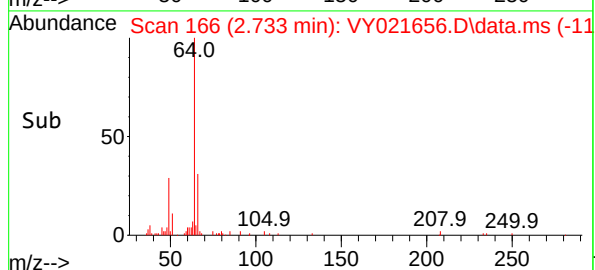
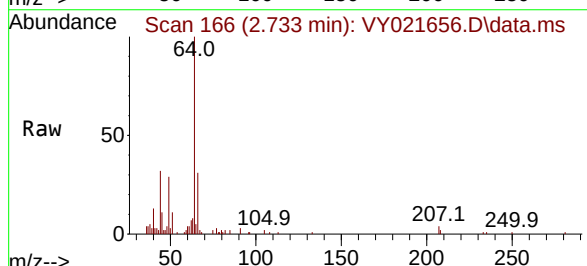
Manual Integrations
APPROVED

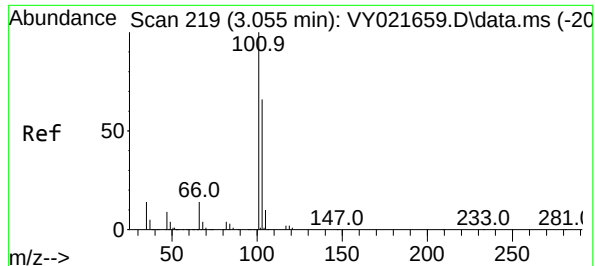
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

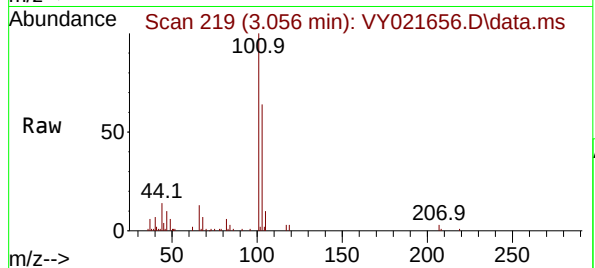
Tgt Ion: 64 Resp: 13977
Ion Ratio Lower Upper
64 100
66 30.7 24.9 37.3





#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

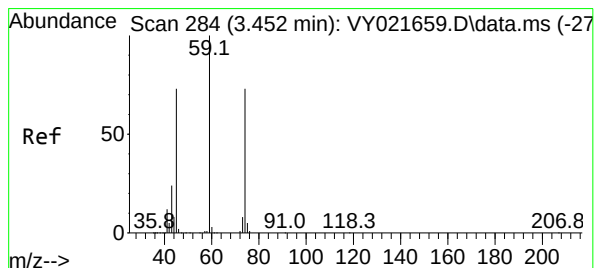
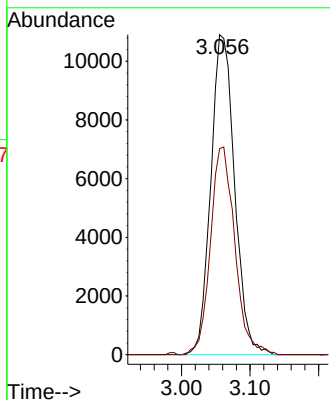
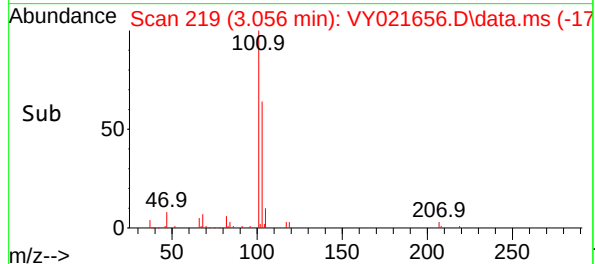
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 2631
Ion Ratio Lower Upper
101 100
103 64.4 53.1 79.7

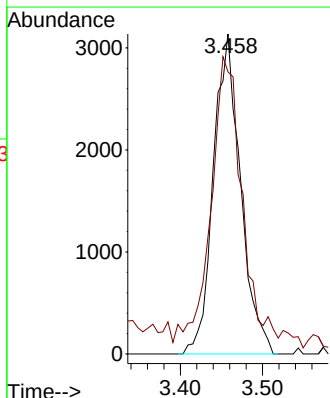
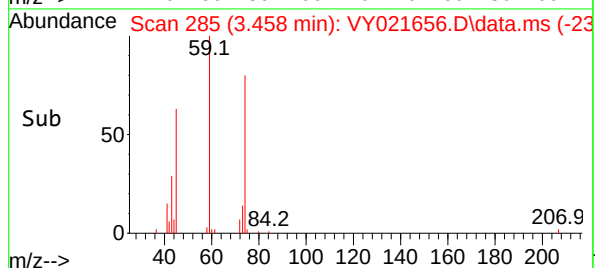
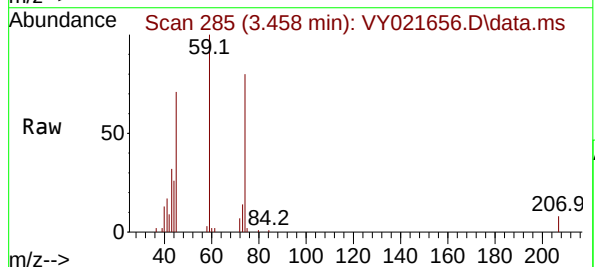
Manual Integrations
APPROVED

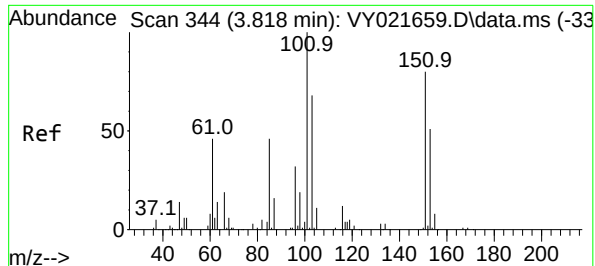
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213
Ion Ratio Lower Upper
74 100
45 99.4 48.6 145.8





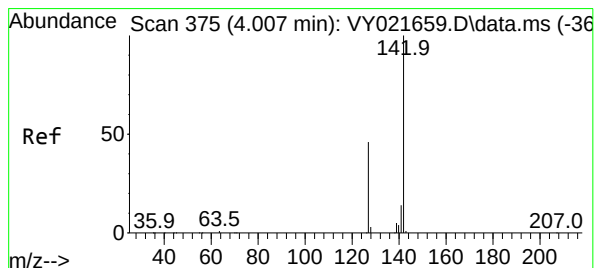
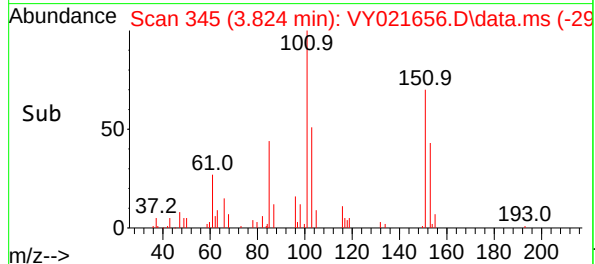
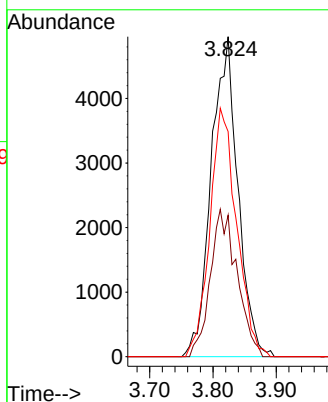
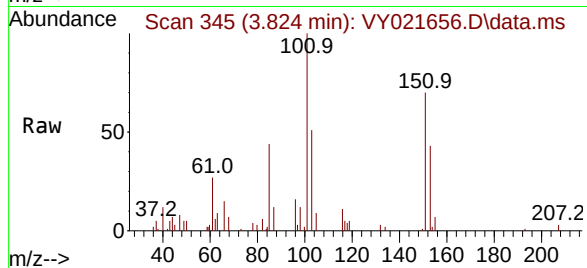
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.3	54.5
151	78.3	61.3	91.9

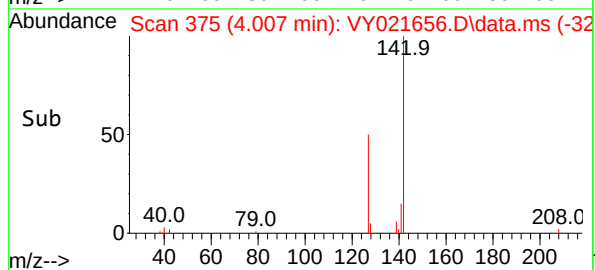
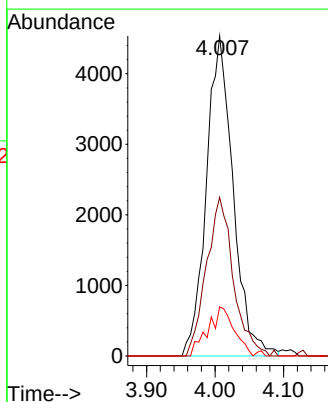
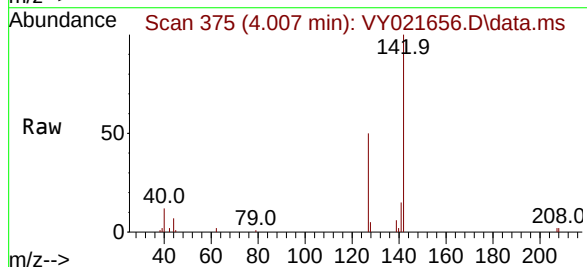
Manual Integrations
APPROVED

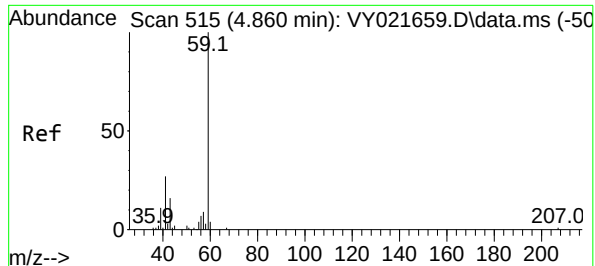
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.2	38.7	58.1
141	15.0	11.5	17.3





#11

Tert butyl alcohol

Concen: 30.344 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 4630

Ion Ratio Lower Upper

59 100

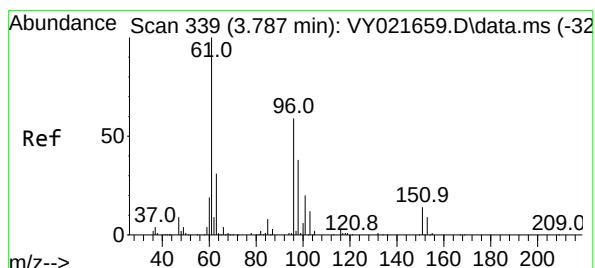
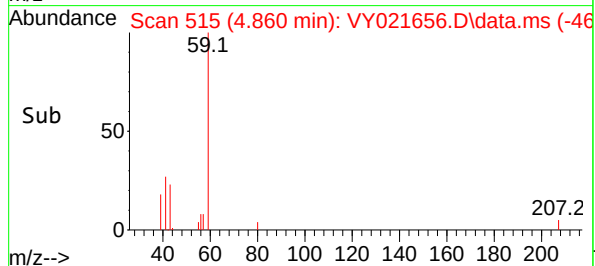
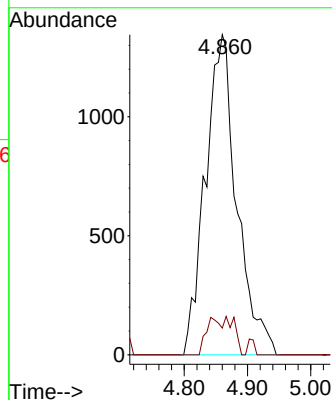
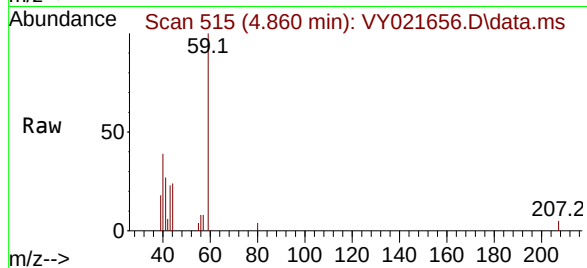
57 5.7 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 5.611 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

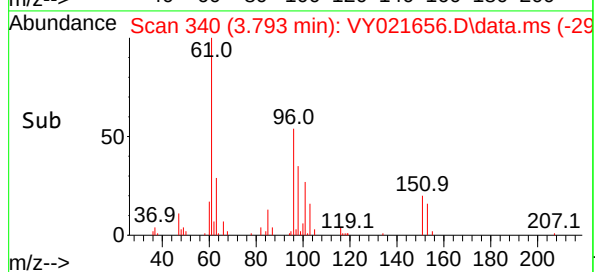
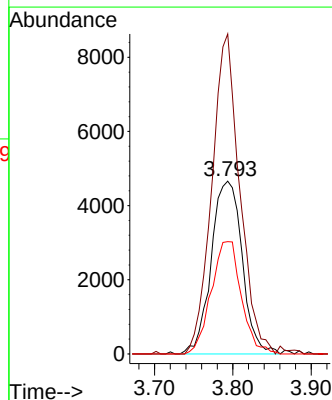
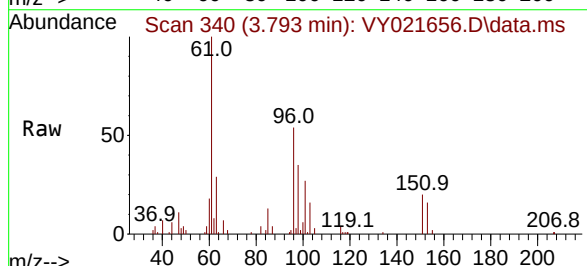
Tgt Ion: 96 Resp: 12778

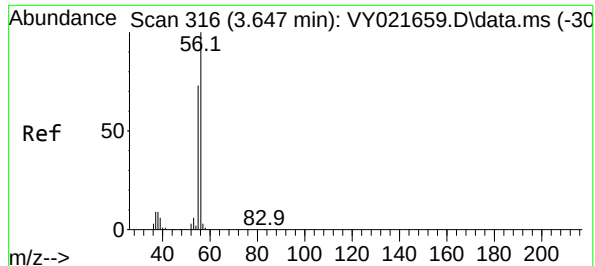
Ion Ratio Lower Upper

96 100

61 185.1 136.6 204.8

98 65.0 52.3 78.5





#13

Acrolein

Concen: 26.881 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 7499

Ion Ratio Lower Upper

56 100

55 76.7 56.6 85.0

Instrument :

MSVOA_Y

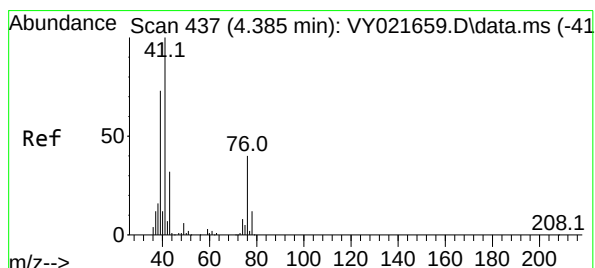
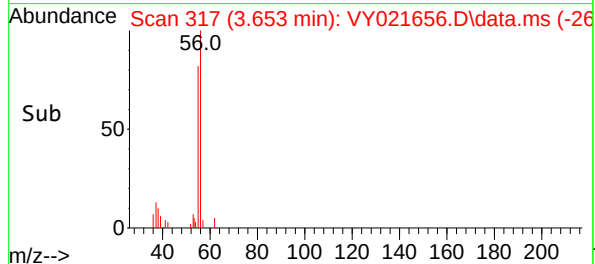
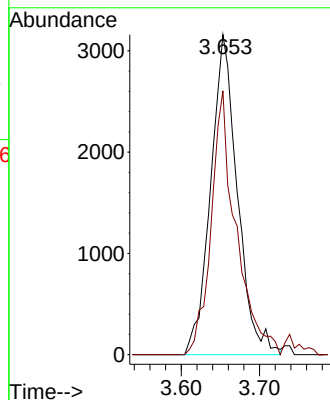
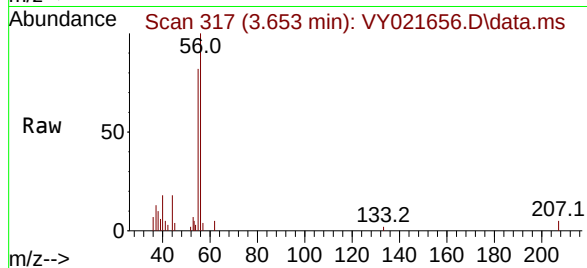
ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 5.362 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

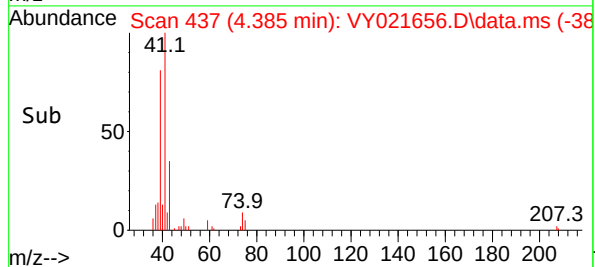
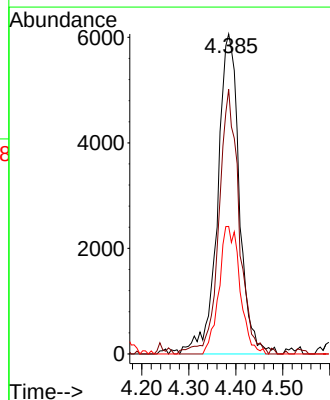
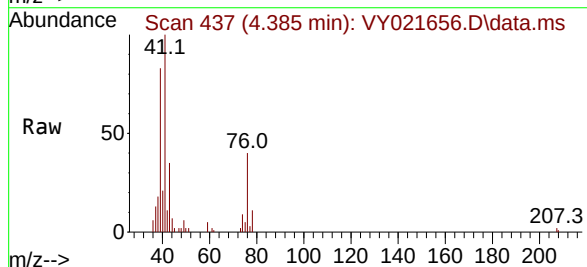
Tgt Ion: 41 Resp: 19469

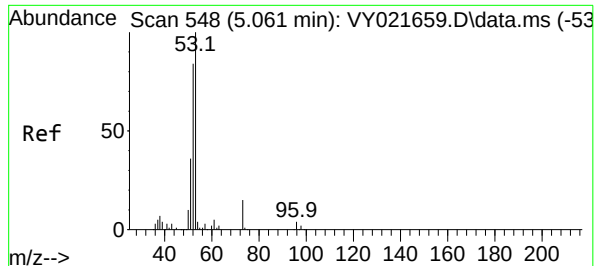
Ion Ratio Lower Upper

41 100

39 76.8 58.6 88.0

76 38.6 30.3 45.5





#15

Acrylonitrile

Concen: 27.546 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

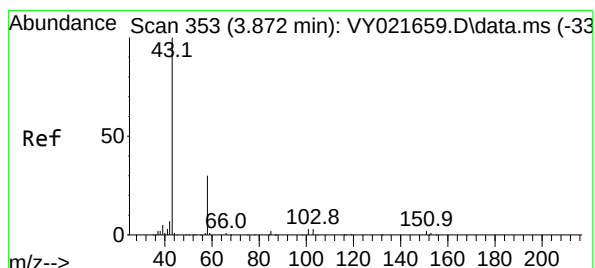
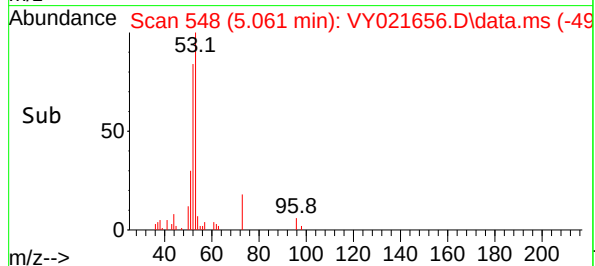
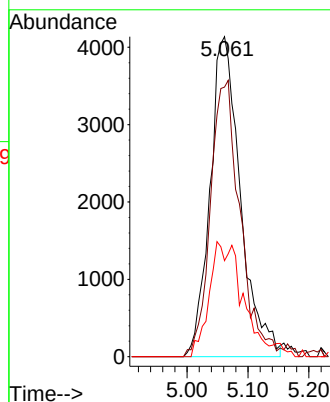
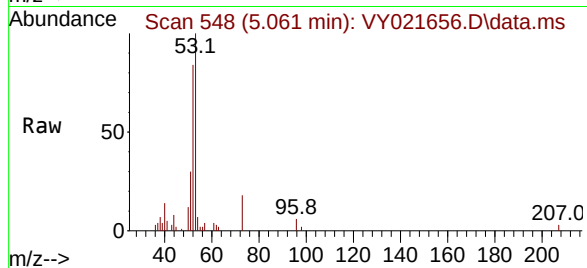
VSTDIC005

Tgt Ion: 53	Resp: 1433
Ion Ratio	Lower Upper
53	100
52	84.3 64.9 97.3
51	18.9 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 32.687 ug/l

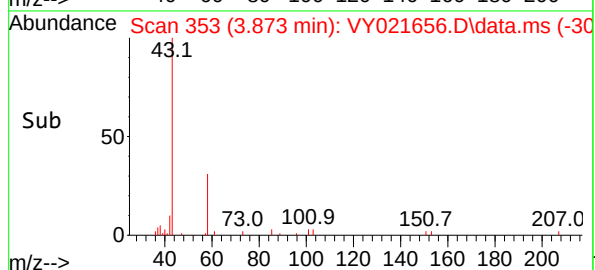
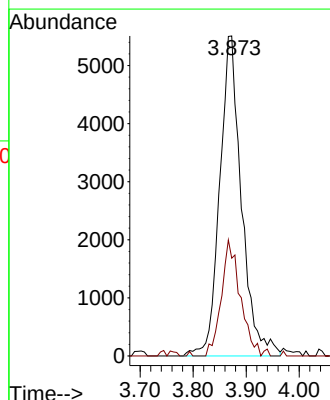
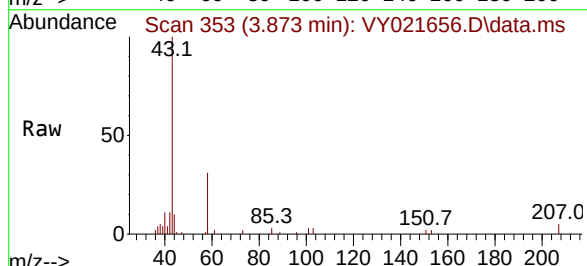
RT: 3.873 min Scan# 353

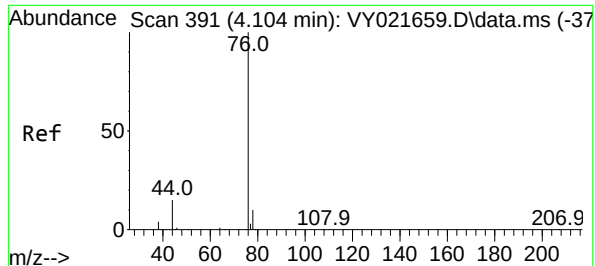
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 43	Resp: 15736
Ion Ratio	Lower Upper
43	100
58	30.5 24.2 36.4





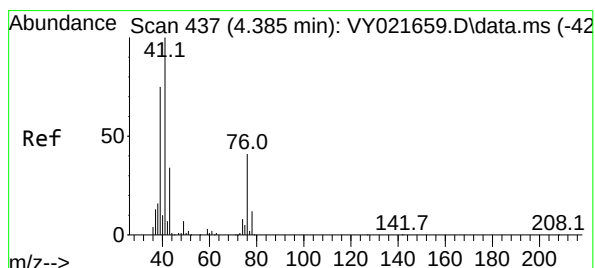
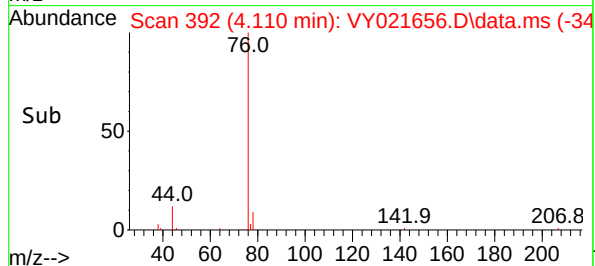
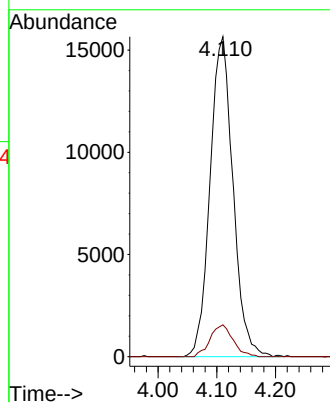
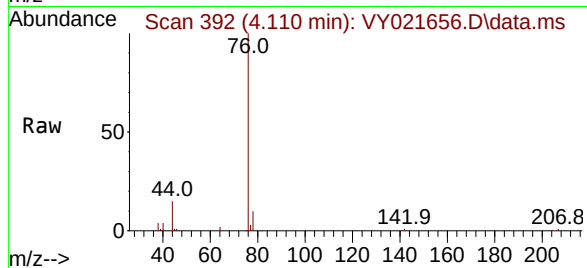
#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 4246
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4

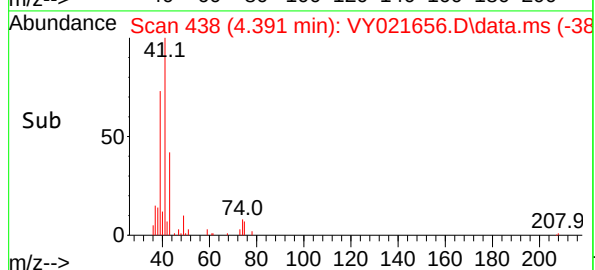
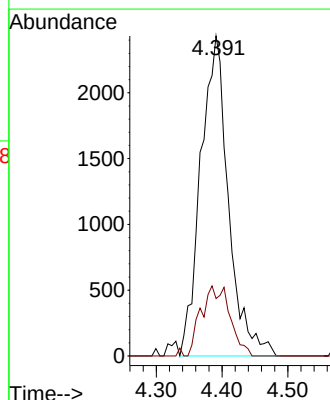
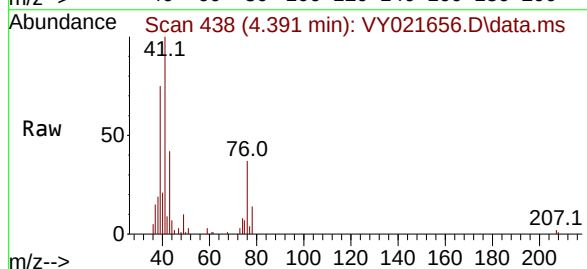
Manual Integrations
APPROVED

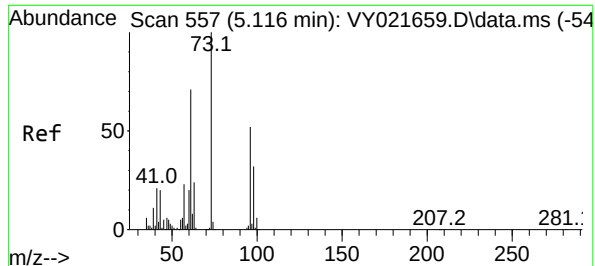
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 5.286 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 2996

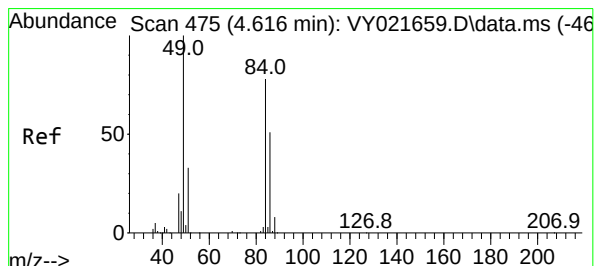
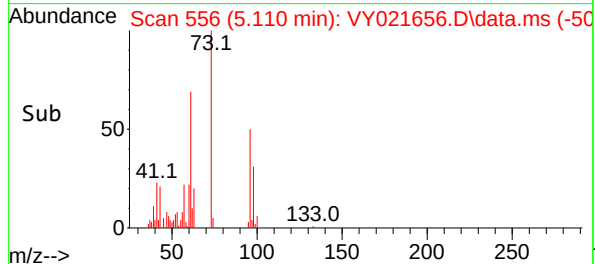
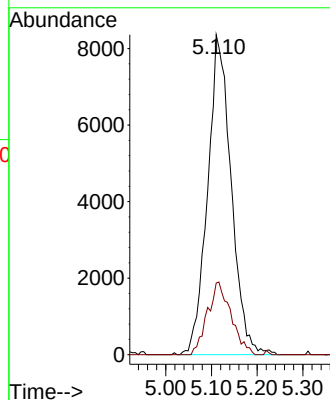
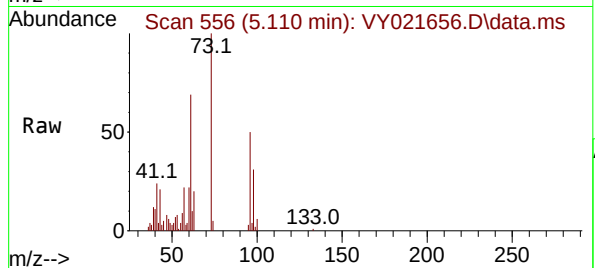
Ion Ratio Lower Upper

73 100

57 22.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#20

Methylene Chloride

Concen: 4.497 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

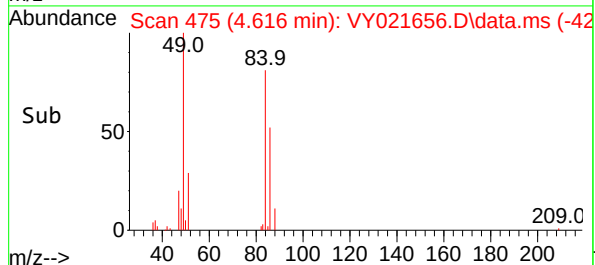
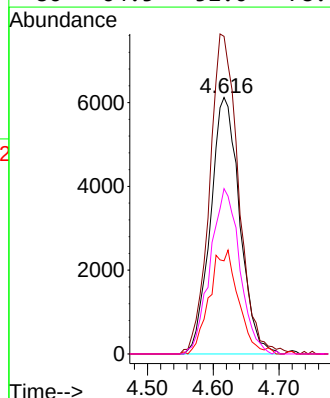
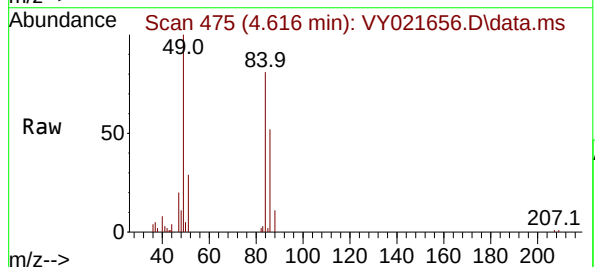
Ion Ratio Lower Upper

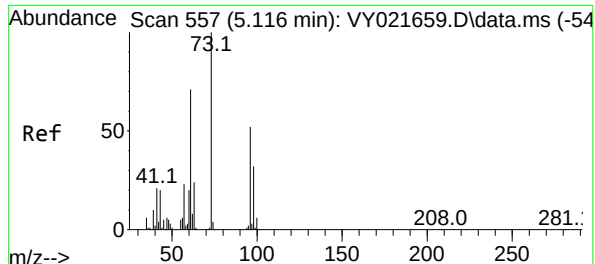
84 100

49 123.8 102.8 154.2

51 36.3 33.5 50.3

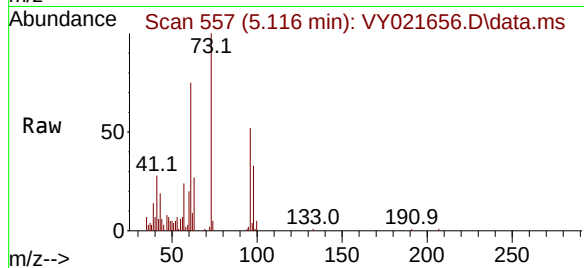
86 64.5 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

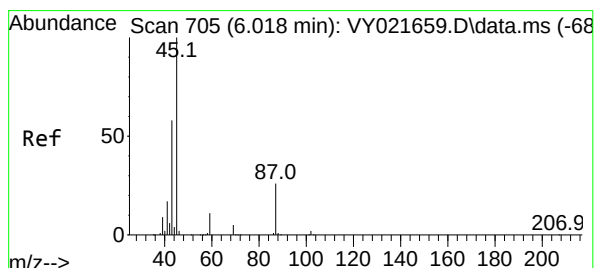
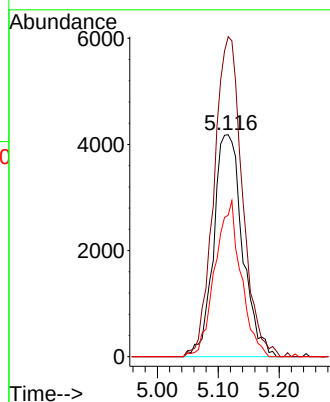
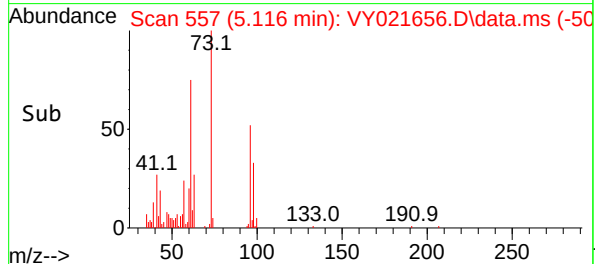
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 1376
Ion Ratio Lower Upper
96 100
61 144.2 109.4 164.0
98 63.7 50.2 75.2

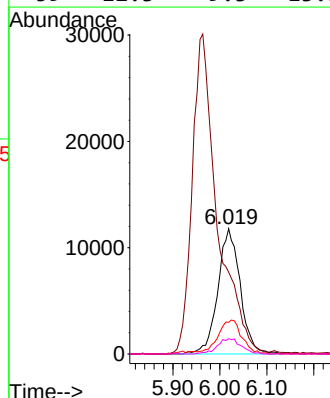
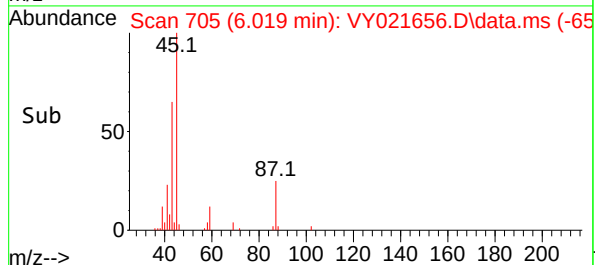
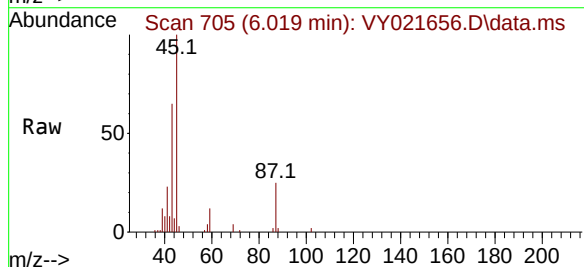
Manual Integrations
APPROVED

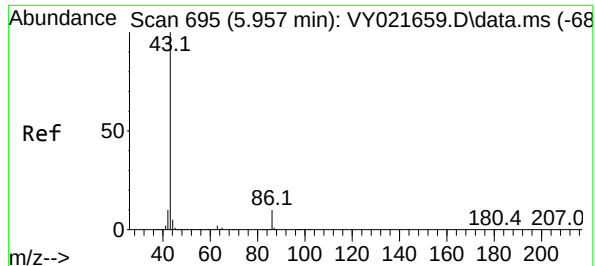
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 5.118 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

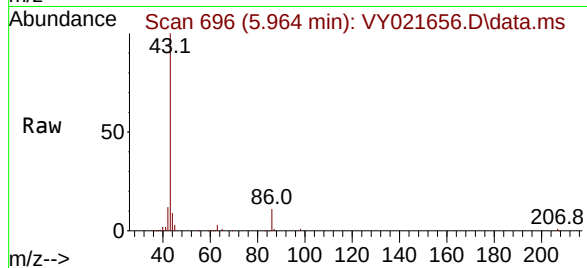
Tgt Ion: 45 Resp: 38980
Ion Ratio Lower Upper
45 100
43 64.0 46.6 69.8
87 25.2 20.7 31.1
59 12.3 9.3 13.9





#23
Vinyl Acetate
Concen: 24.992 ug/l
RT: 5.964 min Scan# 695
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

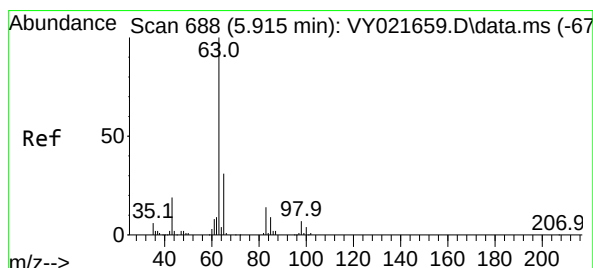
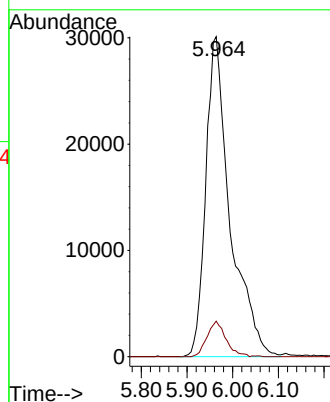
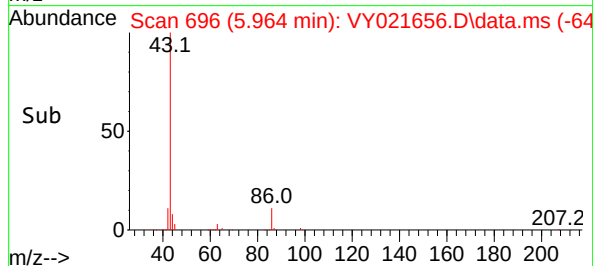
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 11135
Ion Ratio Lower Upper
43 100
86 11.1 8.2 12.2

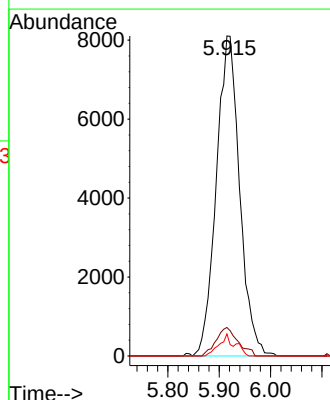
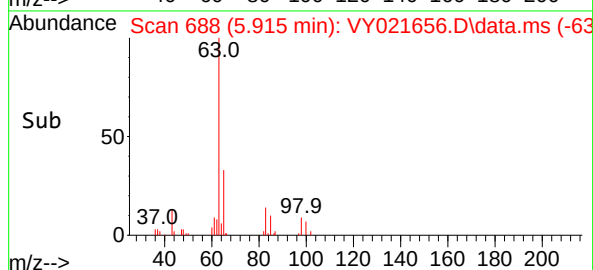
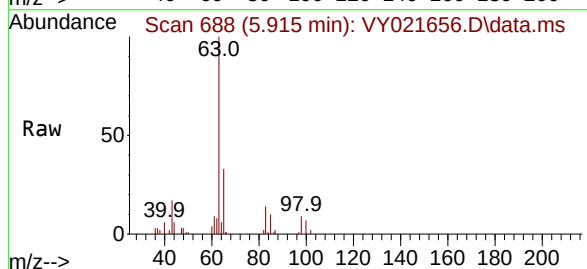
Manual Integrations
APPROVED

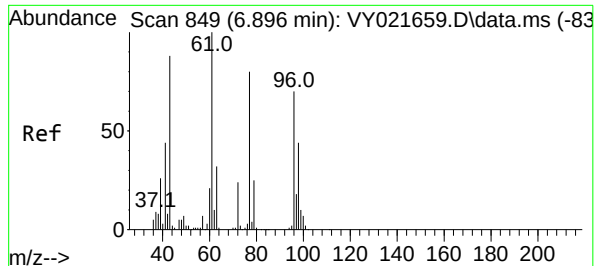
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#24
1,1-Dichloroethane
Concen: 5.616 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 25578
Ion Ratio Lower Upper
63 100
98 8.9 3.5 10.5
100 6.9 2.2 6.6#





#25

2-Butanone

Concen: 28.598 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 1966

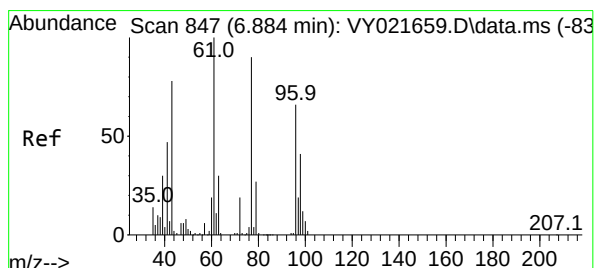
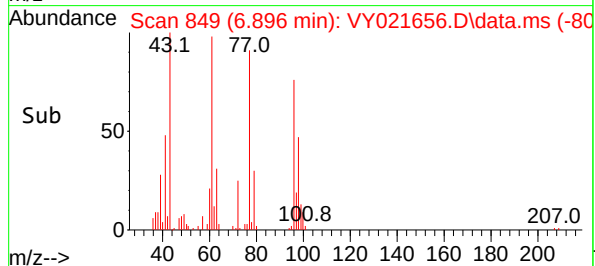
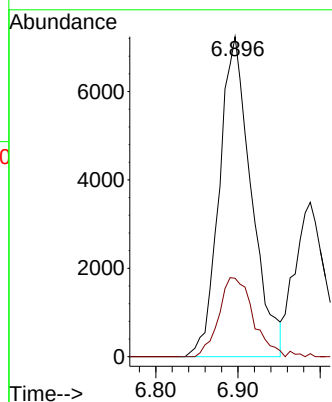
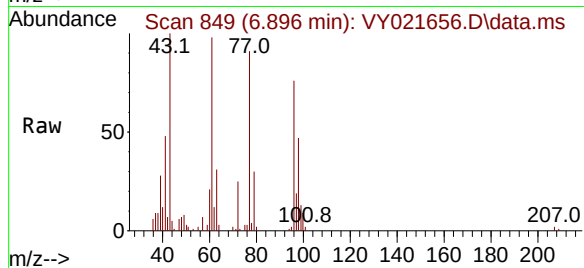
Ion Ratio Lower Upper

43 100

72 24.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#26

2,2-Dichloropropane

Concen: 5.695 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021656.D

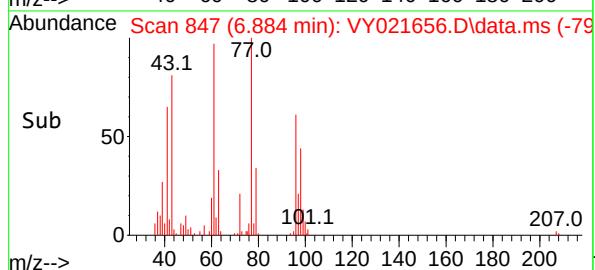
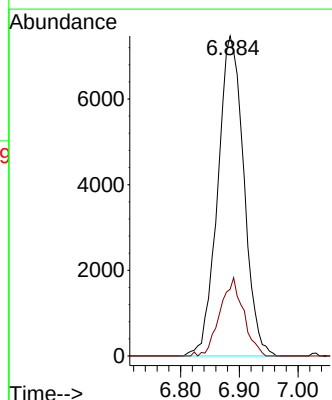
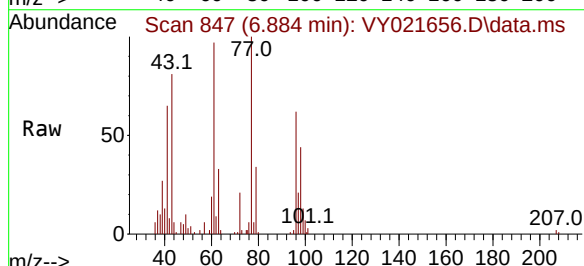
Acq: 27 Mar 2025 10:08

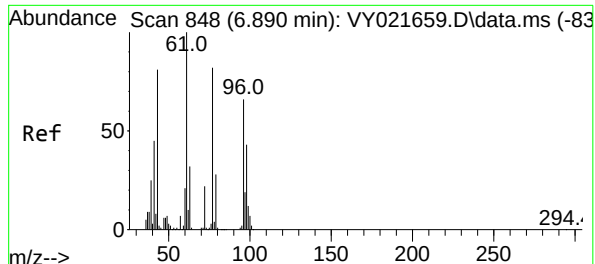
Tgt Ion: 77 Resp: 23073

Ion Ratio Lower Upper

77 100

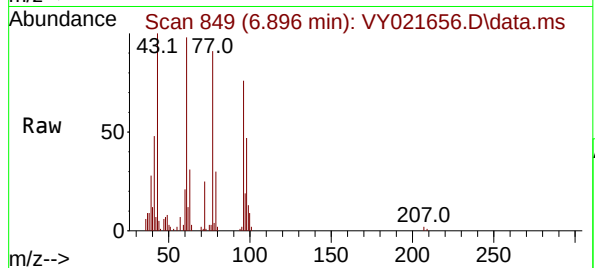
97 21.9 11.1 33.1





#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

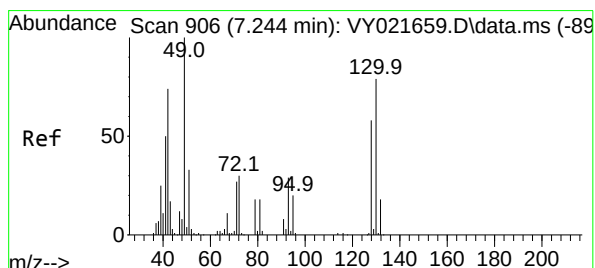
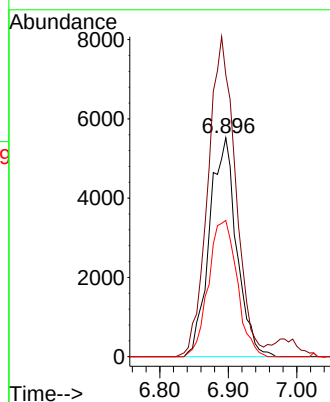
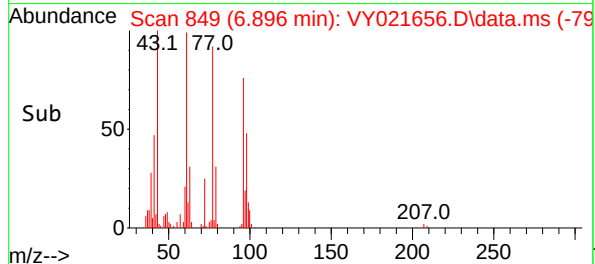
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1519
Ion Ratio Lower Upper
96 100
61 148.4 0.0 296.4
98 65.4 0.0 128.0

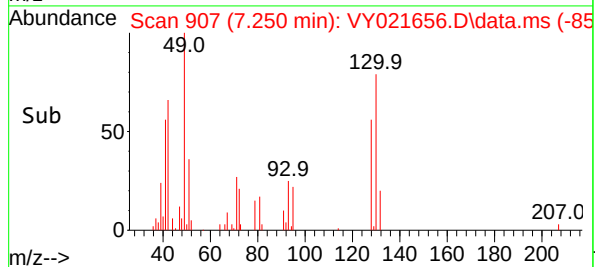
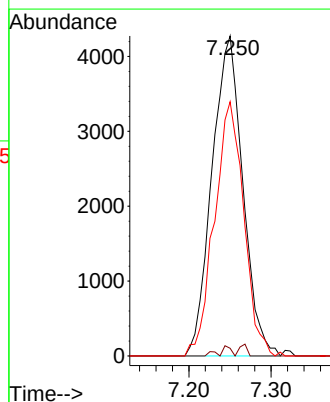
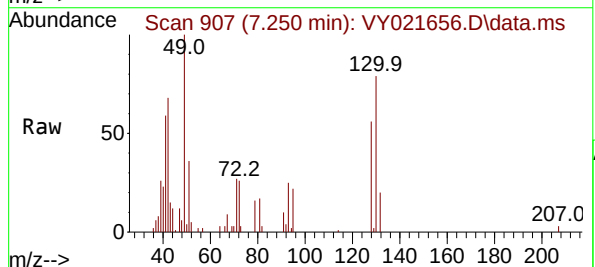
Manual Integrations
APPROVED

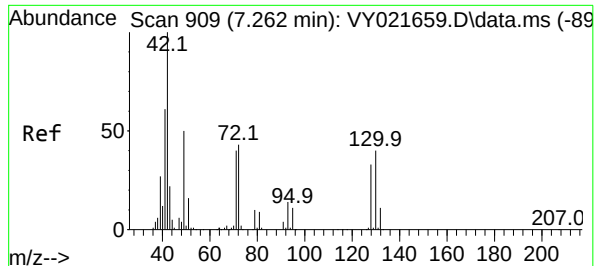
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 49 Resp: 11139
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.4
130 75.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 26.430 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

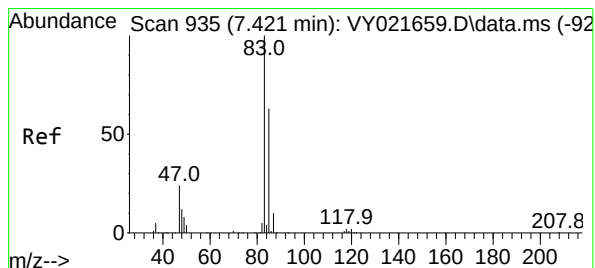
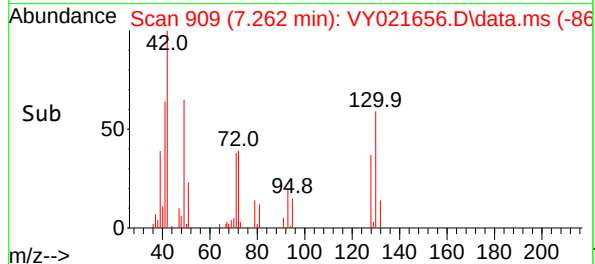
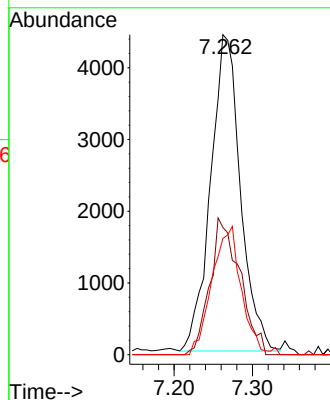
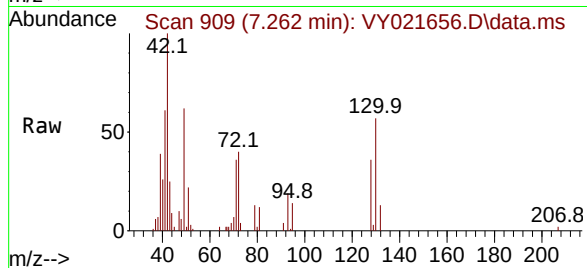
VSTDIC005

Tgt Ion:	42	Resp:	11690
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	39.9	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 5.662 ug/l

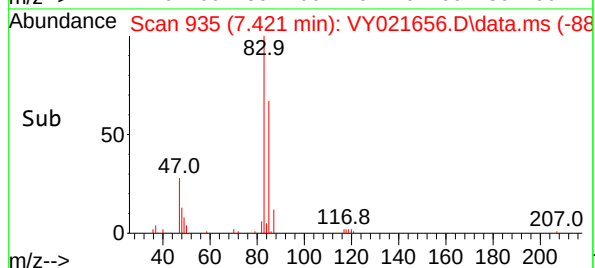
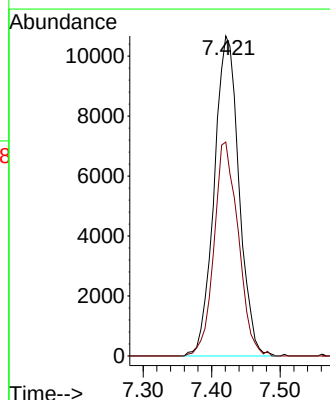
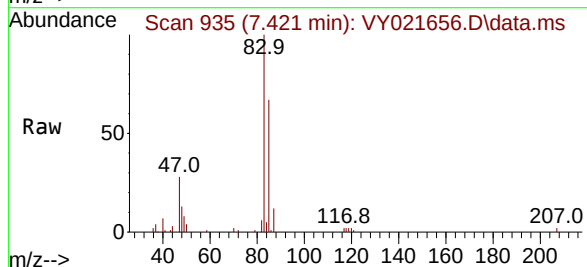
RT: 7.421 min Scan# 935

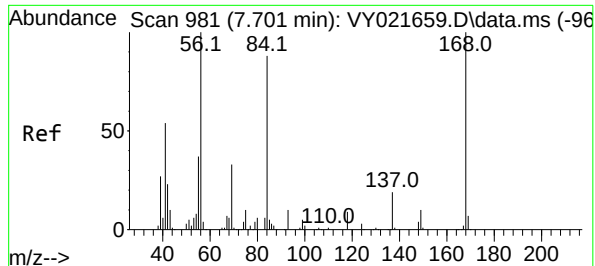
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	83	Resp:	26819
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8





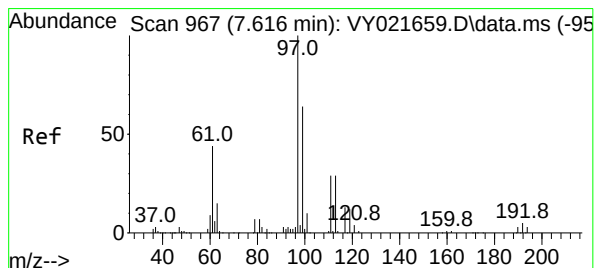
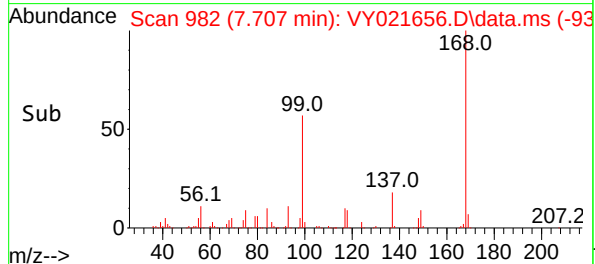
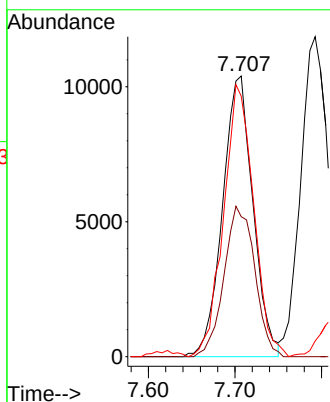
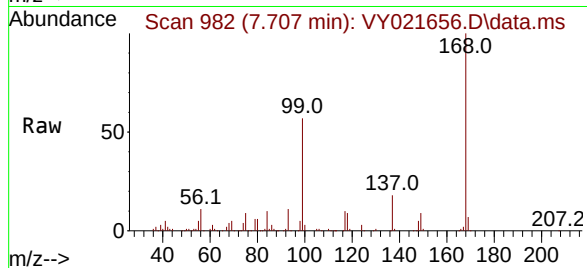
#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 25394
Ion Ratio Lower Upper
56 100
69 49.9 26.6 40.0
84 91.4 69.0 103.4

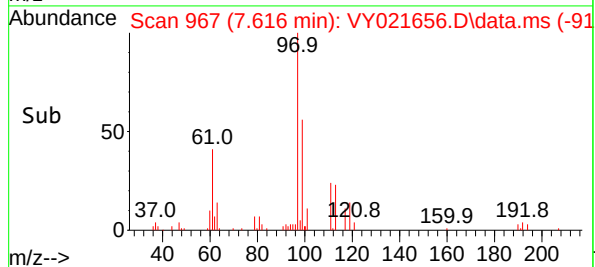
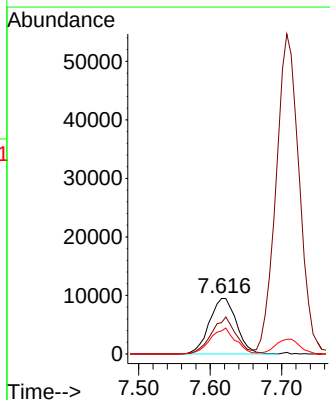
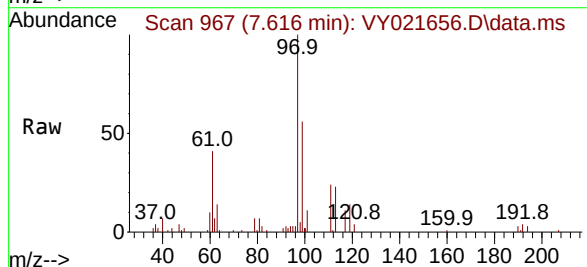
Manual Integrations
APPROVED

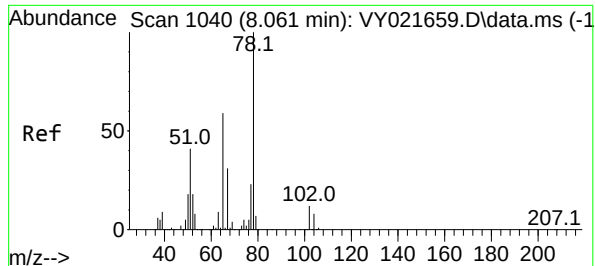
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#32
1,1,1-Trichloroethane
Concen: 5.856 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 25069
Ion Ratio Lower Upper
97 100
99 59.7 50.7 76.1
61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 5.650 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 13289

Ion Ratio Lower Upper

65 100

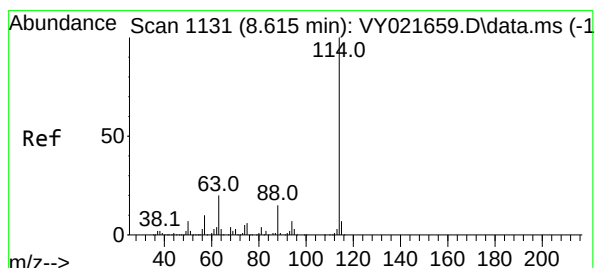
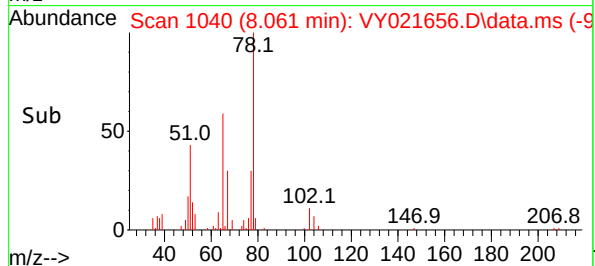
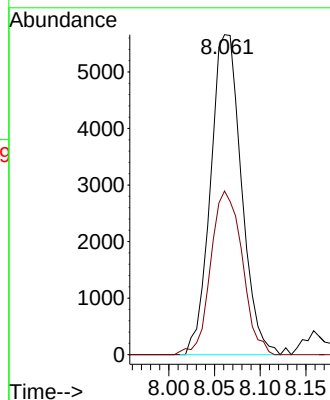
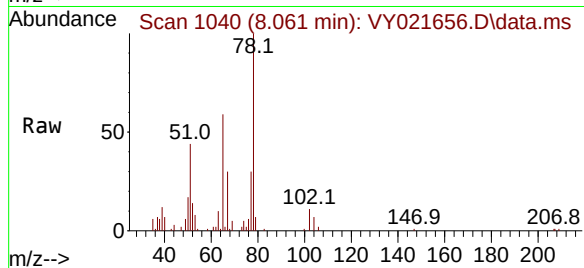
67 52.1 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

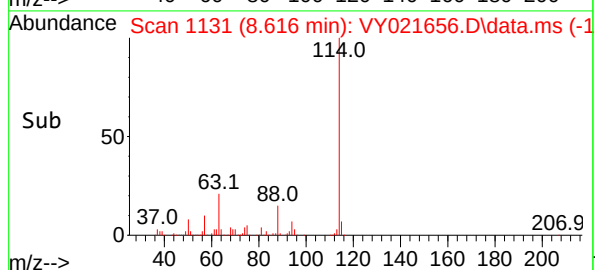
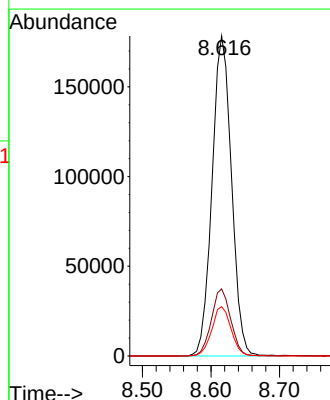
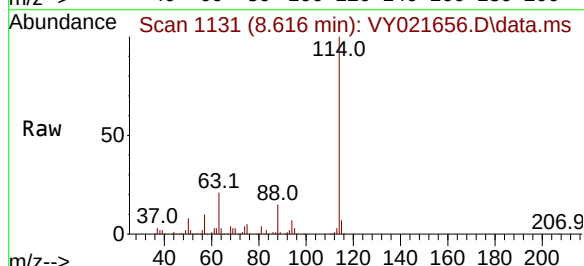
Tgt Ion:114 Resp: 350486

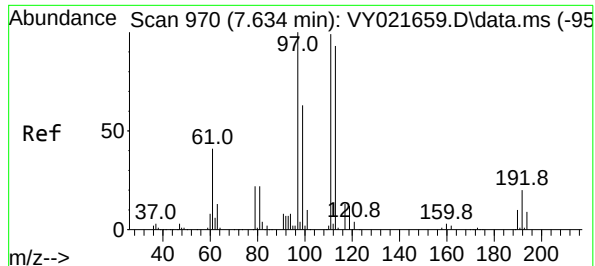
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 5.506 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

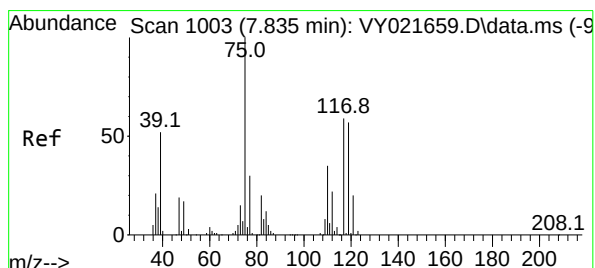
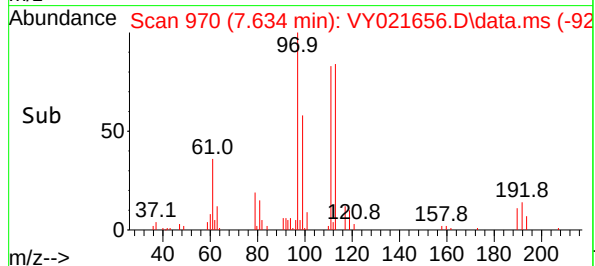
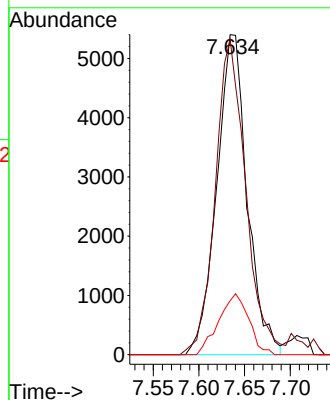
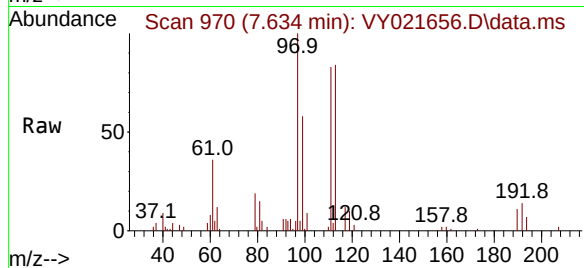
VSTDIC005

Tgt Ion:	113	Resp:	12519
Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.6	123.8
192	18.8	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 5.388 ug/l

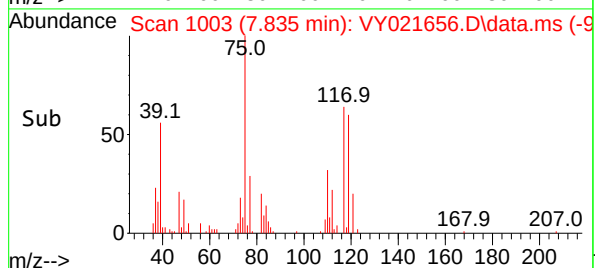
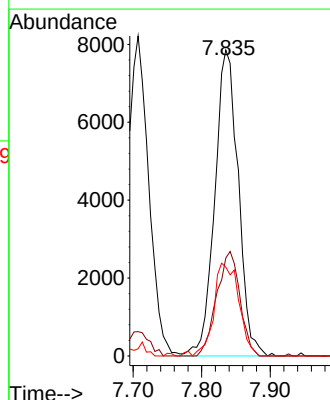
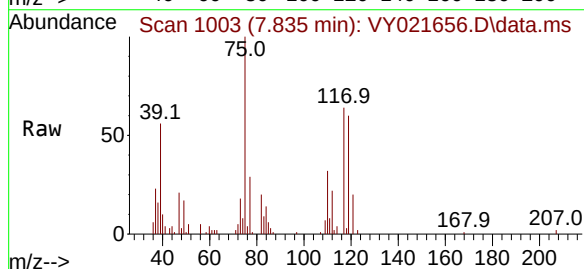
RT: 7.835 min Scan# 1003

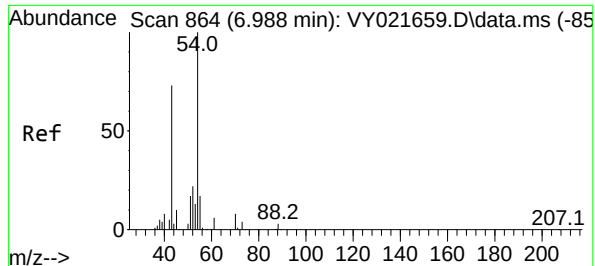
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	75	Resp:	18659
Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.0	50.9
77	32.1	24.8	37.2





#37

Ethyl Acetate

Concen: 5.788 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

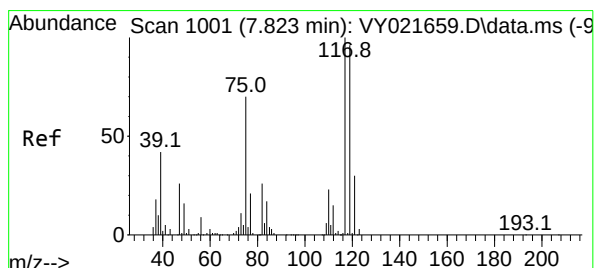
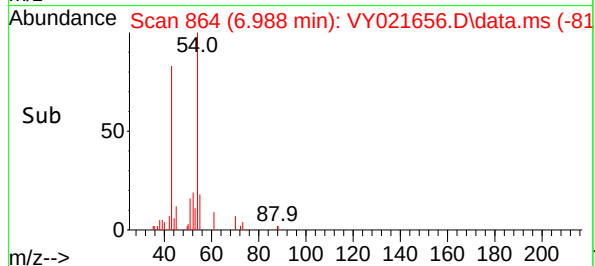
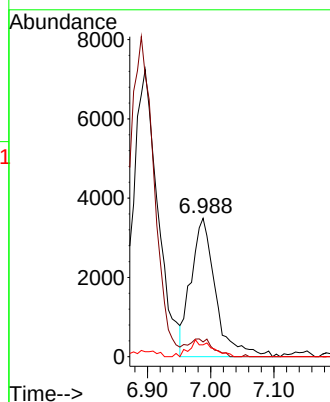
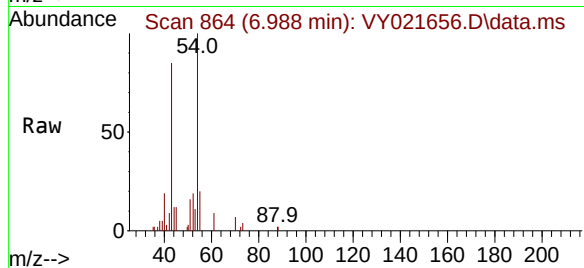
VSTDICC005

Tgt Ion:	43	Resp:	945
Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6
70	10.8	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 5.625 ug/l

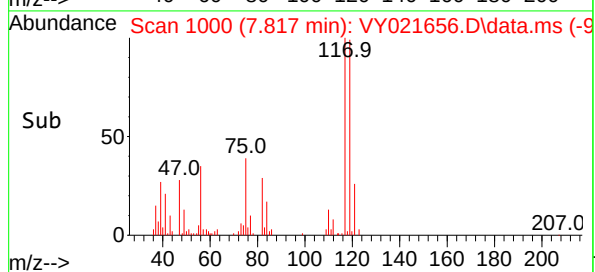
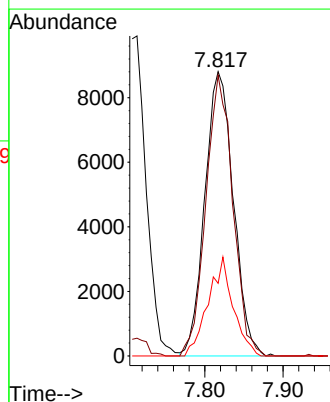
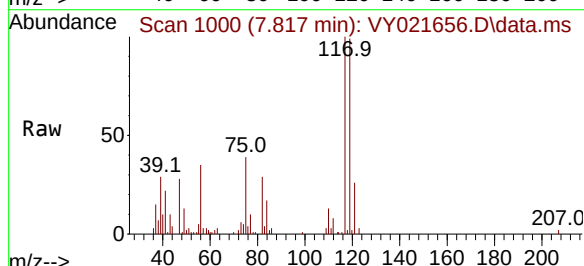
RT: 7.817 min Scan# 1000

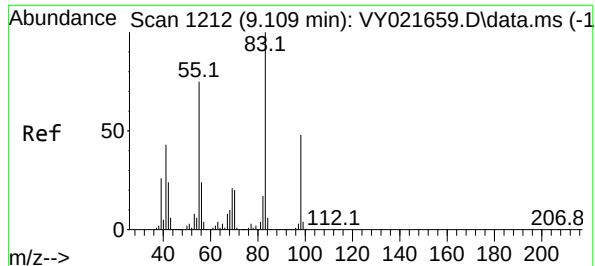
Delta R.T. -0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	117	Resp:	22310
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4





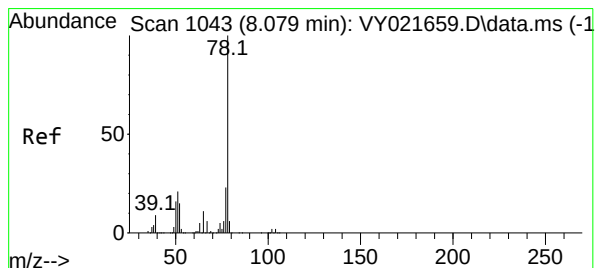
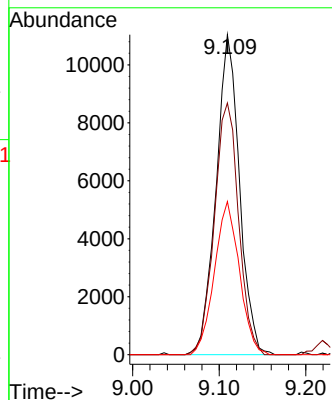
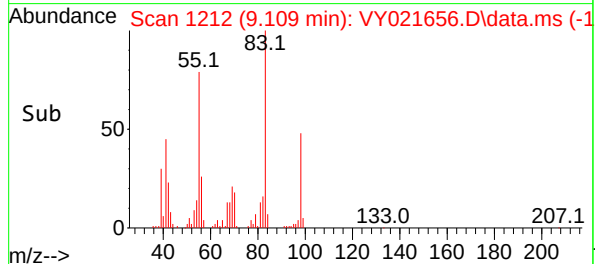
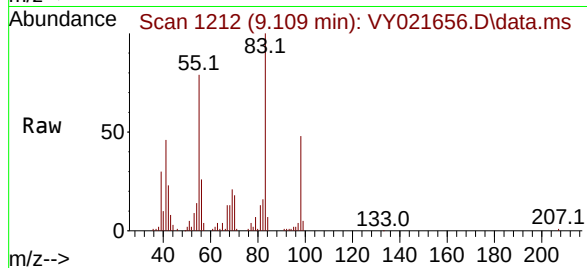
#39
Methylcyclohexane
Concen: 5.023 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 2078
Ion Ratio Lower Upper
83 100
55 78.6 59.7 89.5
98 47.9 38.3 57.5

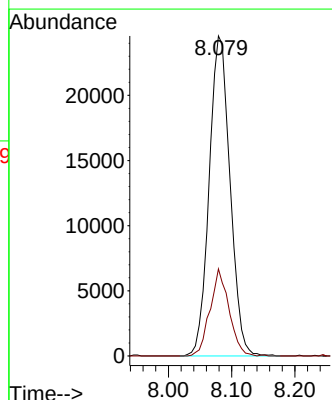
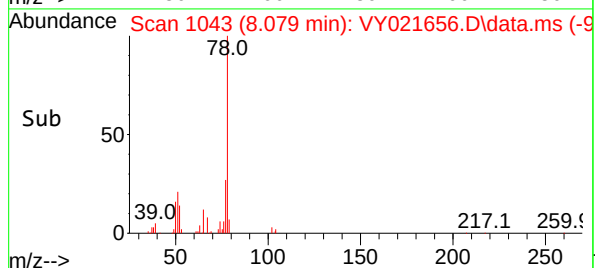
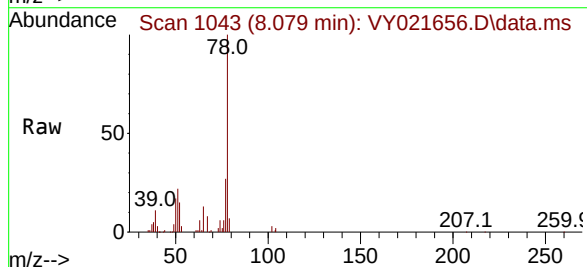
Manual Integrations
APPROVED

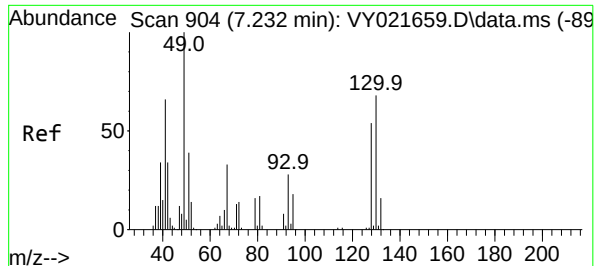
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40
Benzene
Concen: 5.427 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 78 Resp: 56287
Ion Ratio Lower Upper
78 100
77 27.2 18.8 28.2





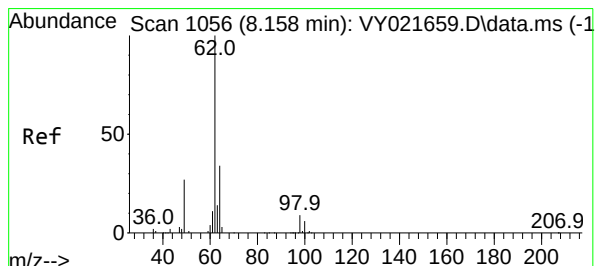
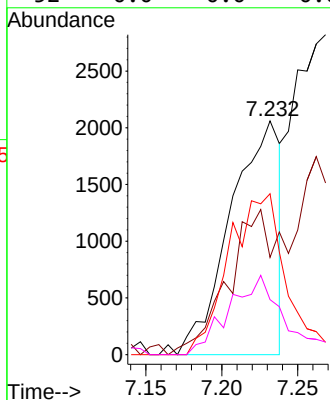
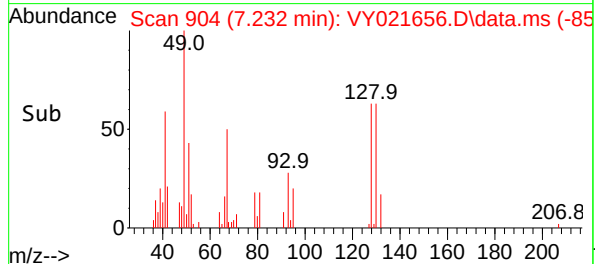
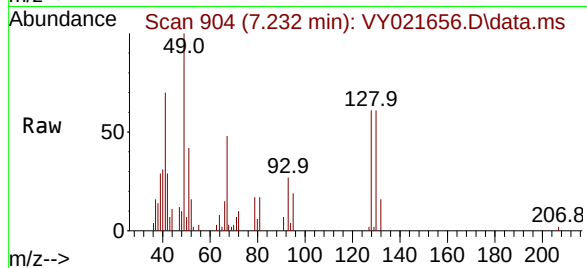
#41
Methacrylonitrile
Concen: 5.402 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4688
Ion Ratio Lower Upper
41 100
39 78.1 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

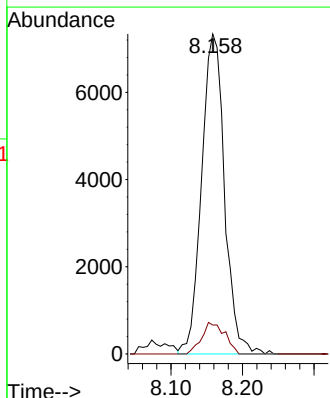
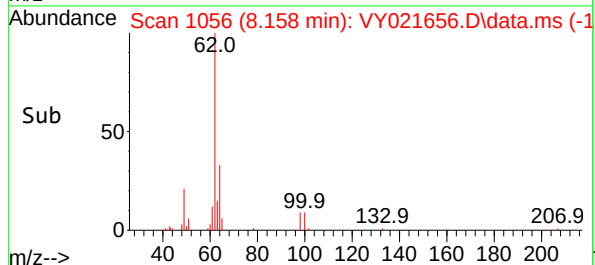
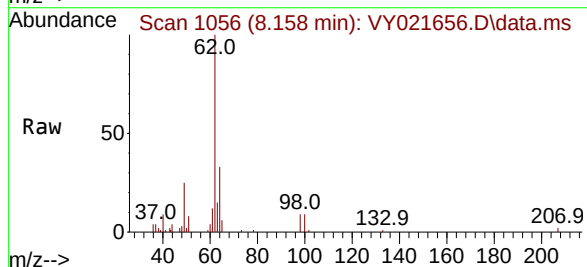
Manual Integrations
APPROVED

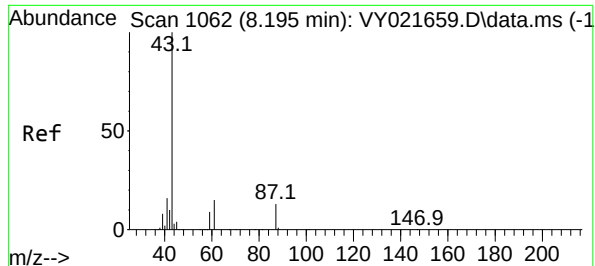
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.4





#43

Isopropyl Acetate

Concen: 5.329 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

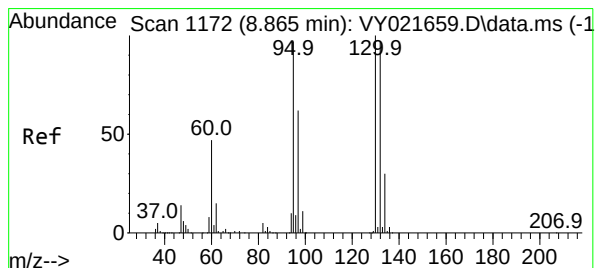
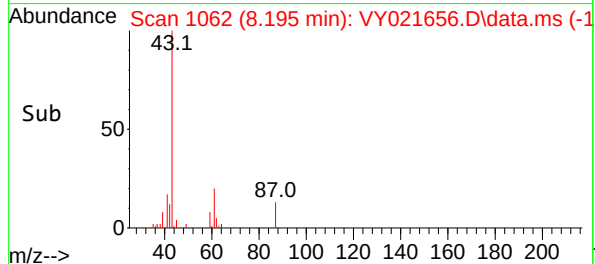
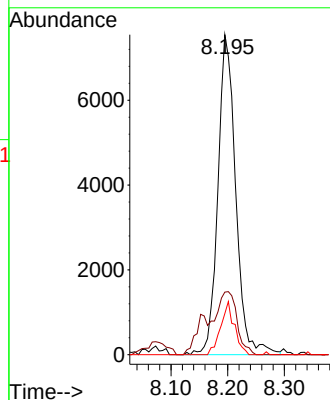
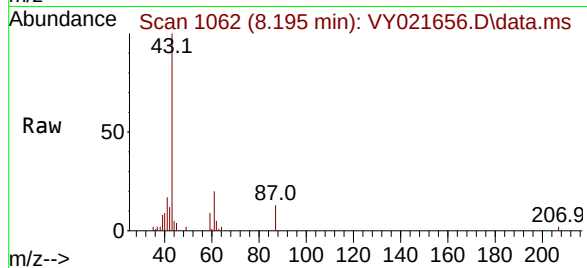
VSTDIC005

Tgt Ion: 43	Resp: 16504
Ion Ratio	Lower Upper
43 100	
61 21.8	15.9 23.9
87 12.8	10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 5.470 ug/l

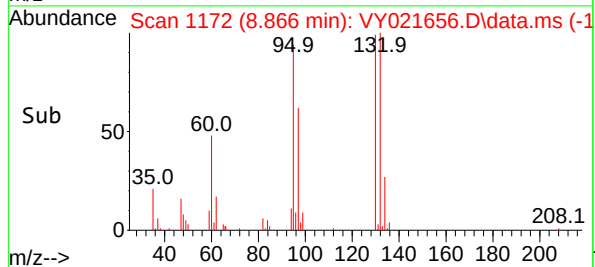
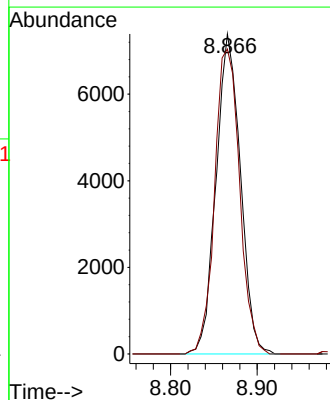
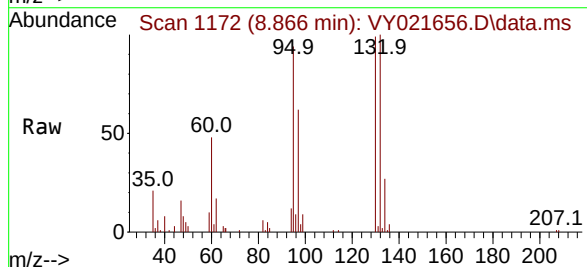
RT: 8.866 min Scan# 1172

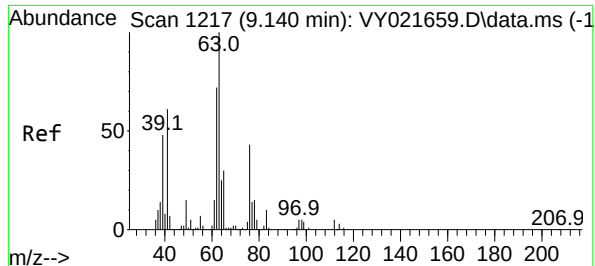
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:130	Resp: 14453
Ion Ratio	Lower Upper
130 100	
95 95.3	0.0 194.8





#45

1,2-Dichloropropane

Concen: 5.470 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 13429

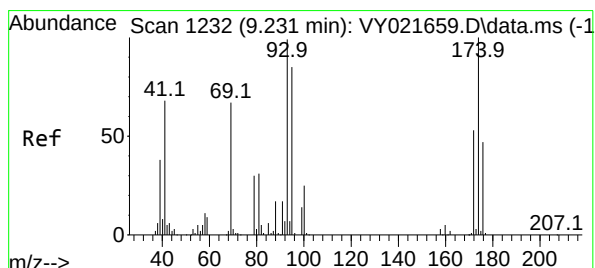
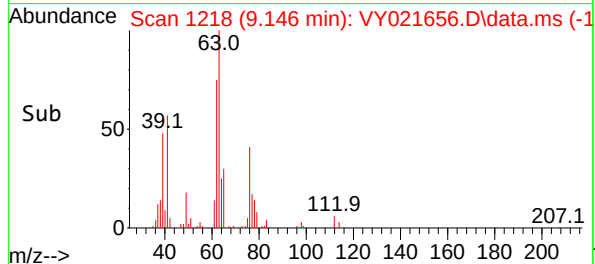
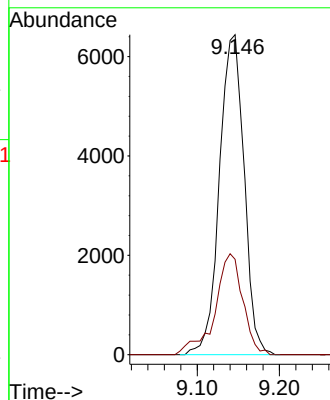
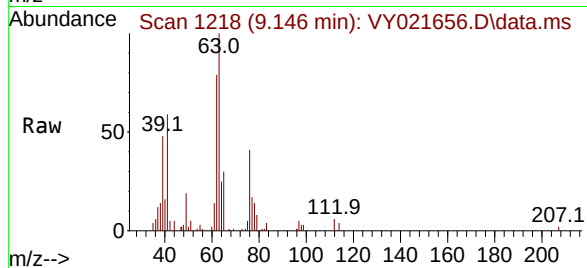
Ion Ratio Lower Upper

63 100

65 29.8 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#46

Dibromomethane

Concen: 5.571 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

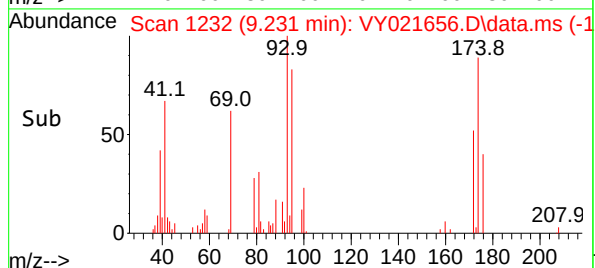
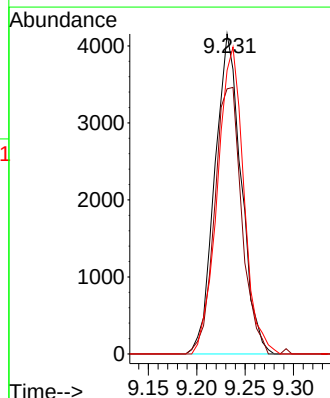
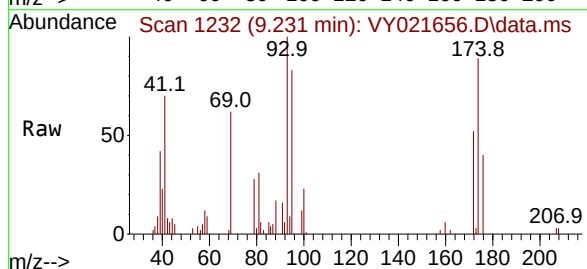
Tgt Ion: 93 Resp: 7882

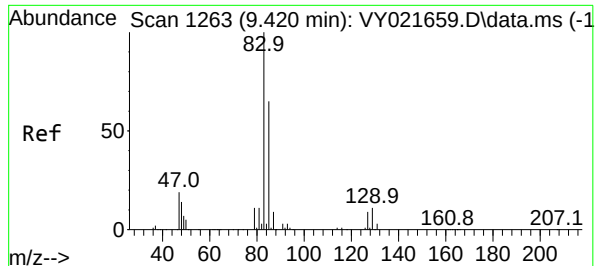
Ion Ratio Lower Upper

93 100

95 85.8 68.1 102.1

174 95.8 80.9 121.3





#47

Bromodichloromethane

Concen: 5.458 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

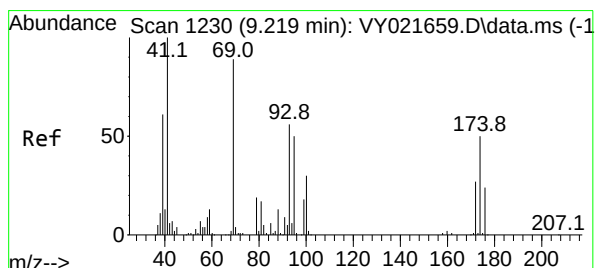
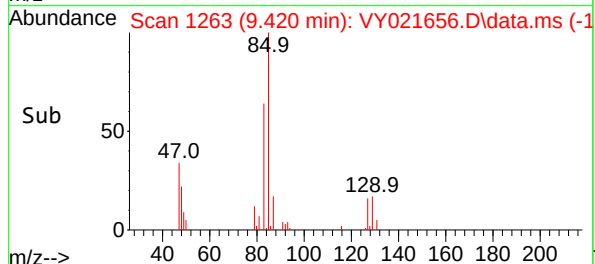
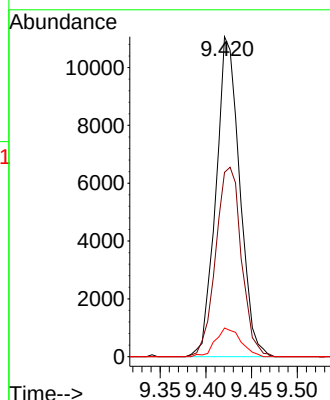
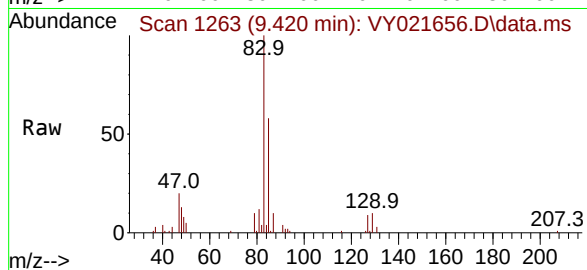
VSTDIC005

Tgt Ion:	83	Resp:	2000
Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 5.225 ug/l

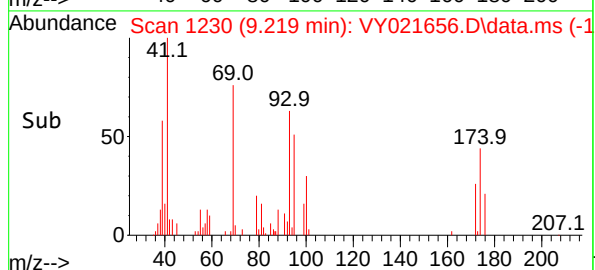
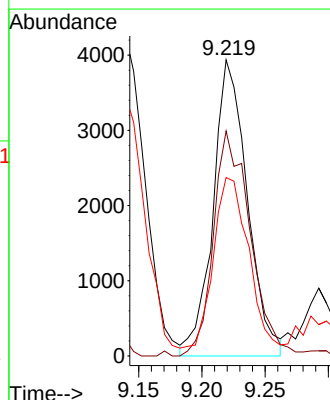
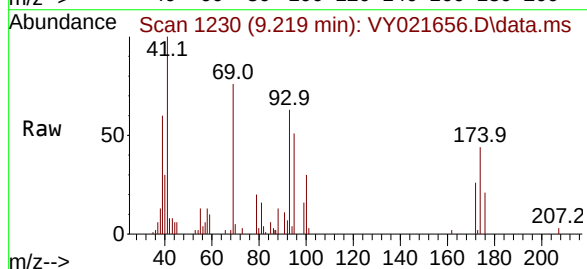
RT: 9.219 min Scan# 1230

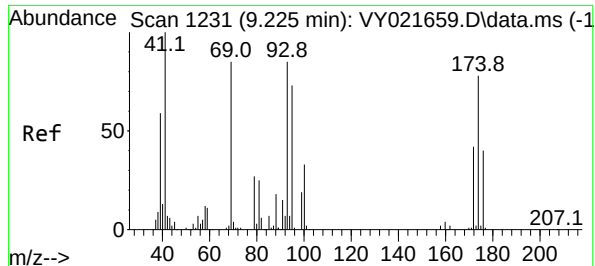
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	41	Resp:	7427
Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8





#49

1,4-Dioxane

Concen: 103.789 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

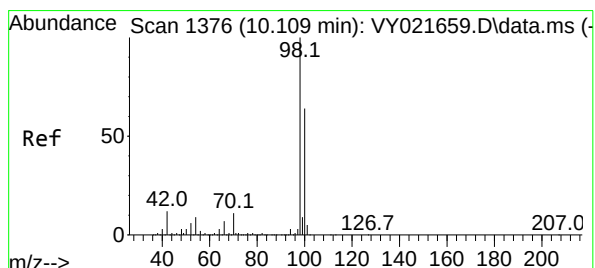
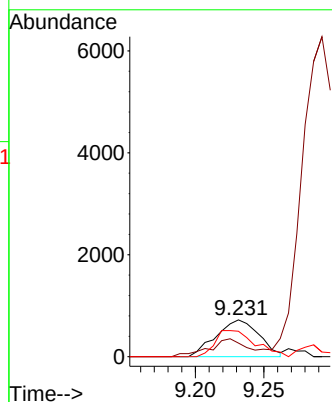
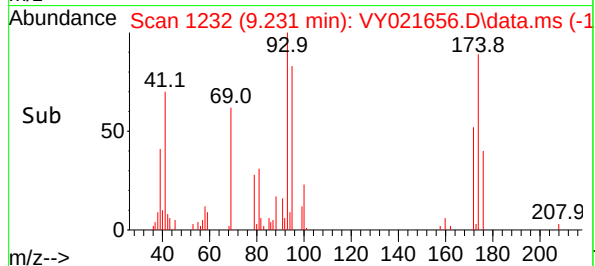
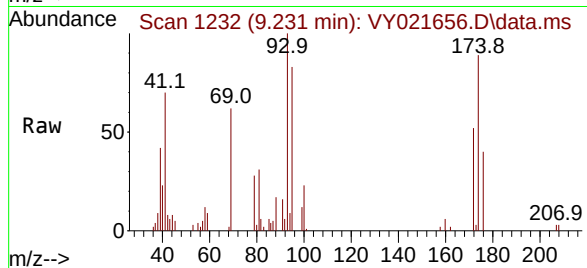
VSTDICC005

Tgt Ion:	88	Resp:	157
Ion	Ratio	Lower	Upper
88	100		
43	40.8	28.8	43.2
58	66.1	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 5.177 ug/l

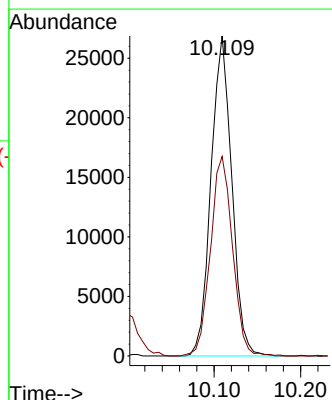
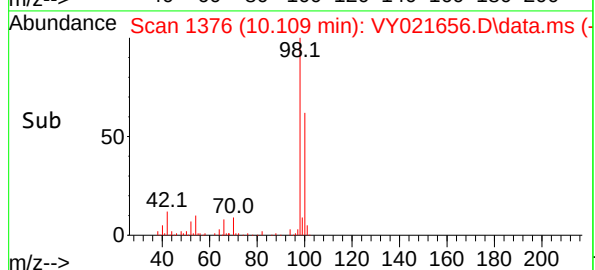
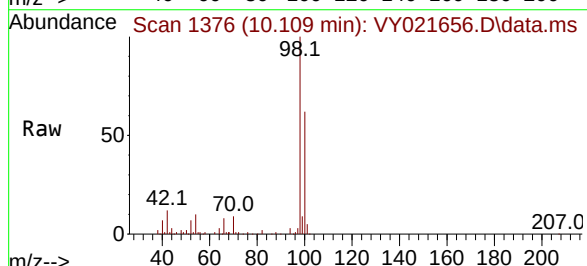
RT: 10.109 min Scan# 1376

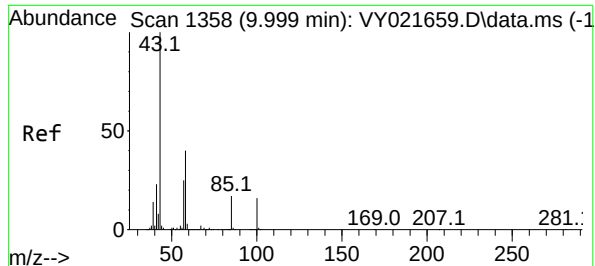
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	98	Resp:	44774
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1





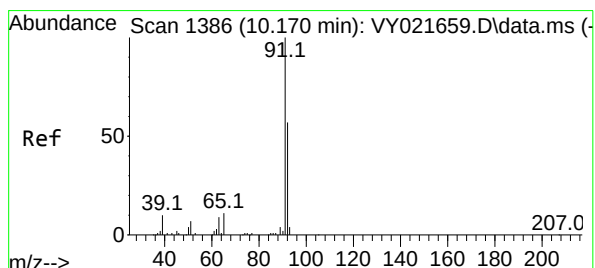
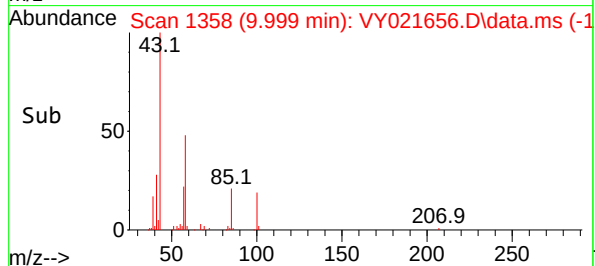
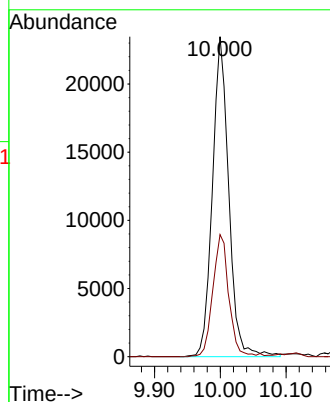
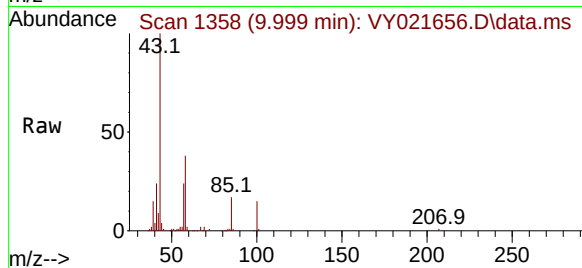
#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 4060
Ion Ratio Lower Upper
43 100
58 37.6 31.5 47.3

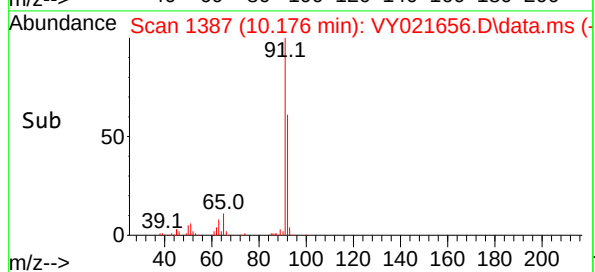
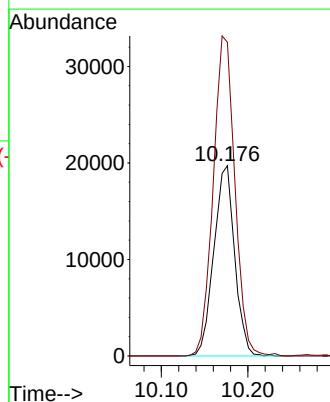
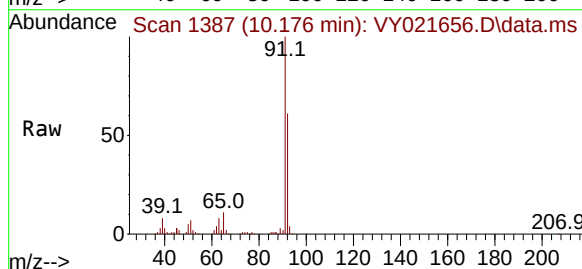
Manual Integrations
APPROVED

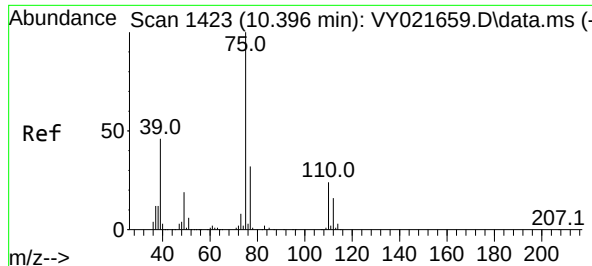
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

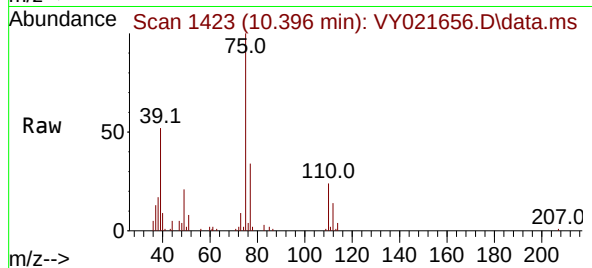
Tgt Ion: 92 Resp: 32954
Ion Ratio Lower Upper
92 100
91 175.0 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

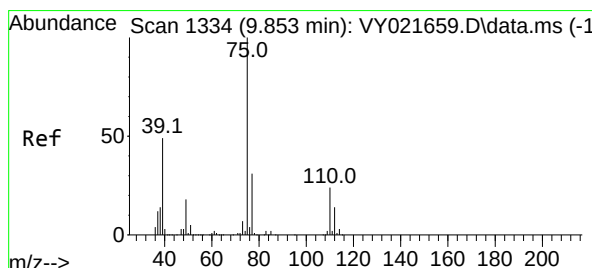
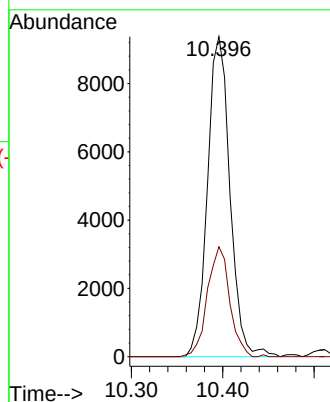
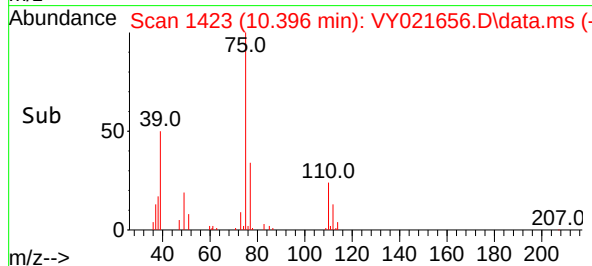
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 1598
Ion Ratio Lower Upper
75 100
77 34.4 25.3 37.9

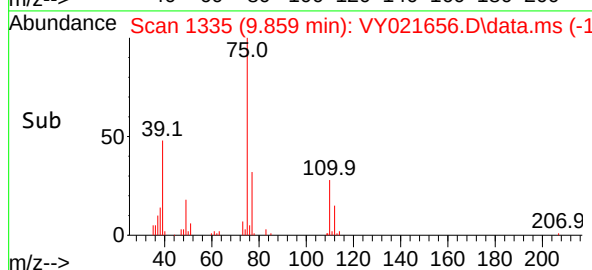
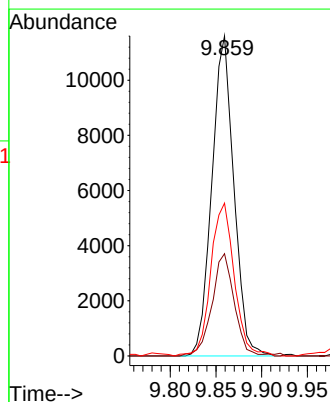
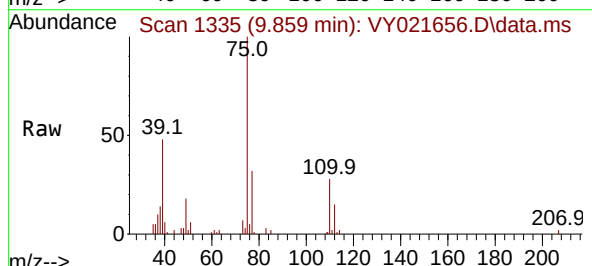
Manual Integrations
APPROVED

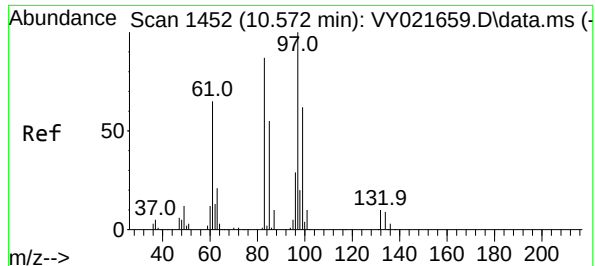
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

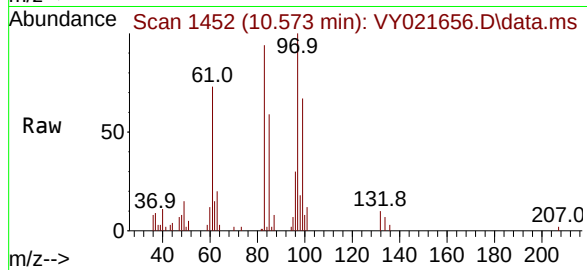
Tgt Ion: 75 Resp: 19395
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 47.7 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 5.384 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

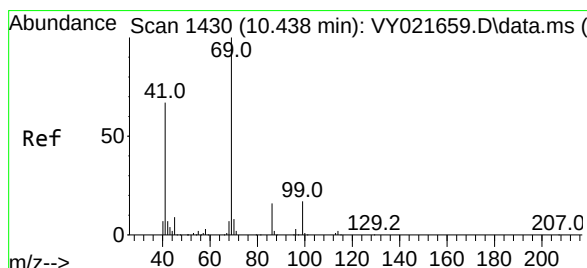
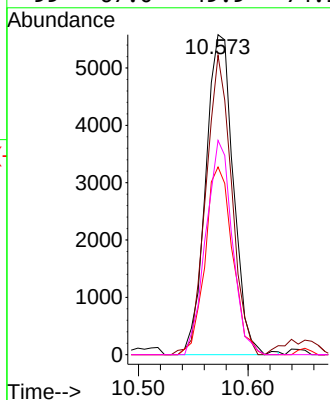
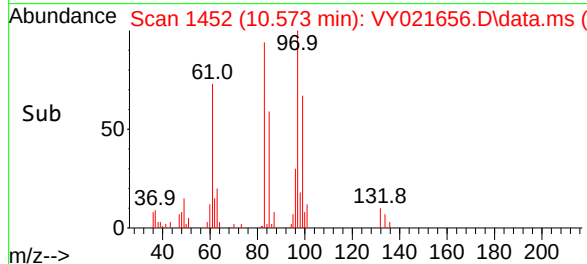
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:	97	Resp:	980
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.7	43.9	65.9
99	67.0	49.9	74.9

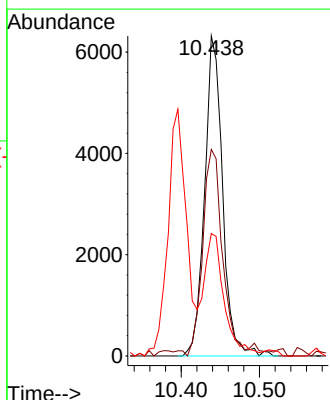
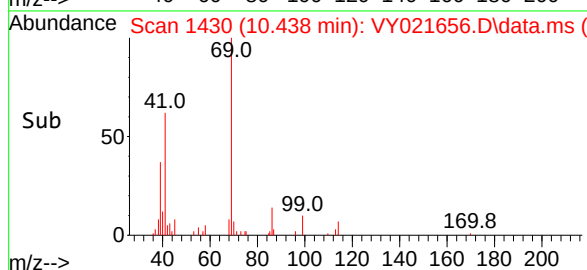
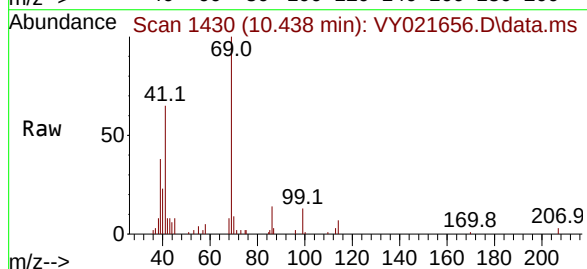
Manual Integrations
APPROVED

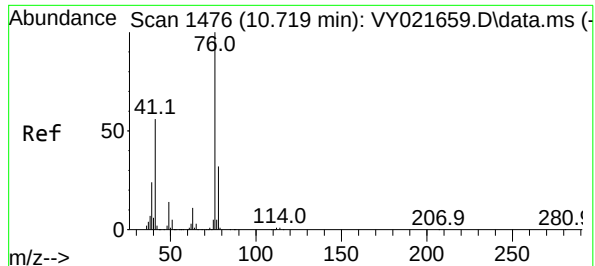
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

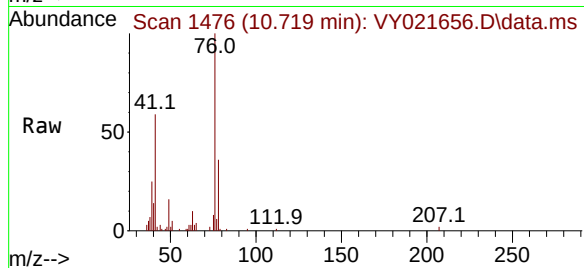
Tgt Ion:	69	Resp:	10060
Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4





#57
1,3-Dichloropropane
Concen: 5.258 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

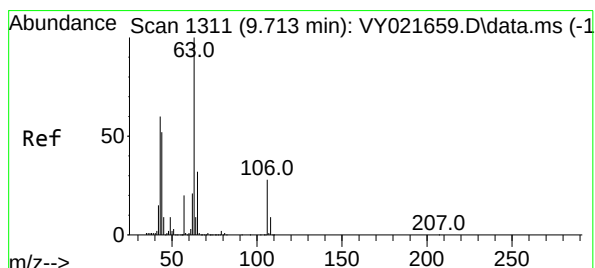
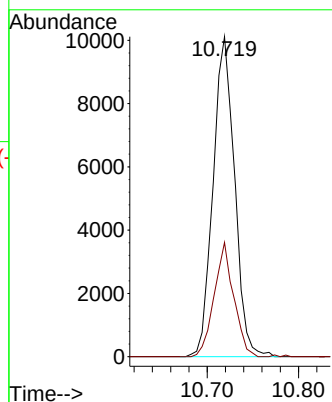
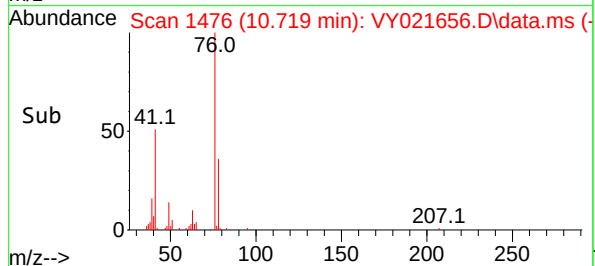
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 76 Resp: 16534
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

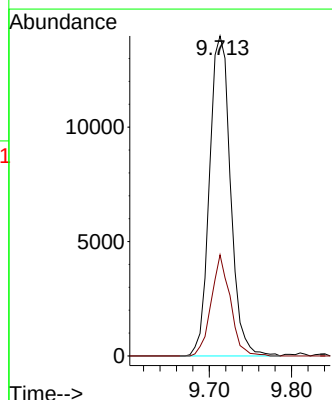
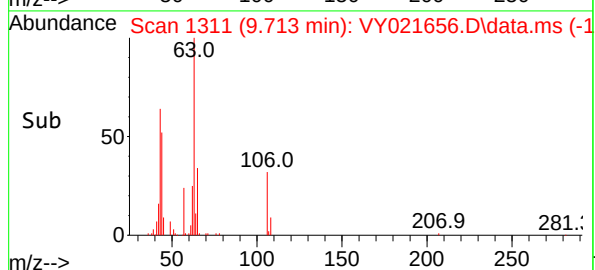
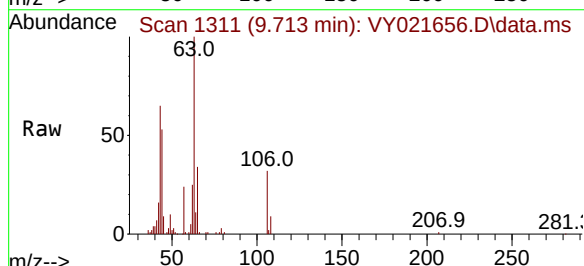
Manual Integrations
APPROVED

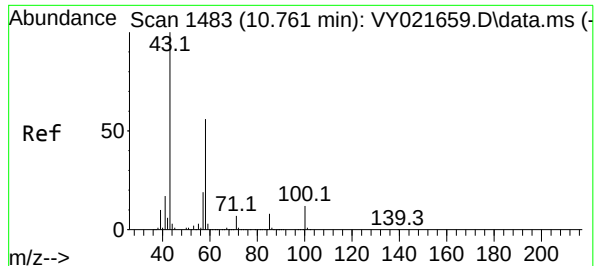
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 21.959 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 24903
Ion Ratio Lower Upper
63 100
106 28.8 22.4 33.6





#59

2-Hexanone

Concen: 25.145 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 2699

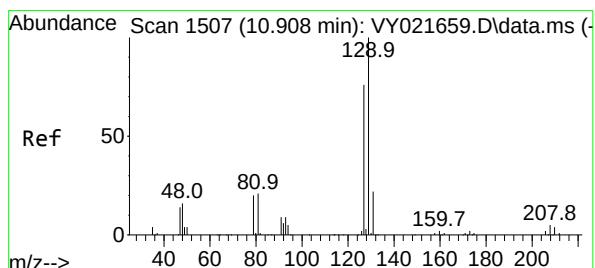
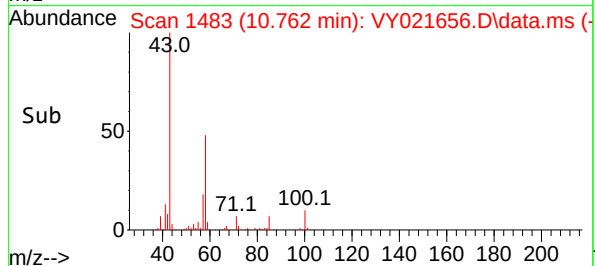
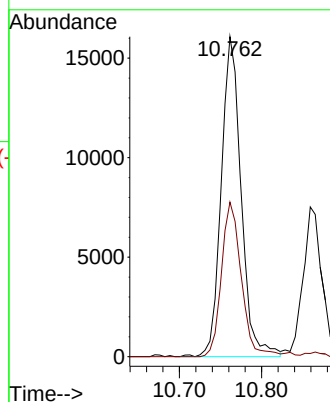
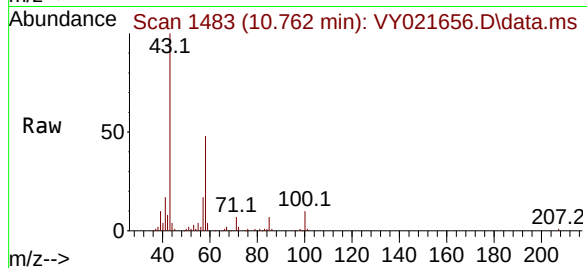
Ion Ratio Lower Upper

43 100

58 48.9 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#60

Dibromochloromethane

Concen: 5.231 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021656.D

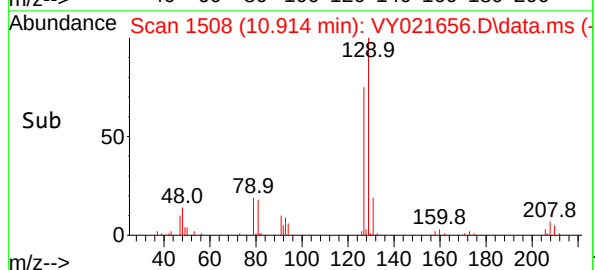
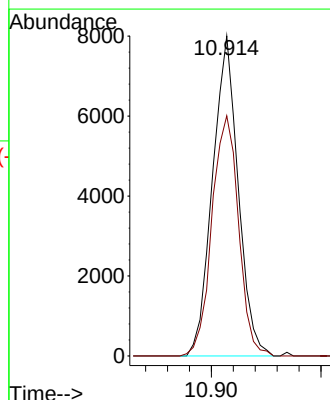
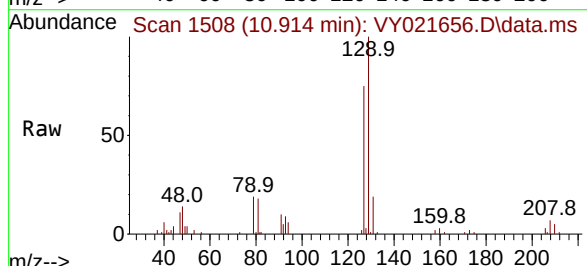
Acq: 27 Mar 2025 10:08

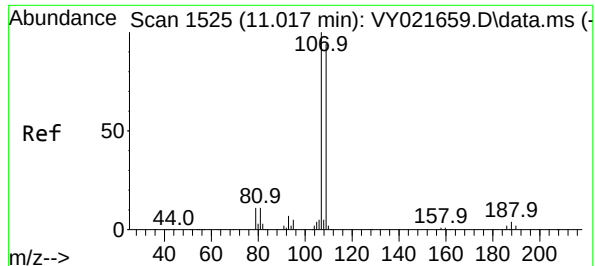
Tgt Ion:129 Resp: 13002

Ion Ratio Lower Upper

129 100

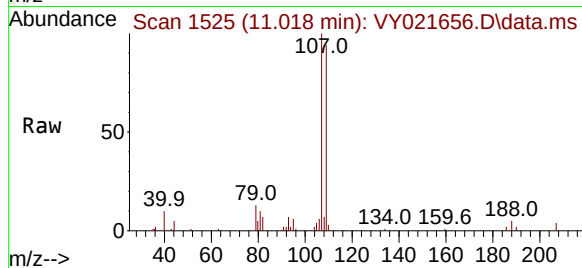
127 77.8 38.6 115.7





#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

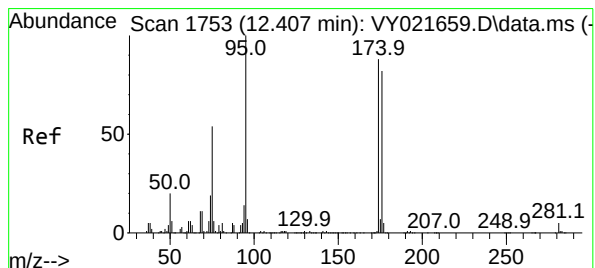
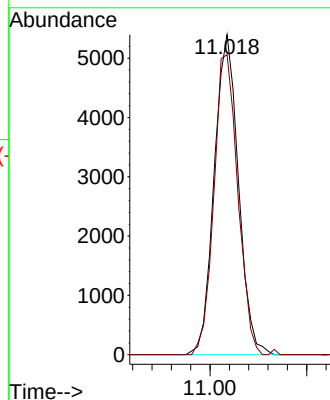
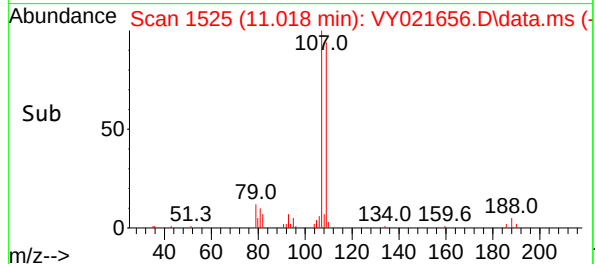
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 107 Resp: 934
Ion Ratio Lower Upper
107 100
109 92.9 74.4 111.6

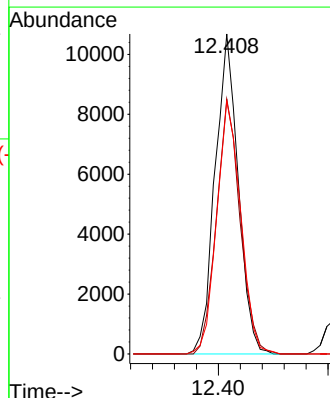
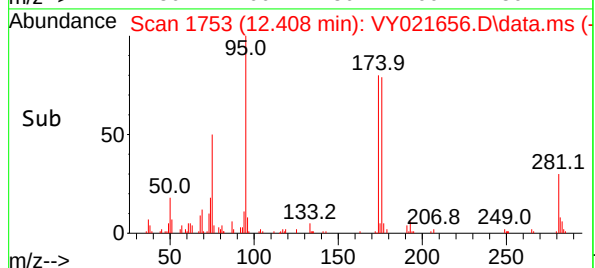
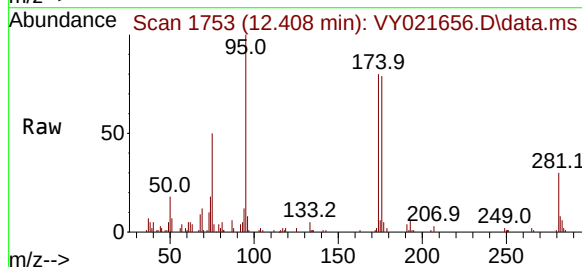
Manual Integrations
APPROVED

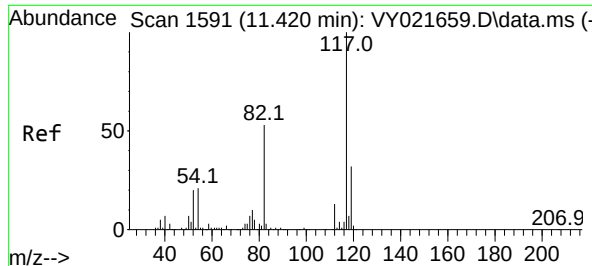
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

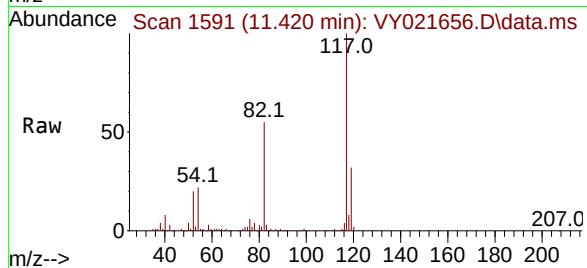
Tgt Ion: 95 Resp: 15657
Ion Ratio Lower Upper
95 100
174 81.4 0.0 170.8
176 81.7 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

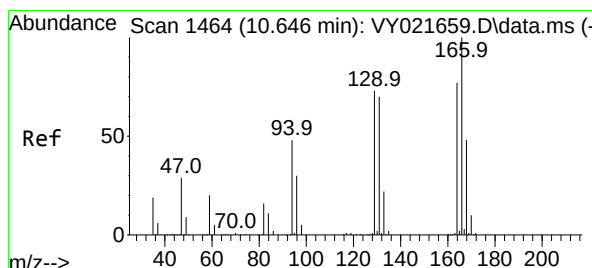
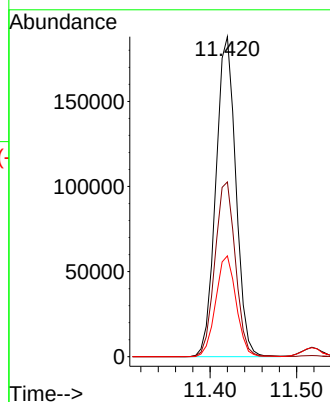
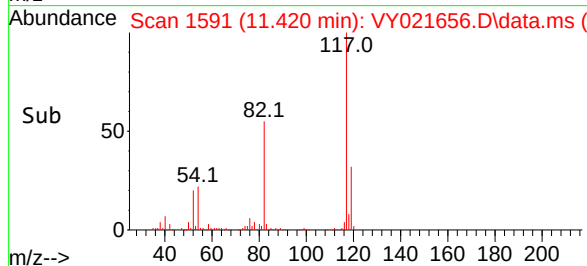
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 30138
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 31.5 25.7 38.5

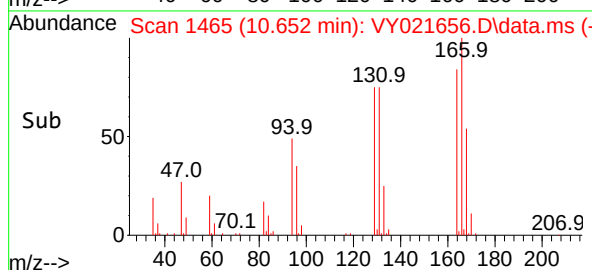
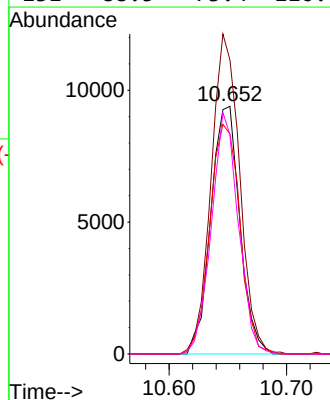
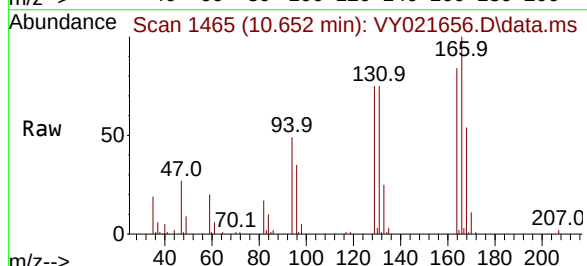
Manual Integrations
APPROVED

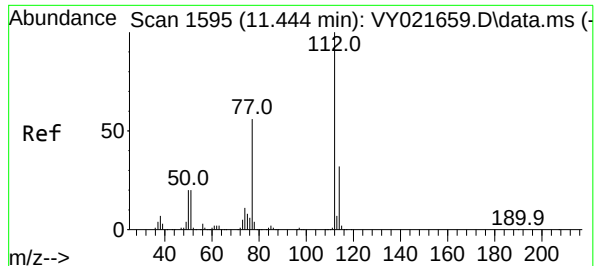
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085
Ion Ratio Lower Upper
164 100
166 118.7 104.6 156.8
129 88.8 76.6 114.8
131 88.5 73.4 110.0





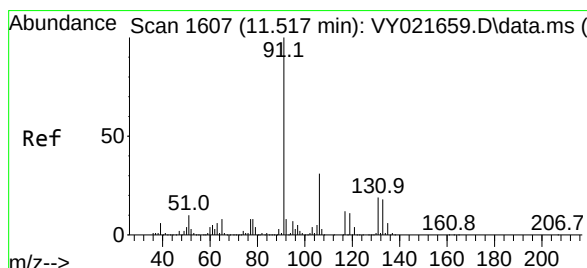
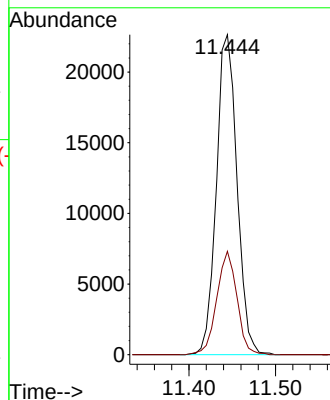
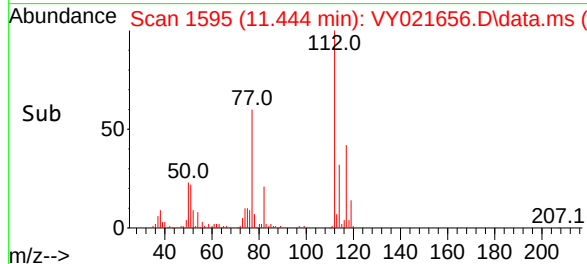
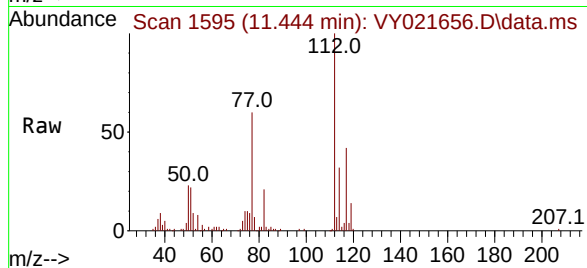
#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 3750
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

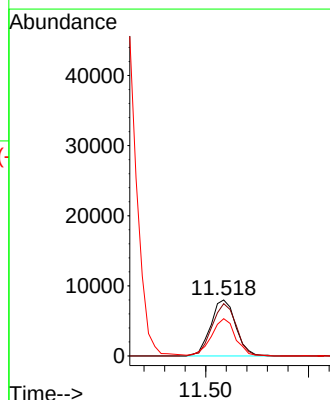
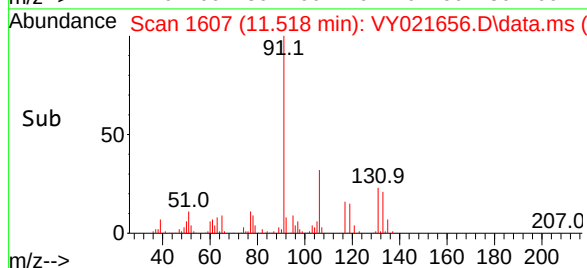
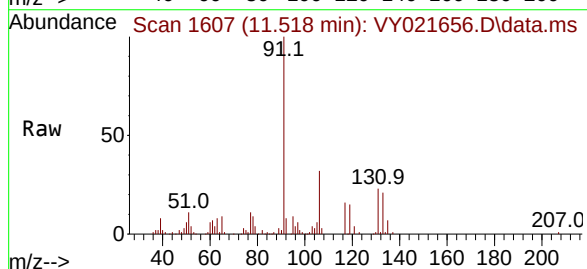
Manual Integrations
APPROVED

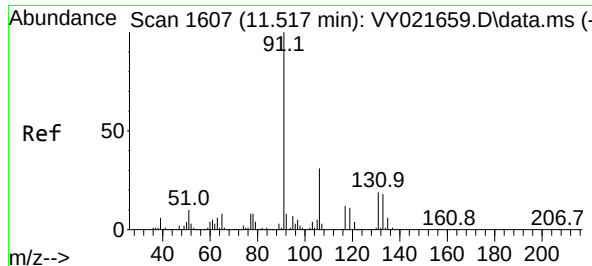
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496
Ion Ratio Lower Upper
131 100
133 91.0 47.3 141.8
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 4.959 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 58750

Ion Ratio Lower Upper

91 100

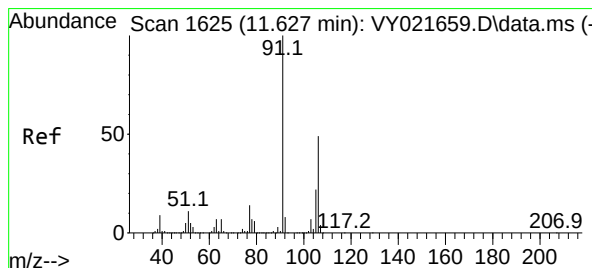
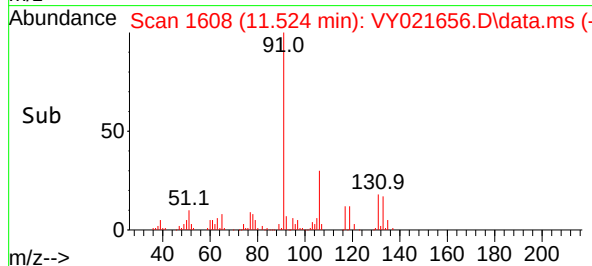
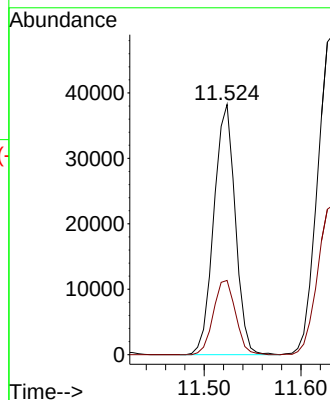
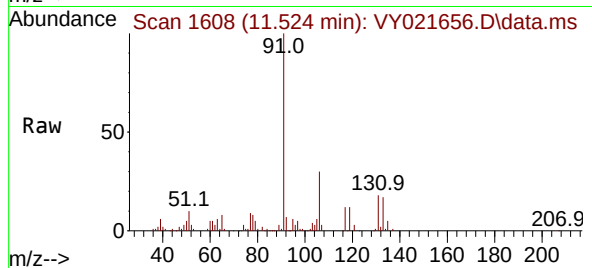
106 29.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 9.652 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021656.D

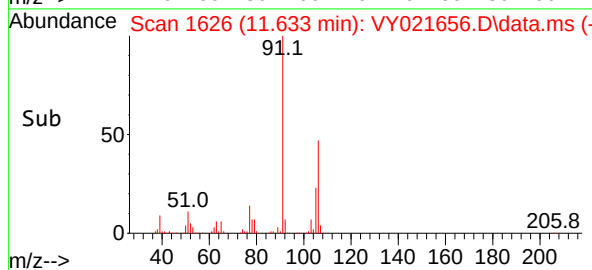
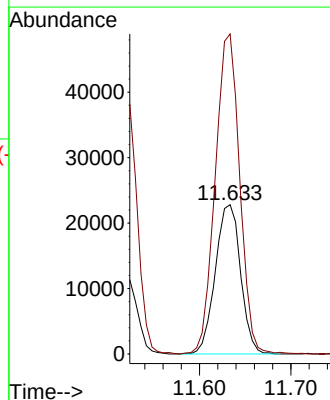
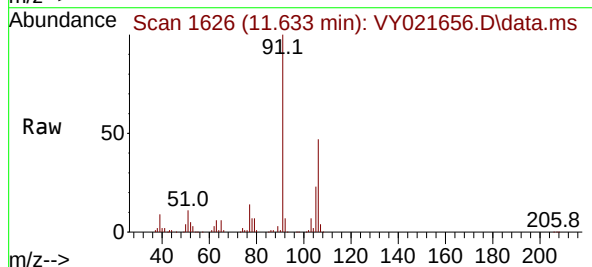
Acq: 27 Mar 2025 10:08

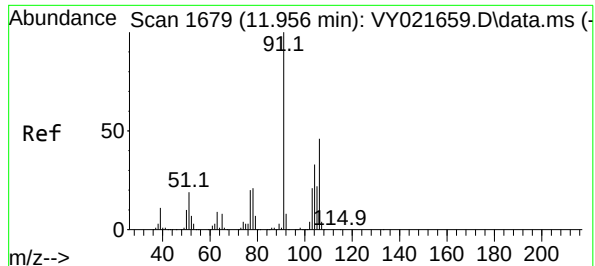
Tgt Ion:106 Resp: 43785

Ion Ratio Lower Upper

106 100

91 208.3 162.4 243.6





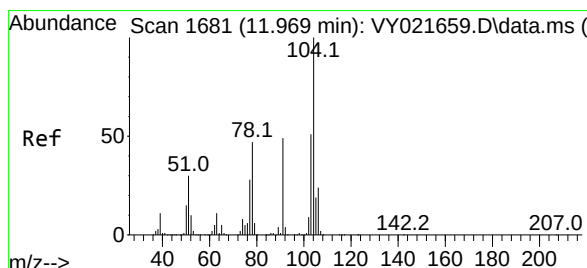
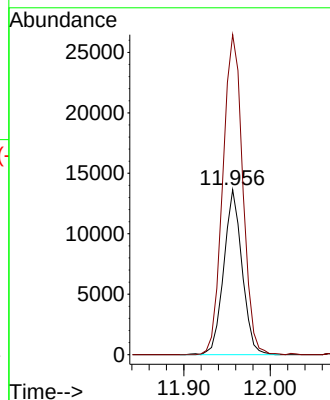
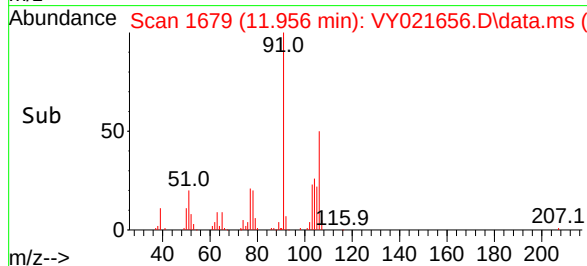
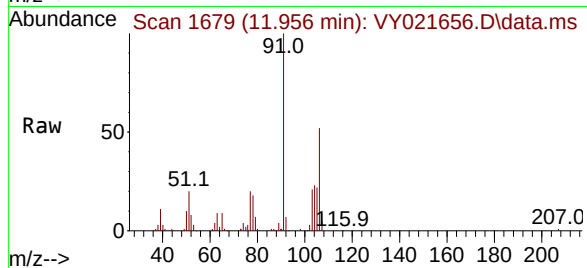
#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 2004
Ion Ratio Lower Upper
106 100
91 210.7 106.7 319.9

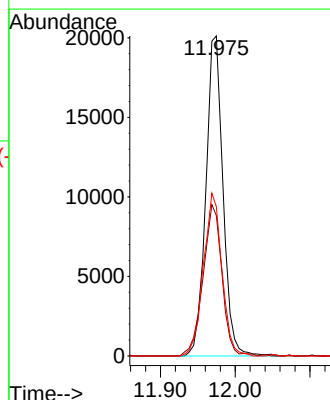
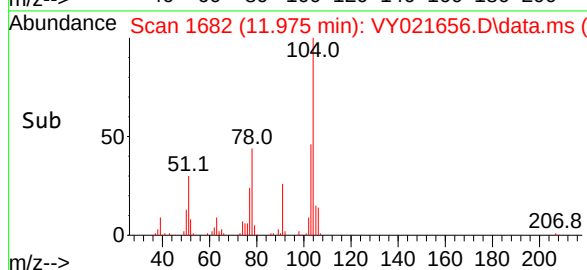
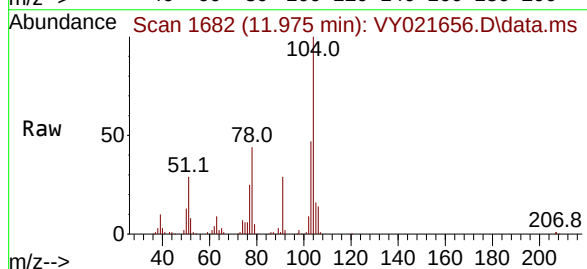
Manual Integrations
APPROVED

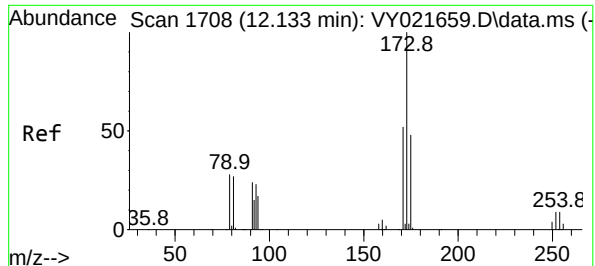
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

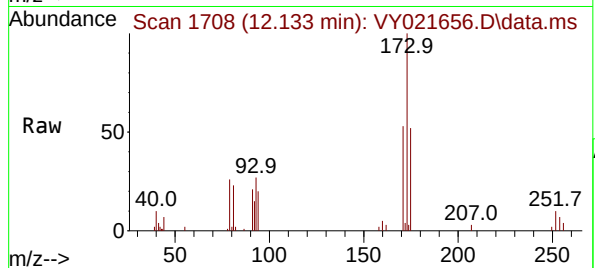
Tgt Ion:104 Resp: 32075
Ion Ratio Lower Upper
104 100
78 52.0 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 5.187 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

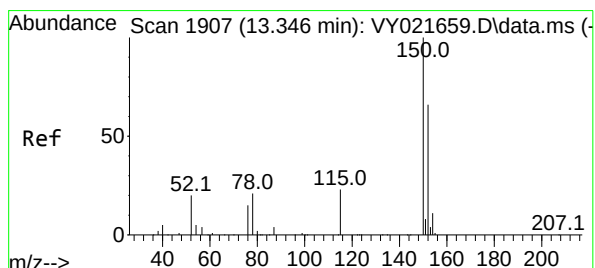
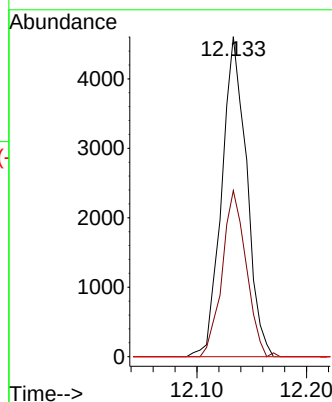
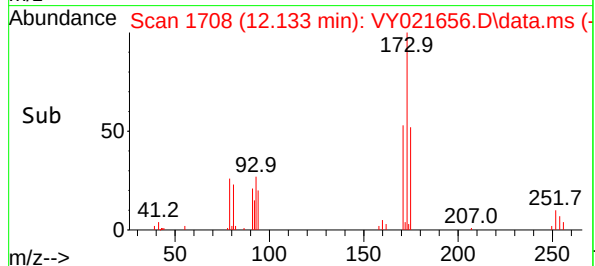
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



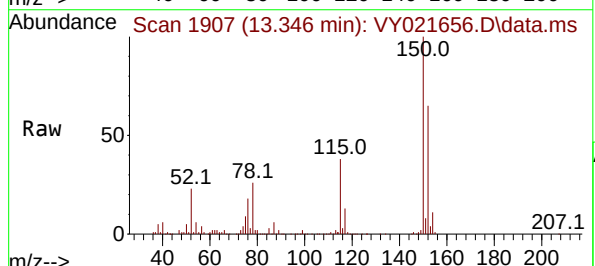
Tgt Ion:173 Resp: 725
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

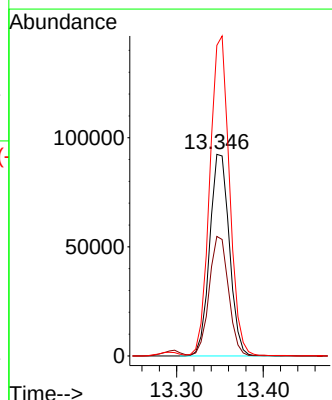
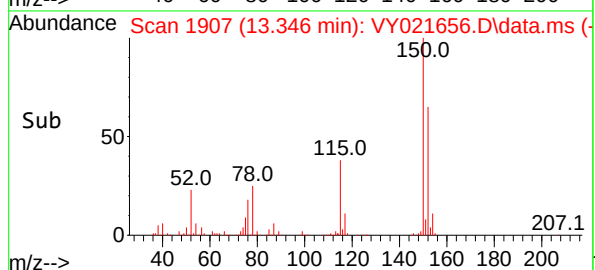
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

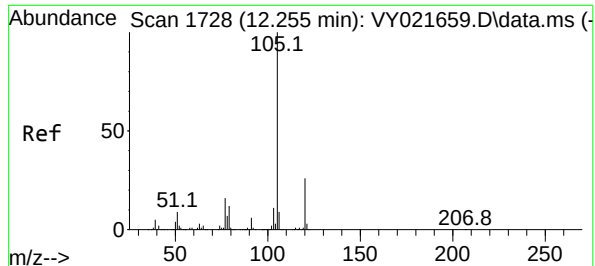


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



Tgt Ion:152 Resp: 145682
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 158.9 0.0 348.4





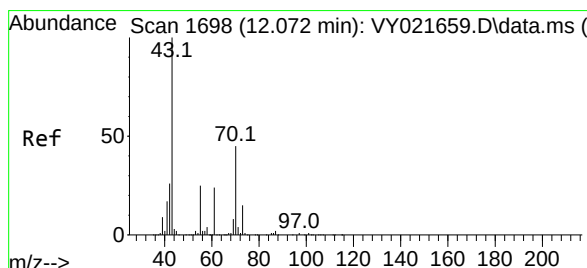
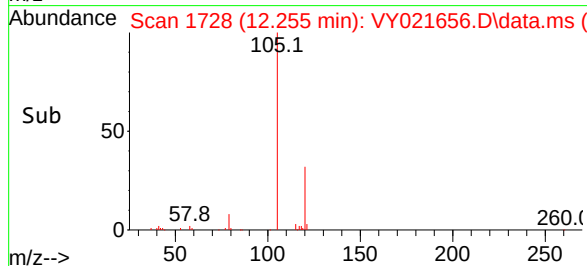
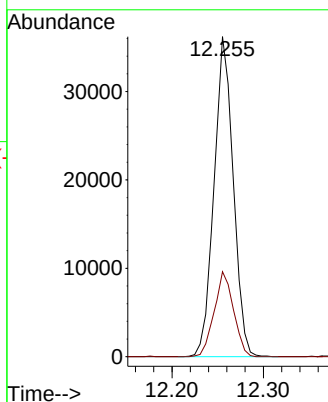
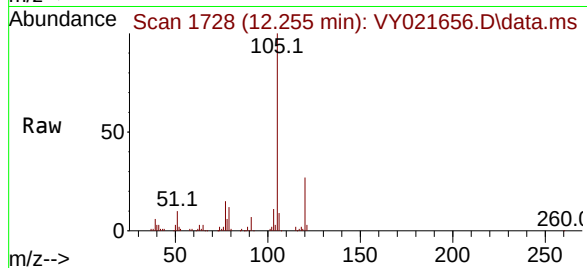
#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 52860
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5

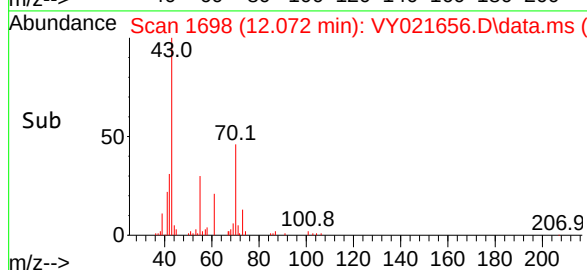
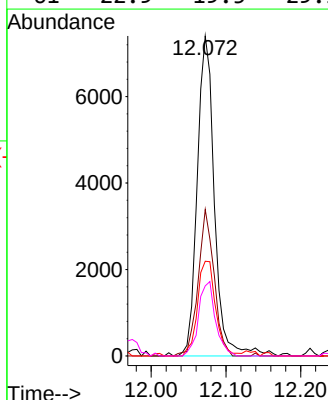
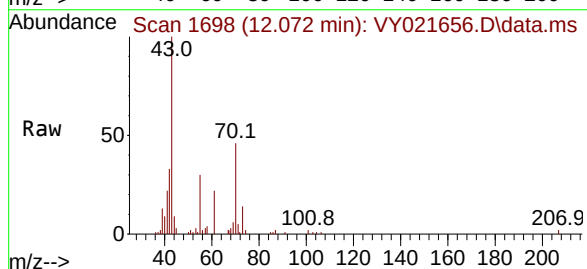
Manual Integrations
APPROVED

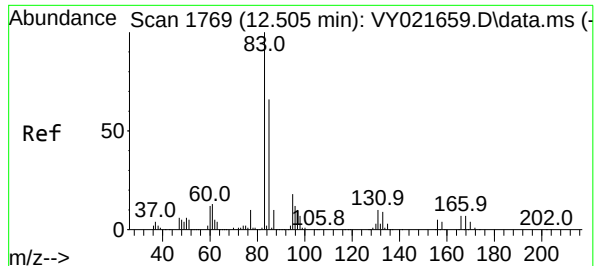
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
70 42.3 34.7 52.1
55 31.4 21.2 31.8
61 22.9 19.5 29.3





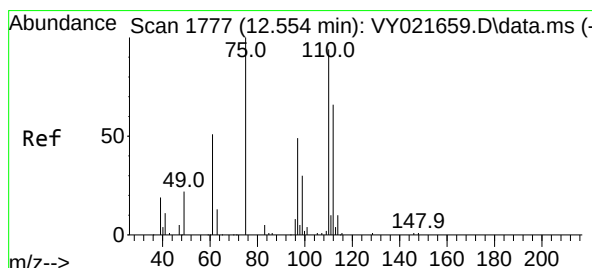
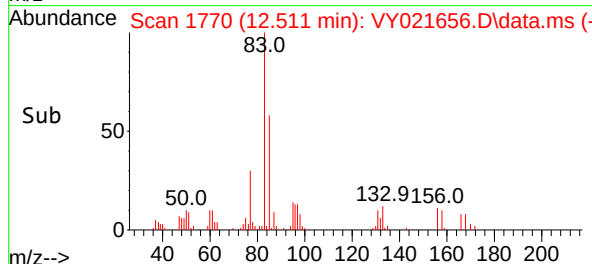
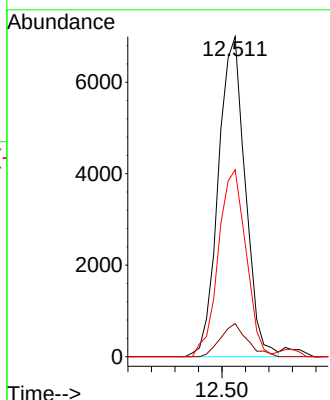
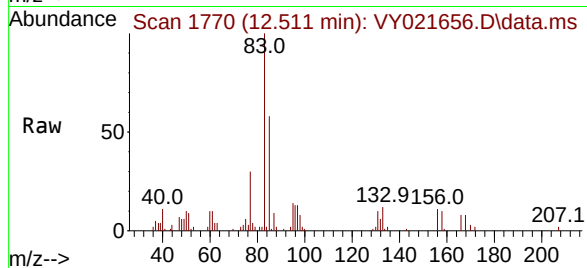
#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 1113
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 60.1 32.3 96.8

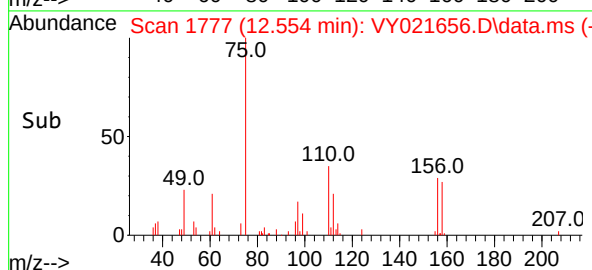
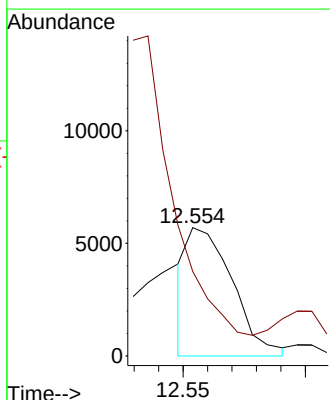
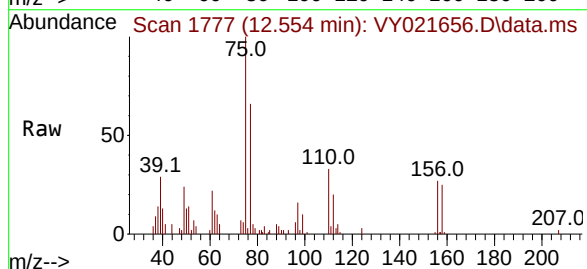
Manual Integrations
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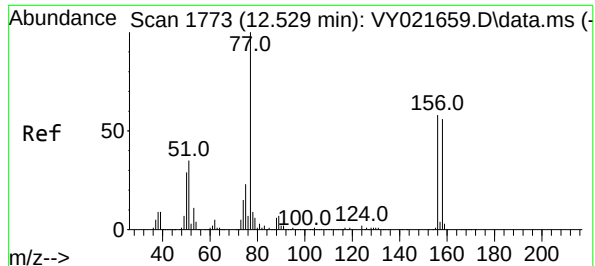
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 5.106 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 7373
Ion Ratio Lower Upper
75 100
77 351.5 0.0 0.0#





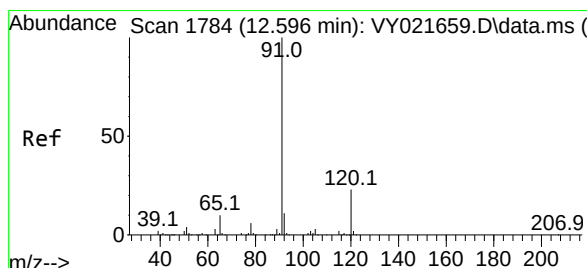
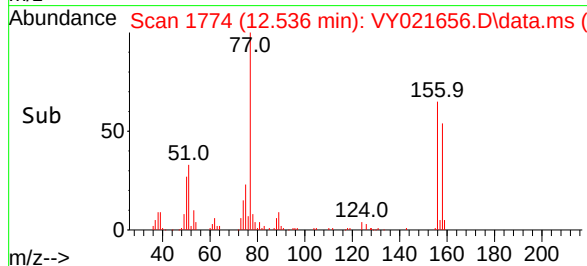
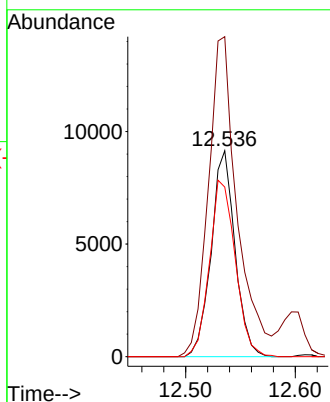
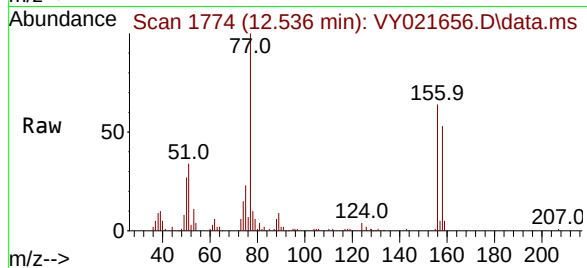
#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 1378
Ion Ratio Lower Upper
156 100
77 188.0 92.8 278.3
158 93.2 48.5 145.6

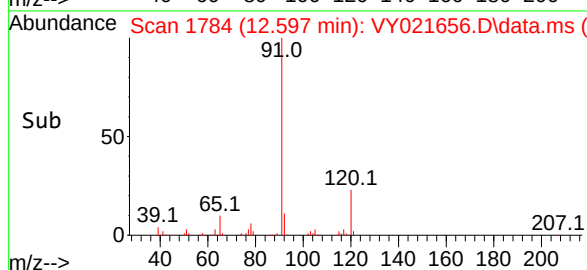
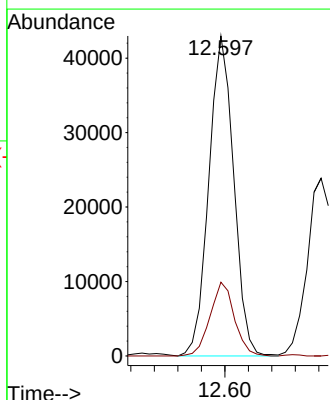
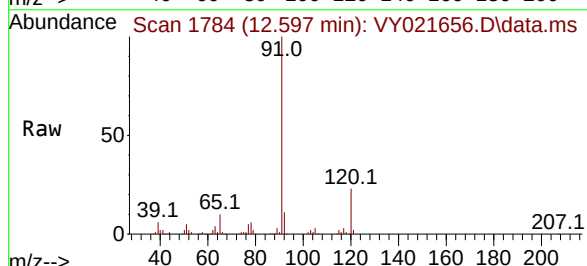
Manual Integrations
APPROVED

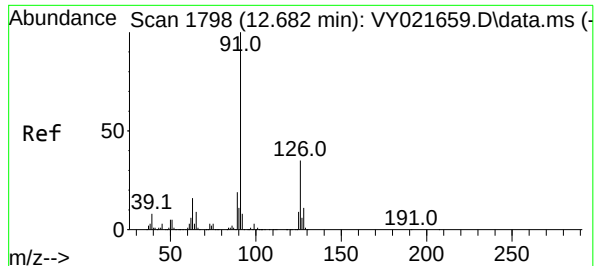
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 4.868 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 63324
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9





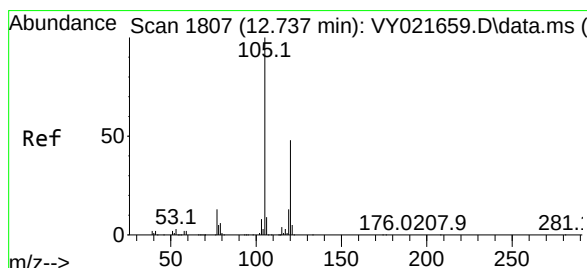
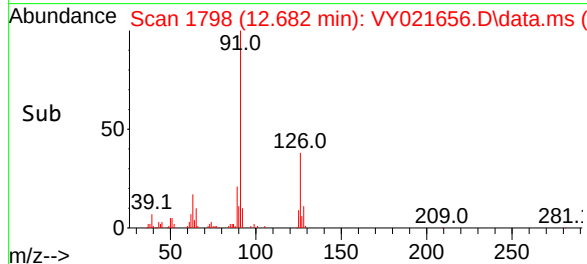
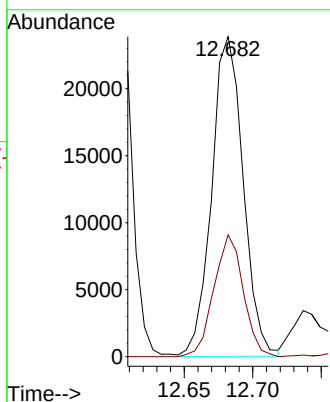
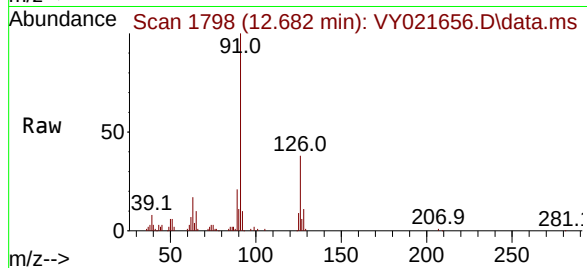
#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 3810
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0

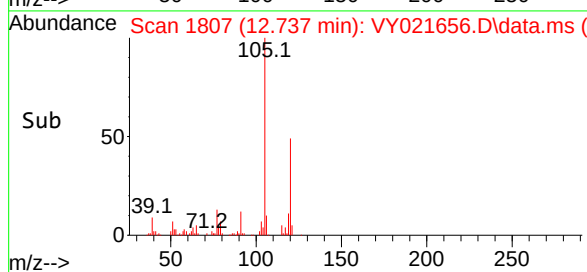
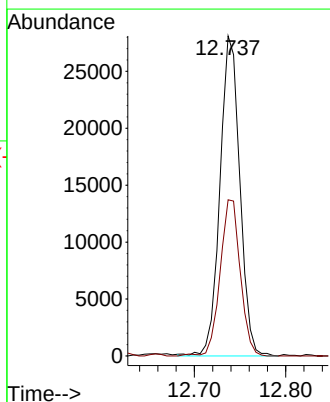
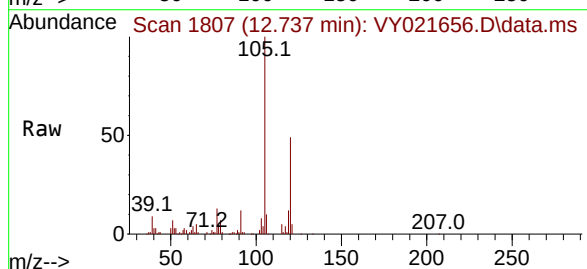
Manual Integrations
APPROVED

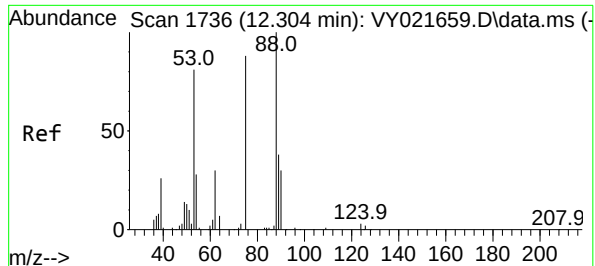
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

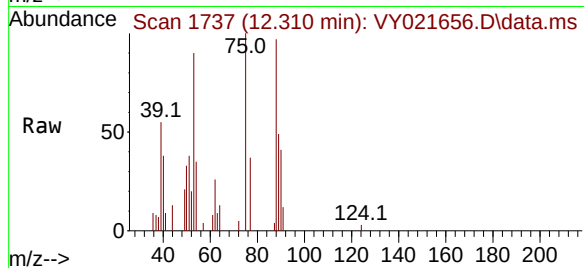
Tgt Ion:105 Resp: 42499
Ion Ratio Lower Upper
105 100
120 49.5 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

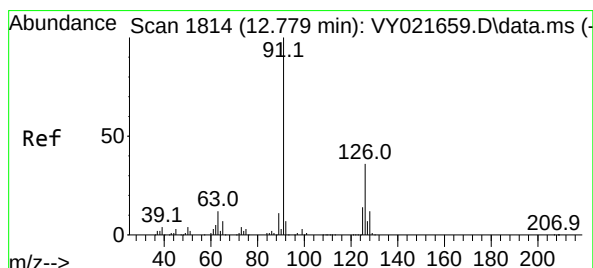
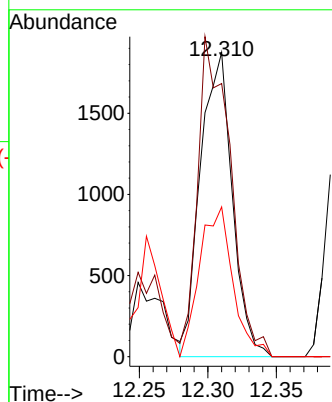
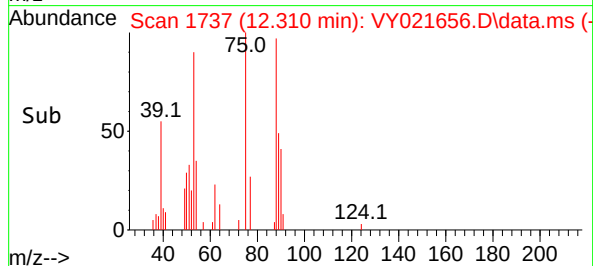
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 302
Ion Ratio Lower Upper
75 100
53 107.4 76.1 114.1
89 51.7 36.2 54.4

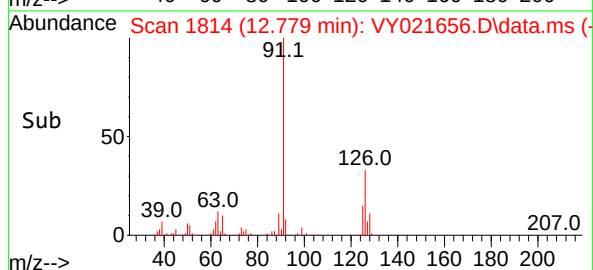
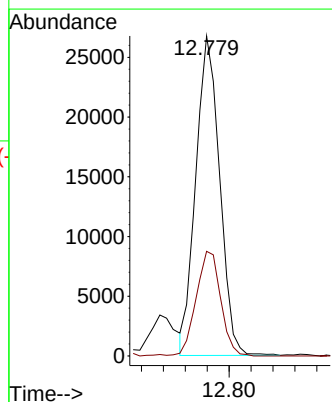
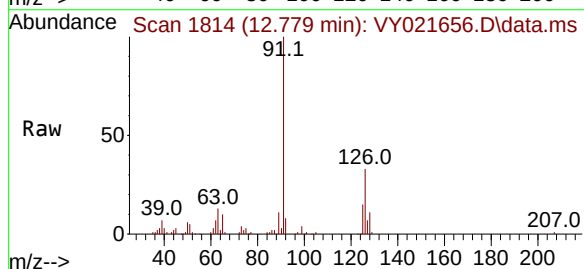
Manual Integrations
APPROVED

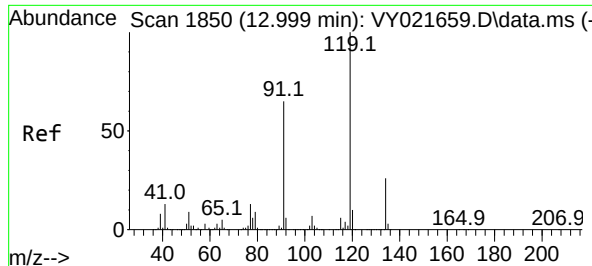
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

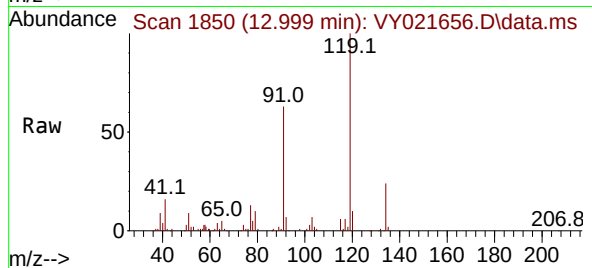
Tgt Ion: 91 Resp: 40326
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83
tert-Butylbenzene
Concen: 4.801 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

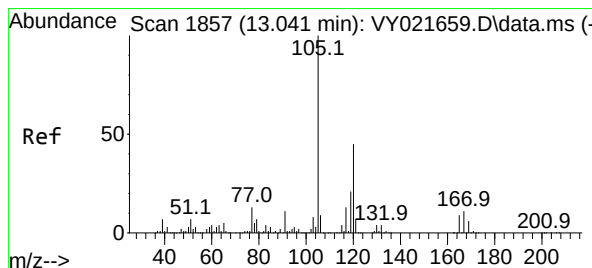
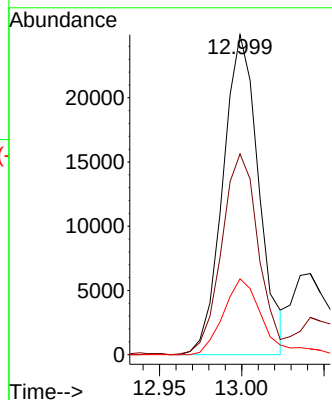
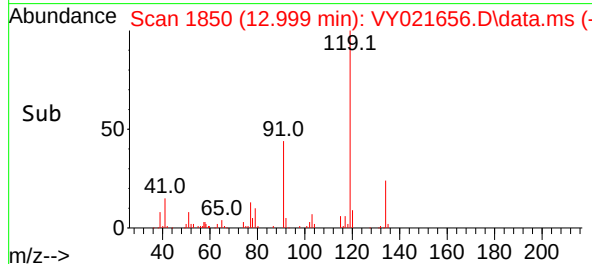
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:119 Resp: 3781
Ion Ratio Lower Upper
119 100
91 65.7 32.6 97.7
134 26.1 13.2 39.6

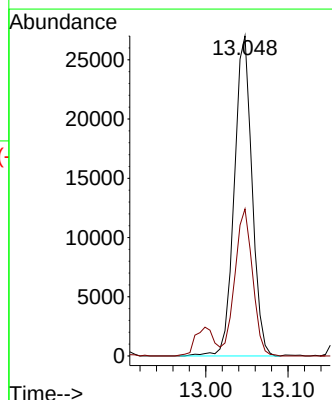
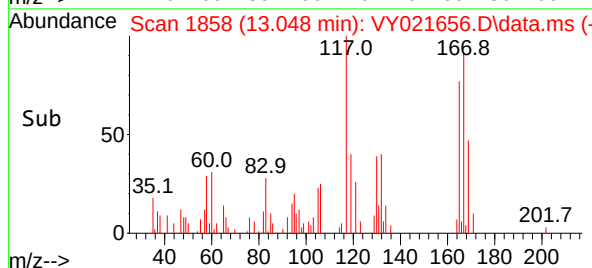
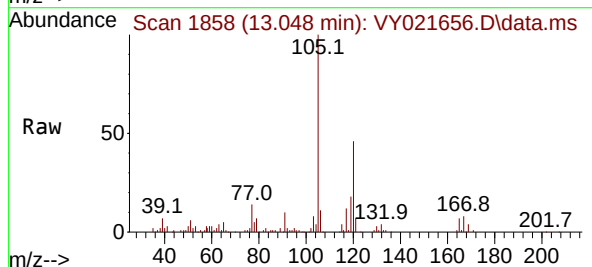
Manual Integrations
APPROVED

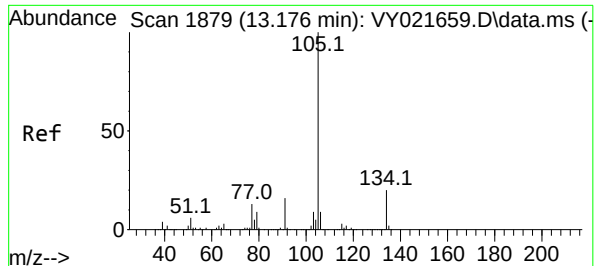
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.639 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 40547
Ion Ratio Lower Upper
105 100
120 46.0 22.7 68.1





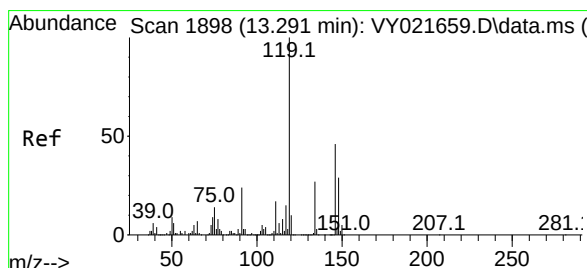
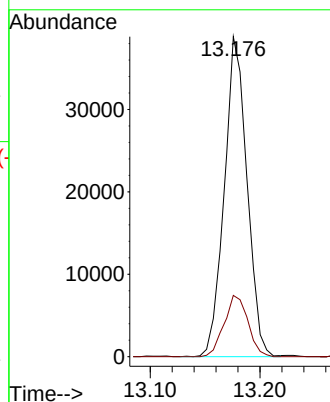
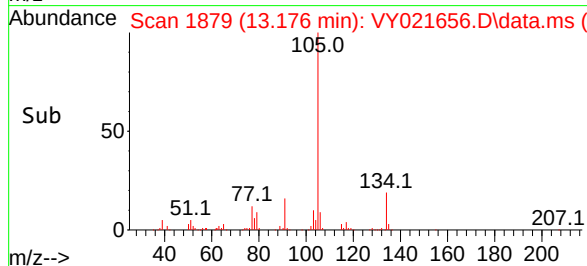
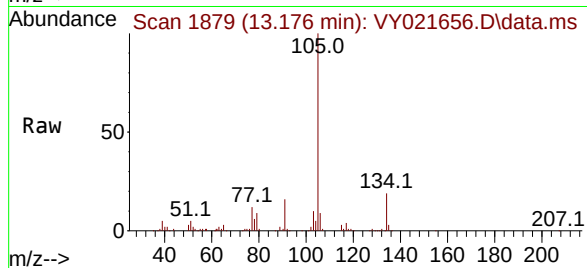
#85
sec-Butylbenzene
Concen: 4.858 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 55918
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

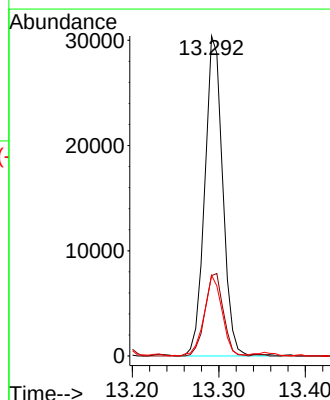
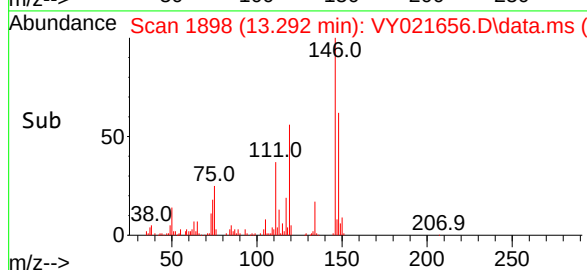
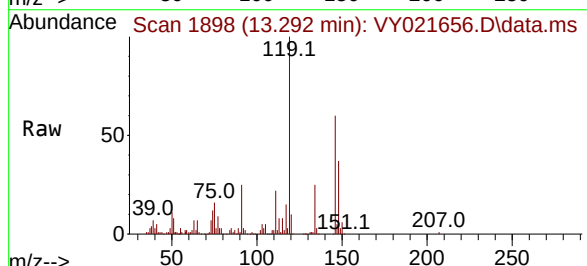
Manual Integrations
APPROVED

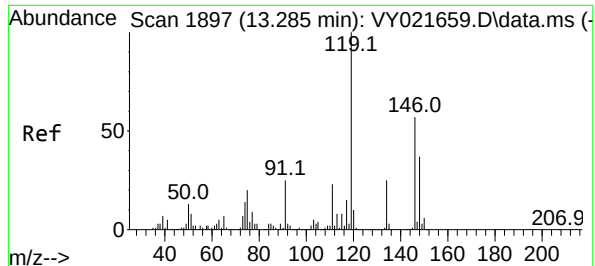
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#86
p-Isopropyltoluene
Concen: 4.595 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

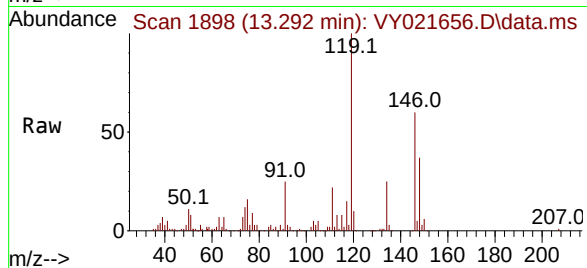
Tgt Ion:119 Resp: 43714
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 25.2 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

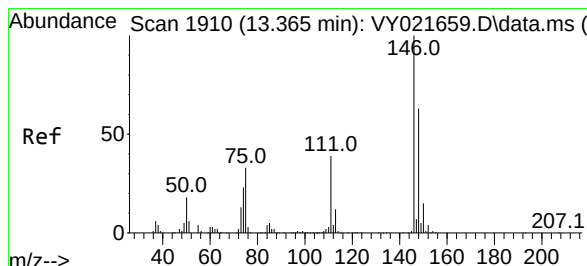
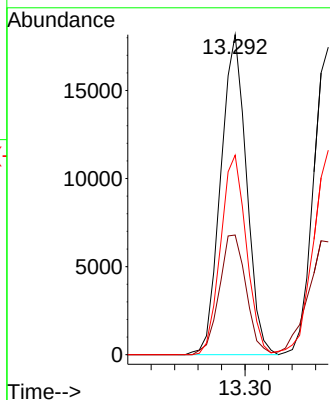
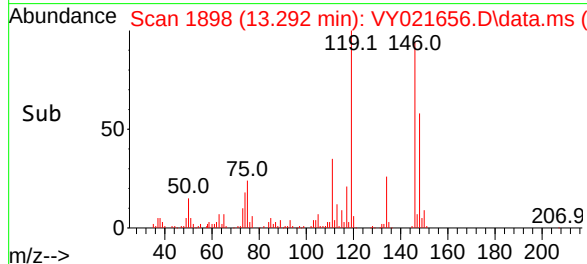
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



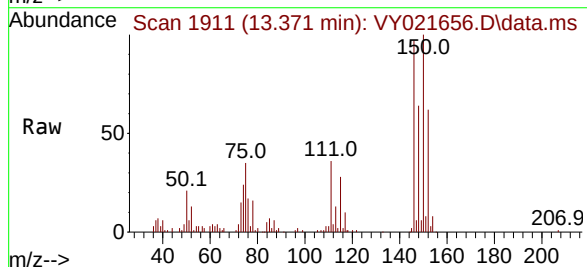
Tgt Ion:146 Resp: 27604
Ion Ratio Lower Upper
146 100
111 39.1 20.0 60.0
148 62.4 31.8 95.4

Manual Integrations
APPROVED

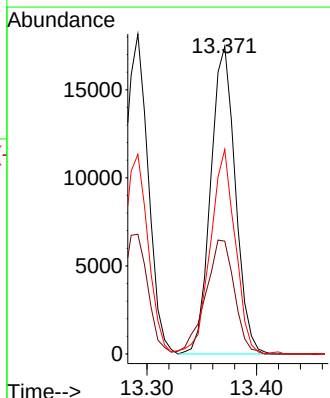
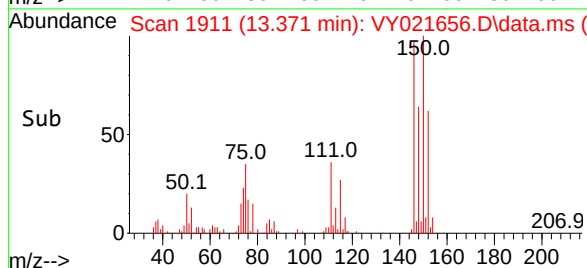
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

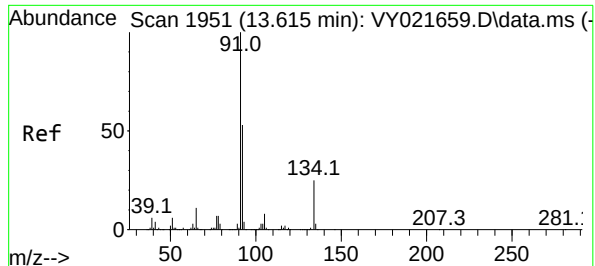


#88
1,4-Dichlorobenzene
Concen: 5.405 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



Tgt Ion:146 Resp: 27332
Ion Ratio Lower Upper
146 100
111 43.4 19.1 57.1
148 66.9 31.5 94.5





#89

n-Butylbenzene

Concen: 4.785 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

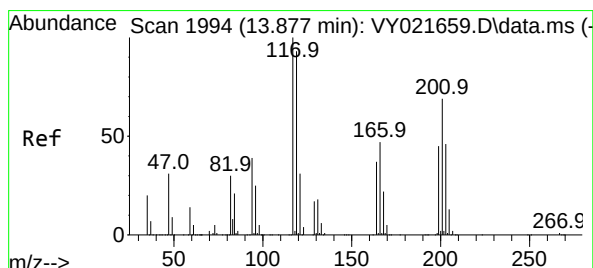
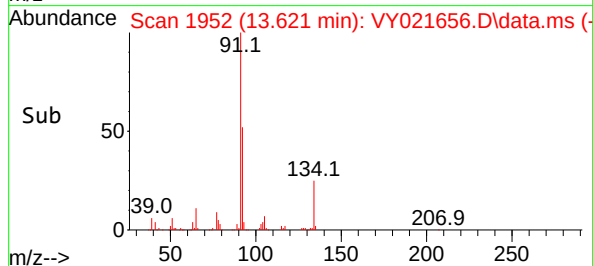
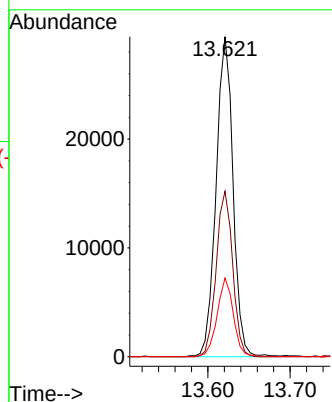
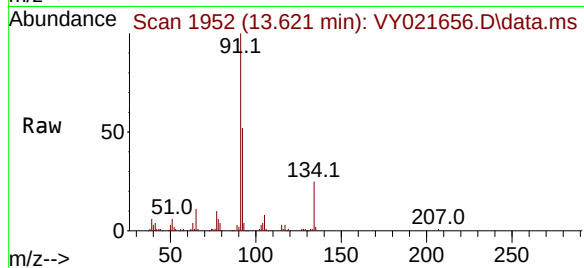
VSTDIC005

Tgt Ion: 91	Resp: 4210
Ion Ratio	Lower Upper
91 100	
92 50.2	26.4 79.2
134 23.5	12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 5.573 ug/l

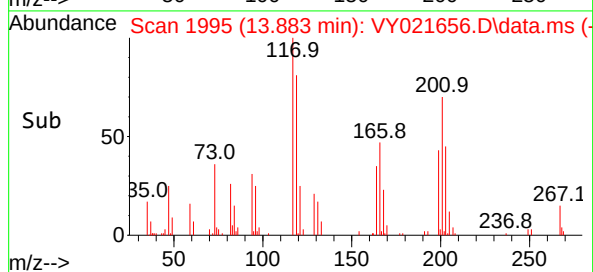
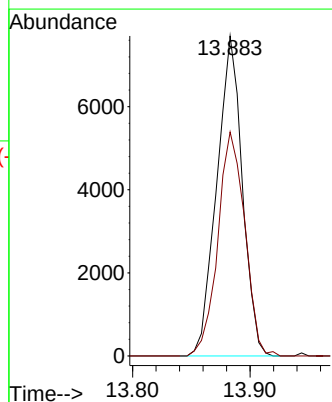
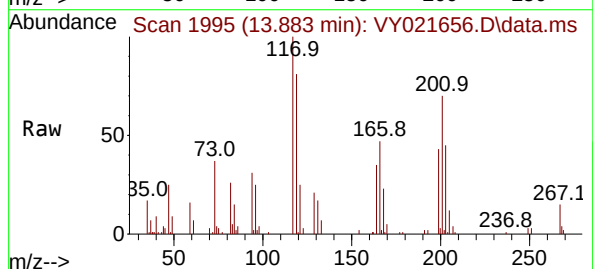
RT: 13.883 min Scan# 1995

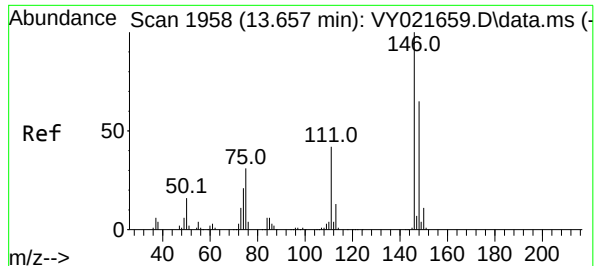
Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:117	Resp: 11619
Ion Ratio	Lower Upper
117 100	
201 73.9	37.4 112.1





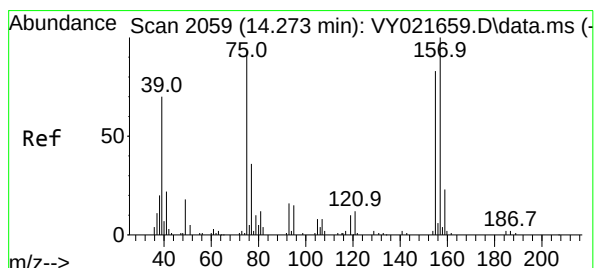
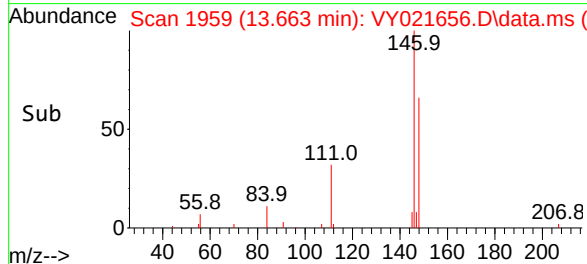
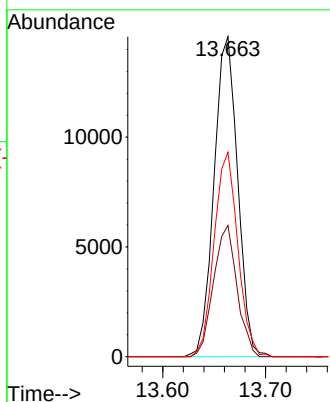
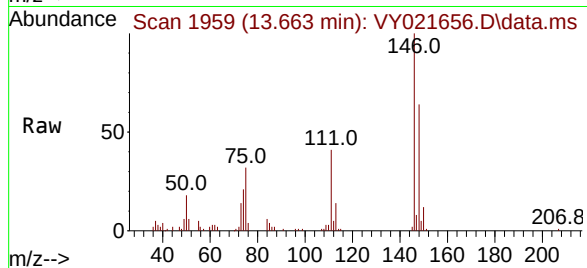
#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:	146	Resp:	2327
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.7	62.1
148	64.1	32.3	96.9

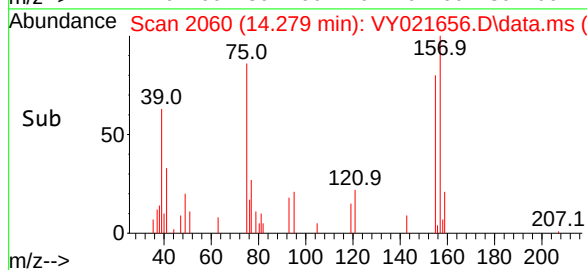
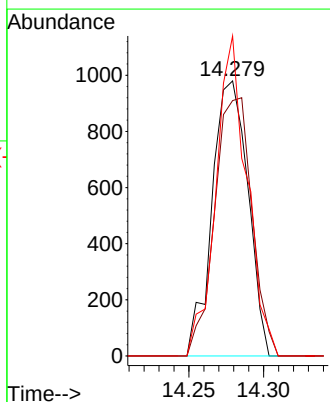
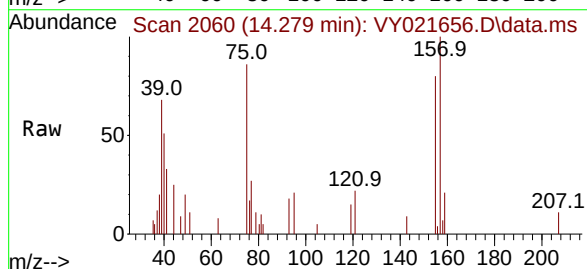
Manual Integrations
APPROVED

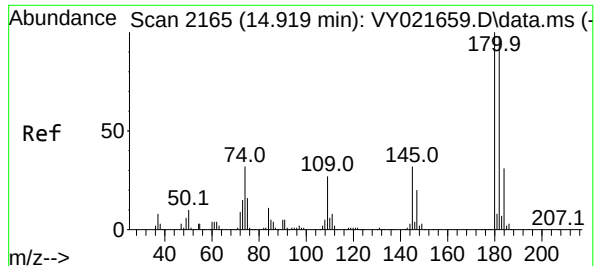
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.419 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:	75	Resp:	1634
Ion Ratio	Lower	Upper	
75	100		
155	97.6	43.0	128.8
157	100.8	54.0	162.0





#93

1,2,4-Trichlorobenzene

Concen: 4.647 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

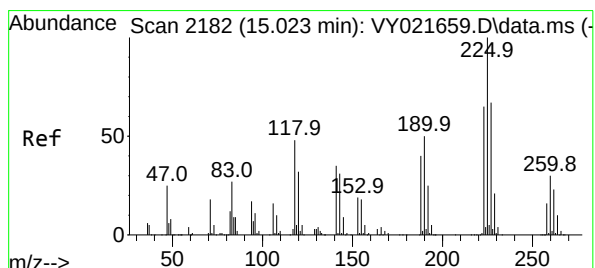
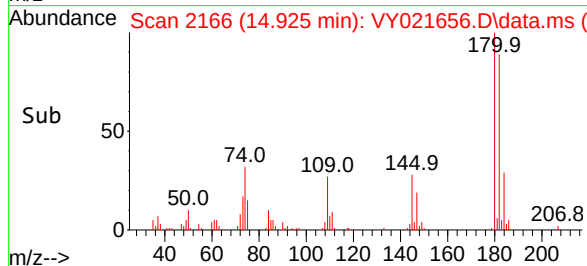
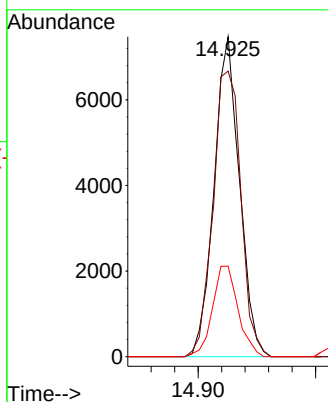
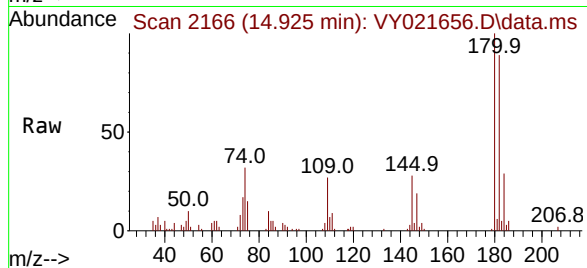
VSTDIC005

Tgt Ion:	180	Resp:	11228
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.5	142.6
145	28.5	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

Concen: 5.484 ug/l

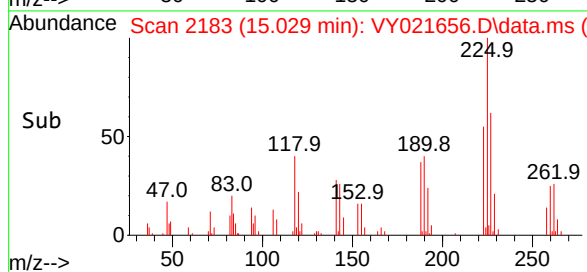
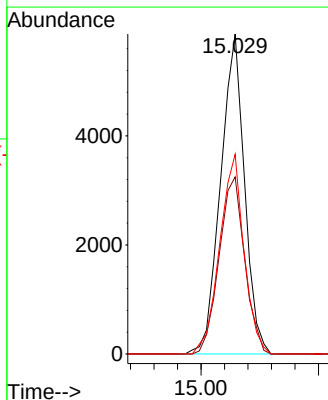
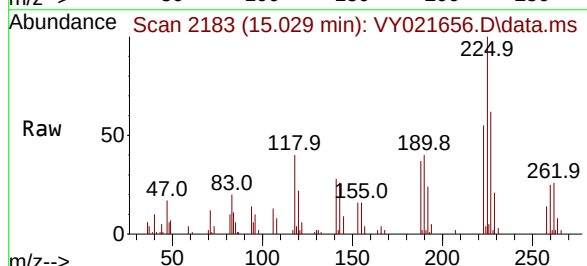
RT: 15.029 min Scan# 2183

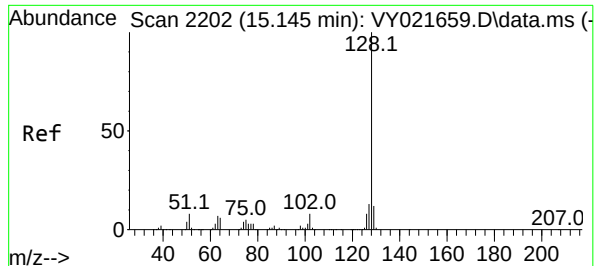
Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	225	Resp:	8276
Ion Ratio	Lower	Upper	
225	100		
223	59.2	31.9	95.7
227	63.5	32.4	97.0





#95

Naphthalene

Concen: 4.194 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

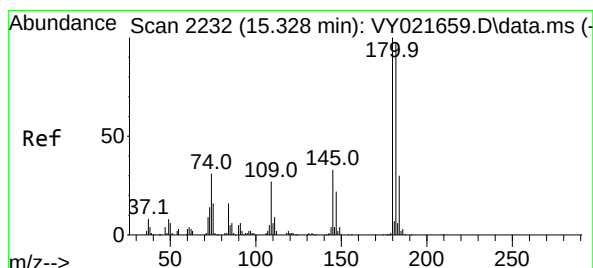
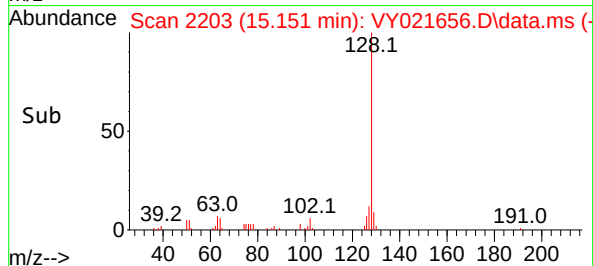
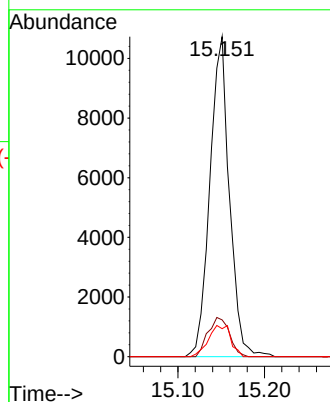
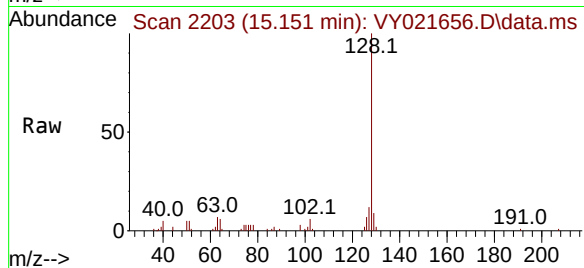
VSTDIC005

Tgt Ion:	128	Resp:	16790
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.619 ug/l

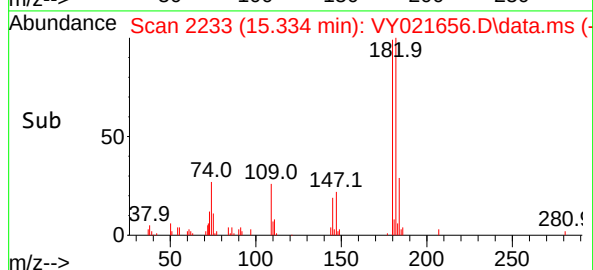
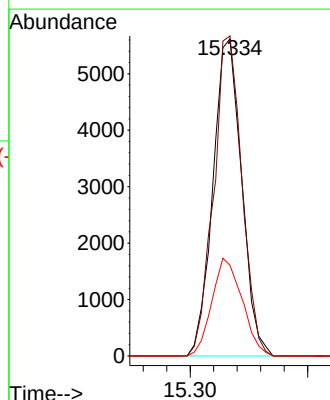
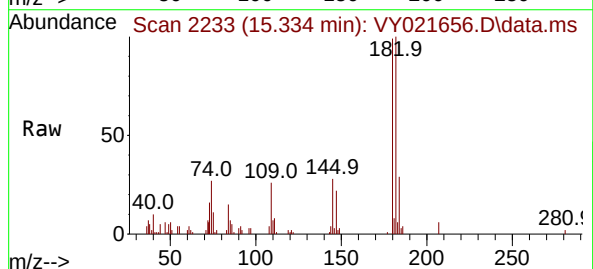
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	180	Resp:	9518
Ion Ratio	Lower	Upper	
180	100		
182	99.4	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#		
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#		
50) Toluene-d8	10.103	98	88000	10.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#		
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l	99
3) Chloromethane	2.068	50	34949	10.633	ug/l	99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l	96
5) Bromomethane	2.592	94	27670	10.914	ug/l	97
6) Chloroethane	2.733	64	25703	10.567	ug/l	98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l	100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l	98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l	99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l	88
13) Acrolein	3.653	56	15799	54.518	ug/l	100
14) Allyl chloride	4.379	41	39045	10.352	ug/l	97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l	98
16) Acetone	3.867	43	27669	55.329	ug/l	99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l #	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l	98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l	96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l	93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l	98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l	98
25) 2-Butanone	6.890	43	37356	52.299	ug/l	97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l	100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l	99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l	97
30) Chloroform	7.421	83	51464	10.459	ug/l	98
31) Cyclohexane	7.701	56	46569	10.798	ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l	98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l	99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l	98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l	98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l	98
40) Benzene	8.079	78	108360	10.322	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635	ug/l	
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l	100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l #	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l	99
46) Dibromomethane	9.231	93	15605	10.896	ug/l	94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l	99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l	98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l	98
52) Toluene	10.170	92	66889	10.212	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l	95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l	96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l	98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l	100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l	94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l	97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l	93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l	97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l	98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l	99
69) o-Xylene	11.957	106	41768	9.643	ug/l	98
70) Styrene	11.969	104	69196	9.581	ug/l	99
71) Bromoform	12.127	173	14887	10.294	ug/l #	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l	100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300	ug/l	
77) Bromobenzene	12.530	156	27648	10.199	ug/l	98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l	99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l	100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l	100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l	99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l	95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l	98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l	99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l	99
95) Naphthalene	15.145	128	36711	8.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client SampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025

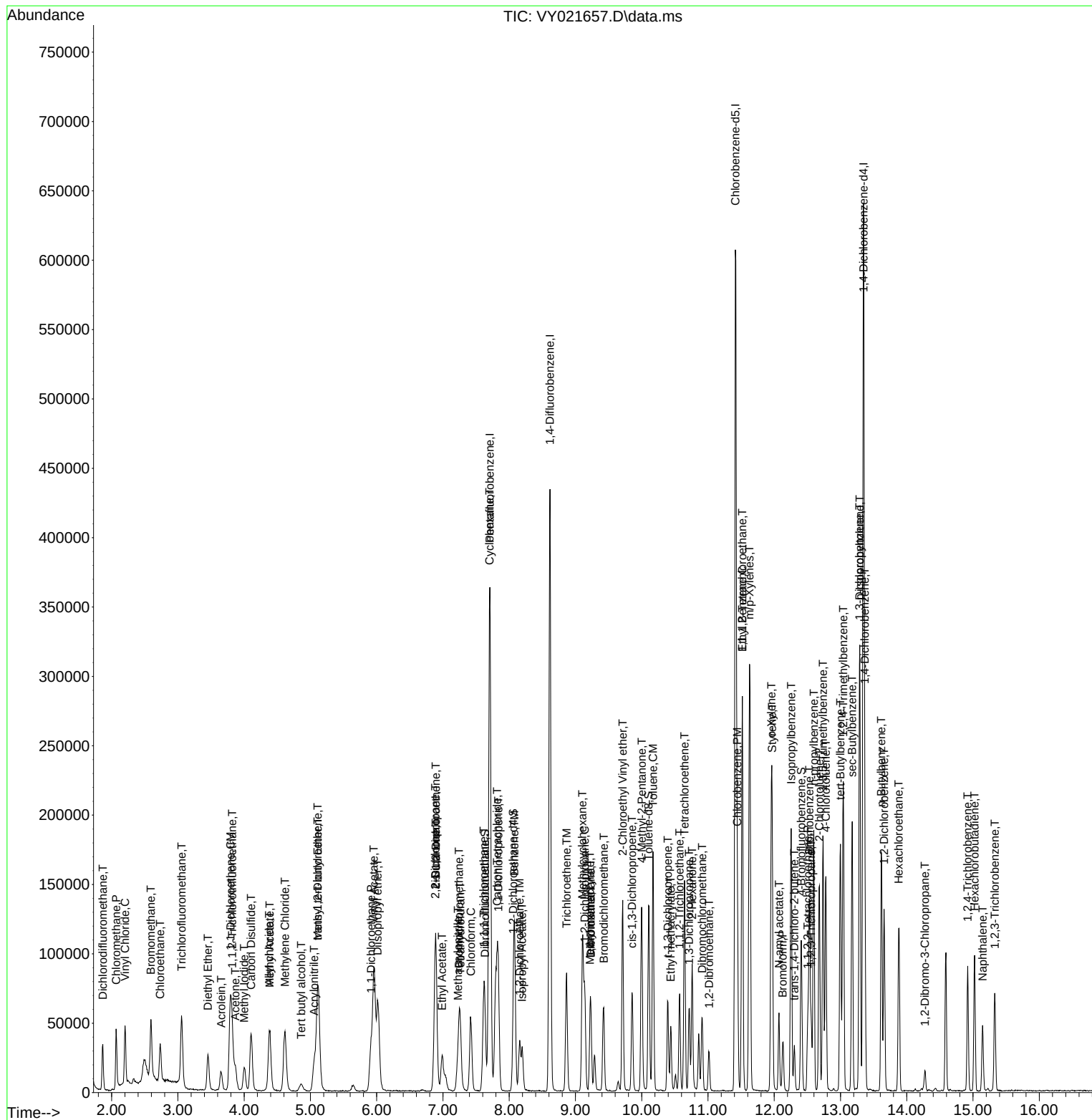
Quant Time: Mar 28 02:14:35 2025

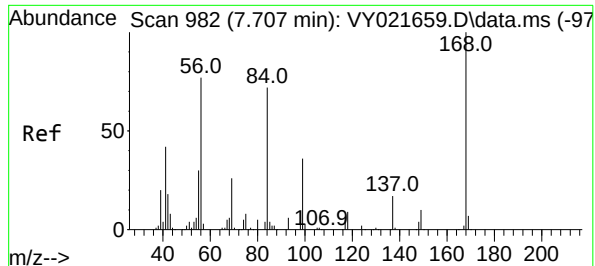
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:08:57 2025

Response via : Initial Calibration





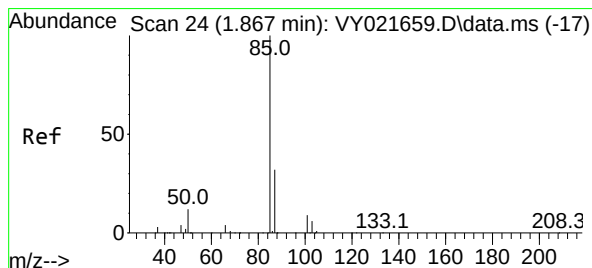
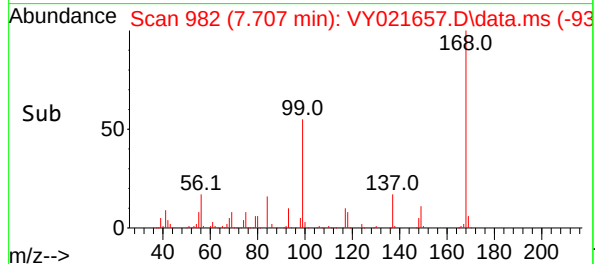
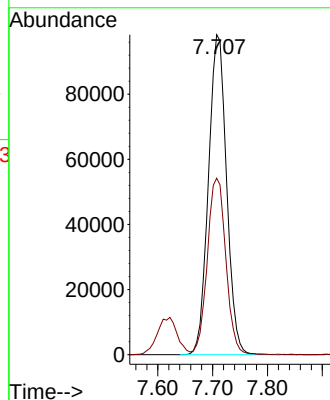
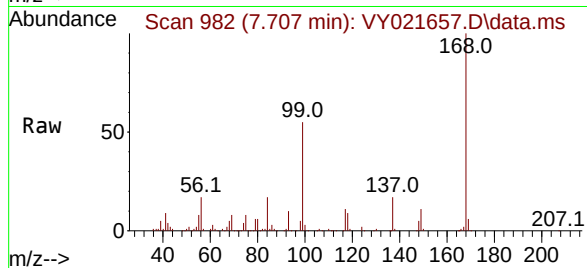
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:168 Resp: 22552
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1

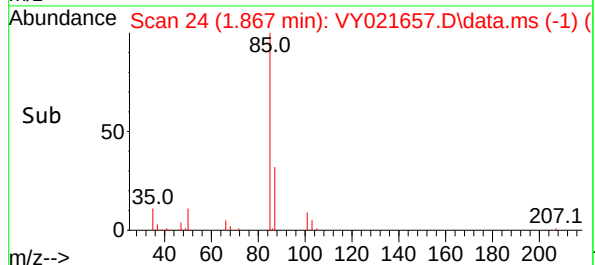
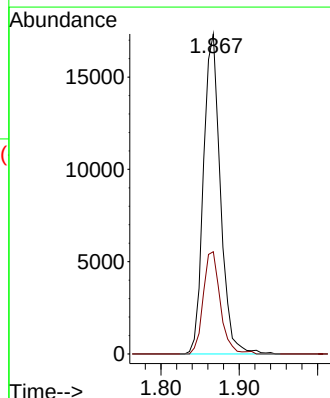
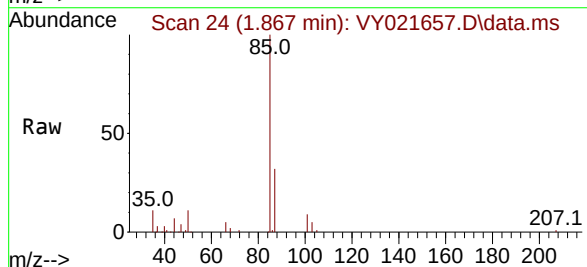
Manual Integrations
APPROVED

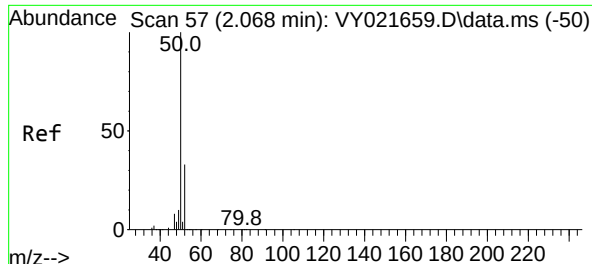
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6





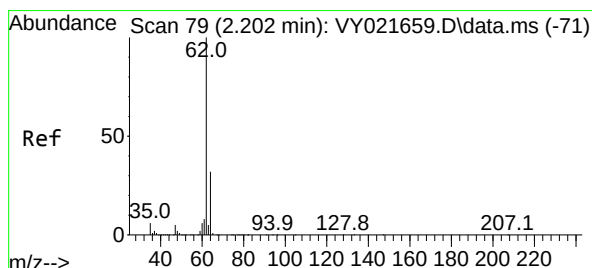
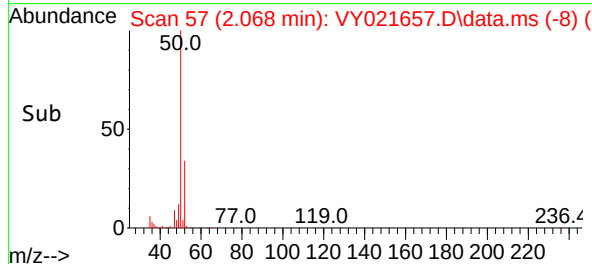
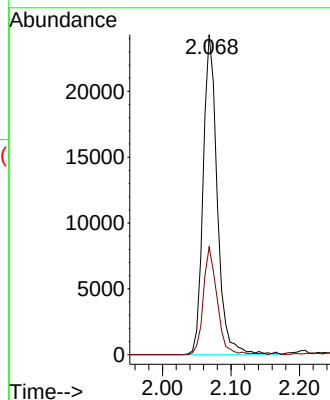
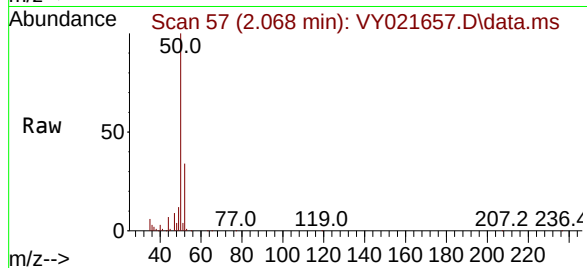
#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 34949
Ion Ratio Lower Upper
50 100
52 33.7 26.3 39.5

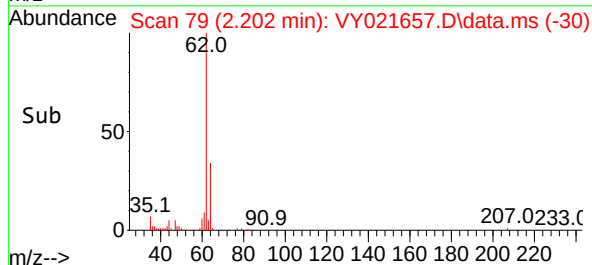
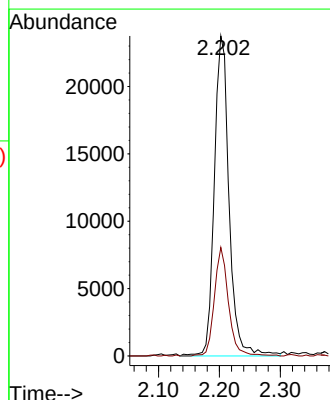
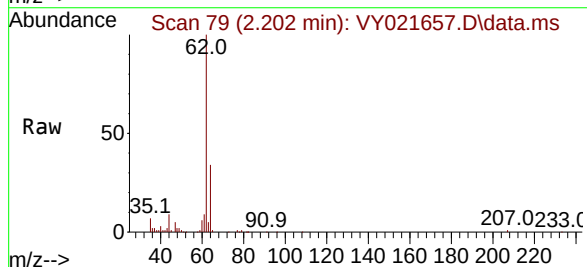
Manual Integrations
APPROVED

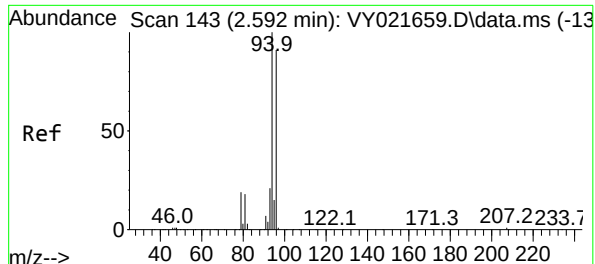
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

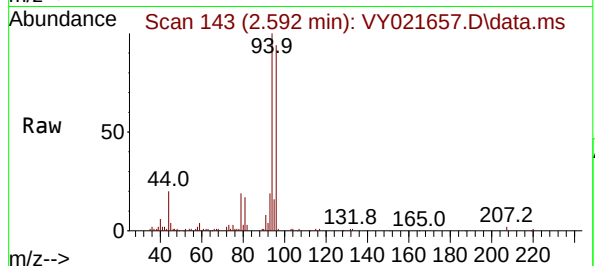
Tgt Ion: 62 Resp: 39982
Ion Ratio Lower Upper
62 100
64 33.9 25.5 38.3





#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

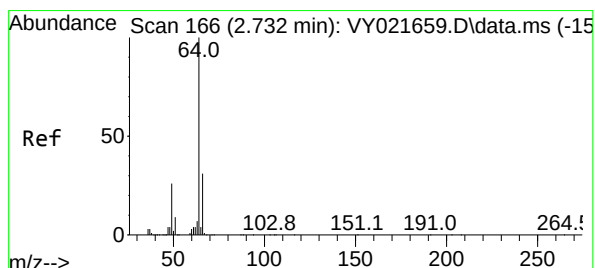
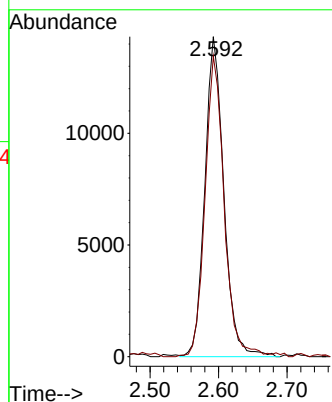
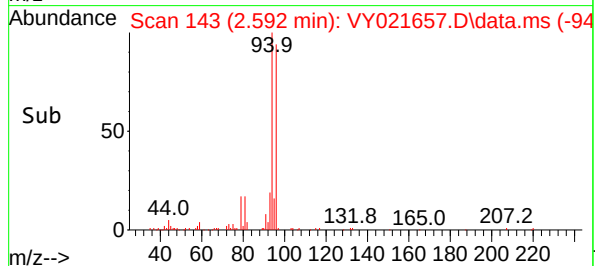
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



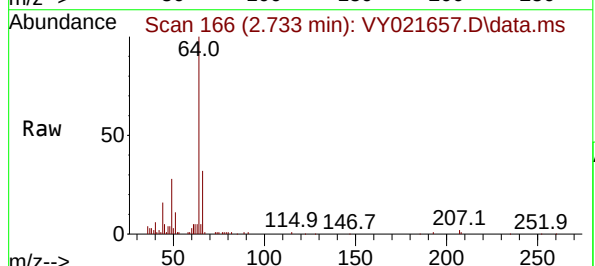
Tgt Ion: 94 Resp: 27670
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2

Manual Integrations
APPROVED

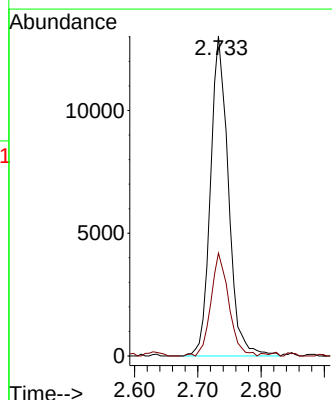
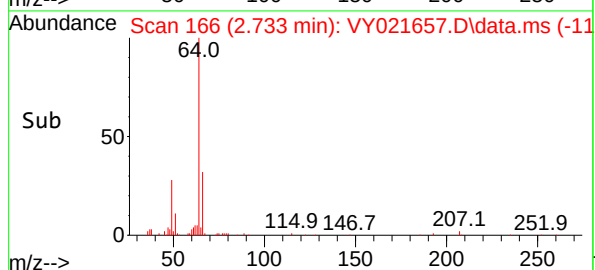
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

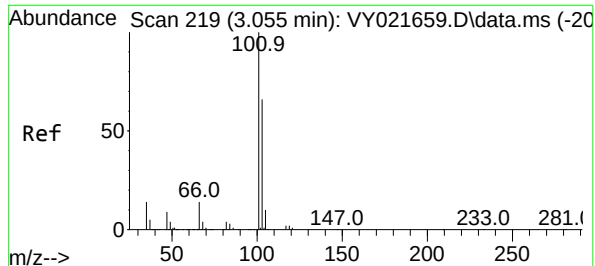


#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



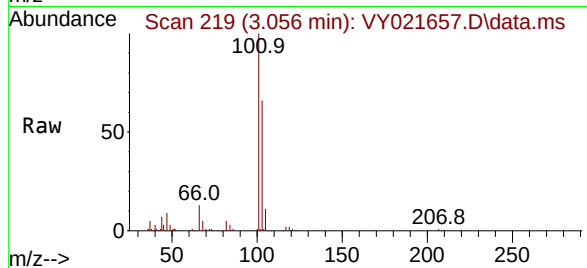
Tgt Ion: 64 Resp: 25703
Ion Ratio Lower Upper
64 100
66 32.1 24.9 37.3





#7
Trichlorofluoromethane
Concen: 10.650 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

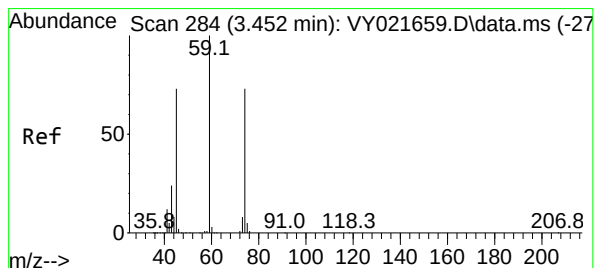
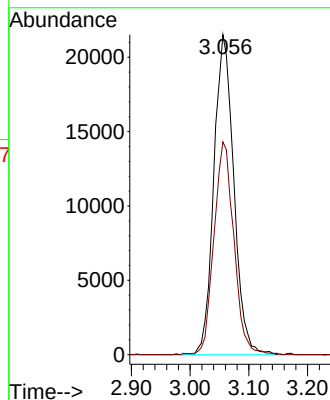
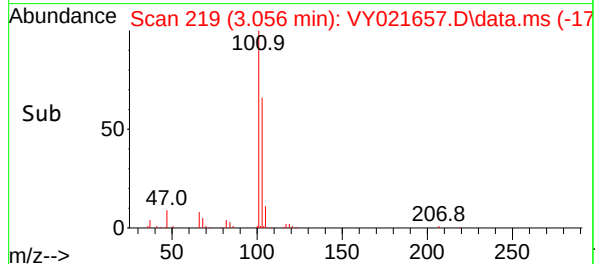
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 5071
Ion Ratio Lower Upper
101 100
103 66.5 53.1 79.7

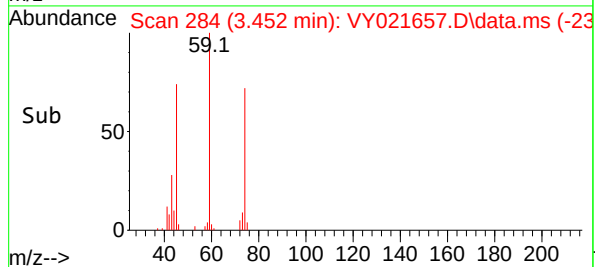
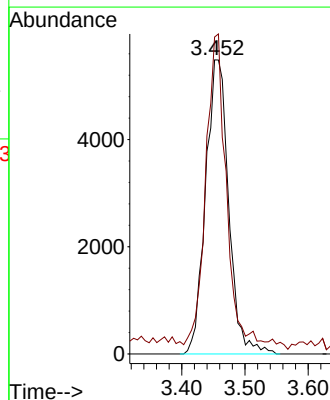
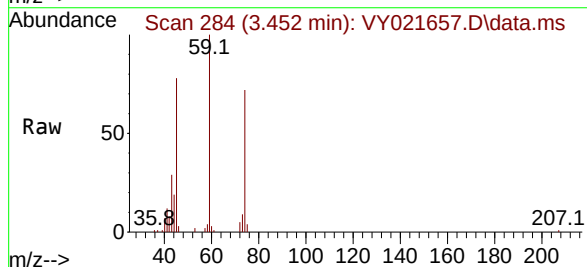
Manual Integrations
APPROVED

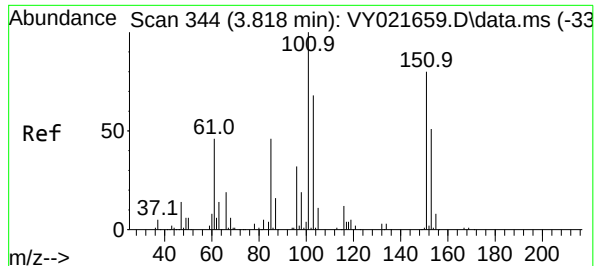
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 10.765 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940
Ion Ratio Lower Upper
74 100
45 92.0 48.6 145.8





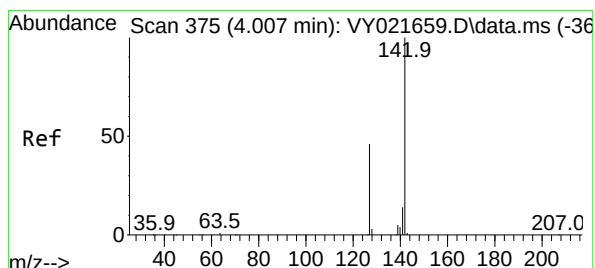
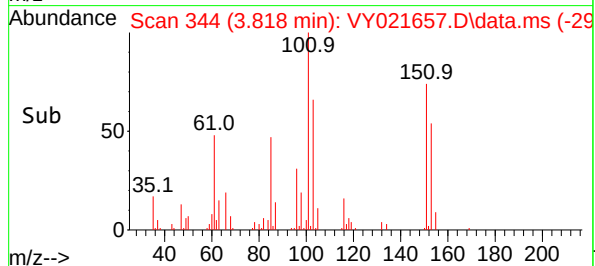
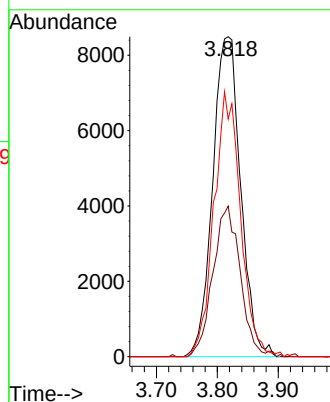
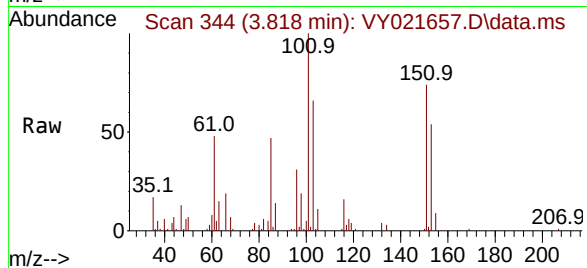
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 27088
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 79.0 61.3 91.9

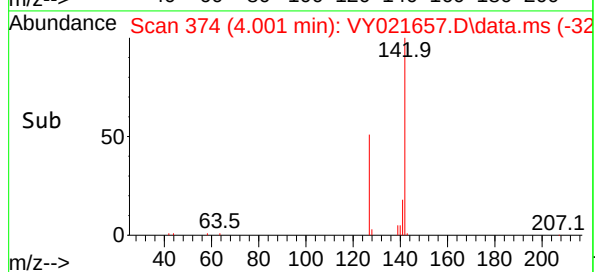
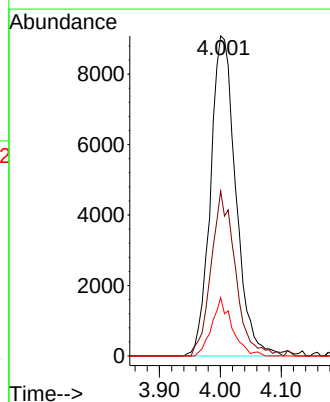
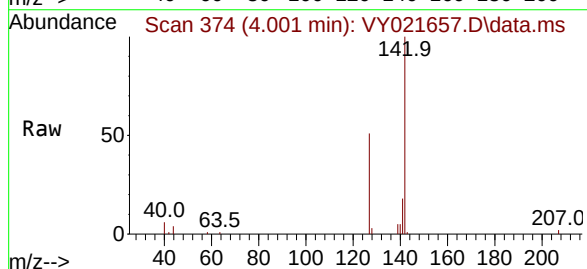
Manual Integrations
APPROVED

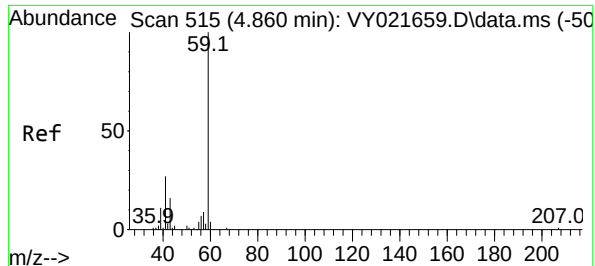
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

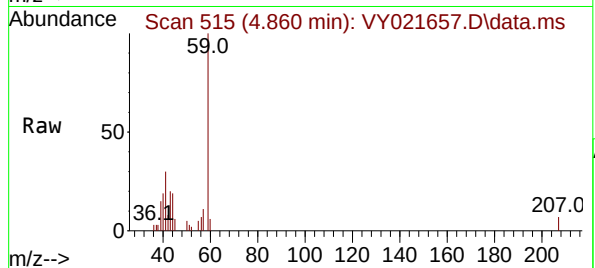
Tgt Ion:142 Resp: 26193
Ion Ratio Lower Upper
142 100
127 49.4 38.7 58.1
141 14.6 11.5 17.3





#11
Tert butyl alcohol
Concen: 54.634 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

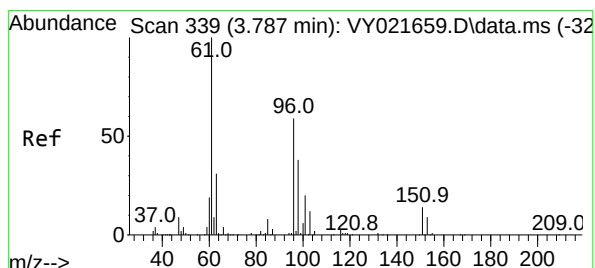
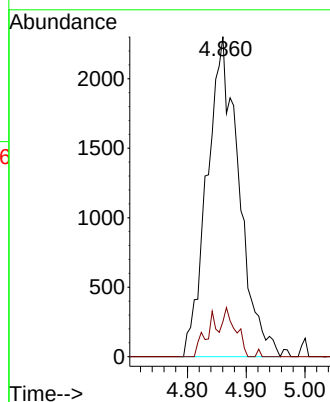
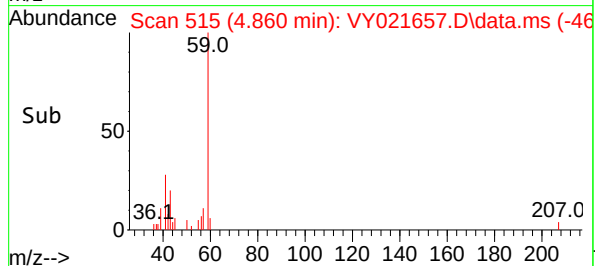
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 6.3 9.2 13.8

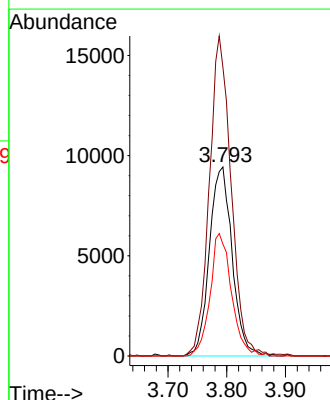
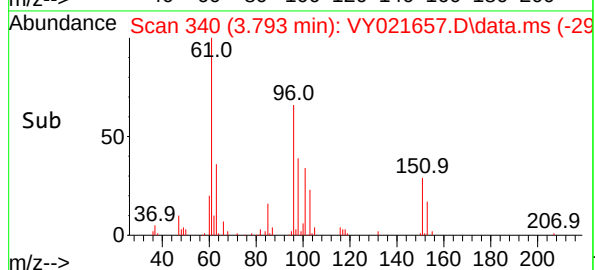
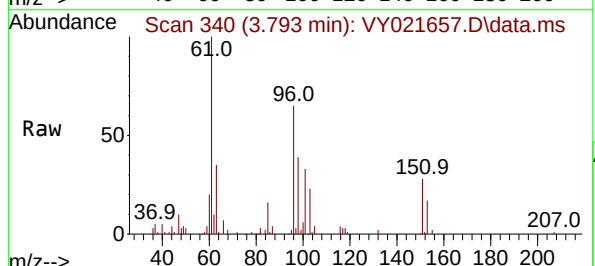
Manual Integrations
APPROVED

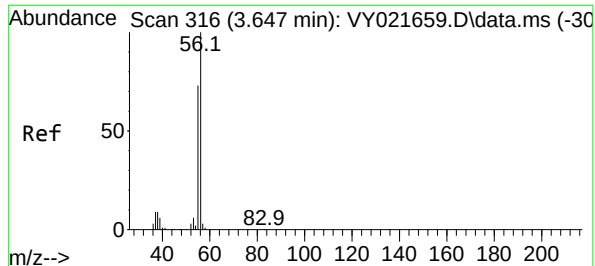
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#12
1,1-Dichloroethene
Concen: 10.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 25446
Ion Ratio Lower Upper
96 100
61 152.8 136.6 204.8
98 59.2 52.3 78.5





#13

Acrolein

Concen: 54.518 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 15799

Ion Ratio Lower Upper

56 100

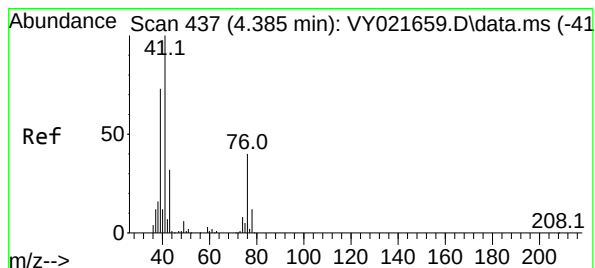
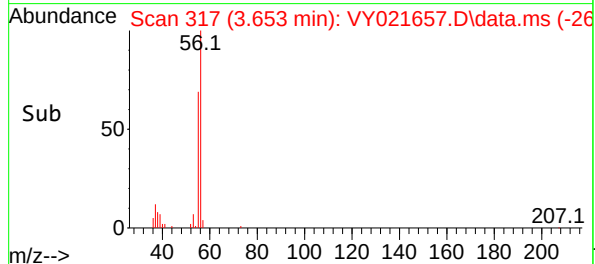
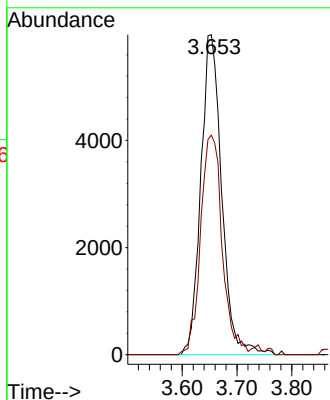
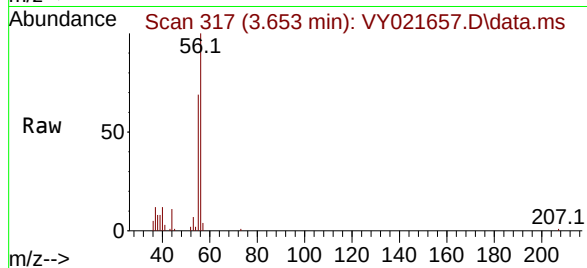
55 71.0 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 10.352 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

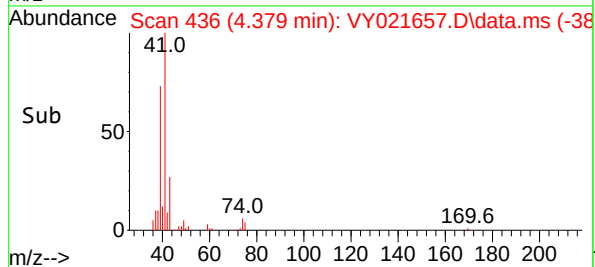
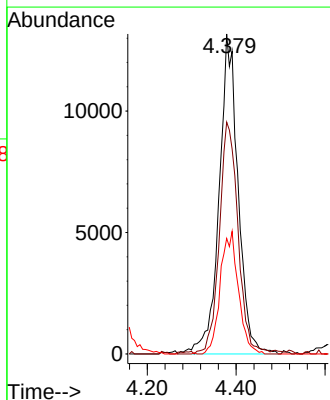
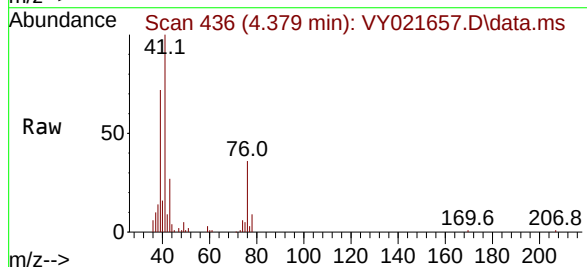
Tgt Ion: 41 Resp: 39045

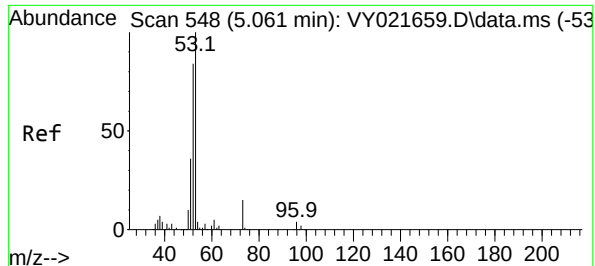
Ion Ratio Lower Upper

41 100

39 71.1 58.6 88.0

76 36.4 30.3 45.5





#15

Acrylonitrile

Concen: 53.389 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 53 Resp: 2886

Ion Ratio Lower Upper

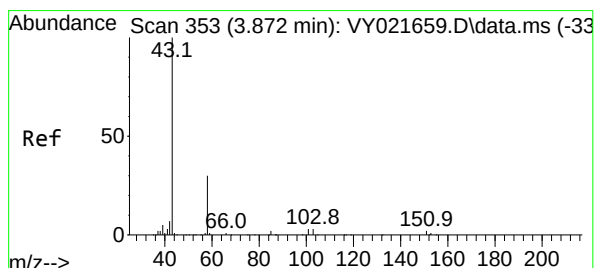
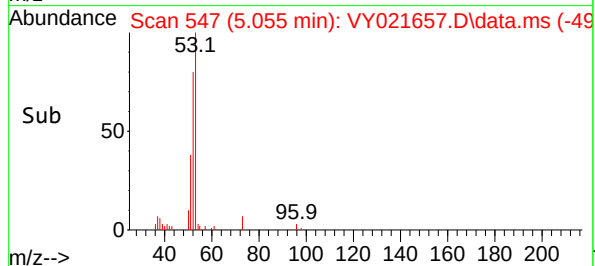
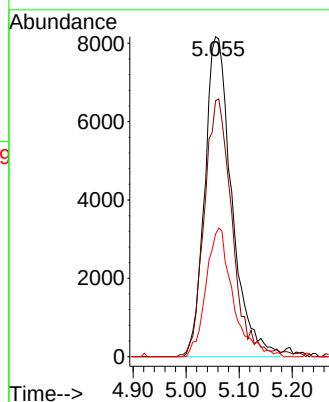
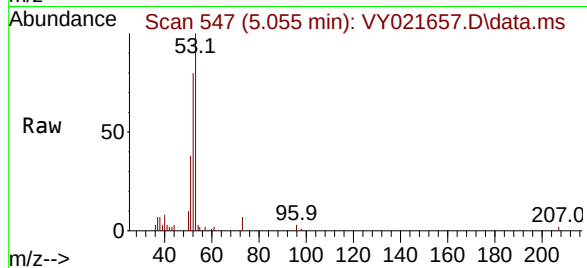
53 100

52 81.9 64.9 97.3

51 40.1 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#16

Acetone

Concen: 55.329 ug/l

RT: 3.867 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021657.D

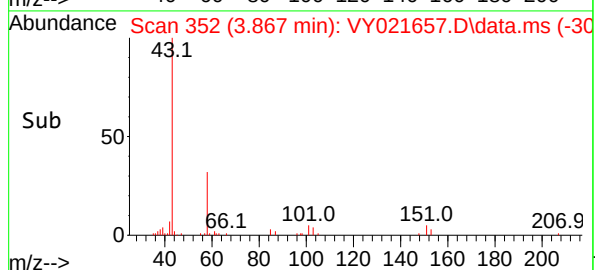
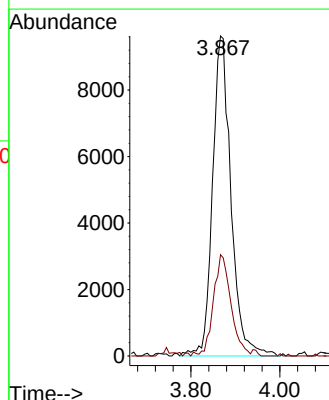
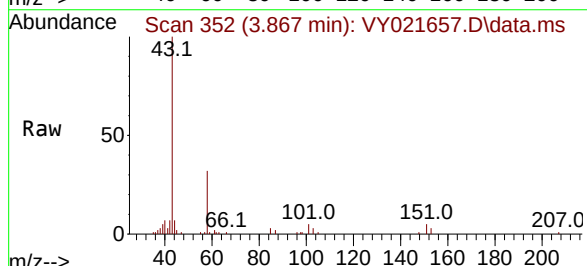
Acq: 27 Mar 2025 10:31

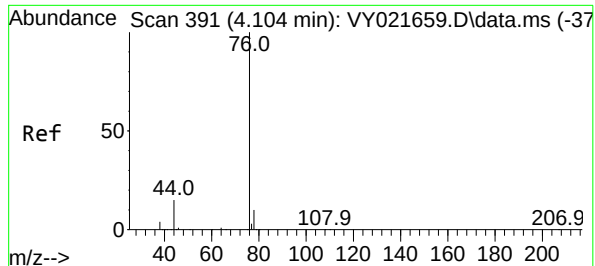
Tgt Ion: 43 Resp: 27669

Ion Ratio Lower Upper

43 100

58 31.0 24.2 36.4





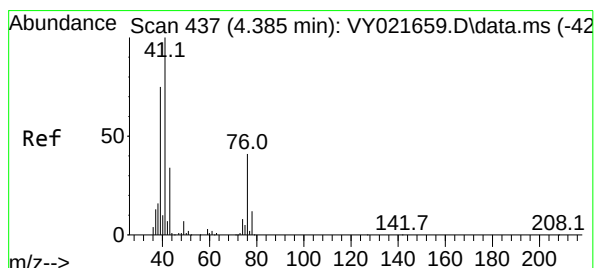
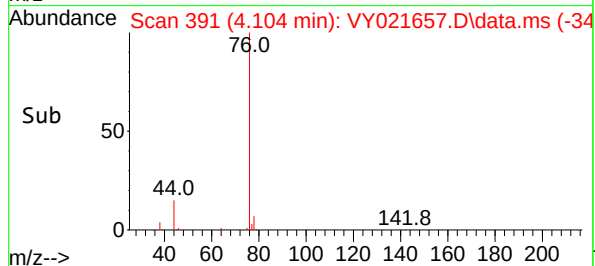
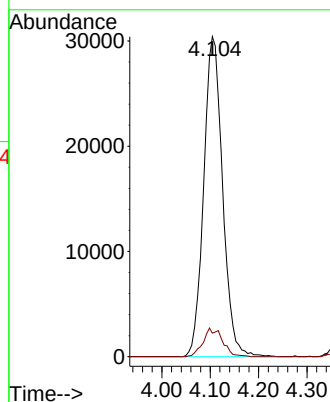
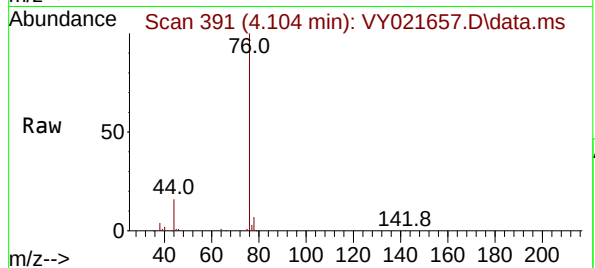
#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 82458
Ion Ratio Lower Upper
76 100
78 7.3 7.6 11.4

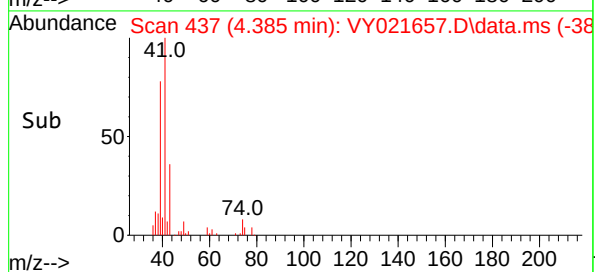
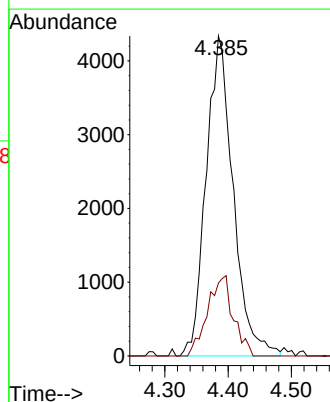
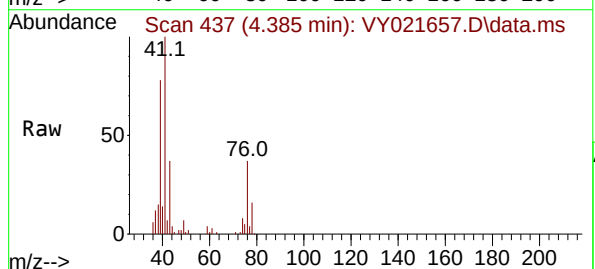
Manual Integrations
APPROVED

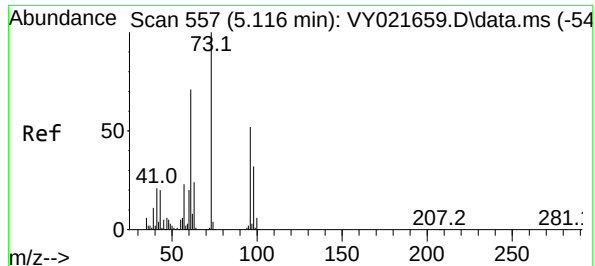
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 10.223 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 6020

Ion Ratio Lower Upper

73 100

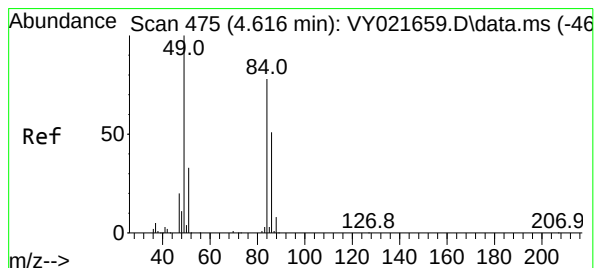
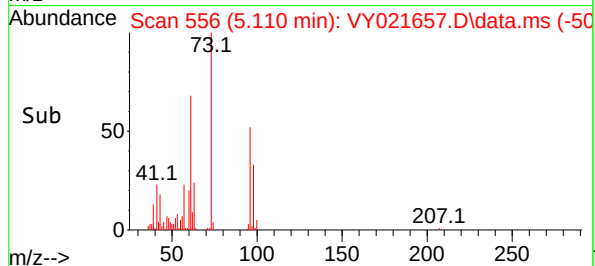
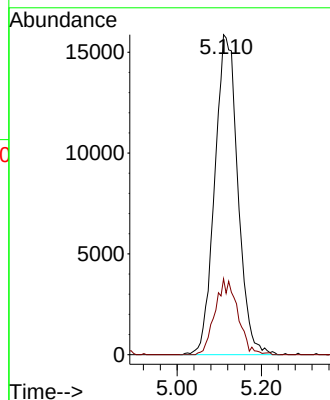
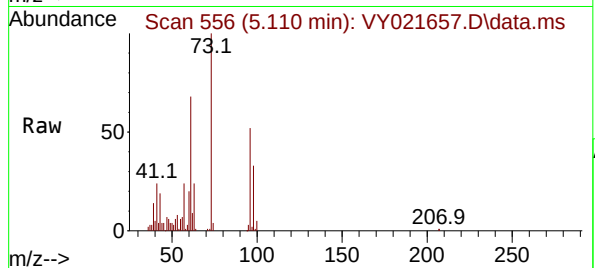
57 23.7 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 9.677 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

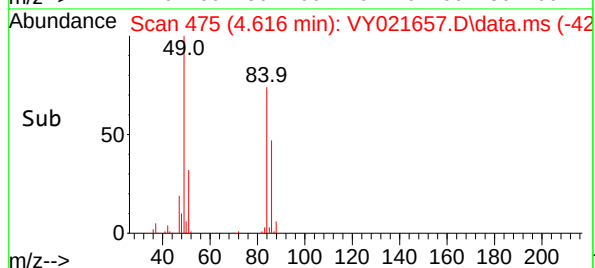
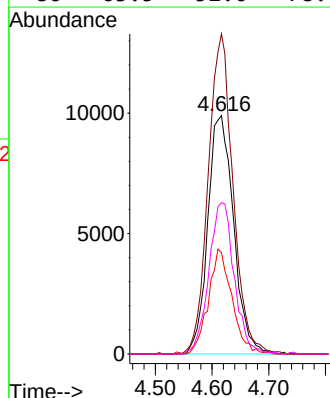
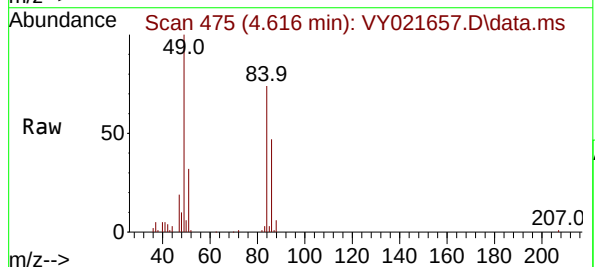
Ion Ratio Lower Upper

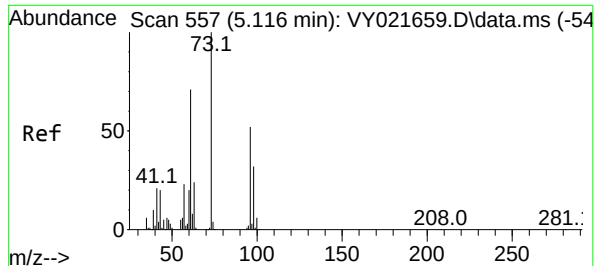
84 100

49 134.3 102.8 154.2

51 42.5 33.5 50.3

86 63.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 10.523 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021657.D

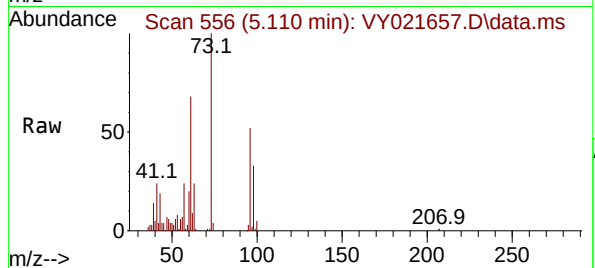
Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010



Tgt Ion: 96 Resp: 2740

Ion Ratio Lower Upper

96 100

61 130.5 109.4 164.0

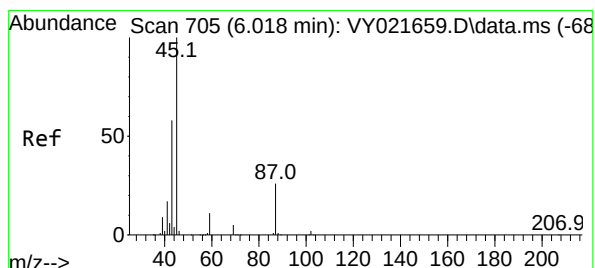
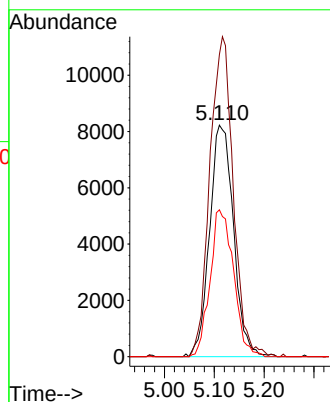
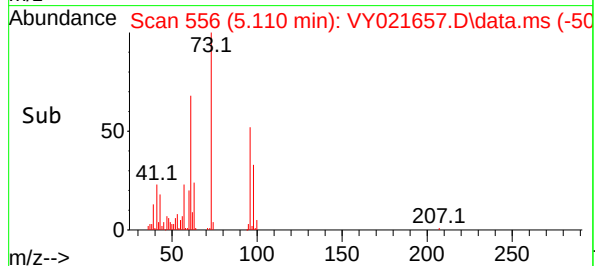
98 63.5 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 10.095 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874

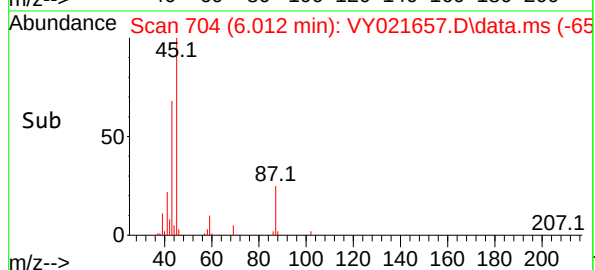
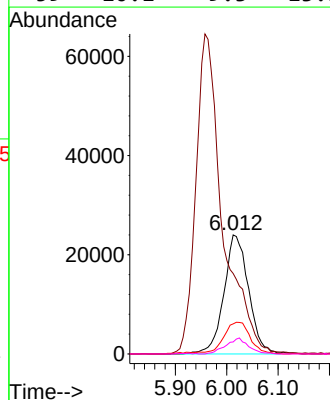
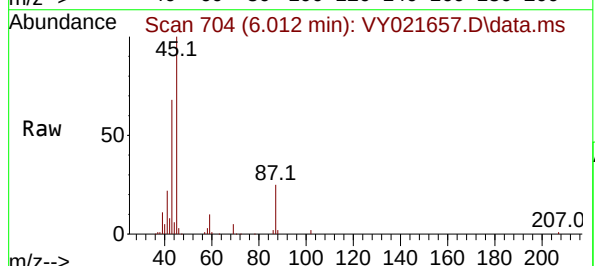
Ion Ratio Lower Upper

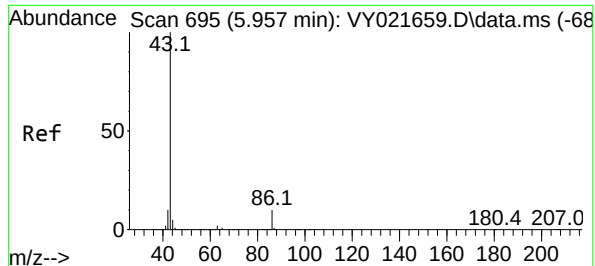
45 100

43 66.0 46.6 69.8

87 24.9 20.7 31.1

59 10.1 9.3 13.9





#23

Vinyl Acetate

Concen: 50.469 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 233590

Ion Ratio Lower Upper

43 100

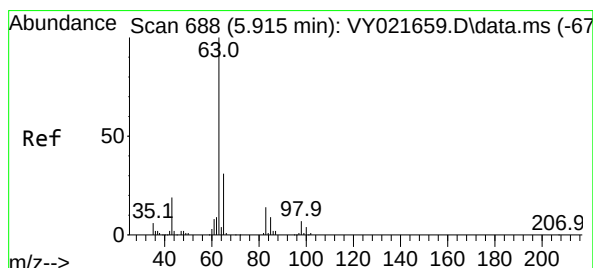
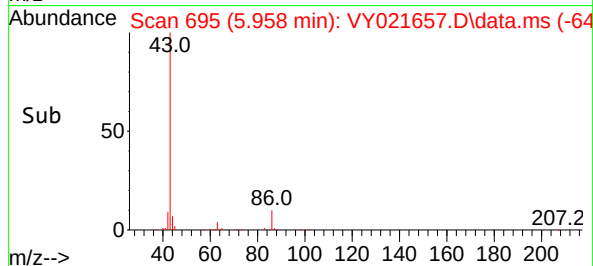
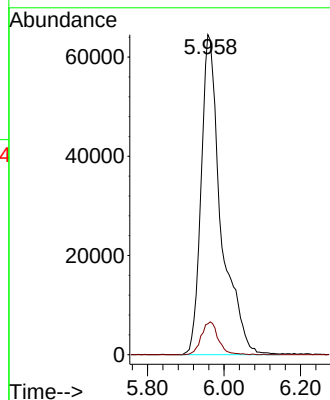
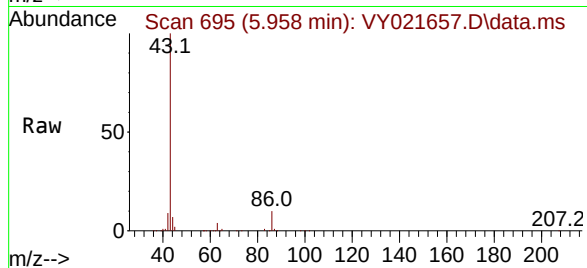
86 9.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 10.403 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

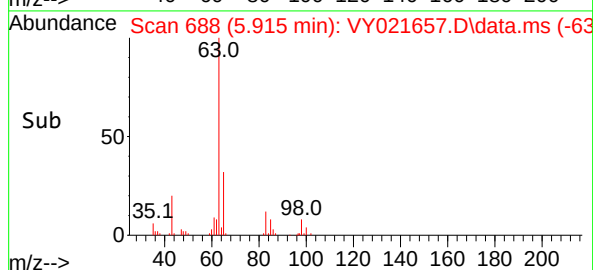
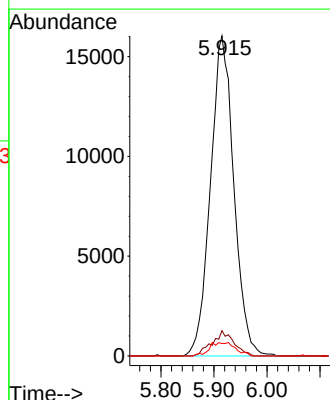
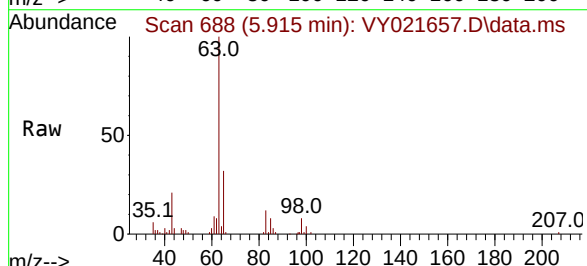
Tgt Ion: 63 Resp: 49217

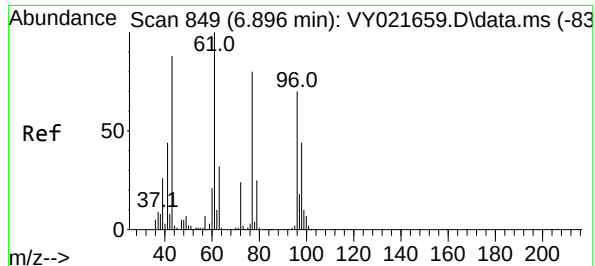
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 3.9 2.2 6.6





#25

2-Butanone

Concen: 52.299 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 37350

Ion Ratio Lower Upper

43 100

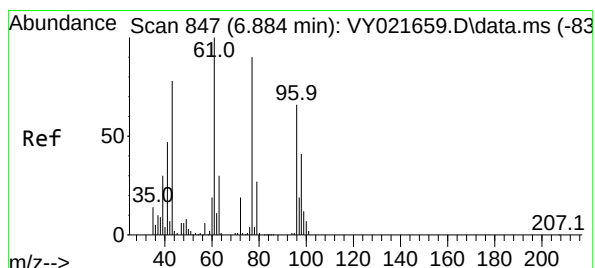
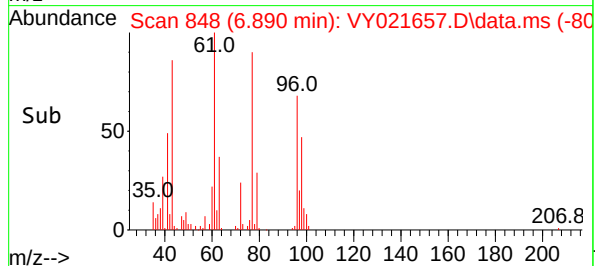
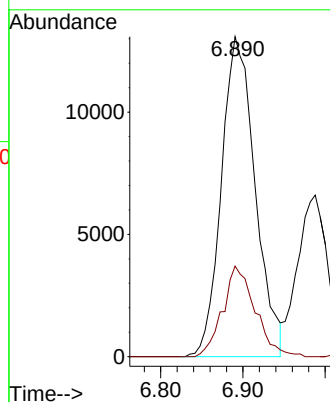
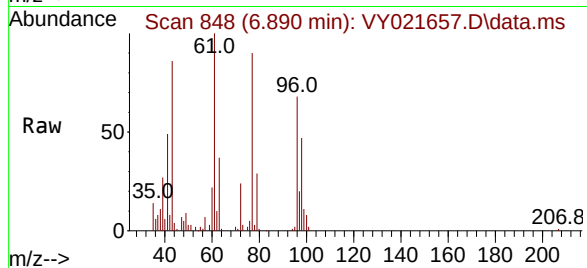
72 28.3 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 10.316 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021657.D

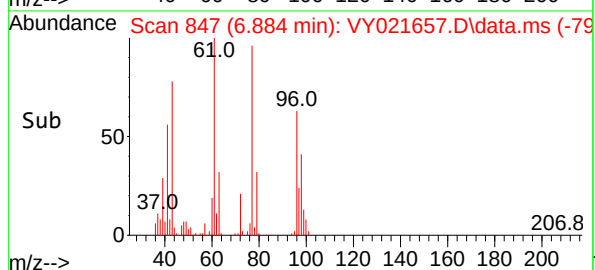
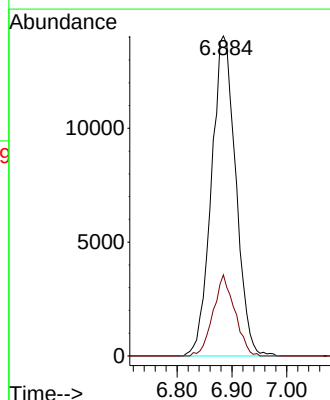
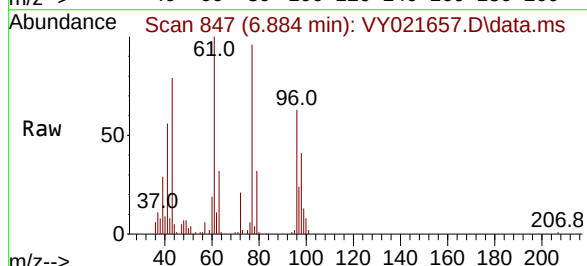
Acq: 27 Mar 2025 10:31

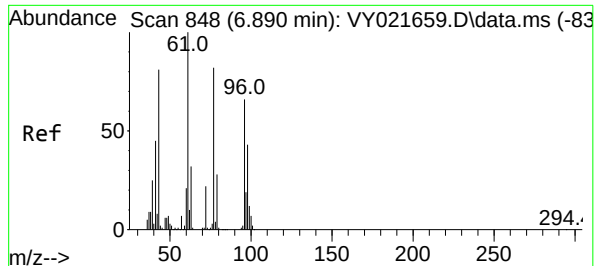
Tgt Ion: 77 Resp: 43412

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 10.140 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021657.D

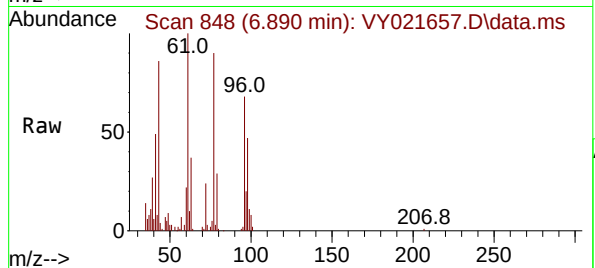
Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

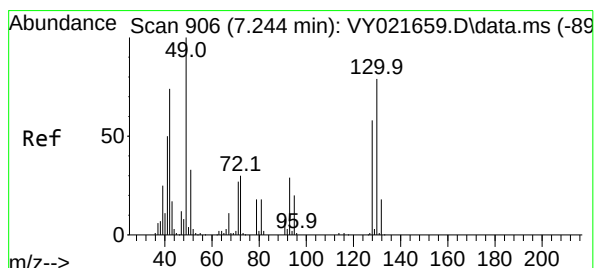
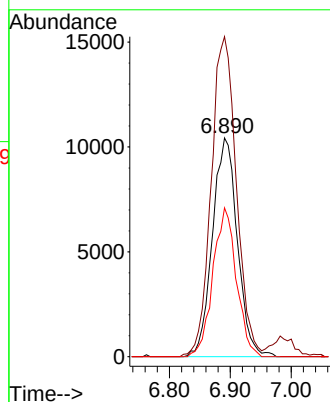
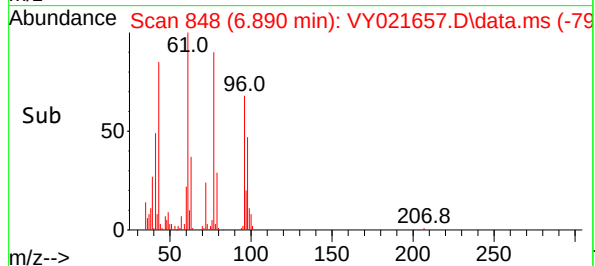


Tgt Ion: 96	Resp: 2969
Ion Ratio	Lower Upper
96	100
61	147.4 0.0 296.4
98	63.9 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

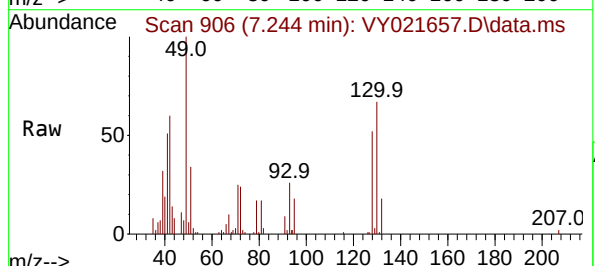
Concen: 10.618 ug/l

RT: 7.244 min Scan# 906

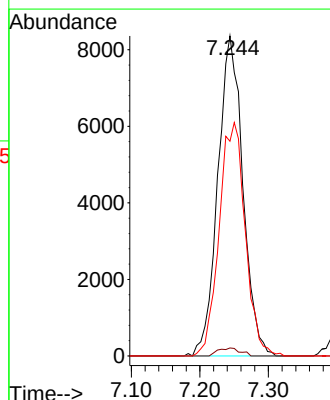
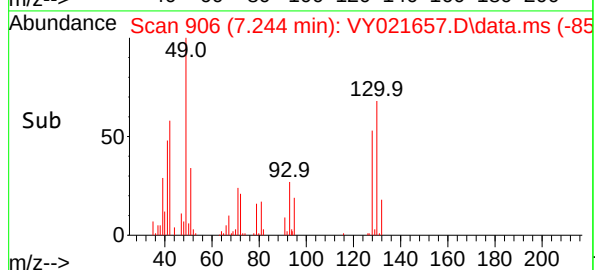
Delta R.T. 0.000 min

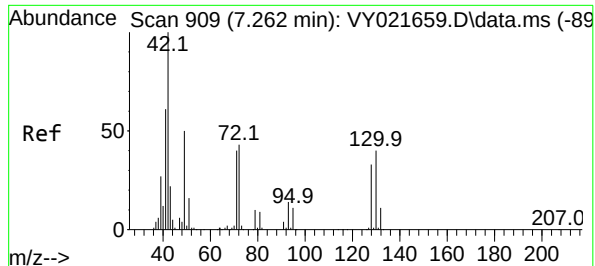
Lab File: VY021657.D

Acq: 27 Mar 2025 10:31



Tgt Ion: 49	Resp: 21186
Ion Ratio	Lower Upper
49	100
129	2.2 0.0 4.4
130	75.9 60.1 90.1





#29

Tetrahydrofuran

Concen: 54.625 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

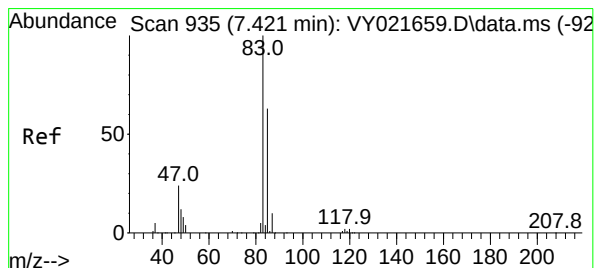
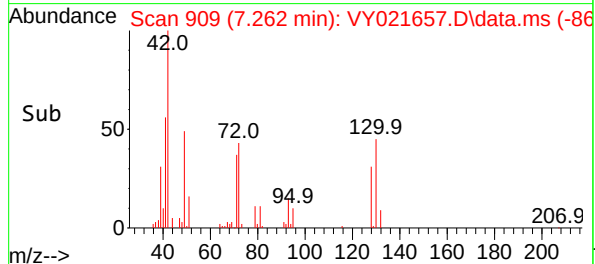
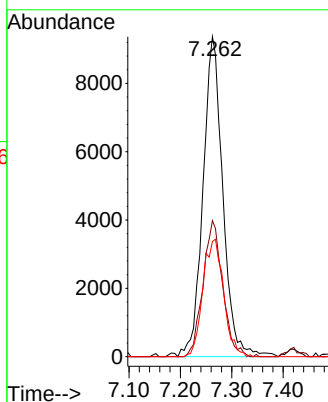
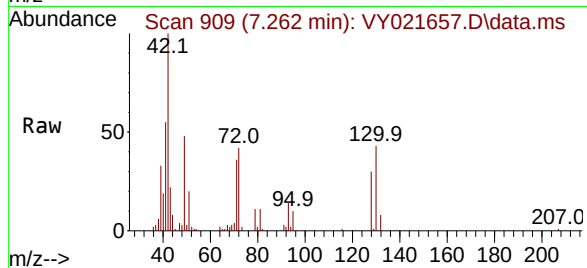
VSTDIC010

Tgt Ion:	42	Resp:	2511
Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.6	52.0
71	38.5	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 10.459 ug/l

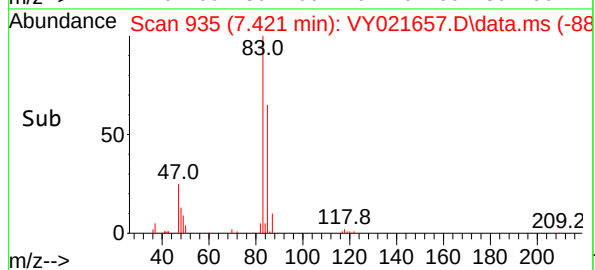
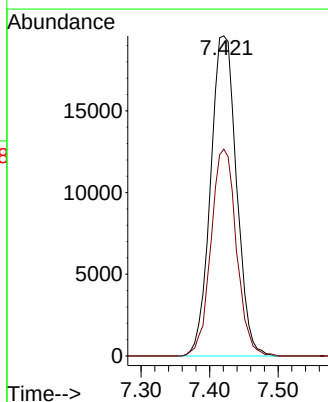
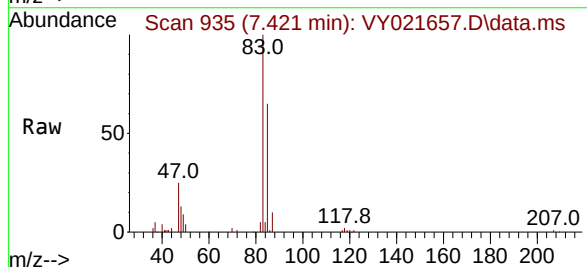
RT: 7.421 min Scan# 935

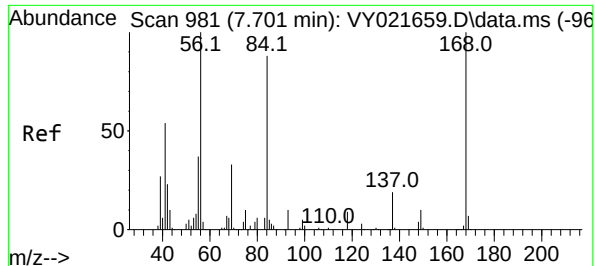
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

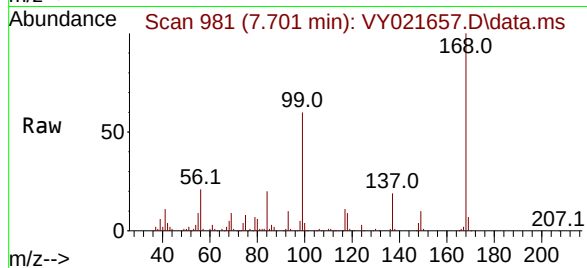
Tgt Ion:	83	Resp:	51464
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31
Cyclohexane
Concen: 10.798 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

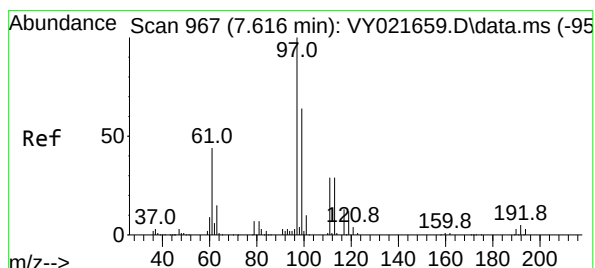
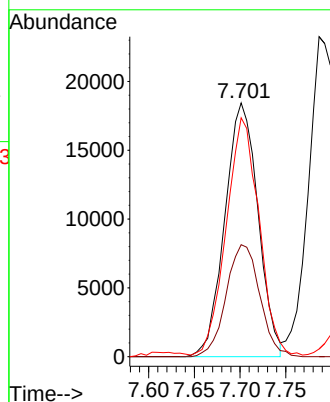
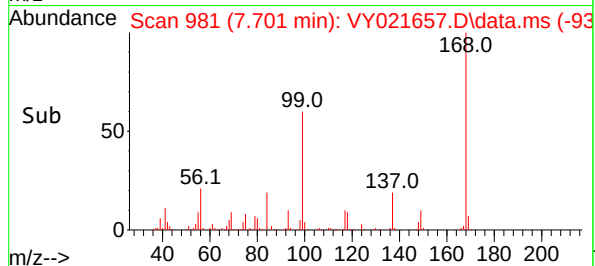
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 56 Resp: 46569
Ion Ratio Lower Upper
56 100
69 44.1 26.6 40.0
84 92.8 69.0 103.4

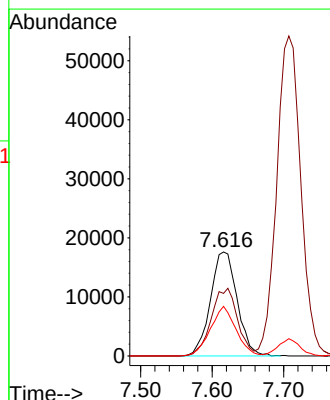
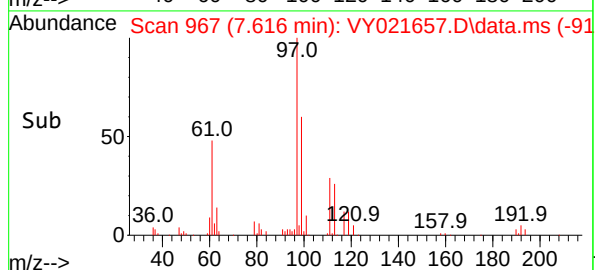
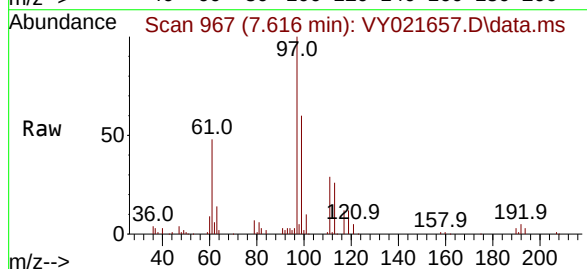
Manual Integrations
APPROVED

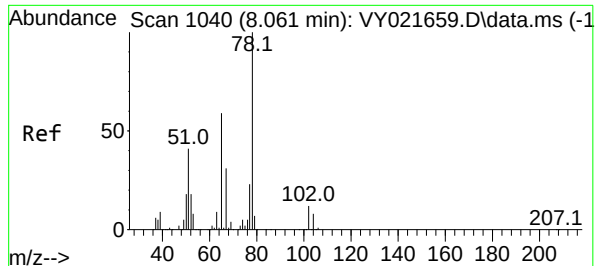
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#32
1,1,1-Trichloroethane
Concen: 10.270 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 45673
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 45.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 10.311 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 2519

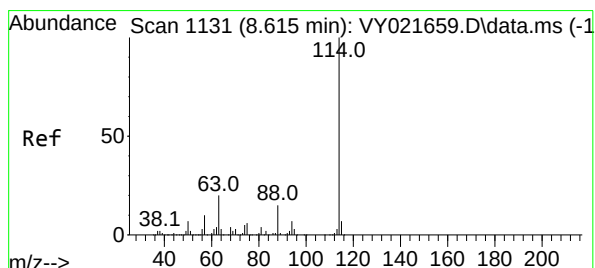
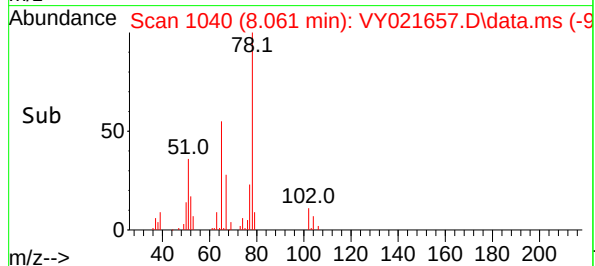
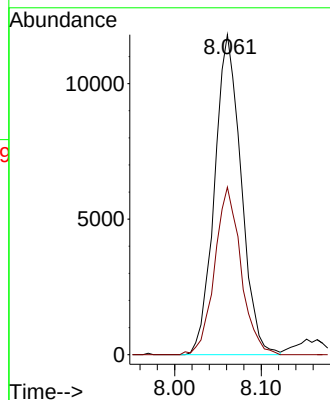
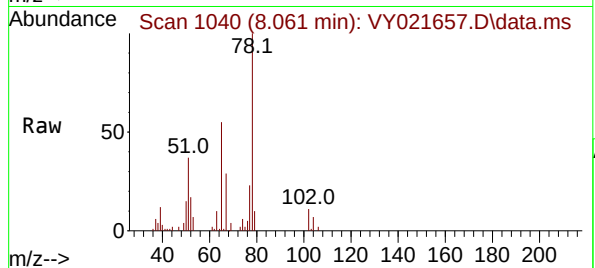
Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

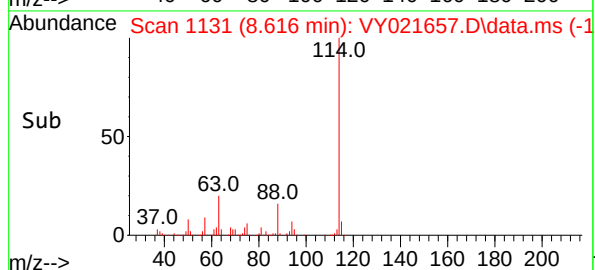
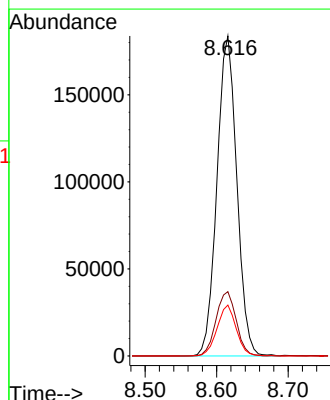
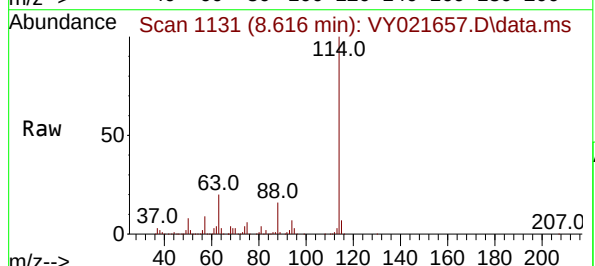
Tgt Ion:114 Resp: 354785

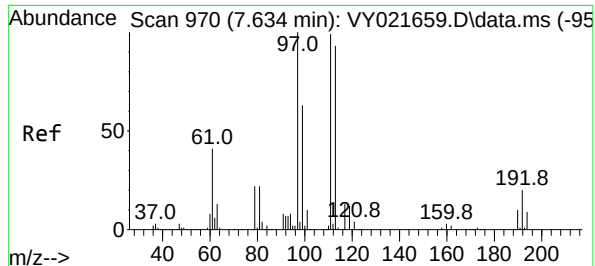
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 9.906 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

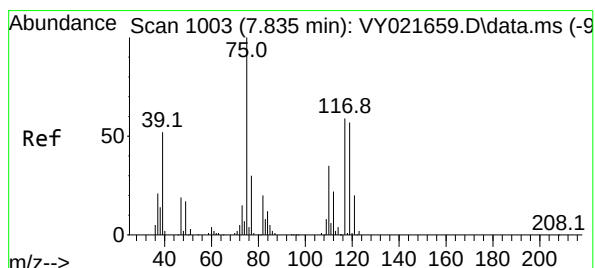
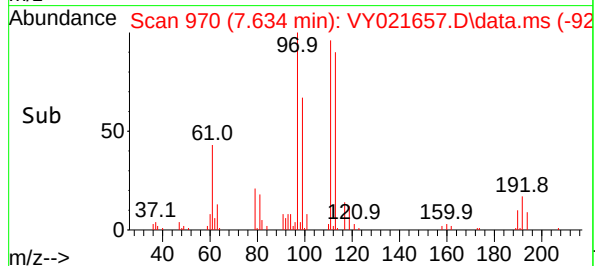
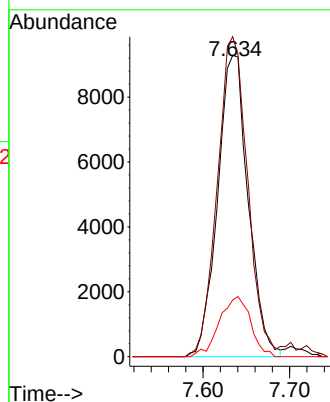
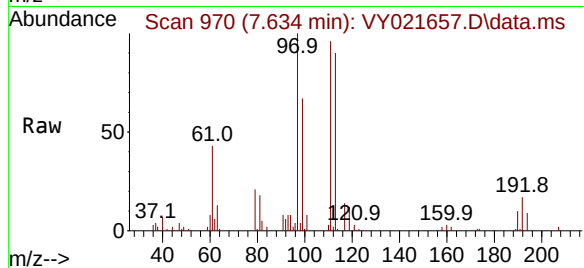
VSTDIC010

Tgt Ion:	113	Resp:	2279
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	123.8
192	20.4	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 10.304 ug/l

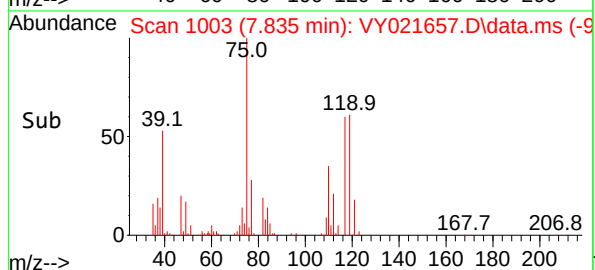
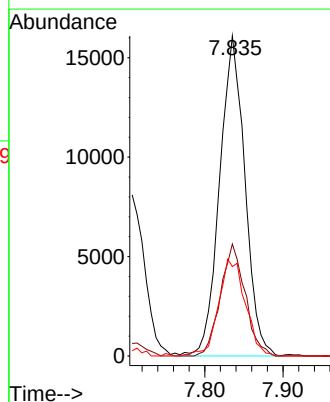
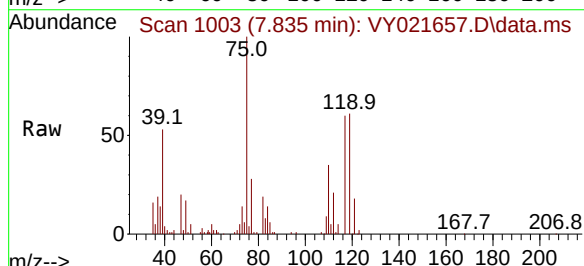
RT: 7.835 min Scan# 1003

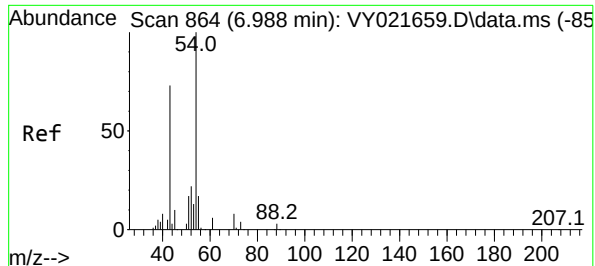
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	75	Resp:	36121
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	32.0	24.8	37.2





#37

Ethyl Acetate

Concen: 10.969 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

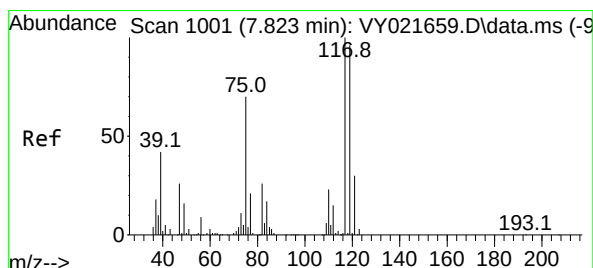
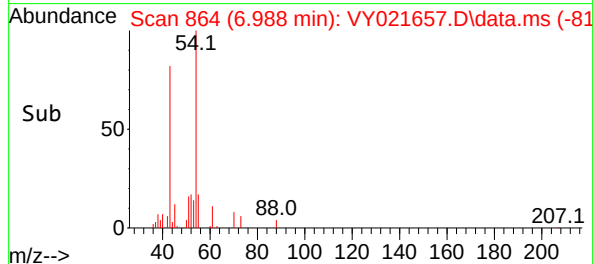
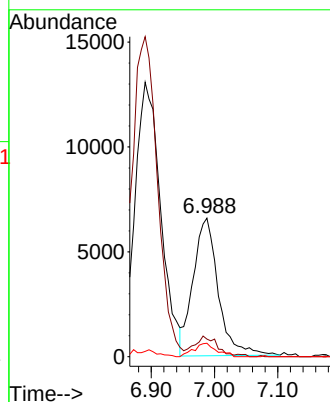
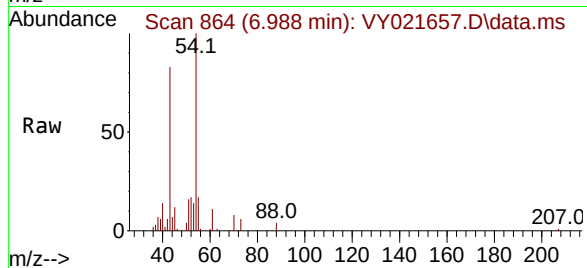
VSTDICC010

Tgt Ion:	43	Resp:	1814
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	8.8	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 10.496 ug/l

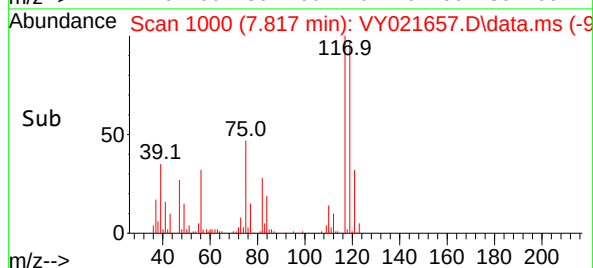
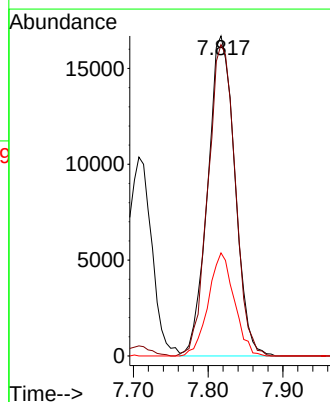
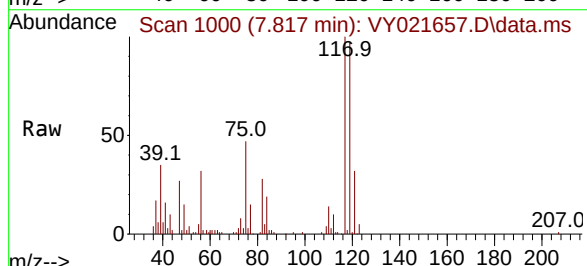
RT: 7.817 min Scan# 1000

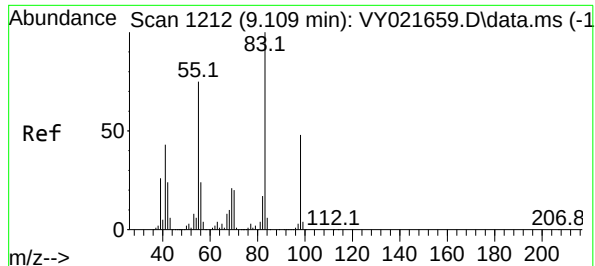
Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	117	Resp:	42141
Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.4
121	32.2	24.2	36.4





#39

Methylcyclohexane

Concen: 10.147 ug/l

RT: 9.103 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

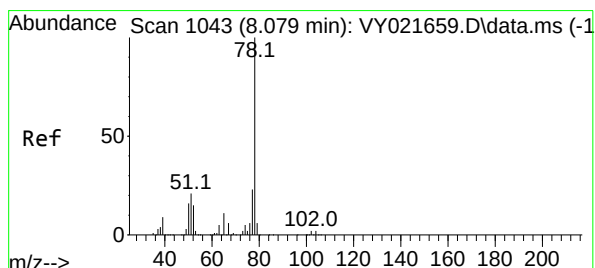
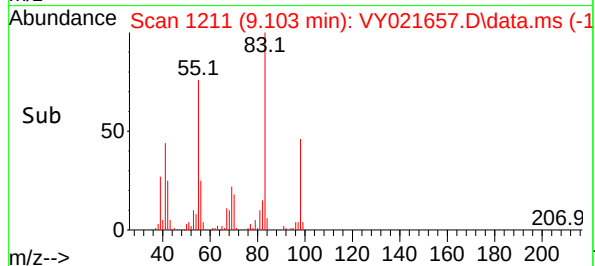
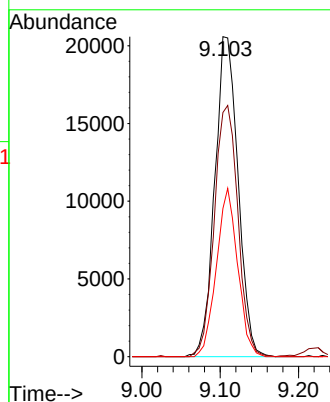
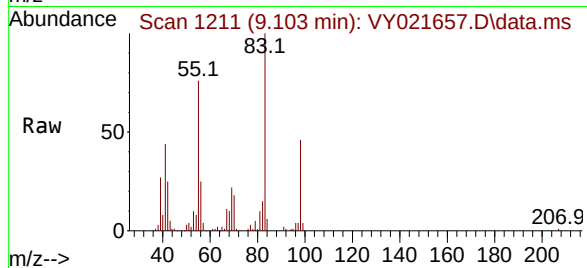
VSTDIC010

Tgt Ion:	83	Resp:	4249
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 10.322 ug/l

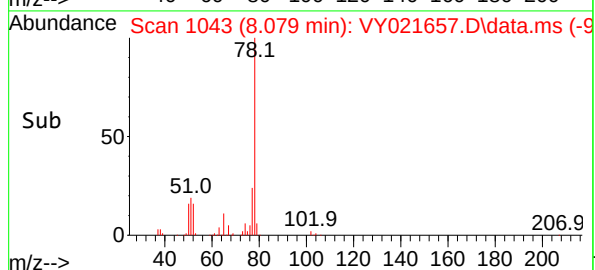
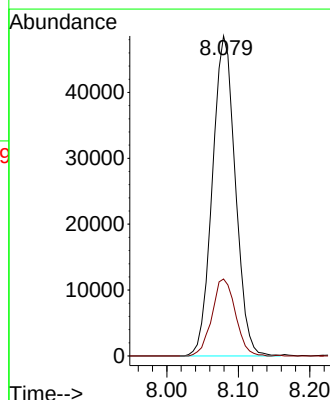
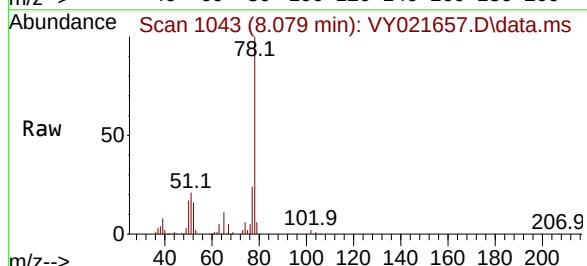
RT: 8.079 min Scan# 1043

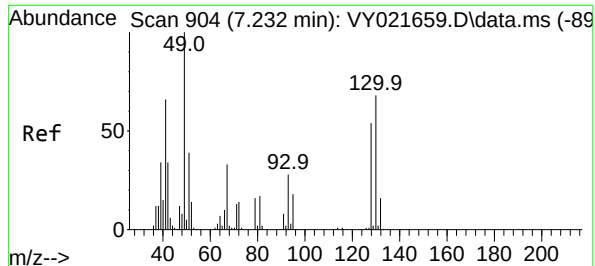
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	78	Resp:	108360
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





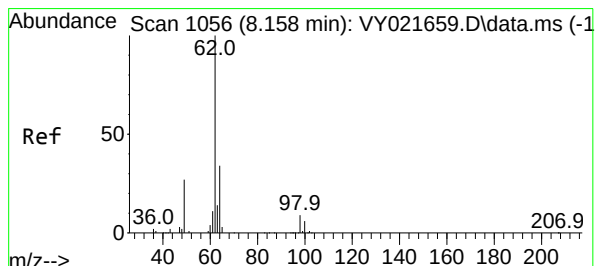
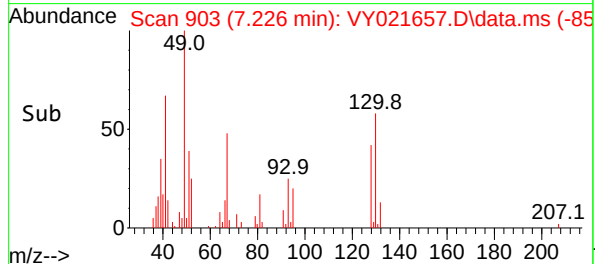
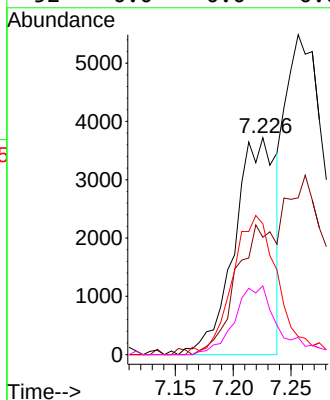
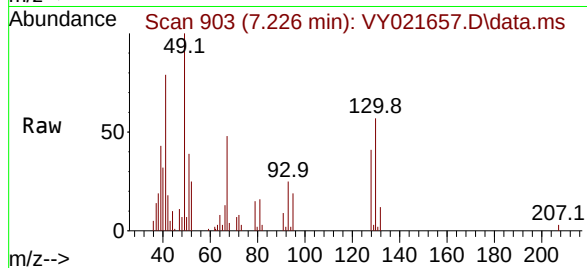
#41
Methacrylonitrile
Concen: 10.635 ug/l m
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 934
Ion Ratio Lower Upper
41 100
39 140.2 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

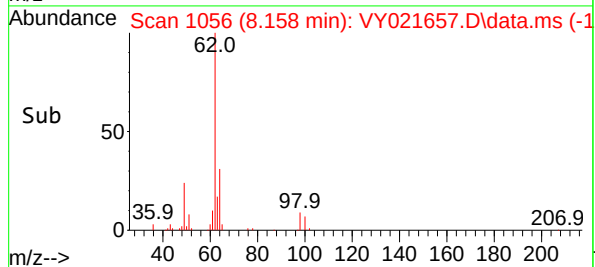
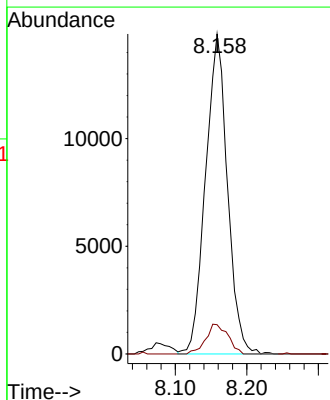
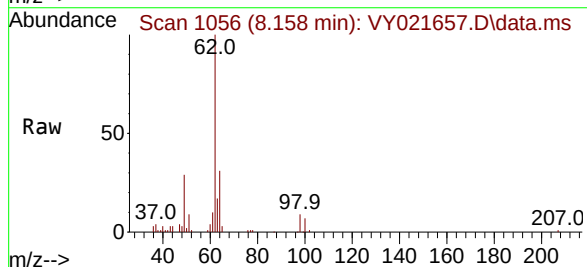
Manual Integrations
APPROVED

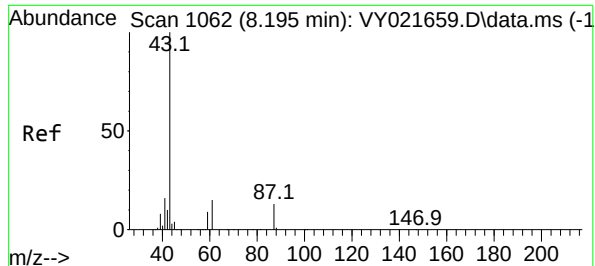
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 10.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 31606
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 10.738 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

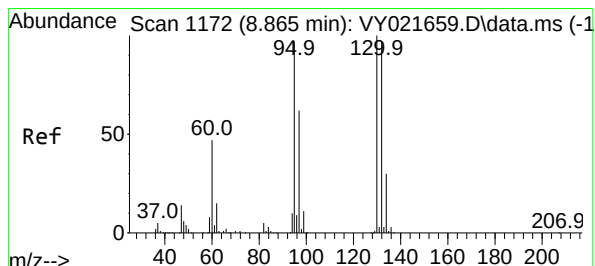
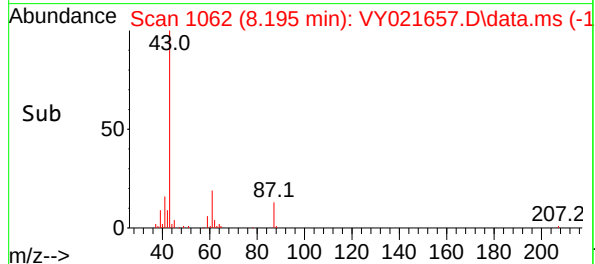
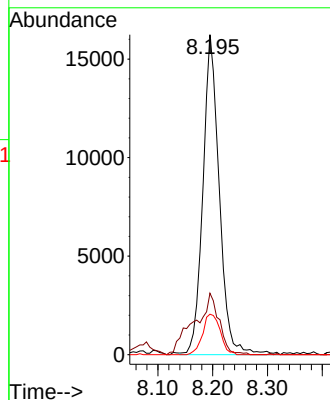
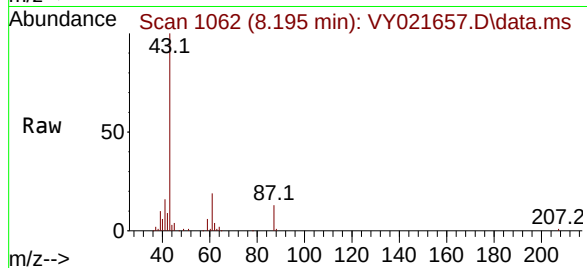
VSTDIC010

Tgt Ion:	43	Resp:	3366
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.9	23.9
87	13.6	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 10.571 ug/l

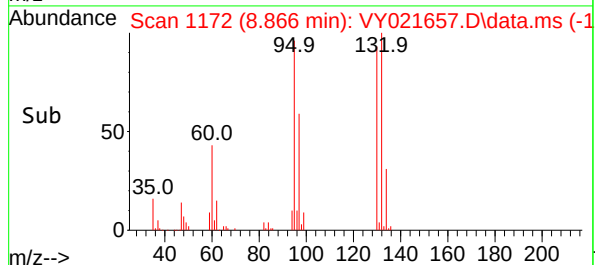
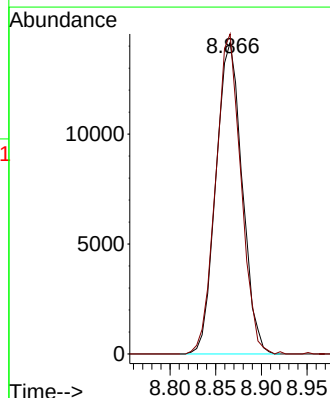
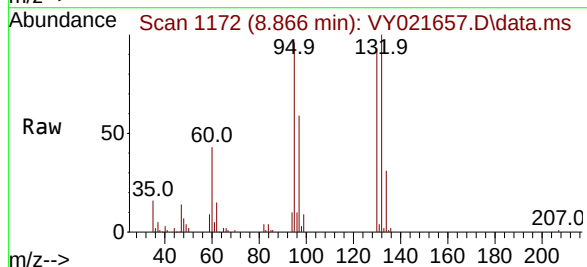
RT: 8.866 min Scan# 1172

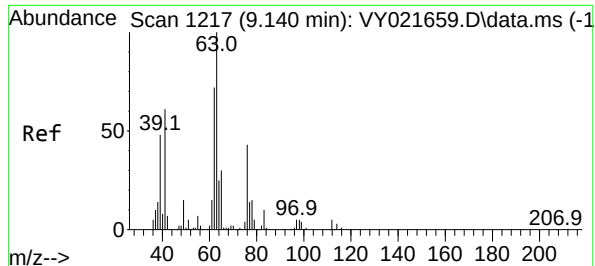
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	130	Resp:	28275
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	194.8





#45

1,2-Dichloropropane

Concen: 10.440 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2594

Ion Ratio Lower Upper

63 100

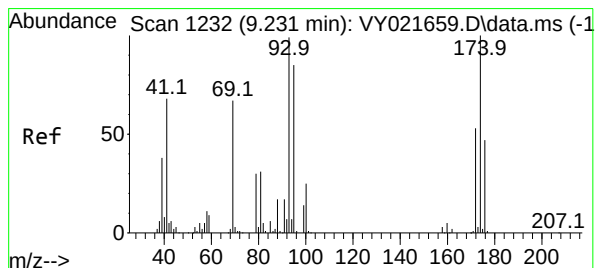
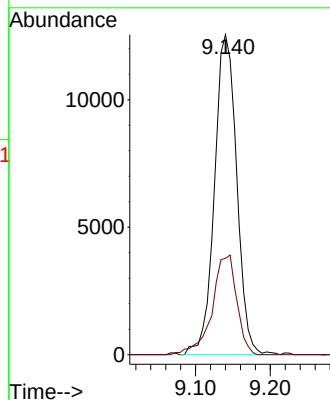
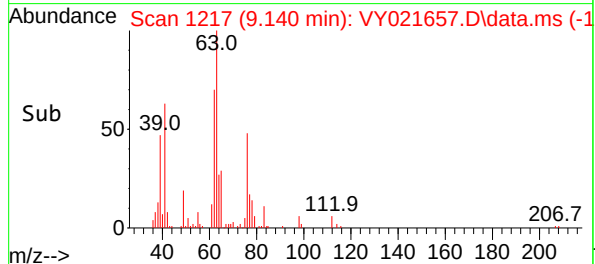
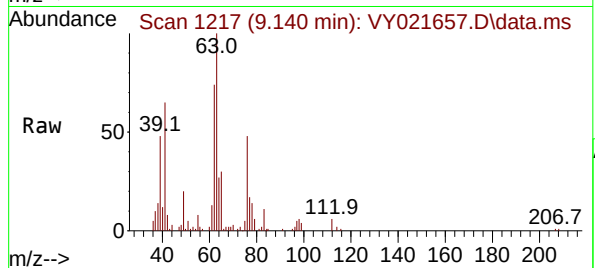
65 30.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 10.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

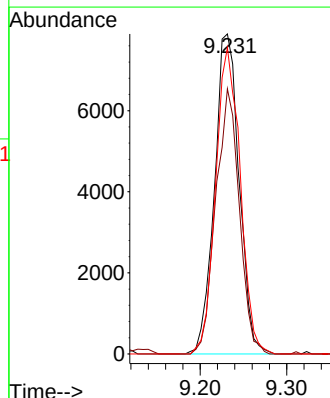
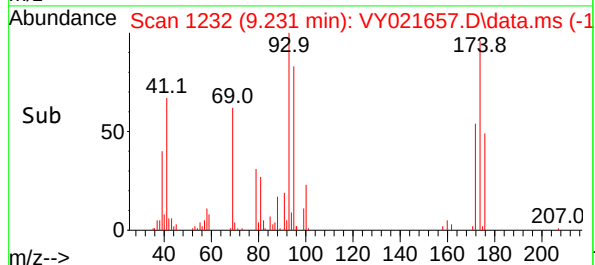
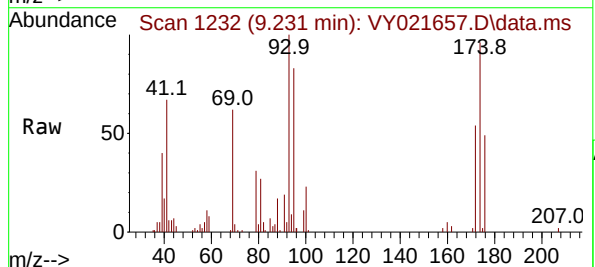
Tgt Ion: 93 Resp: 15605

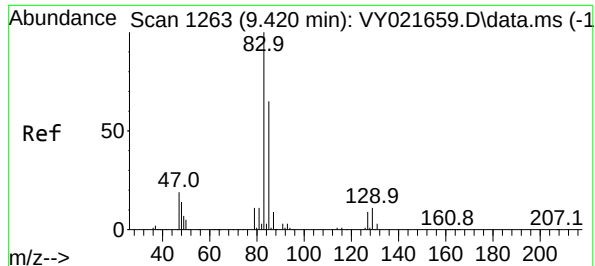
Ion Ratio Lower Upper

93 100

95 79.3 68.1 102.1

174 95.5 80.9 121.3





#47

Bromodichloromethane

Concen: 10.439 ug/l

RT: 9.427 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

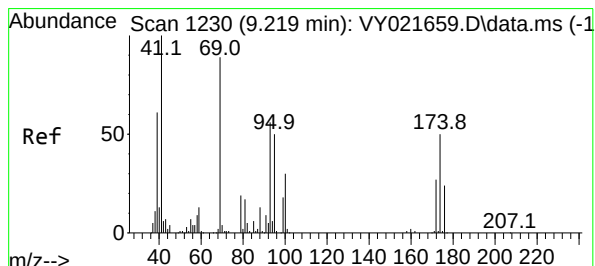
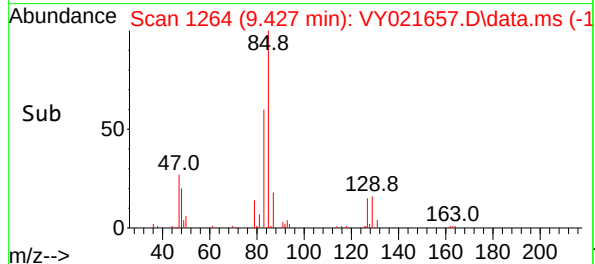
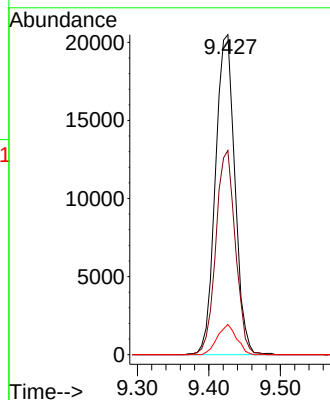
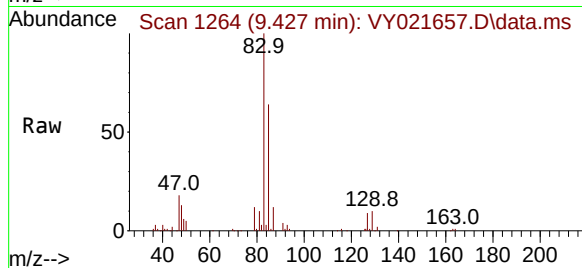
VSTDIC010

Tgt Ion:	83	Resp:	3873
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.5	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 10.130 ug/l

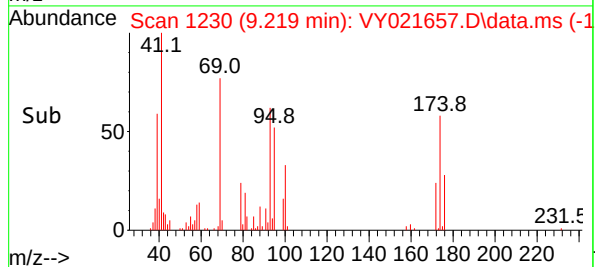
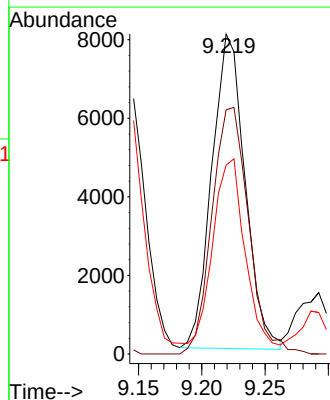
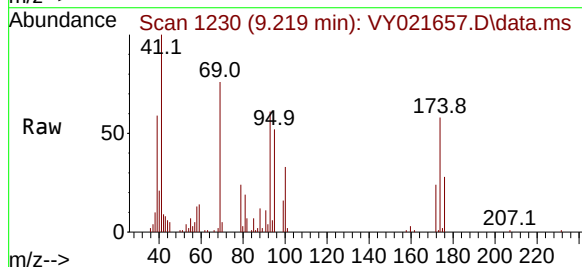
RT: 9.219 min Scan# 1230

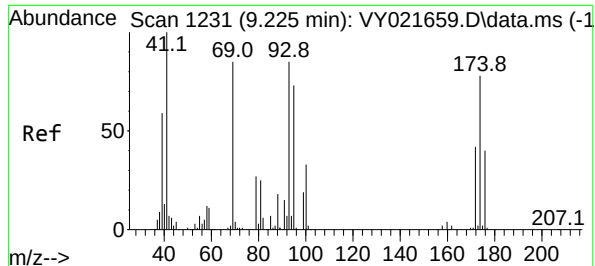
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	41	Resp:	14576
Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.8	104.8
39	56.4	47.2	70.8





#49

1,4-Dioxane

Concen: 200.565 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

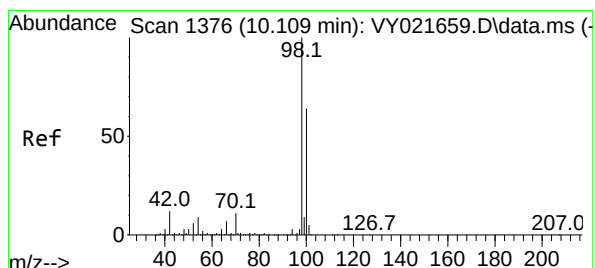
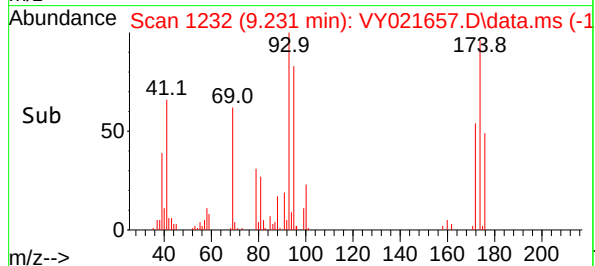
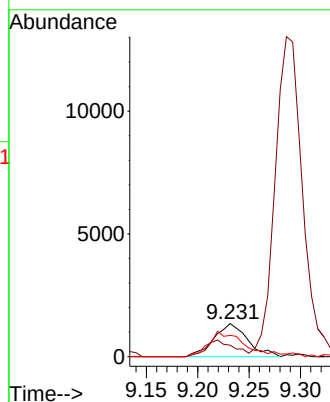
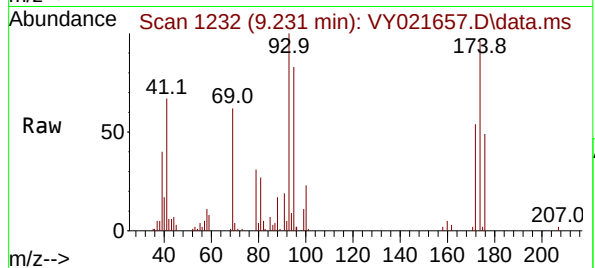
VSTDIC010

Tgt Ion:	88	Resp:	307
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.8	43.2
58	85.0	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 10.051 ug/l

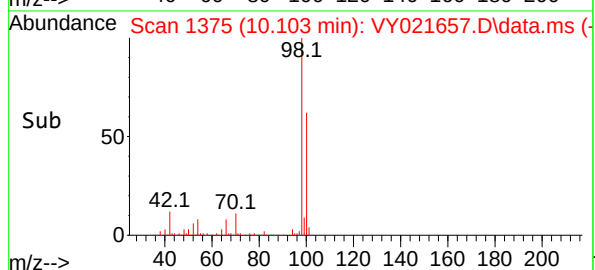
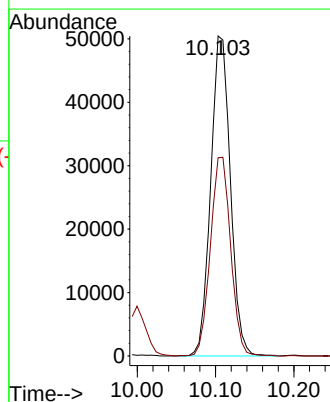
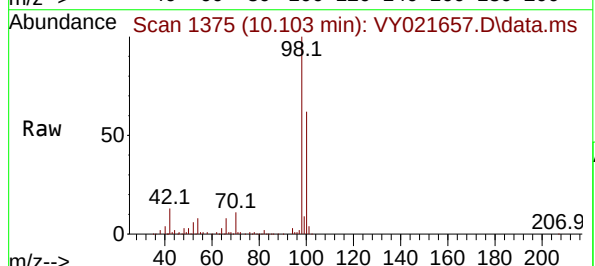
RT: 10.103 min Scan# 1375

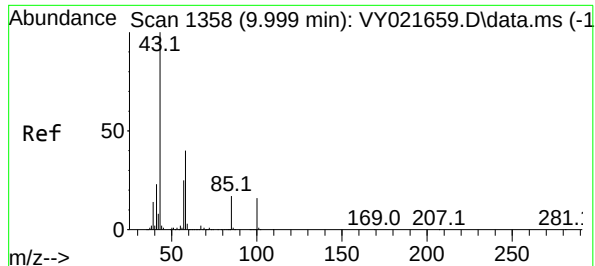
Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

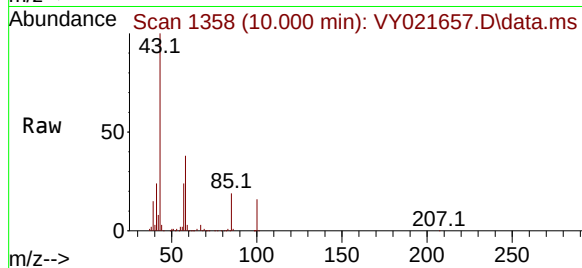
Tgt Ion:	98	Resp:	88000
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

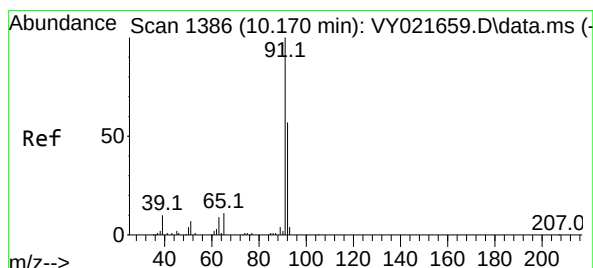
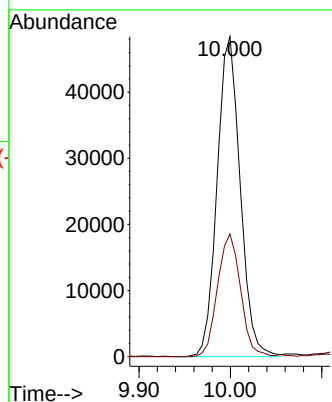
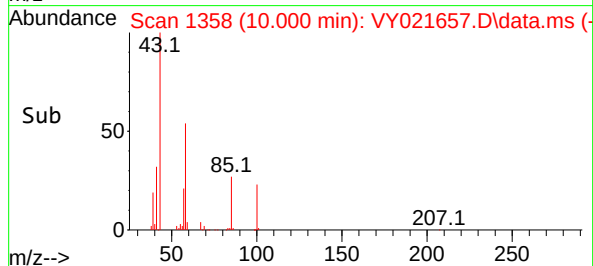
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 85020
Ion Ratio Lower Upper
43 100
58 38.2 31.5 47.3

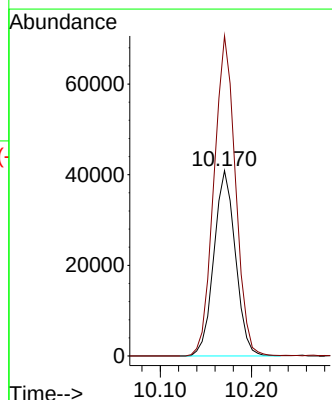
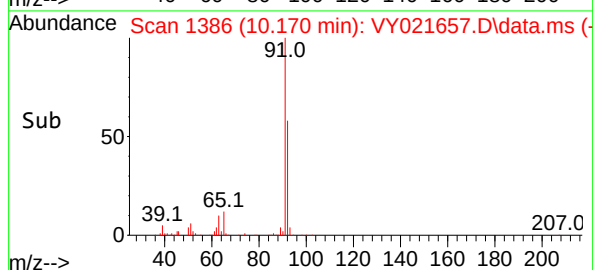
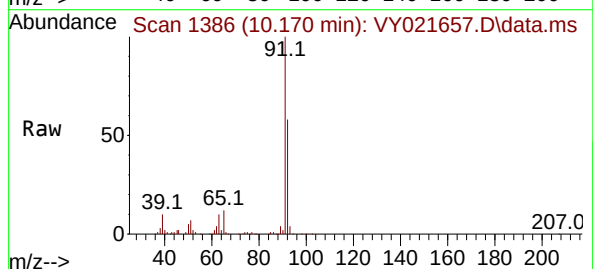
Manual Integrations
APPROVED

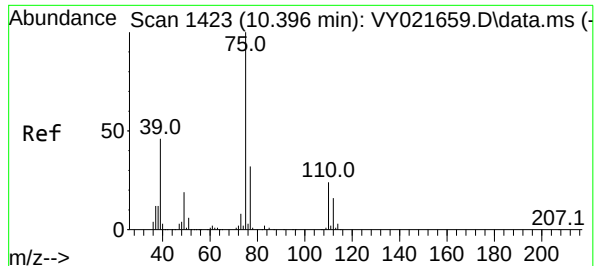
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 10.212 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 92 Resp: 66889
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





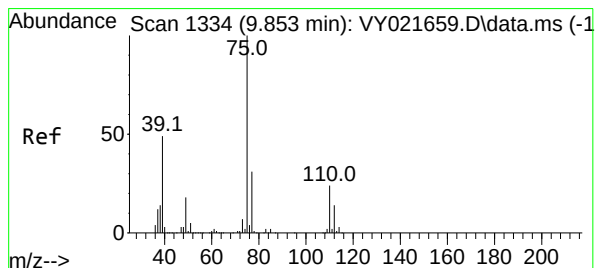
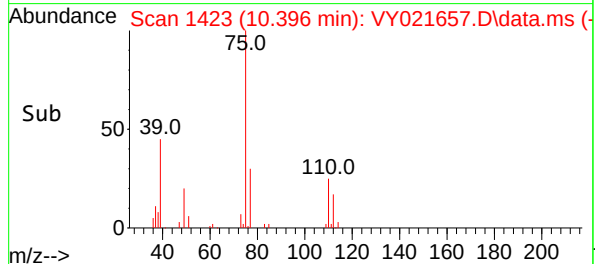
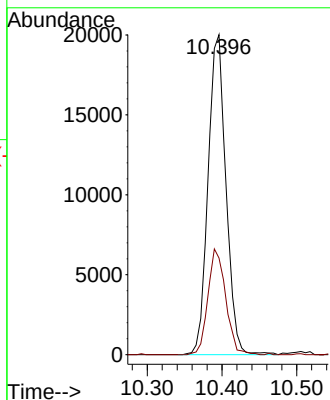
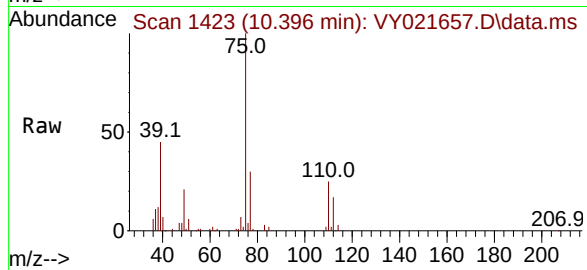
#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 33350
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9

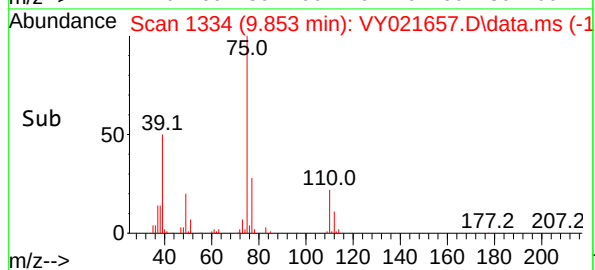
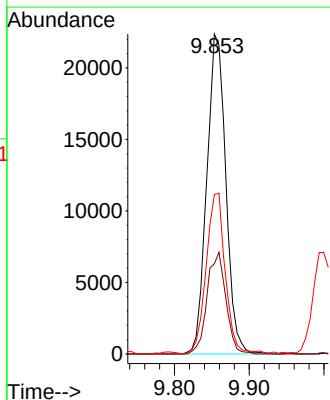
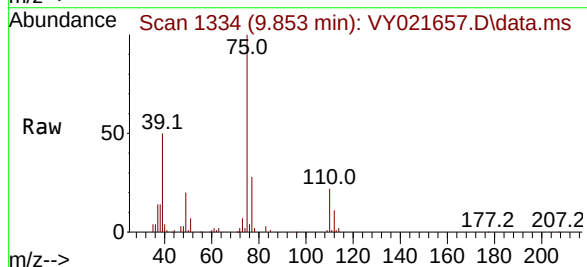
Manual Integrations
APPROVED

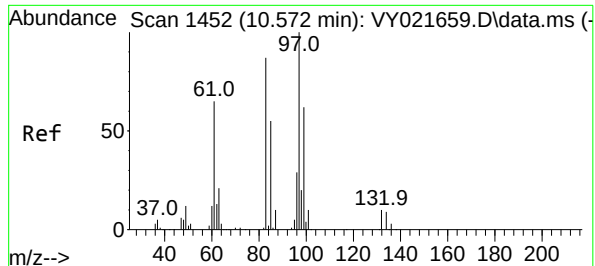
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

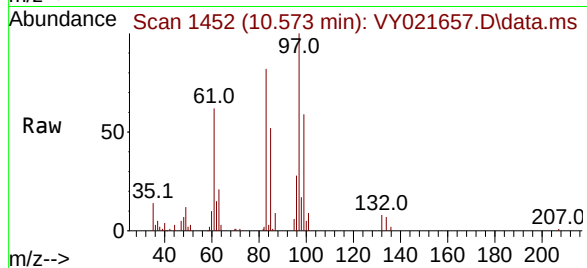
Tgt Ion: 75 Resp: 39609
Ion Ratio Lower Upper
75 100
77 28.2 24.9 37.3
39 49.6 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

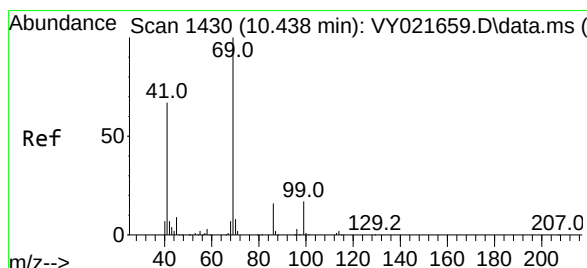
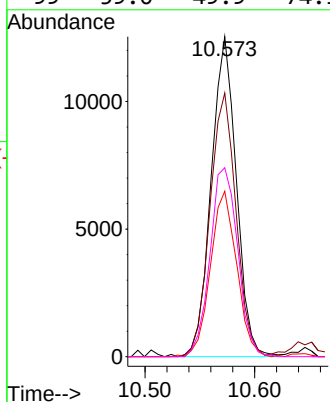
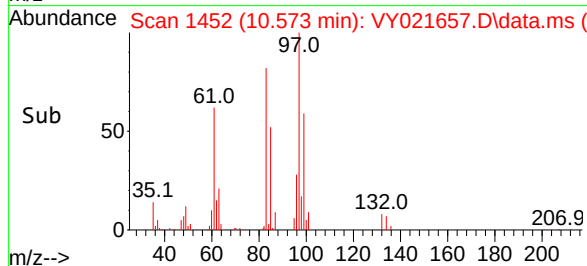
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



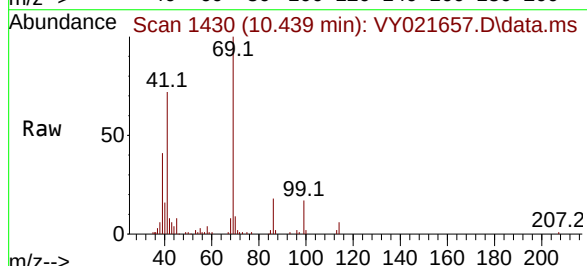
Tgt Ion: 97 Resp: 20050
Ion Ratio Lower Upper
97 100
83 82.4 69.5 104.3
85 51.3 43.9 65.9
99 59.0 49.9 74.9

Manual Integrations
APPROVED

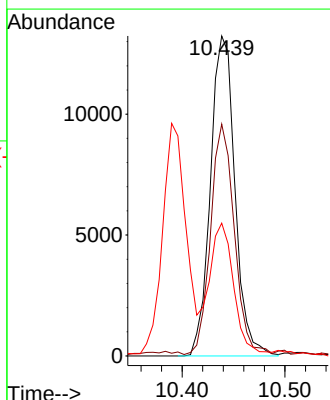
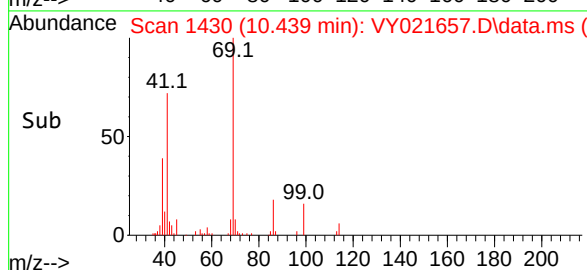
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

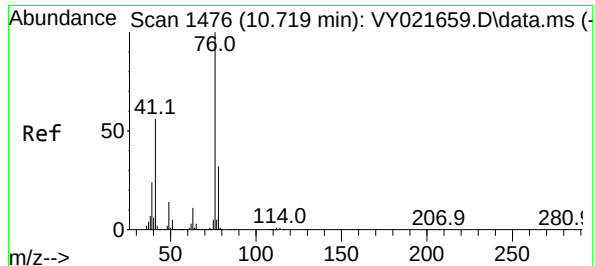


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



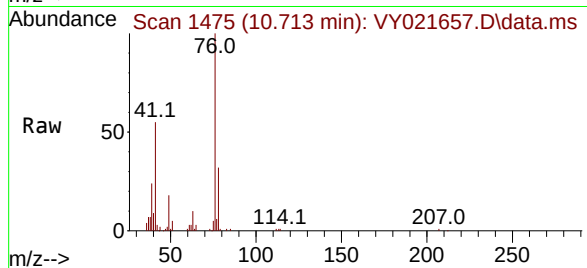
Tgt Ion: 69 Resp: 21901
Ion Ratio Lower Upper
69 100
41 70.1 53.8 80.6
39 40.2 29.6 44.4





#57
1,3-Dichloropropane
Concen: 10.467 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

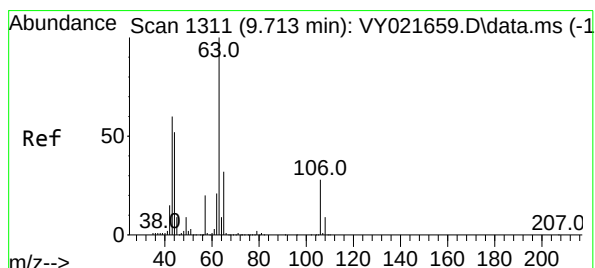
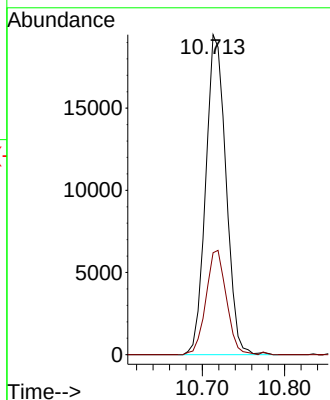
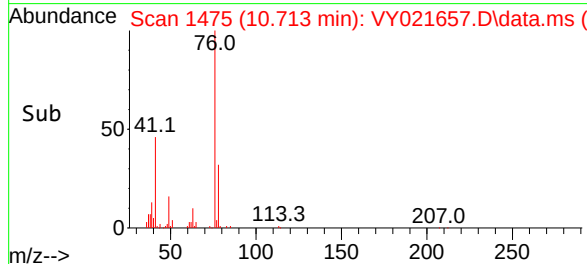
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 76 Resp: 33310
Ion Ratio Lower Upper
76 100
78 32.9 25.8 38.8

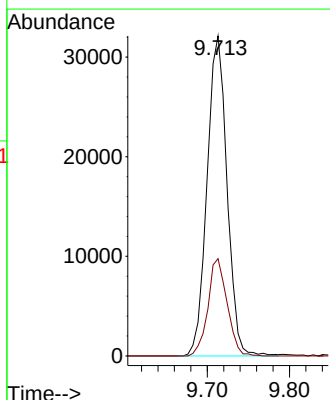
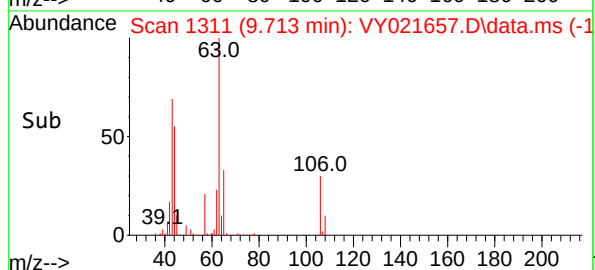
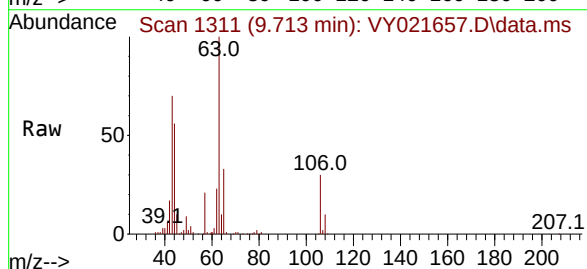
Manual Integrations
APPROVED

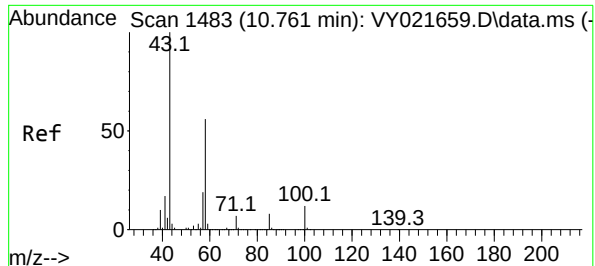
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 47.274 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

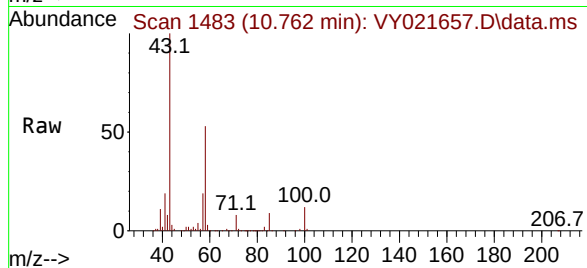
Tgt Ion: 63 Resp: 54271
Ion Ratio Lower Upper
63 100
106 29.2 22.4 33.6





#59
2-Hexanone
Concen: 50.295 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

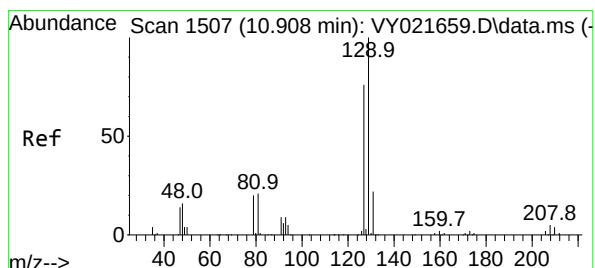
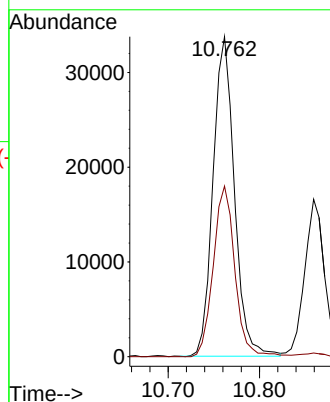
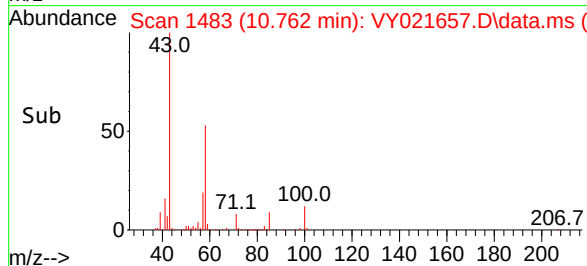
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 54649
Ion Ratio Lower Upper
43 100
58 54.0 27.2 81.5

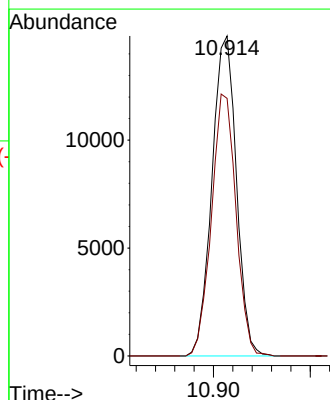
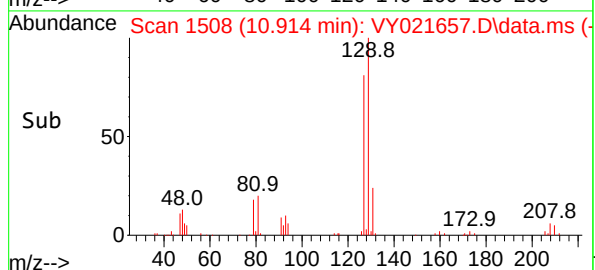
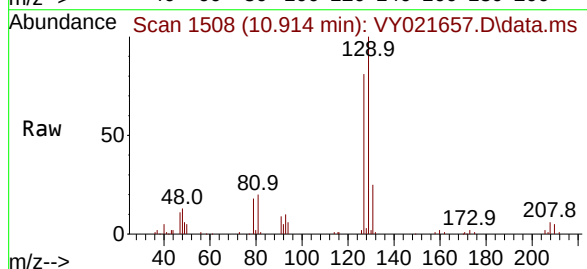
Manual Integrations
APPROVED

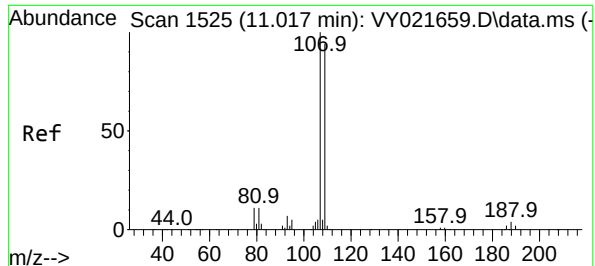
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 10.346 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

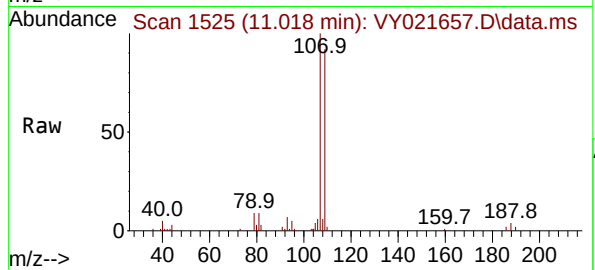
Tgt Ion:129 Resp: 26032
Ion Ratio Lower Upper
129 100
127 82.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

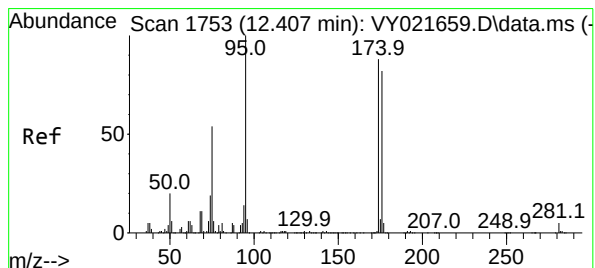
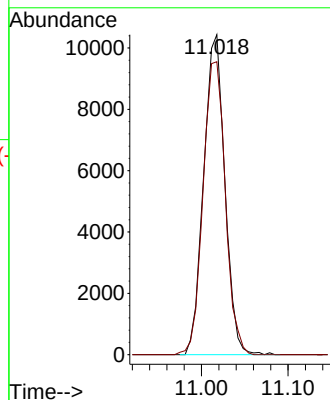
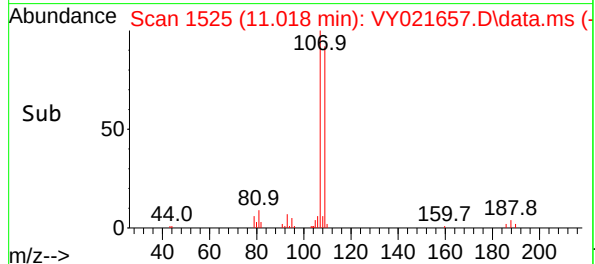
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:107 Resp: 1772
Ion Ratio Lower Upper
107 100
109 96.3 74.4 111.6

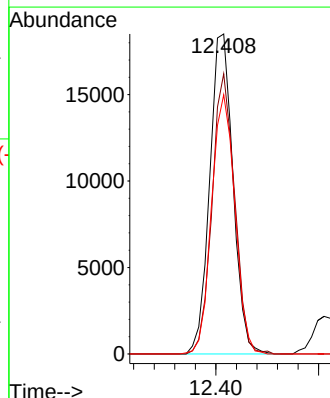
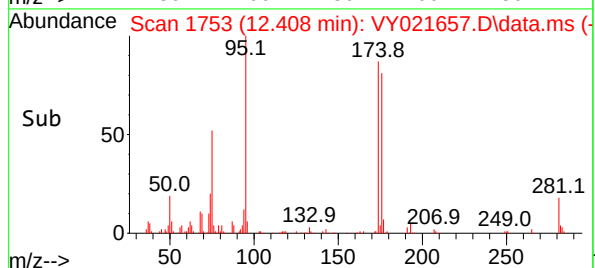
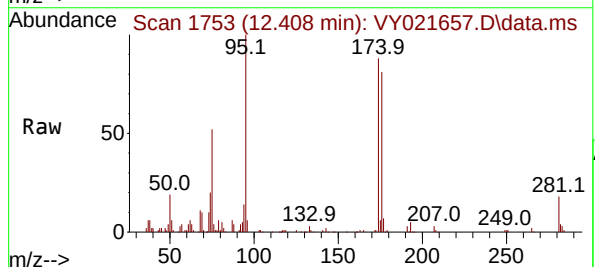
Manual Integrations
APPROVED

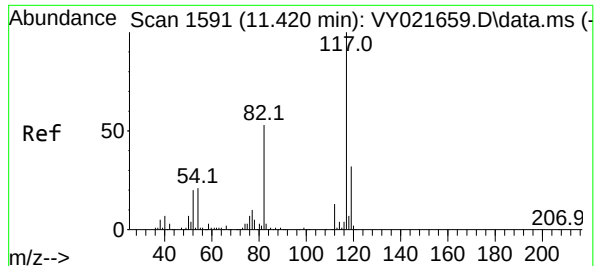
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

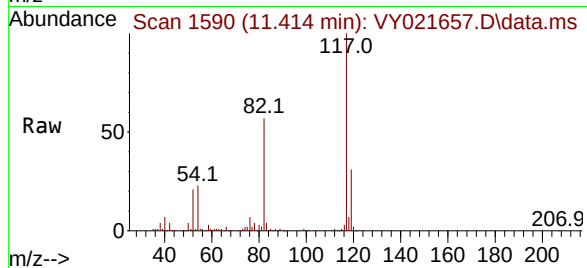
Tgt Ion: 95 Resp: 29125
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 81.1 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

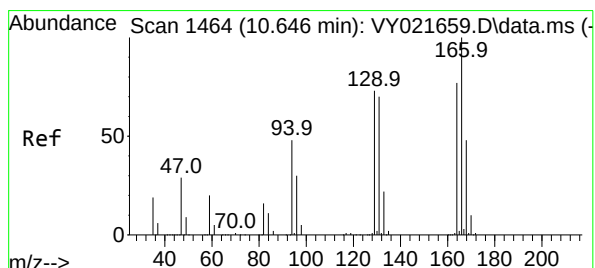
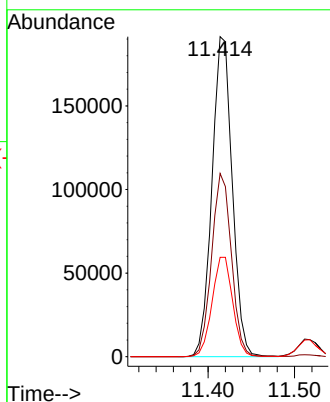
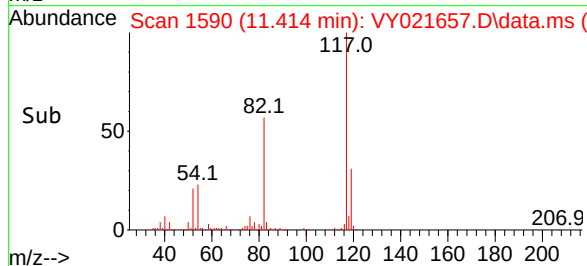
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:117 Resp: 31173
Ion Ratio Lower Upper
117 100
82 57.2 42.8 64.2
119 31.0 25.7 38.5

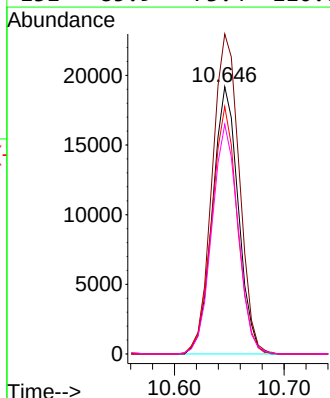
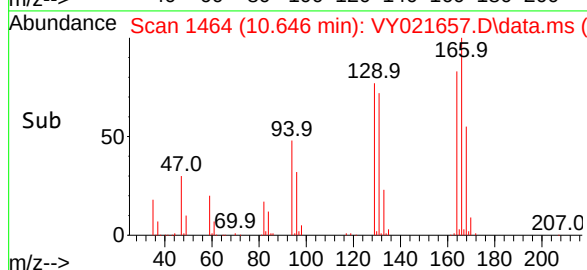
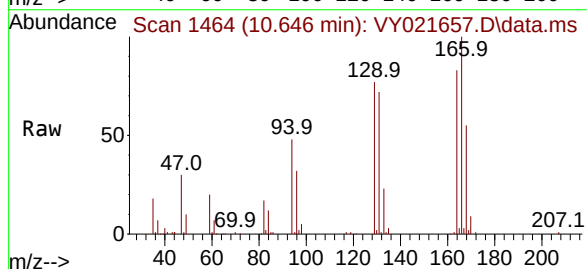
Manual Integrations
APPROVED

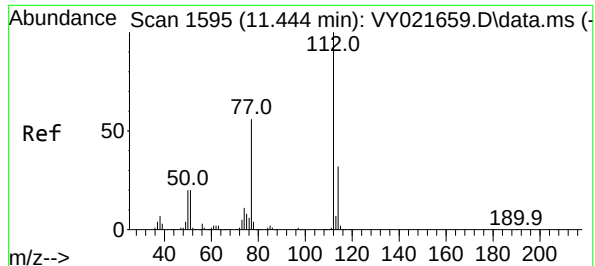
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334
Ion Ratio Lower Upper
164 100
166 119.8 104.6 156.8
129 92.6 76.6 114.8
131 85.9 73.4 110.0





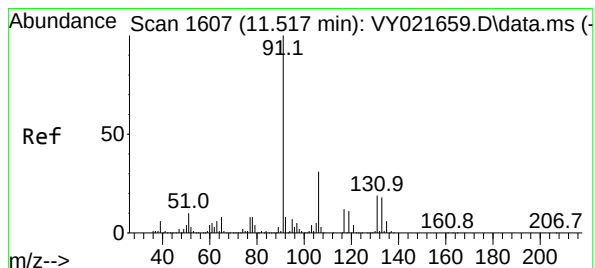
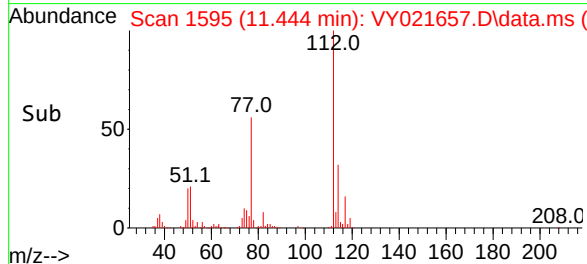
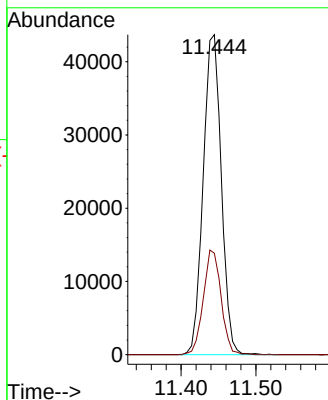
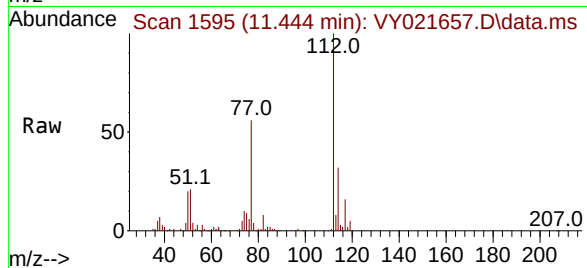
#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 7343
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

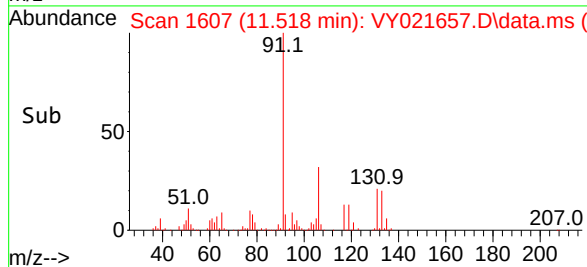
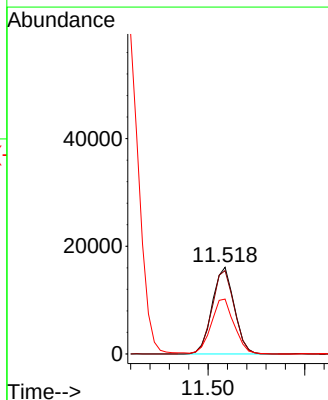
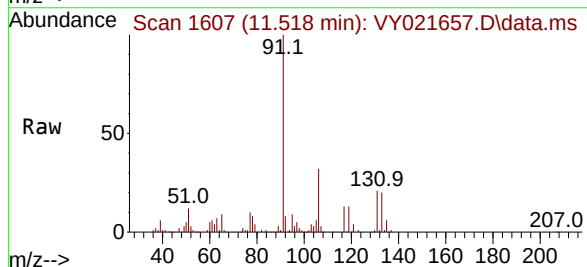
Manual Integrations
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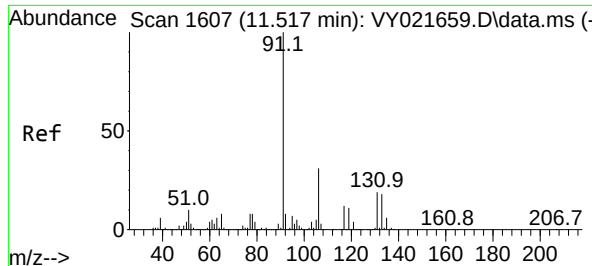
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 65.9 31.6 95.0





#67

Ethyl Benzene

Concen: 9.750 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 119480

Ion Ratio Lower Upper

91 100

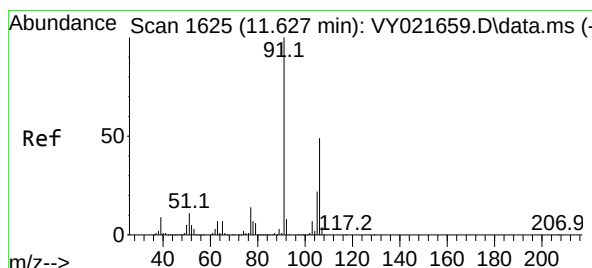
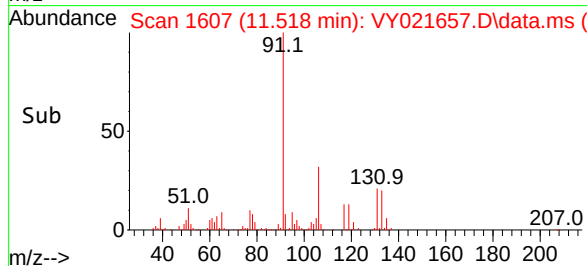
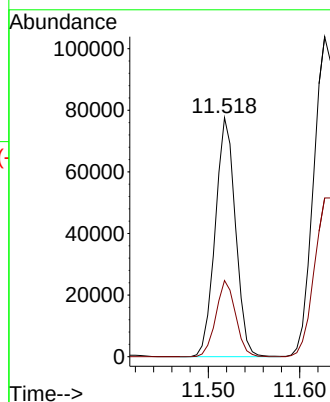
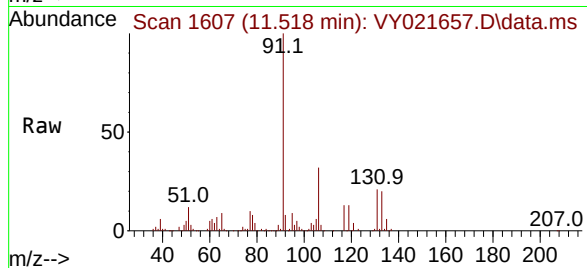
106 31.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 20.009 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021657.D

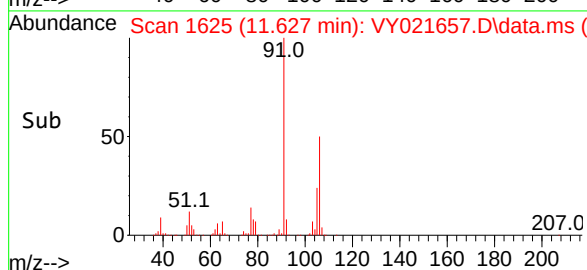
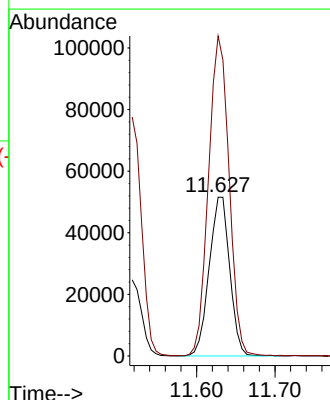
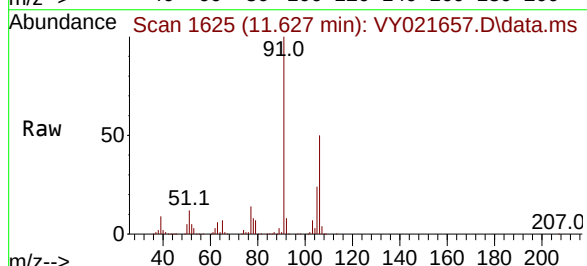
Acq: 27 Mar 2025 10:31

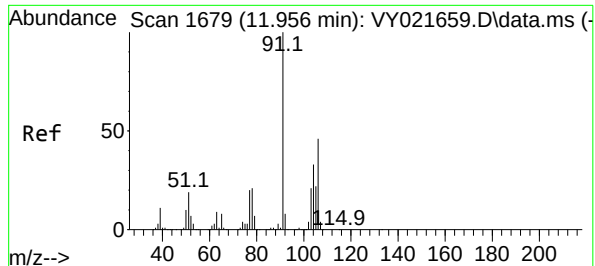
Tgt Ion:106 Resp: 93887

Ion Ratio Lower Upper

106 100

91 201.5 162.4 243.6





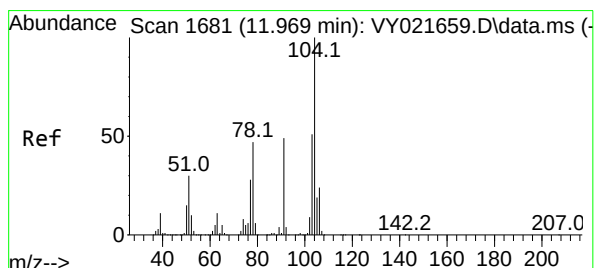
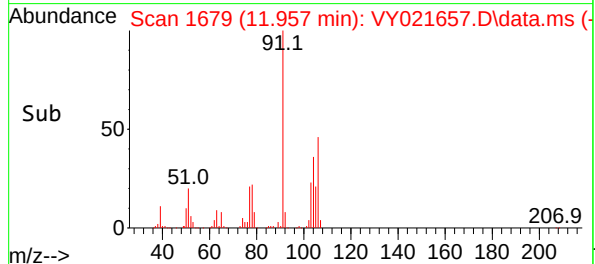
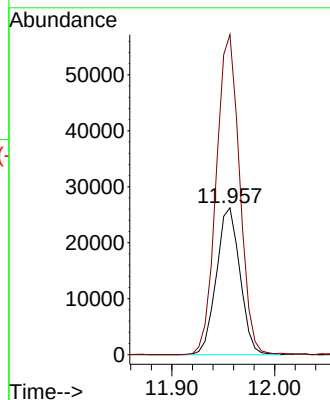
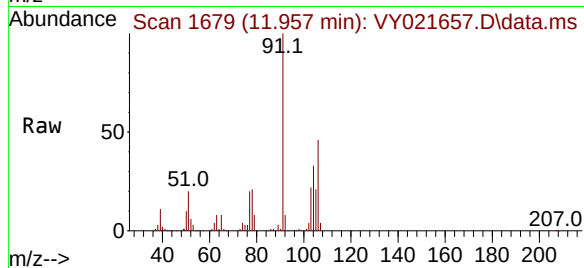
#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 41768
Ion Ratio Lower Upper
106 100
91 216.6 106.7 319.9

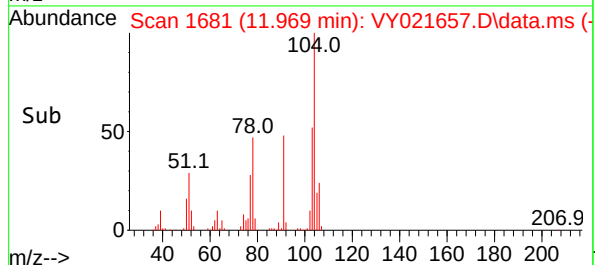
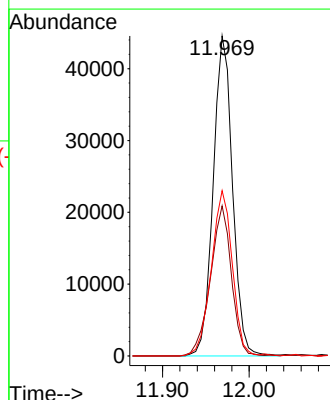
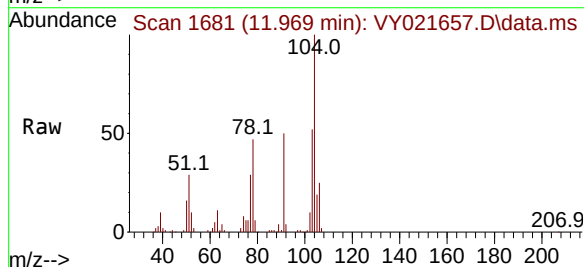
Manual Integrations
APPROVED

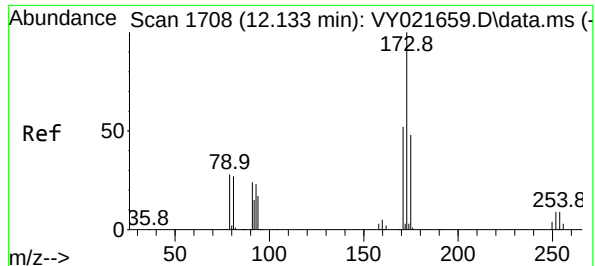
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

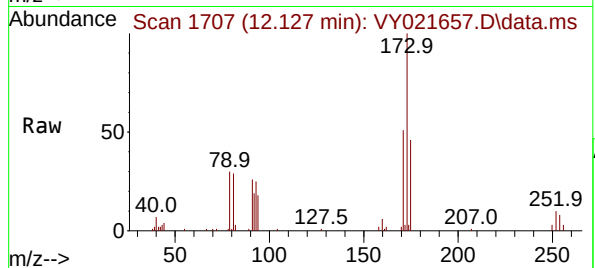
Tgt Ion:104 Resp: 69196
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 56.1 44.2 66.2





#71
Bromoform
Concen: 10.294 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

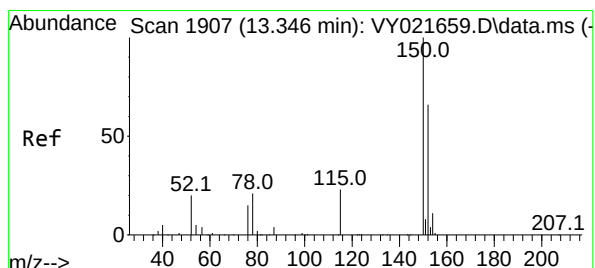
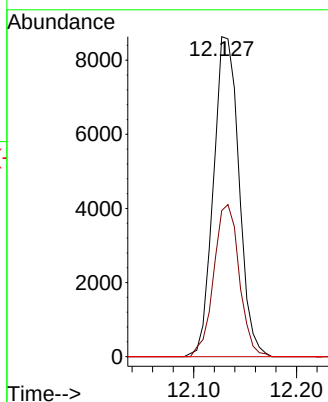
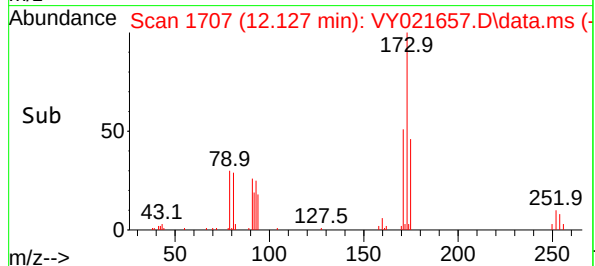
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



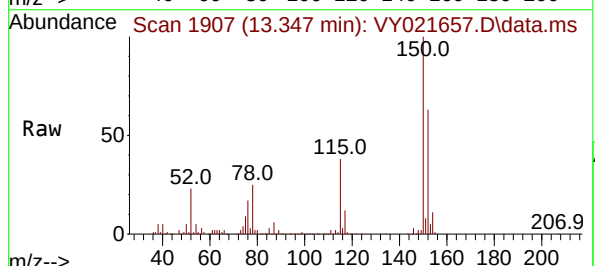
Tgt Ion:173 Resp: 1488
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
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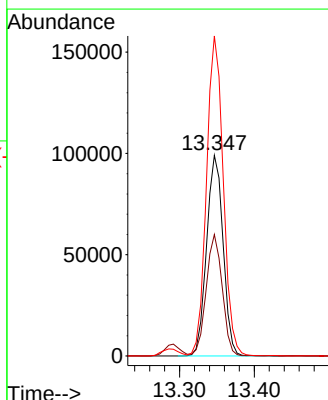
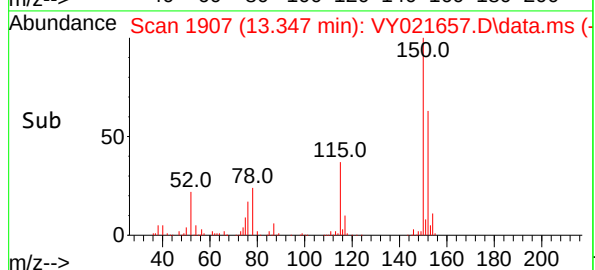
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

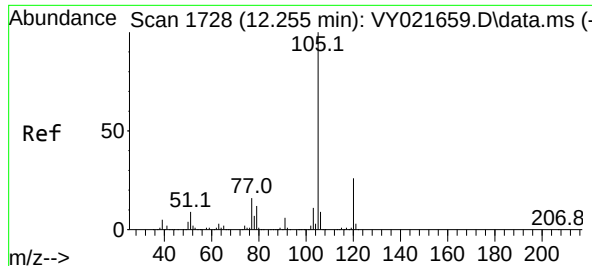


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



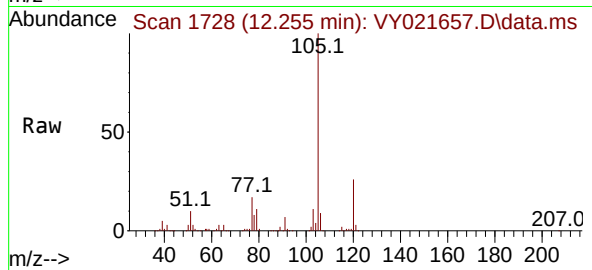
Tgt Ion:152 Resp: 152005
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 161.6 0.0 348.4





#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 11251
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

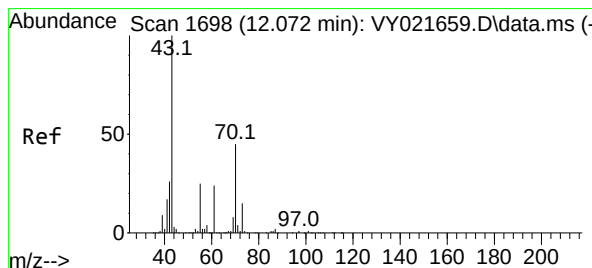
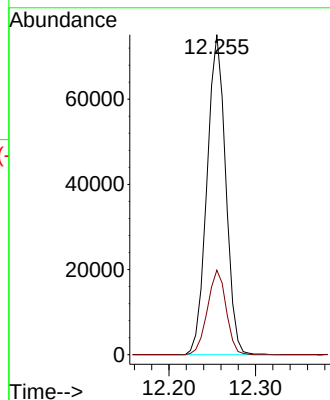
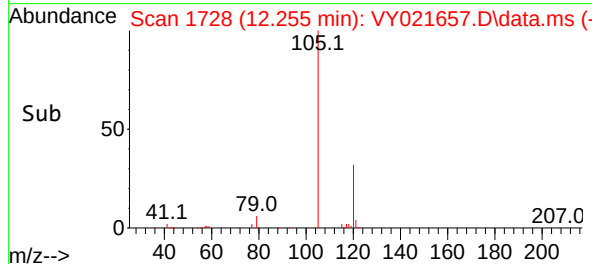
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 11251
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

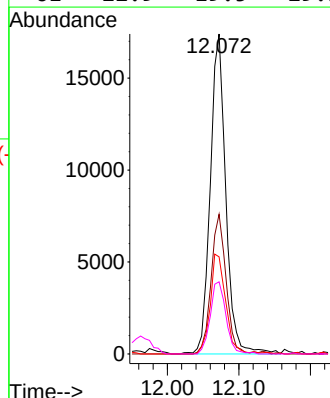
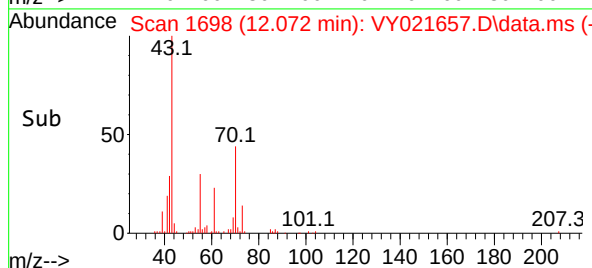
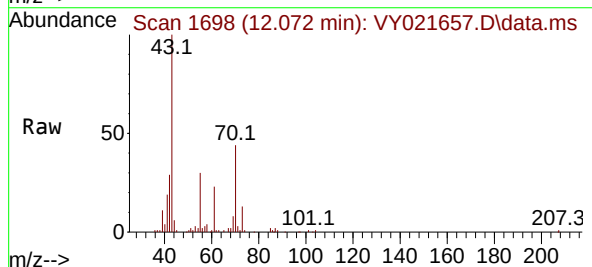
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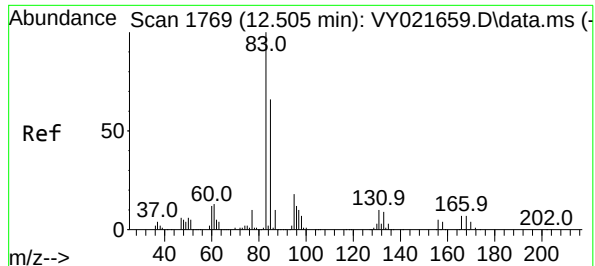
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259
Ion Ratio Lower Upper
43 100
70 41.9 34.7 52.1
55 30.8 21.2 31.8
61 22.9 19.5 29.3





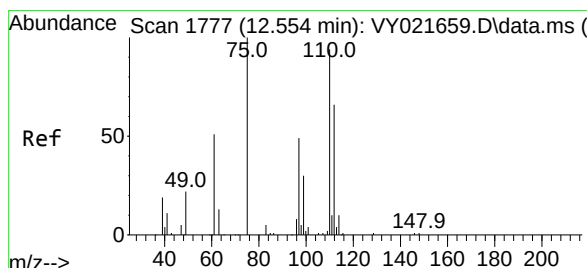
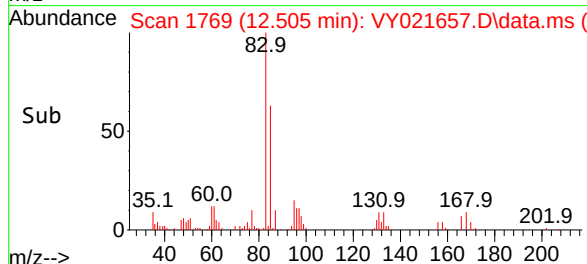
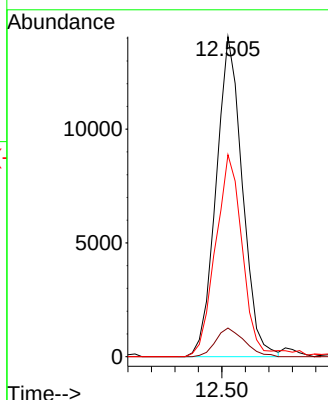
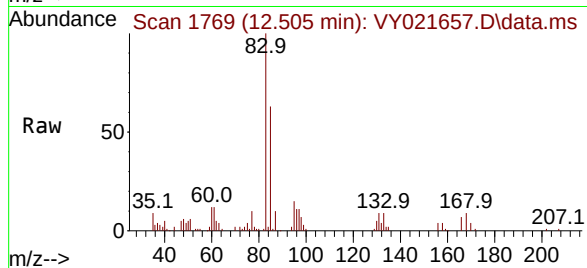
#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 2188
Ion Ratio Lower Upper
83 100
131 9.8 5.1 15.3
85 65.8 32.3 96.8

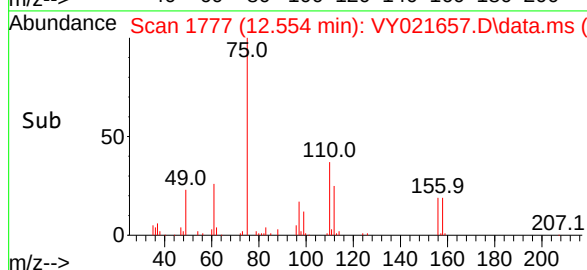
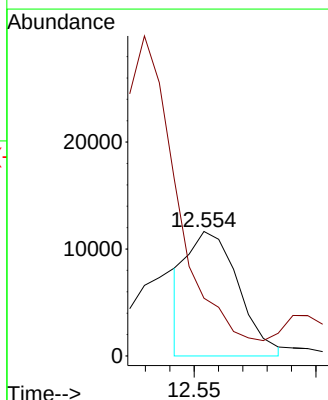
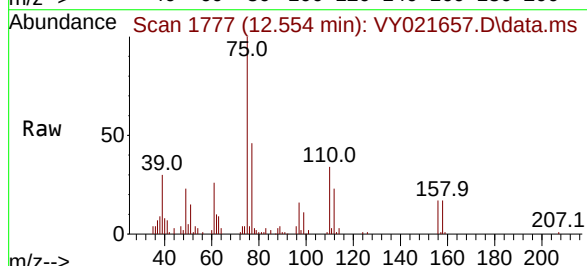
Manual Integrations
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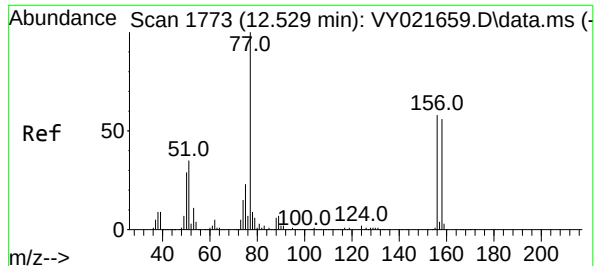
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 11.300 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 17026
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.199 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:156 Resp: 27648

Ion Ratio Lower Upper

156 100

77 187.1 92.8 278.3

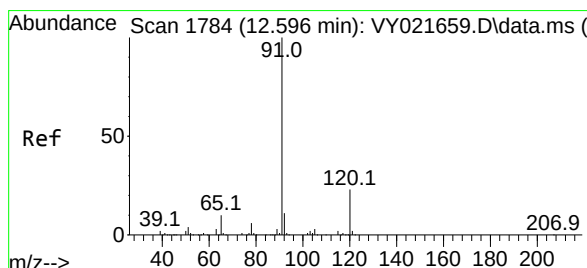
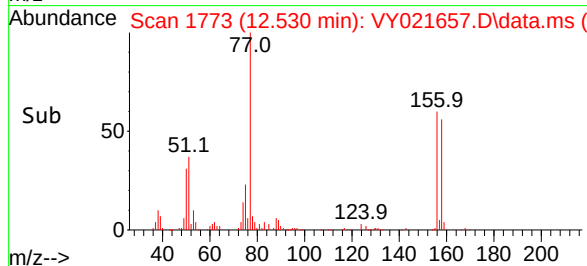
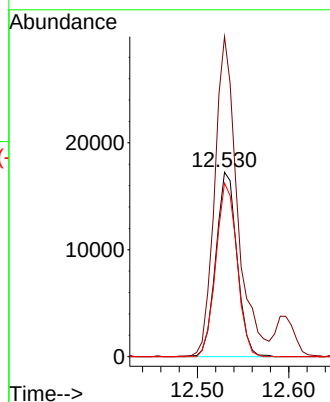
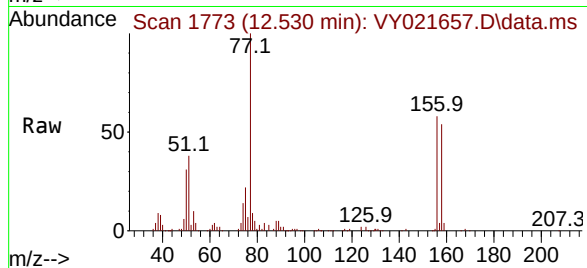
158 94.2 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#78

n-propylbenzene

Concen: 9.983 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021657.D

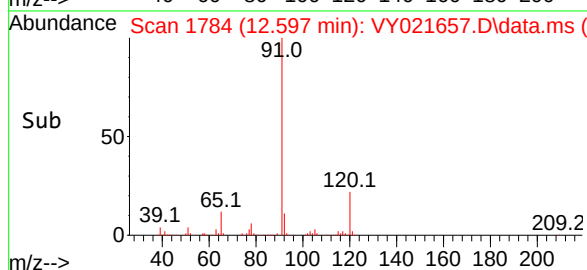
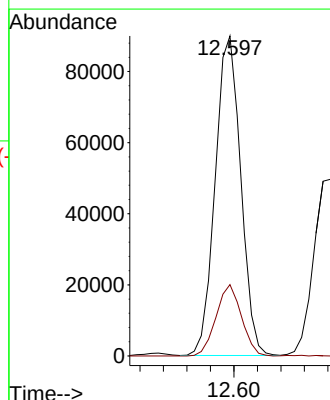
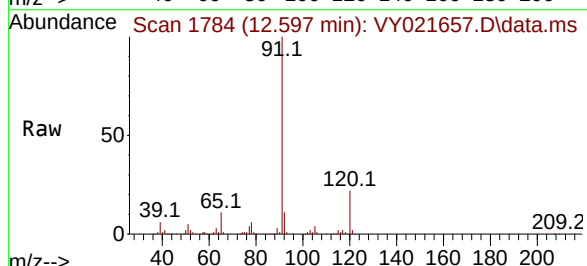
Acq: 27 Mar 2025 10:31

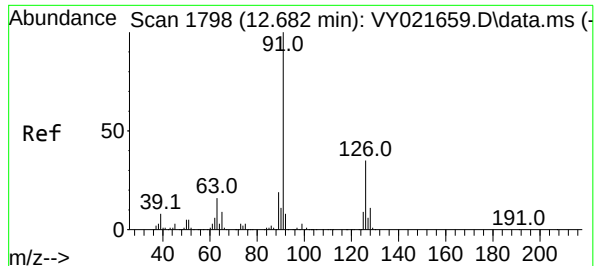
Tgt Ion: 91 Resp: 135498

Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9





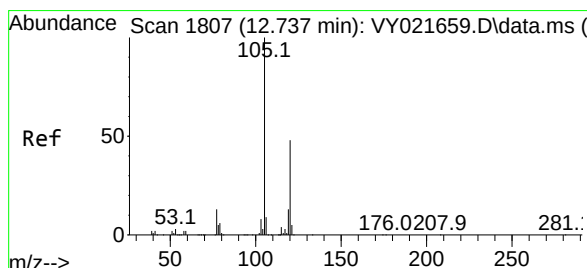
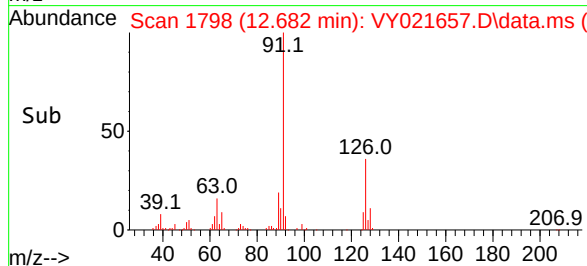
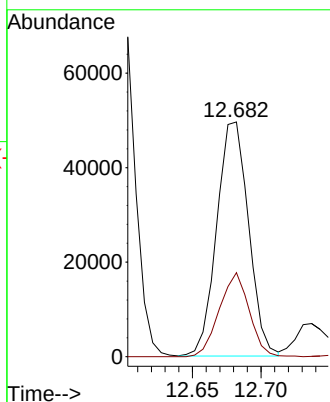
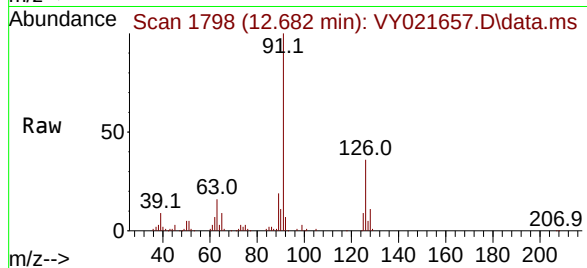
#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 80079
Ion Ratio Lower Upper
91 100
126 33.6 17.3 52.0

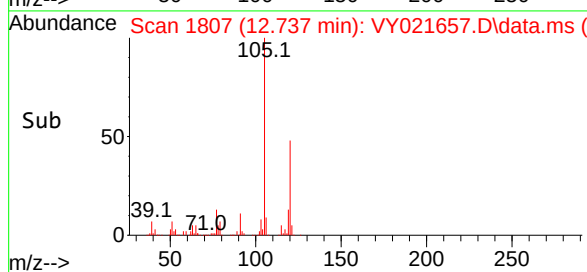
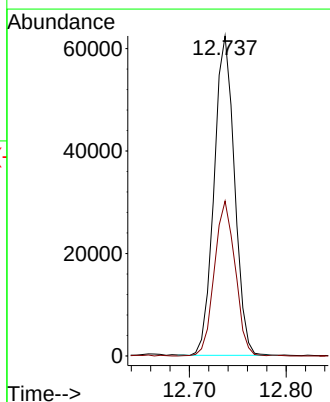
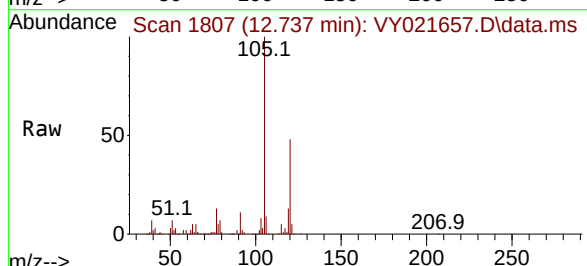
Manual Integrations
APPROVED

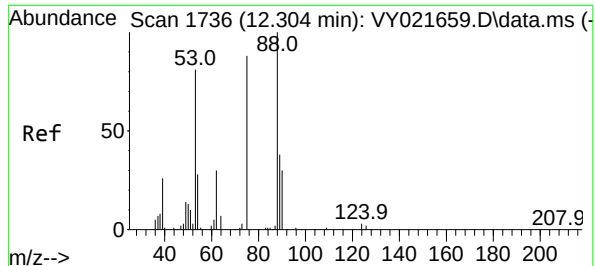
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 9.888 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

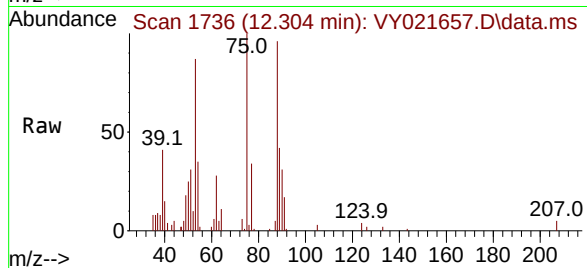
Tgt Ion:105 Resp: 91235
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

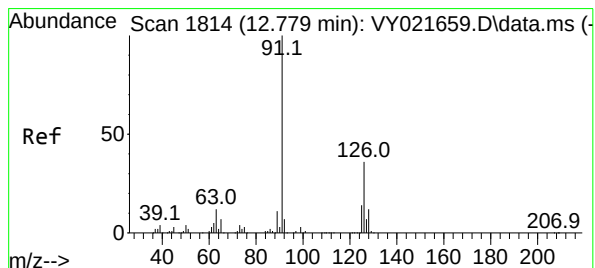
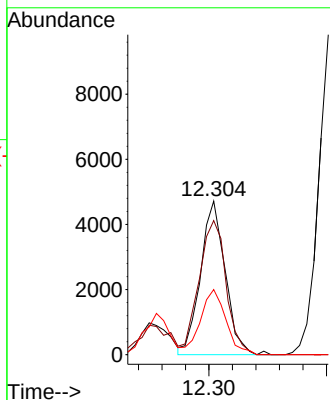
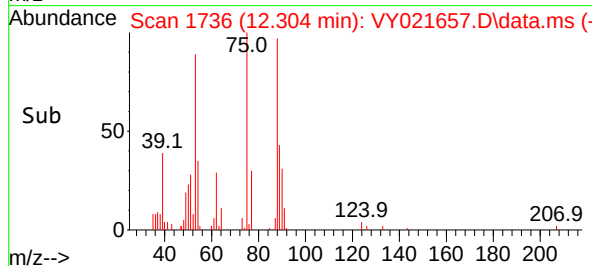
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 689
Ion Ratio Lower Upper
75 100
53 95.8 76.1 114.1
89 44.2 36.2 54.4

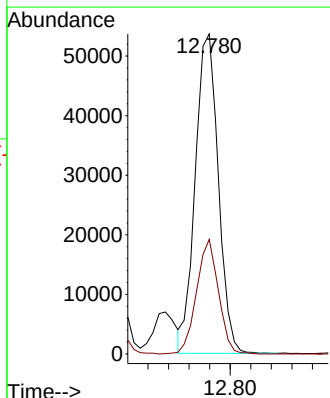
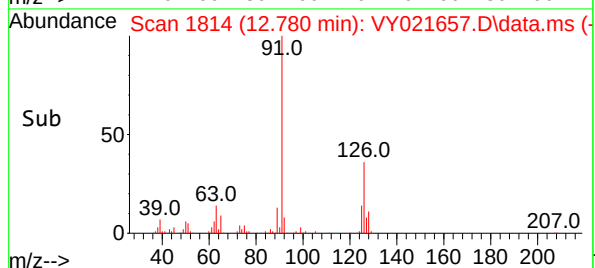
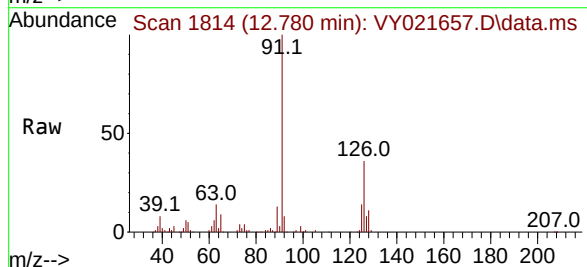
Manual Integrations
APPROVED

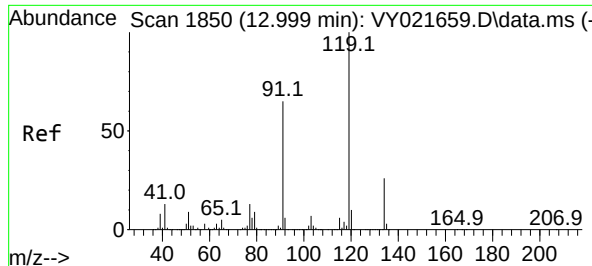
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

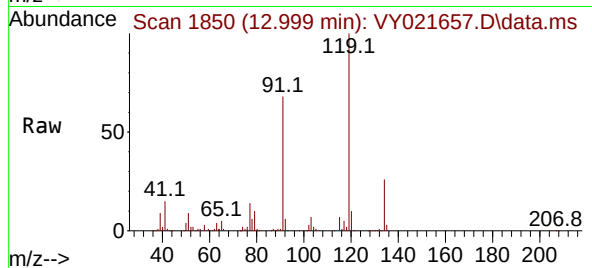
Tgt Ion: 91 Resp: 83484
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83
tert-Butylbenzene
Concen: 9.892 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

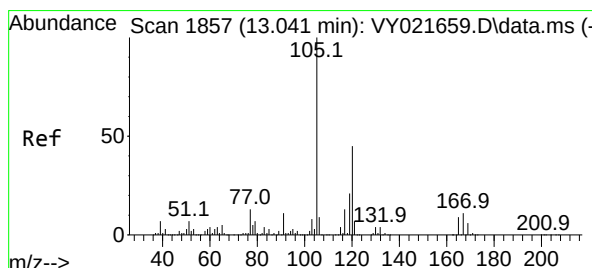
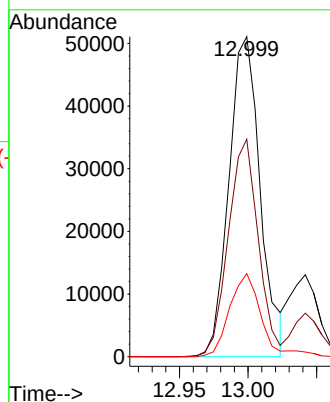
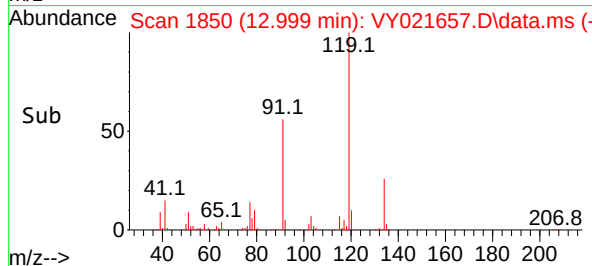
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:119 Resp: 81290
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.2 13.2 39.6

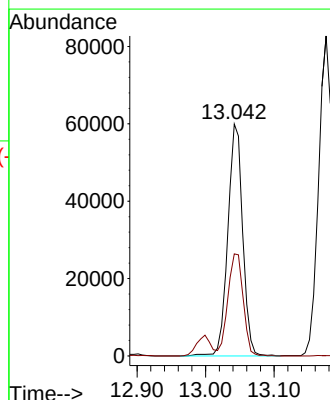
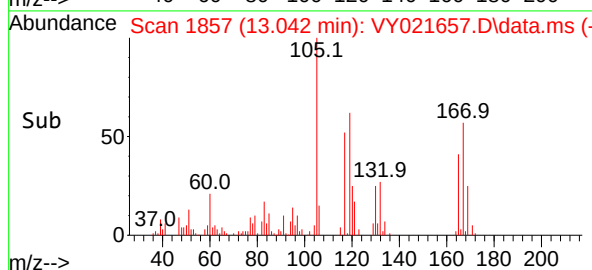
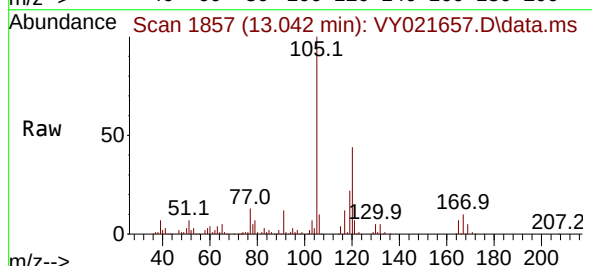
Manual Integrations
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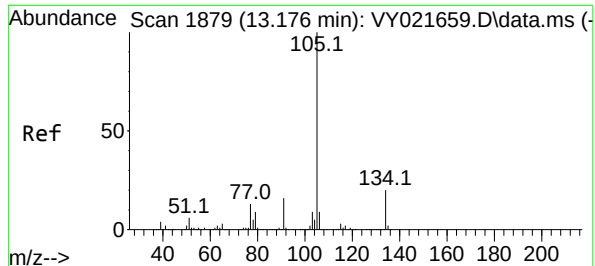
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.884 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 90142
Ion Ratio Lower Upper
105 100
120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 10.122 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 121579

Ion Ratio Lower Upper

105 100

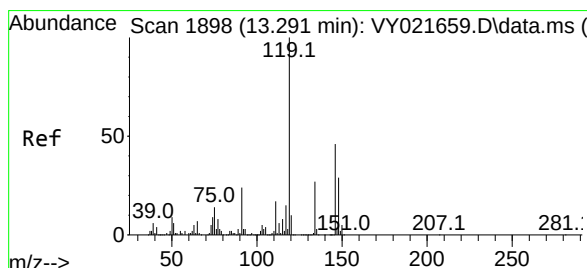
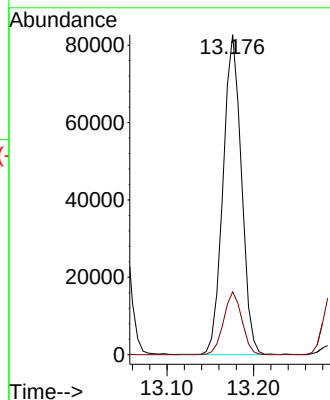
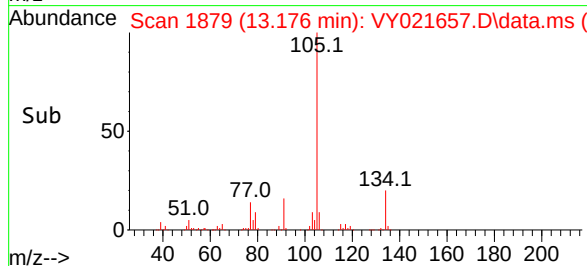
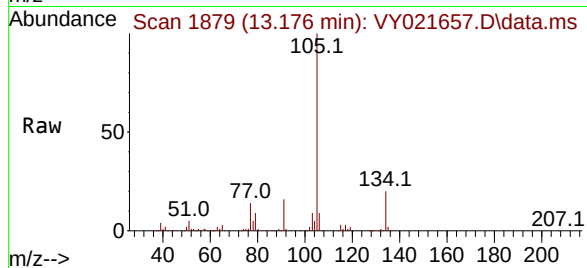
134 19.6 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 9.781 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

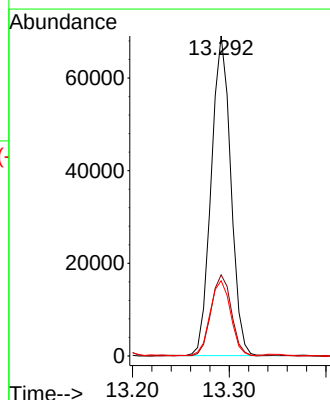
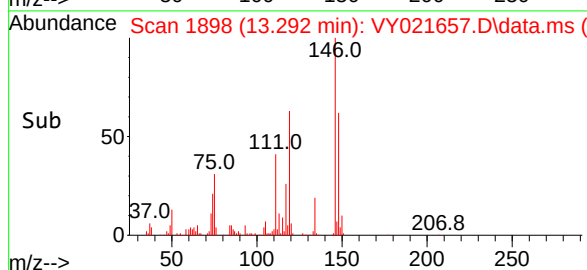
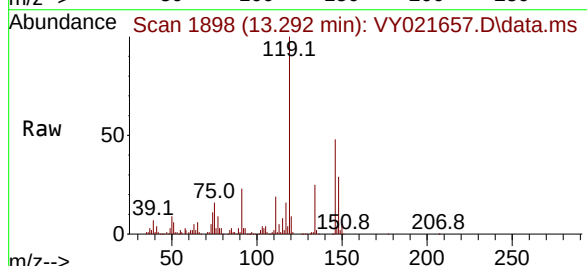
Tgt Ion:119 Resp: 97092

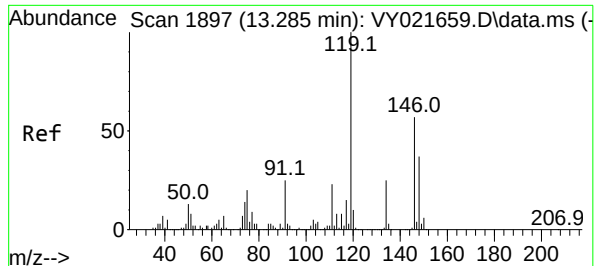
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

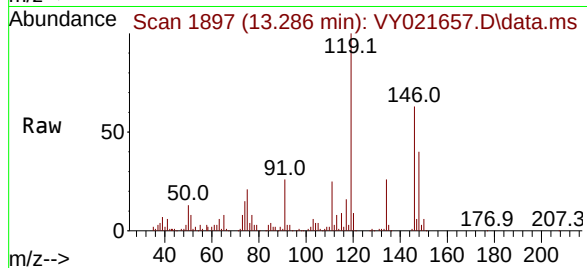
91 24.6 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 10.098 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

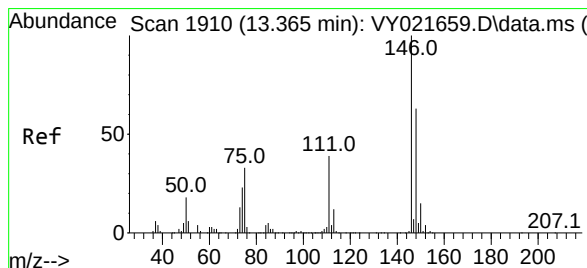
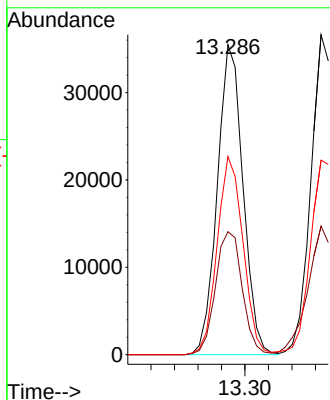
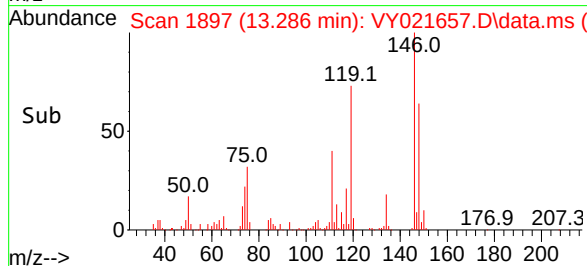
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:146 Resp: 53929
Ion Ratio Lower Upper
146 100
111 41.3 20.0 60.0
148 64.4 31.8 95.4

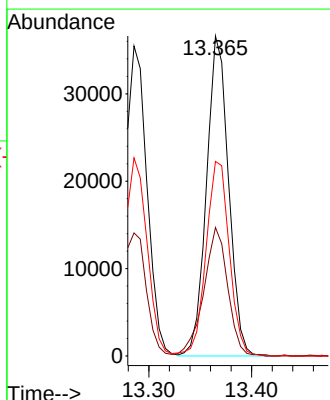
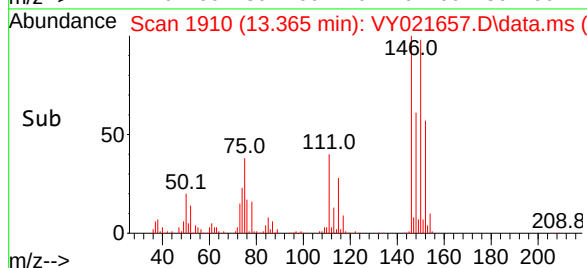
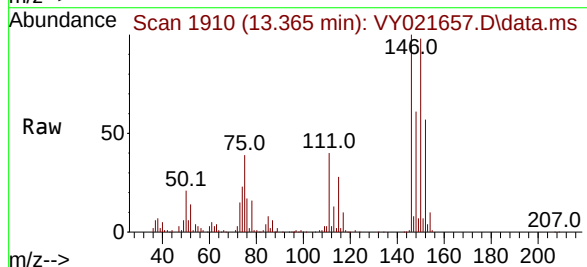
Manual Integrations
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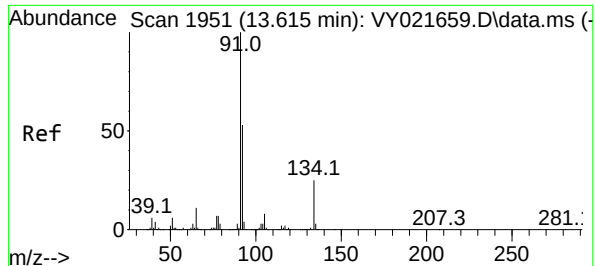
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88
1,4-Dichlorobenzene
Concen: 10.336 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 54536
Ion Ratio Lower Upper
146 100
111 43.6 19.1 57.1
148 64.4 31.5 94.5





#89

n-Butylbenzene

Concen: 9.712 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

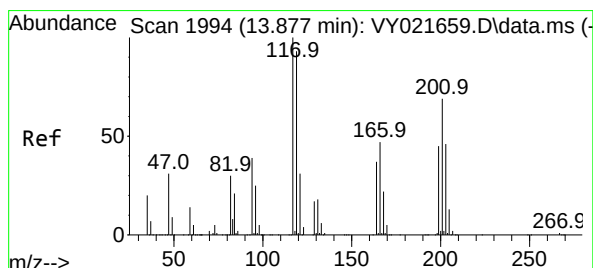
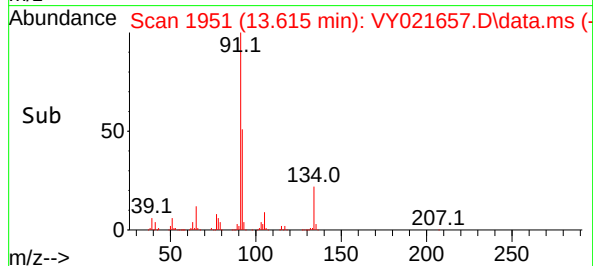
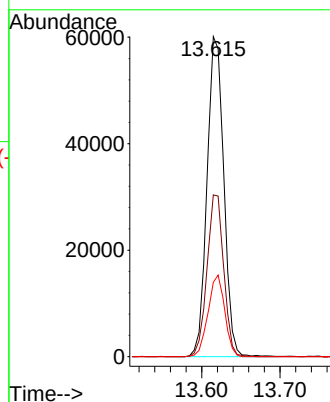
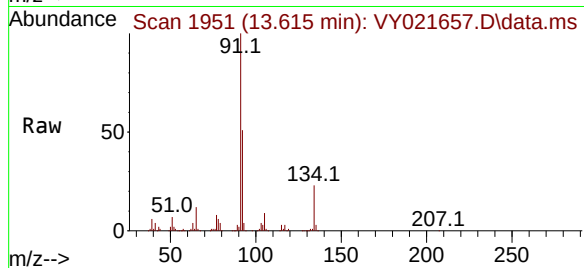
VSTDIC010

Tgt Ion: 91	Resp: 8916
Ion Ratio	Lower Upper
91 100	
92 50.3	26.4 79.2
134 25.4	12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 10.059 ug/l

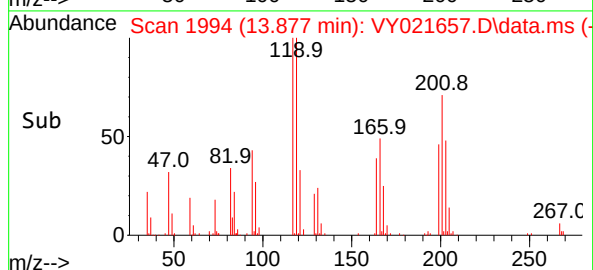
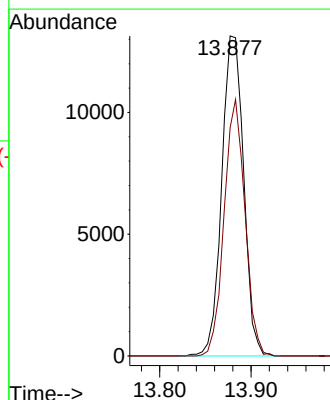
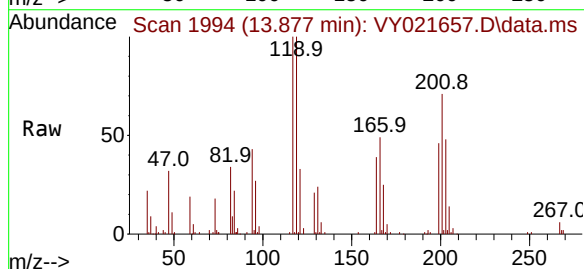
RT: 13.877 min Scan# 1994

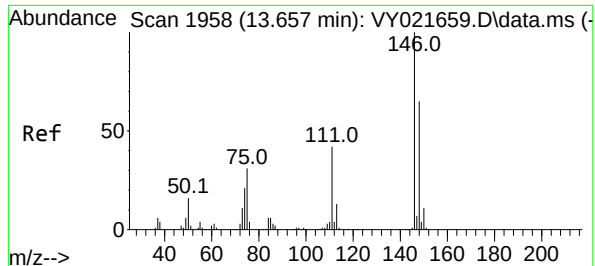
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:117	Resp: 21881
Ion Ratio	Lower Upper
117 100	
201 76.5	37.4 112.1





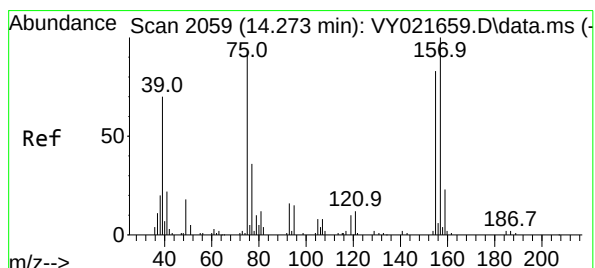
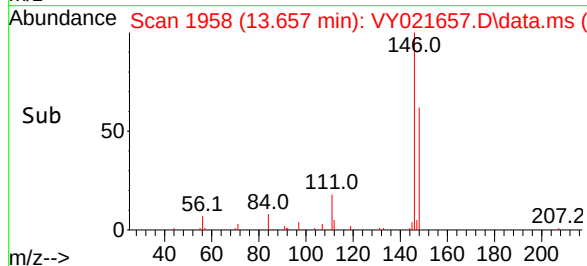
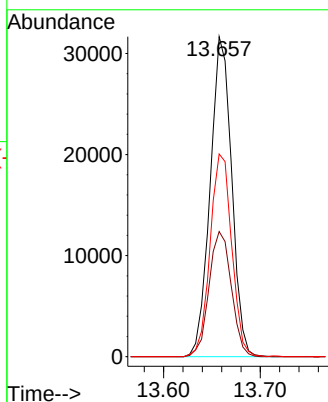
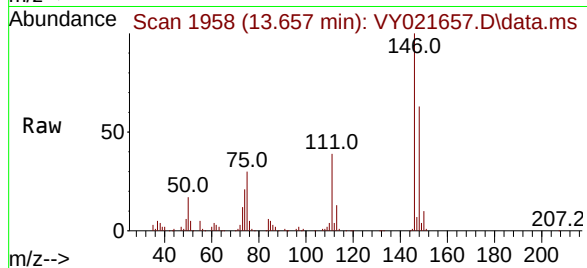
#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:146 Resp: 4884
Ion Ratio Lower Upper
146 100
111 40.6 20.7 62.1
148 63.8 32.3 96.9

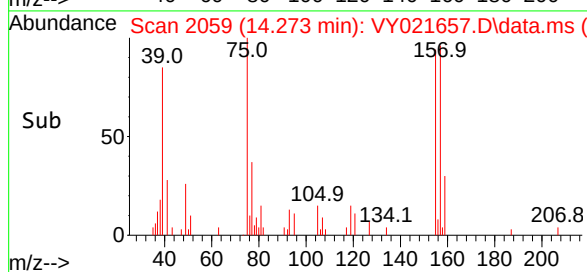
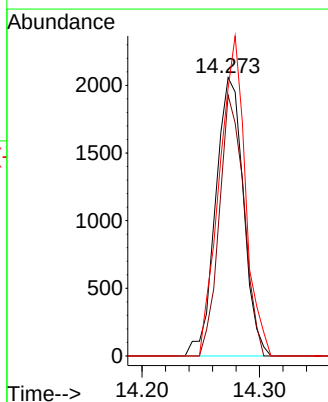
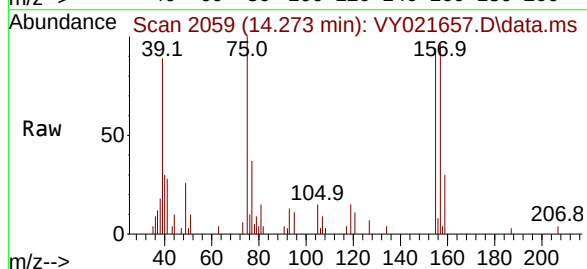
Manual Integrations
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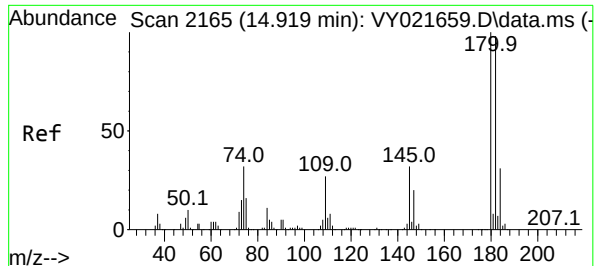
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
155 82.8 43.0 128.8
157 107.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 9.419 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

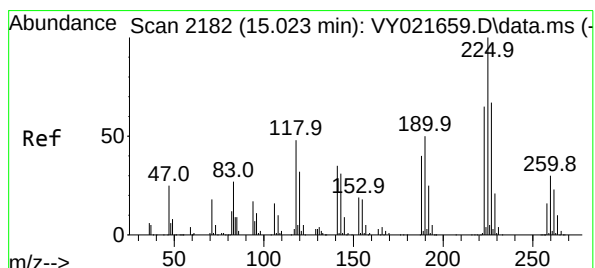
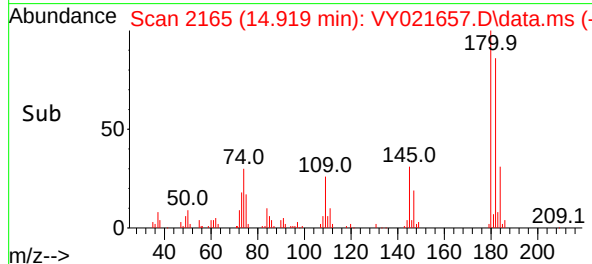
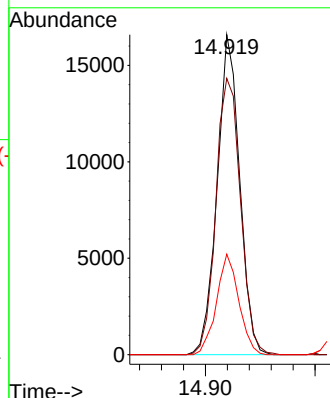
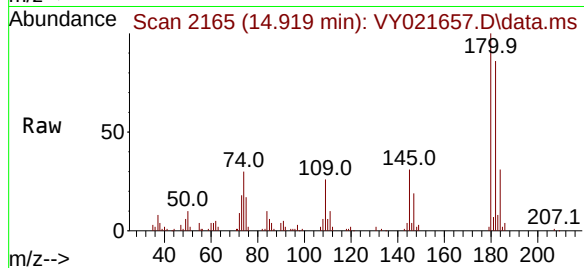
VSTDIC010

Tgt Ion:	180	Resp:	2374
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.5	142.6
145	31.1	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

Concen: 10.063 ug/l

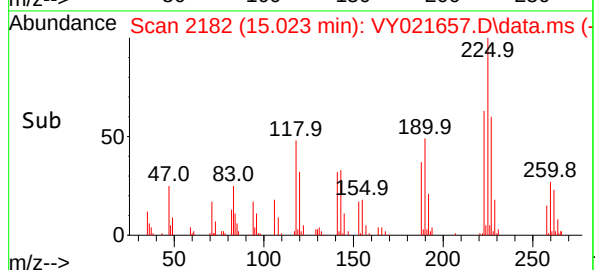
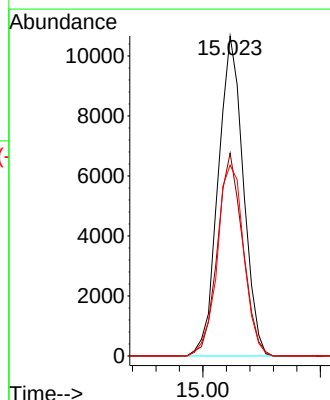
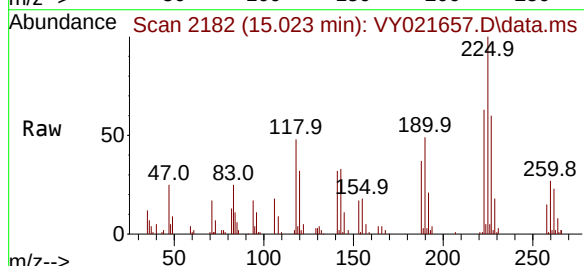
RT: 15.023 min Scan# 2182

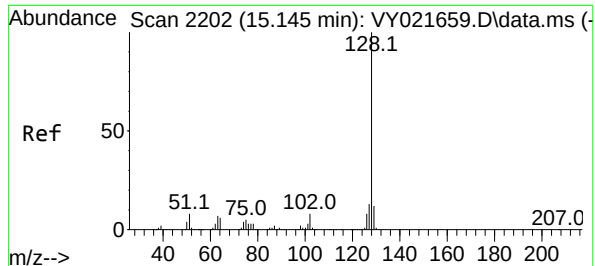
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	225	Resp:	15844
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.9	95.7
227	63.0	32.4	97.0





#95

Naphthalene

Concen: 8.785 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

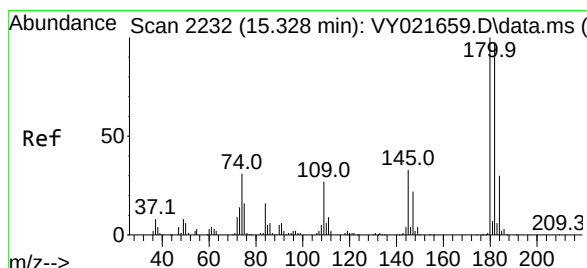
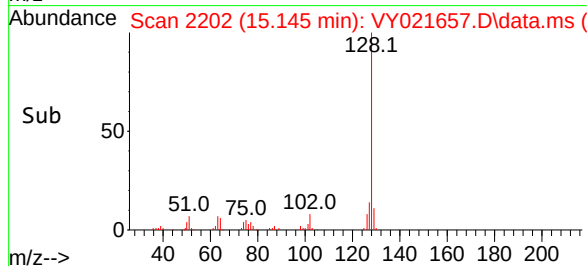
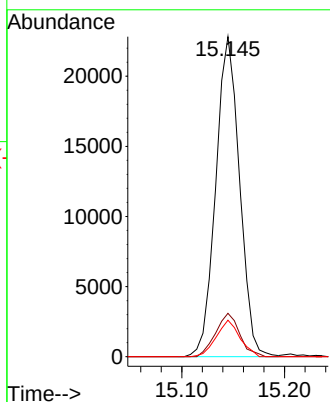
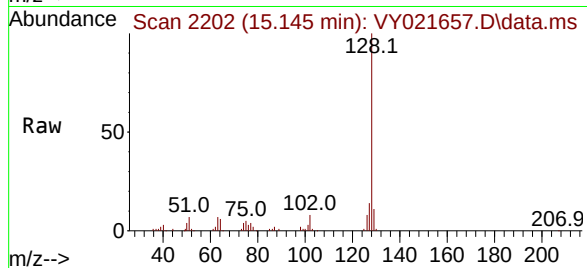
VSTDIC010

Tgt Ion:	128	Resp:	3671
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 9.633 ug/l

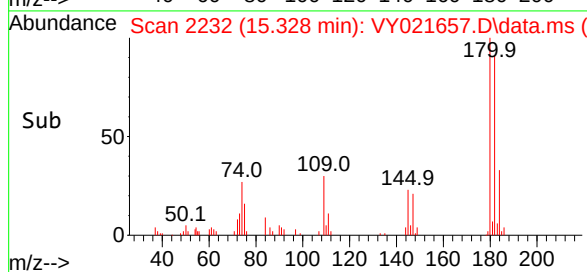
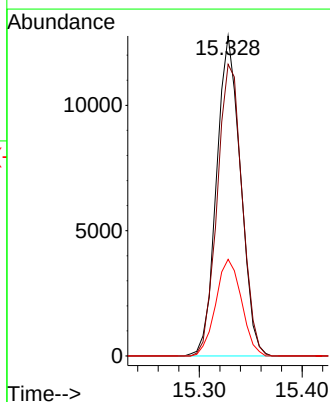
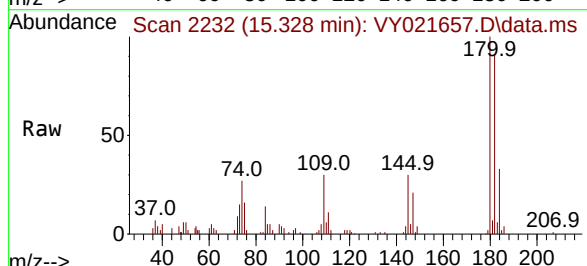
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	180	Resp:	20711
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.5
145	32.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l	99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l #	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l	98
46) Dibromomethane	9.231	93	28698	19.067	ug/l	97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l	99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l	94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l	98
52) Toluene	10.170	92	133126	19.340	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l	98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l	98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l	99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l	97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l	97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l	98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l	98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l	99
69) o-Xylene	11.957	106	87927	19.462	ug/l	98
70) Styrene	11.969	104	147490	19.580	ug/l	99
71) Bromoform	12.133	173	29726	19.706	ug/l #	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l	100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l	
77) Bromobenzene	12.530	156	55776	19.119	ug/l	99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l	100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l	97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l	100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l	99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l	100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l	98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l	99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l	100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l	99
95) Naphthalene	15.145	128	82325	18.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

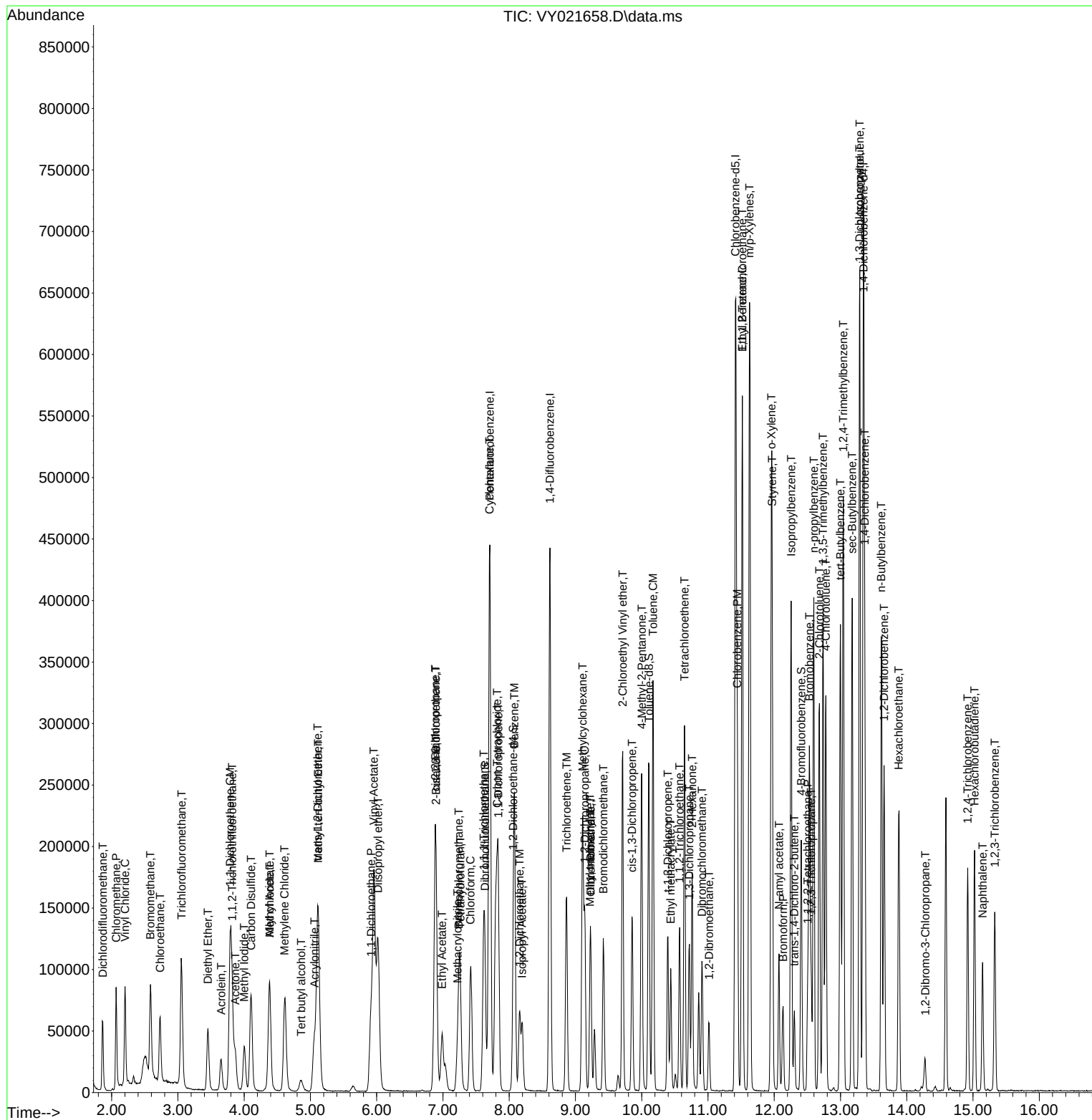
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 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

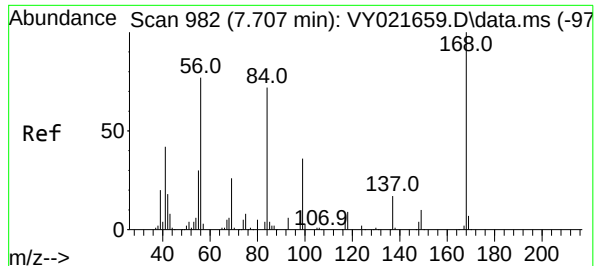
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025





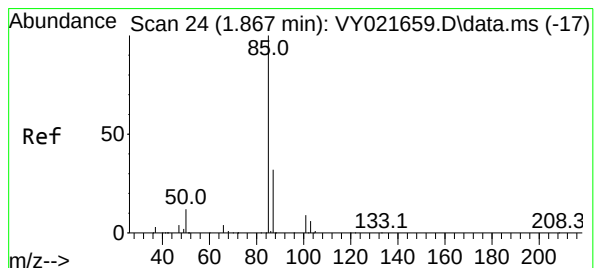
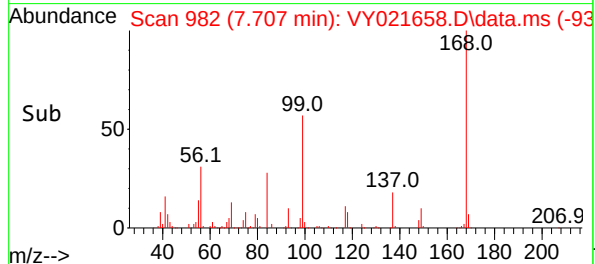
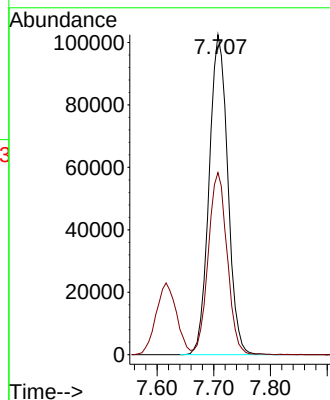
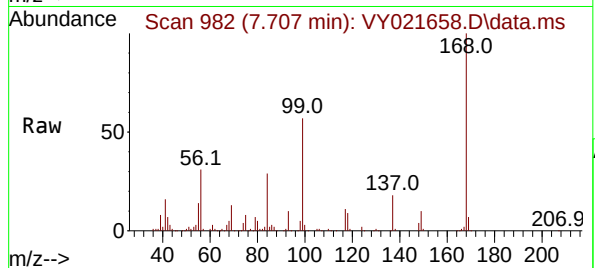
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:168 Resp: 234060
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

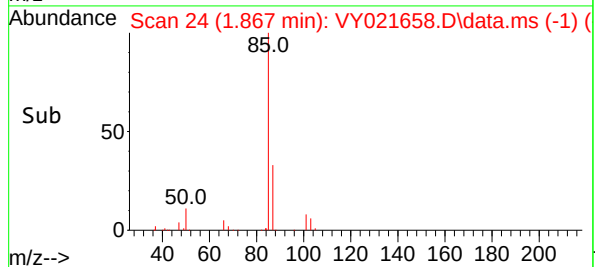
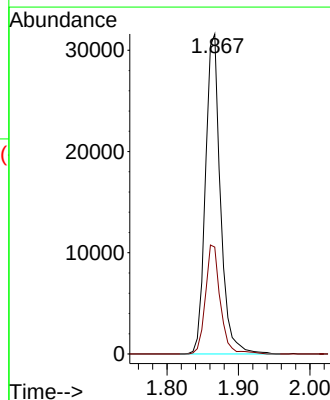
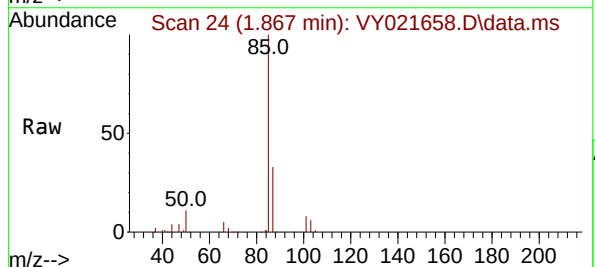
Manual Integrations
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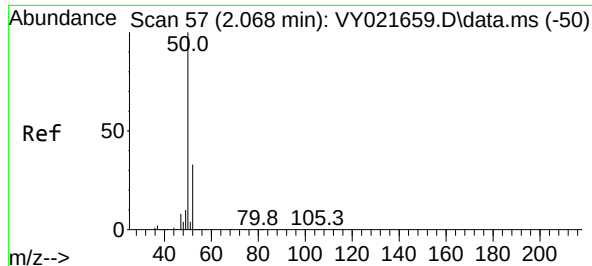
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121
Ion Ratio Lower Upper
85 100
87 33.4 16.2 48.6





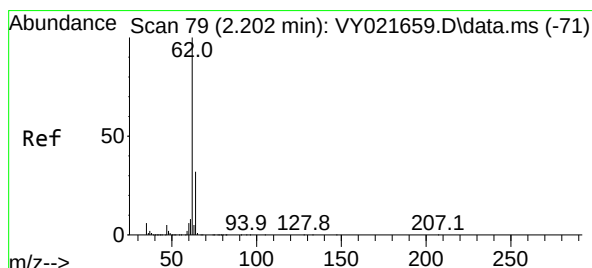
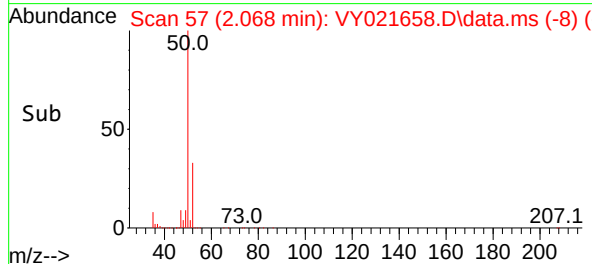
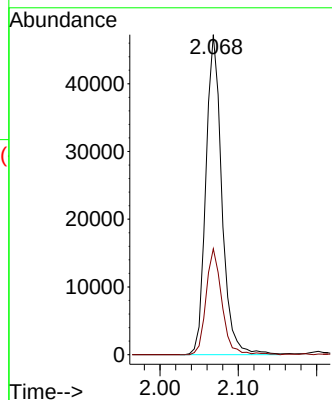
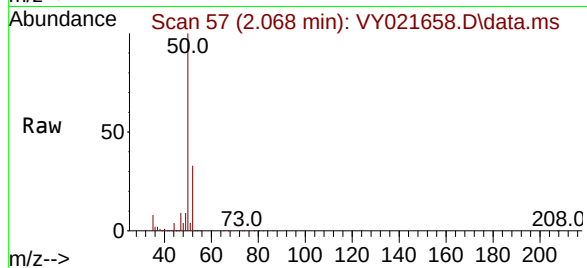
#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 66775
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5

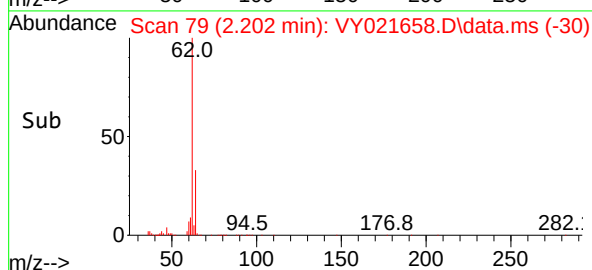
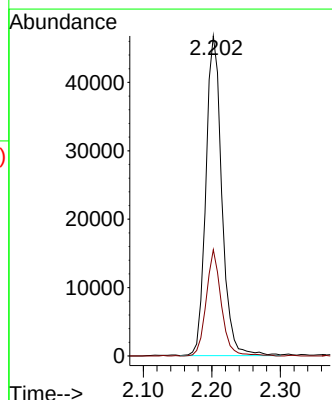
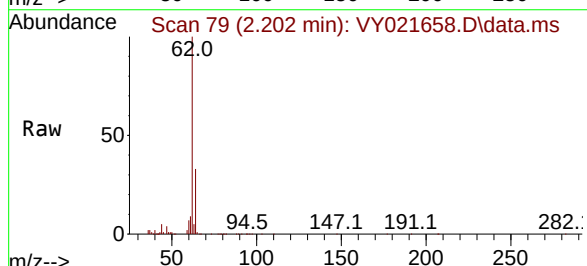
Manual Integrations
APPROVED

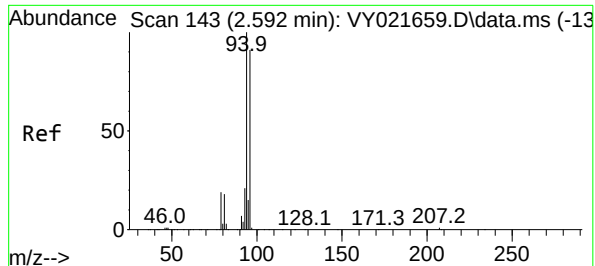
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

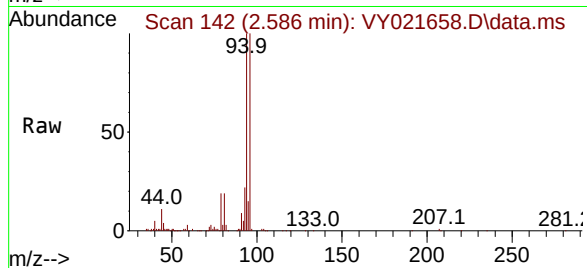
Tgt Ion: 62 Resp: 75860
Ion Ratio Lower Upper
62 100
64 33.2 25.5 38.3





#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

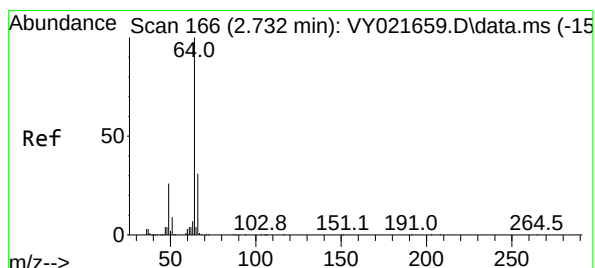
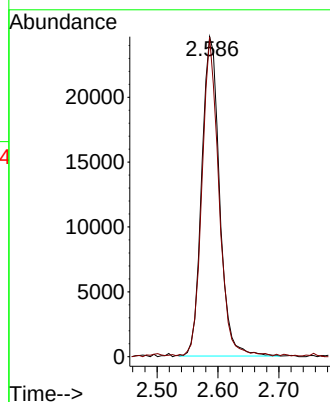
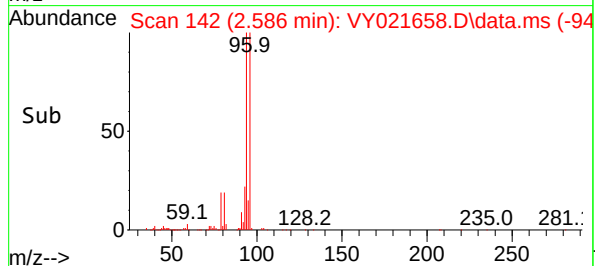
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 94 Resp: 50238
Ion Ratio Lower Upper
94 100
96 99.7 72.8 109.2

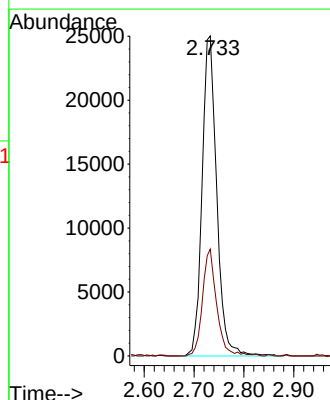
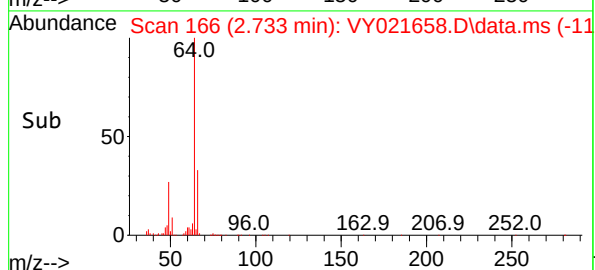
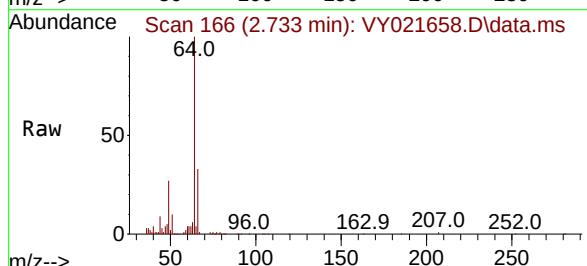
Manual Integrations
APPROVED

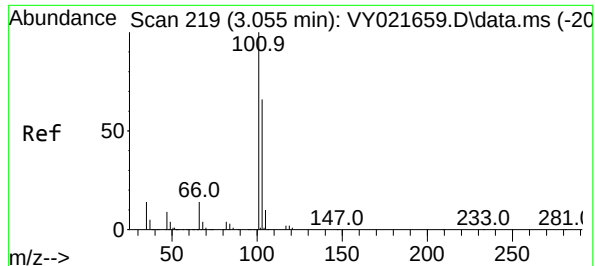
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

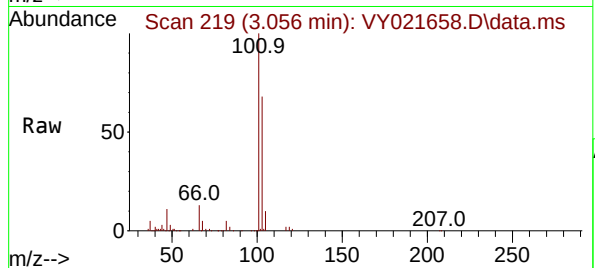
Tgt Ion: 64 Resp: 50953
Ion Ratio Lower Upper
64 100
66 33.4 24.9 37.3





#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

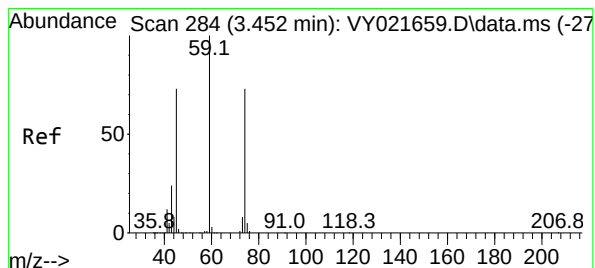
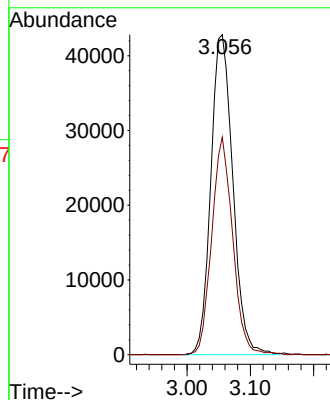
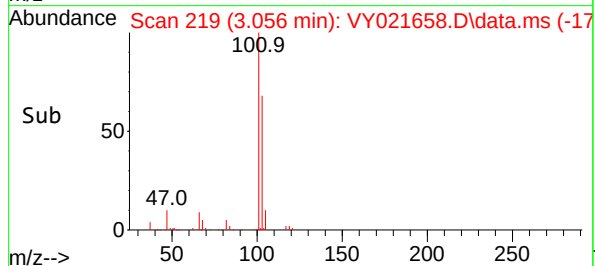
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 103348
Ion Ratio Lower Upper
101 100
103 68.0 53.1 79.7

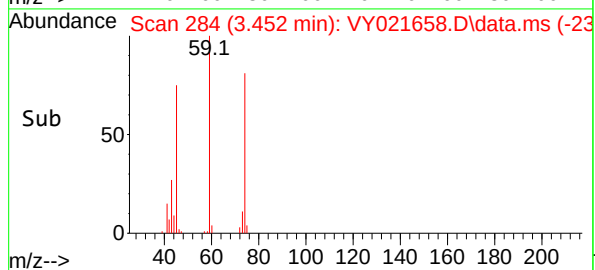
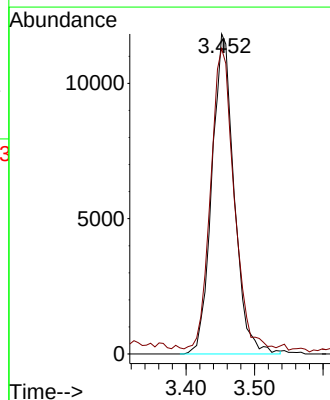
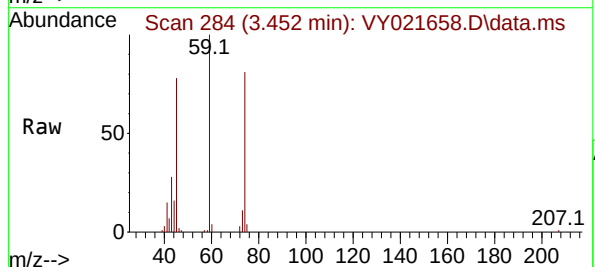
Manual Integrations
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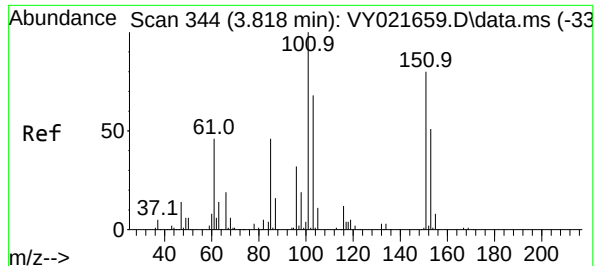
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594
Ion Ratio Lower Upper
74 100
45 98.3 48.6 145.8





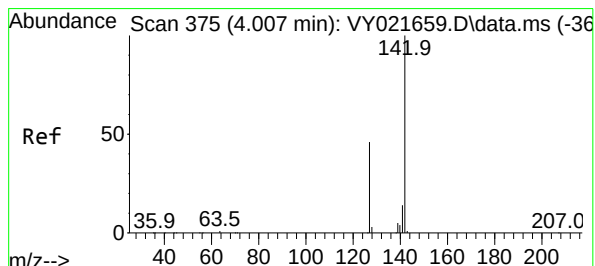
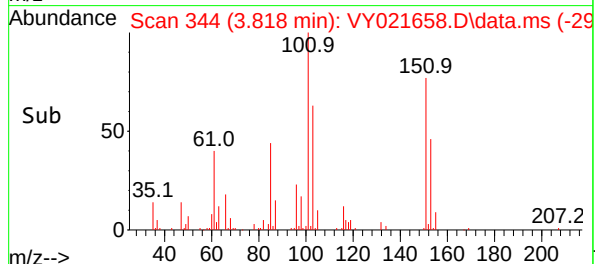
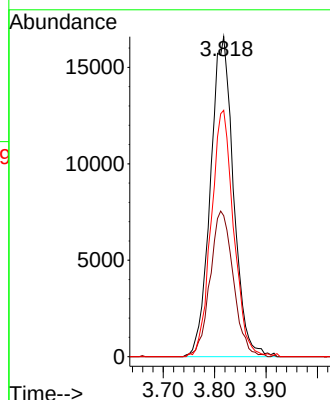
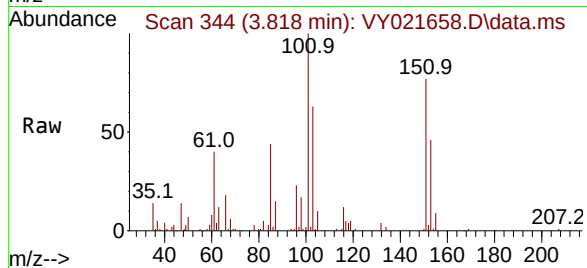
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 51794
Ion Ratio Lower Upper
101 100
85 45.8 36.3 54.5
151 75.2 61.3 91.9

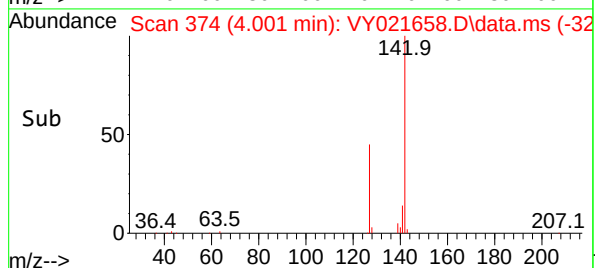
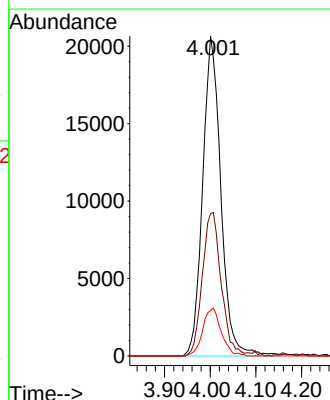
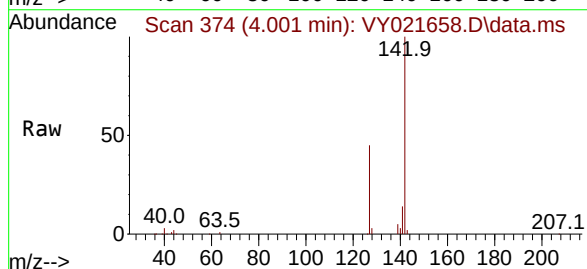
Manual Integrations
APPROVED

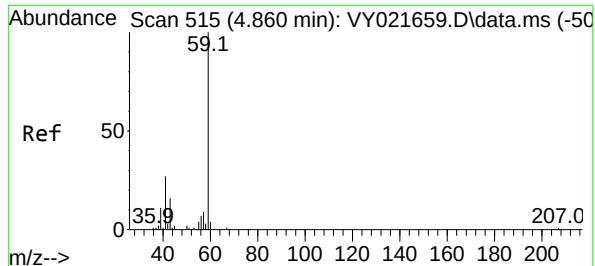
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115
Ion Ratio Lower Upper
142 100
127 46.4 38.7 58.1
141 15.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 97.834 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 1611

Ion Ratio Lower Upper

59 100

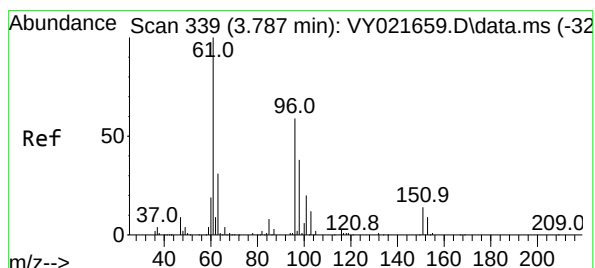
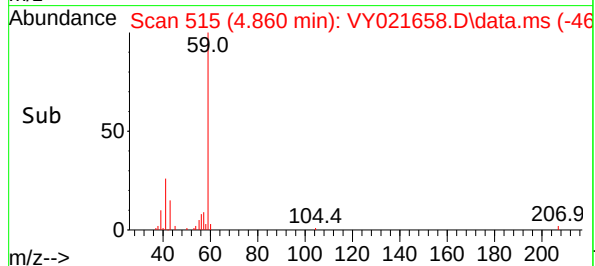
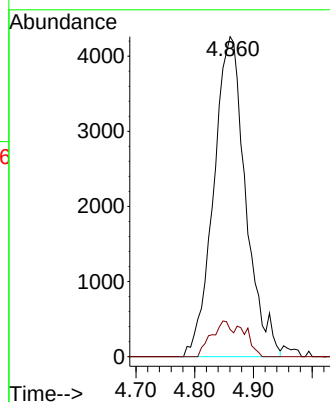
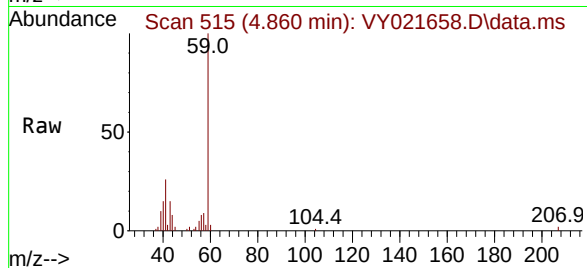
57 7.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 19.362 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

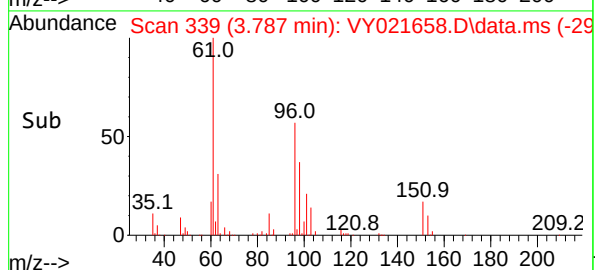
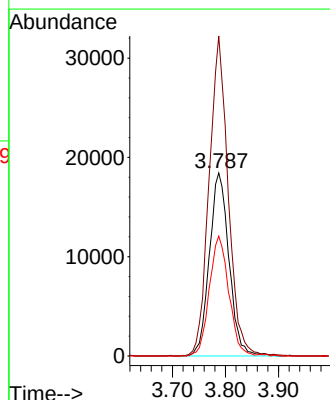
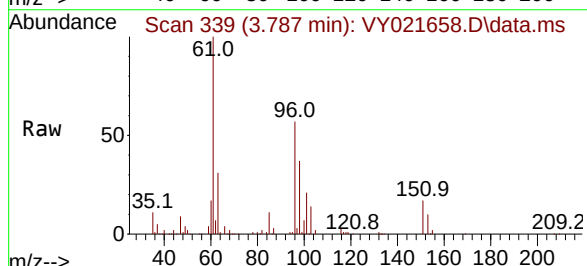
Tgt Ion: 96 Resp: 47534

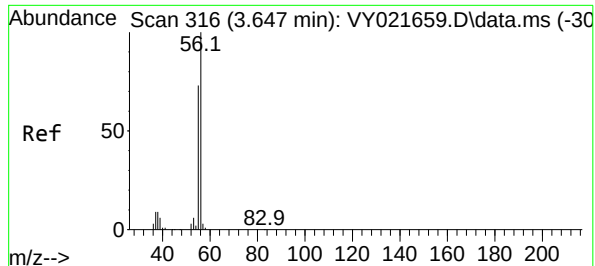
Ion Ratio Lower Upper

96 100

61 174.8 136.6 204.8

98 65.5 52.3 78.5





#13

Acrolein

Concen: 99.170 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 56 Resp: 2982

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0

Instrument :

MSVOA_Y

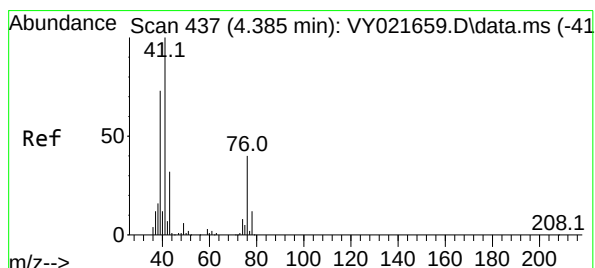
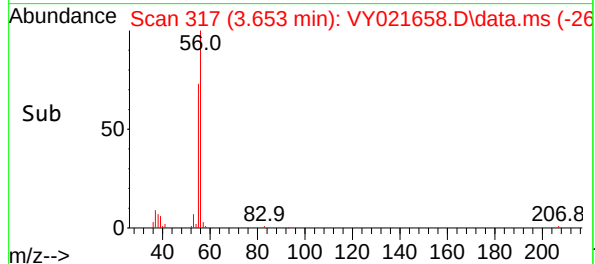
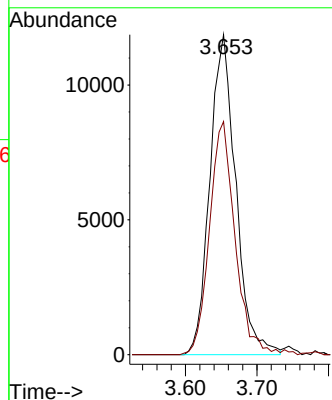
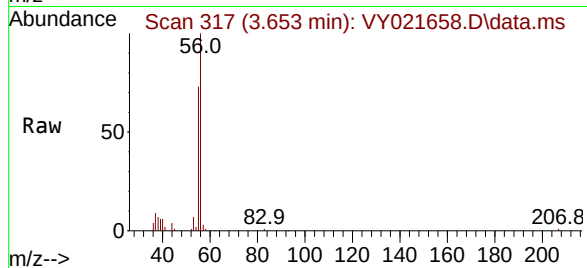
ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

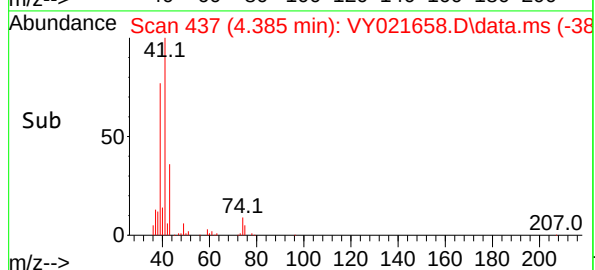
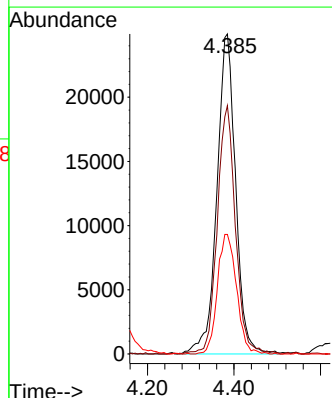
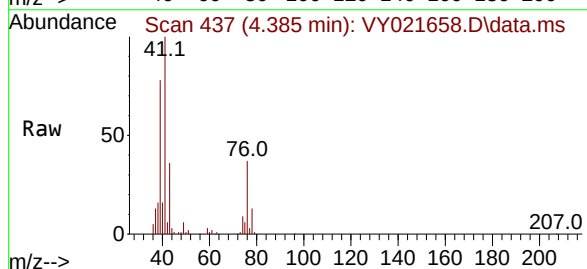
Tgt Ion: 41 Resp: 75169

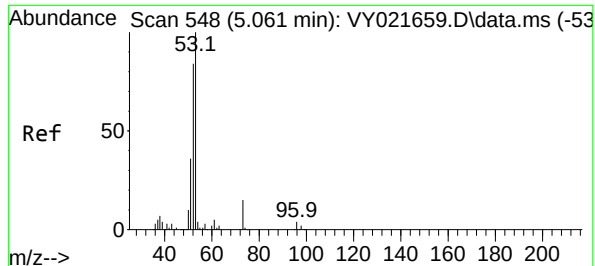
Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

76 38.1 30.3 45.5





#15

Acrylonitrile

Concen: 97.084 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

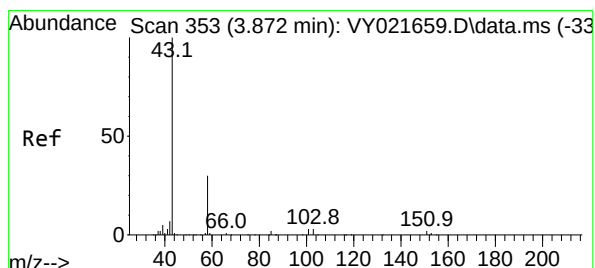
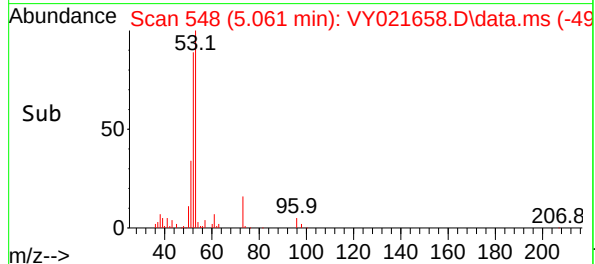
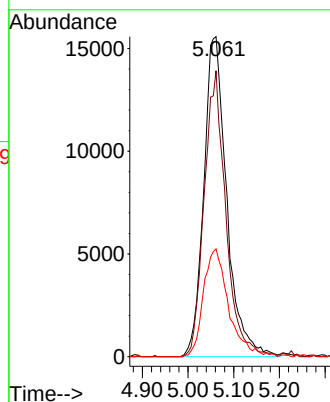
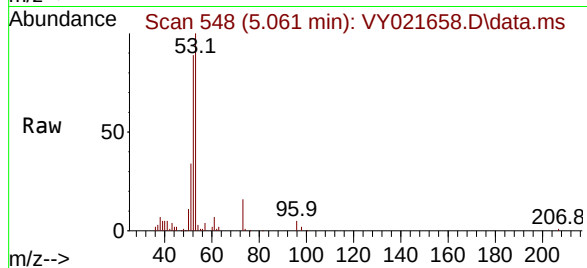
VSTDICC020

Tgt Ion:	53	Resp:	54478
Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 92.073 ug/l

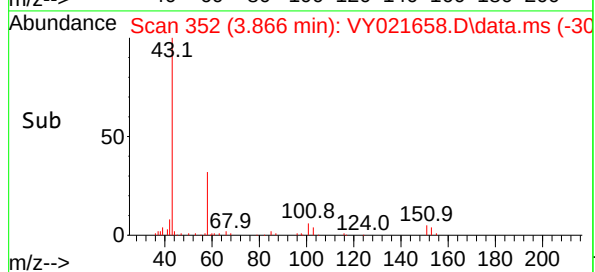
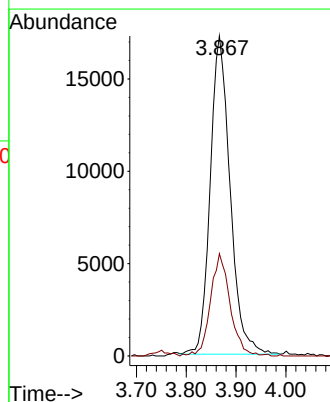
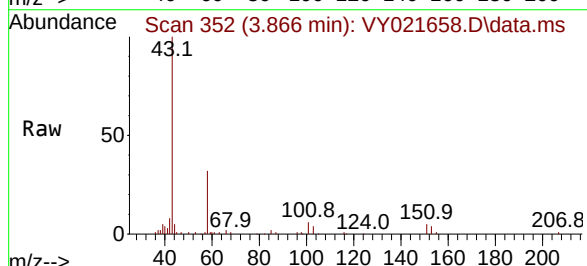
RT: 3.866 min Scan# 352

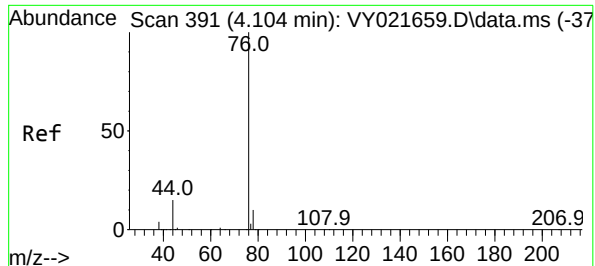
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

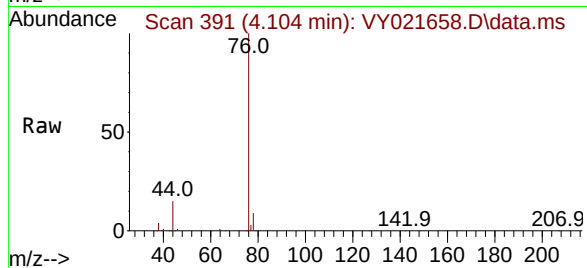
Tgt Ion:	43	Resp:	47787
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

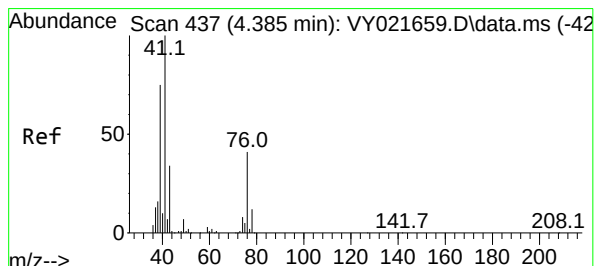
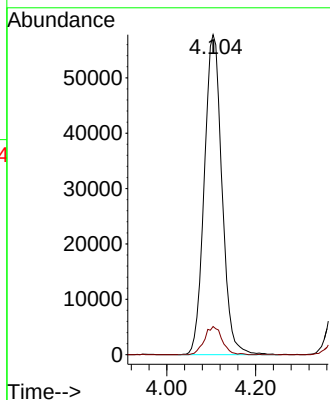
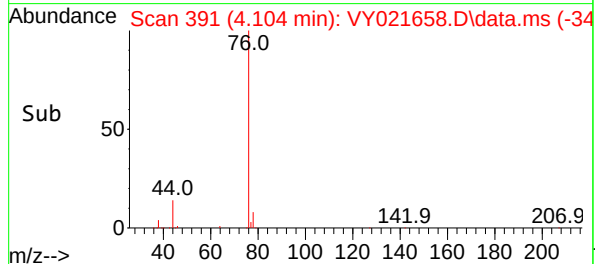
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 159960
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

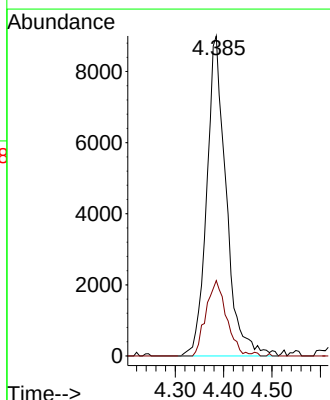
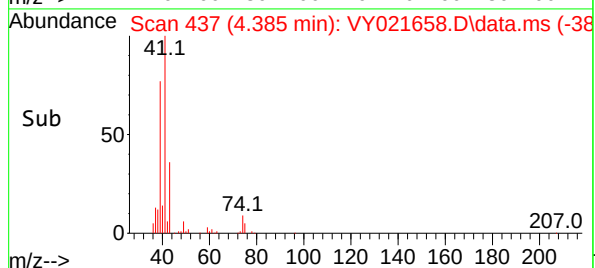
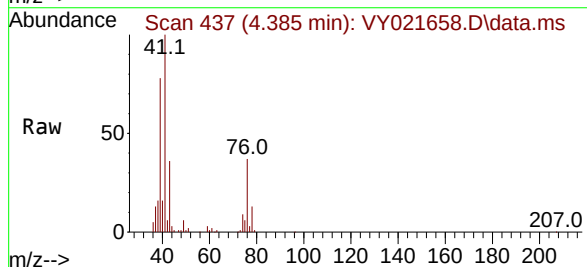
Manual Integrations
APPROVED

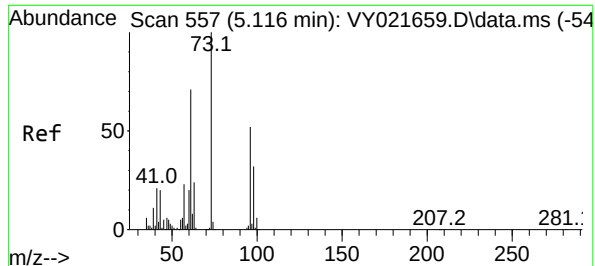
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 19.099 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 116730

Ion Ratio Lower Upper

73 100

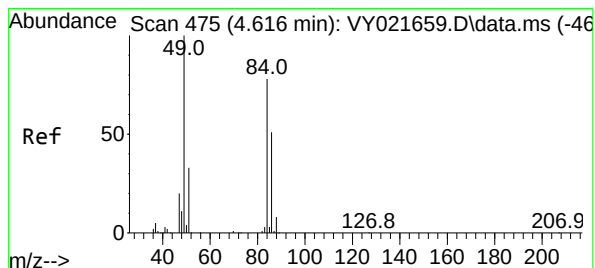
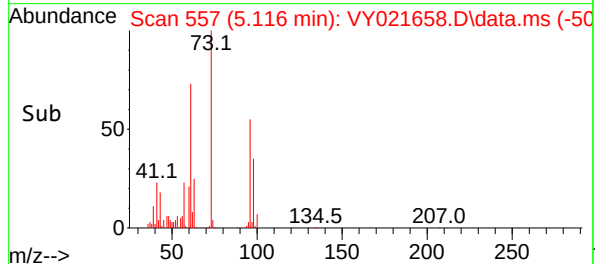
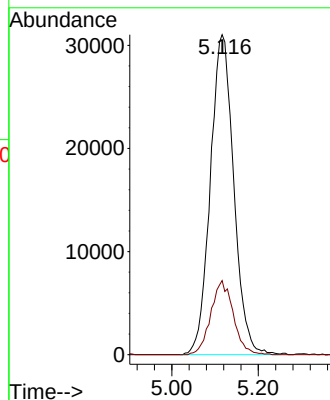
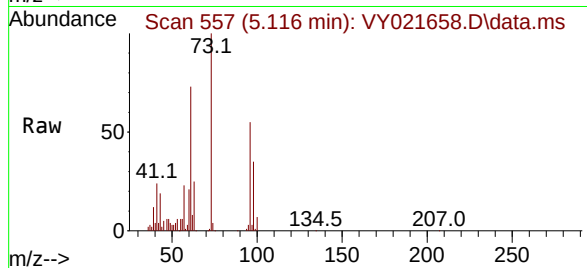
57 23.1 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 19.525 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

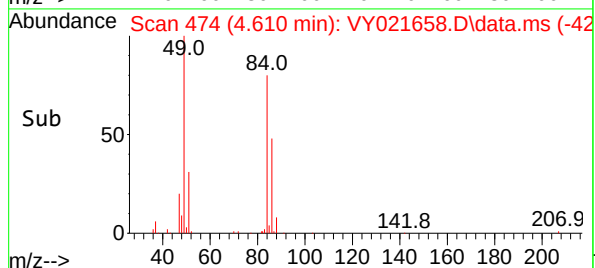
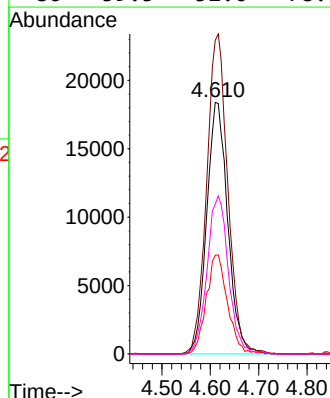
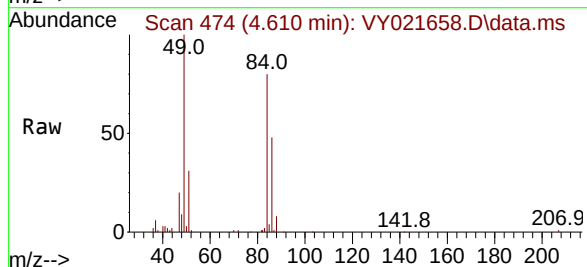
Ion Ratio Lower Upper

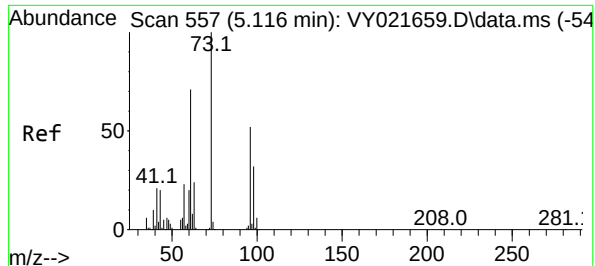
84 100

49 124.6 102.8 154.2

51 39.2 33.5 50.3

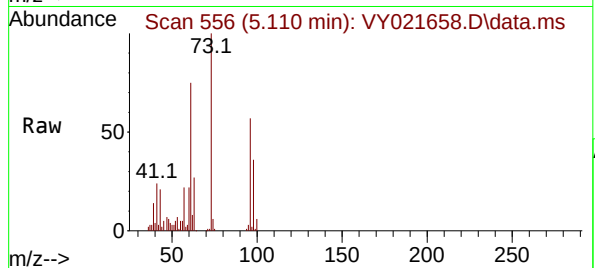
86 59.5 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

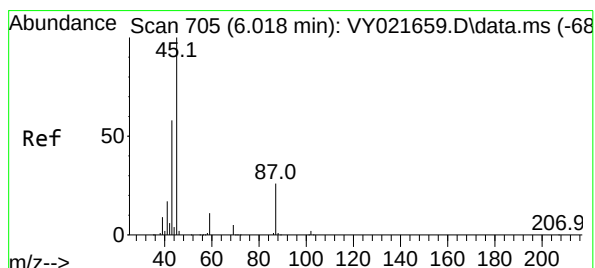
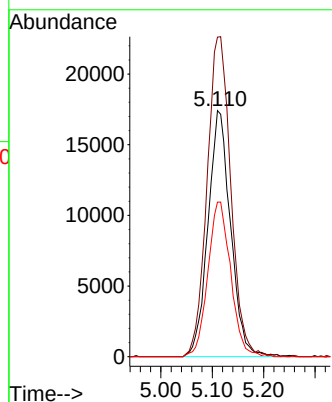
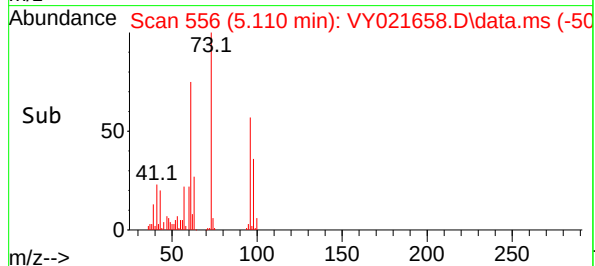
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 53188
Ion Ratio Lower Upper
96 100
61 129.9 109.4 164.0
98 62.8 50.2 75.2

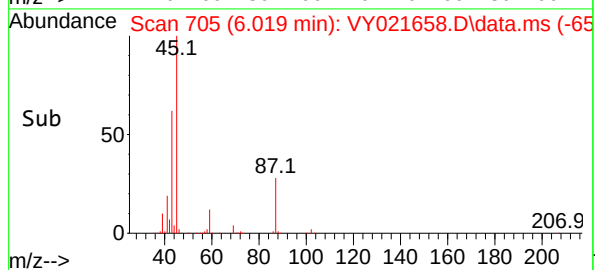
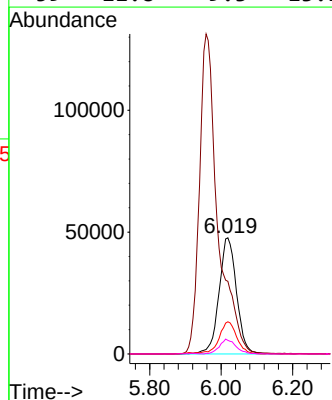
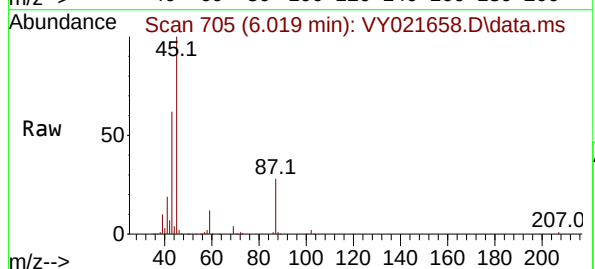
Manual Integrations
APPROVED

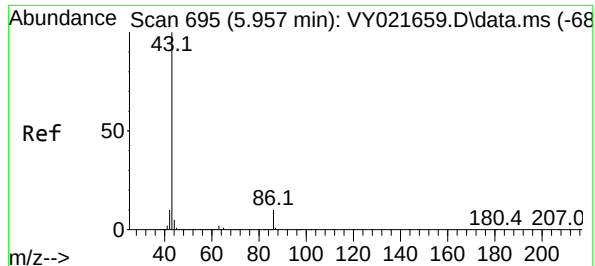
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151
Ion Ratio Lower Upper
45 100
43 62.4 46.6 69.8
87 27.7 20.7 31.1
59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 97.433 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 46803

Ion Ratio Lower Upper

43 100

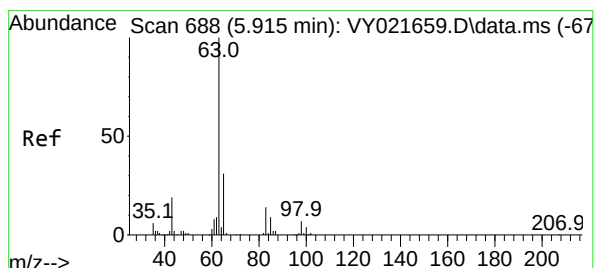
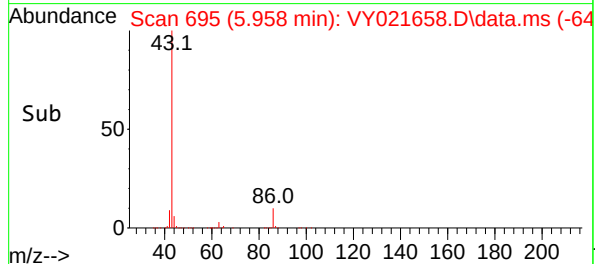
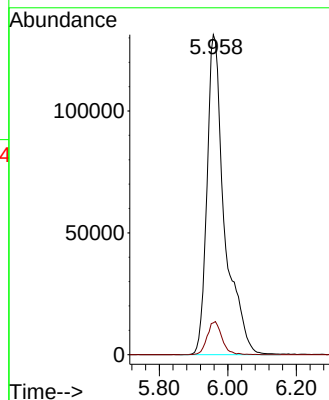
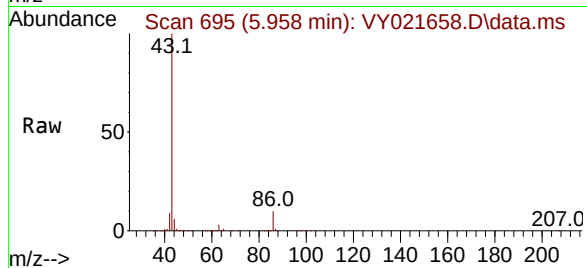
86 9.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 19.520 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

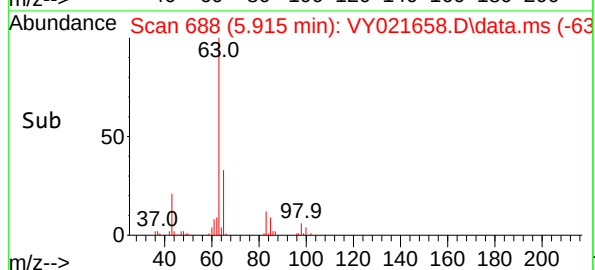
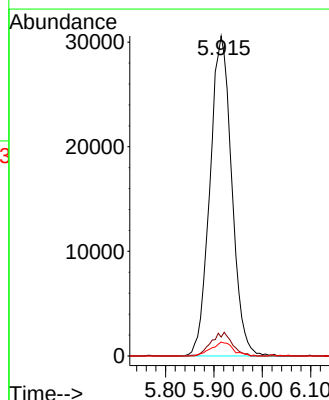
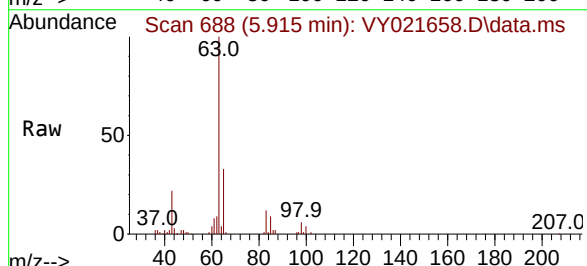
Tgt Ion: 63 Resp: 95841

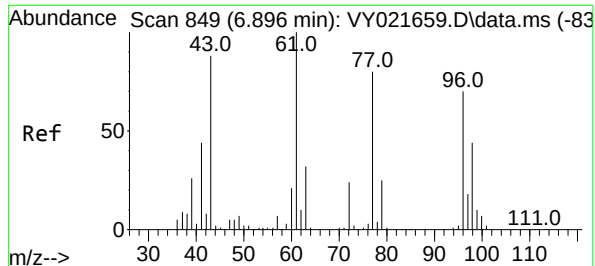
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 94.233 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 6985

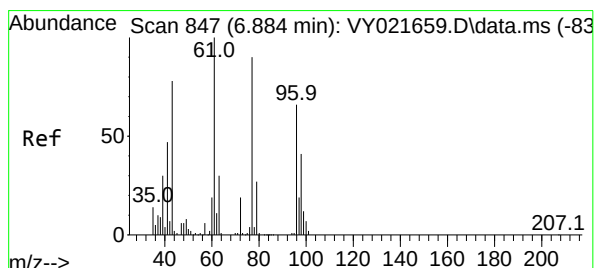
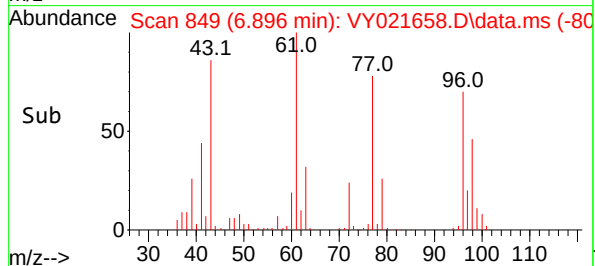
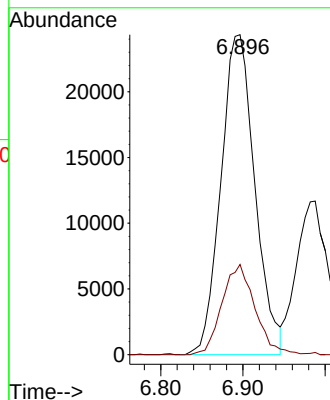
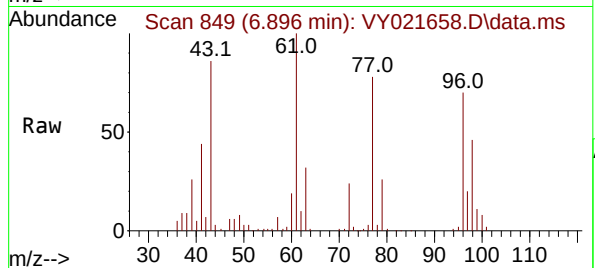
Ion Ratio Lower Upper

43 100

72 28.2 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#26

2,2-Dichloropropane

Concen: 19.217 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021658.D

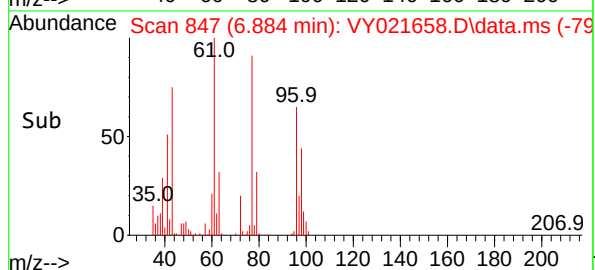
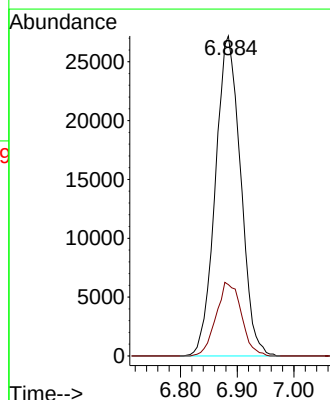
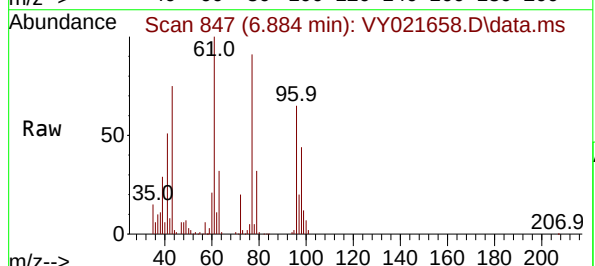
Acq: 27 Mar 2025 10:54

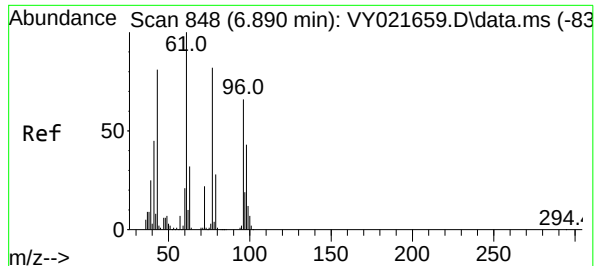
Tgt Ion: 77 Resp: 83932

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.266 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 5856

Ion Ratio Lower Upper

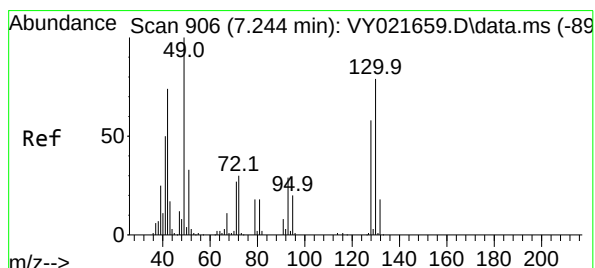
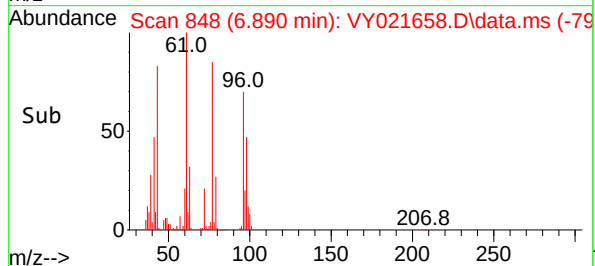
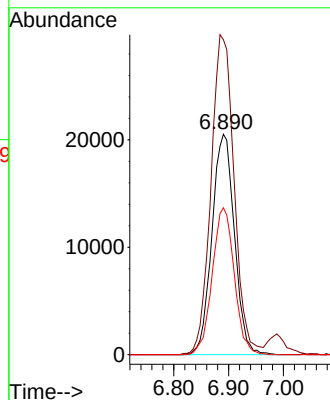
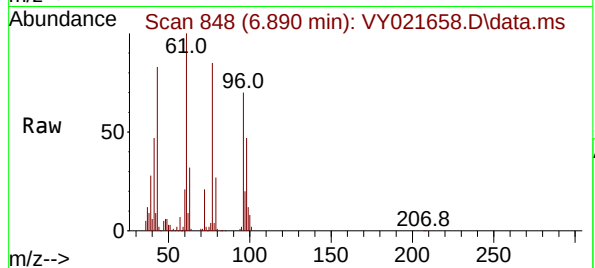
96 100

61 149.2 0.0 296.4

98 65.3 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#28

Bromochloromethane

Concen: 19.149 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

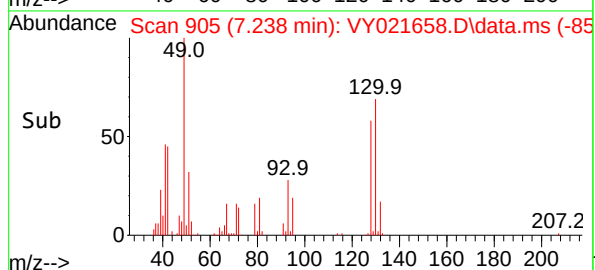
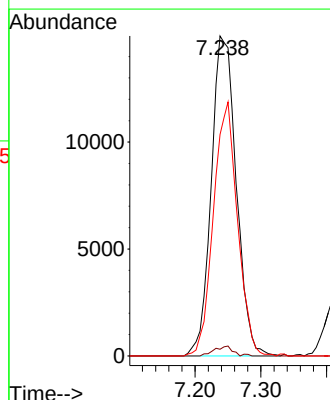
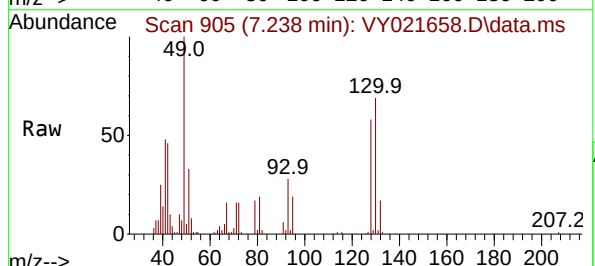
Tgt Ion: 49 Resp: 39653

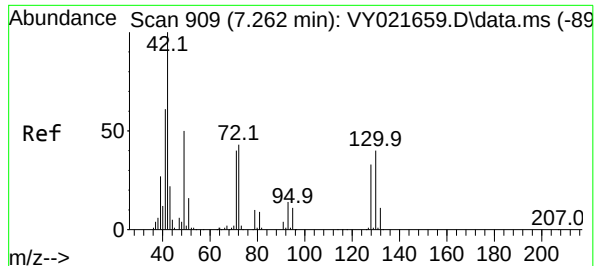
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 94.626 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

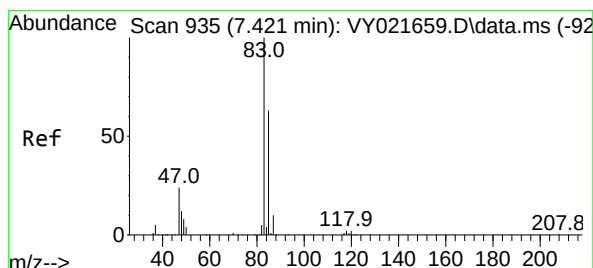
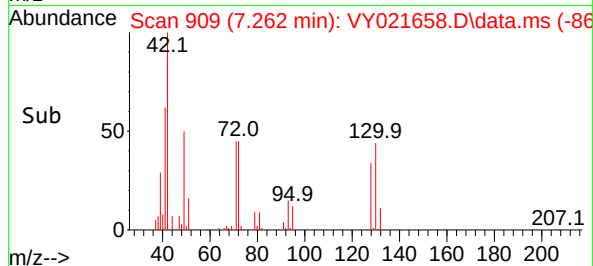
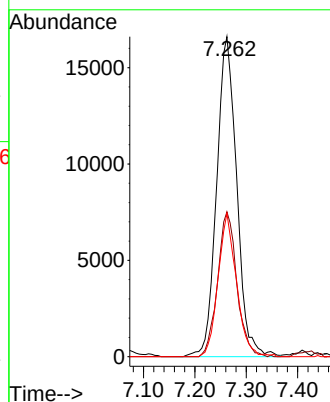
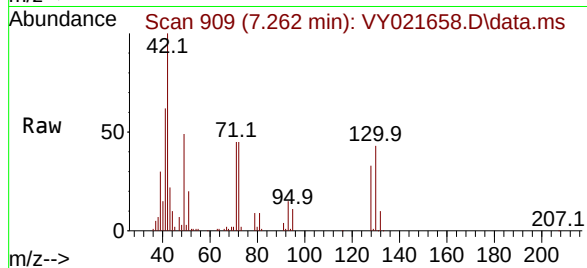
VSTDIC020

Tgt Ion:	42	Resp:	4514
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 19.462 ug/l

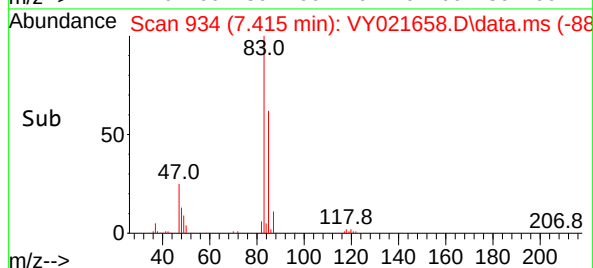
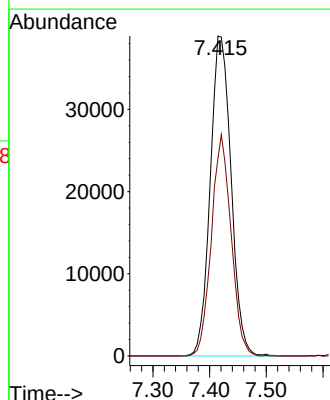
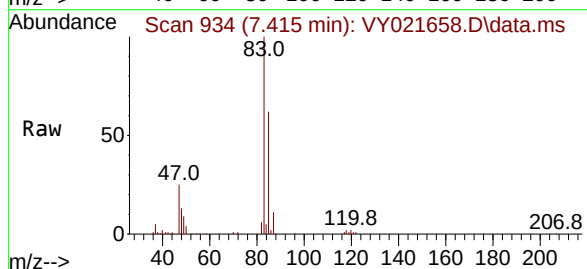
RT: 7.415 min Scan# 934

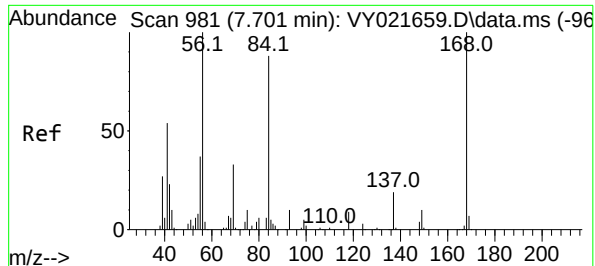
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	83	Resp:	99390
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8





#31

Cyclohexane

Concen: 19.075 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 8537

Ion Ratio Lower Upper

56 100

69 39.3 26.6 40.0

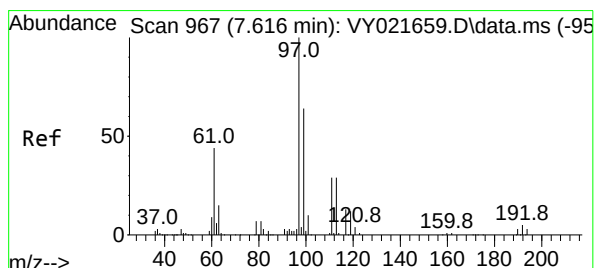
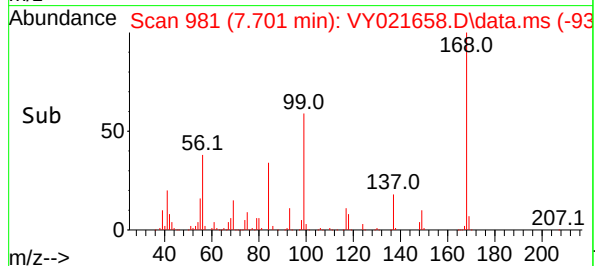
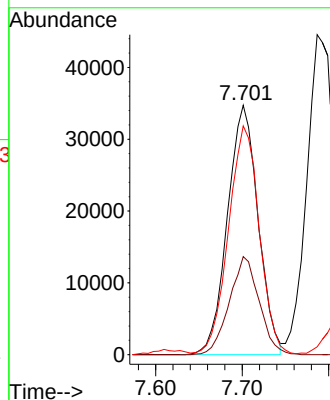
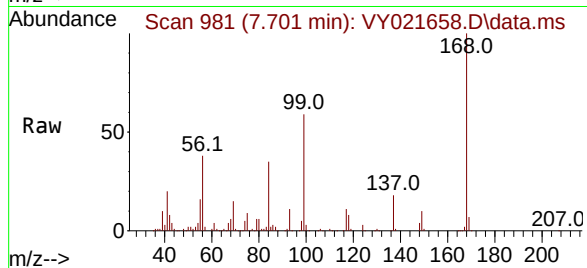
84 90.0 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 19.459 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

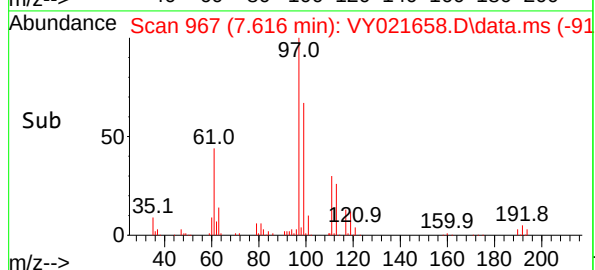
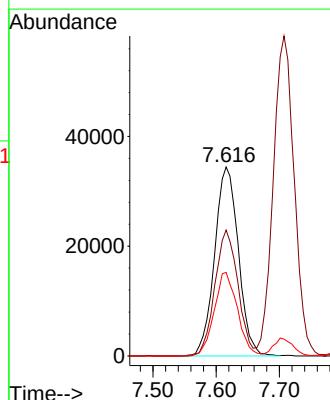
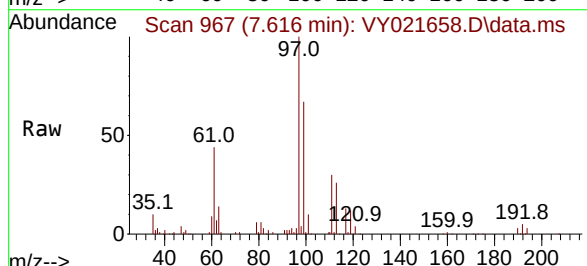
Tgt Ion: 97 Resp: 89818

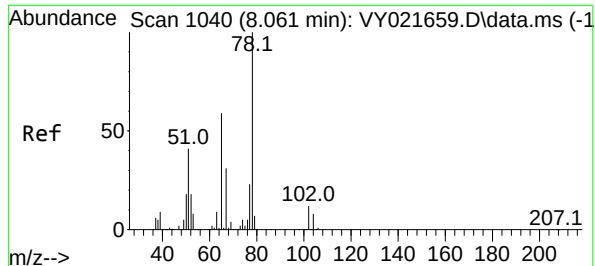
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 18.542 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 4702

Ion Ratio Lower Upper

65 100

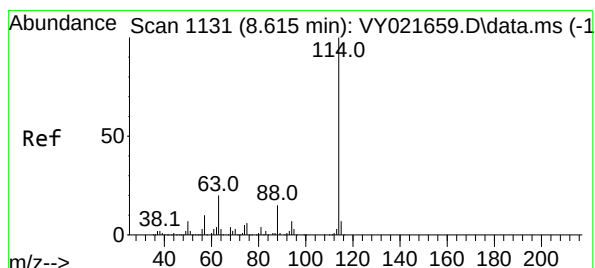
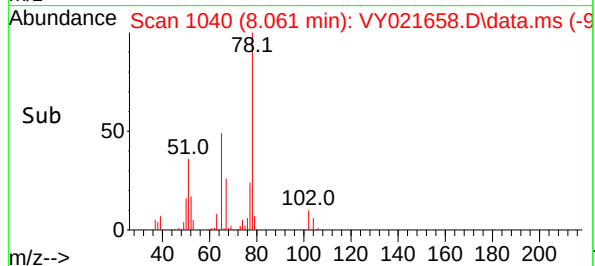
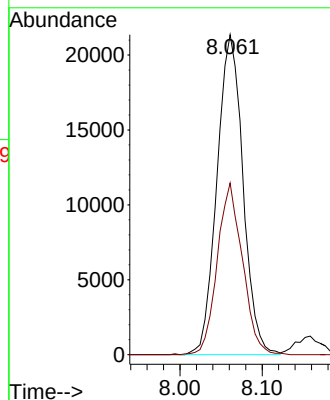
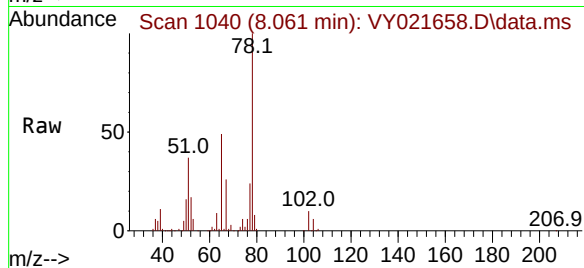
67 51.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

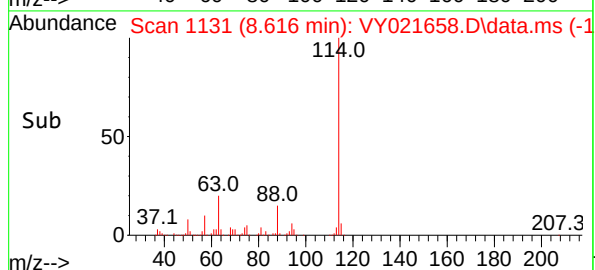
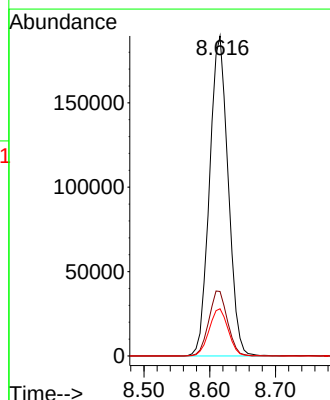
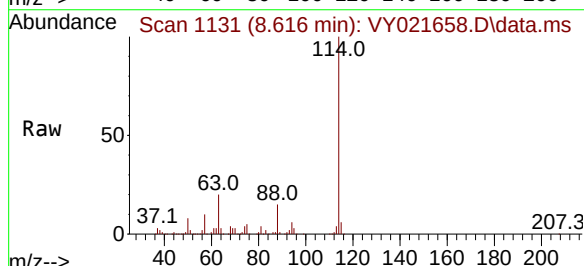
Tgt Ion:114 Resp: 372865

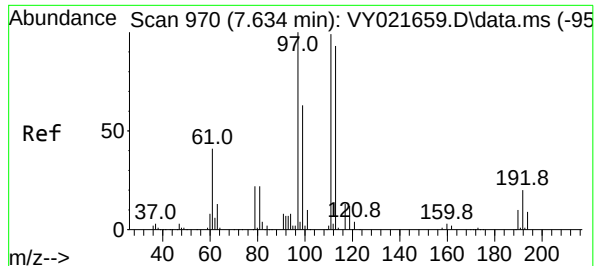
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 17.910 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 43318

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

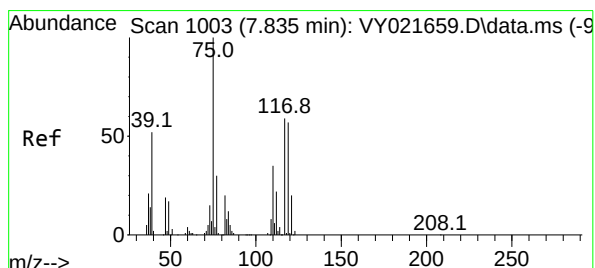
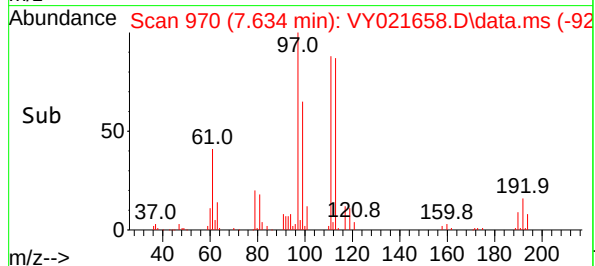
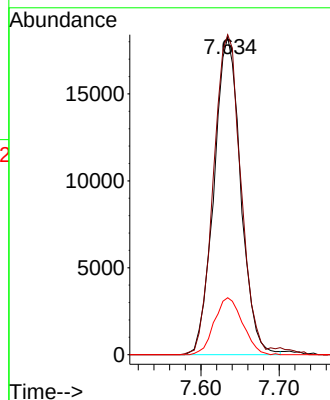
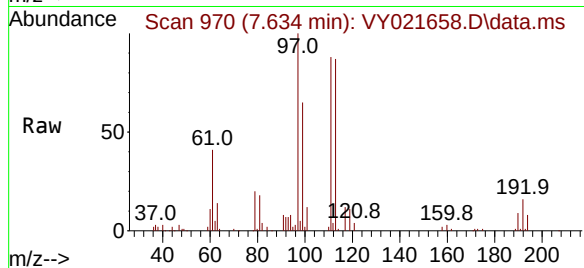
192 19.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 19.697 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

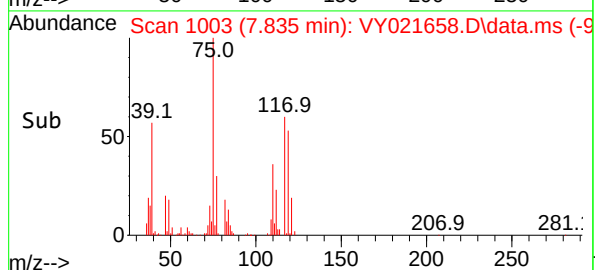
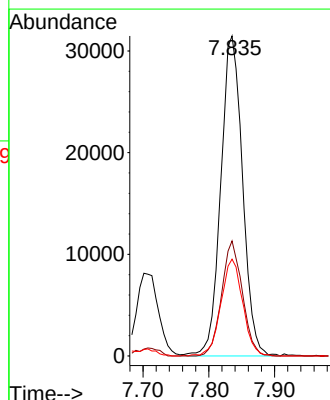
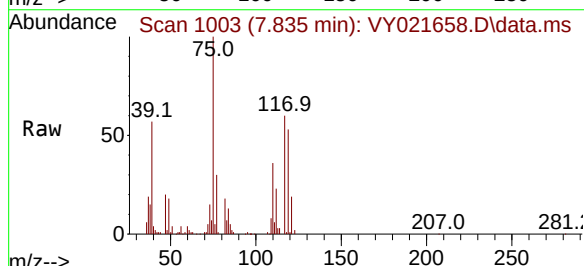
Tgt Ion: 75 Resp: 72566

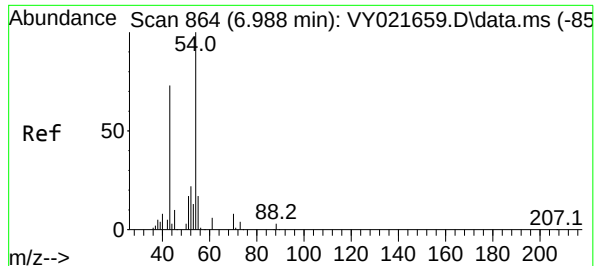
Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

77 30.3 24.8 37.2





#37

Ethyl Acetate

Concen: 18.585 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 3231

Ion Ratio Lower Upper

43 100

61 12.1 11.0 16.6

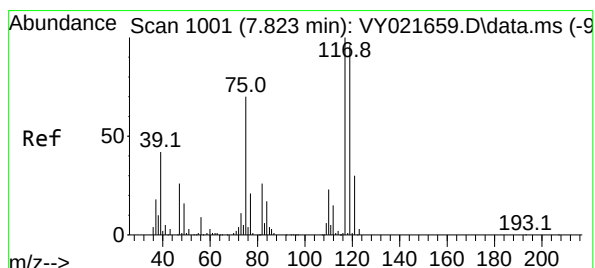
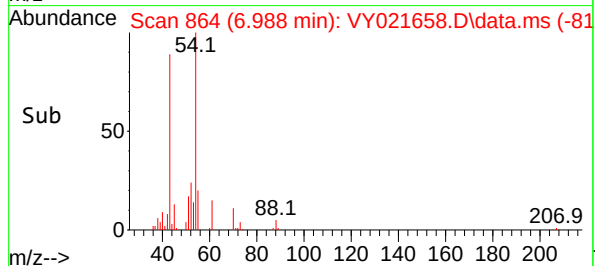
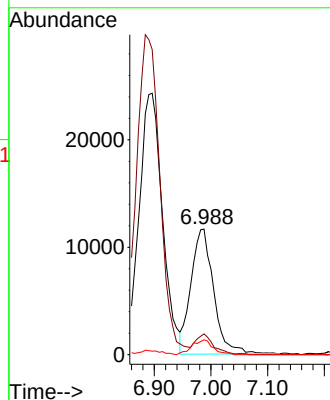
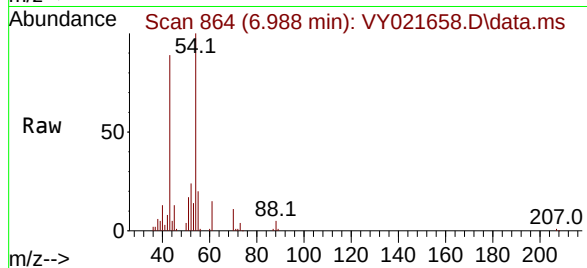
70 10.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 19.308 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

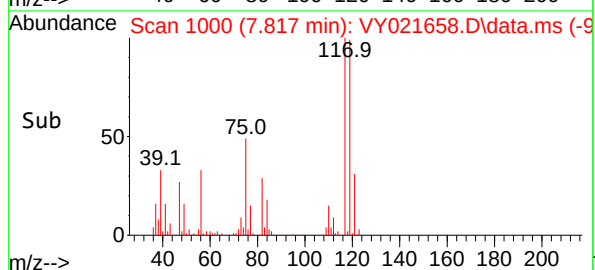
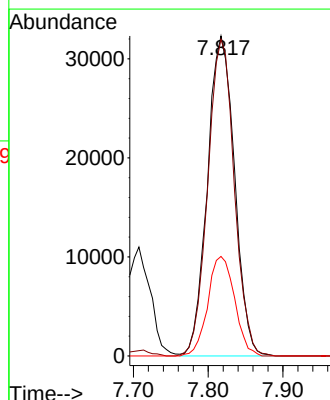
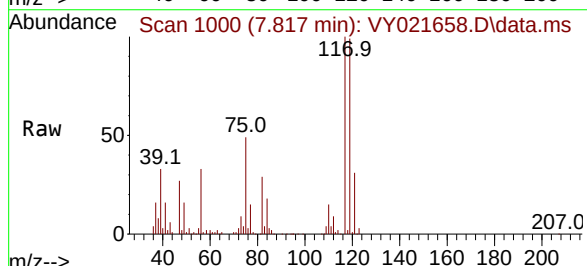
Tgt Ion:117 Resp: 81472

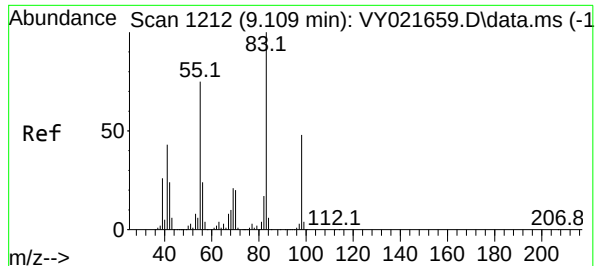
Ion Ratio Lower Upper

117 100

119 99.0 76.2 114.4

121 31.1 24.2 36.4





#39

Methylcyclohexane

Concen: 19.269 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

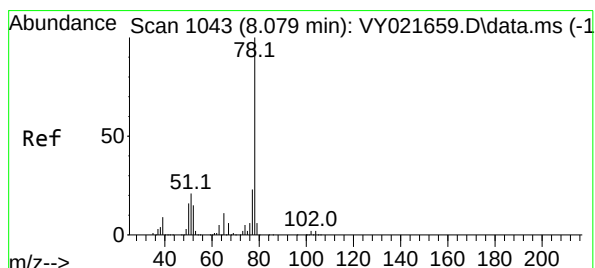
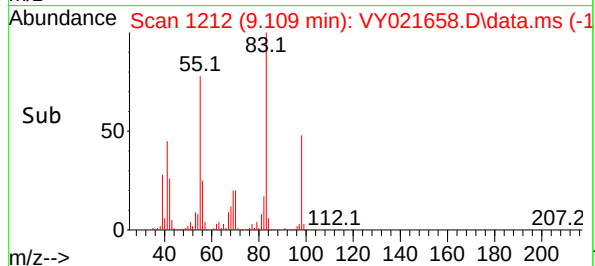
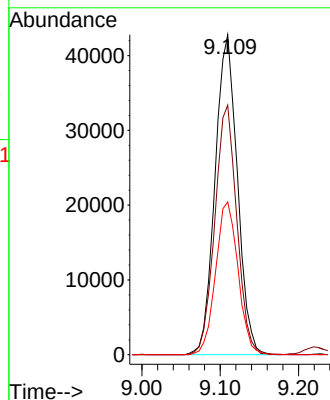
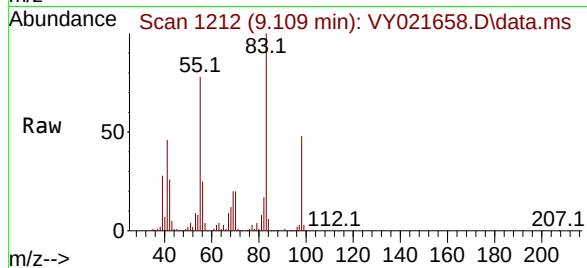
VSTDIC020

Tgt Ion:	83	Resp:	8480
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	47.8	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 19.313 ug/l

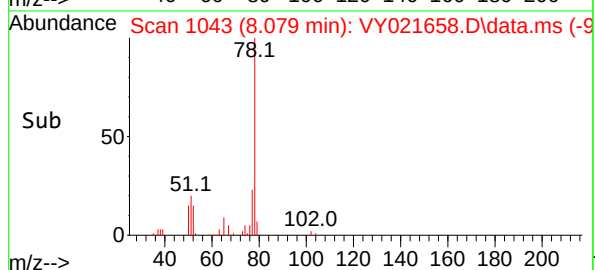
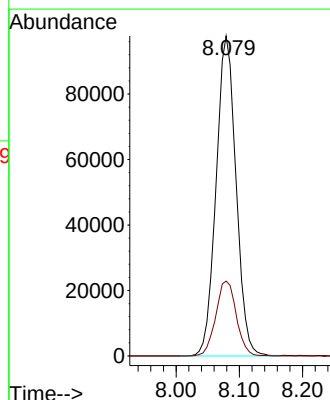
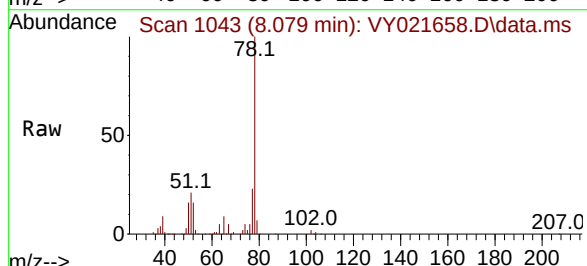
RT: 8.079 min Scan# 1043

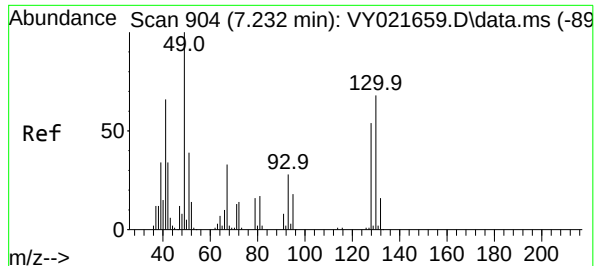
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	78	Resp:	213074
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 17.853 ug/l

RT: 7.220 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 41 Resp: 1648

Ion Ratio Lower Upper

41 100

39 55.7 0.0 0.0

67 78.7 0.0 0.0

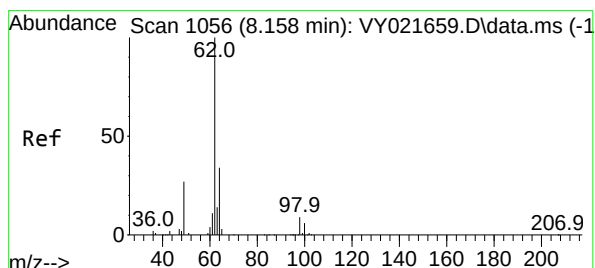
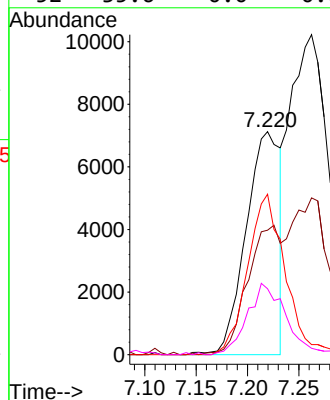
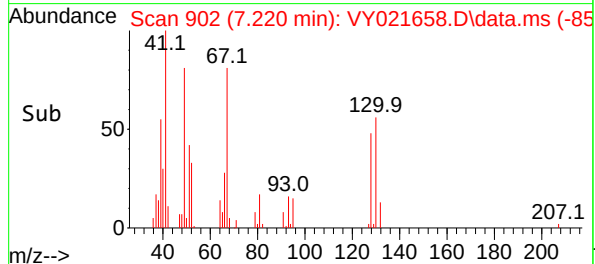
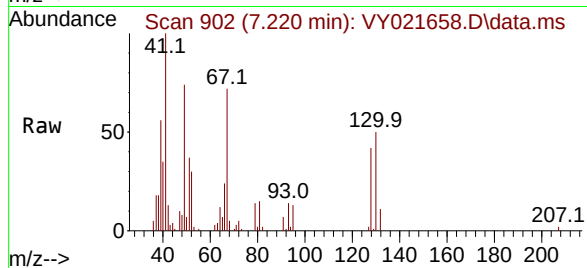
52 35.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 19.146 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021658.D

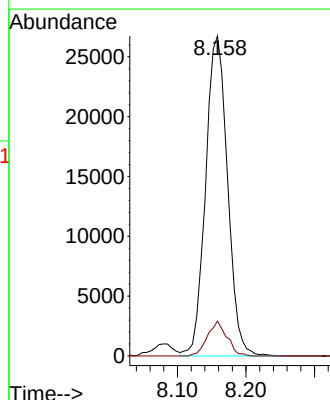
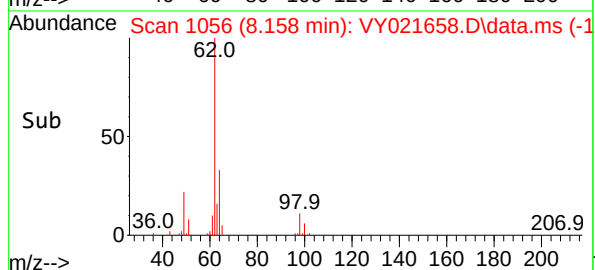
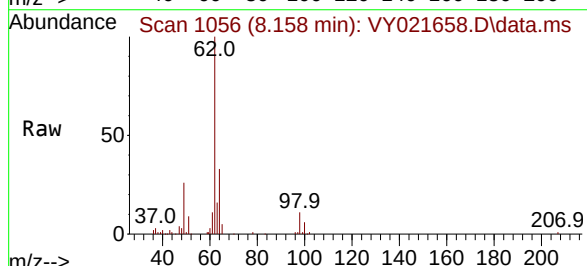
Acq: 27 Mar 2025 10:54

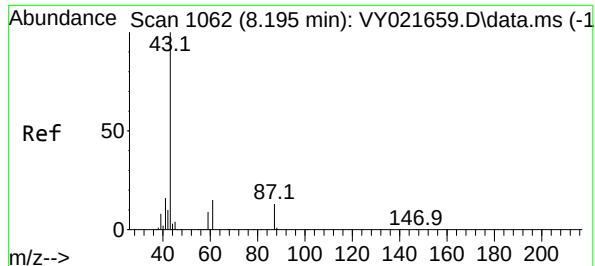
Tgt Ion: 62 Resp: 59552

Ion Ratio Lower Upper

62 100

98 9.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.451 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

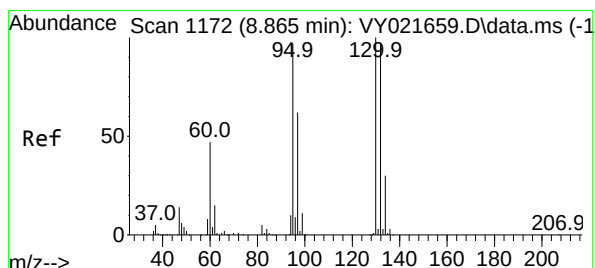
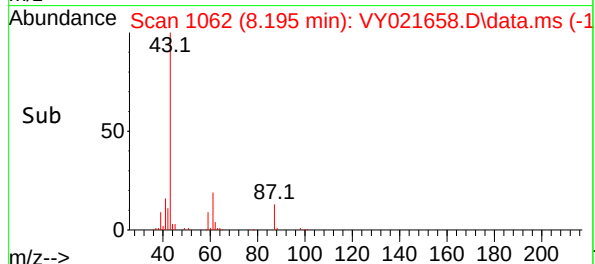
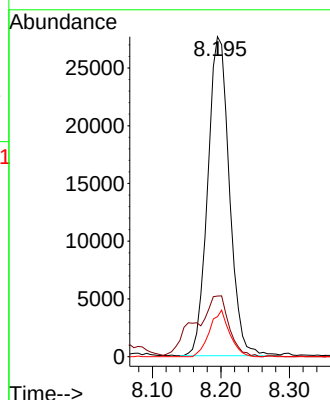
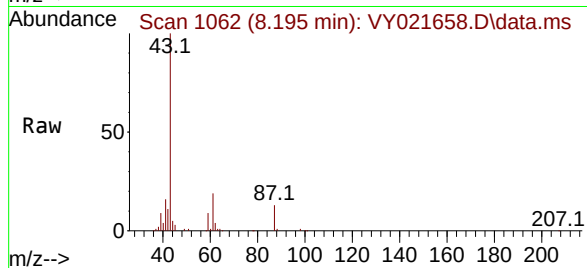
VSTDIC020

Tgt Ion: 43	Resp: 6079
Ion Ratio	Lower Upper
43	100
61	29.8 15.9 23.9
87	13.4 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 19.215 ug/l

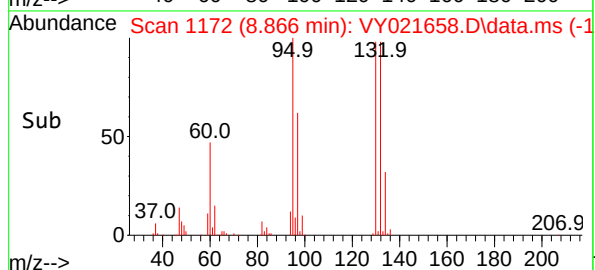
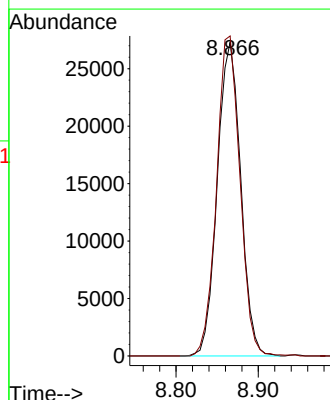
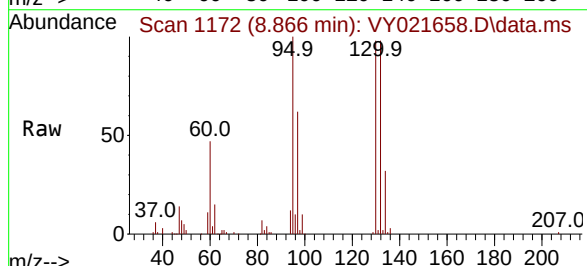
RT: 8.866 min Scan# 1172

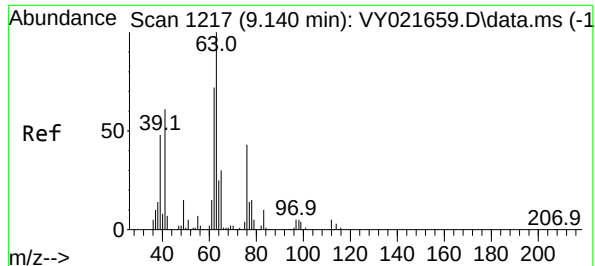
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:130	Resp: 54015
Ion Ratio	Lower Upper
130	100
95	102.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 19.088 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 49850

Ion Ratio Lower Upper

63 100

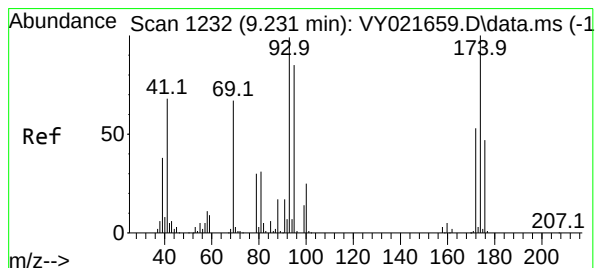
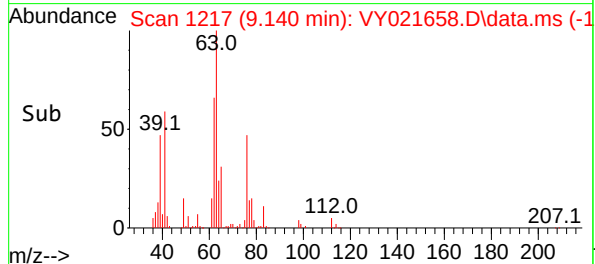
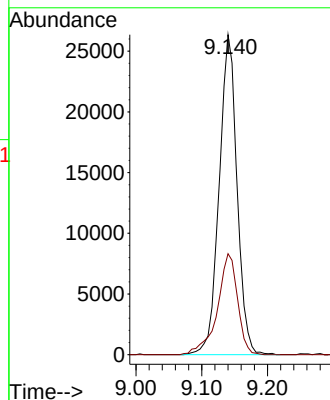
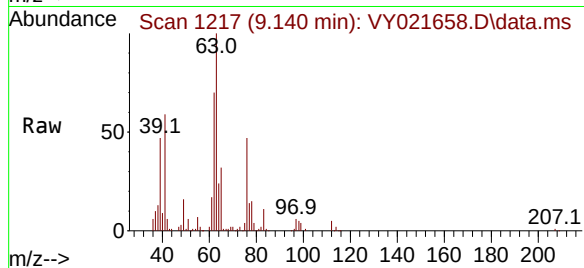
65 31.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 19.067 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

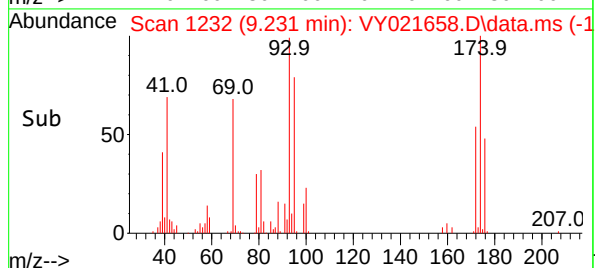
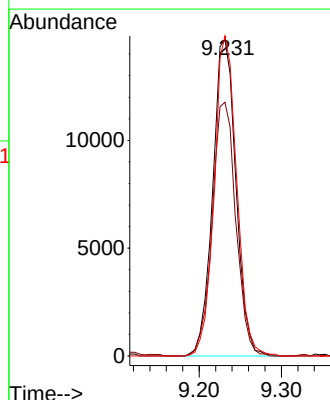
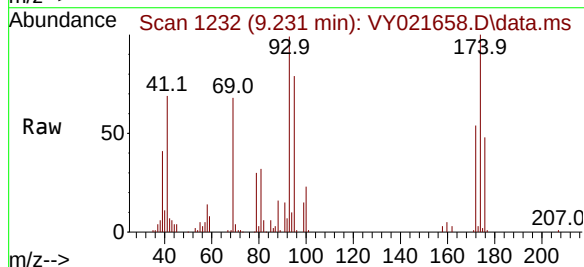
Tgt Ion: 93 Resp: 28698

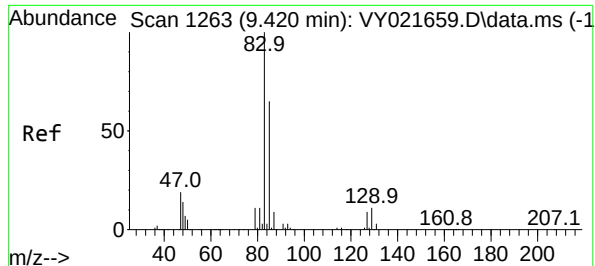
Ion Ratio Lower Upper

93 100

95 81.9 68.1 102.1

174 97.9 80.9 121.3





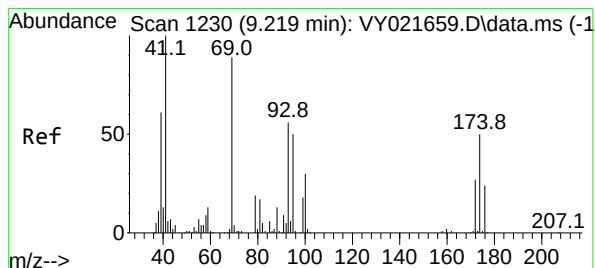
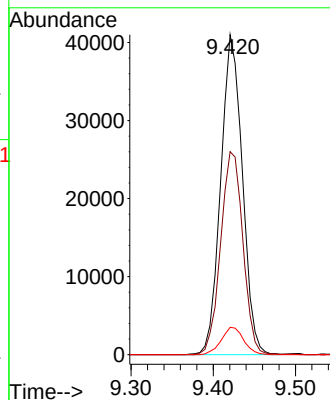
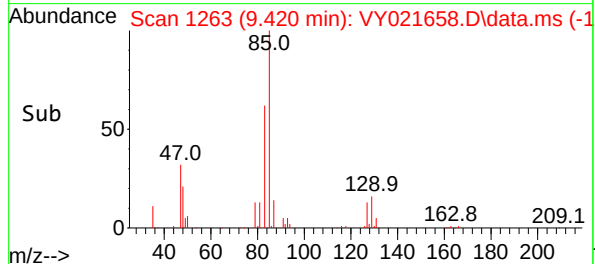
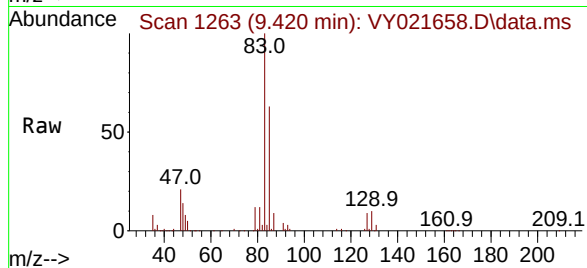
#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 7512
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.6
127 8.5 6.8 10.2

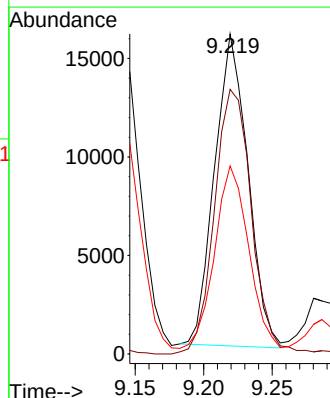
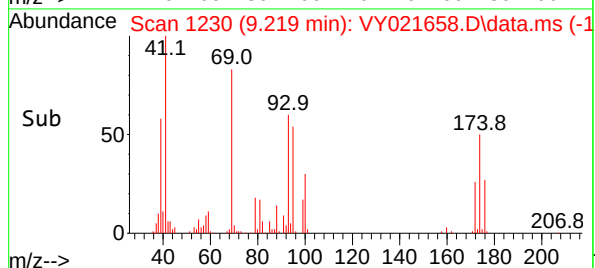
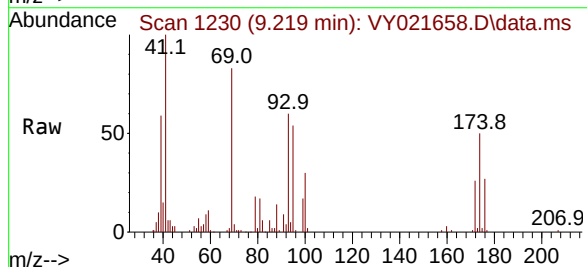
Manual Integrations
APPROVED

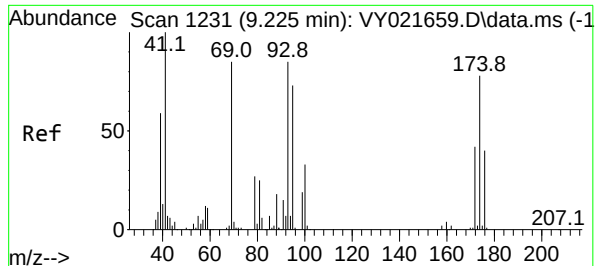
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 26759
Ion Ratio Lower Upper
41 100
69 95.3 69.8 104.8
39 60.0 47.2 70.8





#49

1,4-Dioxane

Concen: 388.254 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 6260

Ion Ratio Lower Upper

88 100

43 36.8 28.8 43.2

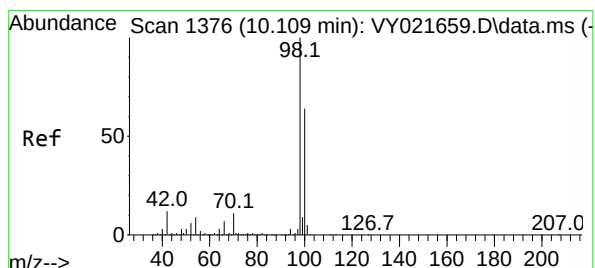
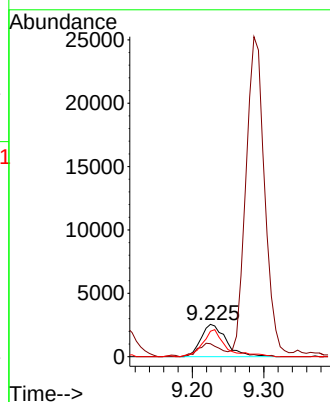
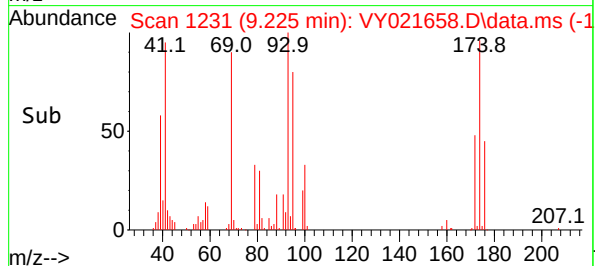
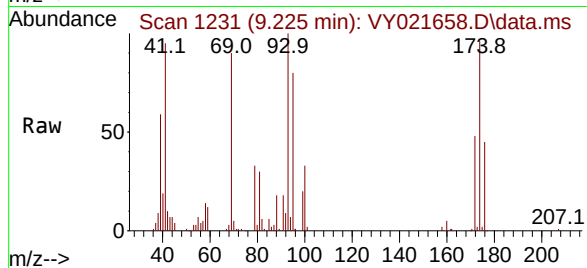
58 75.8 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 18.262 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021658.D

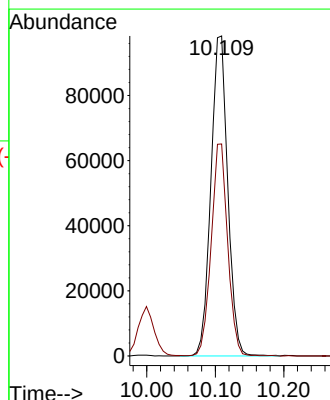
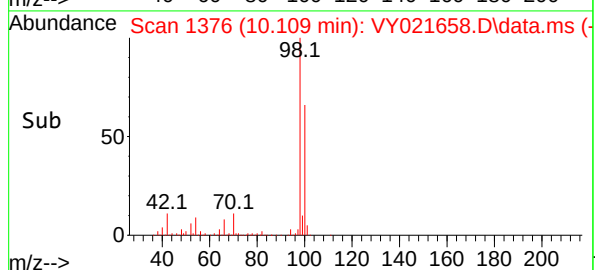
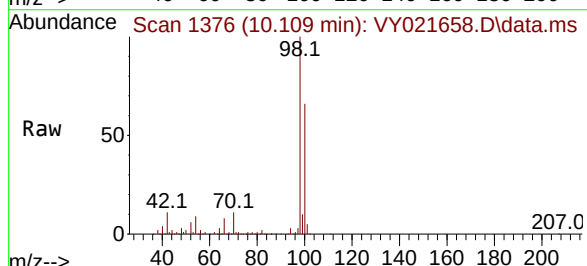
Acq: 27 Mar 2025 10:54

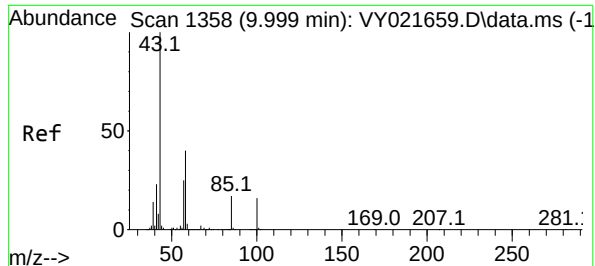
Tgt Ion: 98 Resp: 168040

Ion Ratio Lower Upper

98 100

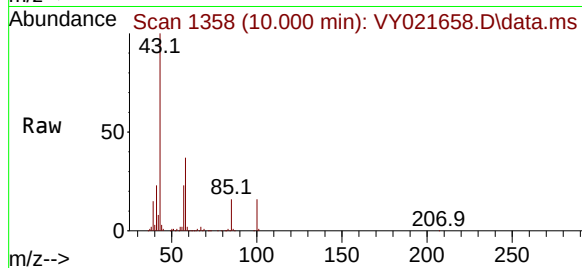
100 64.6 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

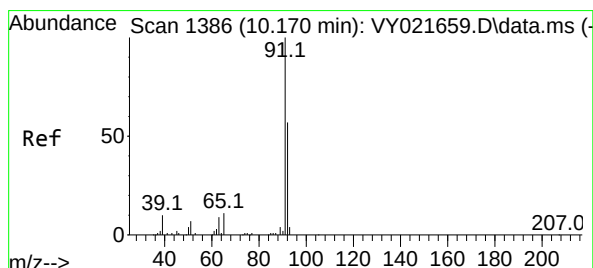
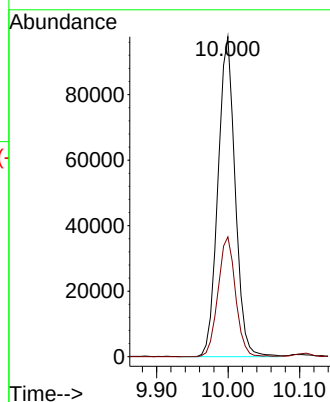
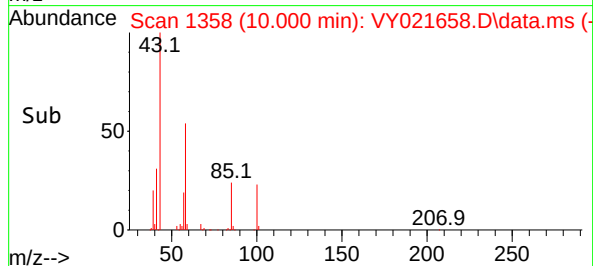
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 163415
Ion Ratio Lower Upper
43 100
58 38.1 31.5 47.3

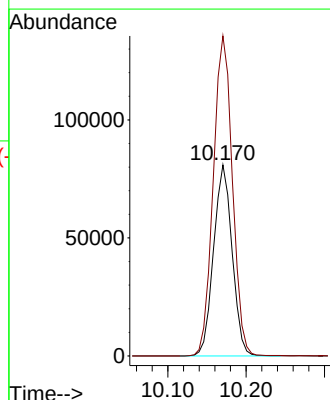
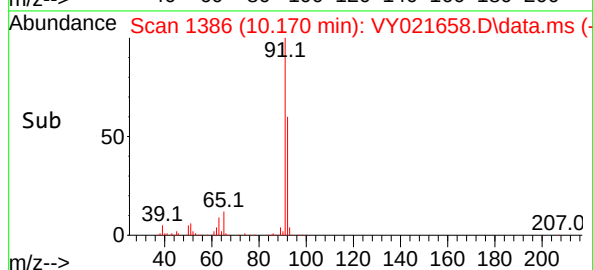
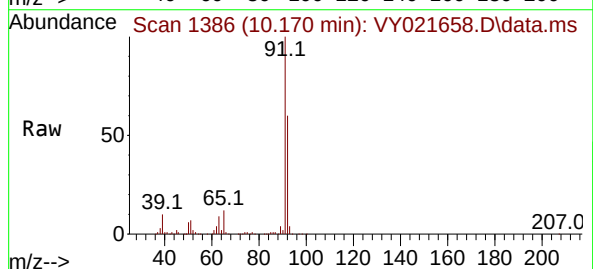
Manual Integrations
APPROVED

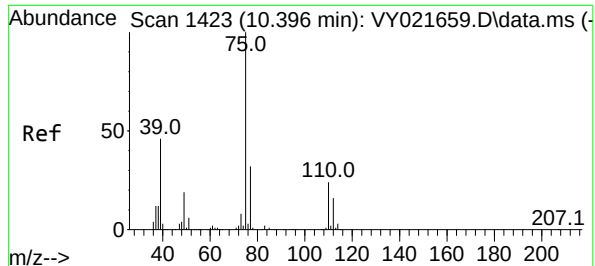
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 19.340 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 92 Resp: 133126
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





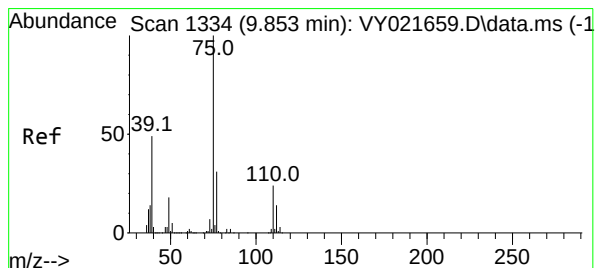
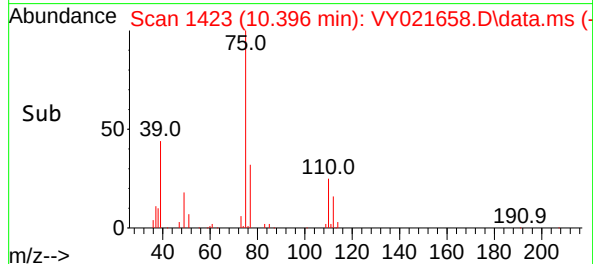
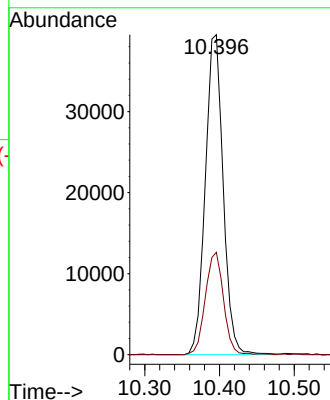
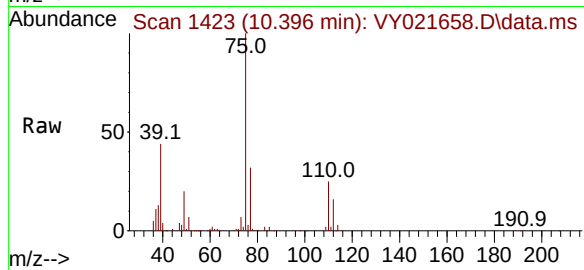
#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 65530
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

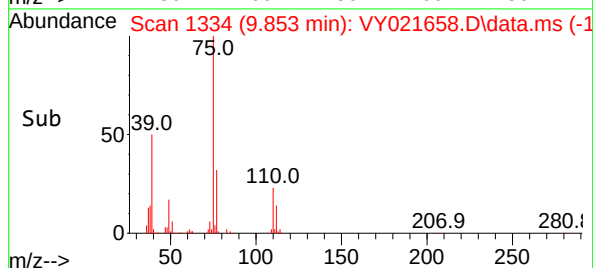
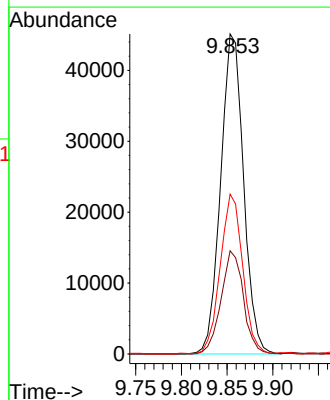
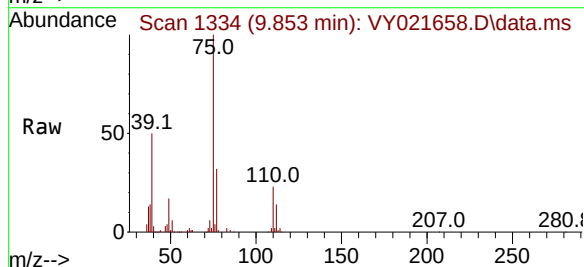
Manual Integrations
APPROVED

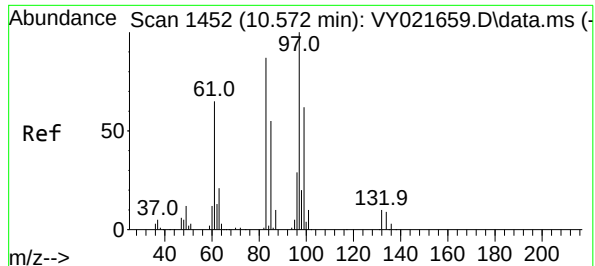
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 49.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.140 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 3707

Ion Ratio Lower Upper

97 100

83 84.0 69.5 104.3

85 55.1 43.9 65.9

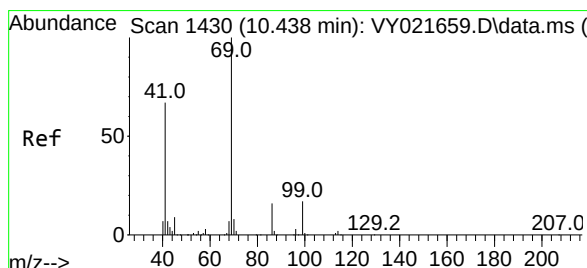
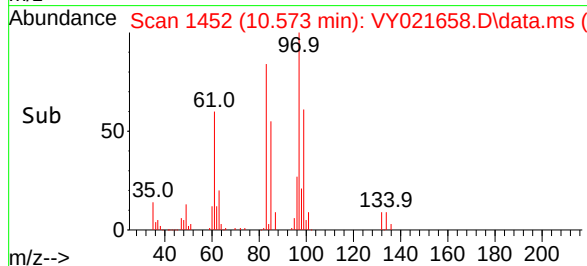
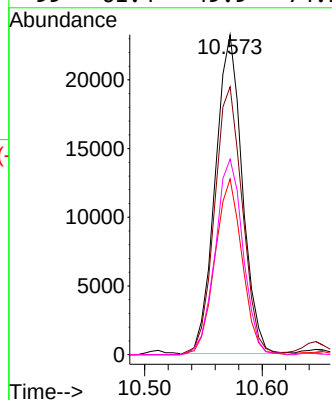
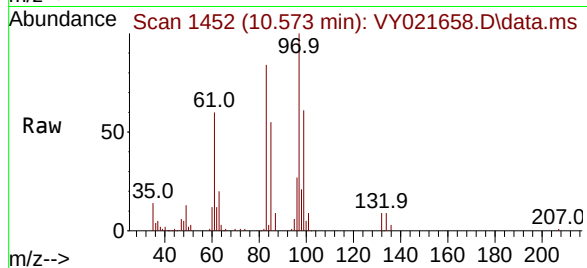
99 61.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#56

Ethyl methacrylate

Concen: 18.936 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

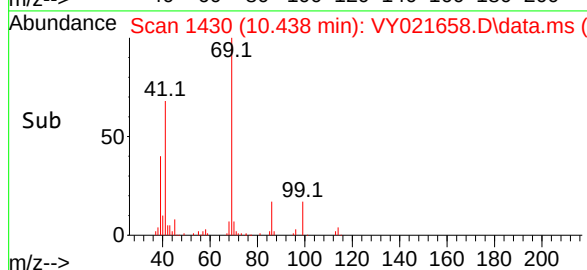
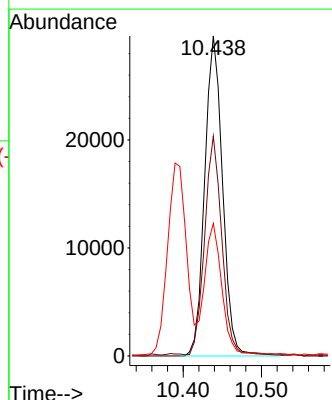
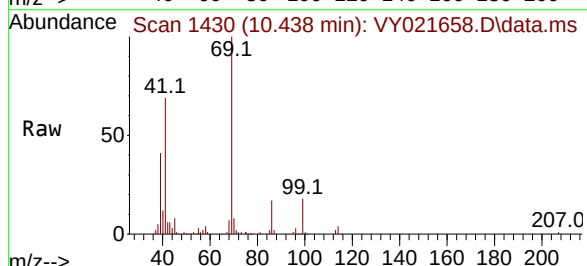
Tgt Ion: 69 Resp: 46833

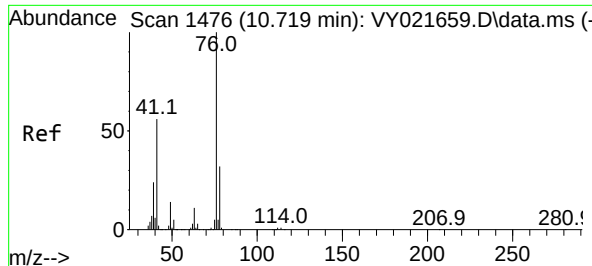
Ion Ratio Lower Upper

69 100

41 65.3 53.8 80.6

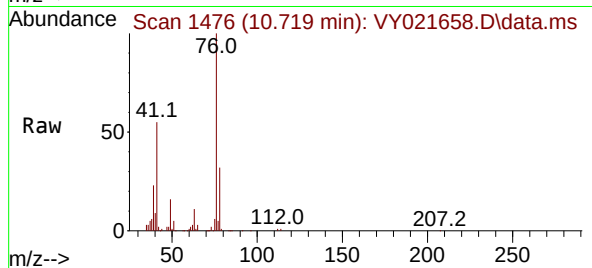
39 39.6 29.6 44.4





#57
1,3-Dichloropropane
Concen: 19.600 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

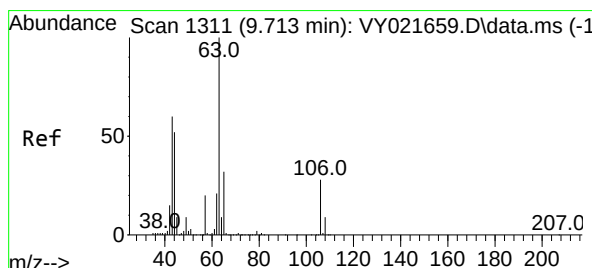
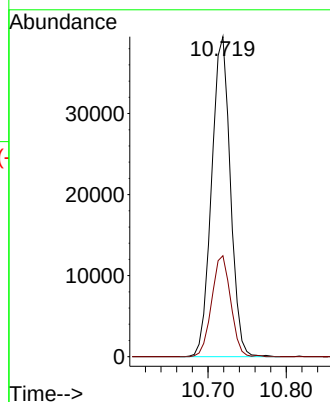
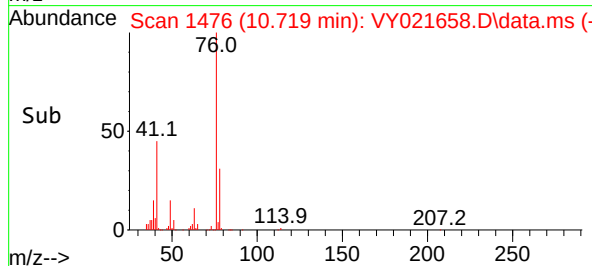
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 6556
Ion Ratio Lower Upper
76 100
78 32.1 25.8 38.8

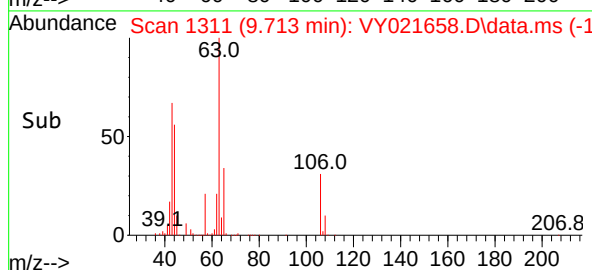
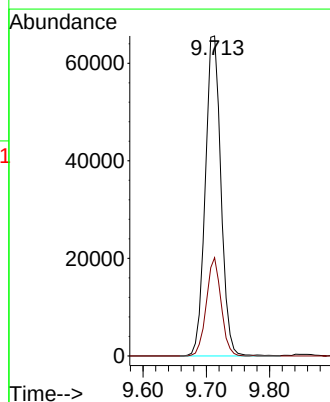
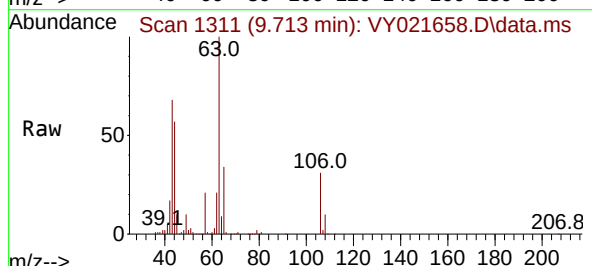
Manual Integrations
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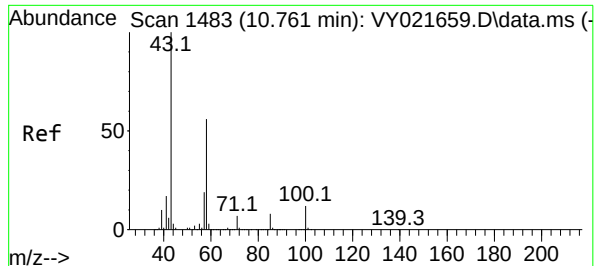
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 93.615 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 112947
Ion Ratio Lower Upper
63 100
106 28.9 22.4 33.6





#59

2-Hexanone

Concen: 94.241 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 107618

Ion Ratio Lower Upper

43 100

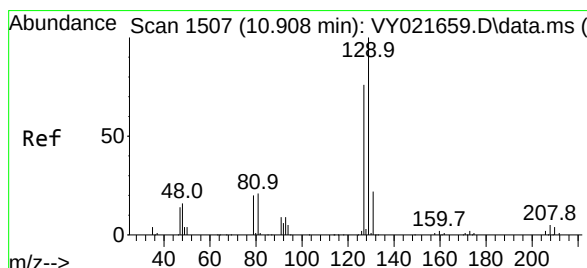
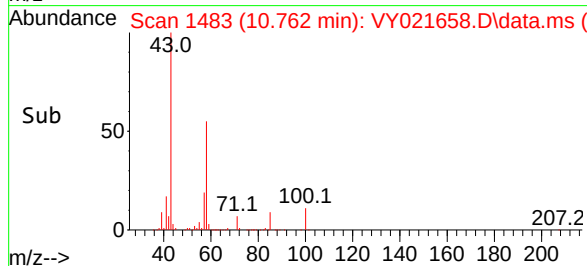
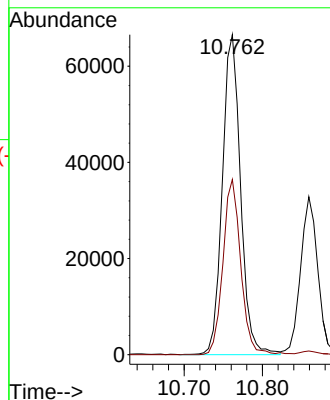
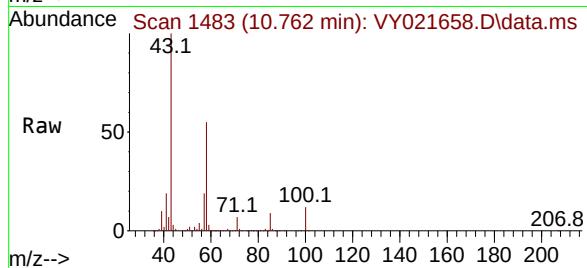
58 53.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 19.187 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021658.D

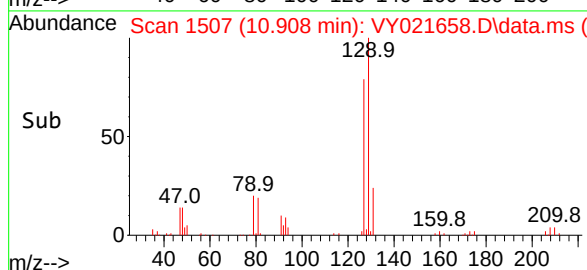
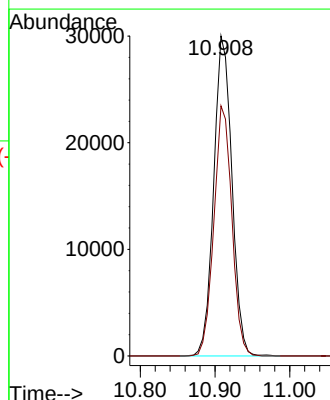
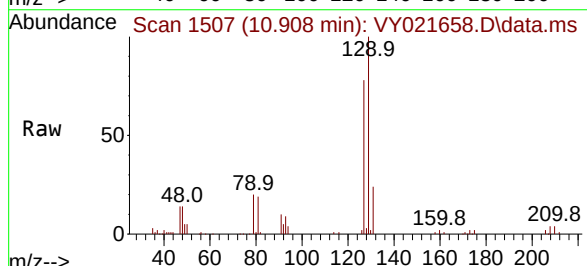
Acq: 27 Mar 2025 10:54

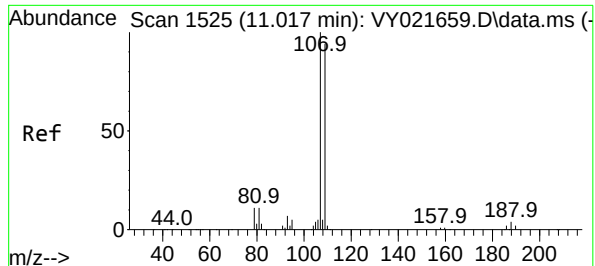
Tgt Ion:129 Resp: 50740

Ion Ratio Lower Upper

129 100

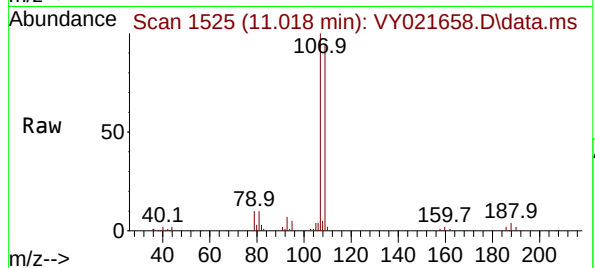
127 77.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

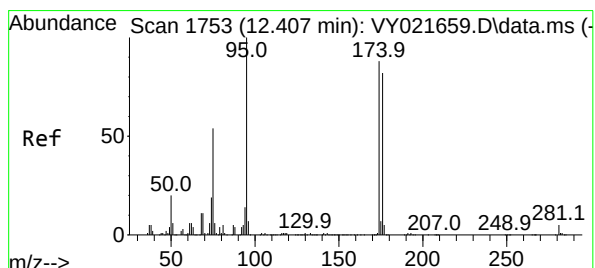
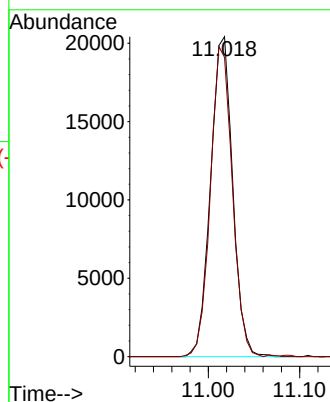
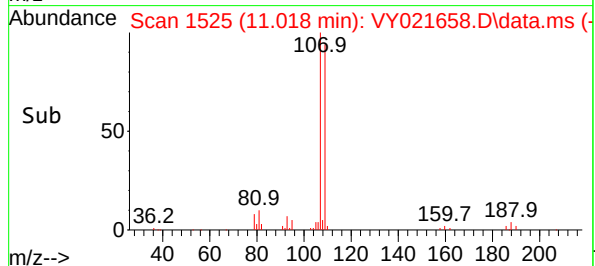
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 3429
Ion Ratio Lower Upper
107 100
109 95.9 74.4 111.6

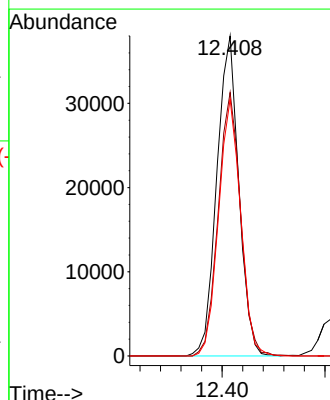
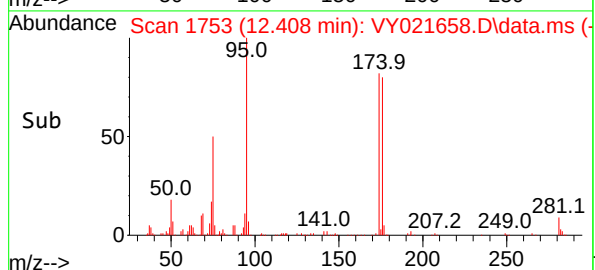
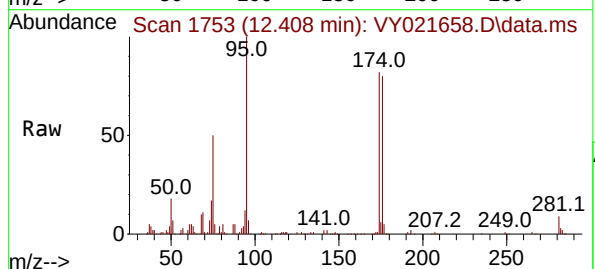
Manual Integrations
APPROVED

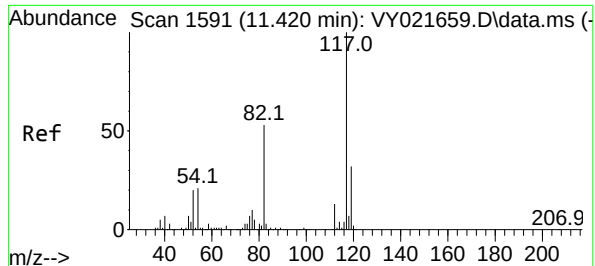
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 32515

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

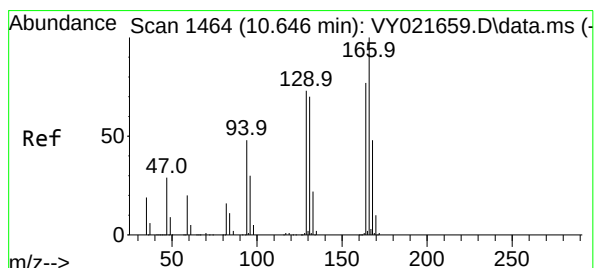
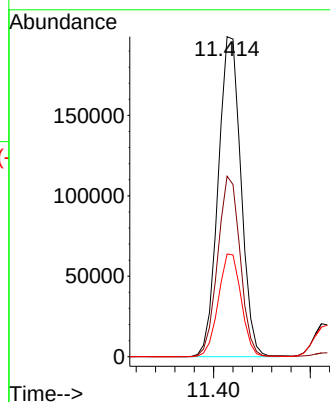
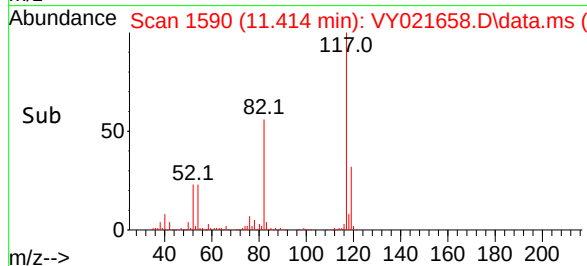
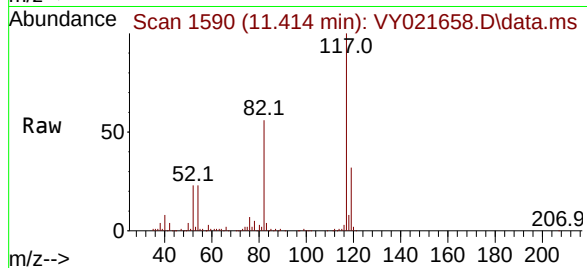
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#64

Tetrachloroethene

Concen: 19.897 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

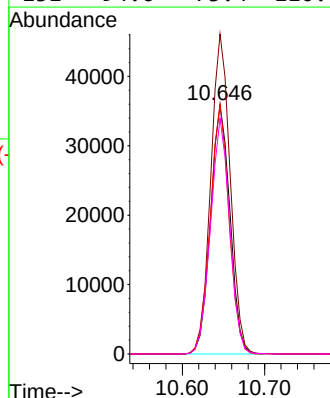
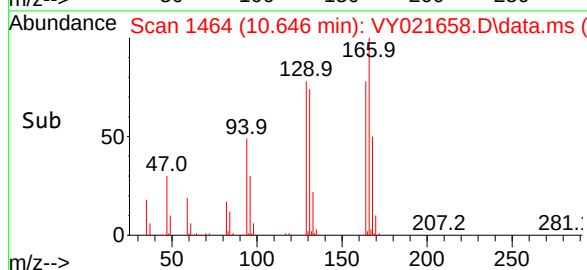
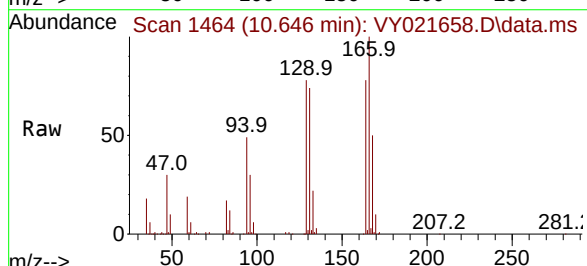
Ion Ratio Lower Upper

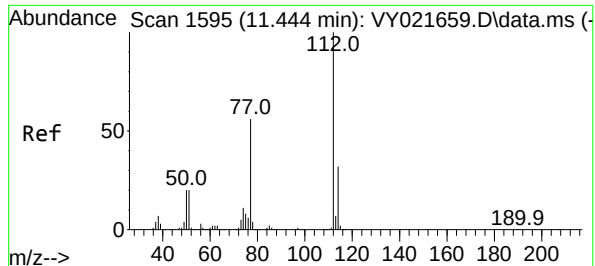
164 100

166 128.5 104.6 156.8

129 100.1 76.6 114.8

131 94.6 73.4 110.0





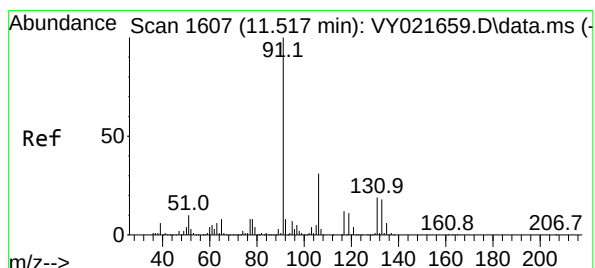
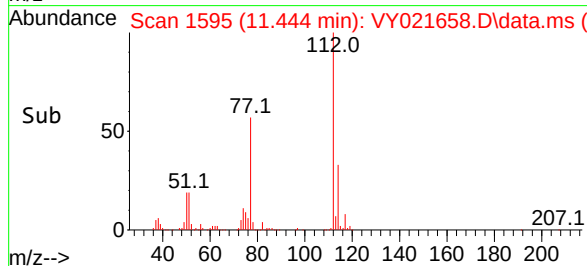
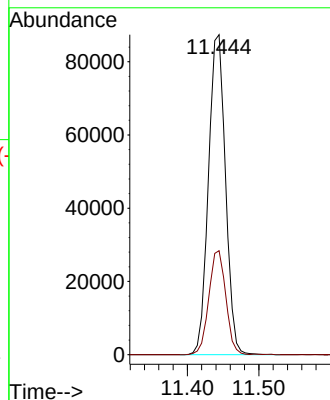
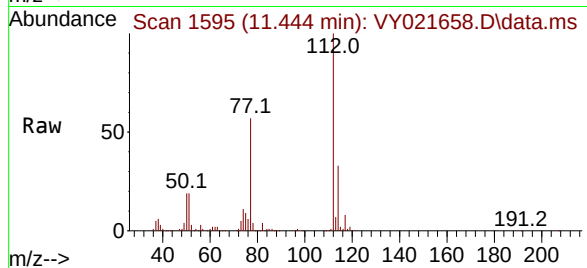
#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 14441
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

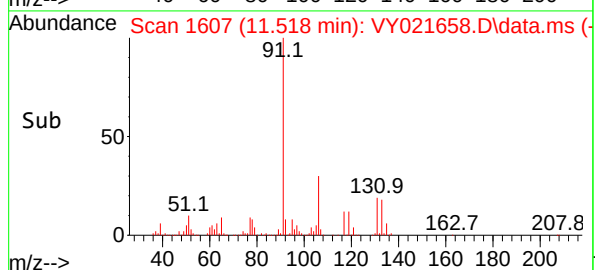
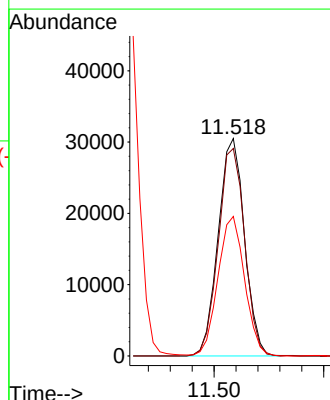
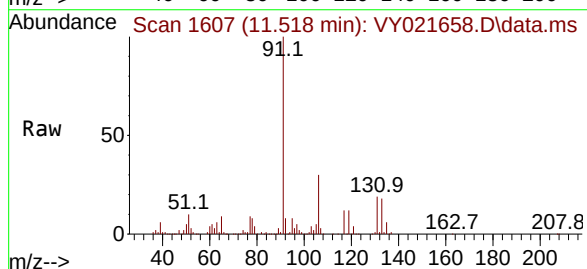
Manual Integrations
APPROVED

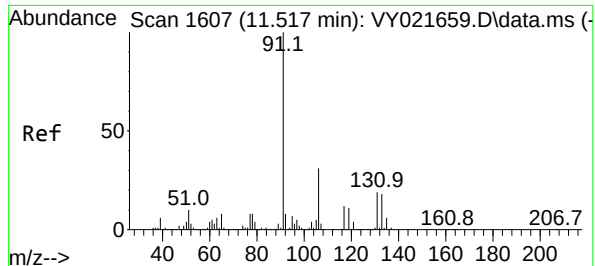
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:131 Resp: 50703
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 19.515 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 249430

Ion Ratio Lower Upper

91 100

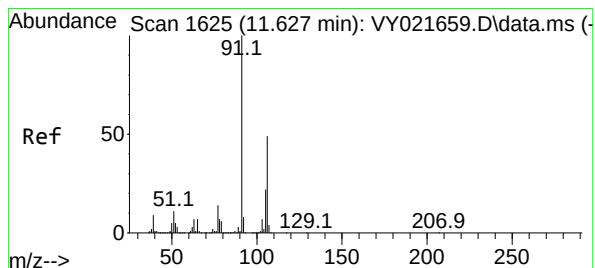
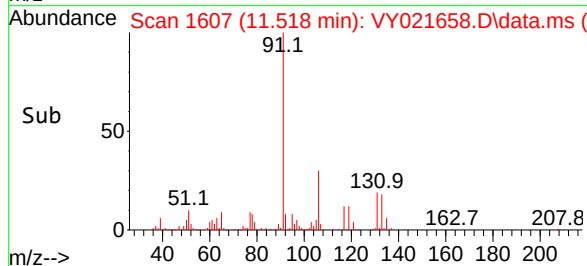
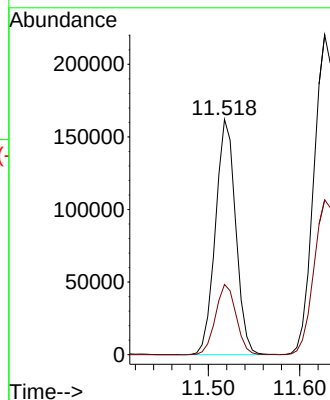
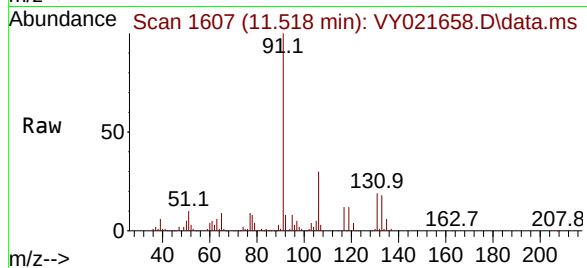
106 29.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 39.549 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021658.D

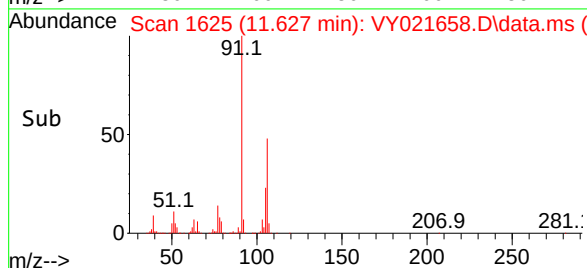
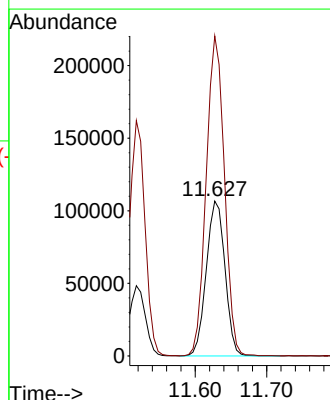
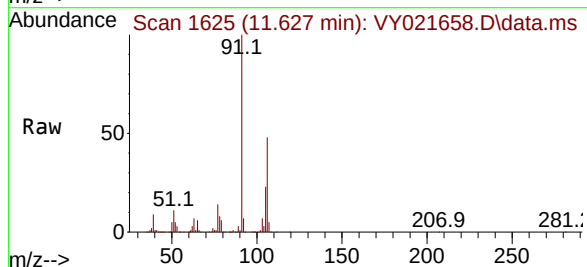
Acq: 27 Mar 2025 10:54

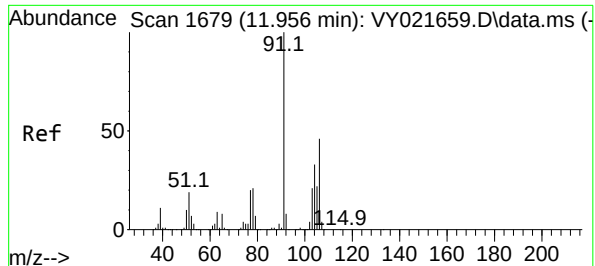
Tgt Ion:106 Resp: 193566

Ion Ratio Lower Upper

106 100

91 201.0 162.4 243.6





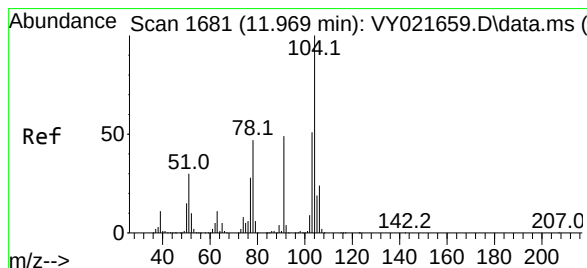
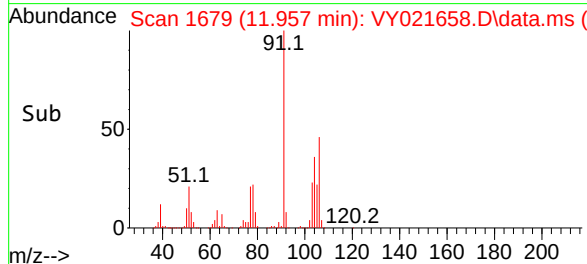
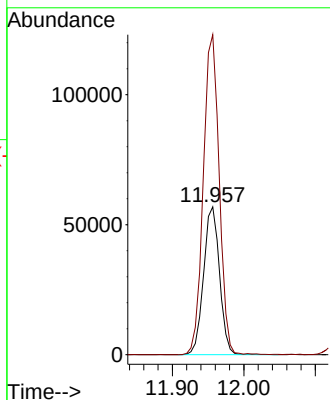
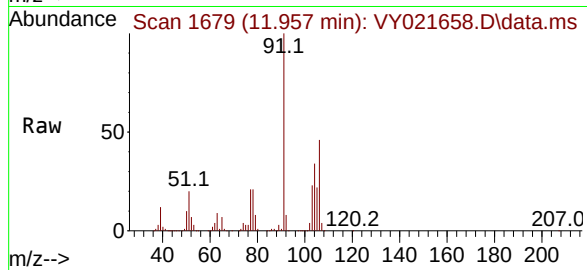
#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 8792
Ion Ratio Lower Upper
106 100
91 216.7 106.7 319.9

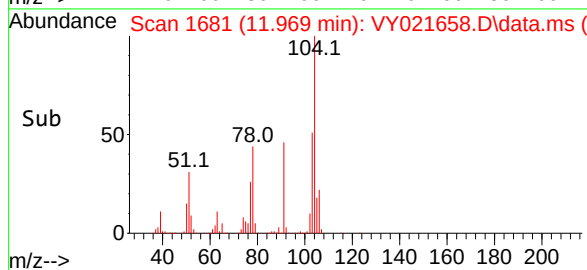
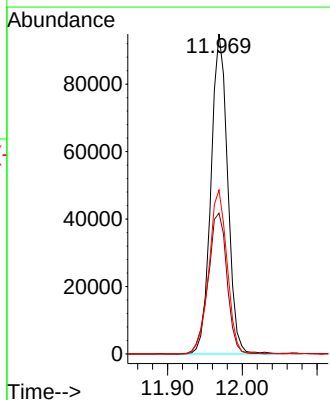
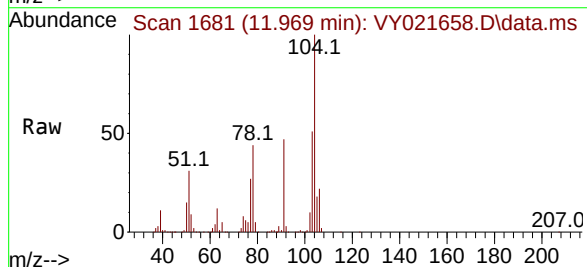
Manual Integrations
APPROVED

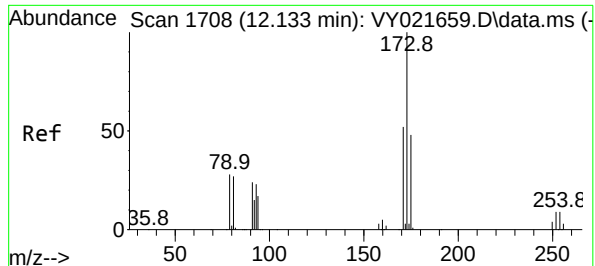
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

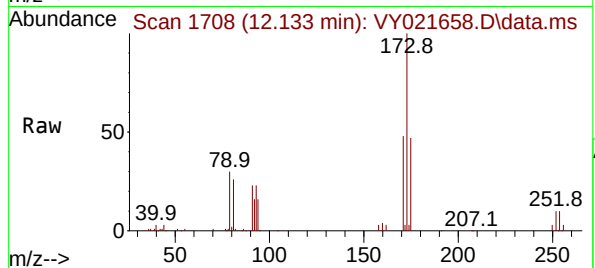
Tgt Ion:104 Resp: 147490
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 55.7 44.2 66.2





#71
Bromoform
Concen: 19.706 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

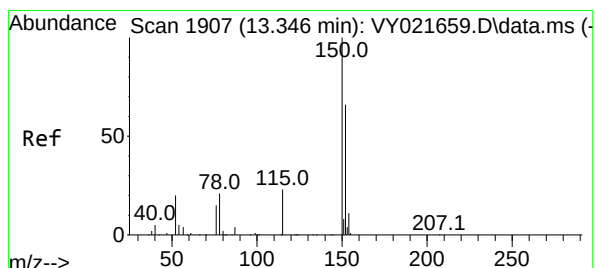
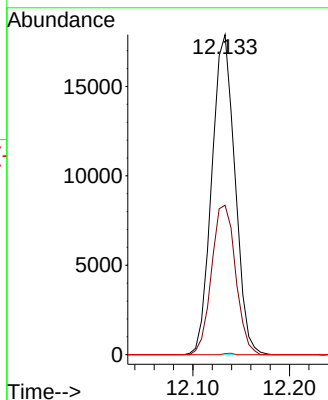
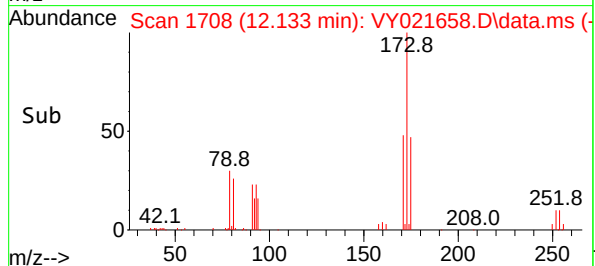
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 29720
Ion Ratio Lower Upper
173 100
175 48.5 24.3 73.0
254 0.2 0.1 0.1

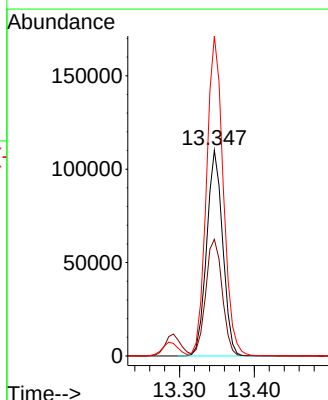
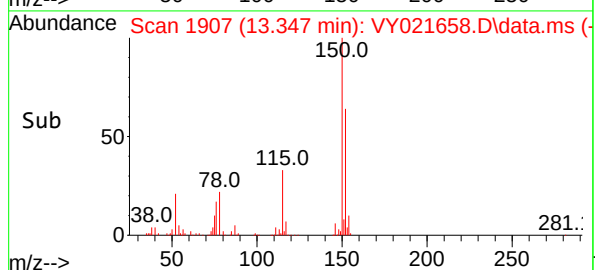
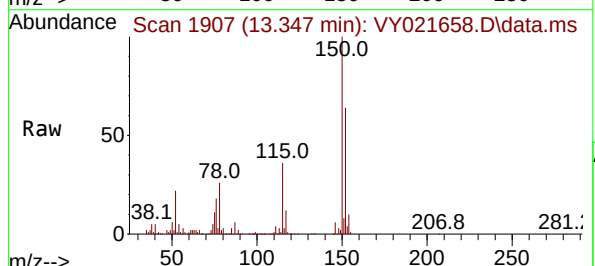
Manual Integrations
APPROVED

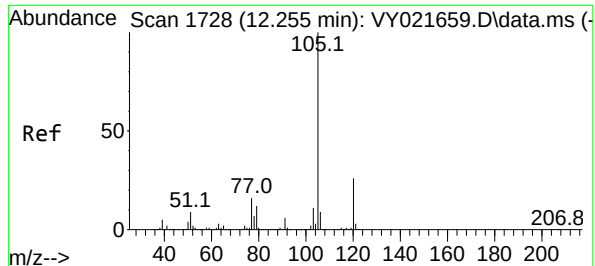
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

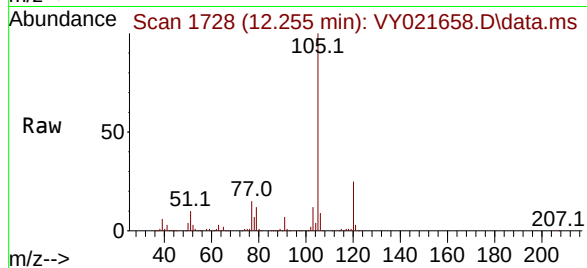
Tgt Ion:152 Resp: 163591
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 162.8 0.0 348.4





#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

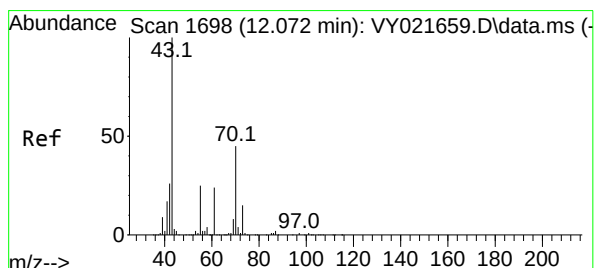
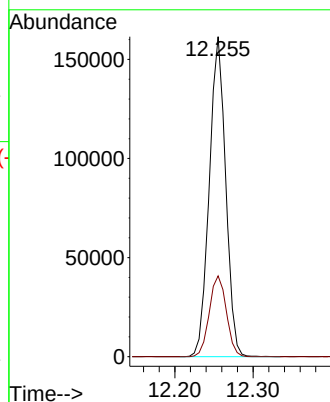
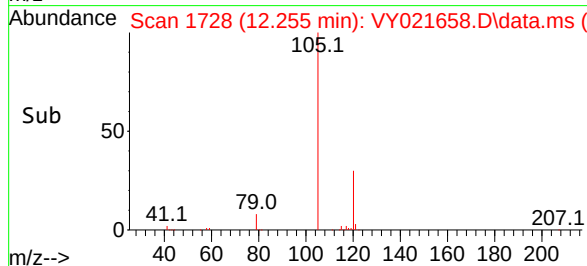
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 23438
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

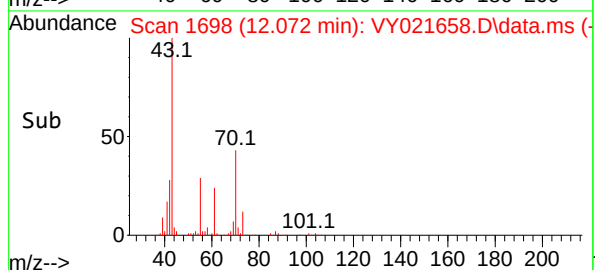
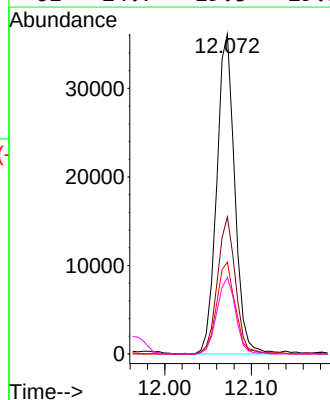
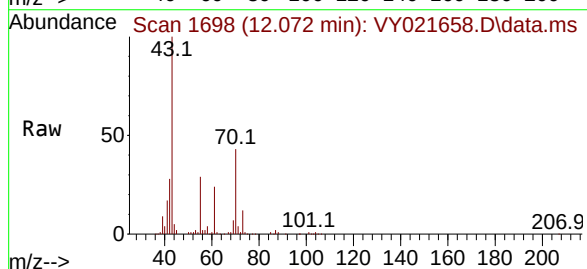
Manual Integrations
APPROVED

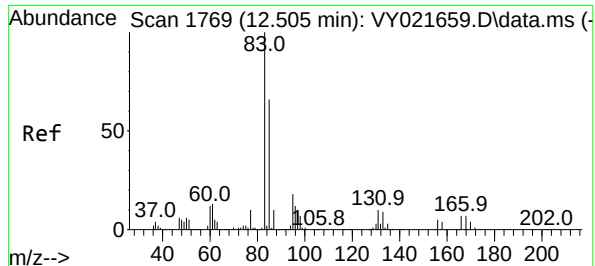
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342
Ion Ratio Lower Upper
43 100
70 42.9 34.7 52.1
55 30.0 21.2 31.8
61 24.7 19.5 29.3





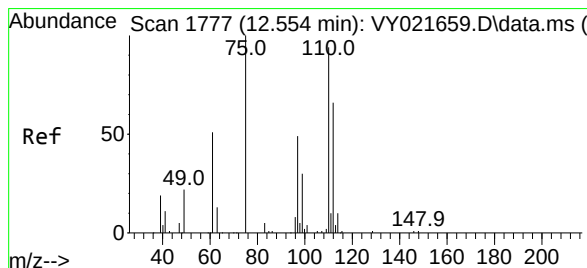
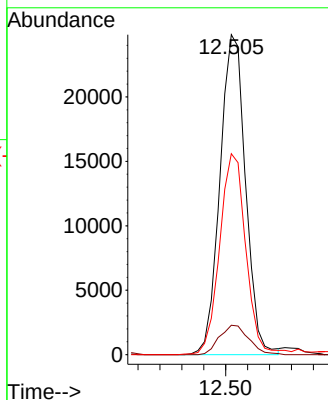
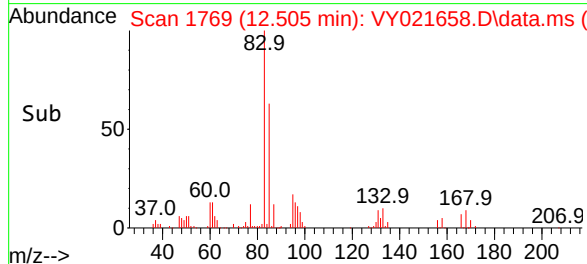
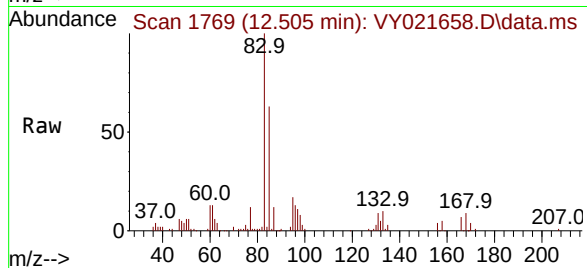
#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 40279
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 64.3 32.3 96.8

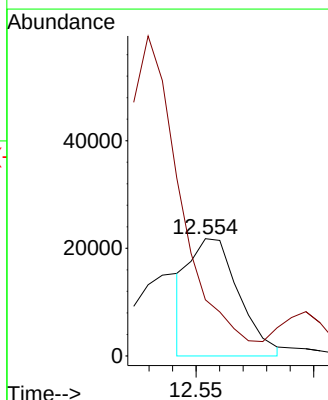
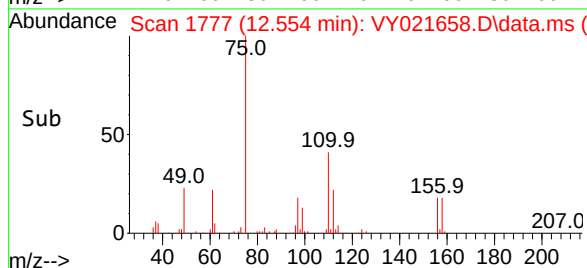
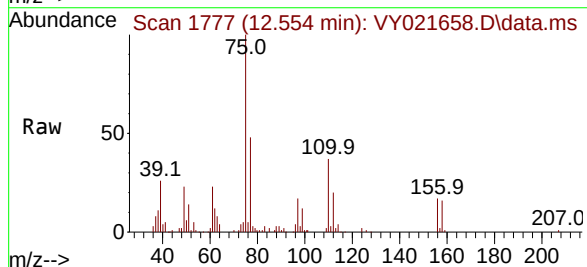
Manual Integrations
APPROVED

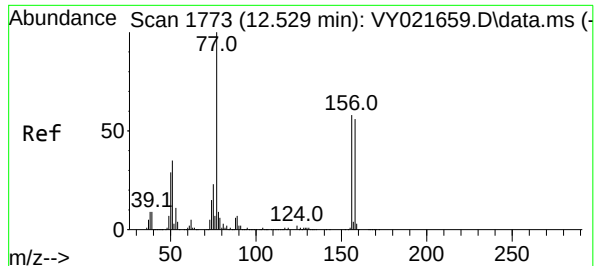
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 19.644 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 31855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





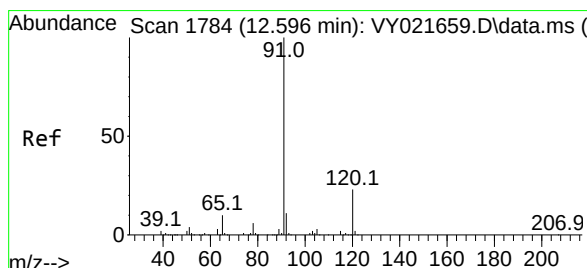
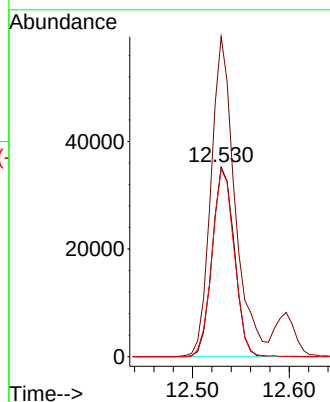
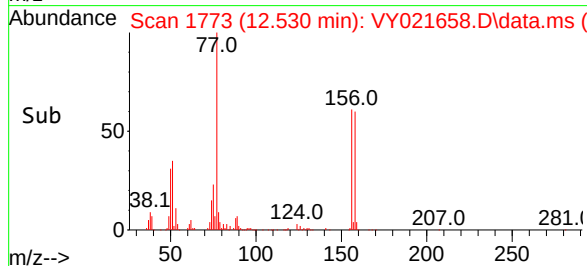
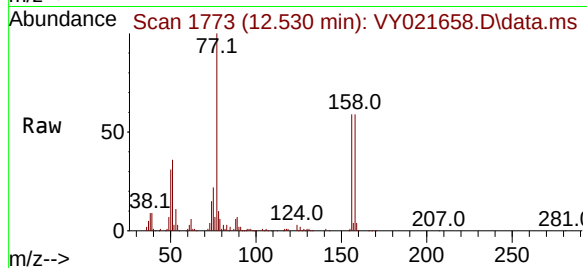
#77
Bromobenzene
Concen: 19.119 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 55770
Ion Ratio Lower Upper
156 100
77 184.4 92.8 278.3
158 99.7 48.5 145.6

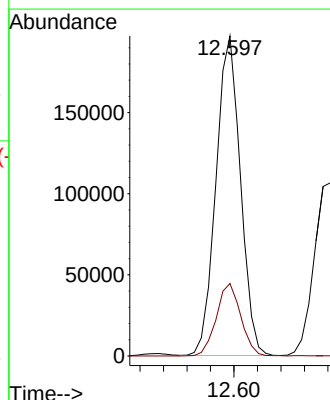
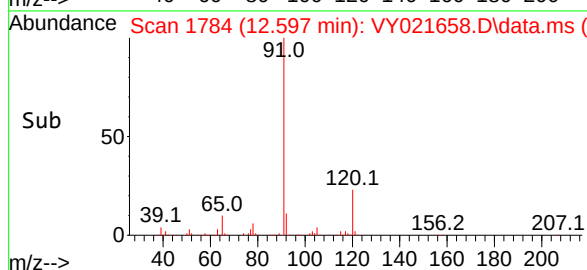
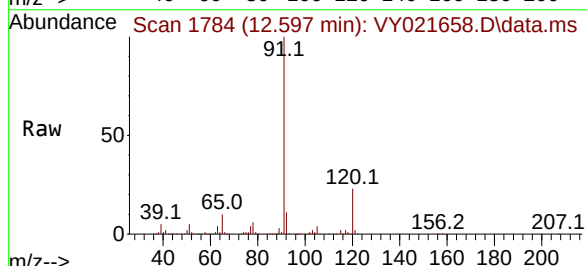
Manual Integrations
APPROVED

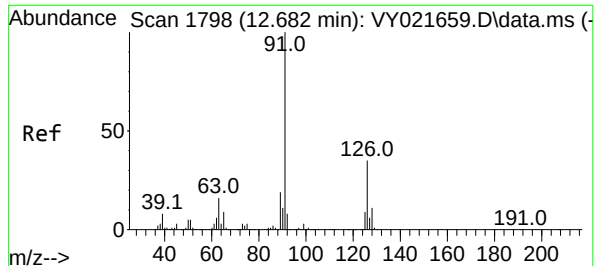
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 19.480 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 284563
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.555 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 16591

Ion Ratio Lower Upper

91 100

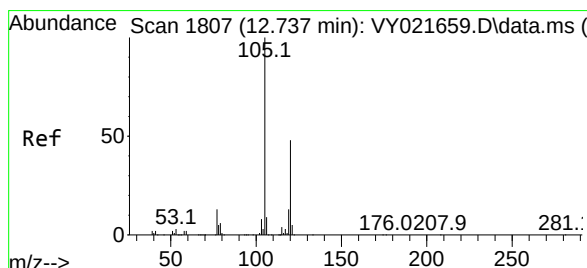
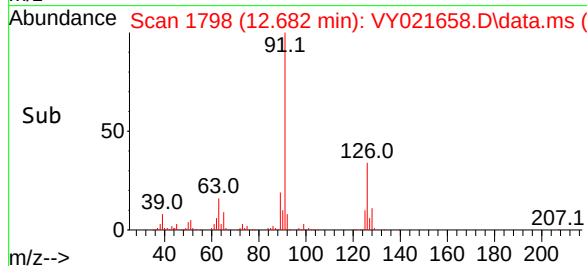
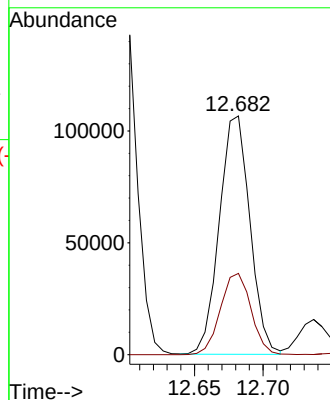
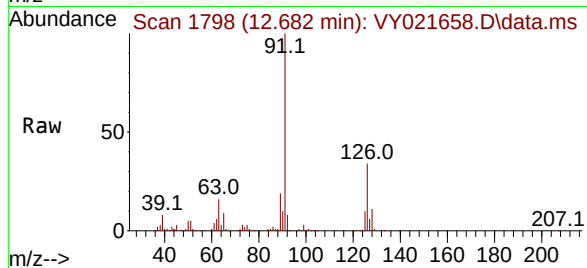
126 34.0 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.651 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021658.D

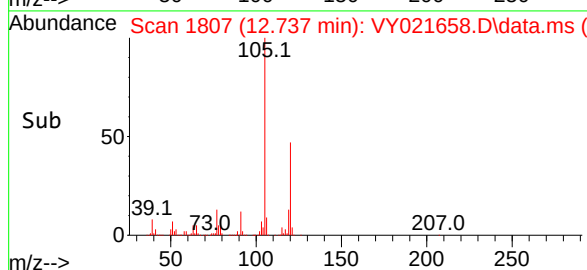
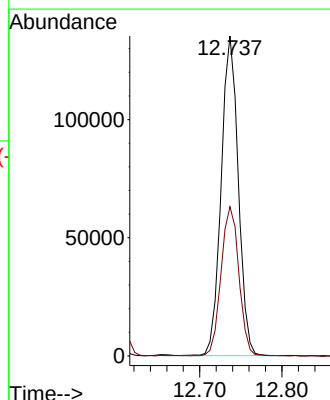
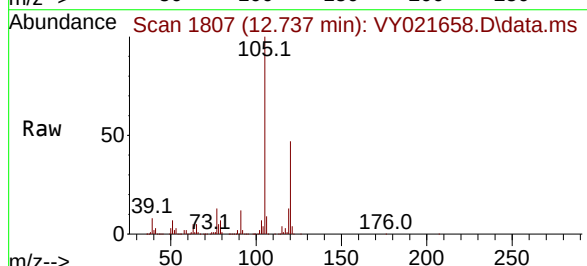
Acq: 27 Mar 2025 10:54

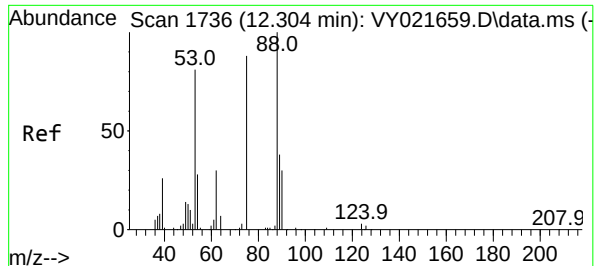
Tgt Ion:105 Resp: 195141

Ion Ratio Lower Upper

105 100

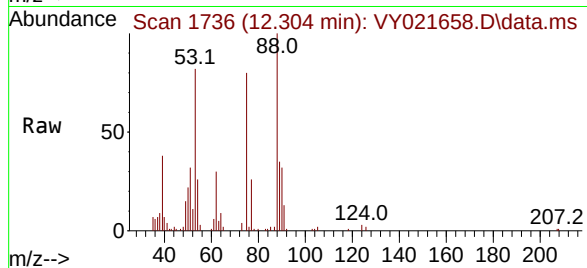
120 48.8 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

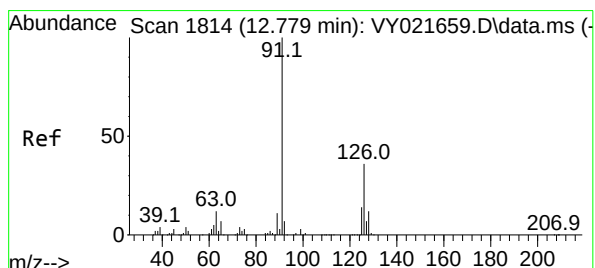
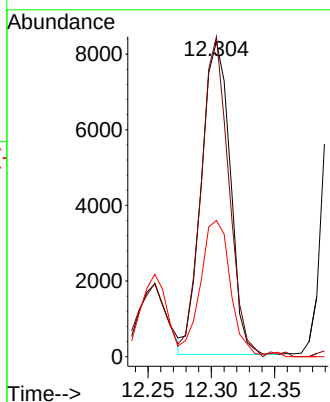
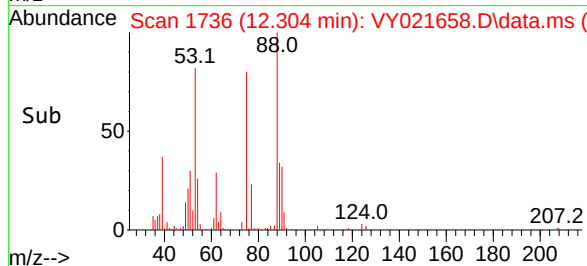
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 75 Resp: 1302
Ion Ratio Lower Upper
75 100
53 98.6 76.1 114.1
89 44.2 36.2 54.4

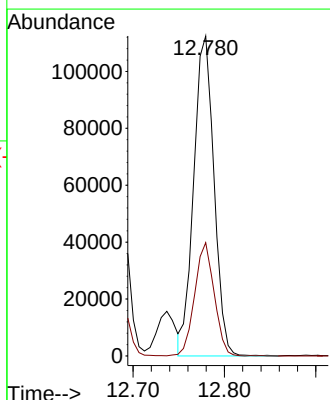
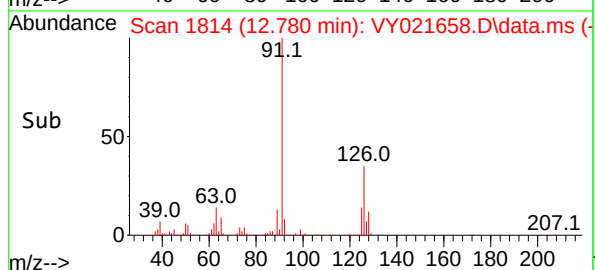
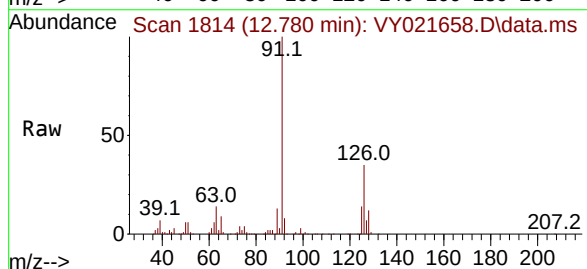
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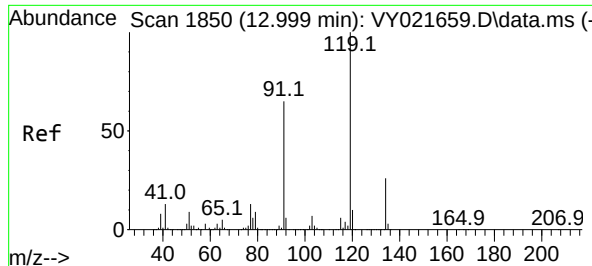
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

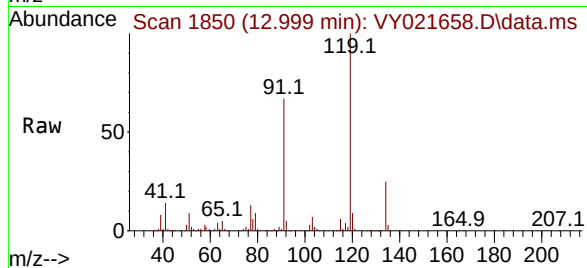
Tgt Ion: 91 Resp: 173311
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

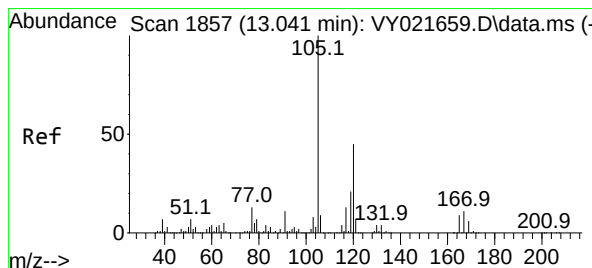
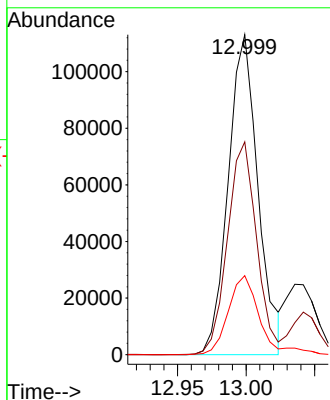
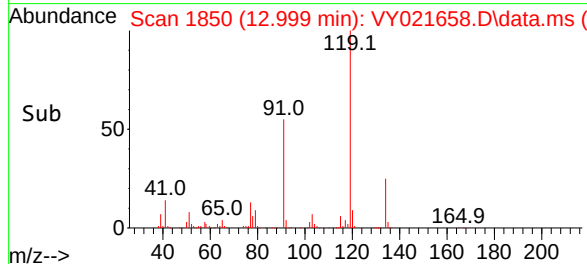
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:119 Resp: 171210
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.1 13.2 39.6

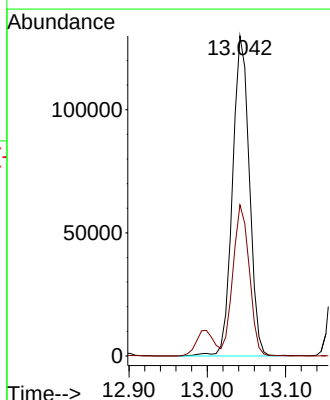
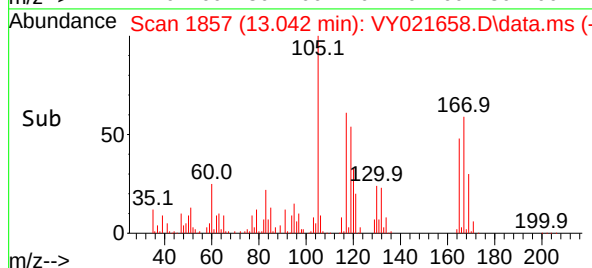
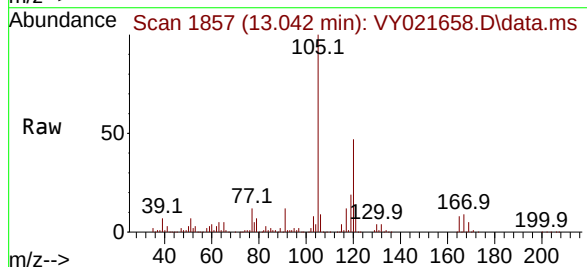
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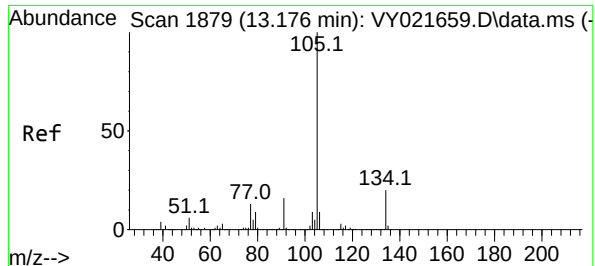
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.540 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 25257

Ion Ratio Lower Upper

105 100

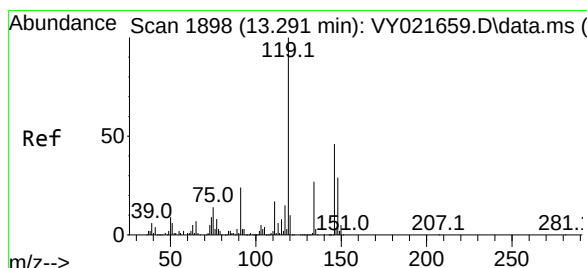
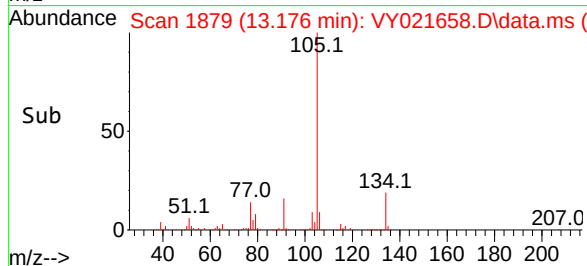
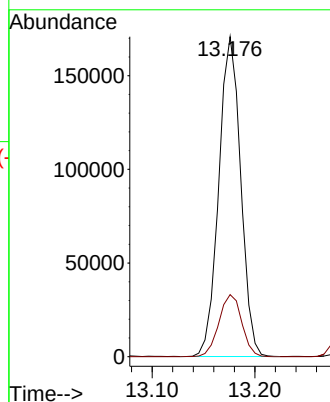
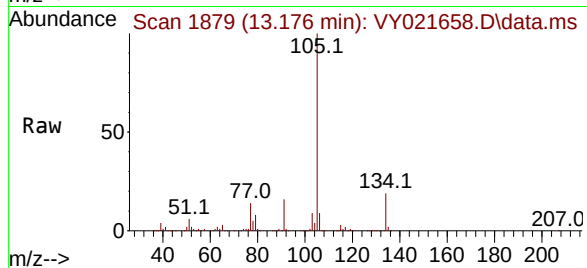
134 20.3 10.1 30.1

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 19.567 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

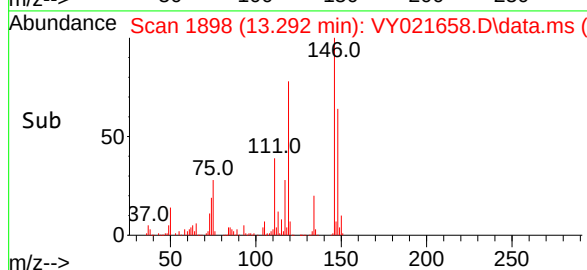
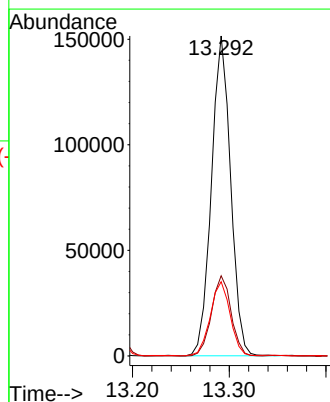
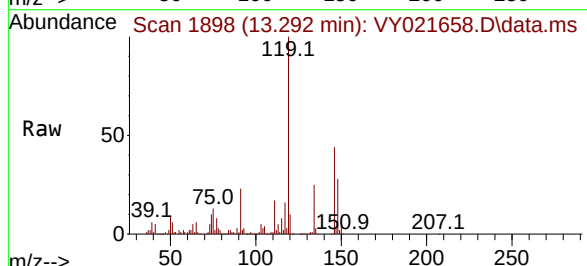
Tgt Ion:119 Resp: 209041

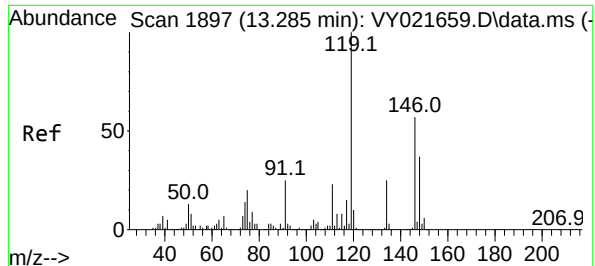
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.286 min Scan# 11168

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 11168

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

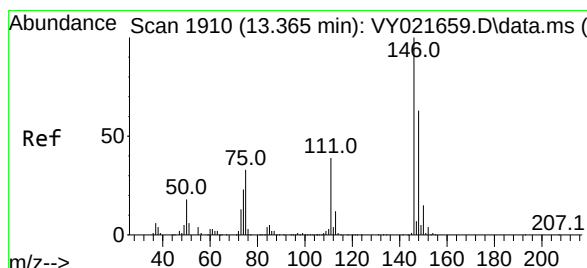
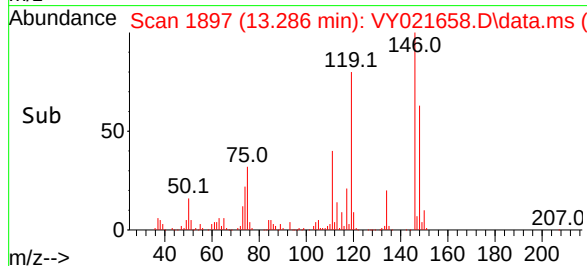
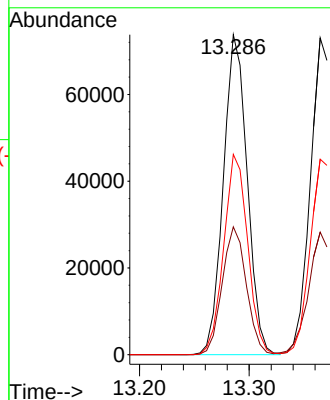
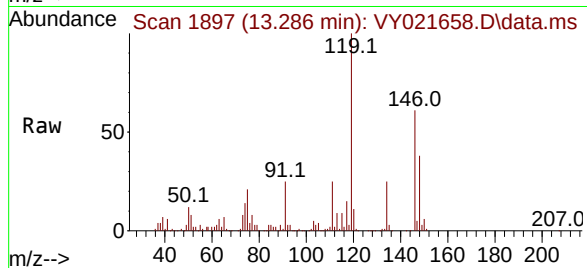
148 63.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 19.636 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

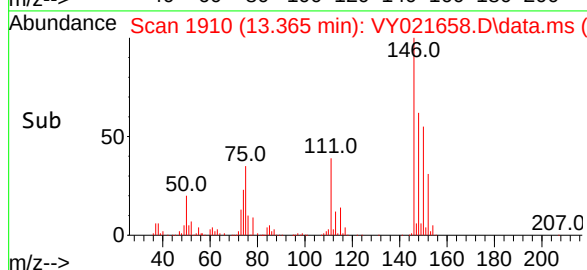
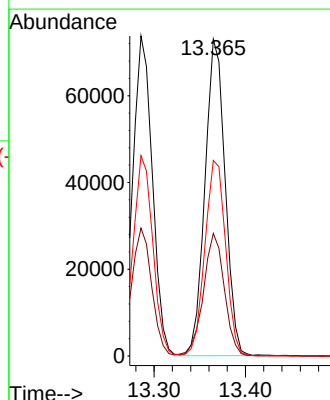
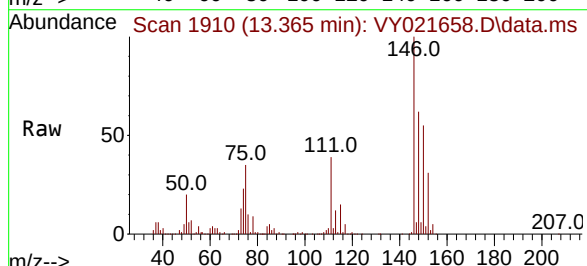
Tgt Ion:146 Resp: 111508

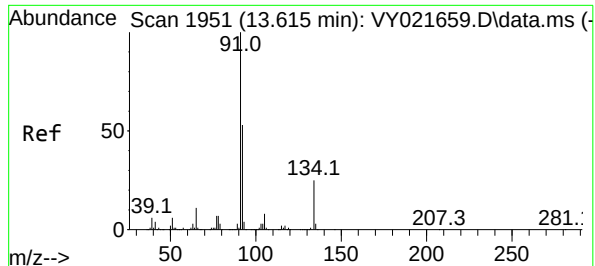
Ion Ratio Lower Upper

146 100

111 40.4 19.1 57.1

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 19.416 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 191838

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.2

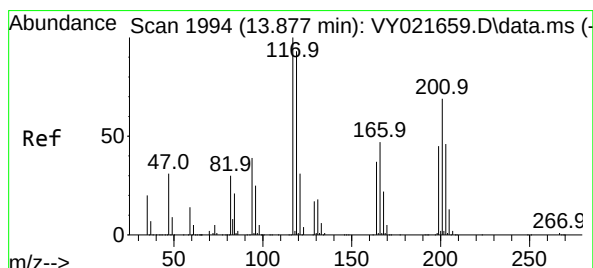
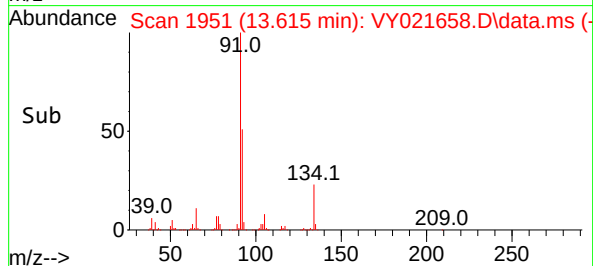
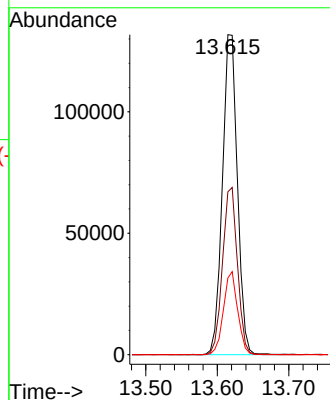
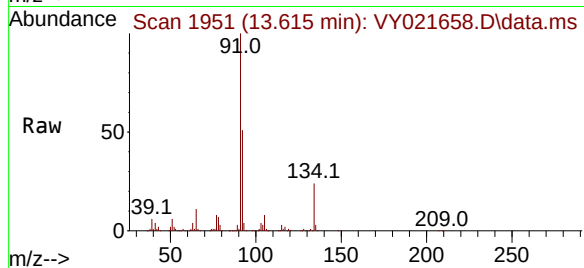
134 24.6 12.8 38.4

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 18.928 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021658.D

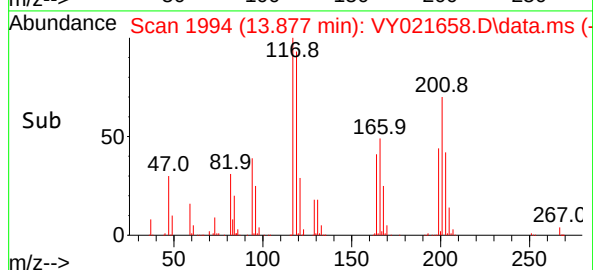
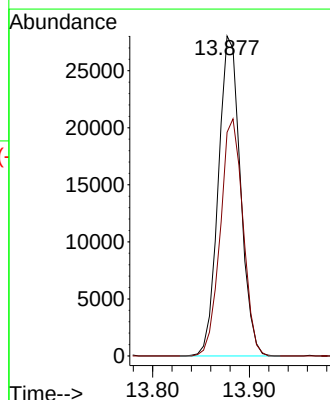
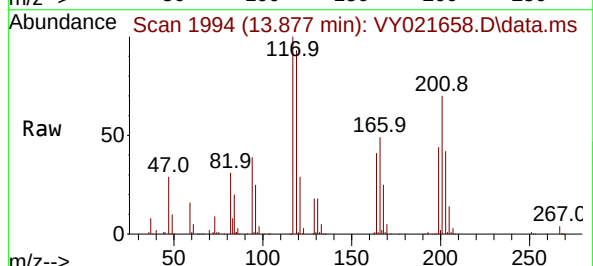
Acq: 27 Mar 2025 10:54

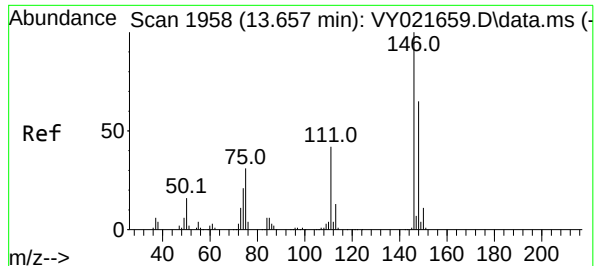
Tgt Ion:117 Resp: 44313

Ion Ratio Lower Upper

117 100

201 76.0 37.4 112.1





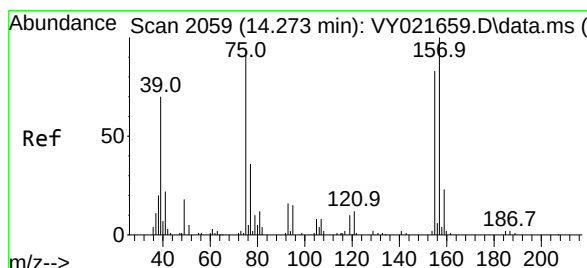
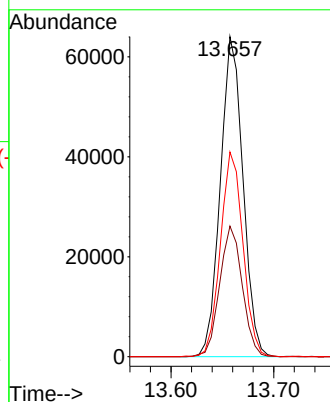
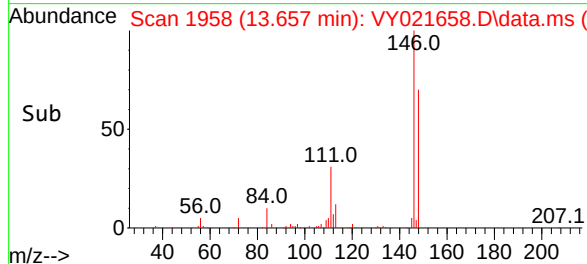
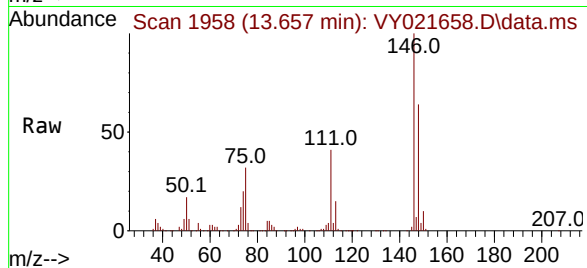
#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 97912
Ion Ratio Lower Upper
146 100
111 40.7 20.7 62.1
148 63.6 32.3 96.9

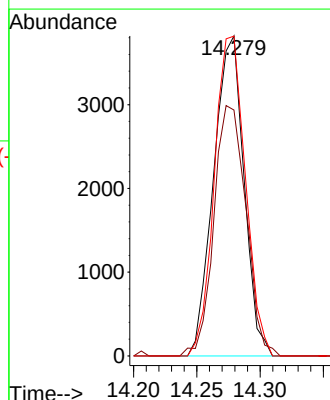
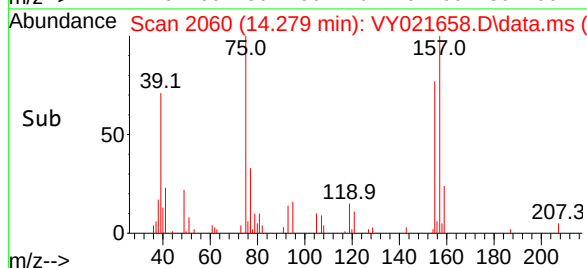
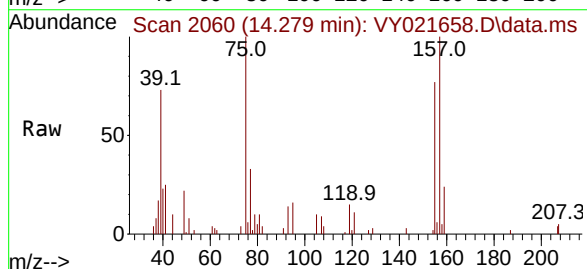
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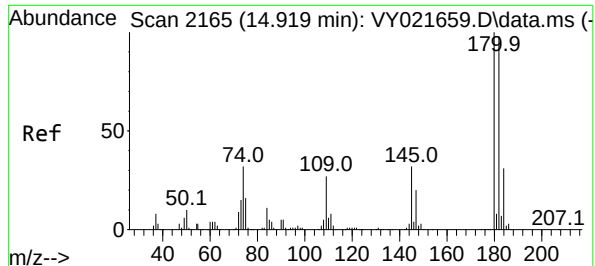
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369
Ion Ratio Lower Upper
75 100
155 82.7 43.0 128.8
157 102.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.971 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

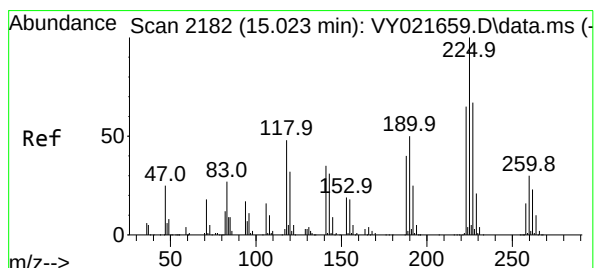
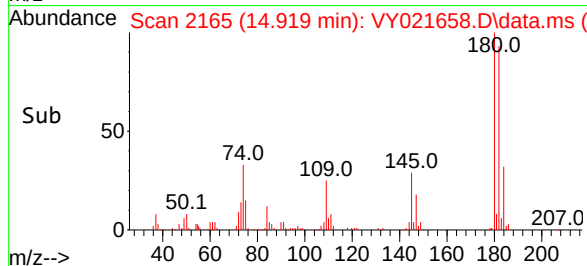
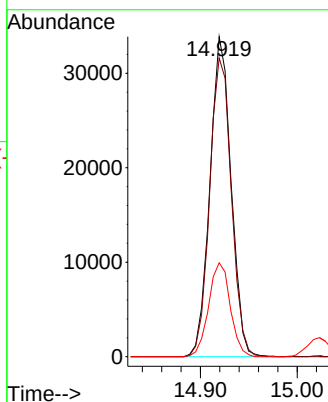
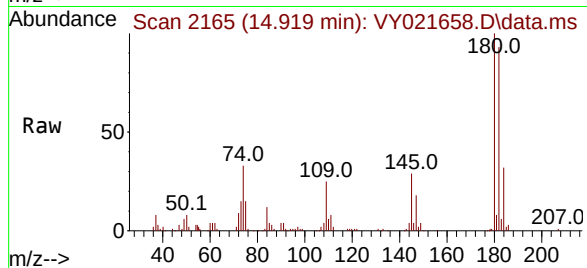
VSTDIC020

Tgt Ion:180	Resp:	51474
Ion Ratio	Lower	Upper
180	100	
182	95.5	47.5 142.6
145	30.0	14.9 44.9

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

Concen: 18.916 ug/l

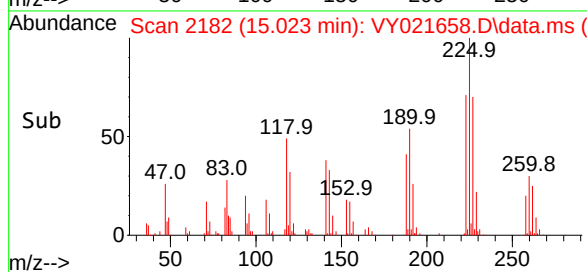
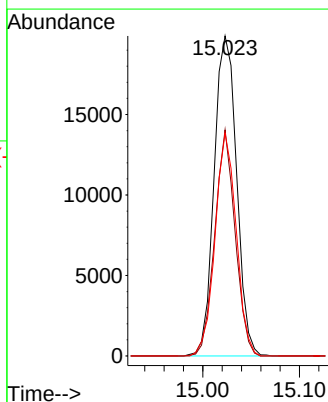
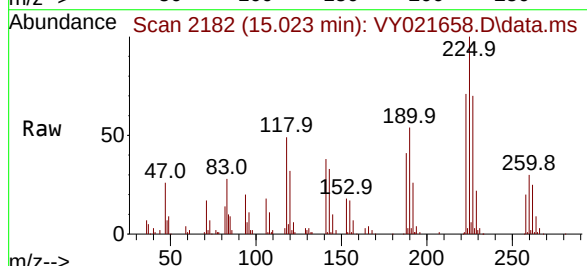
RT: 15.023 min Scan# 2182

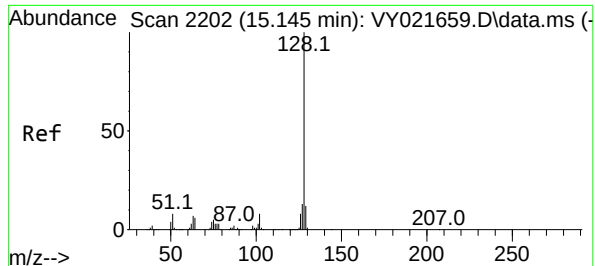
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

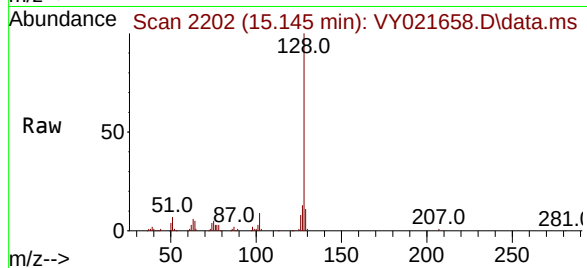
Tgt Ion:225	Resp:	32055
Ion Ratio	Lower	Upper
225	100	
223	64.0	31.9 95.7
227	65.5	32.4 97.0





#95
Naphthalene
Concen: 18.305 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

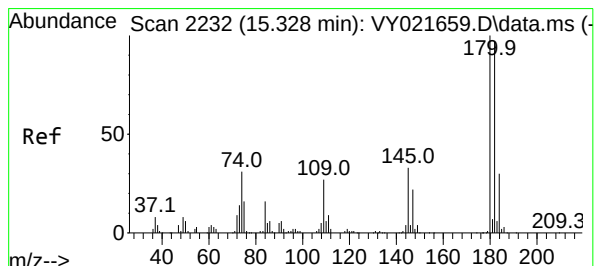
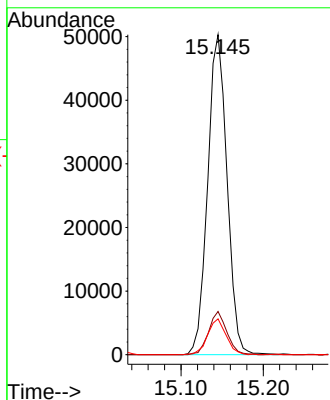
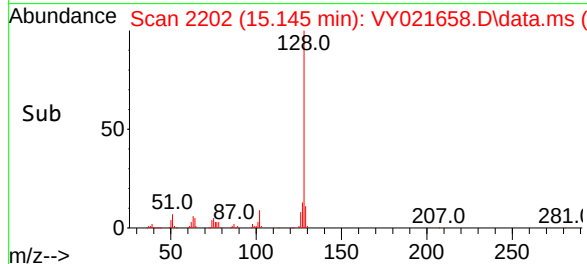
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



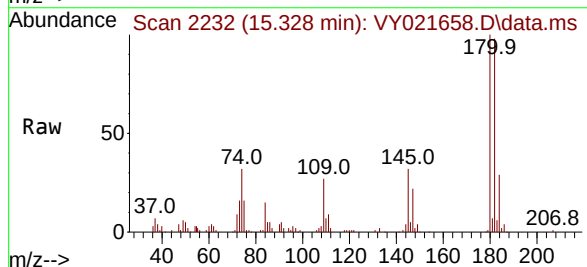
Tgt Ion:128 Resp: 82325
Ion Ratio Lower Upper
128 100
127 12.7 10.8 16.2
129 10.7 8.8 13.2

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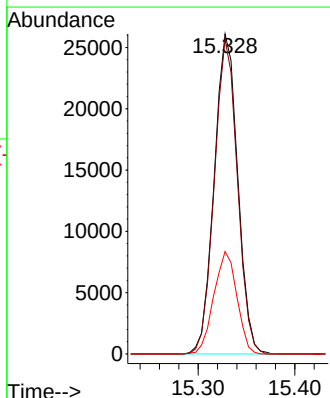
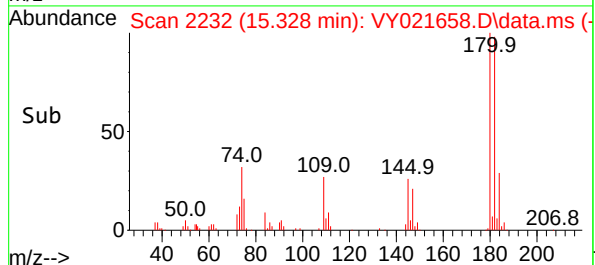
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.037 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54



Tgt Ion:180 Resp: 44047
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.5
145 31.3 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

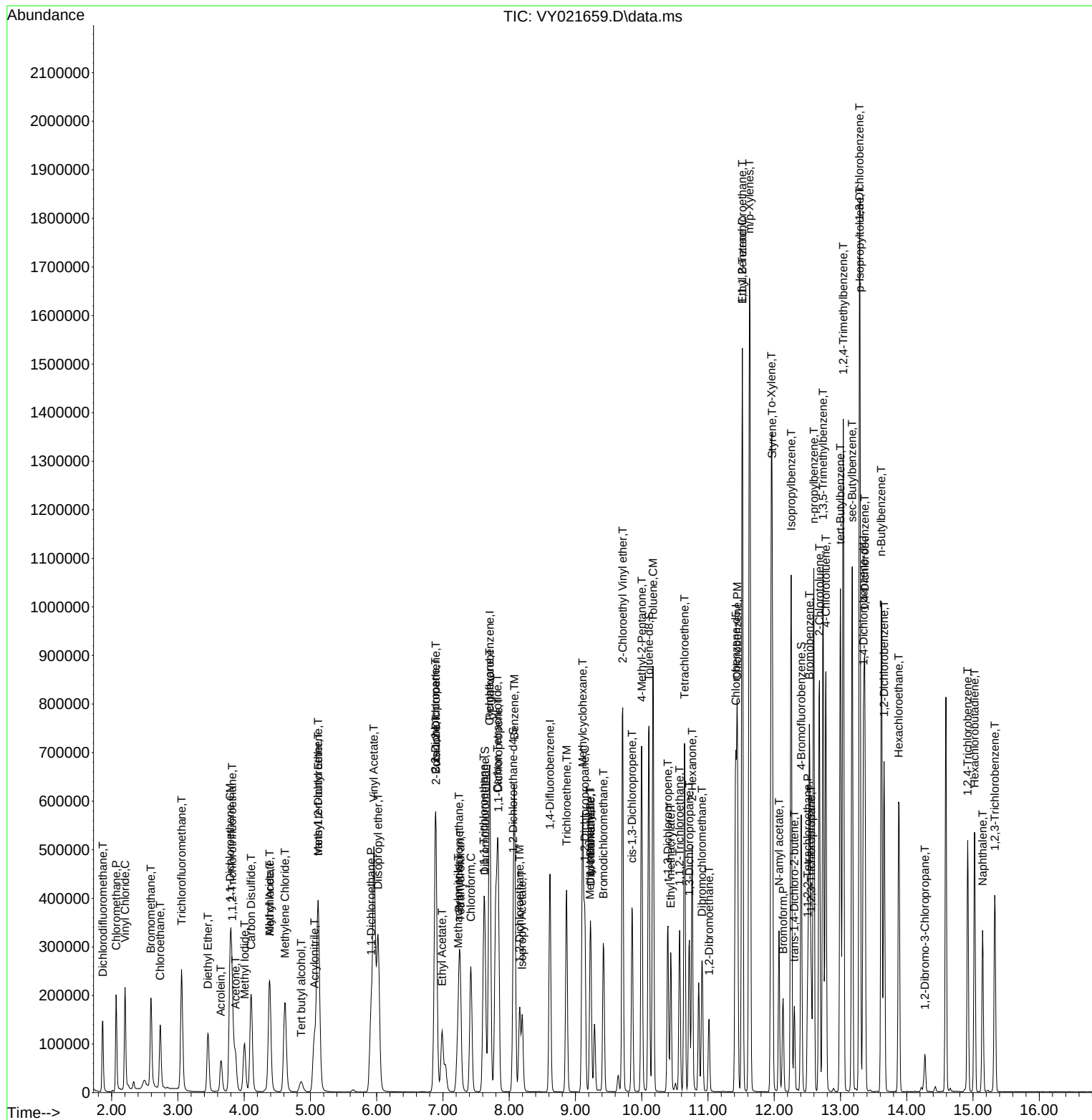
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Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

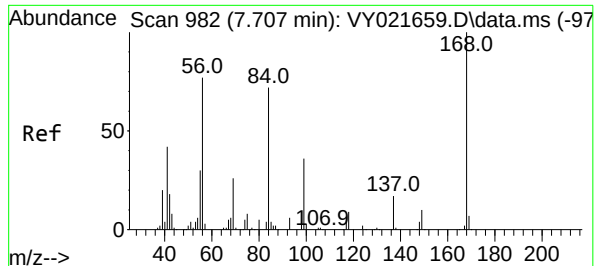
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :Romaben Patel 03/28/2025
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Quant Time: Mar 28 02:16:33 2025
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
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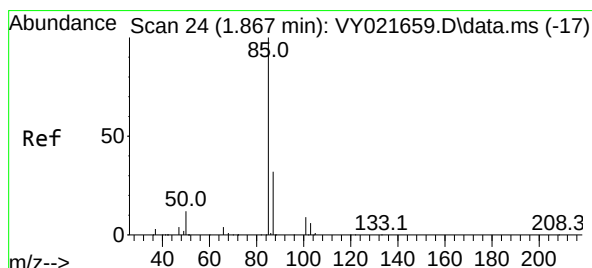
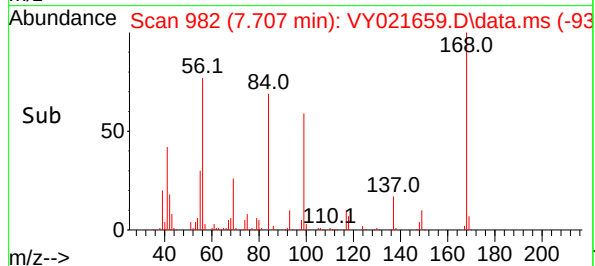
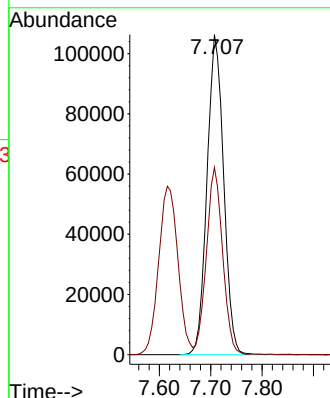
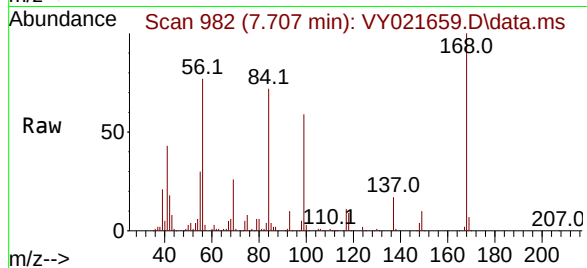
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 238234
Ion Ratio Lower Upper
168 100
99 58.4 46.7 70.1

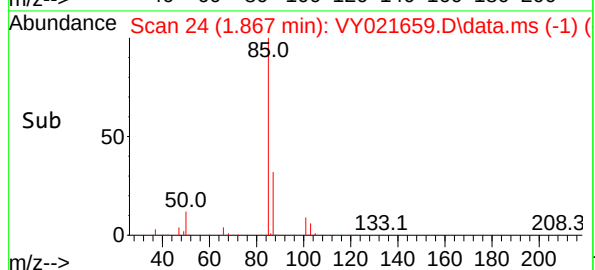
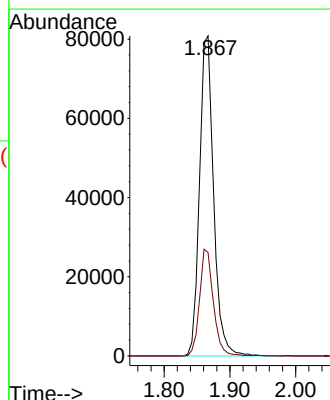
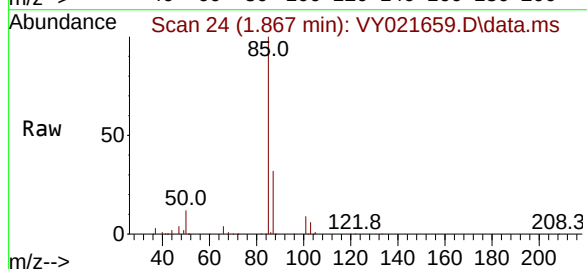
Manual Integrations
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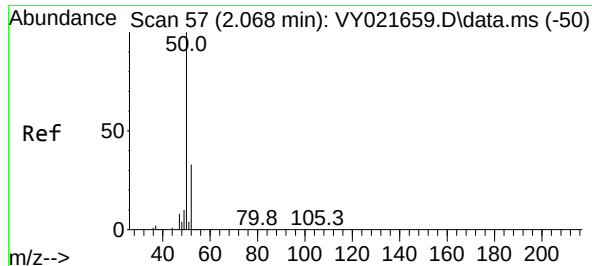
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 48.836 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 85 Resp: 120589
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6





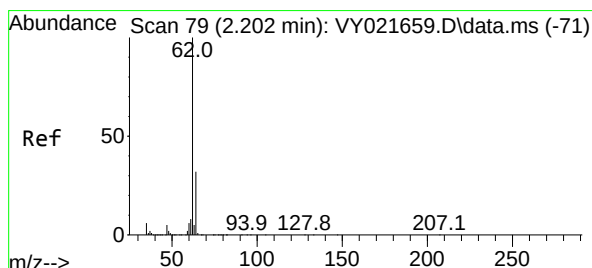
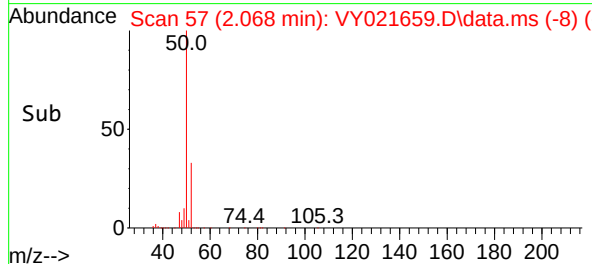
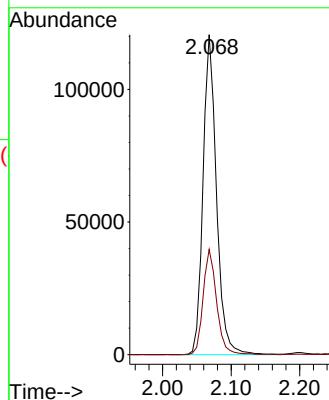
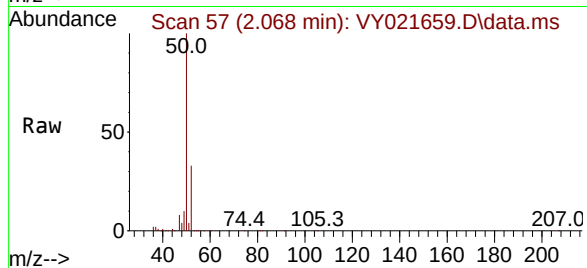
#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 16496
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

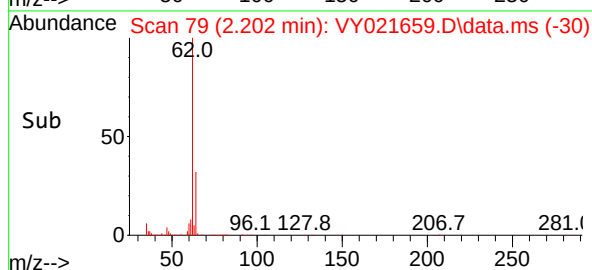
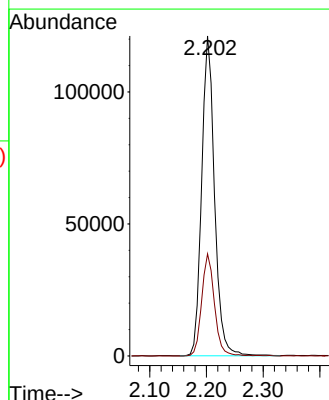
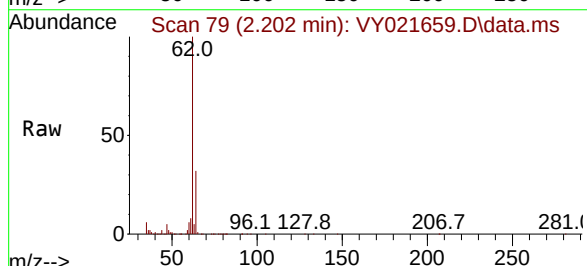
Manual Integrations
APPROVED

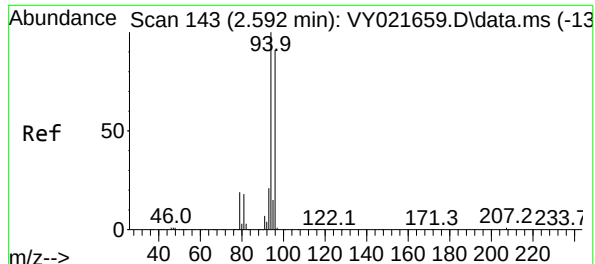
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 48.513 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

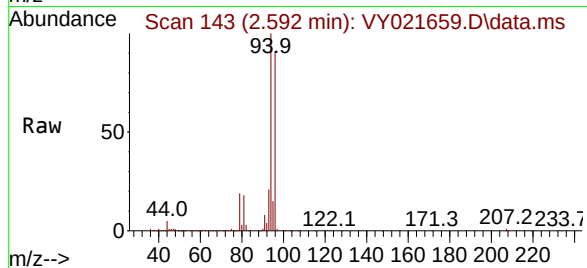
Tgt Ion: 62 Resp: 190491
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3





#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

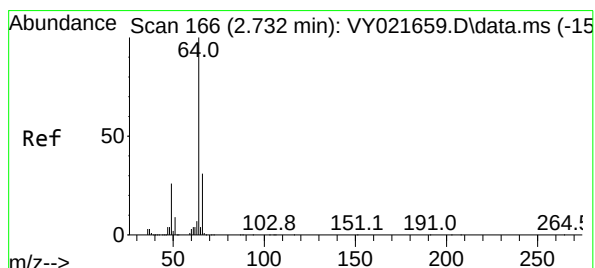
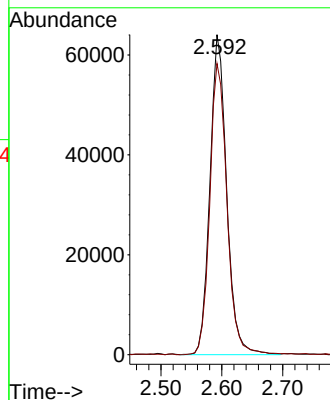
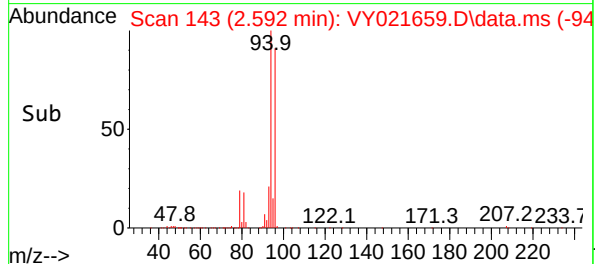
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 122288
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

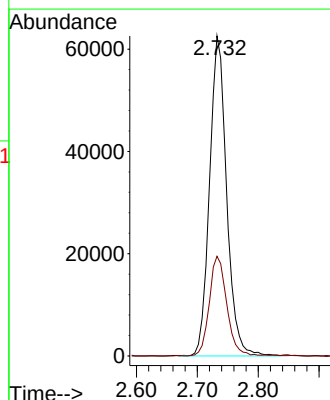
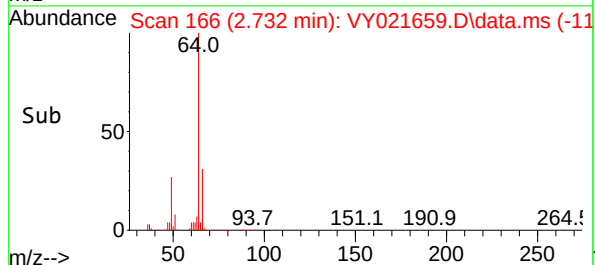
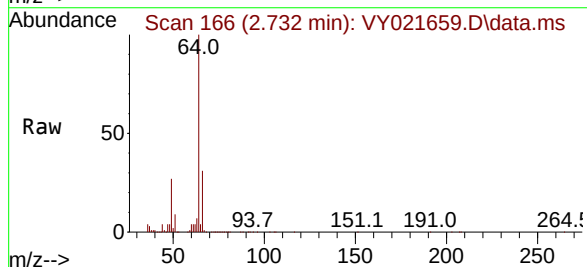
Manual Integrations
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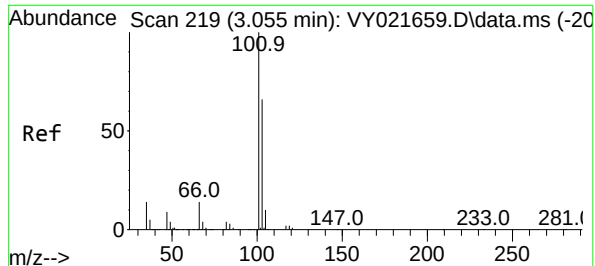
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

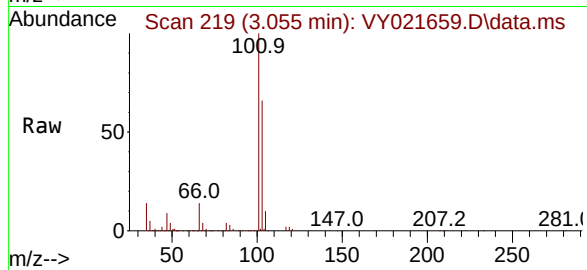
Tgt Ion: 64 Resp: 122027
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3





#7
Trichlorofluoromethane
Concen: 47.980 ug/l
RT: 3.055 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

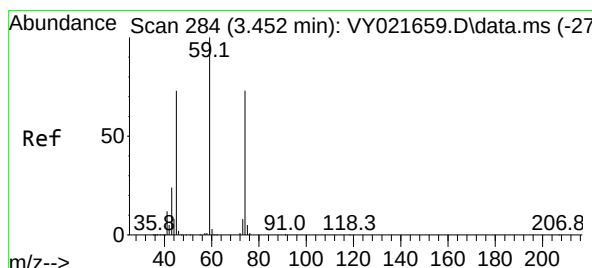
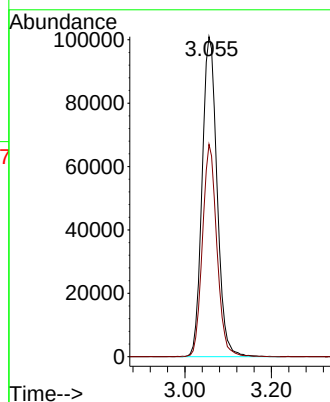
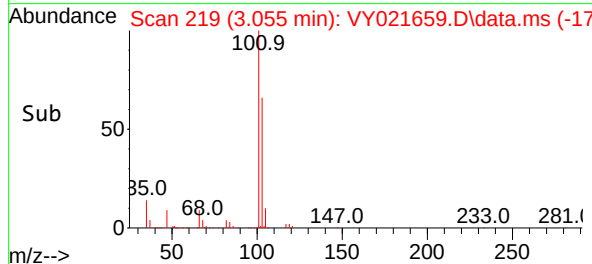
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 241339
Ion Ratio Lower Upper
101 100
103 66.4 53.1 79.7

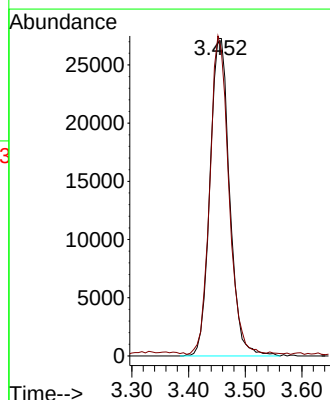
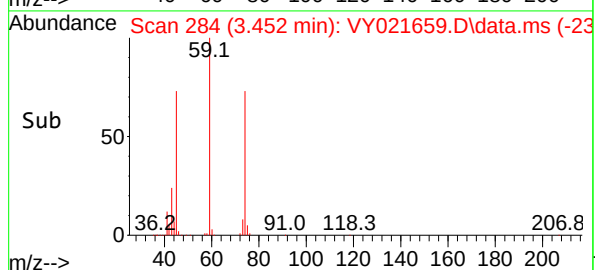
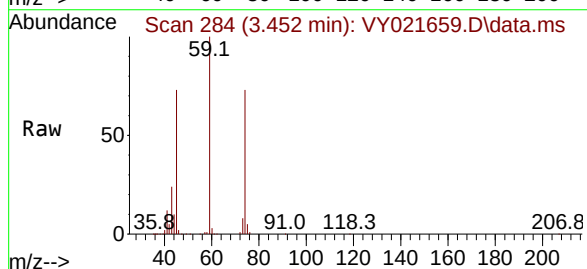
Manual Integrations
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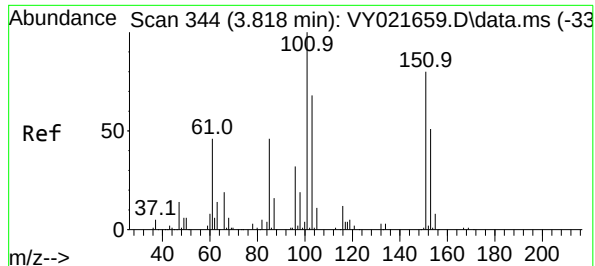
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 47.960 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605
Ion Ratio Lower Upper
74 100
45 97.2 48.6 145.8





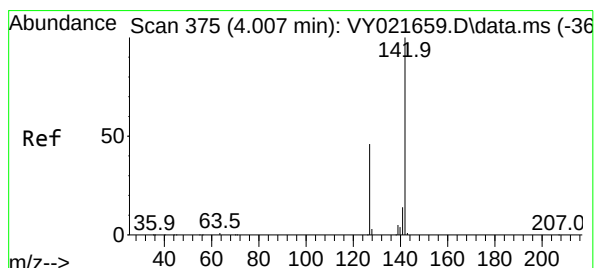
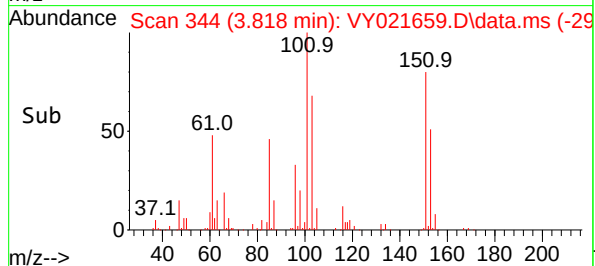
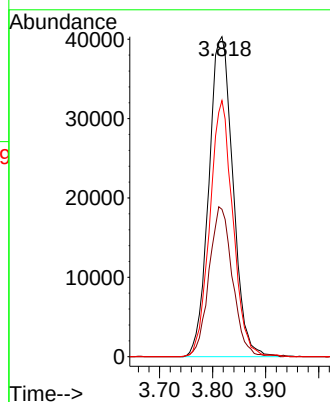
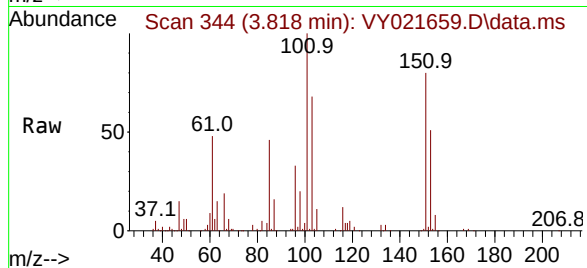
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 12776
Ion Ratio Lower Upper
101 100
85 45.4 36.3 54.5
151 76.6 61.3 91.9

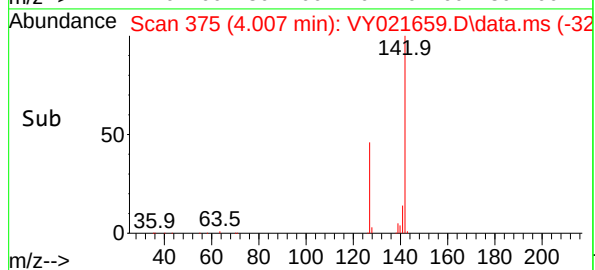
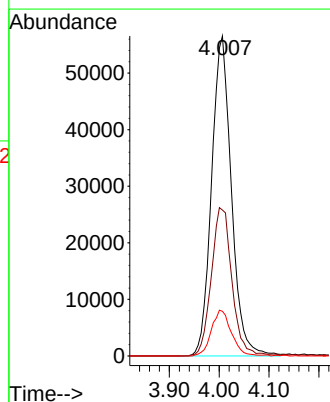
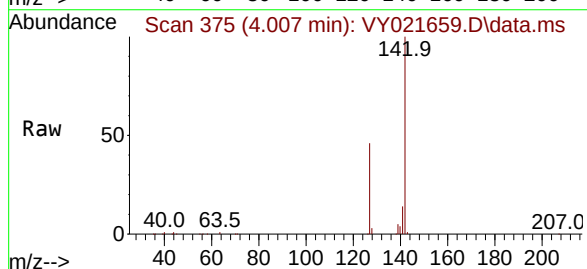
Manual Integrations
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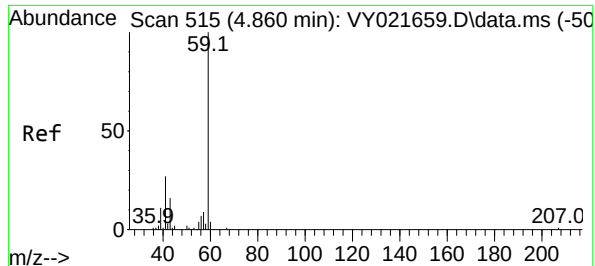
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 53.639 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:142 Resp: 156113
Ion Ratio Lower Upper
142 100
127 48.4 38.7 58.1
141 14.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 240.362 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 40298

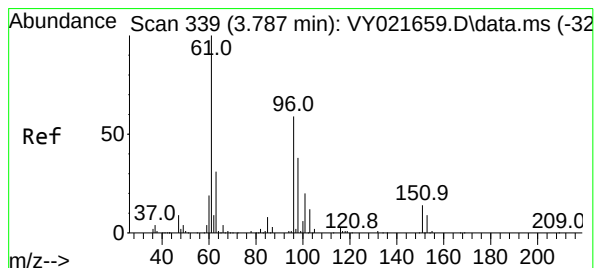
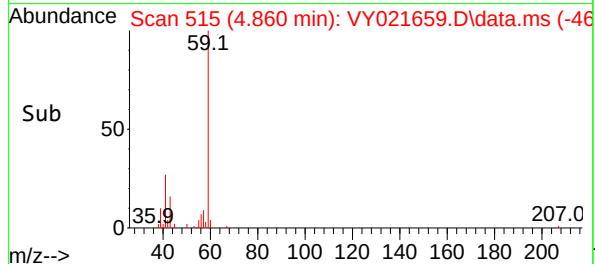
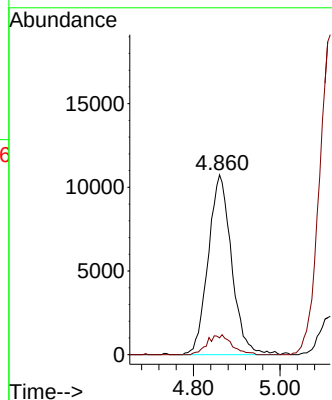
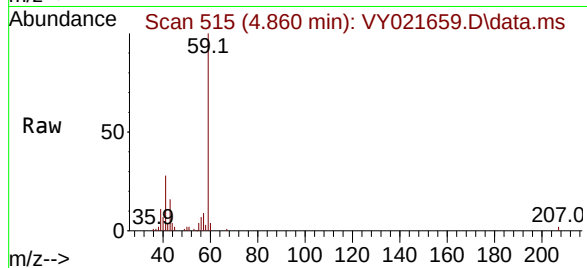
Ion Ratio Lower Upper

59 100

57 11.5 9.2 13.8

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#12

1,1-Dichloroethene

Concen: 48.991 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

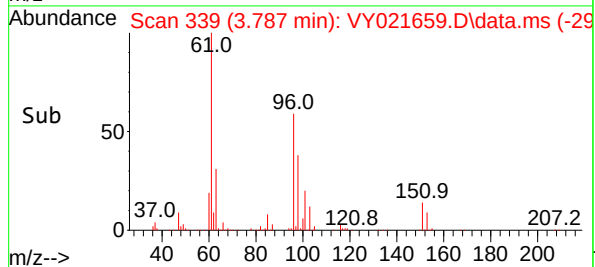
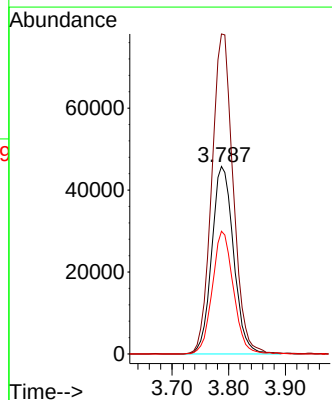
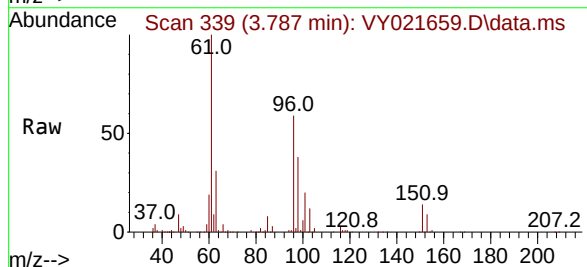
Tgt Ion: 96 Resp: 122422

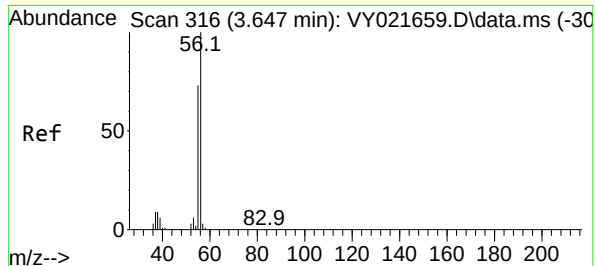
Ion Ratio Lower Upper

96 100

61 170.7 136.6 204.8

98 65.4 52.3 78.5





#13

Acrolein

Concen: 246.189 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 56 Resp: 7536

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0

Instrument :

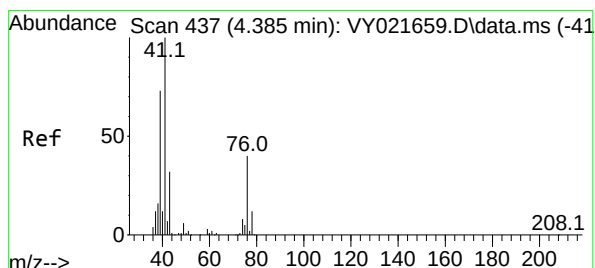
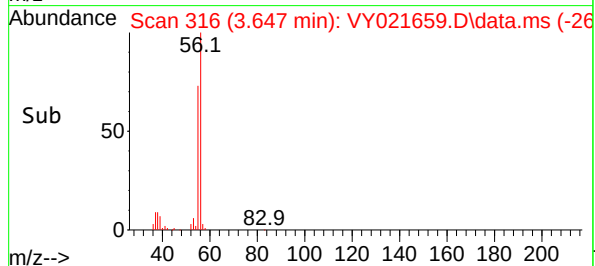
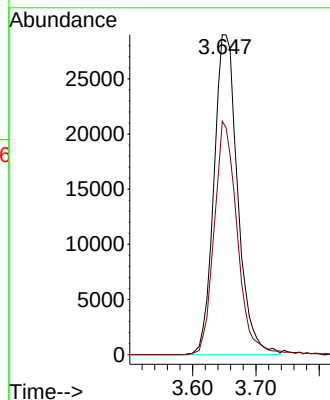
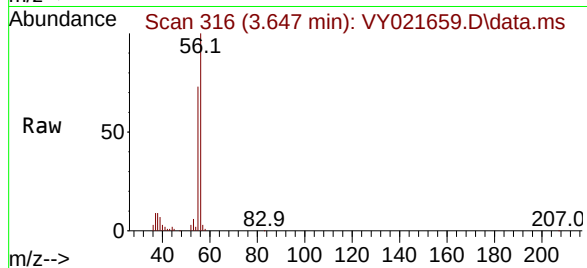
MSVOA_Y

ClientSampleId :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#14

Allyl chloride

Concen: 50.077 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

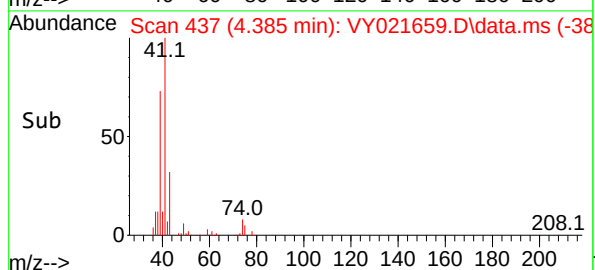
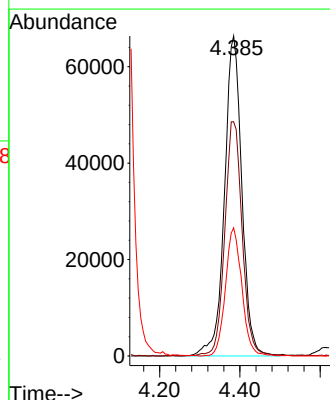
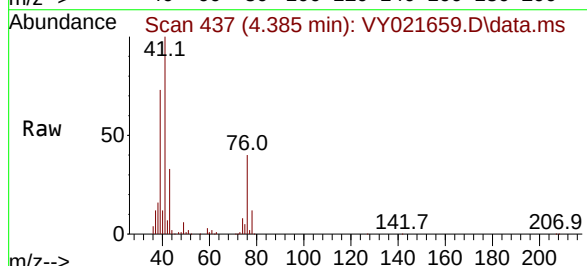
Tgt Ion: 41 Resp: 199515

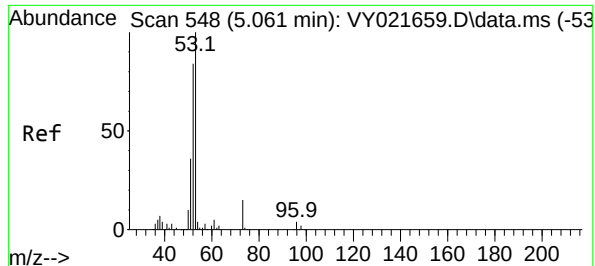
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 252.430 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 144179

Ion Ratio Lower Upper

53 100

52 81.1 64.9 97.3

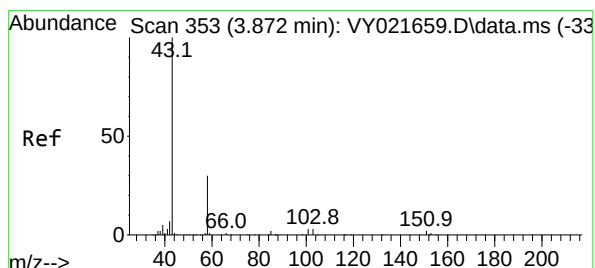
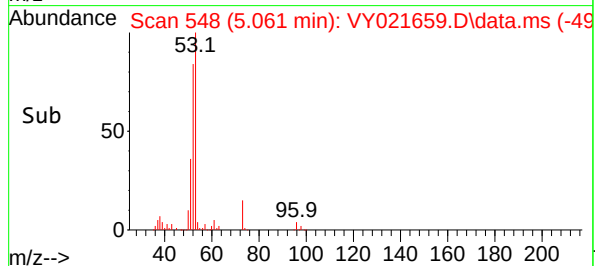
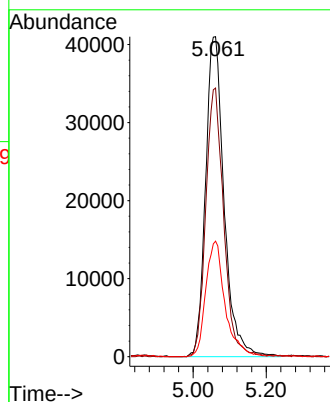
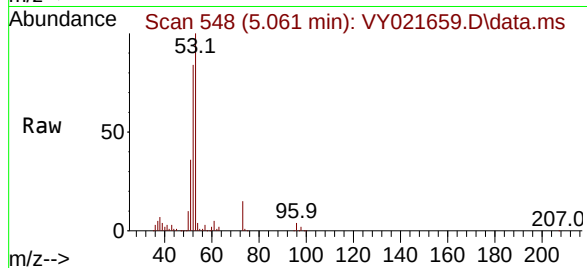
51 37.7 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 241.737 ug/l

RT: 3.872 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021659.D

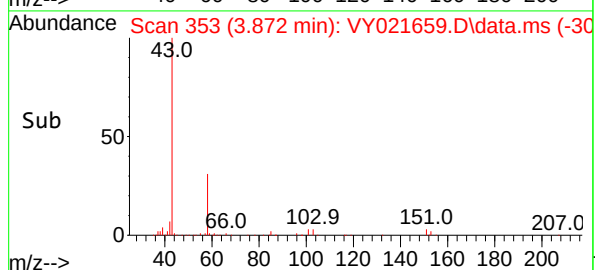
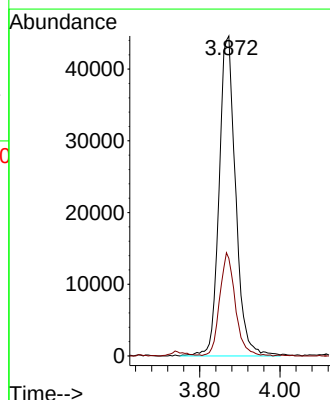
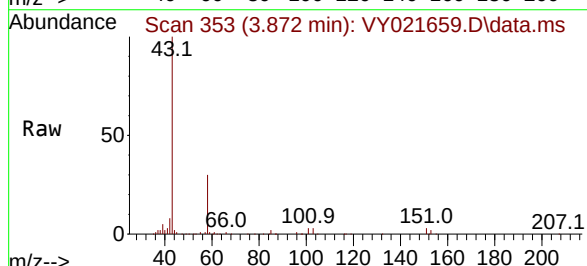
Acq: 27 Mar 2025 11:16

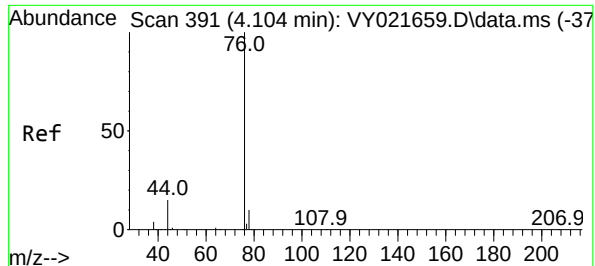
Tgt Ion: 43 Resp: 127702

Ion Ratio Lower Upper

43 100

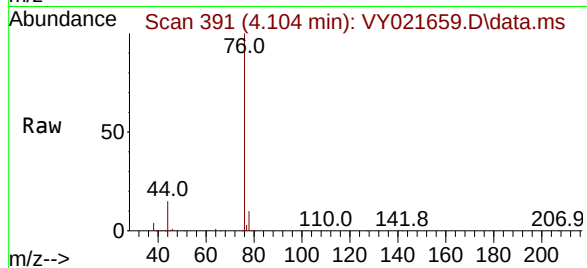
58 30.3 24.2 36.4





#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

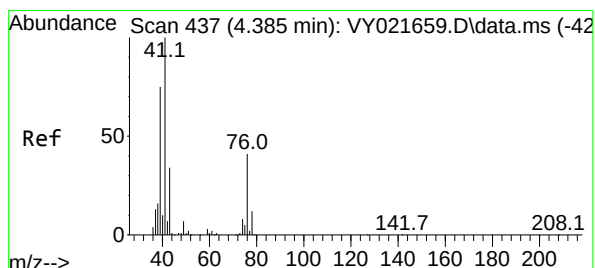
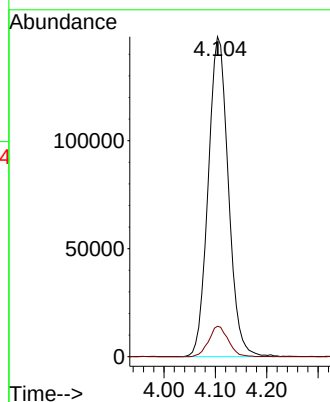
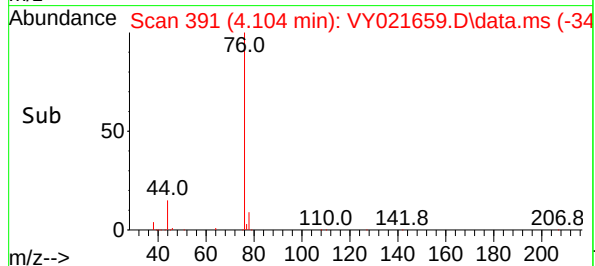
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 404128
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

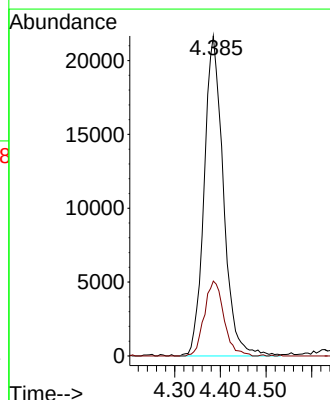
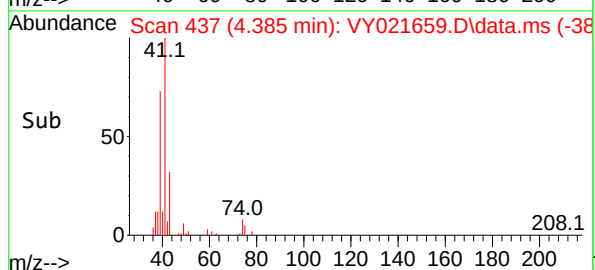
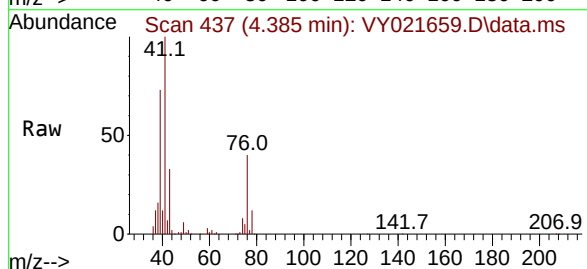
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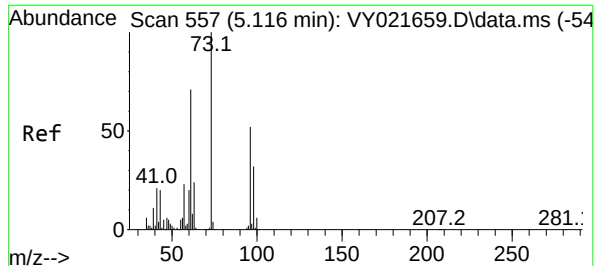
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.742 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 315679

Ion Ratio Lower Upper

73 100

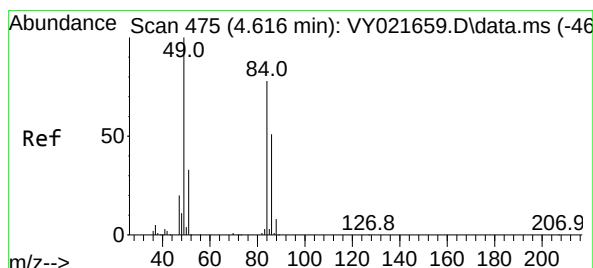
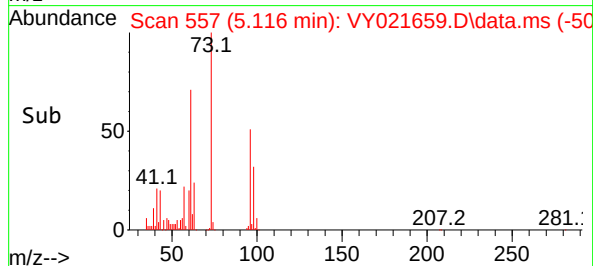
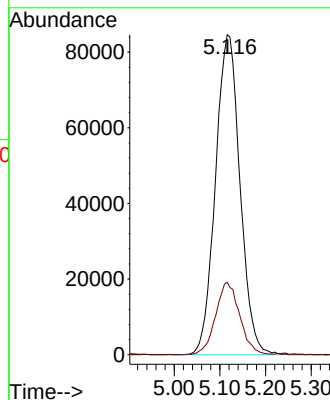
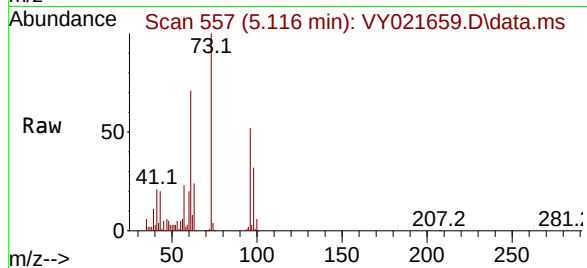
57 22.6 18.1 27.1

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 52.136 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

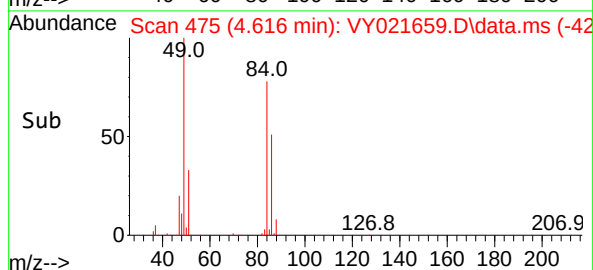
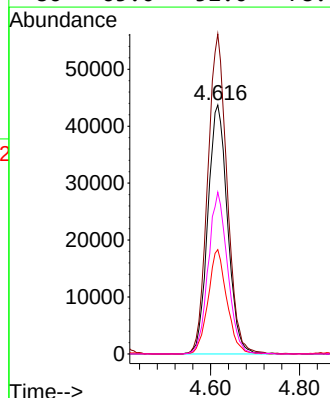
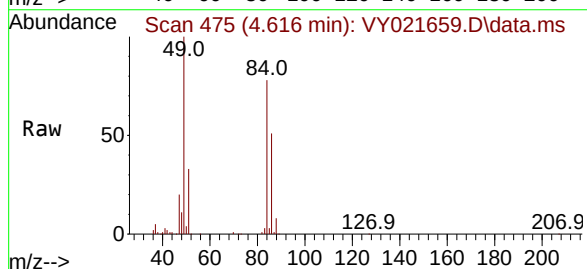
Ion Ratio Lower Upper

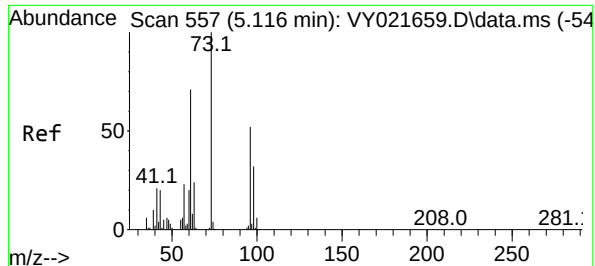
84 100

49 128.5 102.8 154.2

51 41.9 33.5 50.3

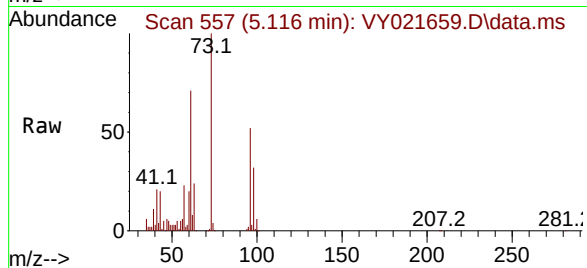
86 65.0 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 49.108 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

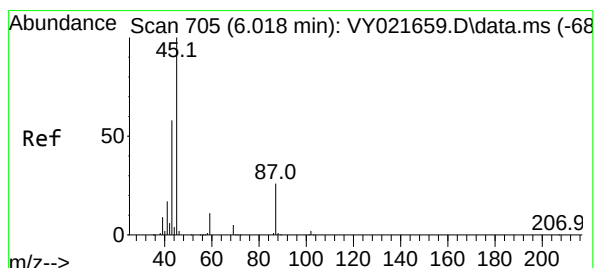
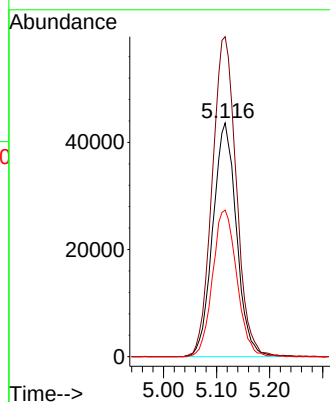
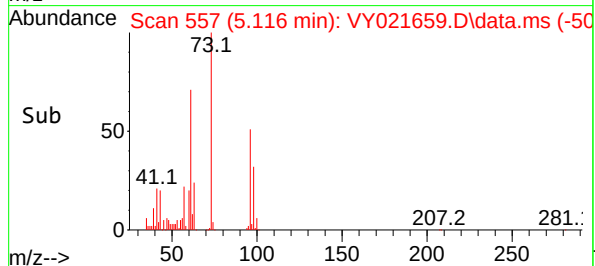
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 13511
Ion Ratio Lower Upper
96 100
61 136.7 109.4 164.0
98 62.7 50.2 75.2

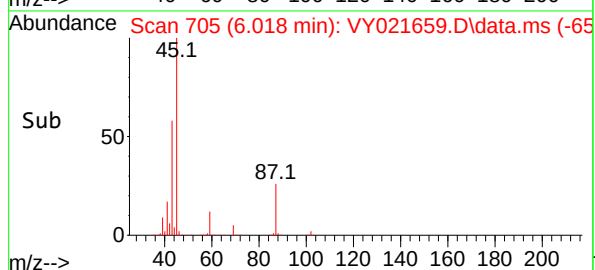
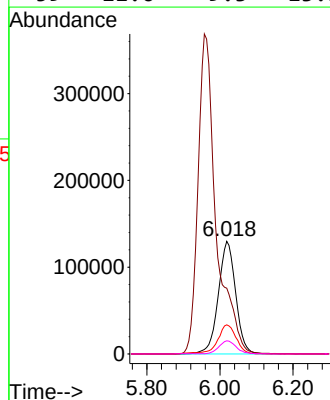
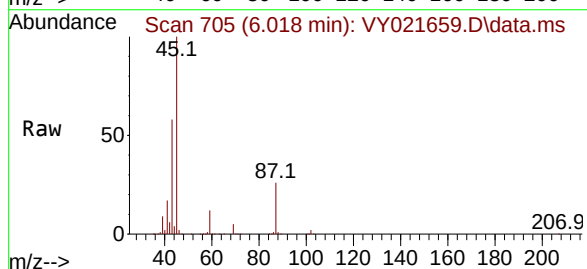
Manual Integrations
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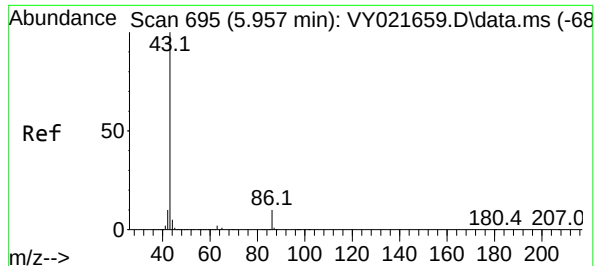
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881
Ion Ratio Lower Upper
45 100
43 58.2 46.6 69.8
87 25.9 20.7 31.1
59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 259.718 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

Client Sample Id :

VSTDICCC050

Tgt Ion: 43 Resp: 126985

Ion Ratio Lower Upper

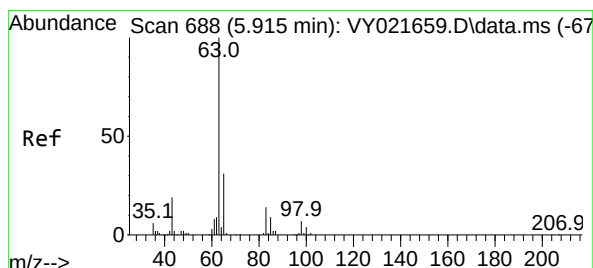
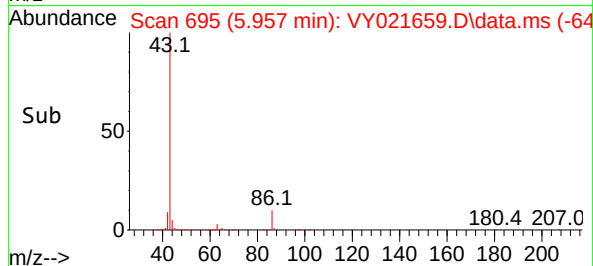
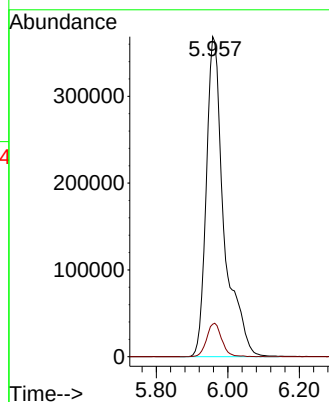
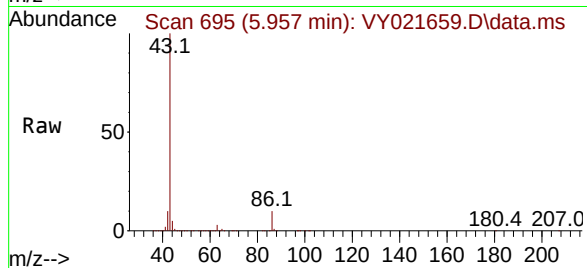
43 100

86 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 49.589 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

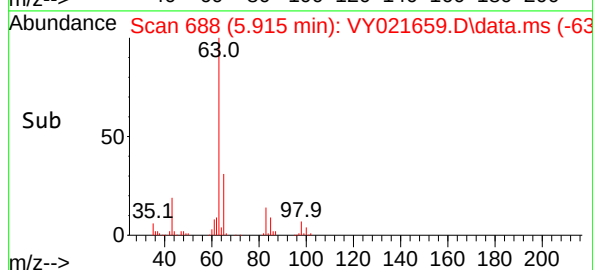
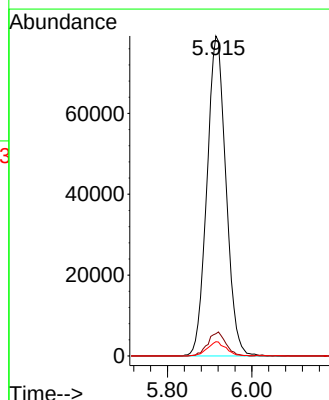
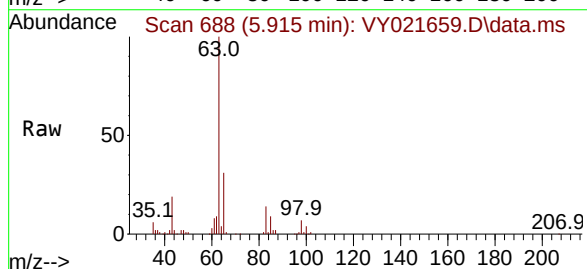
Tgt Ion: 63 Resp: 247826

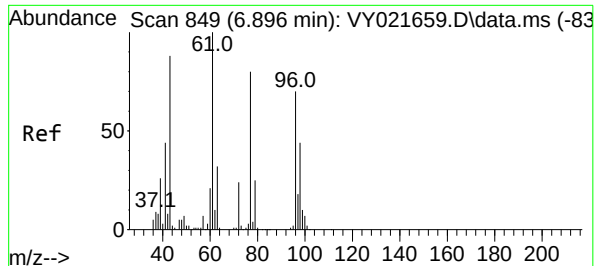
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 251.037 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 189410

Ion Ratio Lower Upper

43 100

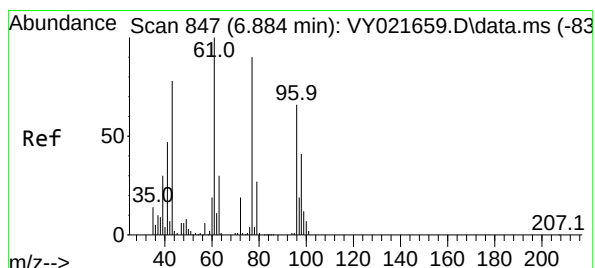
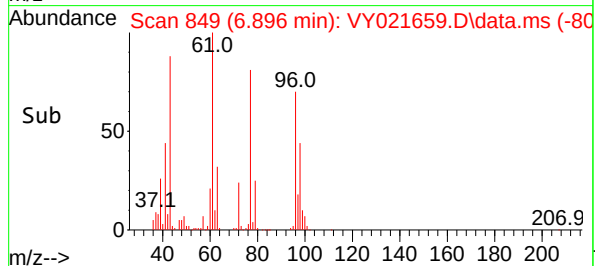
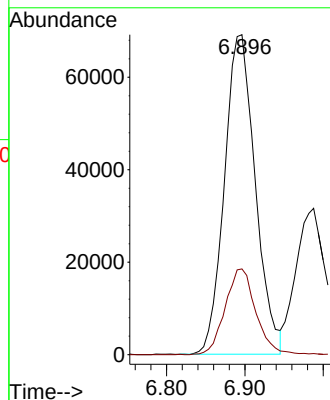
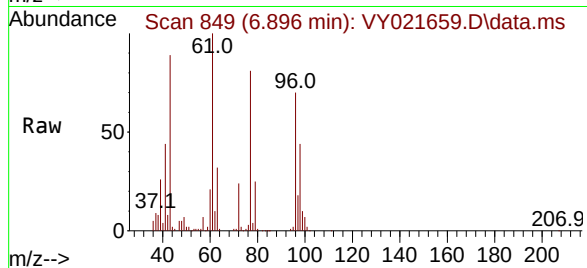
72 26.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 49.293 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021659.D

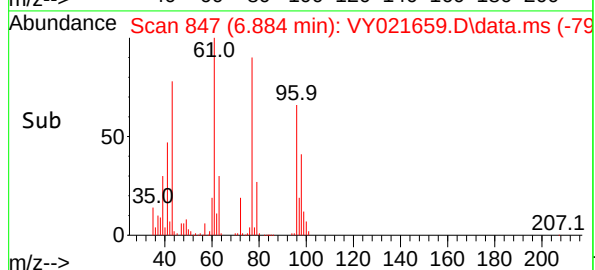
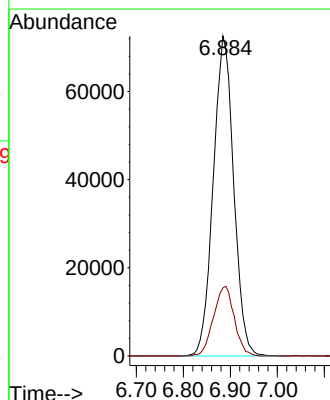
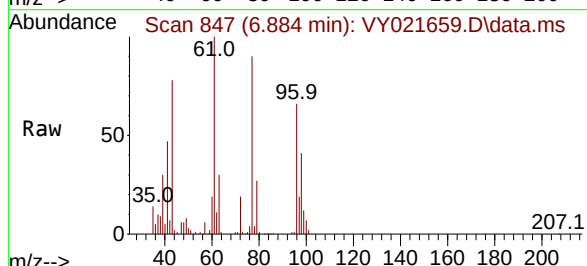
Acq: 27 Mar 2025 11:16

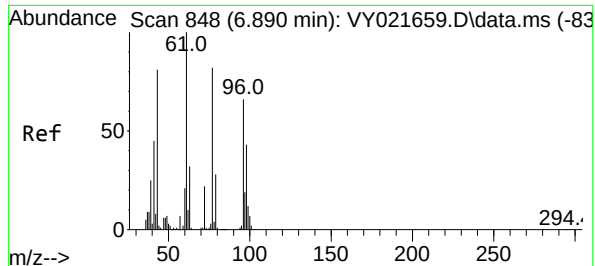
Tgt Ion: 77 Resp: 219131

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.214 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 15536

Ion Ratio Lower Upper

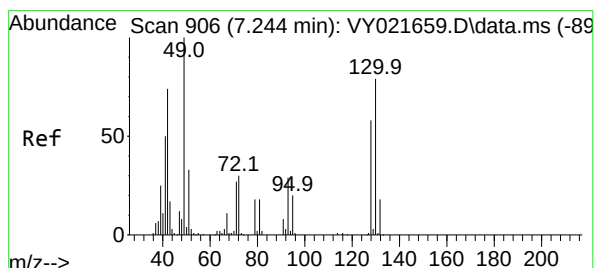
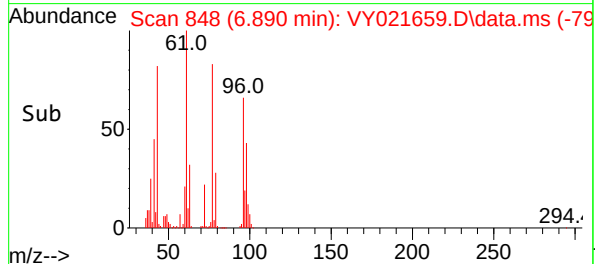
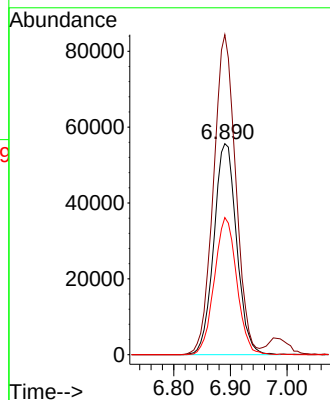
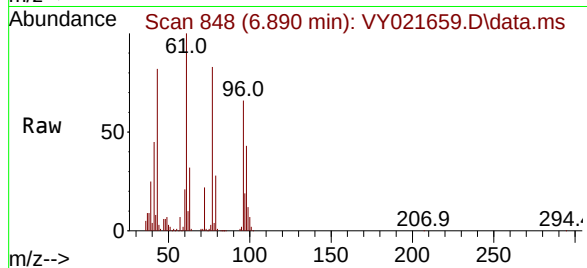
96 100

61 148.2 0.0 296.4

98 64.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#28

Bromochloromethane

Concen: 48.116 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

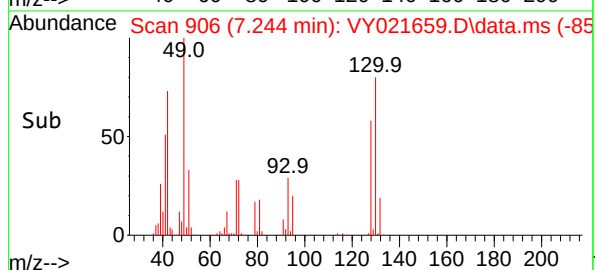
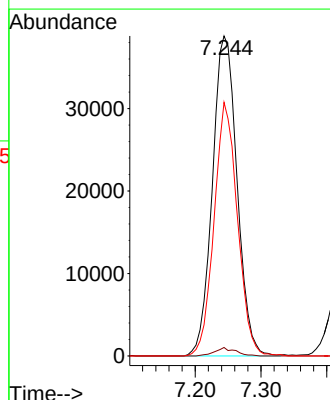
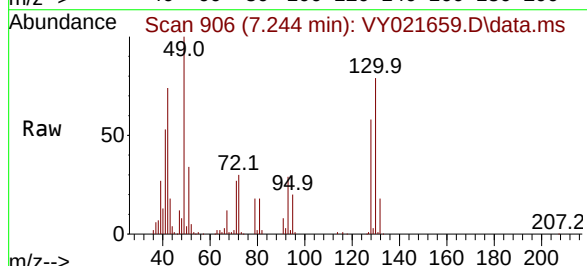
Tgt Ion: 49 Resp: 101413

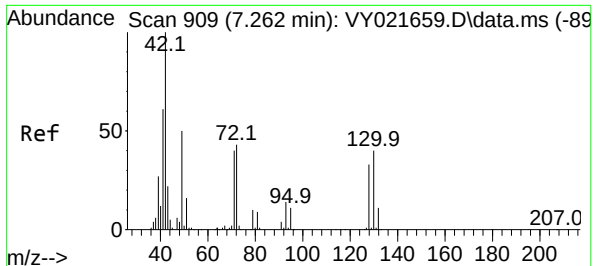
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 75.1 60.1 90.1





#29

Tetrahydrofuran

Concen: 258.206 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 12538

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

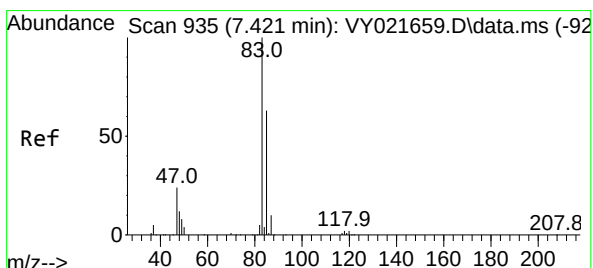
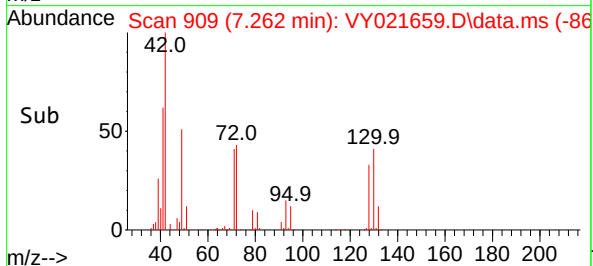
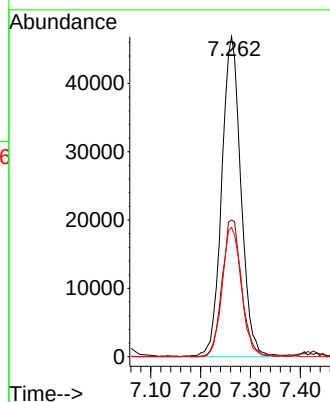
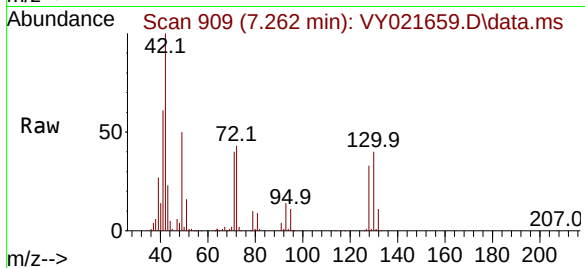
71 40.6 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 49.541 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021659.D

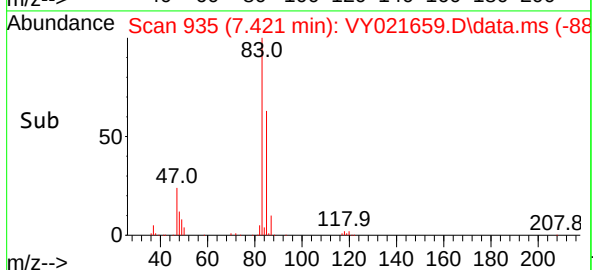
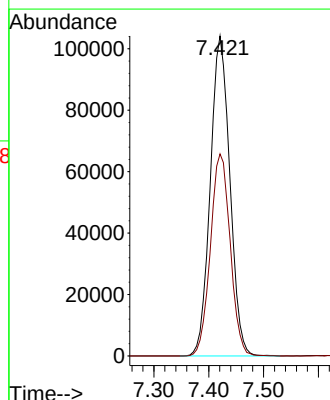
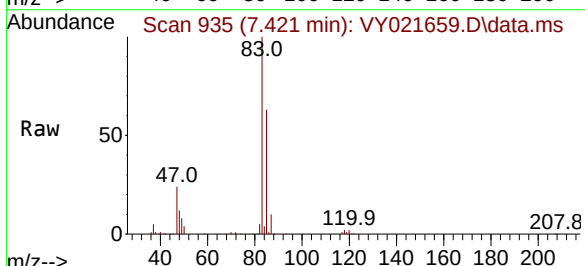
Acq: 27 Mar 2025 11:16

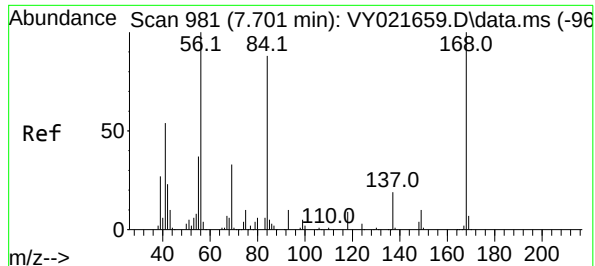
Tgt Ion: 83 Resp: 257511

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8





#31

Cyclohexane

Concen: 48.004 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 218689

Ion Ratio Lower Upper

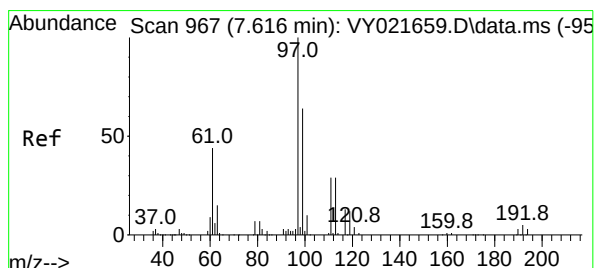
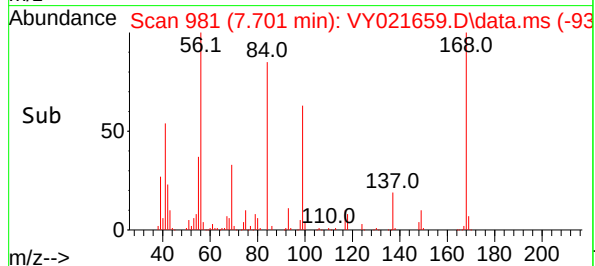
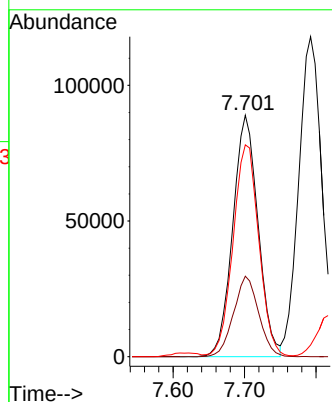
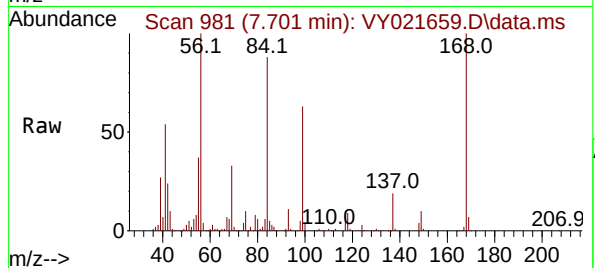
56 100

69 33.3 26.6 40.0

84 86.2 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#32

1,1,1-Trichloroethane

Concen: 49.051 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

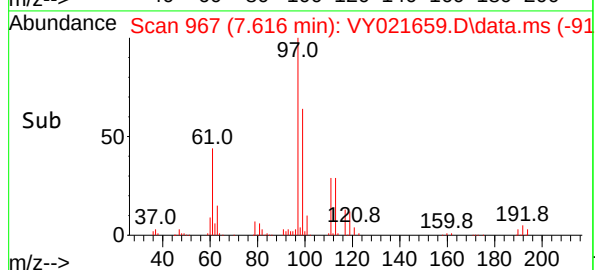
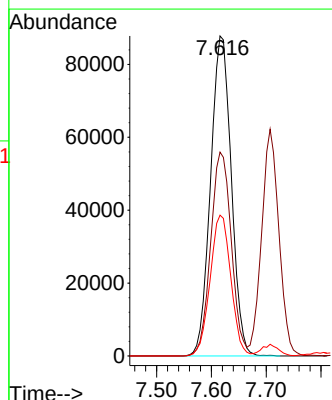
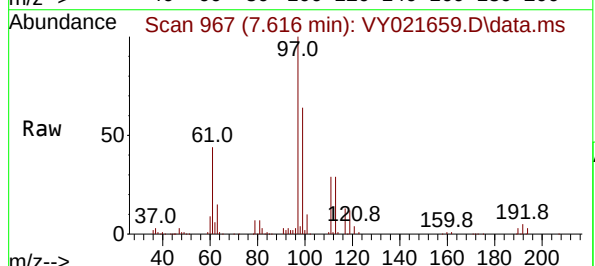
Tgt Ion: 97 Resp: 230441

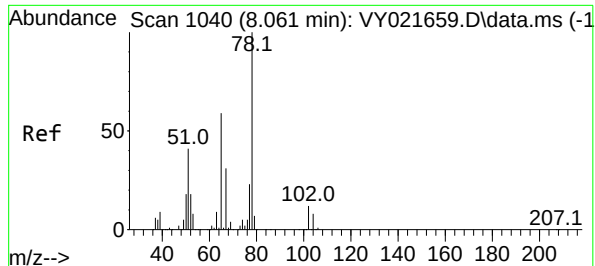
Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.552 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 130485

Ion Ratio Lower Upper

65 100

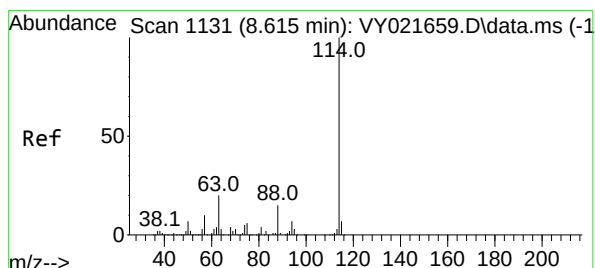
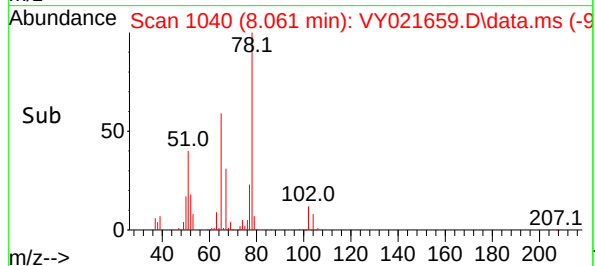
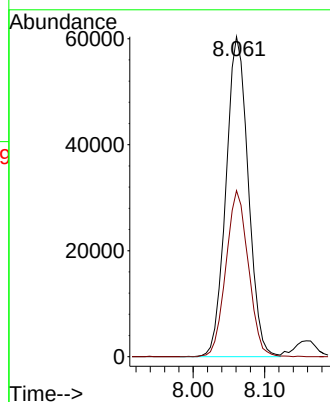
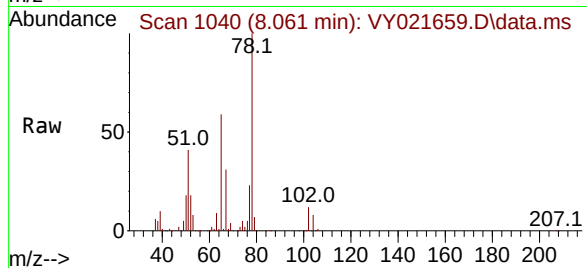
67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

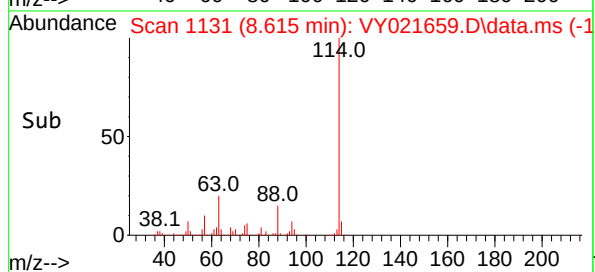
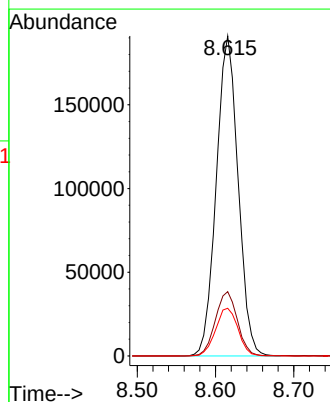
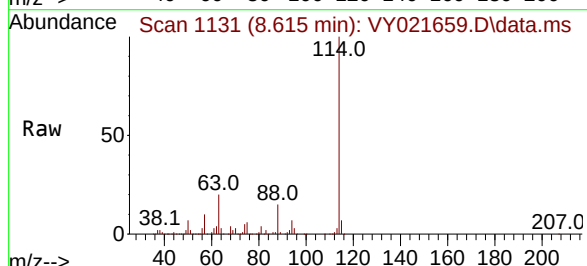
Tgt Ion:114 Resp: 369963

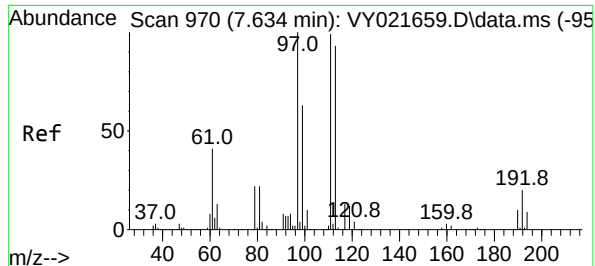
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.259 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 12541

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

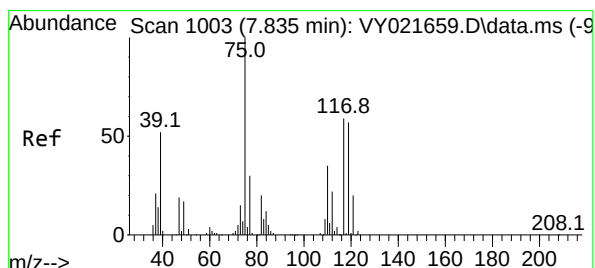
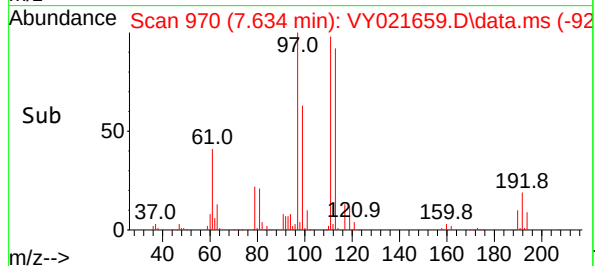
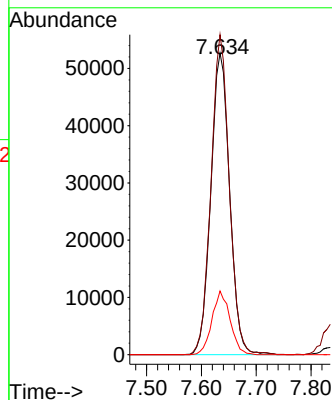
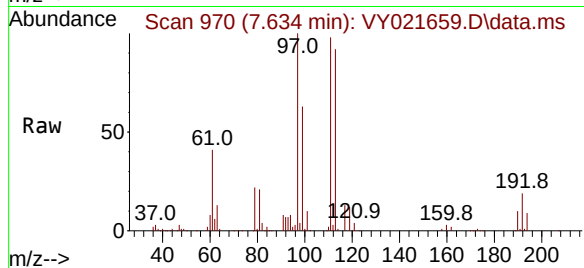
192 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 50.763 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

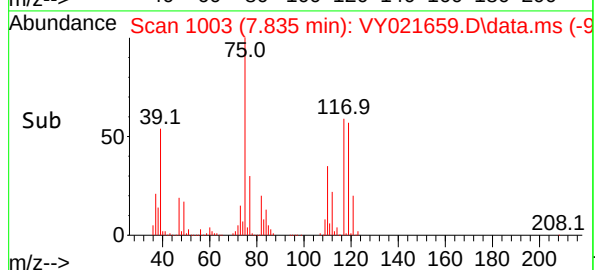
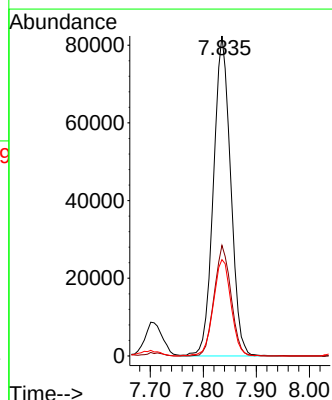
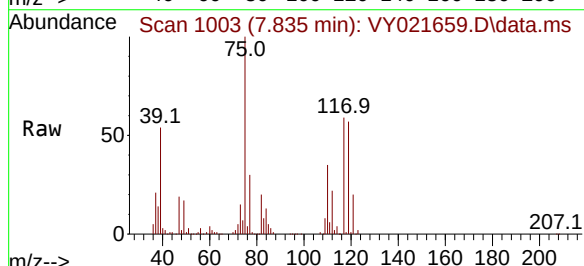
Tgt Ion: 75 Resp: 185559

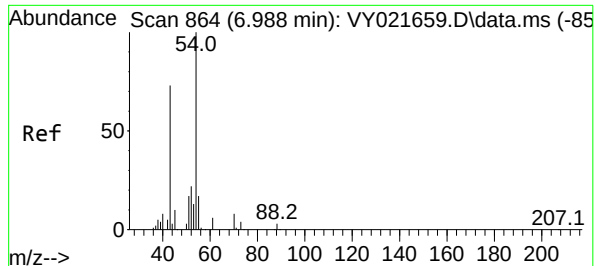
Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 50.617 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 8732

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.6

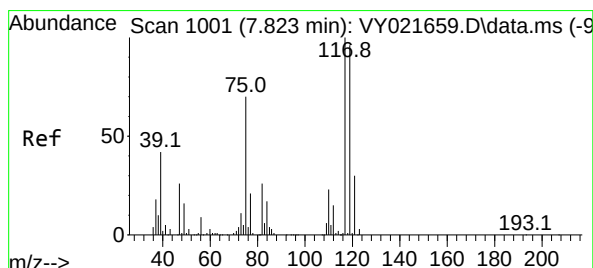
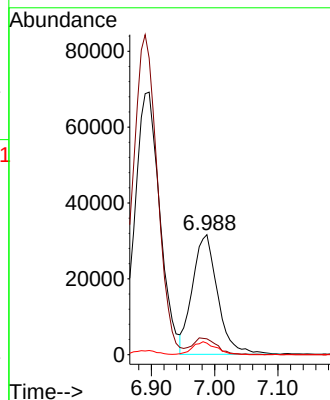
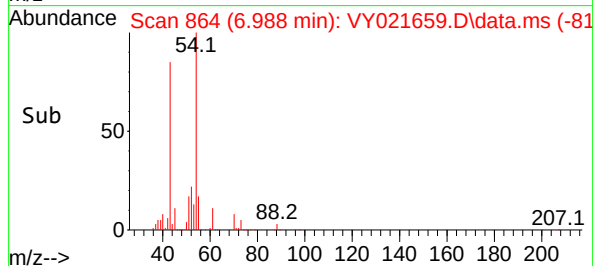
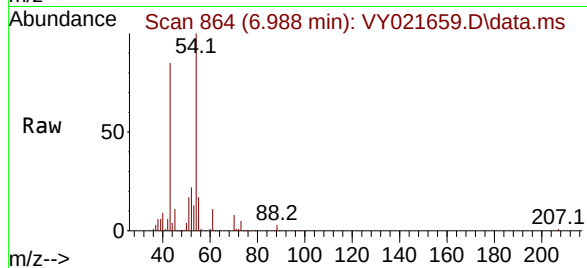
70 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 49.810 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

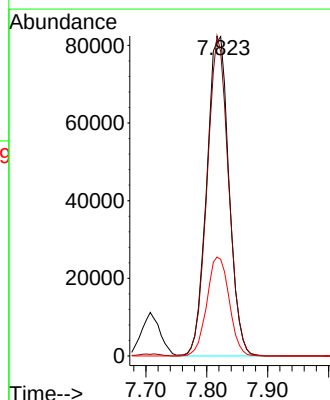
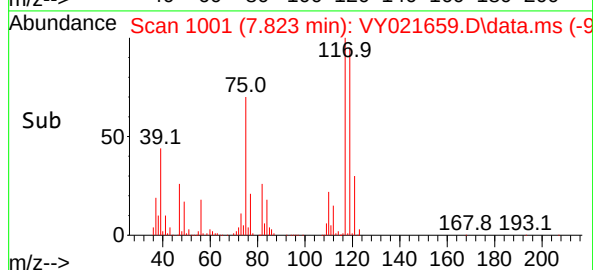
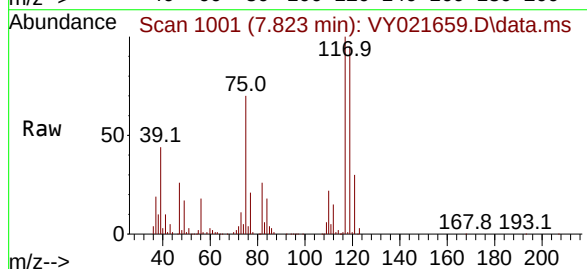
Tgt Ion:117 Resp: 208537

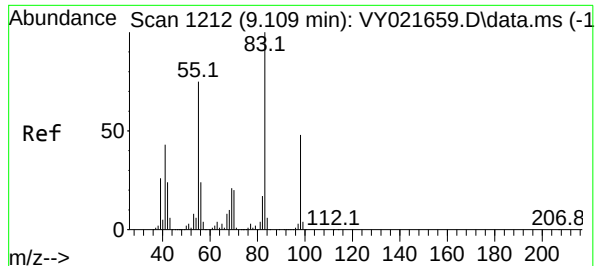
Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.4

121 30.3 24.2 36.4





#39

Methylcyclohexane

Concen: 52.472 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 229134

Ion Ratio Lower Upper

83 100

55 74.6 59.7 89.5

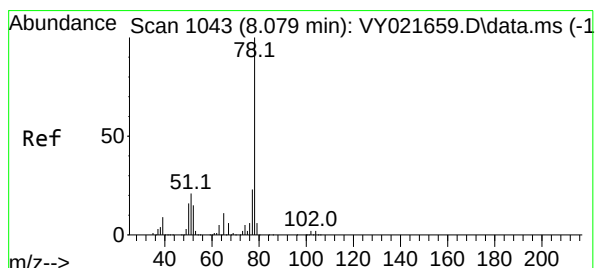
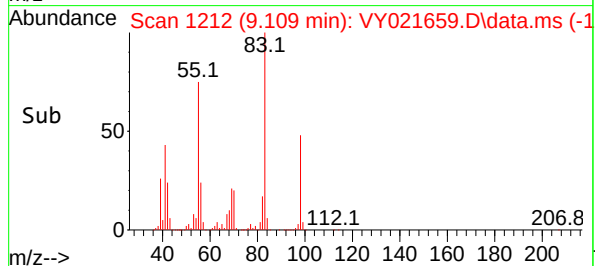
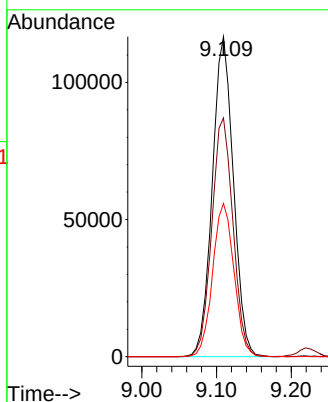
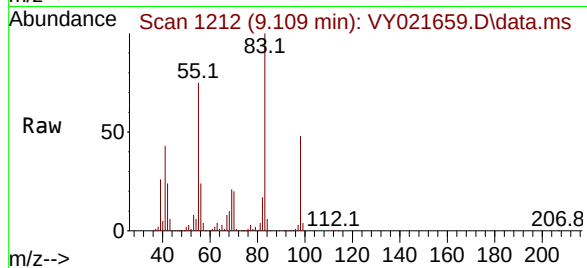
98 47.9 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 50.649 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021659.D

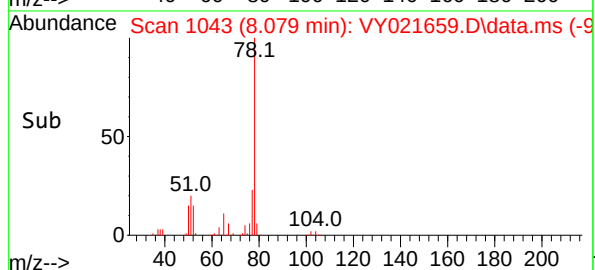
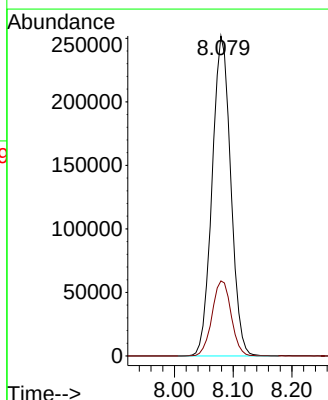
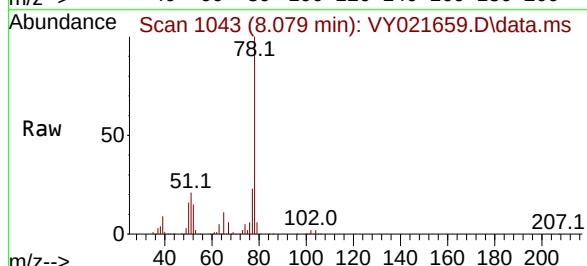
Acq: 27 Mar 2025 11:16

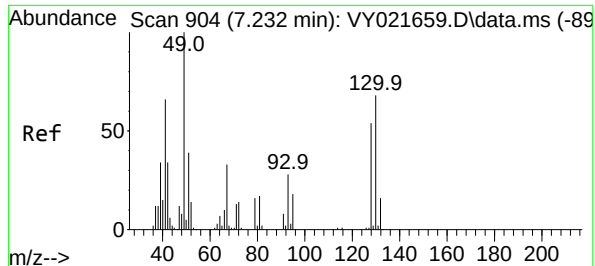
Tgt Ion: 78 Resp: 554462

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2





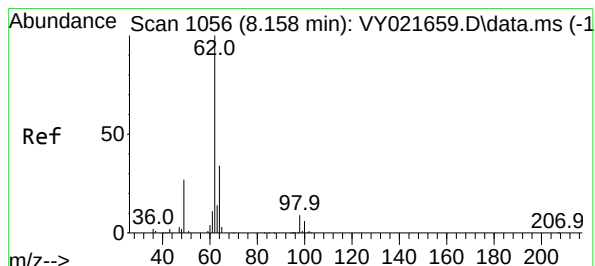
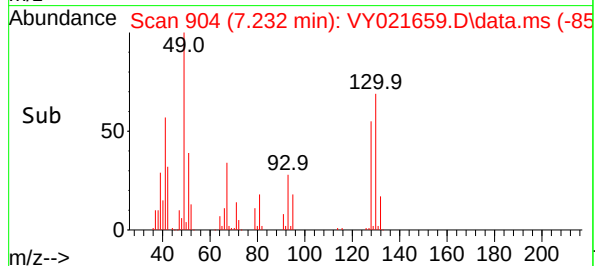
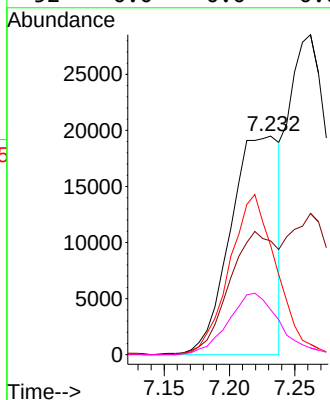
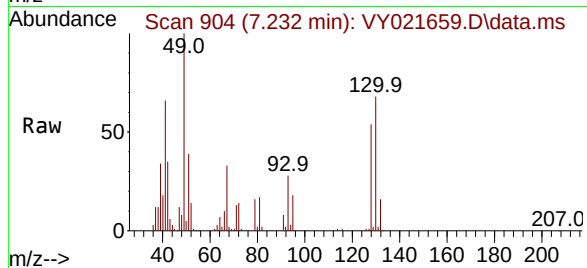
#41
Methacrylonitrile
Concen: 55.298 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 50658
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

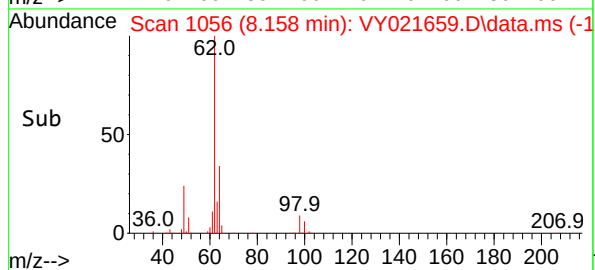
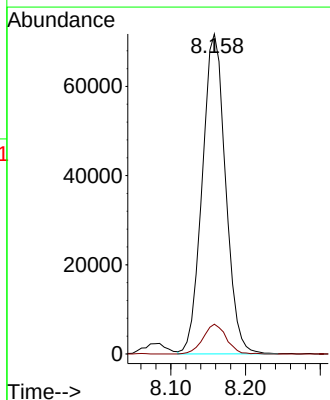
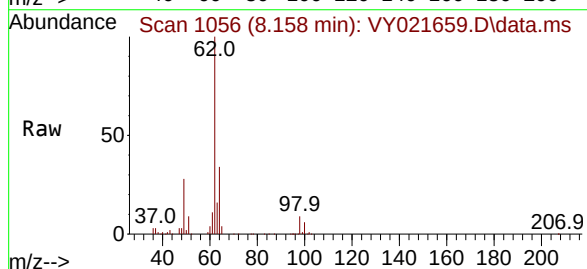
Manual Integrations
APPROVED

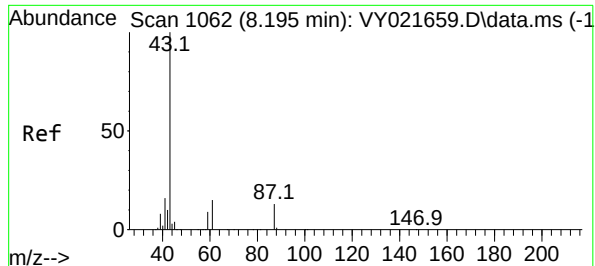
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 50.343 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 155365
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.076 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16698

Ion Ratio Lower Upper

43 100

61 19.9 15.9 23.9

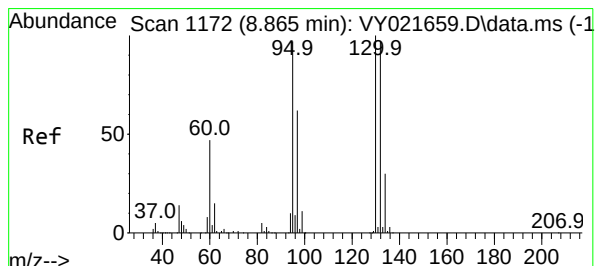
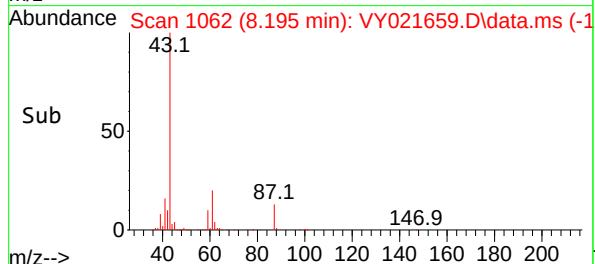
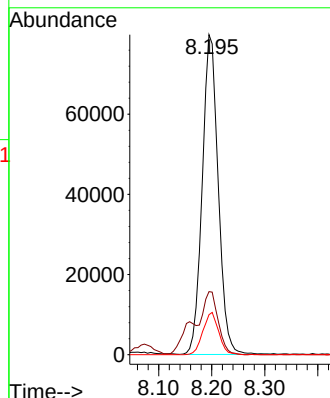
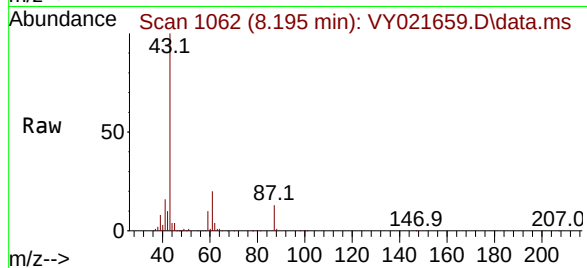
87 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 49.637 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021659.D

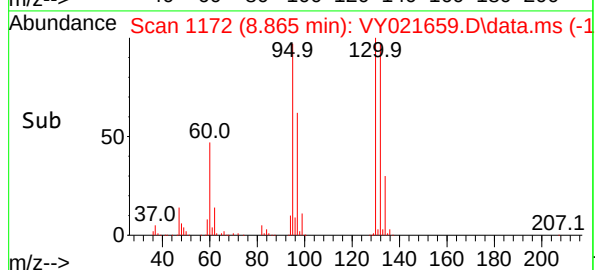
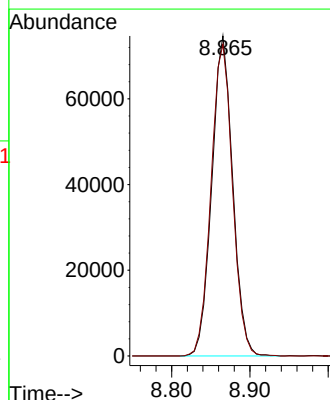
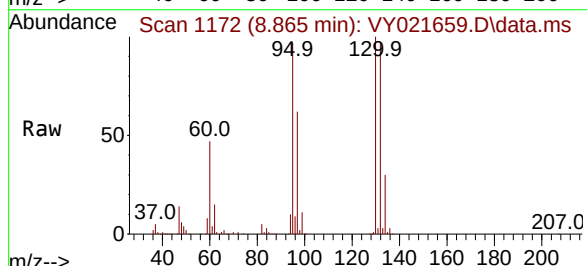
Acq: 27 Mar 2025 11:16

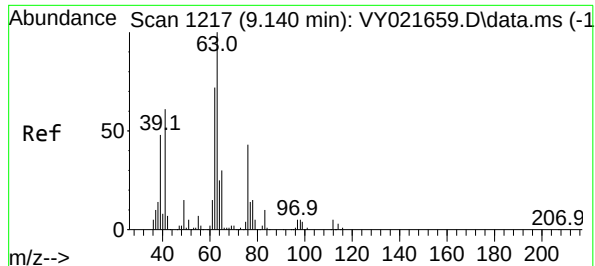
Tgt Ion:130 Resp: 138449

Ion Ratio Lower Upper

130 100

95 97.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 50.395 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 130580

Ion Ratio Lower Upper

63 100

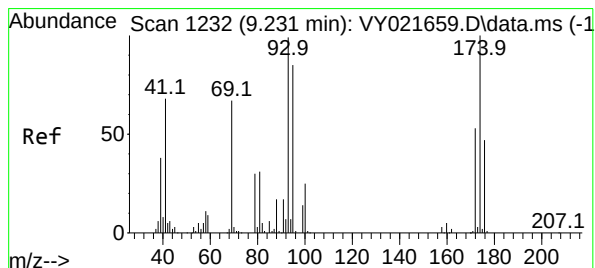
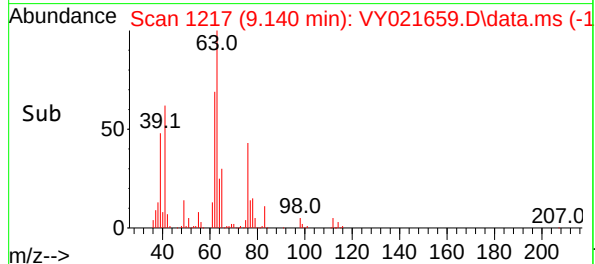
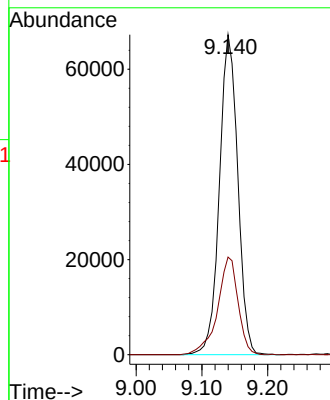
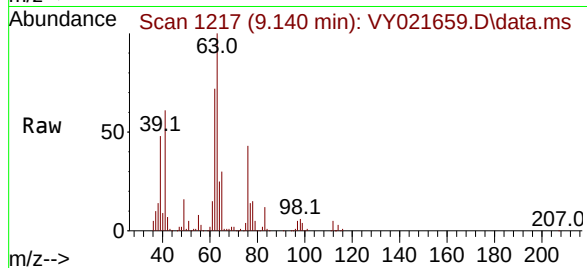
65 30.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 49.174 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

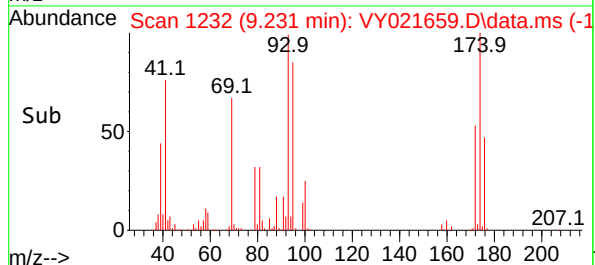
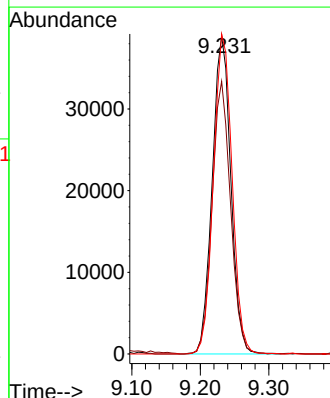
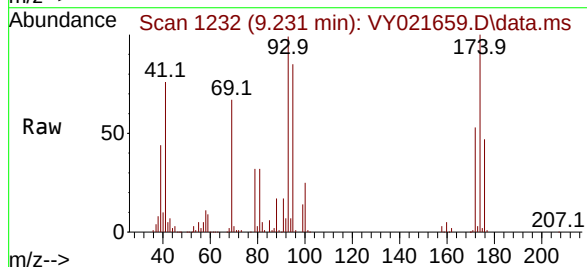
Tgt Ion: 93 Resp: 73435

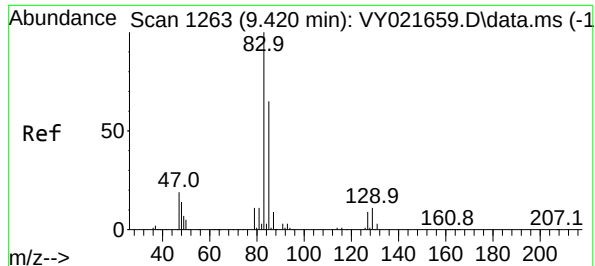
Ion Ratio Lower Upper

93 100

95 85.1 68.1 102.1

174 101.1 80.9 121.3





#47

Bromodichloromethane

Concen: 50.237 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021659.D

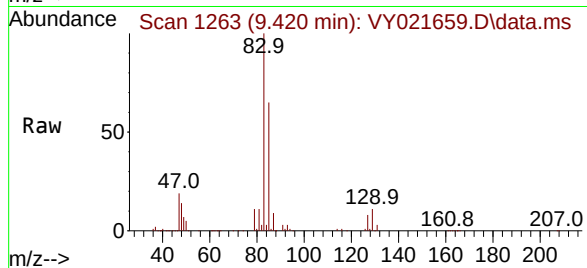
Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

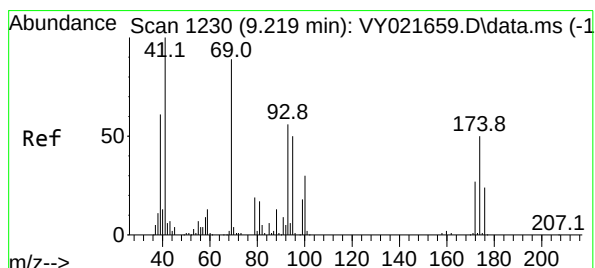
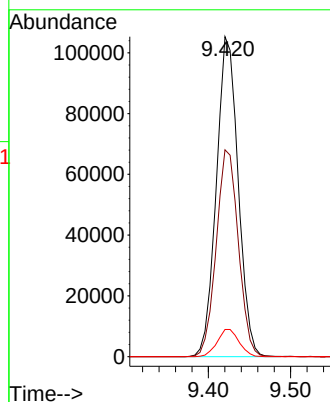
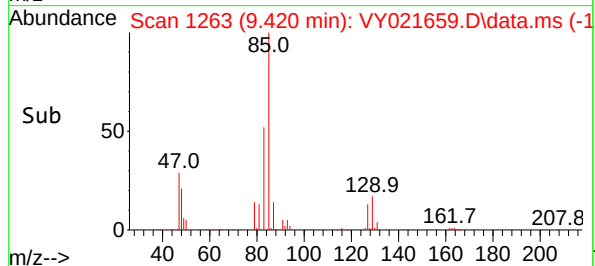


Tgt Ion:	83	Resp:	194399
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

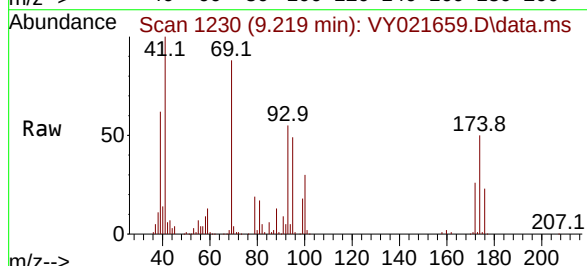
Concen: 51.902 ug/l

RT: 9.219 min Scan# 1230

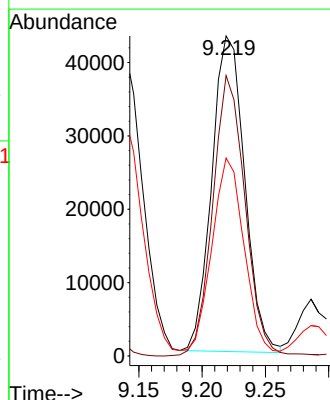
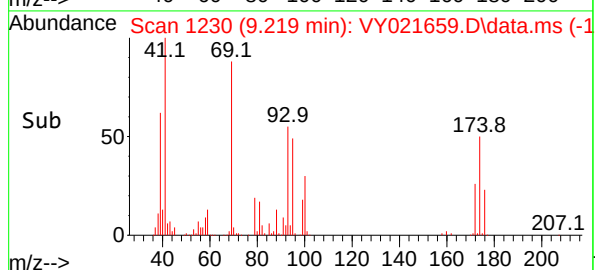
Delta R.T. 0.000 min

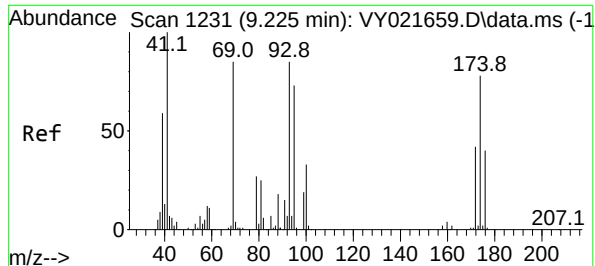
Lab File: VY021659.D

Acq: 27 Mar 2025 11:16



Tgt Ion:	41	Resp:	77877
Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	59.0	47.2	70.8





#49

1,4-Dioxane

Concen: 1030.192 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 1648

Ion Ratio Lower Upper

88 100

43 36.0 28.8 43.2

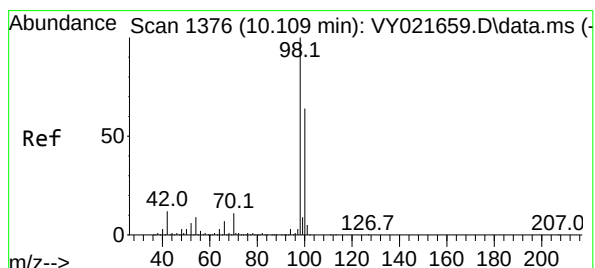
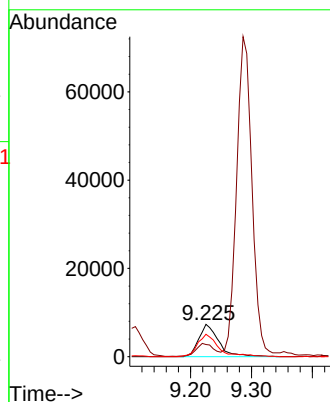
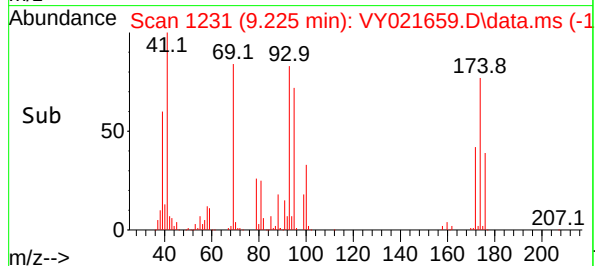
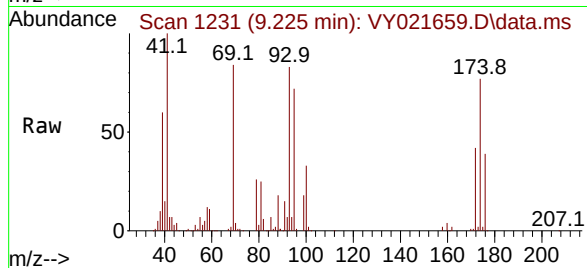
58 74.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 52.909 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021659.D

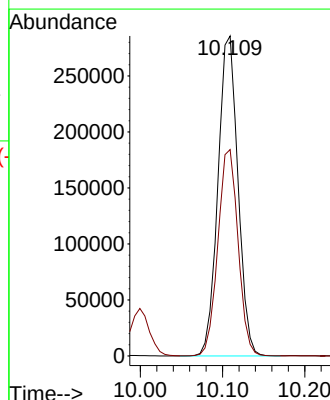
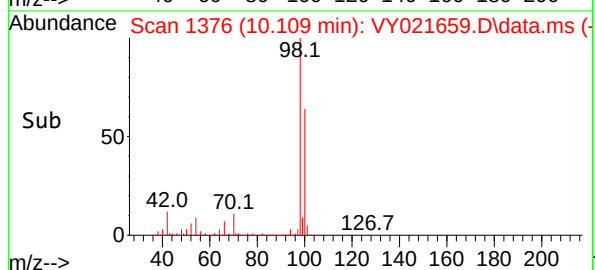
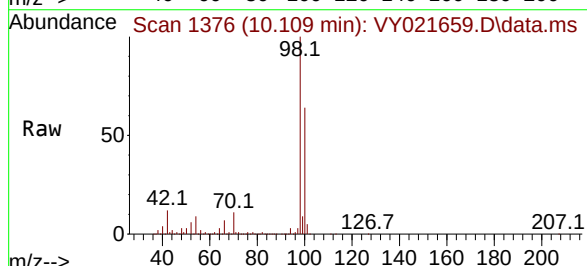
Acq: 27 Mar 2025 11:16

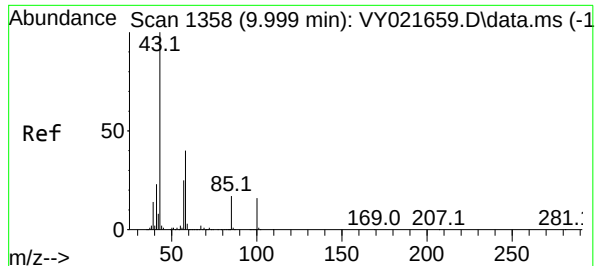
Tgt Ion: 98 Resp: 483058

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





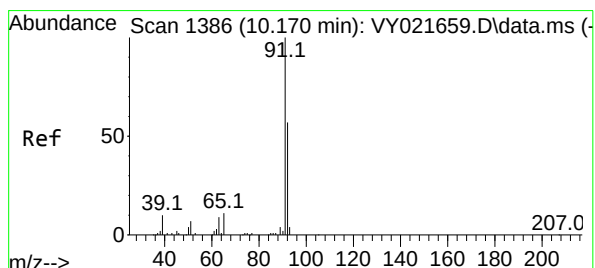
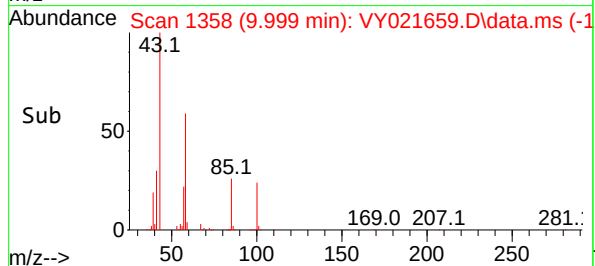
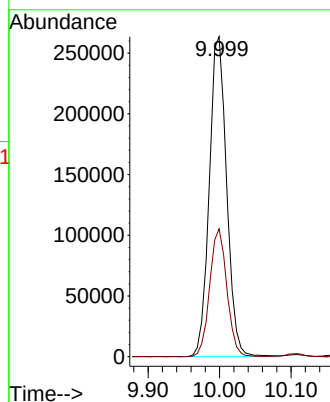
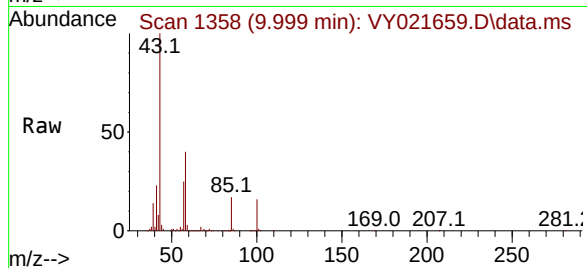
#51
4-Methyl-2-Pentanone
Concen: 261.893 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 445564
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

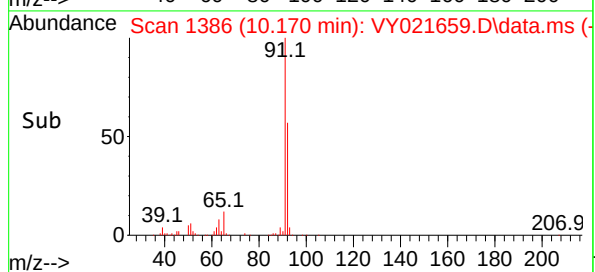
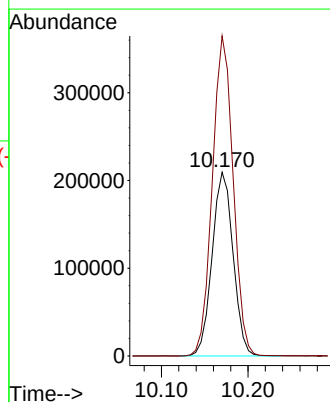
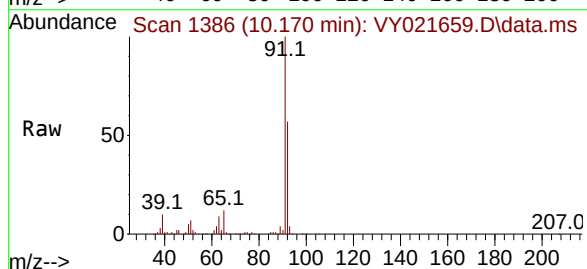
Manual Integrations
APPROVED

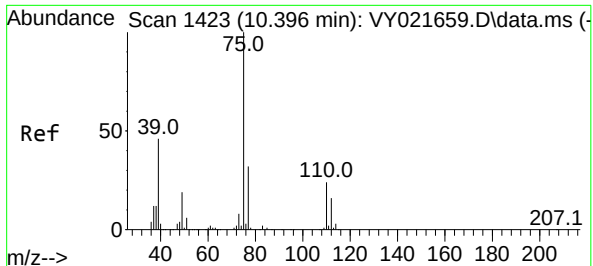
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 51.496 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

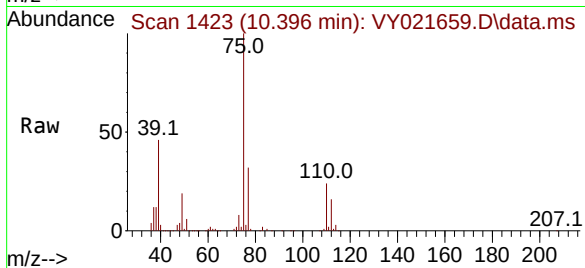
Tgt Ion: 92 Resp: 351715
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

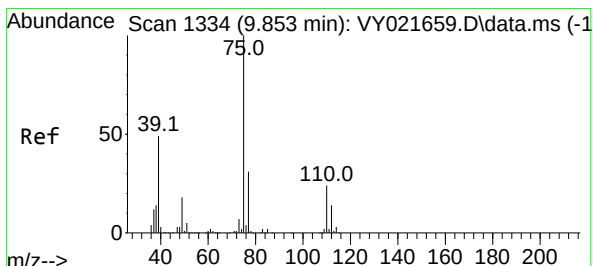
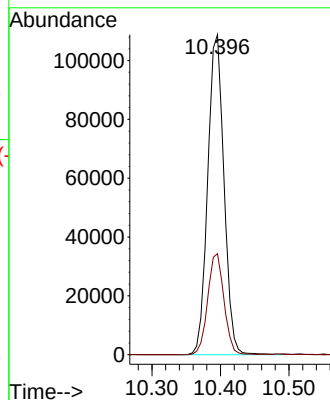
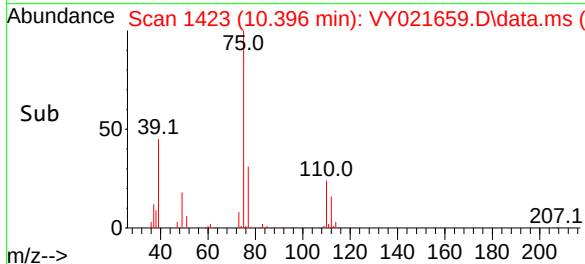
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

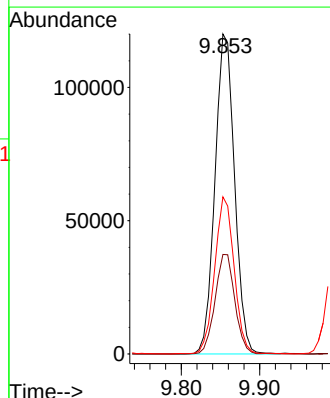
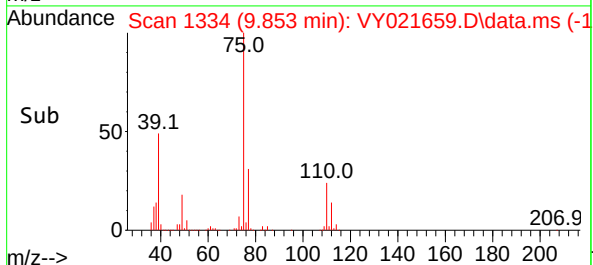
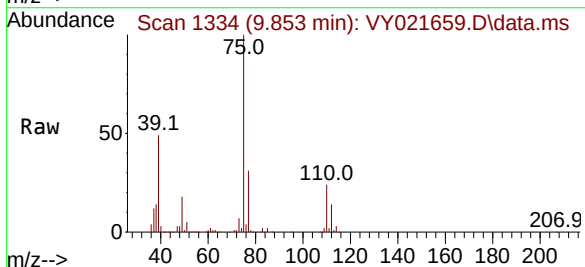
Manual Integrations
APPROVED

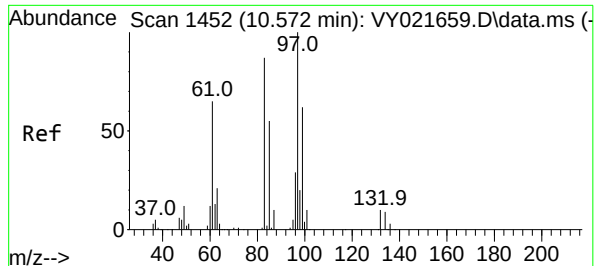
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

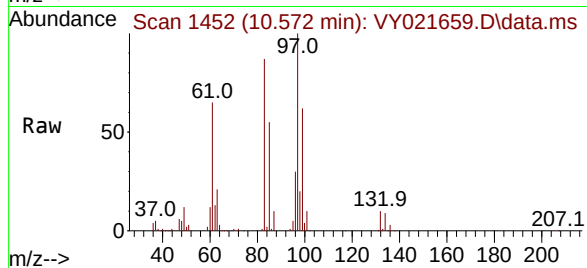
Tgt Ion: 75 Resp: 209143
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 49.0 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 50.254 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

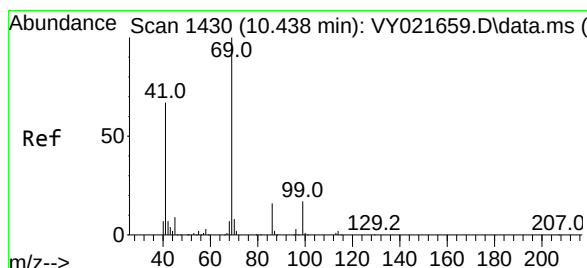
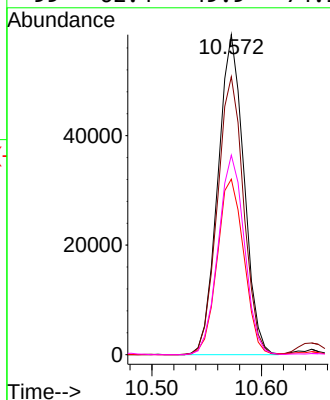
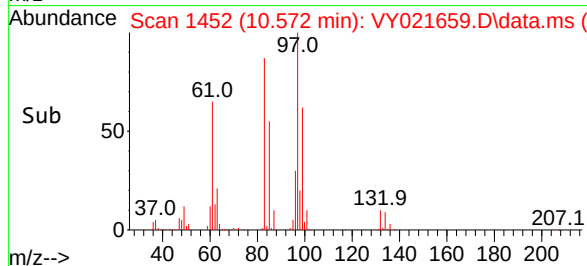
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:	97	Resp:	96578
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	54.9	43.9	65.9
99	62.4	49.9	74.9

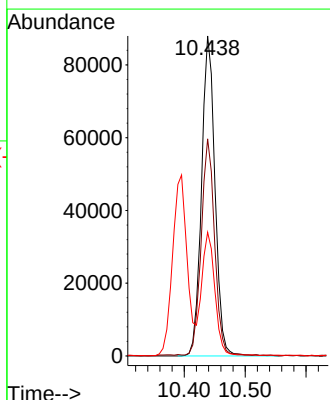
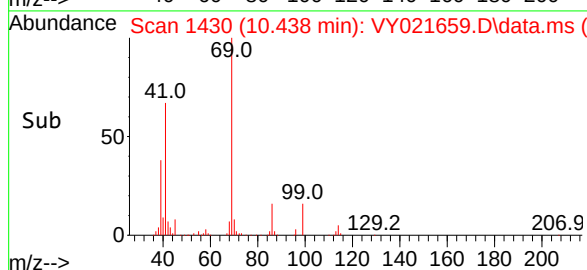
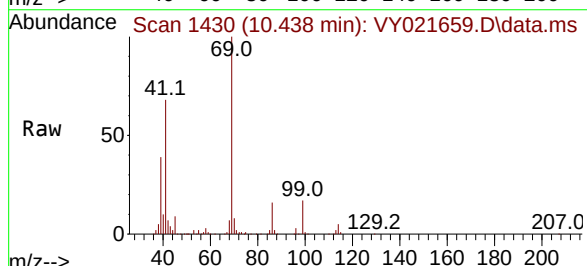
Manual Integrations
APPROVED

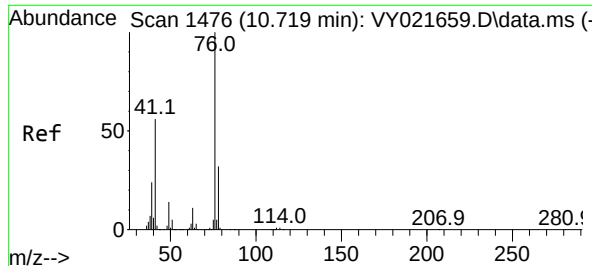
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#56
Ethyl methacrylate
Concen: 55.124 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

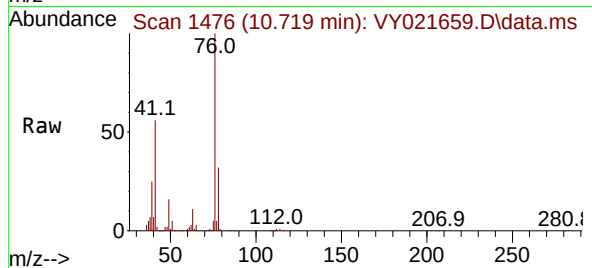
Tgt Ion:	69	Resp:	135272
Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	37.0	29.6	44.4





#57
1,3-Dichloropropane
Concen: 51.252 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

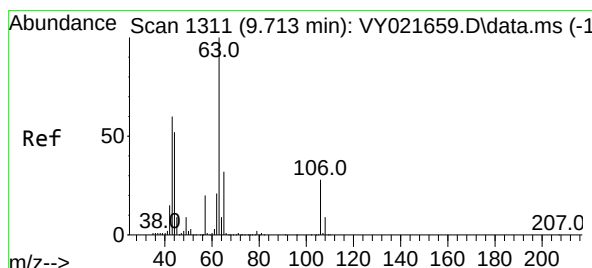
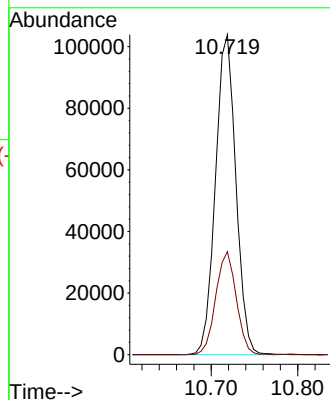
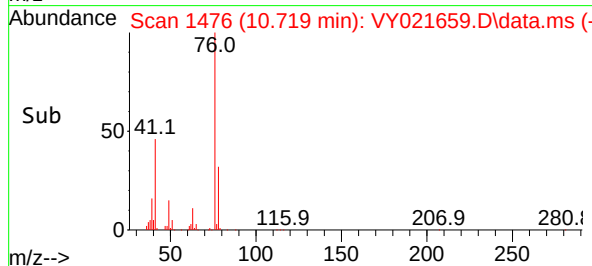
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 170109
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

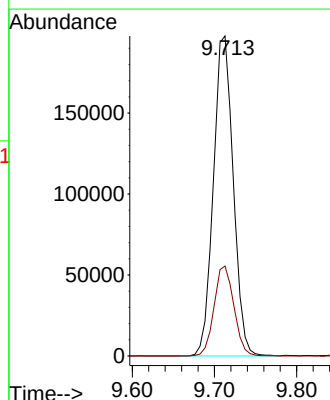
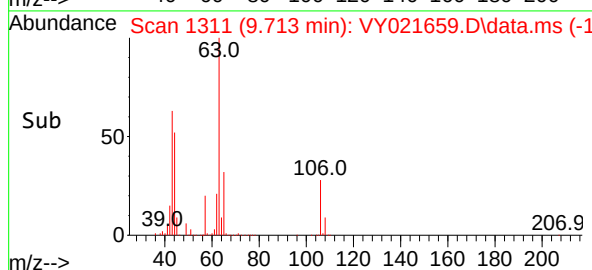
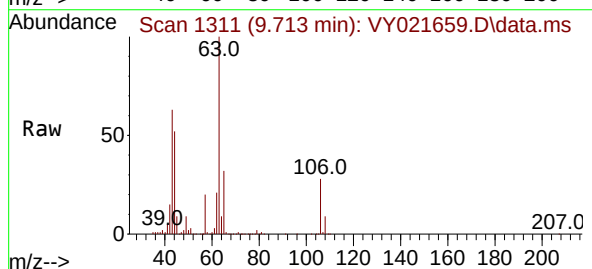
Manual Integrations
APPROVED

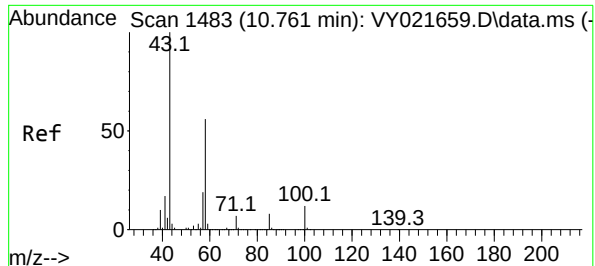
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 277.643 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 332369
Ion Ratio Lower Upper
63 100
106 28.0 22.4 33.6





#59

2-Hexanone

Concen: 267.012 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 302538

Ion Ratio Lower Upper

43 100

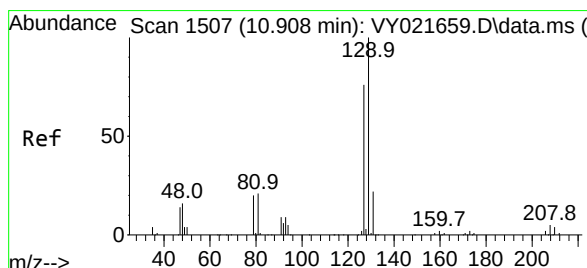
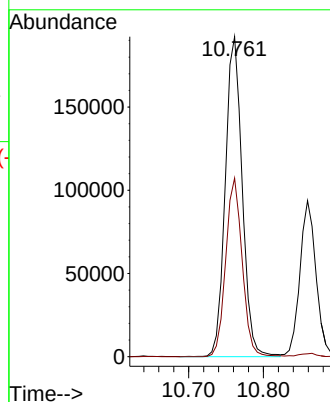
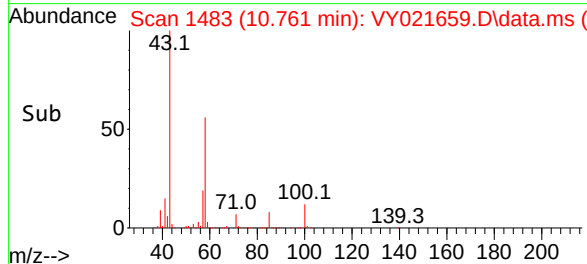
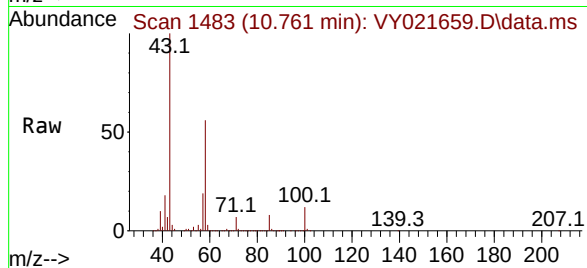
58 54.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 51.334 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021659.D

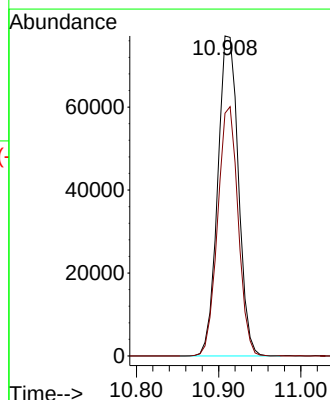
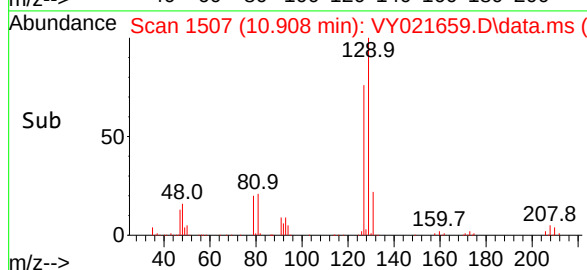
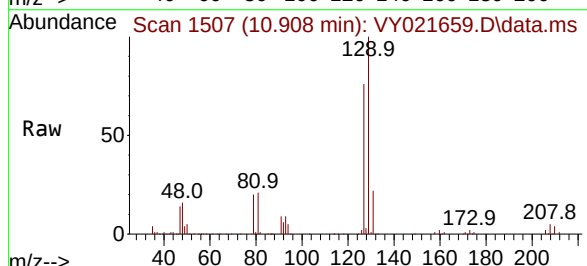
Acq: 27 Mar 2025 11:16

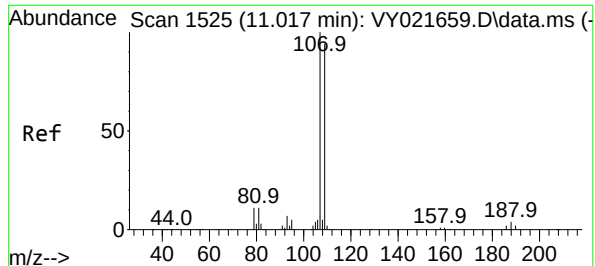
Tgt Ion:129 Resp: 134696

Ion Ratio Lower Upper

129 100

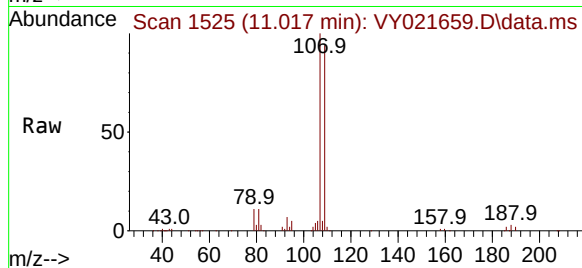
127 77.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

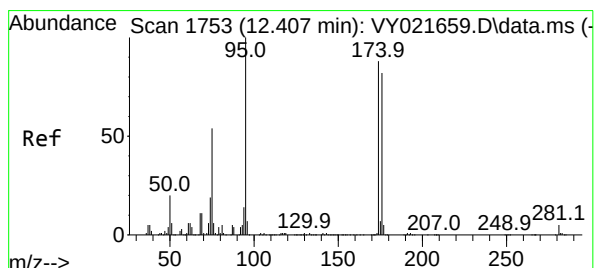
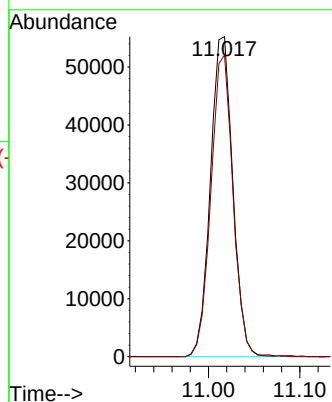
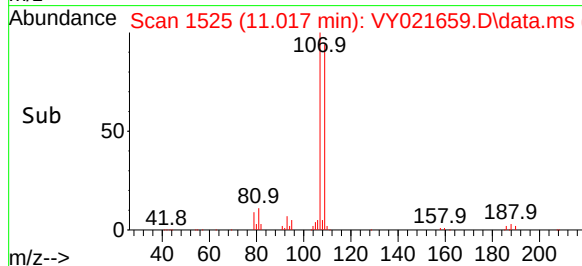
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 93860
Ion Ratio Lower Upper
107 100
109 93.0 74.4 111.6

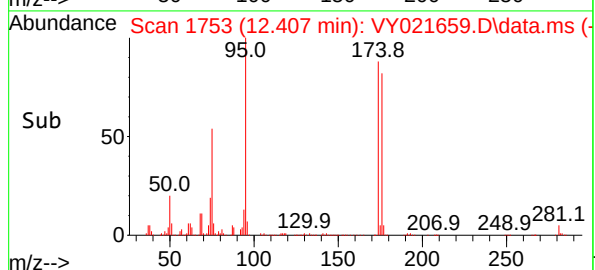
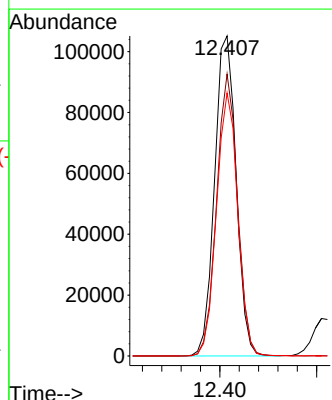
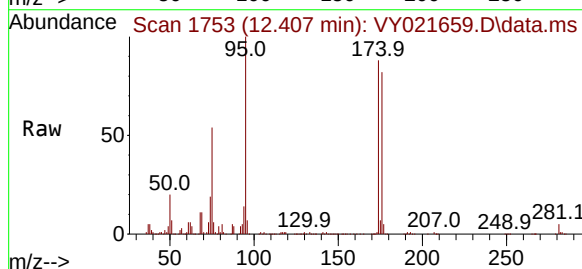
Manual Integrations
APPROVED

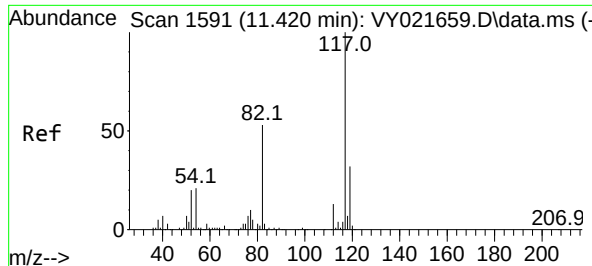
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

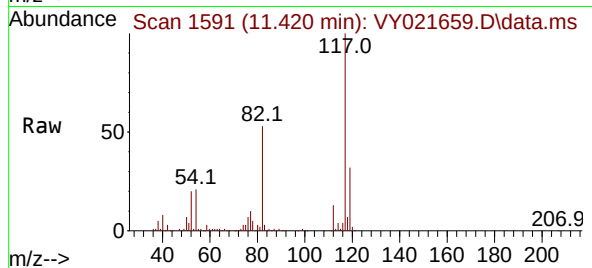
Tgt Ion: 95 Resp: 162384
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 81.0 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

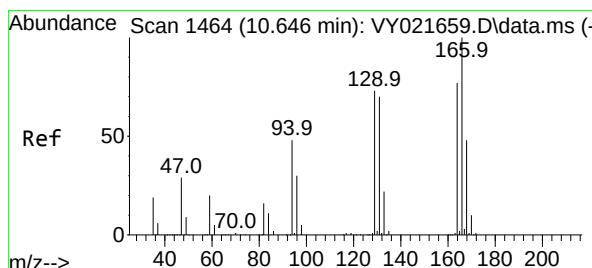
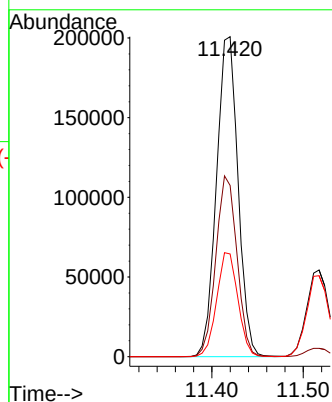
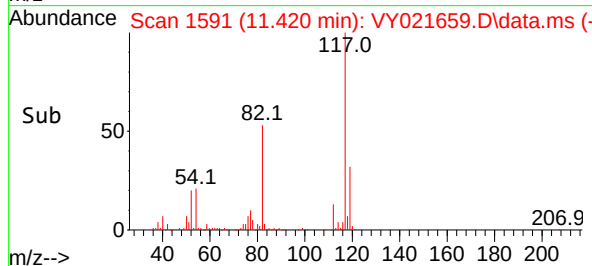
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 329620
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.1 25.7 38.5

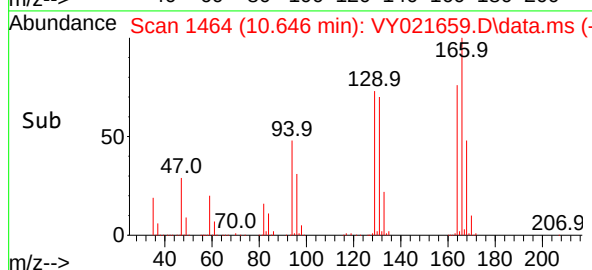
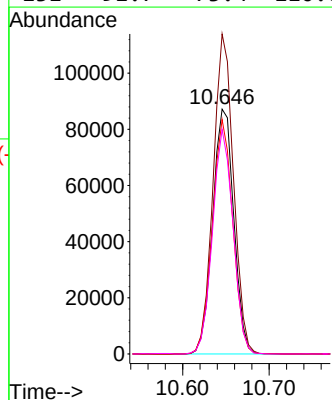
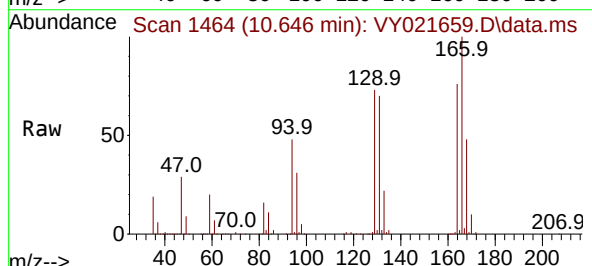
Manual Integrations
APPROVED

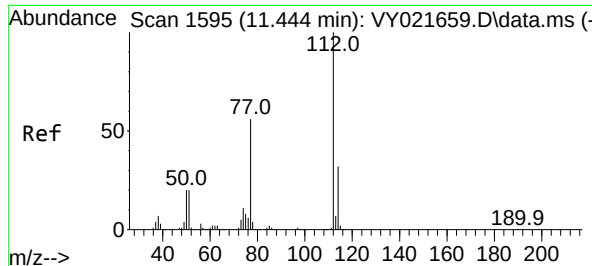
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

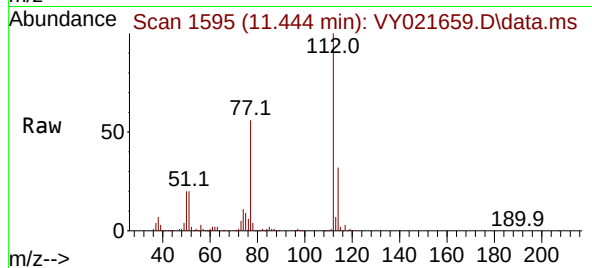
Tgt Ion:164 Resp: 147971
Ion Ratio Lower Upper
164 100
166 130.7 104.6 156.8
129 95.7 76.6 114.8
131 91.7 73.4 110.0





#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

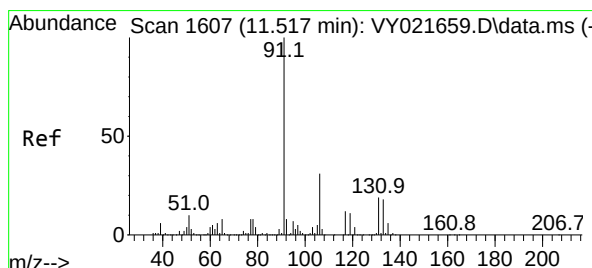
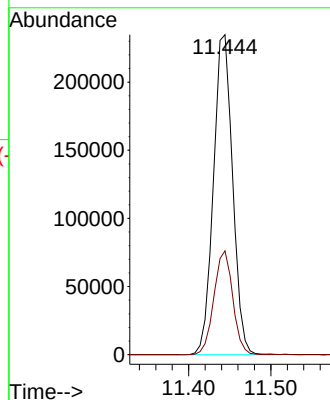
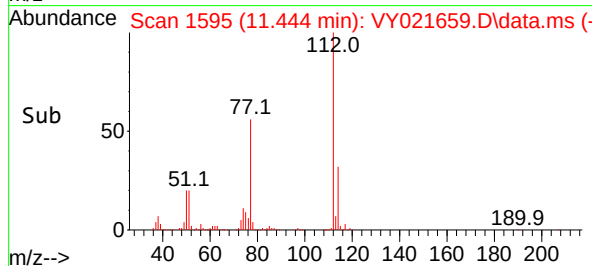
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 38066
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

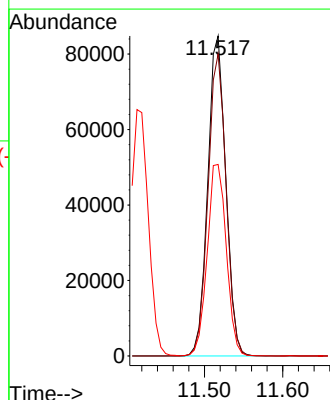
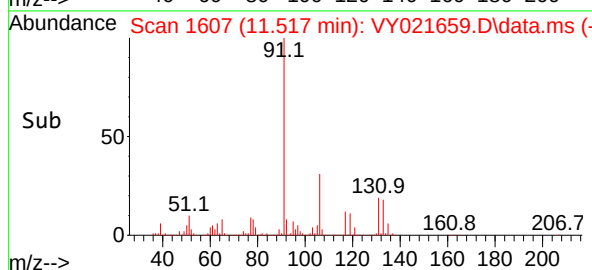
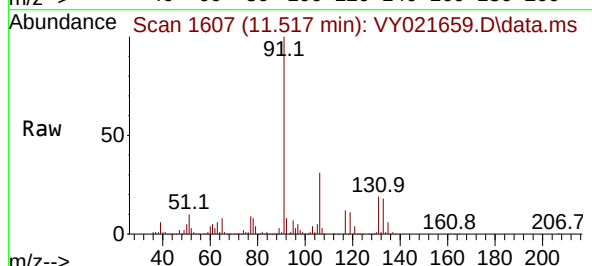
Manual Integrations
APPROVED

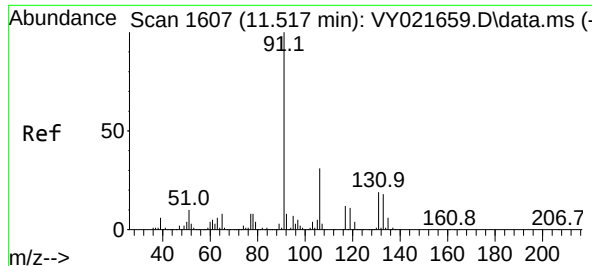
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 63.3 31.6 95.0





#67

Ethyl Benzene

Concen: 52.188 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 676209

Ion Ratio Lower Upper

91 100

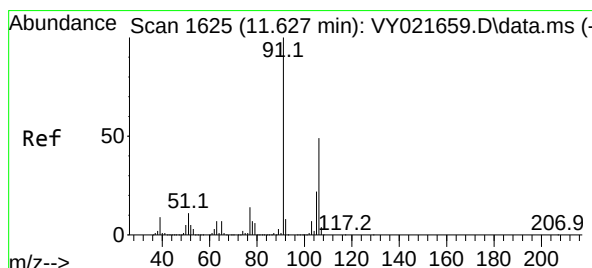
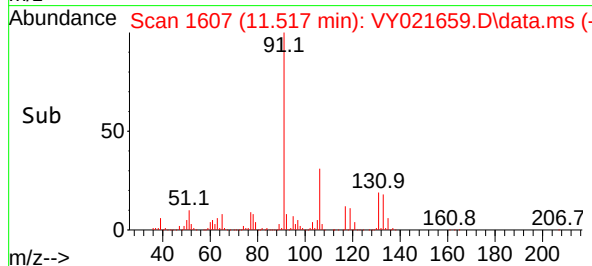
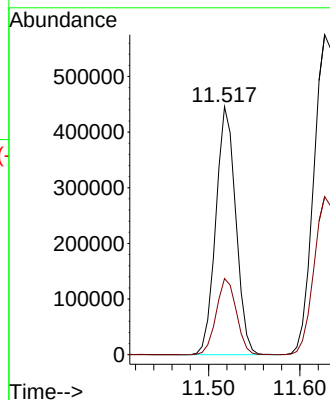
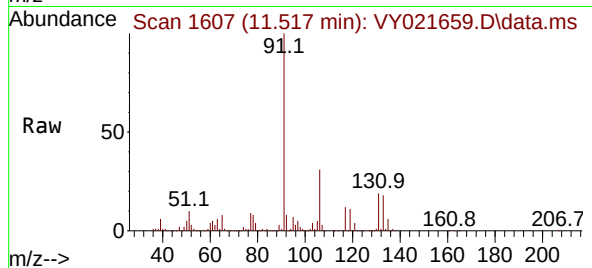
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 104.634 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021659.D

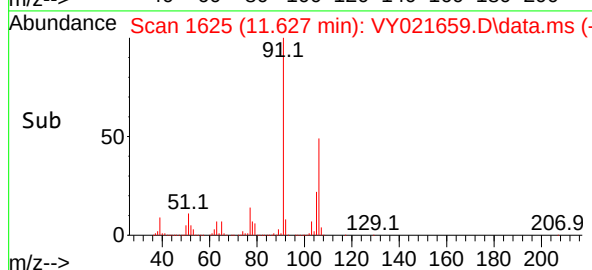
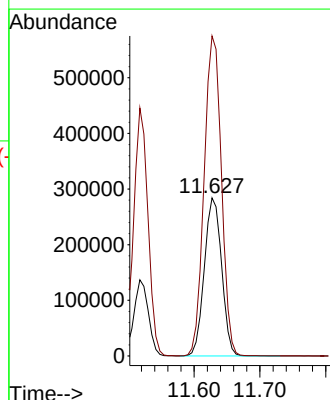
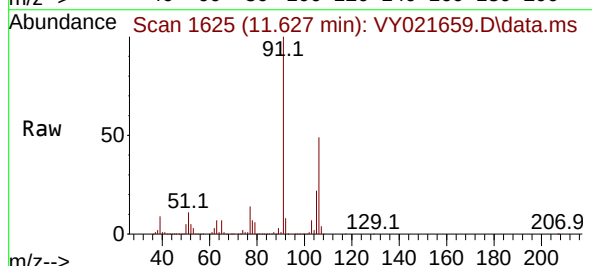
Acq: 27 Mar 2025 11:16

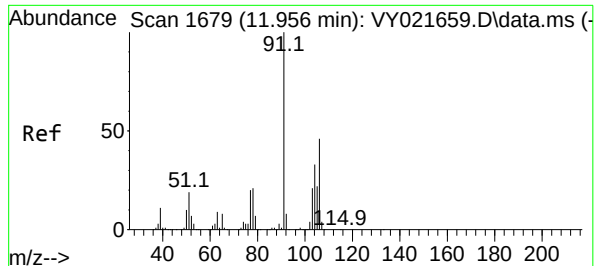
Tgt Ion:106 Resp: 519154

Ion Ratio Lower Upper

106 100

91 203.0 162.4 243.6





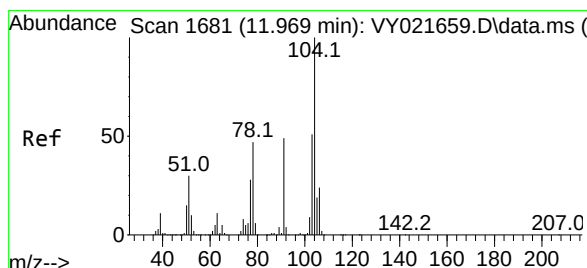
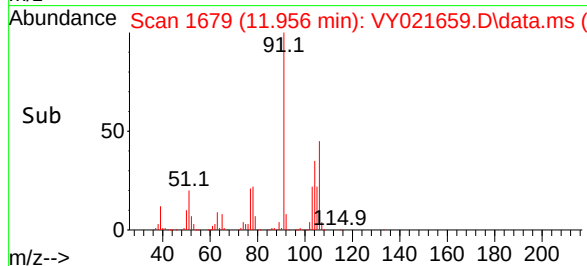
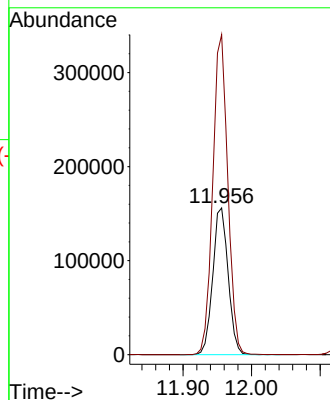
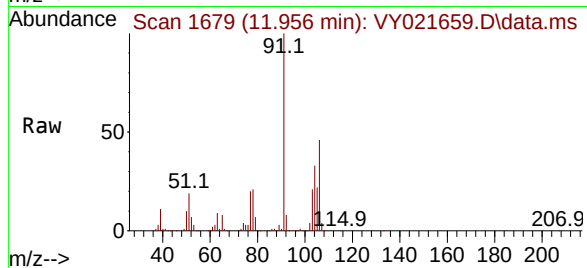
#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 243359
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

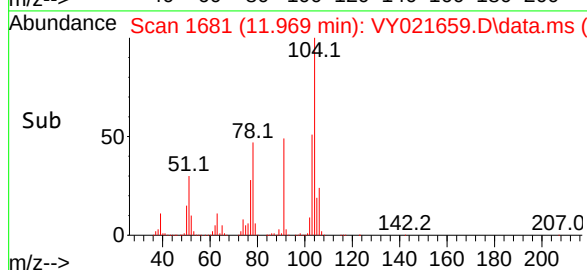
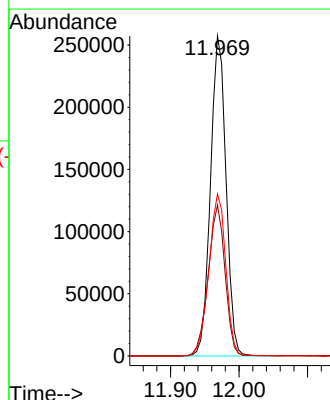
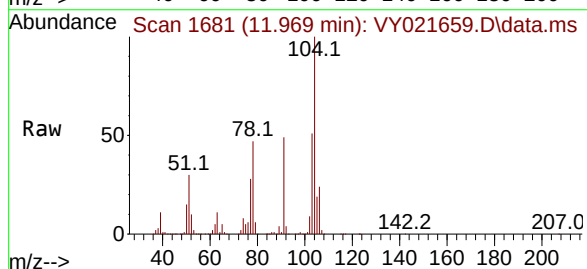
Manual Integrations
APPROVED

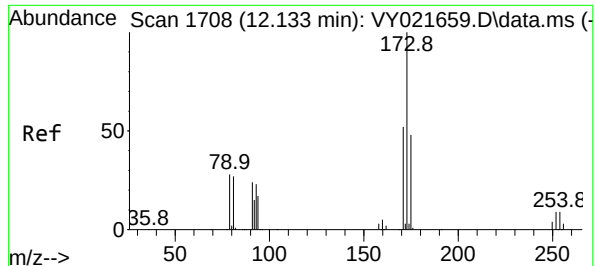
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 53.195 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

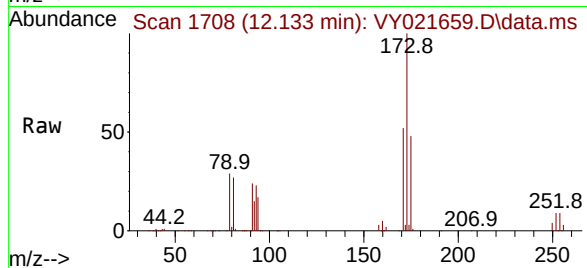
Tgt Ion:104 Resp: 406215
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.2 44.2 66.2





#71
Bromoform
Concen: 51.140 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

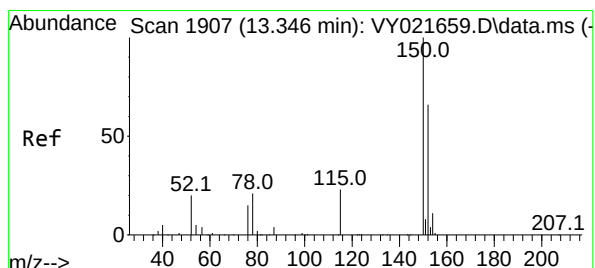
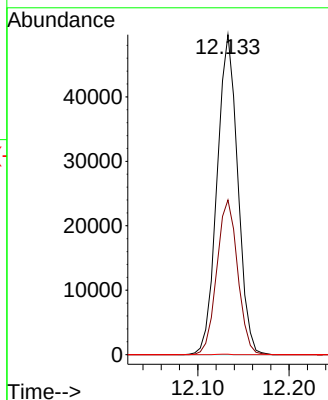
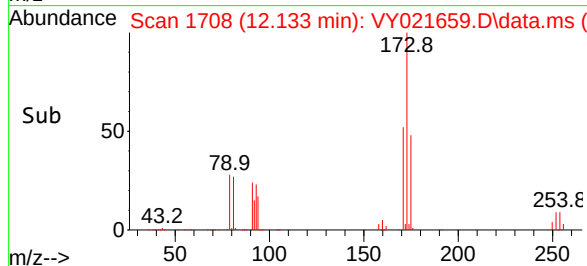
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



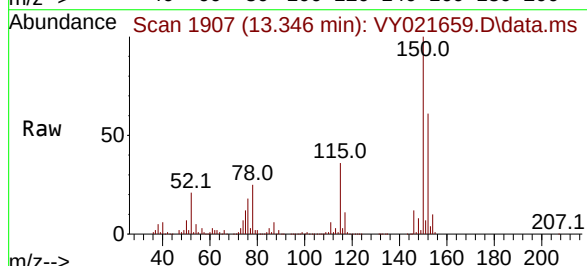
Tgt Ion:173 Resp: 78200
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

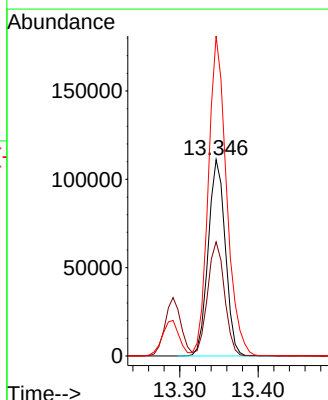
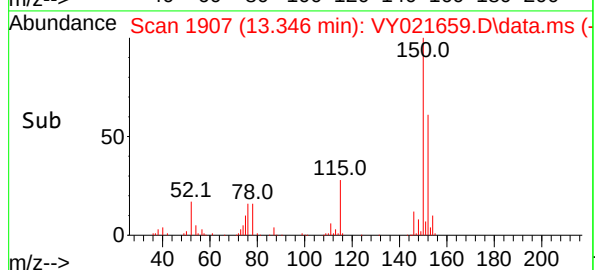
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

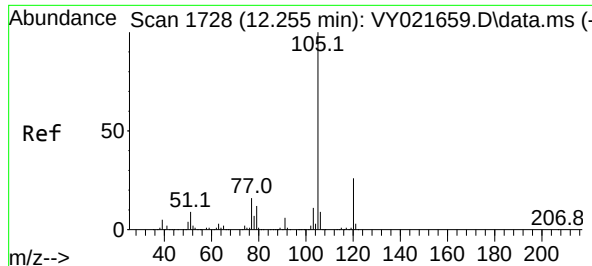


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16



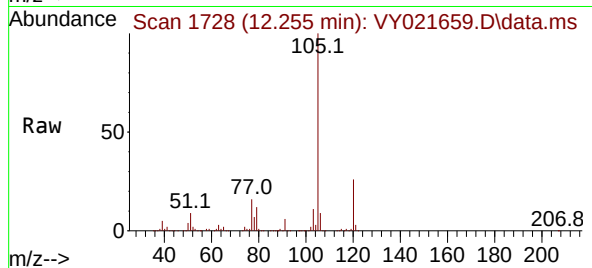
Tgt Ion:152 Resp: 167924
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 174.2 0.0 348.4





#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

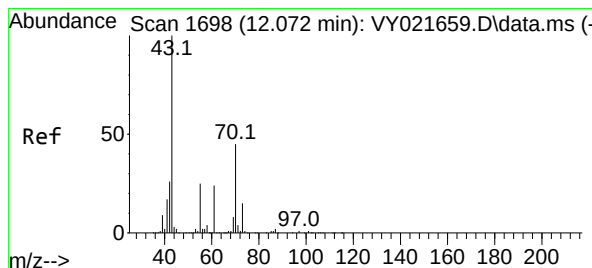
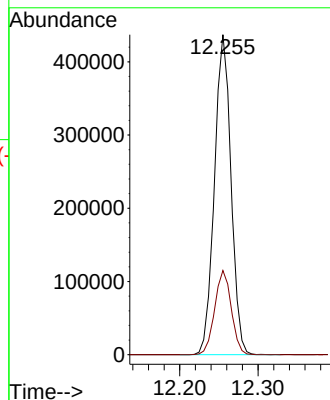
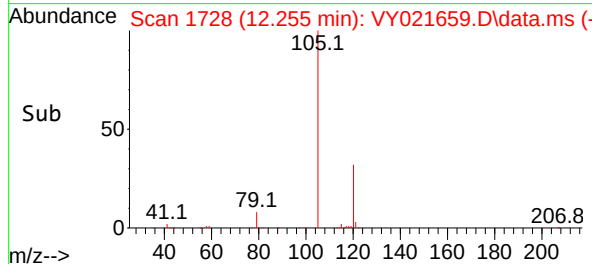
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 105 Resp: 64239
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

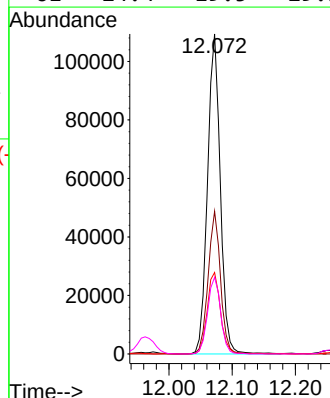
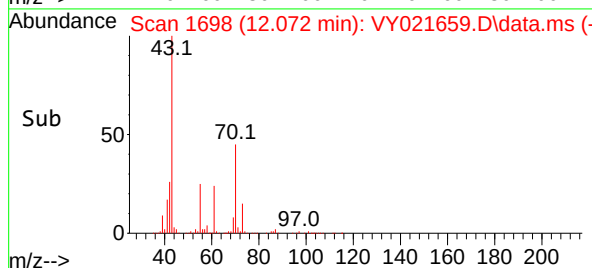
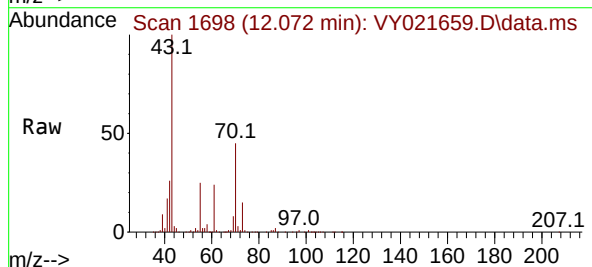
Manual Integrations
APPROVED

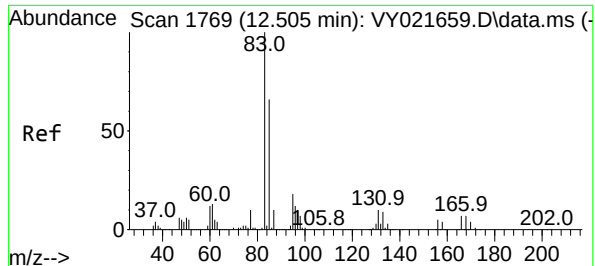
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054
Ion Ratio Lower Upper
43 100
70 43.4 34.7 52.1
55 26.5 21.2 31.8
61 24.4 19.5 29.3





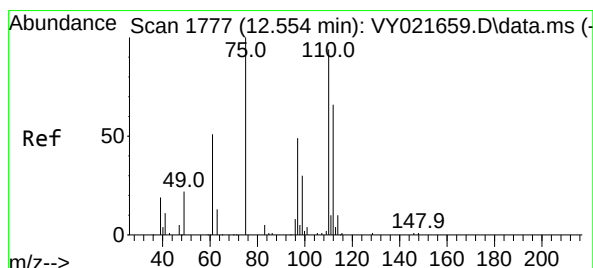
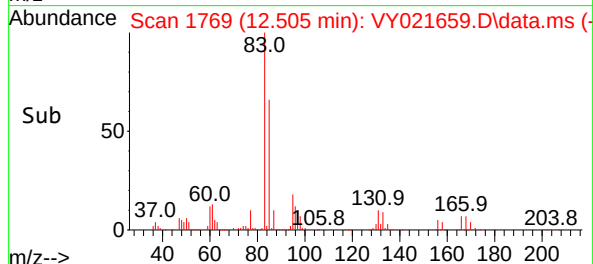
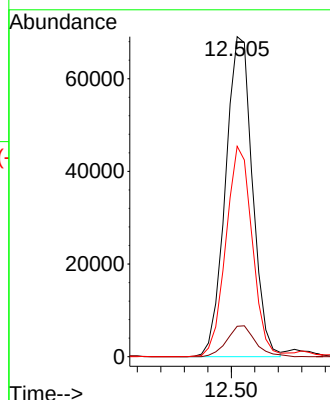
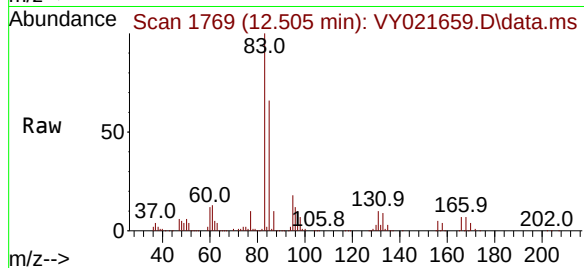
#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 110292
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.5 32.3 96.8

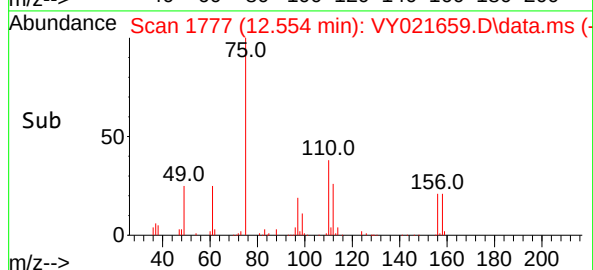
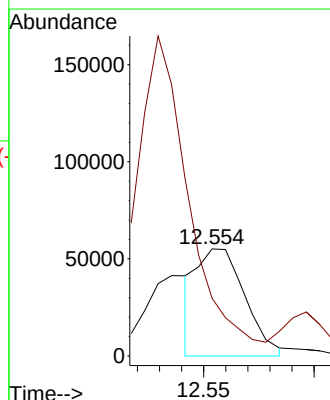
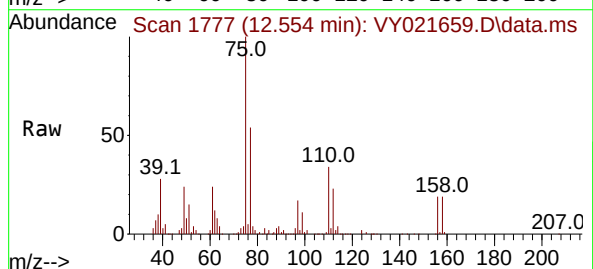
Manual Integrations
APPROVED

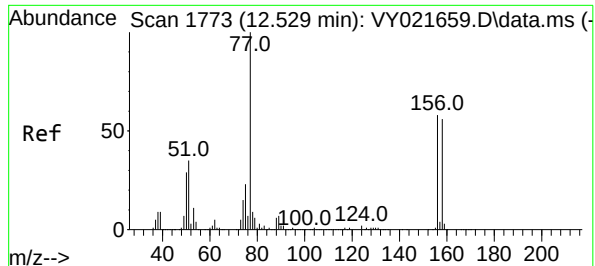
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 50.257 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 83656
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





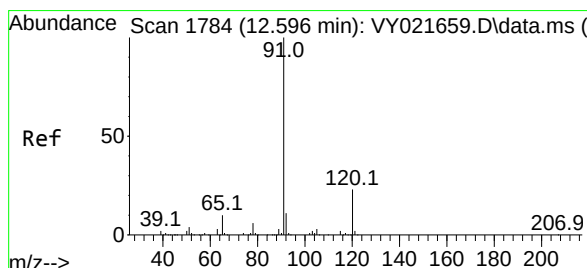
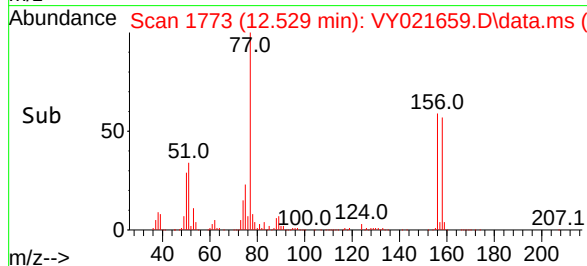
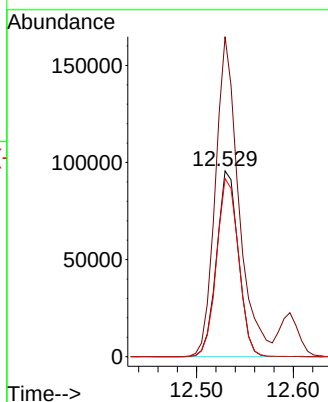
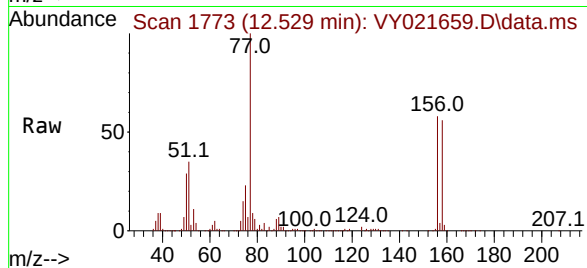
#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 14932
Ion Ratio Lower Upper
156 100
77 185.5 92.8 278.3
158 97.1 48.5 145.6

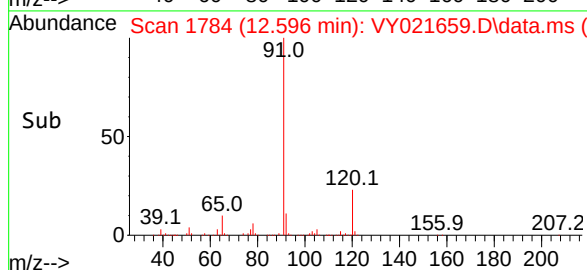
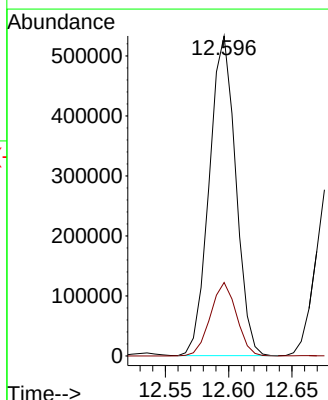
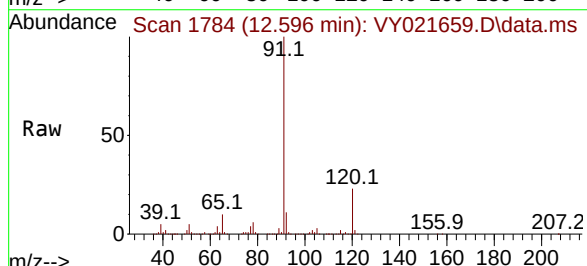
Manual Integrations
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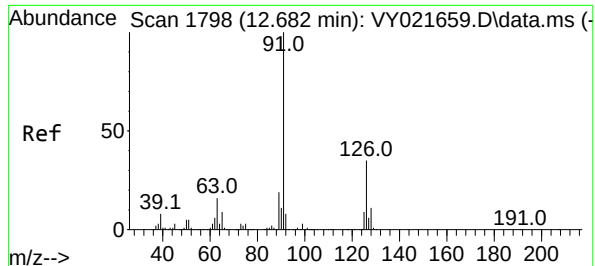
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 51.001 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 444178

Ion Ratio Lower Upper

91 100

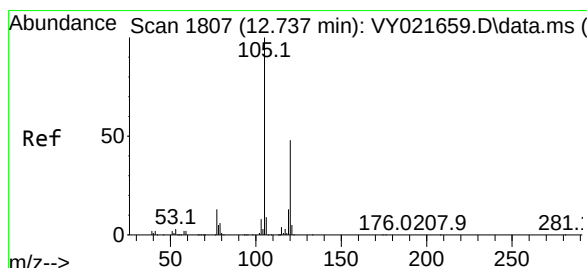
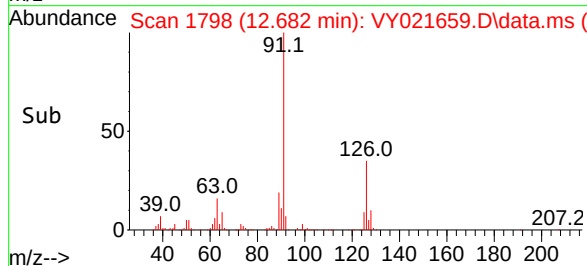
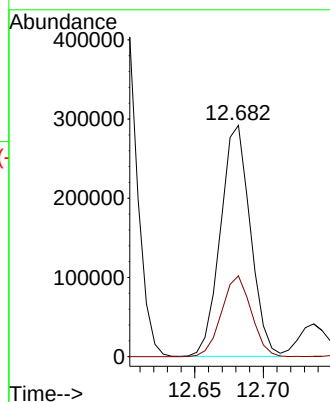
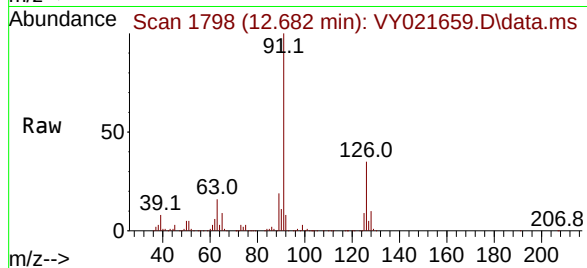
126 34.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.839 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021659.D

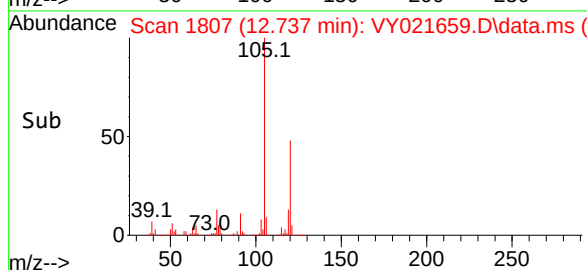
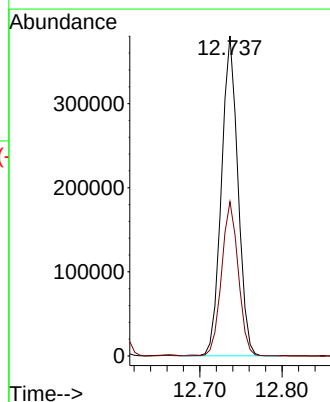
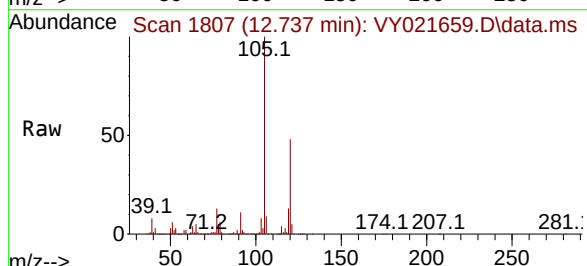
Acq: 27 Mar 2025 11:16

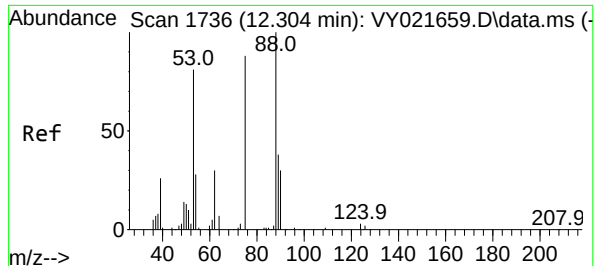
Tgt Ion:105 Resp: 528425

Ion Ratio Lower Upper

105 100

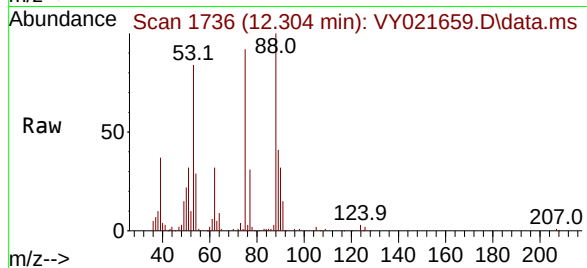
120 49.0 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

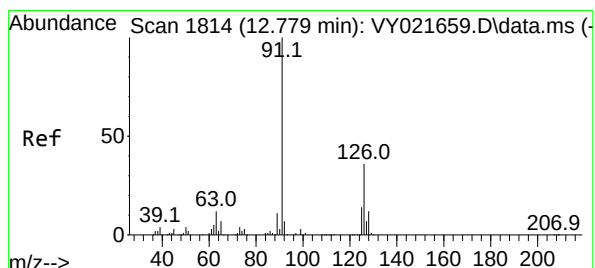
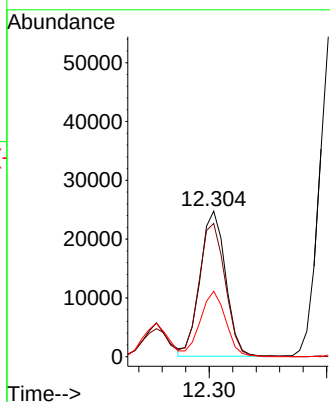
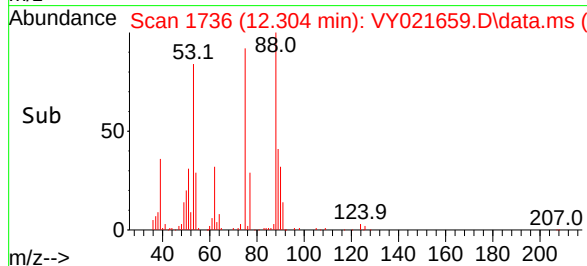
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 37240
Ion Ratio Lower Upper
75 100
53 95.1 76.1 114.1
89 45.3 36.2 54.4

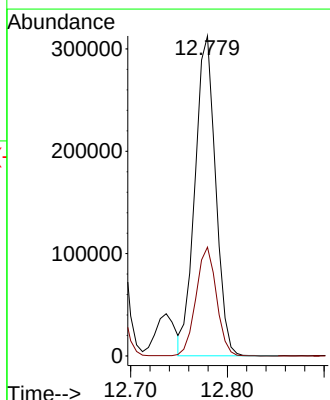
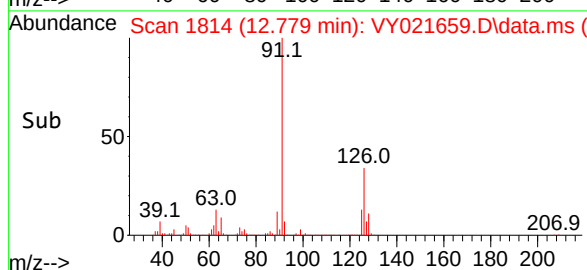
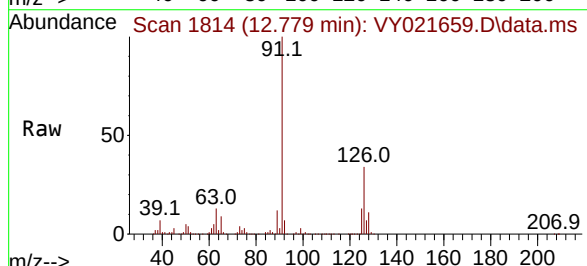
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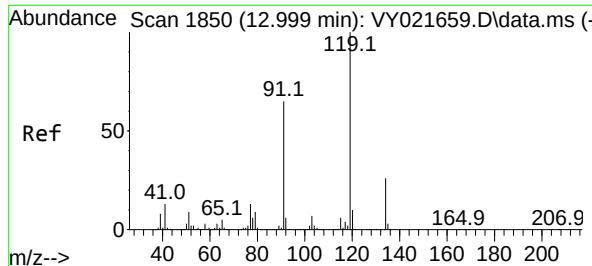
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 51.541 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 46796

Ion Ratio Lower Upper

119 100

91 65.1 32.6 97.7

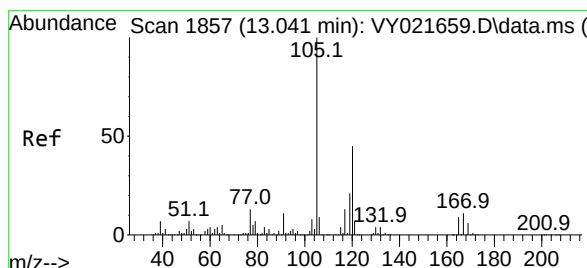
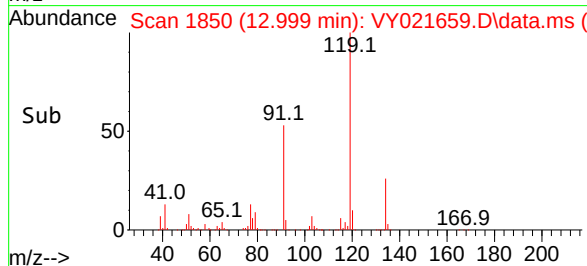
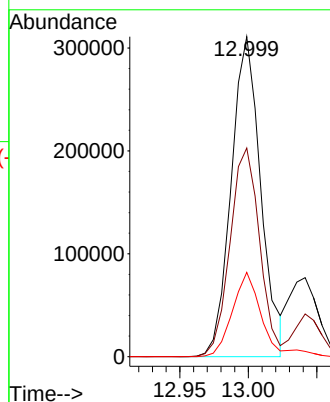
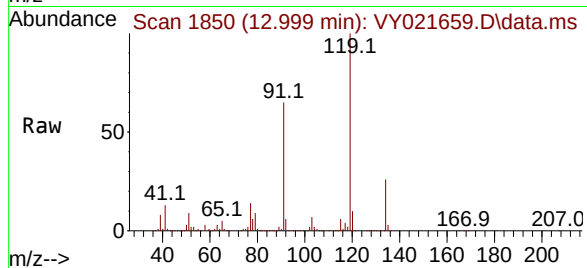
134 26.4 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.248 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021659.D

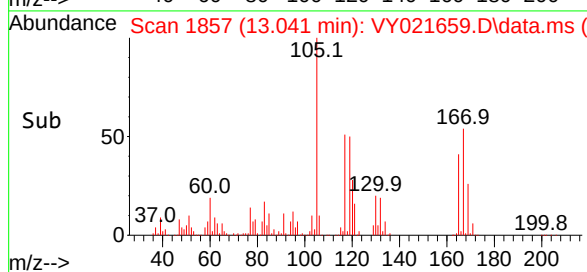
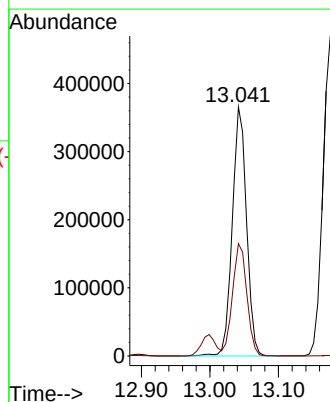
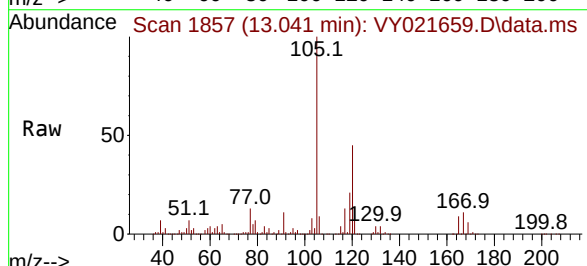
Acq: 27 Mar 2025 11:16

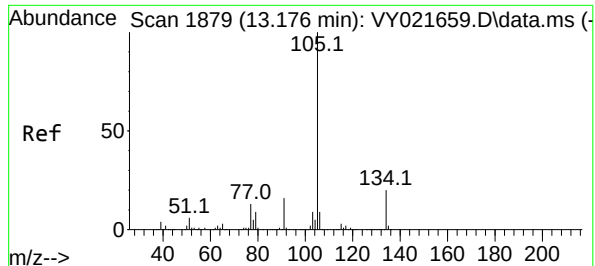
Tgt Ion:105 Resp: 526387

Ion Ratio Lower Upper

105 100

120 45.4 22.7 68.1





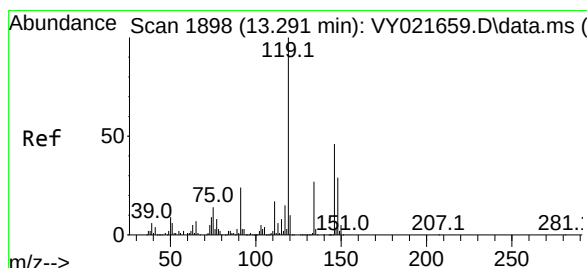
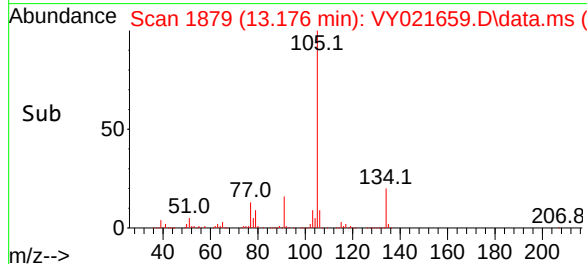
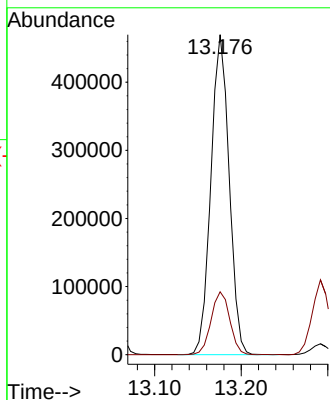
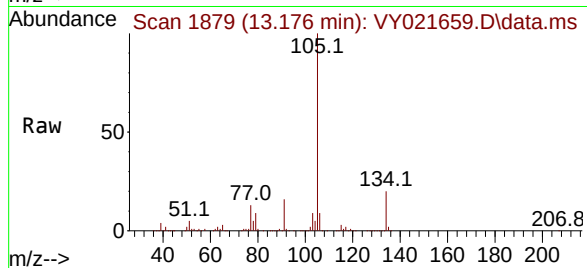
#85
sec-Butylbenzene
Concen: 51.820 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 68757
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

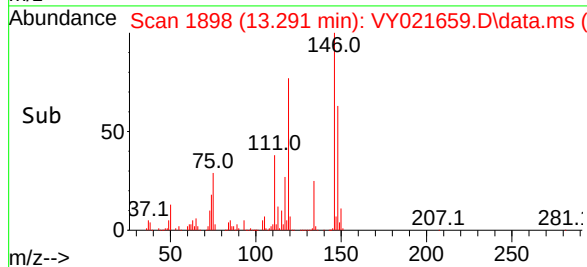
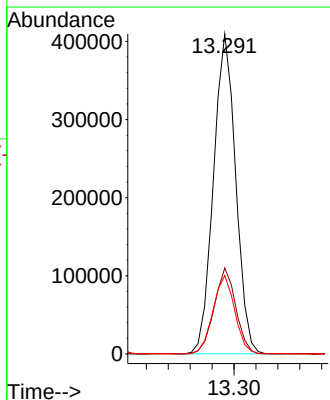
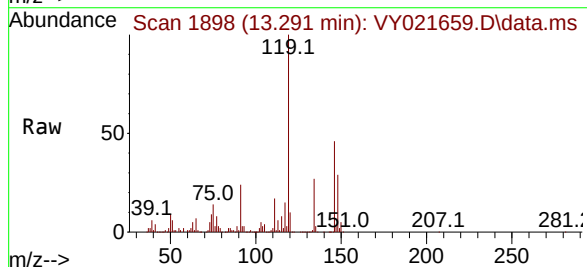
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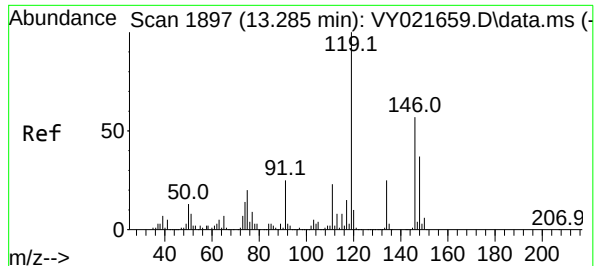
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#86
p-Isopropyltoluene
Concen: 52.525 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 576012
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.752 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

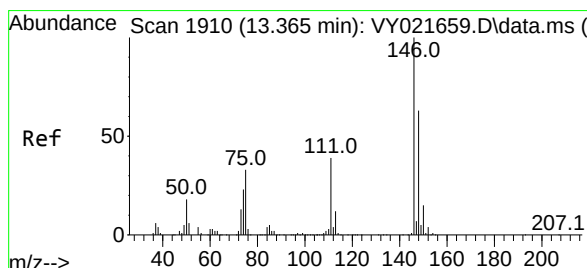
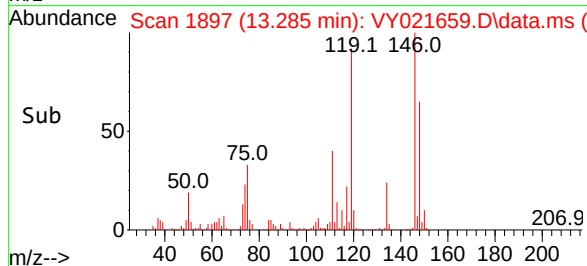
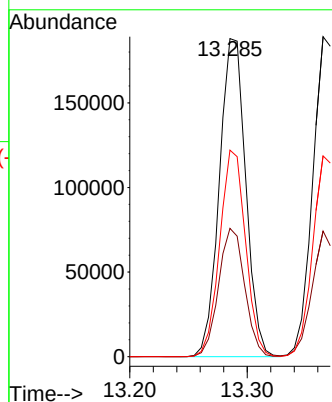
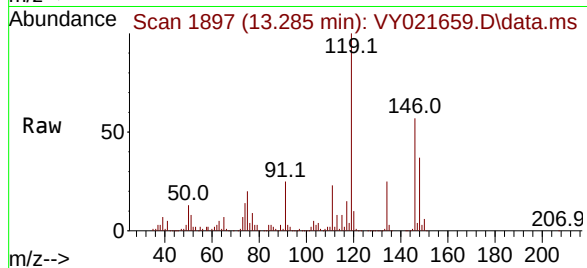
VSTDICCC050

Tgt Ion:	146	Resp:	293534
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 50.147 ug/l

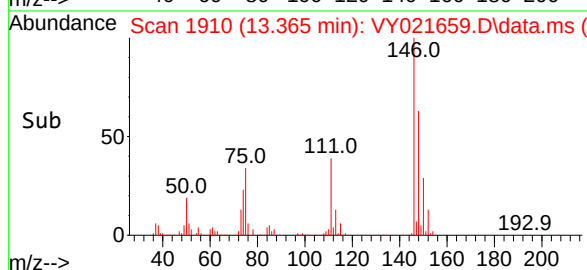
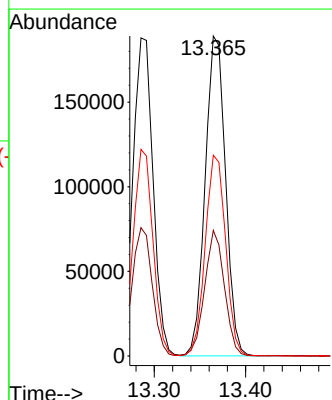
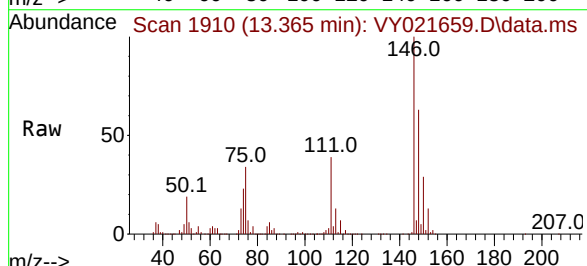
RT: 13.365 min Scan# 1910

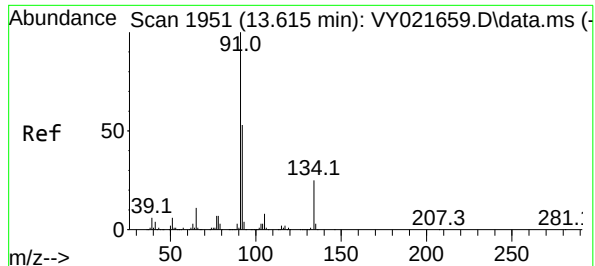
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	146	Resp:	292315
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.0	31.5	94.5





#89

n-Butylbenzene

Concen: 52.544 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

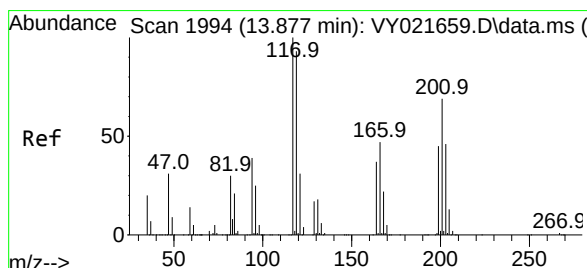
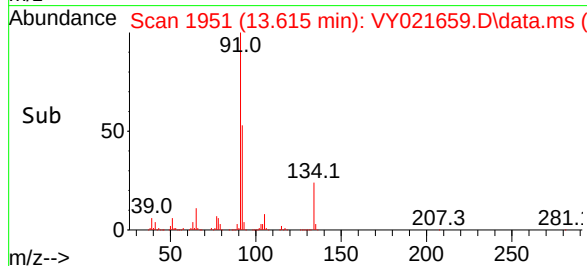
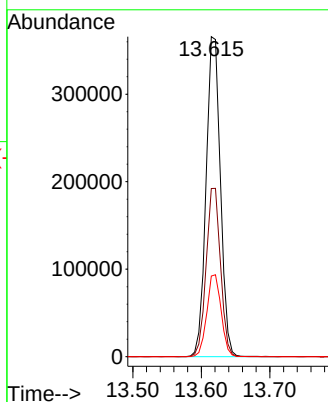
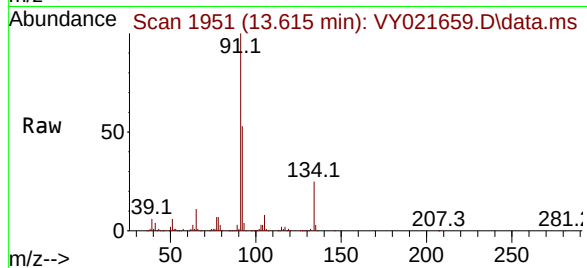
VSTDICCC050

Tgt Ion: 91	Resp: 53289
Ion Ratio	Lower Upper
91 100	
92 52.8	26.4 79.2
134 25.6	12.8 38.4

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 49.396 ug/l

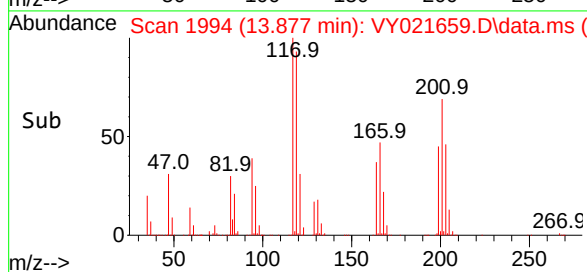
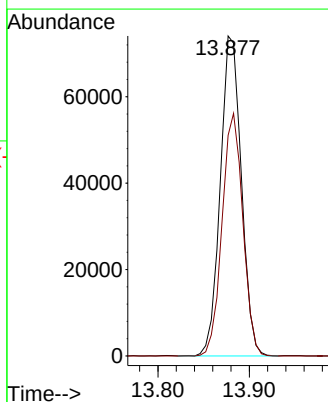
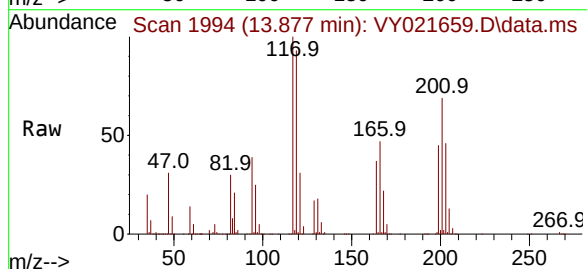
RT: 13.877 min Scan# 1994

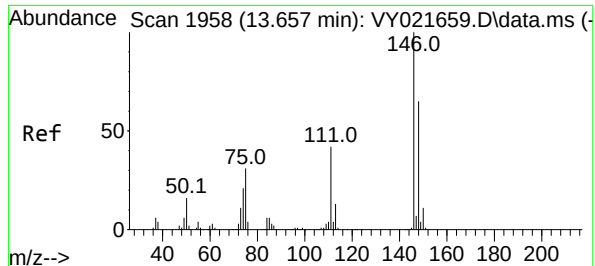
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:117	Resp: 118708
Ion Ratio	Lower Upper
117 100	
201 74.7	37.4 112.1





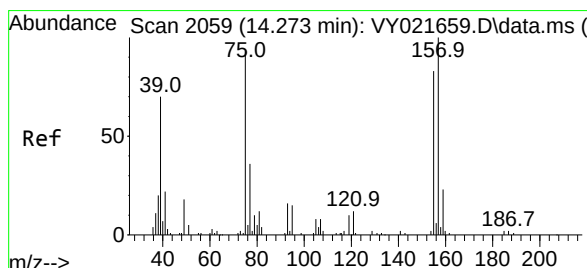
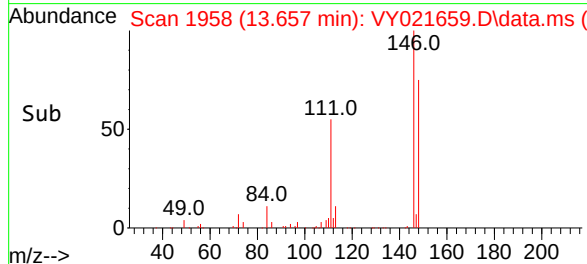
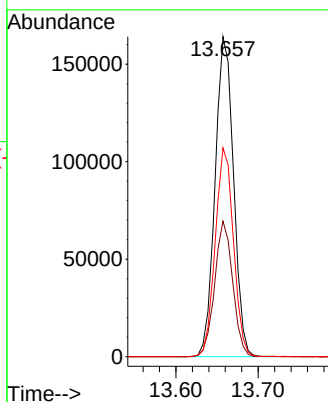
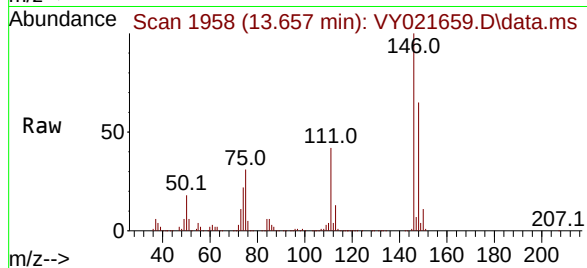
#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 25587
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 64.6 32.3 96.9

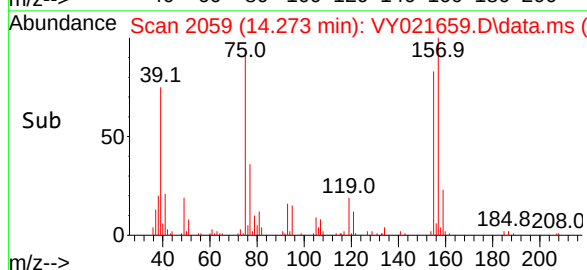
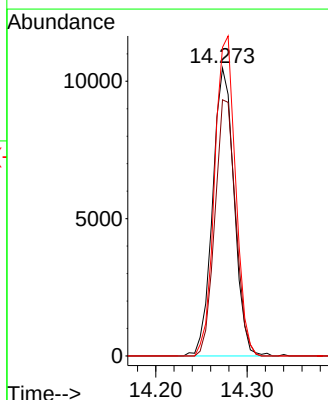
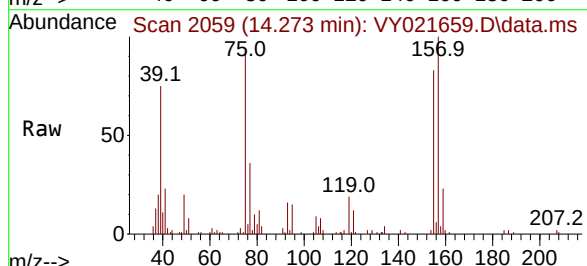
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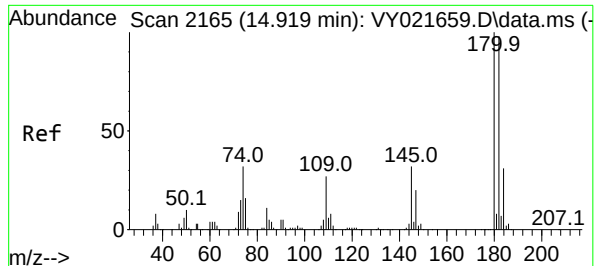
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
155 85.9 43.0 128.8
157 108.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 52.935 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021659.D

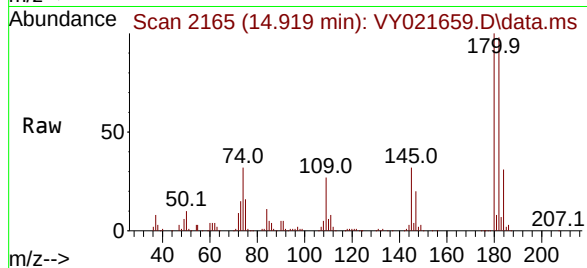
Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion:180 Resp: 147434

Ion Ratio Lower Upper

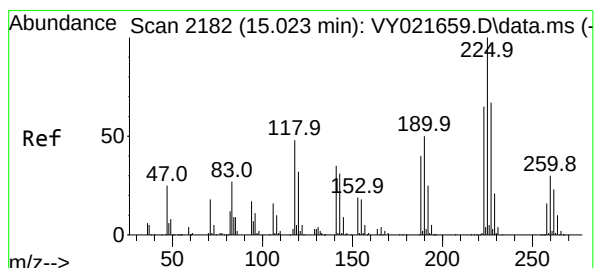
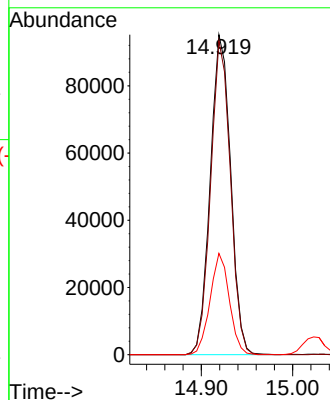
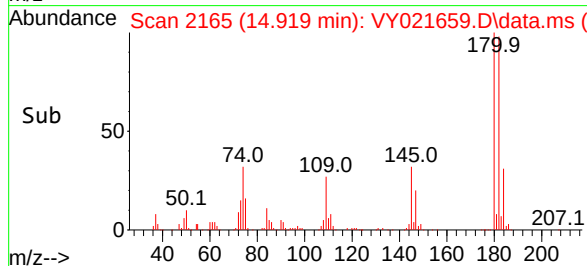
180 100

182 95.1 47.5 142.6

145 29.9 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#94

Hexachlorobutadiene

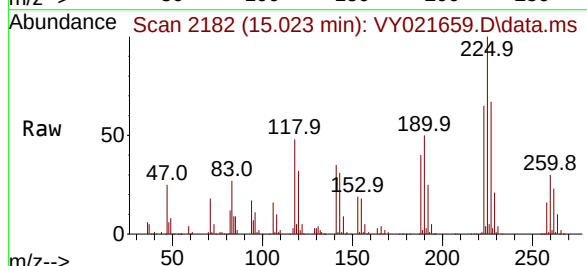
Concen: 50.642 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16



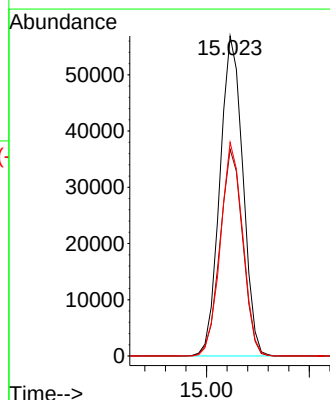
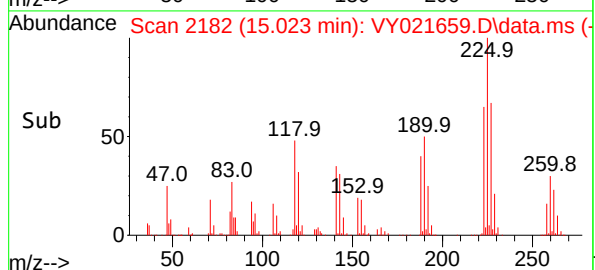
Tgt Ion:225 Resp: 88090

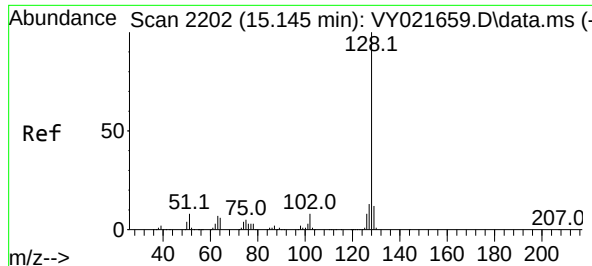
Ion Ratio Lower Upper

225 100

223 63.8 31.9 95.7

227 64.7 32.4 97.0





#95

Naphthalene

Concen: 54.848 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

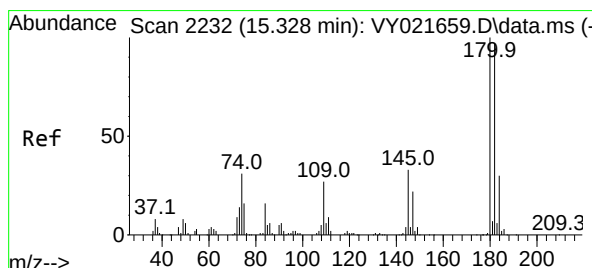
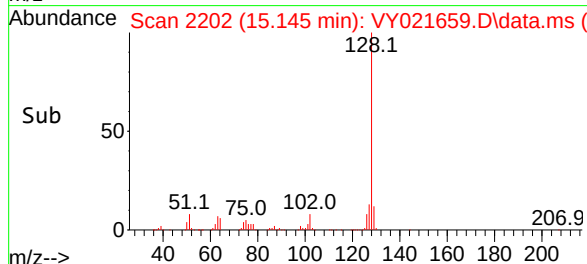
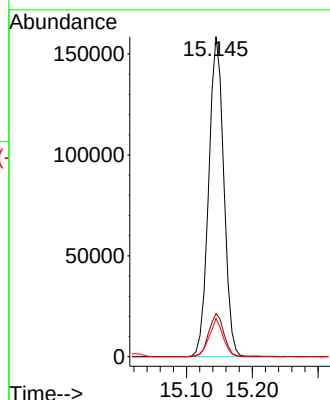
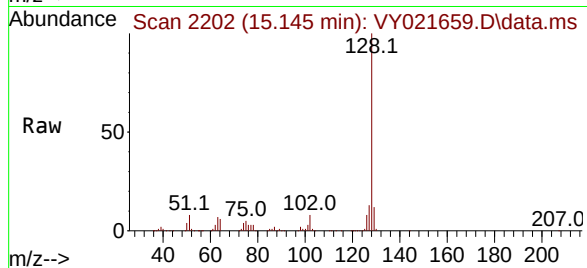
VSTDICCC050

Tgt Ion:	128	Resp:	253209
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.754 ug/l

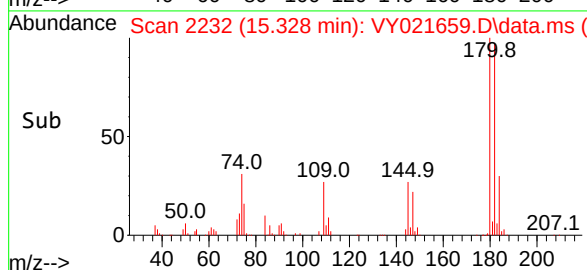
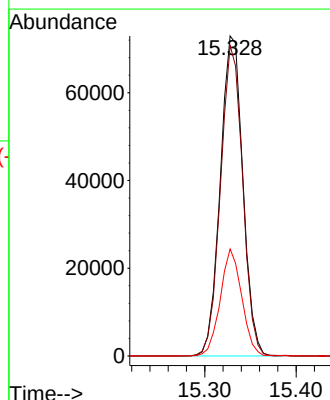
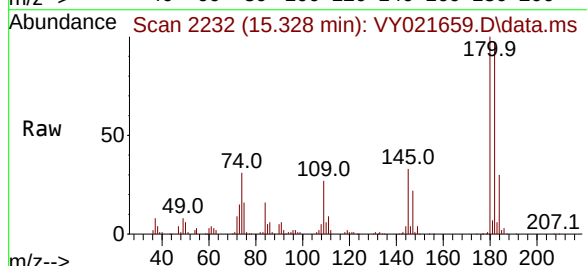
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	180	Resp:	125294
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	31.8	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.260%#	
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 200.360%#	
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 202.960%#	
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 202.960%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l	100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l	99
44) Trichloroethene	8.866	130	278937	97.190	ug/l	99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l	99
46) Dibromomethane	9.231	93	145186	94.482	ug/l	97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l	99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l	98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l	100
52) Toluene	10.170	92	706197	100.486	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l	97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l	98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l	100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l	99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l	100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l	98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l	98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l	100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l	100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l	99
69) o-Xylene	11.957	106	491895	104.369	ug/l	98
70) Styrene	11.969	104	833734	106.098	ug/l	99
71) Bromoform	12.133	173	152683	97.024	ug/l	100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l	100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l	
77) Bromobenzene	12.530	156	299163	99.323	ug/l	98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l	100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l	99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l	99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l	100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l	100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l	99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l	100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l	99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l	99
95) Naphthalene	15.145	128	508449	109.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

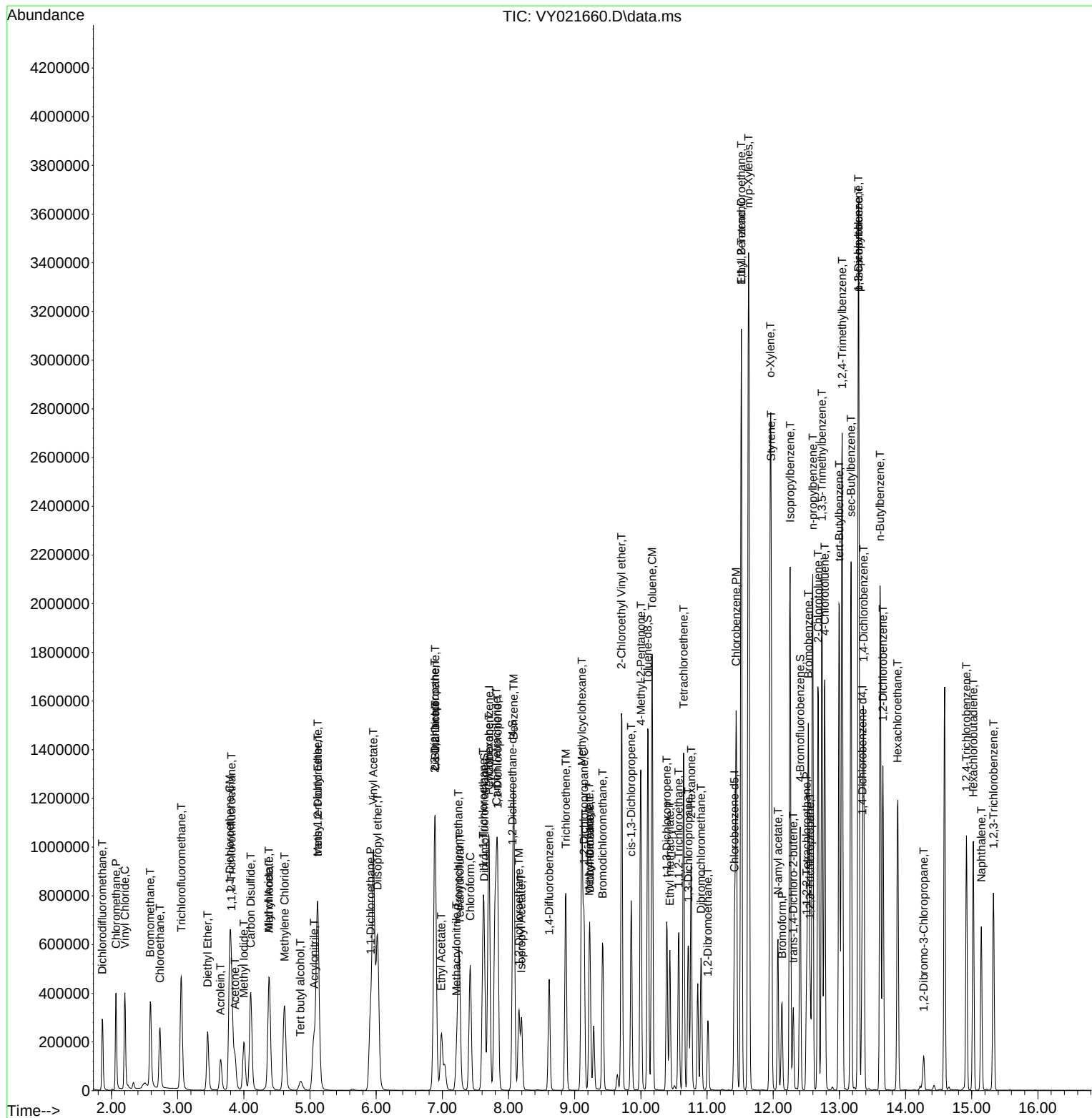
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

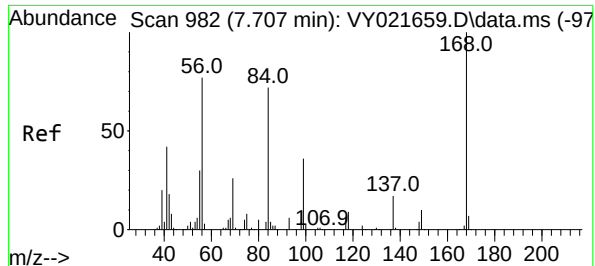
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
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Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration





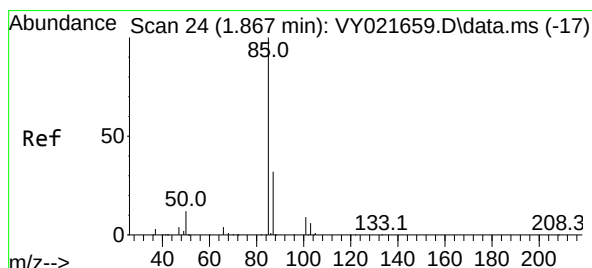
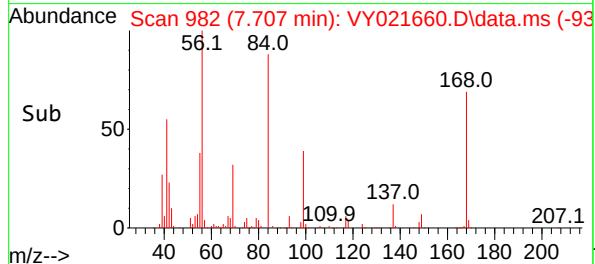
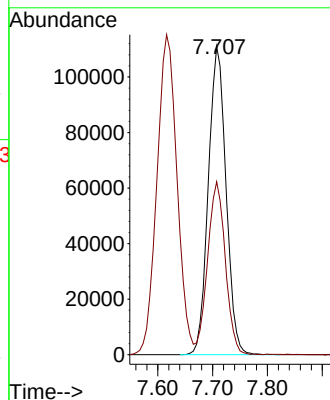
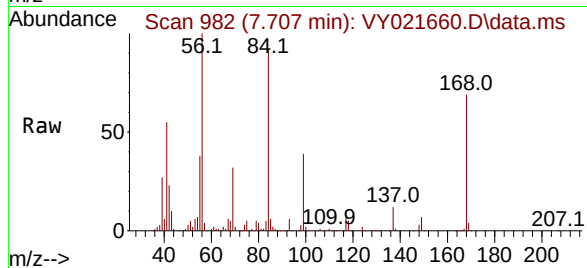
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 24804
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1

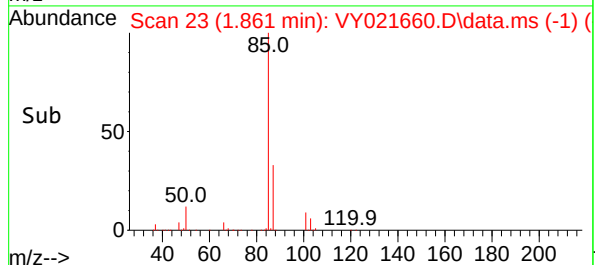
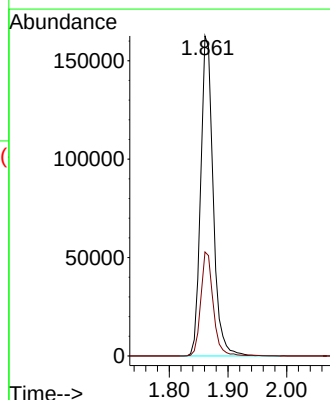
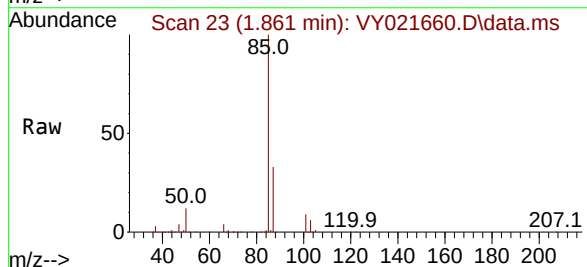
Manual Integrations
APPROVED

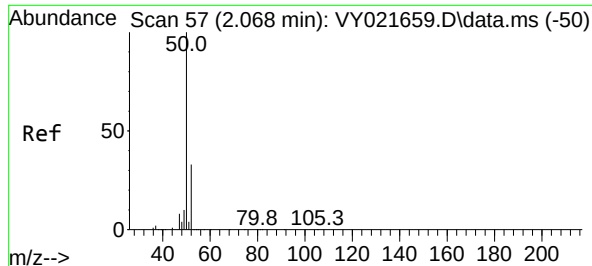
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6





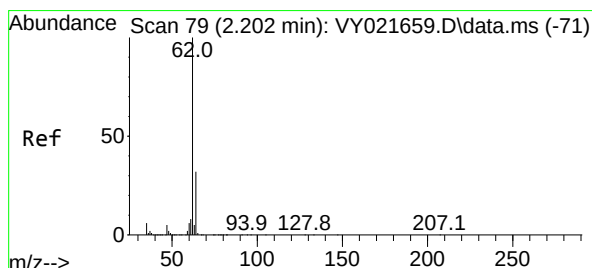
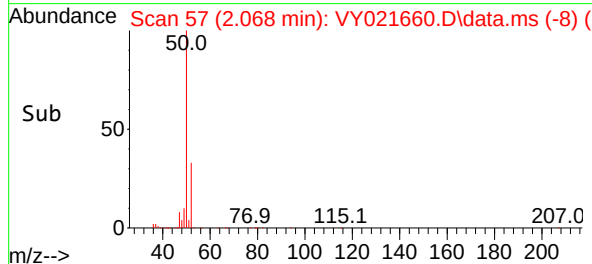
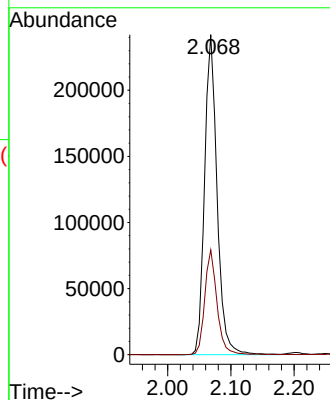
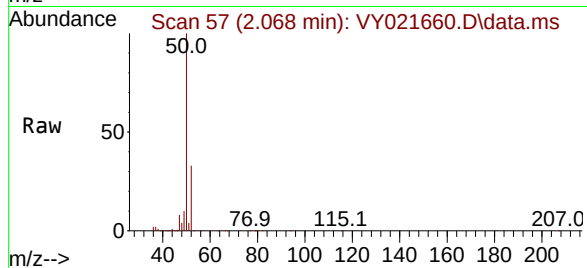
#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 33331
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

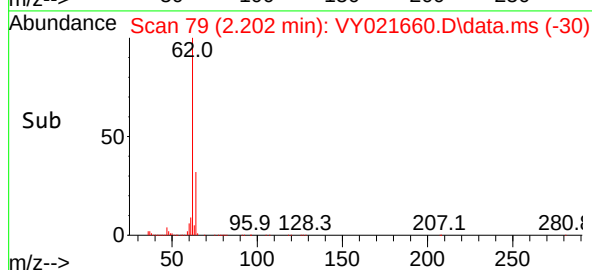
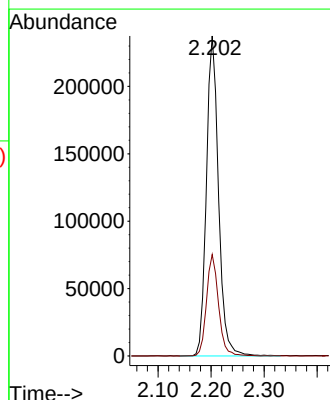
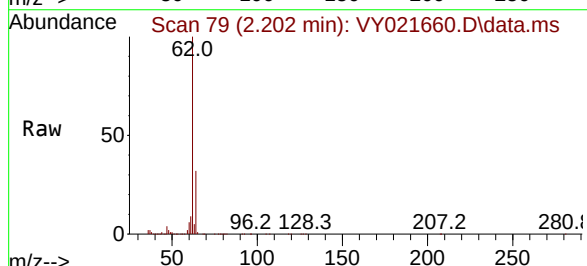
Manual Integrations
APPROVED

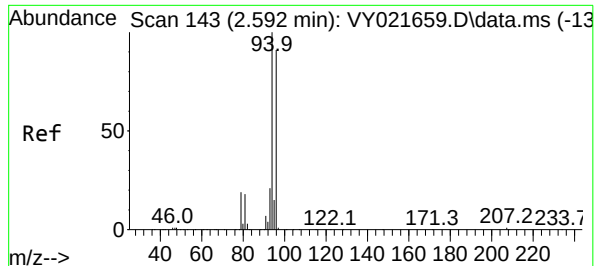
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

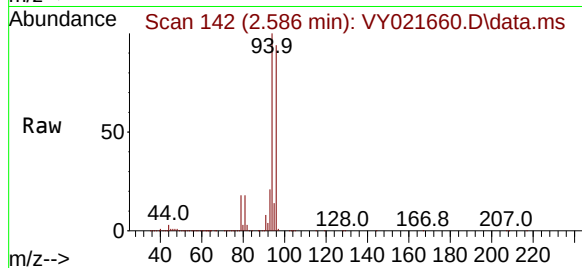
Tgt Ion: 62 Resp: 375853
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3





#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

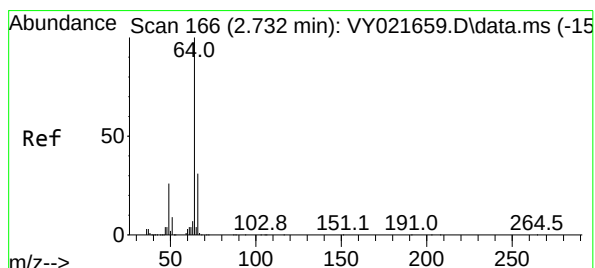
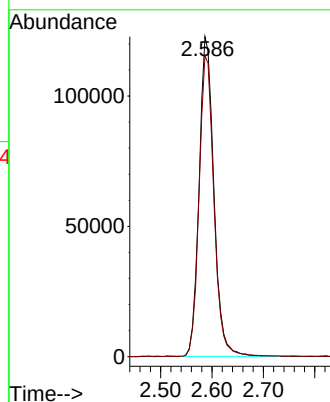
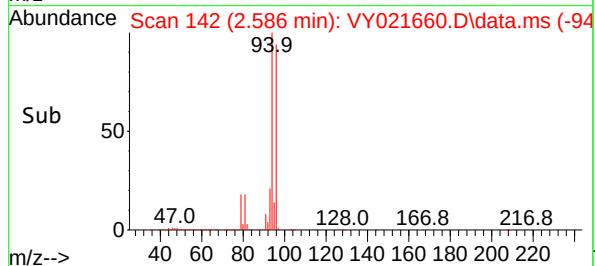
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 94 Resp: 24505
Ion Ratio Lower Upper
94 100
96 94.0 72.8 109.2

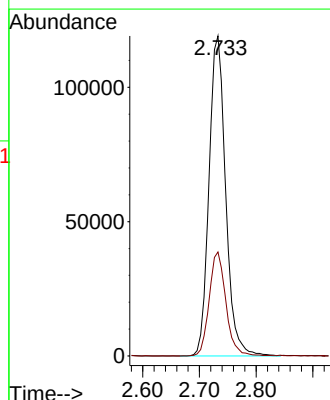
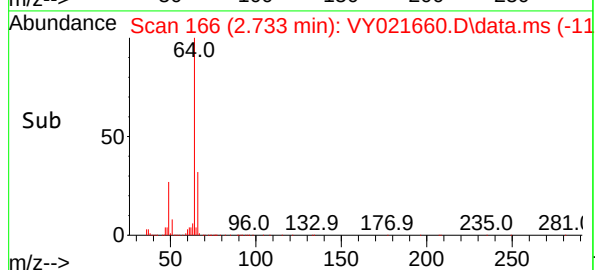
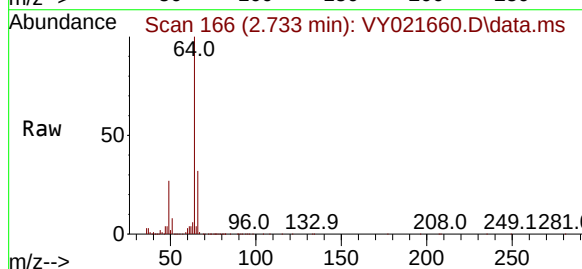
Manual Integrations
APPROVED

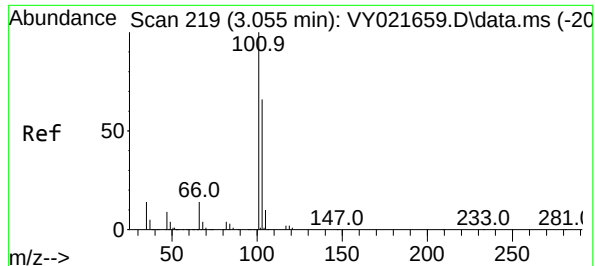
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

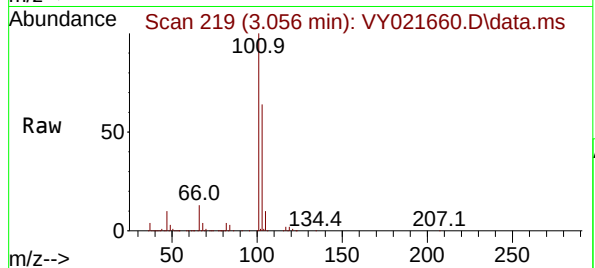
Tgt Ion: 64 Resp: 242934
Ion Ratio Lower Upper
64 100
66 32.5 24.9 37.3





#7
Trichlorofluoromethane
Concen: 91.568 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

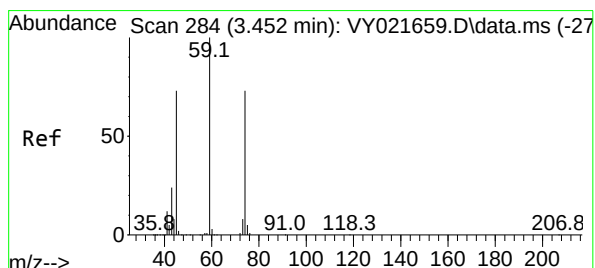
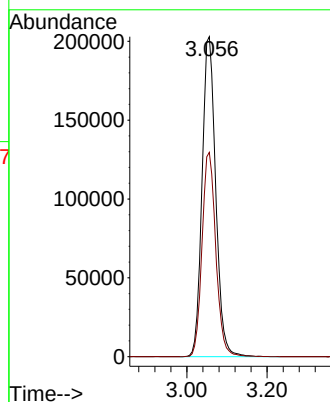
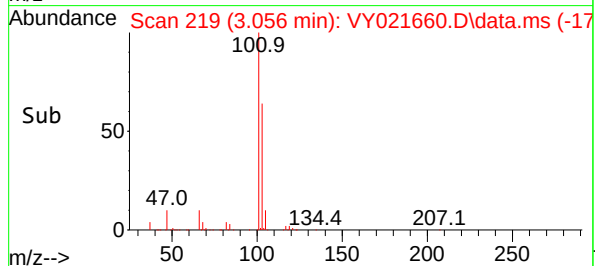
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 479554
Ion Ratio Lower Upper
101 100
103 63.9 53.1 79.7

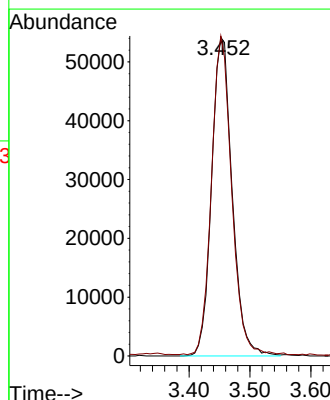
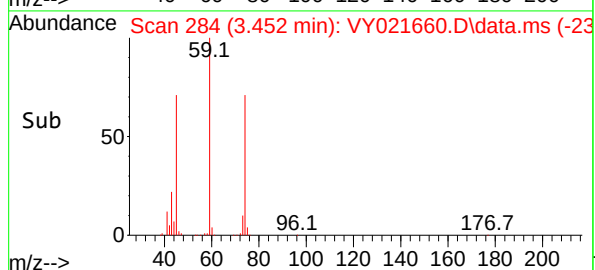
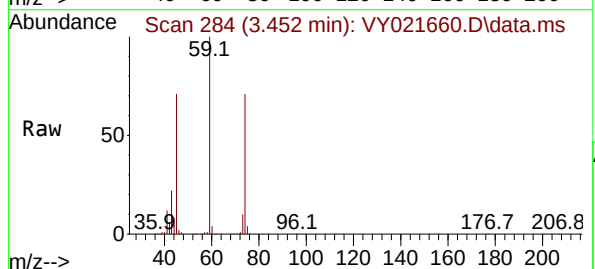
Manual Integrations
APPROVED

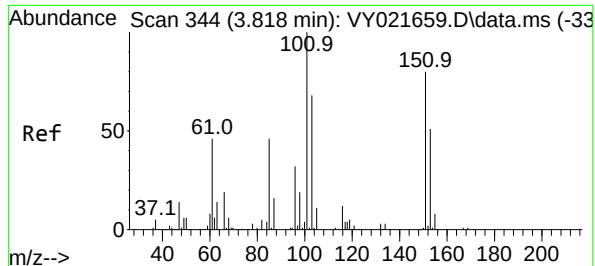
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 89.276 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148
Ion Ratio Lower Upper
74 100
45 97.6 48.6 145.8





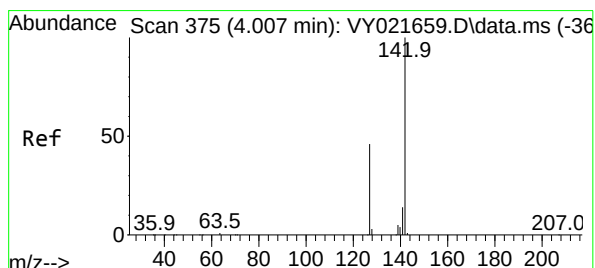
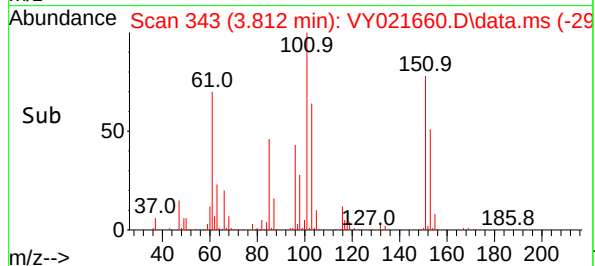
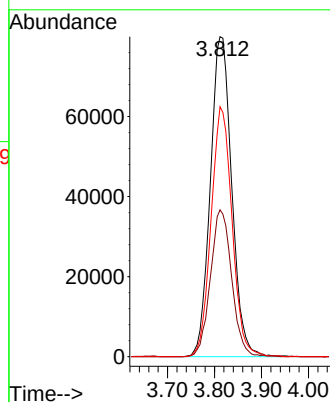
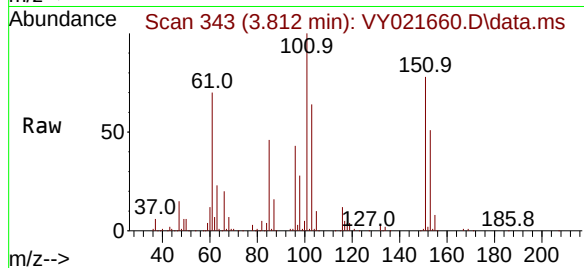
#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 25287
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 76.7 61.3 91.9

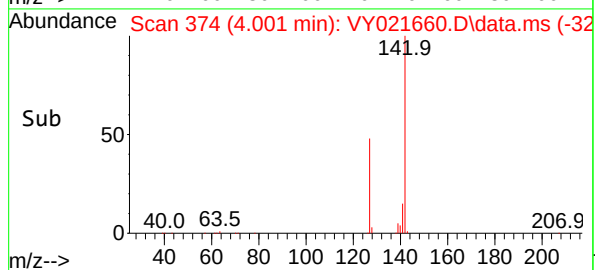
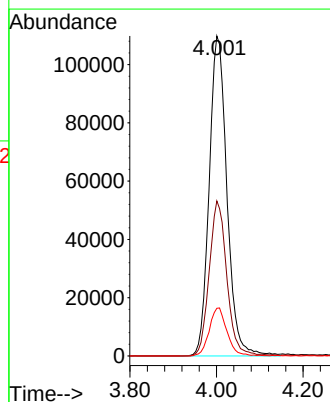
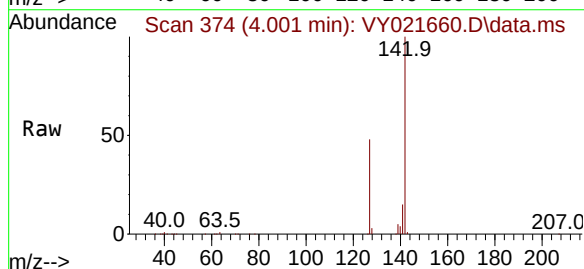
Manual Integrations
APPROVED

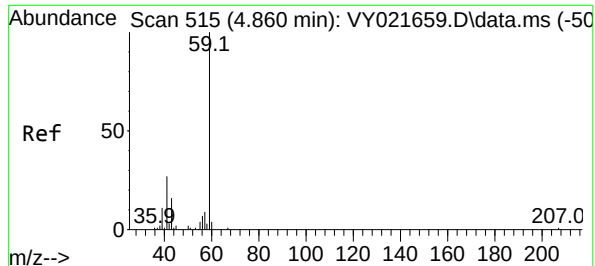
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241
Ion Ratio Lower Upper
142 100
127 48.2 38.7 58.1
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 415.131 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 72464

Ion Ratio Lower Upper

59 100

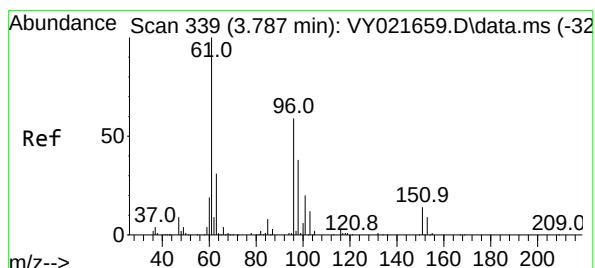
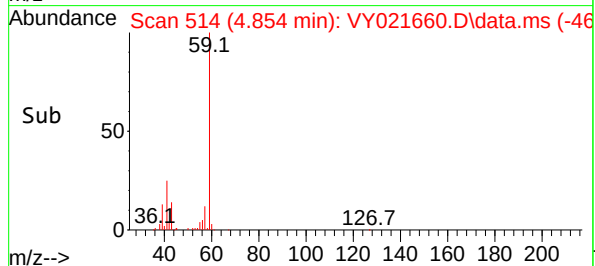
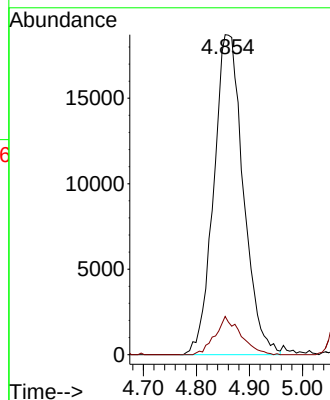
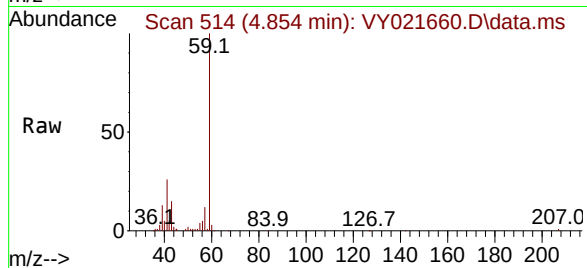
57 10.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 94.504 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

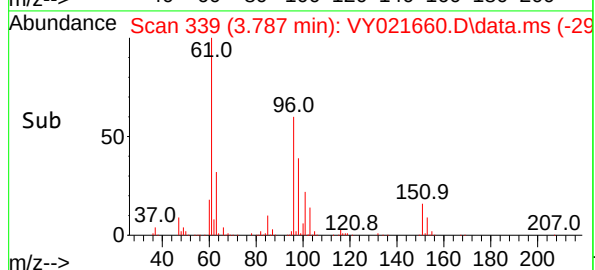
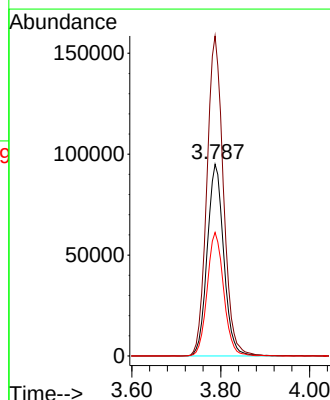
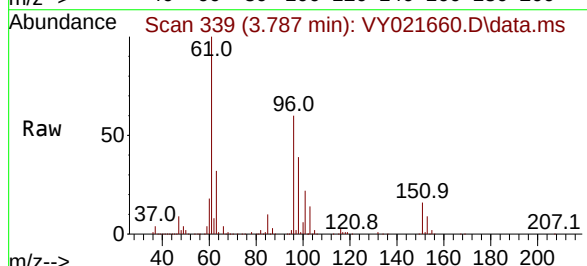
Tgt Ion: 96 Resp: 245873

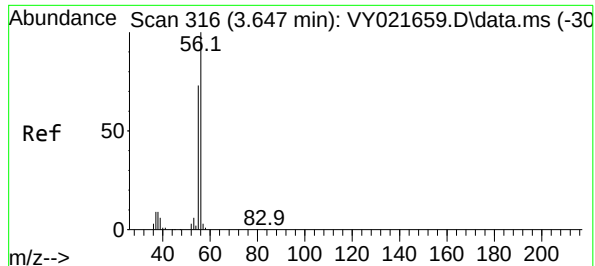
Ion Ratio Lower Upper

96 100

61 166.9 136.6 204.8

98 64.4 52.3 78.5





#13

Acrolein

Concen: 456.581 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 56 Resp: 14552

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0

Instrument :

MSVOA_Y

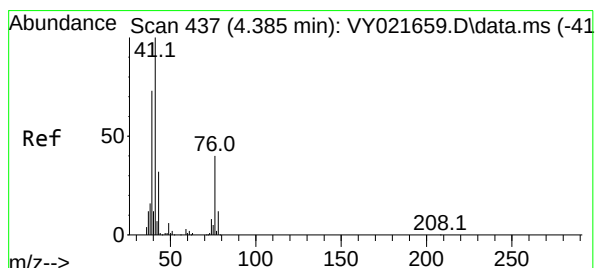
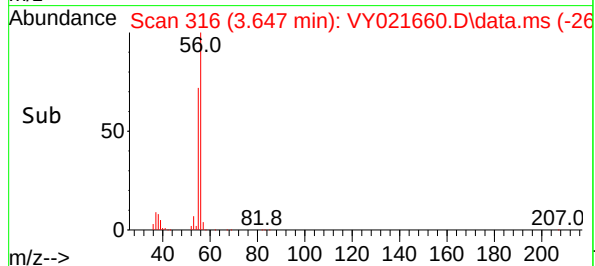
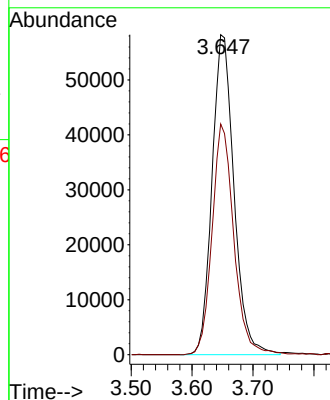
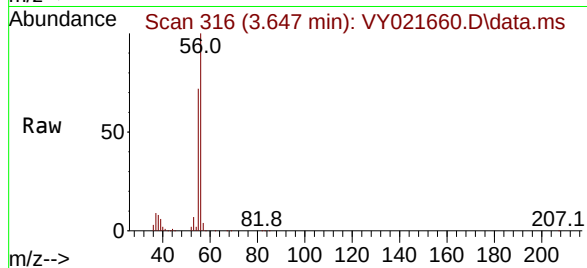
ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 97.292 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

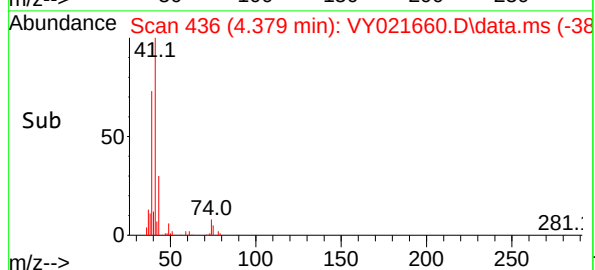
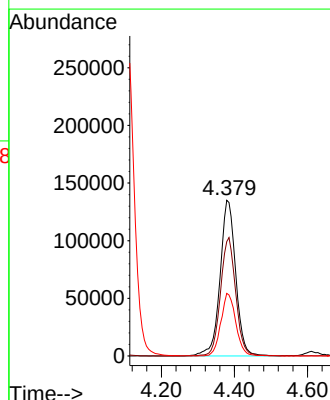
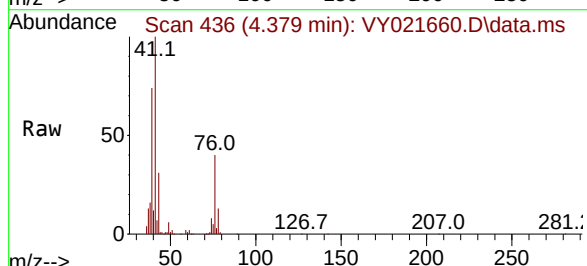
Tgt Ion: 41 Resp: 403587

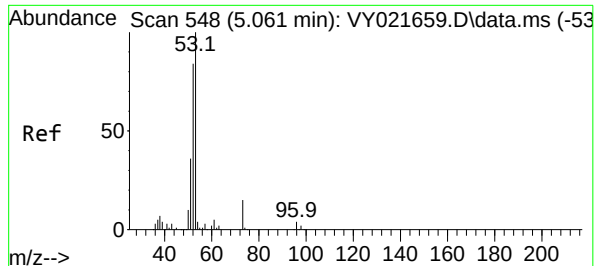
Ion Ratio Lower Upper

41 100

39 74.0 58.6 88.0

76 38.3 30.3 45.5





#15

Acrylonitrile

Concen: 454.005 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 269979

Ion Ratio Lower Upper

53 100

52 81.8 64.9 97.3

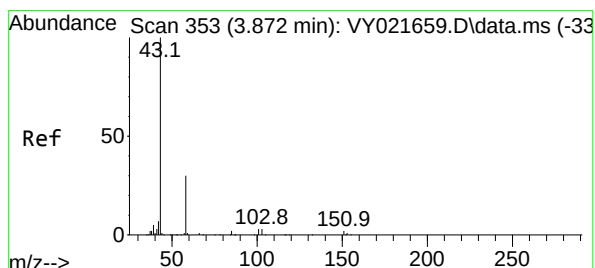
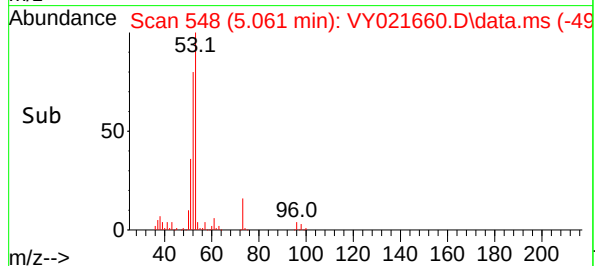
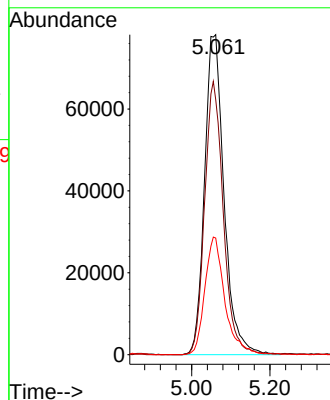
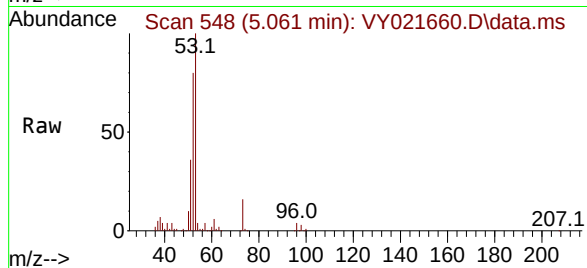
51 37.8 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 391.376 ug/l

RT: 3.867 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021660.D

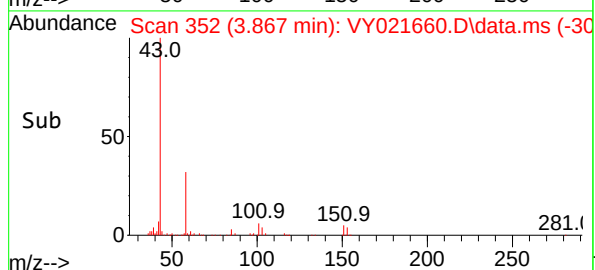
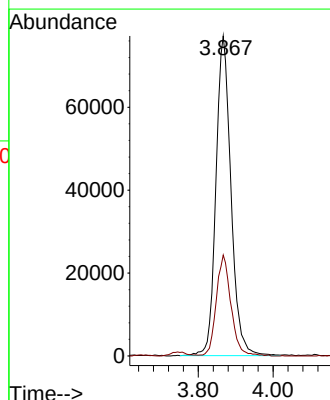
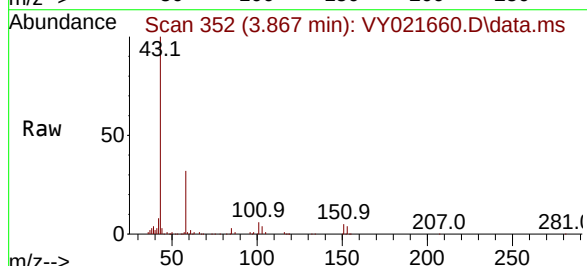
Acq: 27 Mar 2025 11:39

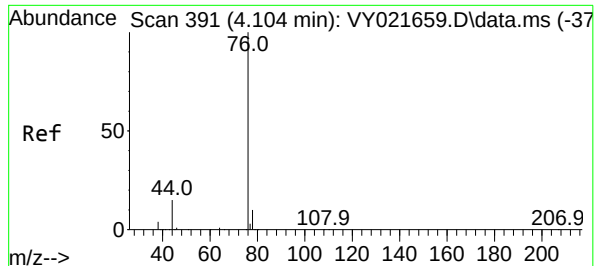
Tgt Ion: 43 Resp: 215263

Ion Ratio Lower Upper

43 100

58 31.6 24.2 36.4





#17

Carbon Disulfide

Concen: 93.952 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 805100

Ion Ratio Lower Upper

76 100

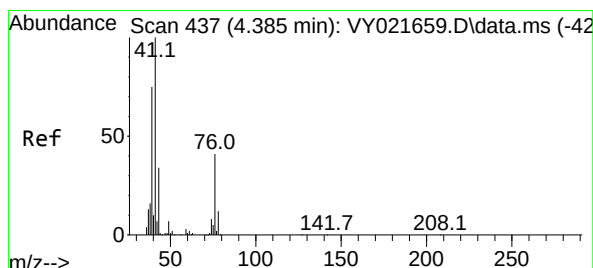
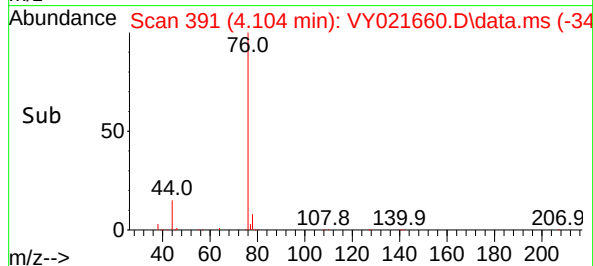
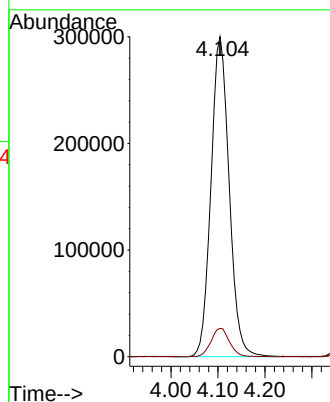
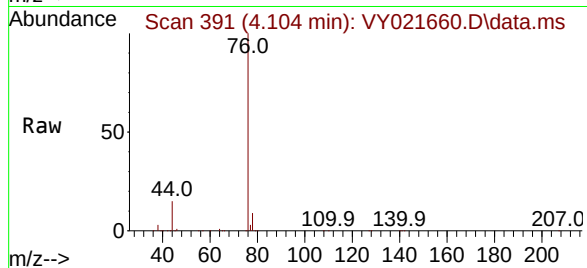
78 8.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#18

Methyl Acetate

Concen: 88.304 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021660.D

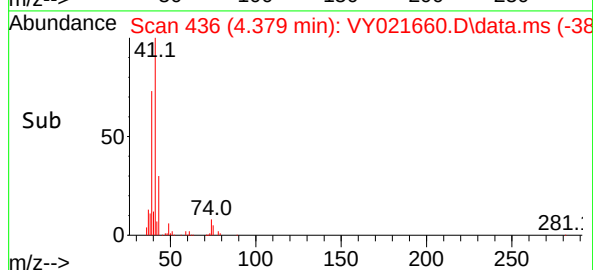
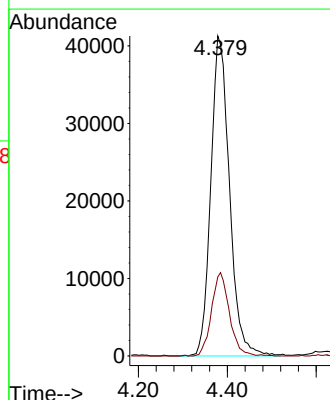
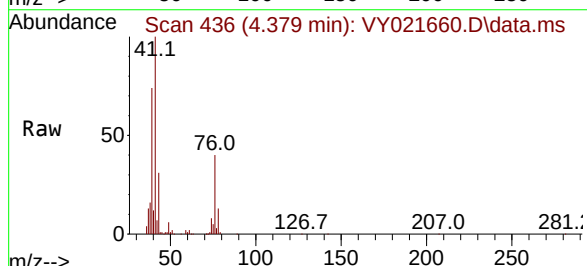
Acq: 27 Mar 2025 11:39

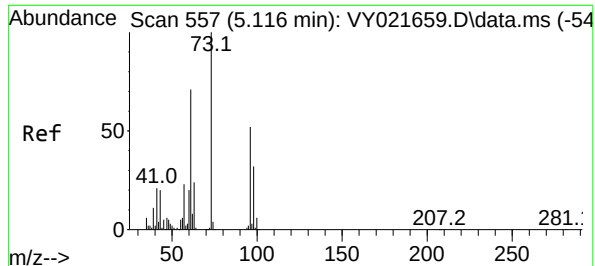
Tgt Ion: 43 Resp: 120373

Ion Ratio Lower Upper

43 100

74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 96.160 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 622864

Ion Ratio Lower Upper

73 100

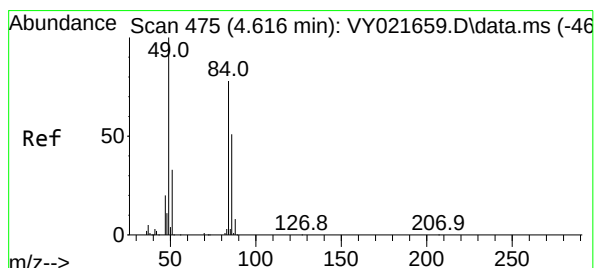
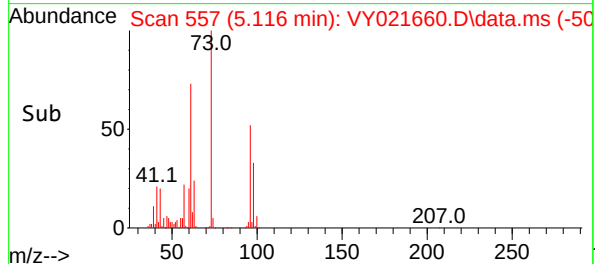
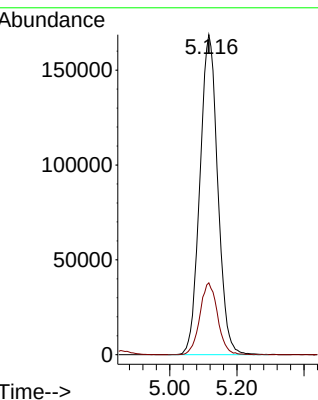
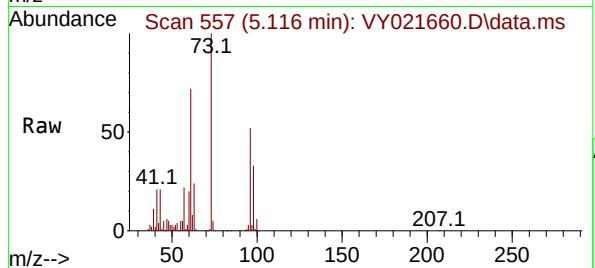
57 22.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 99.325 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

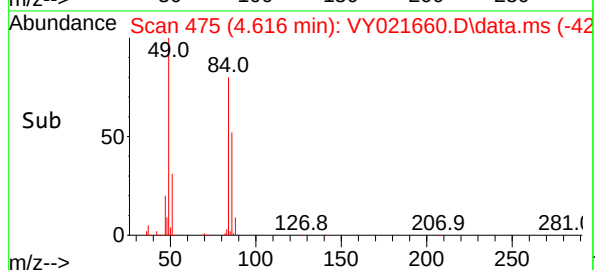
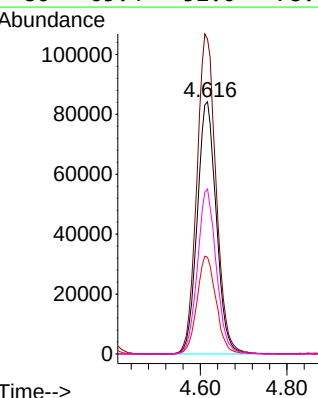
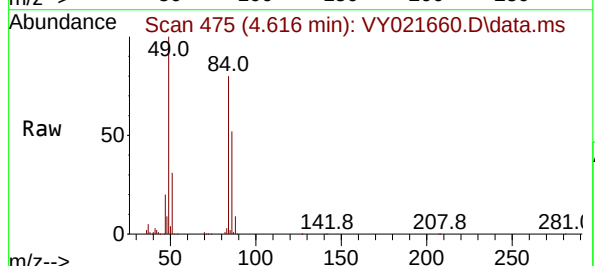
Ion Ratio Lower Upper

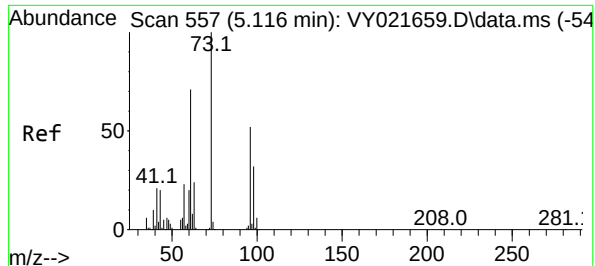
84 100

49 124.8 102.8 154.2

51 38.3 33.5 50.3

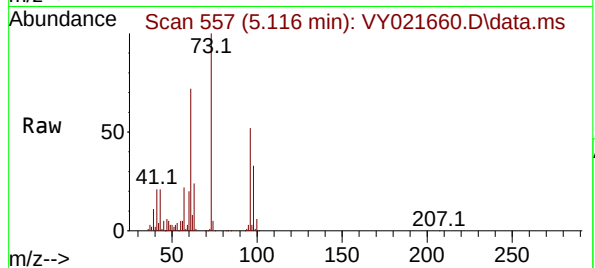
86 65.4 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

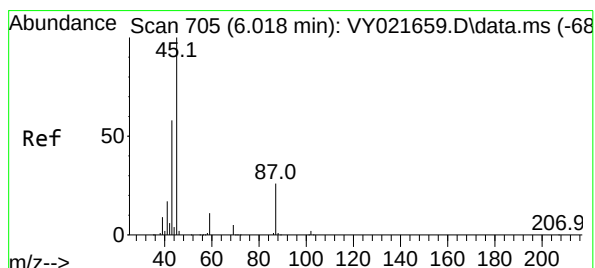
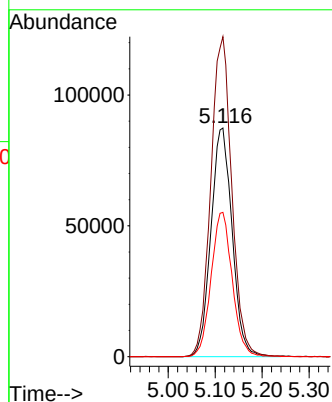
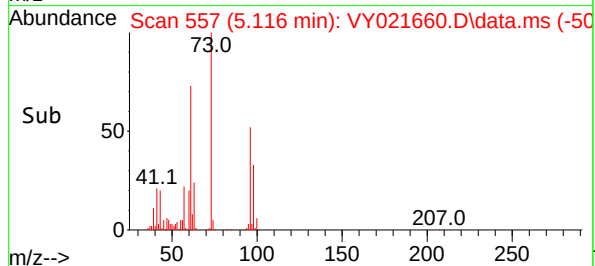
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 273524
Ion Ratio Lower Upper
96 100
61 140.0 109.4 164.0
98 63.1 50.2 75.2

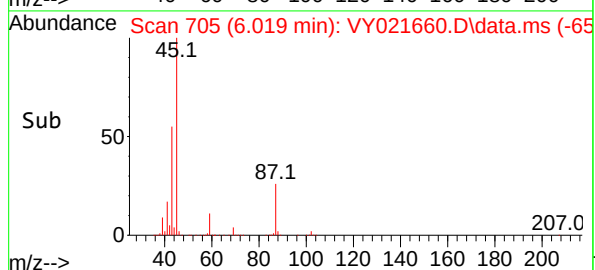
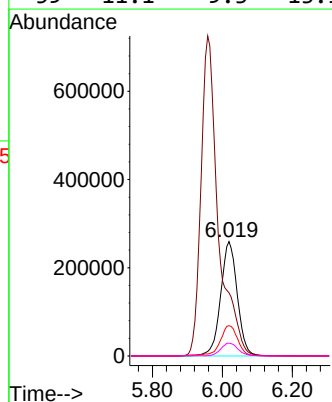
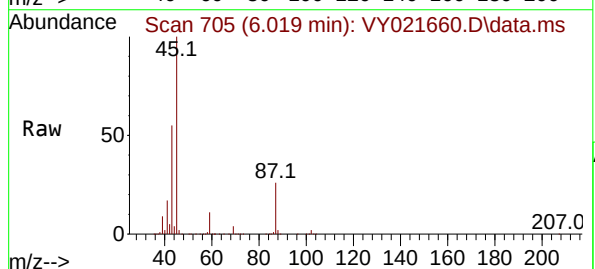
Manual Integrations
APPROVED

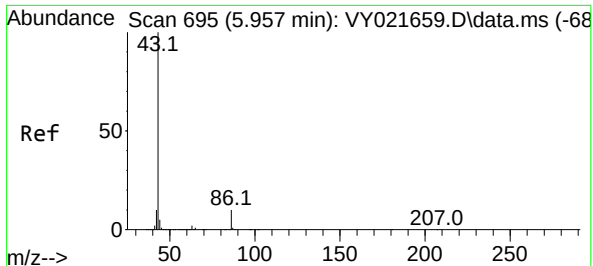
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783
Ion Ratio Lower Upper
45 100
43 55.2 46.6 69.8
87 26.5 20.7 31.1
59 11.1 9.3 13.9





#23

Vinyl Acetate

Concen: 489.304 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 249086

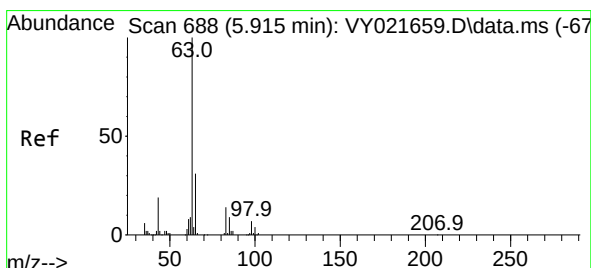
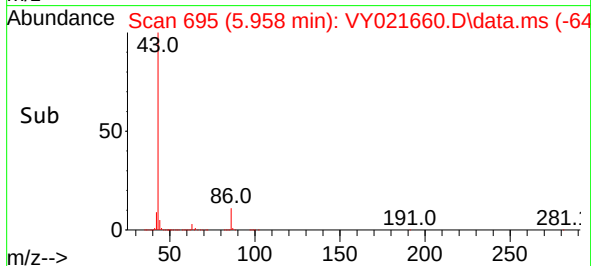
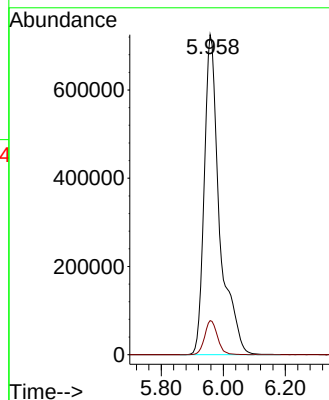
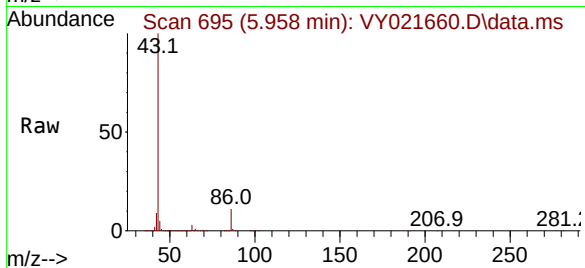
Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#24

1,1-Dichloroethane

Concen: 94.595 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

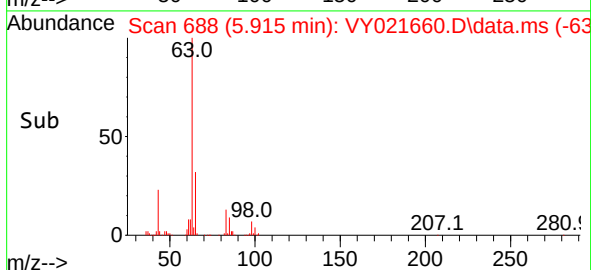
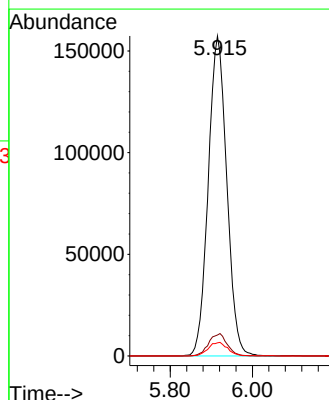
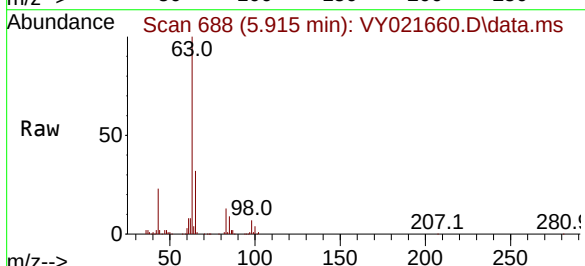
Tgt Ion: 63 Resp: 492205

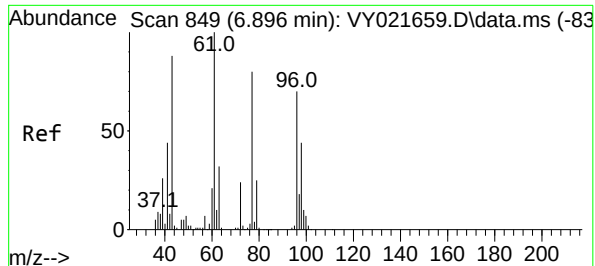
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 442.999 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 34801

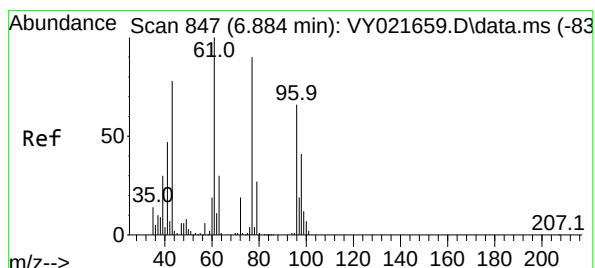
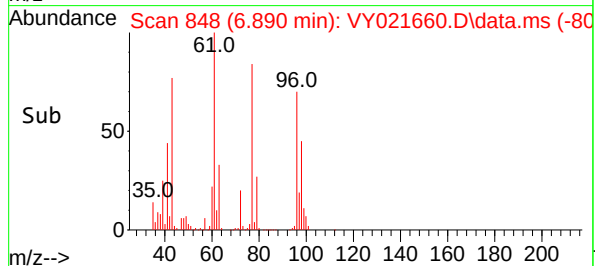
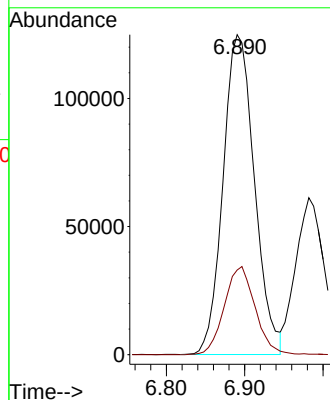
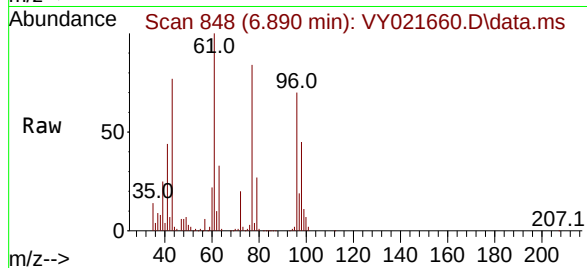
Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#26

2,2-Dichloropropane

Concen: 94.960 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021660.D

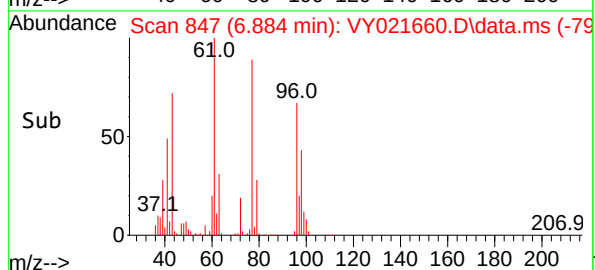
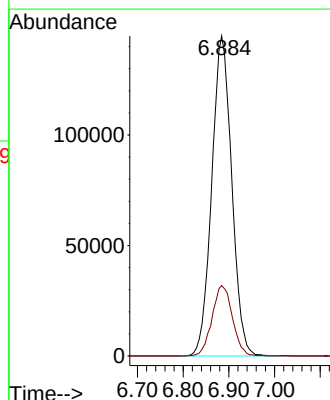
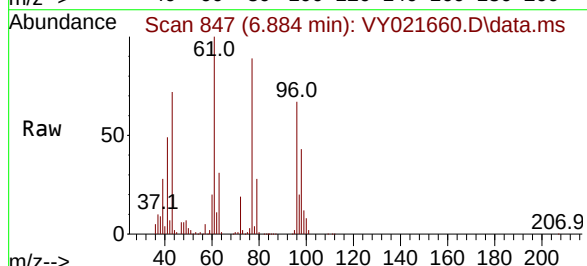
Acq: 27 Mar 2025 11:39

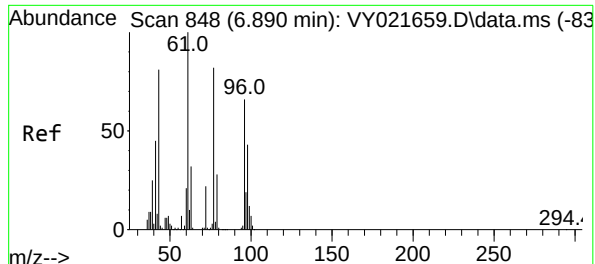
Tgt Ion: 77 Resp: 439519

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 97.115 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 312849

Ion Ratio Lower Upper

96 100

61 147.7 0.0 296.4

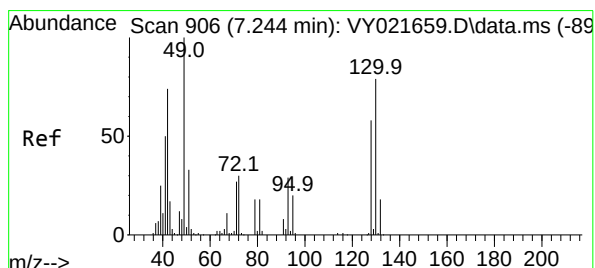
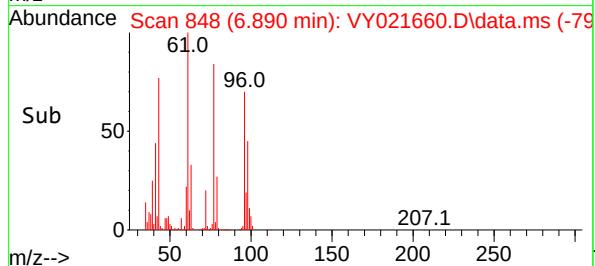
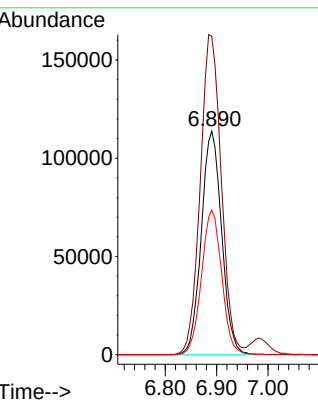
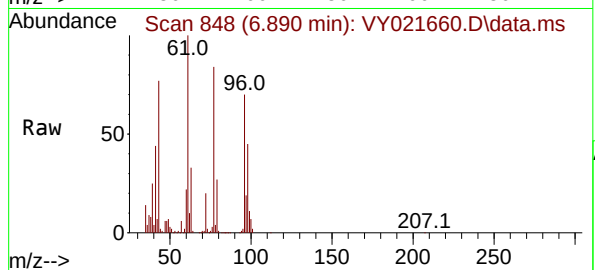
98 64.2 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 94.860 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

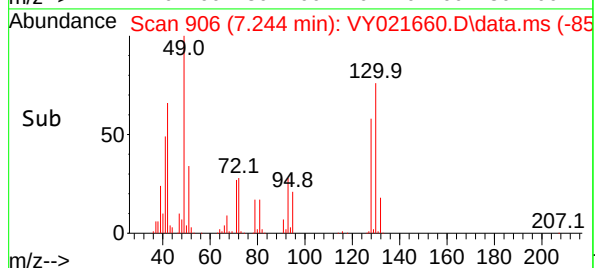
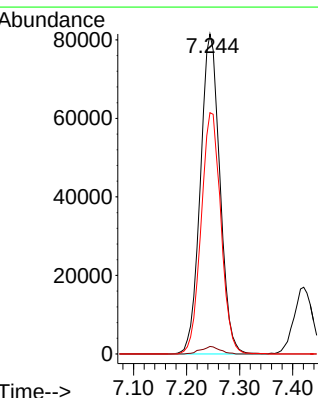
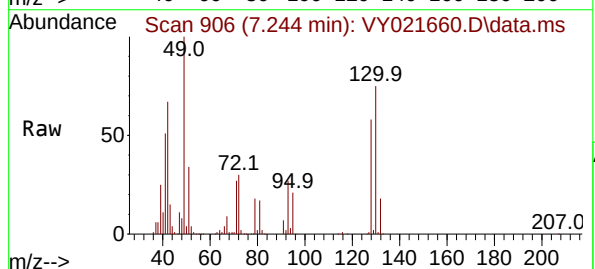
Tgt Ion: 49 Resp: 208162

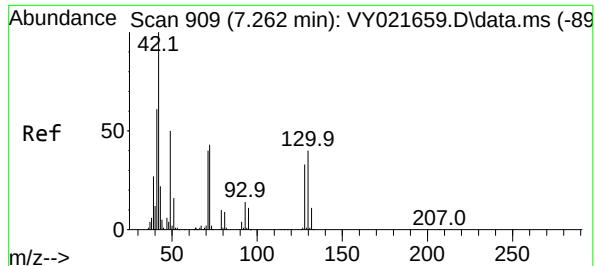
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.3 60.1 90.1





#29

Tetrahydrofuran

Concen: 457.752 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 231439

Ion Ratio Lower Upper

42 100

72 44.0 34.6 52.0

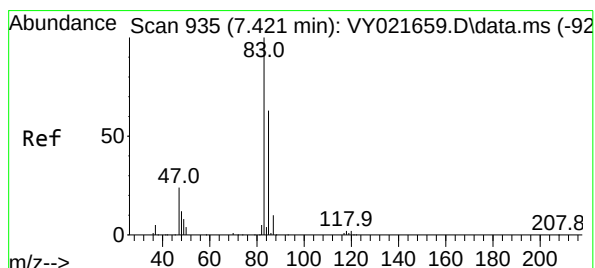
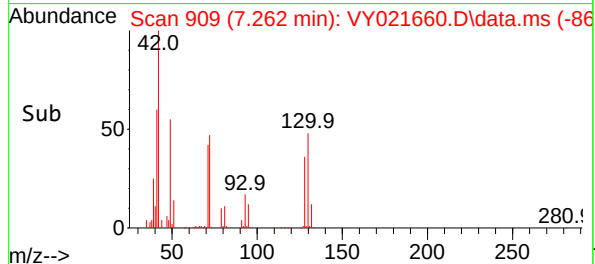
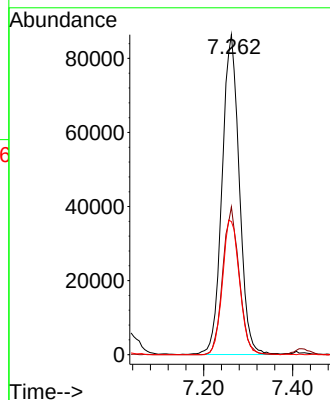
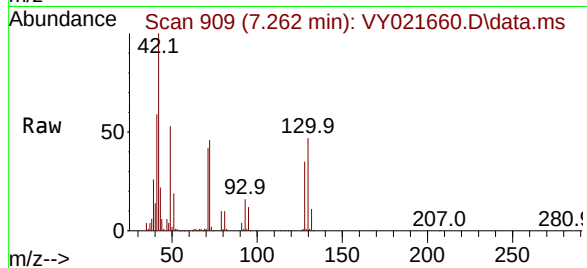
71 42.0 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 94.087 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021660.D

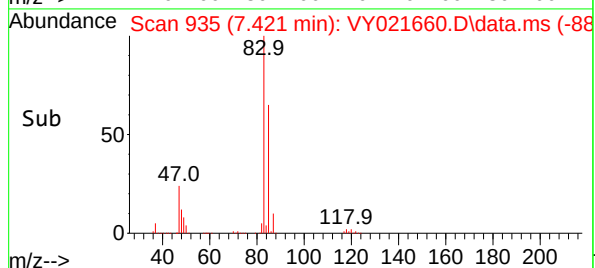
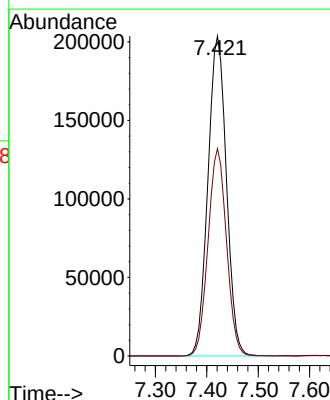
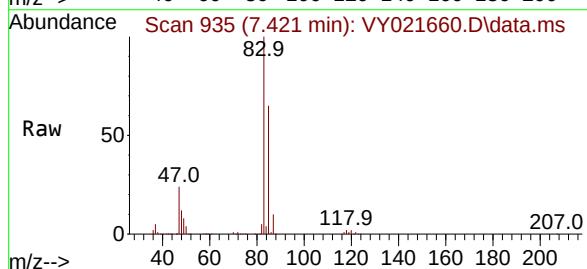
Acq: 27 Mar 2025 11:39

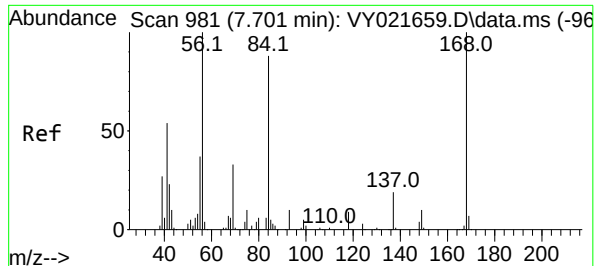
Tgt Ion: 83 Resp: 509194

Ion Ratio Lower Upper

83 100

85 64.8 50.6 75.8





#31

Cyclohexane

Concen: 92.706 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 439720

Ion Ratio Lower Upper

56 100

69 32.7 26.6 40.0

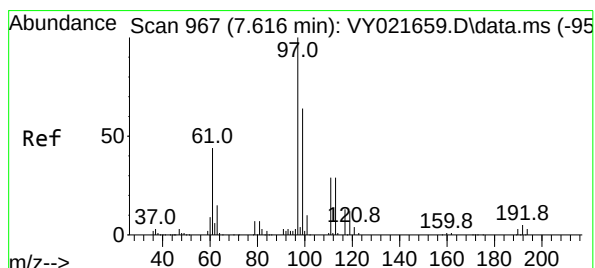
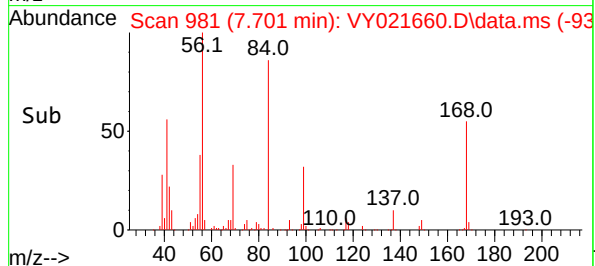
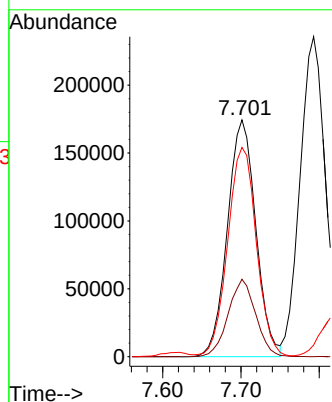
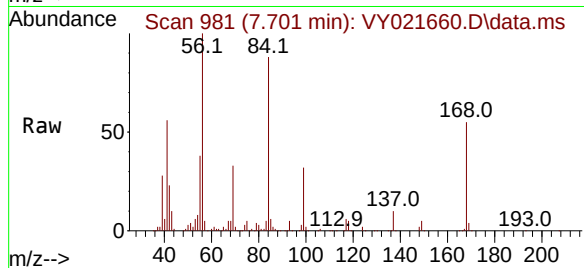
84 86.5 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 94.182 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

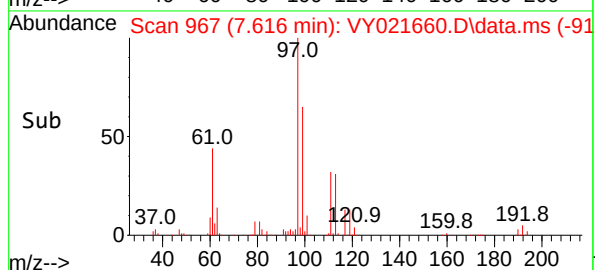
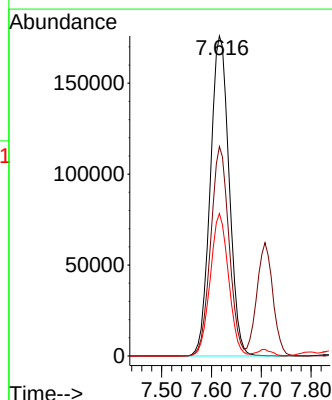
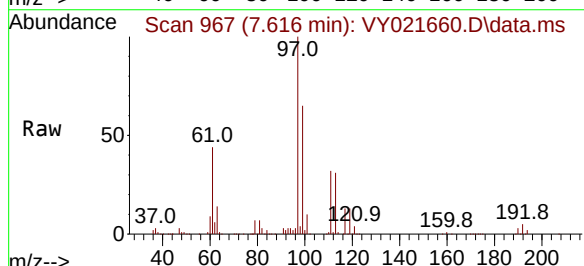
Tgt Ion: 97 Resp: 460680

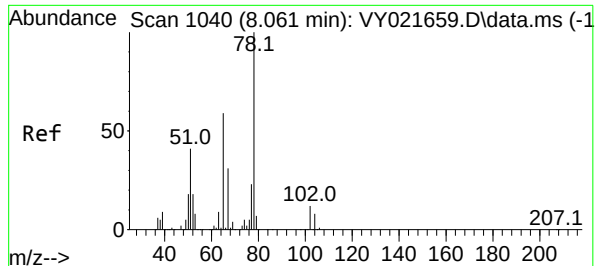
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 43.5 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 94.129 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 252968

Ion Ratio Lower Upper

65 100

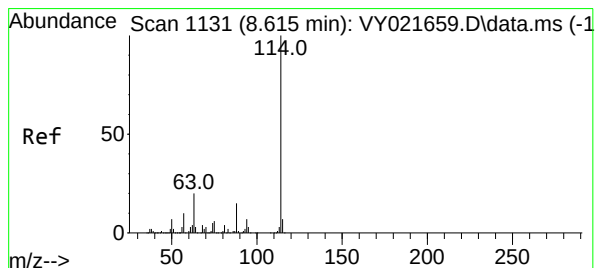
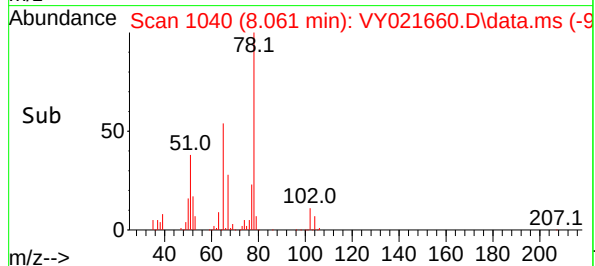
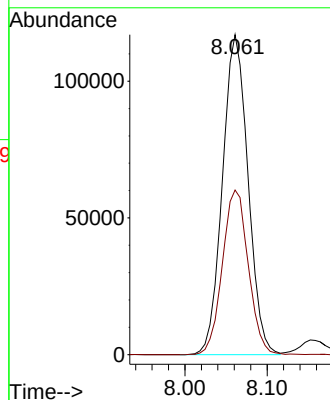
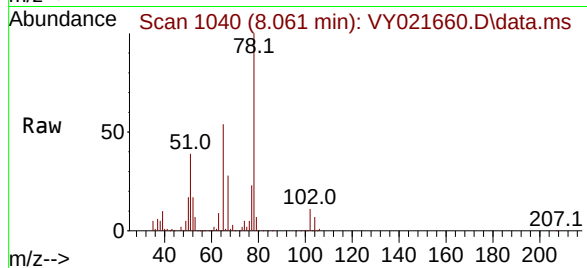
67 52.2 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

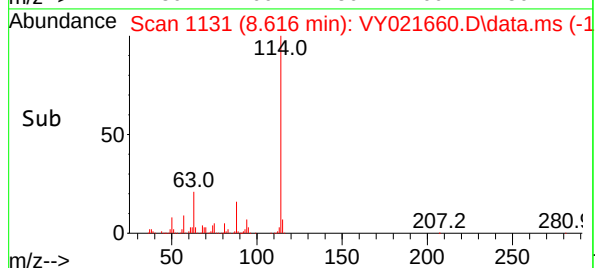
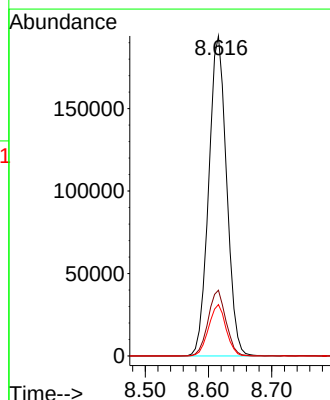
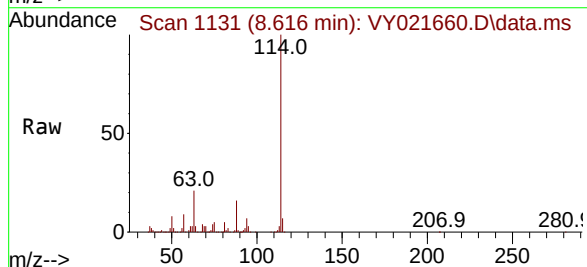
Tgt Ion:114 Resp: 380682

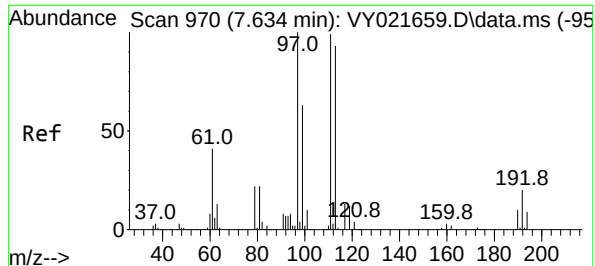
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 16.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 100.177 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 247380

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

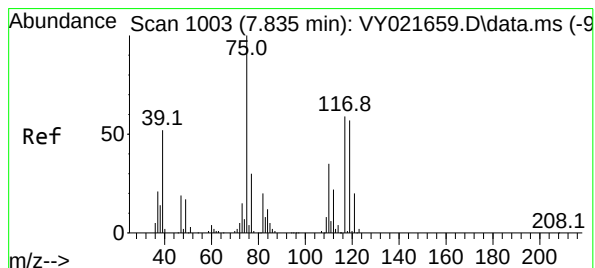
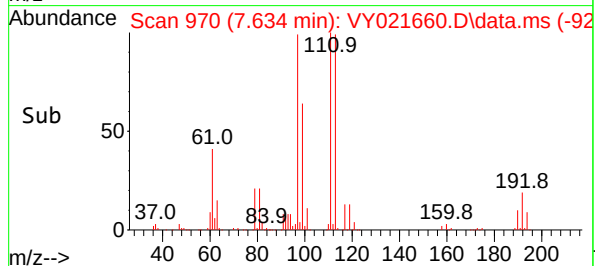
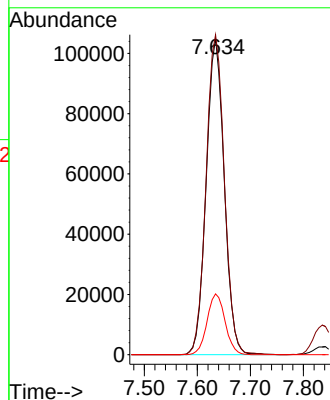
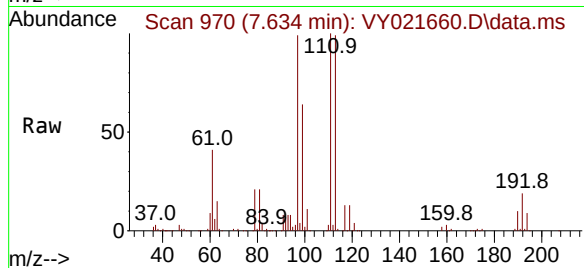
192 19.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 98.035 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

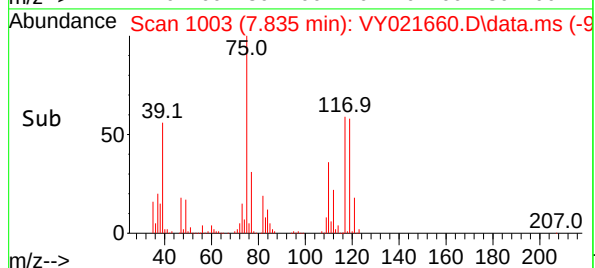
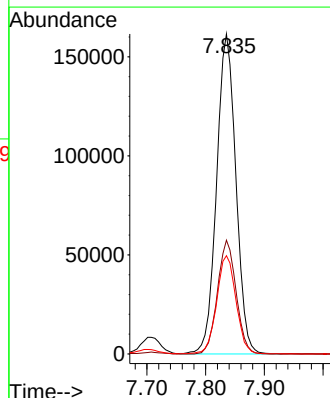
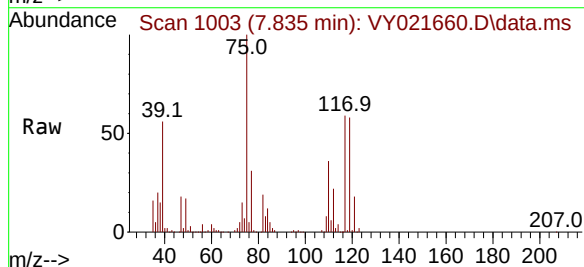
Tgt Ion: 75 Resp: 368741

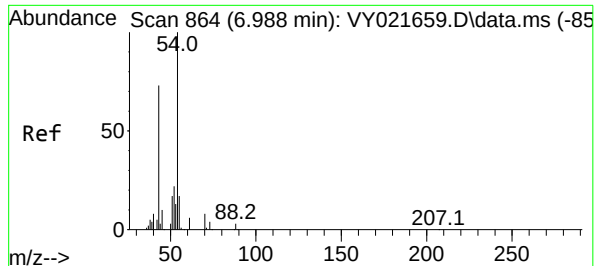
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.8 24.8 37.2





#37

Ethyl Acetate

Concen: 90.529 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 160700

Ion Ratio Lower Upper

43 100

61 13.9 11.0 16.6

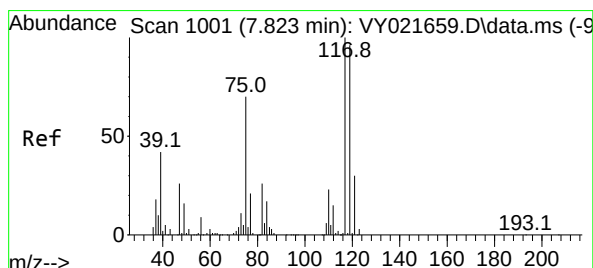
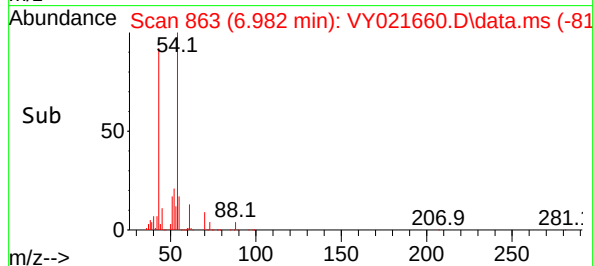
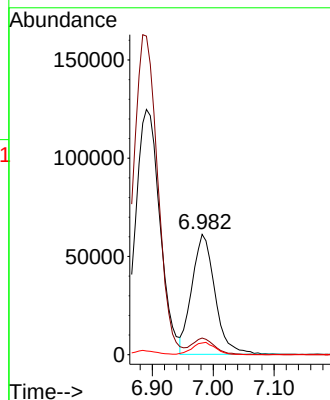
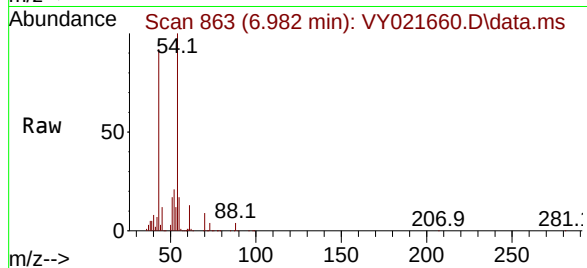
70 10.2 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 96.746 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

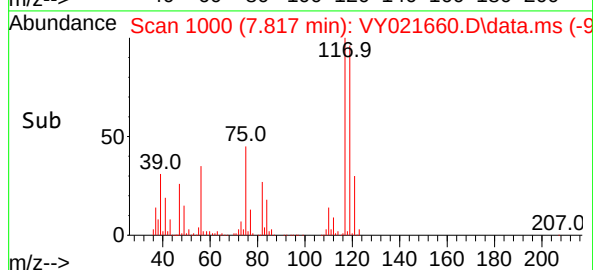
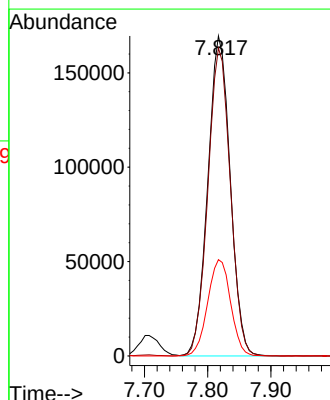
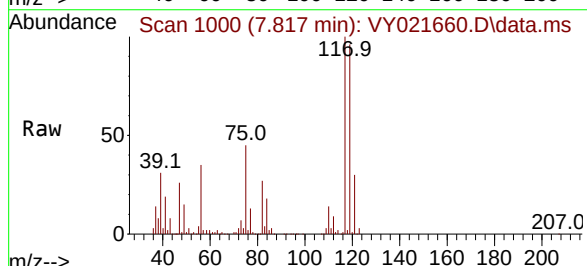
Tgt Ion:117 Resp: 416779

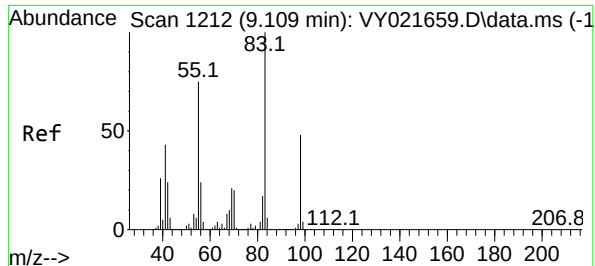
Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.4

121 30.1 24.2 36.4





#39

Methylcyclohexane

Concen: 103.663 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 465789

Ion Ratio Lower Upper

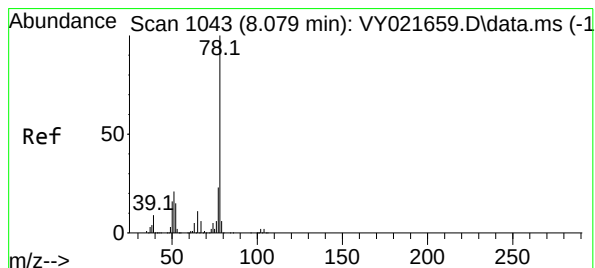
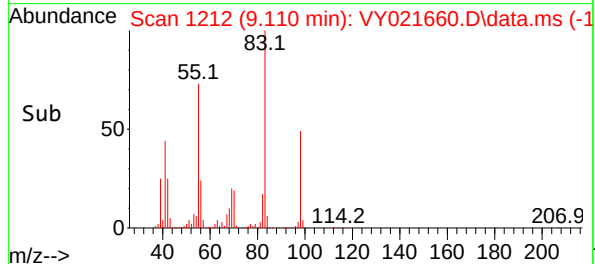
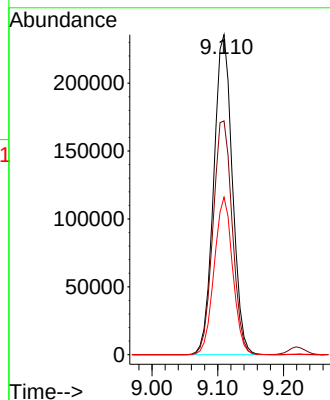
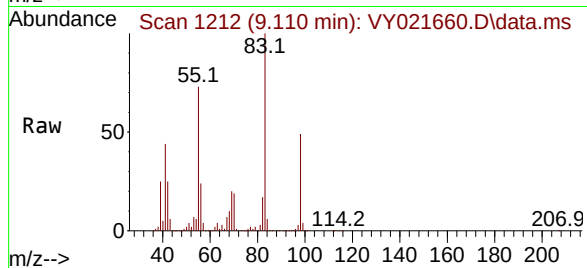
83 100

55 73.0 59.7 89.5

98 49.2 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#40

Benzene

Concen: 97.692 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021660.D

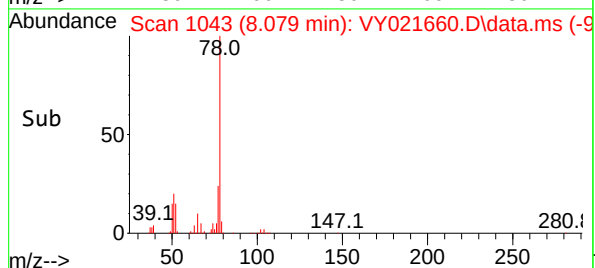
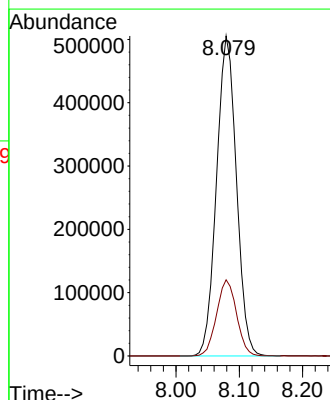
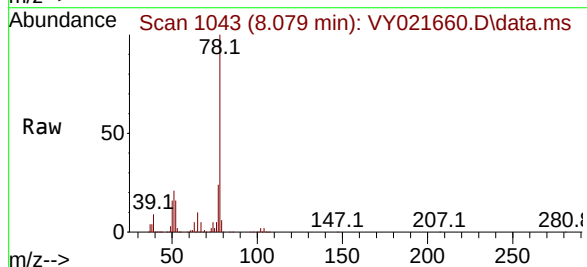
Acq: 27 Mar 2025 11:39

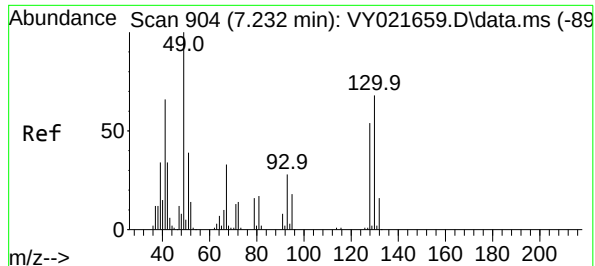
Tgt Ion: 78 Resp: 1100425

Ion Ratio Lower Upper

78 100

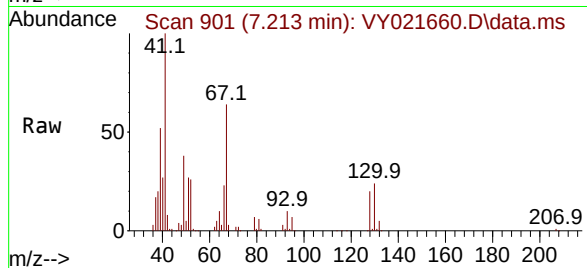
77 23.8 18.8 28.2





#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

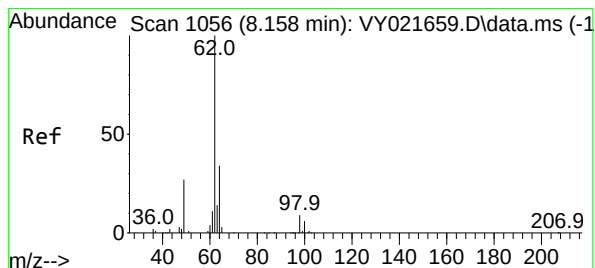
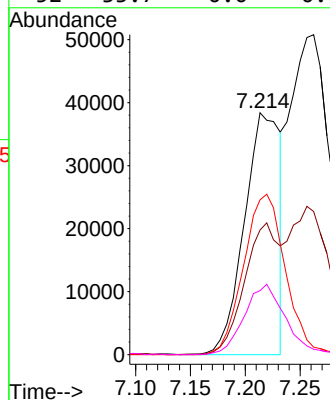
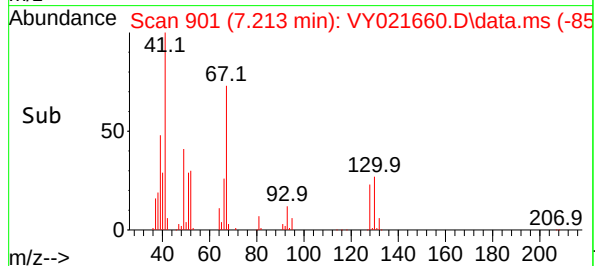
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 8688
Ion Ratio Lower Upper
41 100
39 52.8 0.0 0.0
67 78.1 0.0 0.0
52 33.7 0.0 0.0

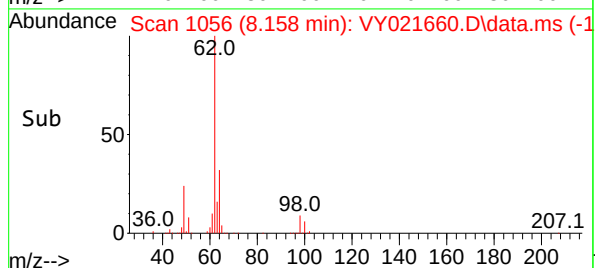
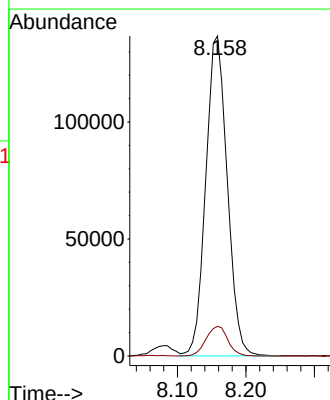
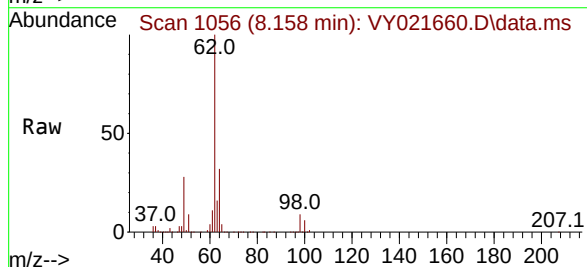
Manual Integrations
APPROVED

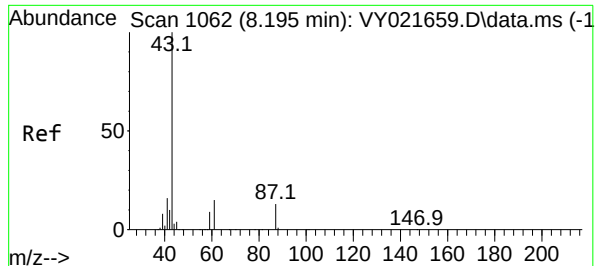
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 93.952 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 298349
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 95.153 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 32009

Ion Ratio Lower Upper

43 100

61 20.0 15.9 23.9

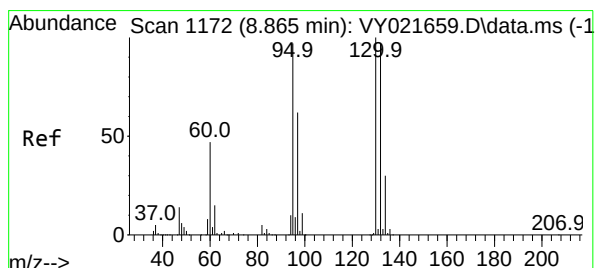
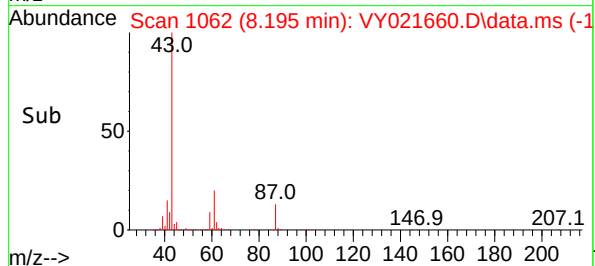
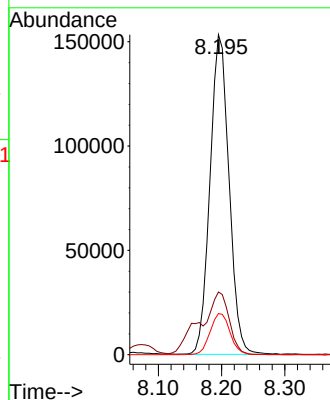
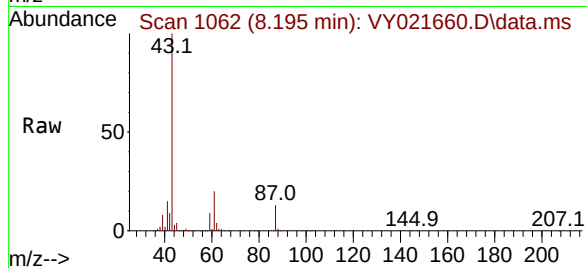
87 13.4 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 97.190 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021660.D

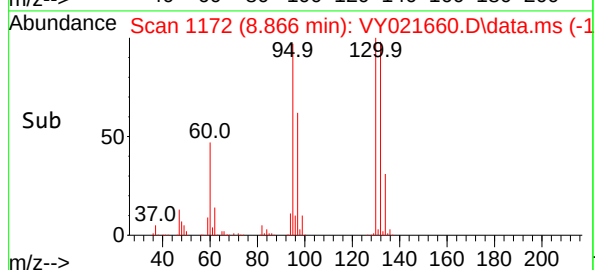
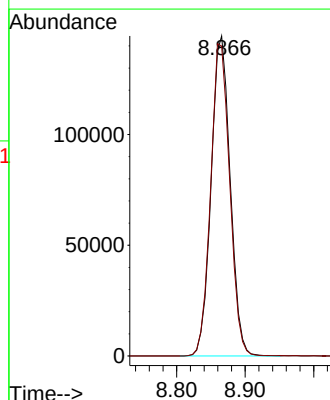
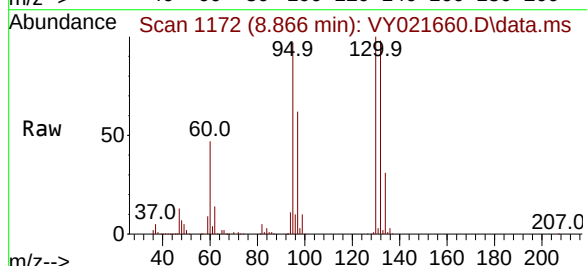
Acq: 27 Mar 2025 11:39

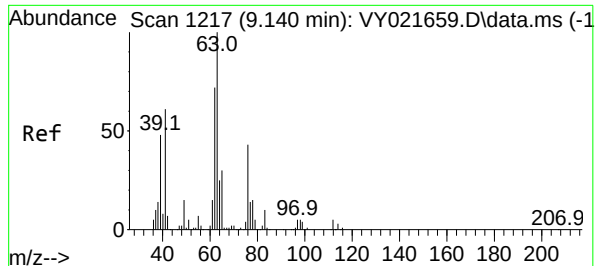
Tgt Ion:130 Resp: 278937

Ion Ratio Lower Upper

130 100

95 96.9 0.0 194.8





#45

1,2-Dichloropropane

Concen: 97.163 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 25906

Ion Ratio Lower Upper

63 100

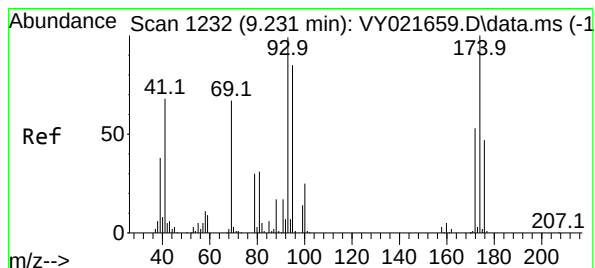
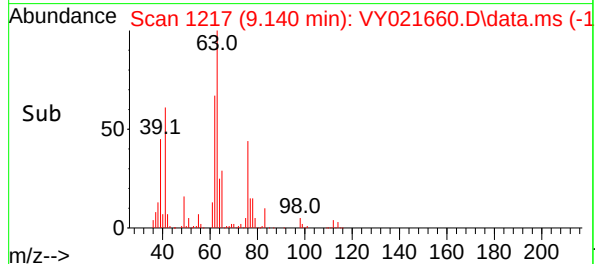
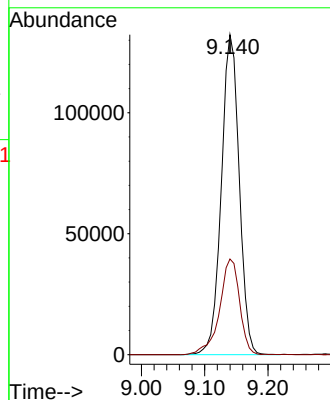
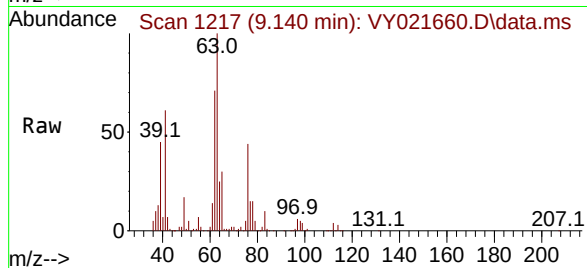
65 29.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 94.482 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

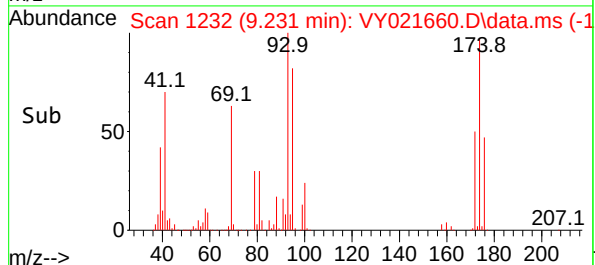
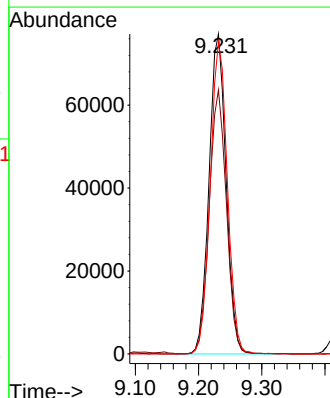
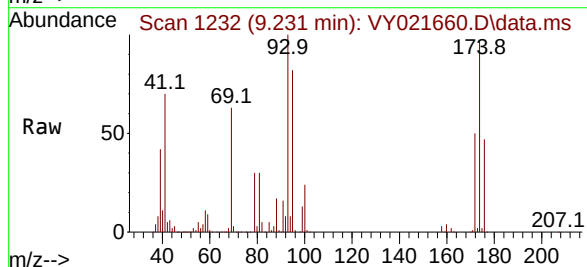
Tgt Ion: 93 Resp: 145186

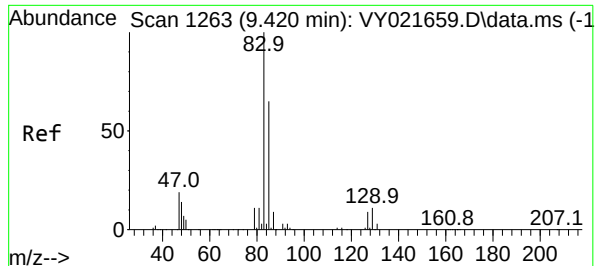
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 97.8 80.9 121.3





#47

Bromodichloromethane

Concen: 97.159 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021660.D

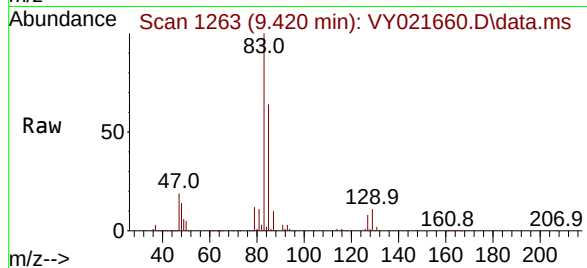
Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion: 83 Resp: 386864

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6

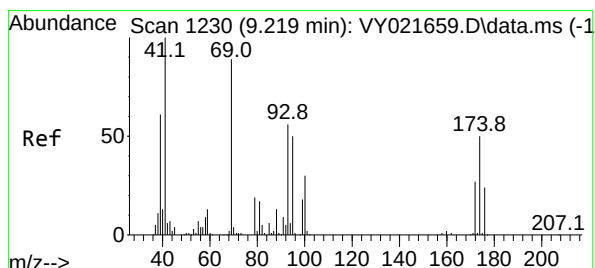
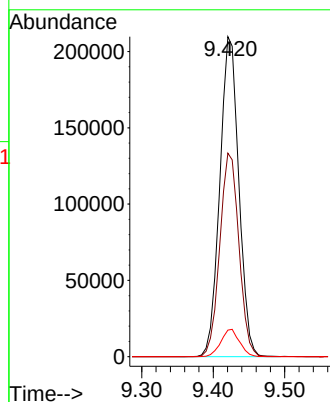
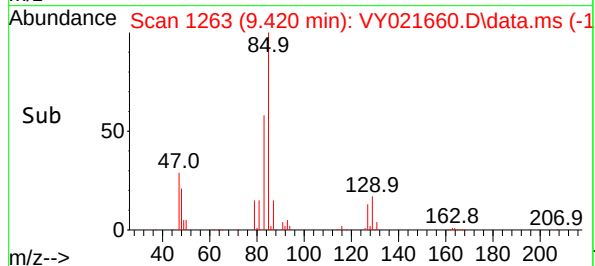
127 8.3 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

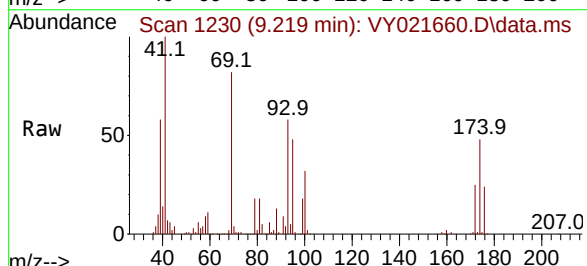
Concen: 101.718 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39



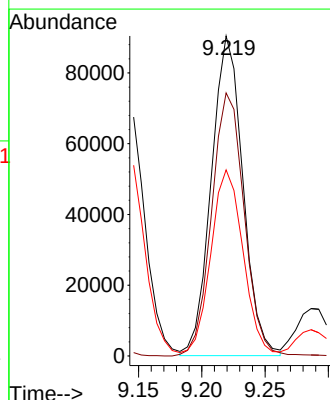
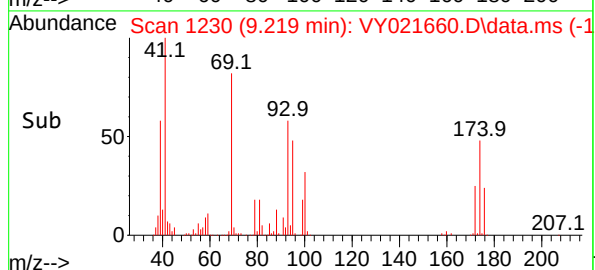
Tgt Ion: 41 Resp: 157046

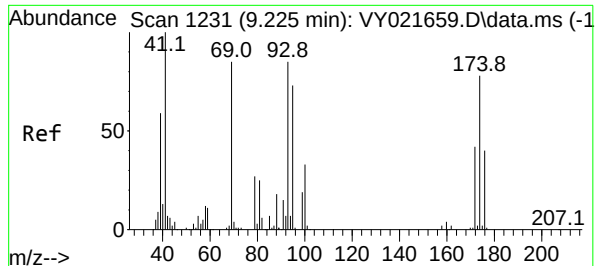
Ion Ratio Lower Upper

41 100

69 85.0 69.8 104.8

39 57.6 47.2 70.8





#49

1,4-Dioxane

Concen: 1922.485 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

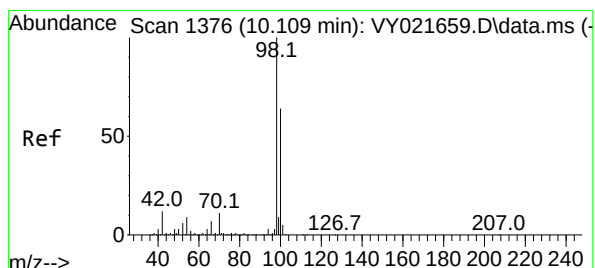
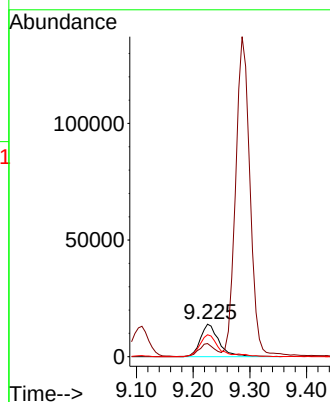
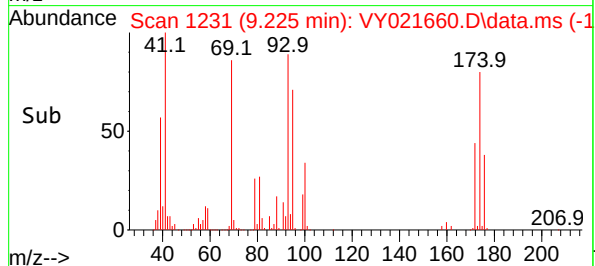
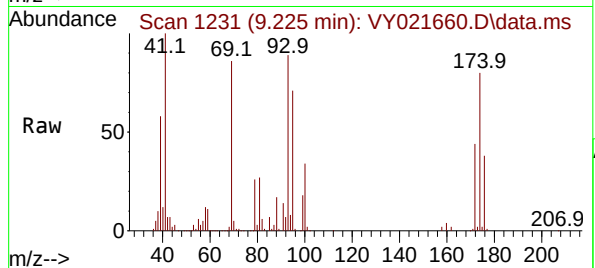
VSTDIC100

Tgt Ion:	88	Resp:	3164
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.8	43.2
58	65.5	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 101.480 ug/l

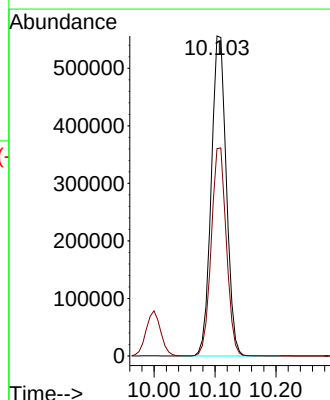
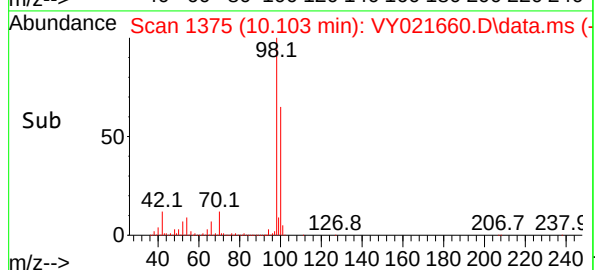
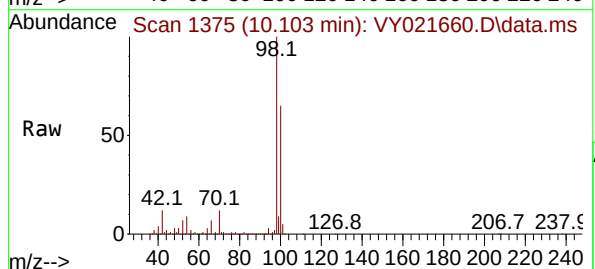
RT: 10.103 min Scan# 1375

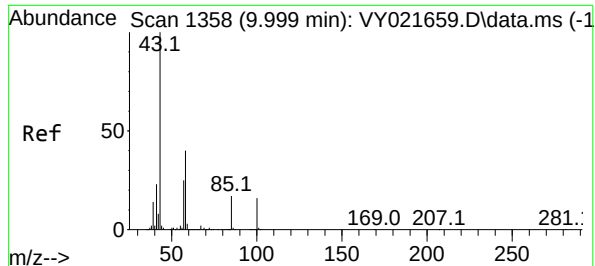
Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

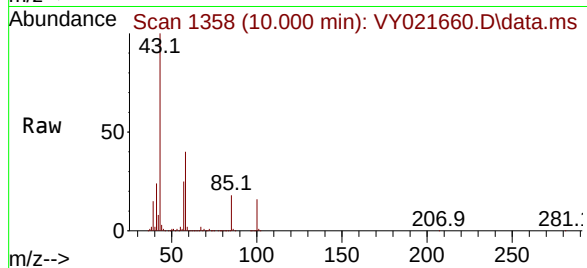
Tgt Ion:	98	Resp:	953346
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

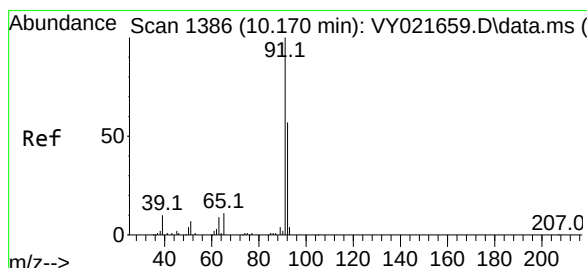
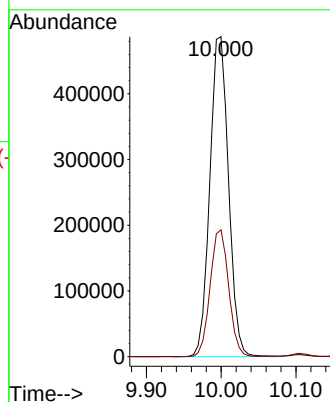
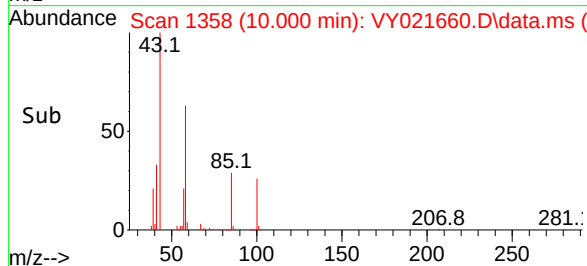
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 846120
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

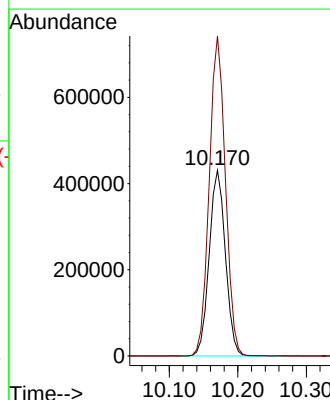
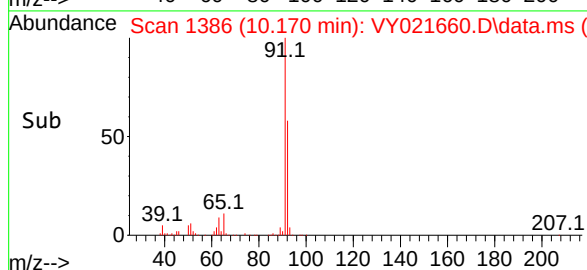
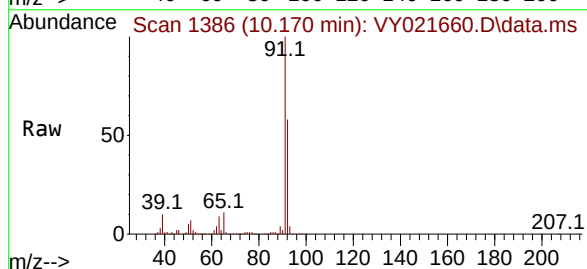
Manual Integrations
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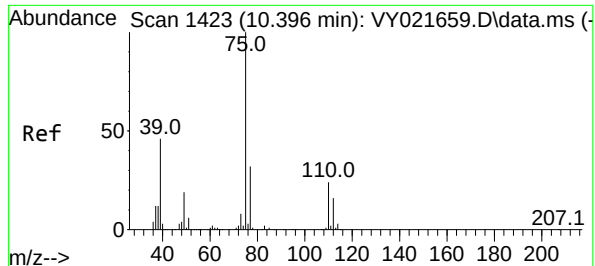
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





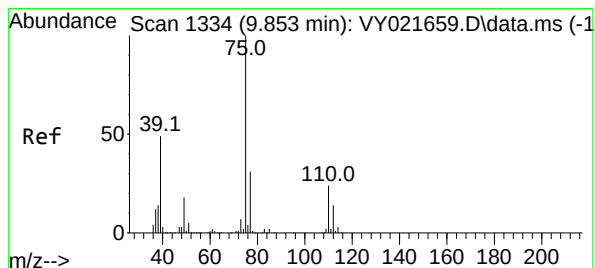
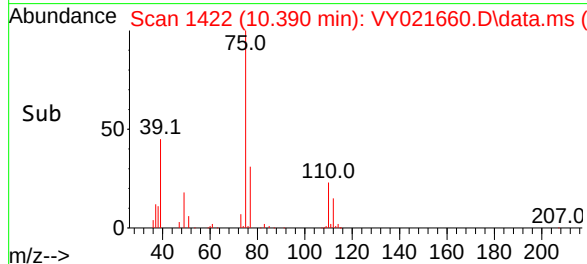
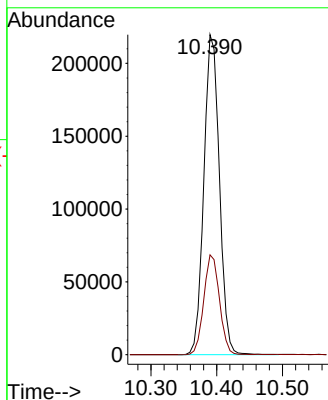
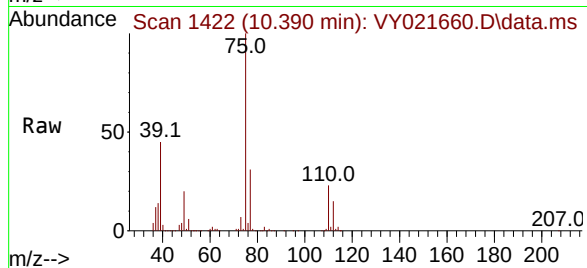
#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 361283
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

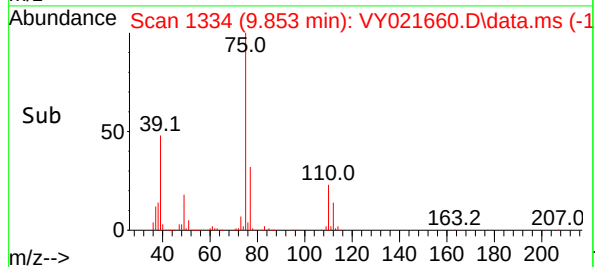
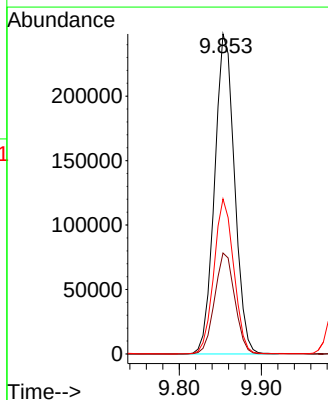
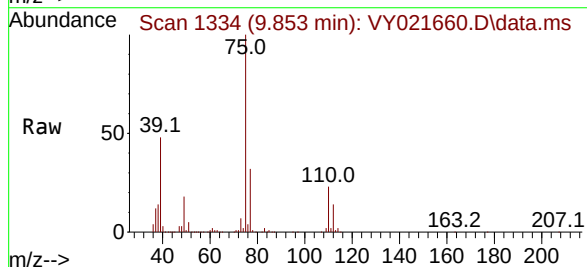
Manual Integrations
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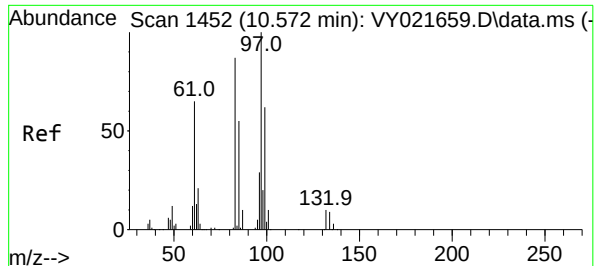
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

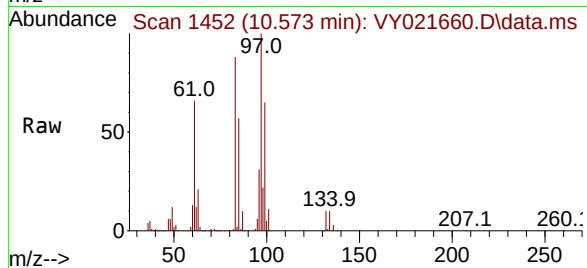
Tgt Ion: 75 Resp: 418099
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.4 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

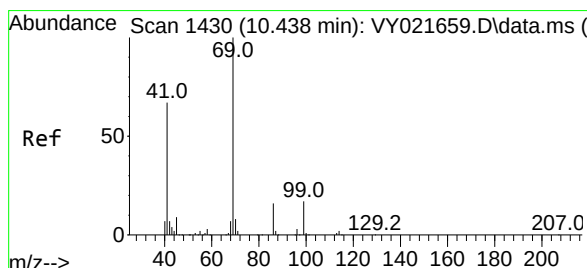
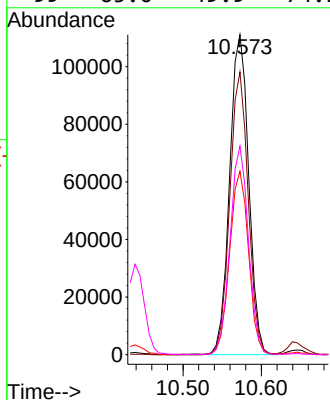
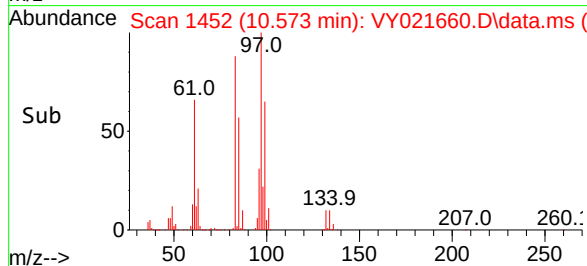
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



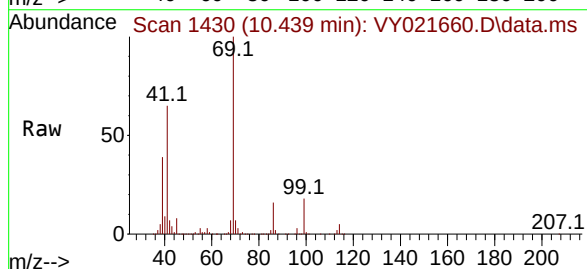
Tgt Ion: 97 Resp: 18797
Ion Ratio Lower Upper
97 100
83 88.3 69.5 104.3
85 57.3 43.9 65.9
99 65.0 49.9 74.9

Manual Integrations
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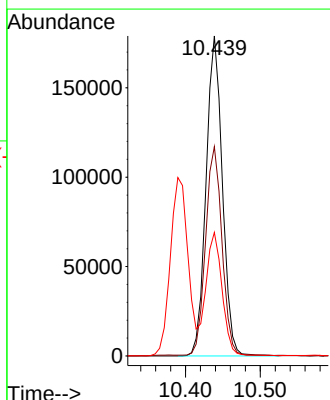
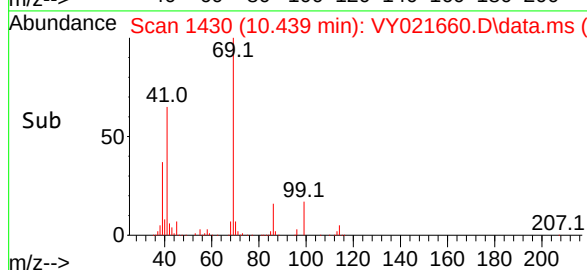
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

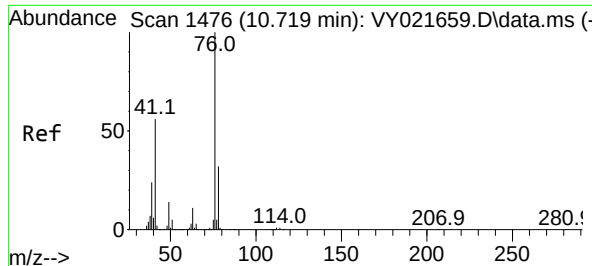


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion: 69 Resp: 271036
Ion Ratio Lower Upper
69 100
41 65.6 53.8 80.6
39 38.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 96.352 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 329063

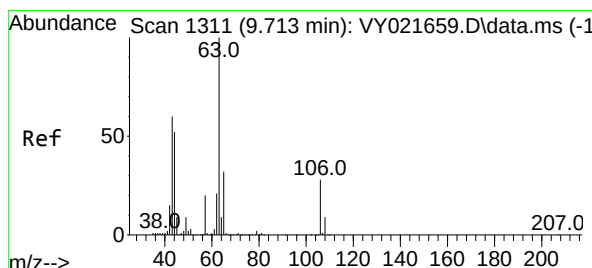
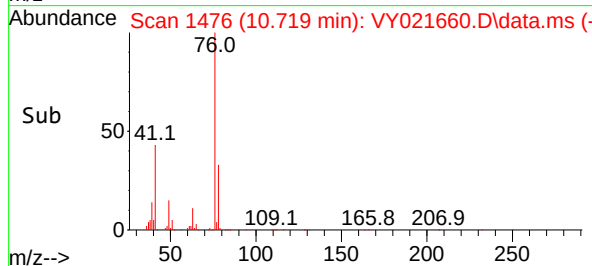
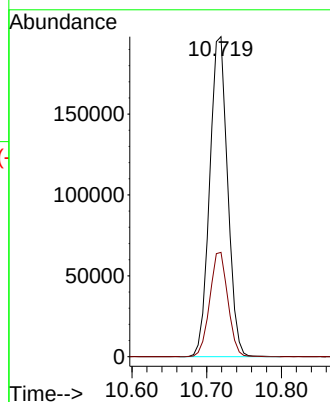
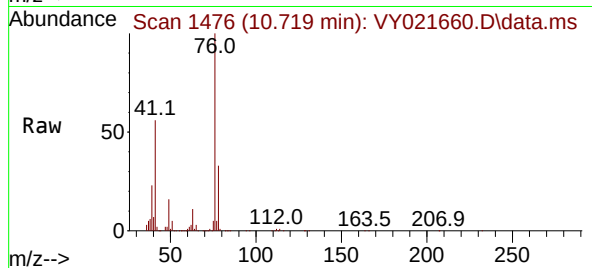
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#58

2-Chloroethyl Vinyl ether

Concen: 534.142 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY021660.D

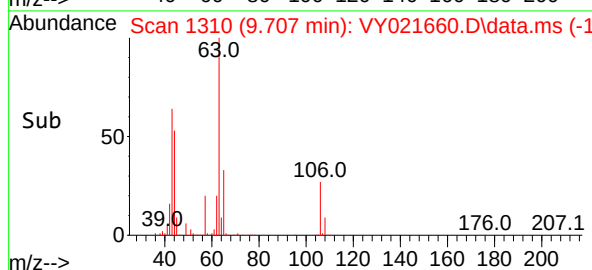
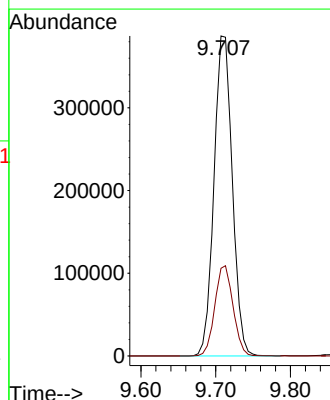
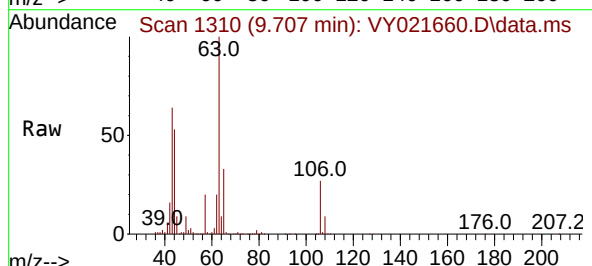
Acq: 27 Mar 2025 11:39

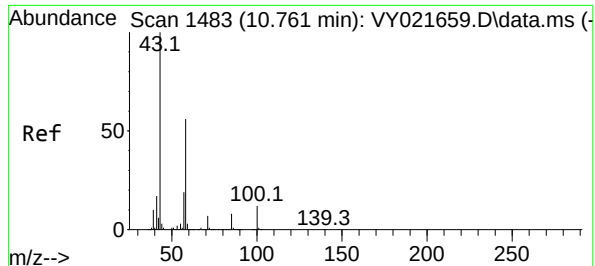
Tgt Ion: 63 Resp: 657953

Ion Ratio Lower Upper

63 100

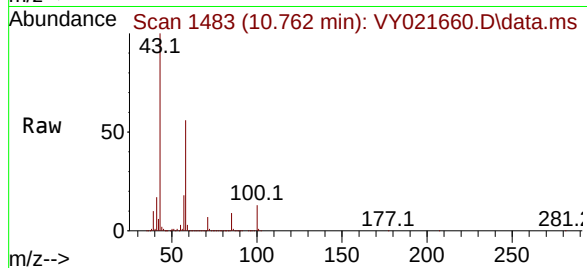
106 28.1 22.4 33.6





#59
2-Hexanone
Concen: 484.686 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

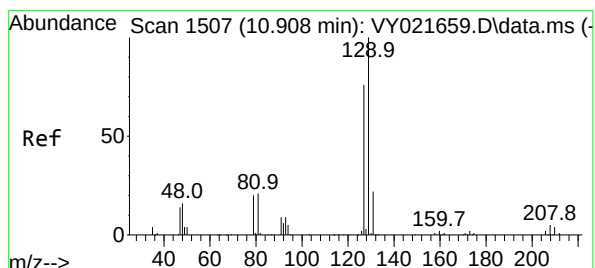
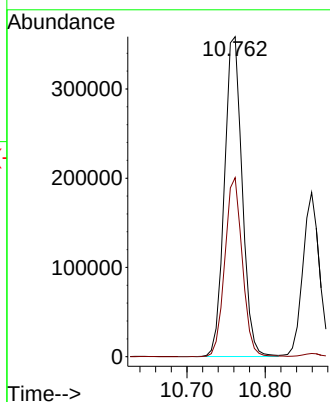
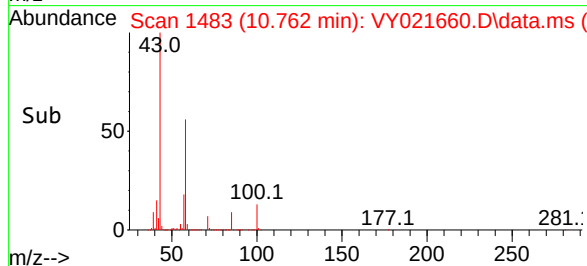
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 565080
Ion Ratio Lower Upper
43 100
58 55.2 27.2 81.5

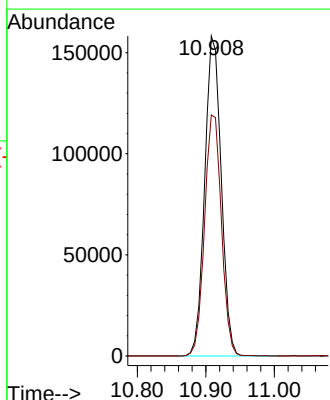
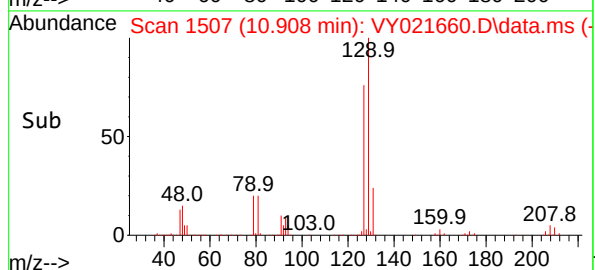
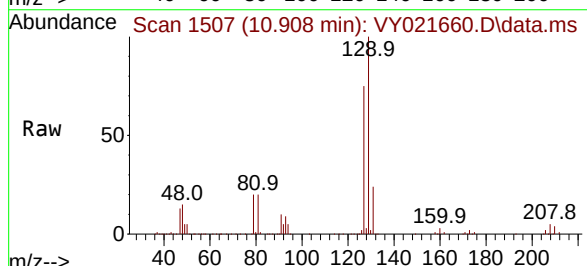
Manual Integrations
APPROVED

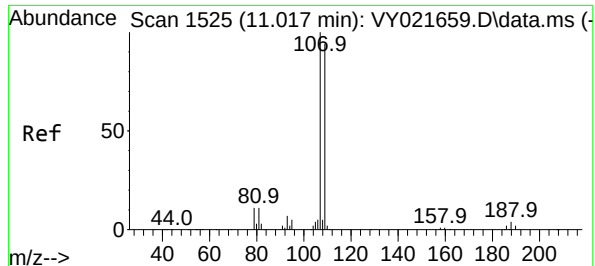
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 98.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:129 Resp: 265151
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





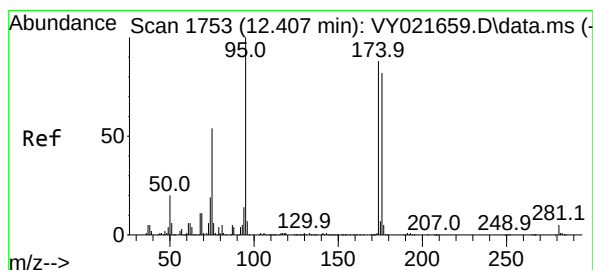
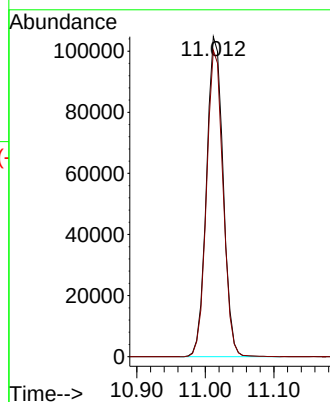
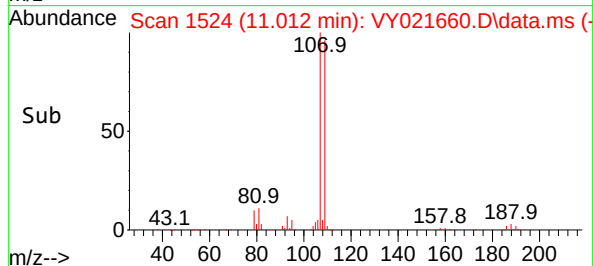
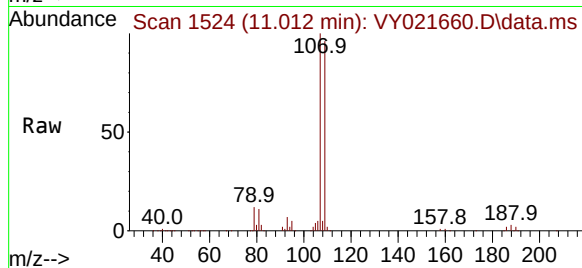
#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:107 Resp: 177158
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6

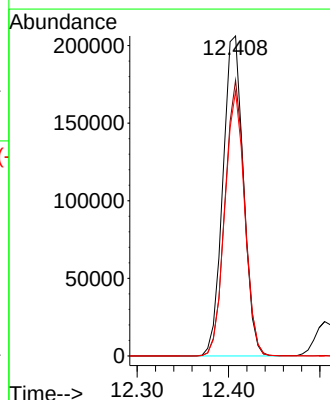
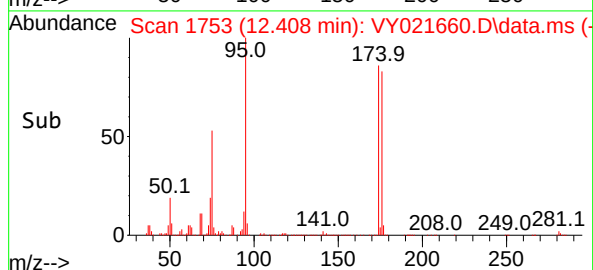
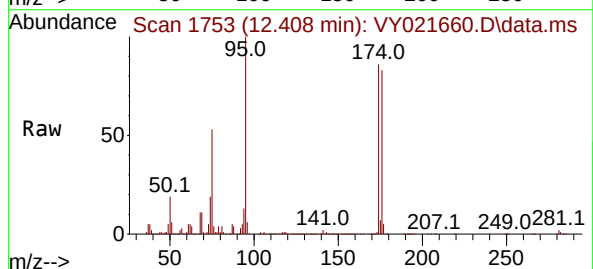
Manual Integrations
APPROVED

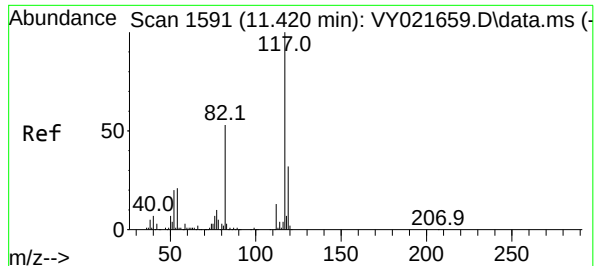
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

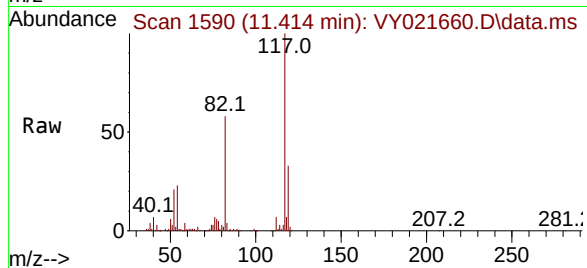
Tgt Ion: 95 Resp: 322469
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 79.9 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

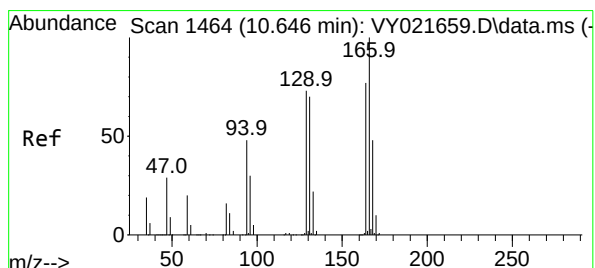
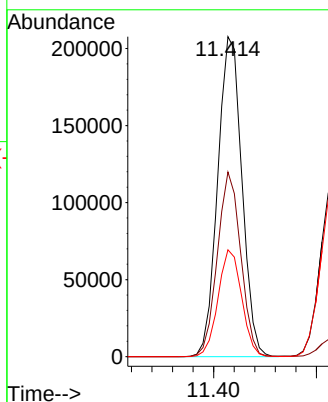
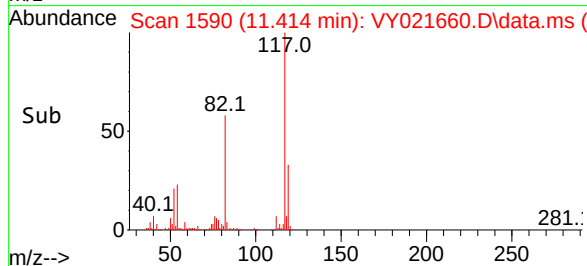
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:117 Resp: 33920
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 33.4 25.7 38.5

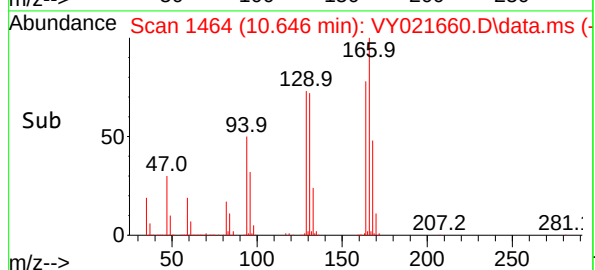
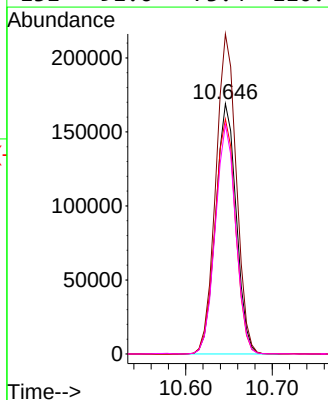
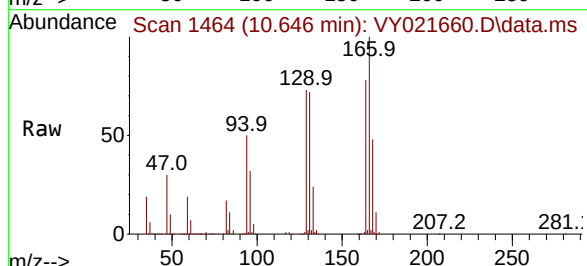
Manual Integrations
APPROVED

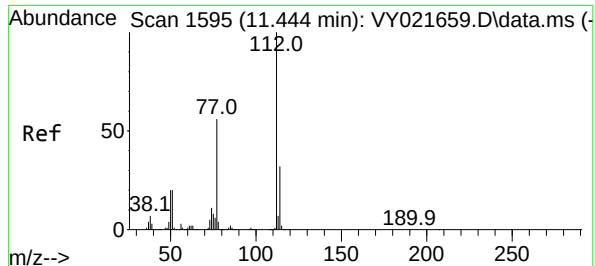
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

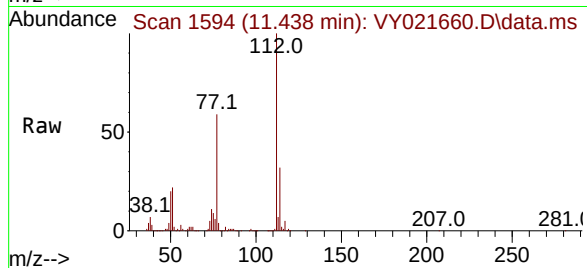
Tgt Ion:164 Resp: 279279
Ion Ratio Lower Upper
164 100
166 127.9 104.6 156.8
129 93.9 76.6 114.8
131 91.6 73.4 110.0





#65
Chlorobenzene
Concen: 97.381 ug/l
RT: 11.438 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

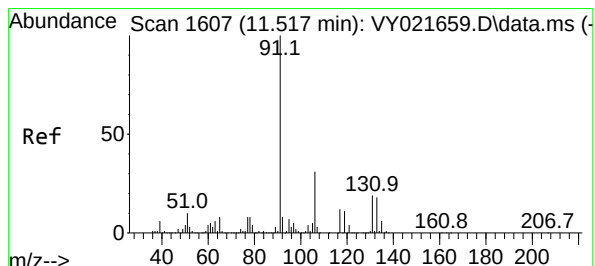
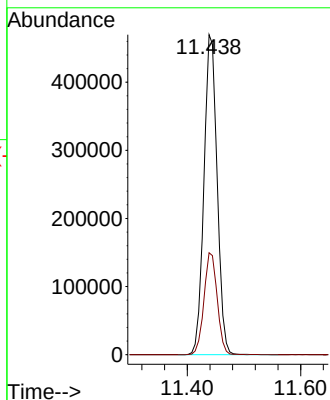
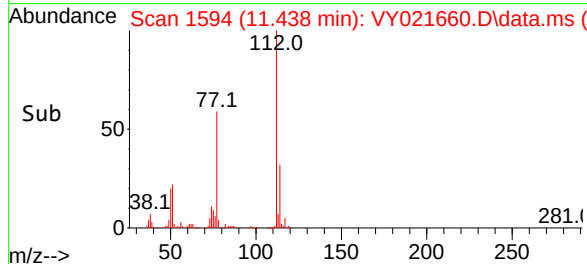
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



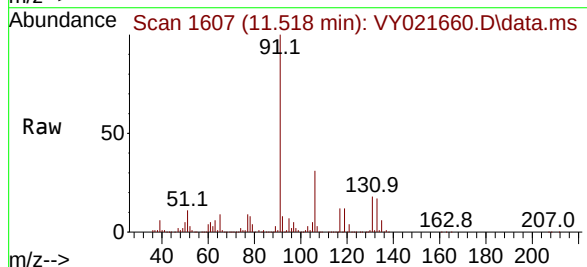
Tgt Ion:112 Resp: 757197
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

Manual Integrations
APPROVED

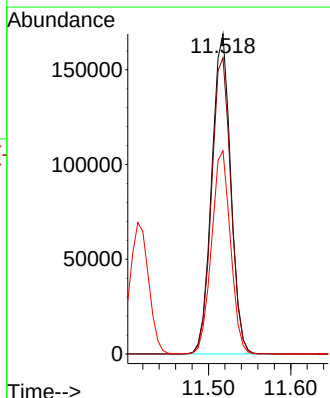
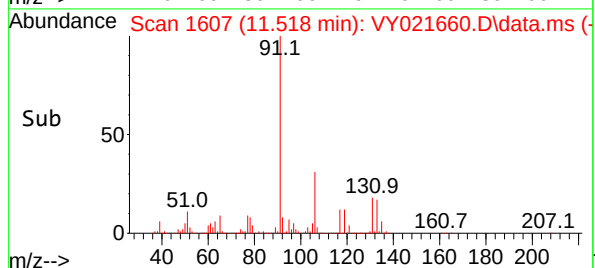
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

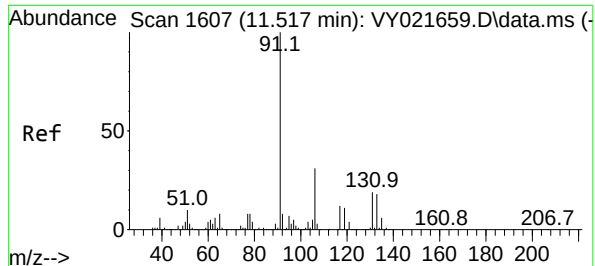


#66
1,1,1,2-Tetrachloroethane
Concen: 98.275 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion:131 Resp: 271119
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.8
119 63.6 31.6 95.0





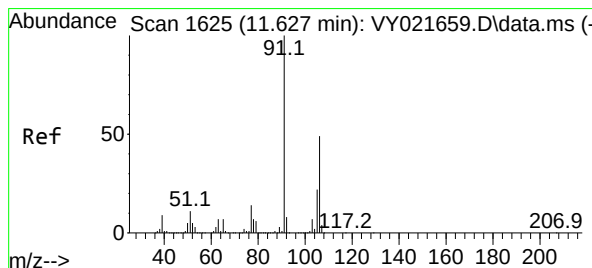
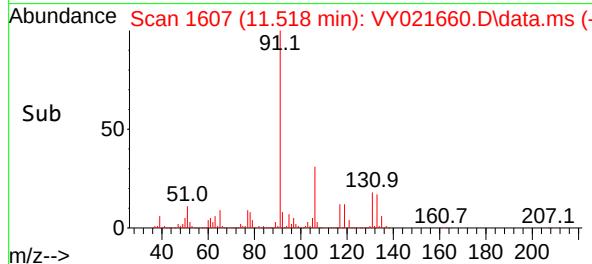
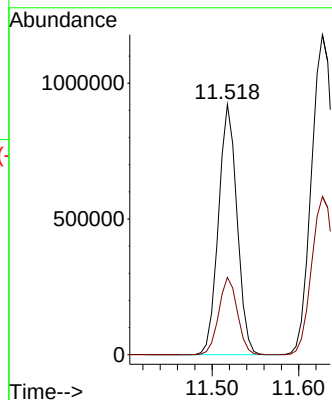
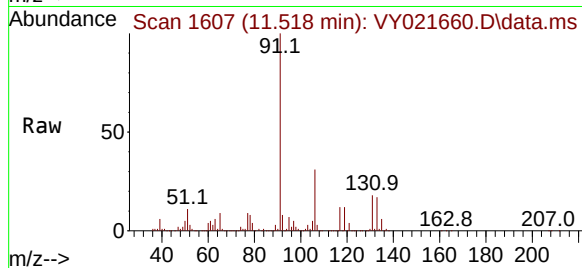
#67
Ethyl Benzene
Concen: 102.918 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1372249
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

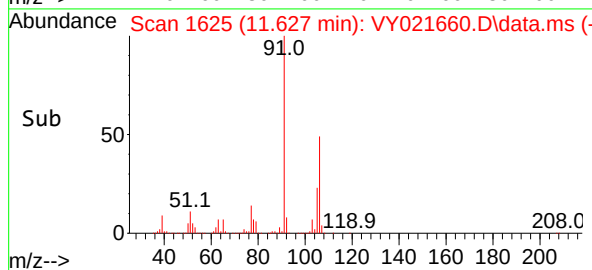
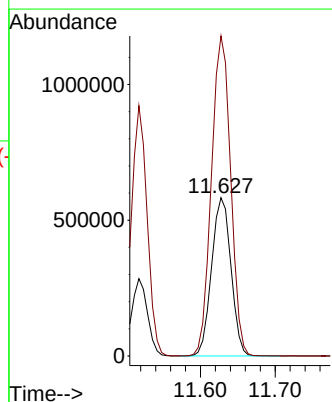
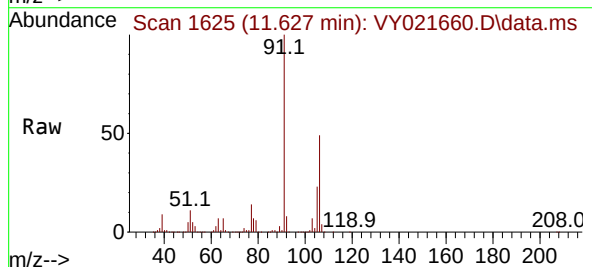
Manual Integrations
APPROVED

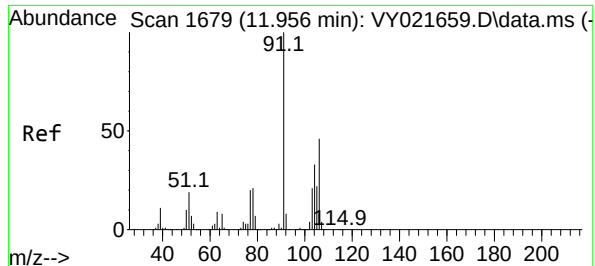
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#68
m/p-Xylenes
Concen: 205.681 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 1050156
Ion Ratio Lower Upper
106 100
91 201.4 162.4 243.6





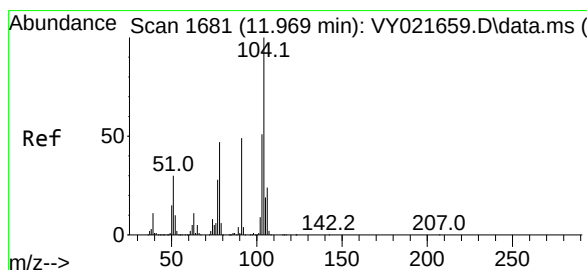
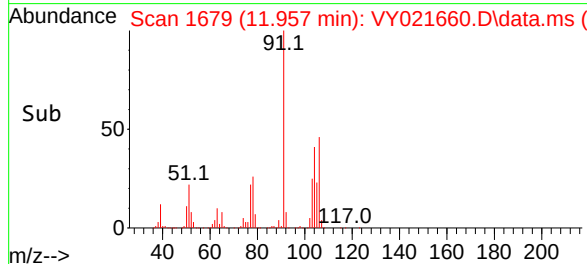
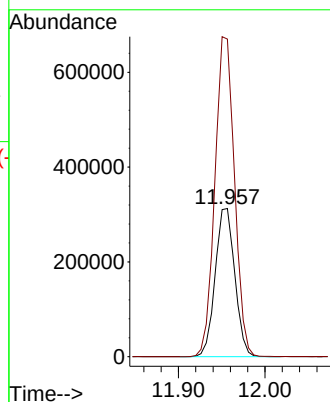
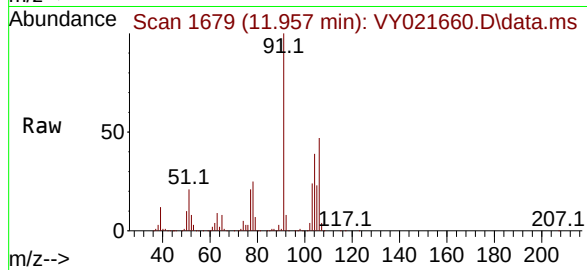
#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 491895
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9

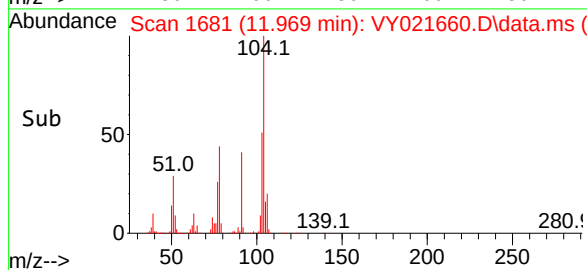
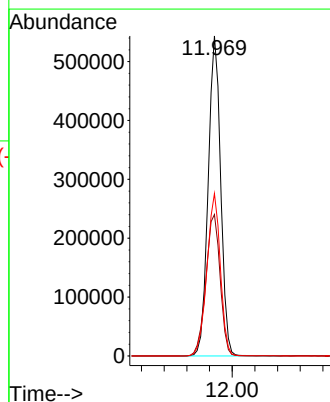
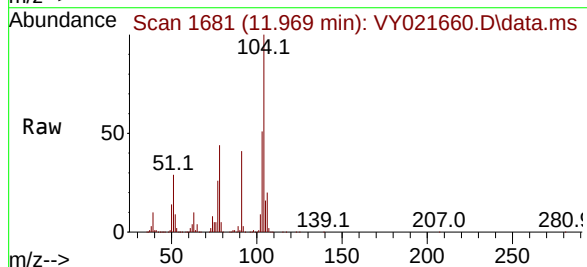
Manual Integrations
APPROVED

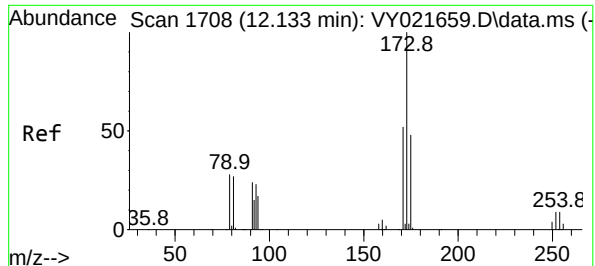
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

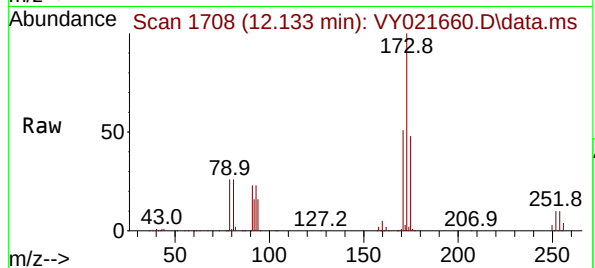
Tgt Ion:104 Resp: 833734
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 54.6 44.2 66.2





#71
Bromoform
Concen: 97.024 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

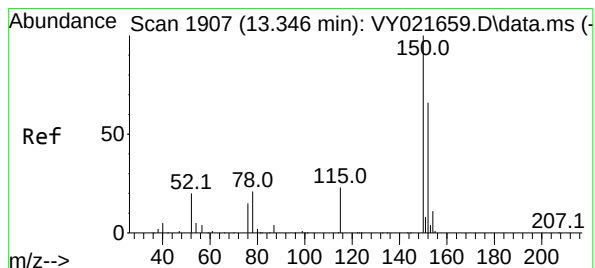
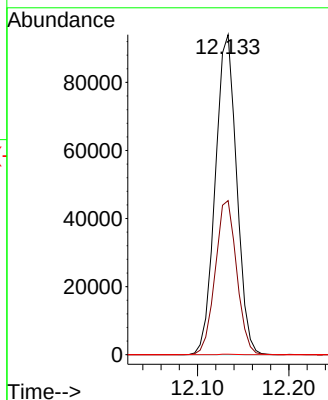
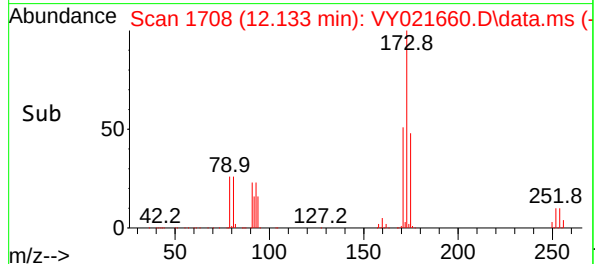
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



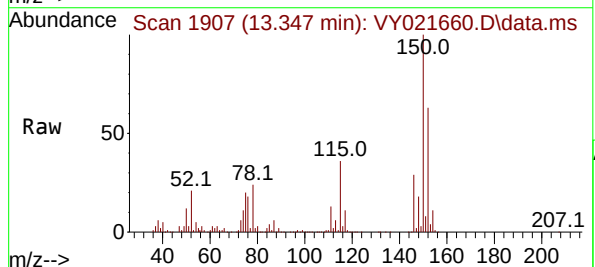
Tgt Ion:173 Resp: 15268
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

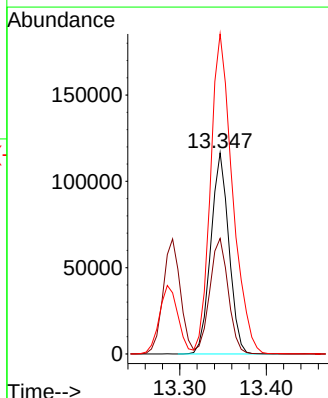
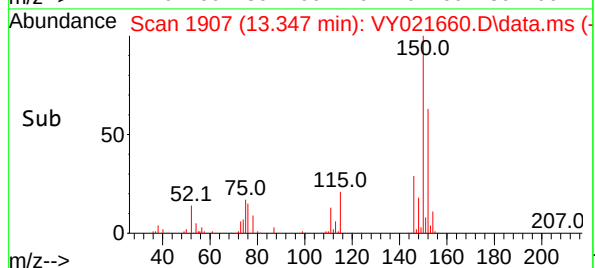
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

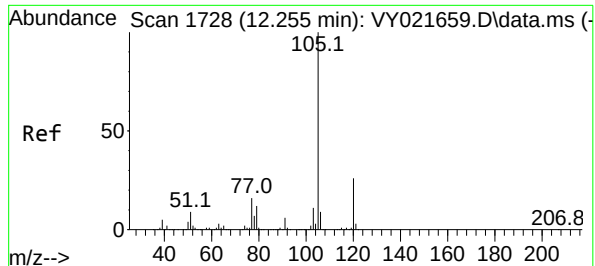


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



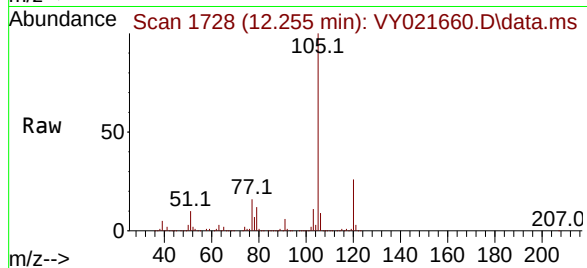
Tgt Ion:152 Resp: 168901
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 193.6 0.0 348.4





#73
Isopropylbenzene
Concen: 103.486 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

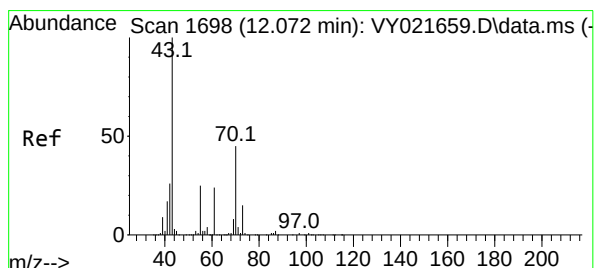
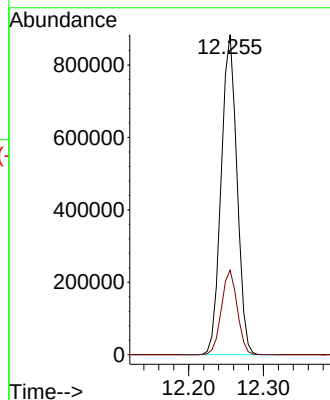
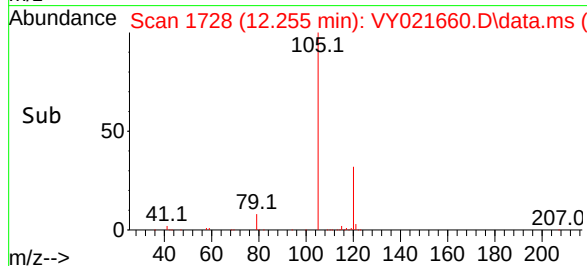
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 129822
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

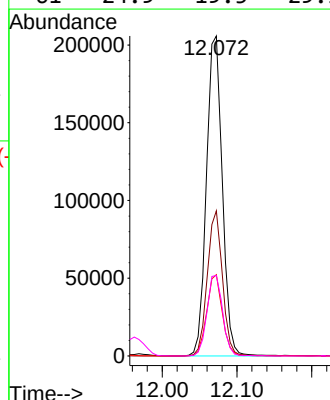
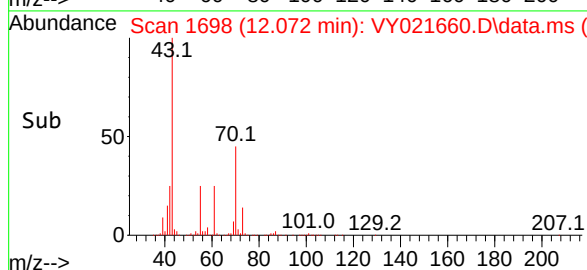
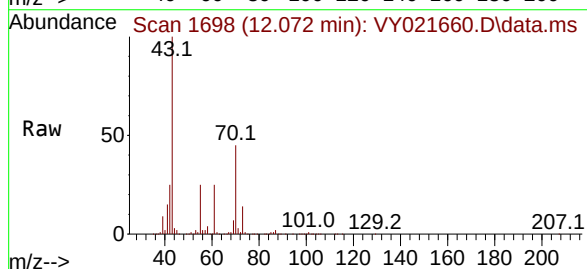
Manual Integrations
APPROVED

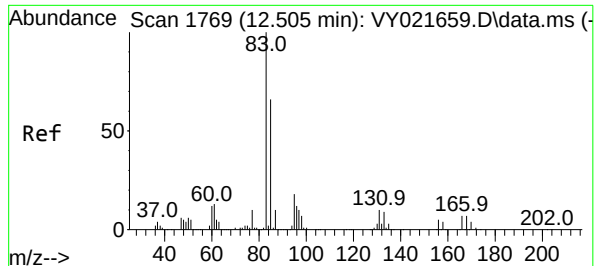
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 103.027 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

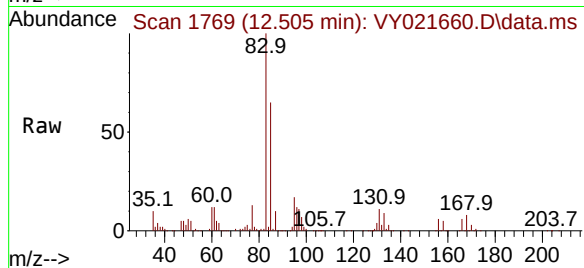
Tgt Ion: 43 Resp: 303328
Ion Ratio Lower Upper
43 100
70 43.3 34.7 52.1
55 25.1 21.2 31.8
61 24.9 19.5 29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

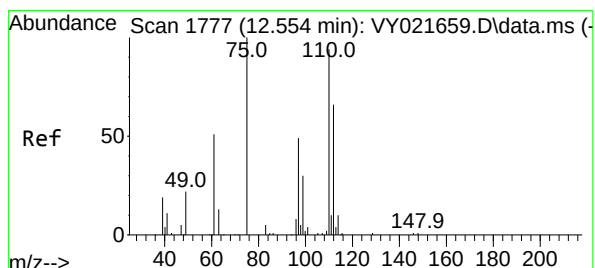
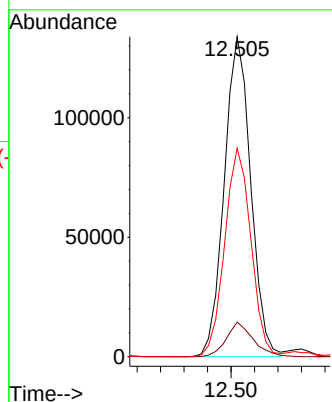
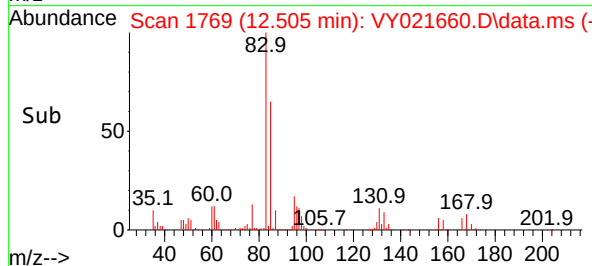
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 209094
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.3
85 64.7 32.3 96.8

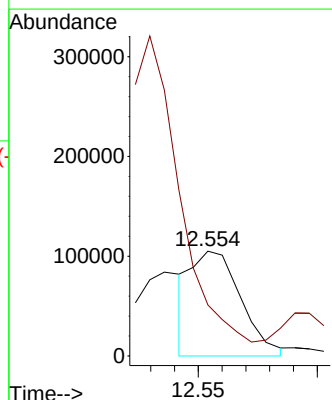
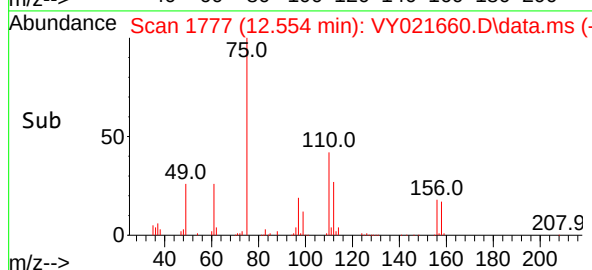
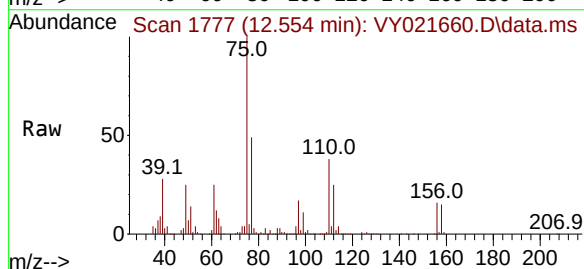
Manual Integrations
APPROVED

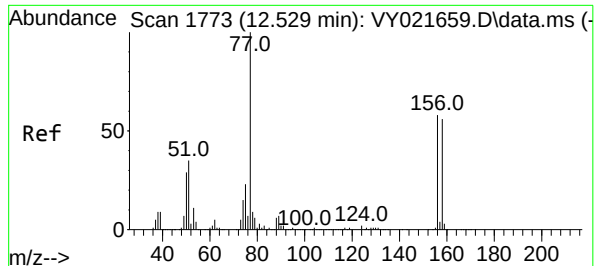
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 91.372 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

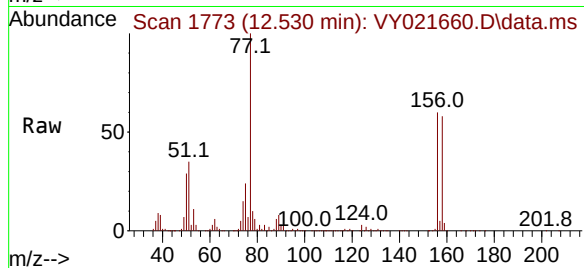
Tgt Ion: 75 Resp: 152979
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 99.323 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

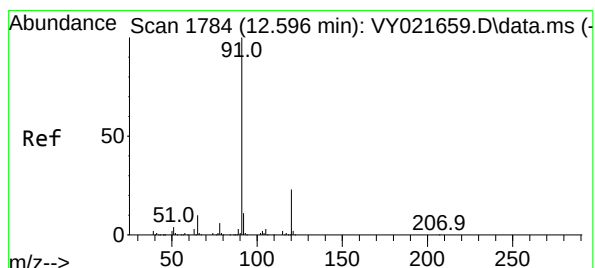
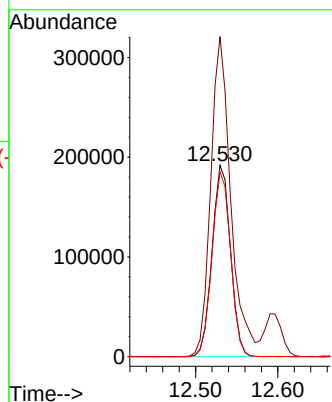
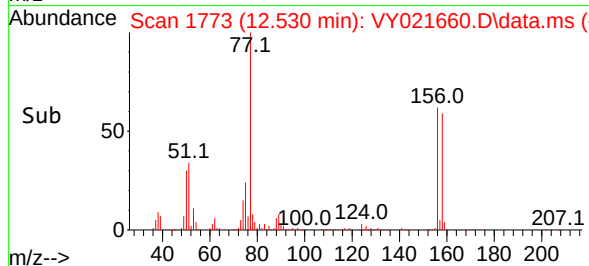
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:156 Resp: 29916
Ion Ratio Lower Upper
156 100
77 181.1 92.8 278.3
158 96.8 48.5 145.6

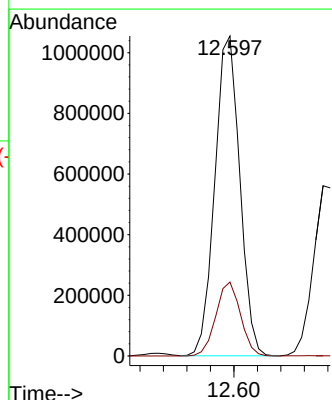
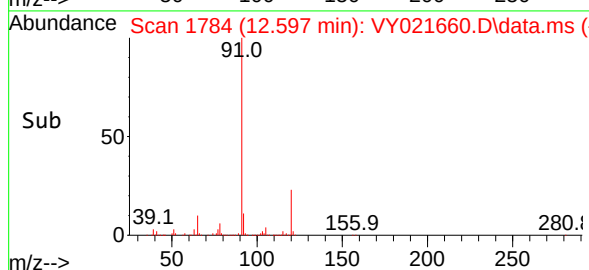
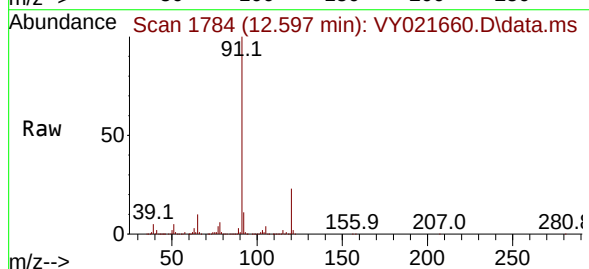
Manual Integrations
APPROVED

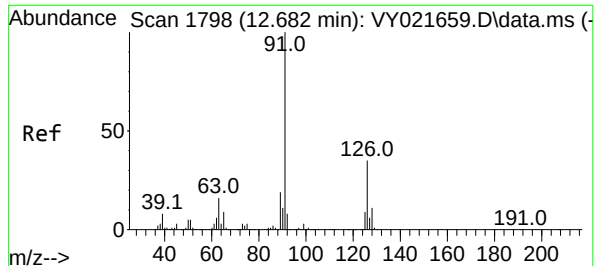
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 103.290 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 1557825
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9





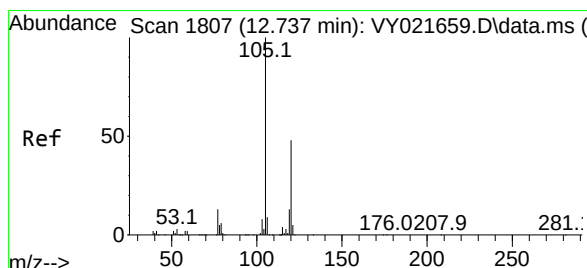
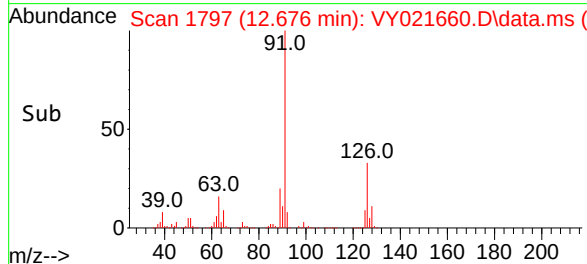
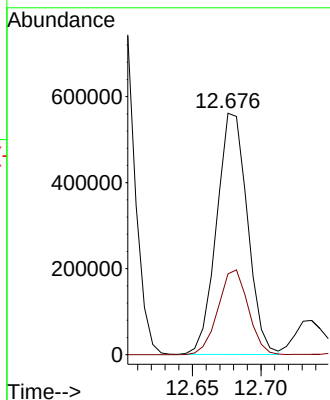
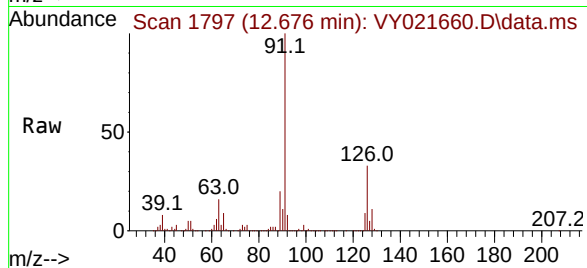
#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 879334
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0

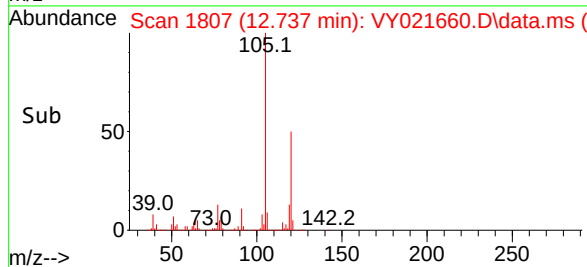
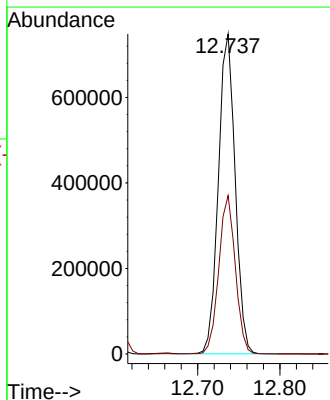
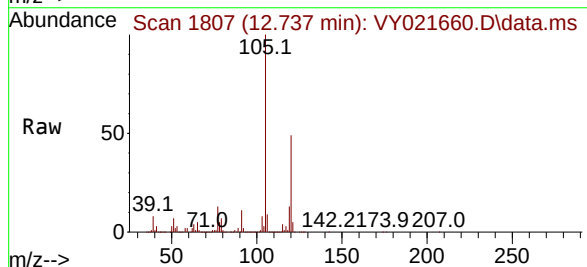
Manual Integrations
APPROVED

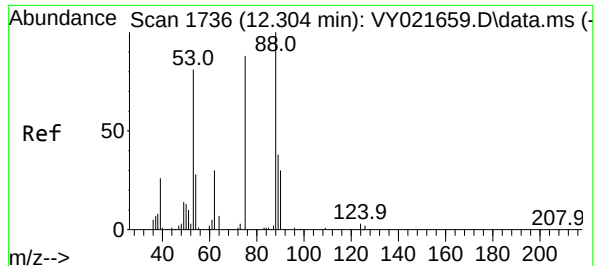
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 103.480 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

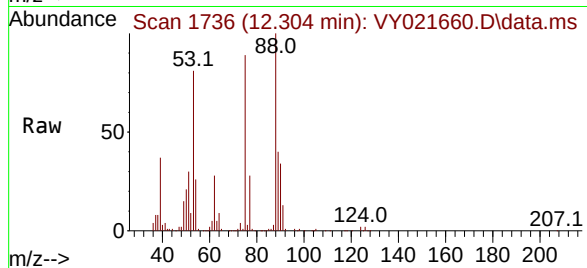
Tgt Ion:105 Resp: 1060963
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

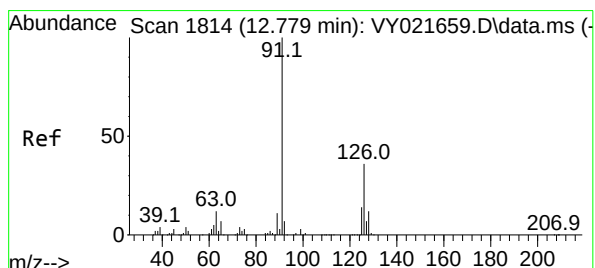
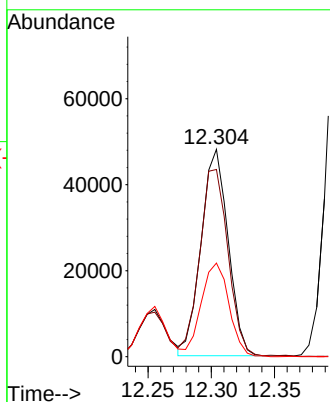
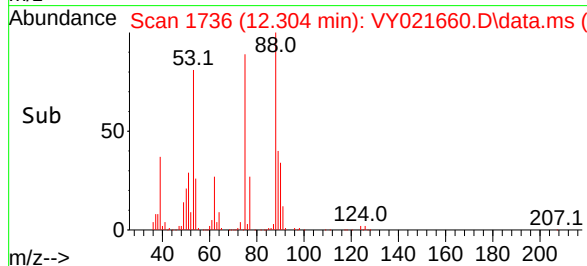
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 71448
Ion Ratio Lower Upper
75 100
53 95.8 76.1 114.1
89 46.1 36.2 54.4

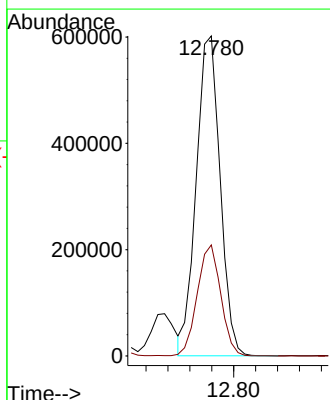
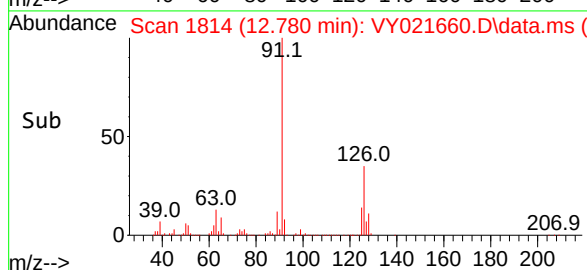
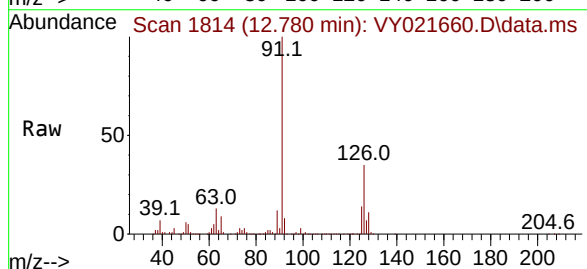
Manual Integrations
APPROVED

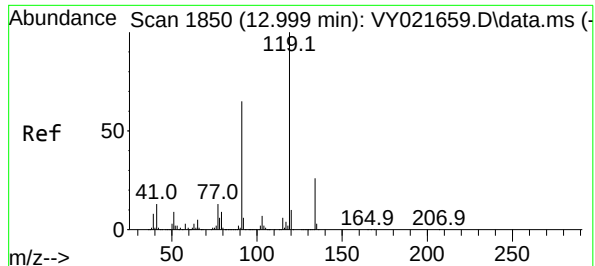
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

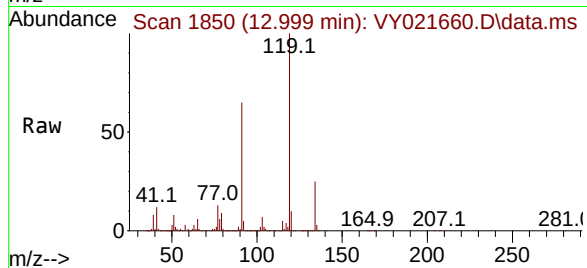
Tgt Ion: 91 Resp: 910295
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

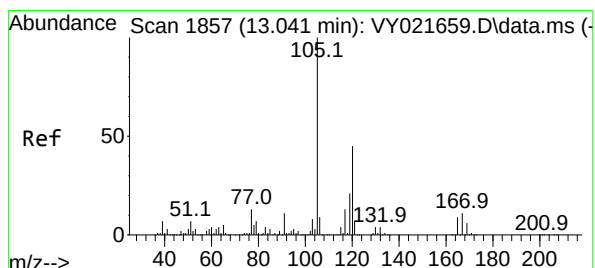
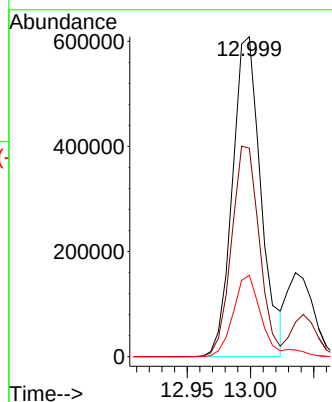
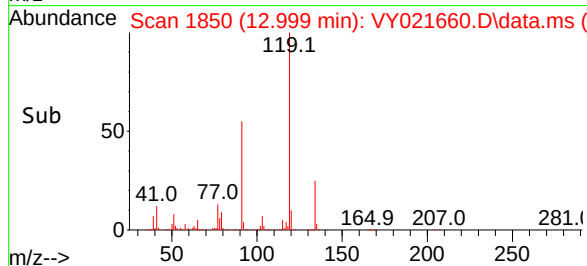
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:119 Resp: 956709
Ion Ratio Lower Upper
119 100
91 64.2 32.6 97.7
134 25.8 13.2 39.6

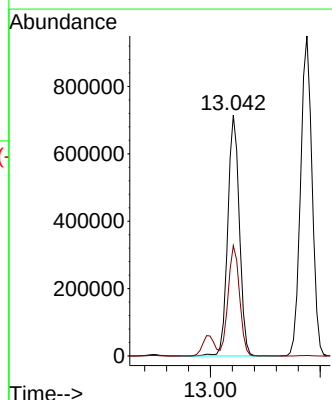
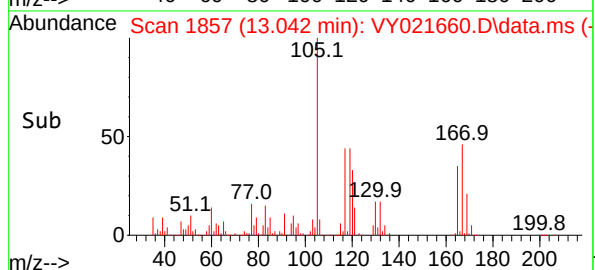
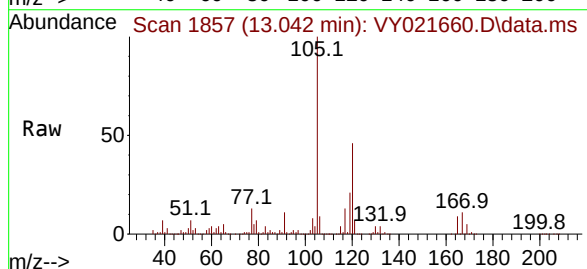
Manual Integrations
APPROVED

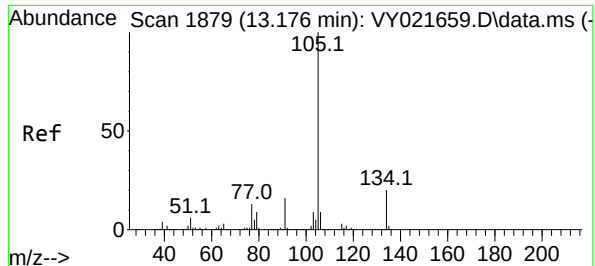
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1052663
Ion Ratio Lower Upper
105 100
120 45.1 22.7 68.1





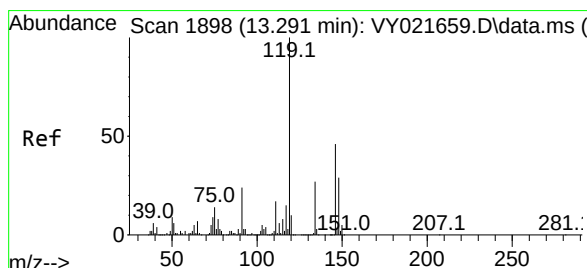
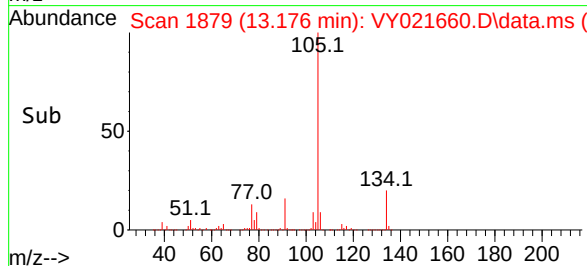
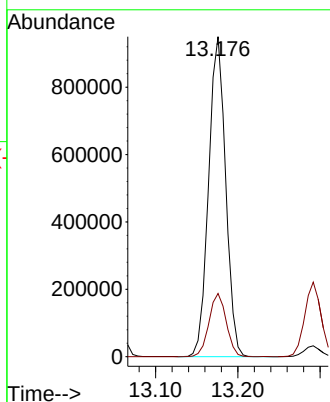
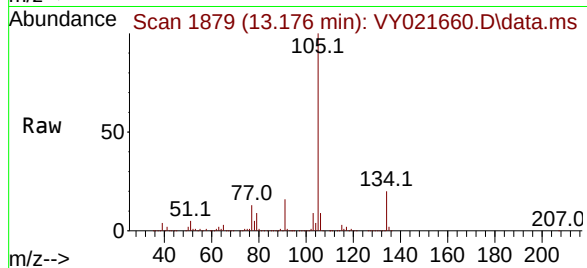
#85
sec-Butylbenzene
Concen: 102.624 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 136960
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

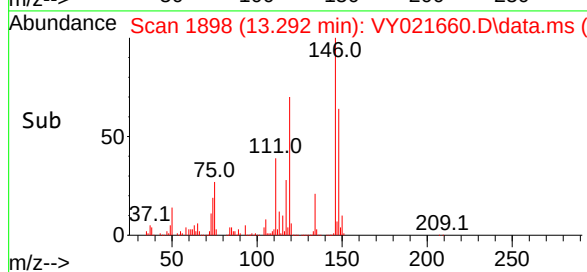
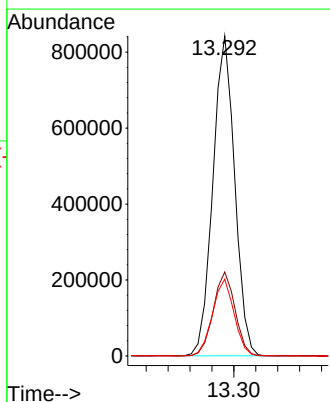
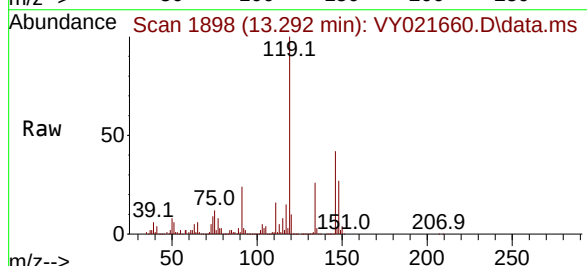
Manual Integrations
APPROVED

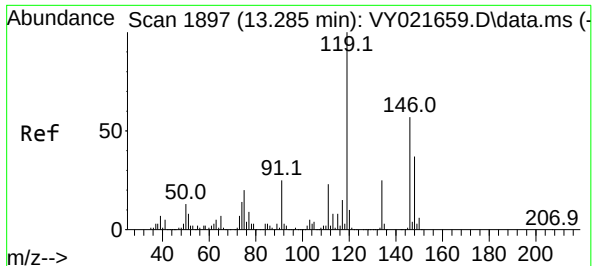
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#86
p-Isopropyltoluene
Concen: 105.509 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 1163796
Ion Ratio Lower Upper
119 100
134 26.2 13.2 39.5
91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 98.384 ug/l

RT: 13.286 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 58383

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

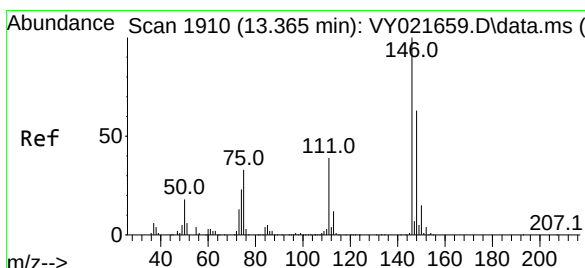
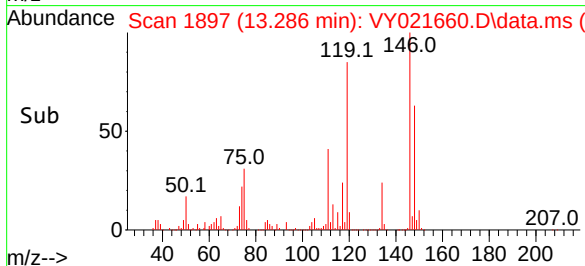
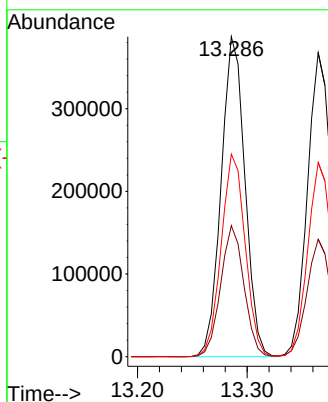
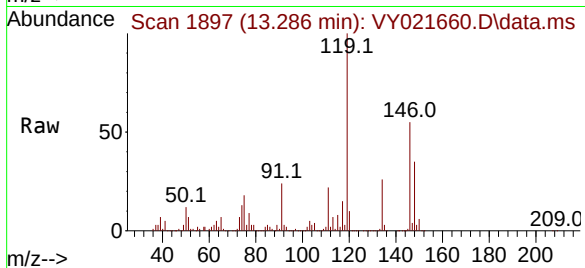
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 96.416 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

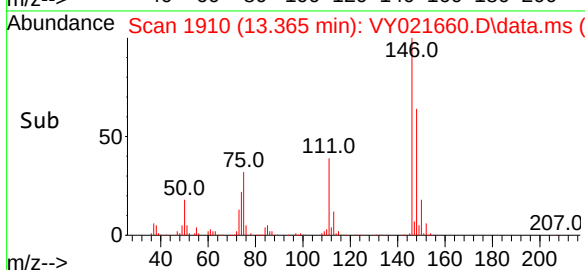
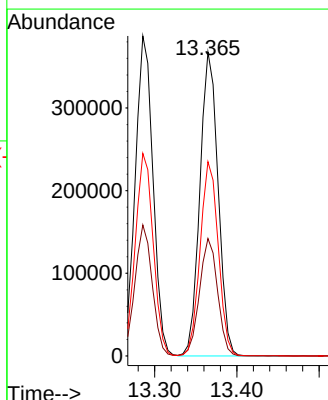
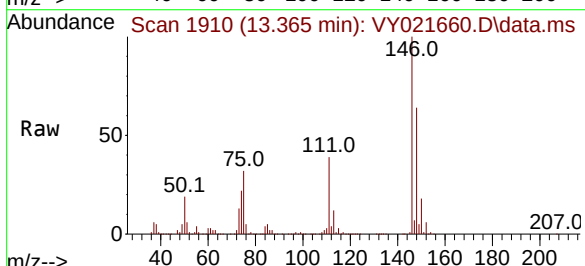
Tgt Ion:146 Resp: 565293

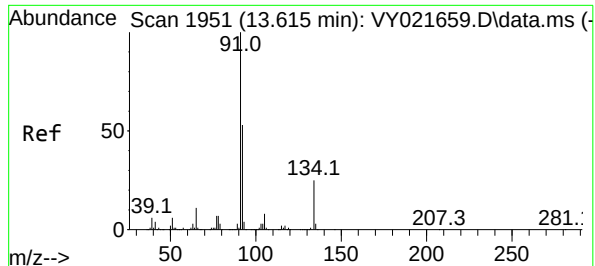
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 104.828 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1069350

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.2

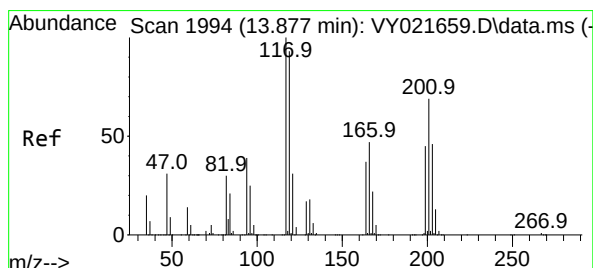
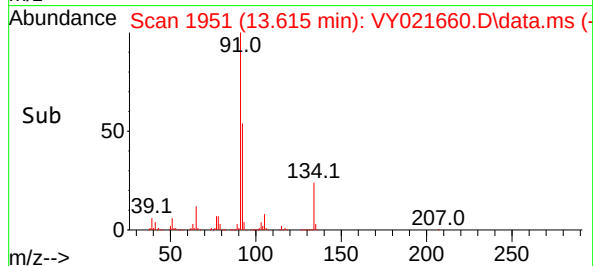
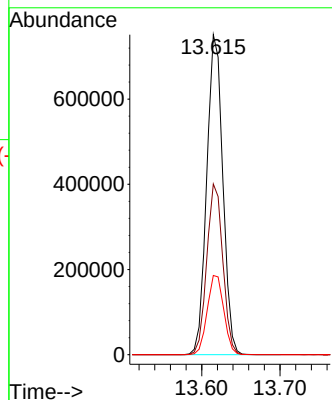
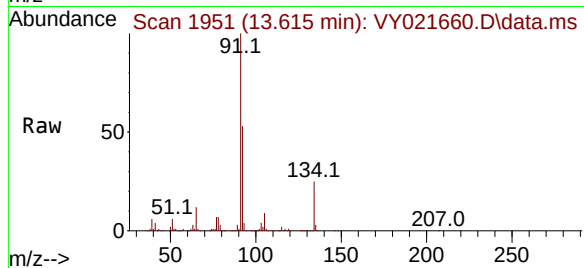
134 25.6 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 99.078 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021660.D

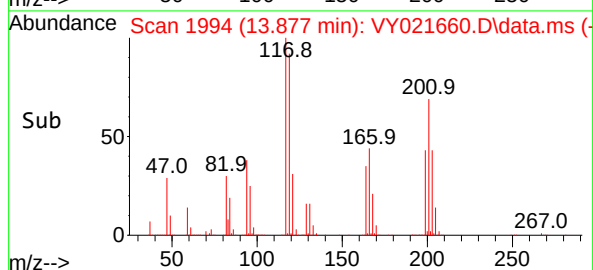
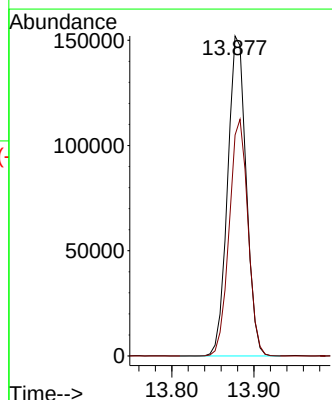
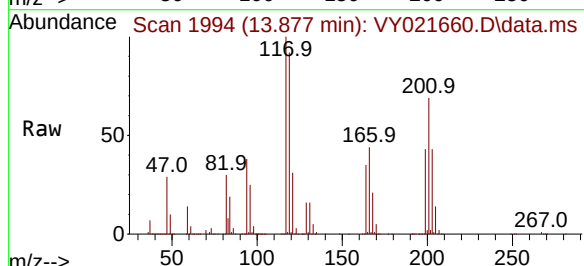
Acq: 27 Mar 2025 11:39

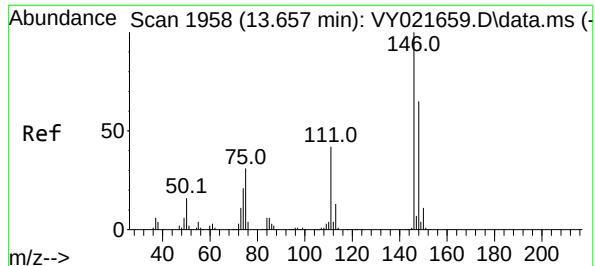
Tgt Ion:117 Resp: 239487

Ion Ratio Lower Upper

117 100

201 74.5 37.4 112.1





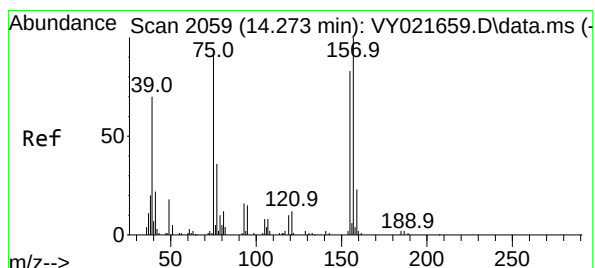
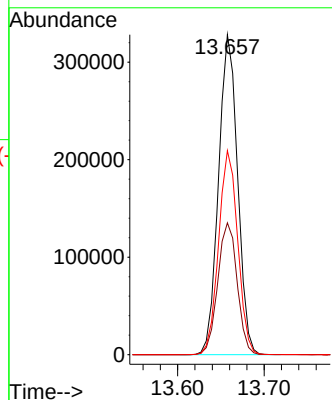
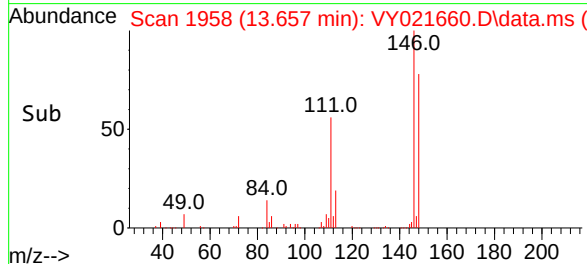
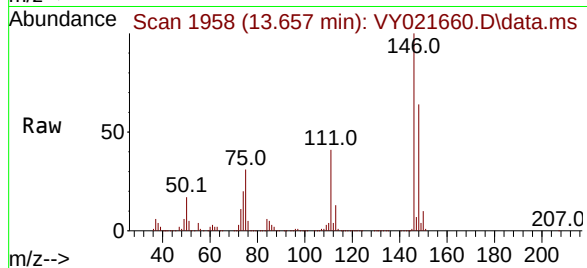
#91
1,2-Dichlorobenzene
Concen: 97.186 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:146 Resp: 502045
Ion Ratio Lower Upper
146 100
111 42.0 20.7 62.1
148 64.0 32.3 96.9

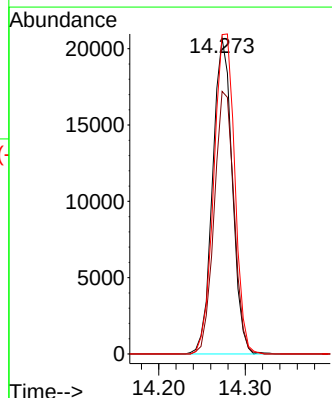
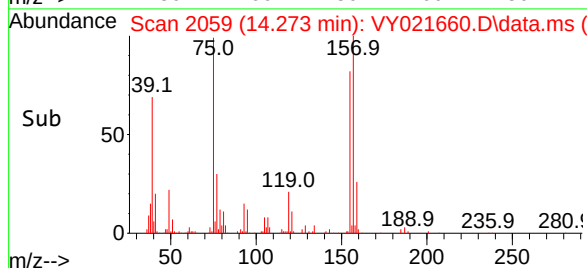
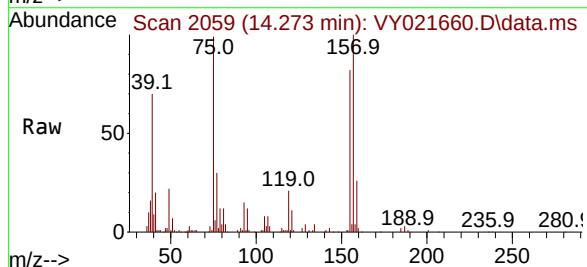
Manual Integrations
APPROVED

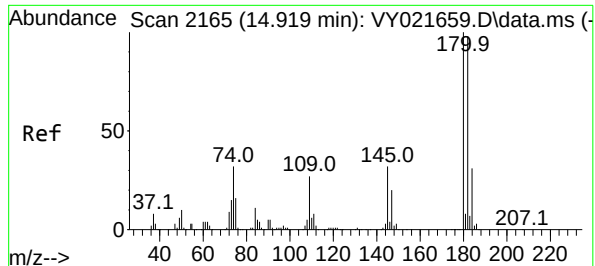
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 93.136 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 32558
Ion Ratio Lower Upper
75 100
155 84.2 43.0 128.8
157 107.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 104.943 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 29398

Ion Ratio Lower Upper

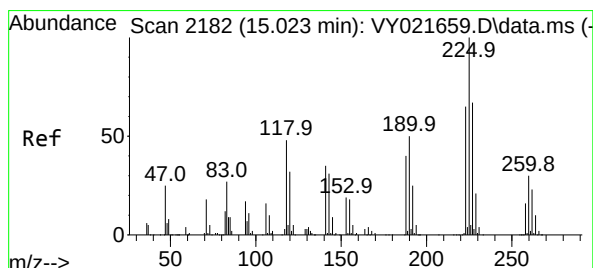
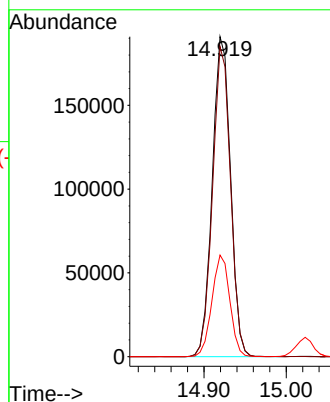
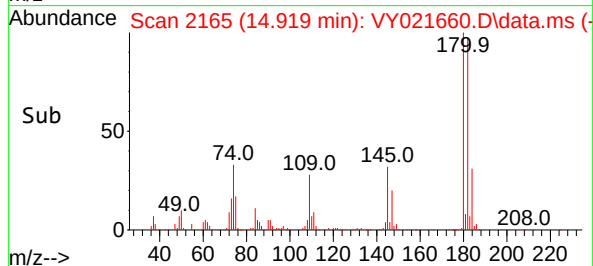
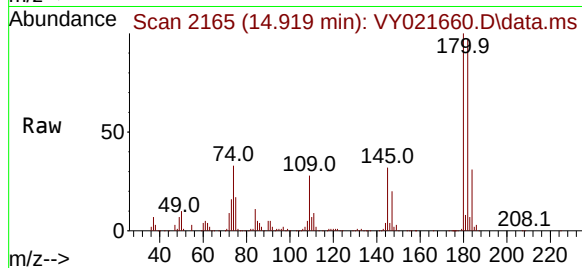
180 100

182 95.4 47.5 142.6

145 31.2 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#94

Hexachlorobutadiene

Concen: 98.829 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

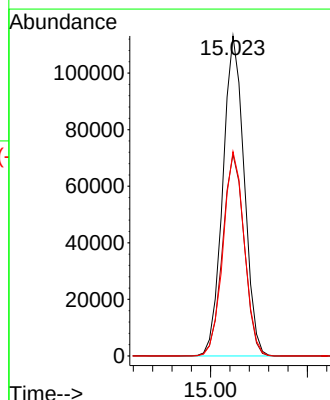
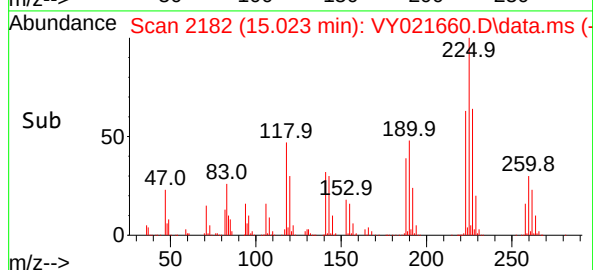
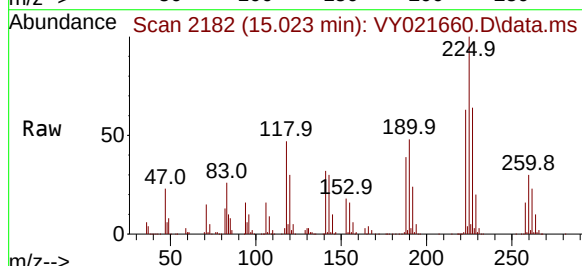
Tgt Ion:225 Resp: 172909

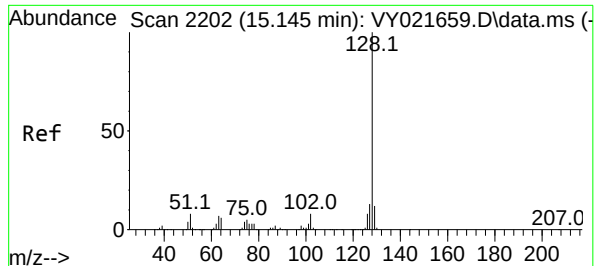
Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.7

227 63.5 32.4 97.0





#95

Naphthalene

Concen: 109.498 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 508449

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

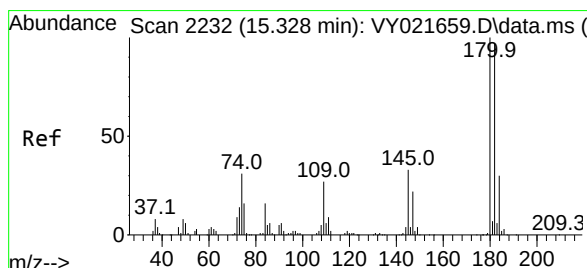
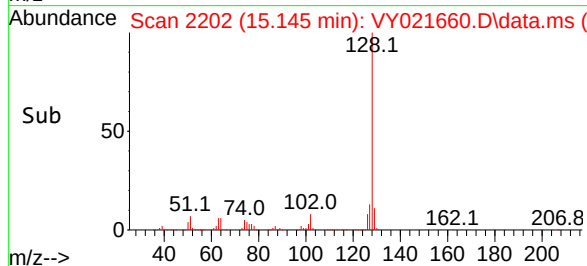
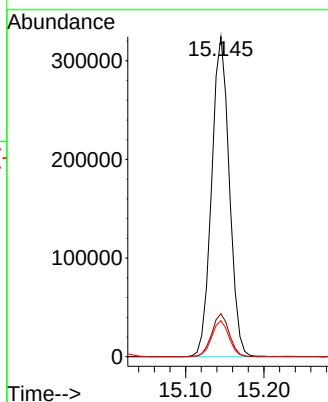
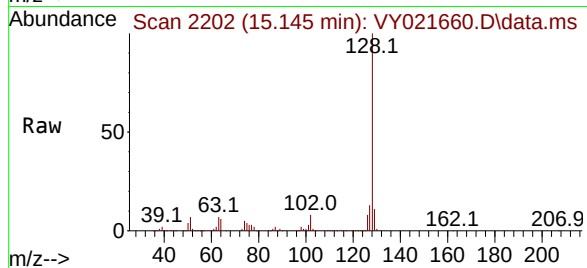
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 104.158 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

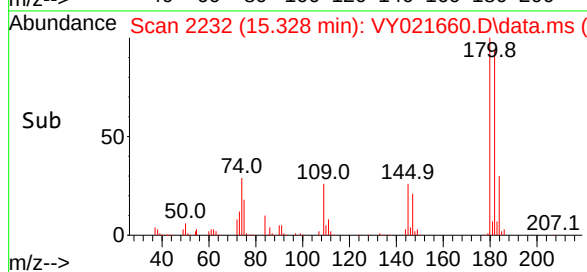
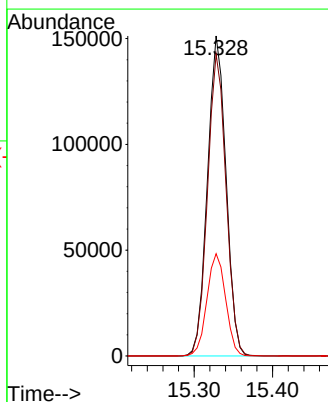
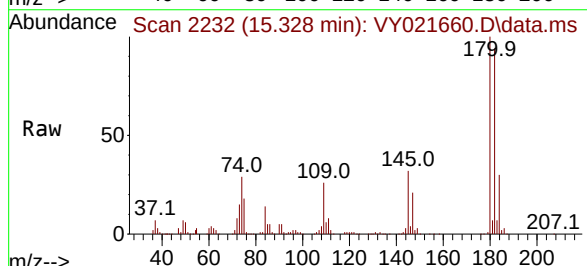
Tgt Ion:180 Resp: 248821

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.5

145 32.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 287.860%#	
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 289.720%#	
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 292.040%#	
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 292.540%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l	100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l #	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l	99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l	99
46) Dibromomethane	9.231	93	228287	137.167	ug/l	98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l	98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l	99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l	100
52) Toluene	10.170	92	1094229	143.758	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l	99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l	98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l	100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l	99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l	99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l	98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l	98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l	100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l	100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l	100
69) o-Xylene	11.957	106	764721	149.852	ug/l	98
70) Styrene	11.969	104	1300778	152.877	ug/l	99
71) Bromoform	12.133	173	244045	143.224	ug/l #	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l	99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174	ug/l	
77) Bromobenzene	12.530	156	461221	145.881	ug/l	99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l	100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l	99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l	100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l	100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l	99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l	99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l	99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l	98
95) Naphthalene	15.145	128	859499	176.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

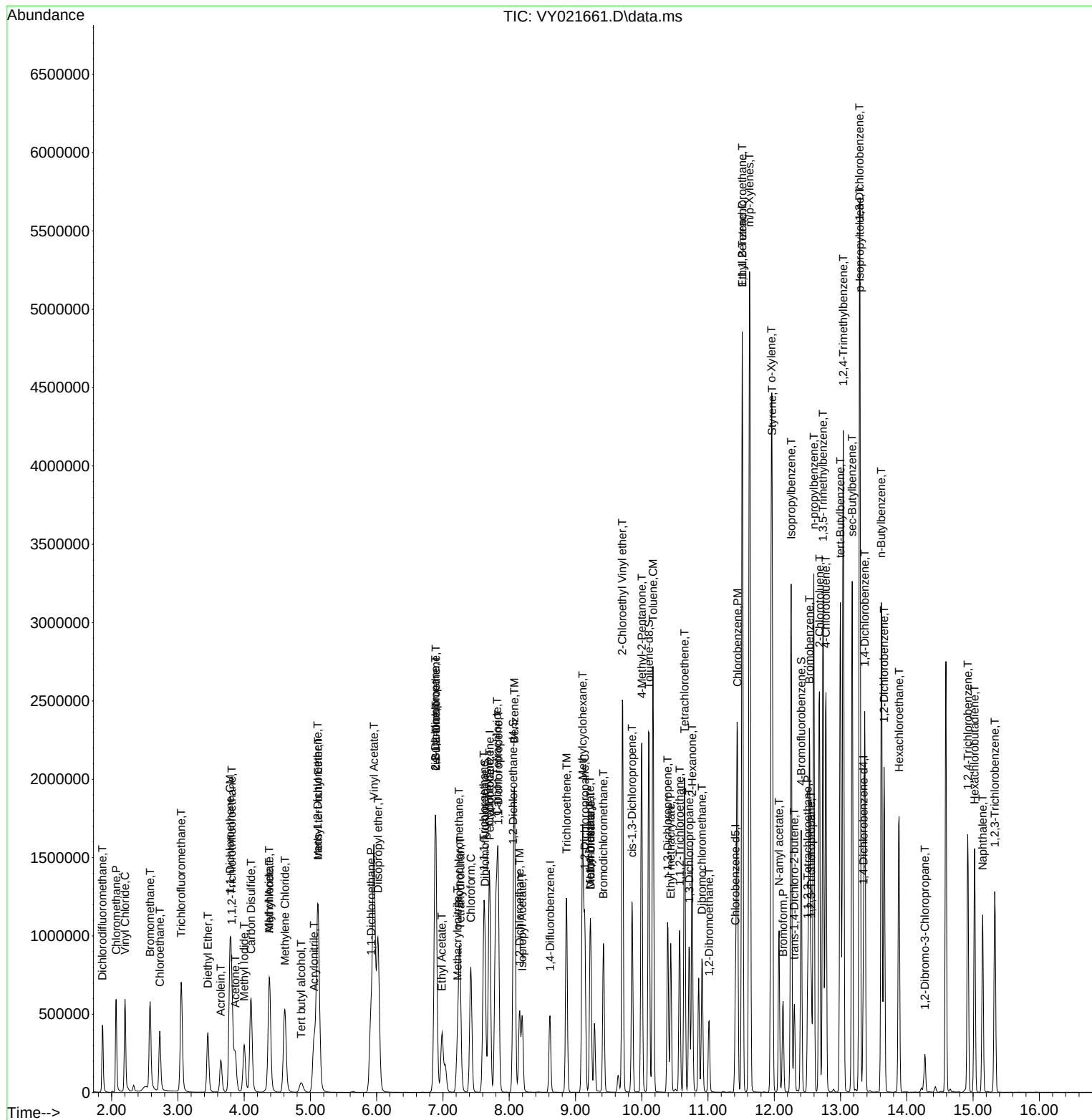
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

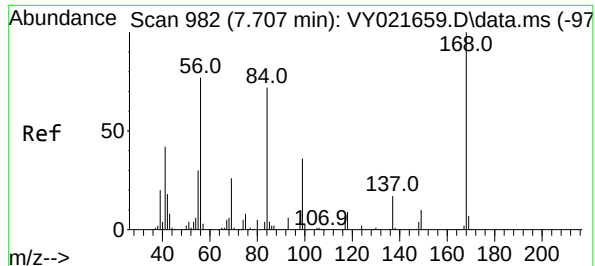
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration





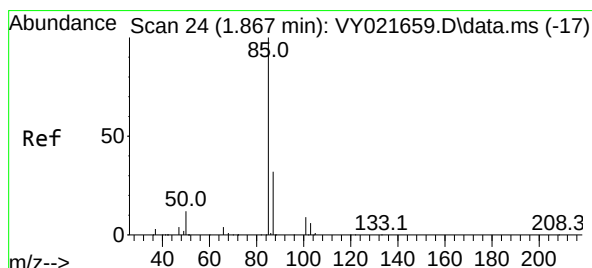
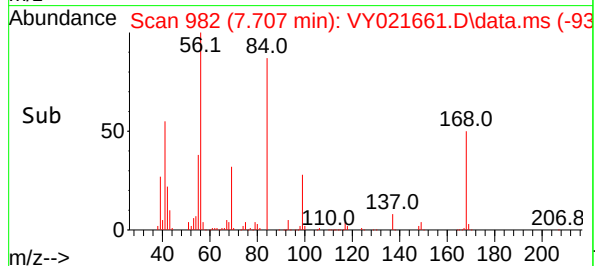
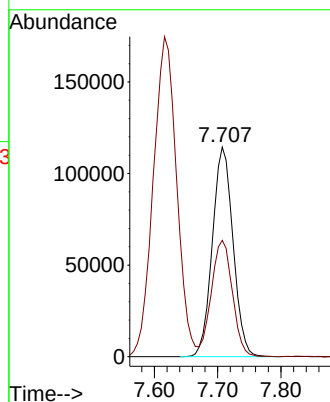
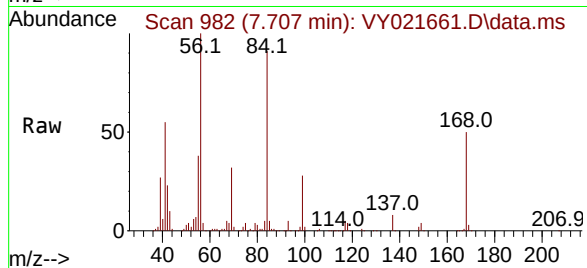
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 259670
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1

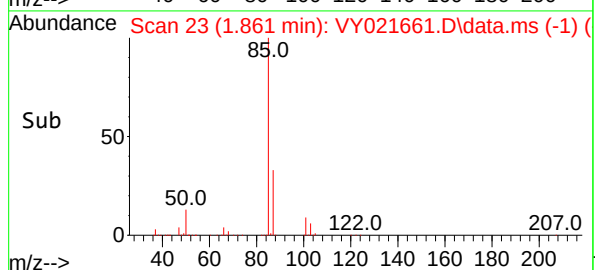
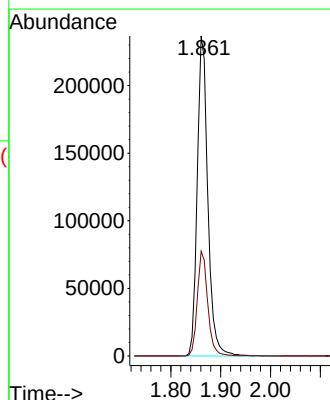
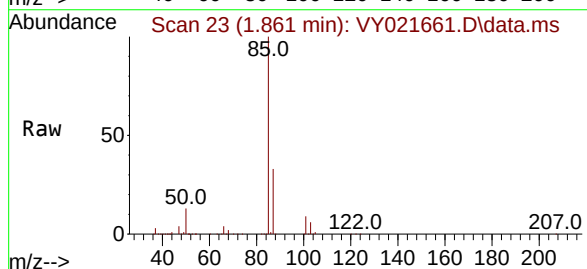
Manual Integrations
APPROVED

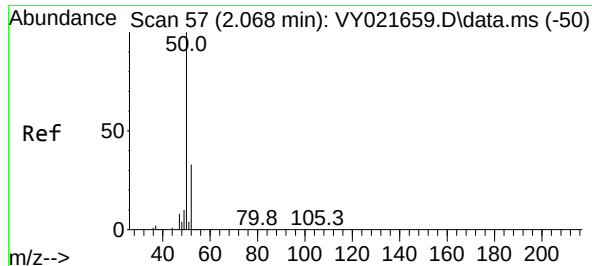
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

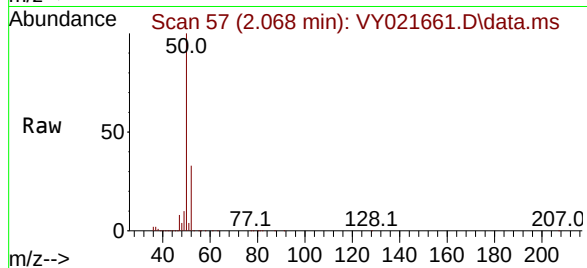
Tgt Ion: 85 Resp: 348314
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

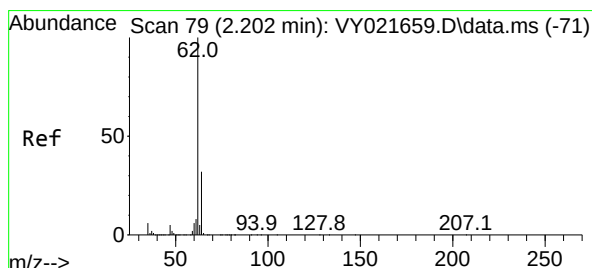
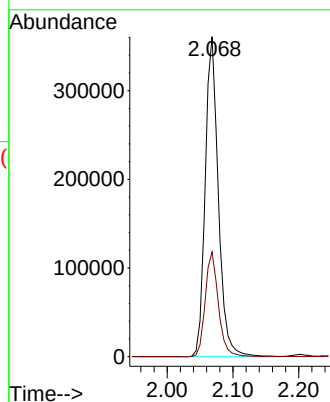
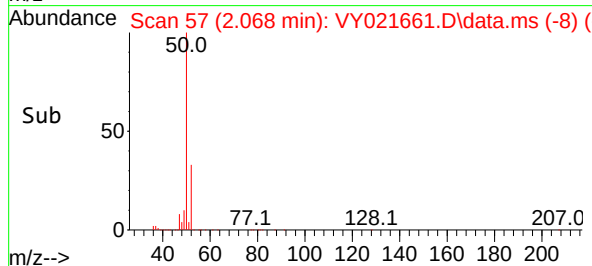
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 501654
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

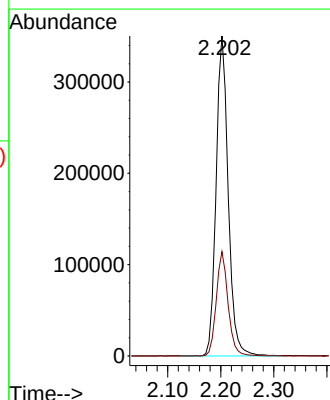
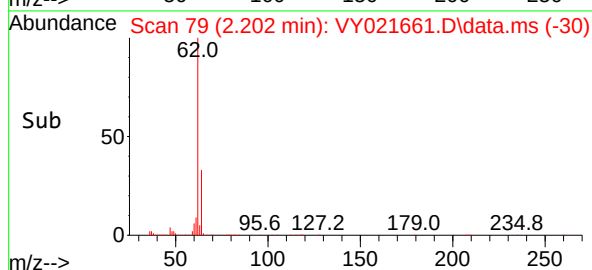
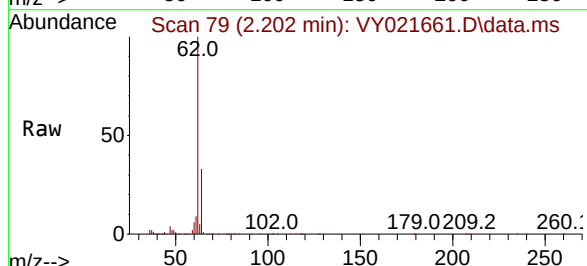
Manual Integrations
APPROVED

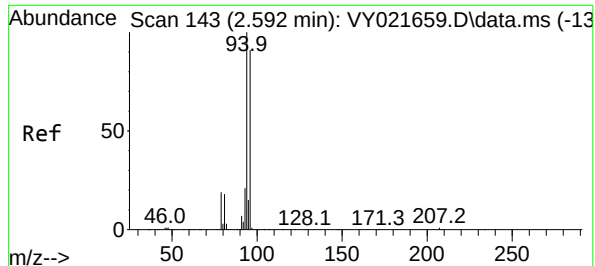
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

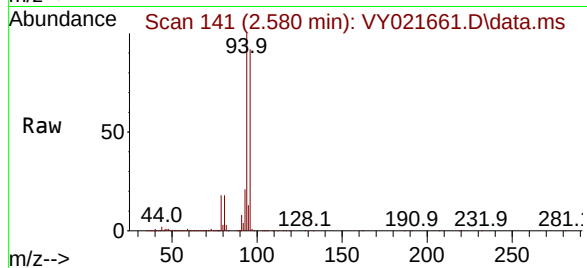
Tgt Ion: 62 Resp: 555909
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 143
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

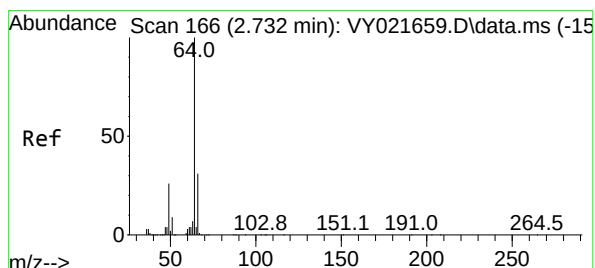
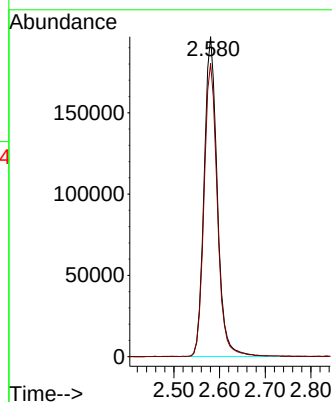
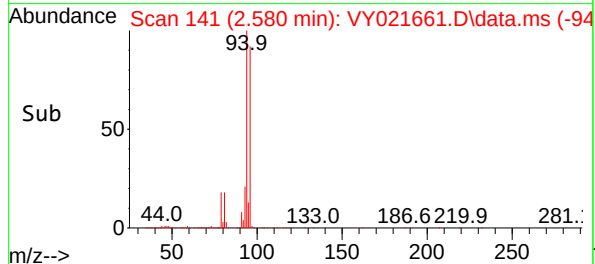
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 394188
Ion Ratio Lower Upper
94 100
96 91.6 72.8 109.2

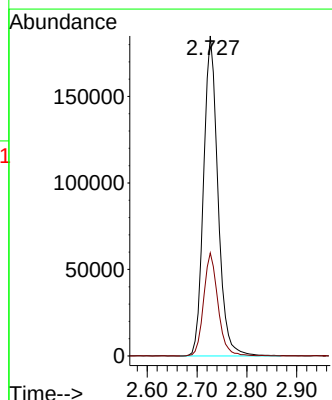
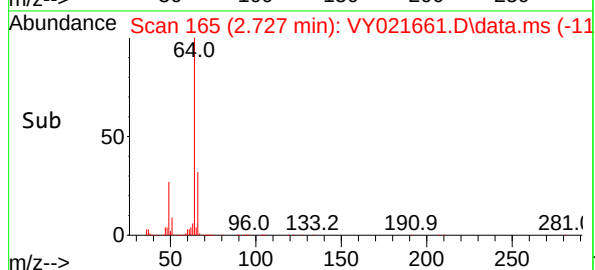
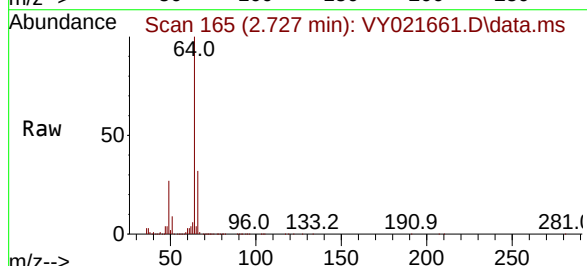
Manual Integrations
APPROVED

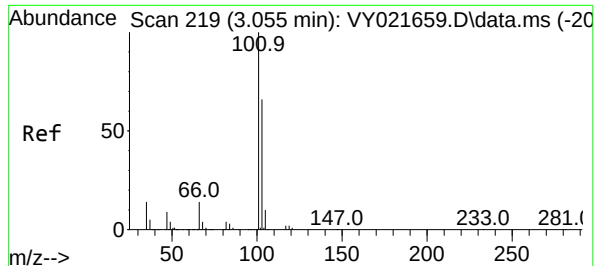
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

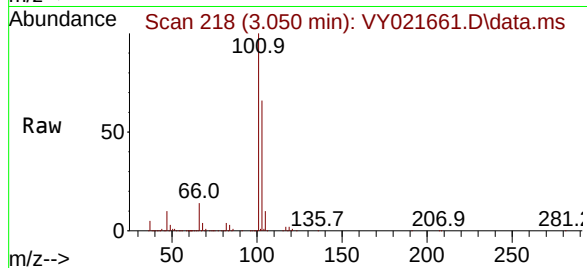
Tgt Ion: 64 Resp: 370633
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

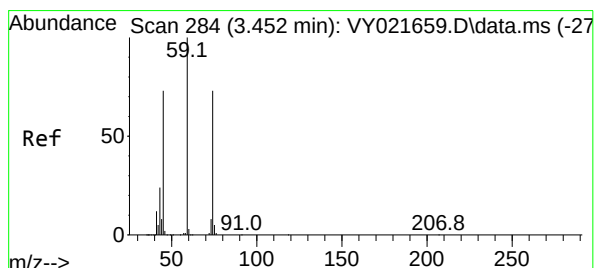
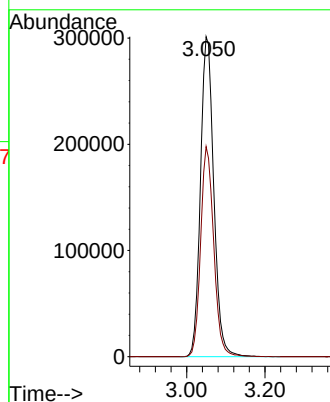
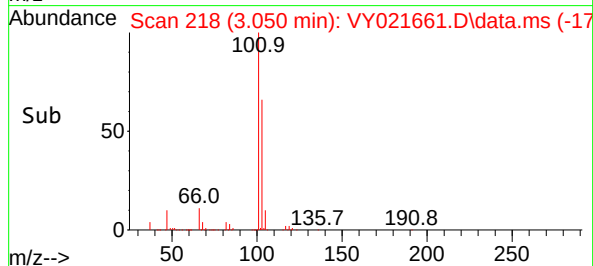
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 712314
Ion Ratio Lower Upper
101 100
103 65.6 53.1 79.7

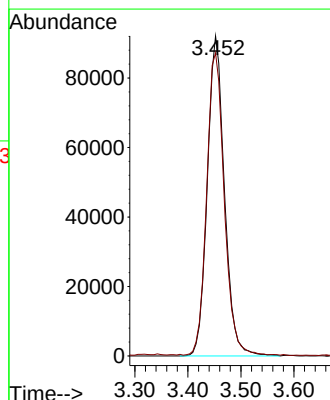
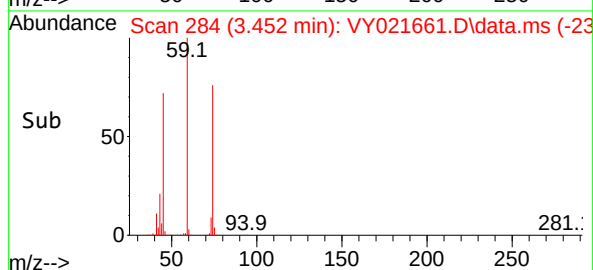
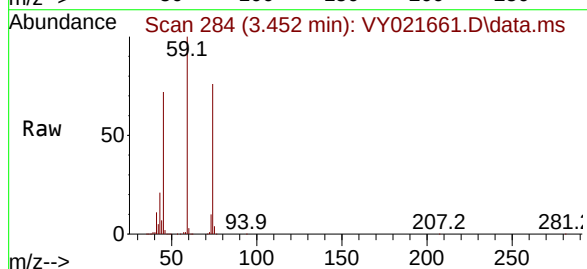
Manual Integrations
APPROVED

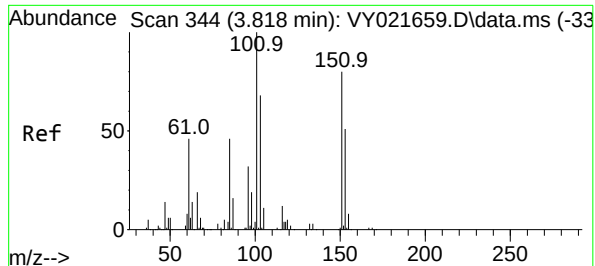
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844
Ion Ratio Lower Upper
74 100
45 96.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.532 ug/l

RT: 3.812 min Scan# 344

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 36878

Ion Ratio Lower Upper

101 100

85 46.2 36.3 54.5

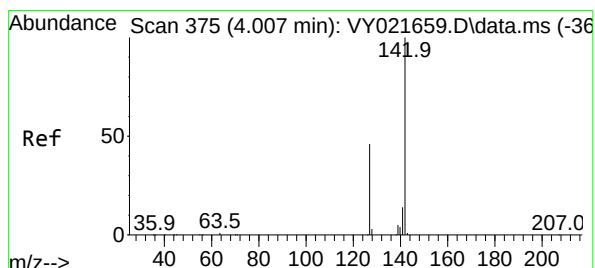
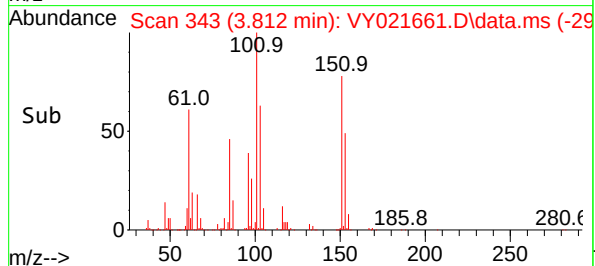
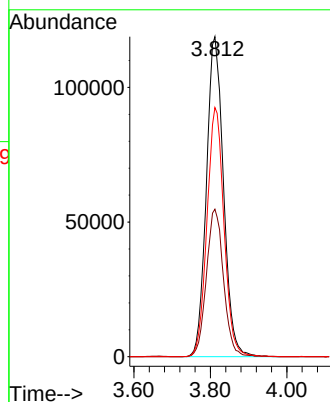
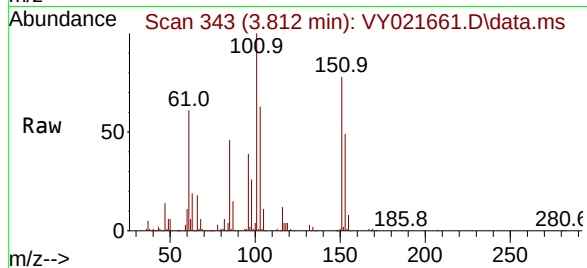
151 77.5 61.3 91.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#10

Methyl Iodide

Concen: 152.366 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

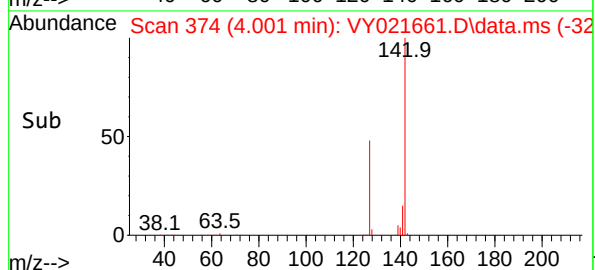
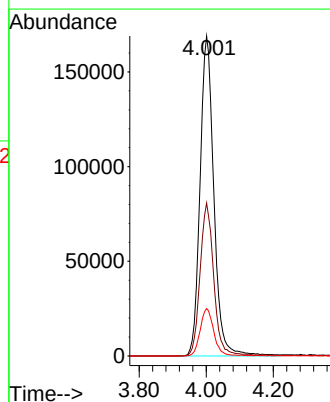
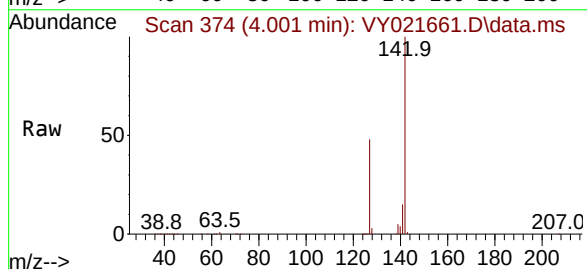
Tgt Ion:142 Resp: 483364

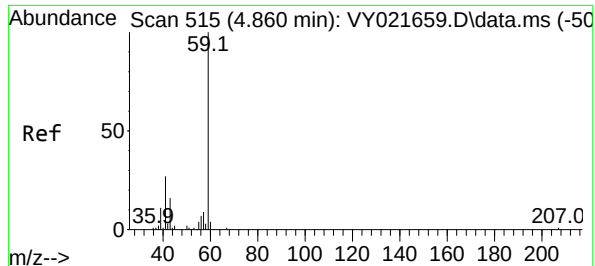
Ion Ratio Lower Upper

142 100

127 47.4 38.7 58.1

141 14.5 11.5 17.3





#11

Tert butyl alcohol

Concen: 692.642 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 12657

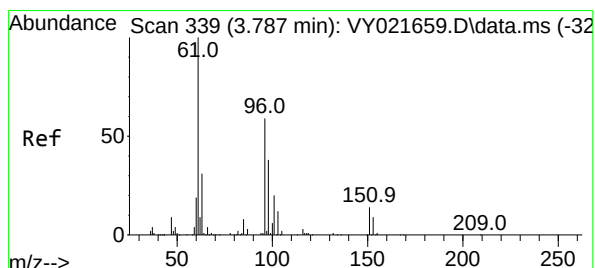
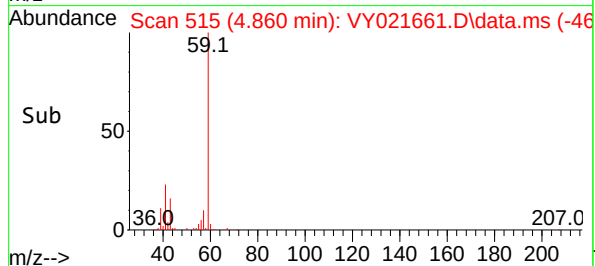
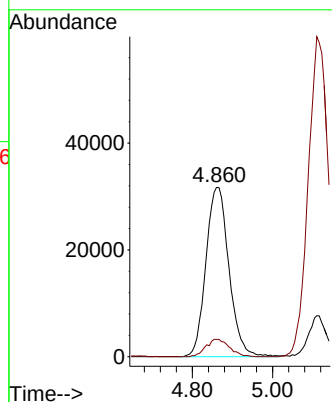
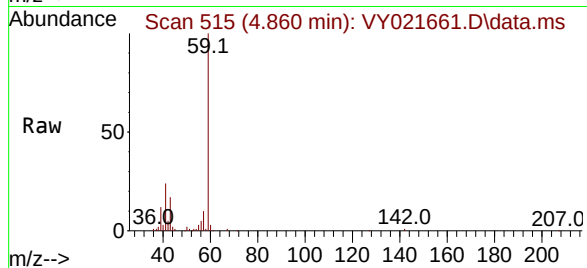
Ion Ratio Lower Upper

59 100

57 10.5 9.2 13.8

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#12

1,1-Dichloroethene

Concen: 136.361 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

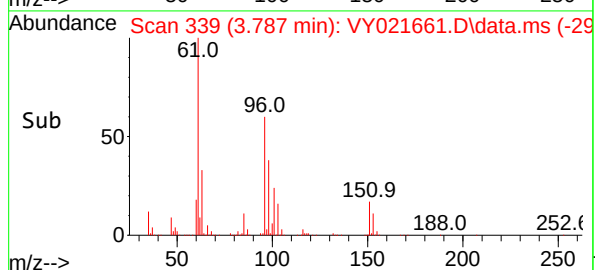
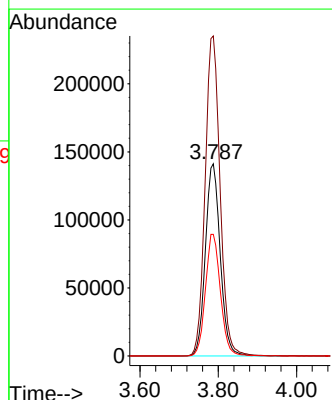
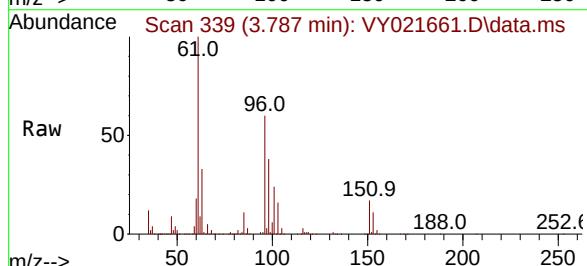
Tgt Ion: 96 Resp: 371412

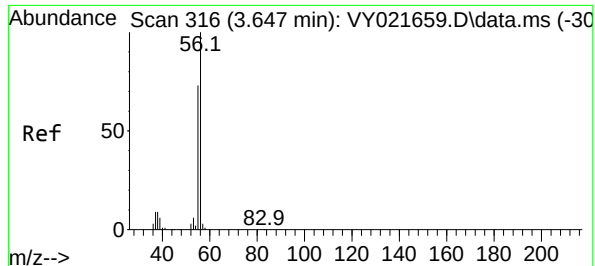
Ion Ratio Lower Upper

96 100

61 166.5 136.6 204.8

98 63.3 52.3 78.5





#13

Acrolein

Concen: 708.604 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 236449

Ion Ratio Lower Upper

56 100

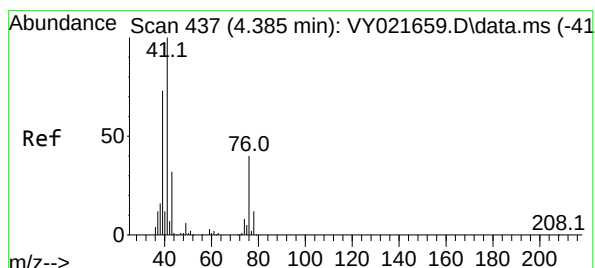
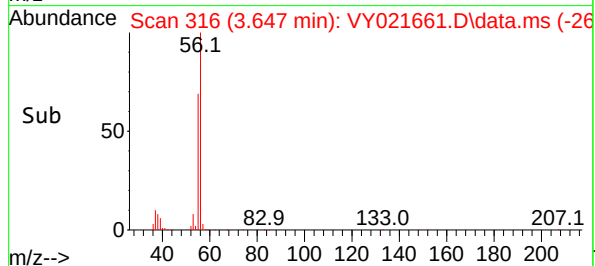
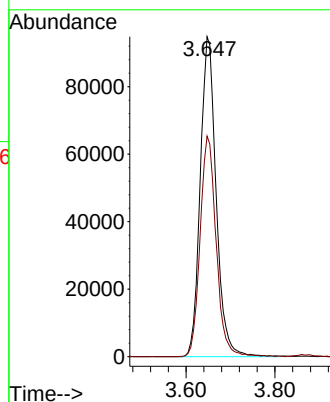
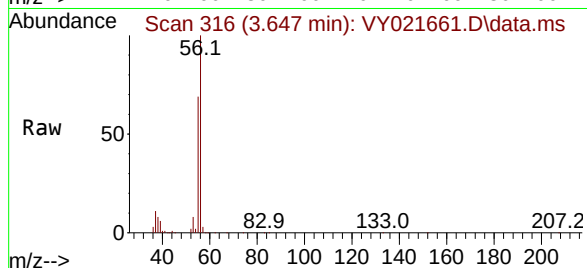
55 69.6 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 143.656 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

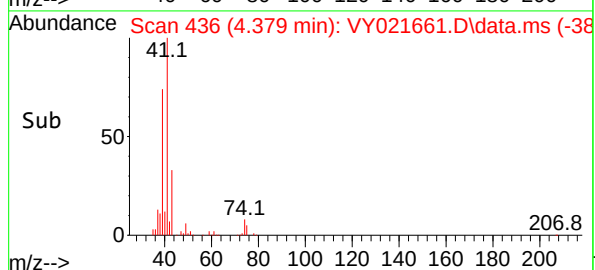
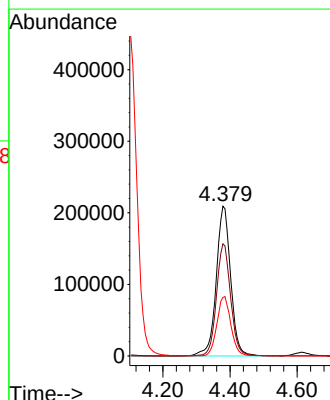
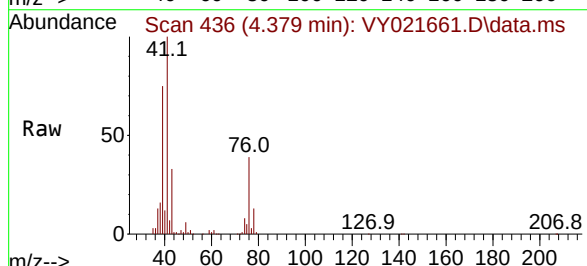
Tgt Ion: 41 Resp: 623865

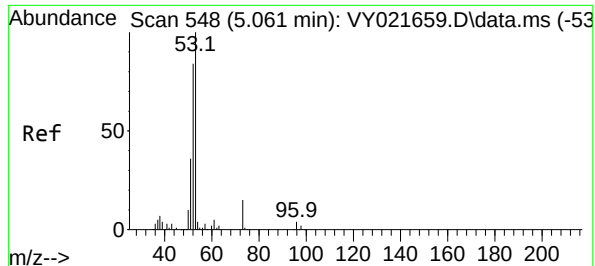
Ion Ratio Lower Upper

41 100

39 73.5 58.6 88.0

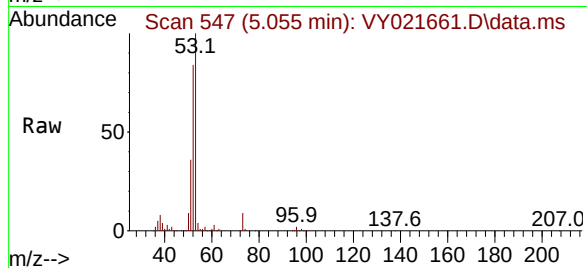
76 38.2 30.3 45.5





#15
Acrylonitrile
Concen: 706.375 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

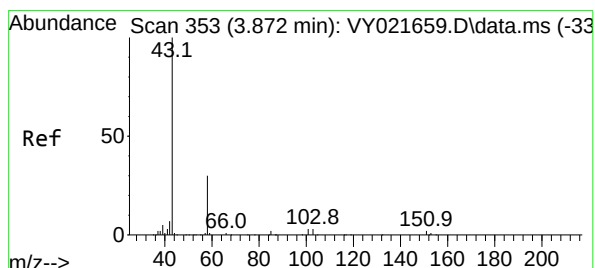
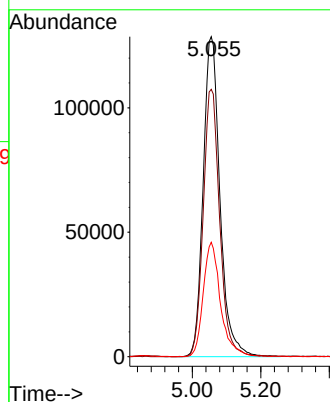
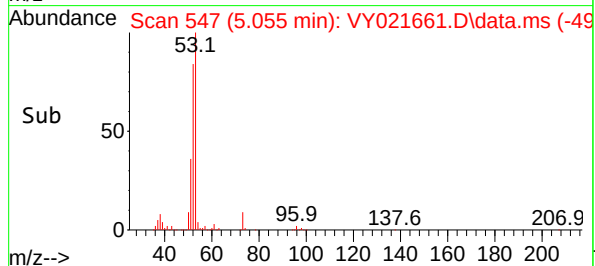
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 53 Resp: 43975
Ion Ratio Lower Upper
53 100
52 82.0 64.9 97.3
51 37.0 30.2 45.2

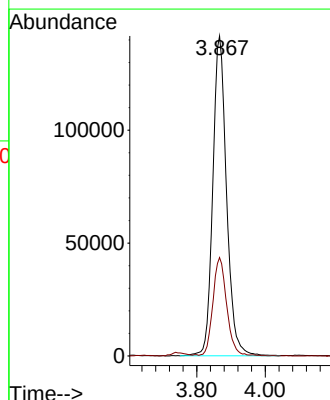
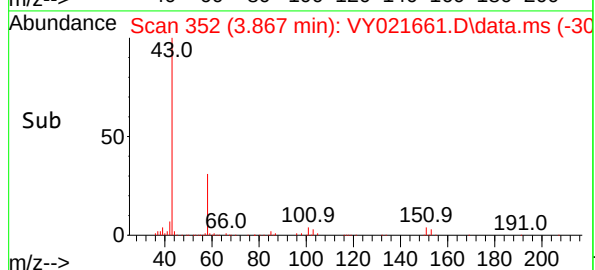
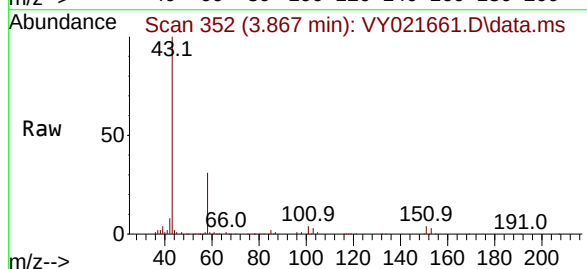
Manual Integrations
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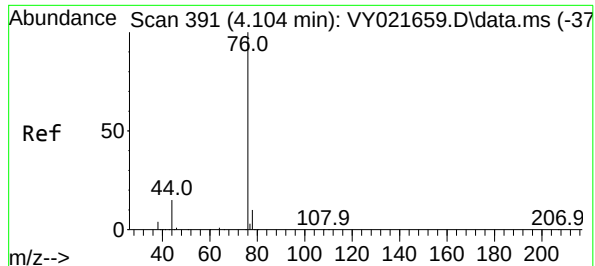
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16
Acetone
Concen: 686.626 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 395370
Ion Ratio Lower Upper
43 100
58 30.7 24.2 36.4





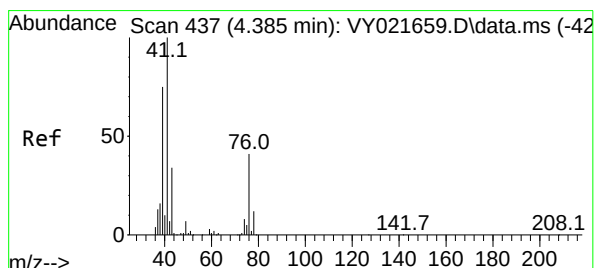
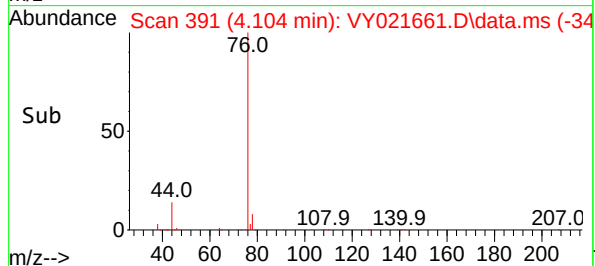
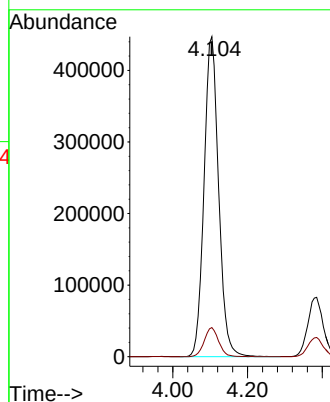
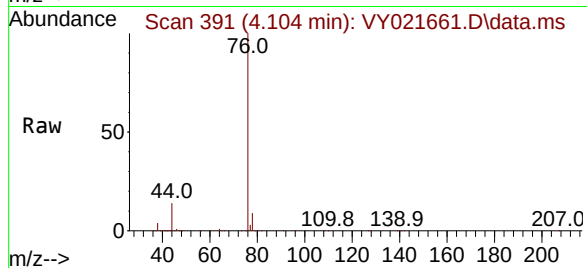
#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1209290
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

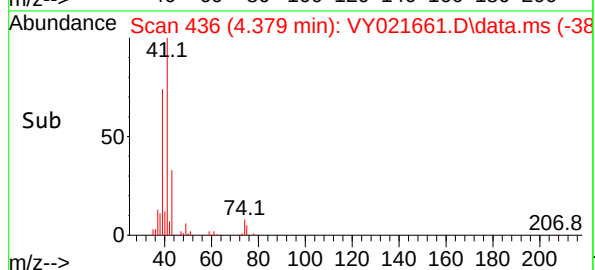
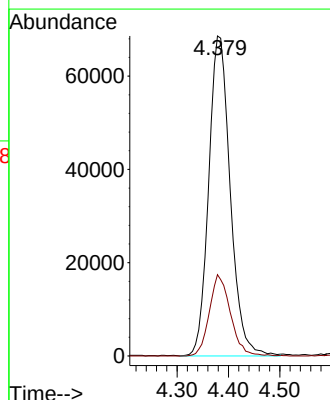
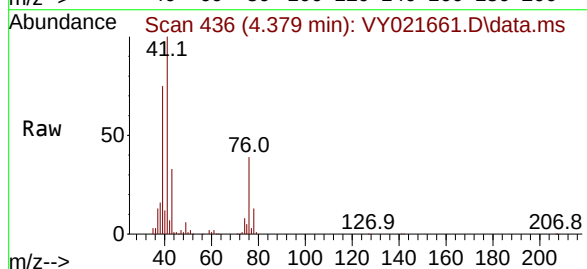
Manual Integrations
APPROVED

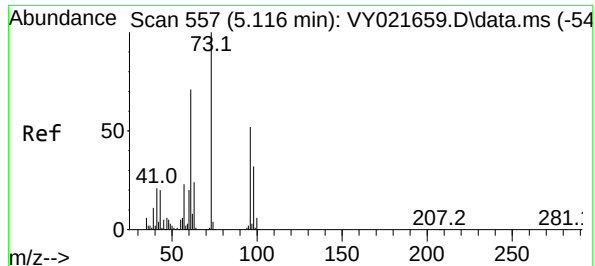
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951
Ion Ratio Lower Upper
43 100
74 24.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 148.374 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 1006150

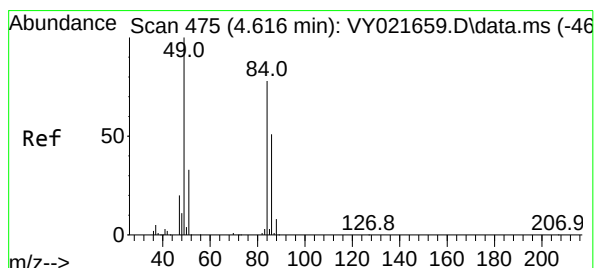
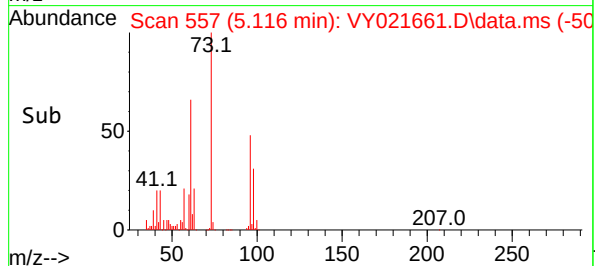
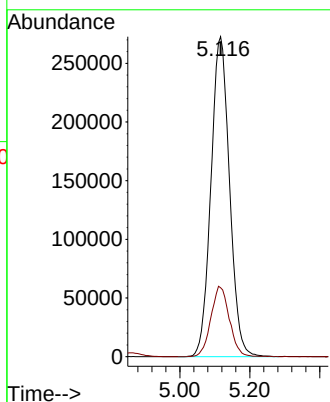
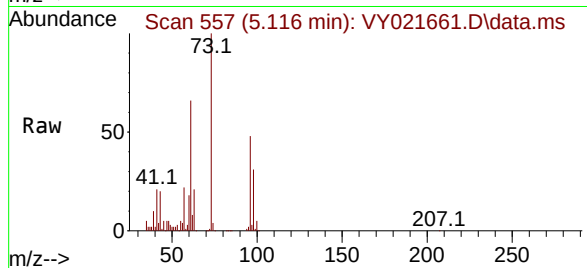
Ion Ratio Lower Upper

73 100

57 21.6 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#20

Methylene Chloride

Concen: 149.840 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

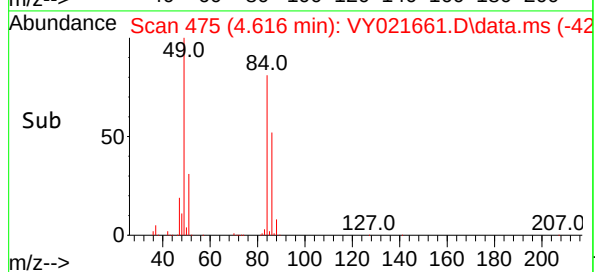
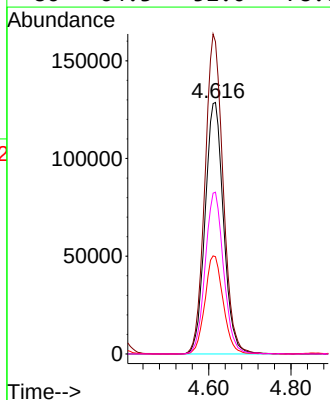
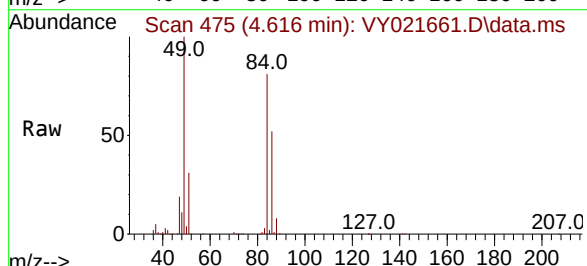
Ion Ratio Lower Upper

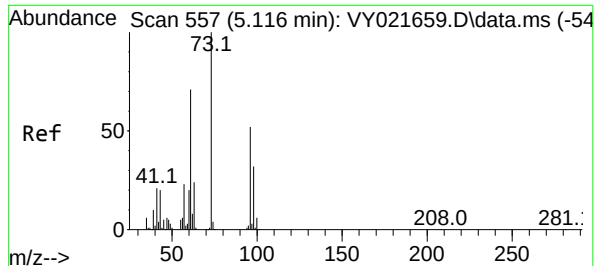
84 100

49 124.1 102.8 154.2

51 38.6 33.5 50.3

86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 139.351 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021661.D

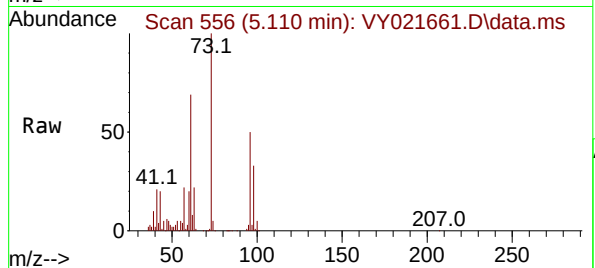
Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150



Tgt Ion: 96 Resp: 417900

Ion Ratio Lower Upper

96 100

61 137.8 109.4 164.0

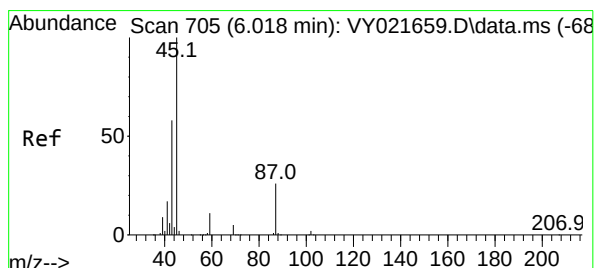
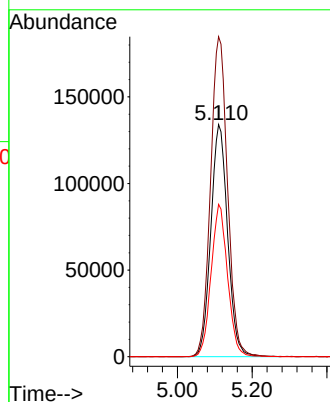
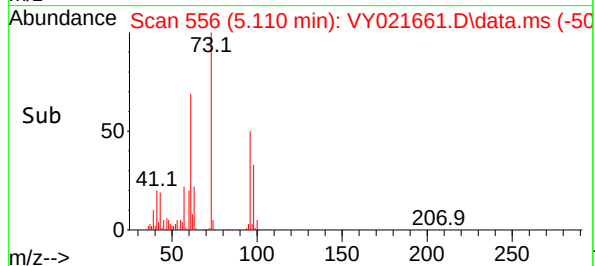
98 65.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 145.463 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167

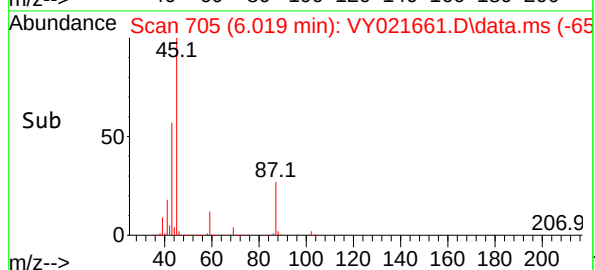
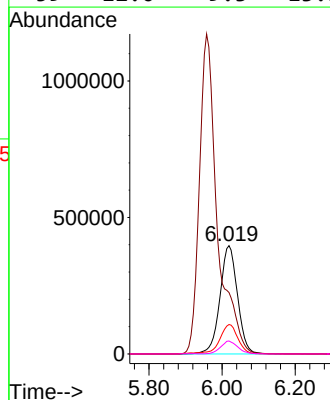
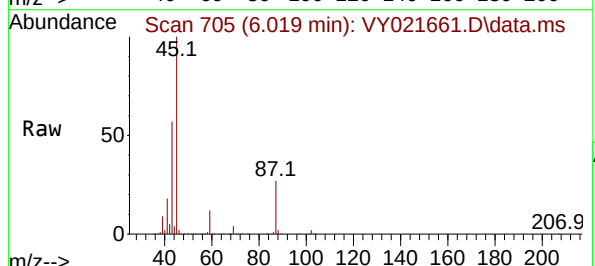
Ion Ratio Lower Upper

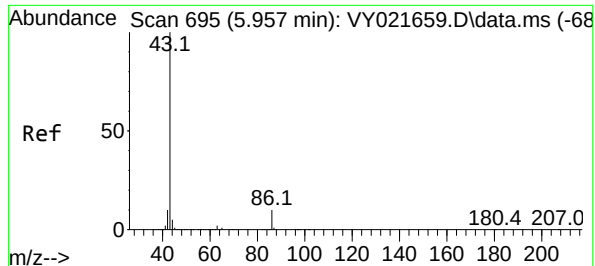
45 100

43 56.7 46.6 69.8

87 27.2 20.7 31.1

59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 749.332 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3993494

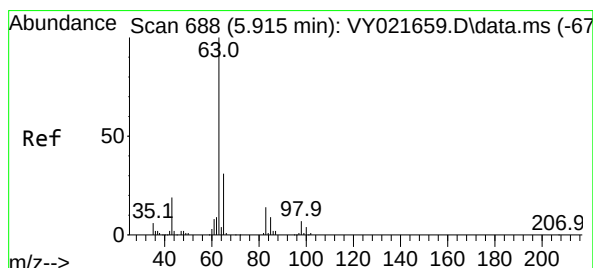
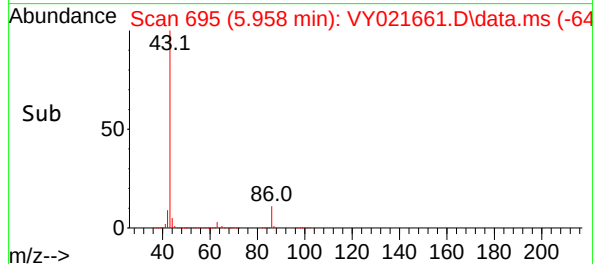
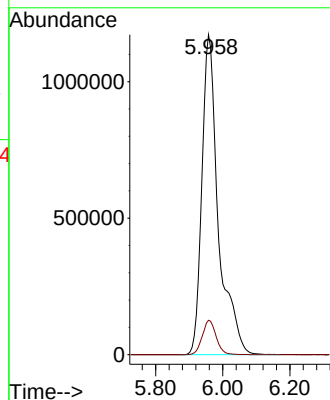
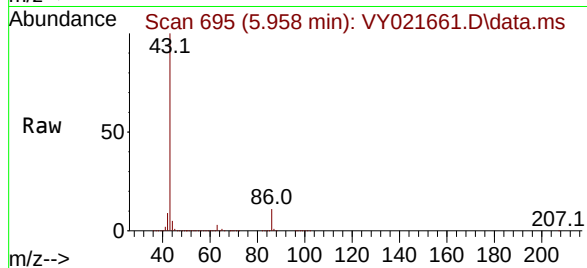
Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#24

1,1-Dichloroethane

Concen: 138.403 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

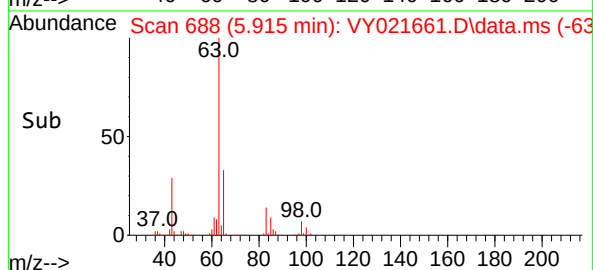
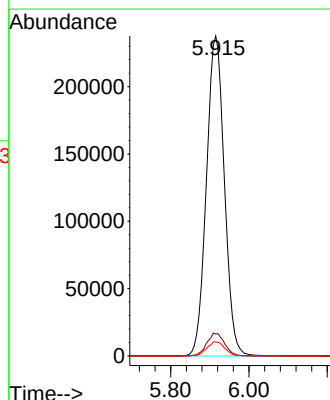
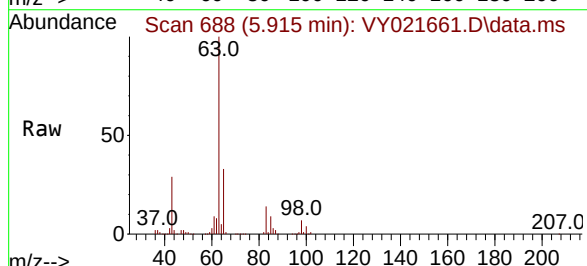
Tgt Ion: 63 Resp: 753930

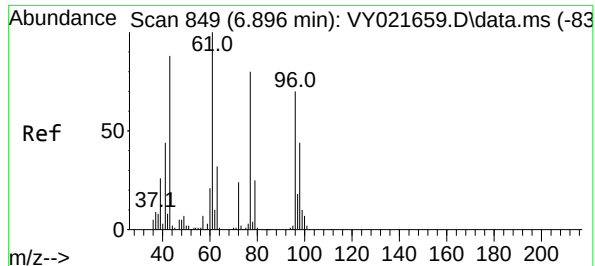
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 733.215 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 603028

Ion Ratio Lower Upper

43 100

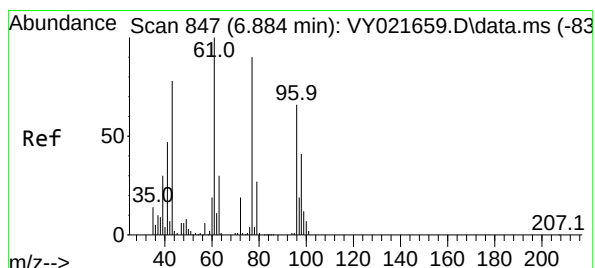
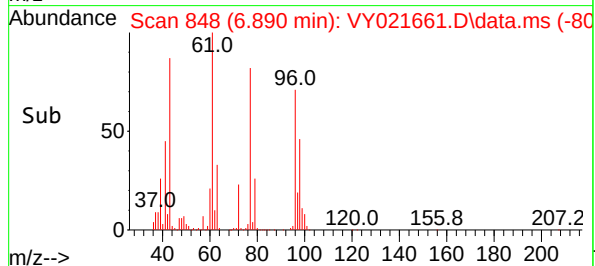
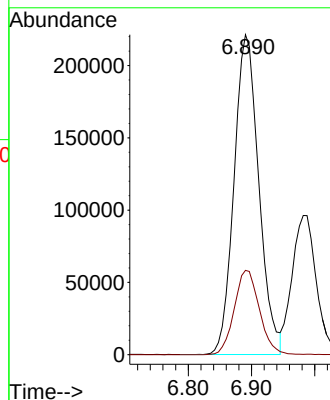
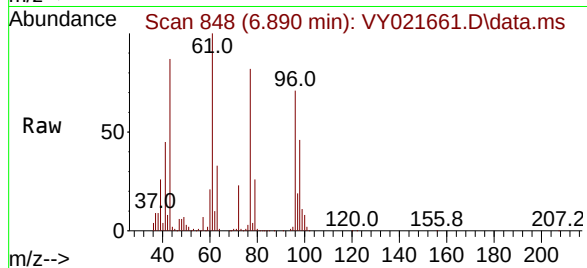
72 26.4 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 139.949 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021661.D

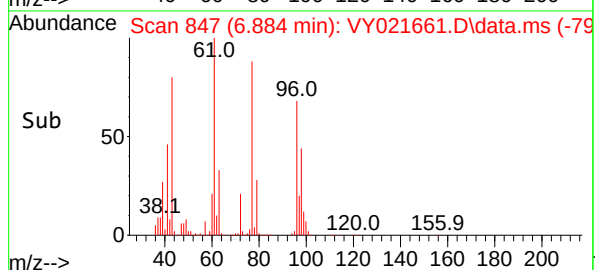
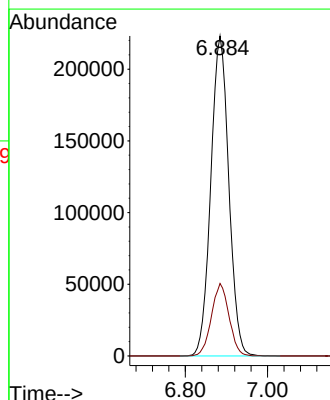
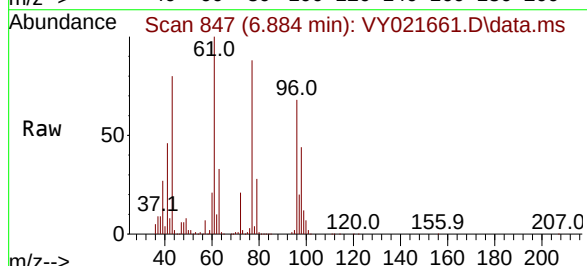
Acq: 27 Mar 2025 12:02

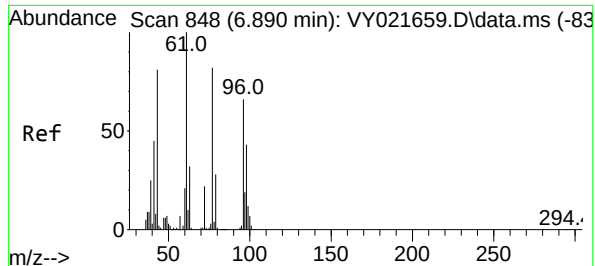
Tgt Ion: 77 Resp: 678134

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 145.395 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 490349

Ion Ratio Lower Upper

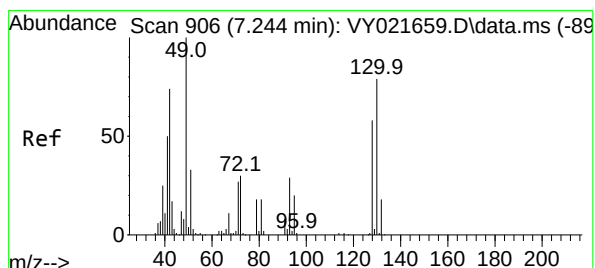
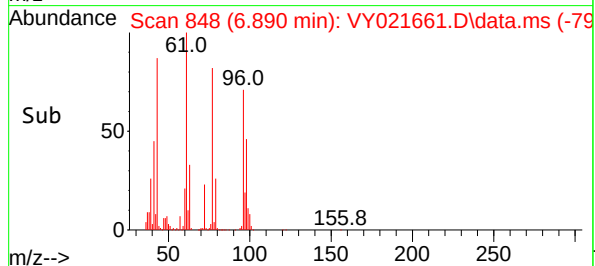
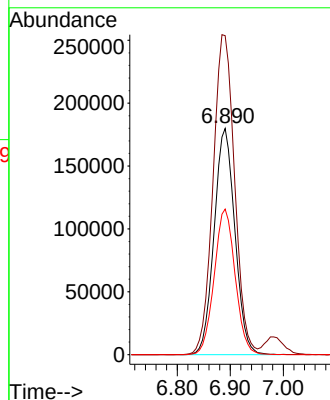
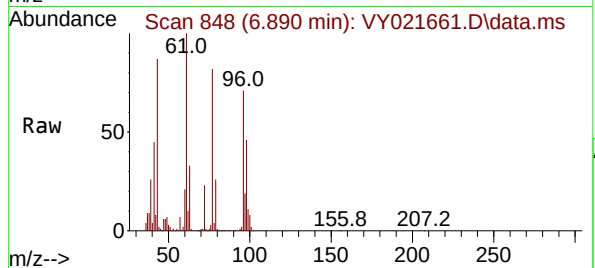
96 100

61 146.8 0.0 296.4

98 64.9 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#28

Bromochloromethane

Concen: 136.480 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

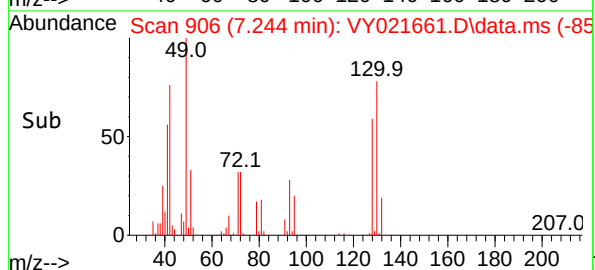
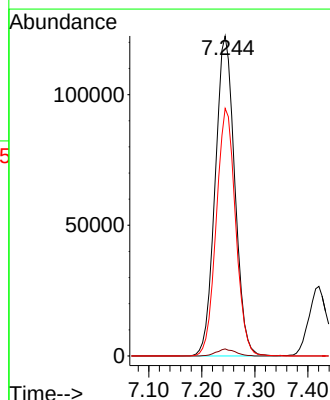
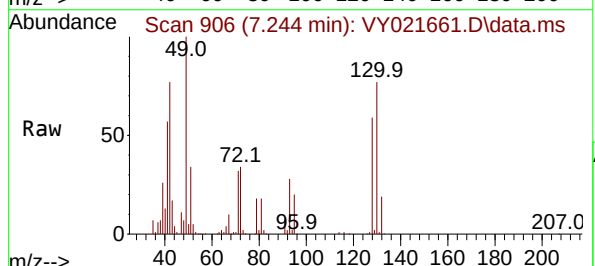
Tgt Ion: 49 Resp: 313542

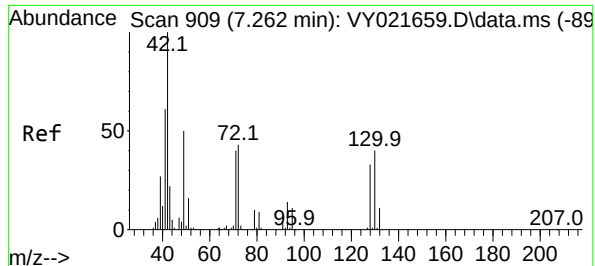
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 716.799 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 37941

Ion Ratio Lower Upper

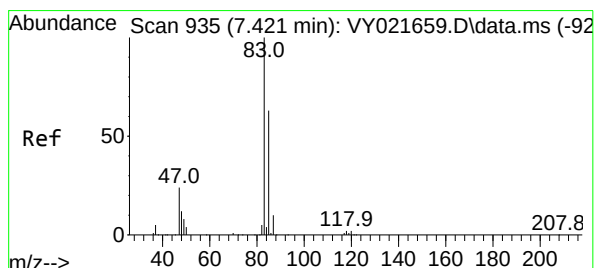
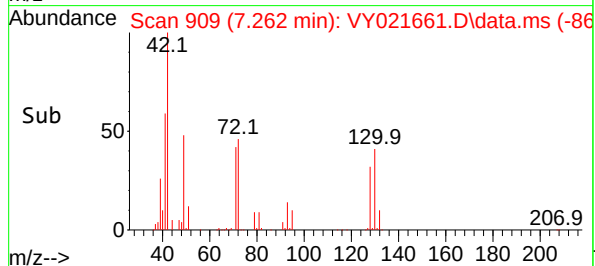
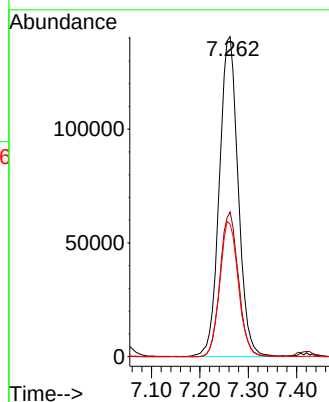
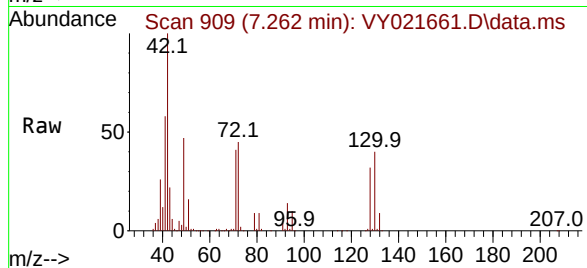
42 100

72 44.1 34.6 52.0

71 41.9 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#30

Chloroform

Concen: 137.548 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021661.D

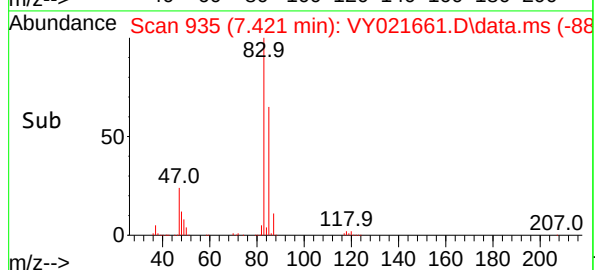
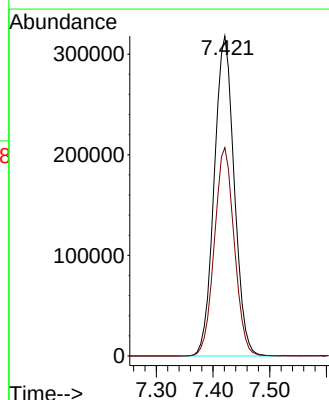
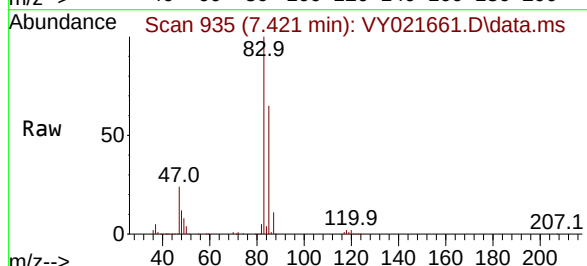
Acq: 27 Mar 2025 12:02

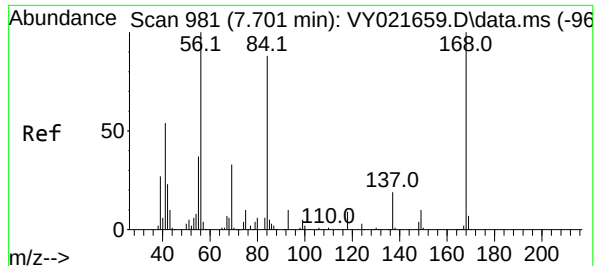
Tgt Ion: 83 Resp: 779319

Ion Ratio Lower Upper

83 100

85 65.1 50.6 75.8





#31

Cyclohexane

Concen: 128.388 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 63753

Ion Ratio Lower Upper

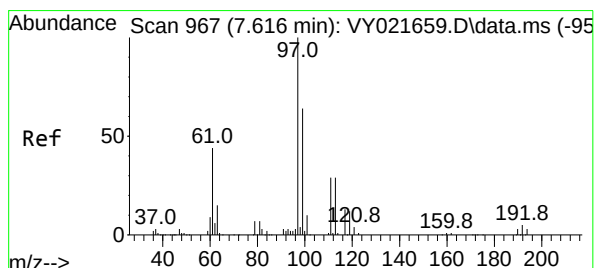
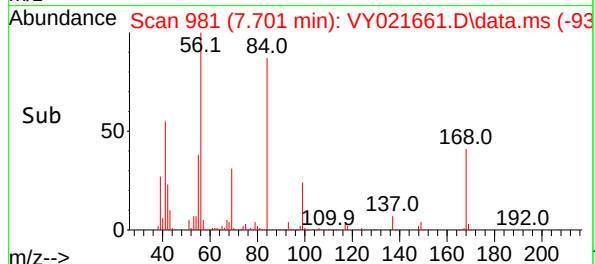
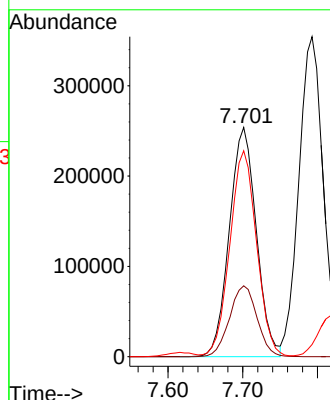
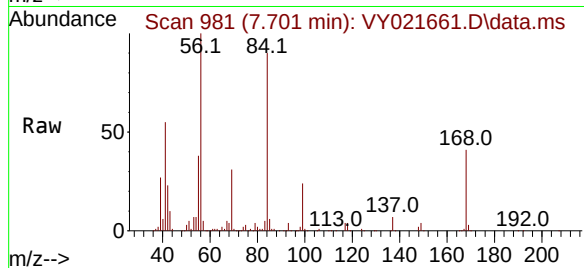
56 100

69 31.0 26.6 40.0

84 88.0 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#32

1,1,1-Trichloroethane

Concen: 135.918 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

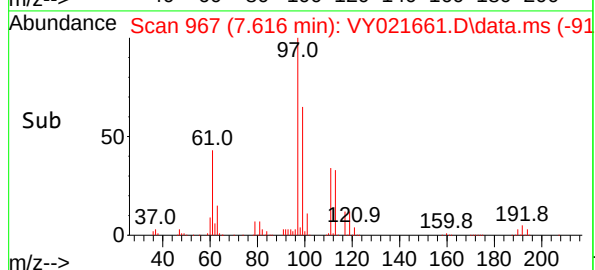
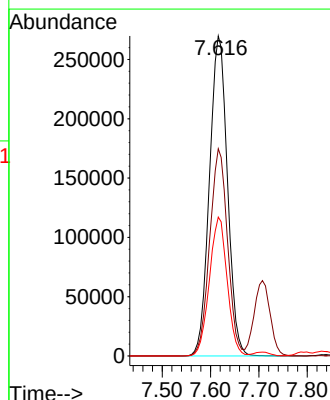
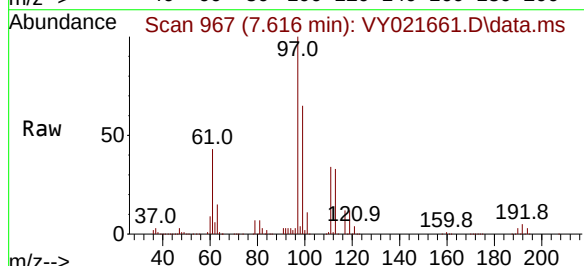
Tgt Ion: 97 Resp: 696016

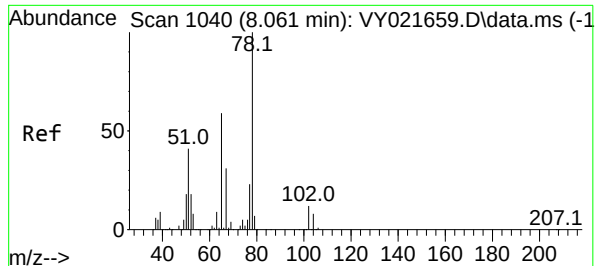
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 143.931 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 404952

Ion Ratio Lower Upper

65 100

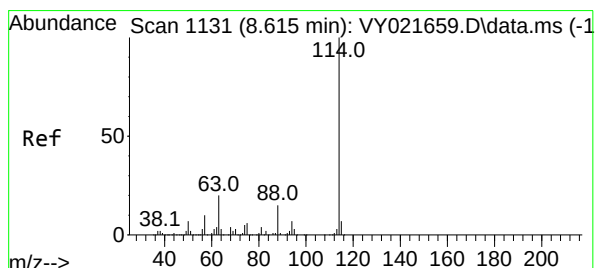
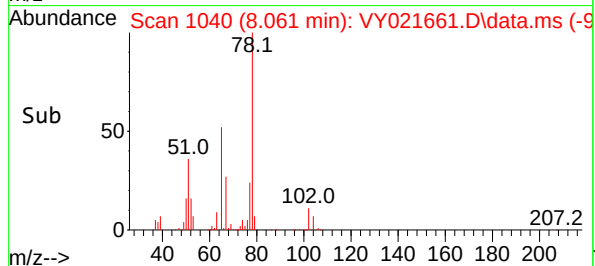
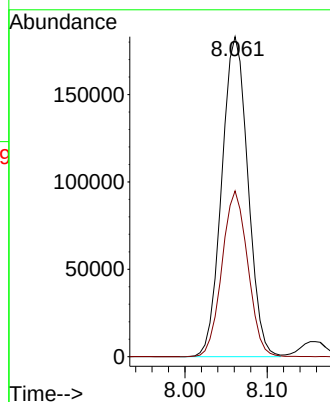
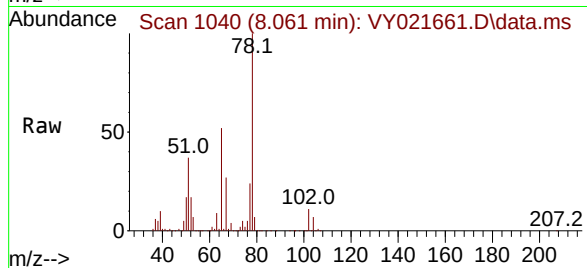
67 51.1 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

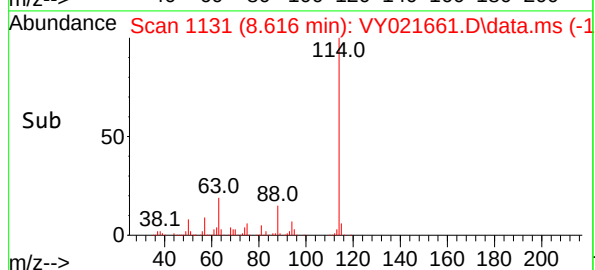
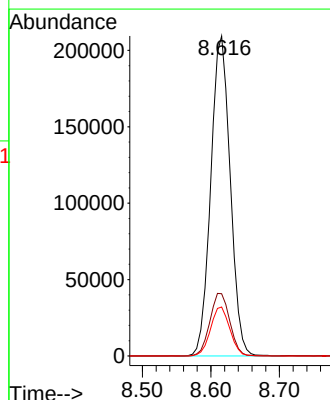
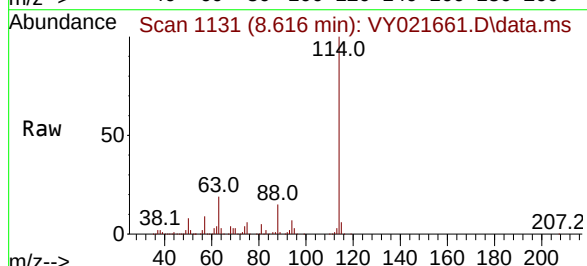
Tgt Ion:114 Resp: 412304

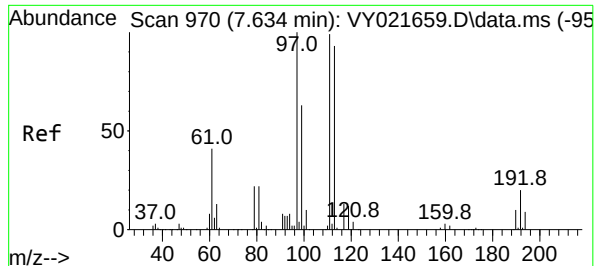
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 144.862 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 387439

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

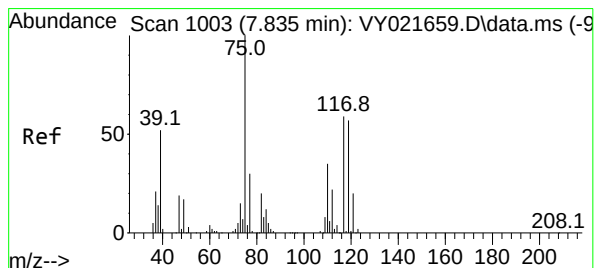
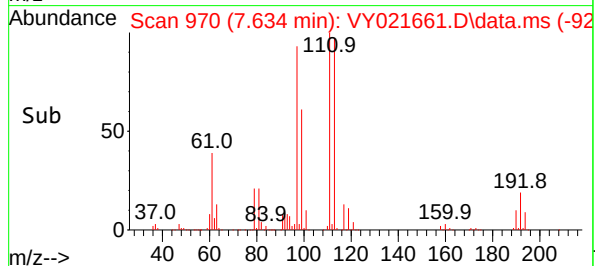
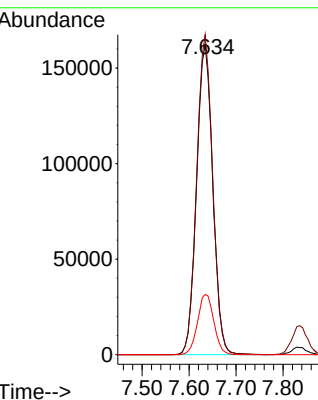
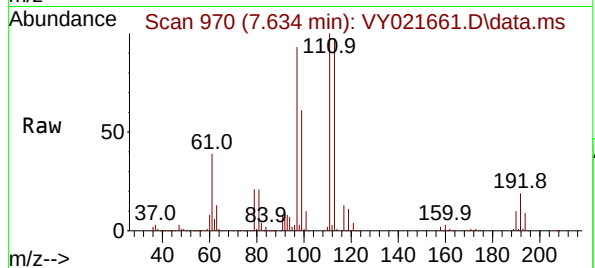
192 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 136.722 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

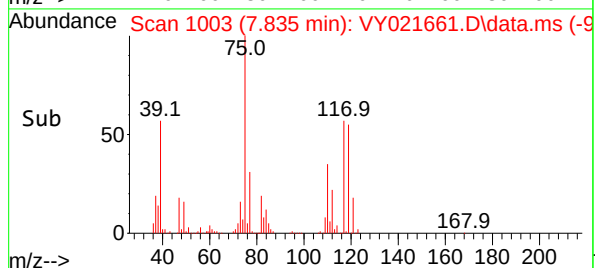
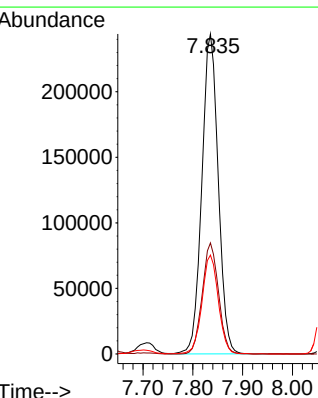
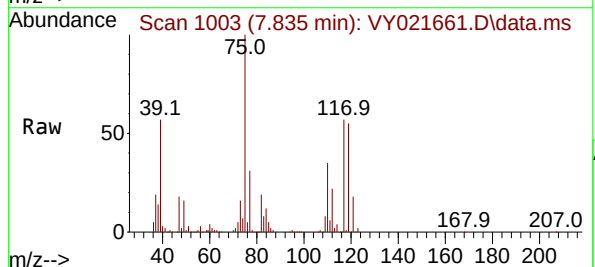
Tgt Ion: 75 Resp: 556974

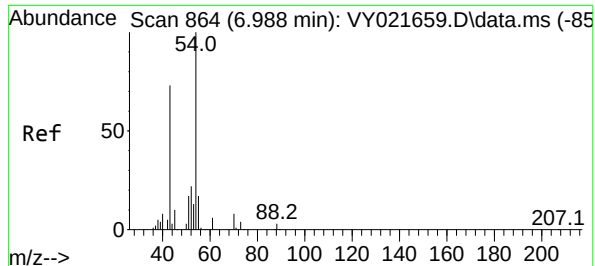
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.9 24.8 37.2





#37

Ethyl Acetate

Concen: 134.812 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 25918

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.6

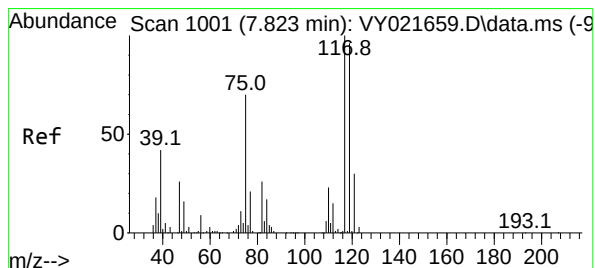
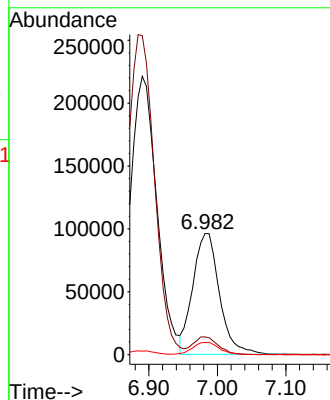
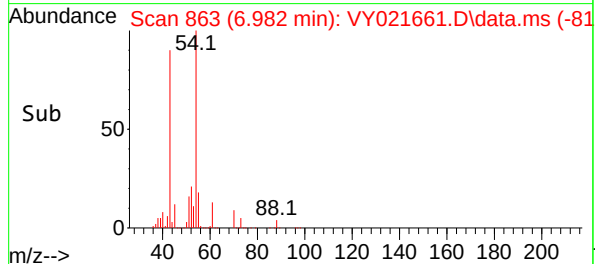
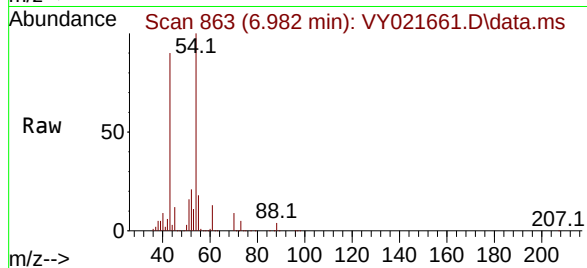
70 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 134.452 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

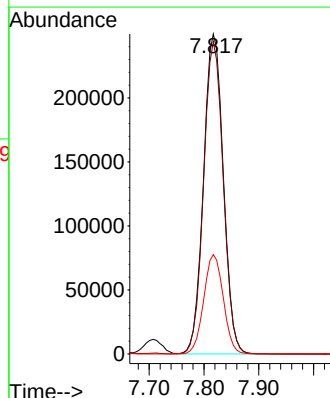
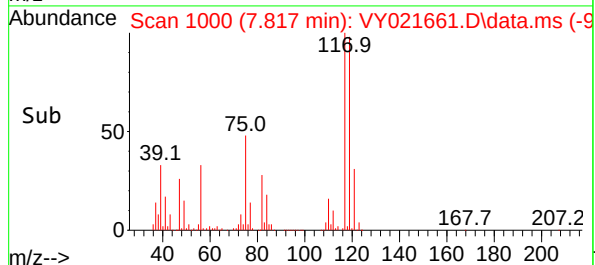
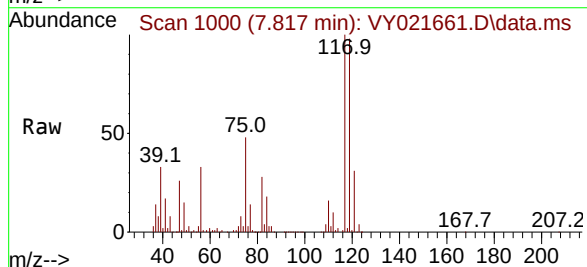
Tgt Ion:117 Resp: 627331

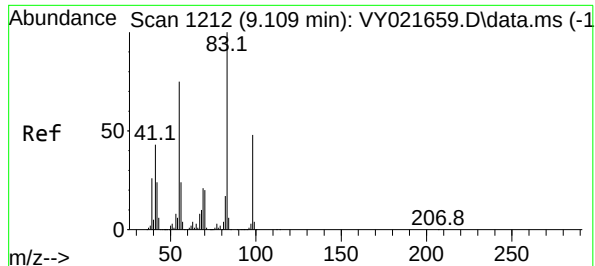
Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.4

121 31.0 24.2 36.4





#39

Methylcyclohexane

Concen: 139.666 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 679694

Ion Ratio Lower Upper

83 100

55 75.3 59.7 89.5

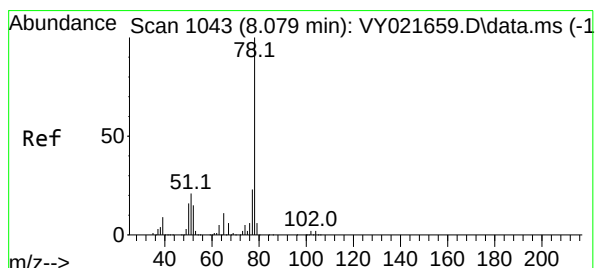
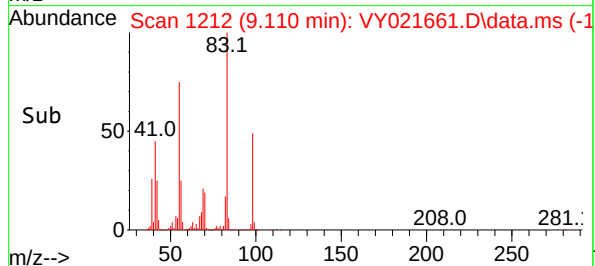
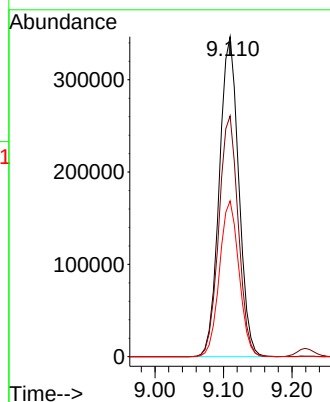
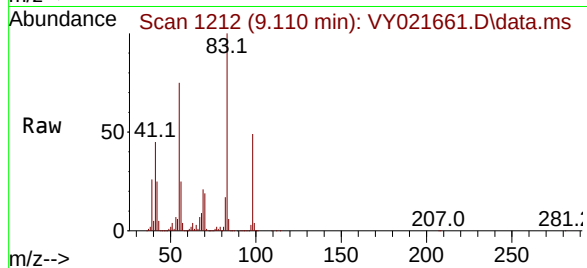
98 48.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 139.014 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021661.D

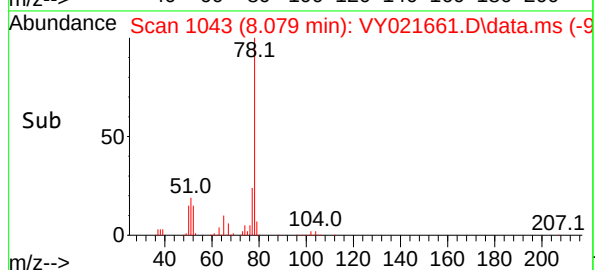
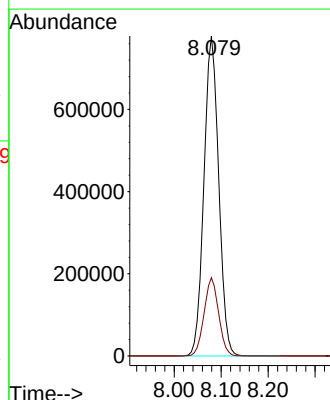
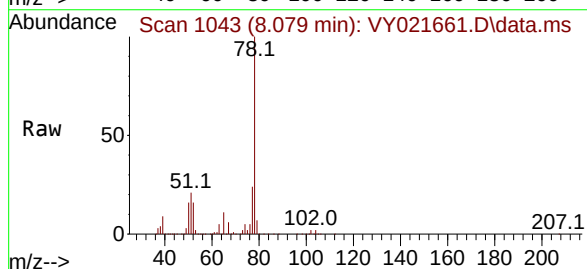
Acq: 27 Mar 2025 12:02

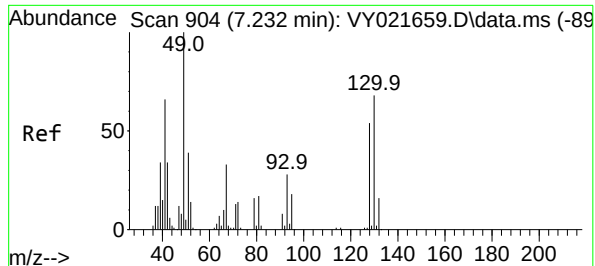
Tgt Ion: 78 Resp: 1695962

Ion Ratio Lower Upper

78 100

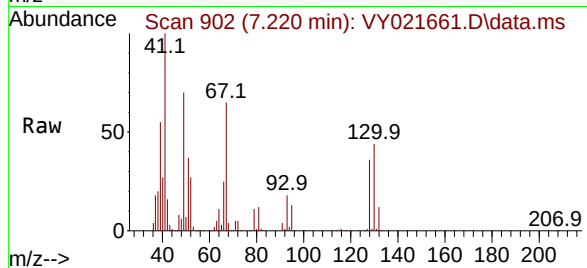
77 24.4 18.8 28.2





#41
Methacrylonitrile
Concen: 140.447 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

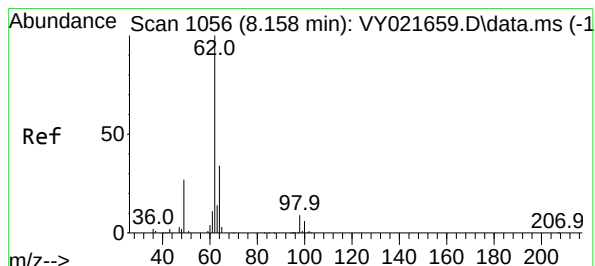
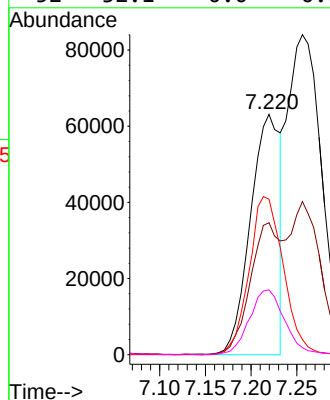
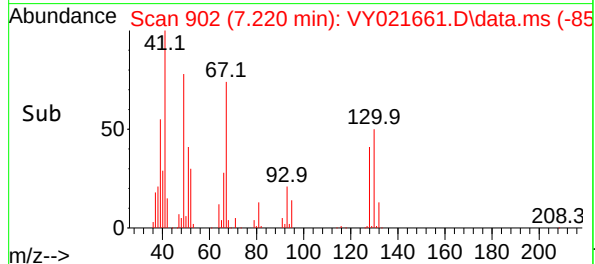
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 143387
Ion Ratio Lower Upper
41 100
39 54.1 0.0 0.0
67 75.9 0.0 0.0
52 32.1 0.0 0.0

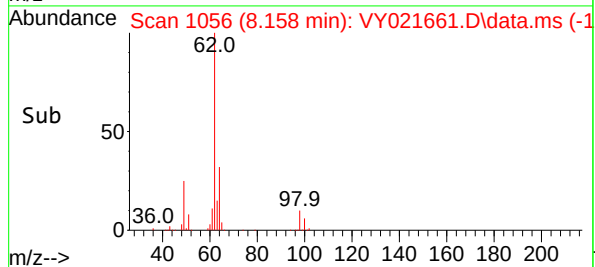
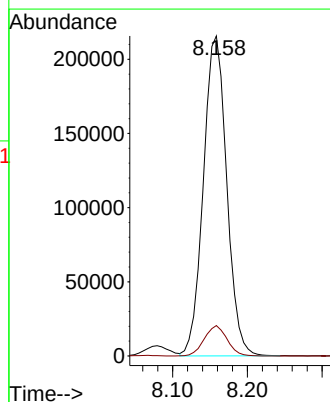
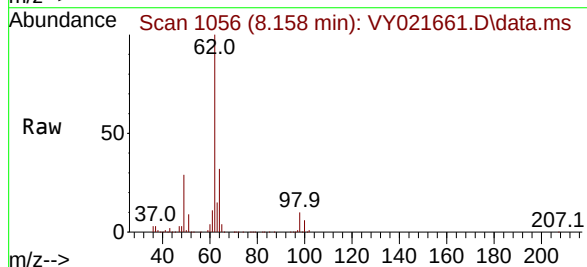
Manual Integrations
APPROVED

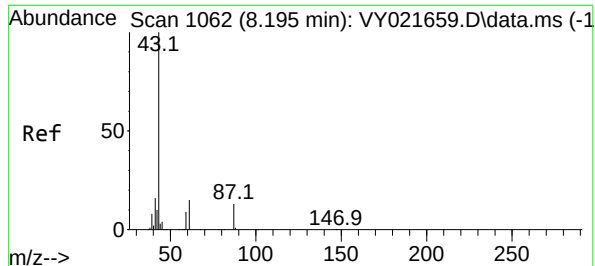
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 136.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 468317
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 144.731 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 527310

Ion Ratio Lower Upper

43 100

61 29.7 15.9 23.9

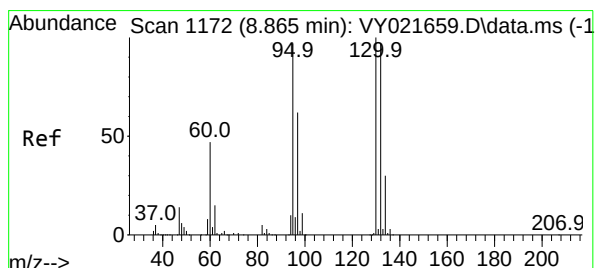
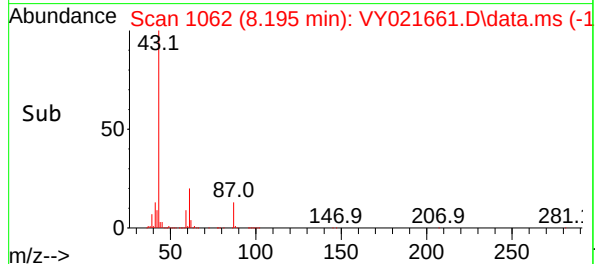
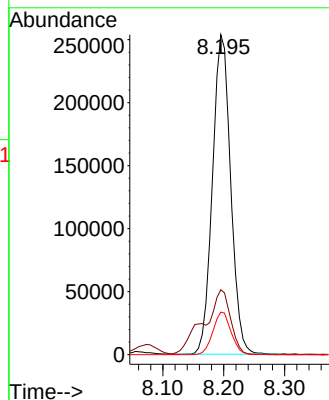
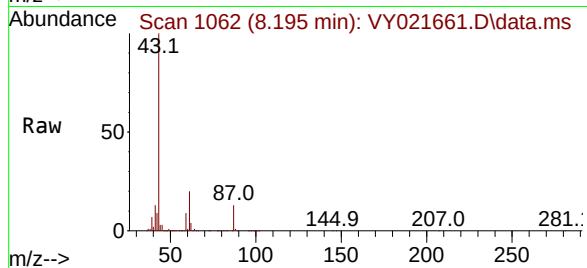
87 13.3 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 138.536 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021661.D

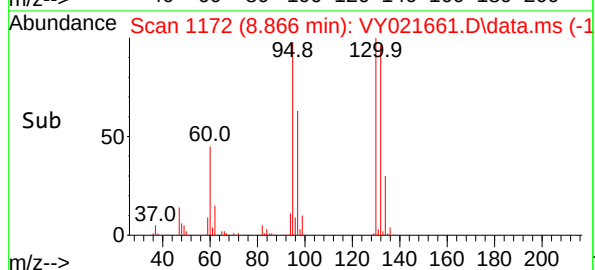
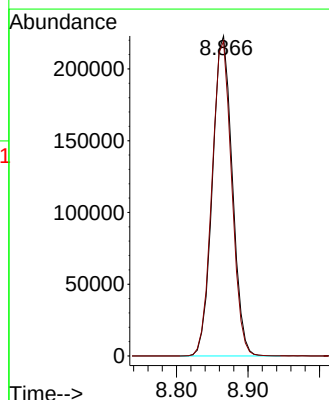
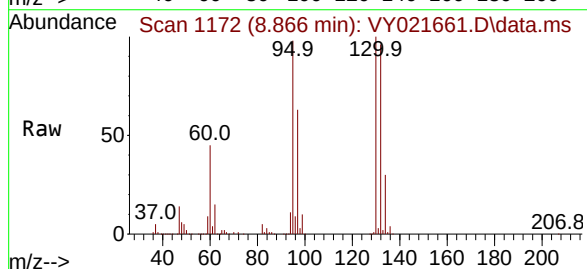
Acq: 27 Mar 2025 12:02

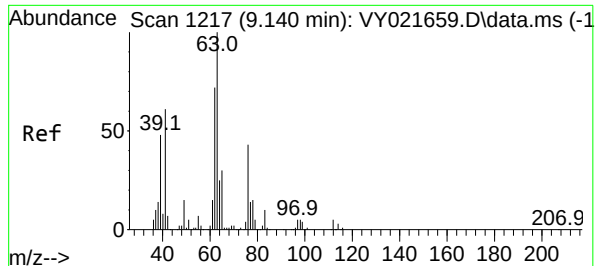
Tgt Ion:130 Resp: 430629

Ion Ratio Lower Upper

130 100

95 98.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 139.191 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 40195

Ion Ratio Lower Upper

63 100

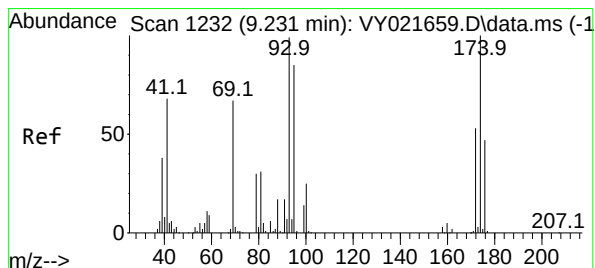
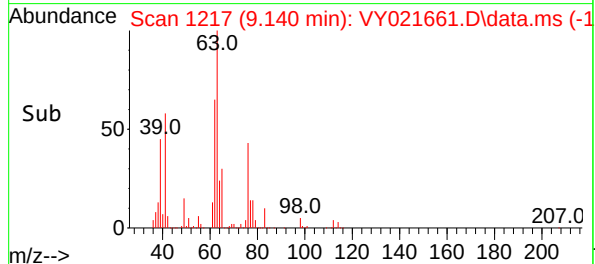
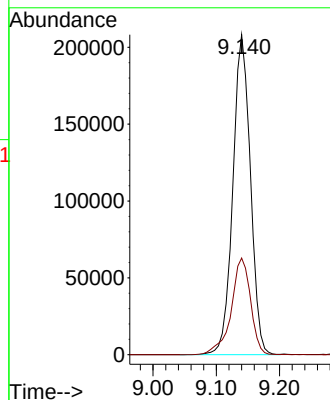
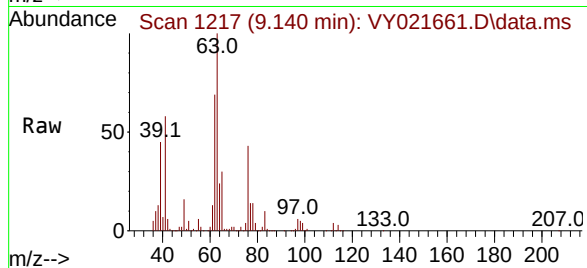
65 30.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 137.167 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

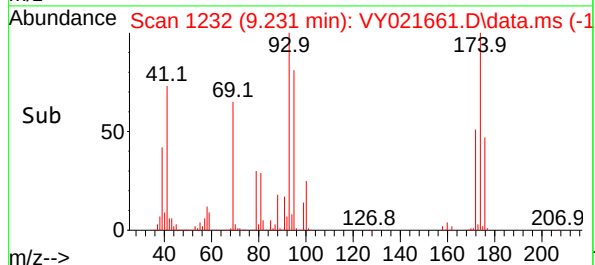
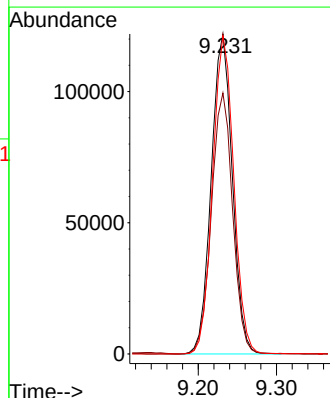
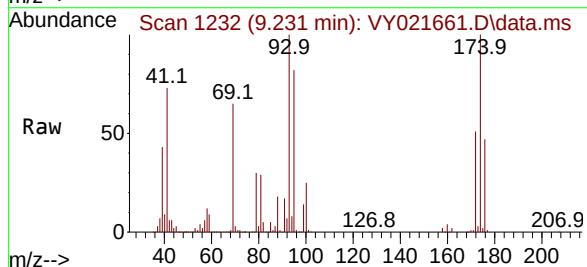
Tgt Ion: 93 Resp: 228287

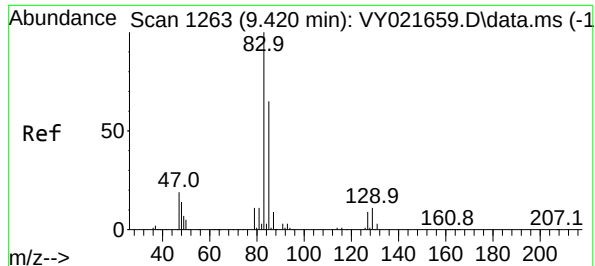
Ion Ratio Lower Upper

93 100

95 82.1 68.1 102.1

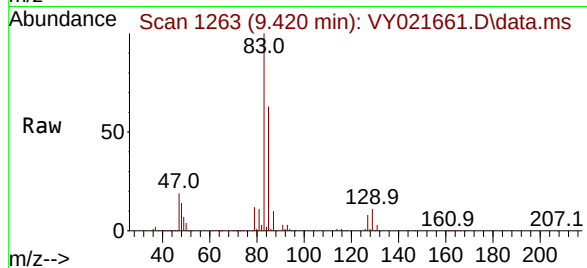
174 99.7 80.9 121.3





#47
Bromodichloromethane
Concen: 138.764 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

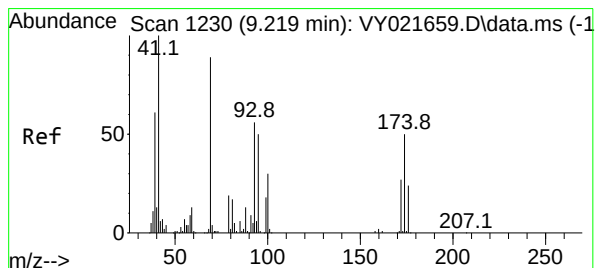
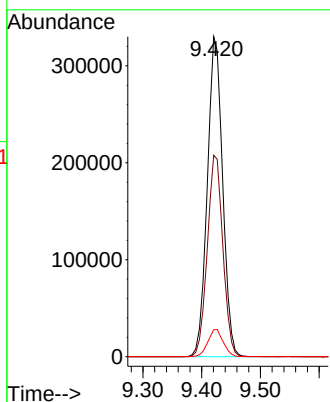
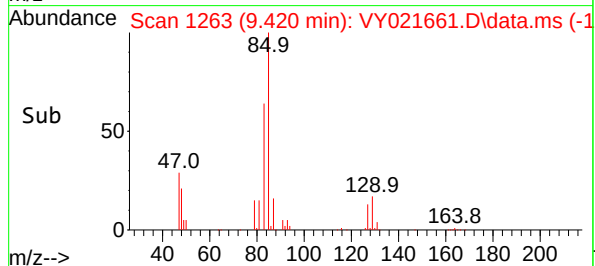
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 59842
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6
127 8.4 6.8 10.2

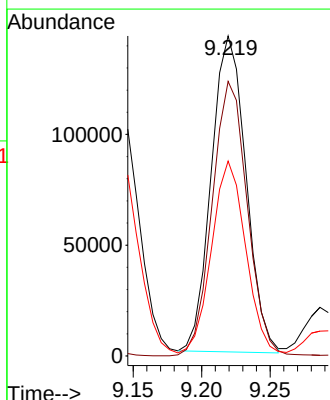
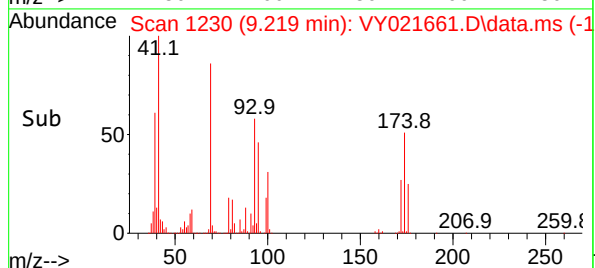
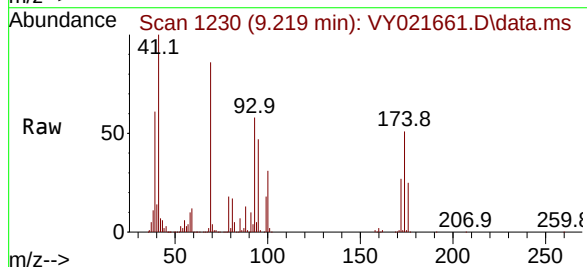
Manual Integrations
APPROVED

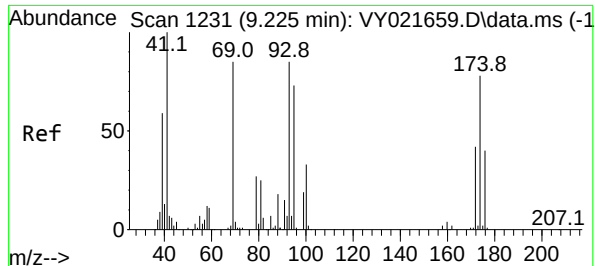
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48
Methyl methacrylate
Concen: 150.306 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 251339
Ion Ratio Lower Upper
41 100
69 88.1 69.8 104.8
39 59.6 47.2 70.8





#49

1,4-Dioxane

Concen: 2991.658 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 53338

Ion Ratio Lower Upper

88 100

43 33.6 28.8 43.2

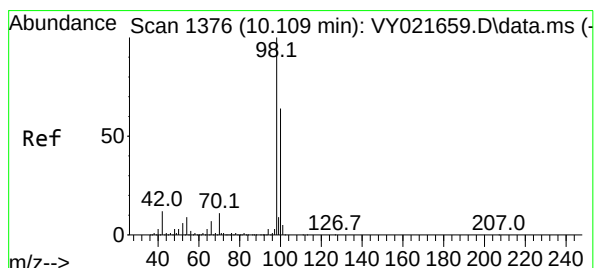
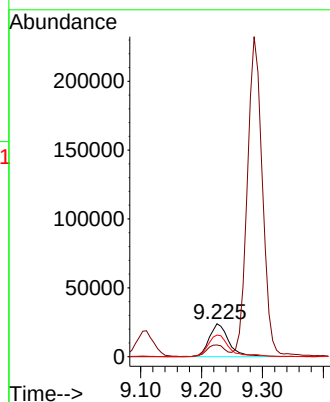
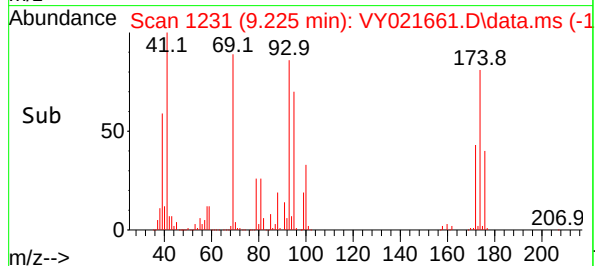
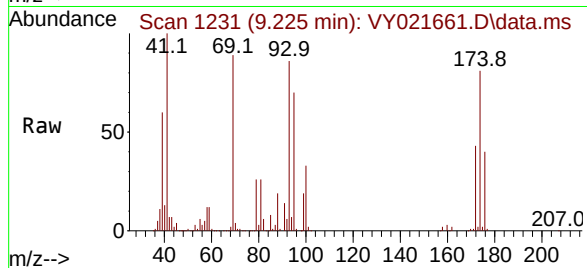
58 67.8 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 146.020 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021661.D

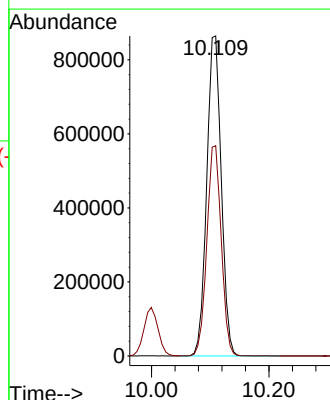
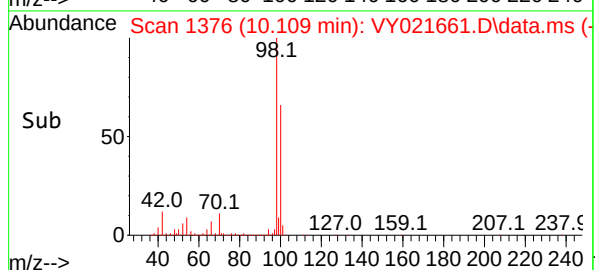
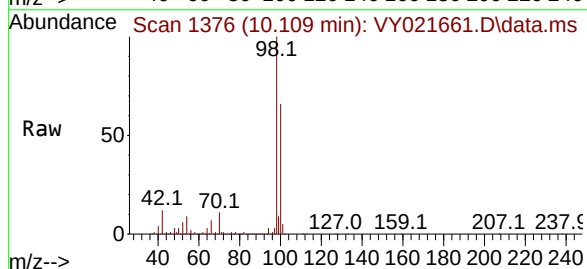
Acq: 27 Mar 2025 12:02

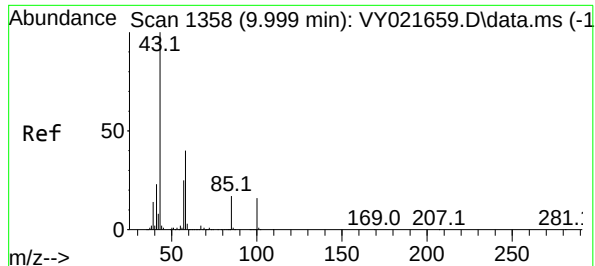
Tgt Ion: 98 Resp: 1485725

Ion Ratio Lower Upper

98 100

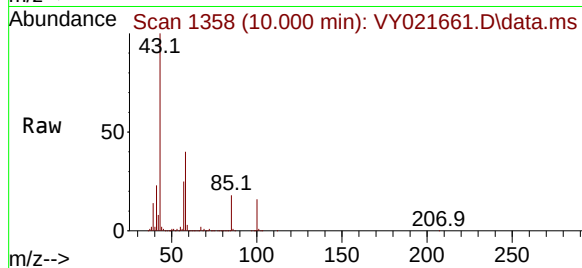
100 65.1 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 737.160 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

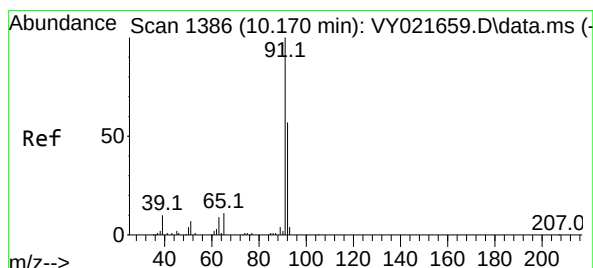
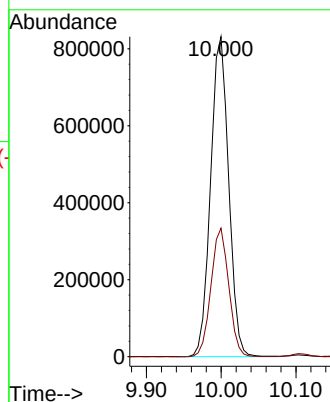
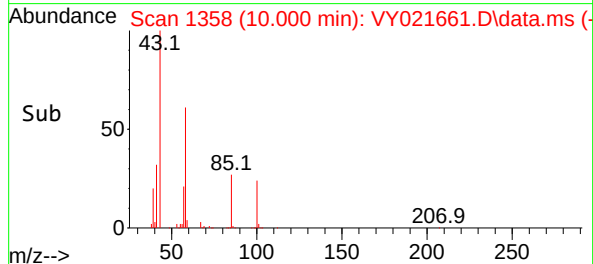
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1397678
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

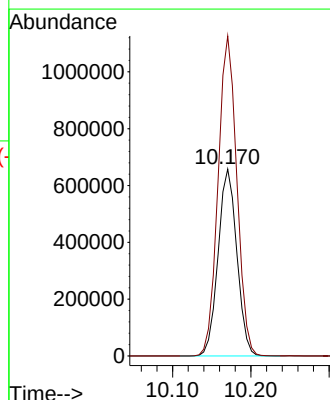
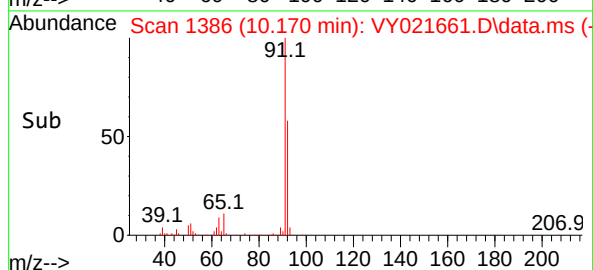
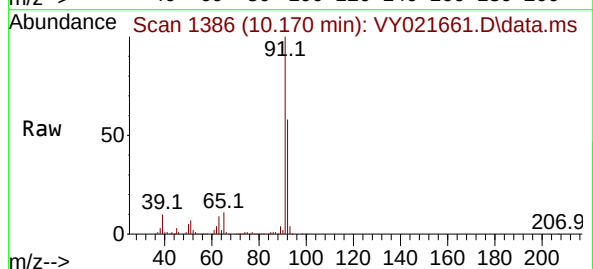
Manual Integrations
APPROVED

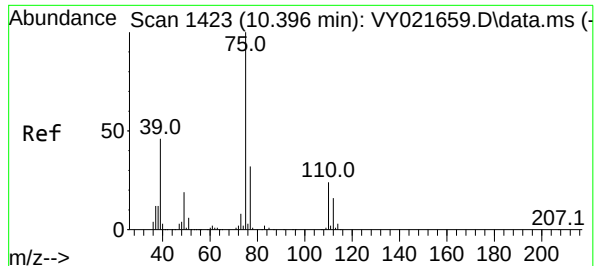
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 92 Resp: 1094229
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8





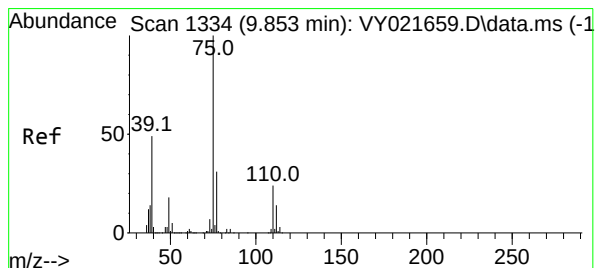
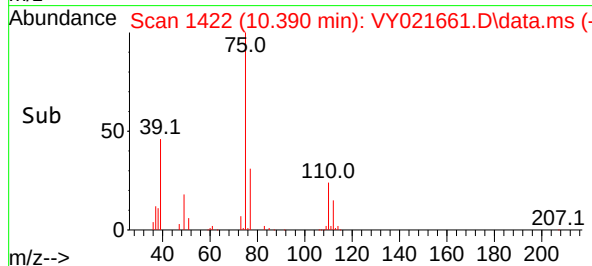
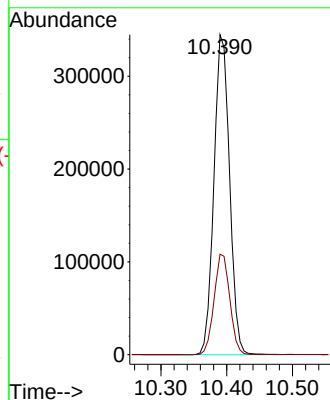
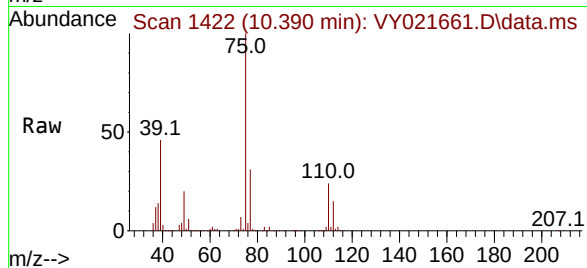
#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 570388
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

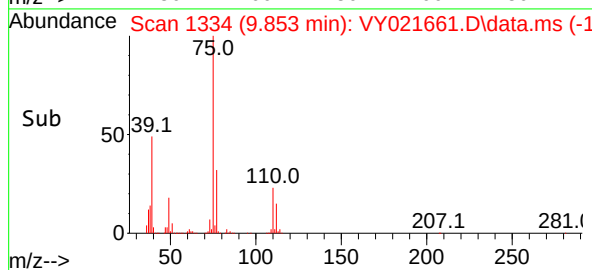
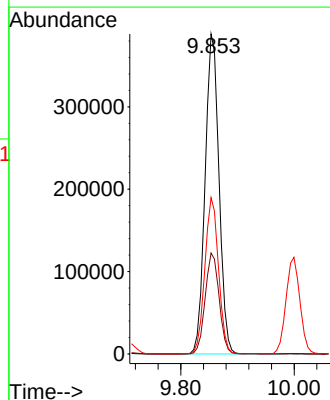
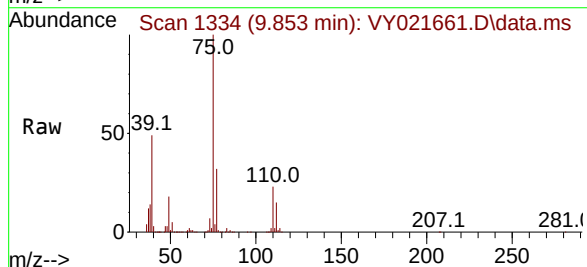
Manual Integrations
APPROVED

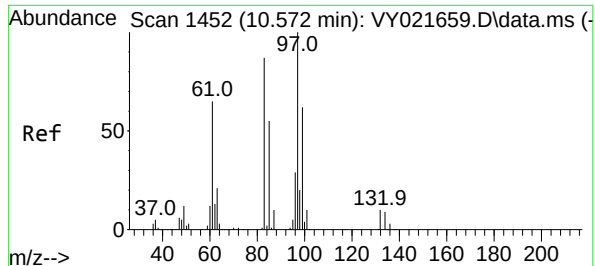
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 660476
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.8 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 138.396 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 296412

Ion Ratio Lower Upper

97 100

83 87.3 69.5 104.3

85 55.8 43.9 65.9

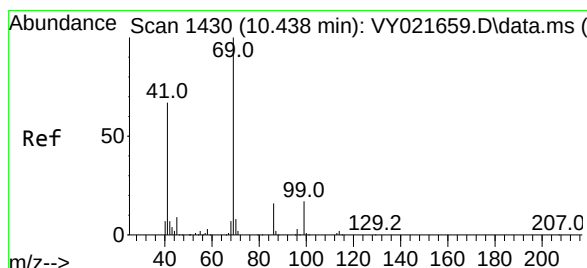
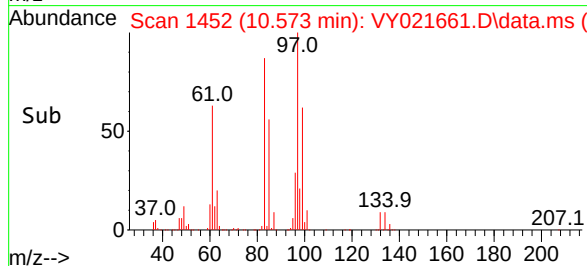
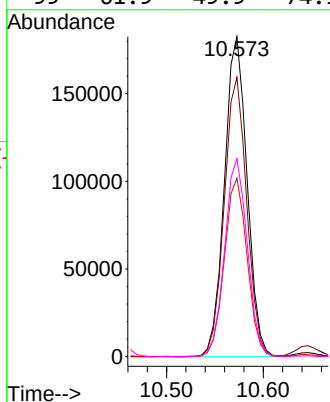
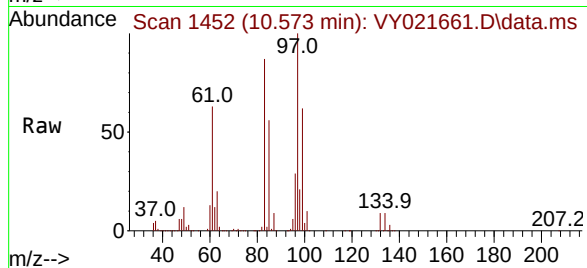
99 61.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#56

Ethyl methacrylate

Concen: 162.176 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

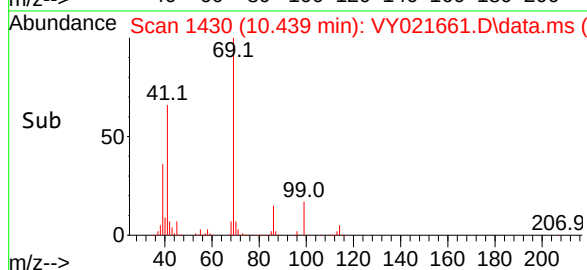
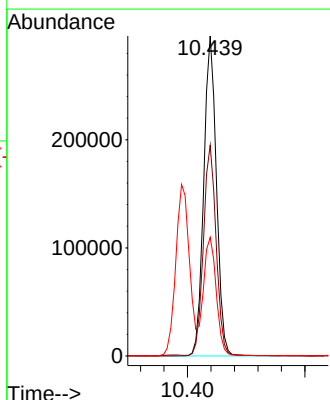
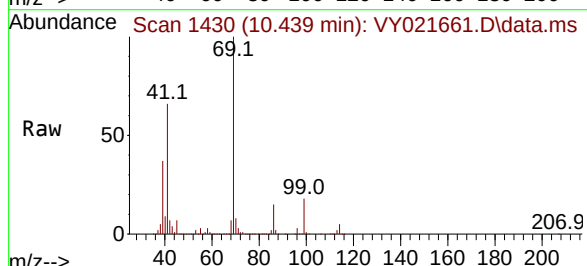
Tgt Ion: 69 Resp: 443517

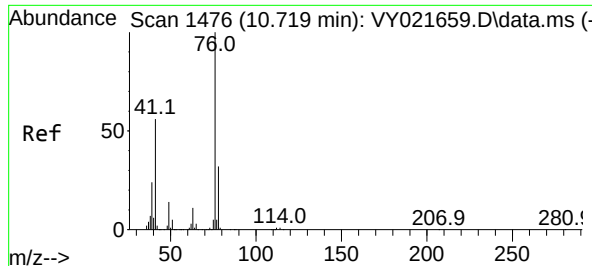
Ion Ratio Lower Upper

69 100

41 66.0 53.8 80.6

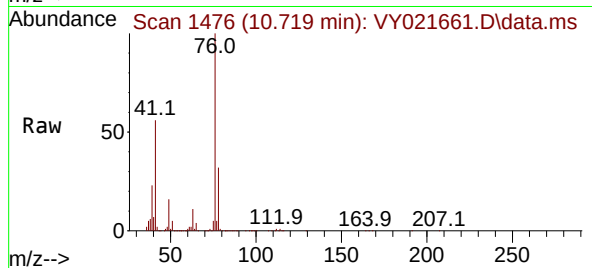
39 37.9 29.6 44.4





#57
1,3-Dichloropropane
Concen: 139.961 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

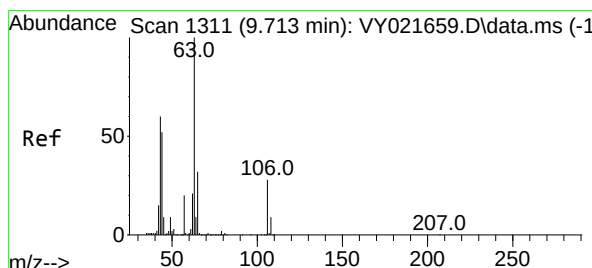
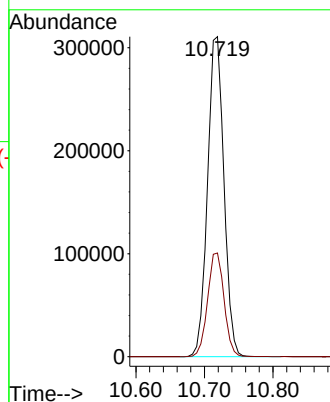
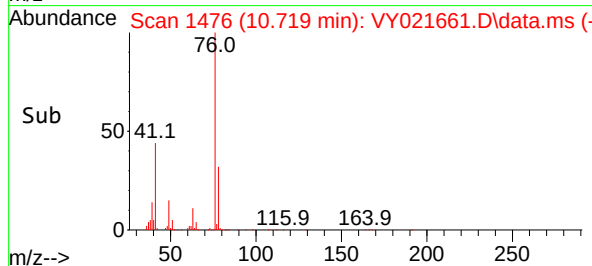
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 517700
Ion Ratio Lower Upper
76 100
78 32.6 25.8 38.8

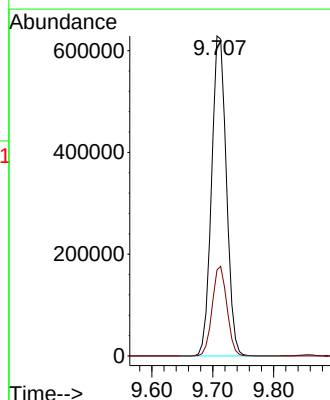
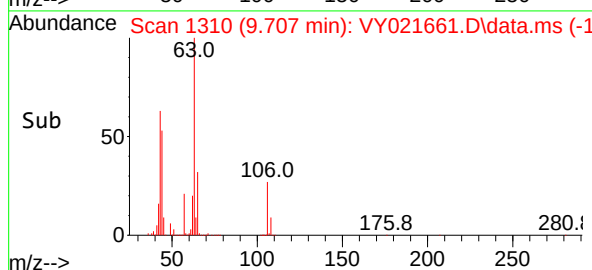
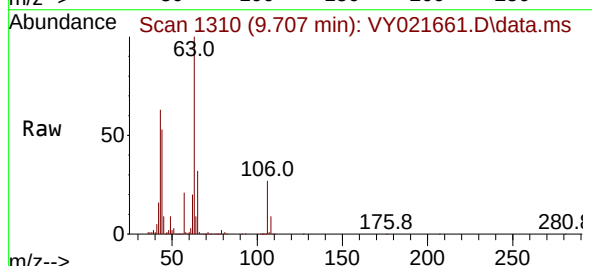
Manual Integrations
APPROVED

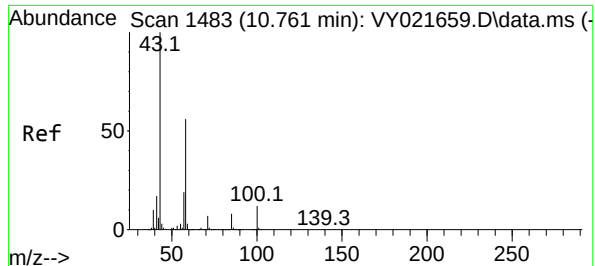
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 795.867 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

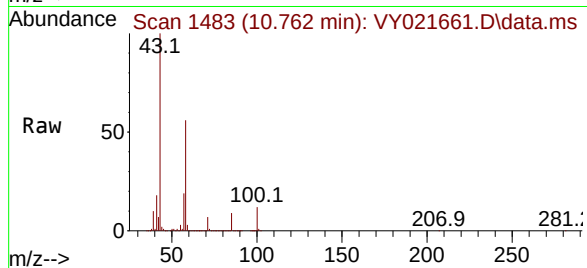
Tgt Ion: 63 Resp: 1061779
Ion Ratio Lower Upper
63 100
106 27.8 22.4 33.6





#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

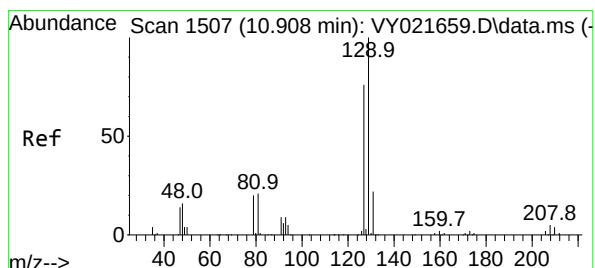
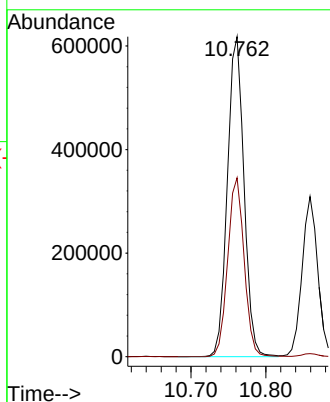
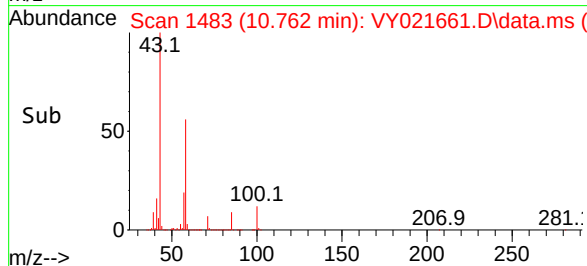
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 95505
Ion Ratio Lower Upper
43 100
58 55.4 27.2 81.5

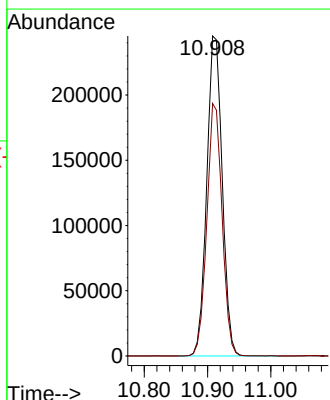
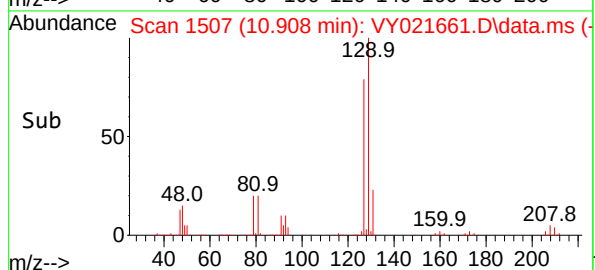
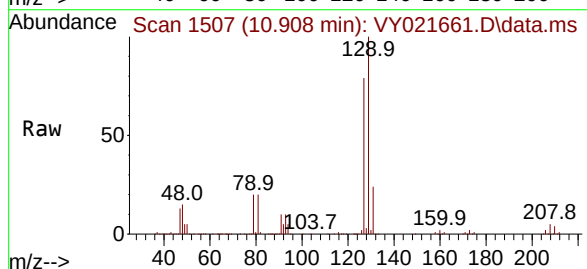
Manual Integrations
APPROVED

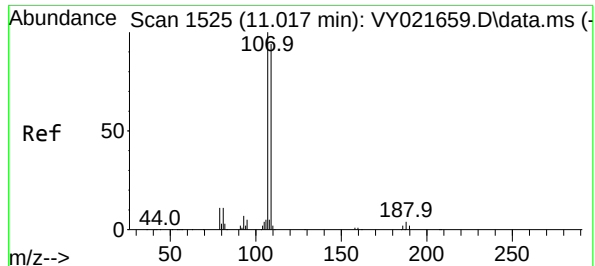
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

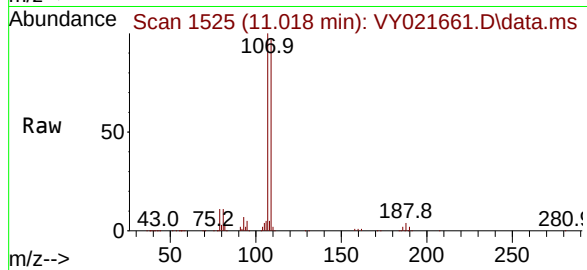
Tgt Ion:129 Resp: 417230
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

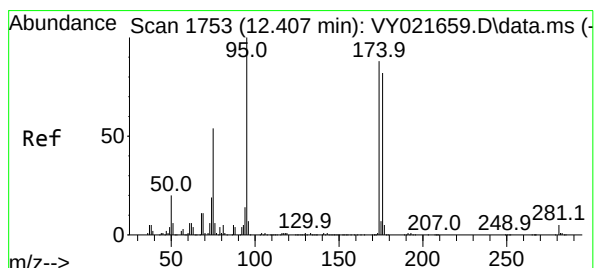
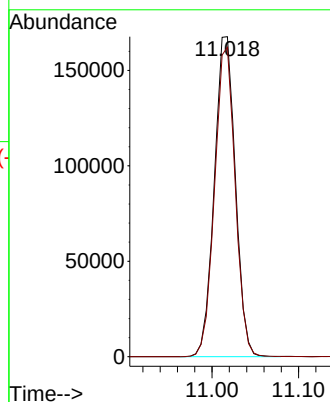
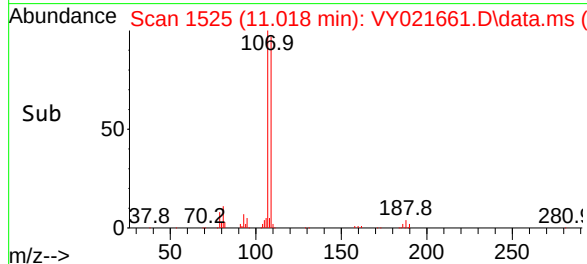
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 28345
Ion Ratio Lower Upper
107 100
109 94.7 74.4 111.6

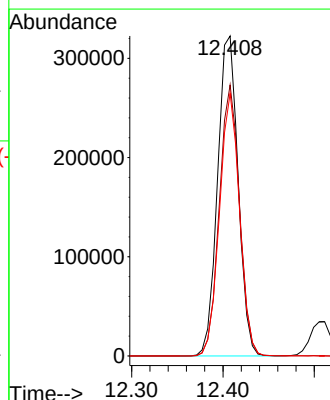
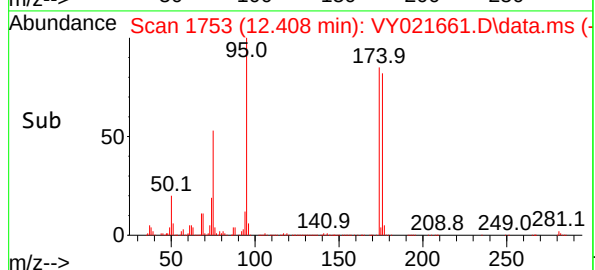
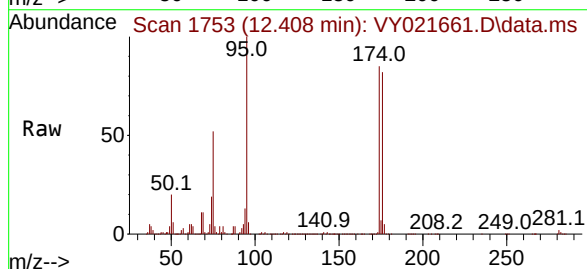
Manual Integrations
APPROVED

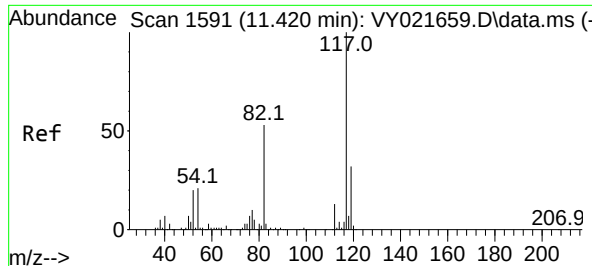
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.8
176 80.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 36728

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

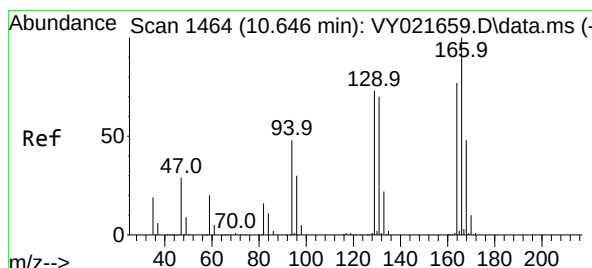
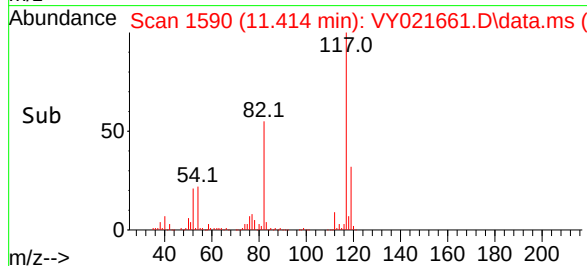
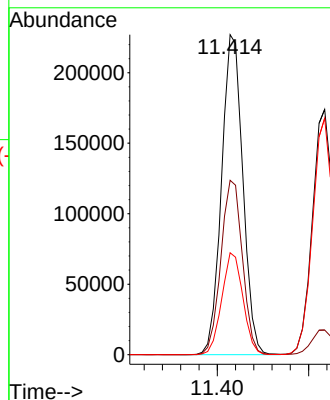
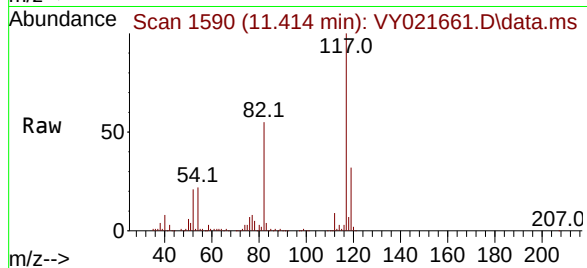
119 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#64

Tetrachloroethene

Concen: 125.966 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

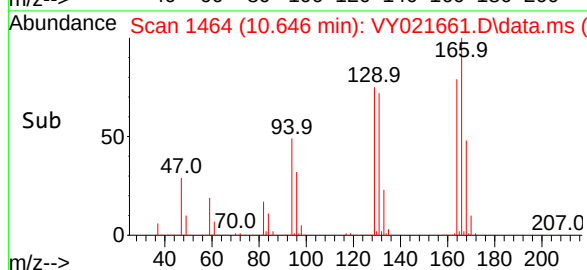
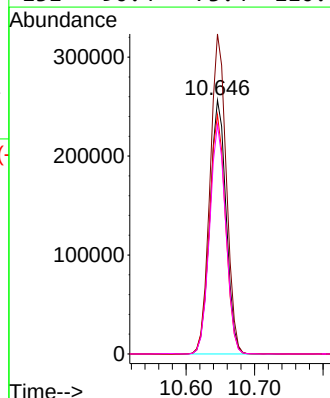
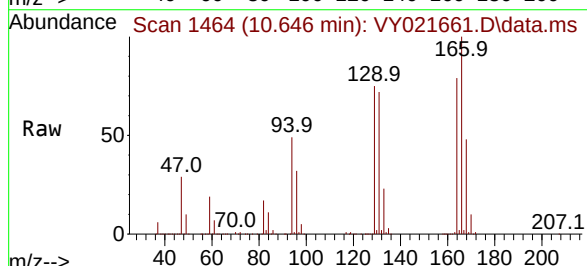
Ion Ratio Lower Upper

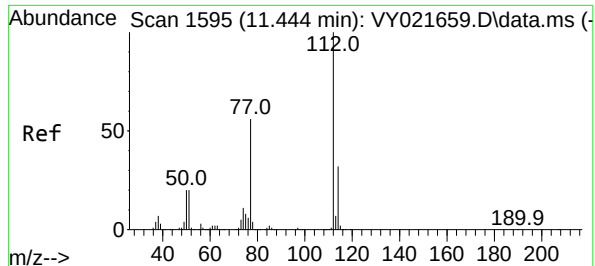
164 100

166 126.1 104.6 156.8

129 94.3 76.6 114.8

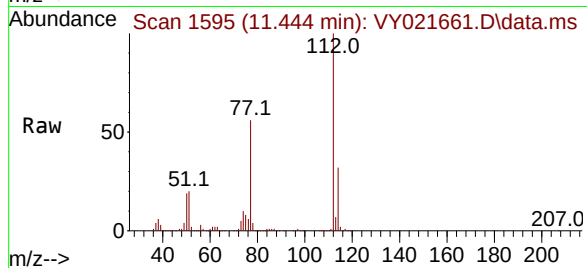
131 90.4 73.4 110.0





#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

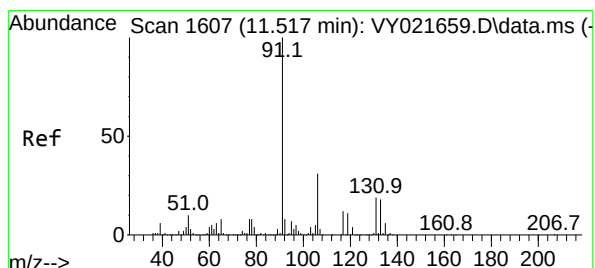
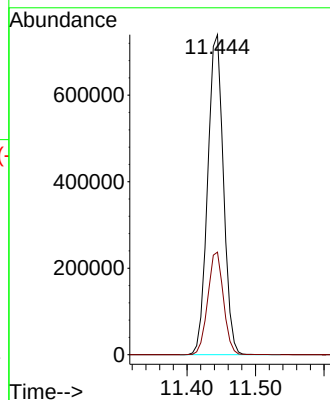
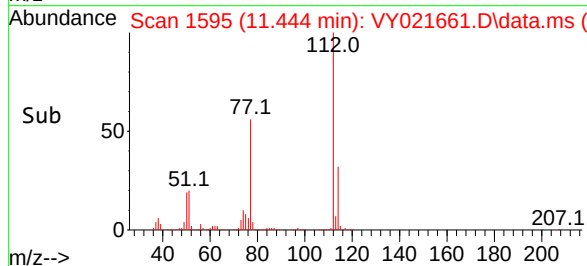
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 1182770
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

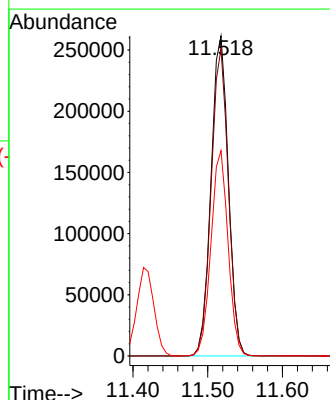
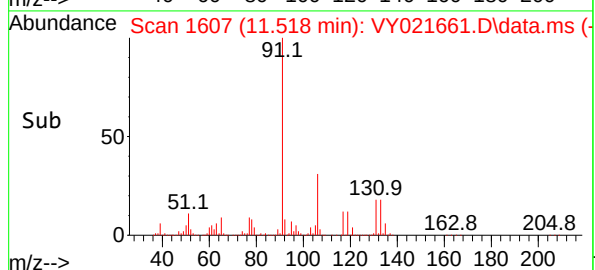
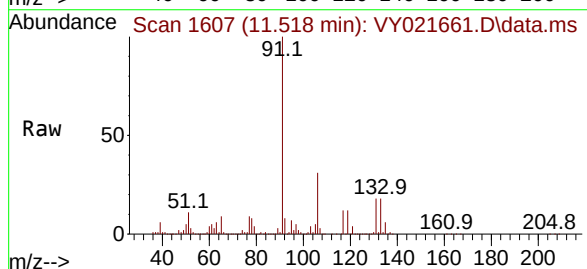
Manual Integrations
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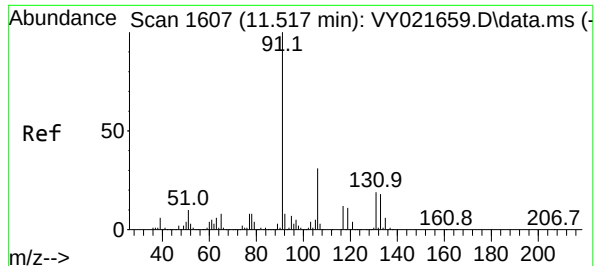
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:131 Resp: 420924
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.4 31.6 95.0





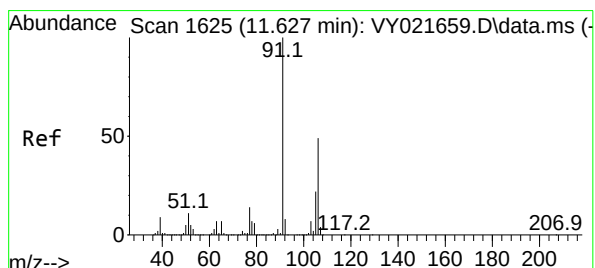
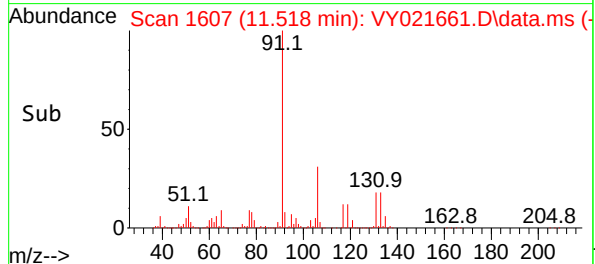
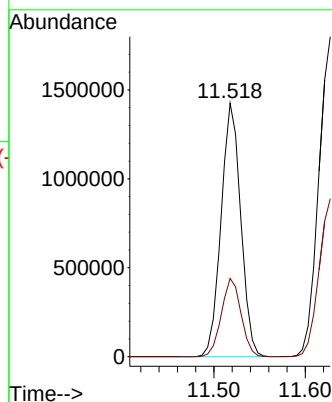
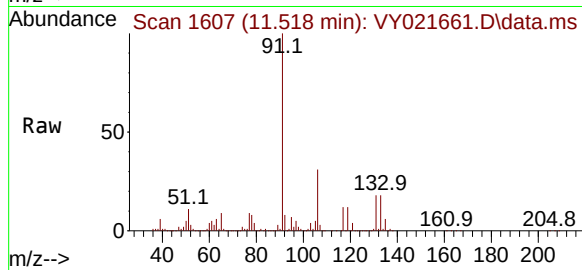
#67
Ethyl Benzene
Concen: 147.665 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2131884
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

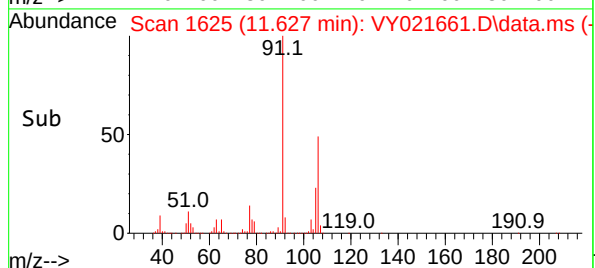
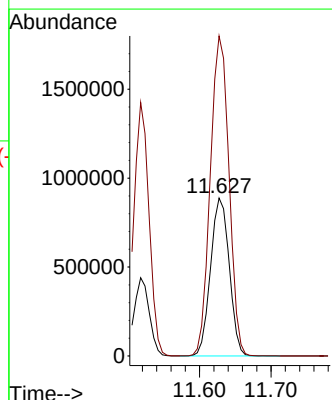
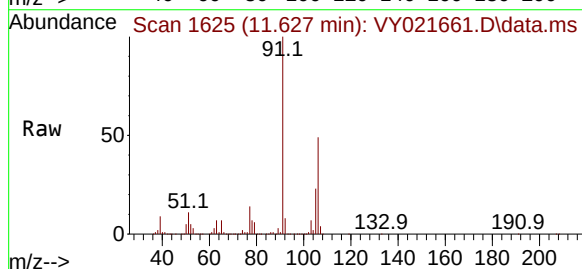
Manual Integrations
APPROVED

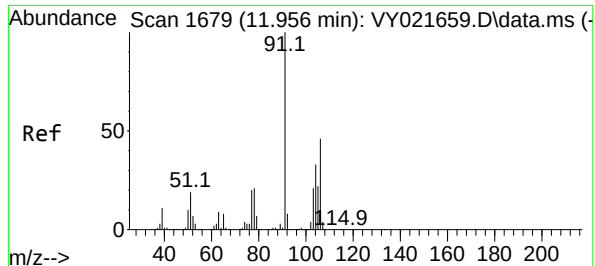
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#68
m/p-Xylenes
Concen: 291.277 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:106 Resp: 1610305
Ion Ratio Lower Upper
106 100
91 203.1 162.4 243.6





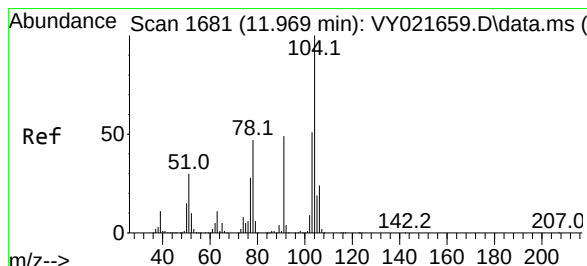
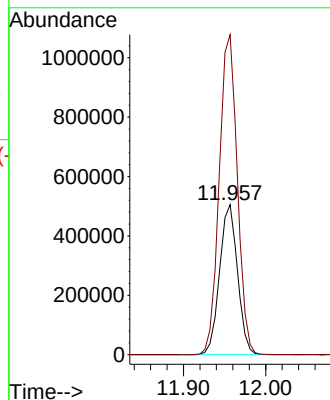
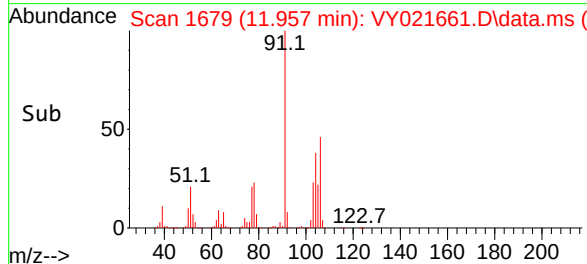
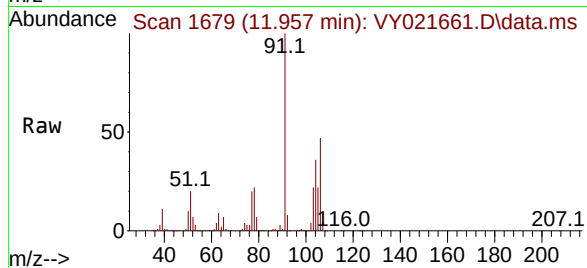
#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 76472
Ion Ratio Lower Upper
106 100
91 216.0 106.7 319.9

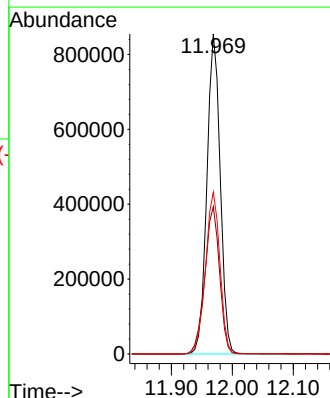
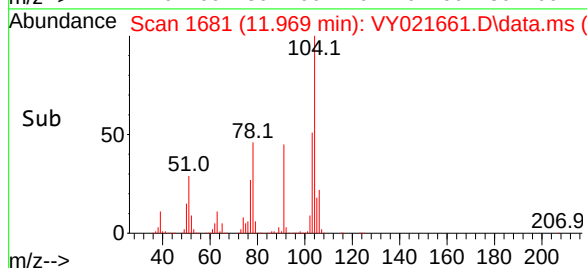
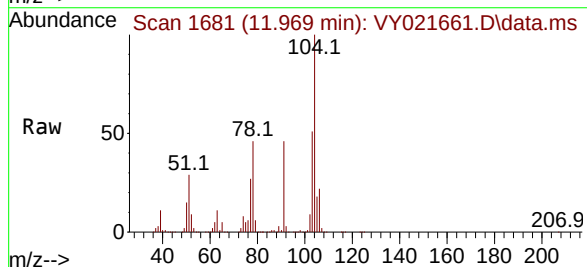
Manual Integrations
APPROVED

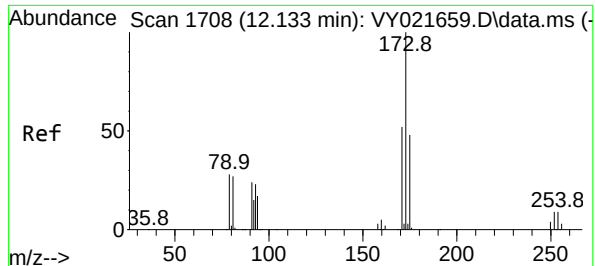
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

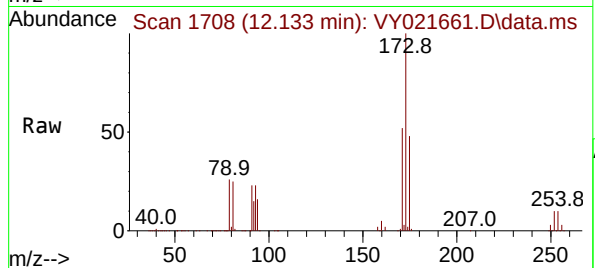
Tgt Ion:104 Resp: 1300778
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 143.224 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

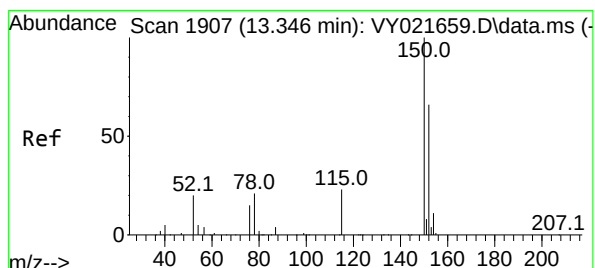
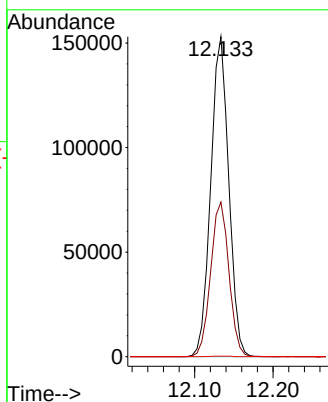
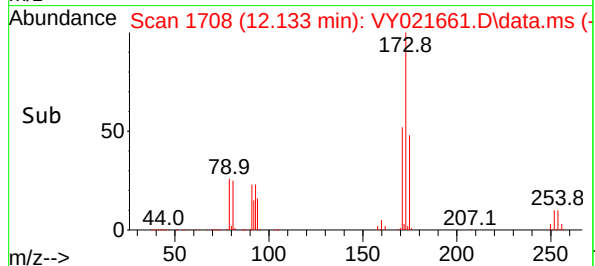
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



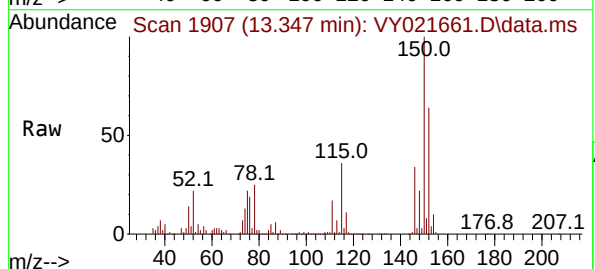
Tgt Ion:173 Resp: 244045
Ion Ratio Lower Upper
173 100
175 49.1 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
APPROVED

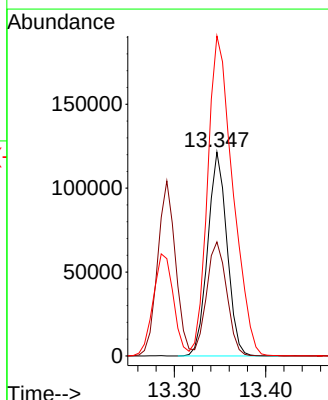
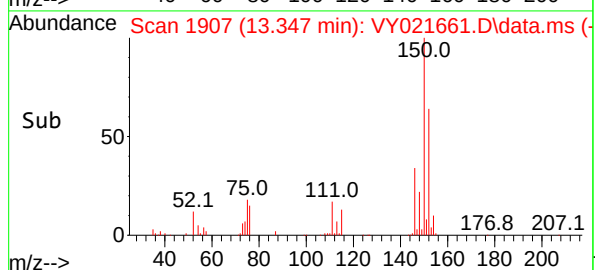
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

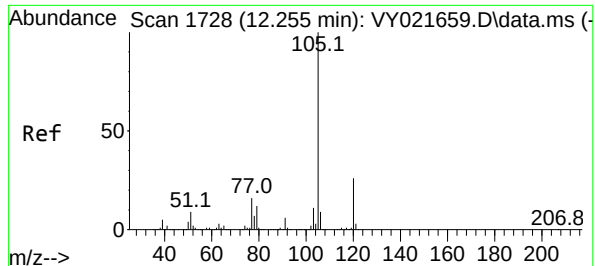


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



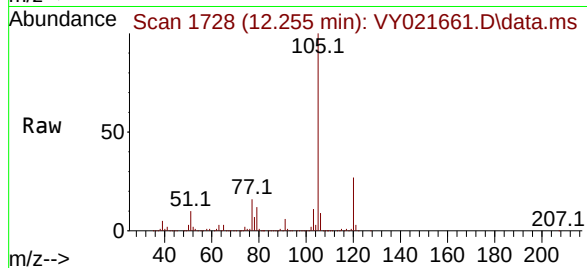
Tgt Ion:152 Resp: 177289
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 205.3 0.0 348.4





#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

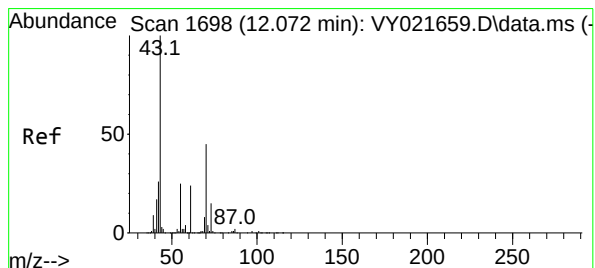
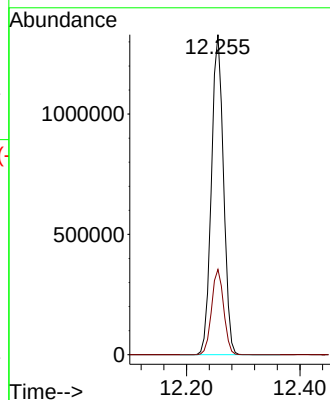
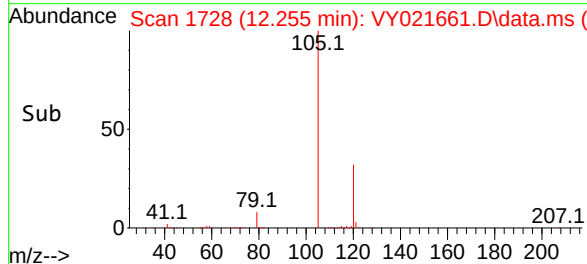
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 1969094
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

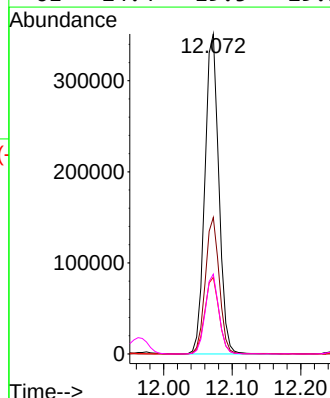
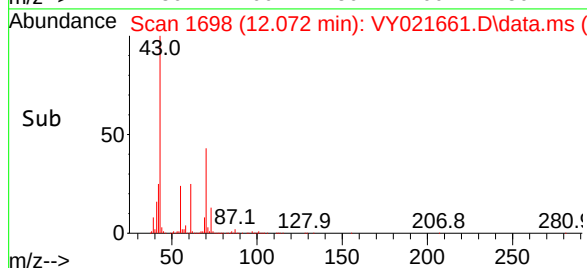
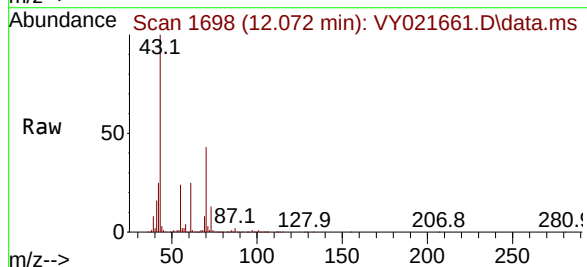
Manual Integrations
APPROVED

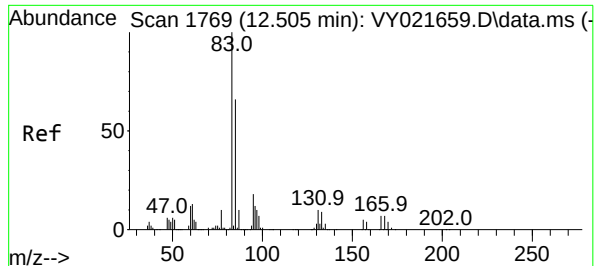
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

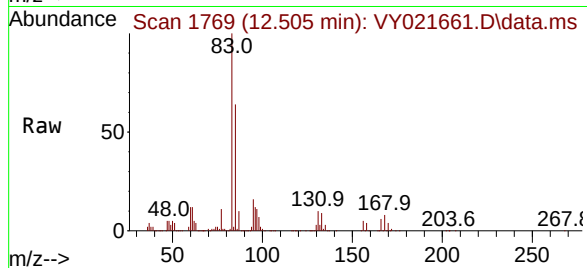
Tgt Ion: 43 Resp: 498903
Ion Ratio Lower Upper
43 100
70 42.6 34.7 52.1
55 24.5 21.2 31.8
61 24.4 19.5 29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

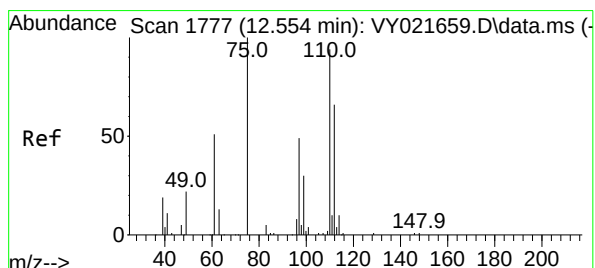
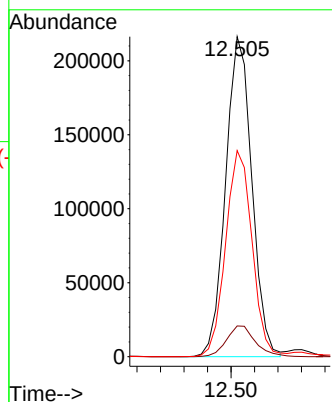
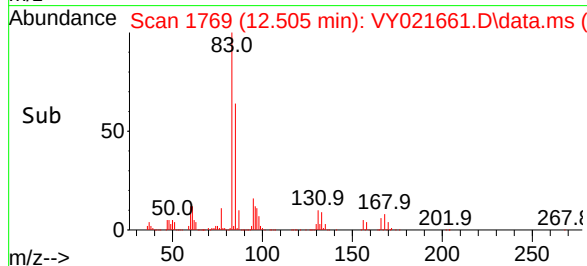
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 33548
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 65.1 32.3 96.8

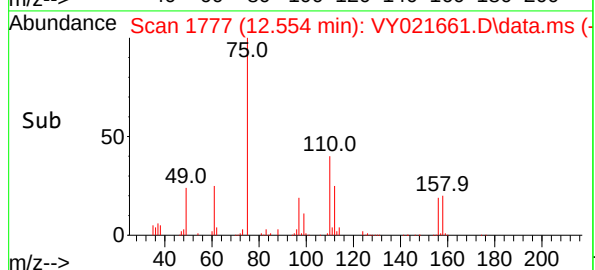
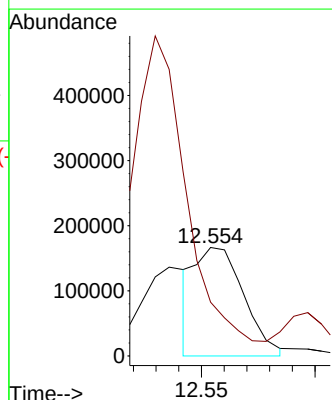
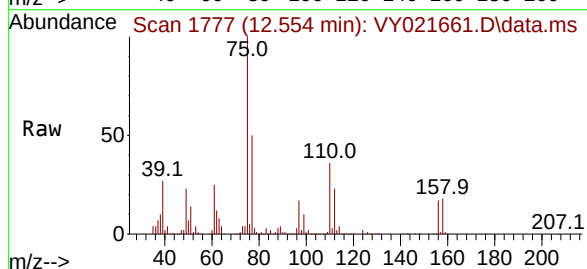
Manual Integrations
APPROVED

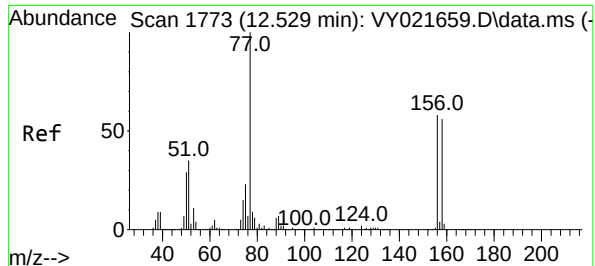
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 142.174 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 249855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





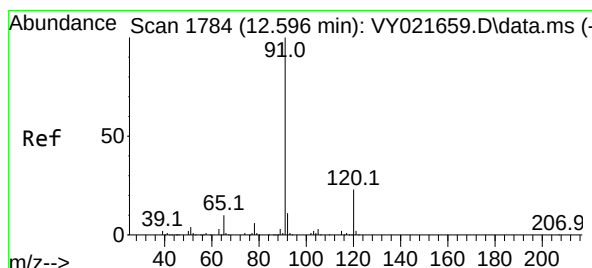
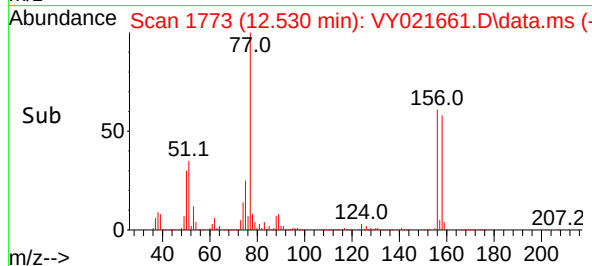
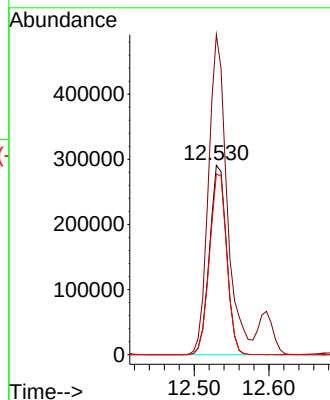
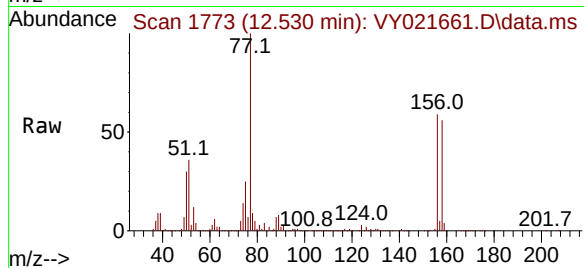
#77
Bromobenzene
Concen: 145.881 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 46122
Ion Ratio Lower Upper
156 100
77 184.1 92.8 278.3
158 96.6 48.5 145.6

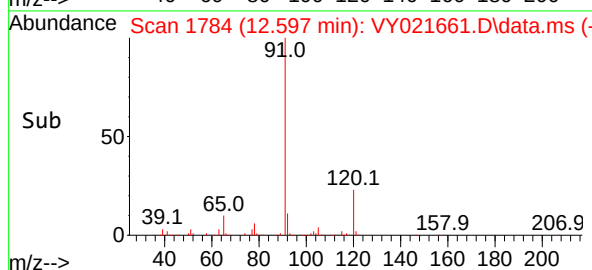
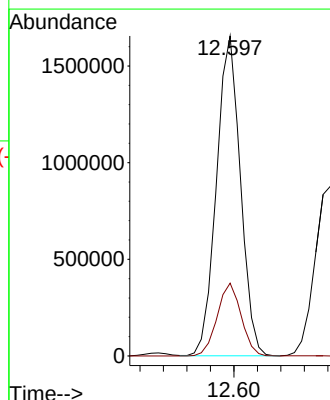
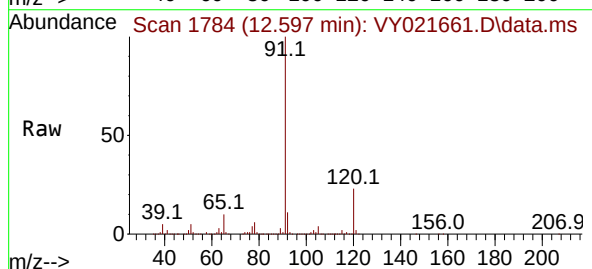
Manual Integrations
APPROVED

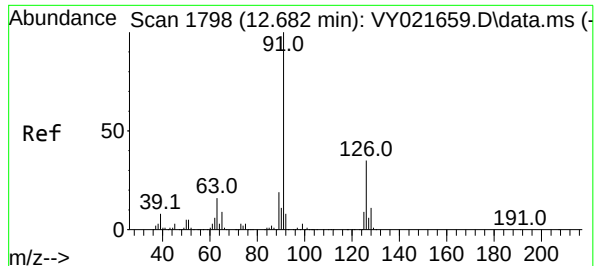
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 148.082 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 2344286
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





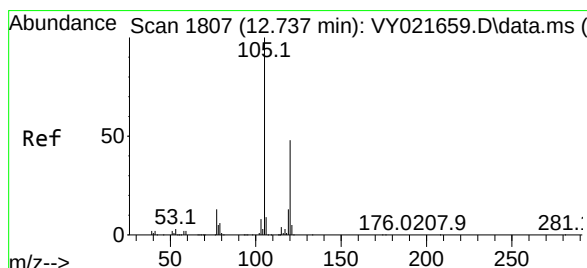
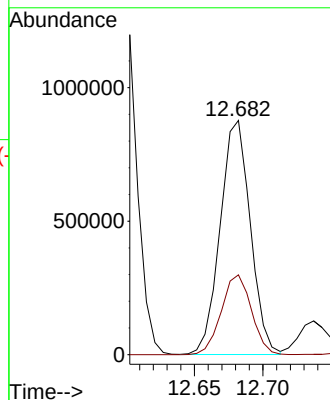
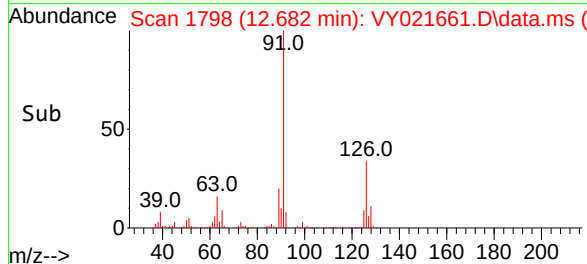
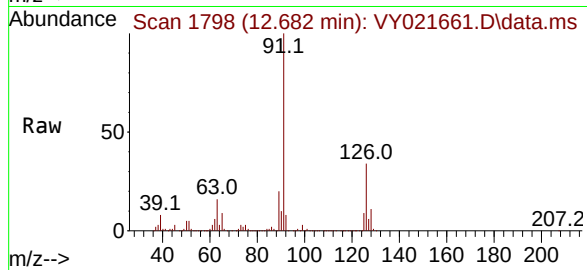
#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1343328
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0

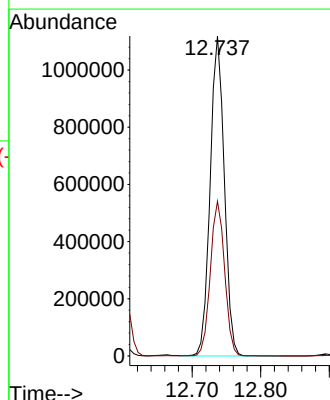
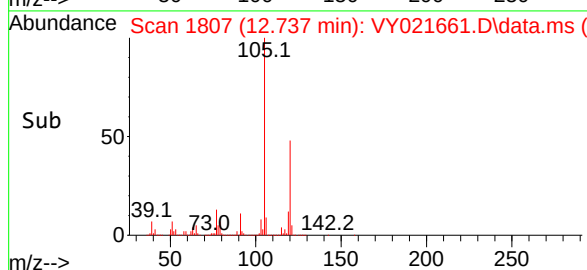
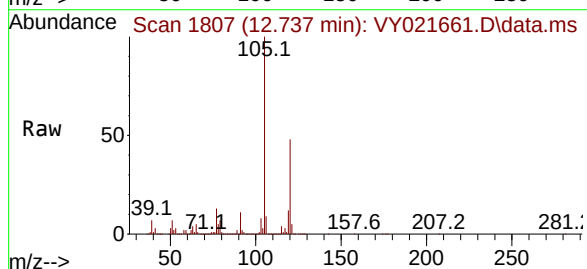
Manual Integrations
APPROVED

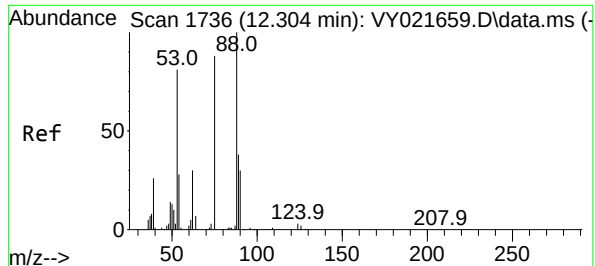
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 149.397 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

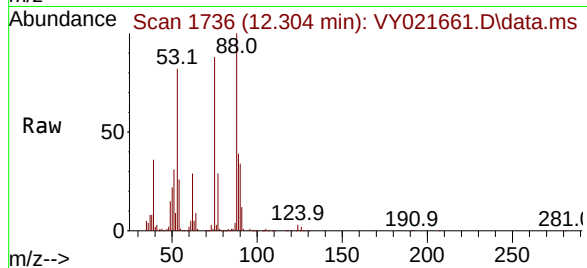
Tgt Ion:105 Resp: 1607812
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

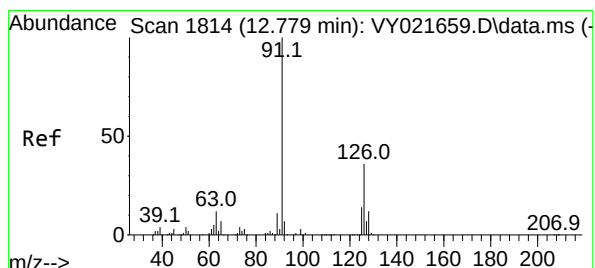
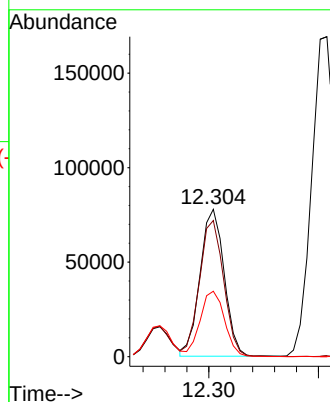
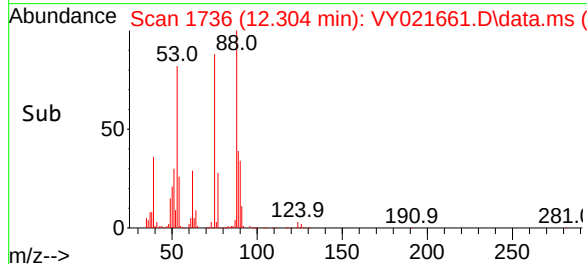
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 119080
Ion Ratio Lower Upper
75 100
53 93.4 76.1 114.1
89 44.8 36.2 54.4

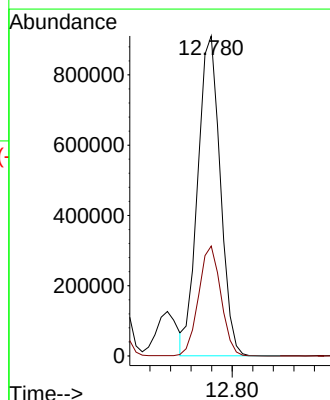
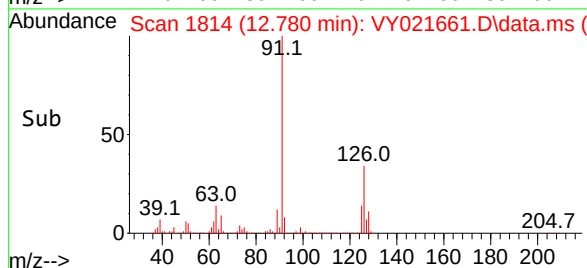
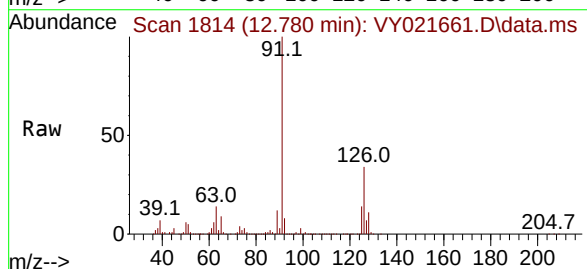
Manual Integrations
APPROVED

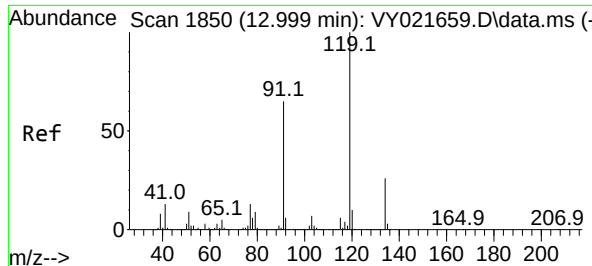
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

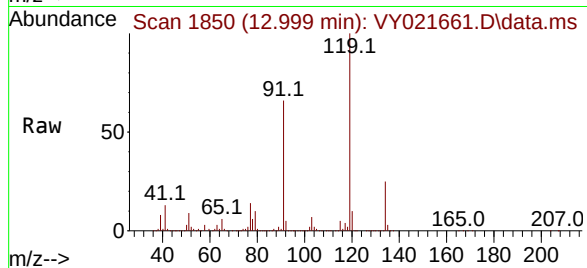
Tgt Ion: 91 Resp: 1386233
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83
tert-Butylbenzene
Concen: 150.647 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

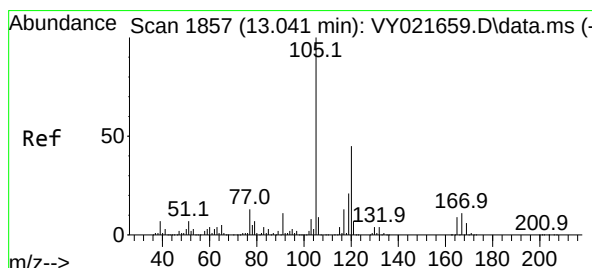
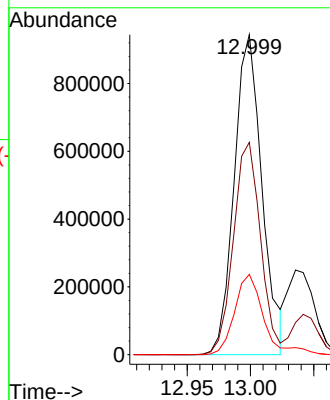
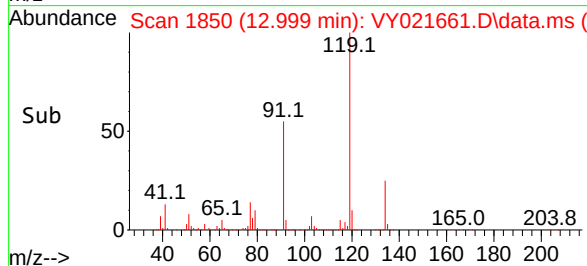
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:119 Resp: 144405
Ion Ratio Lower Upper
119 100
91 64.7 32.6 97.7
134 26.3 13.2 39.6

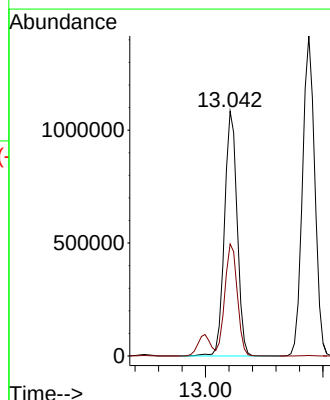
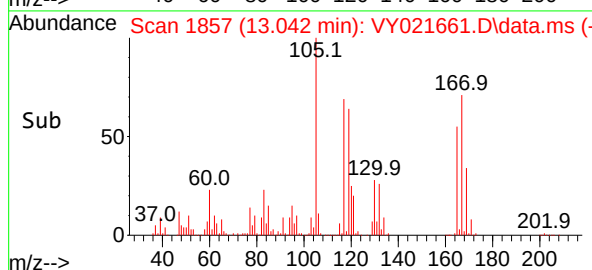
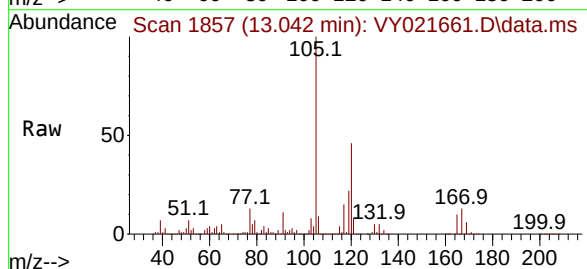
Manual Integrations
APPROVED

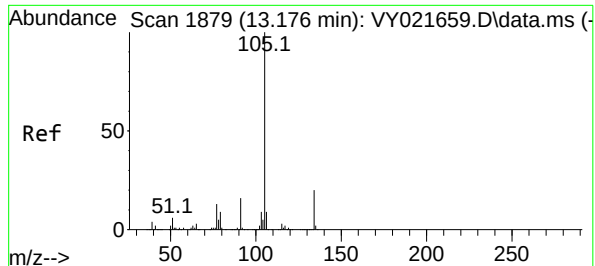
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 152.003 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

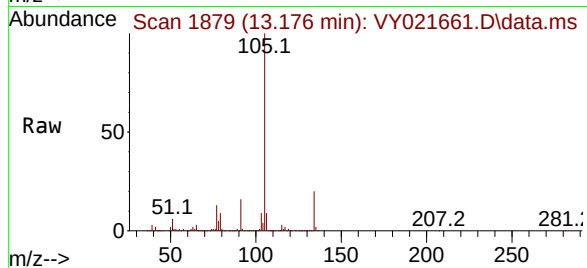
Tgt Ion:105 Resp: 1616812
Ion Ratio Lower Upper
105 100
120 45.2 22.7 68.1





#85
 sec-Butylbenzene
 Concen: 146.493 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

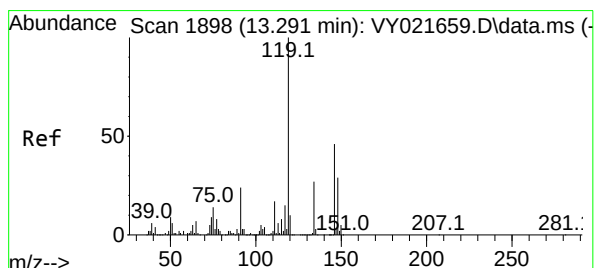
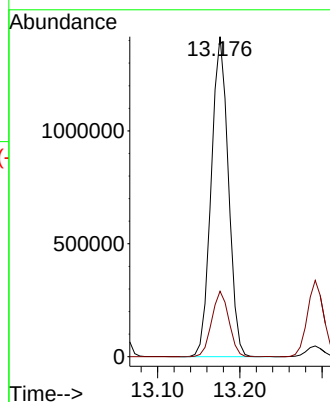
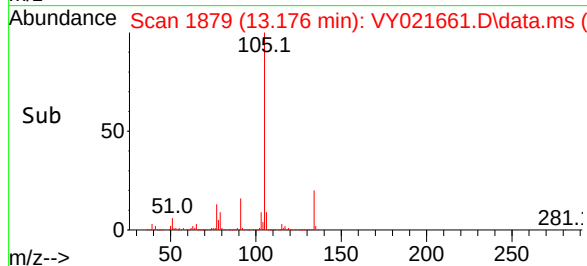
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150



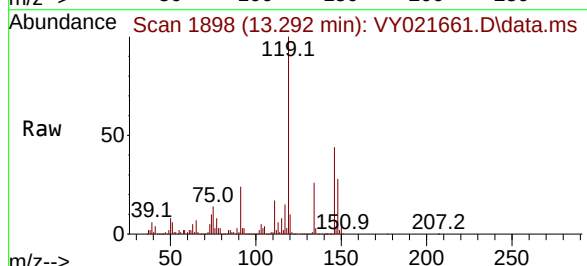
Tgt Ion:105 Resp: 205215
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.1

Manual Integrations
 APPROVED

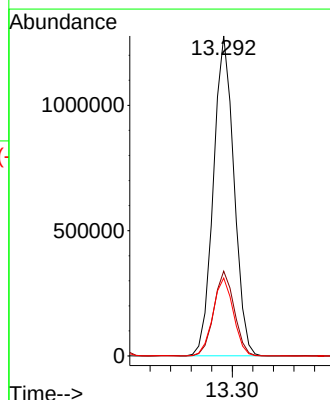
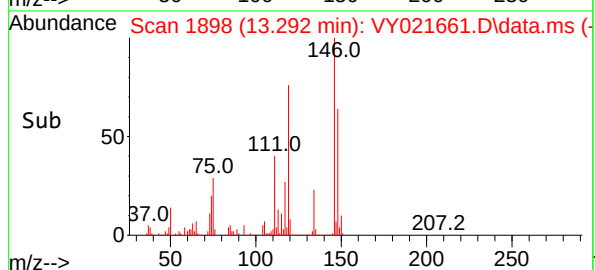
Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

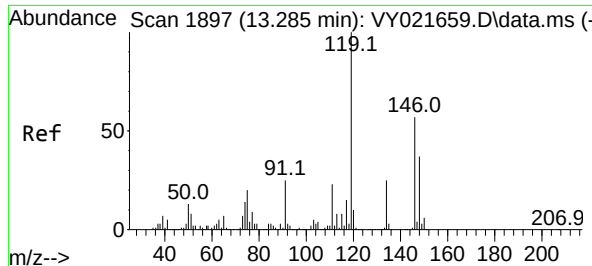


#86
 p-Isopropyltoluene
 Concen: 152.863 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02



Tgt Ion:119 Resp: 1769866
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 144.177 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 898070

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

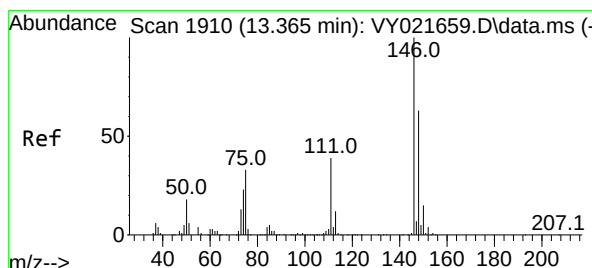
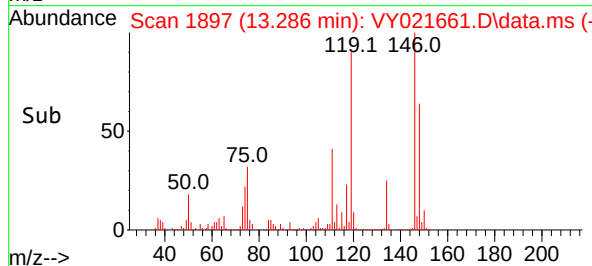
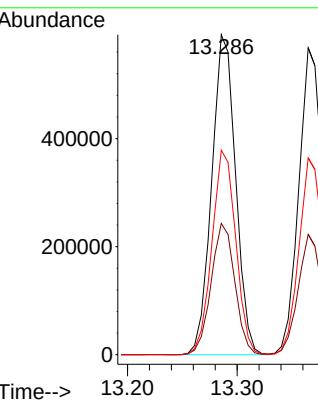
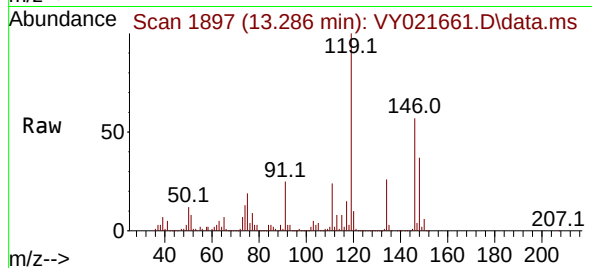
148 63.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 140.489 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

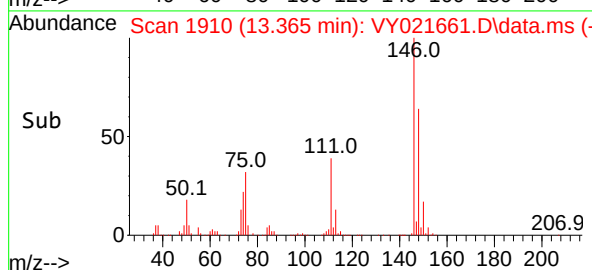
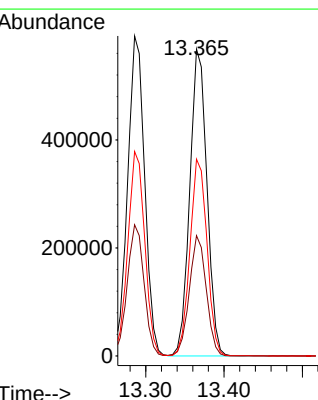
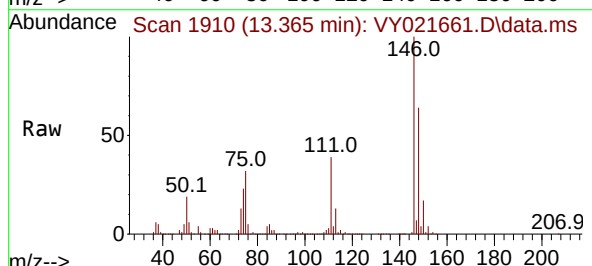
Tgt Ion:146 Resp: 864599

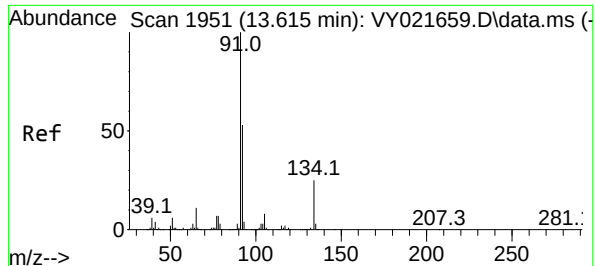
Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

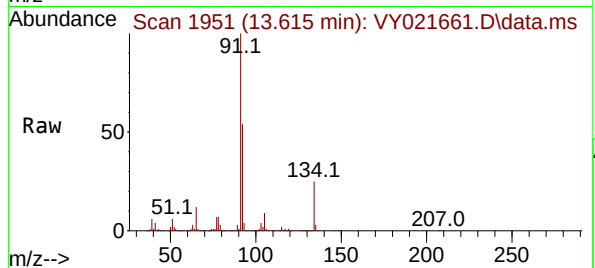
148 63.9 31.5 94.5





#89
n-Butylbenzene
Concen: 150.273 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

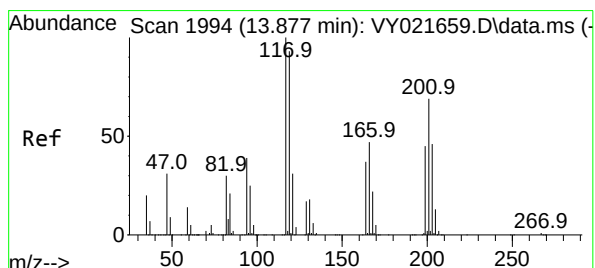
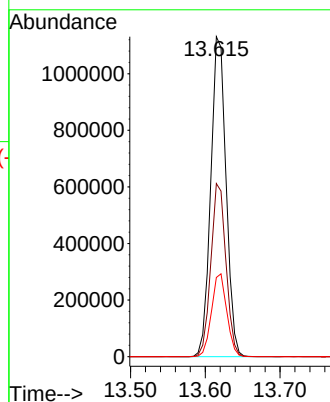
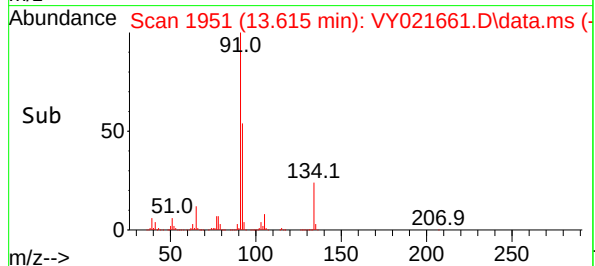
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 91 Resp: 1609064
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.2
134 25.9 12.8 38.4

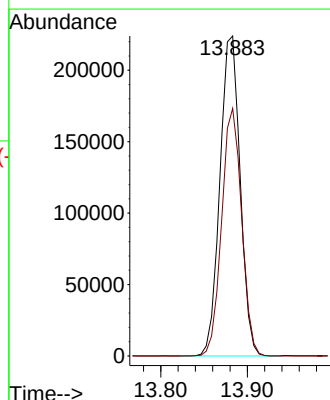
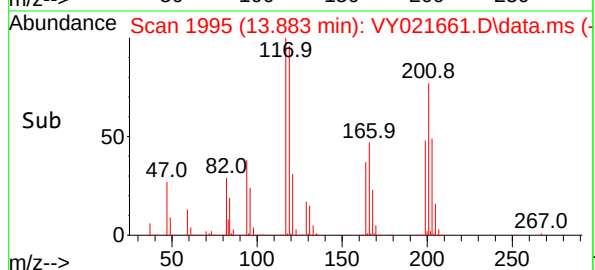
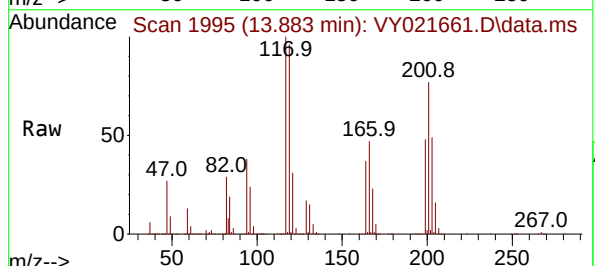
Manual Integrations
APPROVED

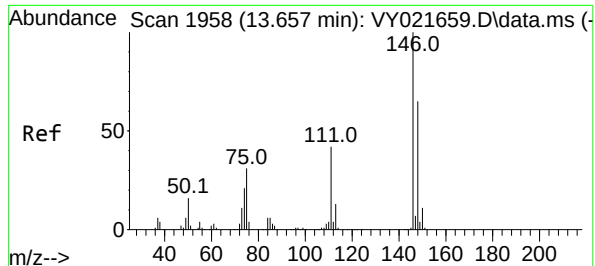
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90
Hexachloroethane
Concen: 143.167 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 363244
Ion Ratio Lower Upper
117 100
201 76.3 37.4 112.1





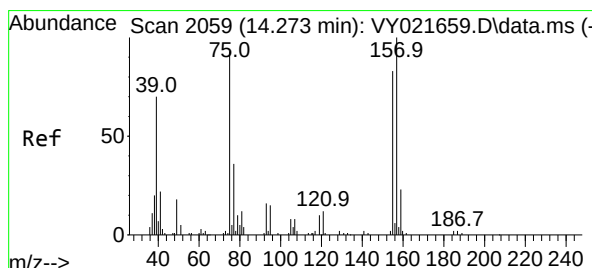
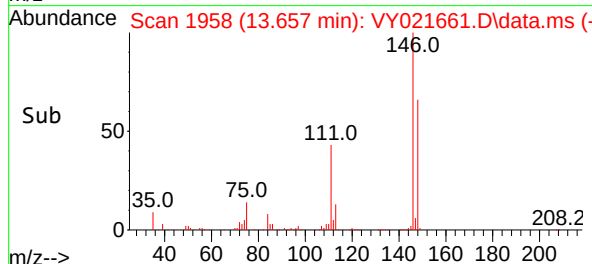
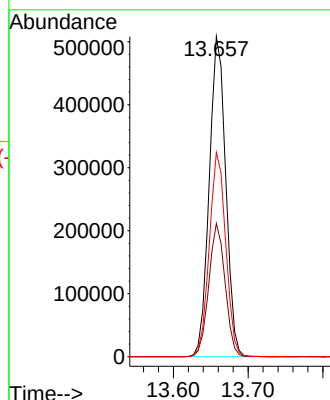
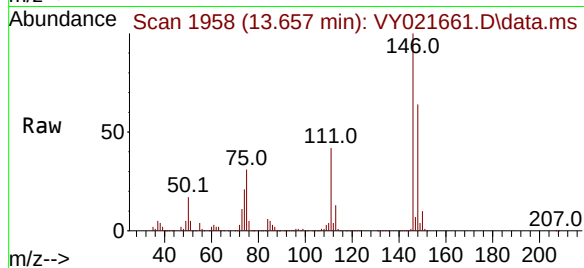
#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 77902
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.6 32.3 96.9

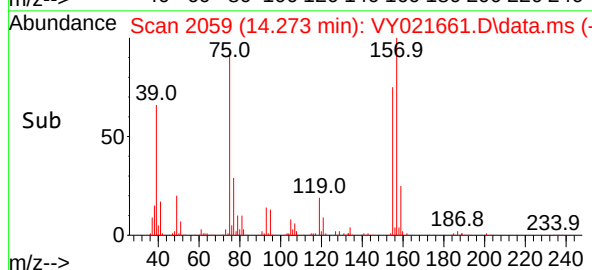
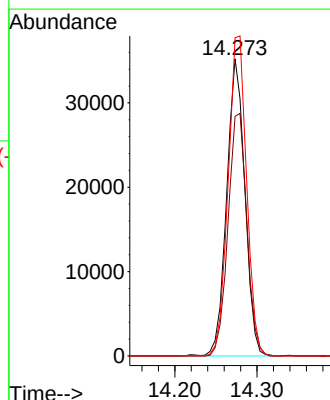
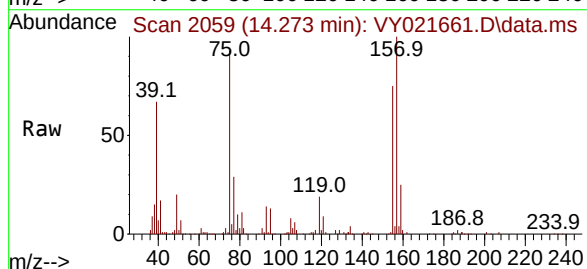
Manual Integrations
APPROVED

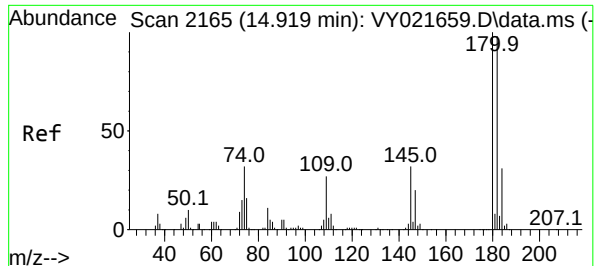
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 147.345 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 54066
Ion Ratio Lower Upper
75 100
155 84.5 43.0 128.8
157 109.7 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 160.803 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 47284

Ion Ratio Lower Upper

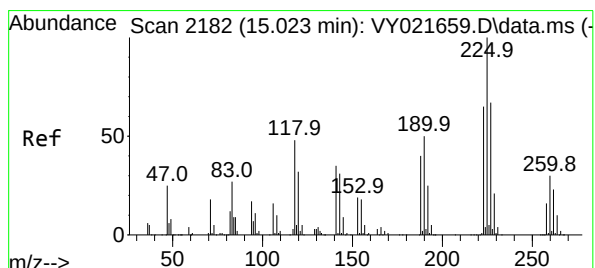
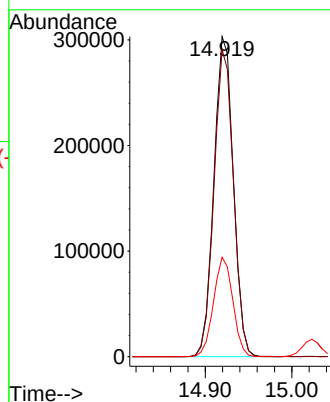
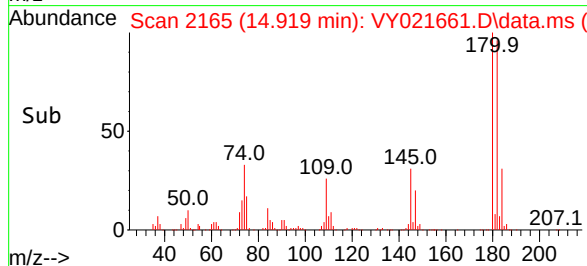
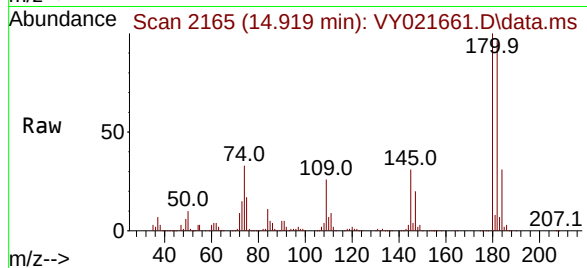
180 100

182 95.8 47.5 142.6

145 30.8 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#94

Hexachlorobutadiene

Concen: 142.491 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

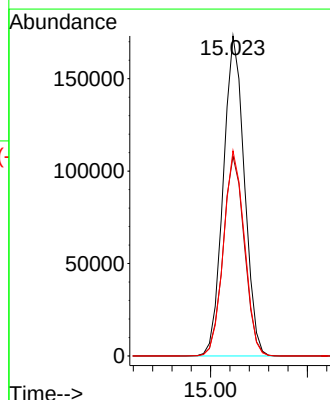
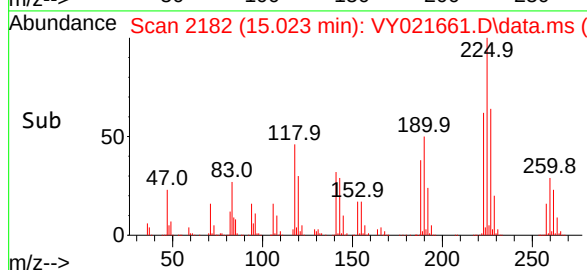
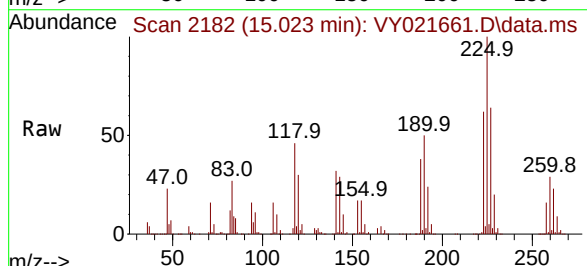
Tgt Ion:225 Resp: 261678

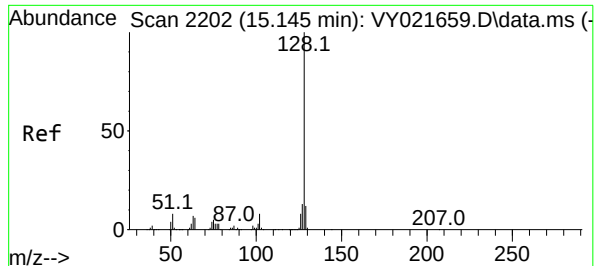
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.7

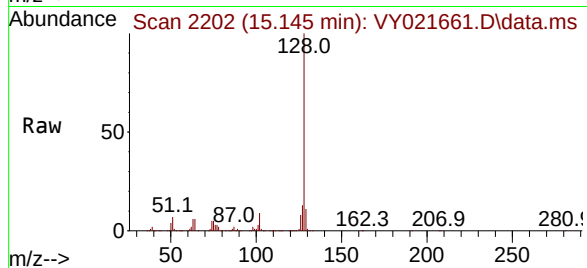
227 63.4 32.4 97.0





#95
Naphthalene
Concen: 176.342 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

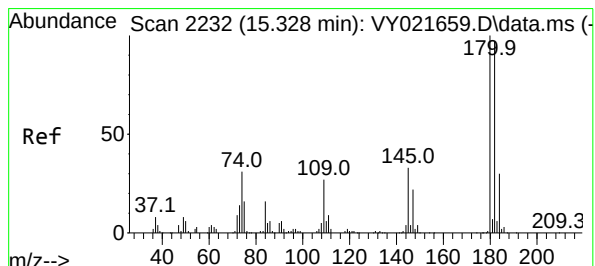
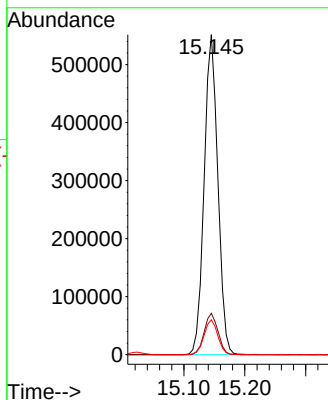
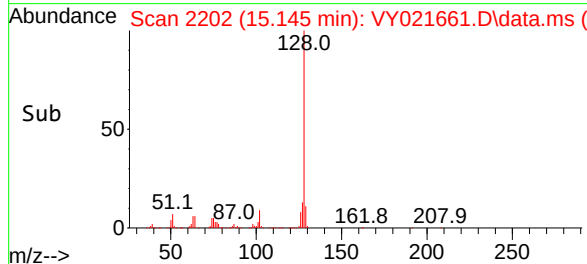
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



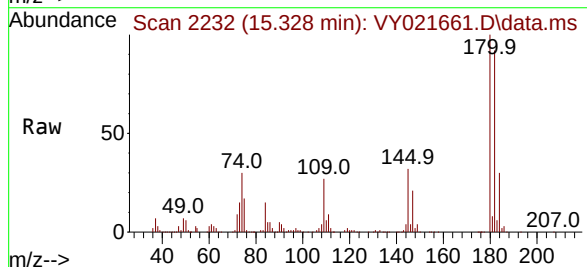
Tgt Ion:128 Resp: 859499
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.9 8.8 13.2

Manual Integrations
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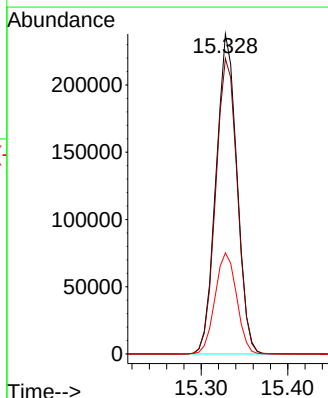
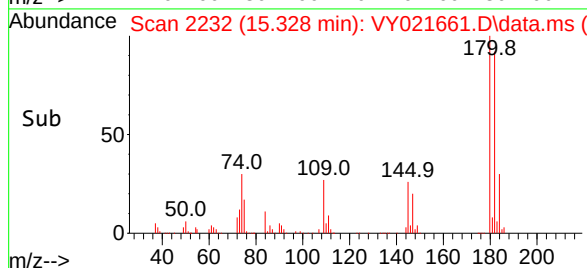
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 159.646 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion:180 Resp: 400315
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.5
145 32.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l	99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l #	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l	95
46) Dibromomethane	9.231	93	76421	50.052	ug/l	98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l	99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l	98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l	100
52) Toluene	10.170	92	360002	51.555	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l	99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l	98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l	99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l	99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l	99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l	98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l	99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l	100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l	100
69) o-Xylene	11.956	106	247091	53.075	ug/l	99
70) Styrene	11.968	104	416261	53.627	ug/l	99
71) Bromoform	12.133	173	78932	50.778	ug/l #	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l	100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l	
77) Bromobenzene	12.535	156	152211	51.125	ug/l	99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l	100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l	97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l	100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l	100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l	100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l	99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l	100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l	100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l	96
95) Naphthalene	15.145	128	237561	51.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

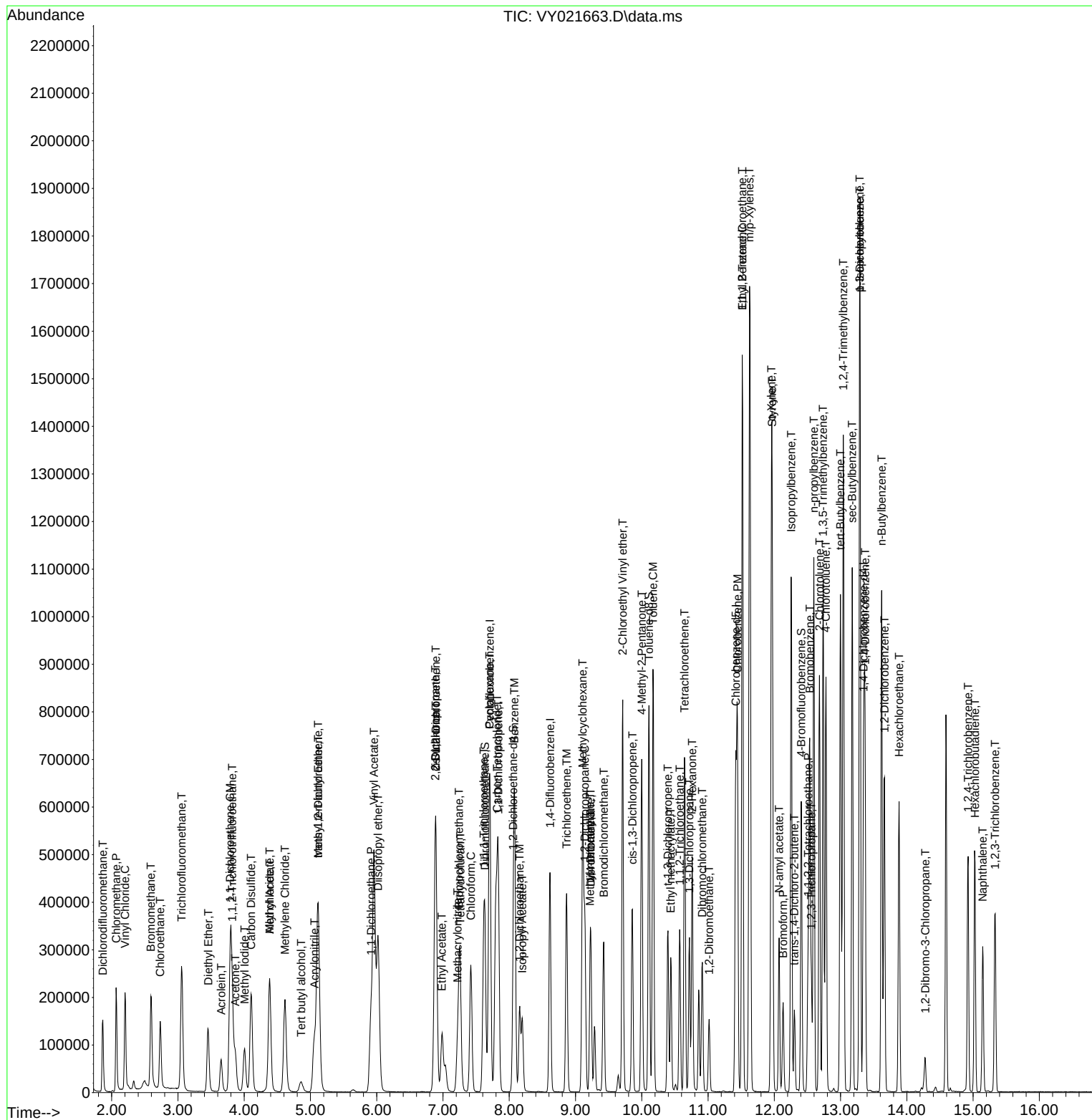
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

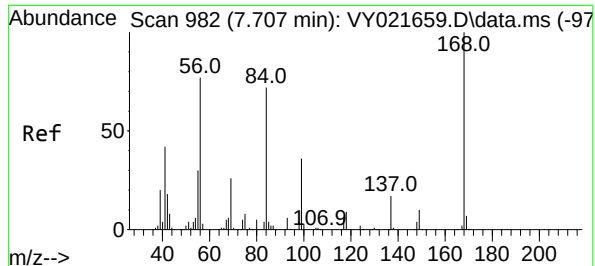
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

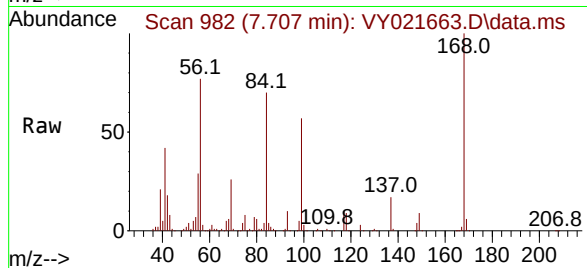
Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

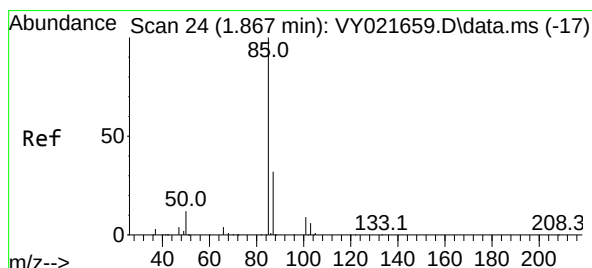
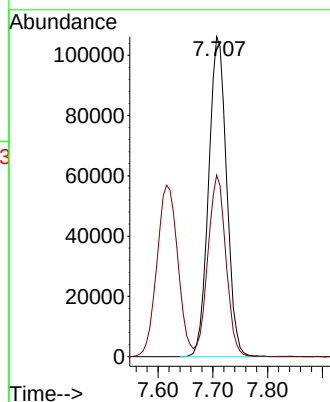
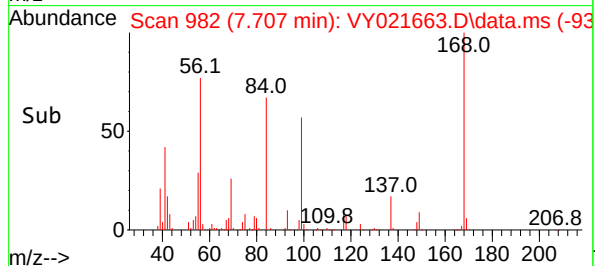
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:168 Resp: 24128
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

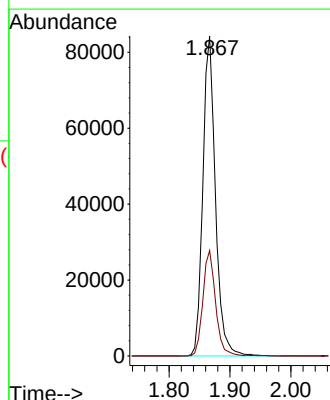
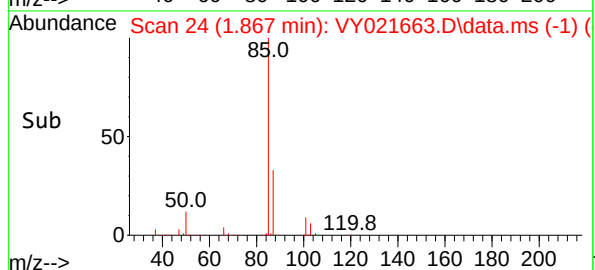
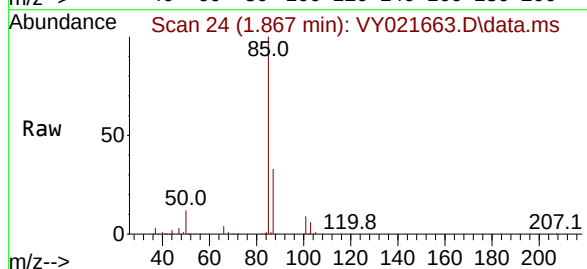
Manual Integrations
APPROVED

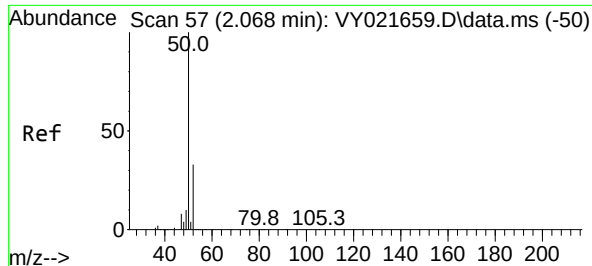
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

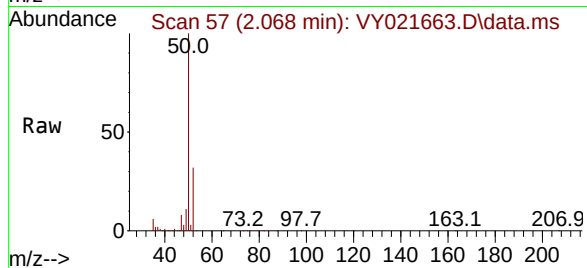
Tgt Ion: 85 Resp: 121620
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

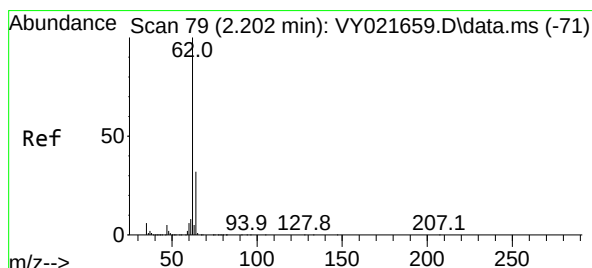
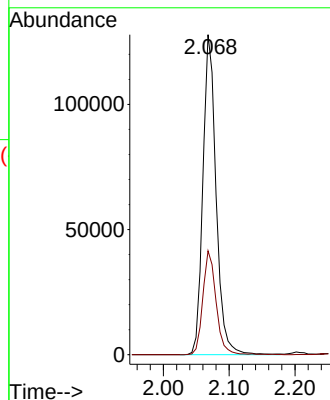
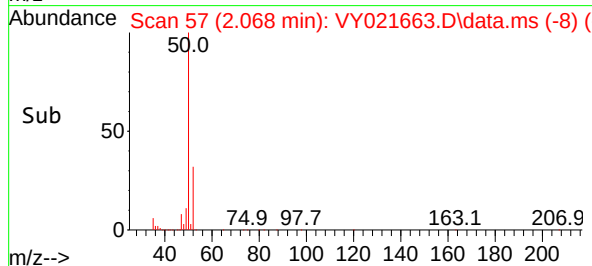
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 50 Resp: 178572
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

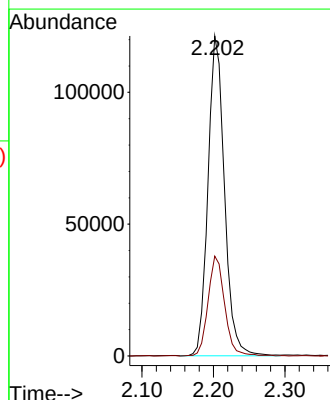
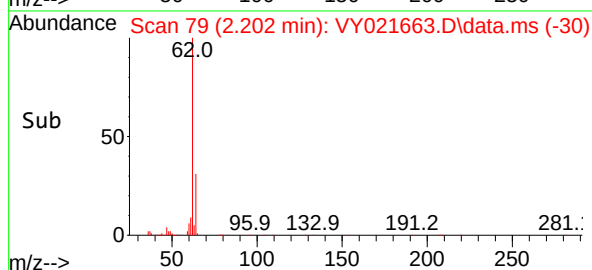
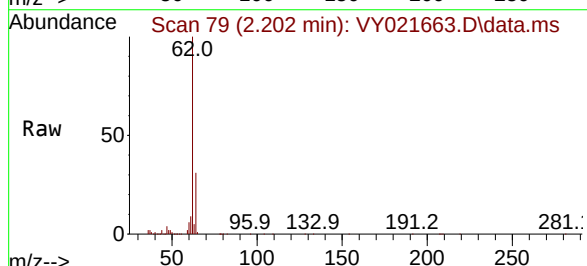
Manual Integrations
APPROVED

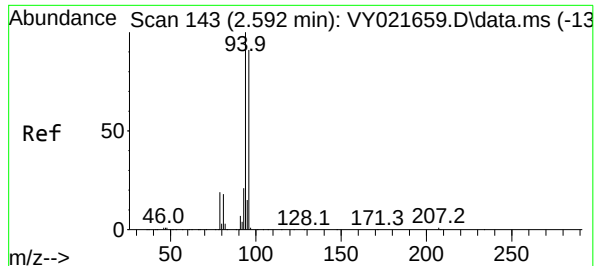
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 193909
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#5

Bromomethane

Concen: 49.274 ug/l

RT: 2.592 min Scan# 143

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 94 Resp: 133650

Ion Ratio Lower Upper

94 100

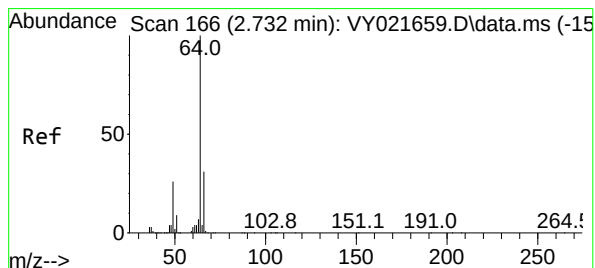
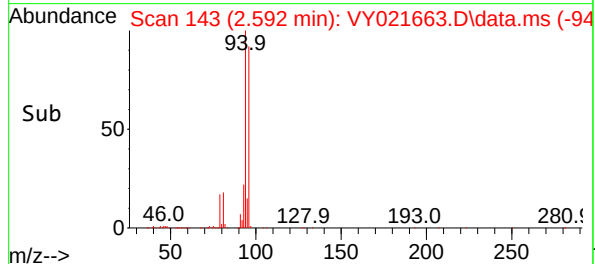
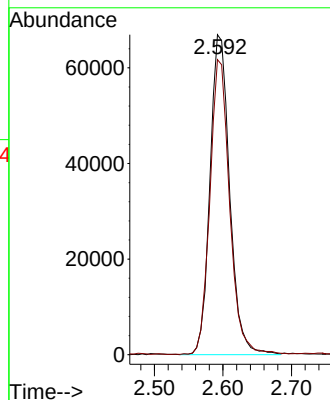
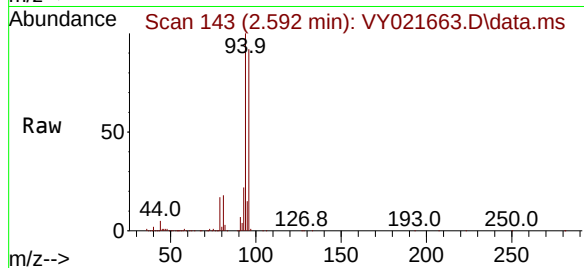
96 92.1 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#6

Chloroethane

Concen: 50.589 ug/l

RT: 2.732 min Scan# 166

Delta R.T. -0.000 min

Lab File: VY021663.D

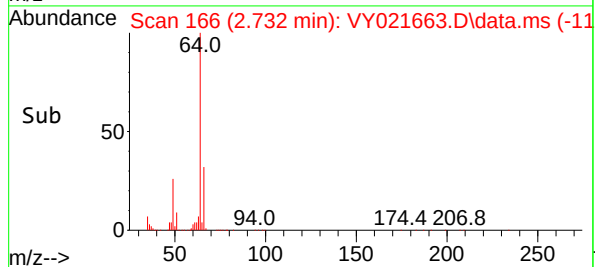
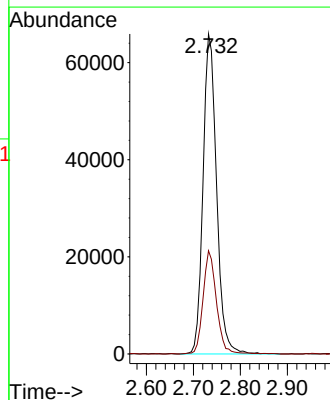
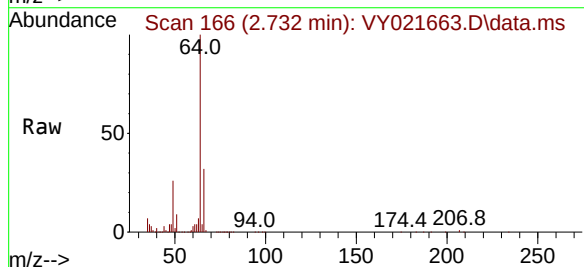
Acq: 27 Mar 2025 13:15

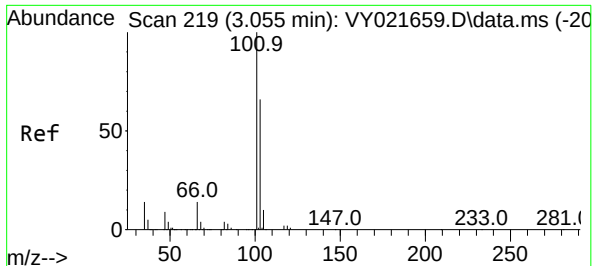
Tgt Ion: 64 Resp: 131646

Ion Ratio Lower Upper

64 100

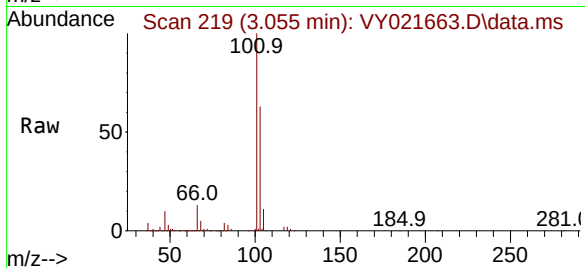
66 32.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

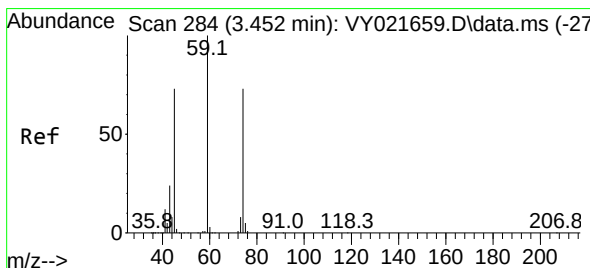
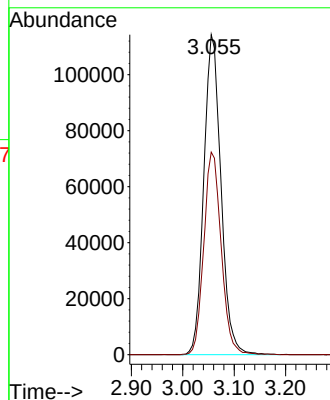
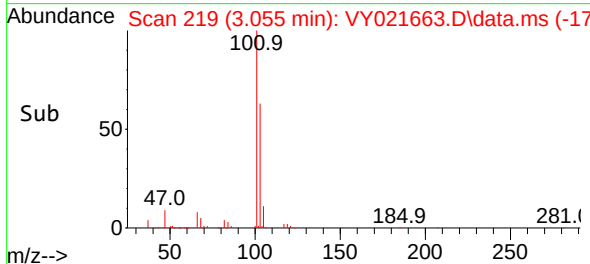
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:101 Resp: 264850
Ion Ratio Lower Upper
101 100
103 63.3 53.1 79.7

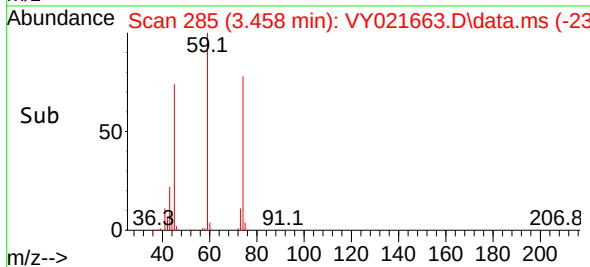
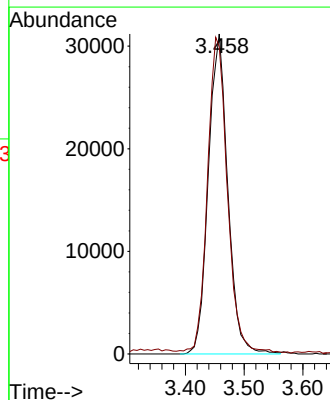
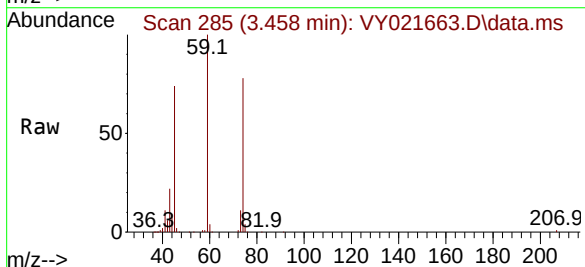
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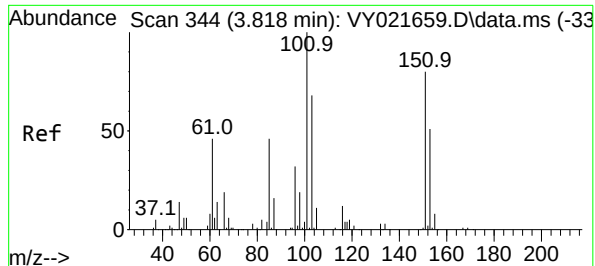
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 51.807 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773
Ion Ratio Lower Upper
74 100
45 101.3 48.6 145.8





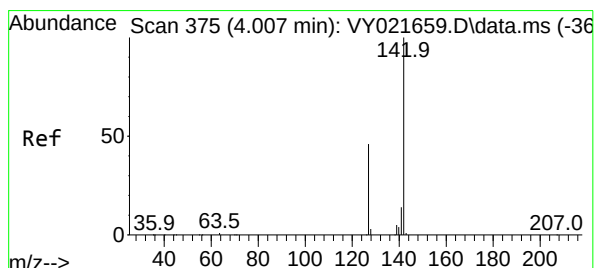
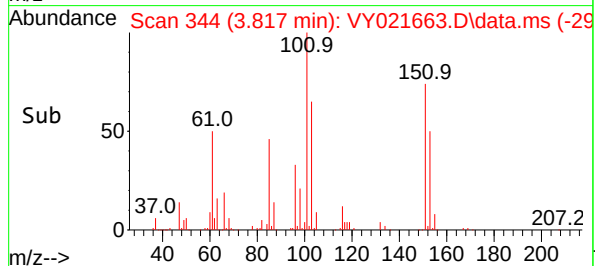
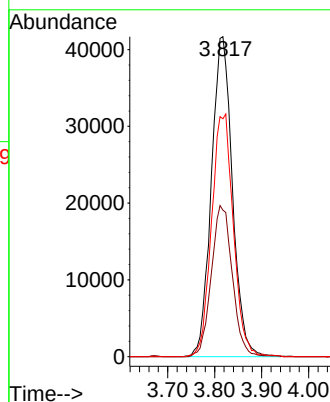
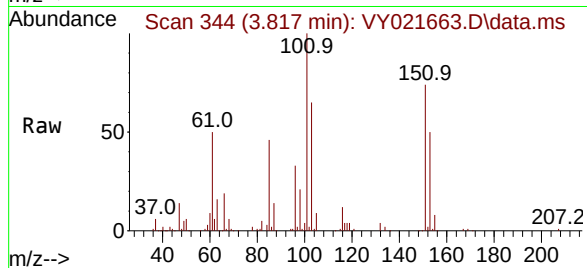
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.213 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:101 Resp: 12954
Ion Ratio Lower Upper
101 100
85 47.2 36.3 54.5
151 78.7 61.3 91.9

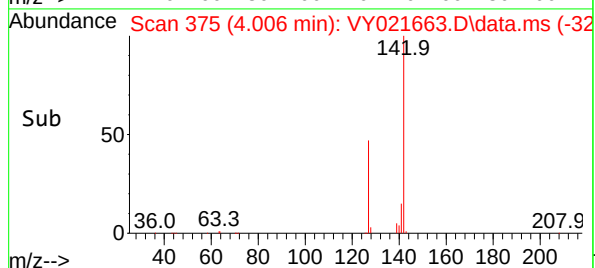
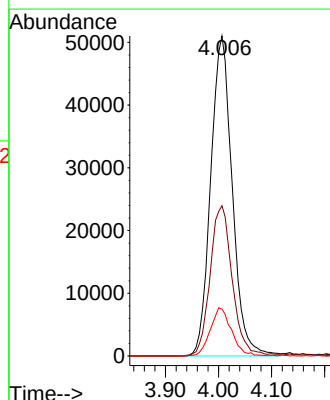
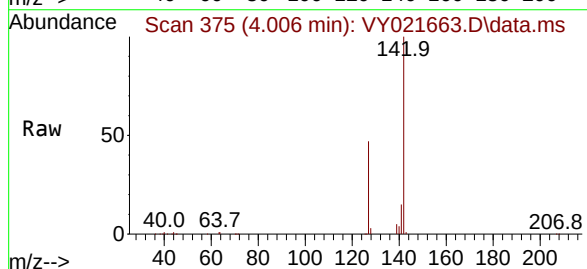
Manual Integrations
APPROVED

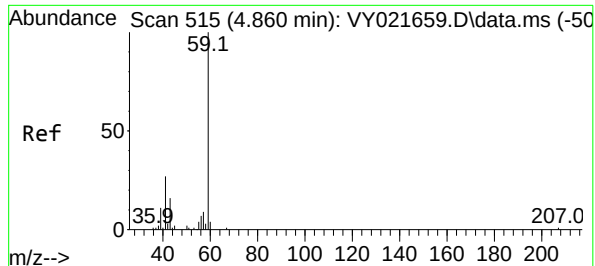
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 48.859 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:142 Resp: 144020
Ion Ratio Lower Upper
142 100
127 47.9 38.7 58.1
141 14.8 11.5 17.3





#11

Tert butyl alcohol

Concen: 239.093 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 59 Resp: 40598

Ion Ratio Lower Upper

59 100

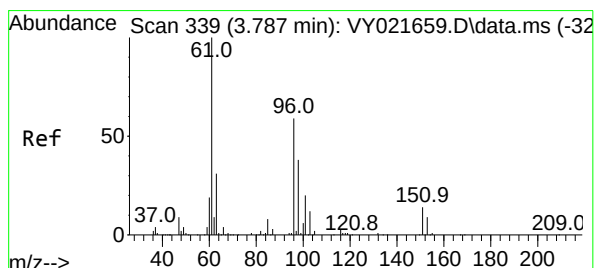
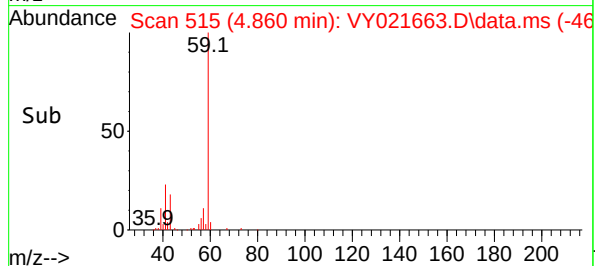
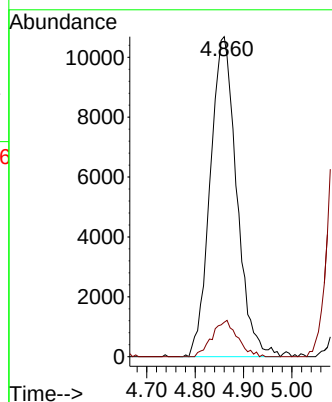
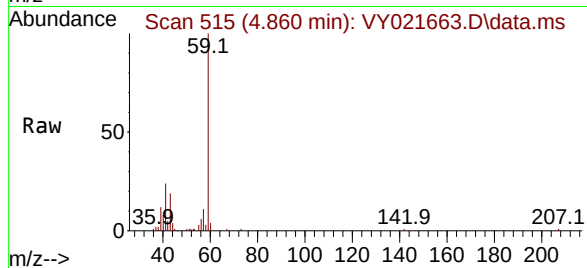
57 10.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 48.958 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

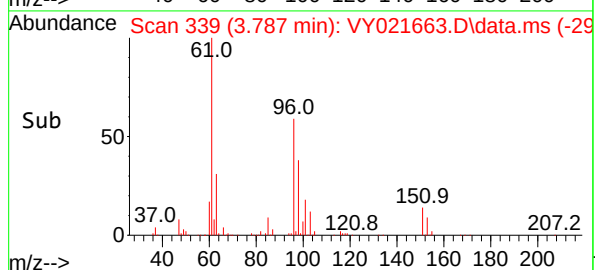
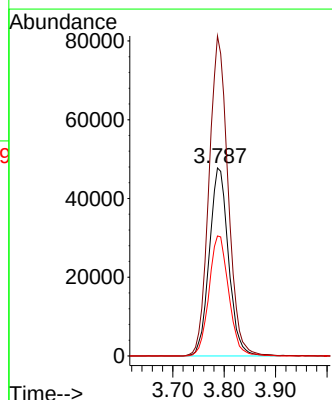
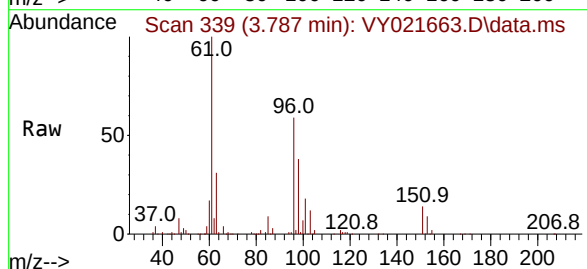
Tgt Ion: 96 Resp: 123904

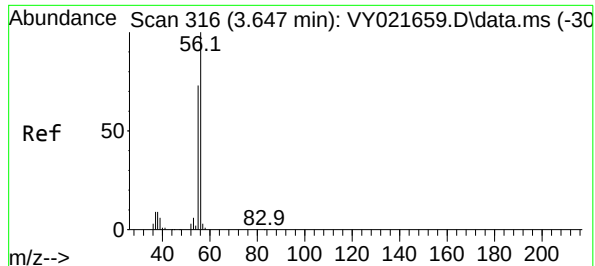
Ion Ratio Lower Upper

96 100

61 170.1 136.6 204.8

98 63.8 52.3 78.5





#13

Acrolein

Concen: 249.738 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 56 Resp: 77430

Ion Ratio Lower Upper

56 100

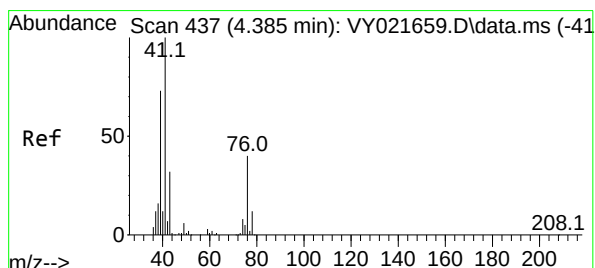
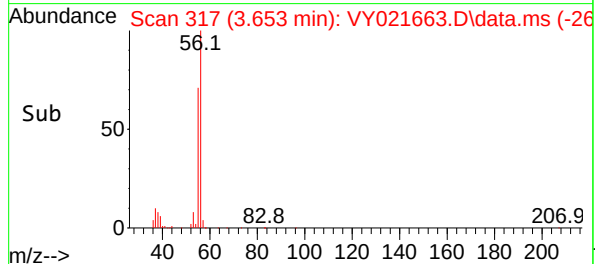
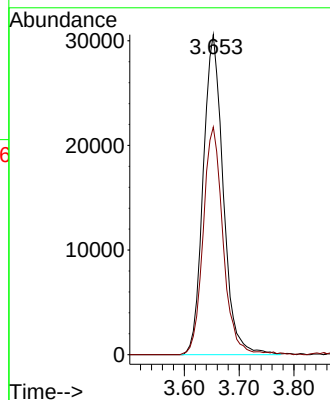
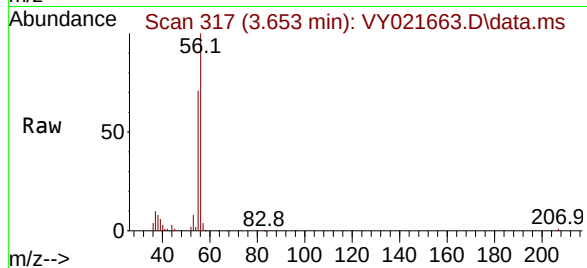
55 71.0 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 50.380 ug/l

RT: 4.384 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

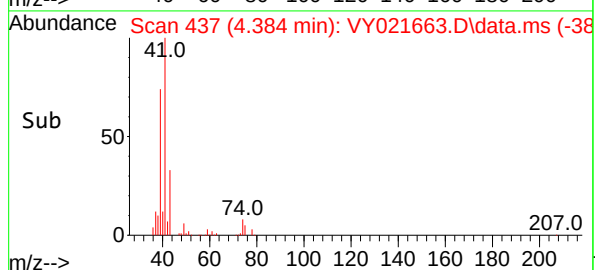
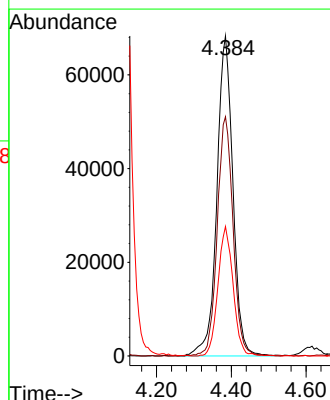
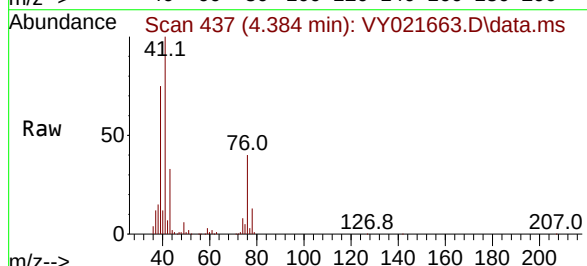
Tgt Ion: 41 Resp: 203289

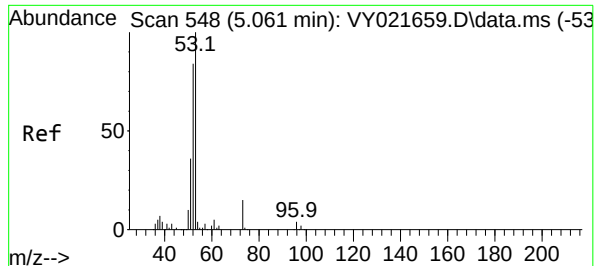
Ion Ratio Lower Upper

41 100

39 73.9 58.6 88.0

76 38.3 30.3 45.5





#15

Acrylonitrile

Concen: 246.085 ug/l

RT: 5.061 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 53 Resp: 142349

Ion Ratio Lower Upper

53 100

52 81.9 64.9 97.3

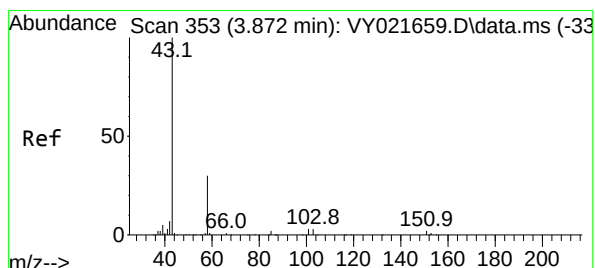
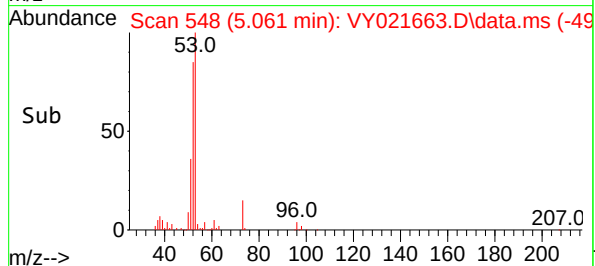
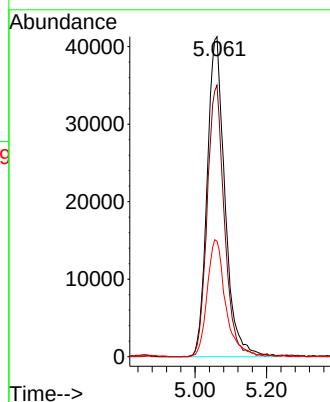
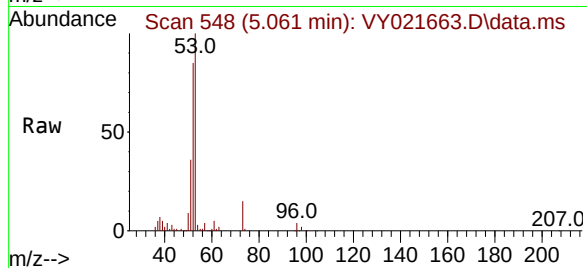
51 37.9 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 234.856 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021663.D

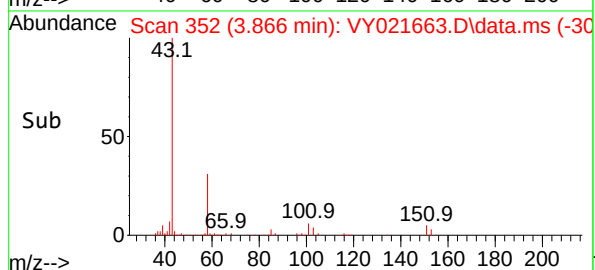
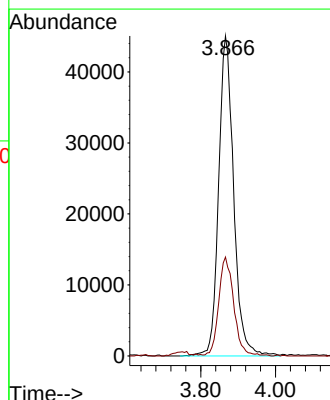
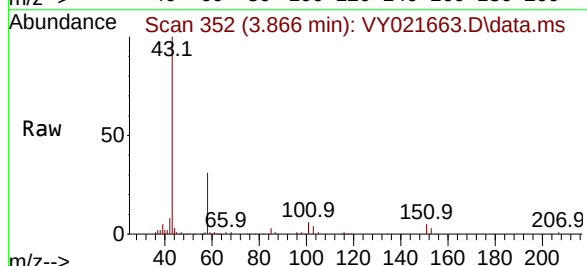
Acq: 27 Mar 2025 13:15

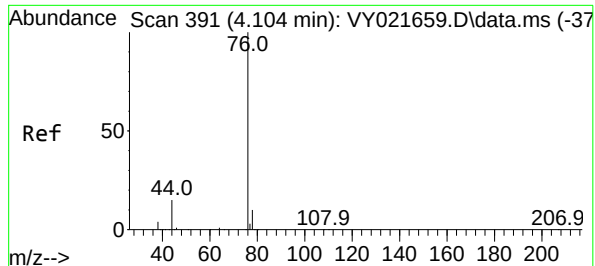
Tgt Ion: 43 Resp: 125654

Ion Ratio Lower Upper

43 100

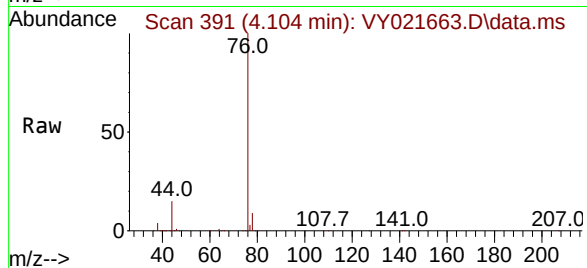
58 30.9 24.2 36.4





#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

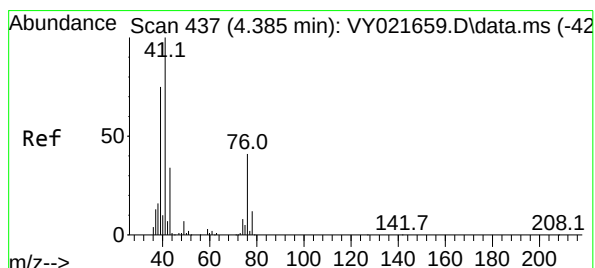
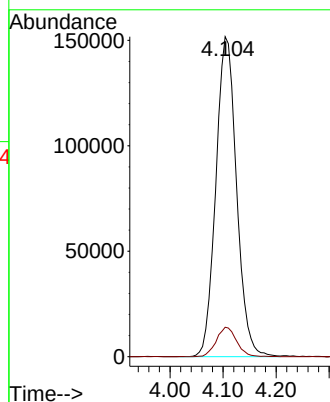
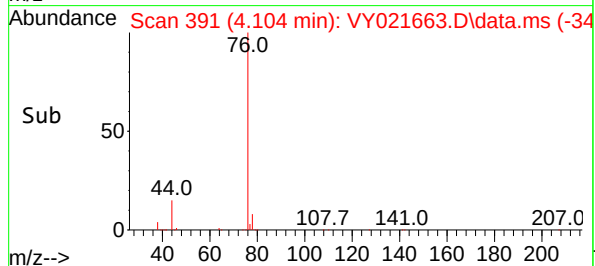
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 76 Resp: 41202
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

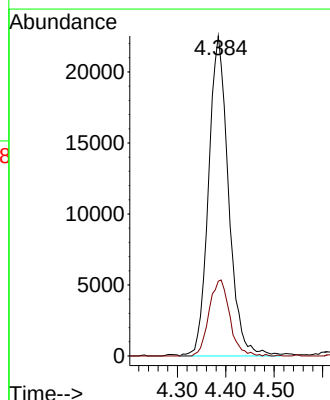
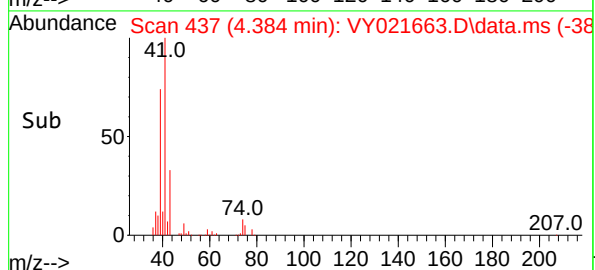
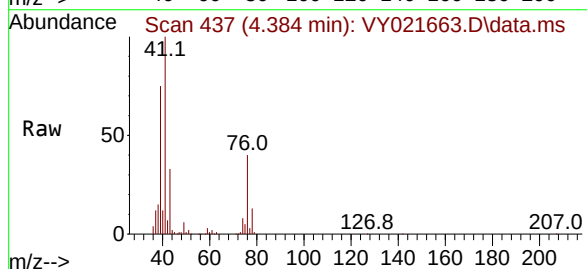
Manual Integrations
APPROVED

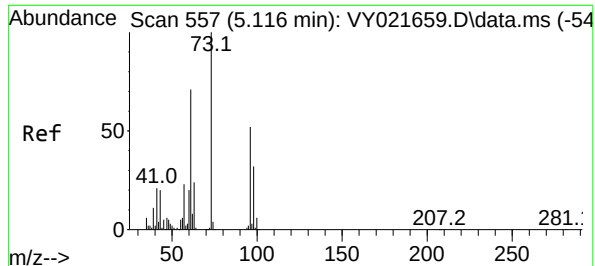
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580
Ion Ratio Lower Upper
43 100
74 24.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.561 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 73 Resp: 318579

Ion Ratio Lower Upper

73 100

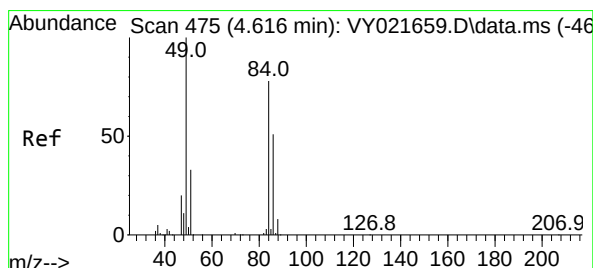
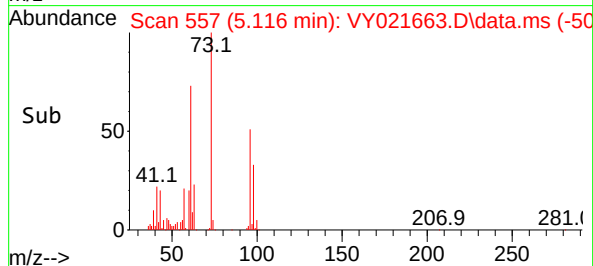
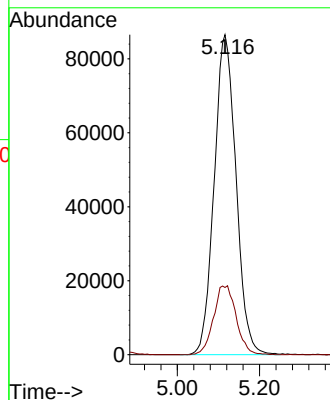
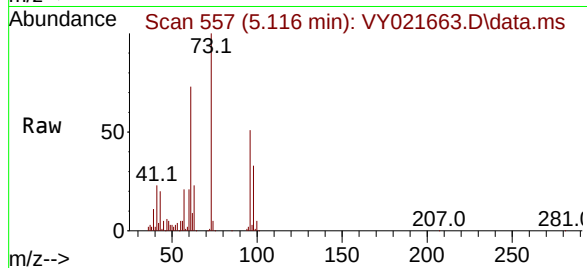
57 21.0 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 53.536 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

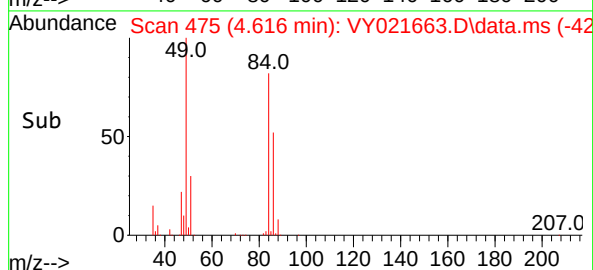
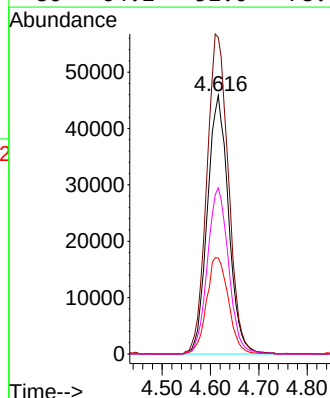
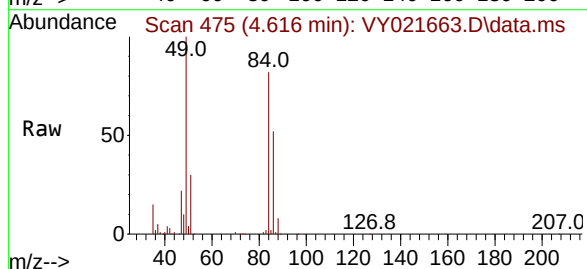
Ion Ratio Lower Upper

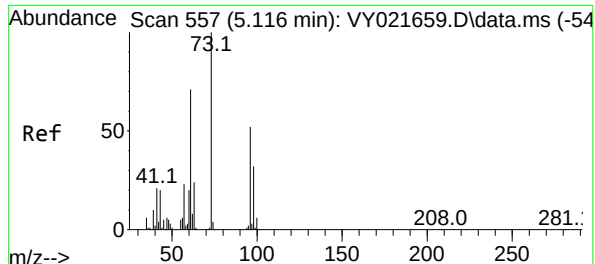
84 100

49 122.3 102.8 154.2

51 37.2 33.5 50.3

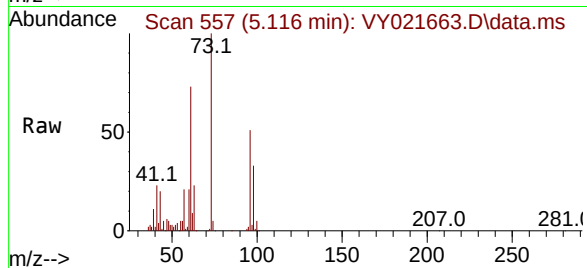
86 64.2 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

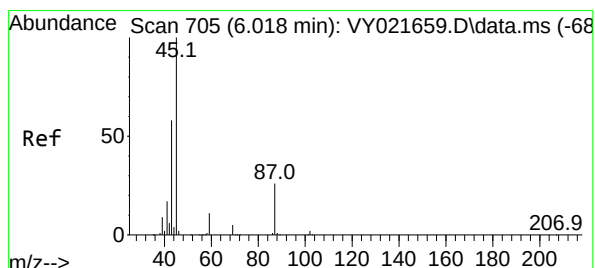
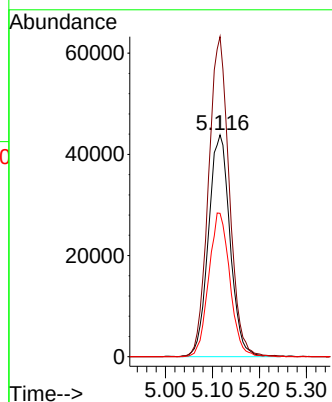
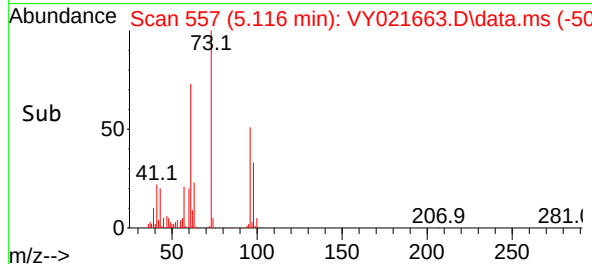
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 96 Resp: 13984
Ion Ratio Lower Upper
96 100
61 144.2 109.4 164.0
98 64.7 50.2 75.2

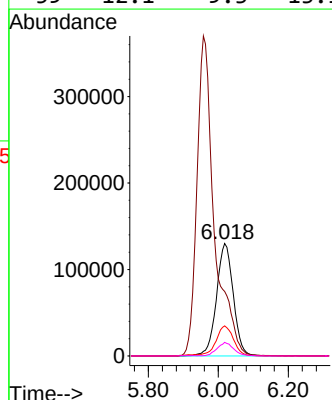
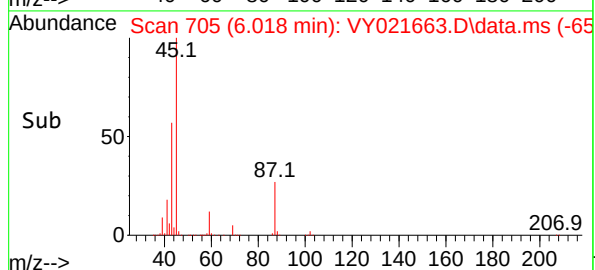
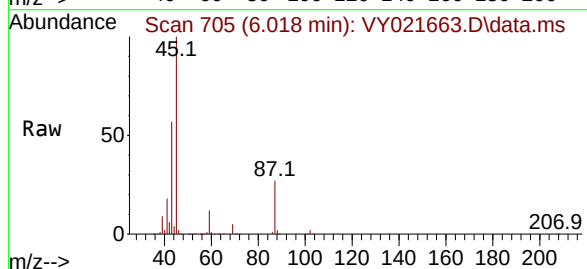
Manual Integrations
APPROVED

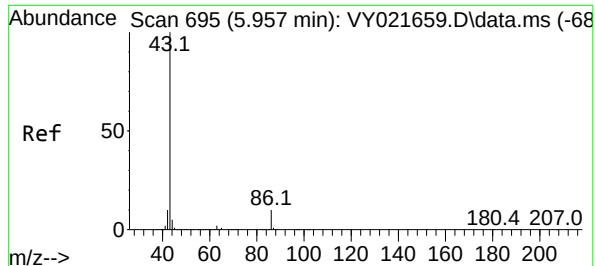
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011
Ion Ratio Lower Upper
45 100
43 57.0 46.6 69.8
87 26.7 20.7 31.1
59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 256.638 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 43 Resp: 127084

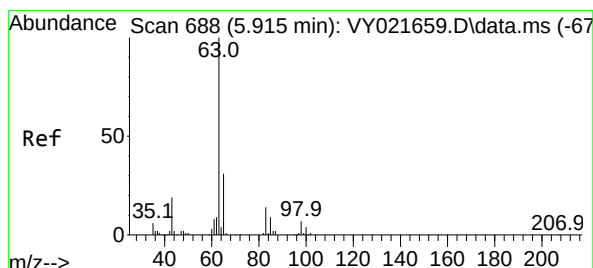
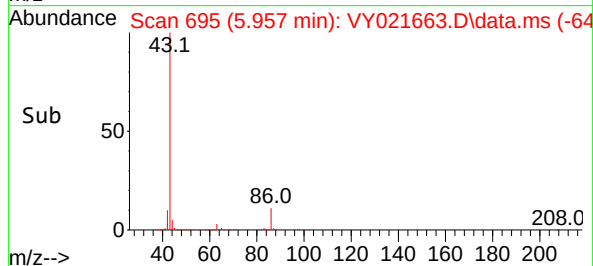
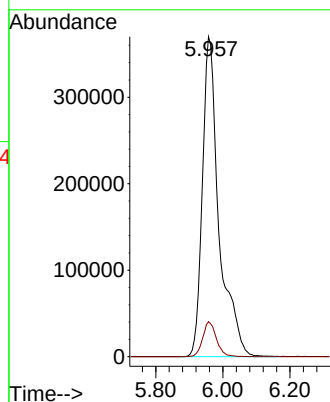
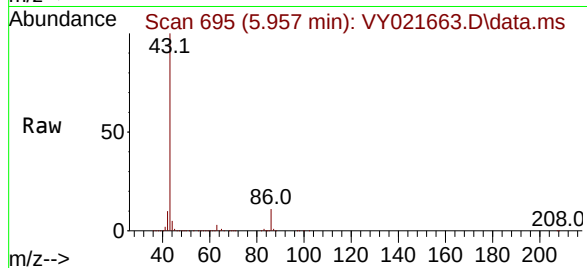
Ion Ratio Lower Upper

43 100

86 10.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#24

1,1-Dichloroethane

Concen: 50.001 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

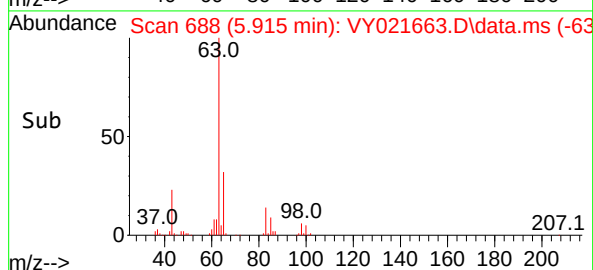
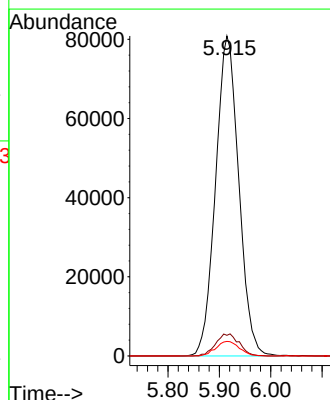
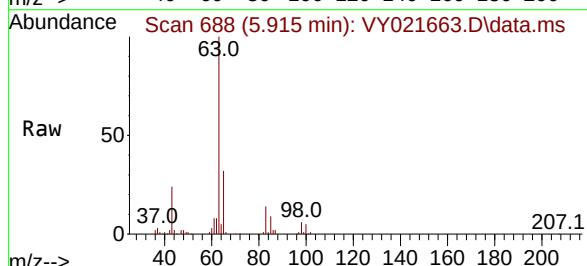
Tgt Ion: 63 Resp: 253080

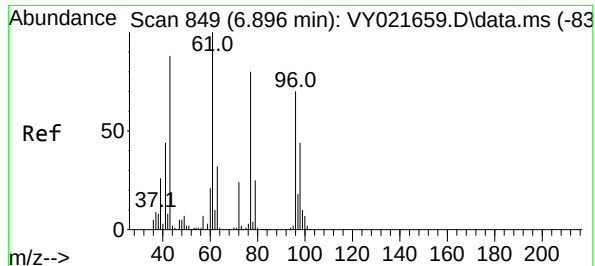
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 240.921 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 43 Resp: 184108

Ion Ratio Lower Upper

43 100

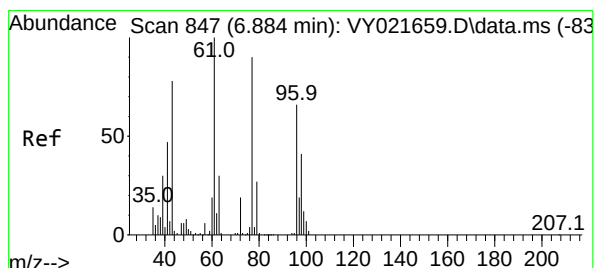
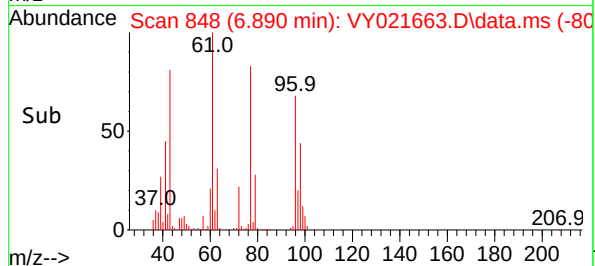
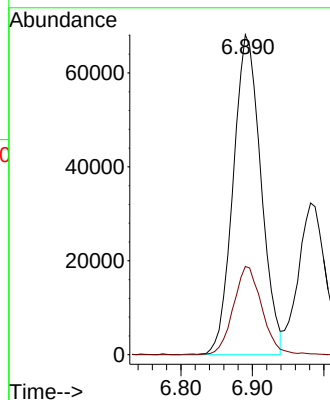
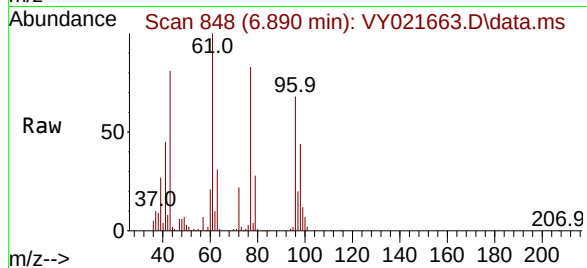
72 27.6 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 49.103 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021663.D

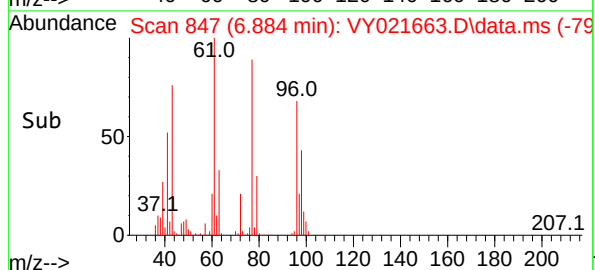
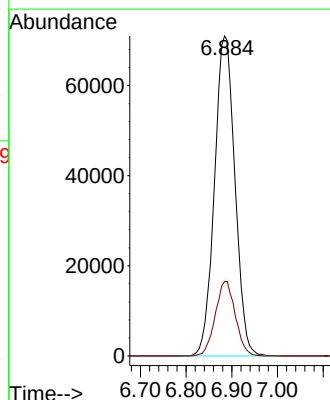
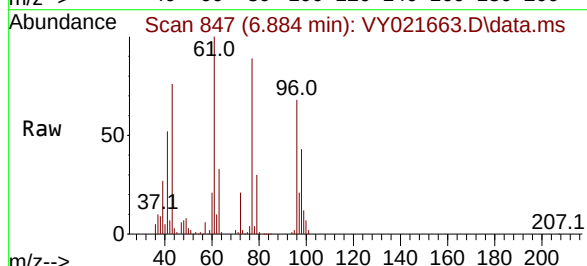
Acq: 27 Mar 2025 13:15

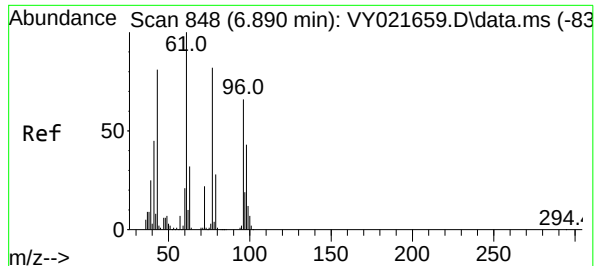
Tgt Ion: 77 Resp: 221076

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.806 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 96 Resp: 159200

Ion Ratio Lower Upper

96 100

61 147.2 0.0 296.4

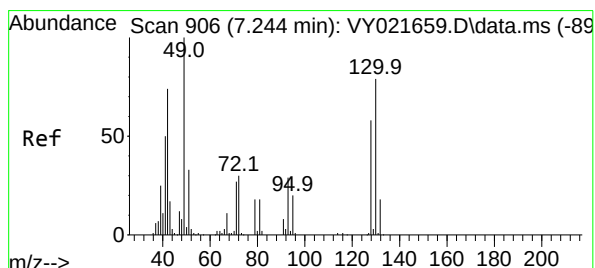
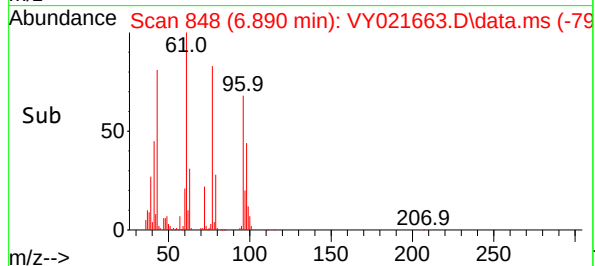
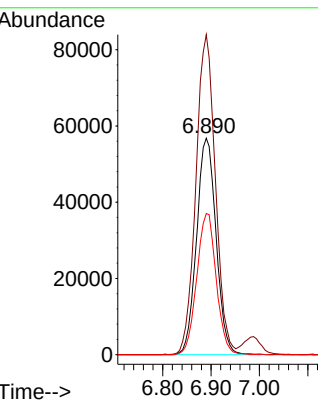
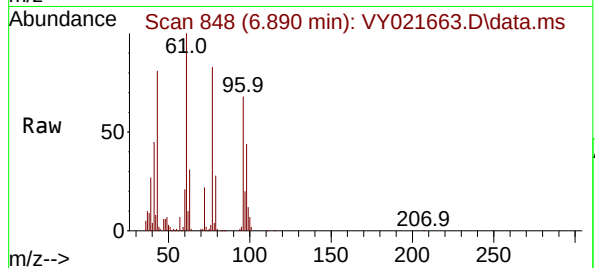
98 65.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 50.360 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

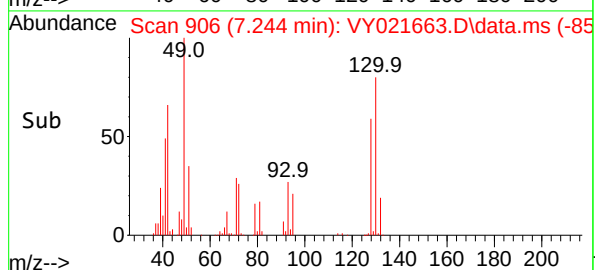
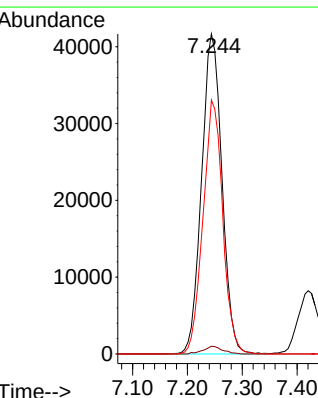
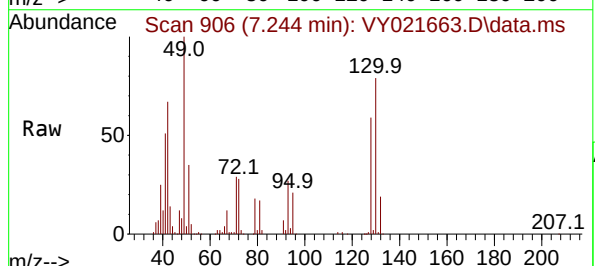
Tgt Ion: 49 Resp: 107500

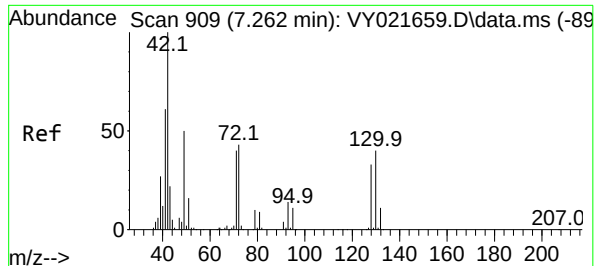
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 247.271 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 42 Resp: 12161

Ion Ratio Lower Upper

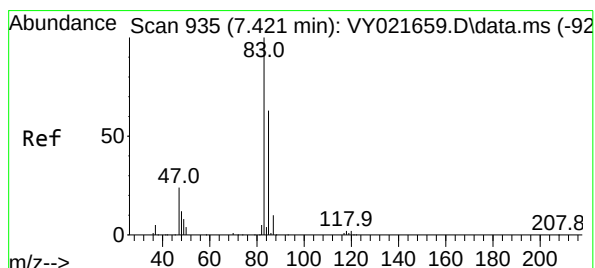
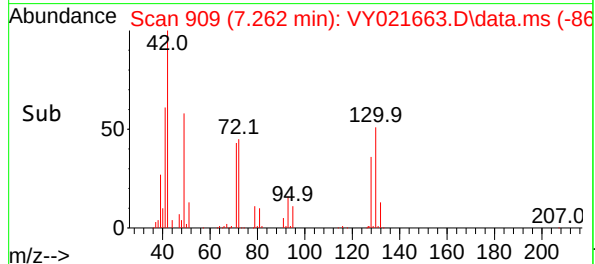
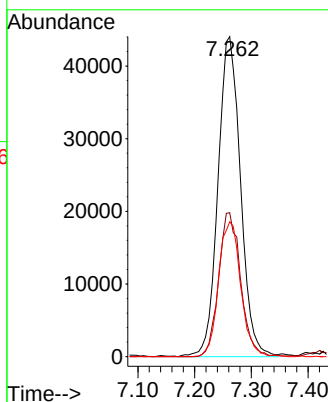
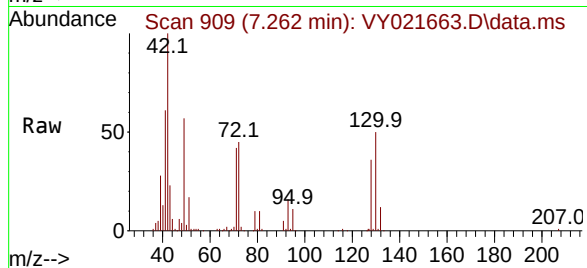
42 100

72 43.8 34.6 52.0

71 41.5 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#30

Chloroform

Concen: 49.490 ug/l

RT: 7.420 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021663.D

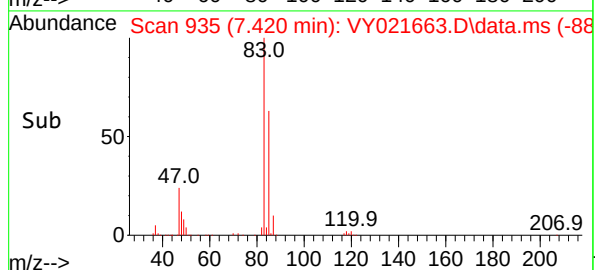
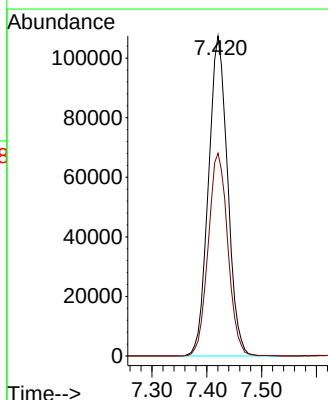
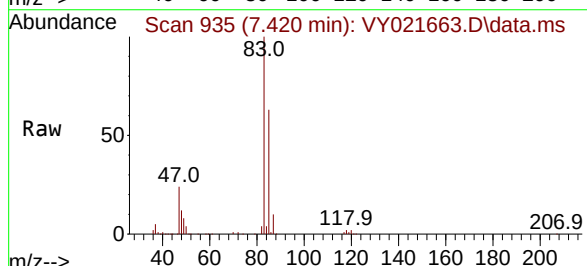
Acq: 27 Mar 2025 13:15

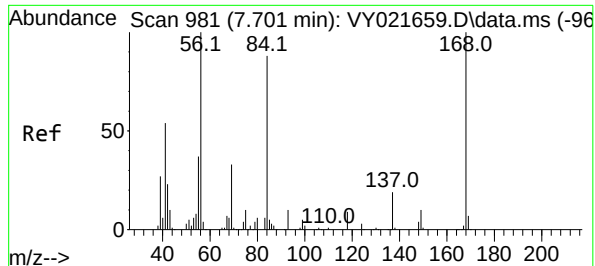
Tgt Ion: 83 Resp: 260540

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8





#31

Cyclohexane

Concen: 47.844 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 56 Resp: 220748

Ion Ratio Lower Upper

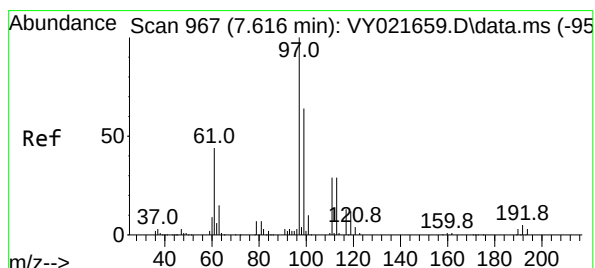
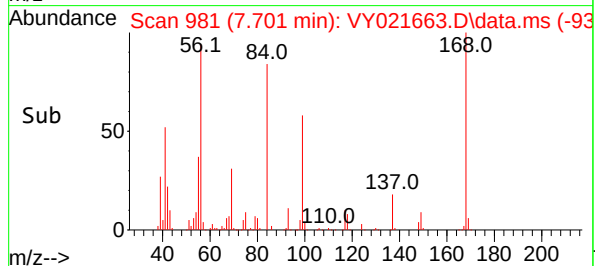
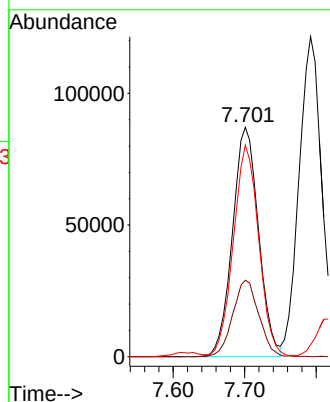
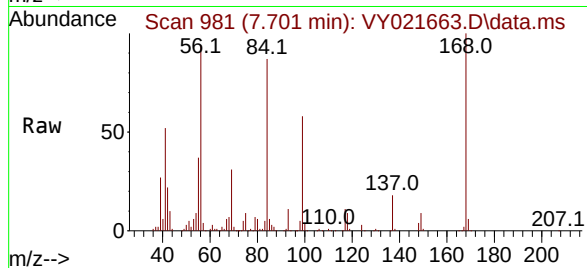
56 100

69 33.3 26.6 40.0

84 90.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#32

1,1,1-Trichloroethane

Concen: 49.319 ug/l

RT: 7.615 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

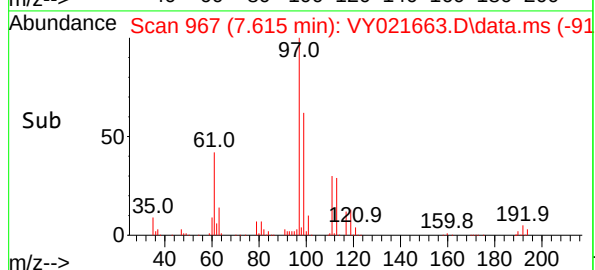
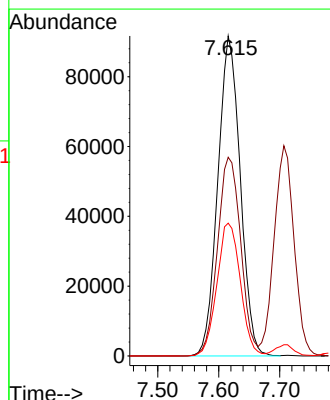
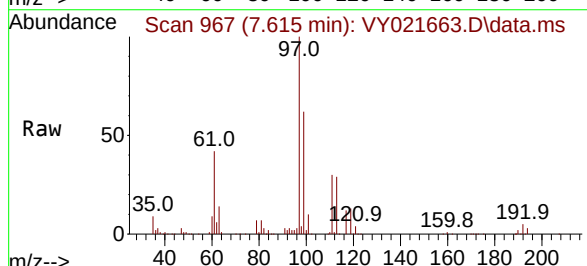
Tgt Ion: 97 Resp: 234663

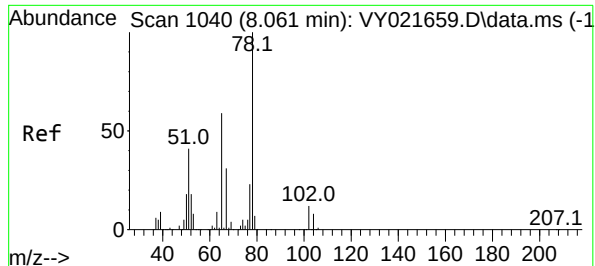
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.553 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 65 Resp: 13738

Ion Ratio Lower Upper

65 100

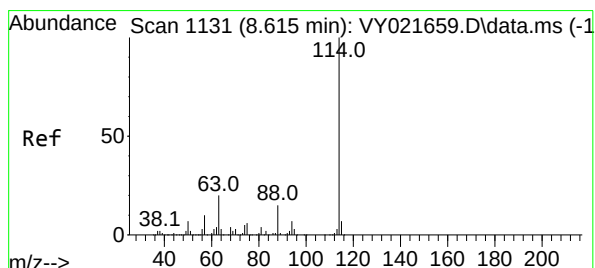
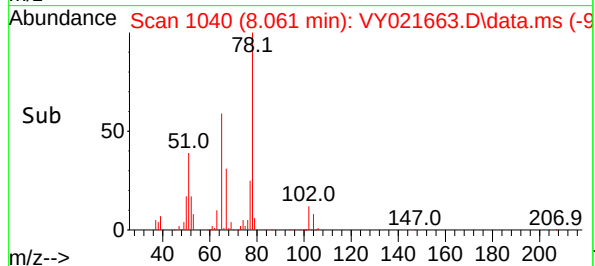
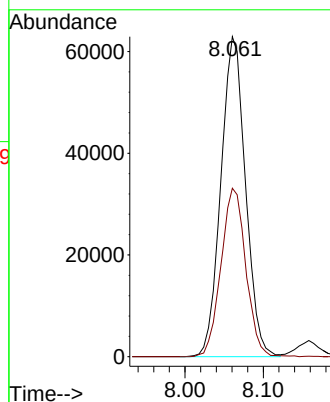
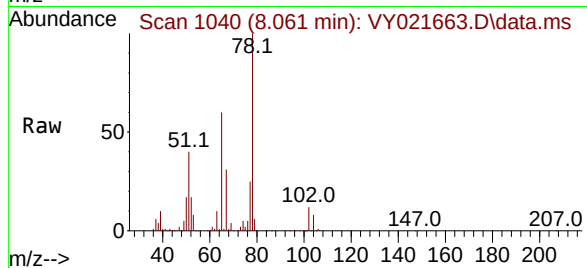
67 53.0 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

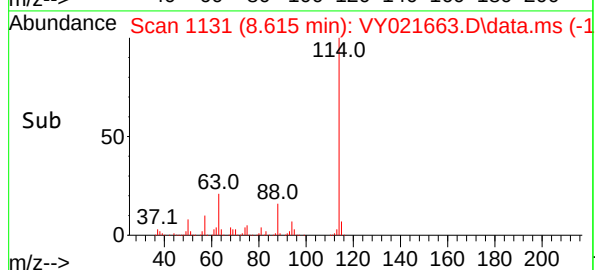
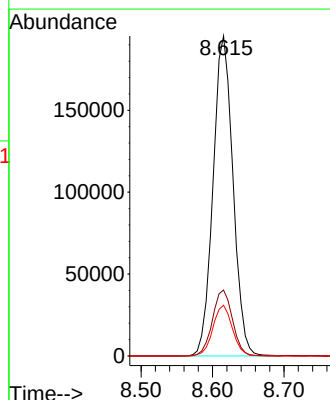
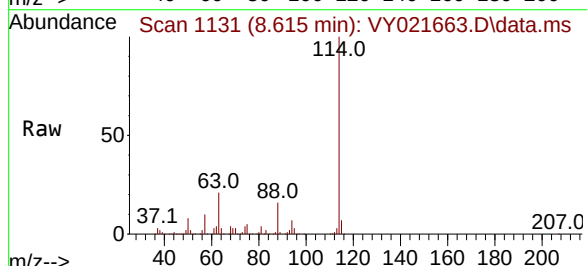
Tgt Ion:114 Resp: 378246

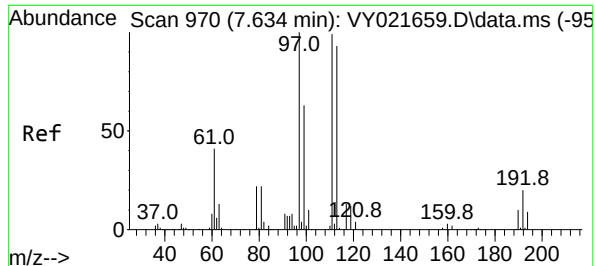
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.243 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion:113 Resp: 133092

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

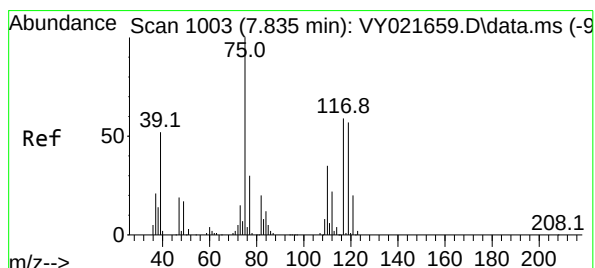
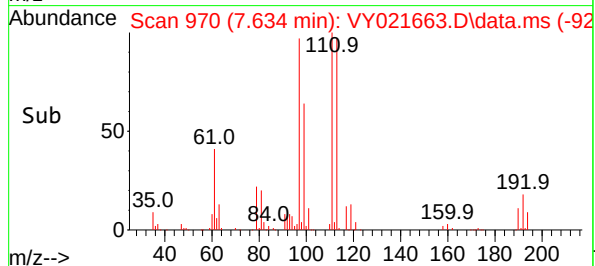
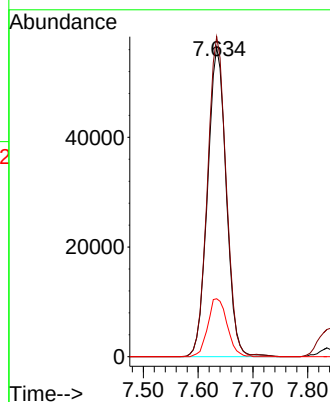
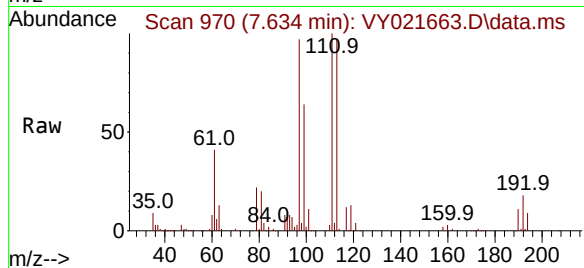
192 19.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 50.326 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

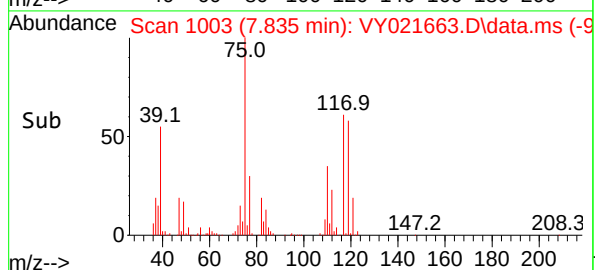
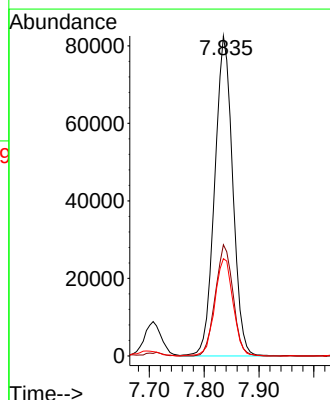
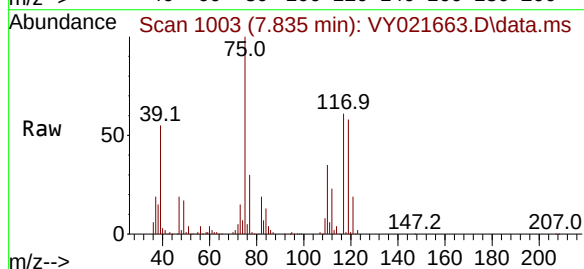
Tgt Ion: 75 Resp: 188082

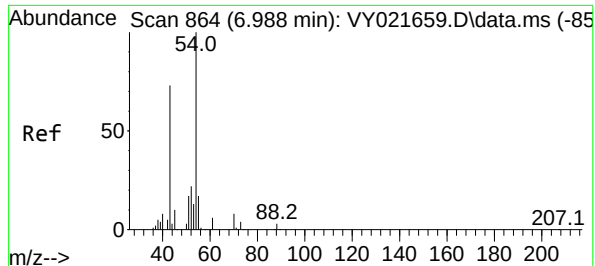
Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 49.145 ug/l

RT: 6.981 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 43 Resp: 8668

Ion Ratio Lower Upper

43 100

61 14.4 11.0 16.6

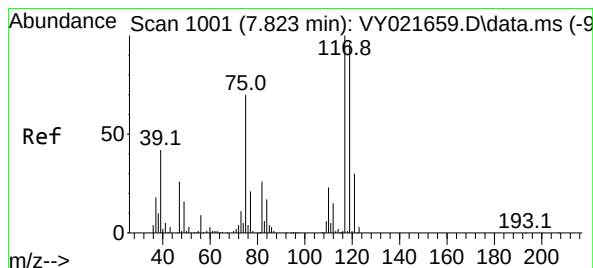
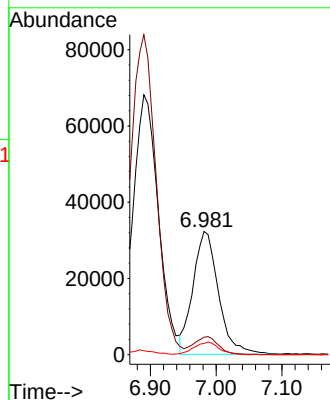
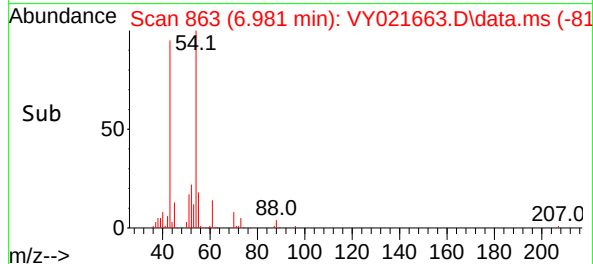
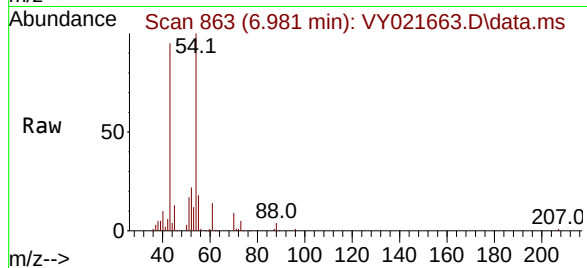
70 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 49.814 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

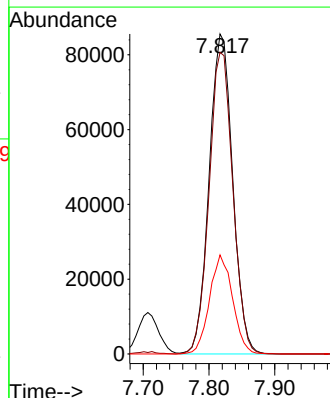
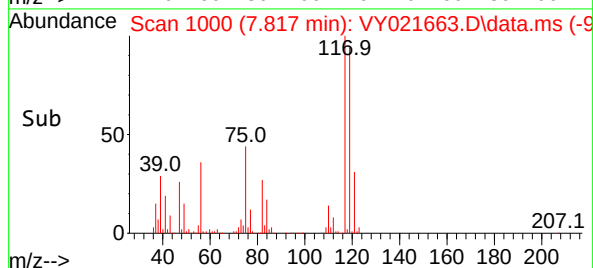
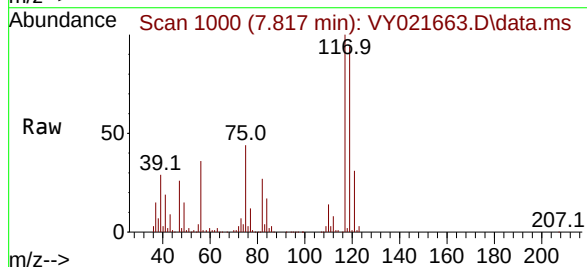
Tgt Ion:117 Resp: 213223

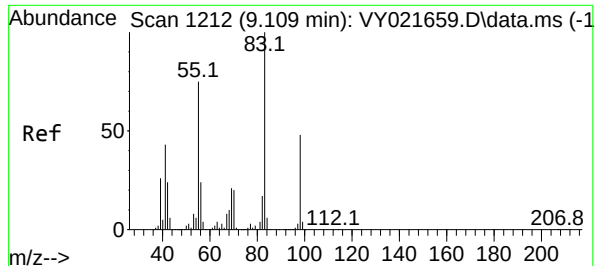
Ion Ratio Lower Upper

117 100

119 94.3 76.2 114.4

121 30.9 24.2 36.4





#39

Methylcyclohexane

Concen: 51.843 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 83 Resp: 23145

Ion Ratio Lower Upper

83 100

55 79.6 59.7 89.5

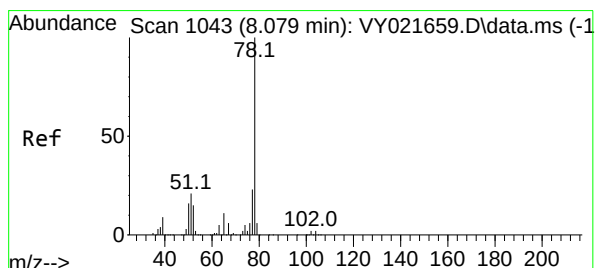
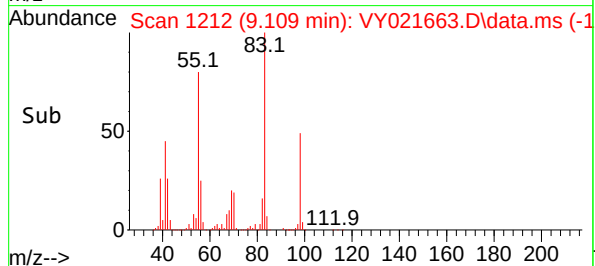
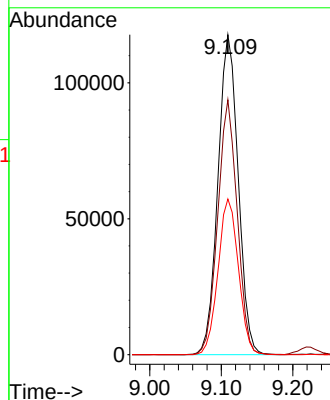
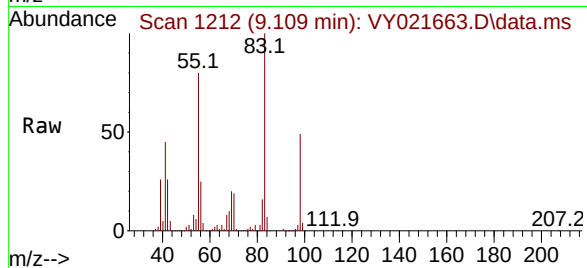
98 48.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 50.574 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021663.D

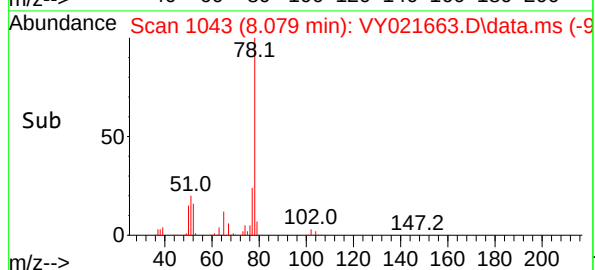
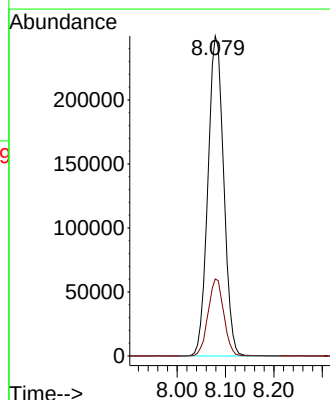
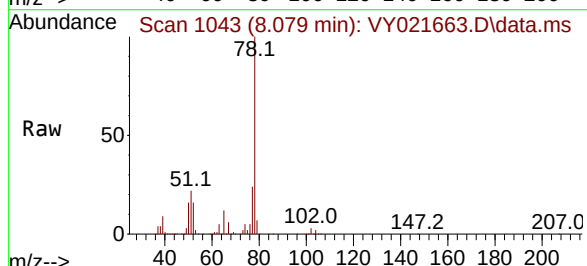
Acq: 27 Mar 2025 13:15

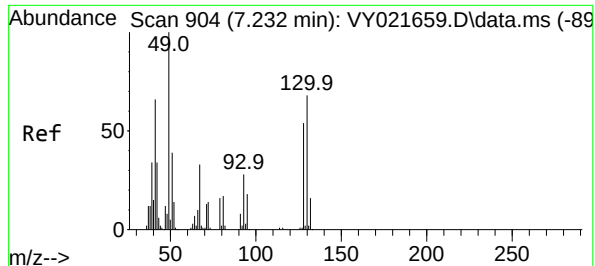
Tgt Ion: 78 Resp: 566027

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 47.475 ug/l

RT: 7.219 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 41 Resp: 44469

Ion Ratio Lower Upper

41 100

39 62.6 0.0 0.0

67 79.2 0.0 0.0

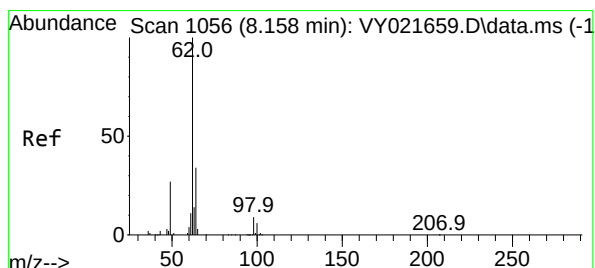
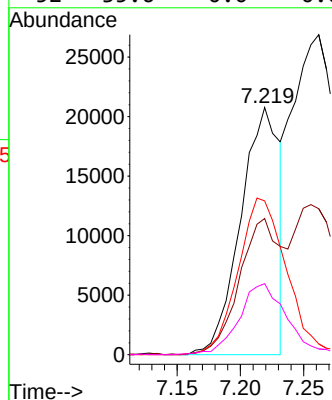
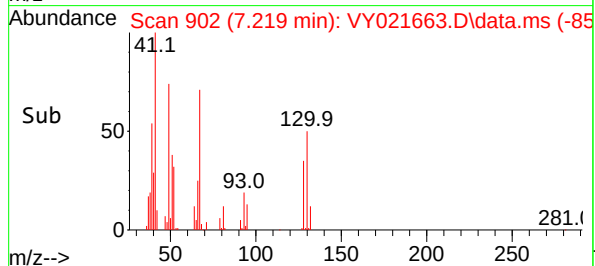
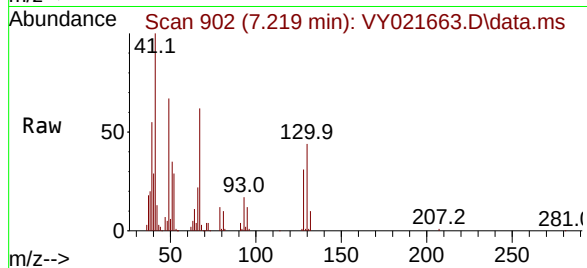
52 35.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 49.556 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY021663.D

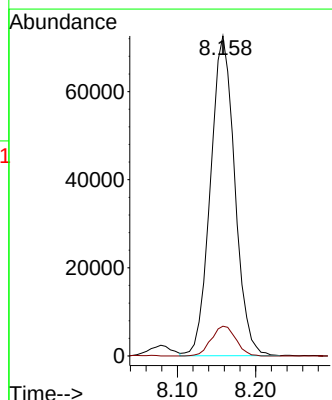
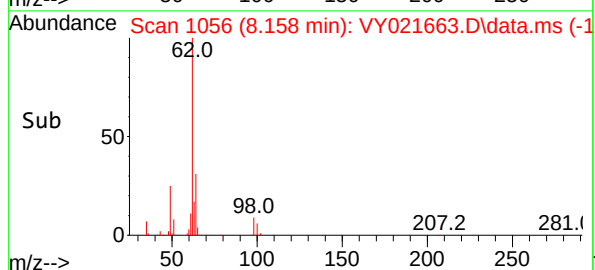
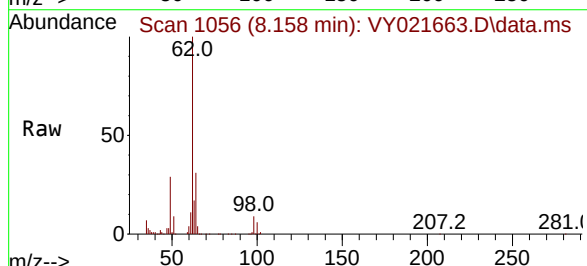
Acq: 27 Mar 2025 13:15

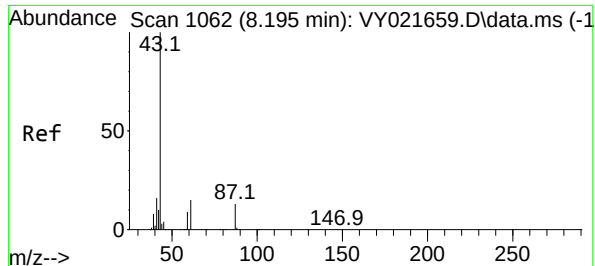
Tgt Ion: 62 Resp: 156359

Ion Ratio Lower Upper

62 100

98 9.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 50.106 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

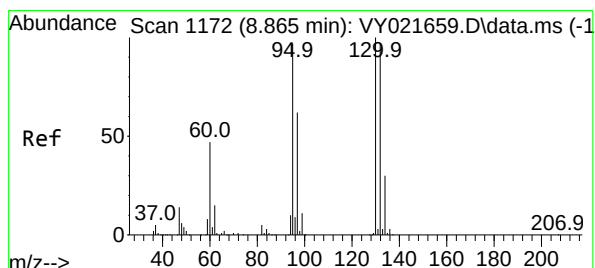
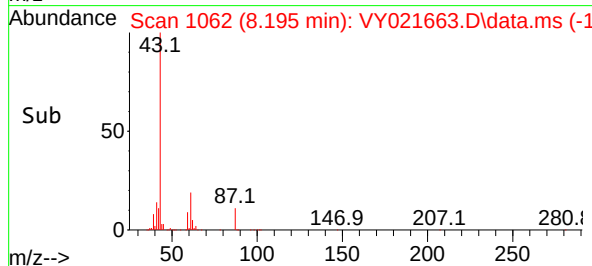
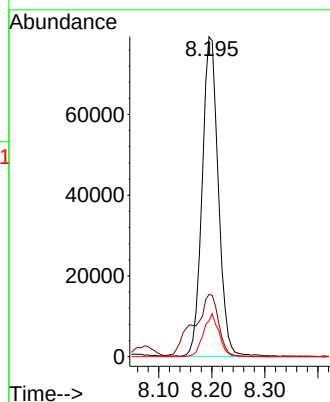
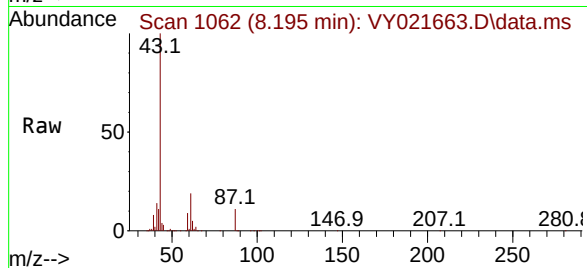
ICVY032725

Tgt Ion: 43 Resp: 167470
Ion Ratio Lower Upper
43 100
61 30.0 15.9 23.9
87 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 49.933 ug/l

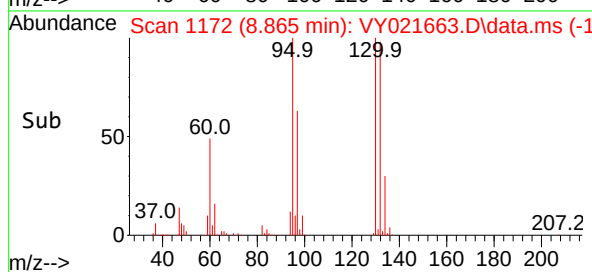
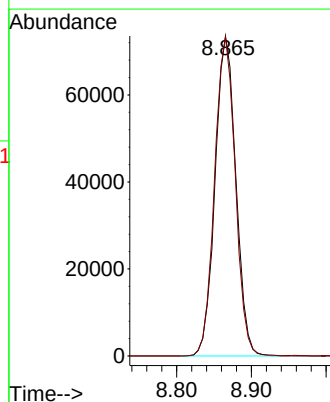
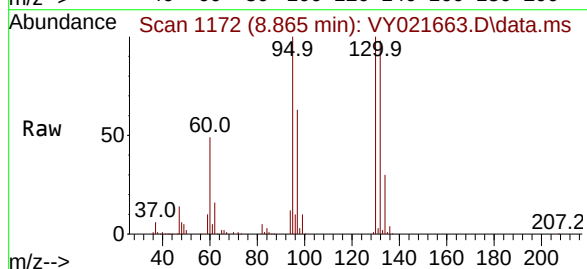
RT: 8.865 min Scan# 1172

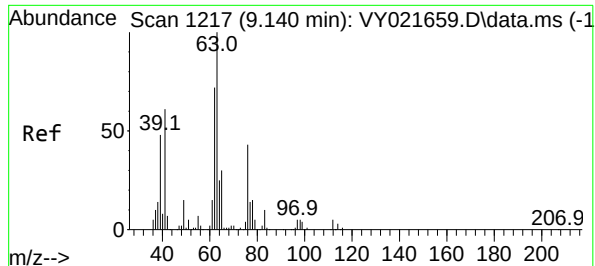
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:130 Resp: 142392
Ion Ratio Lower Upper
130 100
95 99.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 50.158 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 63 Resp: 13288

Ion Ratio Lower Upper

63 100

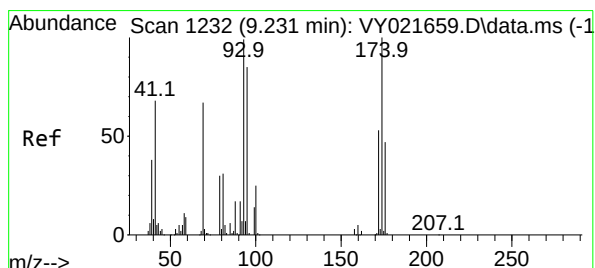
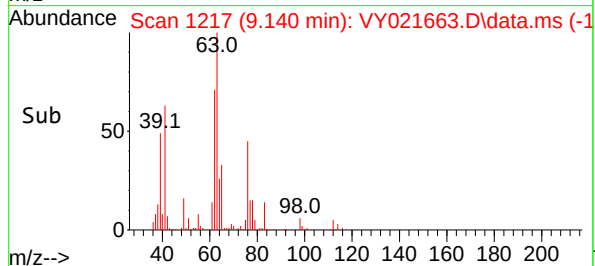
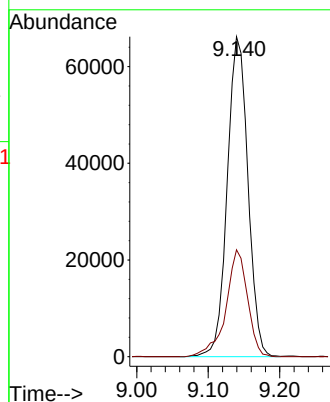
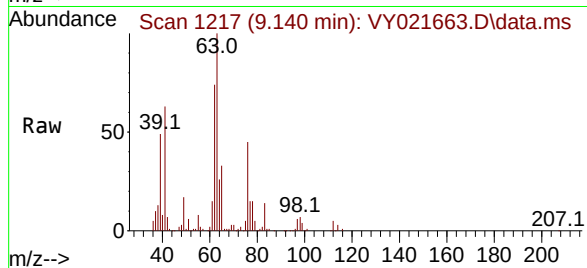
65 33.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 50.052 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

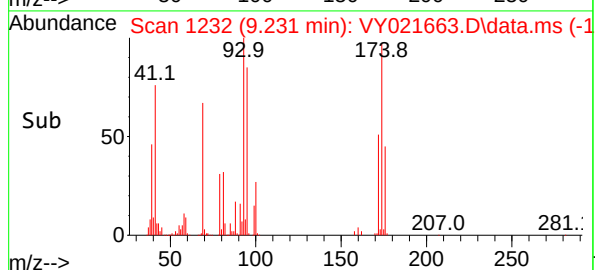
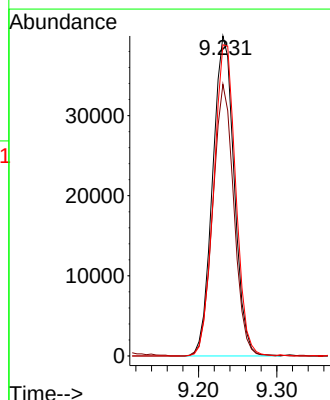
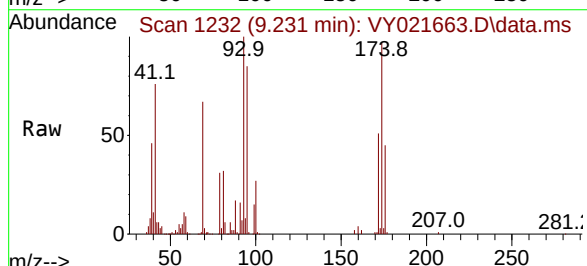
Tgt Ion: 93 Resp: 76421

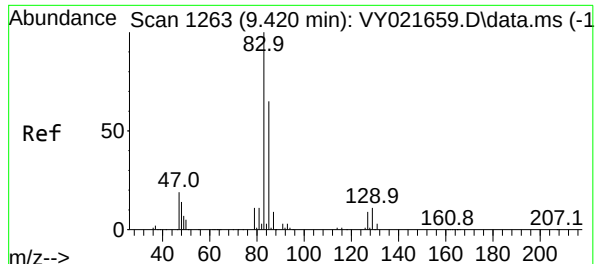
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 99.0 80.9 121.3





#47

Bromodichloromethane

Concen: 50.530 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021663.D

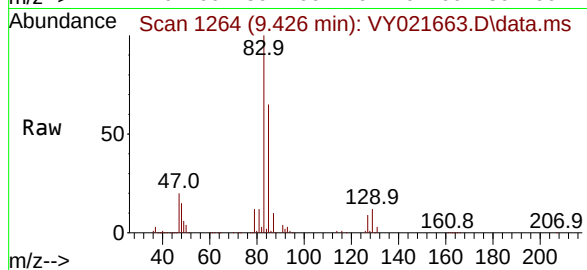
Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

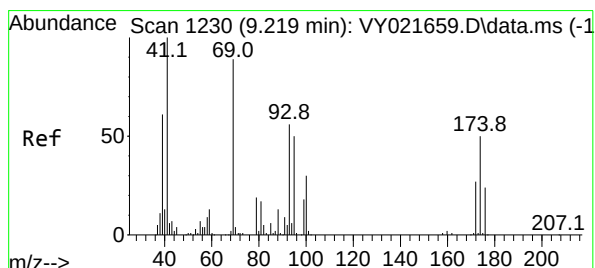
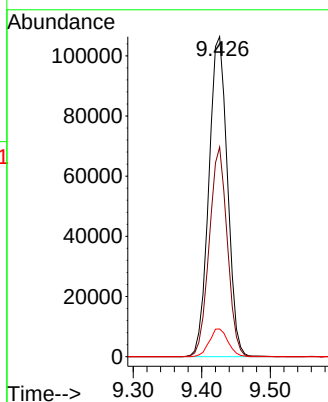
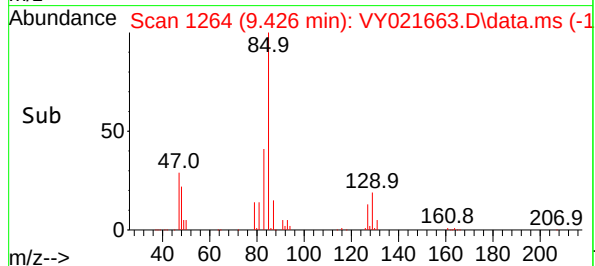


Tgt Ion:	83	Resp:	19991
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

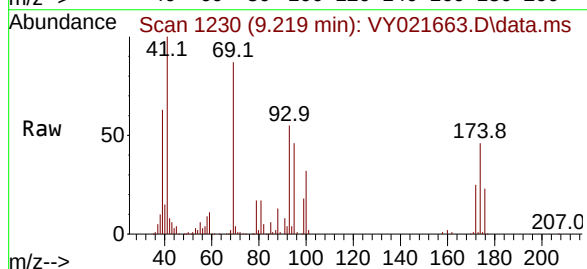
Concen: 52.076 ug/l

RT: 9.219 min Scan# 1230

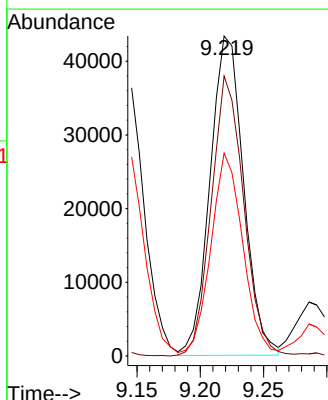
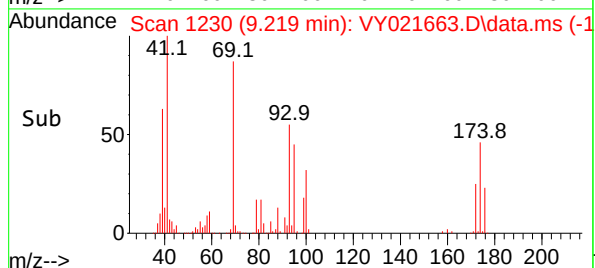
Delta R.T. -0.000 min

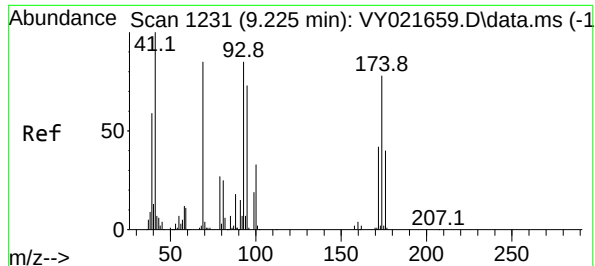
Lab File: VY021663.D

Acq: 27 Mar 2025 13:15



Tgt Ion:	41	Resp:	79887
Ion	Ratio	Lower	Upper
41	100		
69	84.8	69.8	104.8
39	58.6	47.2	70.8





#49

1,4-Dioxane

Concen: 1006.593 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 88 Resp: 16464

Ion Ratio Lower Upper

88 100

43 32.8 28.8 43.2

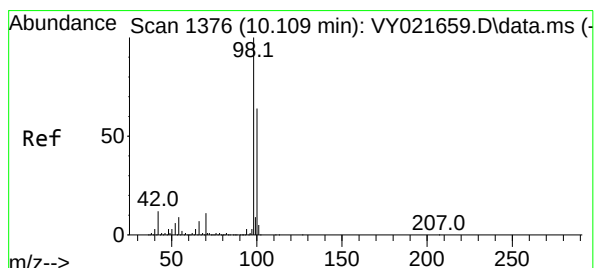
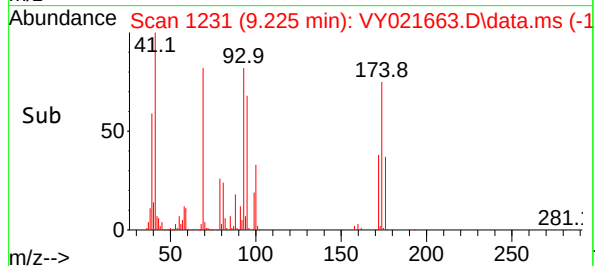
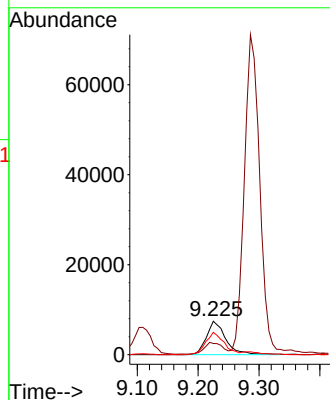
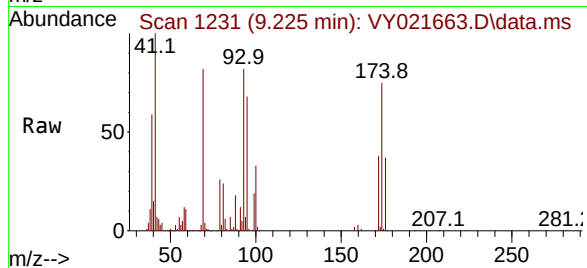
58 63.4 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 55.117 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021663.D

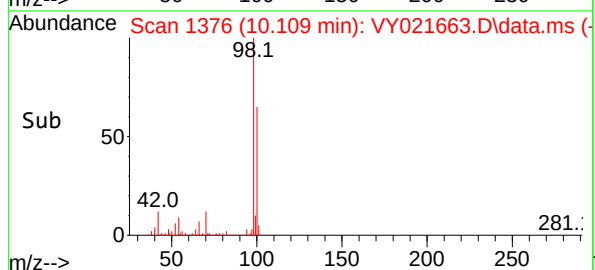
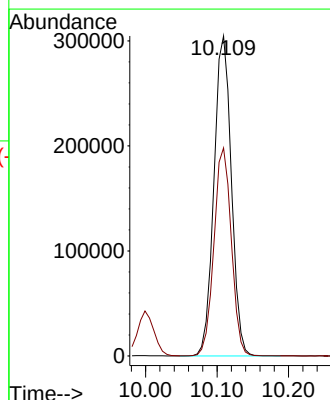
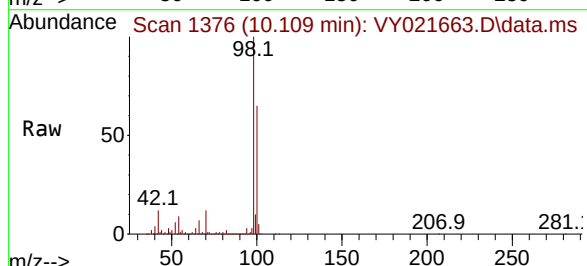
Acq: 27 Mar 2025 13:15

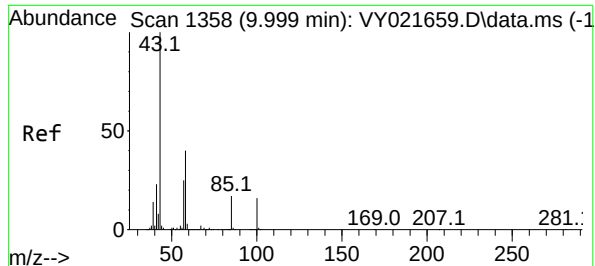
Tgt Ion: 98 Resp: 514482

Ion Ratio Lower Upper

98 100

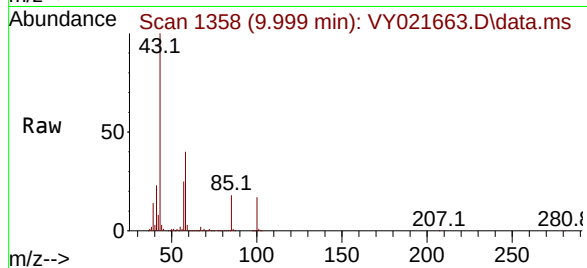
100 65.0 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

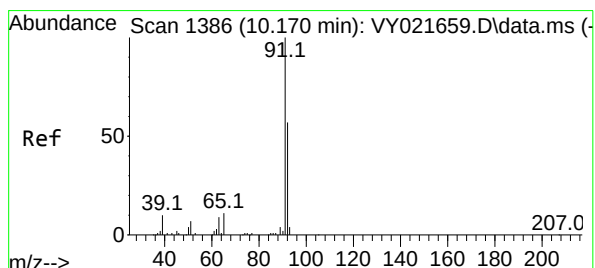
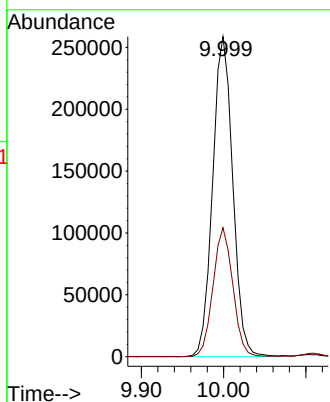
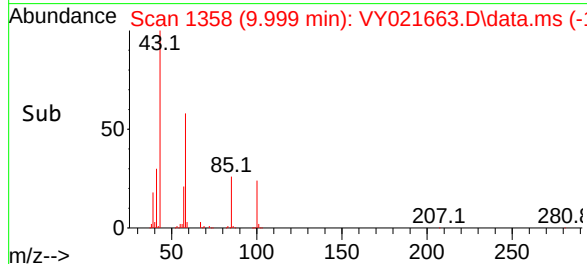
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 43 Resp: 439879
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

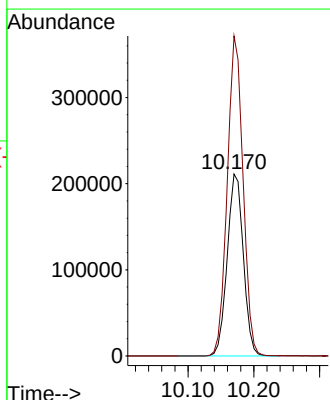
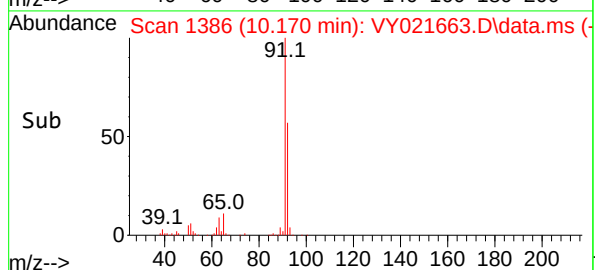
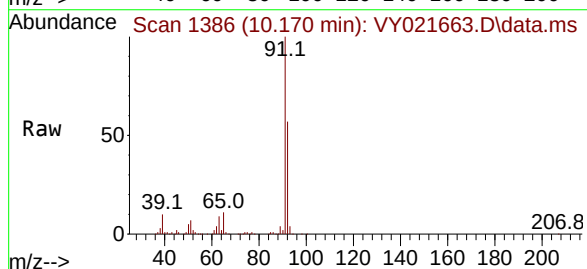
Manual Integrations
APPROVED

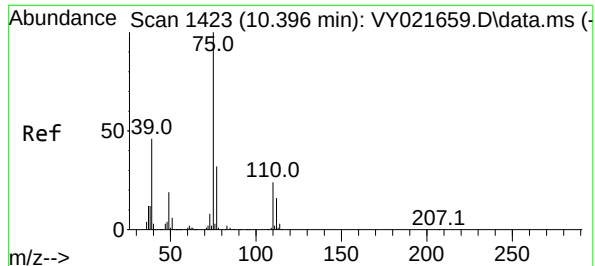
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

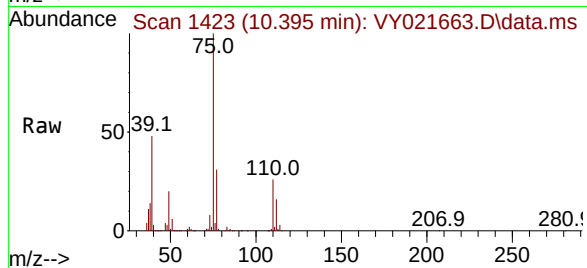
Tgt Ion: 92 Resp: 360002
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

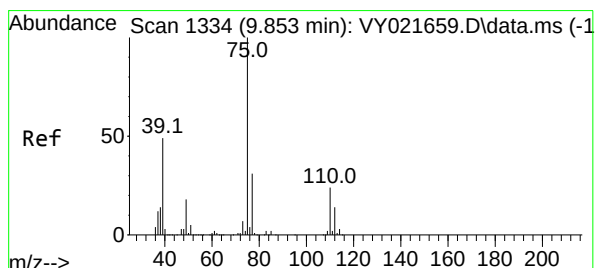
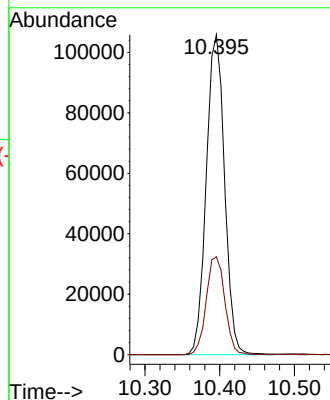
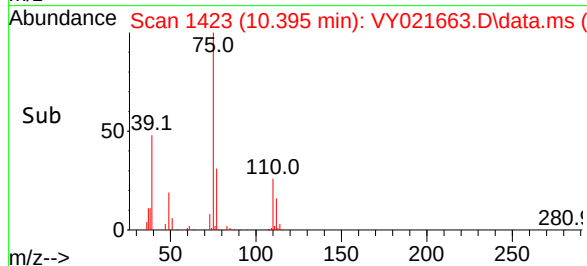
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725



Tgt Ion: 75 Resp: 179752
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9

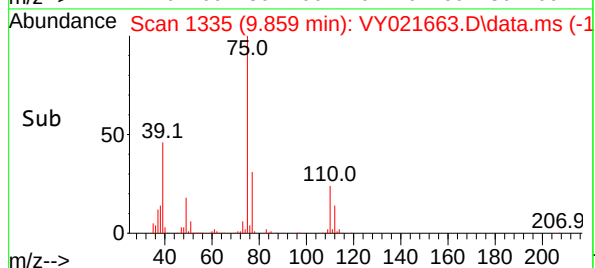
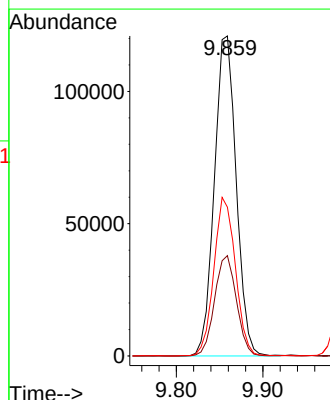
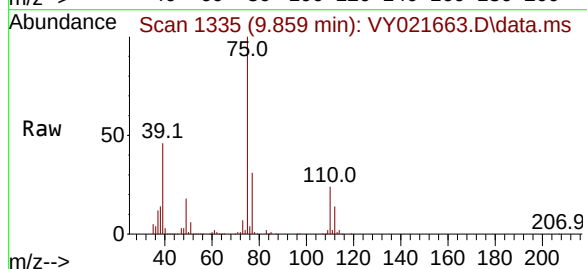
Manual Integrations
APPROVED

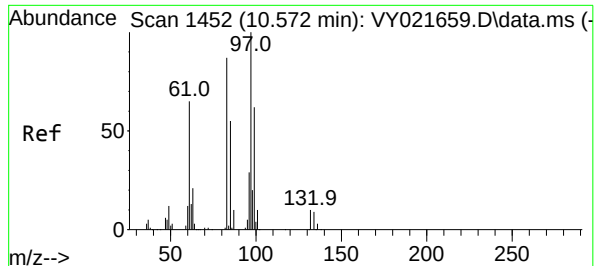
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

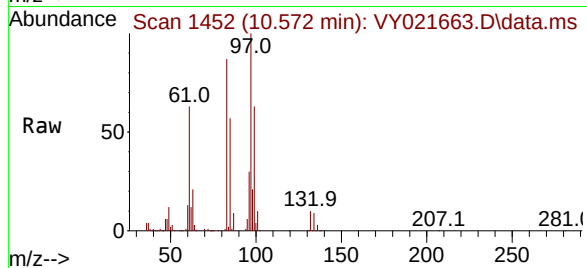
Tgt Ion: 75 Resp: 212066
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 46.4 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

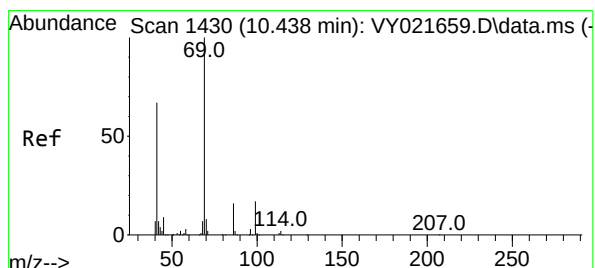
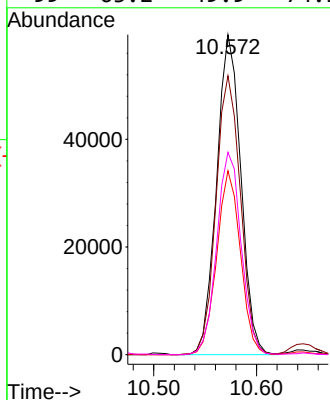
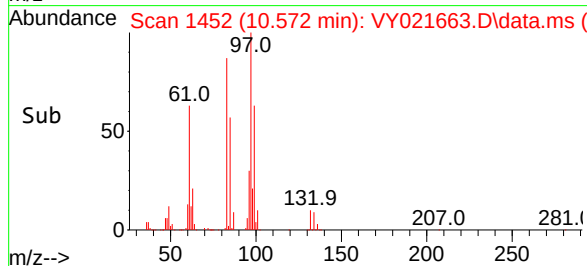
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 97 Resp: 9756
Ion Ratio Lower Upper
97 100
83 87.1 69.5 104.3
85 57.4 43.9 65.9
99 63.2 49.9 74.9

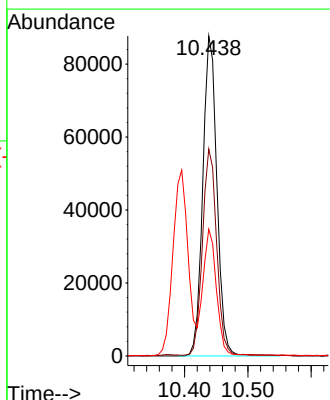
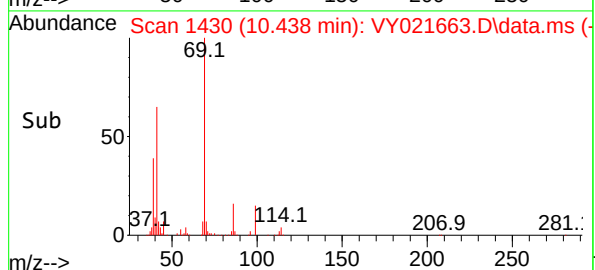
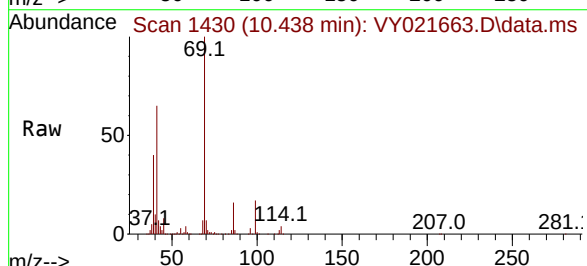
Manual Integrations
APPROVED

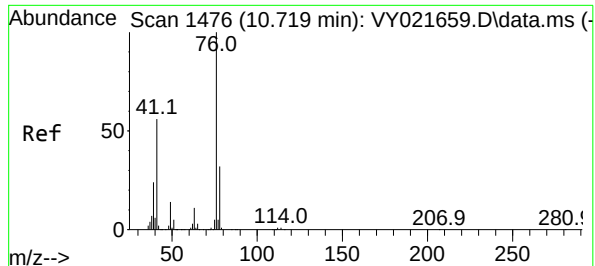
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

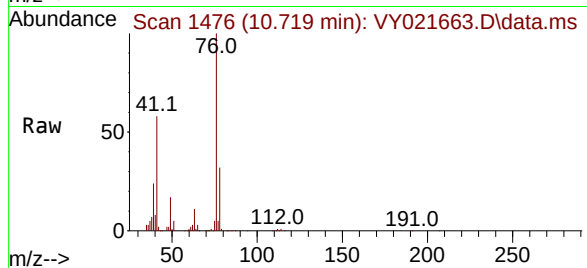
Tgt Ion: 69 Resp: 136411
Ion Ratio Lower Upper
69 100
41 64.4 53.8 80.6
39 37.0 29.6 44.4





#57
1,3-Dichloropropane
Concen: 50.563 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

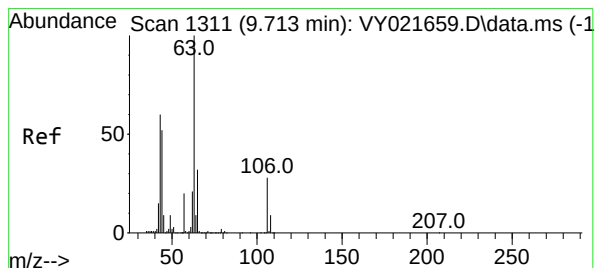
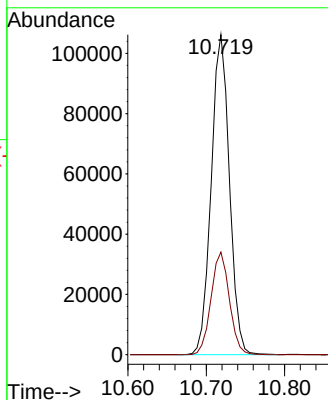
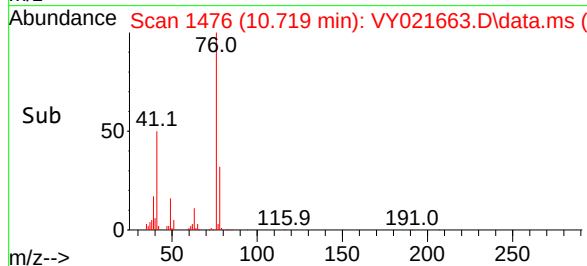
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 76 Resp: 171579
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.8

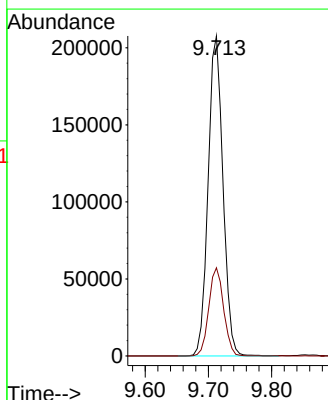
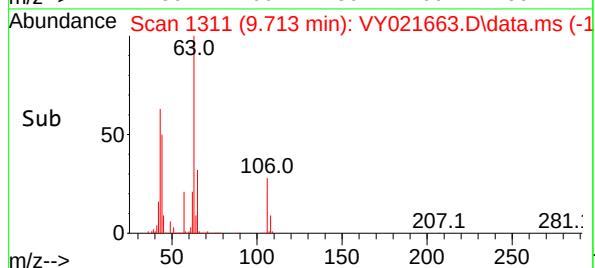
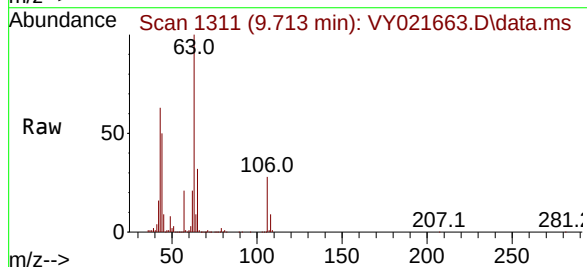
Manual Integrations
APPROVED

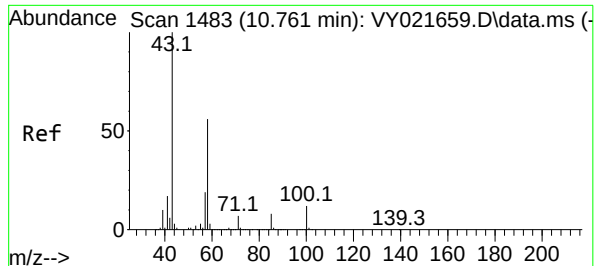
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 276.714 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

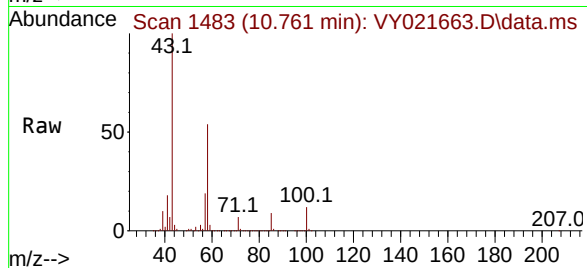
Tgt Ion: 63 Resp: 338673
Ion Ratio Lower Upper
63 100
106 27.5 22.4 33.6





#59
2-Hexanone
Concen: 255.065 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

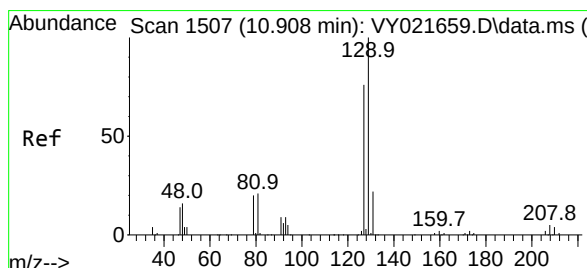
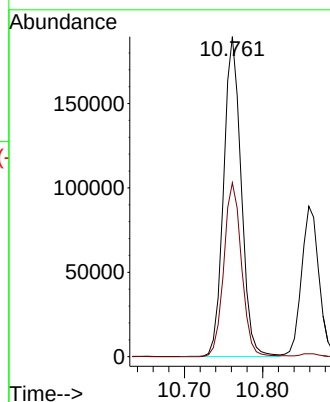
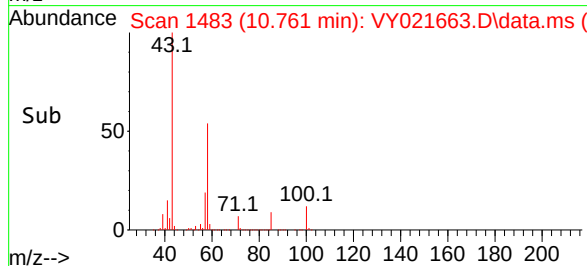
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 43 Resp: 295472
Ion Ratio Lower Upper
43 100
58 55.0 27.2 81.5

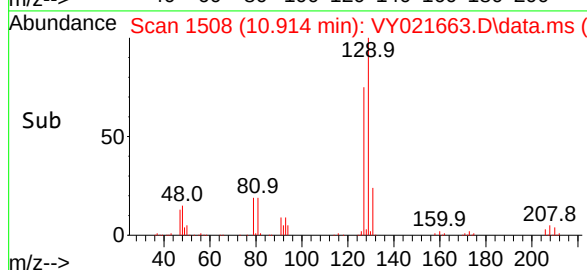
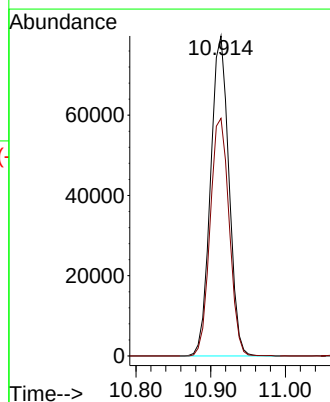
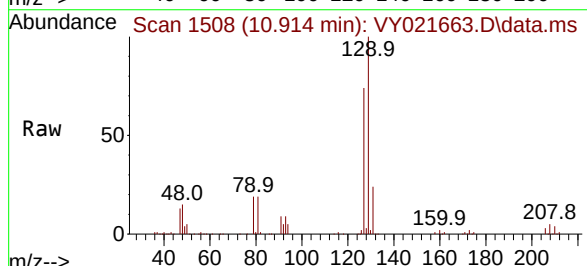
Manual Integrations
APPROVED

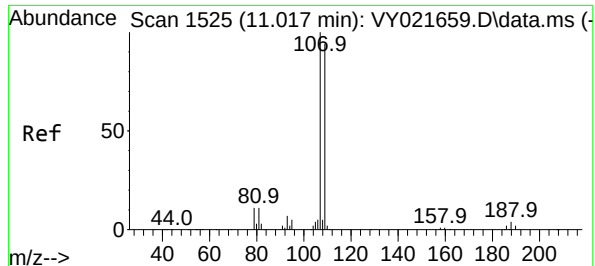
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 50.679 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

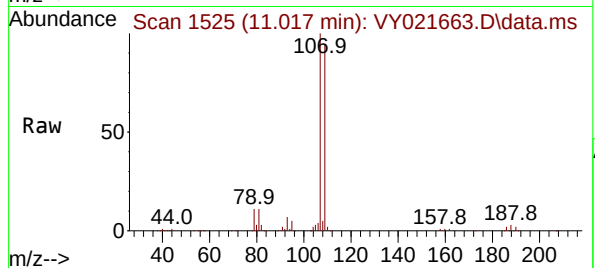
Tgt Ion:129 Resp: 135955
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

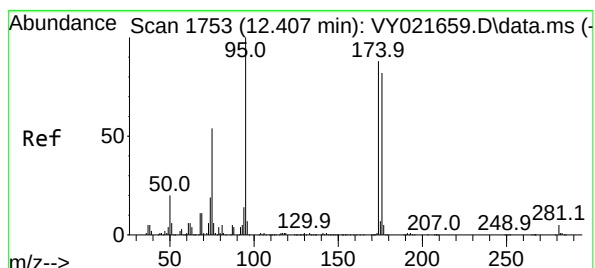
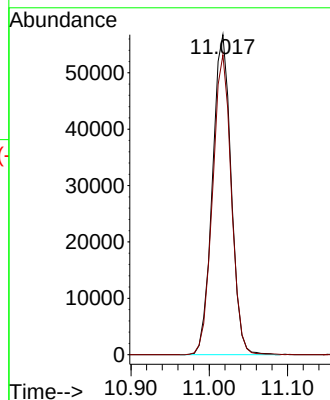
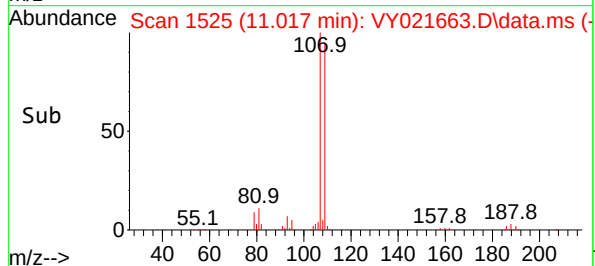
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:107 Resp: 9394
Ion Ratio Lower Upper
107 100
109 94.0 74.4 111.6

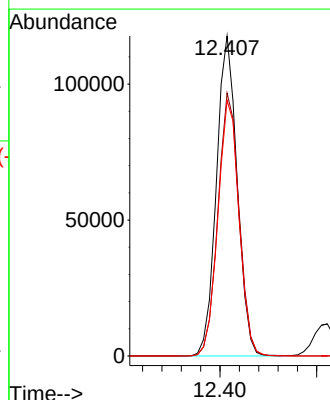
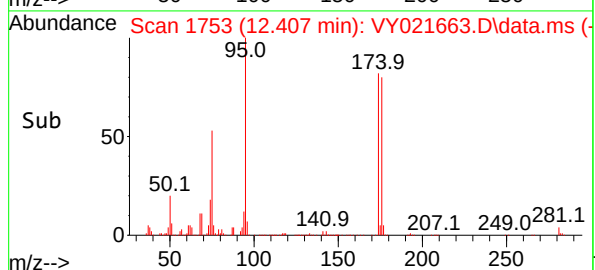
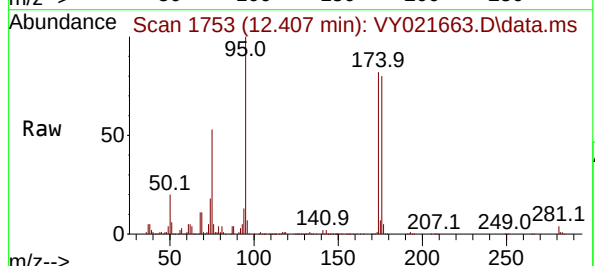
Manual Integrations
APPROVED

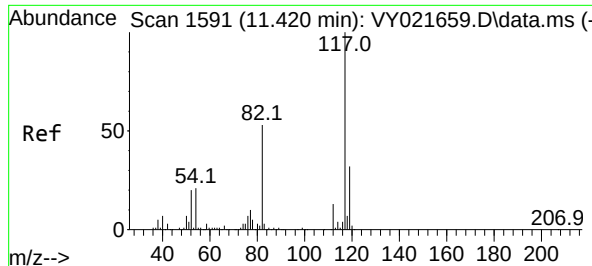
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

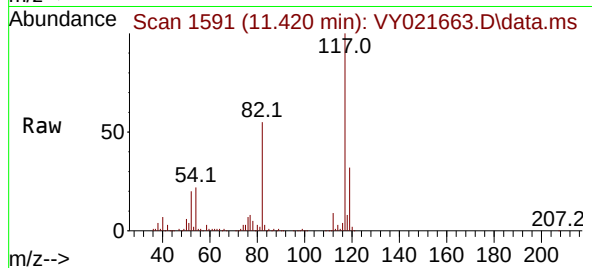
Tgt Ion: 95 Resp: 174721
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 81.4 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

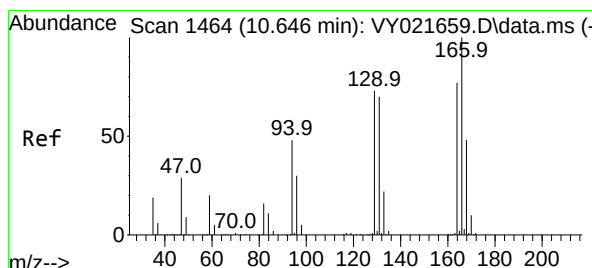
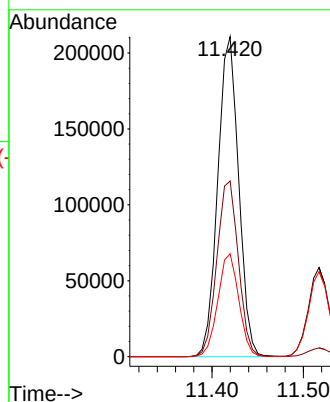
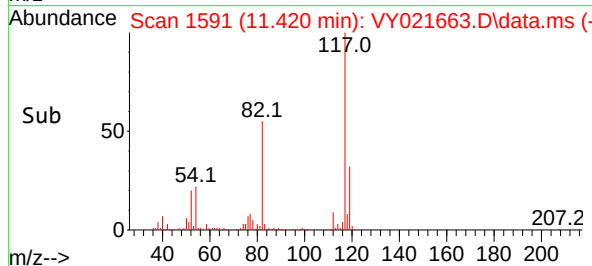
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:117 Resp: 33506
Ion Ratio Lower Upper
117 100
82 54.9 42.8 64.2
119 32.1 25.7 38.5

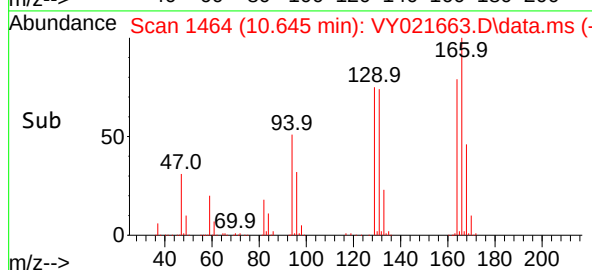
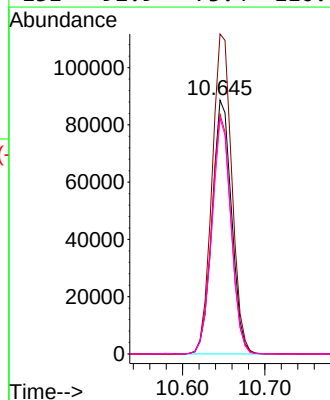
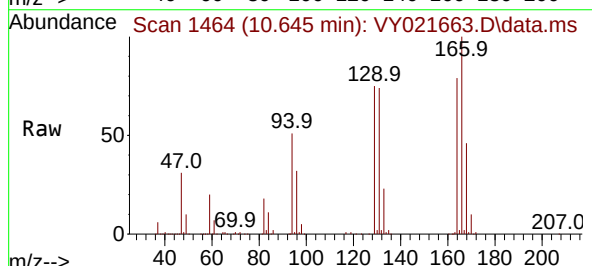
Manual Integrations
APPROVED

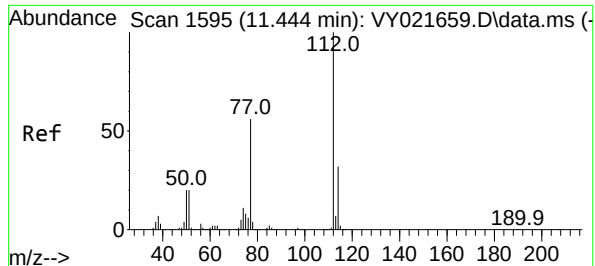
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 47.757 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

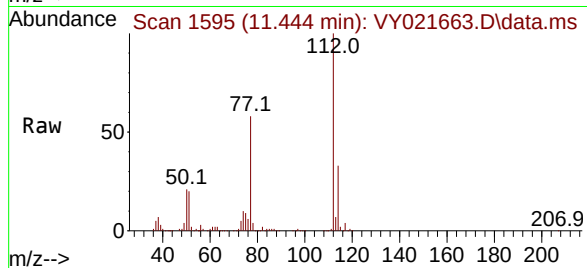
Tgt Ion:164 Resp: 145736
Ion Ratio Lower Upper
164 100
166 126.1 104.6 156.8
129 94.4 76.6 114.8
131 92.9 73.4 110.0





#65
Chlorobenzene
Concen: 50.384 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

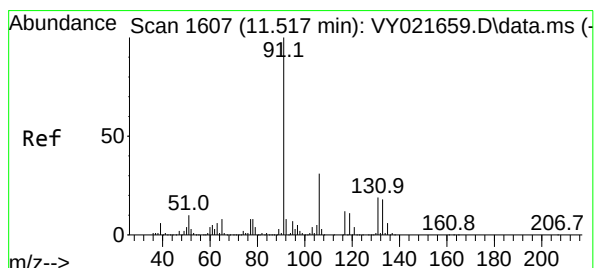
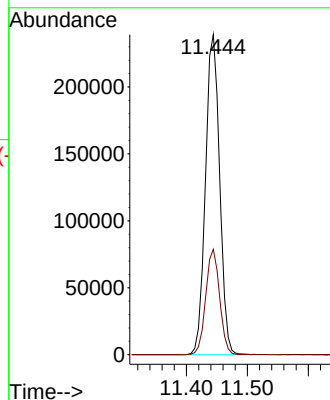
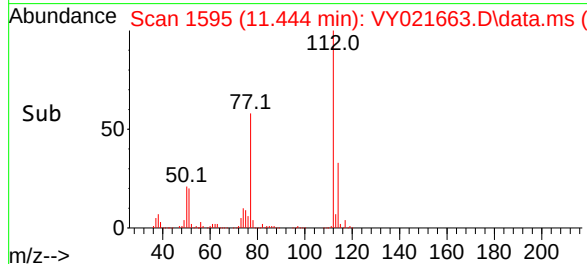
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion:112 Resp: 38698
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

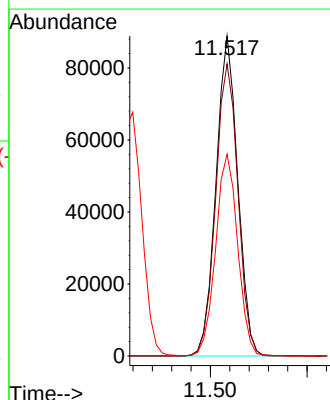
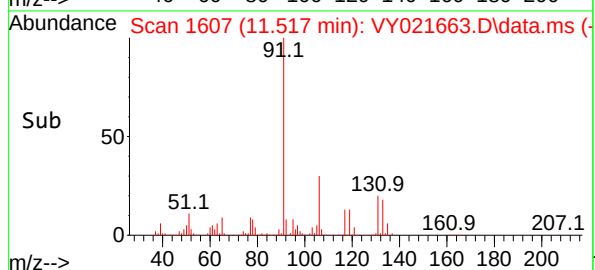
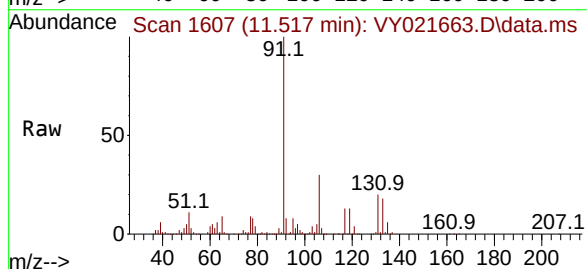
Manual Integrations
APPROVED

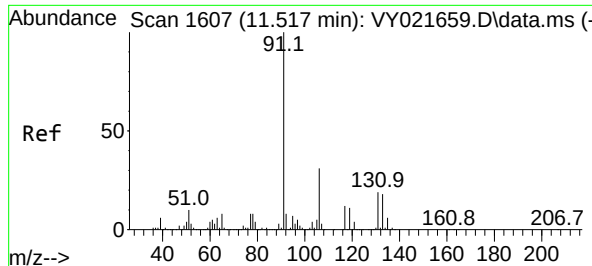
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:131 Resp: 138442
Ion Ratio Lower Upper
131 100
133 93.8 47.3 141.8
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 52.346 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 91 Resp: 689434

Ion Ratio Lower Upper

91 100

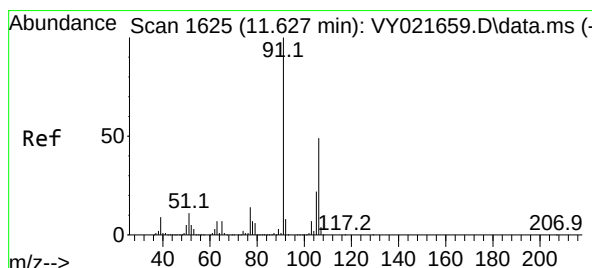
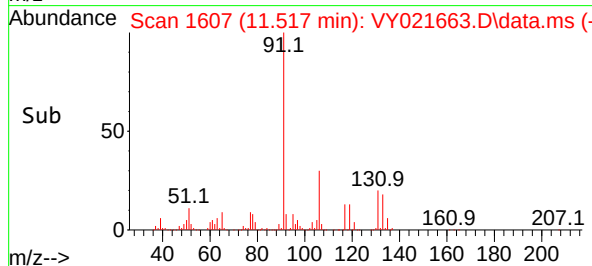
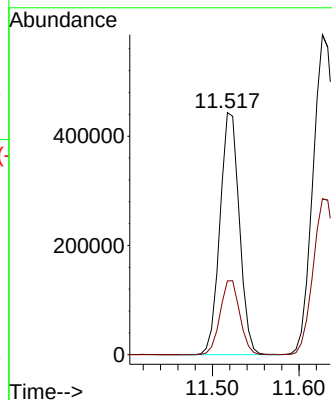
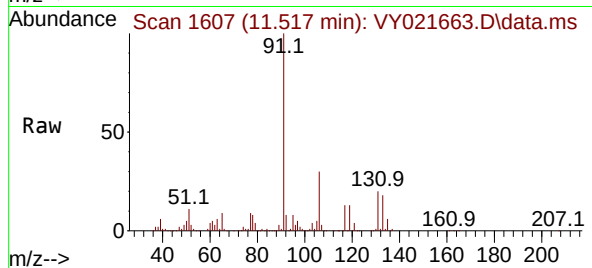
106 30.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 105.402 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021663.D

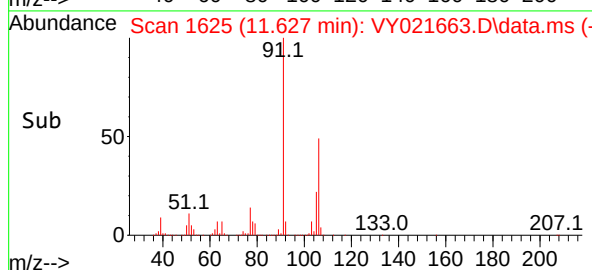
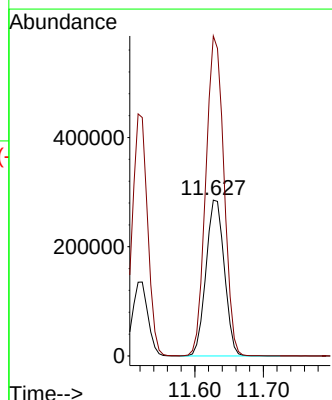
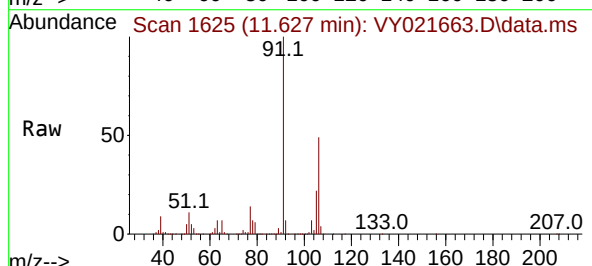
Acq: 27 Mar 2025 13:15

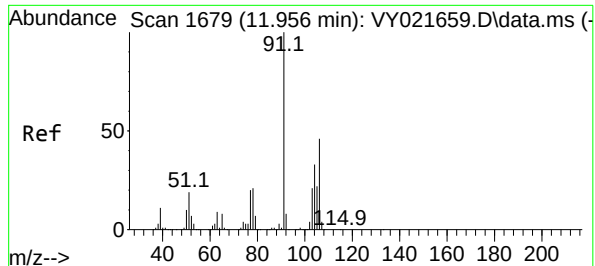
Tgt Ion:106 Resp: 531589

Ion Ratio Lower Upper

106 100

91 202.3 162.4 243.6





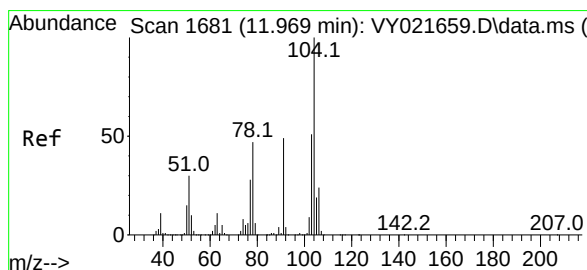
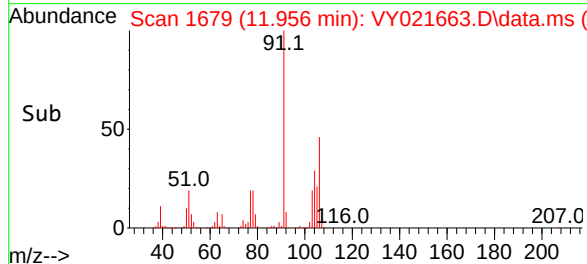
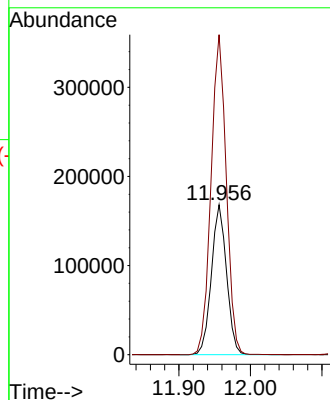
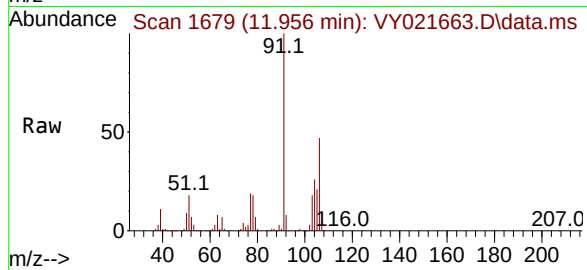
#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion:106 Resp: 247091
Ion Ratio Lower Upper
106 100
91 214.6 106.7 319.9

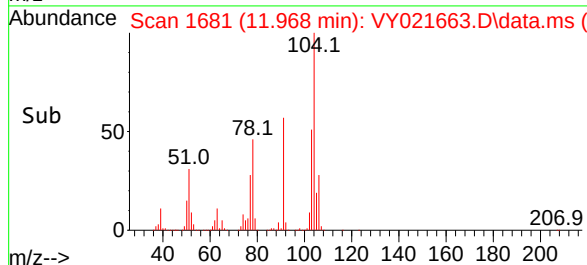
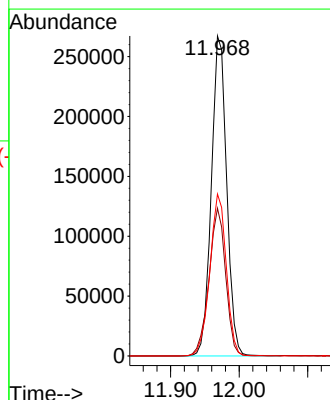
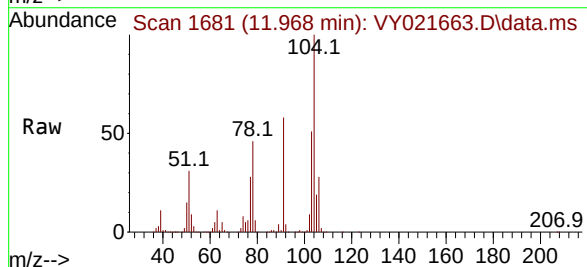
Manual Integrations
APPROVED

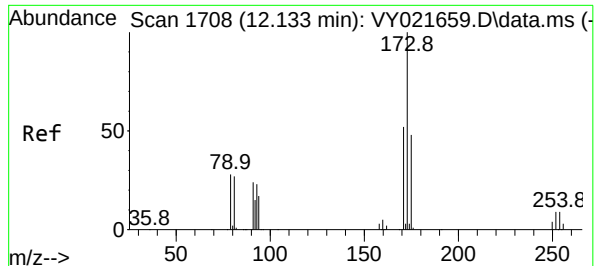
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

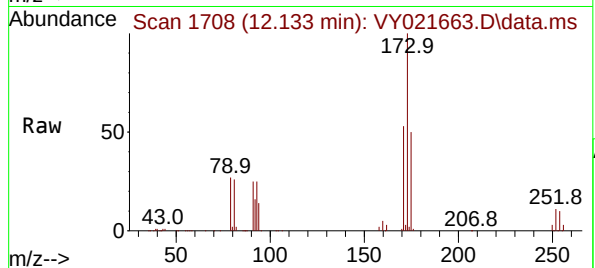
Tgt Ion:104 Resp: 416261
Ion Ratio Lower Upper
104 100
78 50.1 40.8 61.2
103 54.3 44.2 66.2





#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

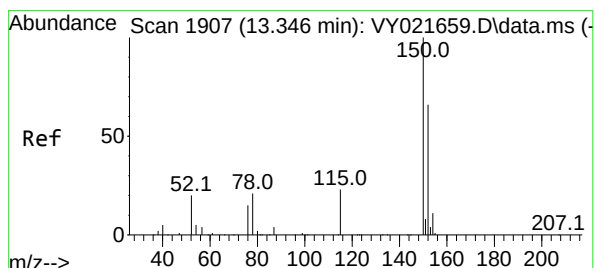
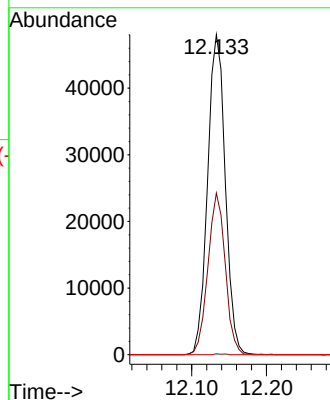
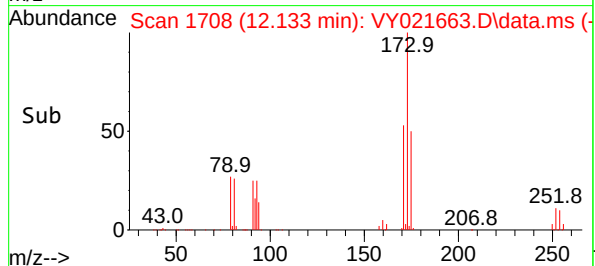
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



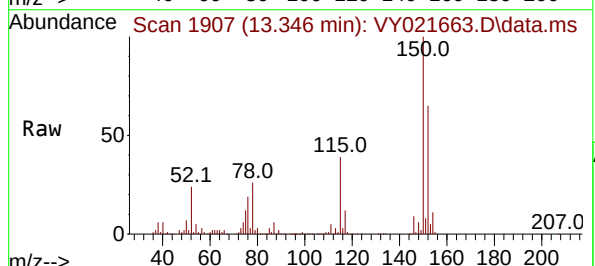
Tgt Ion:173 Resp: 78932
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
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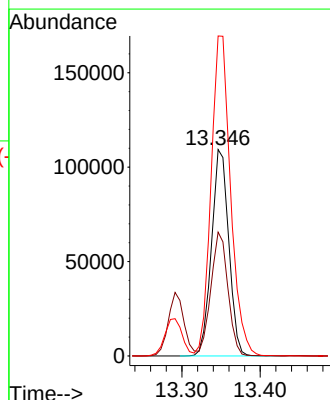
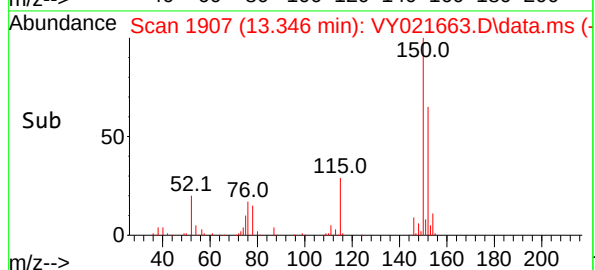
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

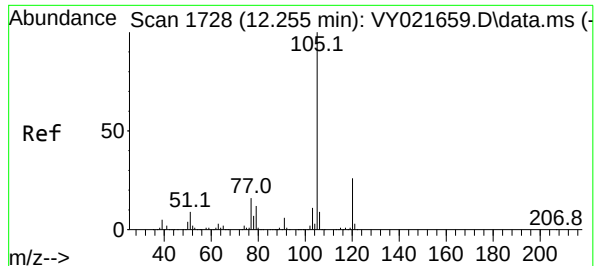


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



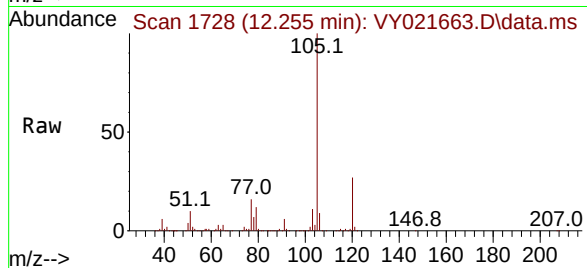
Tgt Ion:152 Resp: 166949
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 175.8 0.0 348.4





#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

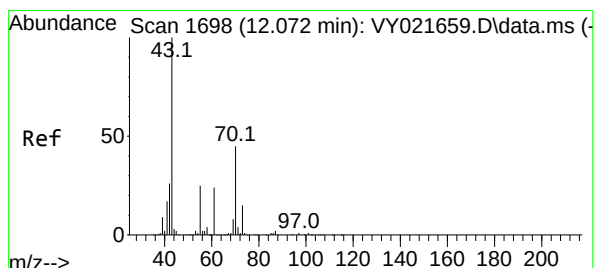
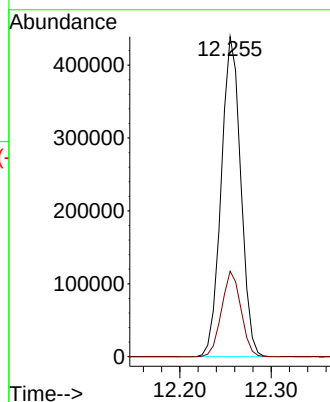
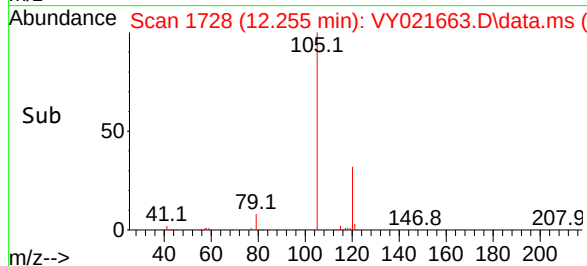
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:105 Resp: 65354
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

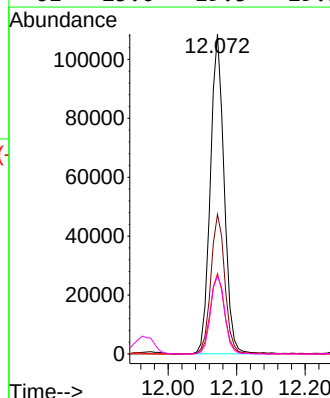
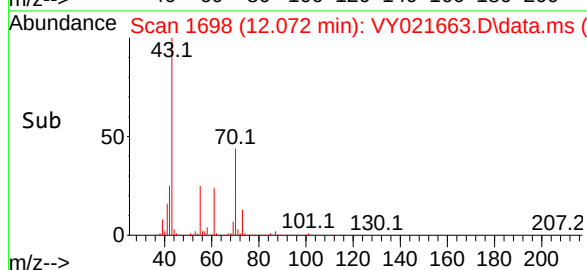
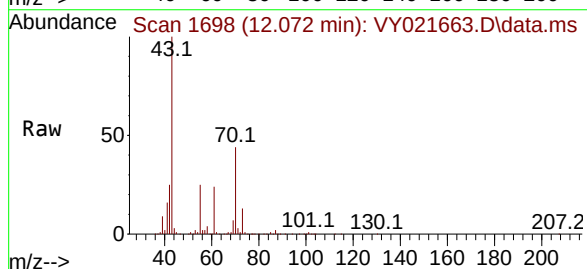
Manual Integrations
APPROVED

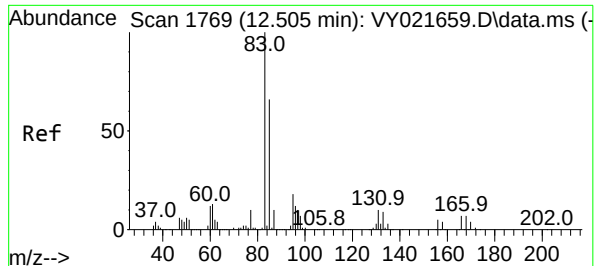
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

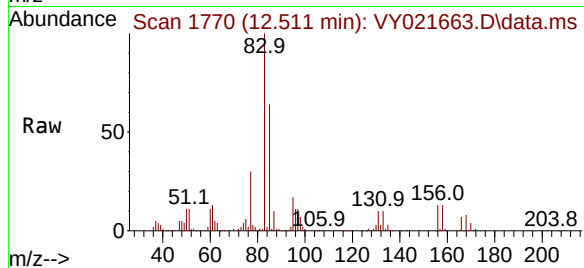
Tgt Ion: 43 Resp: 152268
Ion Ratio Lower Upper
43 100
70 44.6 34.7 52.1
55 26.0 21.2 31.8
61 25.0 19.5 29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 49.266 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

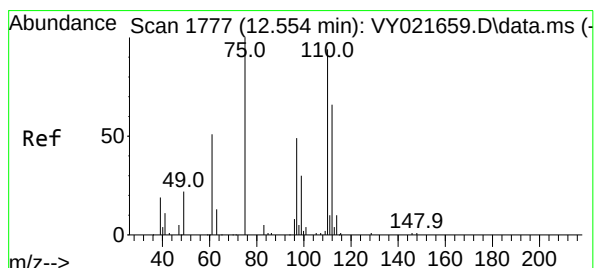
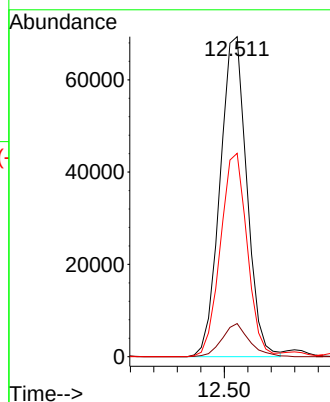
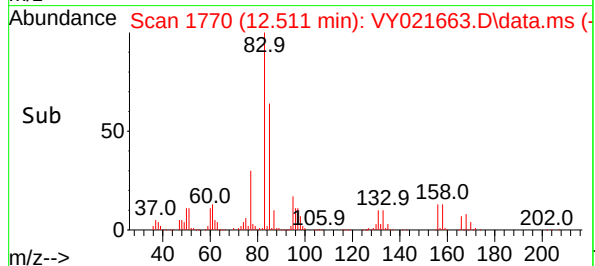
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 83 Resp: 10983
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 63.6 32.3 96.8

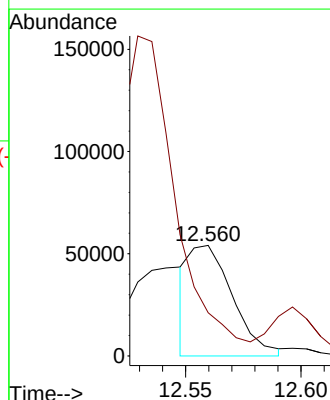
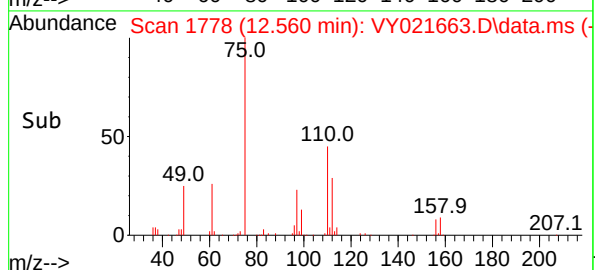
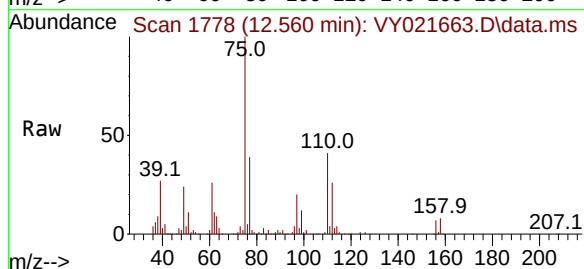
Manual Integrations
APPROVED

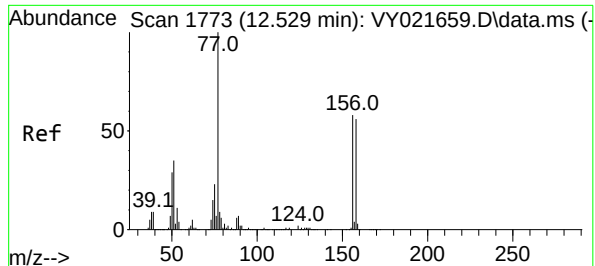
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 42.688 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

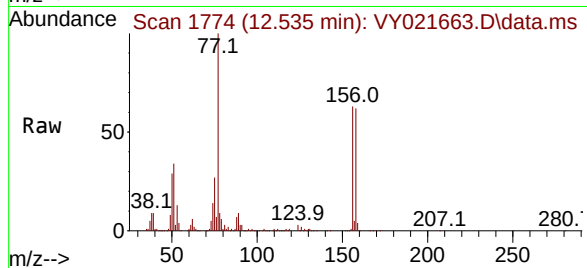
Tgt Ion: 75 Resp: 70644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

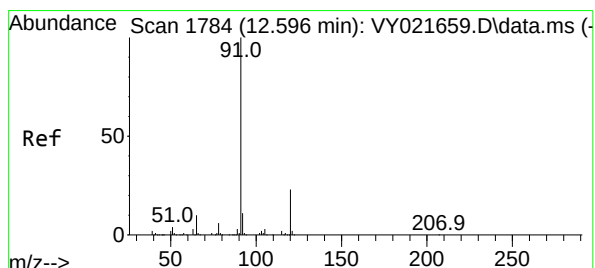
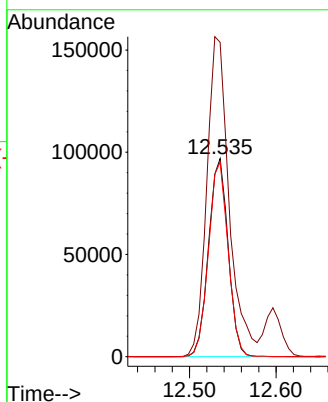
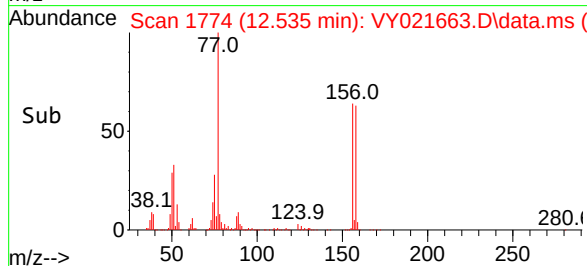
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:156 Resp: 15221
Ion Ratio Lower Upper
156 100
77 184.2 92.8 278.3
158 98.1 48.5 145.6

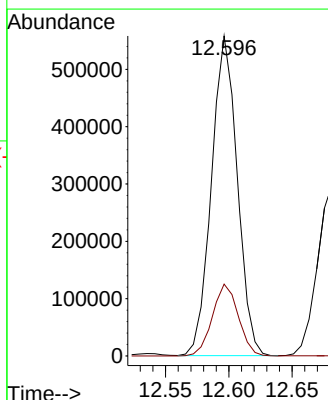
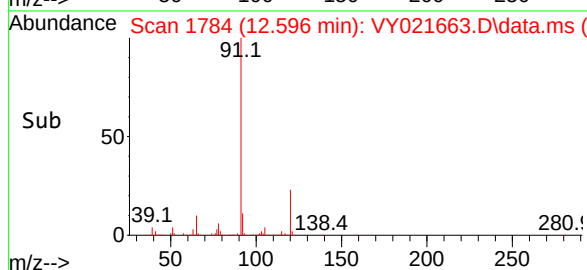
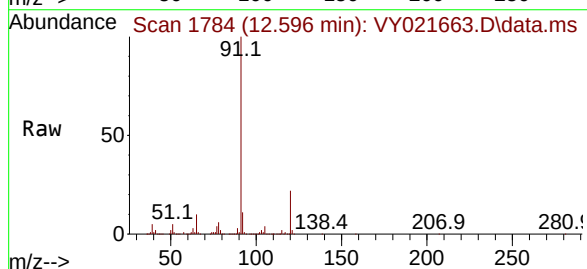
Manual Integrations
APPROVED

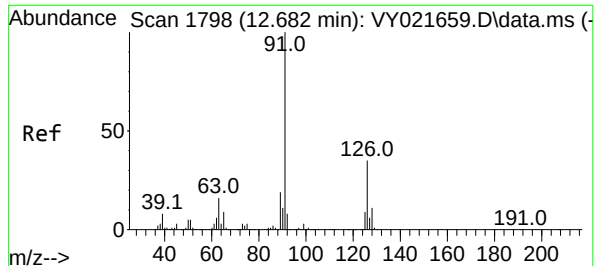
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 53.182 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 792814
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 51.671 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 91 Resp: 447402

Ion Ratio Lower Upper

91 100

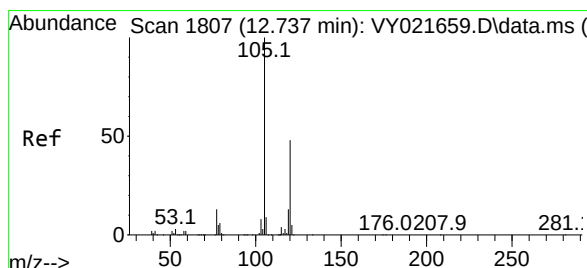
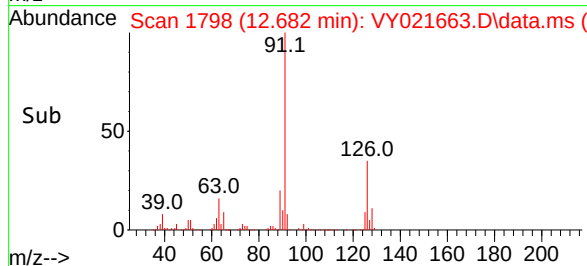
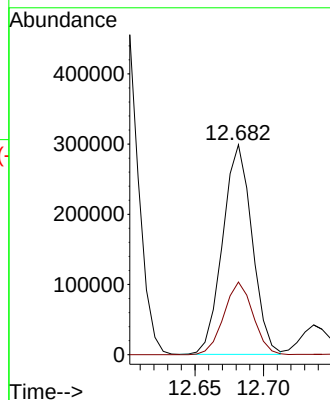
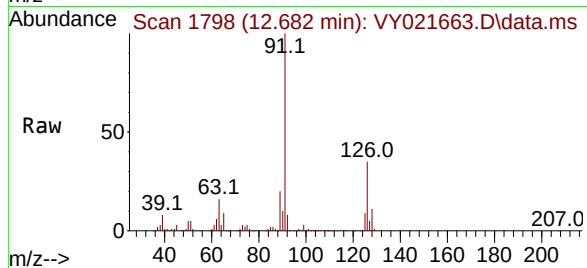
126 34.3 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.236 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021663.D

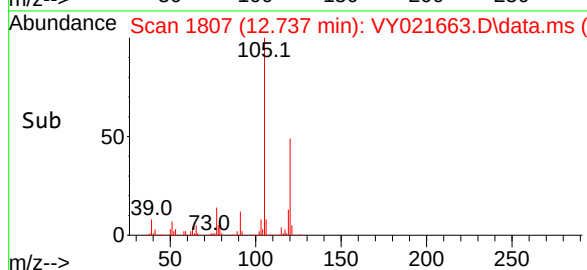
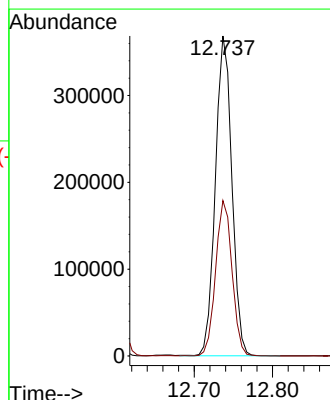
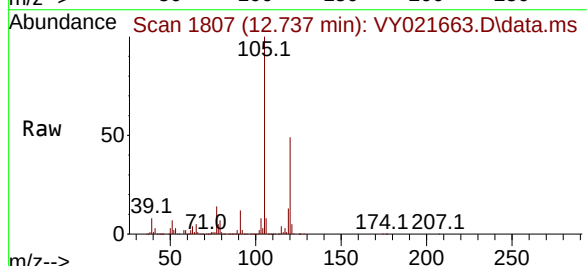
Acq: 27 Mar 2025 13:15

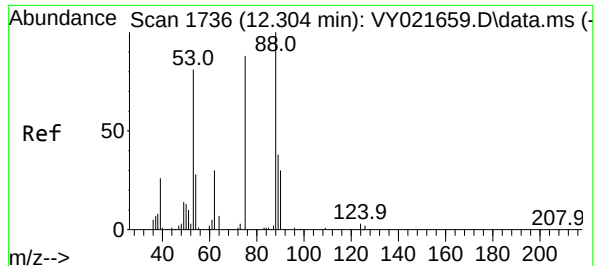
Tgt Ion:105 Resp: 539512

Ion Ratio Lower Upper

105 100

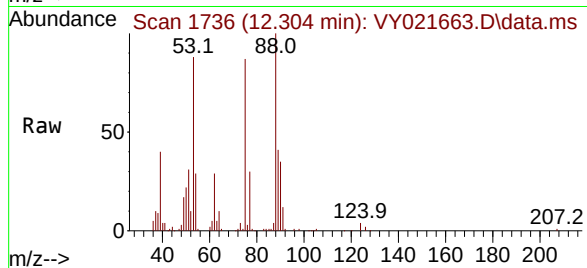
120 48.4 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

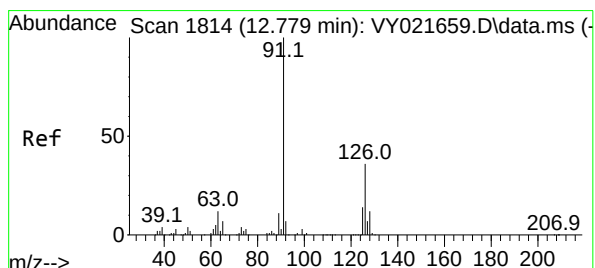
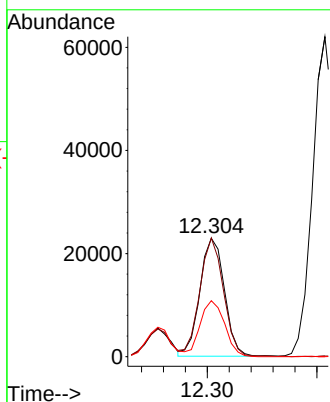
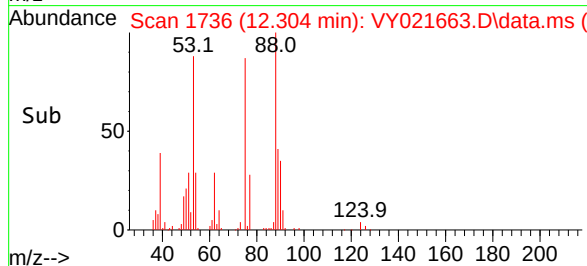
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.1	114.1
89	47.3	36.2	54.4

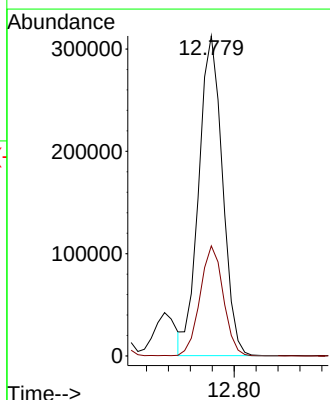
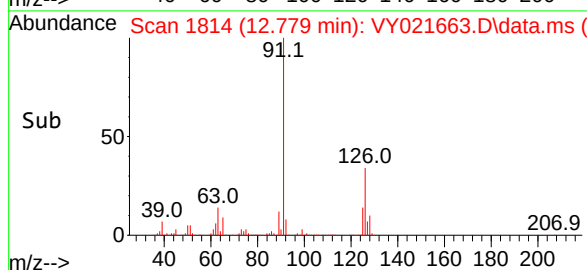
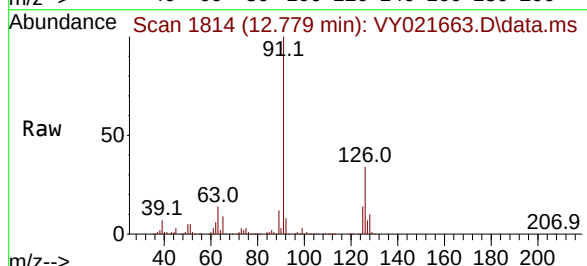
Manual Integrations
APPROVED

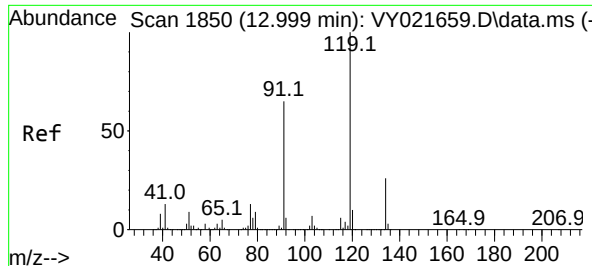
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

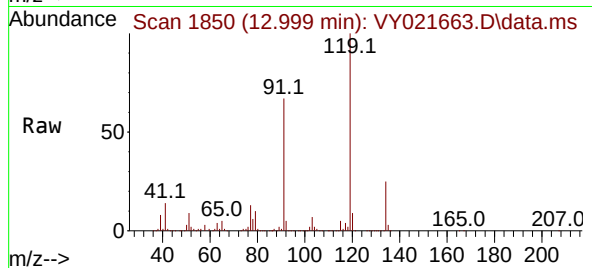
Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





#83
tert-Butylbenzene
Concen: 52.616 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

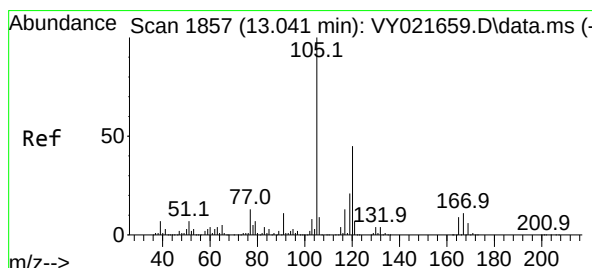
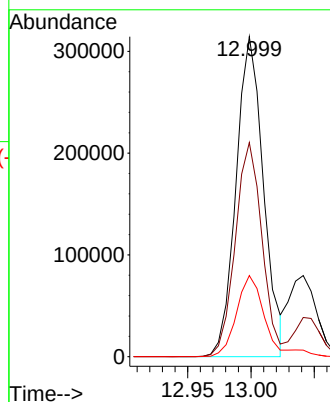
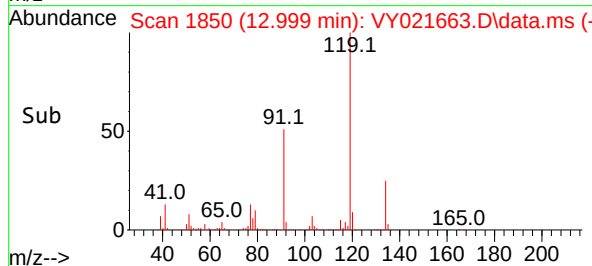
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:119 Resp: 47494
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.5 13.2 39.6

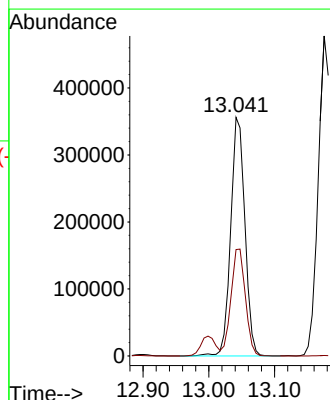
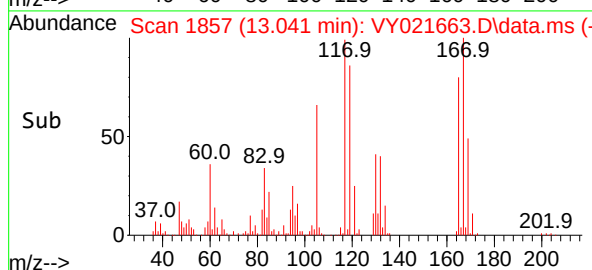
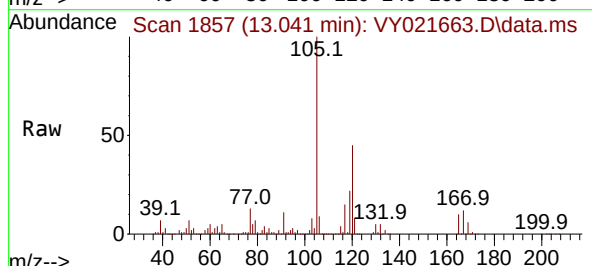
Manual Integrations
APPROVED

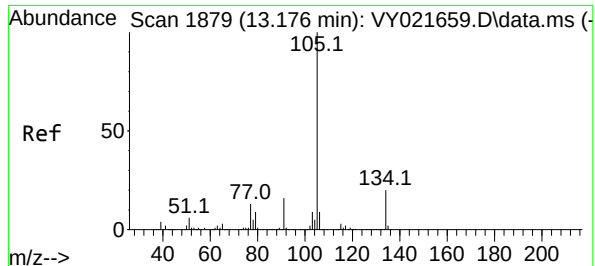
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 535411
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 52.471 ug/l

RT: 13.175 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion:105 Resp: 692180

Ion Ratio Lower Upper

105 100

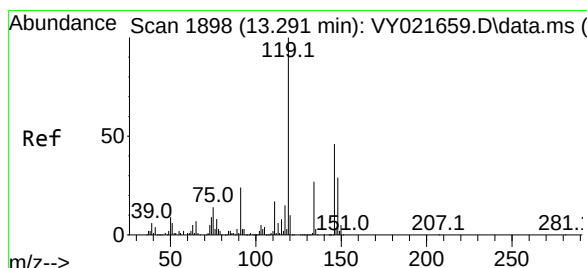
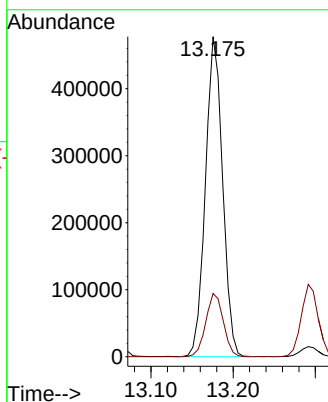
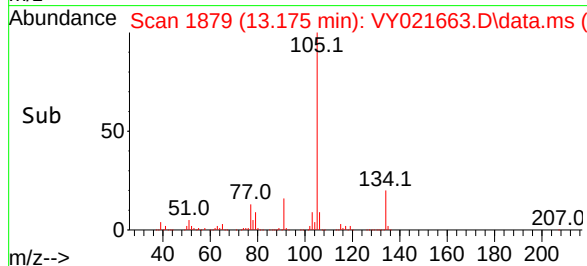
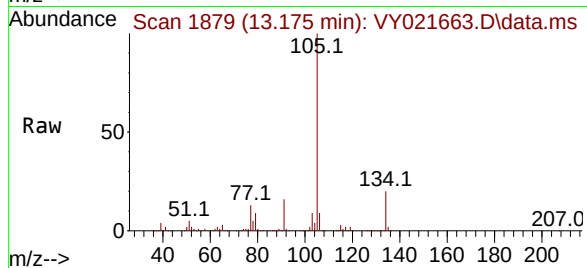
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 53.479 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

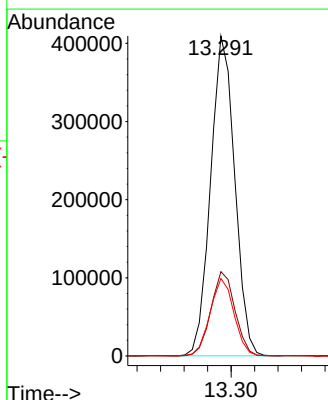
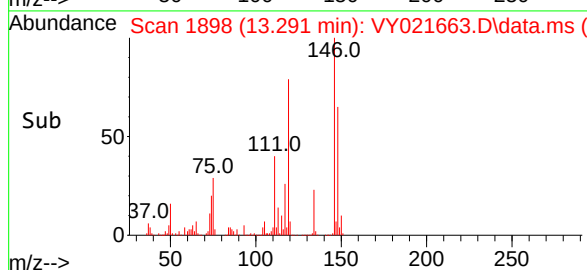
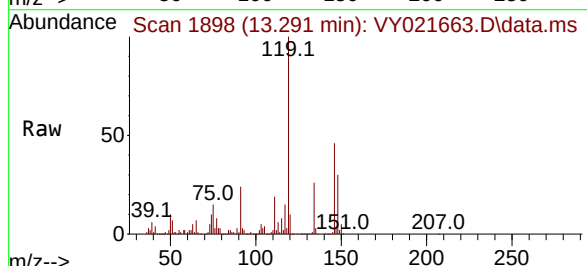
Tgt Ion:119 Resp: 583069

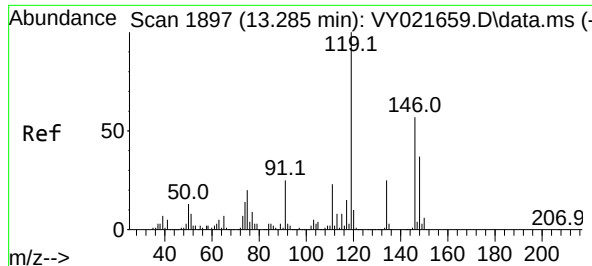
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

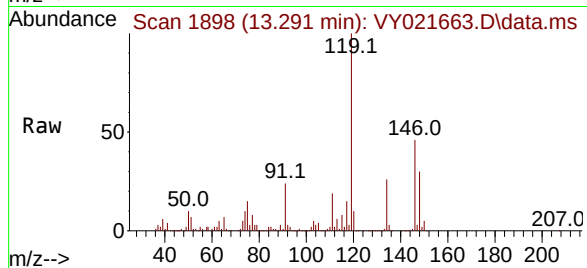
91 23.8 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

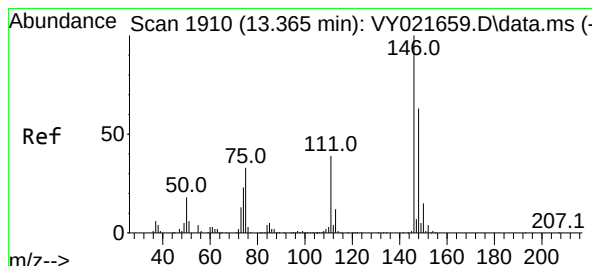
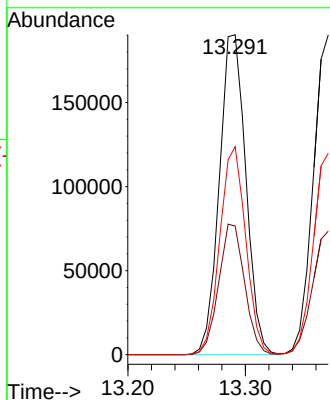
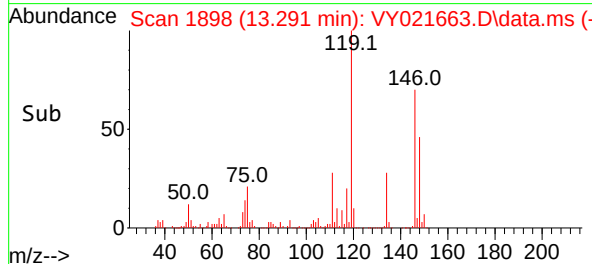
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:146 Resp: 299075
Ion Ratio Lower Upper
146 100
111 40.0 20.0 60.0
148 63.5 31.8 95.4

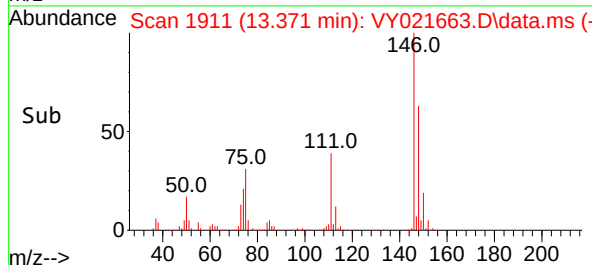
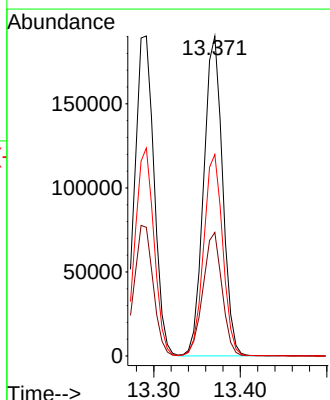
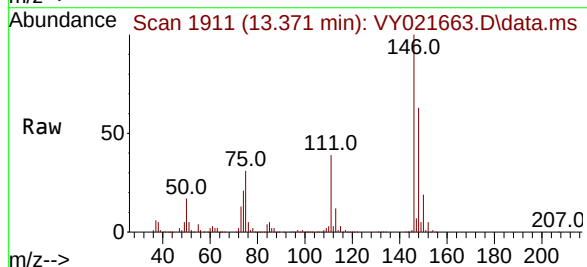
Manual Integrations
APPROVED

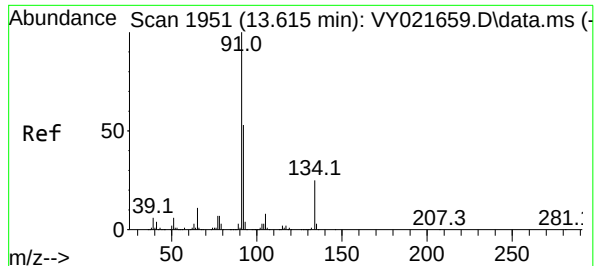
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88
1,4-Dichlorobenzene
Concen: 49.741 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

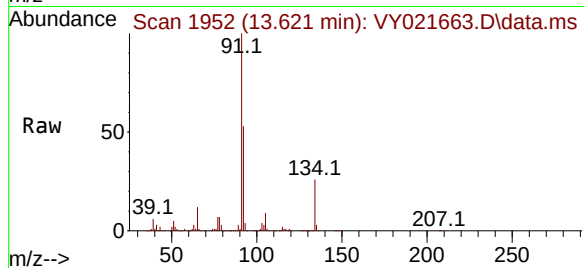
Tgt Ion:146 Resp: 288264
Ion Ratio Lower Upper
146 100
111 39.0 19.1 57.1
148 63.7 31.5 94.5





#89
n-Butylbenzene
Concen: 52.927 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

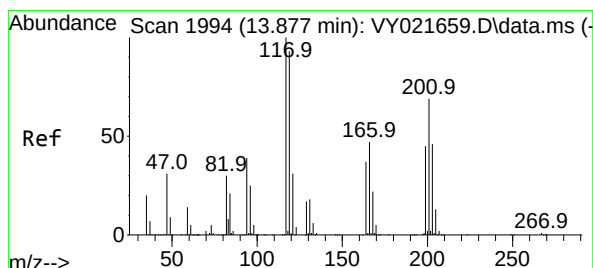
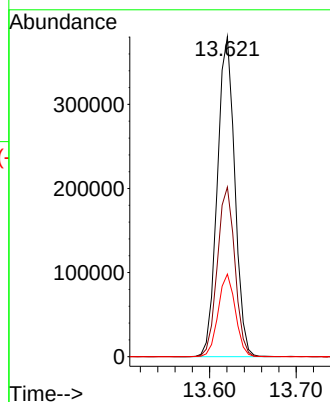
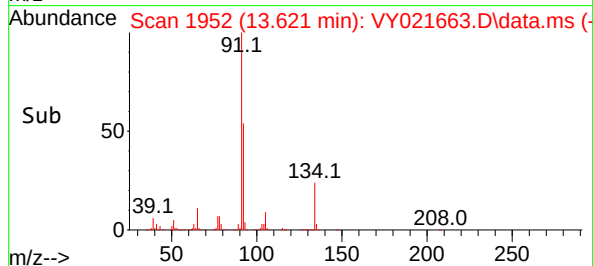
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 91 Resp: 533660
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.2
134 25.4 12.8 38.4

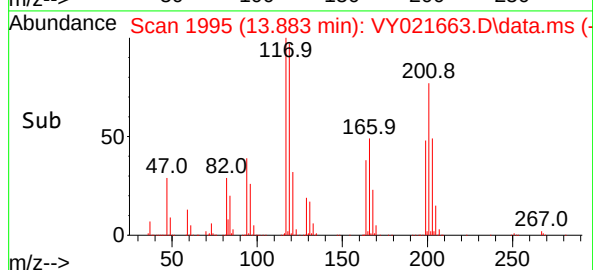
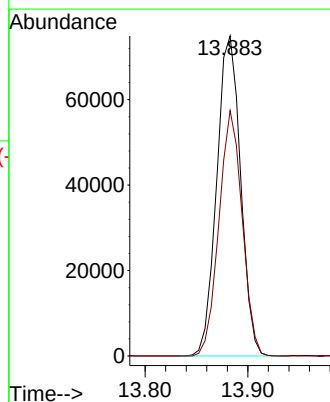
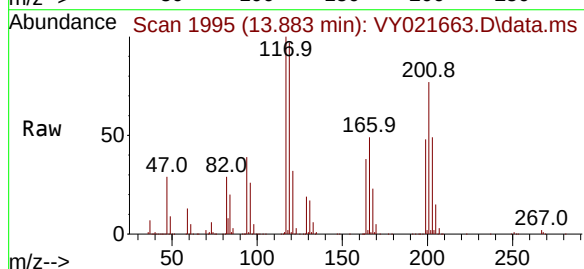
Manual Integrations
APPROVED

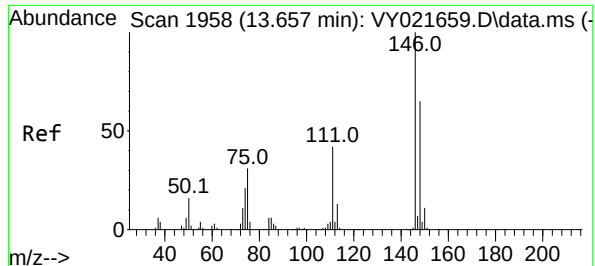
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90
Hexachloroethane
Concen: 50.454 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

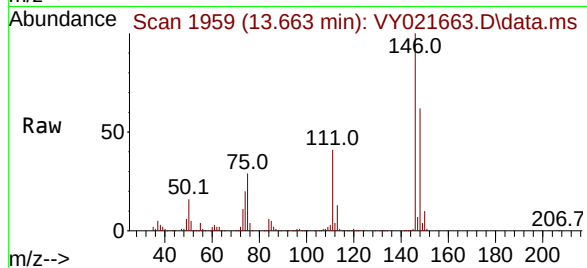
Tgt Ion:117 Resp: 120546
Ion Ratio Lower Upper
117 100
201 74.7 37.4 112.1





#91
1,2-Dichlorobenzene
Concen: 50.346 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

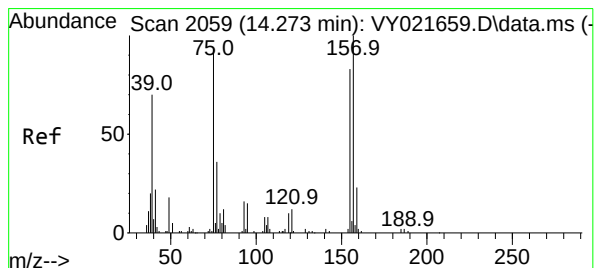
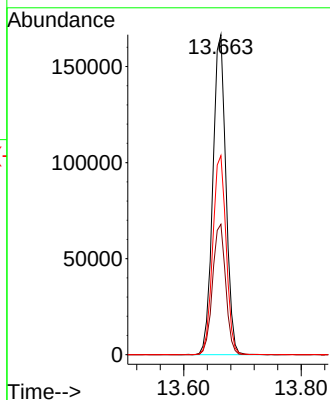
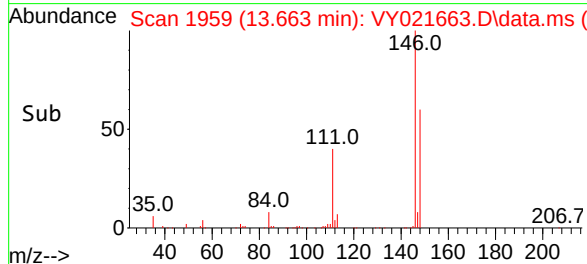
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:146 Resp: 25707
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 63.6 32.3 96.9

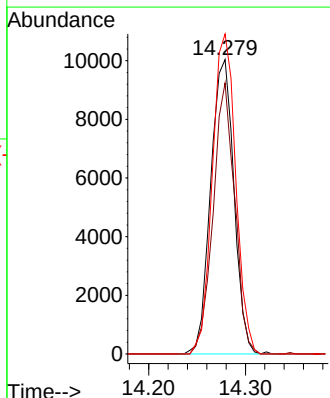
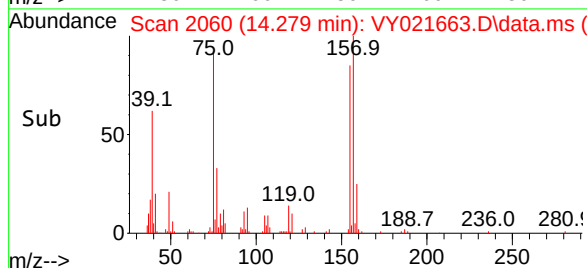
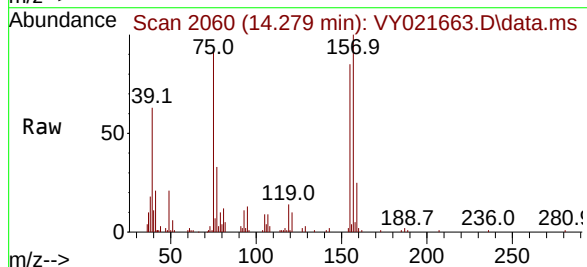
Manual Integrations
APPROVED

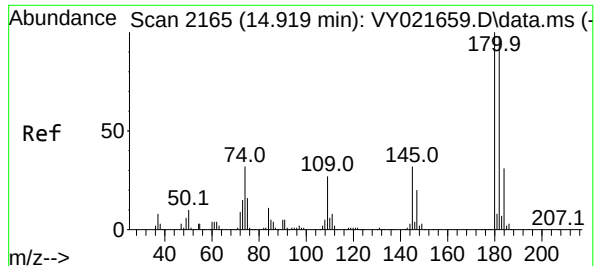
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.476 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

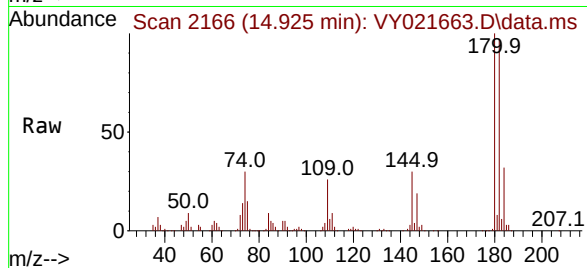
Tgt Ion: 75 Resp: 16750
Ion Ratio Lower Upper
75 100
155 85.3 43.0 128.8
157 109.0 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 51.429 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

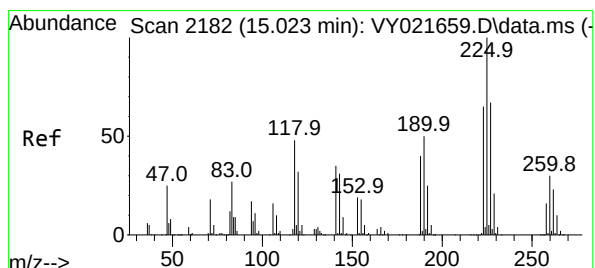
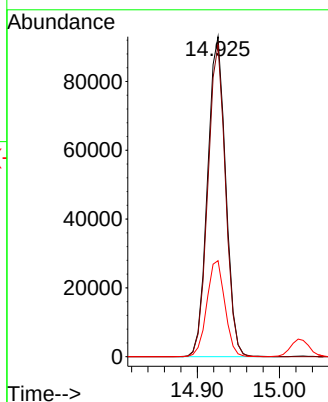
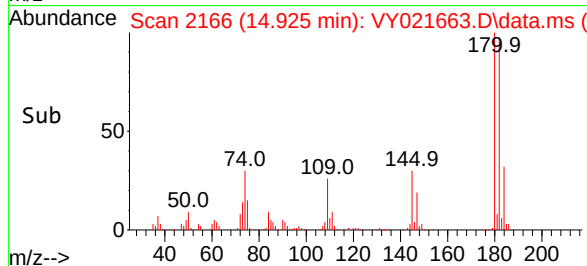
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:180 Resp: 142409
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.6
145 30.0 14.9 44.9

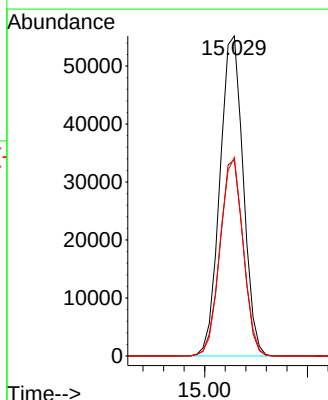
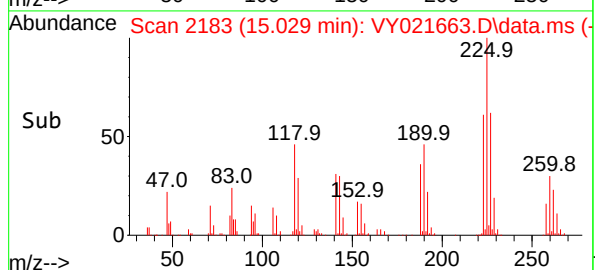
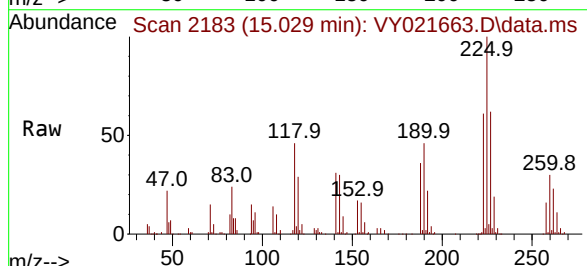
Manual Integrations
APPROVED

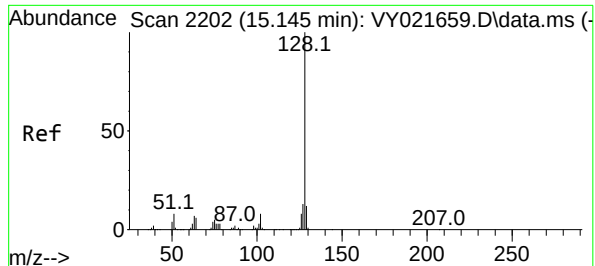
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94
Hexachlorobutadiene
Concen: 50.245 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

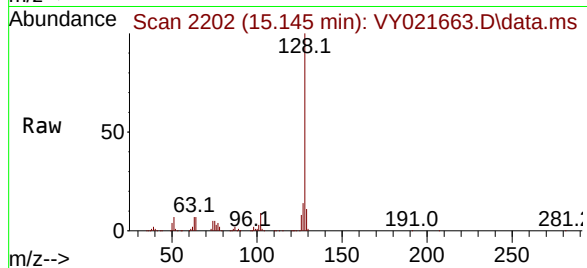
Tgt Ion:225 Resp: 86891
Ion Ratio Lower Upper
225 100
223 61.3 31.9 95.7
227 61.4 32.4 97.0





#95
Naphthalene
Concen: 51.759 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

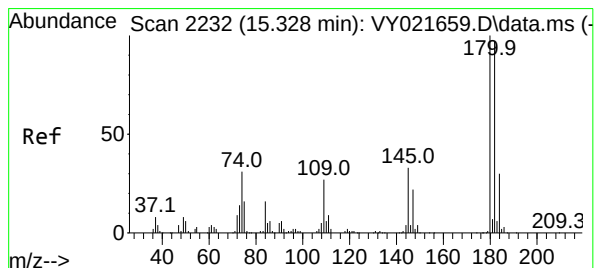
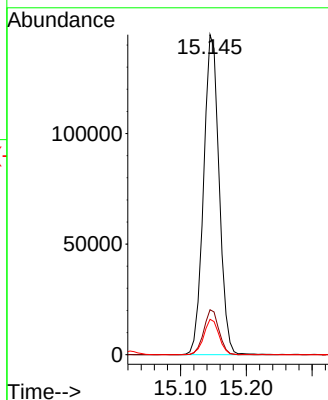
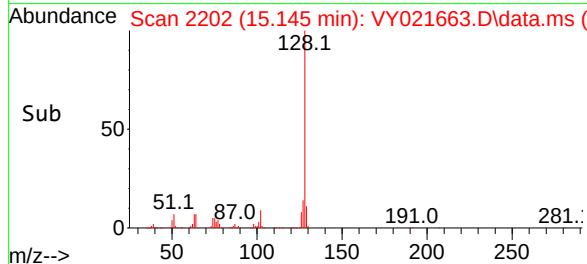
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



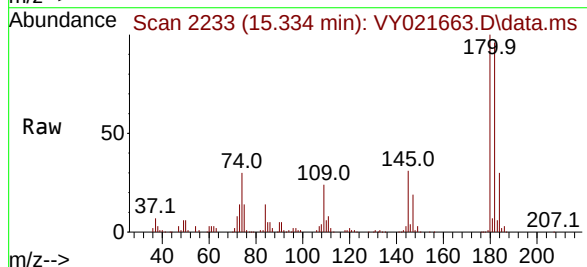
Tgt Ion:128 Resp: 23756
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.8 8.8 13.2

Manual Integrations
APPROVED

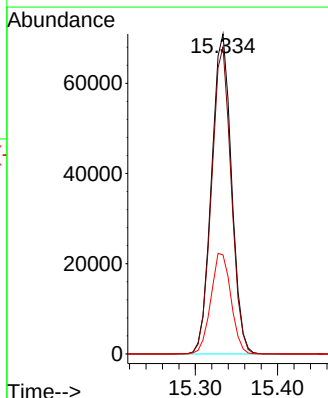
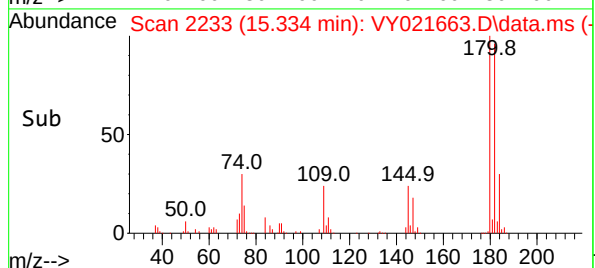
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.640 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



Tgt Ion:180 Resp: 119575
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.5
145 31.7 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2 T	Dichlorodifluoromethane	0.518	0.504	2.7	101	0.00
3 P	Chloromethane	0.729	0.740	-1.5	108	0.00
4 C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5 T	Bromomethane	0.562	0.554	1.4	109	0.00
6 T	Chloroethane	0.539	0.546	-1.3	108	0.00
7 T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8 T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10 T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11 T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12 CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13 T	Acrolein	0.064	0.064	0.0	103	0.00
14 T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15 T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16 T	Acetone	0.111	0.104	6.3	98	0.00
17 T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18 T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19 T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20 T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22 T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23 T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24 P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25 T	2-Butanone	0.158	0.153	3.2	97	0.00
26 T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28 T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29 T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30 C	Chloroform	1.091	1.080	1.0#	101	0.00
31 T	Cyclohexane	0.956	0.915	4.3	101	0.00
32 T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36 T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37 T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38 T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39 T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40 TM	Benzene	1.479	1.496	-1.1	102	0.00
41 T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42 TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43 T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44 TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45 C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46 T	Dibromomethane	0.202	0.202	0.0	104	0.00
47 T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48 T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	0.002	0.002	0.0	100	0.00
50 S	Toluene-d8	1.234	1.360	-10.2	107	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52 CM	Toluene	0.923	0.952	-3.1#	102	0.00
53 T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55 T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56 T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57 T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59 T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60 T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61 T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62 S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65 PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67 C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68 T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69 T	o-Xylene	0.695	0.737	-6.0	102	0.00
70 T	Styrene	1.158	1.242	-7.3	102	0.00
71 P	Bromoform	0.232	0.236	-1.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74 T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76 T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77 T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78 T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79 T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82 T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83 T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85 T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86 T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87 T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88 T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89 T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90 T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91 T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94 T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95 T	Naphthalene	1.375	1.423	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.716	-1.3	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2 T	Dichlorodifluoromethane	50.000	48.632	2.7	101	0.00
3 P	Chloromethane	50.000	50.781	-1.6	108	0.00
4 C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5 T	Bromomethane	50.000	49.274	1.5	109	0.00
6 T	Chloroethane	50.000	50.589	-1.2	108	0.00
7 T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8 T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10 T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11 T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12 CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13 T	Acrolein	250.000	249.738	0.1	103	0.00
14 T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15 T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16 T	Acetone	250.000	234.856	6.1	98	0.00
17 T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18 T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19 T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20 T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22 T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23 T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24 P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25 T	2-Butanone	250.000	240.921	3.6	97	0.00
26 T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28 T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29 T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30 C	Chloroform	50.000	49.490	1.0#	101	0.00
31 T	Cyclohexane	50.000	47.844	4.3	101	0.00
32 T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36 T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37 T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38 T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39 T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40 TM	Benzene	50.000	50.574	-1.1	102	0.00
41 T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42 TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43 T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44 TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45 C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46 T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47 T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48 T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	1006.593	-0.7	100	0.00
50 S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51 T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52 CM	Toluene	50.000	51.555	-3.1#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55 T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56 T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57 T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59 T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60 T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61 T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62 S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65 PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67 C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68 T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69 T	o-Xylene	50.000	53.075	-6.2	102	0.00
70 T	Styrene	50.000	53.627	-7.3	102	0.00
71 P	Bromoform	50.000	50.778	-1.6	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74 T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76 T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77 T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78 T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79 T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82 T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83 T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85 T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86 T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87 T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89 T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90 T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91 T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94 T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95 T	Naphthalene	50.000	51.759	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.640	-1.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date/Time: 04/10/2025 09:51

Lab File ID: VY021826.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.473		-8.69	20
Chloromethane	0.729	0.722	0.1	-0.96	20
Vinyl Chloride	0.824	0.777		-5.7	20
Bromomethane	0.562	0.510		-9.25	20
Chloroethane	0.539	0.515		-4.45	20
Trichlorofluoromethane	1.056	0.995		-5.78	20
1,1,2-Trichlorotrifluoroethane	0.557	0.548		-1.62	20
1,1-Dichloroethene	0.524	0.521		-0.57	20
Acetone	0.111	0.105		-5.41	20
Carbon Disulfide	1.727	1.642		-4.92	20
Methyl tert-butyl Ether	1.306	1.226		-6.13	20
Methyl Acetate	0.275	0.298		8.36	20
Methylene Chloride	0.626	0.577		-7.83	20
trans-1,2-Dichloroethene	0.577	0.585		1.39	20
1,1-Dichloroethane	1.049	1.074	0.1	2.38	20
Cyclohexane	0.956	0.885		-7.43	20
2-Butanone	0.158	0.140		-11.39	20
Carbon Tetrachloride	0.566	0.596		5.3	20
cis-1,2-Dichloroethene	0.649	0.671		3.39	20
Bromochloromethane	0.442	0.448		1.36	20
Chloroform	1.091	1.115		2.2	20
1,1,1-Trichloroethane	0.986	1.001		1.52	20
Methylcyclohexane	0.590	0.615		4.24	20
Benzene	1.479	1.589		7.44	20
1,2-Dichloroethane	0.417	0.422		1.2	20
Trichloroethene	0.377	0.407		7.96	20
1,2-Dichloropropane	0.350	0.377		7.71	20
Bromodichloromethane	0.523	0.551		5.35	20
4-Methyl-2-Pentanone	0.230	0.211		-8.26	20
Toluene	0.923	1.022		10.73	20
t-1,3-Dichloropropene	0.465	0.471		1.29	20
cis-1,3-Dichloropropene	0.548	0.564		2.92	20
1,1,2-Trichloroethane	0.260	0.265		1.92	20
2-Hexanone	0.153	0.145		-5.23	20
Dibromochloromethane	0.355	0.370		4.22	20
1,2-Dibromoethane	0.244	0.244		0	20
Tetrachloroethene	0.455	0.482		5.93	20
Chlorobenzene	1.146	1.216	0.3	6.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date/Time: 04/10/2025 09:51

Lab File ID: VY021826.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.166		10.23	20
m/p-Xylenes	0.753	0.846		12.35	20
o-Xylene	0.695	0.776		11.65	20
Styrene	1.158	1.305		12.69	20
Bromoform	0.232	0.227	0.1	-2.15	20
Isopropylbenzene	3.714	3.986		7.32	20
1,1,2,2-Tetrachloroethane	0.668	0.605	0.3	-9.43	20
1,3-Dichlorobenzene	1.757	1.868		6.32	20
1,4-Dichlorobenzene	1.736	1.812		4.38	20
1,2-Dichlorobenzene	1.529	1.605		4.97	20
1,2-Dibromo-3-Chloropropane	0.103	0.091		-11.65	20
1,2,4-Trichlorobenzene	0.829	0.913		10.13	20
1,2,3-Trichlorobenzene	0.707	0.777		9.9	20
1,2-Dichloroethane-d4	0.542	0.533		-1.66	20
Dibromofluoromethane	0.324	0.356		9.88	20
Toluene-d8	1.234	1.384		12.16	20
4-Bromofluorobenzene	0.417	0.462		10.79	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_Y\Data\VY041025\
 Data File : VY021826.D
 Acq On : 10 Apr 2025 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:48:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	208417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	315600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	147243	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	111113	49.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.420%
35) Dibromofluoromethane	7.640	113	112354	54.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.760%
50) Toluene-d8	10.109	98	436882	56.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.180%
62) 4-Bromofluorobenzene	12.408	95	145955	55.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	98532	45.613	ug/l	99
3) Chloromethane	2.074	50	150388	49.510	ug/l	97
4) Vinyl Chloride	2.208	62	161932	47.139	ug/l	100
5) Bromomethane	2.605	94	106209	45.332	ug/l	100
6) Chloroethane	2.739	64	107256	47.715	ug/l	99
7) Trichlorofluoromethane	3.062	101	207328	47.115	ug/l	96
8) Diethyl Ether	3.464	74	54477	45.523	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	114300	49.248	ug/l	99
10) Methyl Iodide	4.013	142	154749	60.777	ug/l	99
11) Tert butyl alcohol	4.885	59	26187	178.541	ug/l	100
12) 1,1-Dichloroethene	3.799	96	108689	49.718	ug/l	97
13) Acrolein	3.659	56	17198	64.216	ug/l	98
14) Allyl chloride	4.391	41	173906	49.894	ug/l	99
15) Acrylonitrile	5.068	53	112828	225.807	ug/l	98
16) Acetone	3.873	43	109229	236.349	ug/l	94
17) Carbon Disulfide	4.110	76	342301	47.539	ug/l	98
18) Methyl Acetate	4.391	43	62162	54.271	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	255447	46.934	ug/l	99
20) Methylene Chloride	4.622	84	120325	53.476	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	122021	50.695	ug/l	98
22) Diisopropyl ether	6.025	45	377364	51.611	ug/l	97
23) Vinyl Acetate	5.964	43	977082	228.429	ug/l	99
24) 1,1-Dichloroethane	5.927	63	223759	51.179	ug/l	98
25) 2-Butanone	6.903	43	145621	220.606	ug/l	99
26) 2,2-Dichloropropane	6.890	77	200181	51.473	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	139904	51.686	ug/l	99
28) Bromochloromethane	7.250	49	93389	50.649	ug/l	97
29) Tetrahydrofuran	7.268	42	90343	212.656	ug/l	99
30) Chloroform	7.427	83	232484	51.125	ug/l	97
31) Cyclohexane	7.707	56	184475	46.287	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	208666	50.770	ug/l	100
36) 1,1-Dichloropropene	7.841	75	164638	52.798	ug/l	99
37) Ethyl Acetate	6.988	43	62896	42.738	ug/l	98
38) Carbon Tetrachloride	7.823	117	188128	52.675	ug/l	98
39) Methylcyclohexane	9.116	83	194212	52.136	ug/l	98
40) Benzene	8.085	78	501413	53.693	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021826.D
 Acq On : 10 Apr 2025 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:48:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	33929	43.413	ug/l #	100
42) 1,2-Dichloroethane	8.165	62	133088	50.553	ug/l	99
43) Isopropyl Acetate	8.201	43	124046	44.479	ug/l	100
44) Trichloroethene	8.872	130	128316	53.929	ug/l	96
45) 1,2-Dichloropropane	9.146	63	119126	53.892	ug/l	99
46) Dibromomethane	9.231	93	64243	50.428	ug/l	97
47) Bromodichloromethane	9.427	83	173801	52.651	ug/l	98
48) Methyl methacrylate	9.225	41	59911	46.806	ug/l	99
49) 1,4-Dioxane	9.238	88	12222	895.567	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	333294	229.648	ug/l	99
52) Toluene	10.176	92	322657	55.379	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	148534	50.659	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	177943	51.443	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	83588	50.986	ug/l	99
56) Ethyl methacrylate	10.445	69	105379	50.340	ug/l	99
57) 1,3-Dichloropropane	10.719	76	144923	51.185	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	262347	256.900	ug/l	99
59) 2-Hexanone	10.762	43	228630	236.540	ug/l	99
60) Dibromochloromethane	10.914	129	116641	52.111	ug/l	98
61) 1,2-Dibromoethane	11.018	107	77155	50.169	ug/l	99
64) Tetrachloroethene	10.652	164	137294	52.948	ug/l	97
65) Chlorobenzene	11.444	112	346329	53.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	123394	53.290	ug/l	98
67) Ethyl Benzene	11.524	91	616627	55.100	ug/l	99
68) m/p-Xylenes	11.633	106	481618	112.386	ug/l	99
69) o-Xylene	11.957	106	221057	55.882	ug/l	100
70) Styrene	11.975	104	371659	56.350	ug/l	100
71) Bromoform	12.133	173	64686	48.974	ug/l #	100
73) Isopropylbenzene	12.261	105	586895	53.665	ug/l	99
74) N-amyl acetate	12.072	43	114664	44.675	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	89104	45.317	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	62332m	42.706	ug/l	
77) Bromobenzene	12.536	156	136533	51.997	ug/l	97
78) n-propylbenzene	12.597	91	721133	54.847	ug/l	99
79) 2-Chlorotoluene	12.682	91	408141	53.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	485142	54.278	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26773	42.266	ug/l	99
82) 4-Chlorotoluene	12.780	91	422172	53.027	ug/l	99
83) tert-Butylbenzene	12.999	119	435251	54.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	488158	55.258	ug/l	99
85) sec-Butylbenzene	13.182	105	630341	54.179	ug/l	99
86) p-Isopropyltoluene	13.298	119	532622	55.390	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	275041	53.165	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	266758	52.190	ug/l	99
89) n-Butylbenzene	13.621	91	489471	55.040	ug/l	100
90) Hexachloroethane	13.883	117	107148	50.848	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	236343	52.481	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13445	44.118	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	134414	55.039	ug/l	100
94) Hexachlorobutadiene	15.029	225	82343	53.987	ug/l	98
95) Naphthalene	15.151	128	213787	52.813	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	114353	54.910	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021826.D
Acq On : 10 Apr 2025 09:51
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:48:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

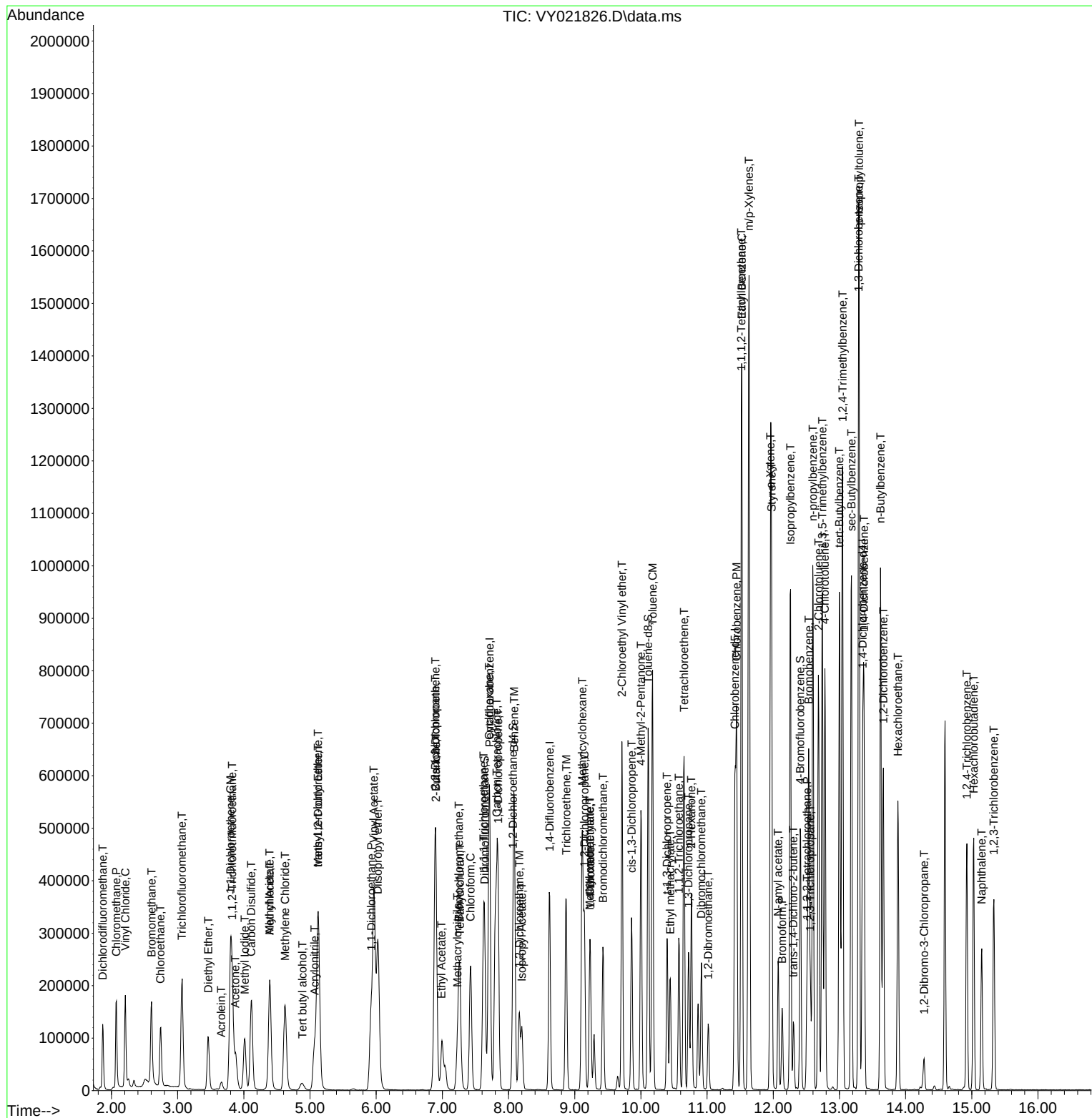
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 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

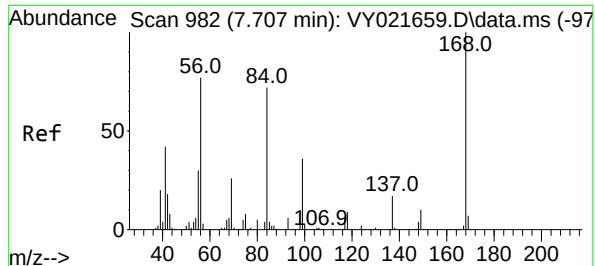
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 11 01:48:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

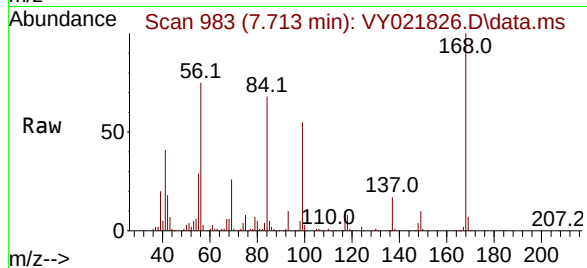
Reviewed By : Mahesh Dadoda 04/11/2025
 Supervised By : Semsettin Yesilyurt 04/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

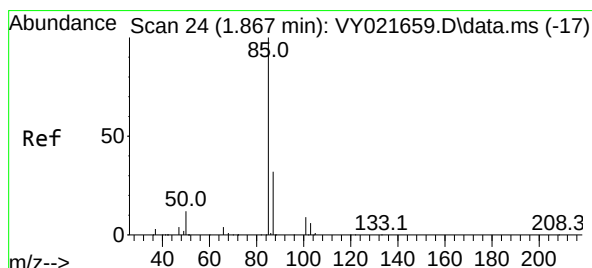
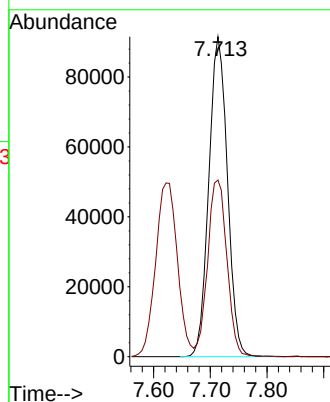
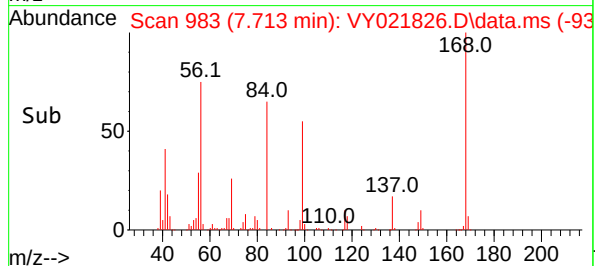
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 20841
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1

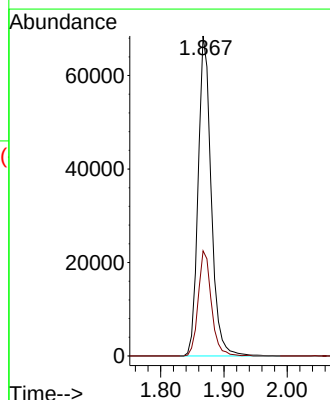
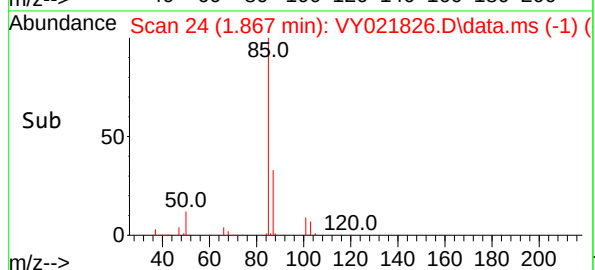
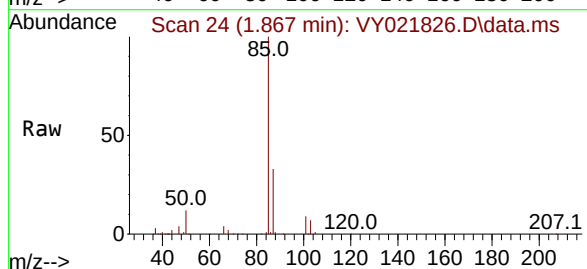
Manual Integrations
APPROVED

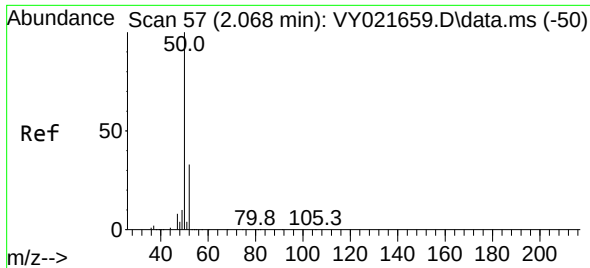
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#2
Dichlorodifluoromethane
Concen: 45.613 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

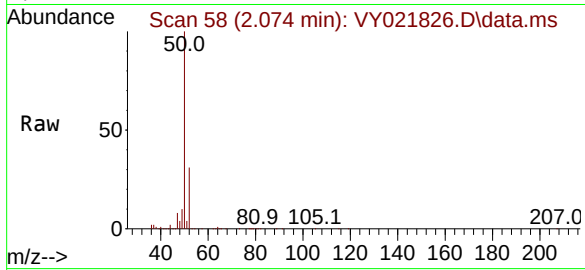
Tgt Ion: 85 Resp: 98532
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6





#3
Chloromethane
Concen: 49.510 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

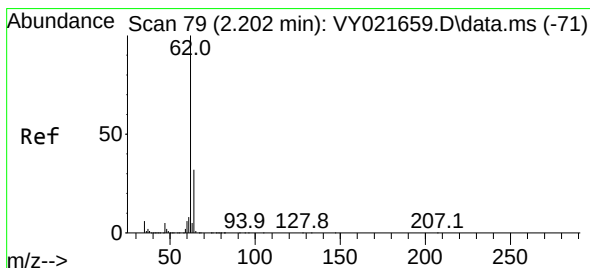
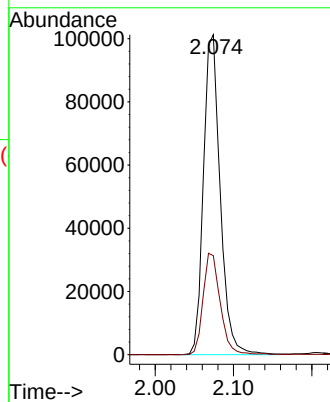
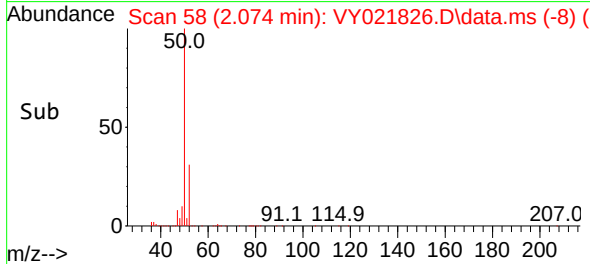
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 15038
Ion Ratio Lower Upper
50 100
52 31.0 26.3 39.5

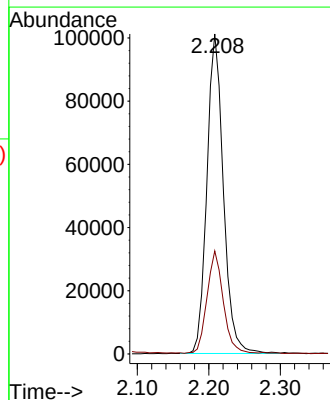
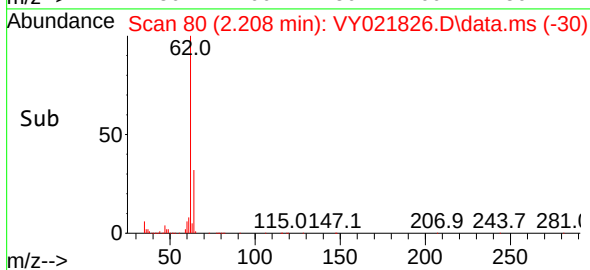
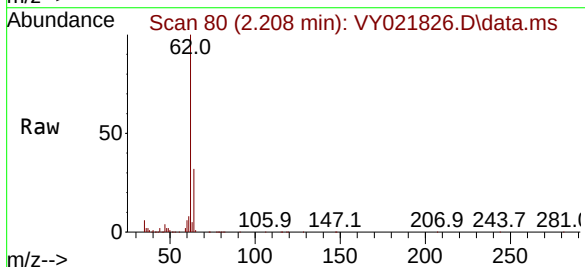
Manual Integrations
APPROVED

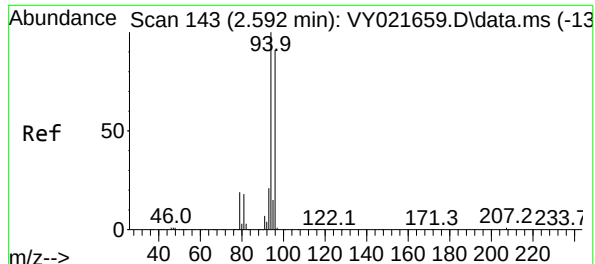
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#4
Vinyl Chloride
Concen: 47.139 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

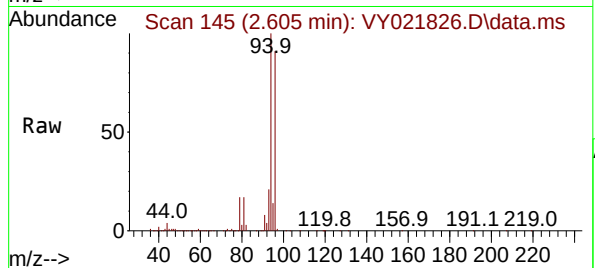
Tgt Ion: 62 Resp: 161932
Ion Ratio Lower Upper
62 100
64 32.0 25.5 38.3





#5
Bromomethane
Concen: 45.332 ug/l
RT: 2.605 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

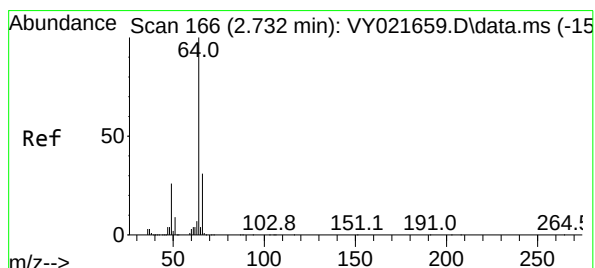
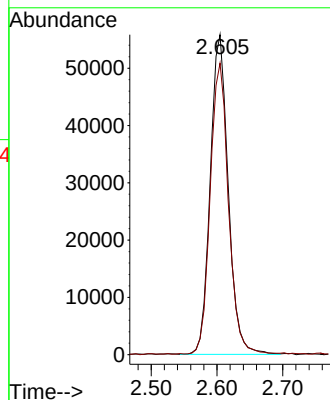
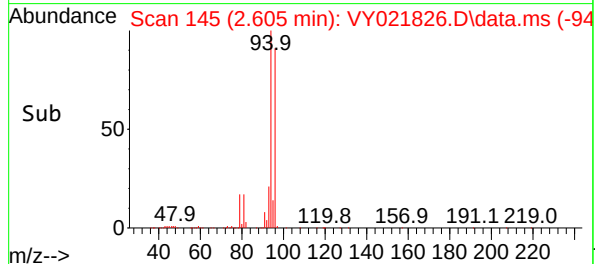
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 106209
Ion Ratio Lower Upper
94 100
96 90.8 72.8 109.2

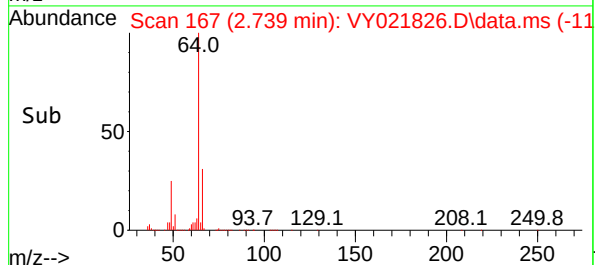
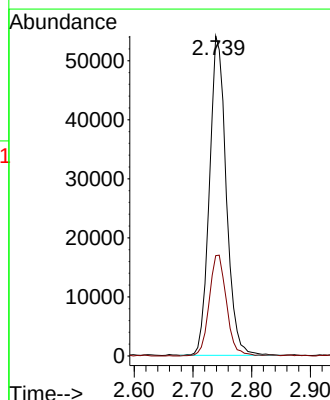
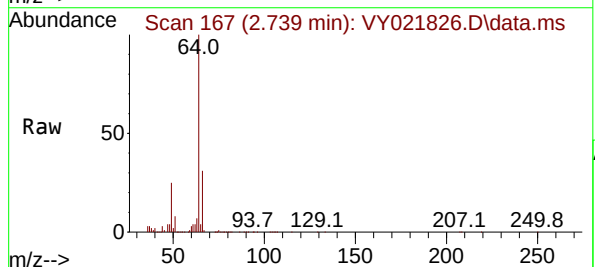
Manual Integrations
APPROVED

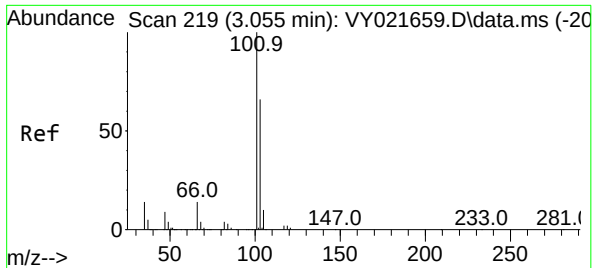
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#6
Chloroethane
Concen: 47.715 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

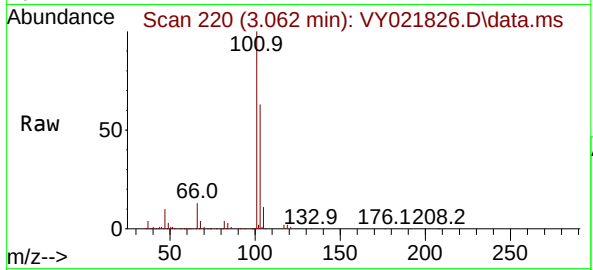
Tgt Ion: 64 Resp: 107256
Ion Ratio Lower Upper
64 100
66 31.4 24.9 37.3





#7
Trichlorofluoromethane
Concen: 47.115 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

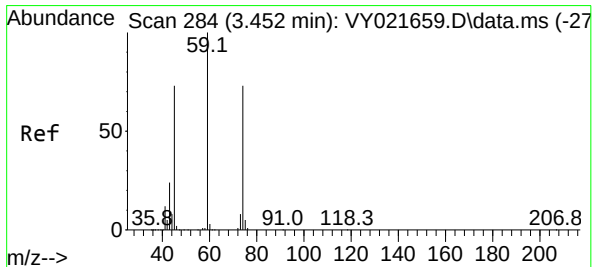
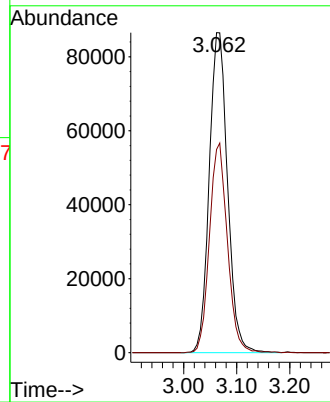
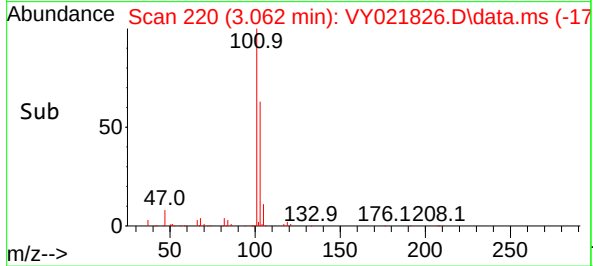
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 207328
Ion Ratio Lower Upper
101 100
103 63.5 53.1 79.7

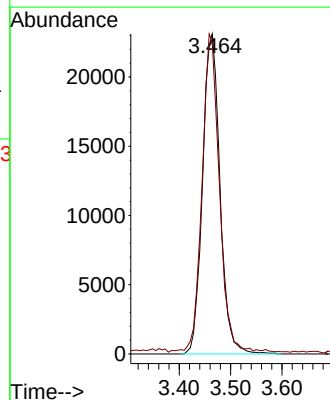
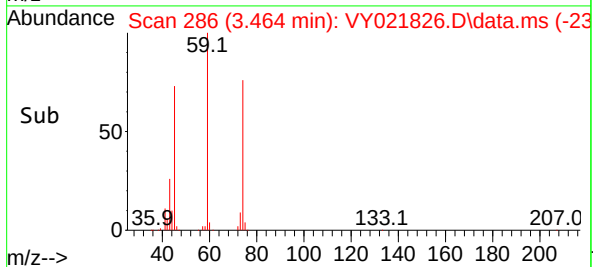
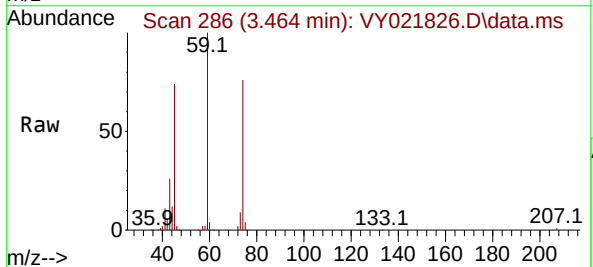
Manual Integrations
APPROVED

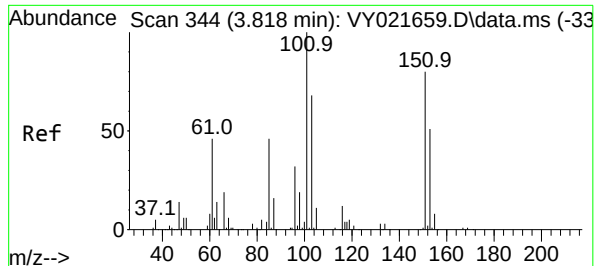
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#8
Diethyl Ether
Concen: 45.523 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.012 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion: 74 Resp: 54477
Ion Ratio Lower Upper
74 100
45 98.6 48.6 145.8





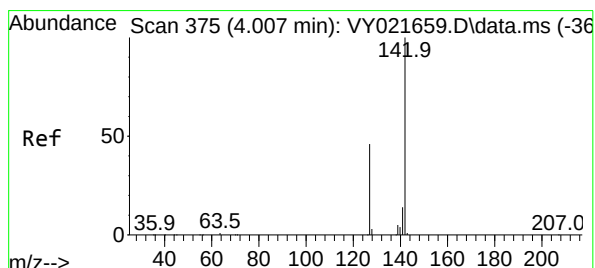
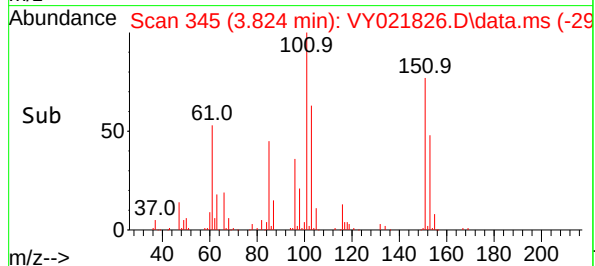
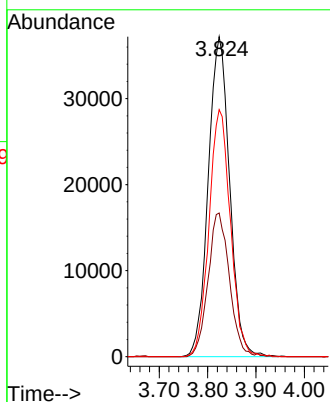
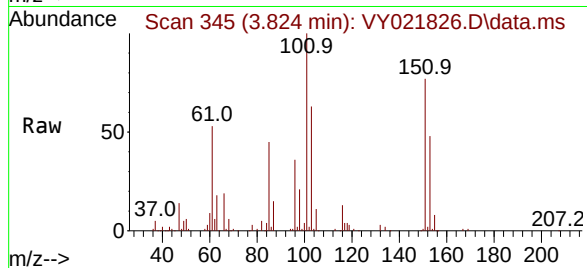
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.248 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 114300
Ion Ratio Lower Upper
101 100
85 44.9 36.3 54.5
151 77.4 61.3 91.9

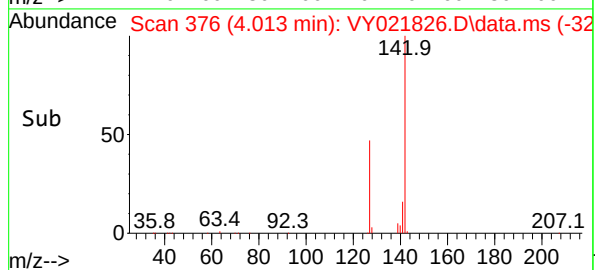
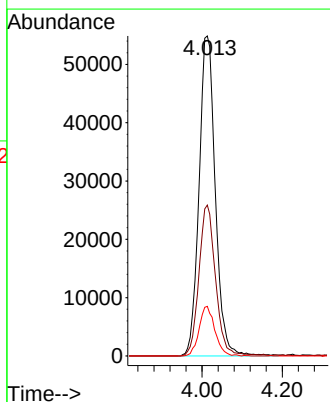
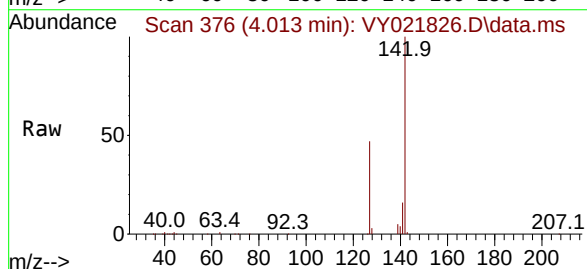
Manual Integrations
APPROVED

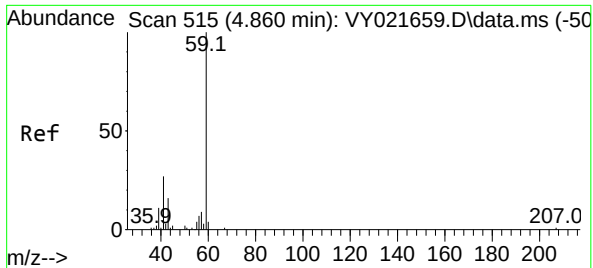
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#10
Methyl Iodide
Concen: 60.777 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion:142 Resp: 154749
Ion Ratio Lower Upper
142 100
127 48.0 38.7 58.1
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 178.541 ug/l

RT: 4.885 min Scan# 515

Delta R.T. 0.025 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 2618

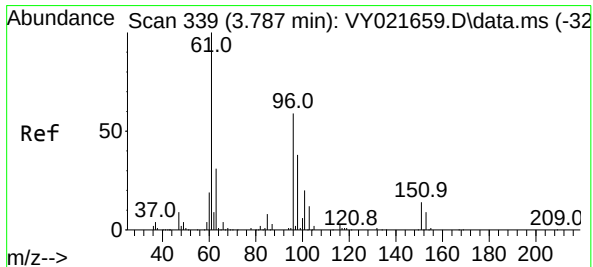
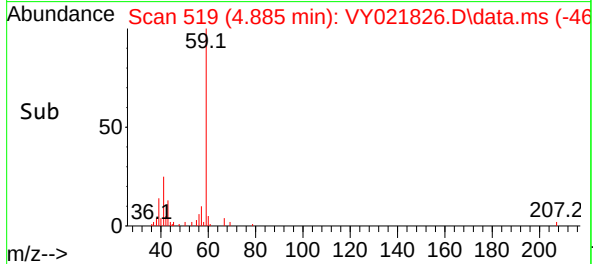
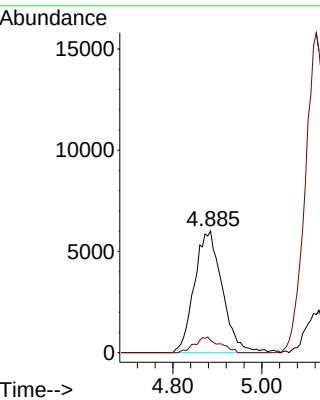
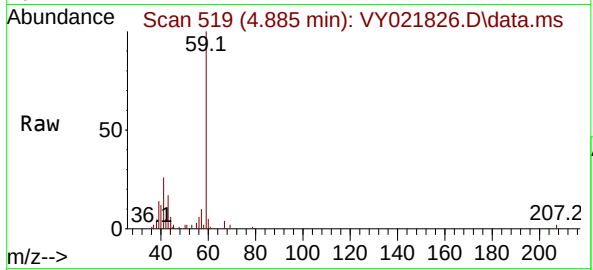
Ion Ratio Lower Upper

59 100

57 11.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#12

1,1-Dichloroethene

Concen: 49.718 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.012 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

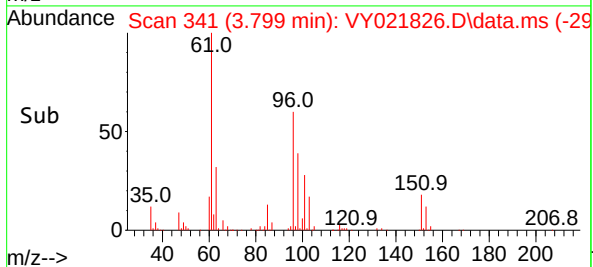
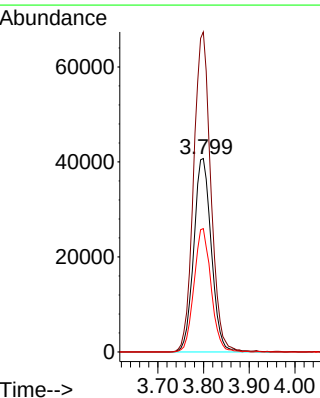
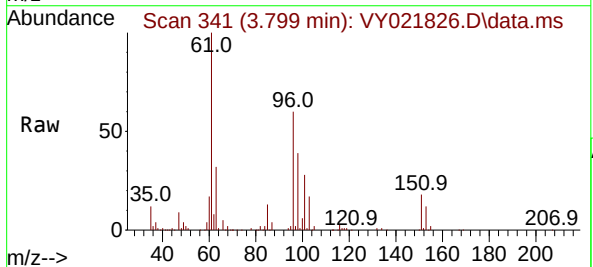
Tgt Ion: 96 Resp: 108689

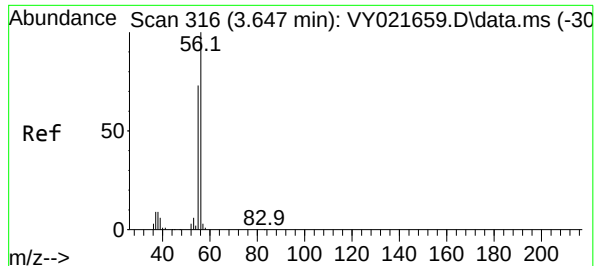
Ion Ratio Lower Upper

96 100

61 165.5 136.6 204.8

98 63.8 52.3 78.5





#13

Acrolein

Concen: 64.216 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 17198

Ion Ratio Lower Upper

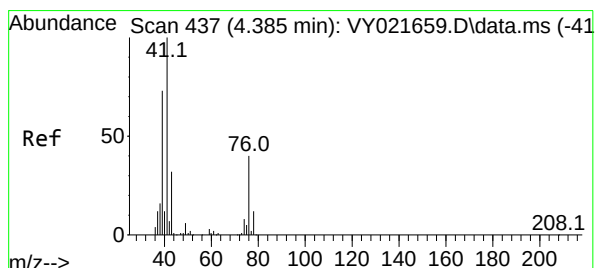
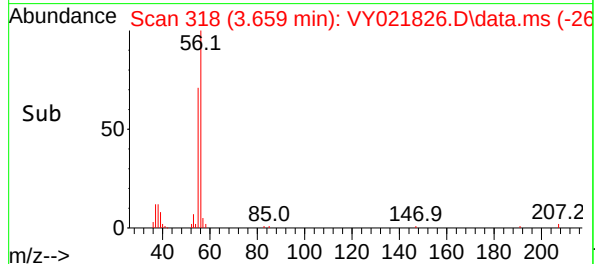
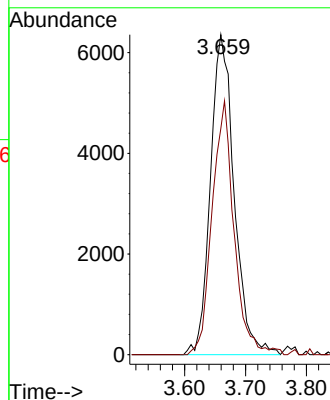
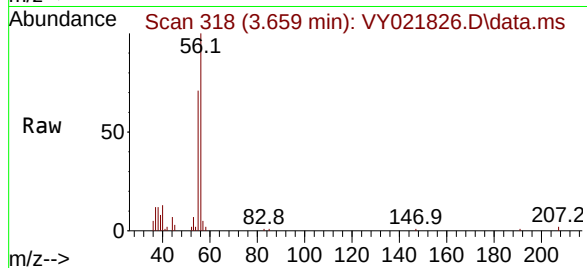
56 100

55 72.9 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#14

Allyl chloride

Concen: 49.894 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

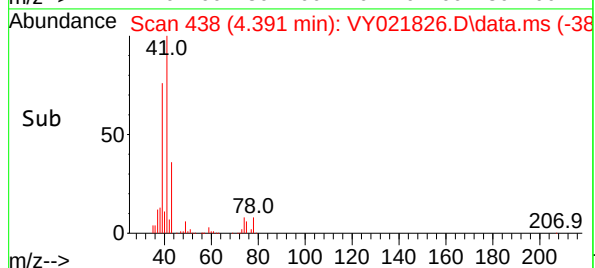
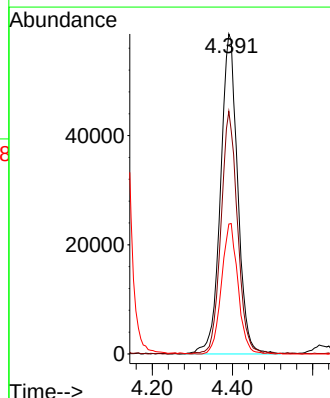
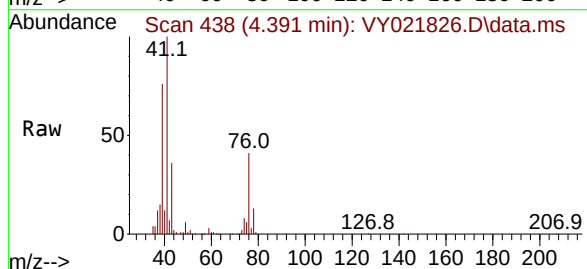
Tgt Ion: 41 Resp: 173906

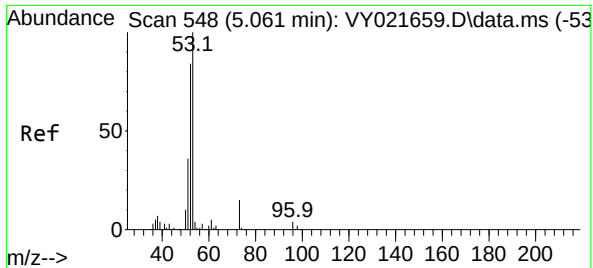
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 39.1 30.3 45.5





#15

Acrylonitrile

Concen: 225.807 ug/l

RT: 5.068 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 112828

Ion Ratio Lower Upper

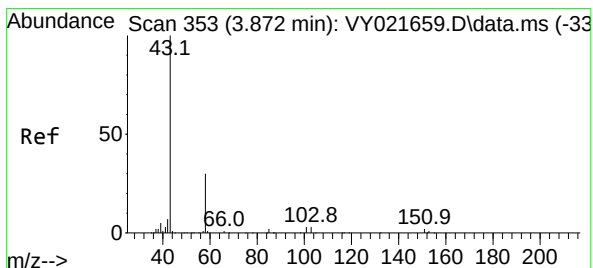
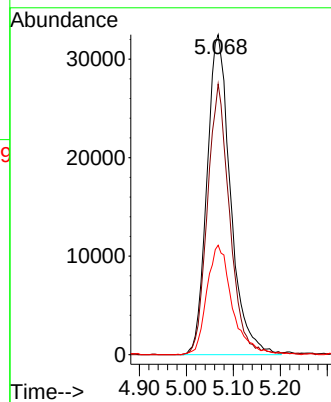
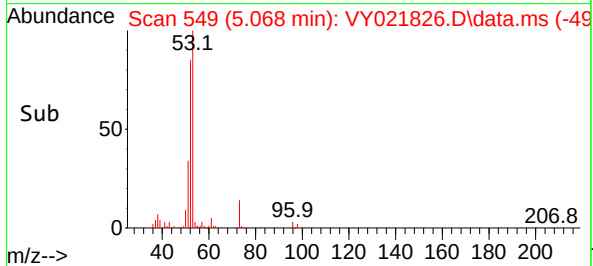
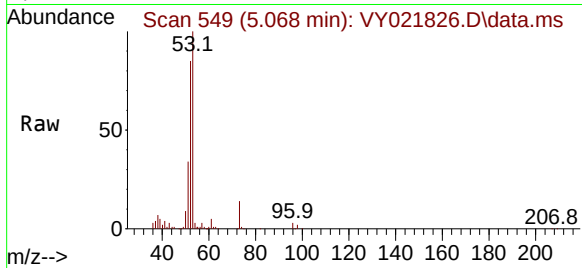
53 100

52 79.6 64.9 97.3

51 36.7 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#16

Acetone

Concen: 236.349 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021826.D

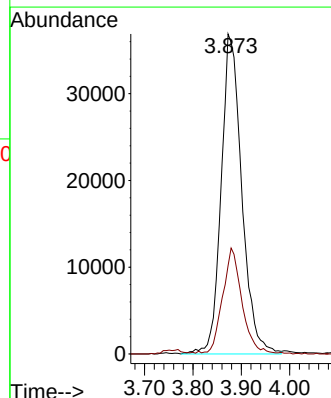
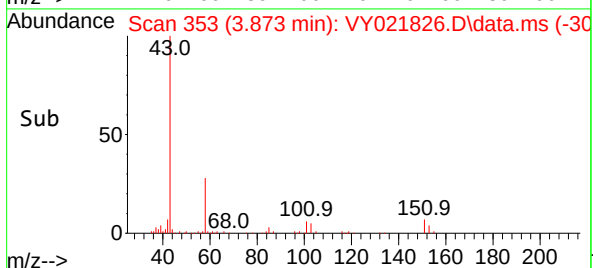
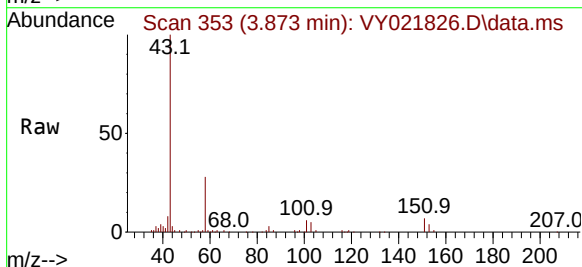
Acq: 10 Apr 2025 09:51

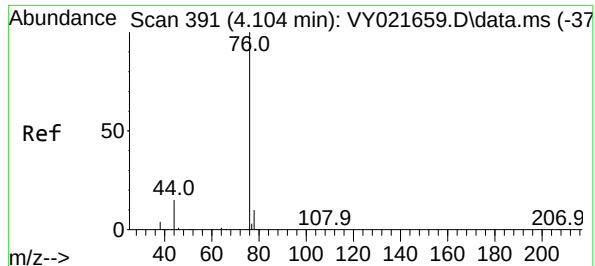
Tgt Ion: 43 Resp: 109229

Ion Ratio Lower Upper

43 100

58 27.1 24.2 36.4





#17

Carbon Disulfide

Concen: 47.539 ug/l

RT: 4.110 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 34230

Ion Ratio Lower Upper

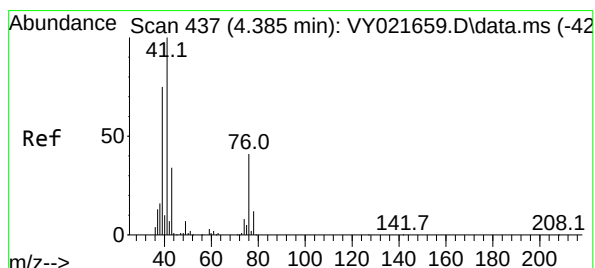
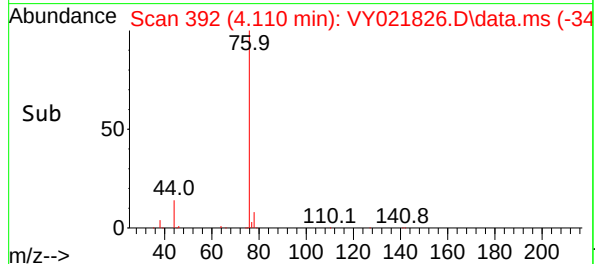
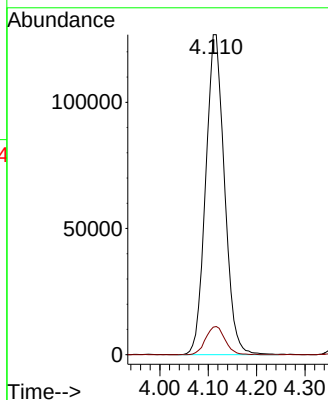
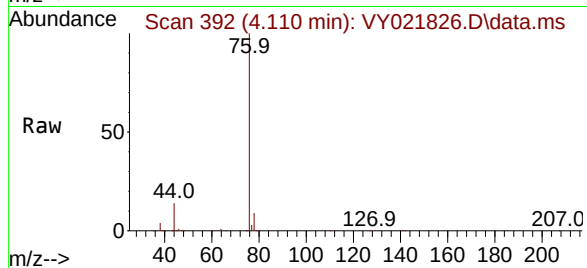
76 100

78 8.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#18

Methyl Acetate

Concen: 54.271 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY021826.D

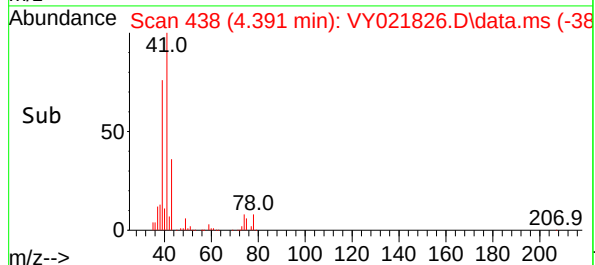
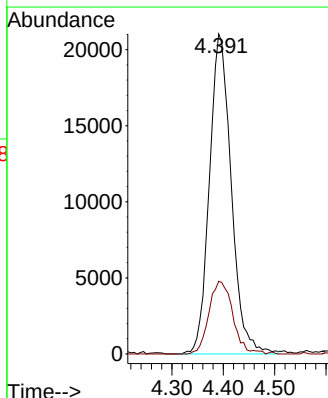
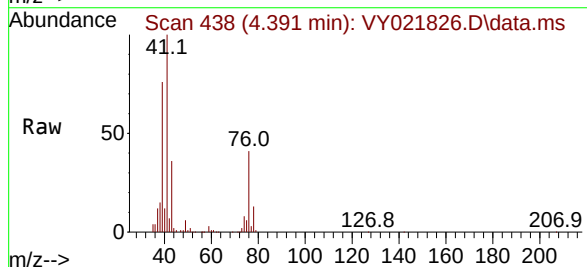
Acq: 10 Apr 2025 09:51

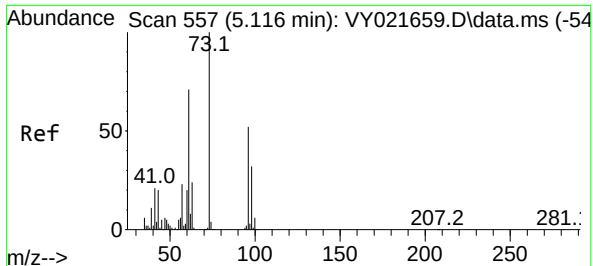
Tgt Ion: 43 Resp: 62162

Ion Ratio Lower Upper

43 100

74 24.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 46.934 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 25544

Ion Ratio Lower Upper

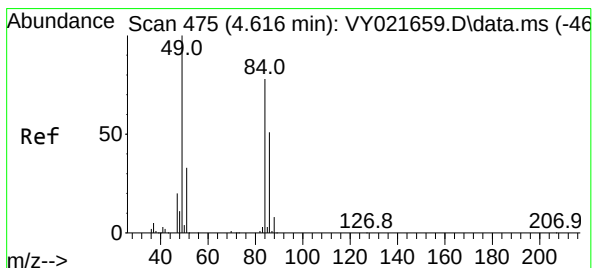
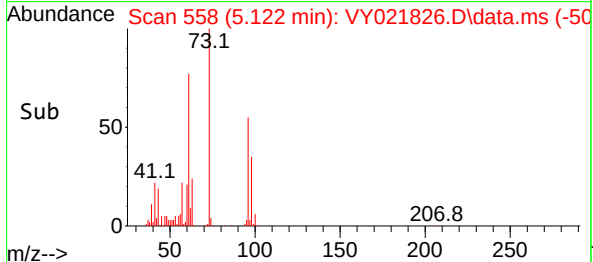
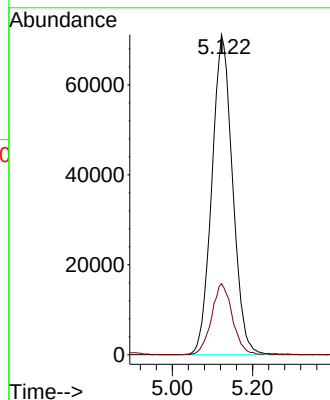
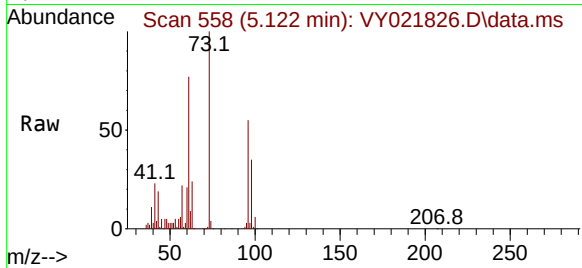
73 100

57 22.2 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#20

Methylene Chloride

Concen: 53.476 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Tgt Ion: 84 Resp: 120325

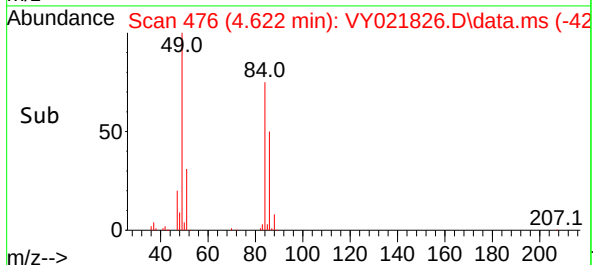
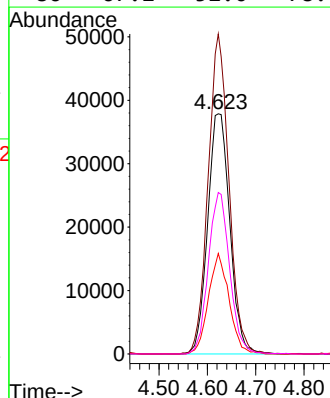
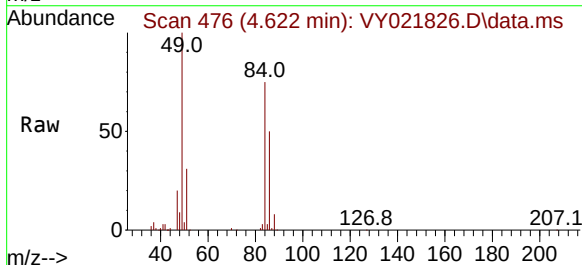
Ion Ratio Lower Upper

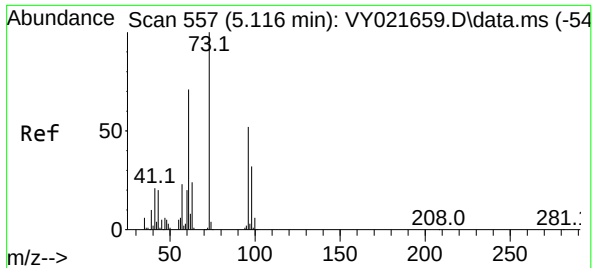
84 100

49 133.3 102.8 154.2

51 41.8 33.5 50.3

86 67.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.695 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021826.D

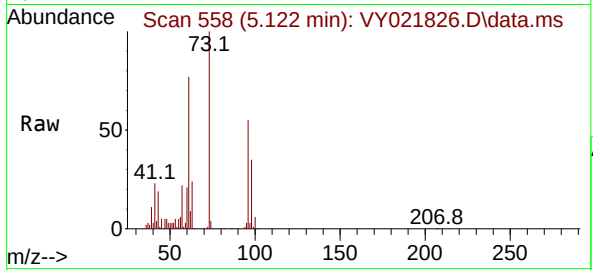
Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 12202

Ion Ratio Lower Upper

96 100

61 139.1 109.4 164.0

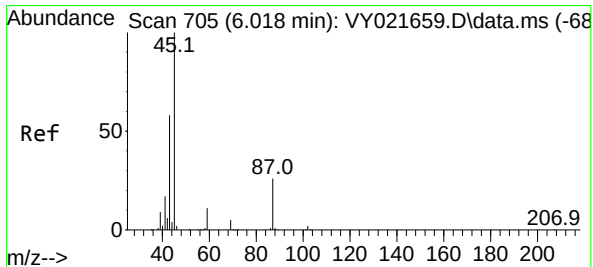
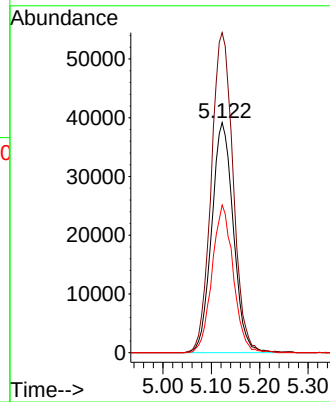
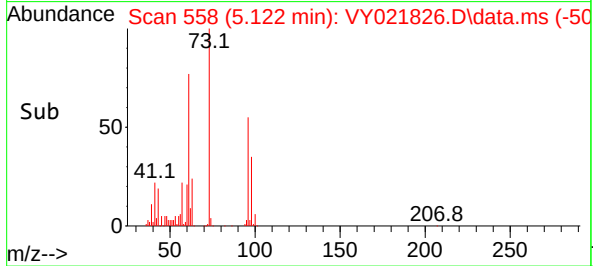
98 64.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#22

Diisopropyl ether

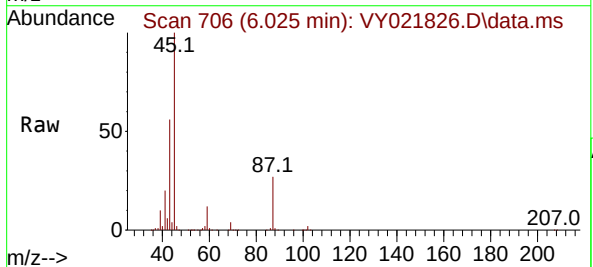
Concen: 51.611 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51



Tgt Ion: 45 Resp: 377364

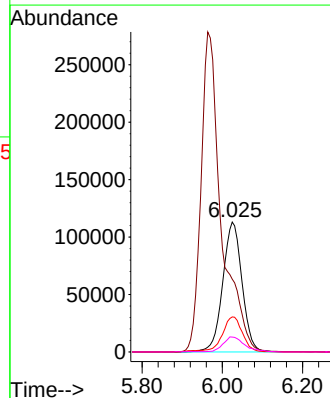
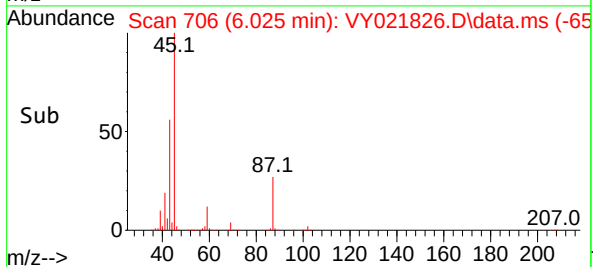
Ion Ratio Lower Upper

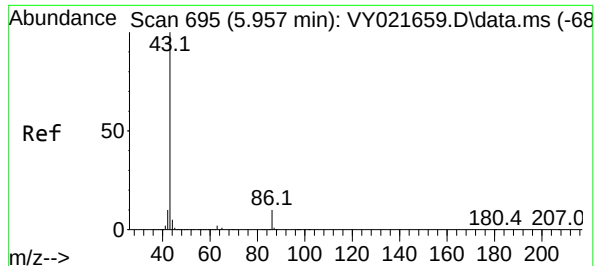
45 100

43 55.8 46.6 69.8

87 27.0 20.7 31.1

59 11.5 9.3 13.9





#23

Vinyl Acetate

Concen: 228.429 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 97708

Ion Ratio Lower Upper

43

100

86

10.6

8.2

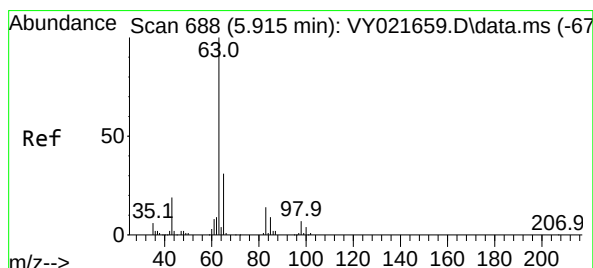
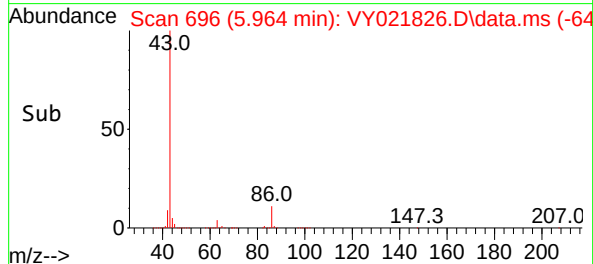
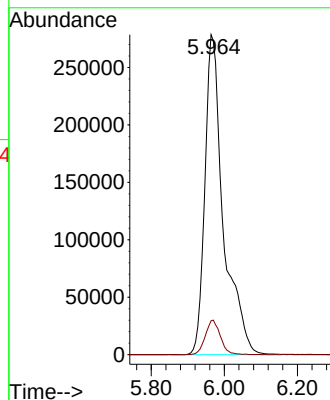
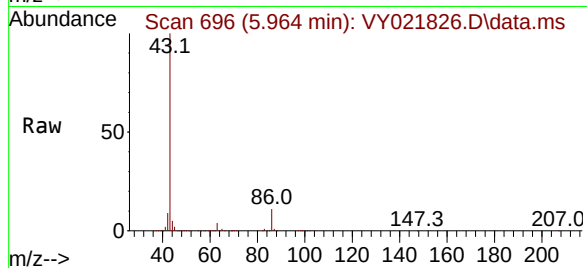
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#24

1,1-Dichloroethane

Concen: 51.179 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.012 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Tgt Ion: 63 Resp: 223759

Ion Ratio Lower Upper

63

100

98

7.9

3.5

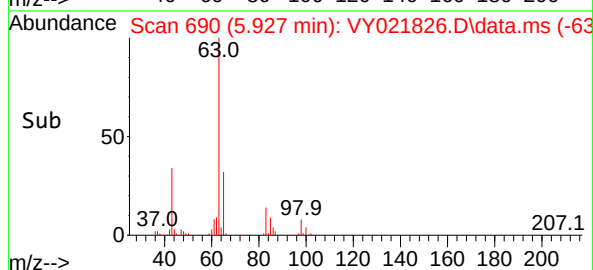
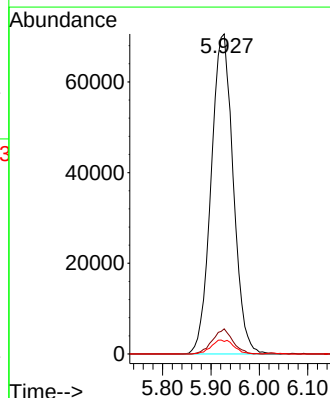
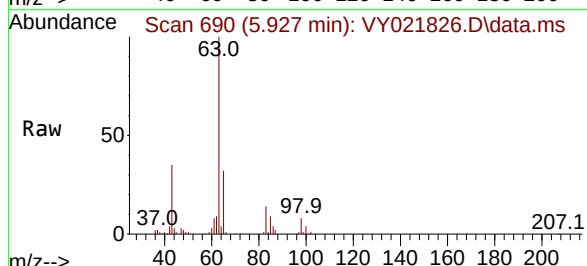
10.5

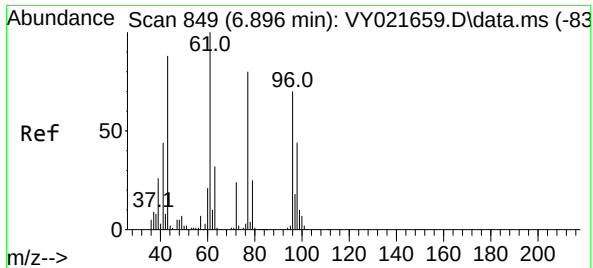
100

3.9

2.2

6.6





#25

2-Butanone

Concen: 220.606 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 14562

Ion Ratio Lower Upper

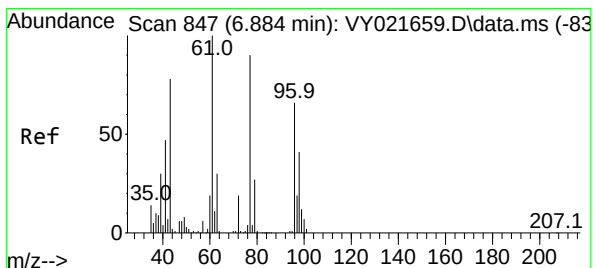
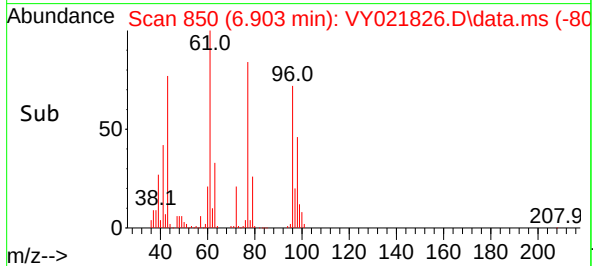
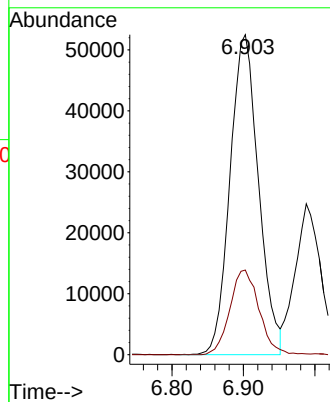
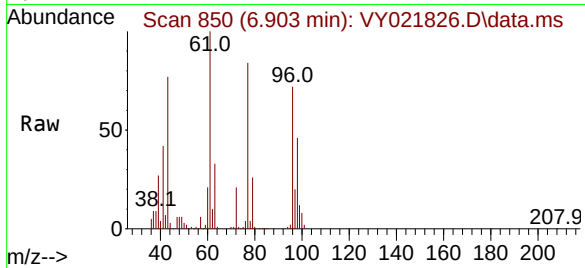
43 100

72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#26

2,2-Dichloropropane

Concen: 51.473 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021826.D

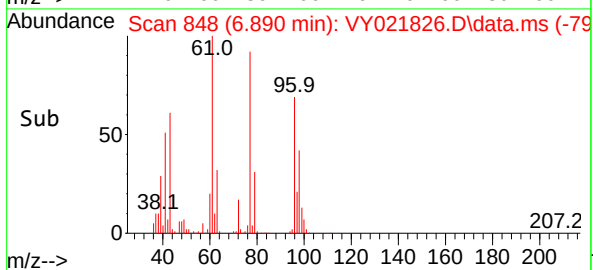
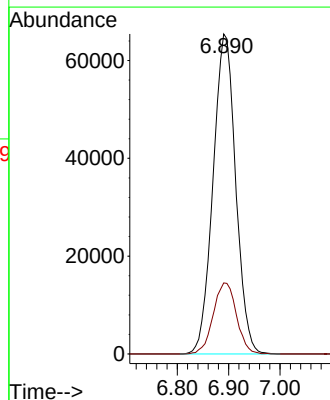
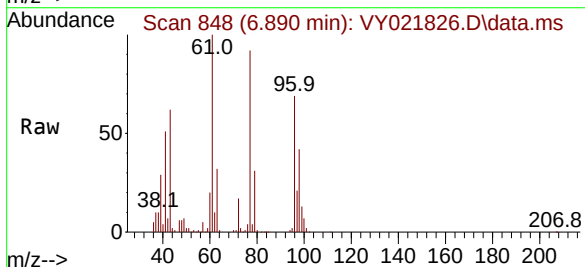
Acq: 10 Apr 2025 09:51

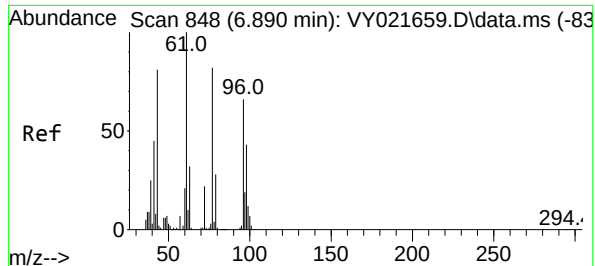
Tgt Ion: 77 Resp: 200181

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 51.686 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 139904

Ion Ratio Lower Upper

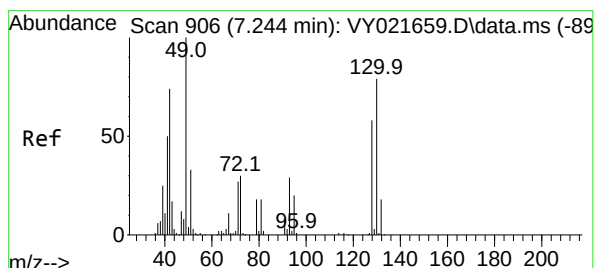
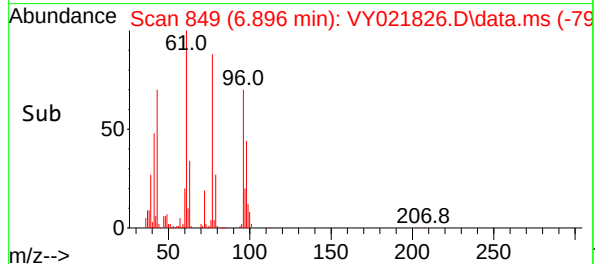
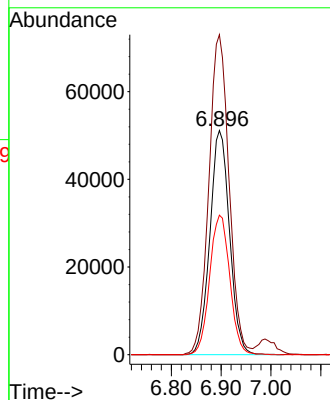
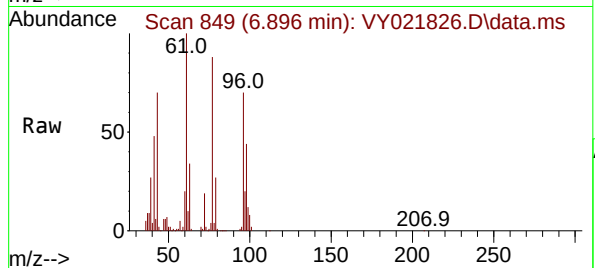
96 100

61 146.6 0.0 296.4

98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#28

Bromochloromethane

Concen: 50.649 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

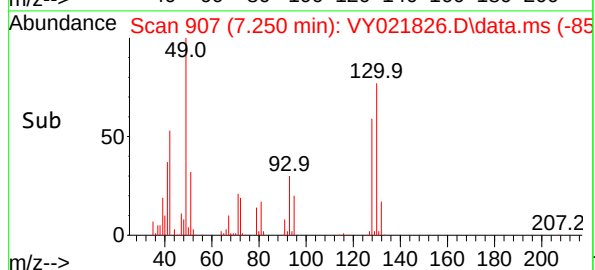
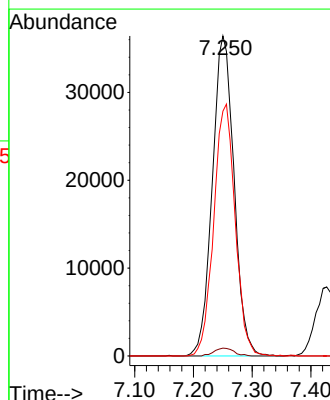
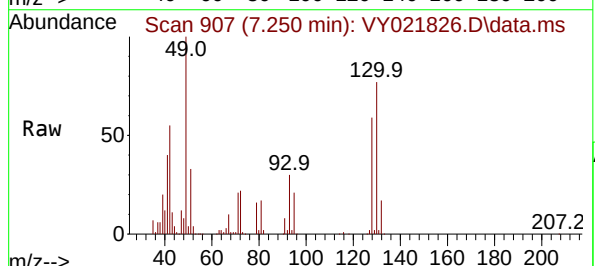
Tgt Ion: 49 Resp: 93389

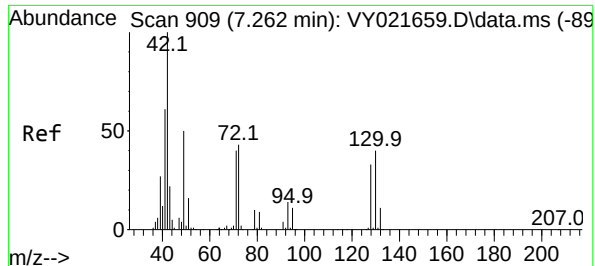
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 77.9 60.1 90.1





#29

Tetrahydrofuran

Concen: 212.656 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 9034

Ion Ratio Lower Upper

42 100

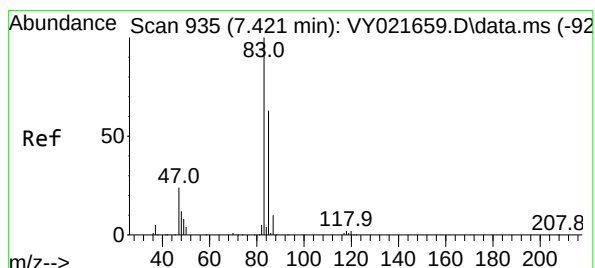
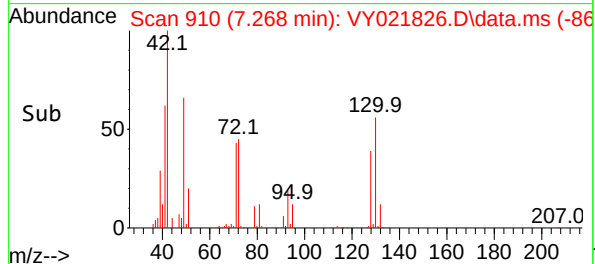
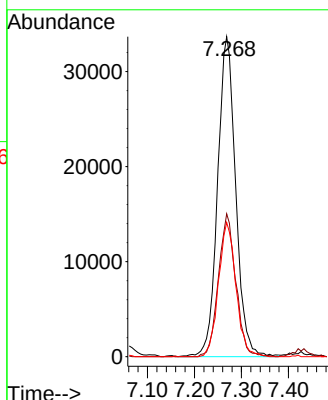
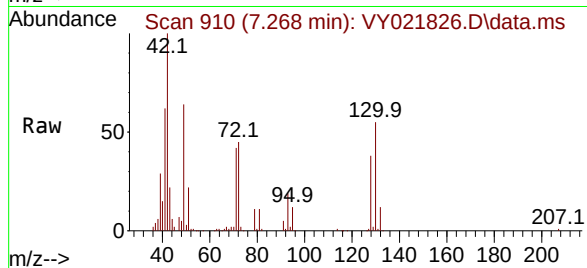
72 42.8 34.6 52.0

71 40.5 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#30

Chloroform

Concen: 51.125 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY021826.D

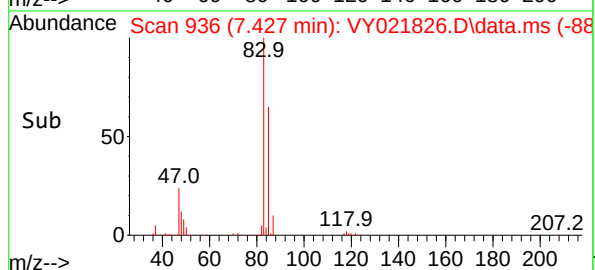
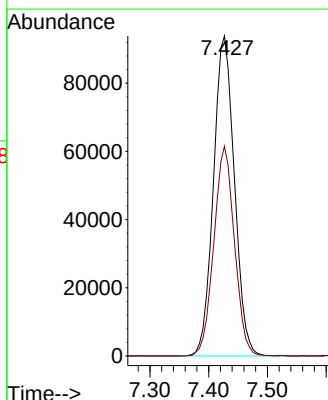
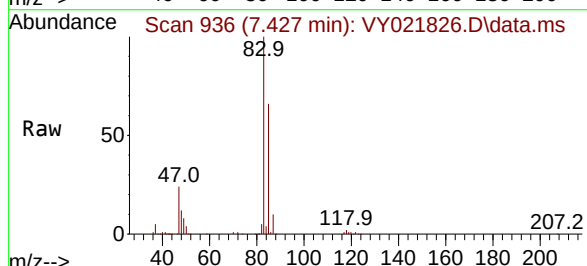
Acq: 10 Apr 2025 09:51

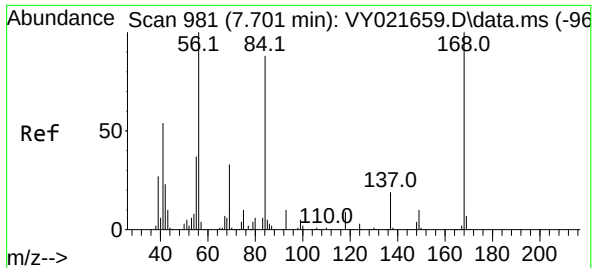
Tgt Ion: 83 Resp: 232484

Ion Ratio Lower Upper

83 100

85 65.6 50.6 75.8





#31

Cyclohexane

Concen: 46.287 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 184475

Ion Ratio Lower Upper

56 100

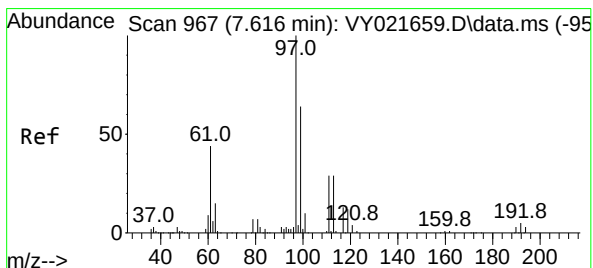
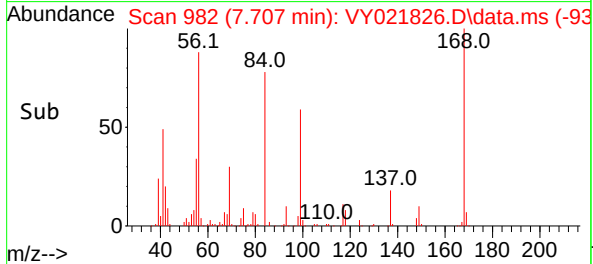
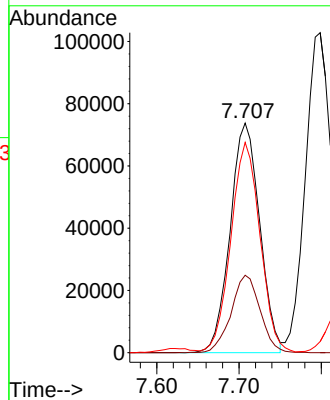
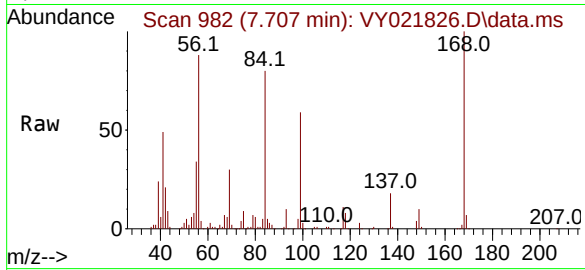
69 33.6 26.6 40.0

84 89.9 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#32

1,1,1-Trichloroethane

Concen: 50.770 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

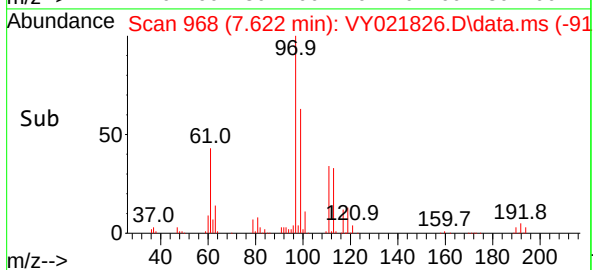
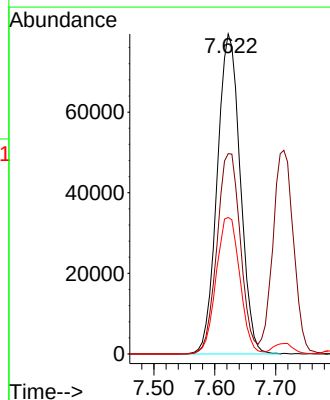
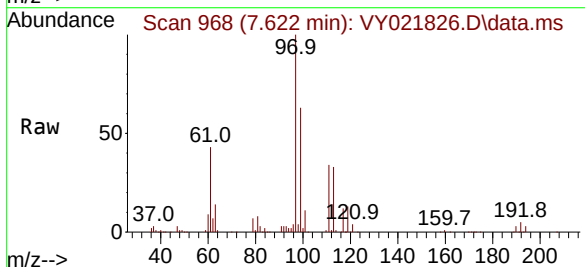
Tgt Ion: 97 Resp: 208666

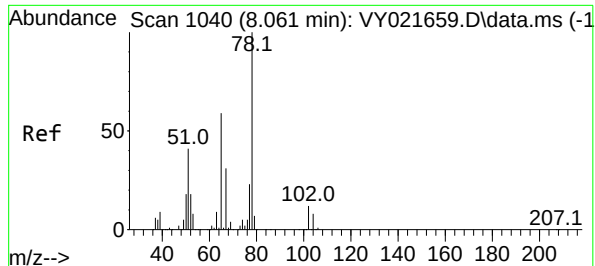
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.206 ug/l

RT: 8.067 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 11111

Ion Ratio Lower Upper

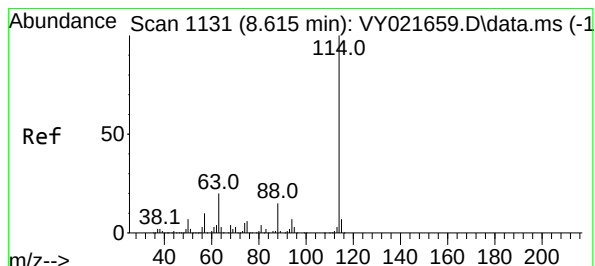
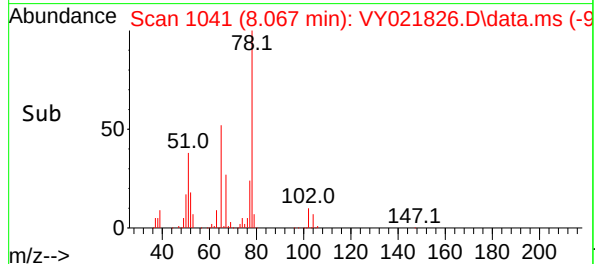
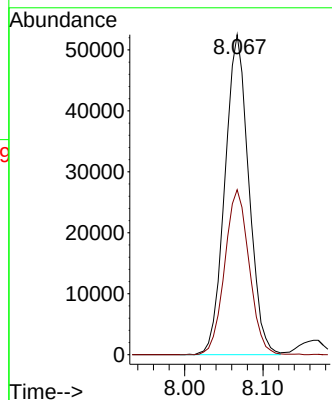
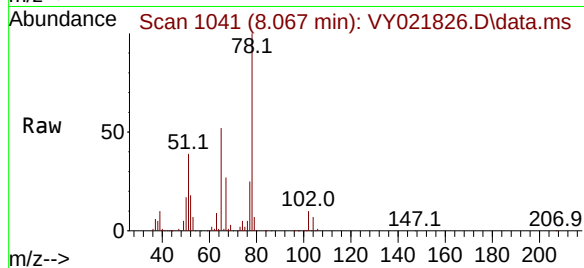
65 100

67 52.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

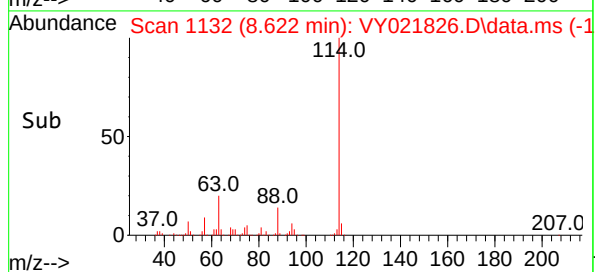
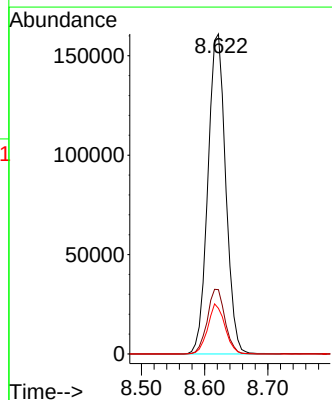
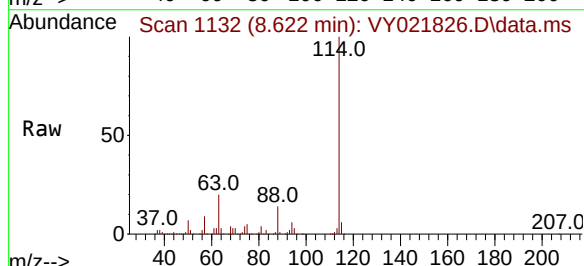
Tgt Ion:114 Resp: 315600

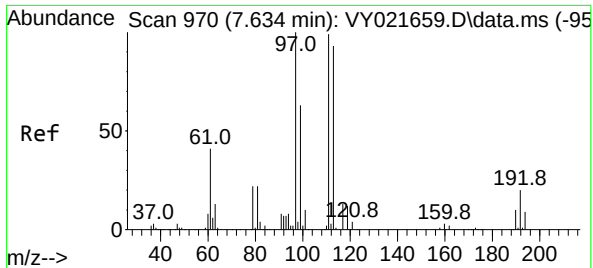
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.881 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 112354

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

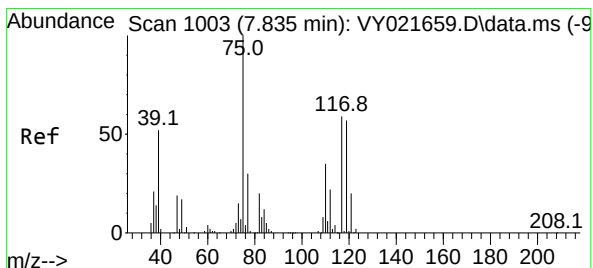
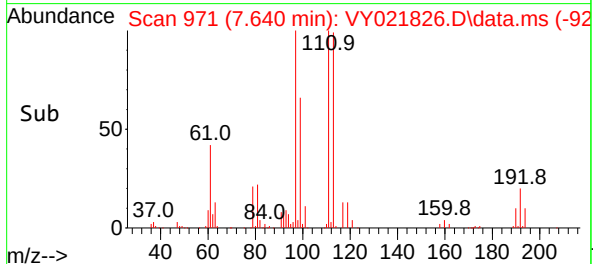
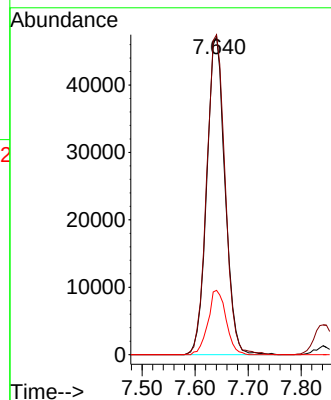
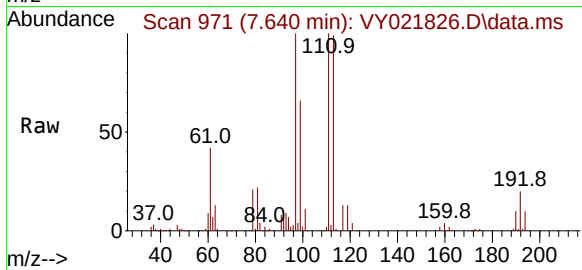
192 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#36

1,1-Dichloropropene

Concen: 52.798 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

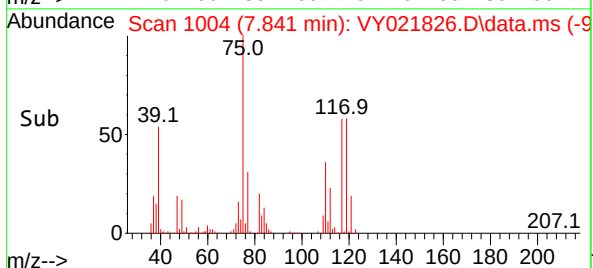
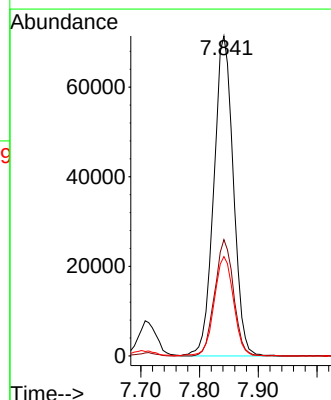
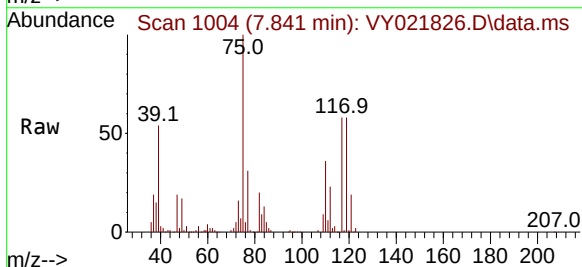
Tgt Ion: 75 Resp: 164638

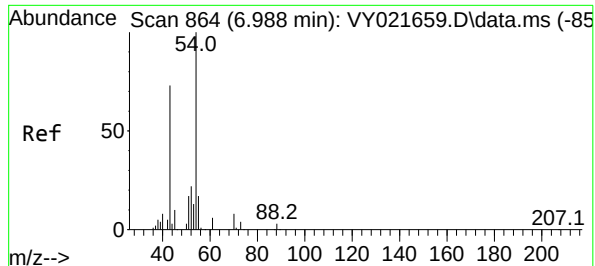
Ion Ratio Lower Upper

75 100

110 35.2 17.0 50.9

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 42.738 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 62890

Ion Ratio Lower Upper

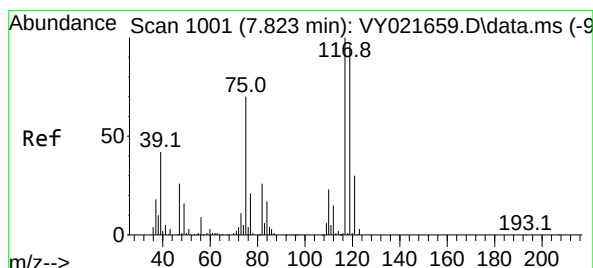
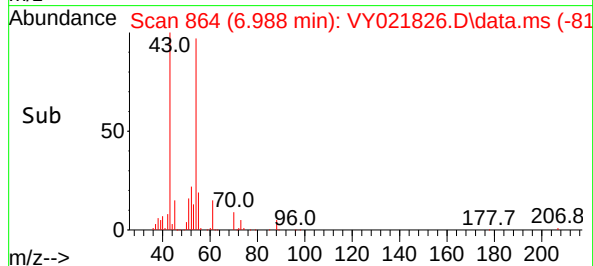
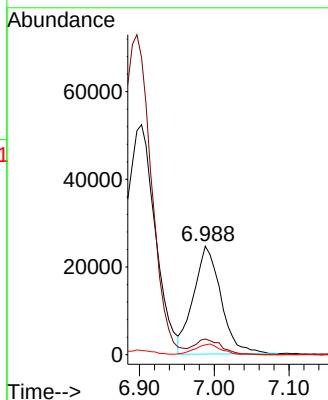
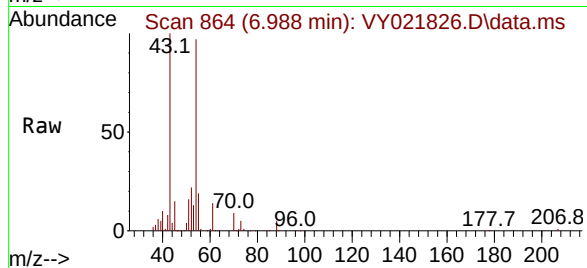
43 100

61 13.9 11.0 16.6

70 8.6 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#38

Carbon Tetrachloride

Concen: 52.675 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

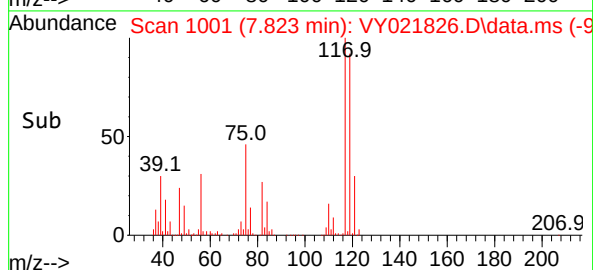
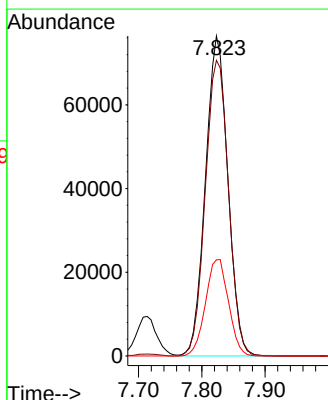
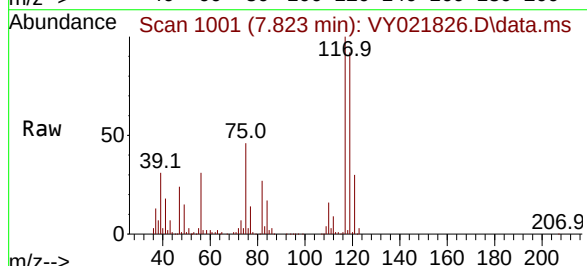
Tgt Ion:117 Resp: 188128

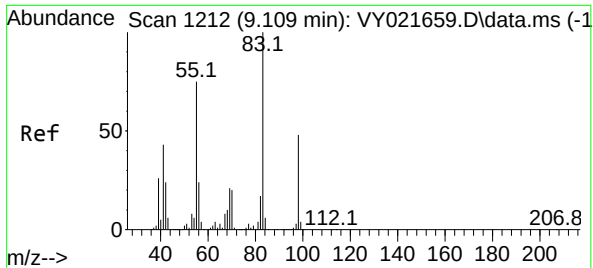
Ion Ratio Lower Upper

117 100

119 92.4 76.2 114.4

121 30.0 24.2 36.4





#39

Methylcyclohexane

Concen: 52.136 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 19421

Ion Ratio Lower Upper

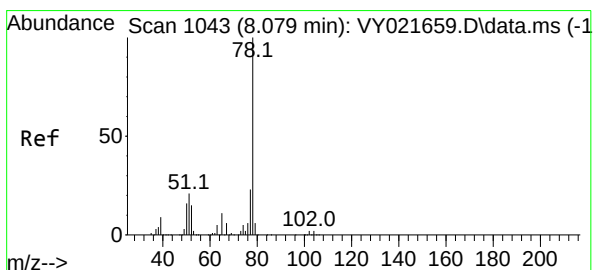
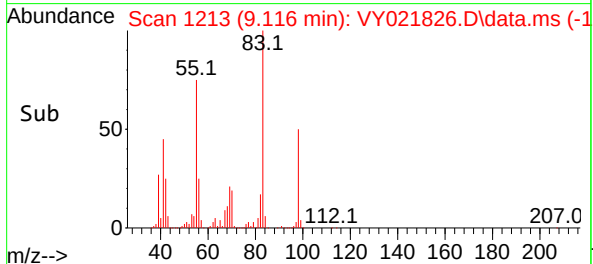
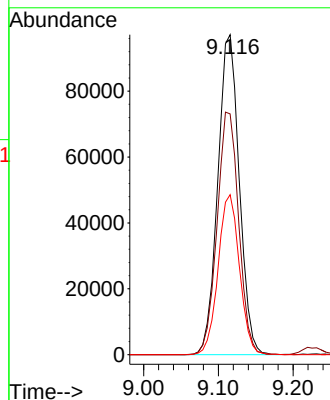
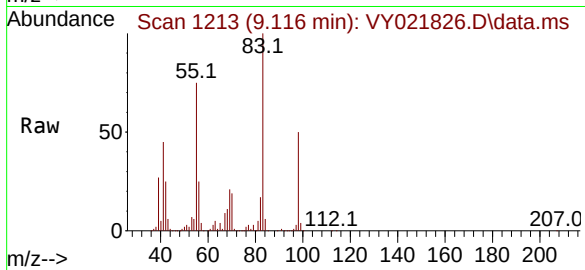
83 100

55 75.2 59.7 89.5

98 50.0 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#40

Benzene

Concen: 53.693 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY021826.D

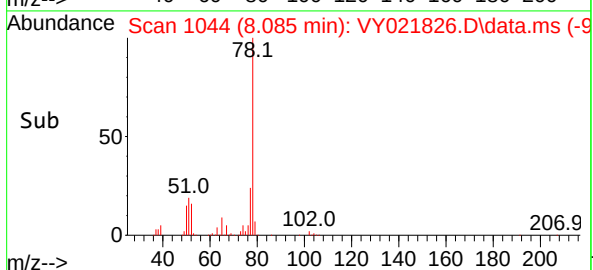
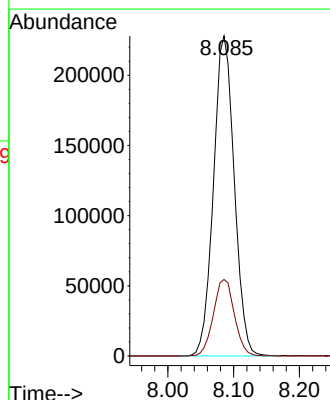
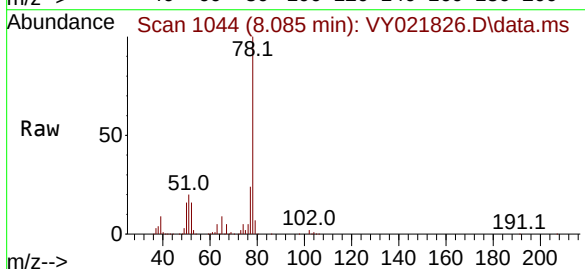
Acq: 10 Apr 2025 09:51

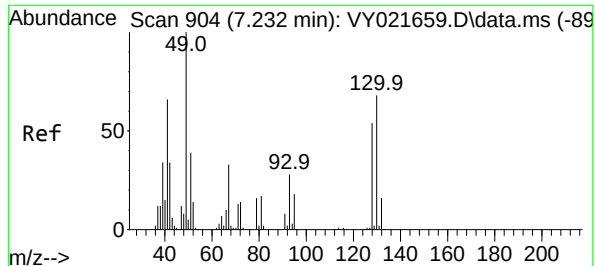
Tgt Ion: 78 Resp: 501413

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2





#41

Methacrylonitrile

Concen: 43.413 ug/l

RT: 7.226 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 33929

Ion Ratio Lower Upper

41 100

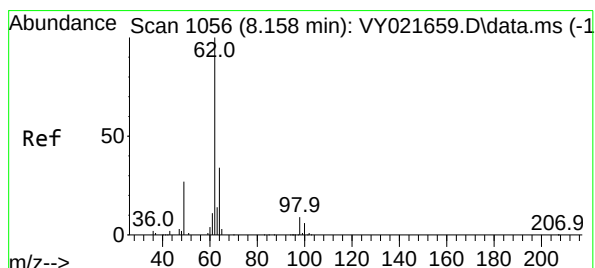
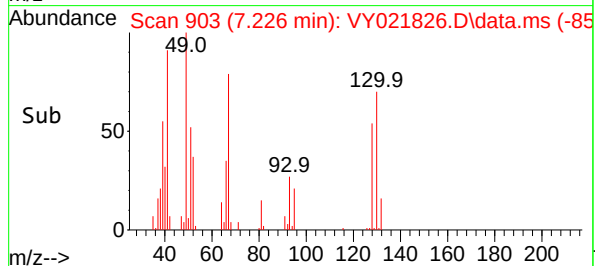
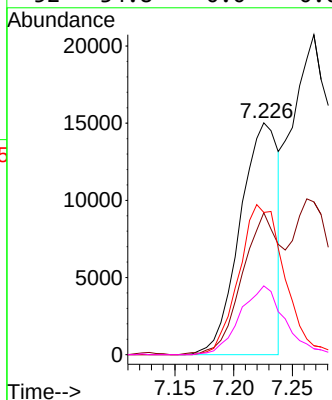
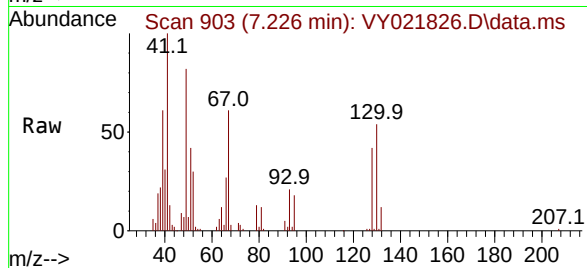
39 63.4 0.0 0.0

67 78.0 0.0 0.0

52 34.8 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#42

1,2-Dichloroethane

Concen: 50.553 ug/l

RT: 8.165 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VY021826.D

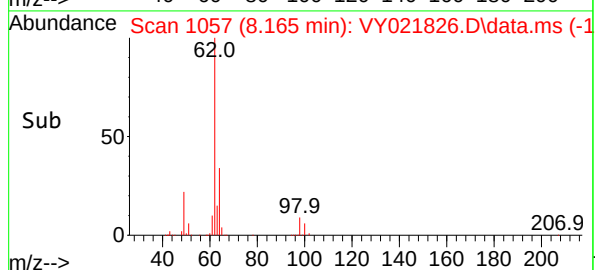
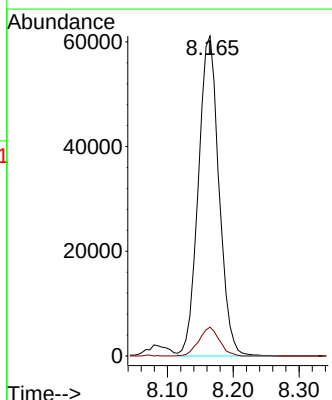
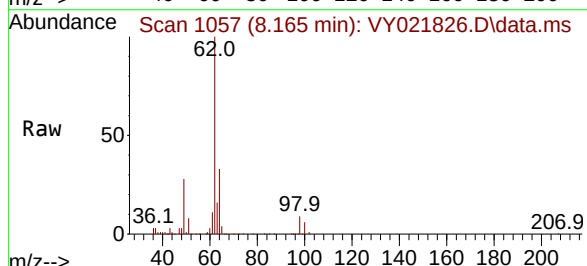
Acq: 10 Apr 2025 09:51

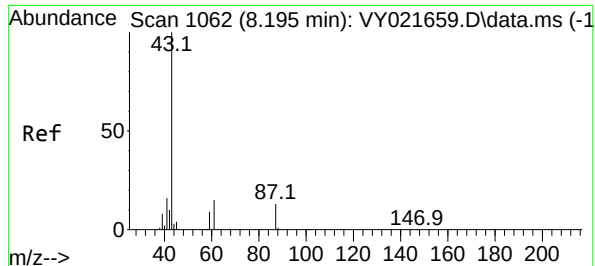
Tgt Ion: 62 Resp: 133088

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 44.479 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 124040

Ion Ratio Lower Upper

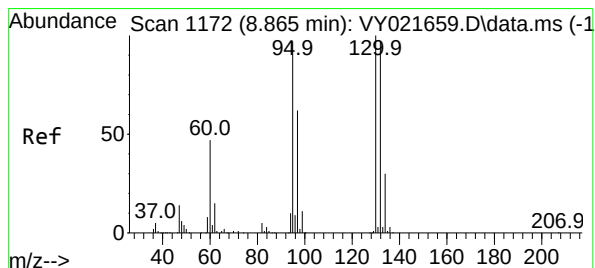
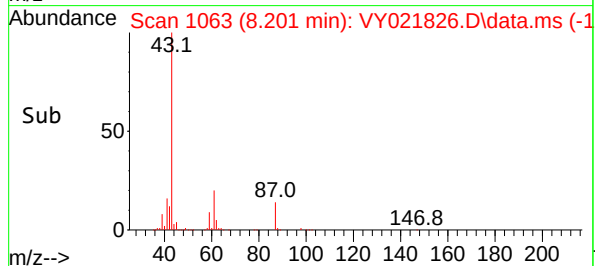
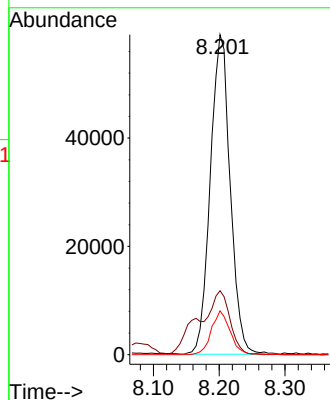
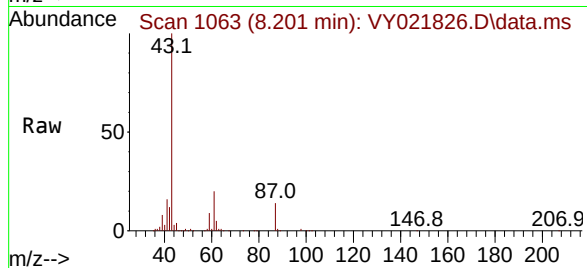
43 100

61 19.9 15.9 23.9

87 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#44

Trichloroethene

Concen: 53.929 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY021826.D

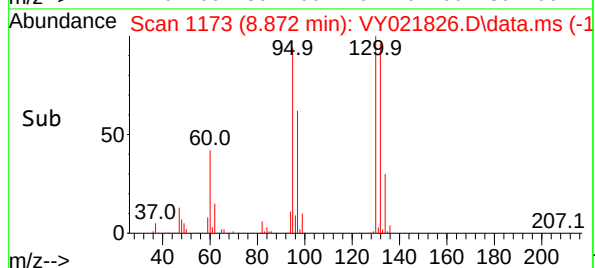
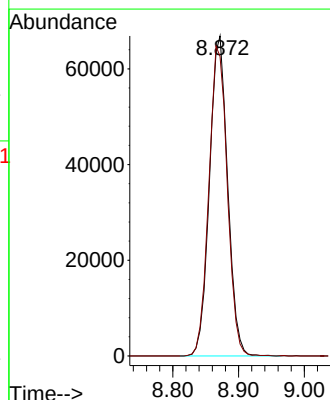
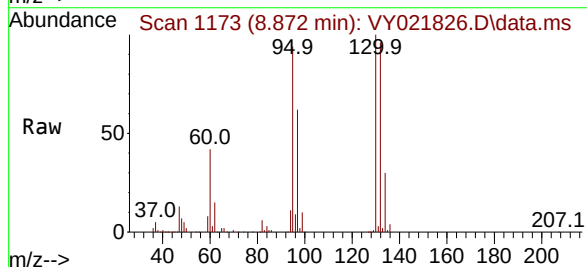
Acq: 10 Apr 2025 09:51

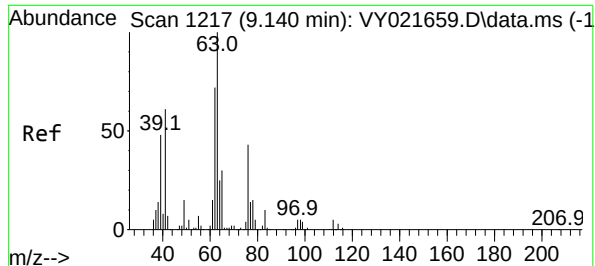
Tgt Ion:130 Resp: 128316

Ion Ratio Lower Upper

130 100

95 93.6 0.0 194.8





#45

1,2-Dichloropropane

Concen: 53.892 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 119120

Ion Ratio Lower Upper

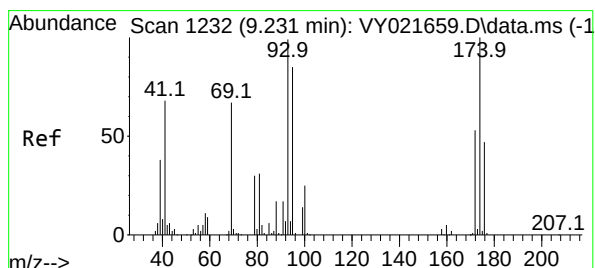
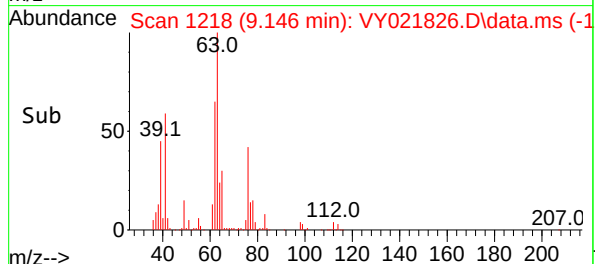
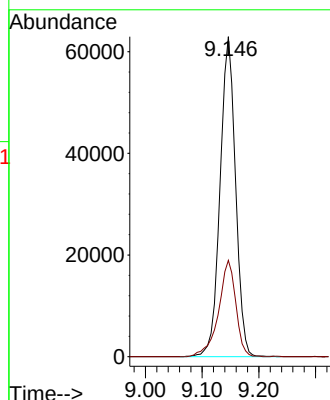
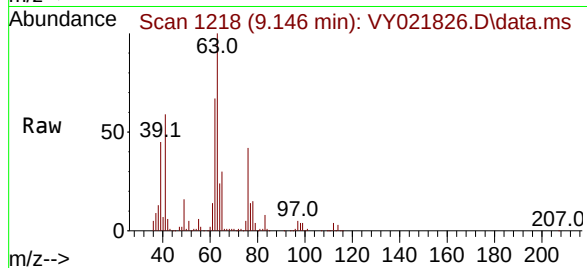
63 100

65 30.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#46

Dibromomethane

Concen: 50.428 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

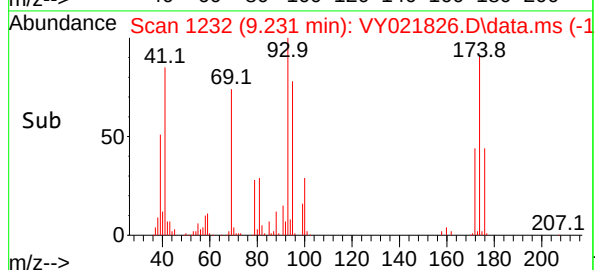
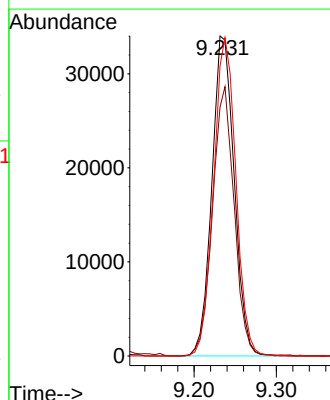
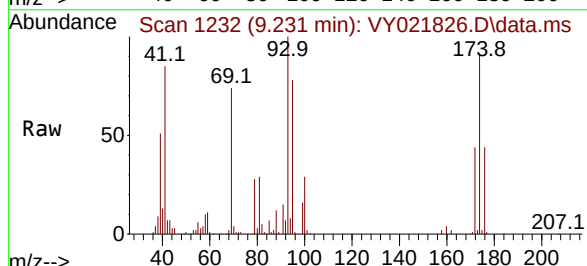
Tgt Ion: 93 Resp: 64243

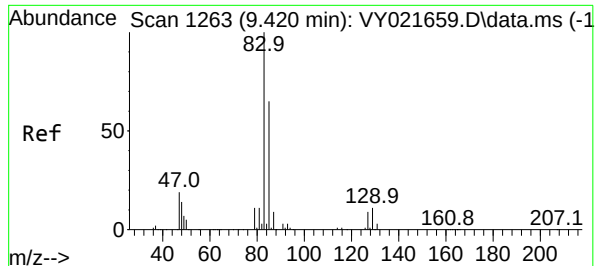
Ion Ratio Lower Upper

93 100

95 81.6 68.1 102.1

174 99.4 80.9 121.3





#47

Bromodichloromethane

Concen: 52.651 ug/l

RT: 9.427 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 17380

Ion Ratio Lower Upper

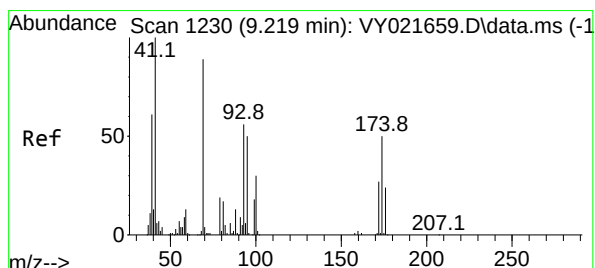
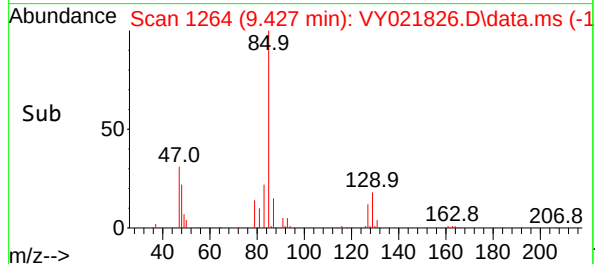
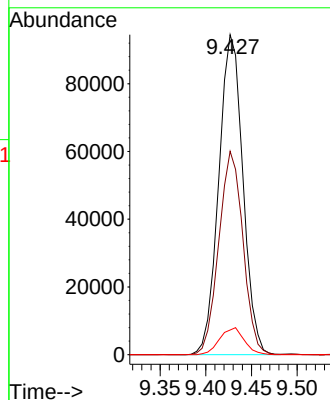
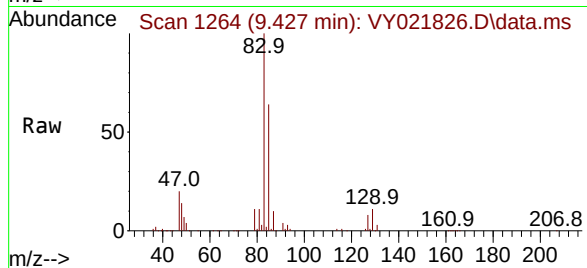
83 100

85 63.6 51.8 77.6

127 7.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#48

Methyl methacrylate

Concen: 46.806 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

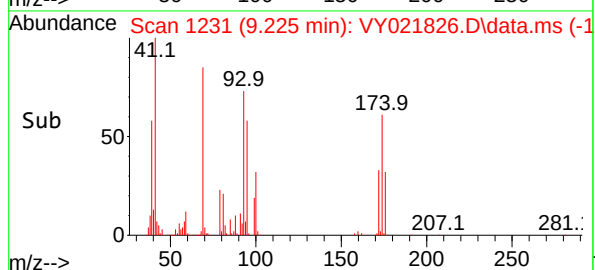
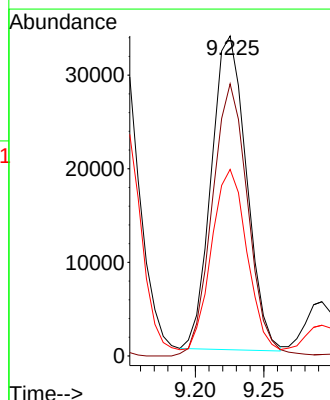
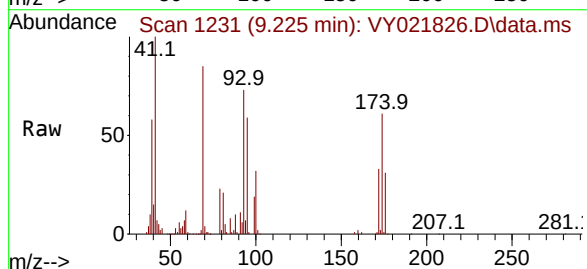
Tgt Ion: 41 Resp: 59911

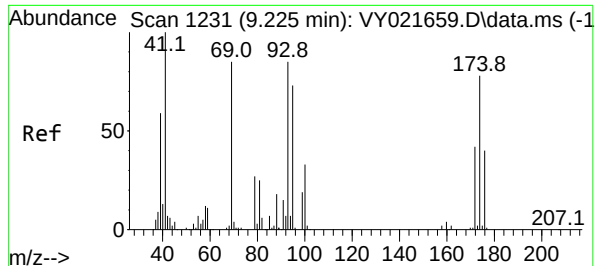
Ion Ratio Lower Upper

41 100

69 88.2 69.8 104.8

39 57.9 47.2 70.8





#49

1,4-Dioxane

Concen: 895.567 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.012 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1222

Ion Ratio Lower Upper

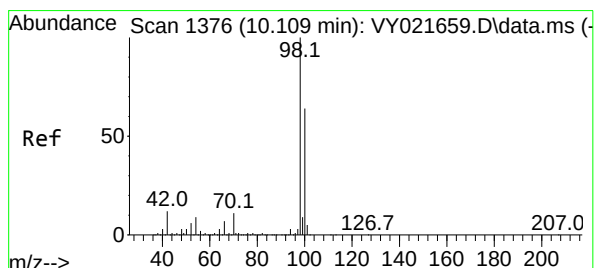
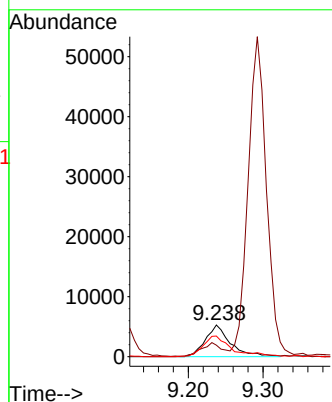
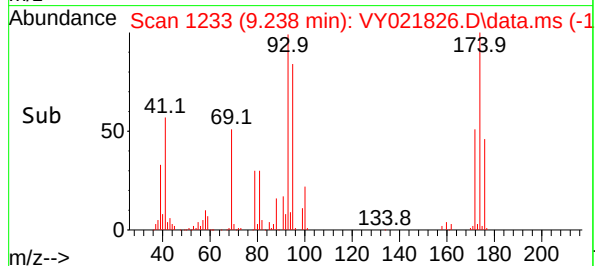
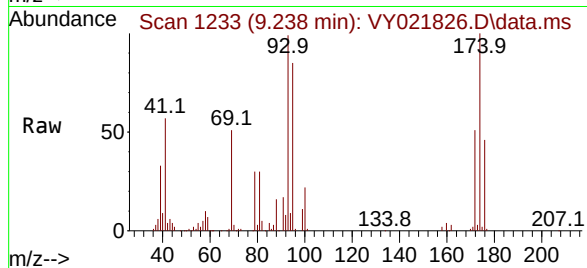
88 100

43 36.0 28.8 43.2

58 75.6 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#50

Toluene-d8

Concen: 56.094 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021826.D

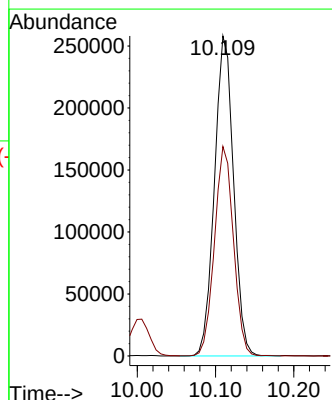
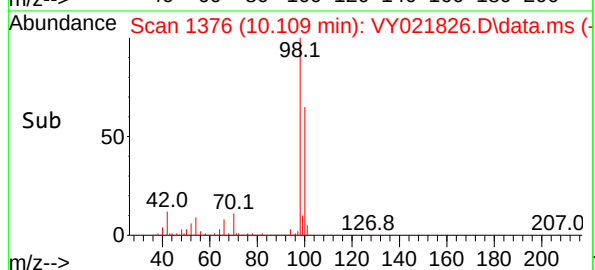
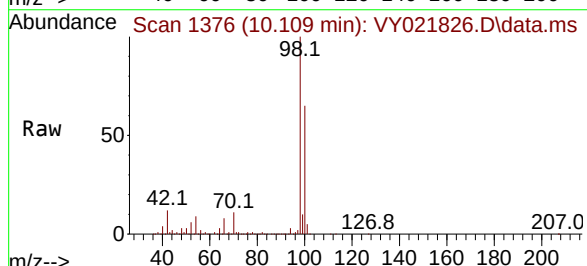
Acq: 10 Apr 2025 09:51

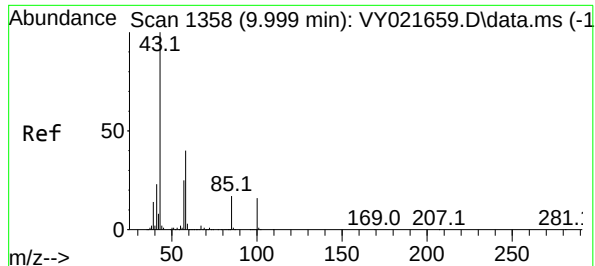
Tgt Ion: 98 Resp: 436882

Ion Ratio Lower Upper

98 100

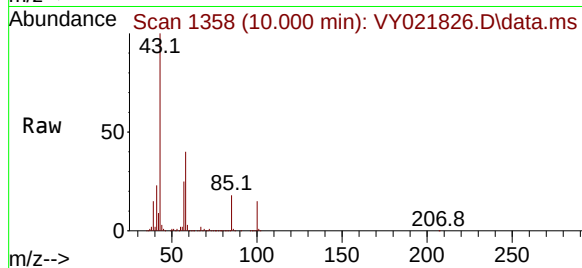
100 65.1 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 229.648 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

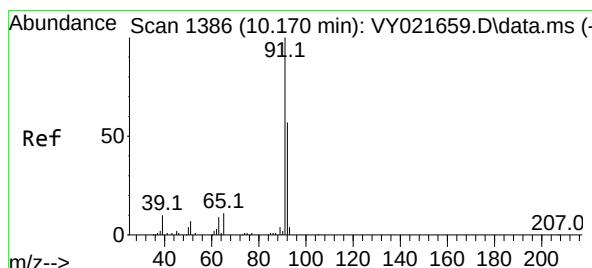
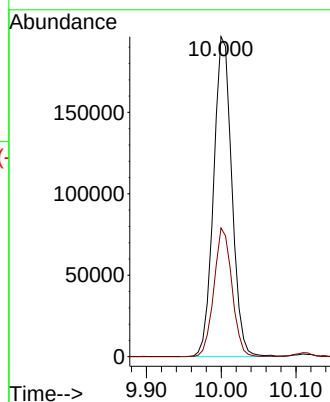
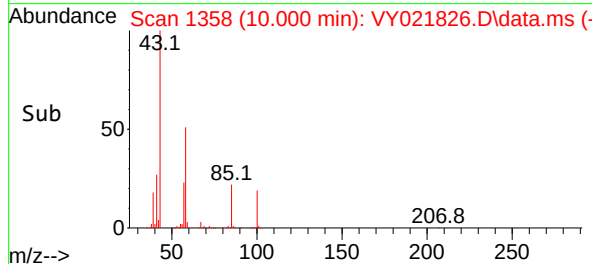
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



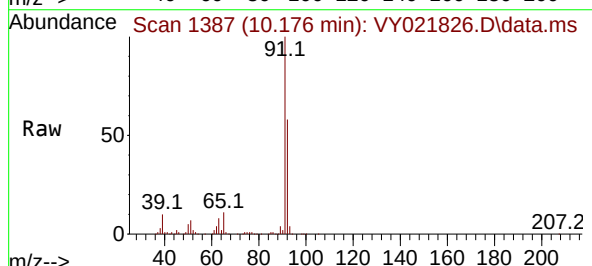
Tgt Ion: 43 Resp: 333294
Ion Ratio Lower Upper
43 100
58 39.8 31.5 47.3

Manual Integrations
APPROVED

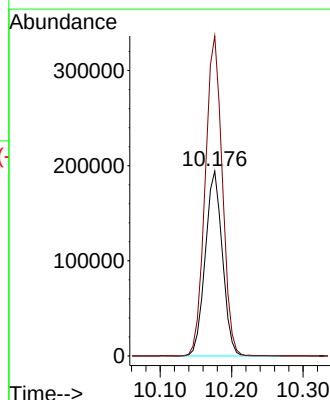
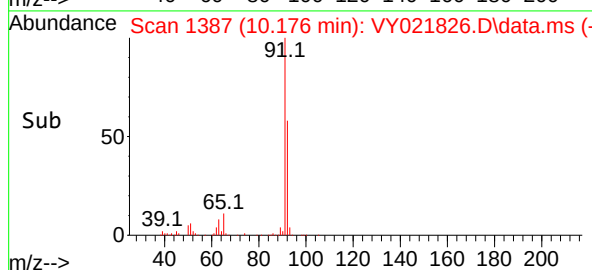
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

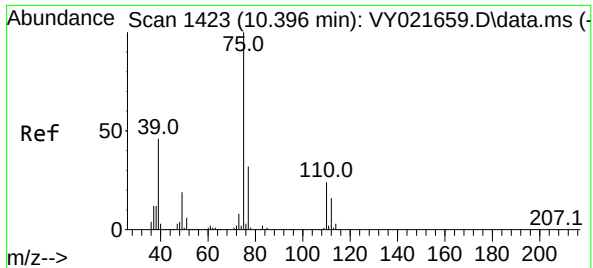


#52
Toluene
Concen: 55.379 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



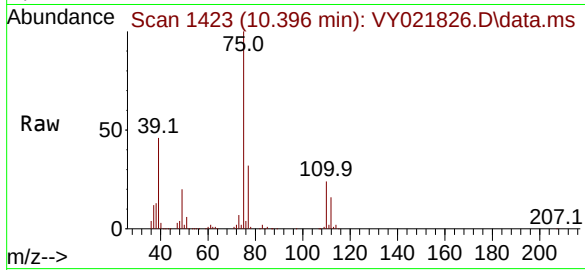
Tgt Ion: 92 Resp: 322657
Ion Ratio Lower Upper
92 100
91 173.3 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 50.659 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

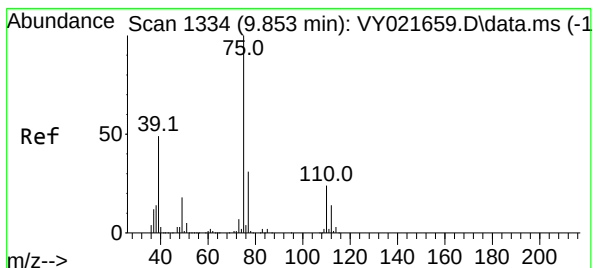
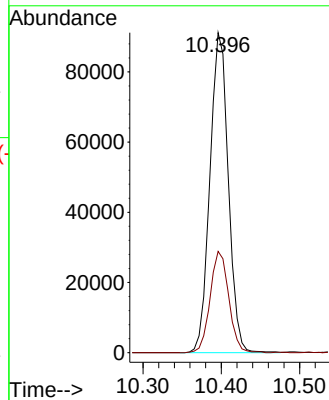
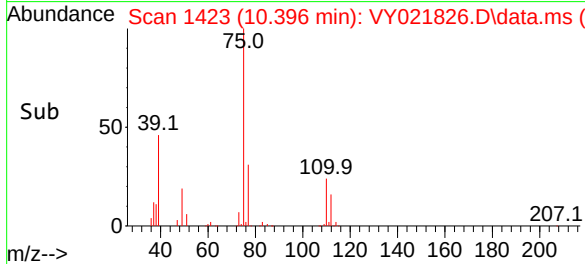
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 148534
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

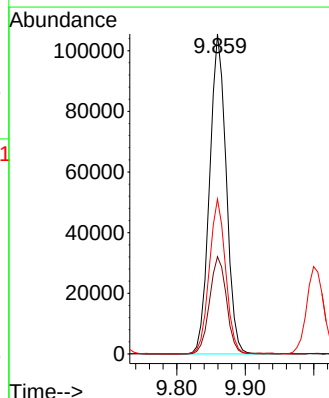
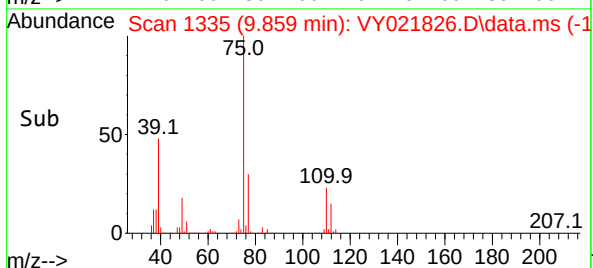
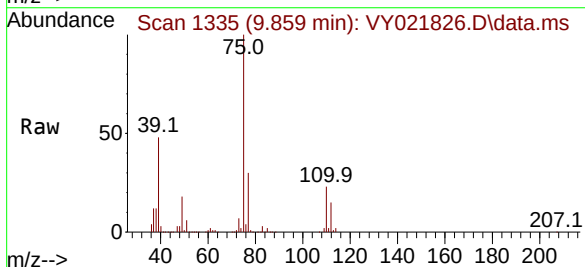
Manual Integrations
APPROVED

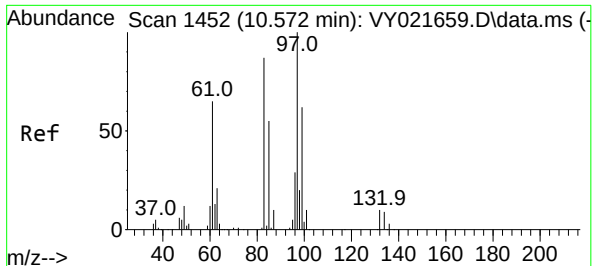
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#54
cis-1,3-Dichloropropene
Concen: 51.443 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

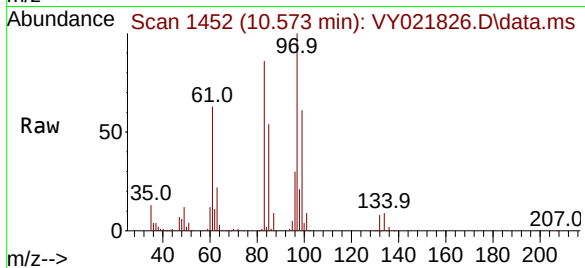
Tgt Ion: 75 Resp: 177943
Ion Ratio Lower Upper
75 100
77 30.4 24.9 37.3
39 48.3 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 50.986 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

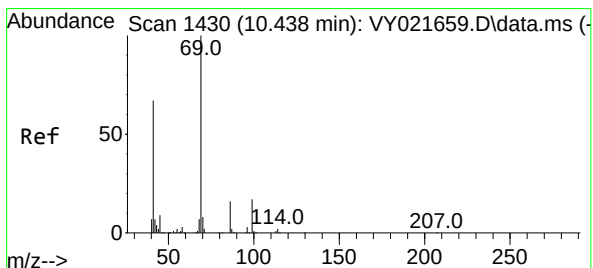
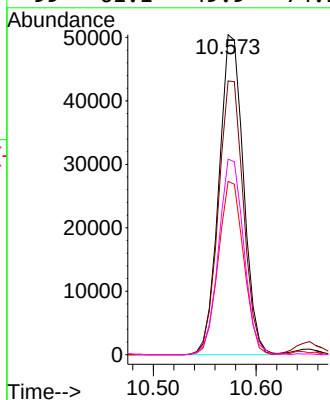
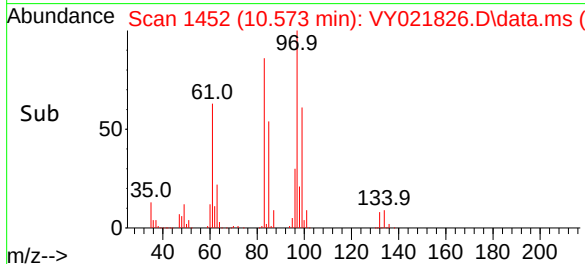
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



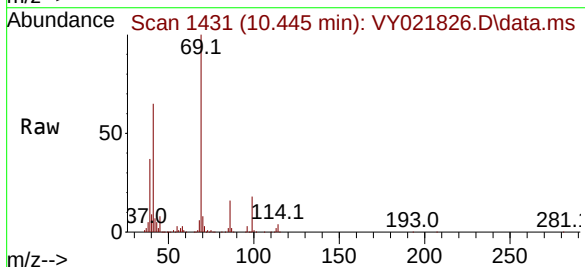
Tgt Ion: 97 Resp: 83588
Ion Ratio Lower Upper
97 100
83 85.6 69.5 104.3
85 54.1 43.9 65.9
99 61.1 49.9 74.9

Manual Integrations
APPROVED

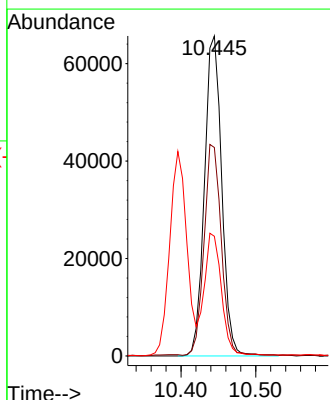
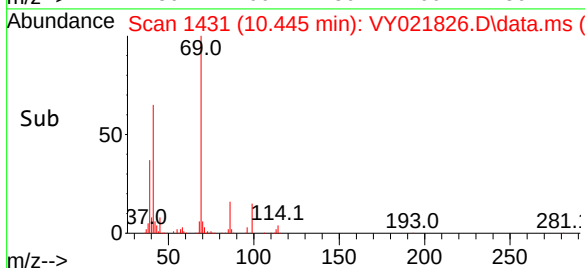
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

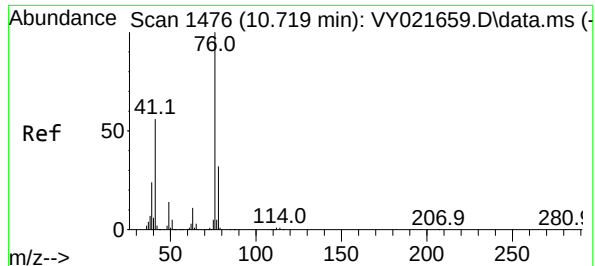


#56
Ethyl methacrylate
Concen: 50.340 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



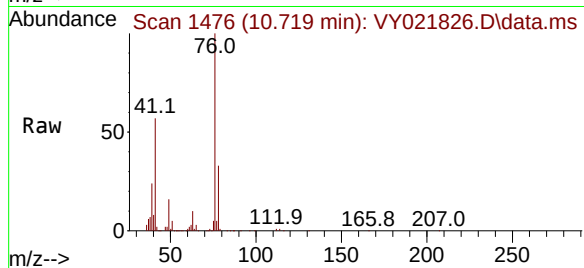
Tgt Ion: 69 Resp: 105379
Ion Ratio Lower Upper
69 100
41 66.1 53.8 80.6
39 37.8 29.6 44.4





#57
1,3-Dichloropropane
Concen: 51.185 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

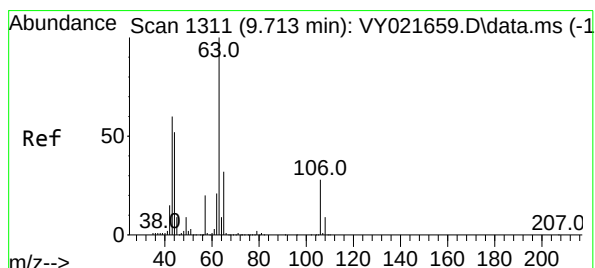
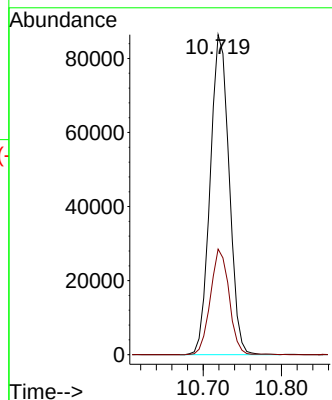
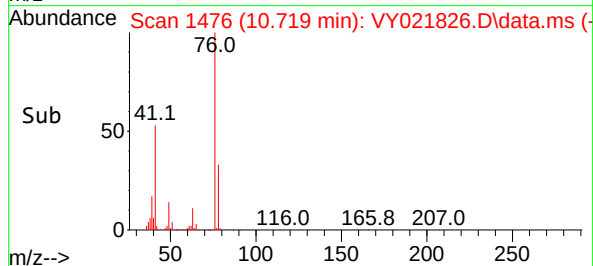
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 144923
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

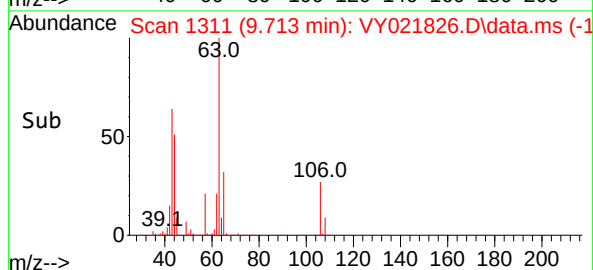
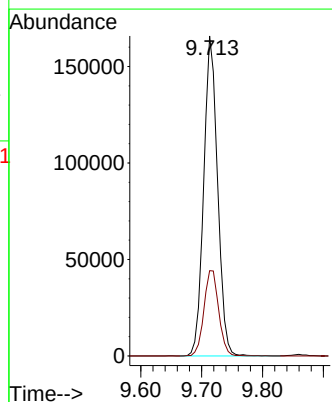
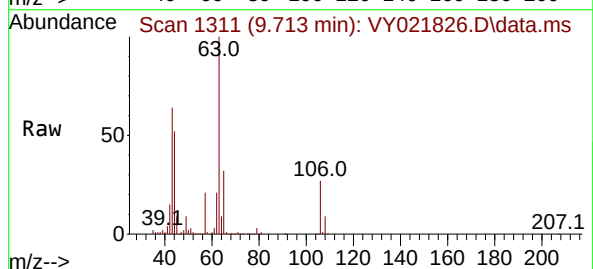
Manual Integrations
APPROVED

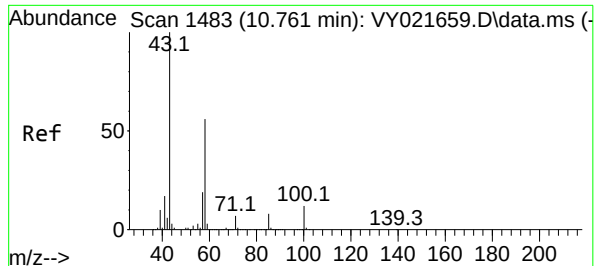
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#58
2-Chloroethyl Vinyl ether
Concen: 256.900 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion: 63 Resp: 262347
Ion Ratio Lower Upper
63 100
106 28.4 22.4 33.6





#59

2-Hexanone

Concen: 236.540 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 228630

Ion Ratio Lower Upper

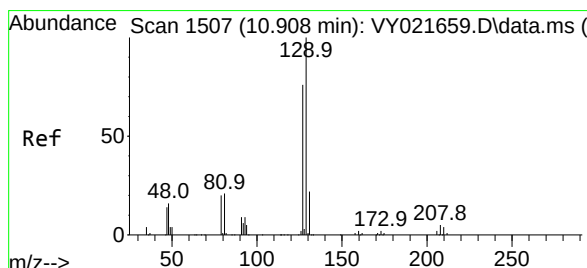
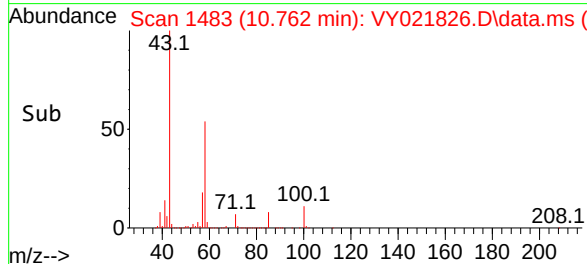
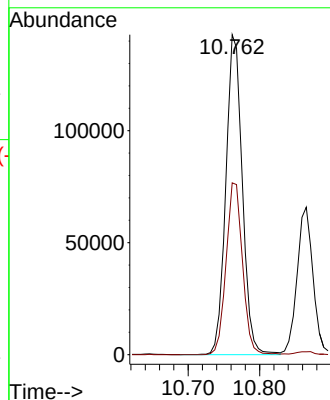
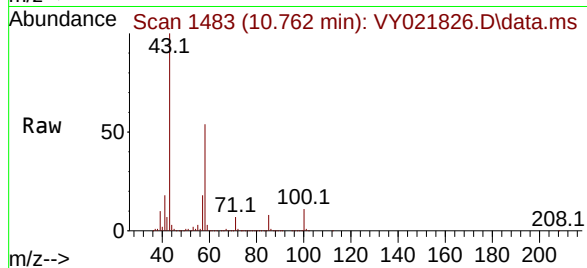
43 100

58 53.6 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#60

Dibromochloromethane

Concen: 52.111 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021826.D

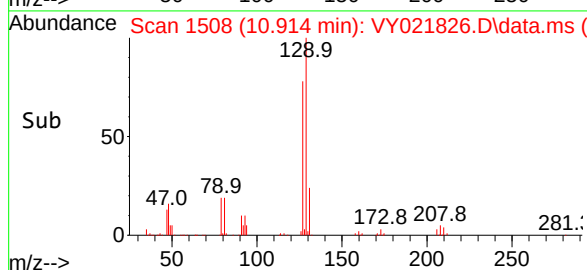
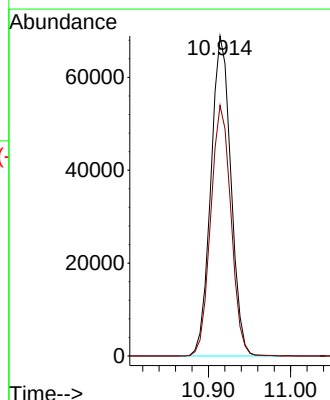
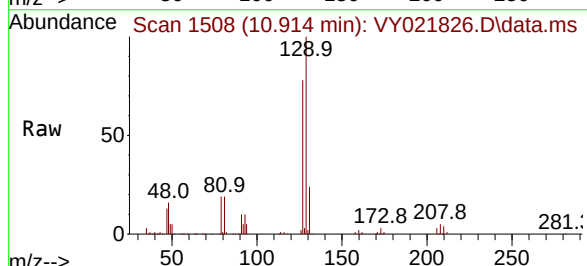
Acq: 10 Apr 2025 09:51

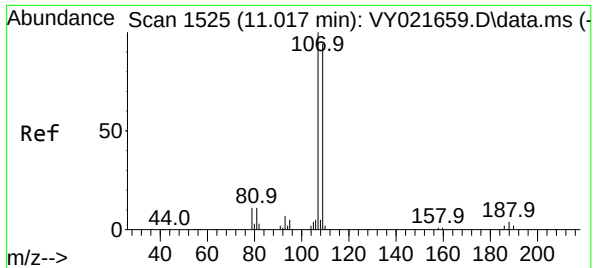
Tgt Ion:129 Resp: 116641

Ion Ratio Lower Upper

129 100

127 79.0 38.6 115.7





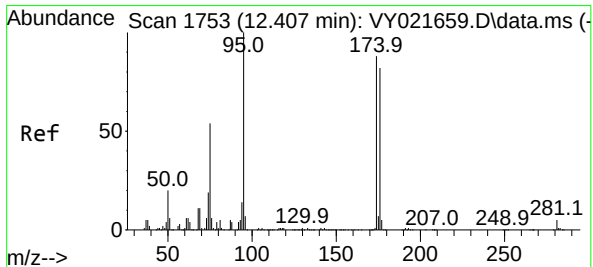
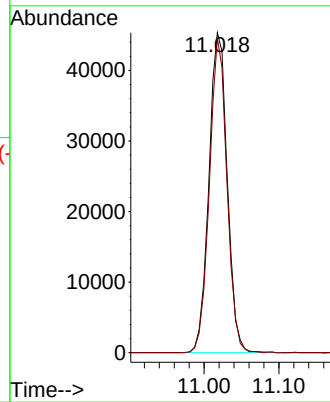
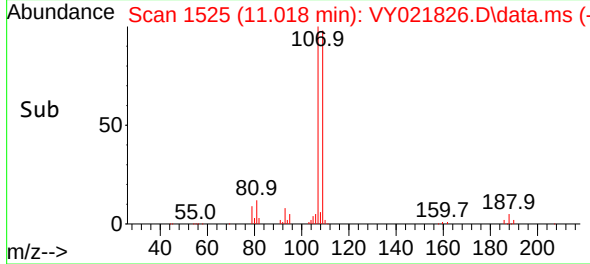
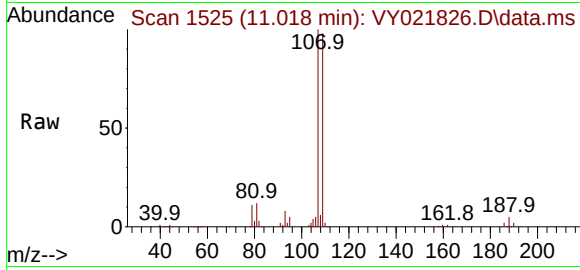
#61
1,2-Dibromoethane
Concen: 50.169 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 7715
Ion Ratio Lower Upper
107 100
109 93.7 74.4 111.6

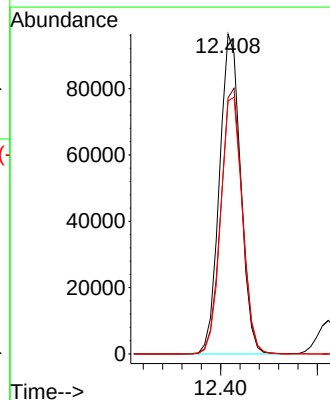
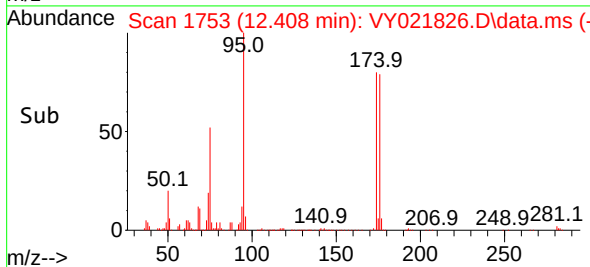
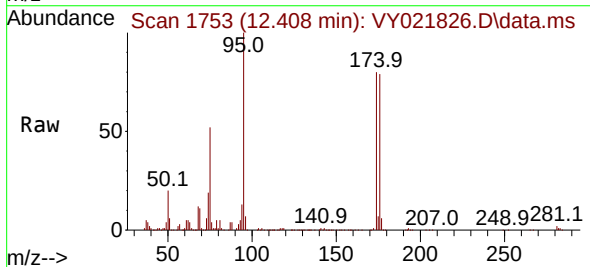
Manual Integrations
APPROVED

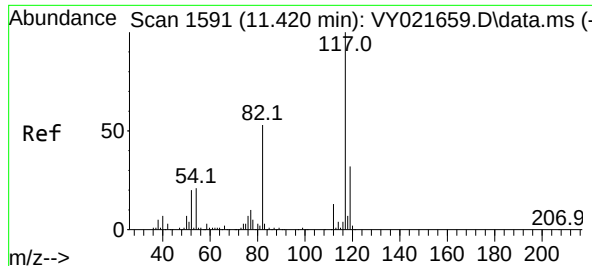
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#62
4-Bromofluorobenzene
Concen: 55.404 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

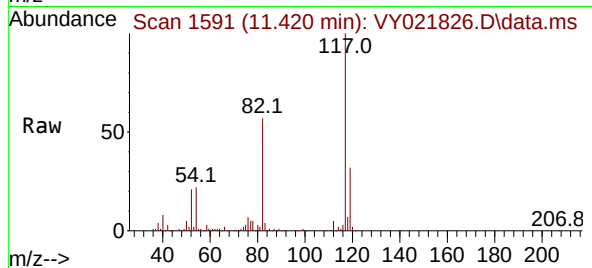
Tgt Ion: 95 Resp: 145955
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.8
176 82.1 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

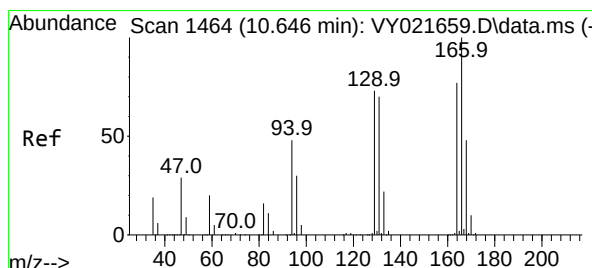
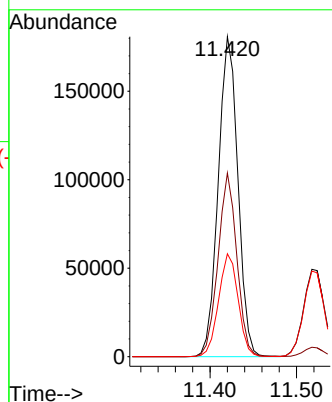
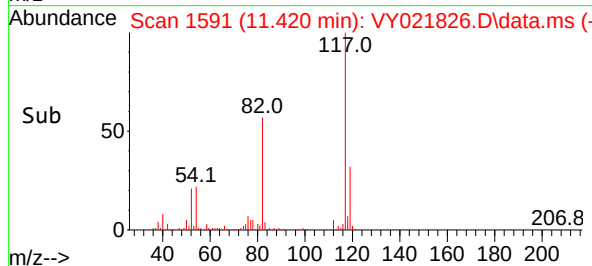
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 28470
Ion Ratio Lower Upper
117 100
82 57.4 42.8 64.2
119 32.1 25.7 38.5

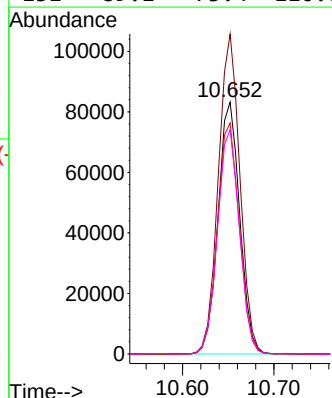
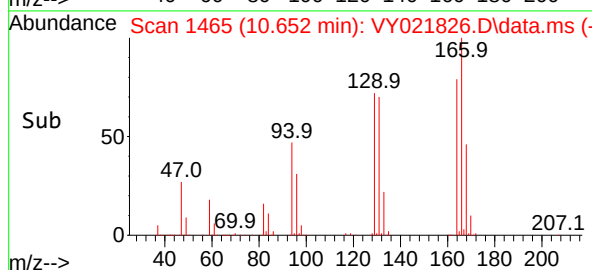
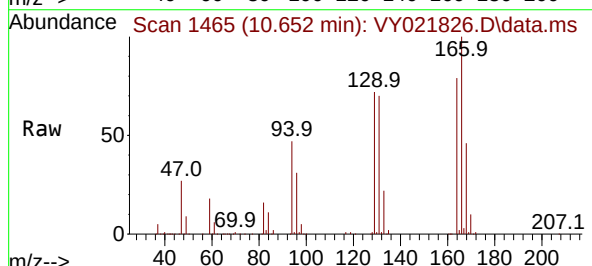
Manual Integrations
APPROVED

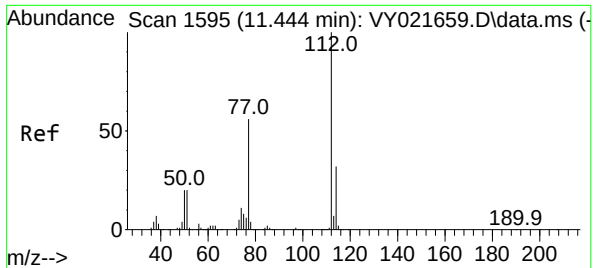
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#64
Tetrachloroethene
Concen: 52.948 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

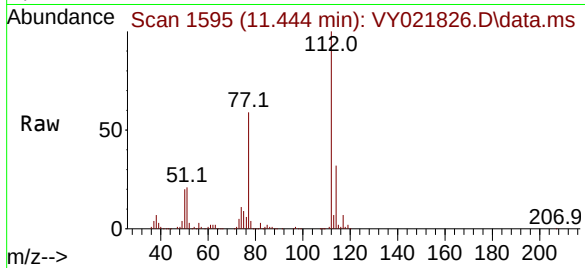
Tgt Ion:164 Resp: 137294
Ion Ratio Lower Upper
164 100
166 127.0 104.6 156.8
129 91.7 76.6 114.8
131 89.1 73.4 110.0





#65
Chlorobenzene
Concen: 53.067 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

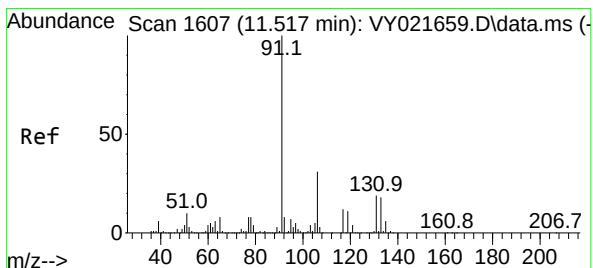
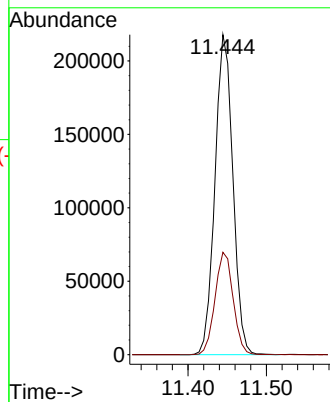
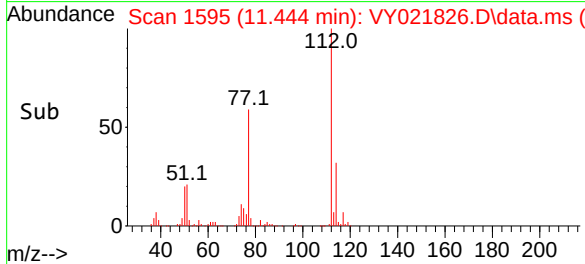
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



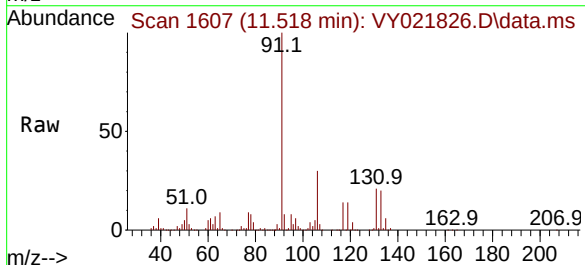
Tgt Ion:112 Resp: 346329
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

Manual Integrations
APPROVED

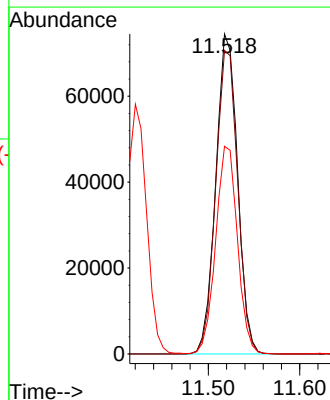
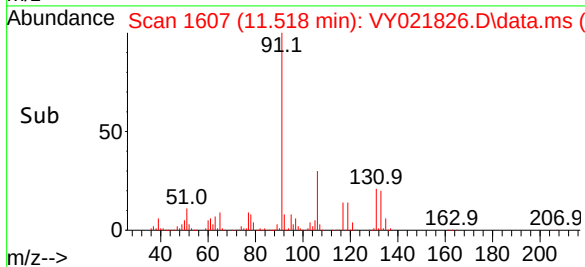
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

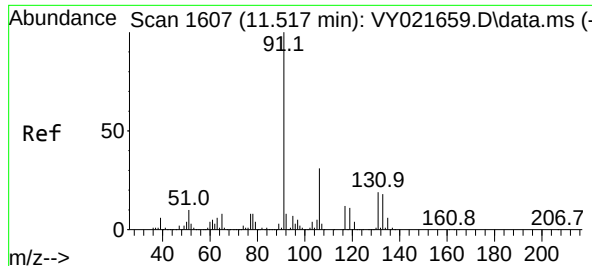


#66
1,1,1,2-Tetrachloroethane
Concen: 53.290 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



Tgt Ion:131 Resp: 123394
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 65.1 31.6 95.0





#67

Ethyl Benzene

Concen: 55.100 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 61662

Ion Ratio Lower Upper

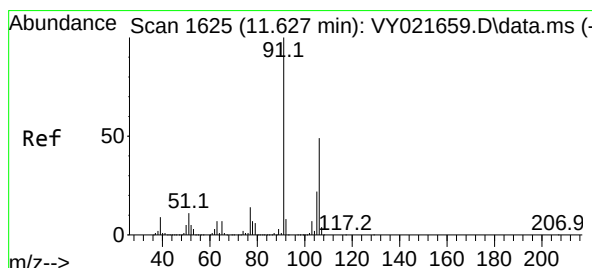
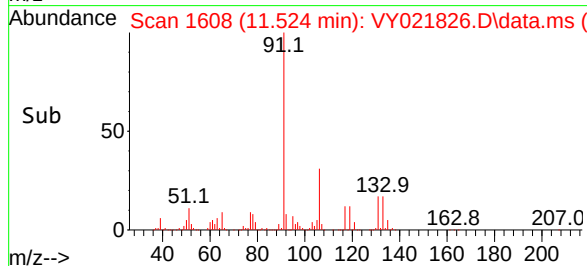
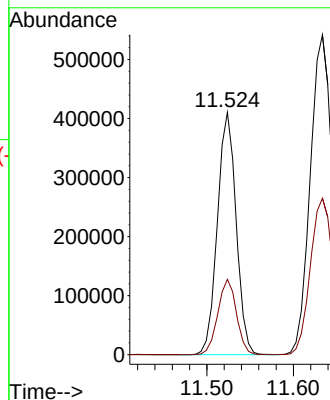
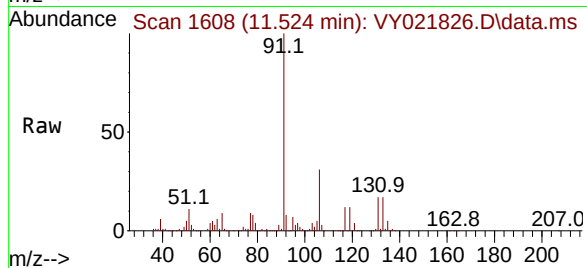
91 100

106 31.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#68

m/p-Xylenes

Concen: 112.386 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021826.D

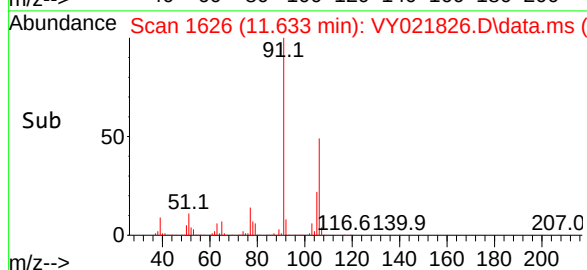
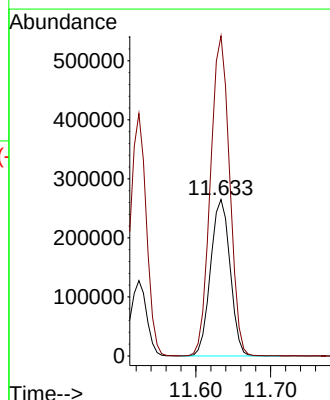
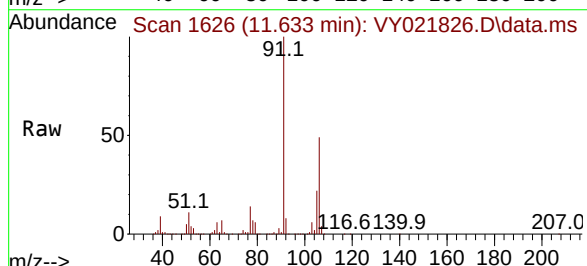
Acq: 10 Apr 2025 09:51

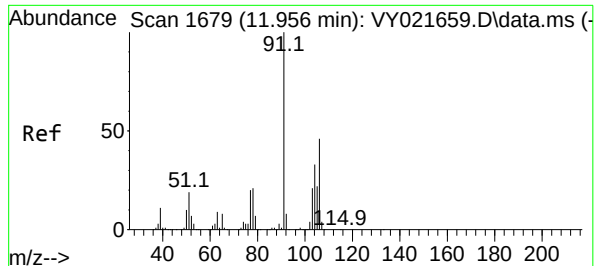
Tgt Ion:106 Resp: 481618

Ion Ratio Lower Upper

106 100

91 200.7 162.4 243.6





#69

o-Xylene

Concen: 55.882 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 22105

Ion Ratio Lower Upper

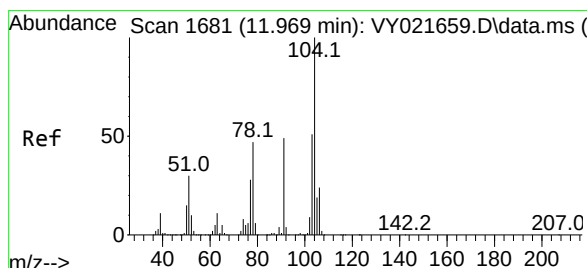
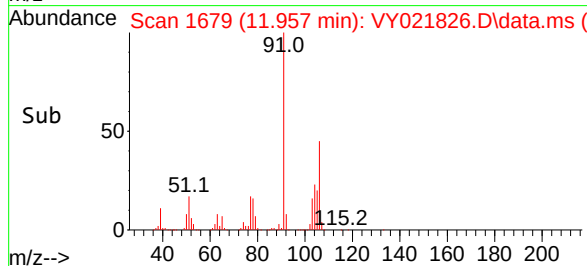
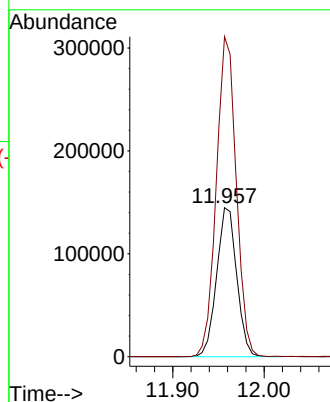
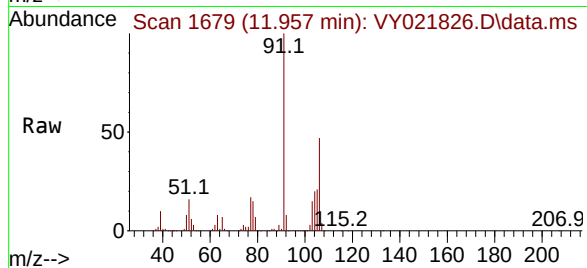
106 100

91 213.6 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#70

Styrene

Concen: 56.350 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

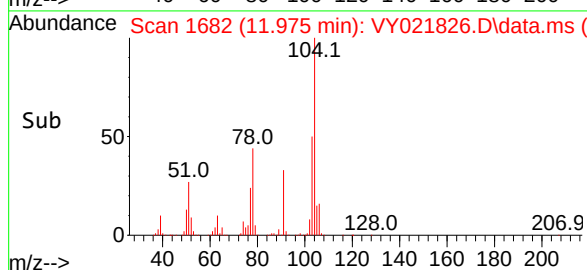
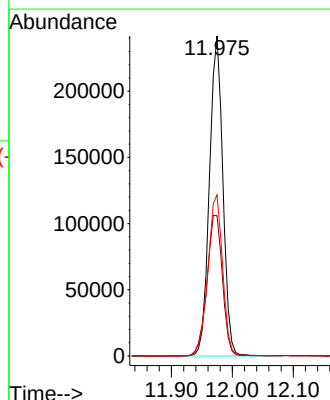
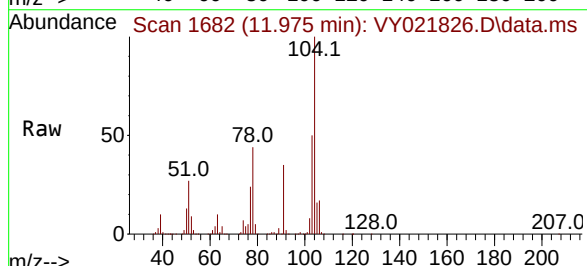
Tgt Ion:104 Resp: 371659

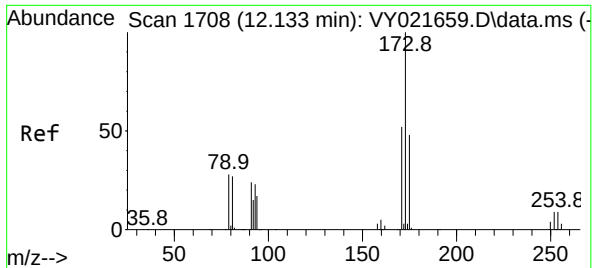
Ion Ratio Lower Upper

104 100

78 50.6 40.8 61.2

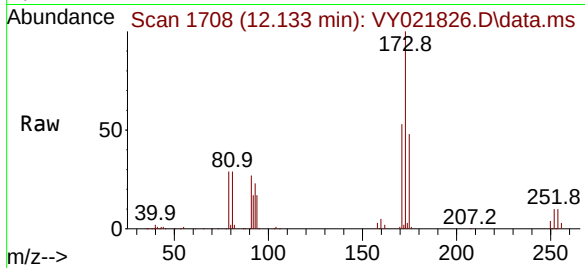
103 55.1 44.2 66.2





#71
Bromoform
Concen: 48.974 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

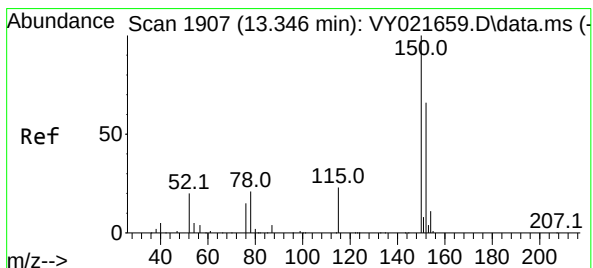
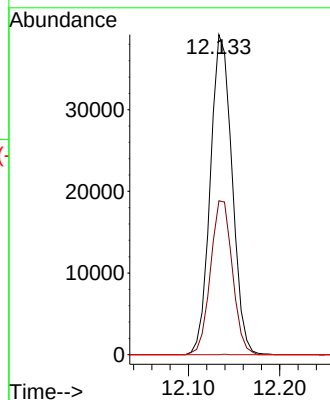
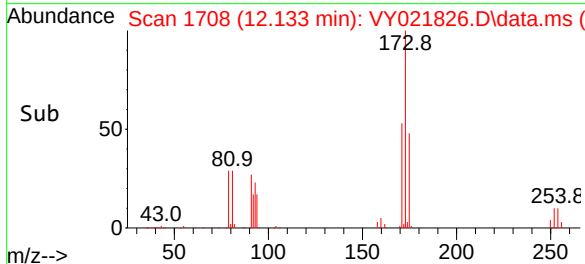
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



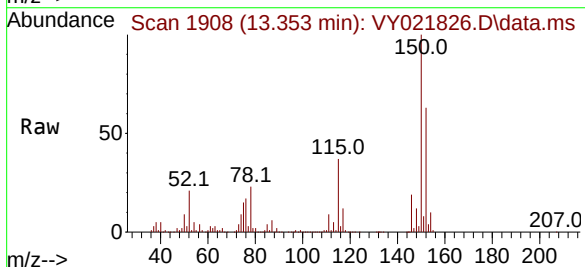
Tgt Ion:173 Resp: 64680
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

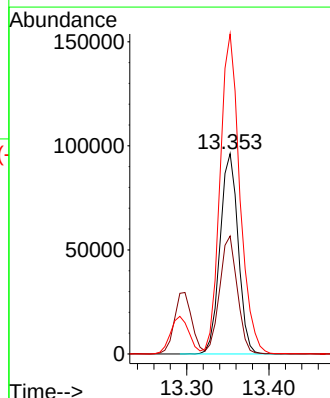
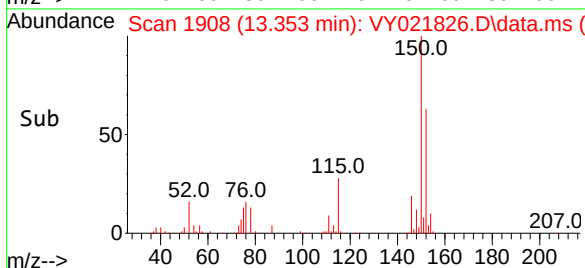
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

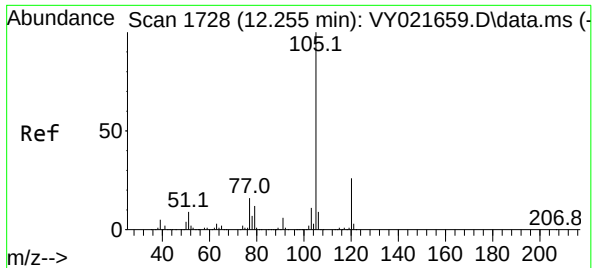


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



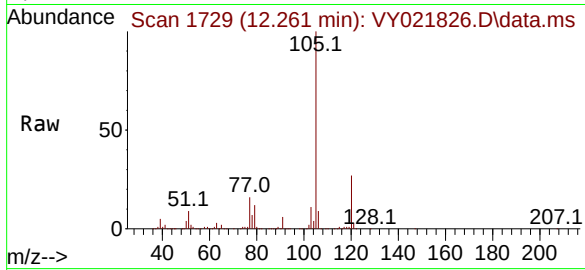
Tgt Ion:152 Resp: 147243
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 174.7 0.0 348.4





#73
Isopropylbenzene
Concen: 53.665 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

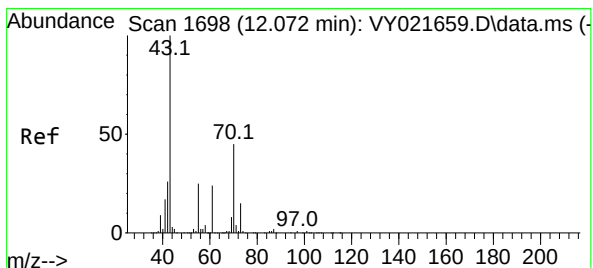
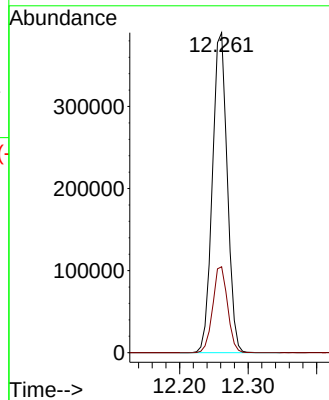
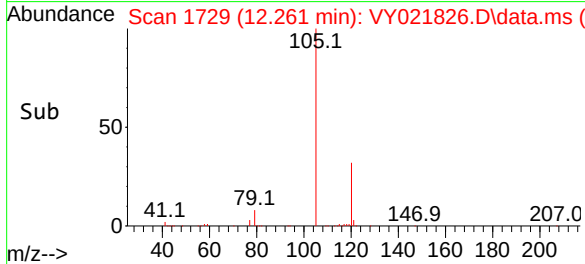
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 105 Resp: 58689
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.5

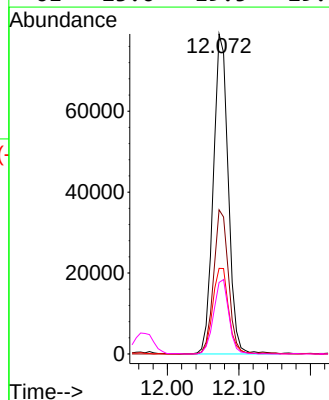
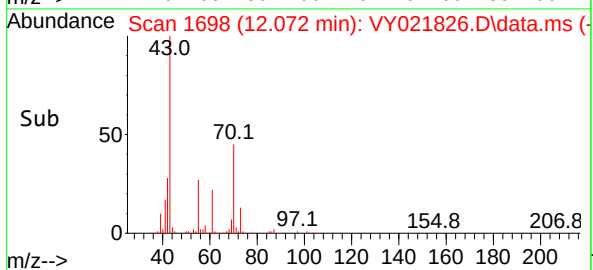
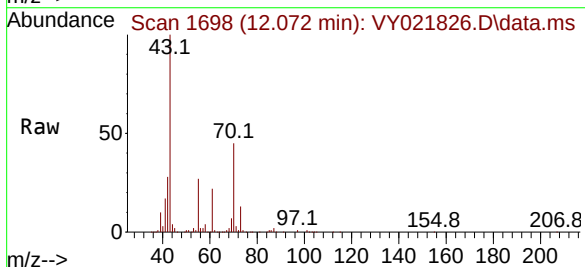
Manual Integrations
APPROVED

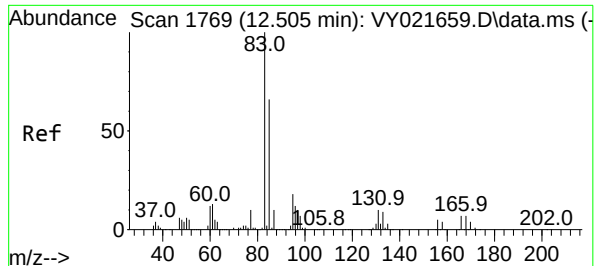
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#74
N-ethyl acetate
Concen: 44.675 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion: 43 Resp: 114664
Ion Ratio Lower Upper
43 100
70 44.6 34.7 52.1
55 28.7 21.2 31.8
61 23.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.317 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 89104

Ion Ratio Lower Upper

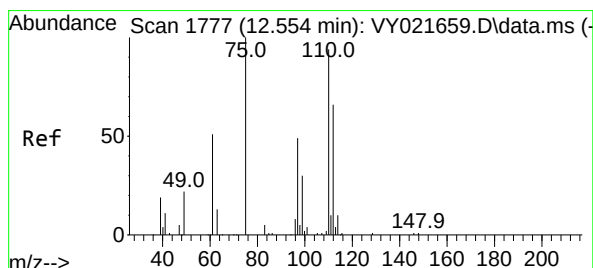
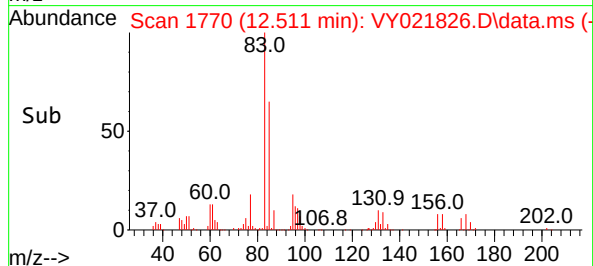
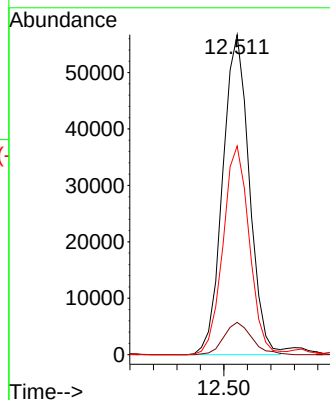
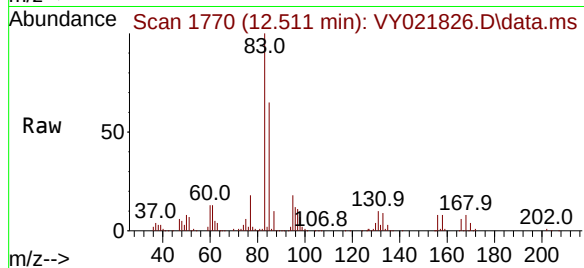
83 100

131 10.6 5.1 15.3

85 64.7 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#76

1,2,3-Trichloropropane

Concen: 42.706 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY021826.D

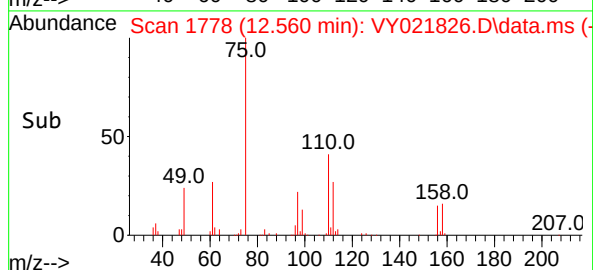
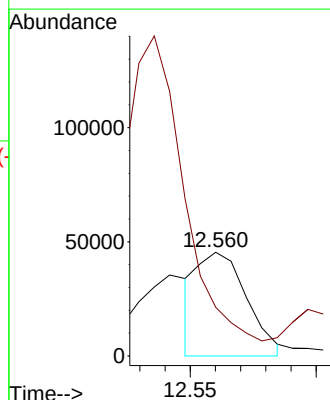
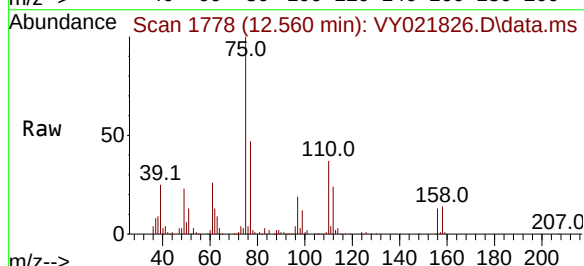
Acq: 10 Apr 2025 09:51

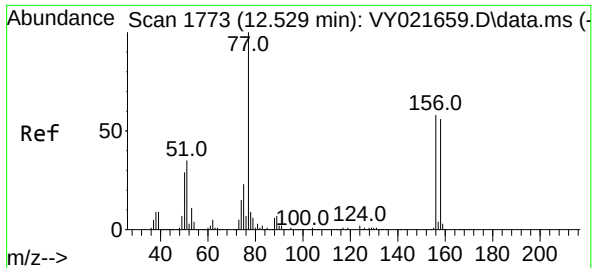
Tgt Ion: 75 Resp: 62332

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





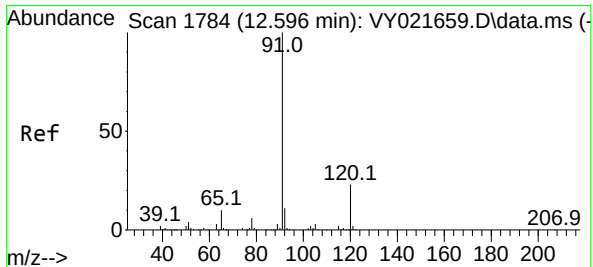
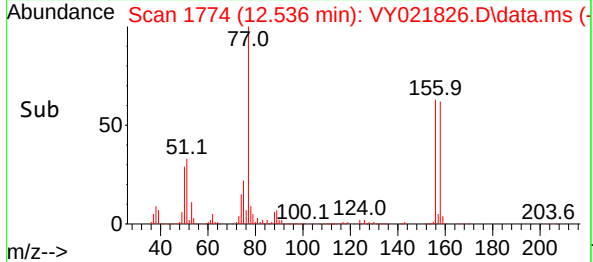
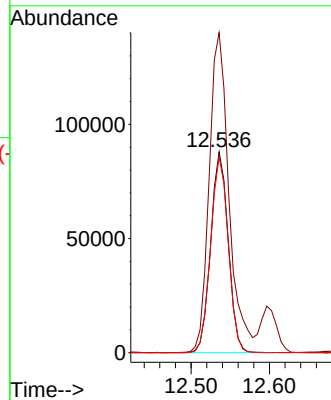
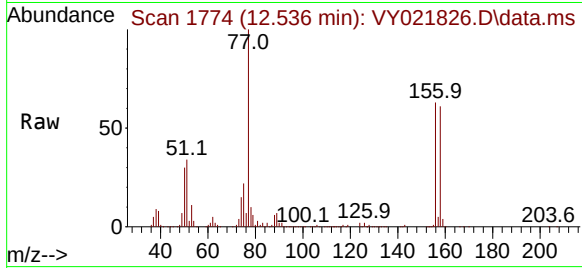
#77
Bromobenzene
Concen: 51.997 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 13653
Ion Ratio Lower Upper
156 100
77 179.5 92.8 278.3
158 98.0 48.5 145.6

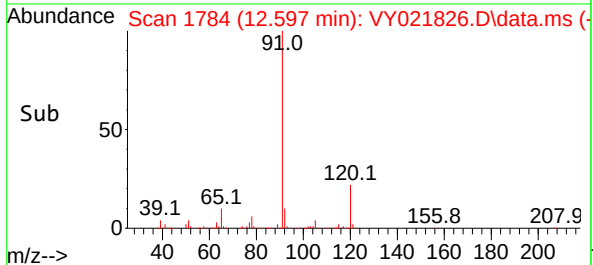
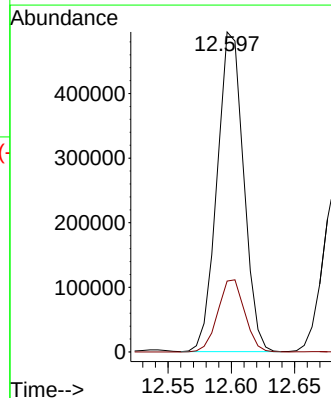
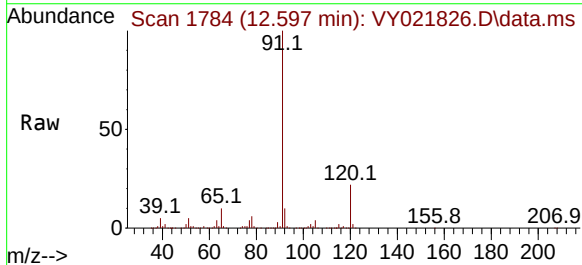
Manual Integrations
APPROVED

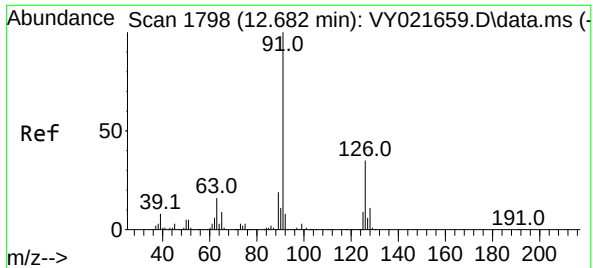
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#78
n-propylbenzene
Concen: 54.847 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion: 91 Resp: 721133
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9





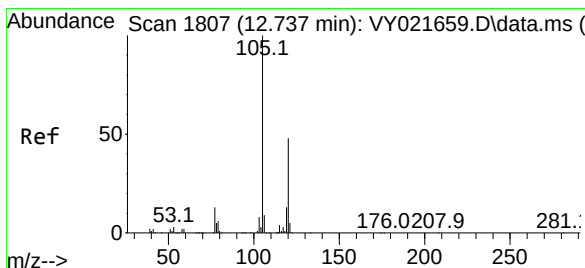
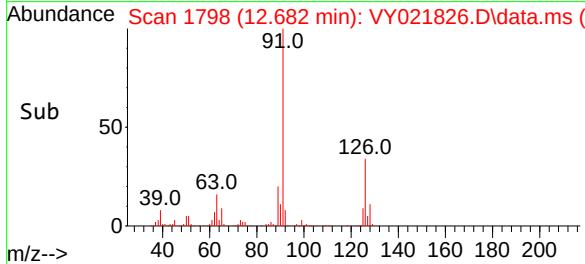
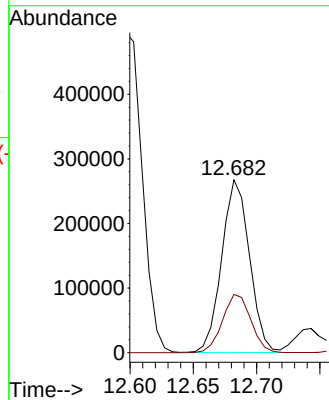
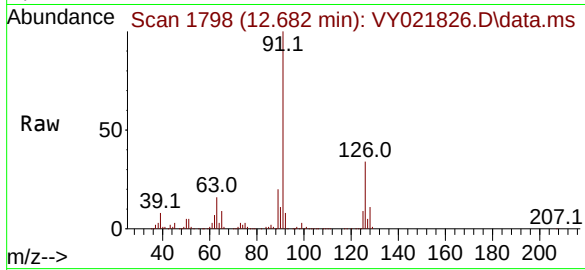
#79
2-Chlorotoluene
Concen: 53.445 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 40814
Ion Ratio Lower Upper
91 100
126 34.4 17.3 52.0

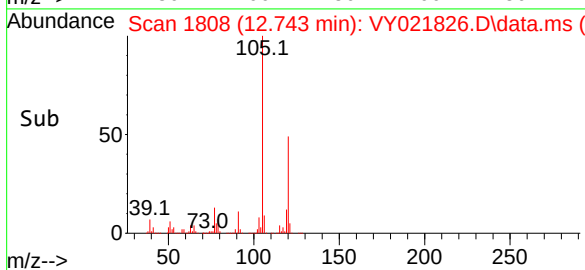
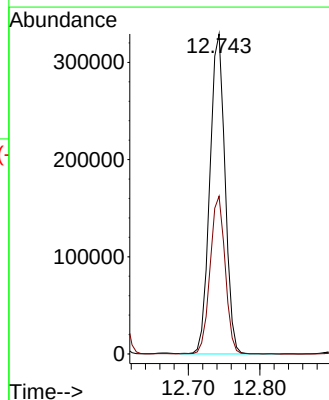
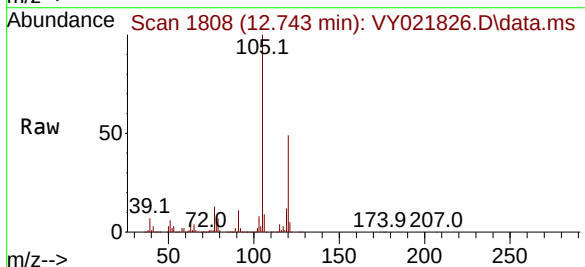
Manual Integrations
APPROVED

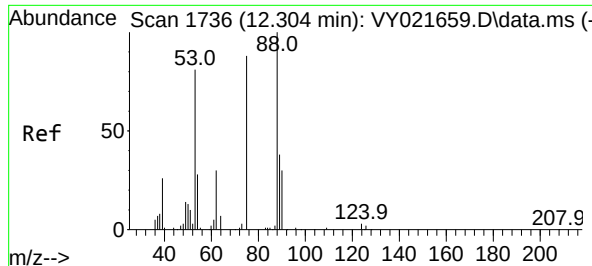
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 54.278 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

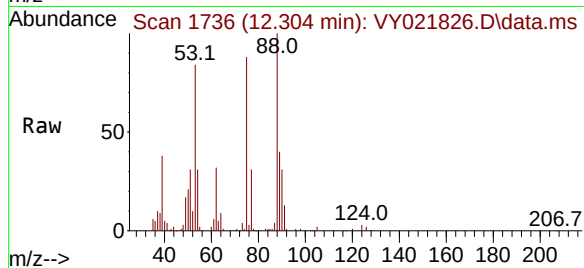
Tgt Ion:105 Resp: 485142
Ion Ratio Lower Upper
105 100
120 49.0 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 42.266 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

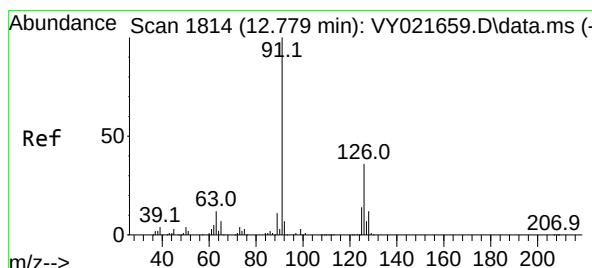
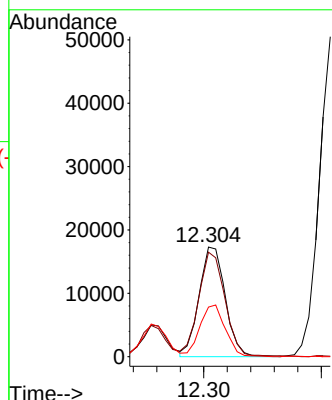
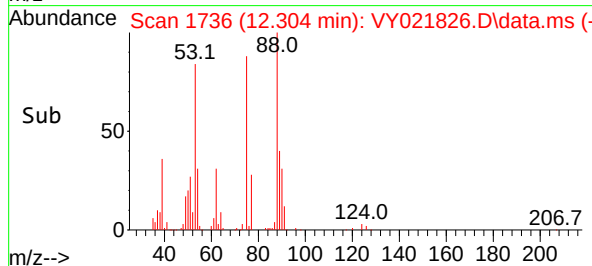
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 2677
Ion Ratio Lower Upper
75 100
53 96.3 76.1 114.1
89 46.0 36.2 54.4

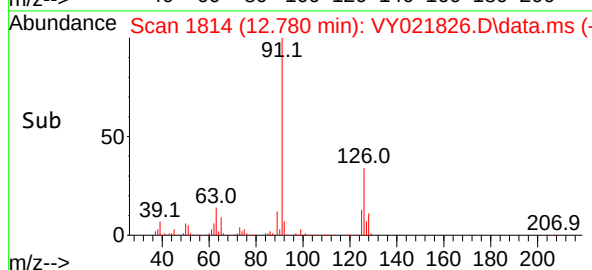
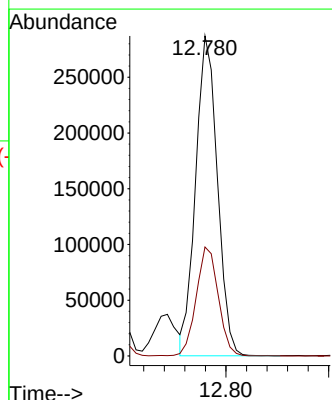
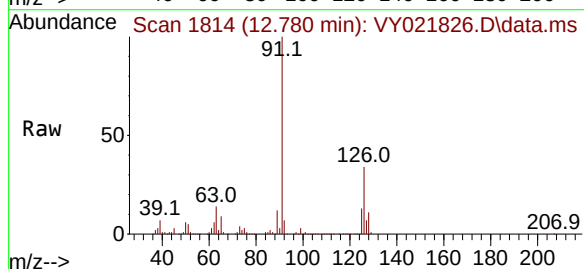
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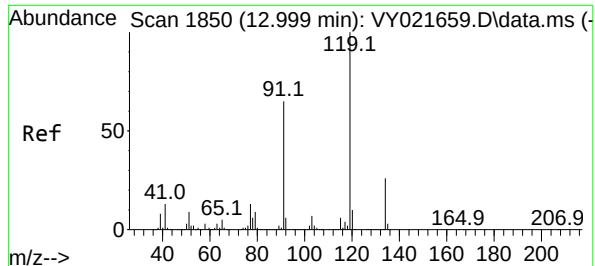
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#82
4-Chlorotoluene
Concen: 53.027 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion: 91 Resp: 422172
Ion Ratio Lower Upper
91 100
126 34.6 17.0 50.9





#83

tert-Butylbenzene

Concen: 54.672 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 43525

Ion Ratio Lower Upper

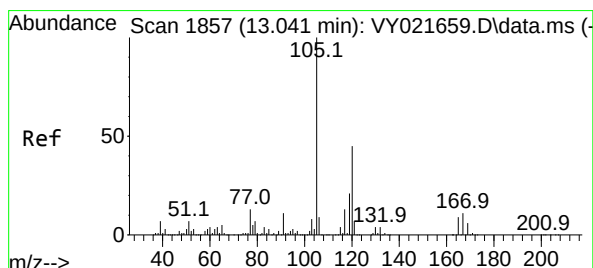
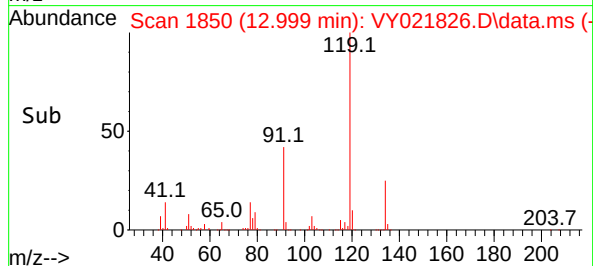
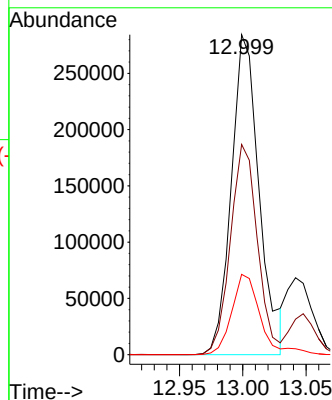
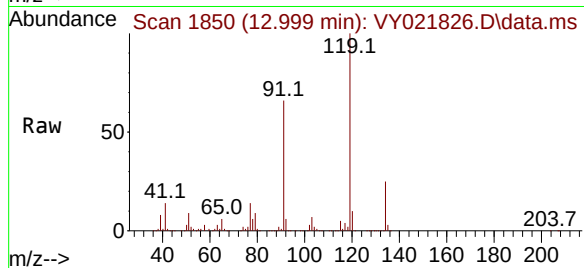
119 100

91 64.1 32.6 97.7

134 25.9 13.2 39.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#84

1,2,4-Trimethylbenzene

Concen: 55.258 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY021826.D

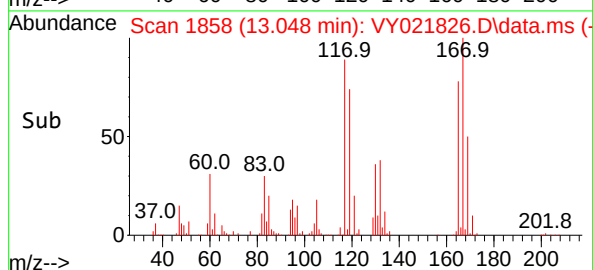
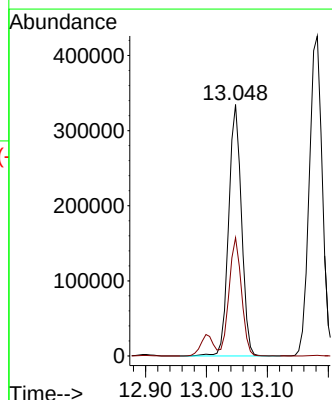
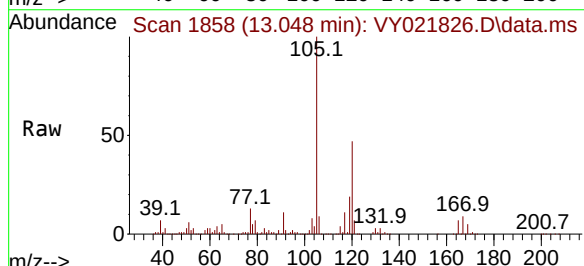
Acq: 10 Apr 2025 09:51

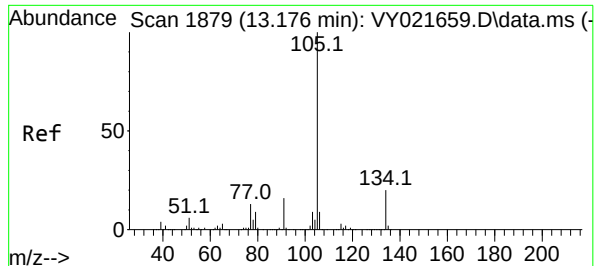
Tgt Ion:105 Resp: 488158

Ion Ratio Lower Upper

105 100

120 45.9 22.7 68.1





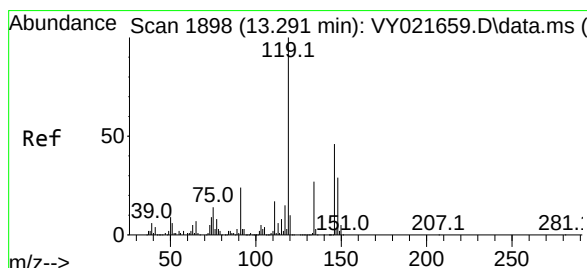
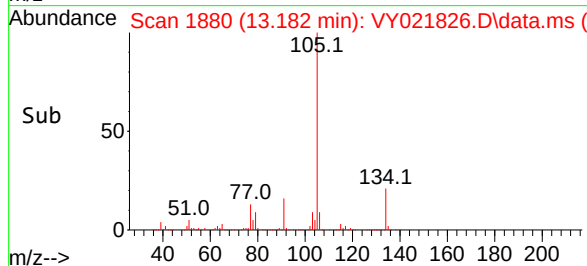
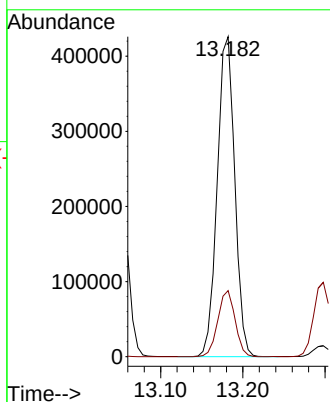
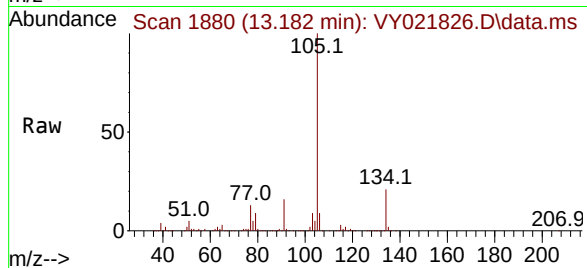
#85
 sec-Butylbenzene
 Concen: 54.179 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY021826.D
 Acq: 10 Apr 2025 09:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 63034
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1

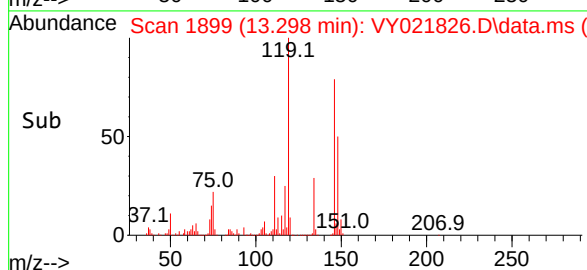
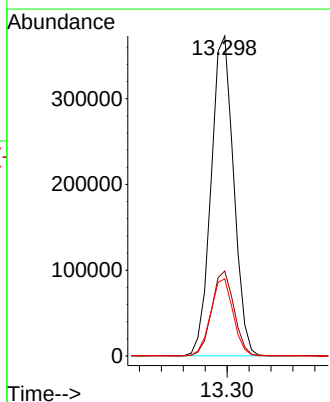
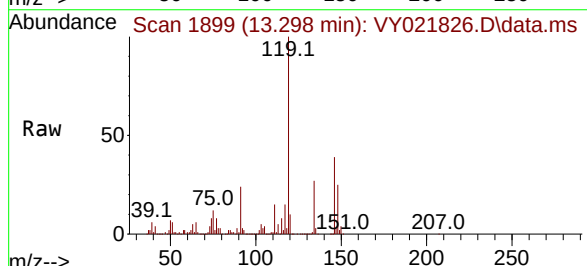
Manual Integrations
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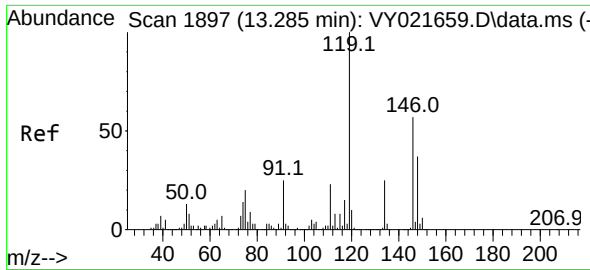
Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#86
 p-Isopropyltoluene
 Concen: 55.390 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY021826.D
 Acq: 10 Apr 2025 09:51

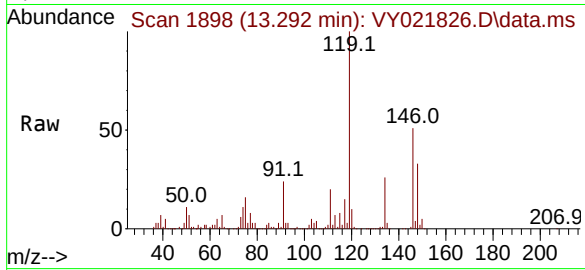
Tgt Ion:119 Resp: 532622
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 24.0 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 53.165 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

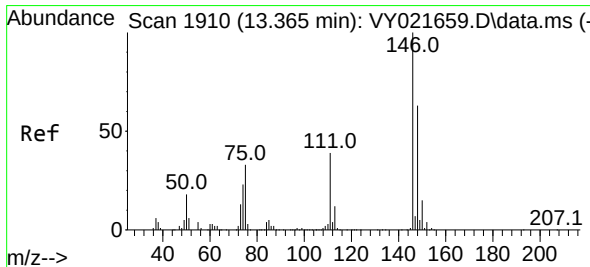
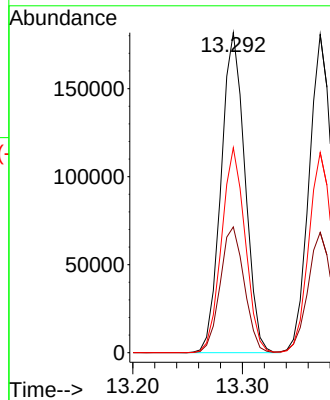
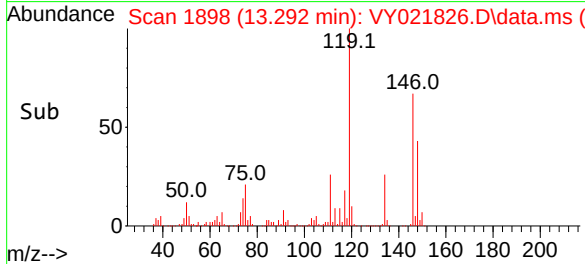
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



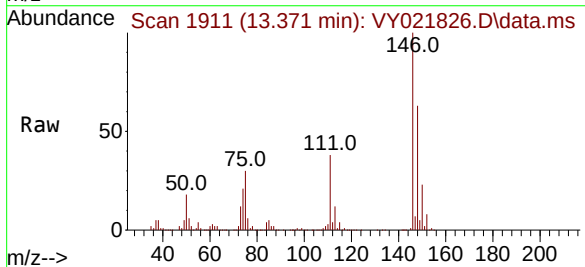
Tgt Ion:146 Resp: 27504
Ion Ratio Lower Upper
146 100
111 39.6 20.0 60.0
148 63.4 31.8 95.4

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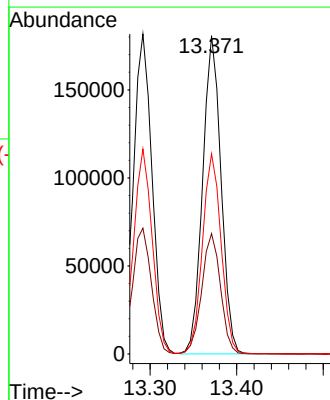
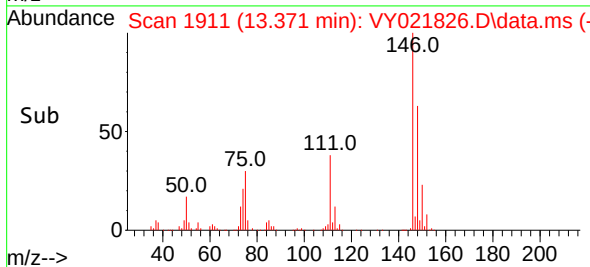
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

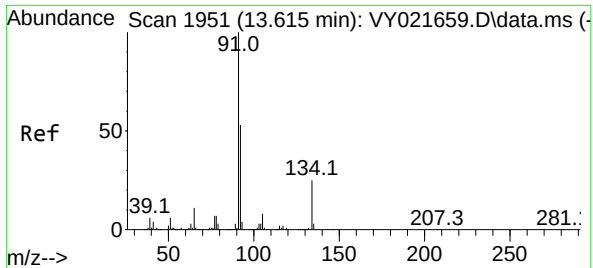


#88
1,4-Dichlorobenzene
Concen: 52.190 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



Tgt Ion:146 Resp: 266758
Ion Ratio Lower Upper
146 100
111 38.6 19.1 57.1
148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 55.040 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 48947

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

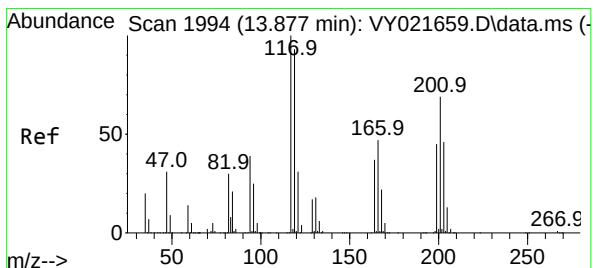
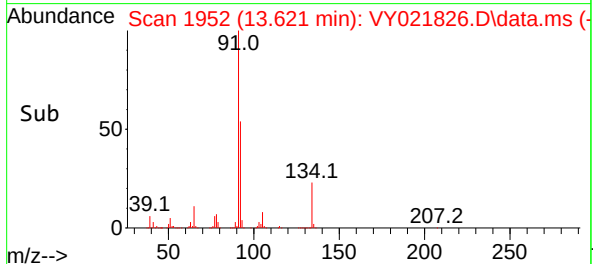
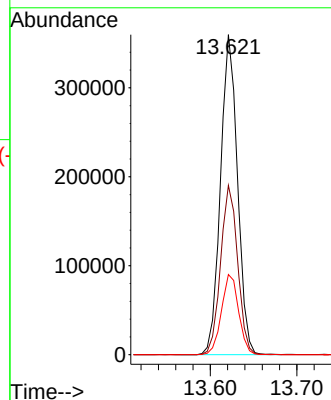
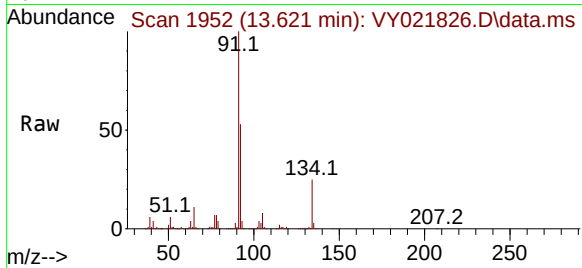
134 25.4 12.8 38.4

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Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#90

Hexachloroethane

Concen: 50.848 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021826.D

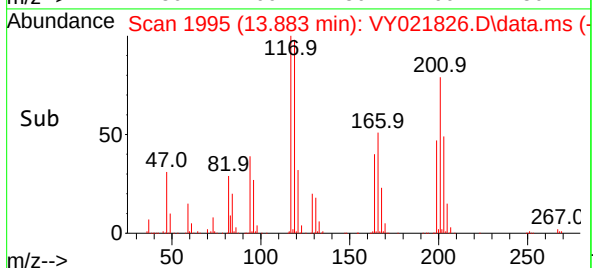
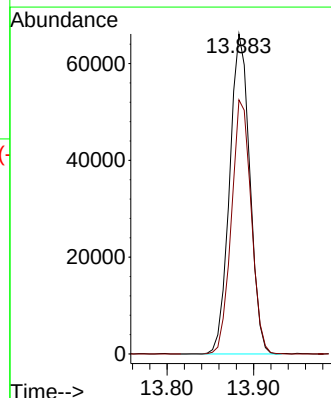
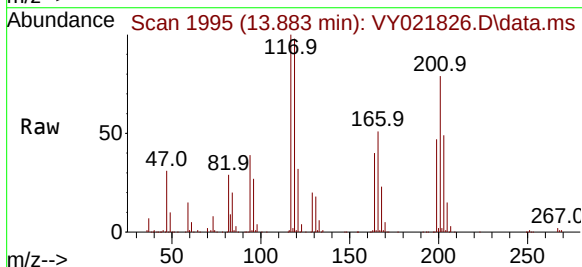
Acq: 10 Apr 2025 09:51

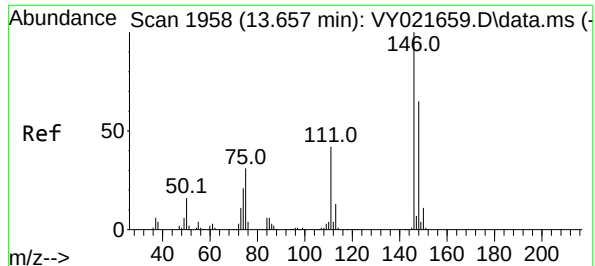
Tgt Ion:117 Resp: 107148

Ion Ratio Lower Upper

117 100

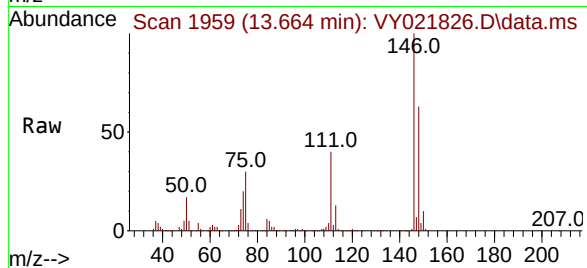
201 77.7 37.4 112.1





#91
1,2-Dichlorobenzene
Concen: 52.481 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

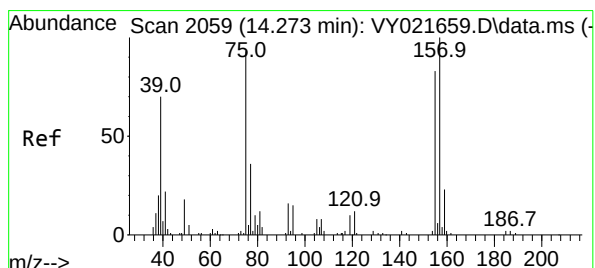
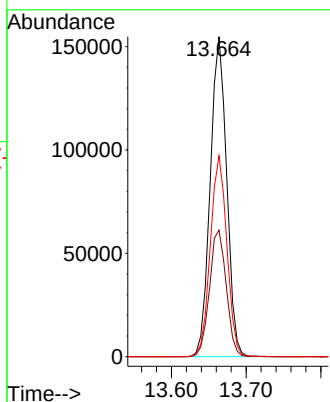
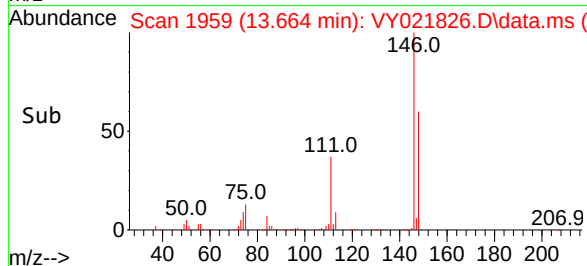
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



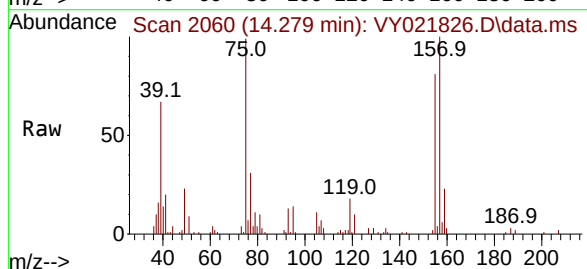
Tgt Ion:146 Resp: 23634
Ion Ratio Lower Upper
146 100
111 40.3 20.7 62.1
148 63.1 32.3 96.9

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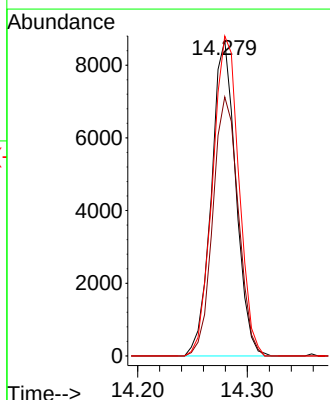
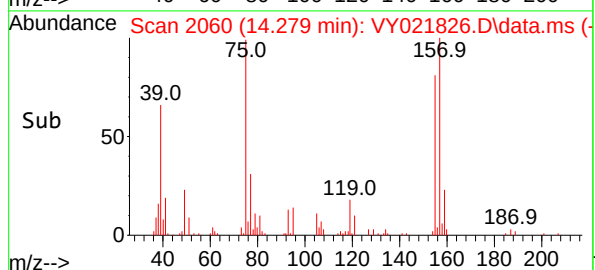
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

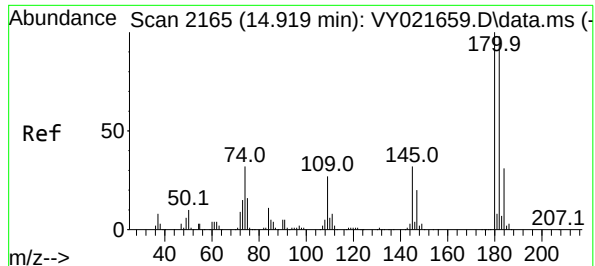


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.118 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51



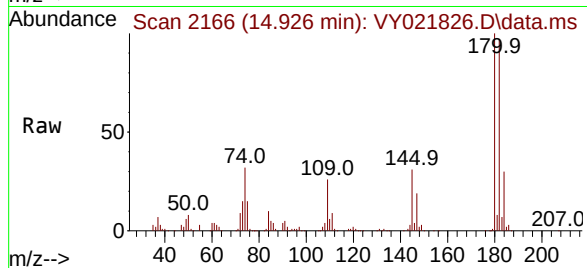
Tgt Ion: 75 Resp: 13445
Ion Ratio Lower Upper
75 100
155 85.3 43.0 128.8
157 108.9 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 55.039 ug/l
RT: 14.926 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

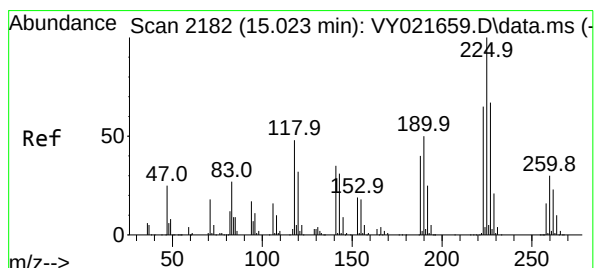
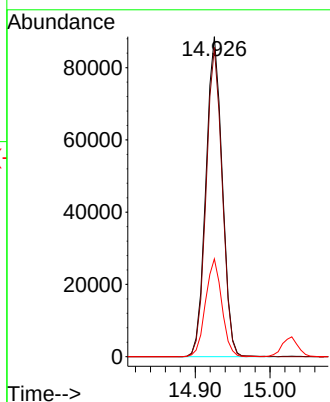
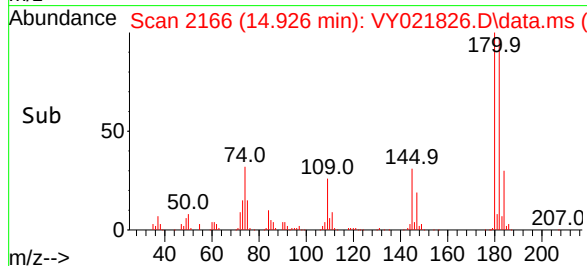
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:180 Resp: 134414
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 30.4 14.9 44.9

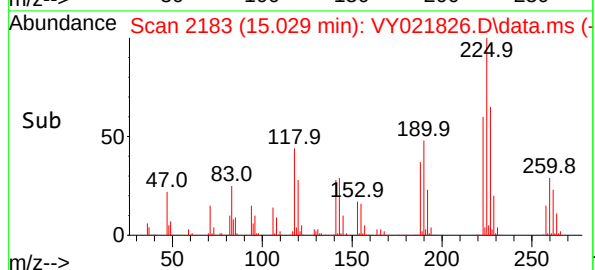
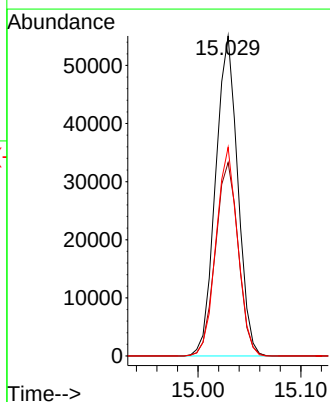
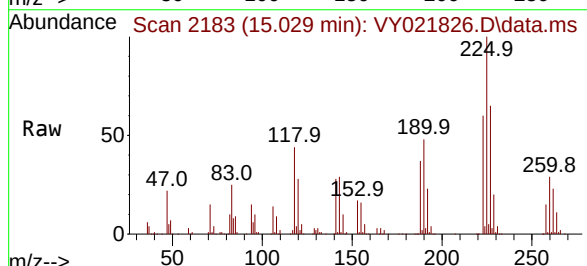
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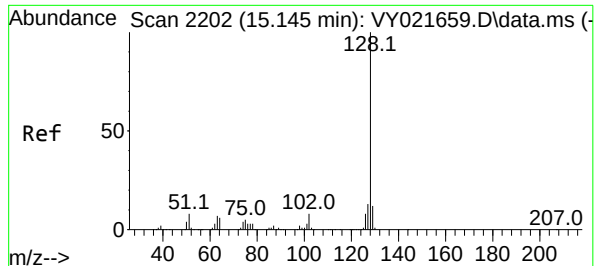
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#94
Hexachlorobutadiene
Concen: 53.987 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021826.D
Acq: 10 Apr 2025 09:51

Tgt Ion:225 Resp: 82343
Ion Ratio Lower Upper
225 100
223 62.2 31.9 95.7
227 63.5 32.4 97.0





#95

Naphthalene

Concen: 52.813 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 21378

Ion Ratio Lower Upper

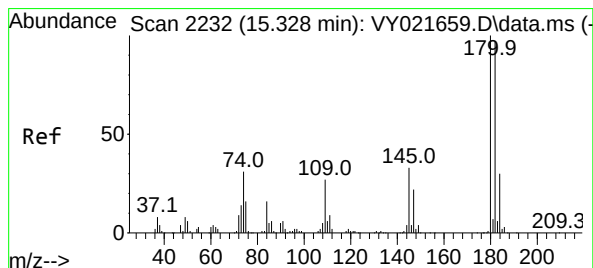
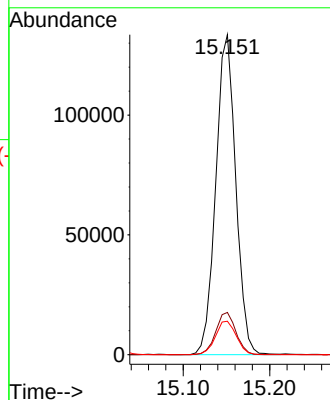
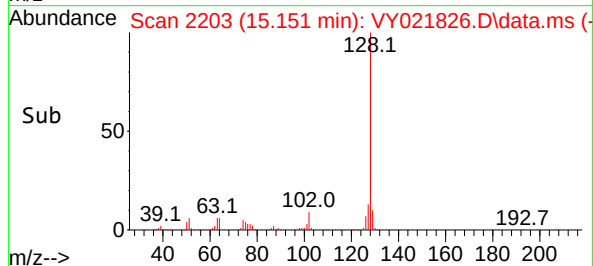
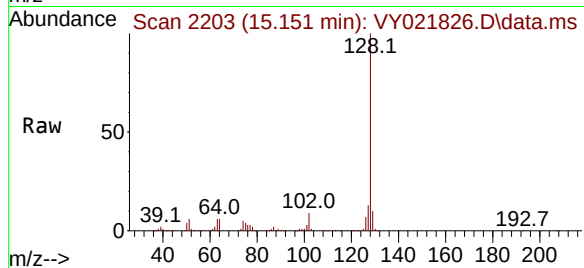
128 100

127 13.5 10.8 16.2

129 11.0 8.8 13.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#96

1,2,3-Trichlorobenzene

Concen: 54.910 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021826.D

Acq: 10 Apr 2025 09:51

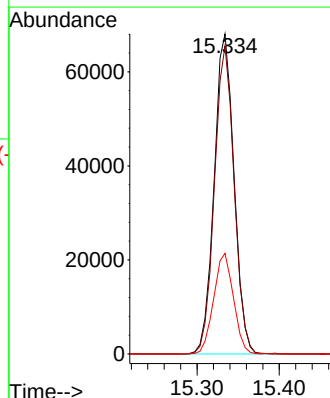
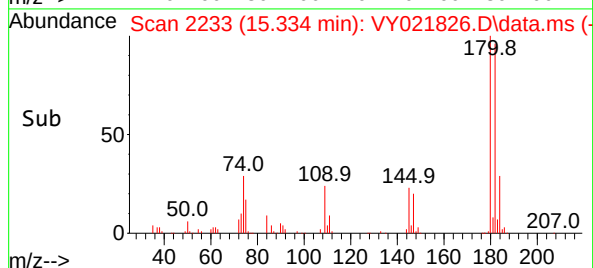
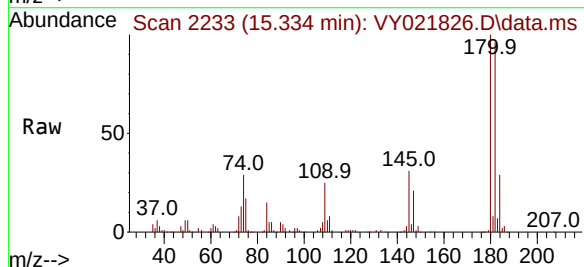
Tgt Ion:180 Resp: 114353

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.5

145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021826.D
 Acq On : 10 Apr 2025 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 11 01:48:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	87	0.00
2 T	Dichlorodifluoromethane	0.518	0.473	8.7	82	0.00
3 P	Chloromethane	0.729	0.722	1.0	91	0.00
4 C	Vinyl Chloride	0.824	0.777	5.7#	85	0.00
5 T	Bromomethane	0.562	0.510	9.3	87	0.01
6 T	Chloroethane	0.539	0.515	4.5	88	0.00
7 T	Trichlorofluoromethane	1.056	0.995	5.8	86	0.00
8 T	Diethyl Ether	0.287	0.261	9.1	83	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.548	1.6	89	0.00
10 T	Methyl Iodide	0.611	0.742	-21.4	99	0.00
11 T	Tert butyl alcohol	0.035	0.025	28.6#	65	0.02
12 CM	1,1-Dichloroethene	0.524	0.521	0.6#	89	0.01
13 T	Acrolein	0.064	0.017	73.4#	23#	0.01
14 T	Allyl chloride	0.836	0.834	0.2	87	0.00
15 T	Acrylonitrile	0.120	0.108	10.0	78	0.00
16 T	Acetone	0.111	0.105	5.4	86	0.00
17 T	Carbon Disulfide	1.727	1.642	4.9	85	0.00
18 T	Methyl Acetate	0.275	0.298	-8.4	98	0.00
19 T	Methyl tert-butyl Ether	1.306	1.226	6.1	81	0.00
20 T	Methylene Chloride	0.626	0.577	7.8	90	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.585	-1.4	90	0.00
22 T	Diisopropyl ether	1.754	1.811	-3.2	88	0.00
23 T	Vinyl Acetate	1.026	0.938	8.6	77	0.00
24 P	1,1-Dichloroethane	1.049	1.074	-2.4	90	0.01
25 T	2-Butanone	0.158	0.140	11.4	77	0.00
26 T	2,2-Dichloropropane	0.933	0.960	-2.9	91	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.671	-3.4	90	0.00
28 T	Bromochloromethane	0.442	0.448	-1.4	92	0.00
29 T	Tetrahydrofuran	0.102	0.087	14.7	72	0.00
30 C	Chloroform	1.091	1.115	-2.2#	90	0.00
31 T	Cyclohexane	0.956	0.885	7.4	84	0.00
32 T	1,1,1-Trichloroethane	0.986	1.001	-1.5	91	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.533	1.7	85	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35 S	Dibromofluoromethane	0.324	0.356	-9.9	90	0.00
36 T	1,1-Dichloropropene	0.494	0.522	-5.7	89	0.00
37 T	Ethyl Acetate	0.233	0.199	14.6	72	0.00
38 T	Carbon Tetrachloride	0.566	0.596	-5.3	90	0.00
39 T	Methylcyclohexane	0.590	0.615	-4.2	85	0.00
40 TM	Benzene	1.479	1.589	-7.4	90	0.00
41 T	Methacrylonitrile	0.124	0.108	12.9	67	0.00
42 TM	1,2-Dichloroethane	0.417	0.422	-1.2	86	0.00
43 T	Isopropyl Acetate	0.442	0.393	11.1	74	0.00
44 TM	Trichloroethene	0.377	0.407	-8.0	93	0.00
45 C	1,2-Dichloropropane	0.350	0.377	-7.7#	91	0.00
46 T	Dibromomethane	0.202	0.204	-1.0	87	0.00
47 T	Bromodichloromethane	0.523	0.551	-5.4	89	0.00
48 T	Methyl methacrylate	0.203	0.190	6.4	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021826.D
 Acq On : 10 Apr 2025 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 11 01:48:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 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	0.002	0.002	0.0	74	0.01
50 S	Toluene-d8	1.234	1.384	-12.2	90	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.211	8.3	75	0.00
52 CM	Toluene	0.923	1.022	-10.7#	92	0.00
53 T	t-1,3-Dichloropropene	0.465	0.471	-1.3	83	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.564	-2.9	85	0.00
55 T	1,1,2-Trichloroethane	0.260	0.265	-1.9	87	0.00
56 T	Ethyl methacrylate	0.332	0.334	-0.6	78	0.00
57 T	1,3-Dichloropropane	0.449	0.459	-2.2	85	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.166	-2.5	79	0.00
59 T	2-Hexanone	0.153	0.145	5.2	76	0.00
60 T	Dibromochloromethane	0.355	0.370	-4.2	87	0.00
61 T	1,2-Dibromoethane	0.244	0.244	0.0	82	0.00
62 S	4-Bromofluorobenzene	0.417	0.462	-10.8	90	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.455	0.482	-5.9	93	0.00
65 PM	Chlorobenzene	1.146	1.216	-6.1	91	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.433	-6.4	91	0.00
67 C	Ethyl Benzene	1.965	2.166	-10.2#	91	0.00
68 T	m/p-Xylenes	0.753	0.846	-12.4	93	0.00
69 T	o-Xylene	0.695	0.776	-11.7	91	0.00
70 T	Styrene	1.158	1.305	-12.7	91	0.00
71 P	Bromoform	0.232	0.227	2.2	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73 T	Isopropylbenzene	3.714	3.986	-7.3	91	0.00
74 T	N-amyl acetate	0.872	0.779	10.7	74	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.605	9.4	81	0.00
76 T	1,2,3-Trichloropropane	0.496	0.423	14.7	75	0.00
77 T	Bromobenzene	0.892	0.927	-3.9	91	0.00
78 T	n-propylbenzene	4.465	4.898	-9.7	93	0.00
79 T	2-Chlorotoluene	2.593	2.772	-6.9	92	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.295	-8.6	92	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.182	15.3	72	0.00
82 T	4-Chlorotoluene	2.704	2.867	-6.0	91	0.00
83 T	tert-Butylbenzene	2.703	2.956	-9.4	93	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.315	-10.5	93	0.00
85 T	sec-Butylbenzene	3.951	4.281	-8.4	92	0.00
86 T	p-Isopropyltoluene	3.265	3.617	-10.8	92	0.00
87 T	1,3-Dichlorobenzene	1.757	1.868	-6.3	94	0.00
88 T	1,4-Dichlorobenzene	1.736	1.812	-4.4	91	0.00
89 T	n-Butylbenzene	3.020	3.324	-10.1	92	0.00
90 T	Hexachloroethane	0.716	0.728	-1.7	90	0.00
91 T	1,2-Dichlorobenzene	1.529	1.605	-5.0	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.091	11.7	79	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.913	-10.1	91	0.00
94 T	Hexachlorobutadiene	0.518	0.559	-7.9	93	0.00
95 T	Naphthalene	1.375	1.452	-5.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 01:48:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.777	-9.9	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	50.000	45.613	8.8	82	0.00
3 P	Chloromethane	50.000	49.510	1.0	91	0.00
4 C	Vinyl Chloride	50.000	47.139	5.7#	85	0.00
5 T	Bromomethane	50.000	45.332	9.3	87	0.01
6 T	Chloroethane	50.000	47.715	4.6	88	0.00
7 T	Trichlorofluoromethane	50.000	47.115	5.8	86	0.00
8 T	Diethyl Ether	50.000	45.523	9.0	83	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.248	1.5	89	0.00
10 T	Methyl Iodide	50.000	60.777	-21.6	99	0.00
11 T	Tert butyl alcohol	250.000	178.541	28.6#	65	0.02
12 CM	1,1-Dichloroethene	50.000	49.718	0.6#	89	0.01
13 T	Acrolein	250.000	64.216	74.3#	23	0.01
14 T	Allyl chloride	50.000	49.894	0.2	87	0.00
15 T	Acrylonitrile	250.000	225.807	9.7	78	0.00
16 T	Acetone	250.000	236.349	5.5	86	0.00
17 T	Carbon Disulfide	50.000	47.539	4.9	85	0.00
18 T	Methyl Acetate	50.000	54.271	-8.5	98	0.00
19 T	Methyl tert-butyl Ether	50.000	46.934	6.1	81	0.00
20 T	Methylene Chloride	50.000	53.476	-7.0	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.695	-1.4	90	0.00
22 T	Diisopropyl ether	50.000	51.611	-3.2	88	0.00
23 T	Vinyl Acetate	250.000	228.429	8.6	77	0.00
24 P	1,1-Dichloroethane	50.000	51.179	-2.4	90	0.01
25 T	2-Butanone	250.000	220.606	11.8	77	0.00
26 T	2,2-Dichloropropane	50.000	51.473	-2.9	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.686	-3.4	90	0.00
28 T	Bromochloromethane	50.000	50.649	-1.3	92	0.00
29 T	Tetrahydrofuran	250.000	212.656	14.9	72	0.00
30 C	Chloroform	50.000	51.125	-2.3#	90	0.00
31 T	Cyclohexane	50.000	46.287	7.4	84	0.00
32 T	1,1,1-Trichloroethane	50.000	50.770	-1.5	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.206	1.6	85	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35 S	Dibromofluoromethane	50.000	54.881	-9.8	90	0.00
36 T	1,1-Dichloropropene	50.000	52.798	-5.6	89	0.00
37 T	Ethyl Acetate	50.000	42.738	14.5	72	0.00
38 T	Carbon Tetrachloride	50.000	52.675	-5.3	90	0.00
39 T	Methylcyclohexane	50.000	52.136	-4.3	85	0.00
40 TM	Benzene	50.000	53.693	-7.4	90	0.00
41 T	Methacrylonitrile	50.000	43.413	13.2	67	0.00
42 TM	1,2-Dichloroethane	50.000	50.553	-1.1	86	0.00
43 T	Isopropyl Acetate	50.000	44.479	11.0	74	0.00
44 TM	Trichloroethene	50.000	53.929	-7.9	93	0.00
45 C	1,2-Dichloropropane	50.000	53.892	-7.8#	91	0.00
46 T	Dibromomethane	50.000	50.428	-0.9	87	0.00
47 T	Bromodichloromethane	50.000	52.651	-5.3	89	0.00
48 T	Methyl methacrylate	50.000	46.806	6.4	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
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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	895.567	10.4	74	0.01
50 S	Toluene-d8	50.000	56.094	-12.2	90	0.00
51 T	4-Methyl-2-Pentanone	250.000	229.648	8.1	75	0.00
52 CM	Toluene	50.000	55.379	-10.8#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	50.659	-1.3	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.443	-2.9	85	0.00
55 T	1,1,2-Trichloroethane	50.000	50.986	-2.0	87	0.00
56 T	Ethyl methacrylate	50.000	50.340	-0.7	78	0.00
57 T	1,3-Dichloropropane	50.000	51.185	-2.4	85	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	256.900	-2.8	79	0.00
59 T	2-Hexanone	250.000	236.540	5.4	76	0.00
60 T	Dibromochloromethane	50.000	52.111	-4.2	87	0.00
61 T	1,2-Dibromoethane	50.000	50.169	-0.3	82	0.00
62 S	4-Bromofluorobenzene	50.000	55.404	-10.8	90	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	52.948	-5.9	93	0.00
65 PM	Chlorobenzene	50.000	53.067	-6.1	91	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.290	-6.6	91	0.00
67 C	Ethyl Benzene	50.000	55.100	-10.2#	91	0.00
68 T	m/p-Xylenes	100.000	112.386	-12.4	93	0.00
69 T	o-Xylene	50.000	55.882	-11.8	91	0.00
70 T	Styrene	50.000	56.350	-12.7	91	0.00
71 P	Bromoform	50.000	48.974	2.1	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73 T	Isopropylbenzene	50.000	53.665	-7.3	91	0.00
74 T	N-ethyl acetate	50.000	44.675	10.7	74	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.317	9.4	81	0.00
76 T	1,2,3-Trichloropropane	50.000	42.706	14.6	75	0.00
77 T	Bromobenzene	50.000	51.997	-4.0	91	0.00
78 T	n-propylbenzene	50.000	54.847	-9.7	93	0.00
79 T	2-Chlorotoluene	50.000	53.445	-6.9	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.278	-8.6	92	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	42.266	15.5	72	0.00
82 T	4-Chlorotoluene	50.000	53.027	-6.1	91	0.00
83 T	tert-Butylbenzene	50.000	54.672	-9.3	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.258	-10.5	93	0.00
85 T	sec-Butylbenzene	50.000	54.179	-8.4	92	0.00
86 T	p-Isopropyltoluene	50.000	55.390	-10.8	92	0.00
87 T	1,3-Dichlorobenzene	50.000	53.165	-6.3	94	0.00
88 T	1,4-Dichlorobenzene	50.000	52.190	-4.4	91	0.00
89 T	n-Butylbenzene	50.000	55.040	-10.1	92	0.00
90 T	Hexachloroethane	50.000	50.848	-1.7	90	0.00
91 T	1,2-Dichlorobenzene	50.000	52.481	-5.0	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.118	11.8	79	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.039	-10.1	91	0.00
94 T	Hexachlorobutadiene	50.000	53.987	-8.0	93	0.00
95 T	Naphthalene	50.000	52.813	-5.6	84	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.910	-9.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



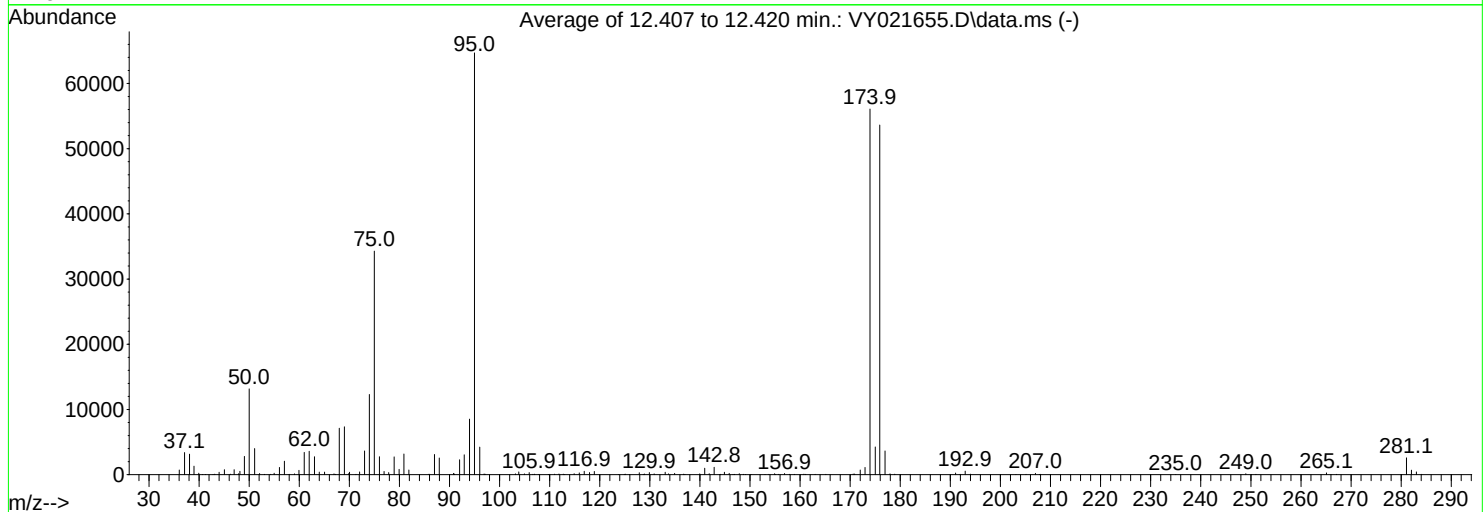
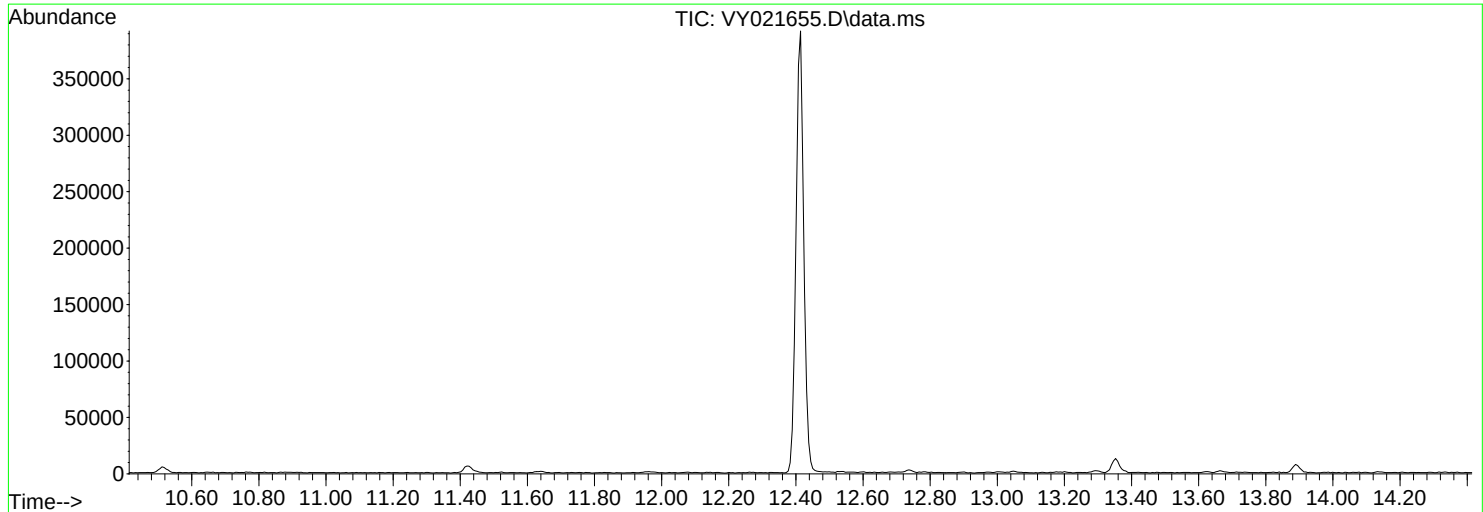
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

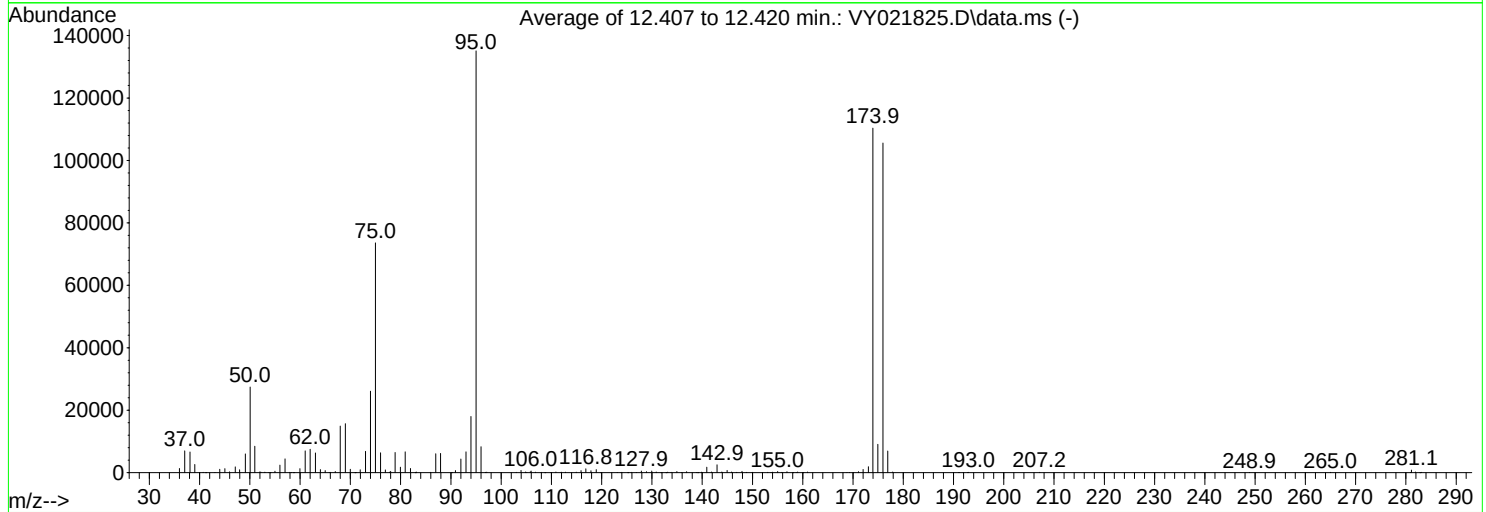
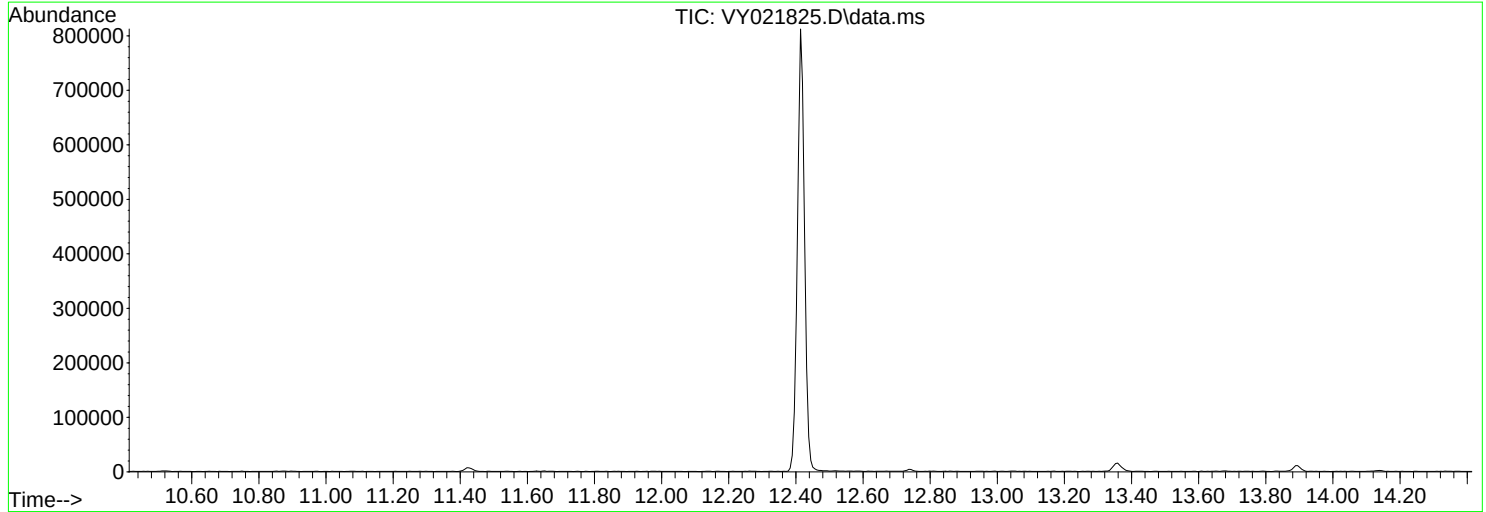
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021825.D
Acq On : 10 Apr 2025 08:34
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.3	27437	PASS
75	95	30	60	54.5	73621	PASS
95	95	100	100	100.0	135104	PASS
96	95	5	9	6.2	8311	PASS
173	174	0.00	2	1.7	1916	PASS
174	95	50	100	81.7	110355	PASS
175	174	5	9	8.2	9093	PASS
176	174	95	101	95.7	105587	PASS
177	176	5	9	6.6	6951	PASS

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBL01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBL01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		70 (63) - 130 (155)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.3		70 (38) - 130 (136)	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.713			
540-36-3	1,4-Difluorobenzene	437000	8.616			
3114-55-4	Chlorobenzene-d5	362000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.352			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0410SBL01		SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

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_Y\Data\VY041025\
 Data File : VY021827.D
 Acq On : 10 Apr 2025 10:28
 Operator : SY/MD
 Sample : VY0410SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBL01

Quant Time: Apr 11 01:49:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	241941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	436661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	131635	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122060	46.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.640	113	141417	49.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.109	98	522401	48.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.408	95	139589	38.297	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.600%

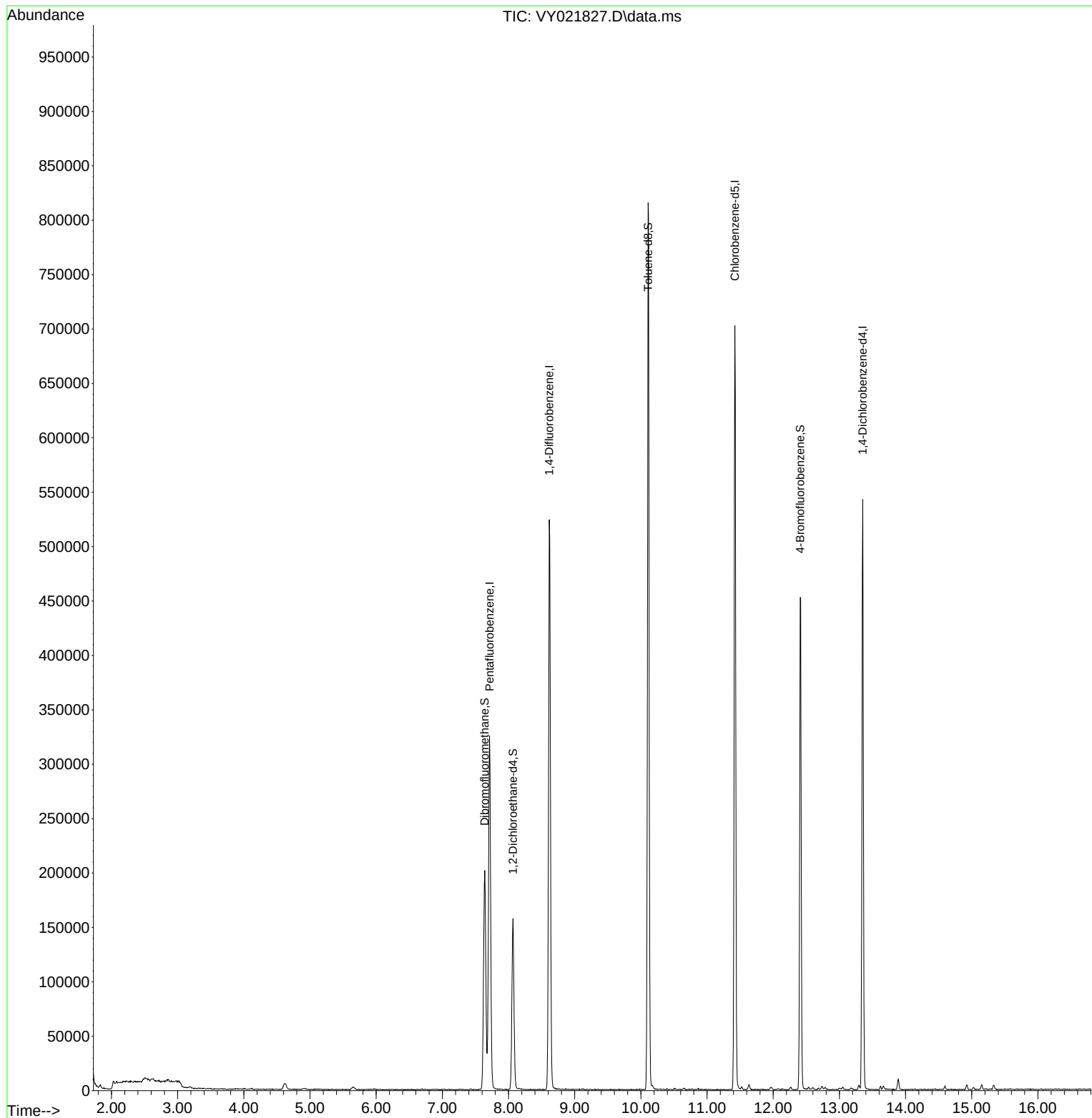
Target Compounds	Qvalue

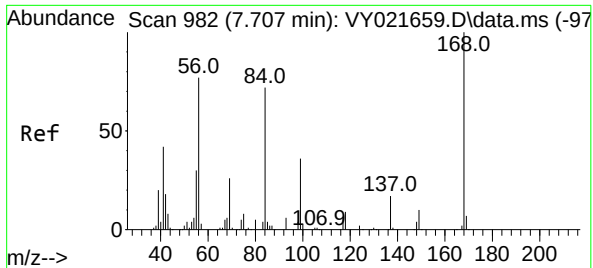
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Time: Apr 11 01:49:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

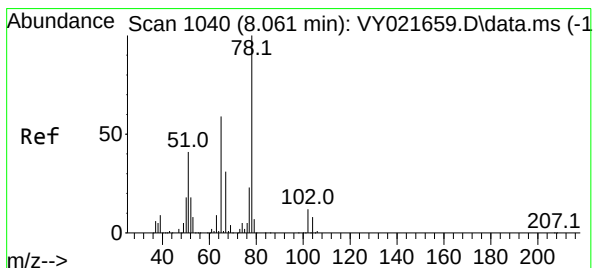
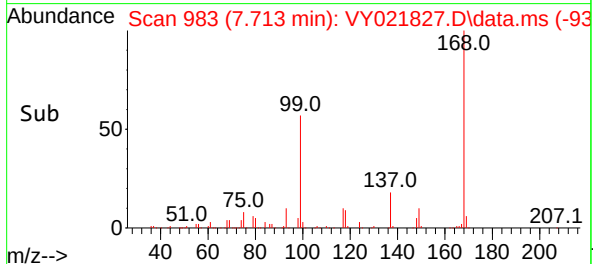
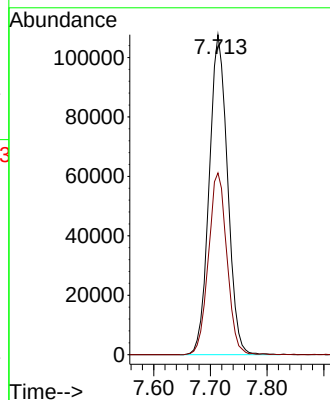
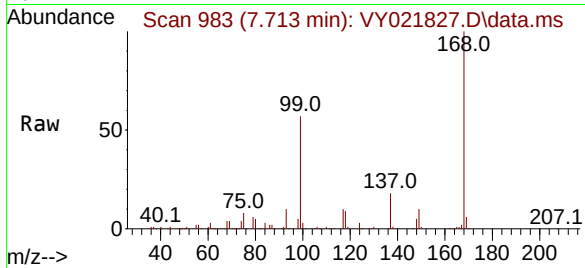




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

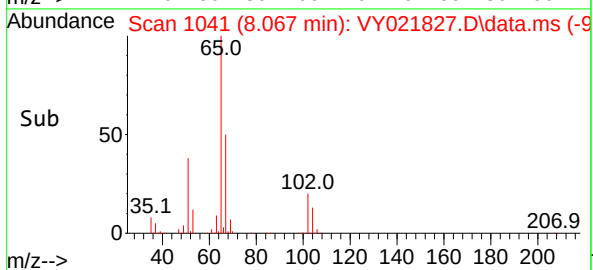
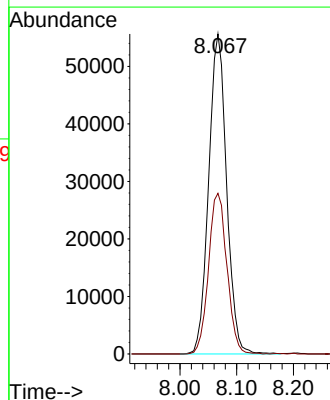
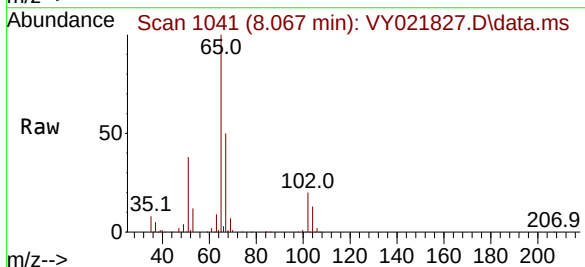
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

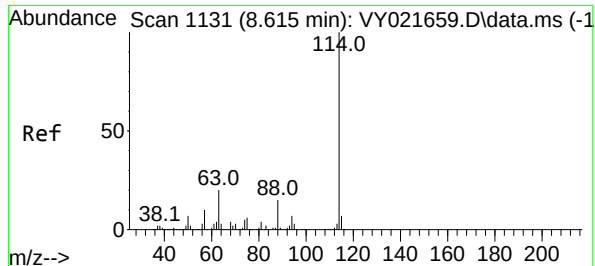
Tgt Ion:168 Resp: 241941
Ion Ratio Lower Upper
168 100
99 56.8 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 46.564 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 65 Resp: 122060
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBL01

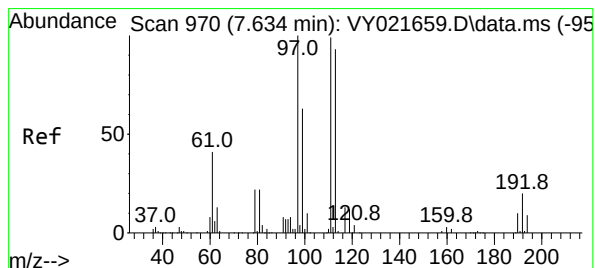
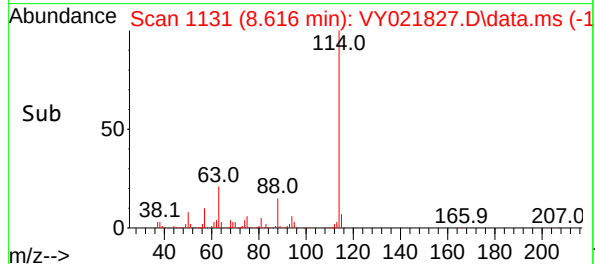
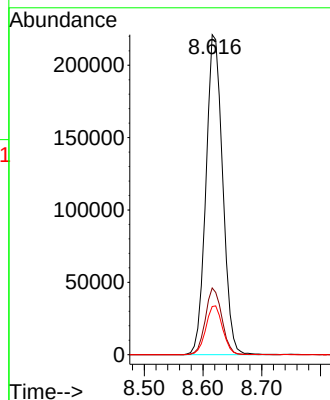
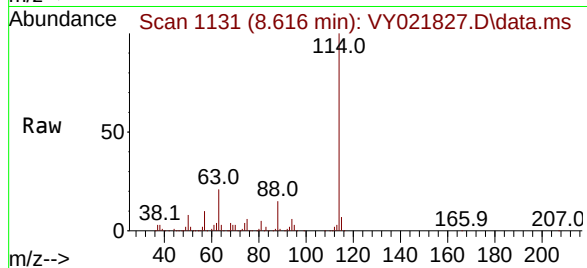
Tgt Ion:114 Resp: 436661

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.926 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

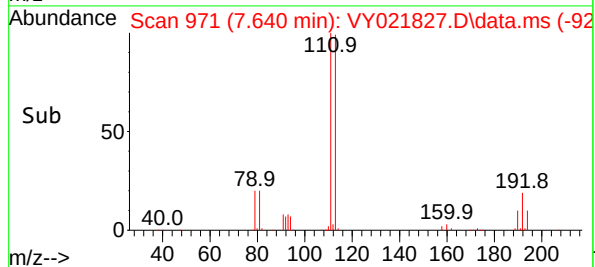
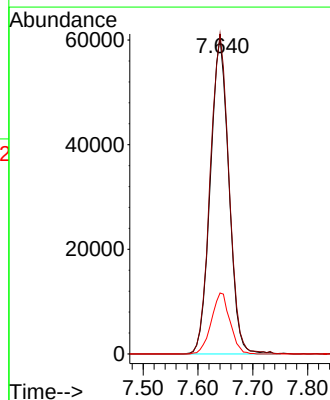
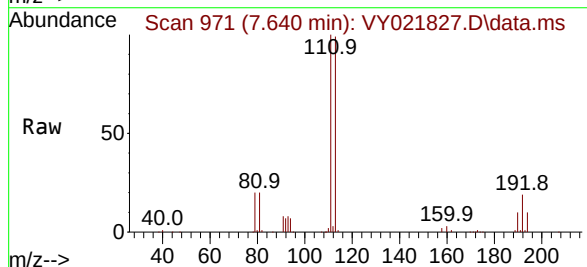
Tgt Ion:113 Resp: 141417

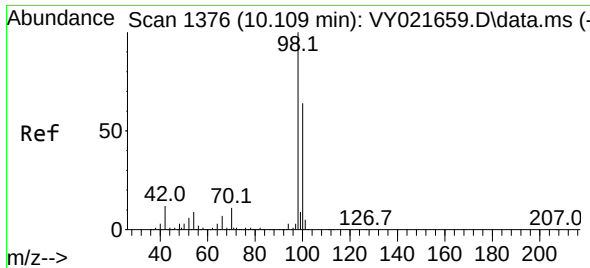
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.4 16.2 24.4

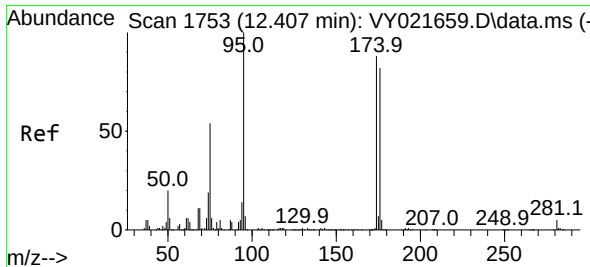
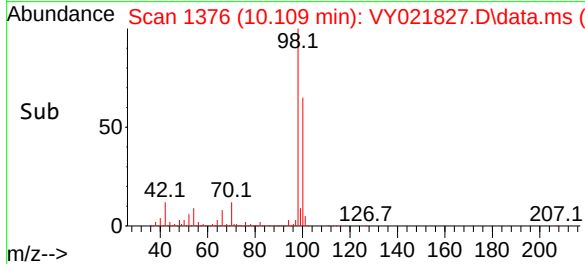
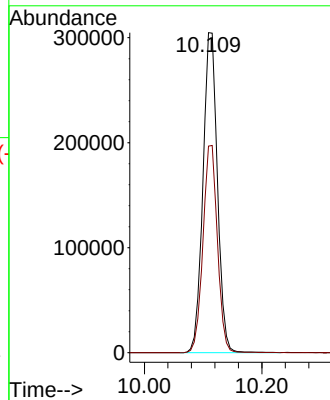
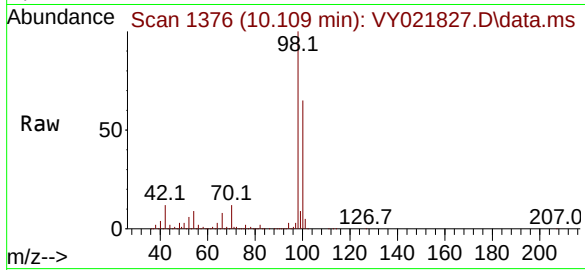




#50
Toluene-d8
Concen: 48.479 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

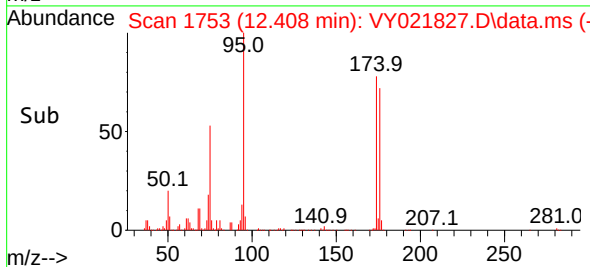
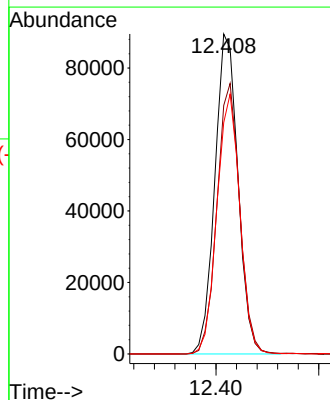
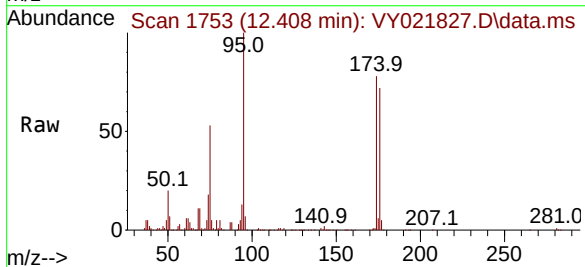
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

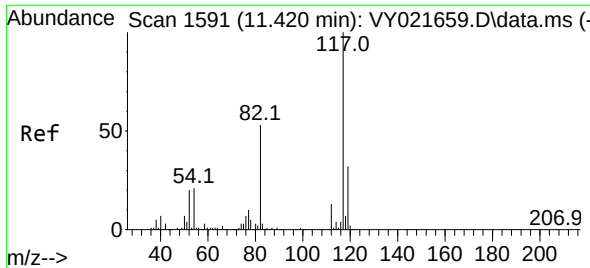
Tgt Ion: 98 Resp: 522401
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.297 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 95 Resp: 139589
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 80.5 0.0 162.0

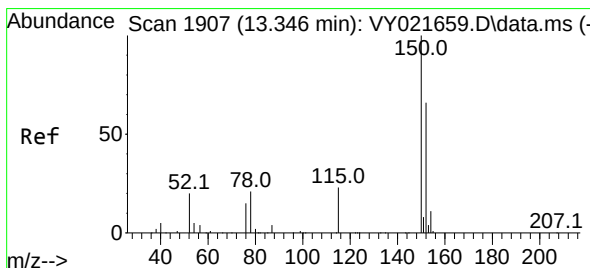
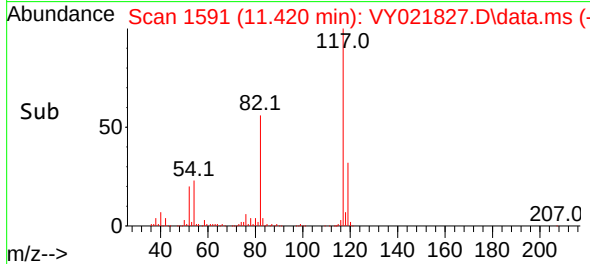
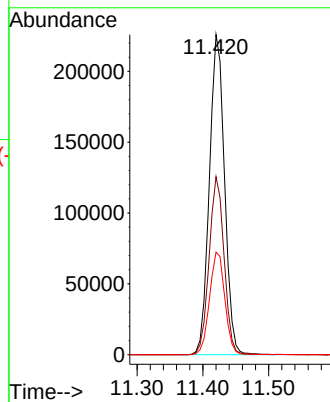
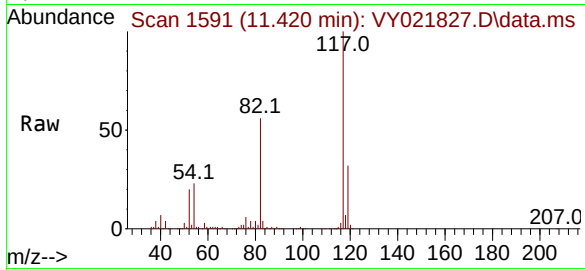




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

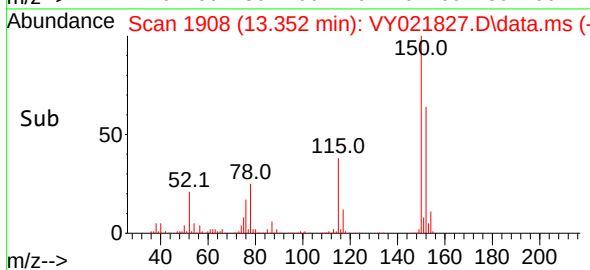
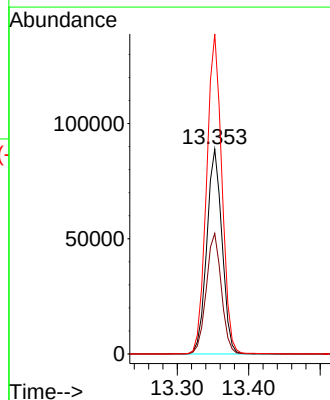
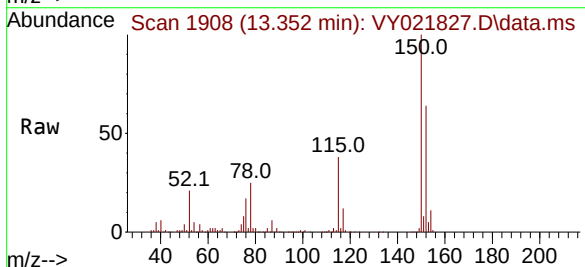
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Tgt Ion:117 Resp: 362482
Ion Ratio Lower Upper
117 100
82 55.6 42.8 64.2
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion:152 Resp: 131635
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 157.0 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

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_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021827.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.031	44	51	54	rBV2	7198	15307	1.09%	0.228%
2	4.616	467	475	487	rBV4	5587	18418	1.32%	0.274%
3	7.640	961	971	977	rBV2	201212	482255	34.47%	7.170%
4	7.713	977	983	998	rVB	324739	729522	52.14%	10.846%
5	8.067	1031	1041	1054	rBV	157406	345294	24.68%	5.134%
6	8.616	1122	1131	1146	rBV	523823	1036542	74.08%	15.411%
7	10.109	1369	1376	1385	rBV	815279	1399248	100.00%	20.804%
8	11.420	1584	1591	1605	rBV	702355	1135945	81.18%	16.889%
9	12.408	1747	1753	1763	rBV	452170	733514	52.42%	10.906%
10	13.353	1902	1908	1922	rVB	542232	814033	58.18%	12.103%
11	13.889	1991	1996	2005	rVB3	9424	15827	1.13%	0.235%

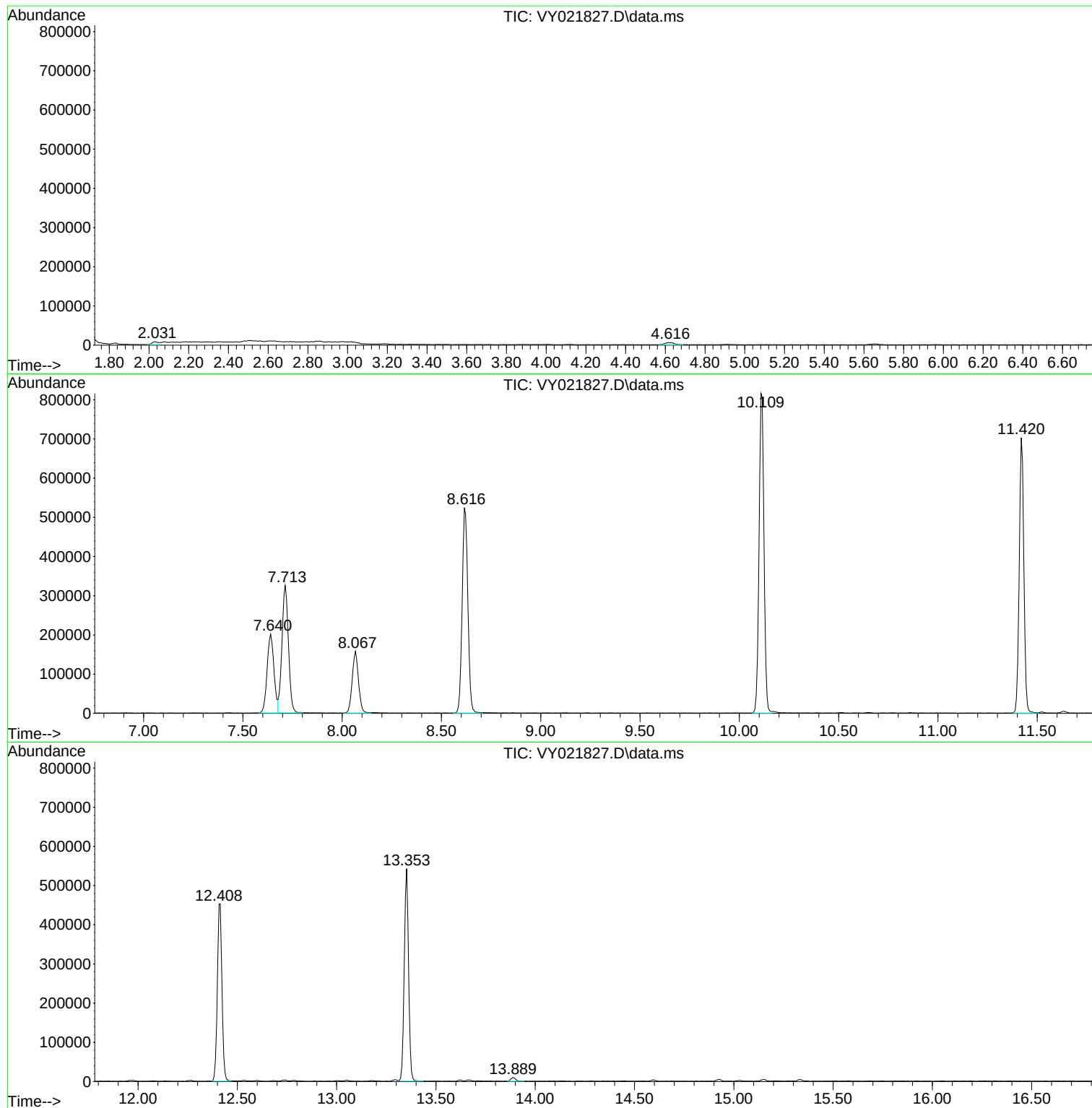
Sum of corrected areas: 6725905

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBS01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	92.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	87.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	85.8		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBS01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	86.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	54.3		70 (74) - 130 (123)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (38) - 130 (136)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.713			
540-36-3	1,4-Difluorobenzene	310000	8.616			
3114-55-4	Chlorobenzene-d5	276000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.353			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0410SBS01		SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

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_Y\Data\VY041025\
 Data File : VY021828.D
 Acq On : 10 Apr 2025 10:59
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	202932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	310477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	144045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	108092	49.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.634	113	107537	53.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.780%		
50) Toluene-d8	10.109	98	416120	54.310	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.620%		
62) 4-Bromofluorobenzene	12.408	95	138064	53.273	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38628	18.365	ug/l	99
3) Chloromethane	2.068	50	58925	19.923	ug/l	96
4) Vinyl Chloride	2.208	62	64218	19.200	ug/l	98
5) Bromomethane	2.592	94	43240	18.954	ug/l	99
6) Chloroethane	2.739	64	42301	19.327	ug/l	99
7) Trichlorofluoromethane	3.062	101	83189	19.415	ug/l	99
8) Diethyl Ether	3.458	74	21206	18.199	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	46562	20.604	ug/l	99
10) Methyl Iodide	4.007	142	53784	21.694	ug/l	98
11) Tert butyl alcohol	4.879	59	10132	70.946	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42528	19.980	ug/l	99
13) Acrolein	3.653	56	11686	44.814	ug/l	94
14) Allyl chloride	4.385	41	65088	19.178	ug/l	99
15) Acrylonitrile	5.068	53	43512	89.436	ug/l	98
16) Acetone	3.873	43	41416	92.038	ug/l	96
17) Carbon Disulfide	4.110	76	130398	18.599	ug/l	97
18) Methyl Acetate	4.397	43	20074	17.999	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	92229	17.404	ug/l	98
20) Methylene Chloride	4.622	84	50670	20.749	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	45867	19.571	ug/l	97
22) Diisopropyl ether	6.019	45	141226	19.837	ug/l	96
23) Vinyl Acetate	5.964	43	365289	87.708	ug/l	100
24) 1,1-Dichloroethane	5.921	63	86526	20.326	ug/l	97
25) 2-Butanone	6.896	43	56134	87.338	ug/l	96
26) 2,2-Dichloropropane	6.890	77	75531	19.946	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	51999	19.730	ug/l	98
28) Bromochloromethane	7.250	49	34985	19.487	ug/l	99
29) Tetrahydrofuran	7.262	42	32784	79.255	ug/l	99
30) Chloroform	7.427	83	88600	20.010	ug/l	96
31) Cyclohexane	7.701	56	71321	18.379	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	80250	20.053	ug/l	99
36) 1,1-Dichloropropene	7.841	75	62612	20.410	ug/l	98
37) Ethyl Acetate	6.982	43	24672	17.041	ug/l	97
38) Carbon Tetrachloride	7.823	117	72409	20.609	ug/l	96
39) Methylcyclohexane	9.116	83	71676	19.559	ug/l	98
40) Benzene	8.085	78	187821	20.444	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021828.D
 Acq On : 10 Apr 2025 10:59
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	14459m	18.806	ug/l	
42) 1,2-Dichloroethane	8.165	62	51955	20.061	ug/l	99
43) Isopropyl Acetate	8.201	43	49178	17.925	ug/l	98
44) Trichloroethene	8.872	130	48276	20.624	ug/l	95
45) 1,2-Dichloropropane	9.146	63	45055	20.719	ug/l	96
46) Dibromomethane	9.238	93	24846	19.825	ug/l	96
47) Bromodichloromethane	9.426	83	66235	20.396	ug/l	96
48) Methyl methacrylate	9.225	41	22658	17.994	ug/l	96
49) 1,4-Dioxane	9.244	88	4766	354.991	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	122559	85.840	ug/l	100
52) Toluene	10.176	92	120366	21.000	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	55243	19.152	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	66307	19.486	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	32227	19.982	ug/l	99
56) Ethyl methacrylate	10.445	69	37122	18.026	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55701	19.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	94741	94.305	ug/l	99
59) 2-Hexanone	10.768	43	82164	86.409	ug/l	99
60) Dibromochloromethane	10.914	129	44255	20.098	ug/l	97
61) 1,2-Dibromoethane	11.018	107	30322	20.042	ug/l	98
64) Tetrachloroethene	10.652	164	52581	20.895	ug/l	99
65) Chlorobenzene	11.444	112	130234	20.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	46518	20.700	ug/l	100
67) Ethyl Benzene	11.524	91	222629	20.498	ug/l	100
68) m/p-Xylenes	11.633	106	174884	42.050	ug/l	99
69) o-Xylene	11.957	106	78381	20.417	ug/l	99
70) Styrene	11.975	104	131308	20.514	ug/l	100
71) Bromoform	12.133	173	24956	19.469	ug/l #	98
73) Isopropylbenzene	12.261	105	211237	19.744	ug/l	100
74) N-amyl acetate	12.072	43	42471	16.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	34921	18.155	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	28984m	20.299	ug/l	
77) Bromobenzene	12.536	156	50775	19.766	ug/l	97
78) n-propylbenzene	12.597	91	263112	20.456	ug/l	100
79) 2-Chlorotoluene	12.682	91	150601	20.159	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	176133	20.143	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10119	16.329	ug/l	98
82) 4-Chlorotoluene	12.780	91	156256	20.062	ug/l	98
83) tert-Butylbenzene	12.999	119	151289	19.425	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	178636	20.670	ug/l	99
85) sec-Butylbenzene	13.176	105	233001	20.471	ug/l	100
86) p-Isopropyltoluene	13.298	119	192832	20.499	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	104101	20.569	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	102343	20.468	ug/l	98
89) n-Butylbenzene	13.621	91	177878	20.446	ug/l	100
90) Hexachloroethane	13.883	117	41809	20.281	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	89555	20.328	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5251	17.613	ug/l	100
93) 1,2,4-Trichlorobenzene	14.926	180	47966	20.077	ug/l	100
94) Hexachlorobutadiene	15.029	225	32148	21.546	ug/l	97
95) Naphthalene	15.145	128	69458	17.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	39920	19.594	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021828.D
Acq On : 10 Apr 2025 10:59
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

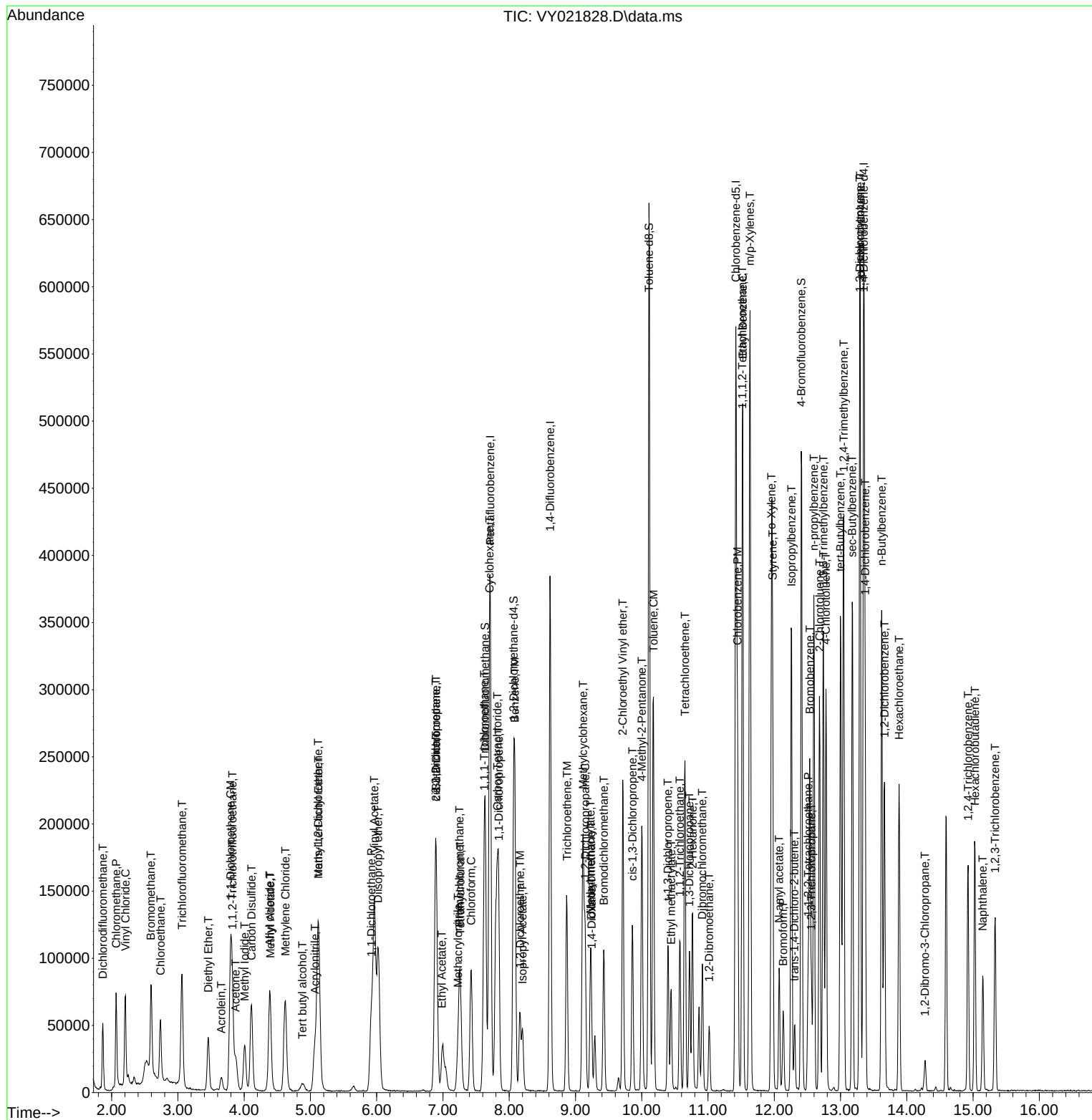
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021828.D
 Acq On : 10 Apr 2025 10:59
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

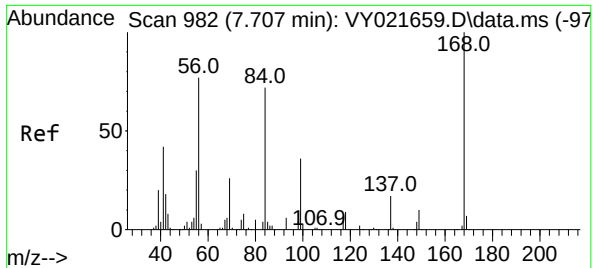
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration





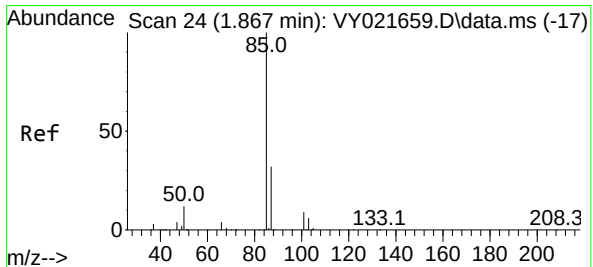
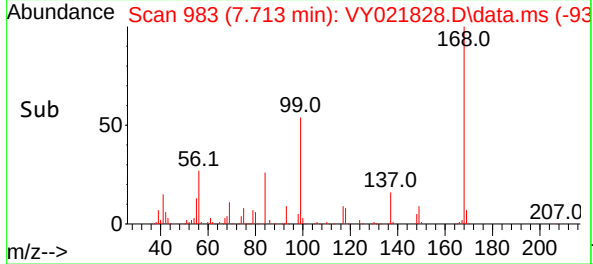
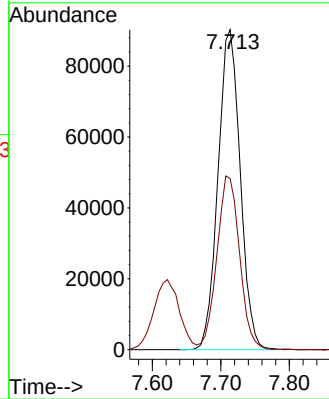
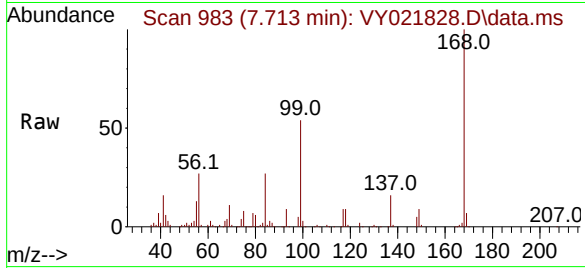
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:168 Resp: 20293
Ion Ratio Lower Upper
168 100
99 53.4 46.7 70.1

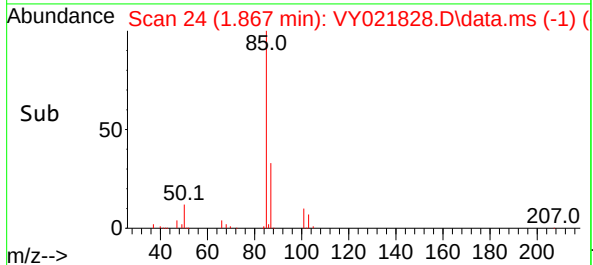
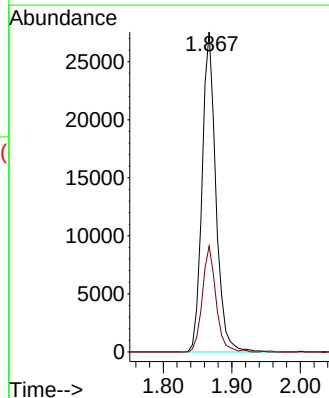
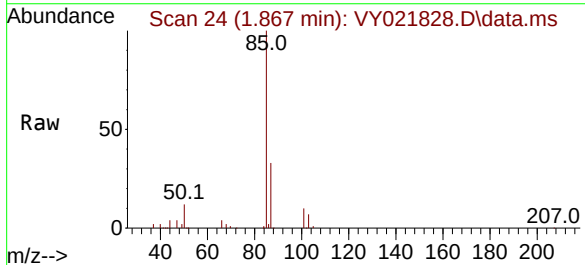
Manual Integrations
APPROVED

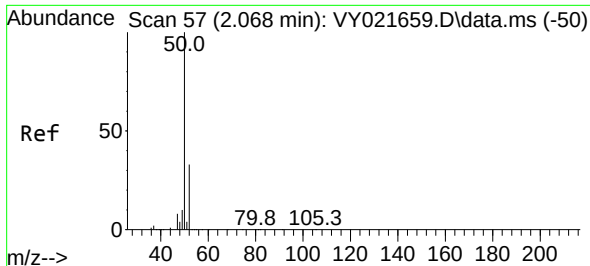
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#2
Dichlorodifluoromethane
Concen: 18.365 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 85 Resp: 38628
Ion Ratio Lower Upper
85 100
87 33.1 16.2 48.6





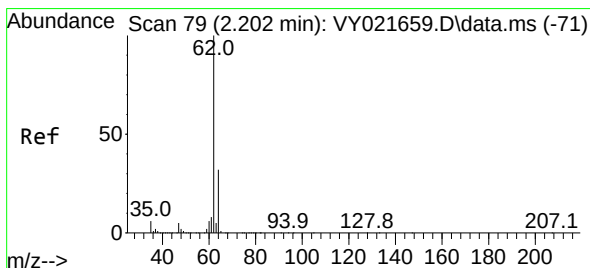
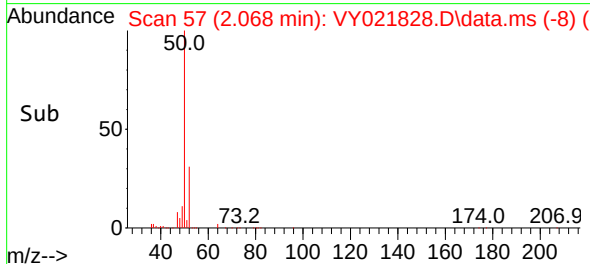
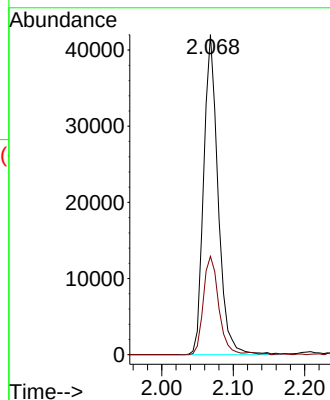
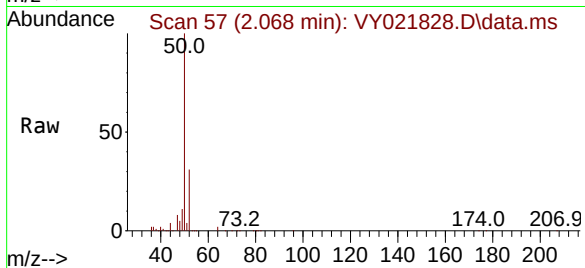
#3
Chloromethane
Concen: 19.923 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion: 50 Resp: 58925
Ion Ratio Lower Upper
50 100
52 30.8 26.3 39.5

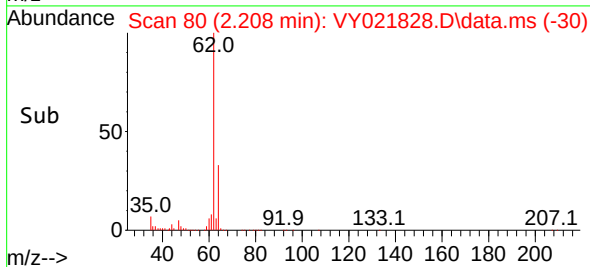
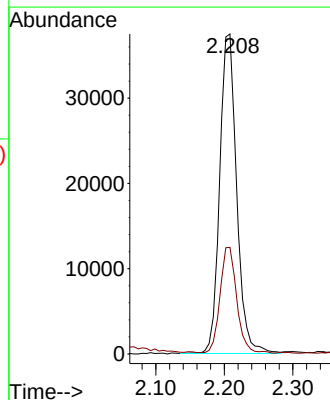
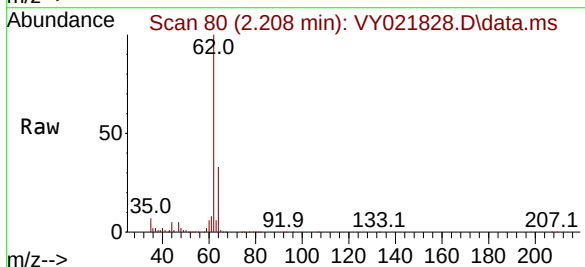
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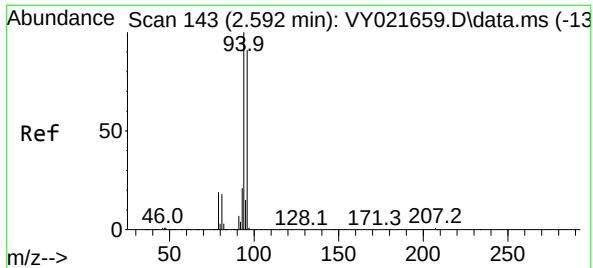
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#4
Vinyl Chloride
Concen: 19.200 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 62 Resp: 64218
Ion Ratio Lower Upper
62 100
64 32.9 25.5 38.3





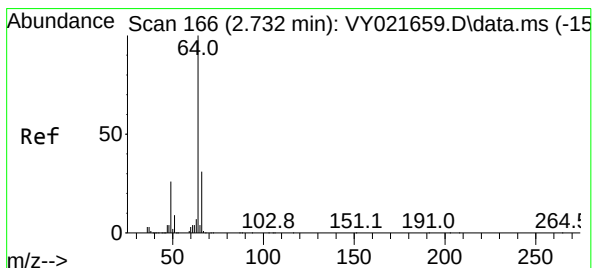
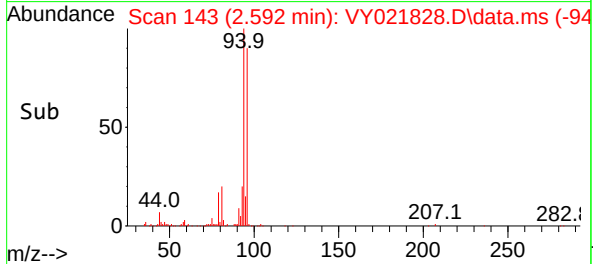
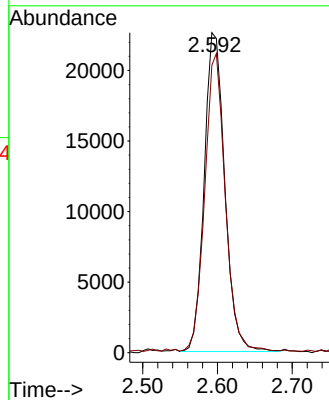
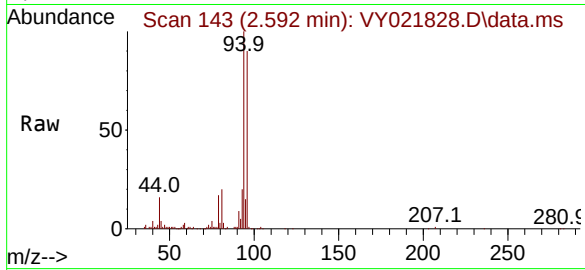
#5
Bromomethane
Concen: 18.954 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion: 94 Resp: 43240
Ion Ratio Lower Upper
94 100
96 89.7 72.8 109.2

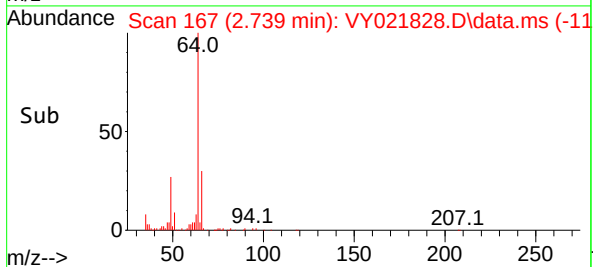
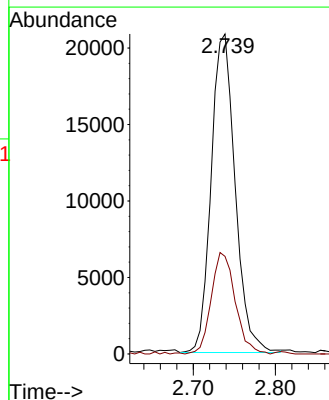
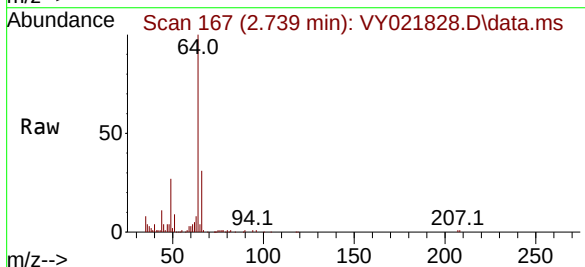
Manual Integrations
APPROVED

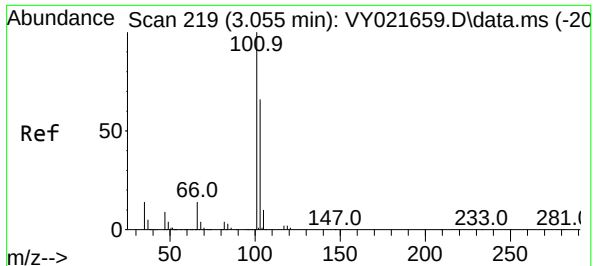
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#6
Chloroethane
Concen: 19.327 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

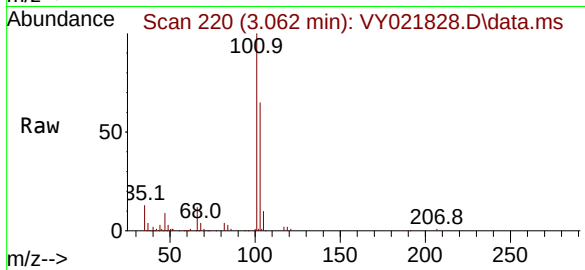
Tgt Ion: 64 Resp: 42301
Ion Ratio Lower Upper
64 100
66 30.4 24.9 37.3





#7
Trichlorofluoromethane
Concen: 19.415 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

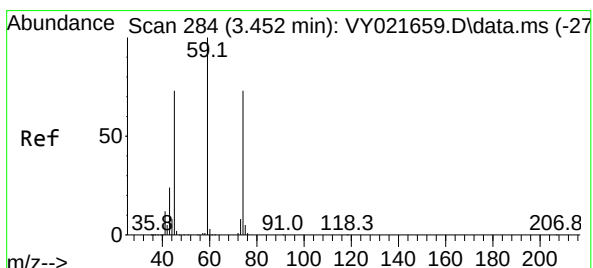
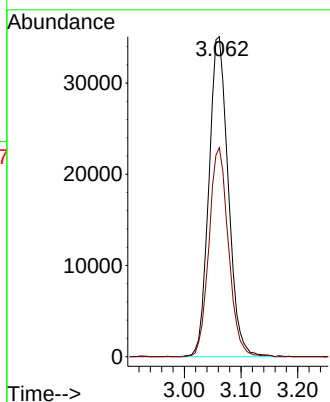
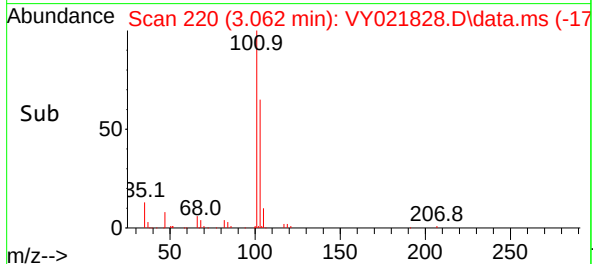
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion:101 Resp: 83189
Ion Ratio Lower Upper
101 100
103 65.3 53.1 79.7

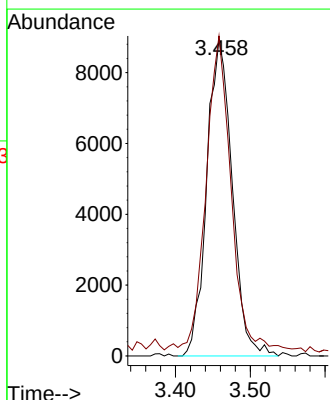
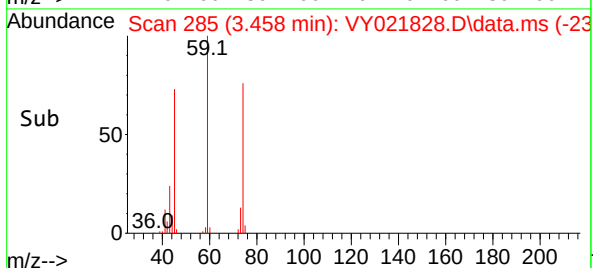
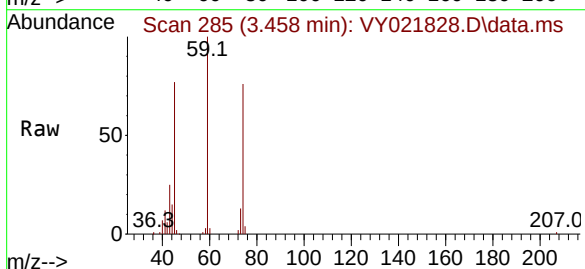
Manual Integrations
APPROVED

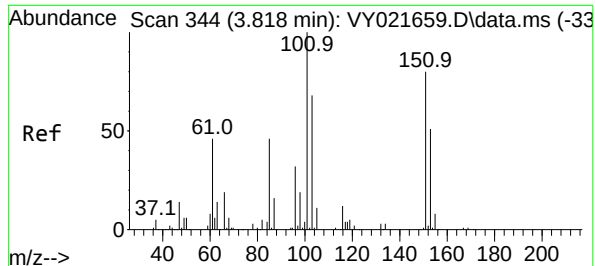
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#8
Diethyl Ether
Concen: 18.199 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 74 Resp: 21206
Ion Ratio Lower Upper
74 100
45 98.6 48.6 145.8





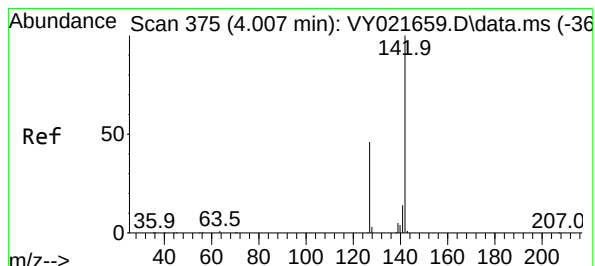
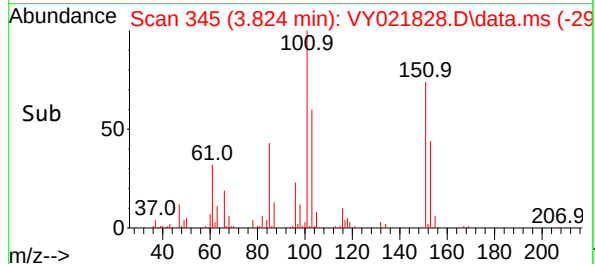
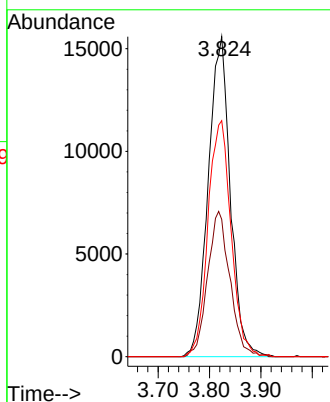
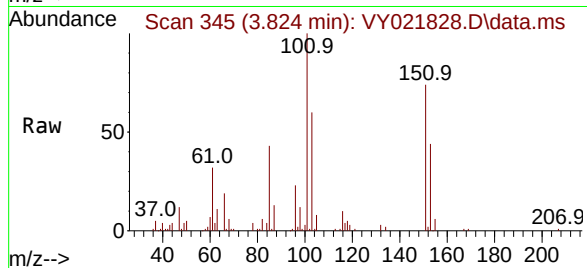
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.604 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:101 Resp: 46562
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 77.1 61.3 91.9

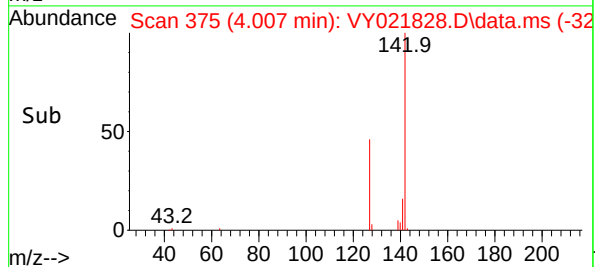
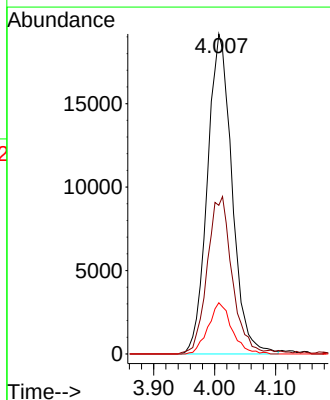
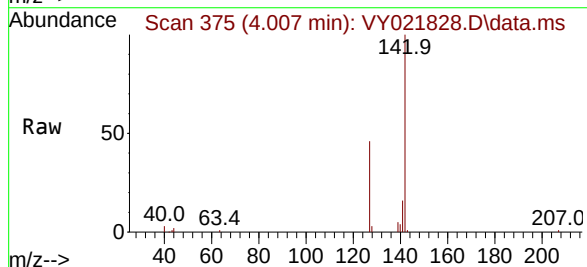
Manual Integrations
APPROVED

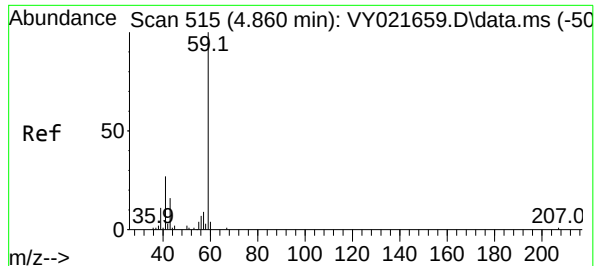
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#10
Methyl Iodide
Concen: 21.694 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion:142 Resp: 53784
Ion Ratio Lower Upper
142 100
127 49.8 38.7 58.1
141 15.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 70.946 ug/l

RT: 4.879 min Scan# 515

Delta R.T. 0.019 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 59 Resp: 1013

Ion Ratio Lower Upper

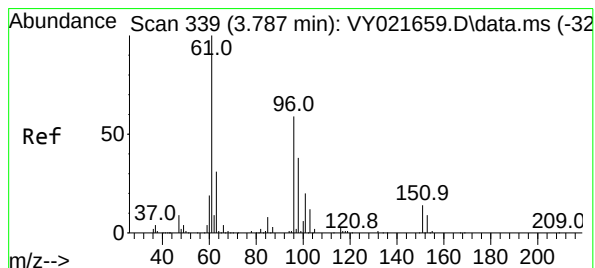
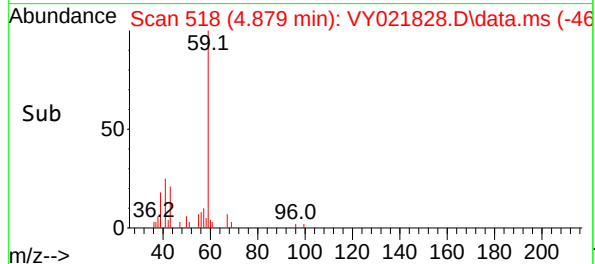
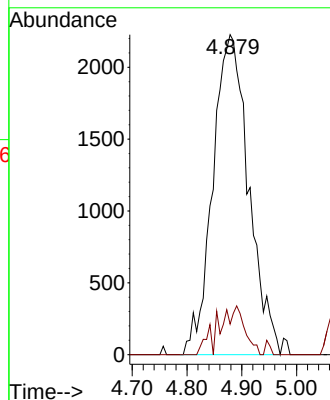
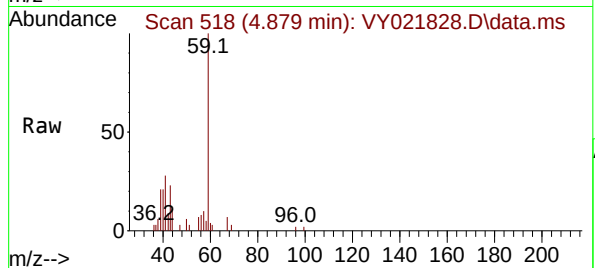
59 100

57 9.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#12

1,1-Dichloroethene

Concen: 19.980 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

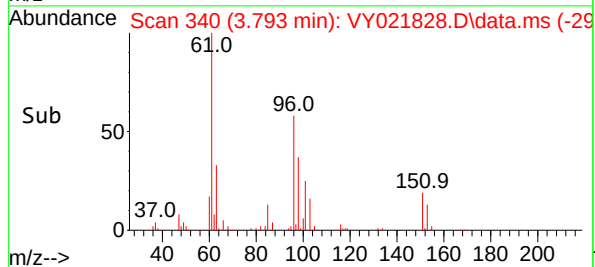
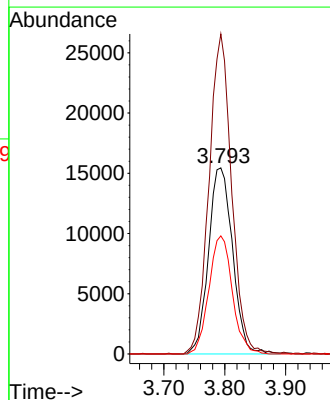
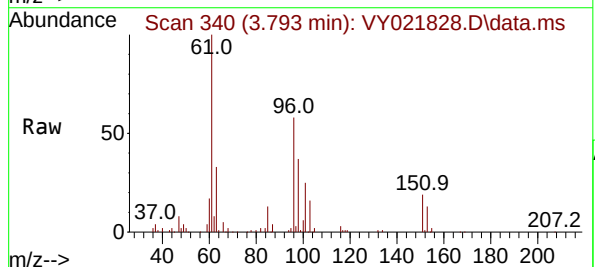
Tgt Ion: 96 Resp: 42528

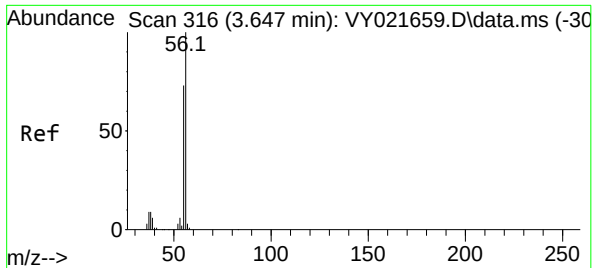
Ion Ratio Lower Upper

96 100

61 172.0 136.6 204.8

98 63.5 52.3 78.5





#13

Acrolein

Concen: 44.814 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 56 Resp: 11680

Ion Ratio Lower Upper

56 100

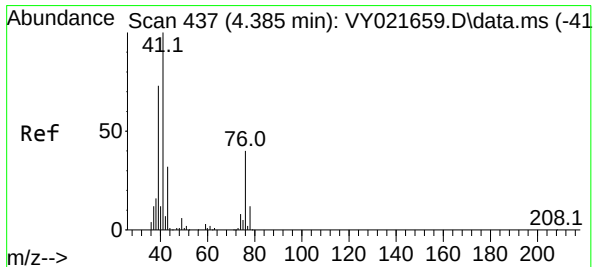
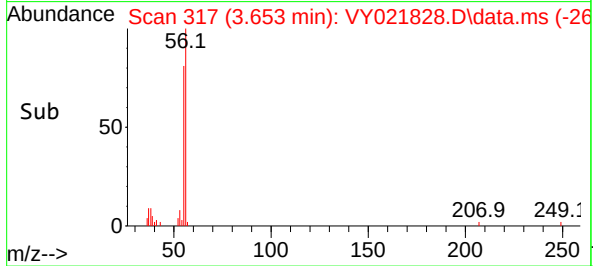
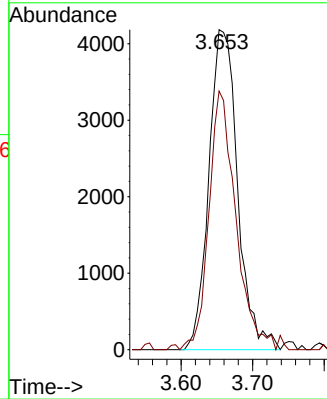
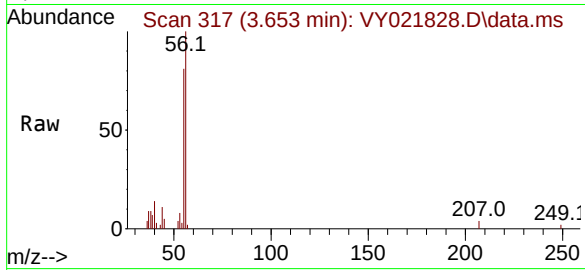
55 75.4 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#14

Allyl chloride

Concen: 19.178 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

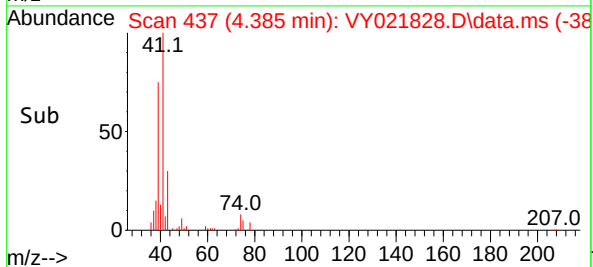
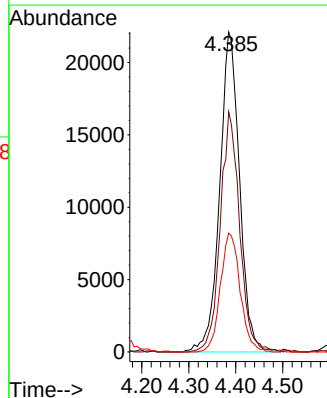
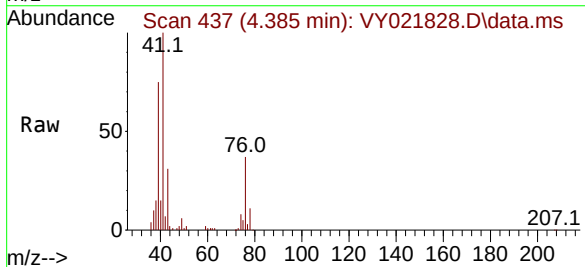
Tgt Ion: 41 Resp: 65088

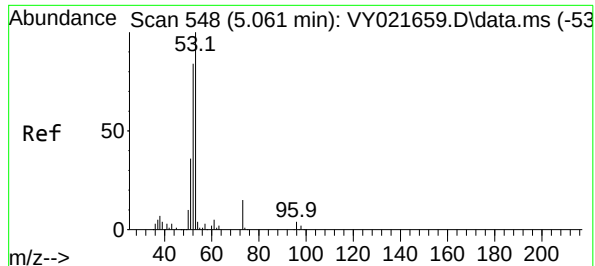
Ion Ratio Lower Upper

41 100

39 73.1 58.6 88.0

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 89.436 ug/l

RT: 5.068 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 53 Resp: 4351

Ion Ratio Lower Upper

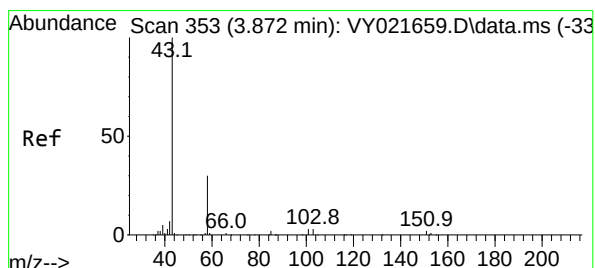
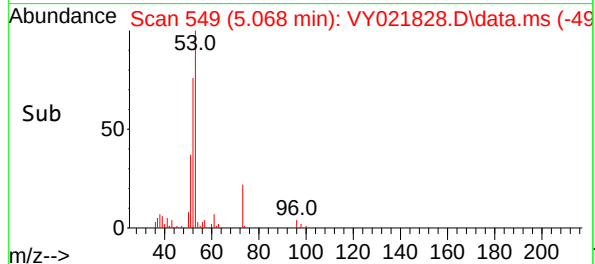
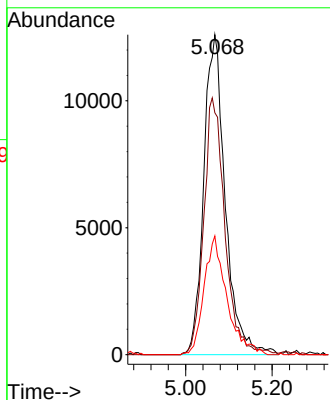
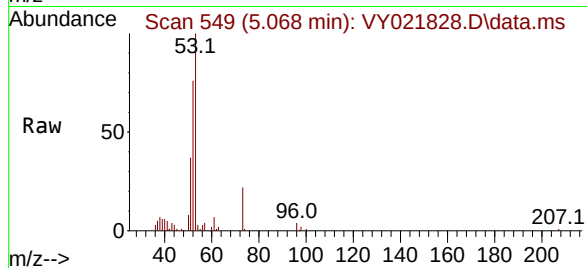
53 100

52 79.0 64.9 97.3

51 39.3 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#16

Acetone

Concen: 92.038 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021828.D

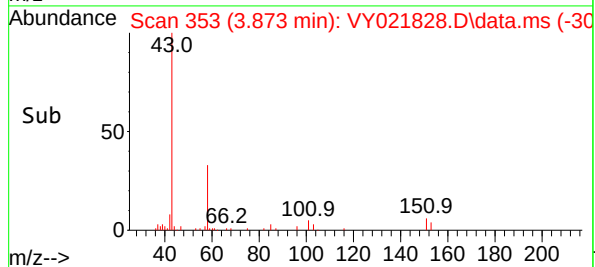
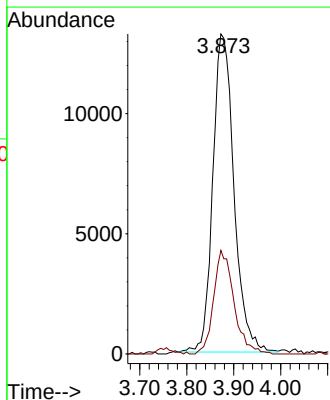
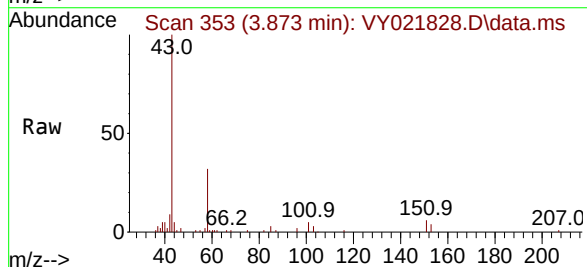
Acq: 10 Apr 2025 10:59

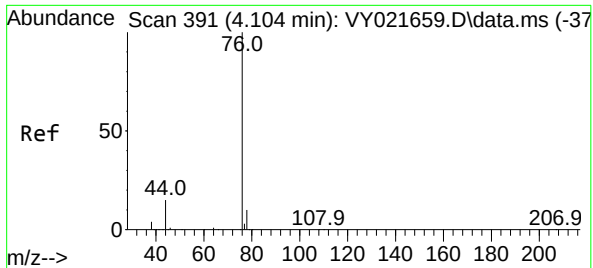
Tgt Ion: 43 Resp: 41416

Ion Ratio Lower Upper

43 100

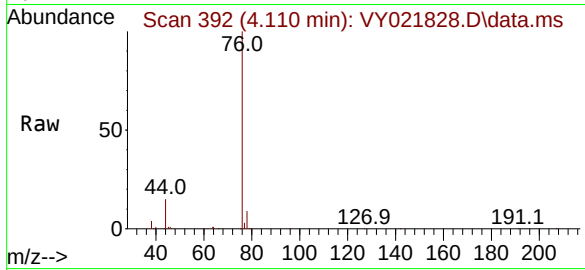
58 32.5 24.2 36.4





#17
Carbon Disulfide
Concen: 18.599 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

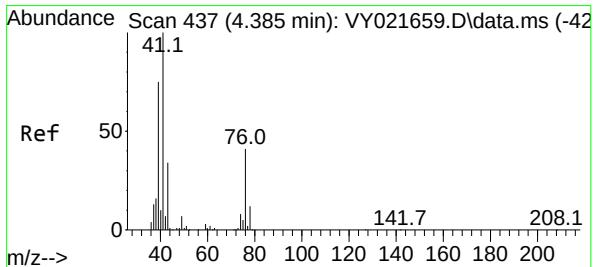
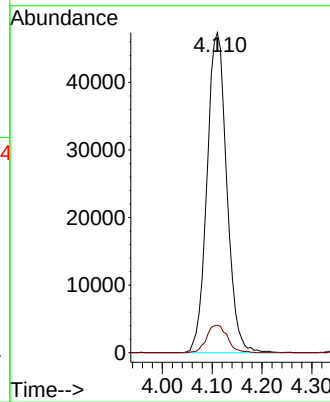
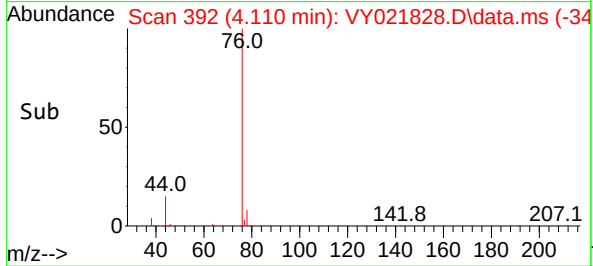
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 76 Resp: 130398
Ion Ratio Lower Upper
76 100
78 8.6 7.6 11.4

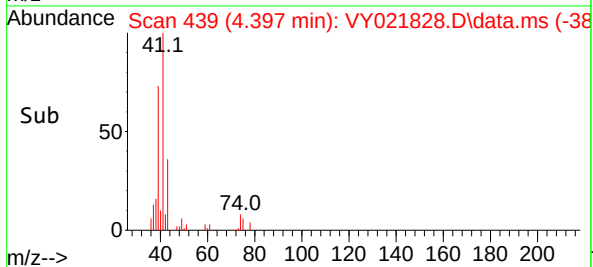
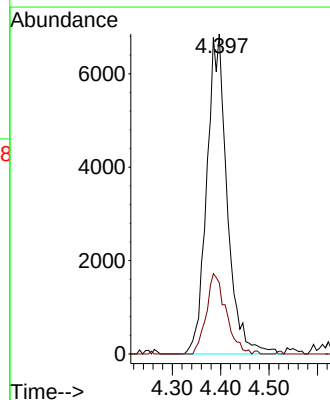
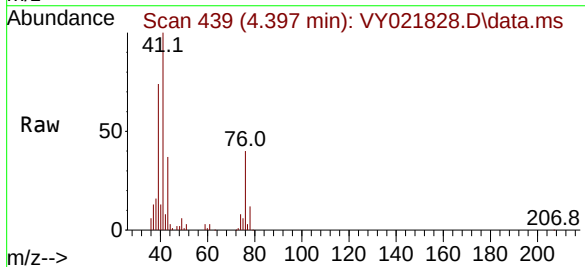
Manual Integrations
APPROVED

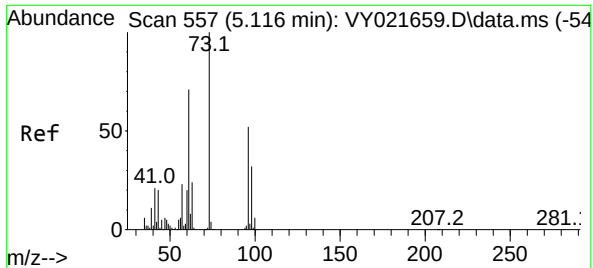
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#18
Methyl Acetate
Concen: 17.999 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 43 Resp: 20074
Ion Ratio Lower Upper
43 100
74 24.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.404 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 73 Resp: 92229

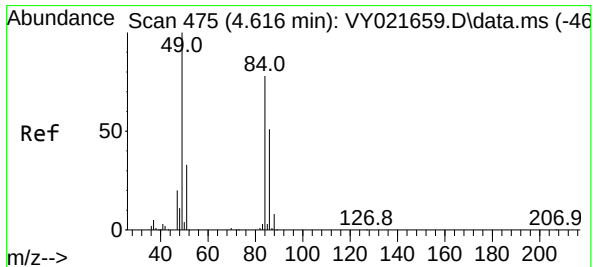
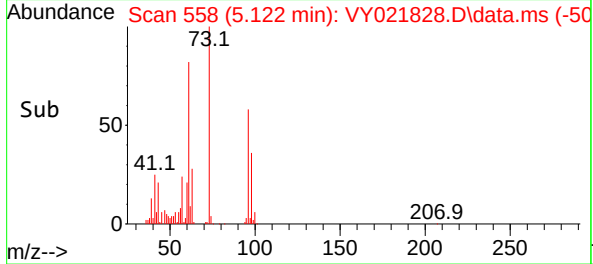
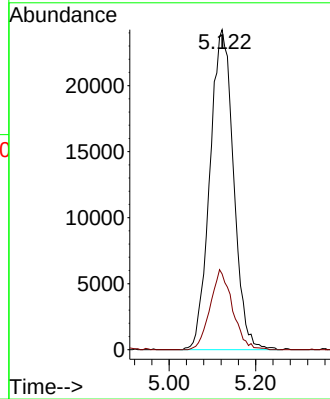
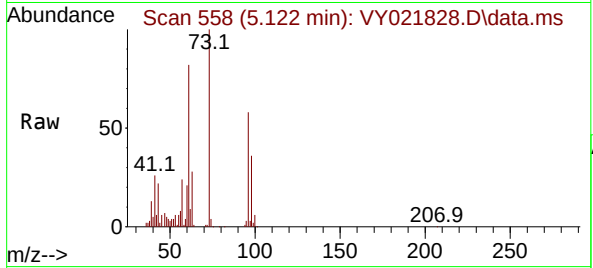
Ion Ratio Lower Upper

73 100

57 23.7 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#20

Methylene Chloride

Concen: 20.749 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion: 84 Resp: 50670

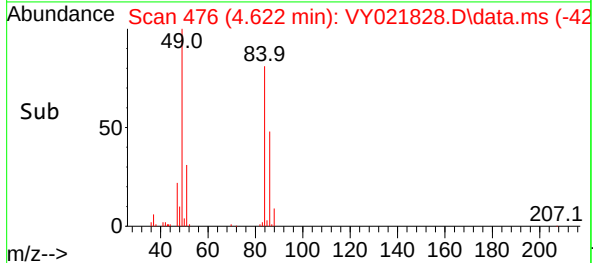
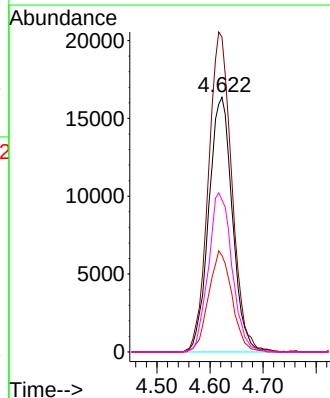
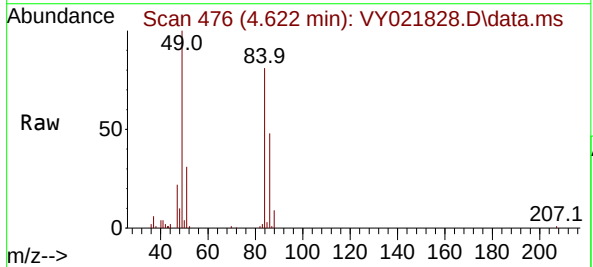
Ion Ratio Lower Upper

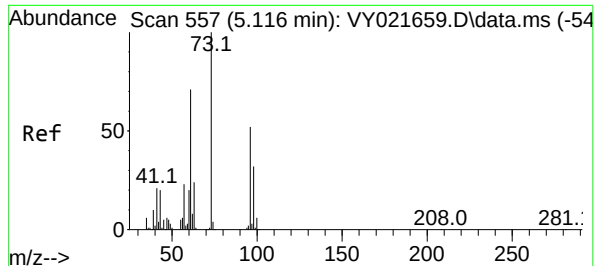
84 100

49 123.6 102.8 154.2

51 37.9 33.5 50.3

86 59.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.571 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021828.D

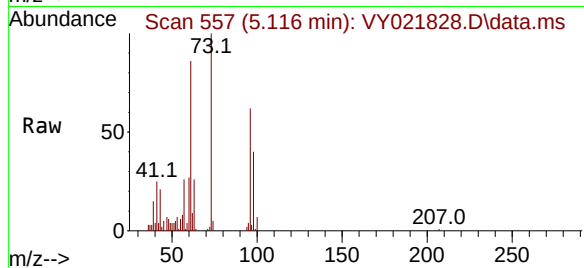
Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01



Tgt Ion: 96 Resp: 4586

Ion Ratio Lower Upper

96 100

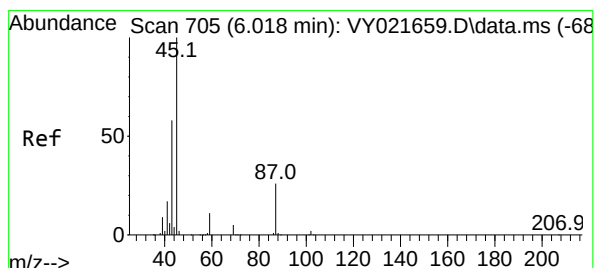
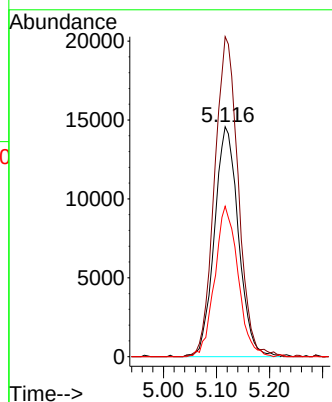
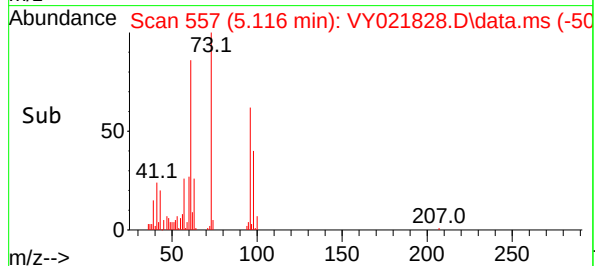
61 139.2 109.4 164.0

98 65.4 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#22

Diisopropyl ether

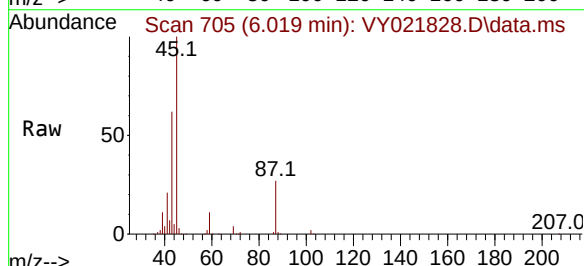
Concen: 19.837 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59



Tgt Ion: 45 Resp: 141226

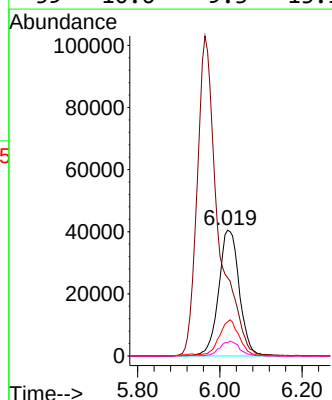
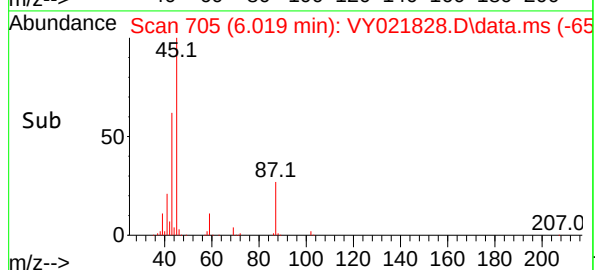
Ion Ratio Lower Upper

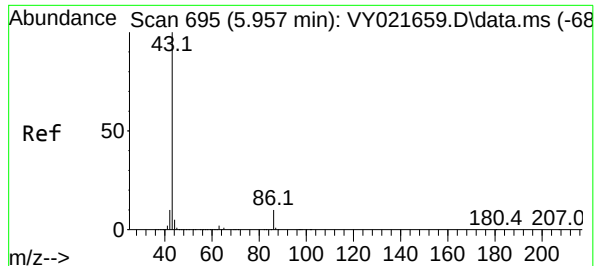
45 100

43 61.8 46.6 69.8

87 27.1 20.7 31.1

59 10.6 9.3 13.9





#23

Vinyl Acetate

Concen: 87.708 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 365289

Ion Ratio Lower Upper

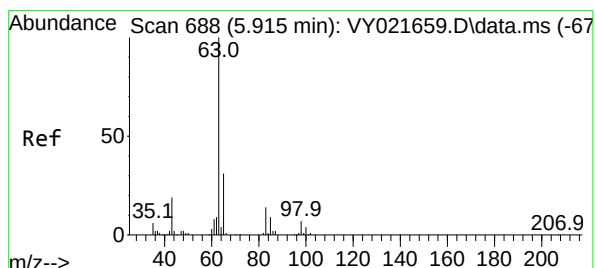
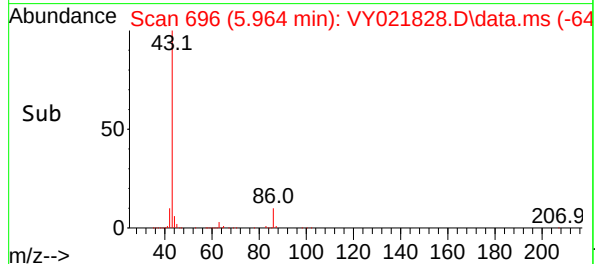
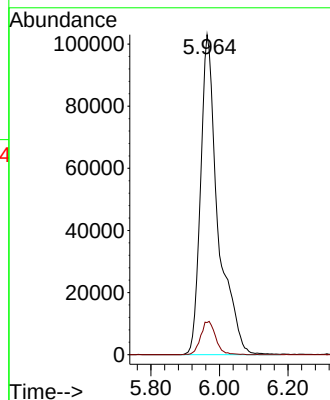
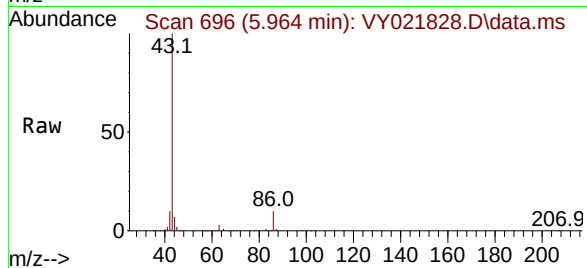
43 100

86 10.1 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#24

1,1-Dichloroethane

Concen: 20.326 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

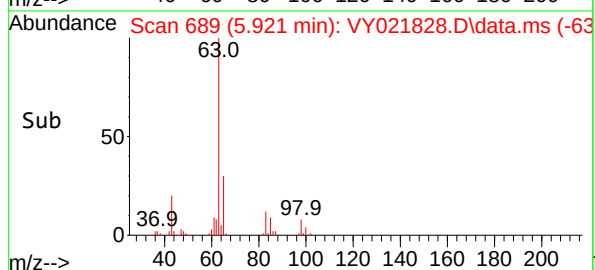
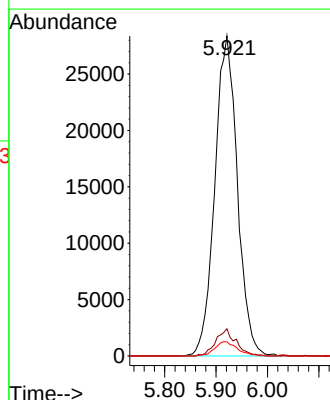
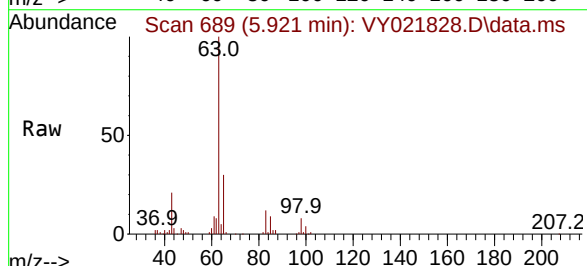
Tgt Ion: 63 Resp: 86526

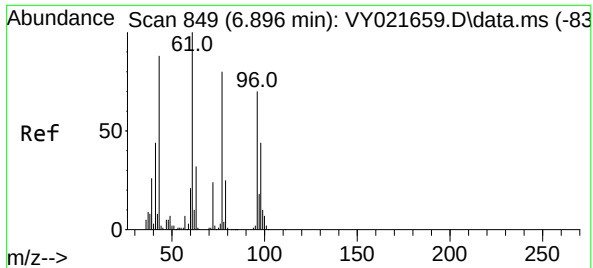
Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 87.338 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 56134

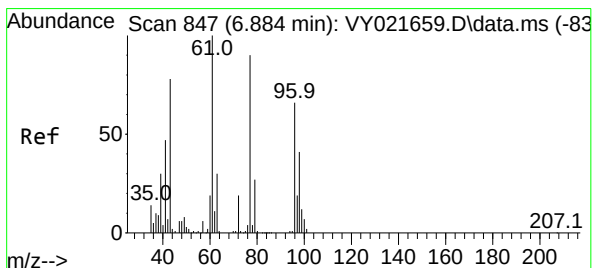
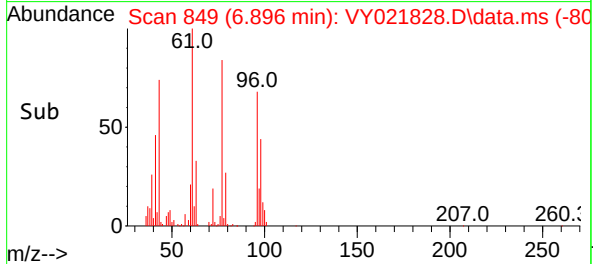
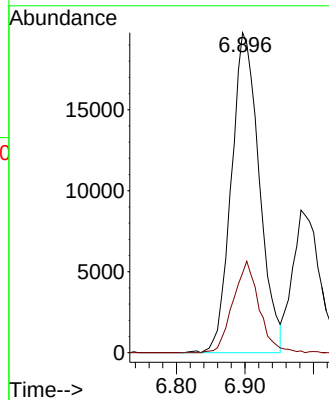
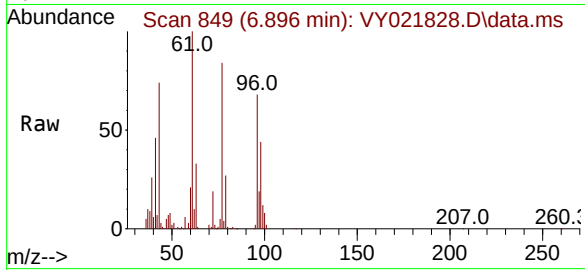
Ion Ratio Lower Upper

43 100

72 24.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#26

2,2-Dichloropropane

Concen: 19.946 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021828.D

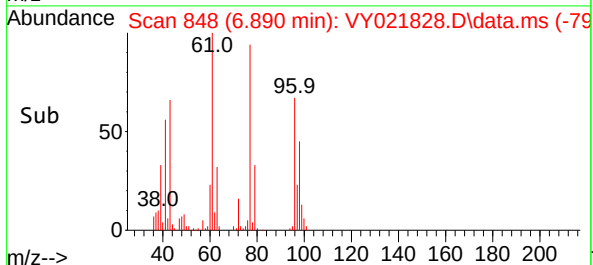
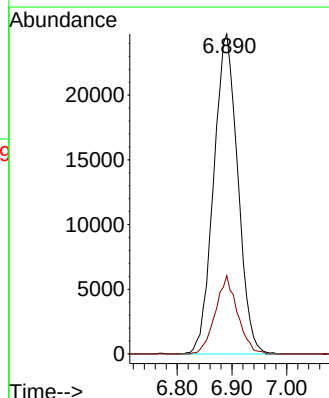
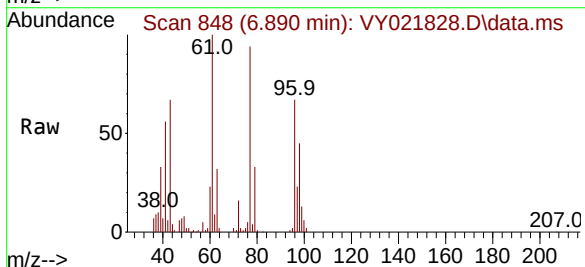
Acq: 10 Apr 2025 10:59

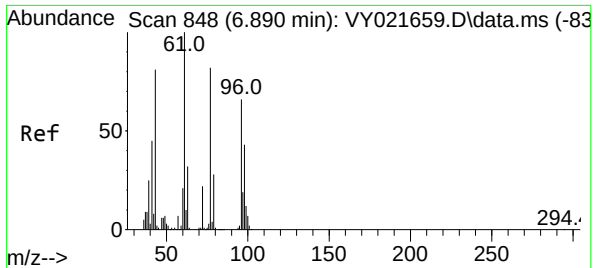
Tgt Ion: 77 Resp: 75531

Ion Ratio Lower Upper

77 100

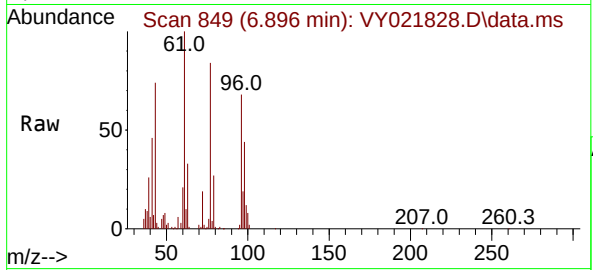
97 22.4 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 19.730 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY021828.D
 Acq: 10 Apr 2025 10:59

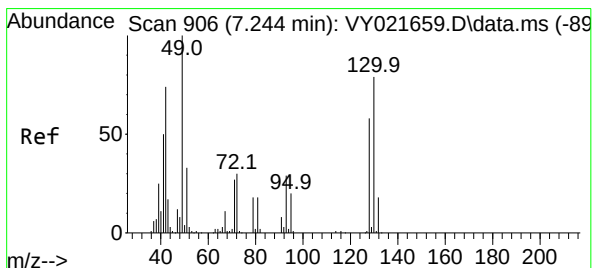
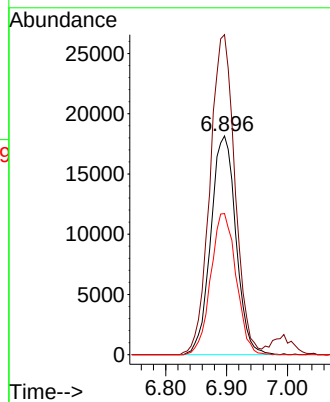
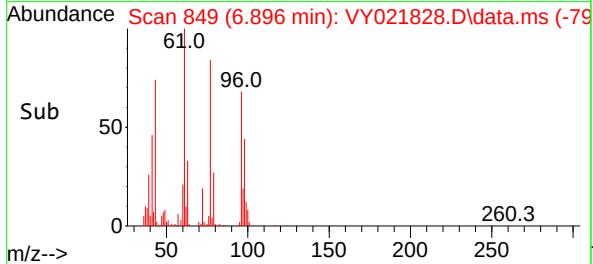
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01



Tgt Ion: 96 Resp: 5199
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 296.4
 98 65.1 0.0 128.0

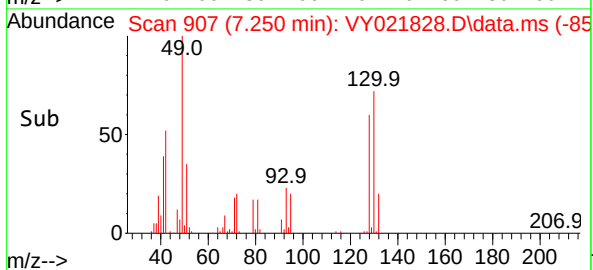
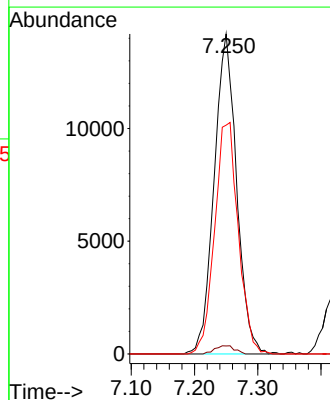
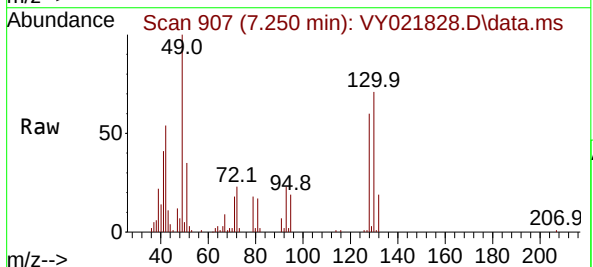
Manual Integrations
 APPROVED

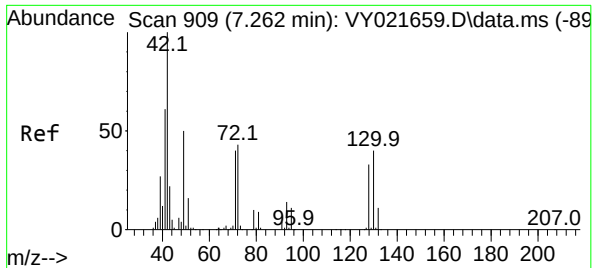
Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#28
 Bromochloromethane
 Concen: 19.487 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY021828.D
 Acq: 10 Apr 2025 10:59

Tgt Ion: 49 Resp: 34985
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 76.0 60.1 90.1





#29

Tetrahydrofuran

Concen: 79.255 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

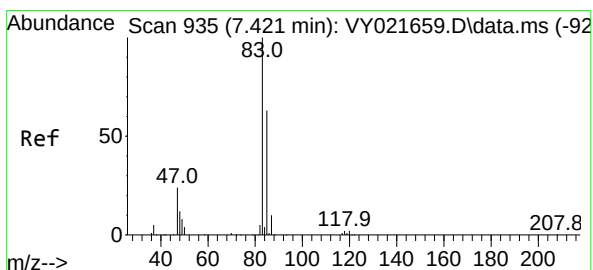
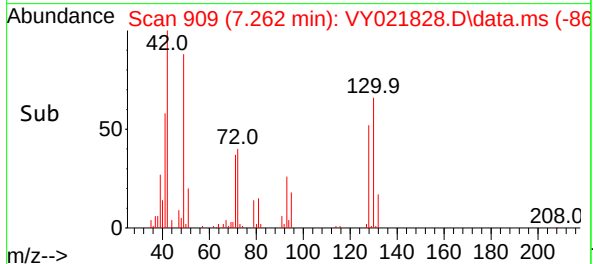
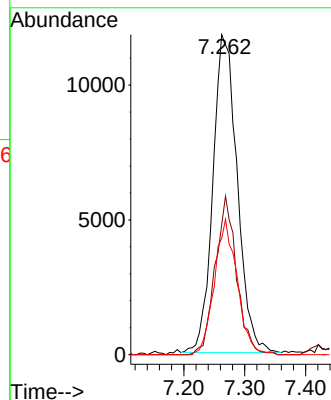
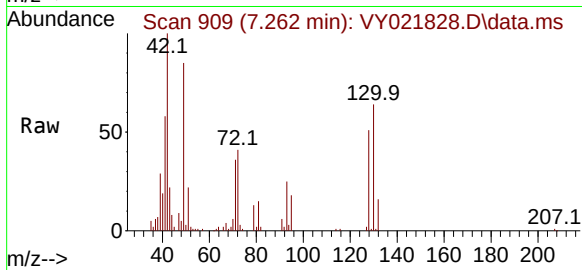
ClientSampleId :

VY0410SBS01

Tgt Ion:	42	Resp:	32784
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	39.8	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#30

Chloroform

Concen: 20.010 ug/l

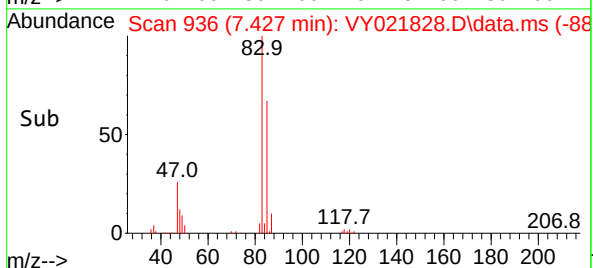
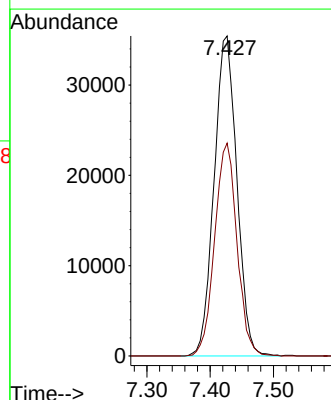
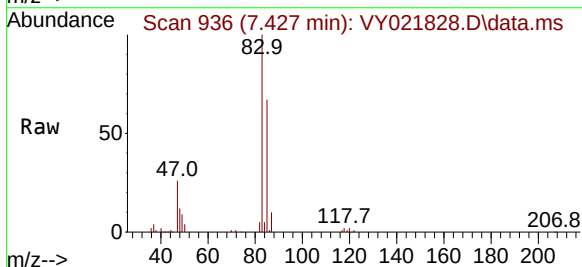
RT: 7.427 min Scan# 936

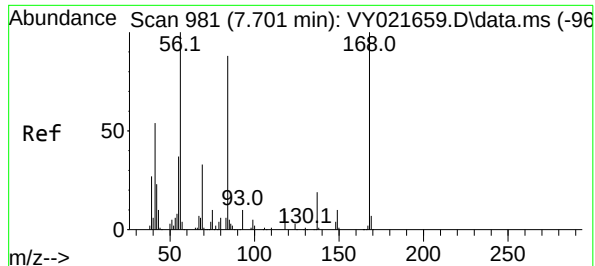
Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion:	83	Resp:	88600
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.6	75.8





#31

Cyclohexane

Concen: 18.379 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 56 Resp: 7132

Ion Ratio Lower Upper

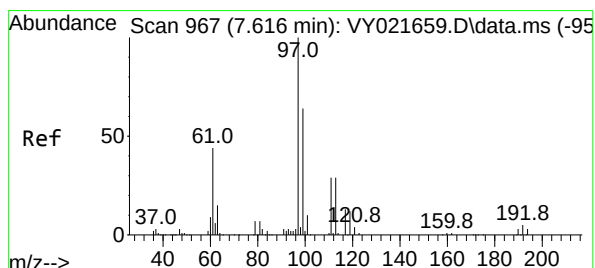
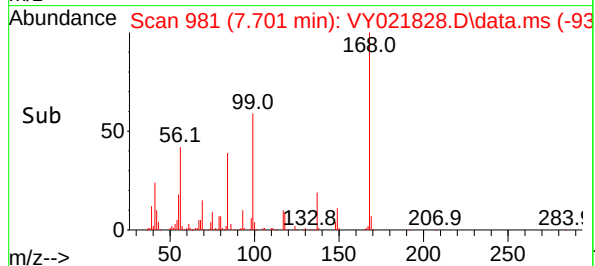
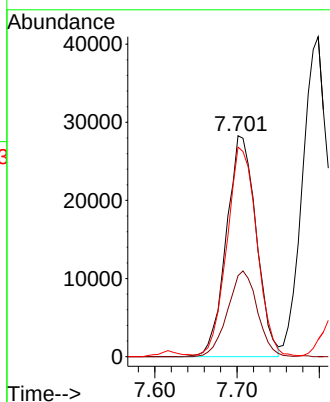
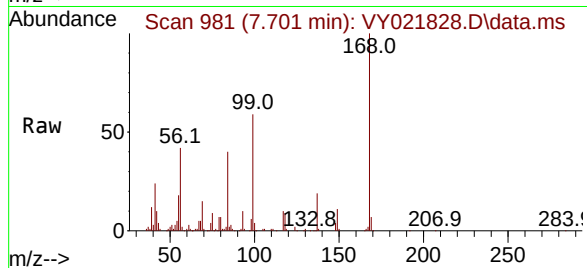
56 100

69 36.7 26.6 40.0

84 93.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#32

1,1,1-Trichloroethane

Concen: 20.053 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

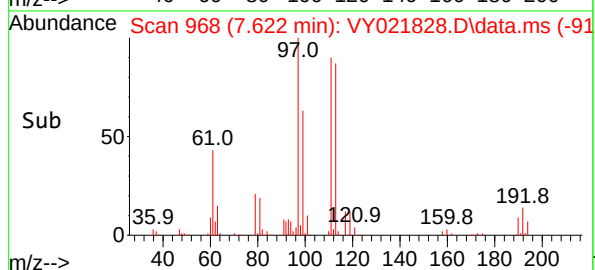
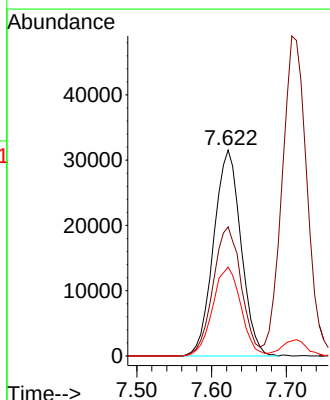
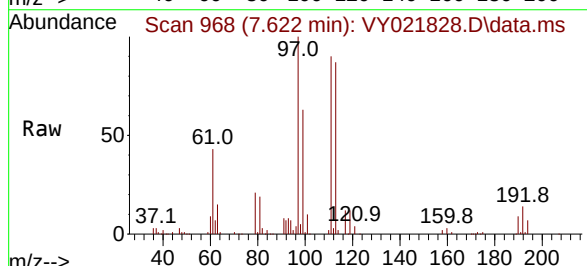
Tgt Ion: 97 Resp: 80250

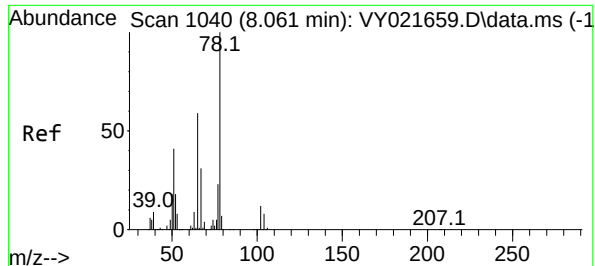
Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 44.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.162 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 65 Resp: 108092

Ion Ratio Lower Upper

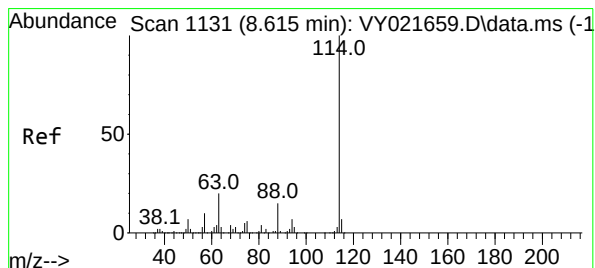
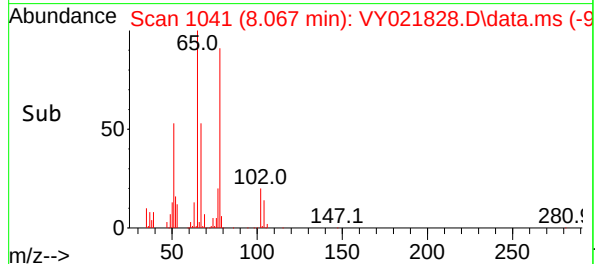
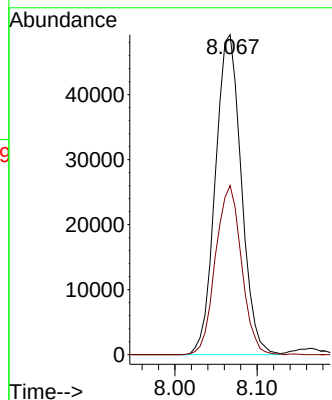
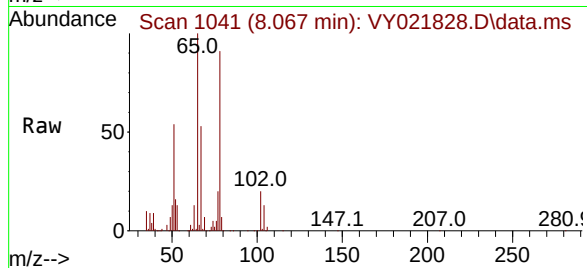
65 100

67 52.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

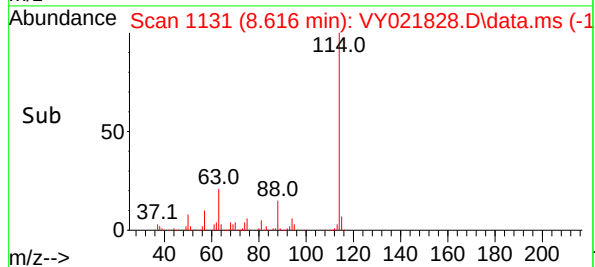
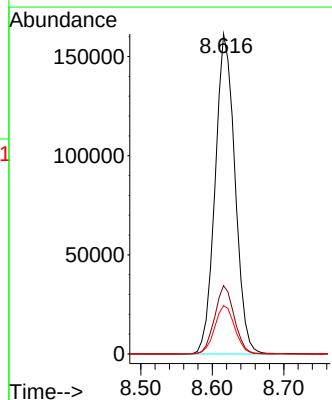
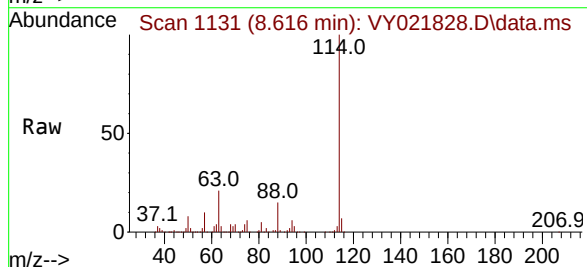
Tgt Ion:114 Resp: 310477

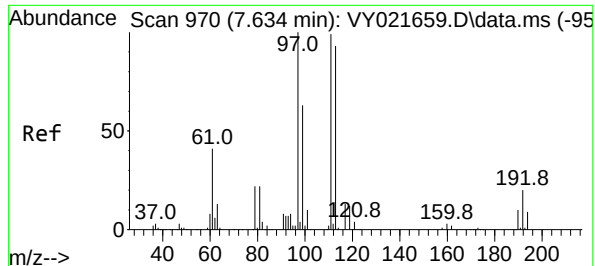
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.394 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:113 Resp: 10753

Ion Ratio Lower Upper

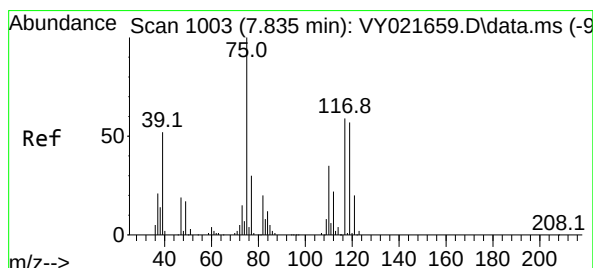
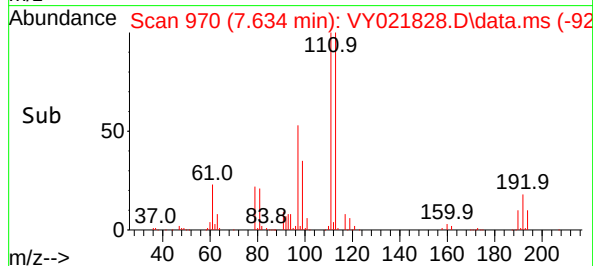
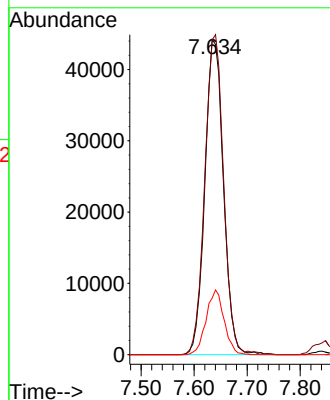
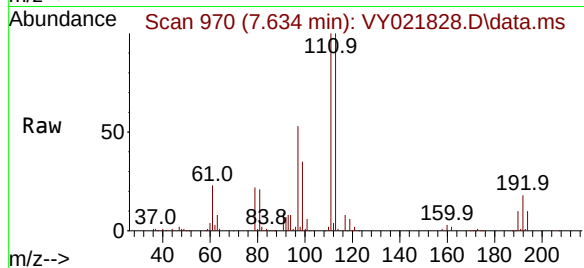
113 100

111 103.0 82.6 123.8

192 19.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#36

1,1-Dichloropropene

Concen: 20.410 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

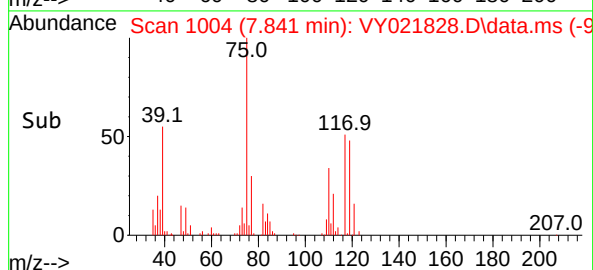
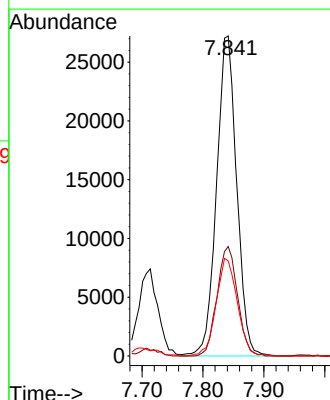
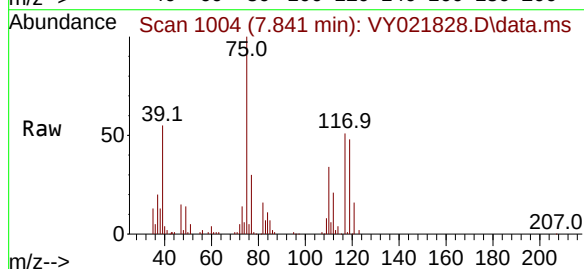
Tgt Ion: 75 Resp: 62612

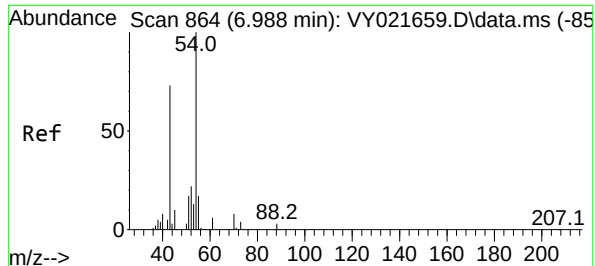
Ion Ratio Lower Upper

75 100

110 34.8 17.0 50.9

77 32.1 24.8 37.2





#37

Ethyl Acetate

Concen: 17.041 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

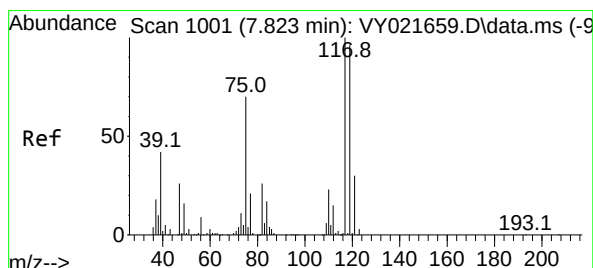
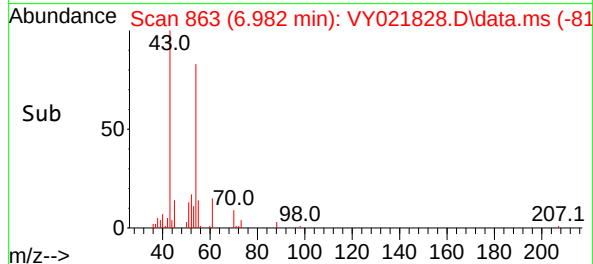
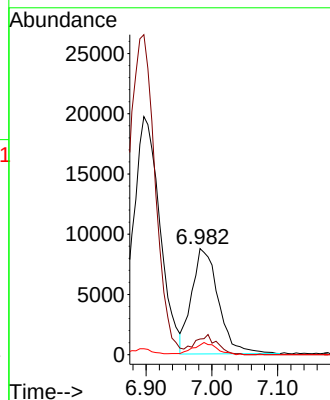
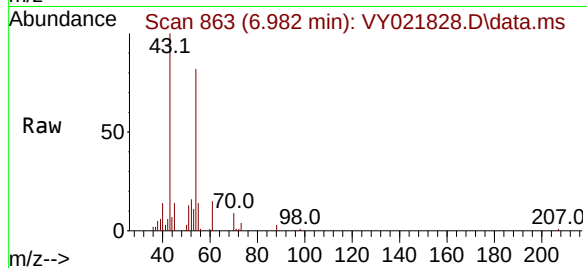
Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:	43	Resp:	2467
Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.0	16.6
70	9.9	8.1	12.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#38

Carbon Tetrachloride

Concen: 20.609 ug/l

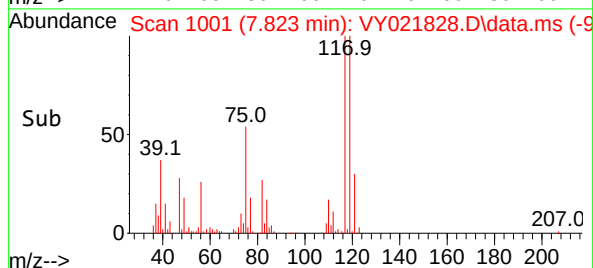
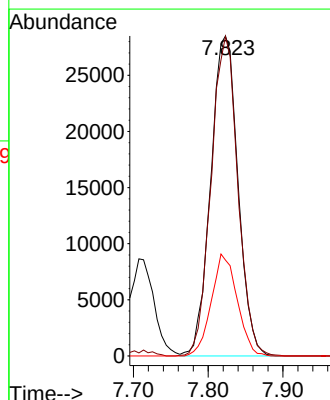
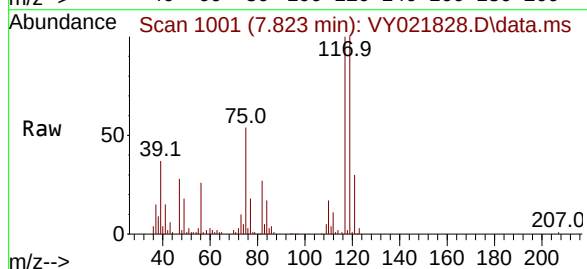
RT: 7.823 min Scan# 1001

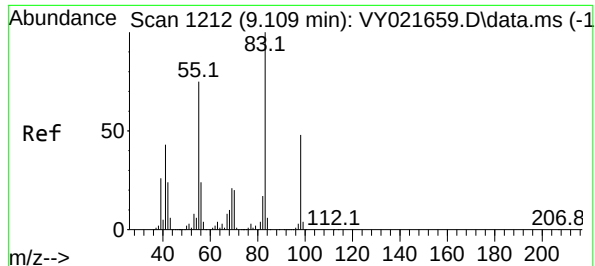
Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion:	117	Resp:	72409
Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.2	114.4
121	30.0	24.2	36.4





#39

Methylcyclohexane

Concen: 19.559 ug/l

RT: 9.116 min Scan# 1212

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

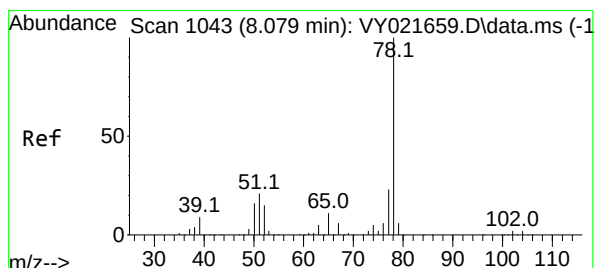
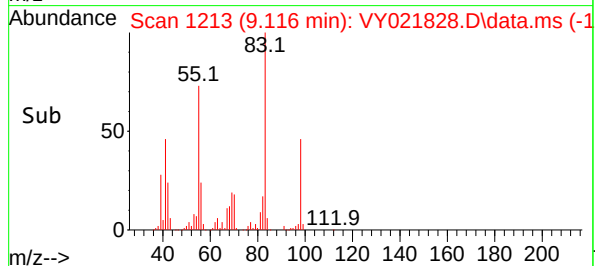
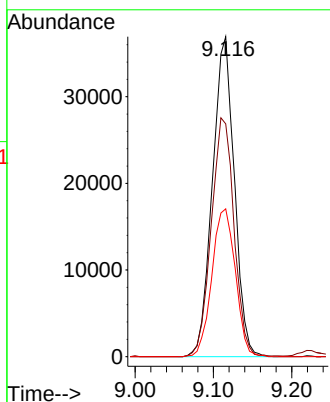
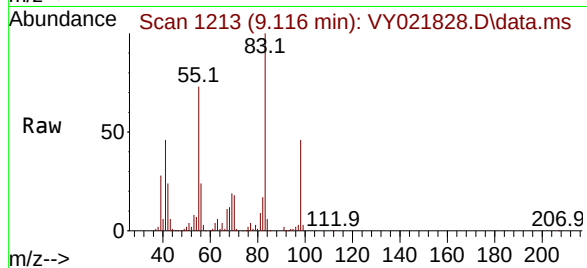
VY0410SBS01

Tgt Ion: 83	Resp: 71670
Ion Ratio	Lower Upper
83 100	
55 72.7	59.7 89.5
98 46.2	38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#40

Benzene

Concen: 20.444 ug/l

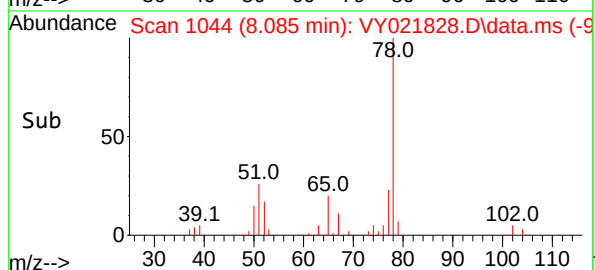
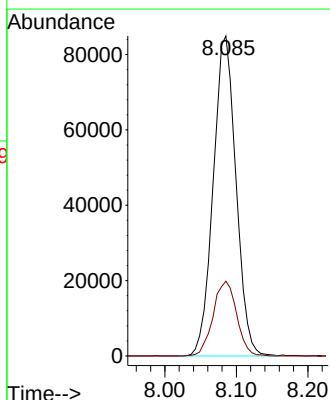
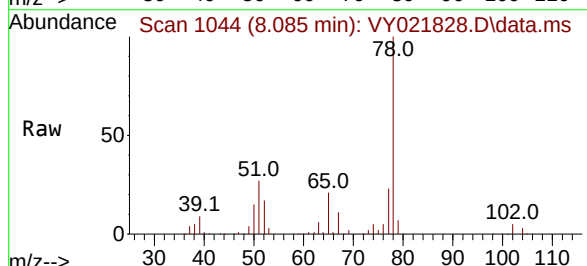
RT: 8.085 min Scan# 1044

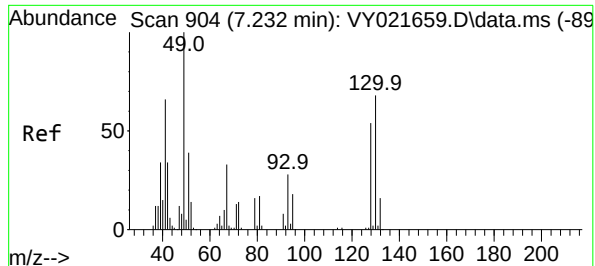
Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion: 78	Resp: 187821
Ion Ratio	Lower Upper
78 100	
77 23.3	18.8 28.2





#41

Methacrylonitrile

Concen: 18.806 ug/l m

RT: 7.226 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 41 Resp: 1445

Ion Ratio Lower Upper

41 100

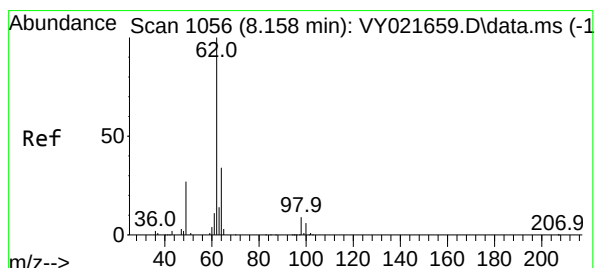
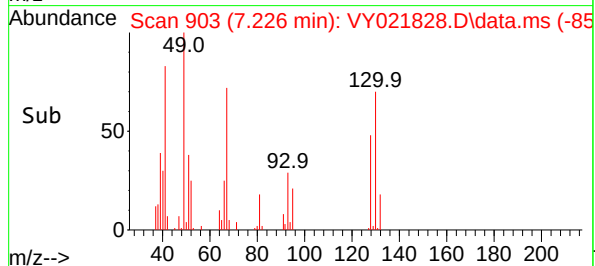
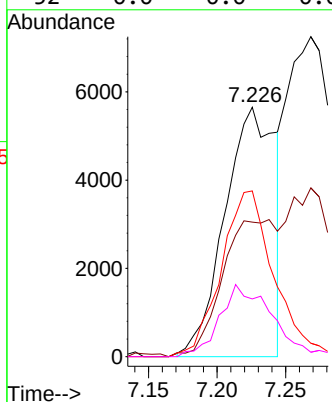
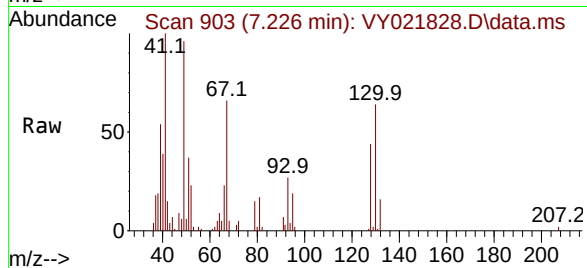
39 59.1 0.0 0.0

67 69.9 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#42

1,2-Dichloroethane

Concen: 20.061 ug/l

RT: 8.165 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VY021828.D

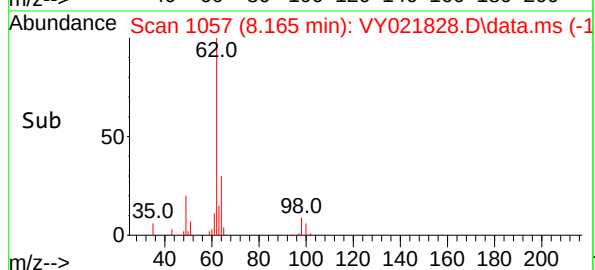
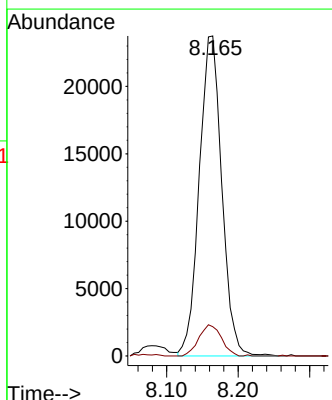
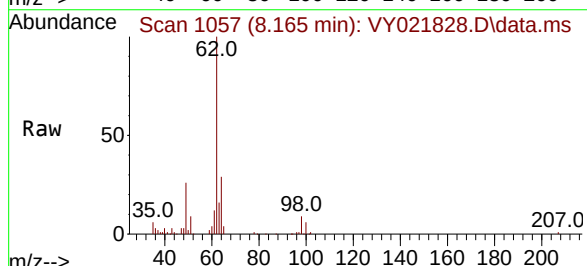
Acq: 10 Apr 2025 10:59

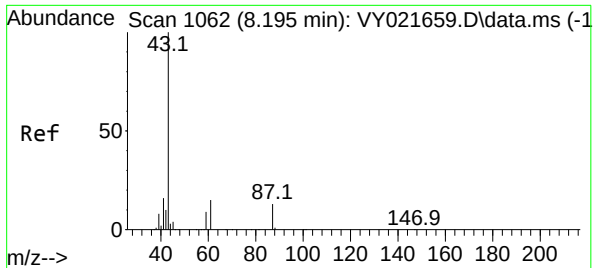
Tgt Ion: 62 Resp: 51955

Ion Ratio Lower Upper

62 100

98 9.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.925 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

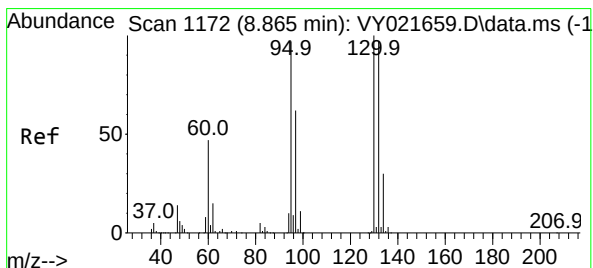
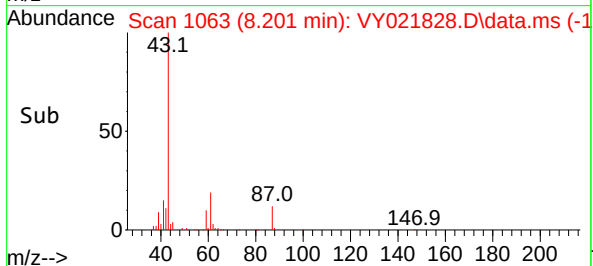
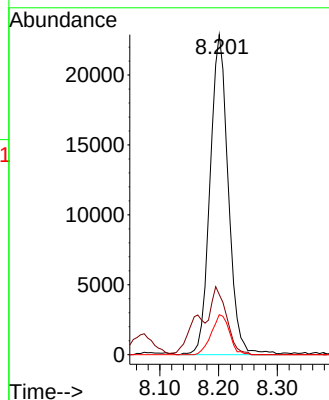
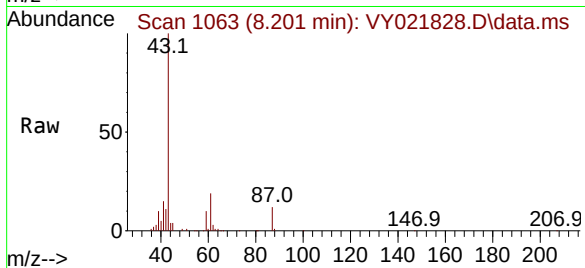
VY0410SBS01

Tgt Ion:	43	Resp:	49178
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.9	23.9
87	12.4	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#44

Trichloroethene

Concen: 20.624 ug/l

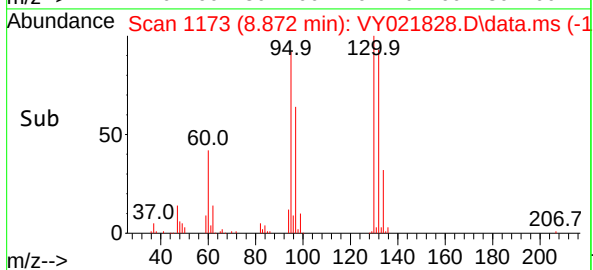
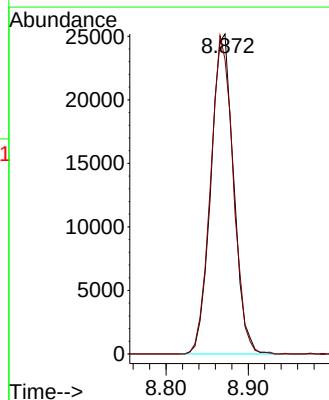
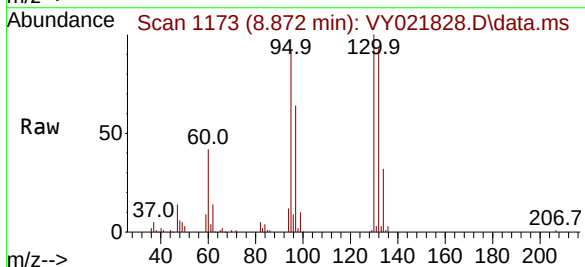
RT: 8.872 min Scan# 1173

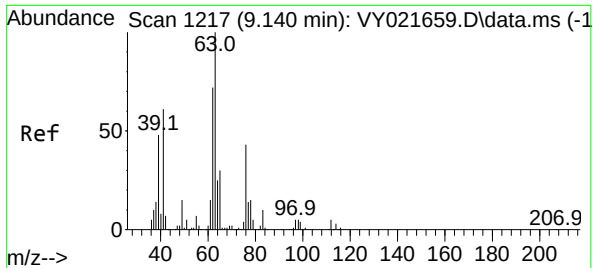
Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion:	130	Resp:	48276
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	194.8





#45

1,2-Dichloropropane

Concen: 20.719 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 63 Resp: 4505

Ion Ratio Lower Upper

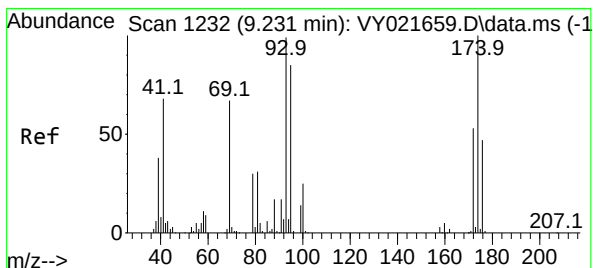
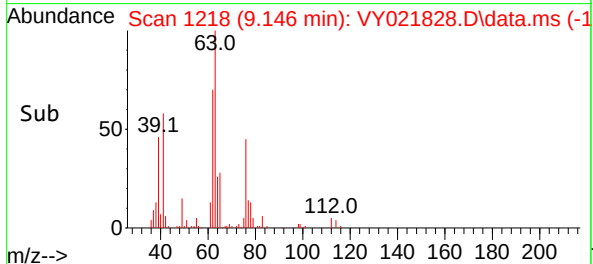
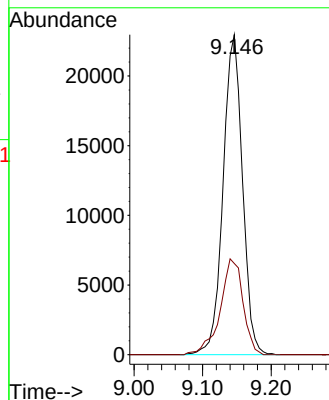
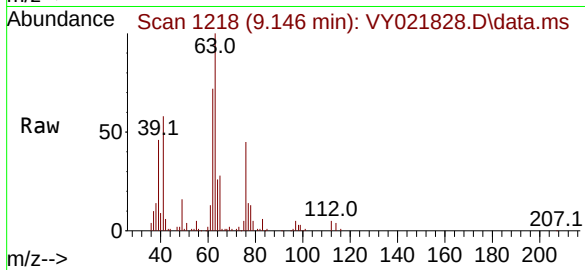
63 100

65 28.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#46

Dibromomethane

Concen: 19.825 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

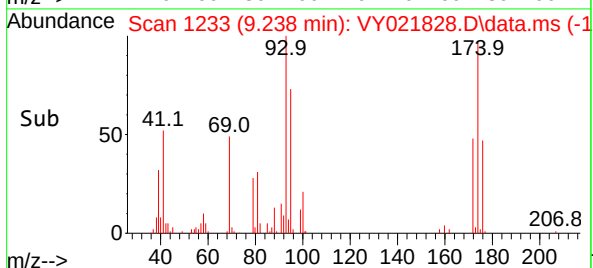
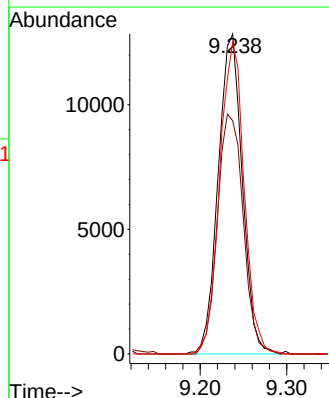
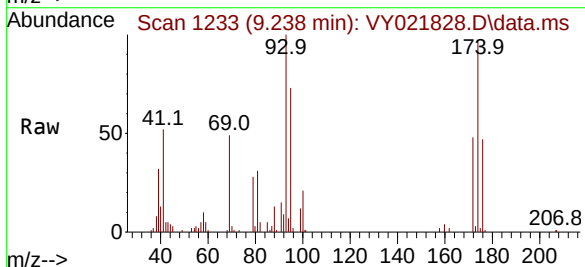
Tgt Ion: 93 Resp: 24846

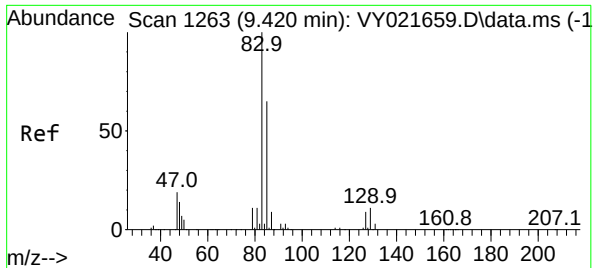
Ion Ratio Lower Upper

93 100

95 80.0 68.1 102.1

174 98.9 80.9 121.3





#47

Bromodichloromethane

Concen: 20.396 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

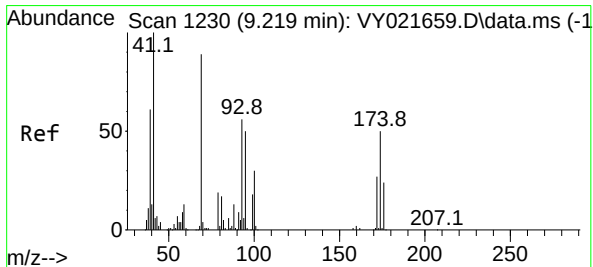
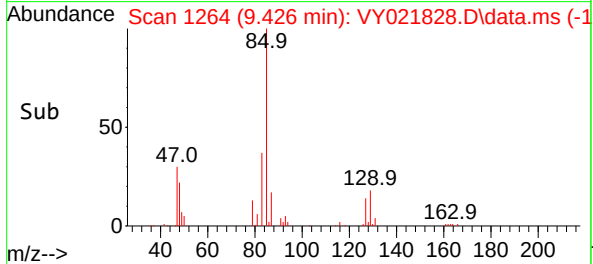
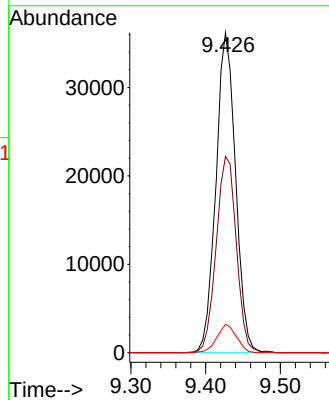
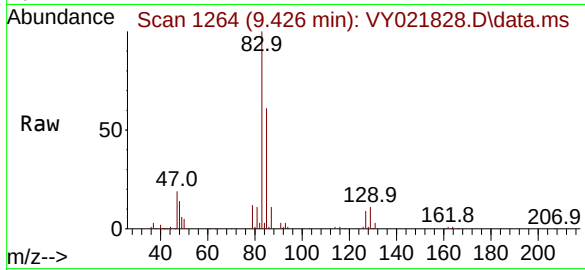
VY0410SBS01

Tgt Ion:	83	Resp:	6623
Ion Ratio	Lower	Upper	
83	100		
85	61.3	51.8	77.6
127	8.8	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#48

Methyl methacrylate

Concen: 17.994 ug/l

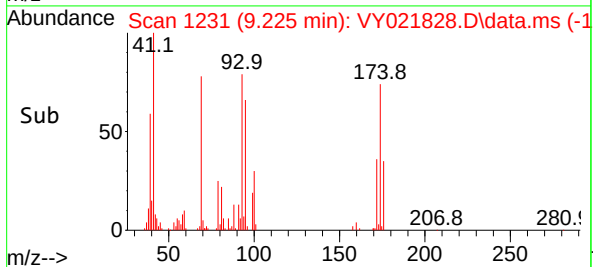
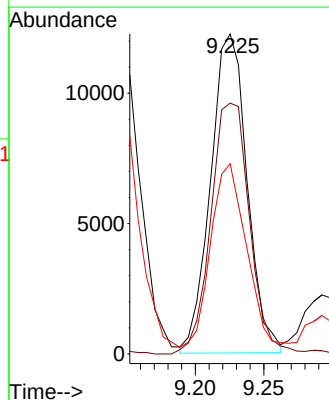
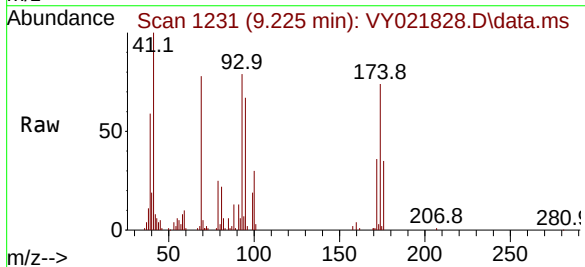
RT: 9.225 min Scan# 1231

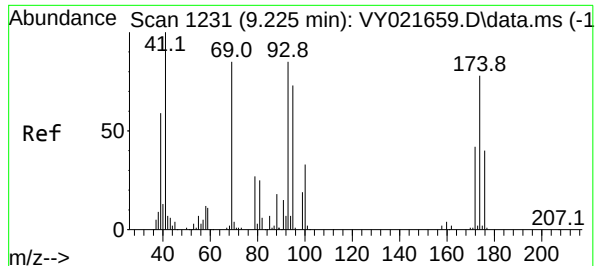
Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion:	41	Resp:	22658
Ion Ratio	Lower	Upper	
41	100		
69	83.4	69.8	104.8
39	56.6	47.2	70.8





#49

1,4-Dioxane

Concen: 354.991 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.018 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 88 Resp: 4760

Ion Ratio Lower Upper

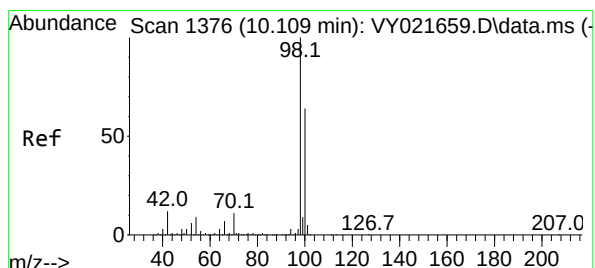
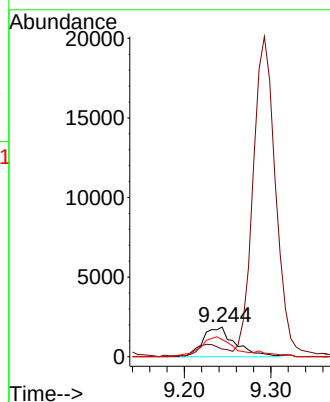
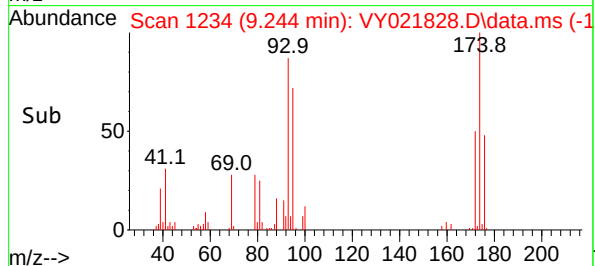
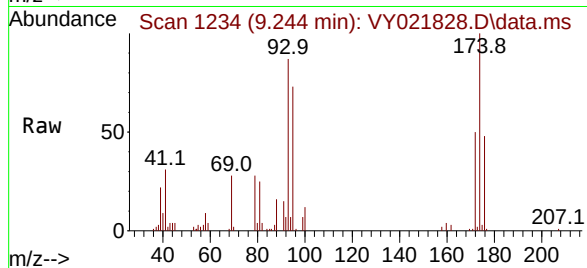
88 100

43 31.3 28.8 43.2

58 65.7 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#50

Toluene-d8

Concen: 54.310 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021828.D

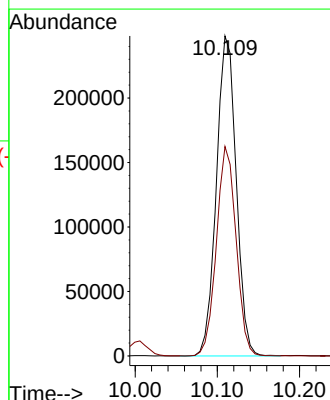
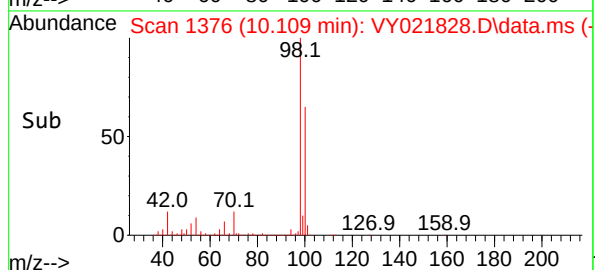
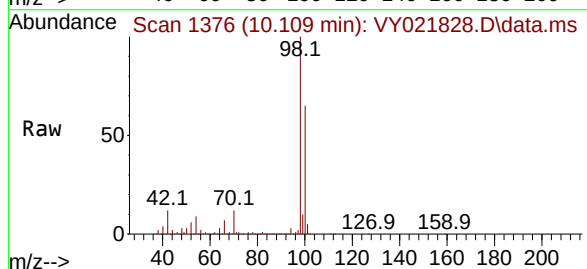
Acq: 10 Apr 2025 10:59

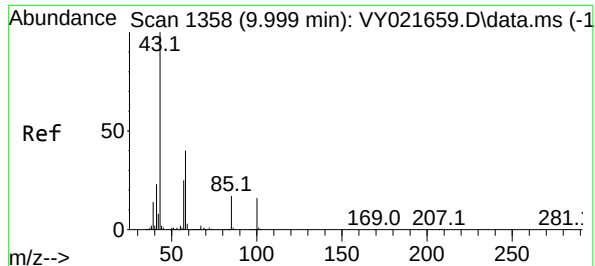
Tgt Ion: 98 Resp: 416120

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1





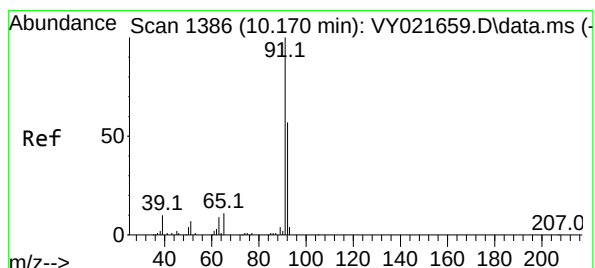
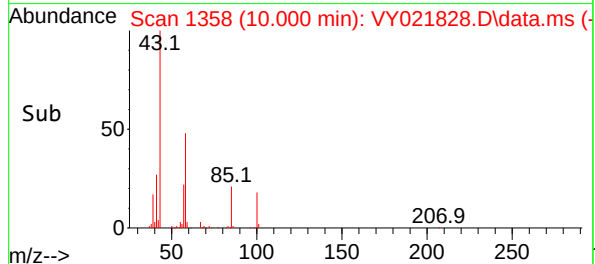
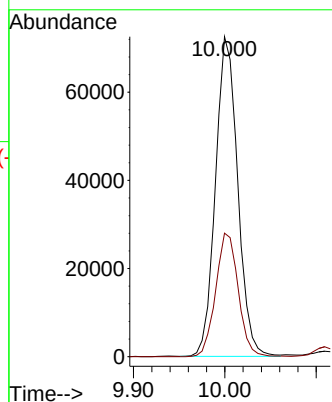
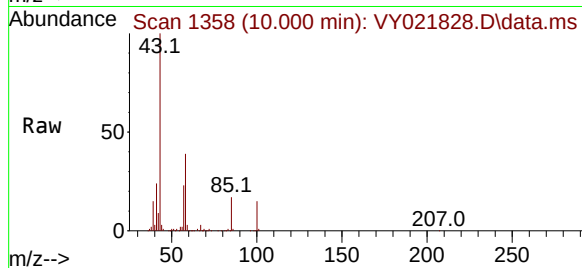
#51
4-Methyl-2-Pentanone
Concen: 85.840 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion: 43 Resp: 122558
Ion Ratio Lower Upper
43 100
58 39.3 31.5 47.3

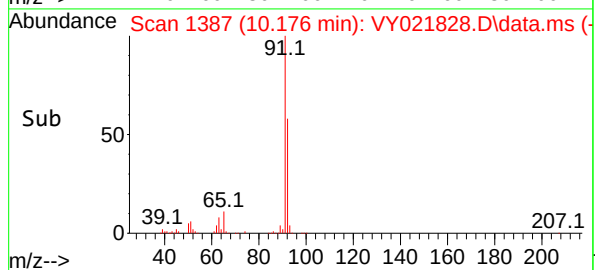
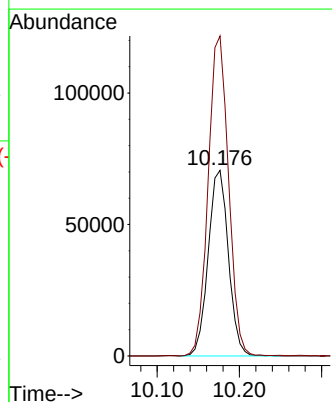
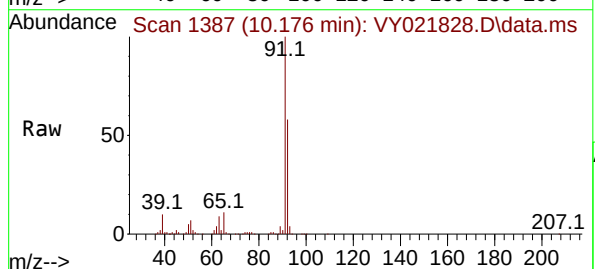
Manual Integrations
APPROVED

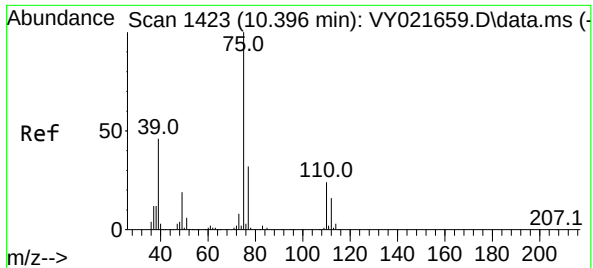
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#52
Toluene
Concen: 21.000 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 92 Resp: 120366
Ion Ratio Lower Upper
92 100
91 173.9 138.6 207.8





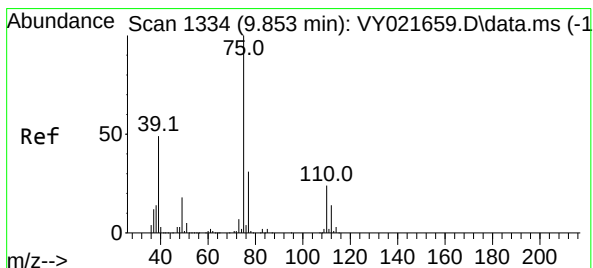
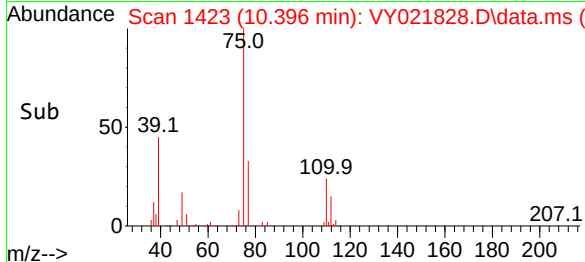
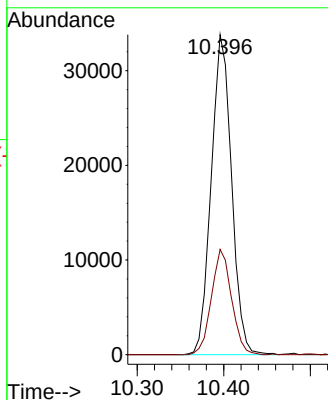
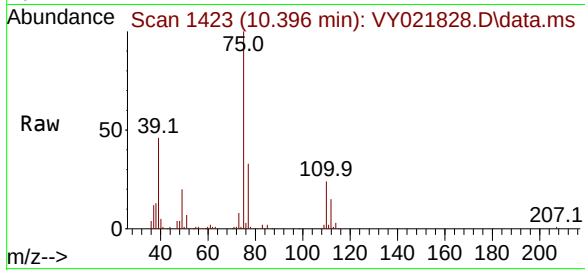
#53
t-1,3-Dichloropropene
Concen: 19.152 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion: 75 Resp: 5524
Ion Ratio Lower Upper
75 100
77 32.9 25.3 37.9

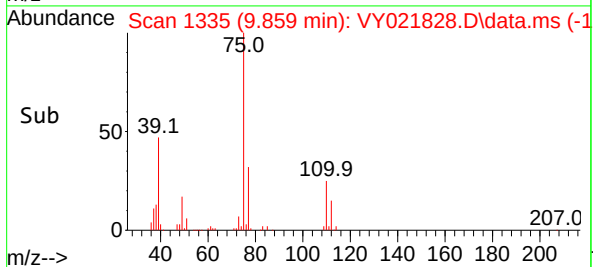
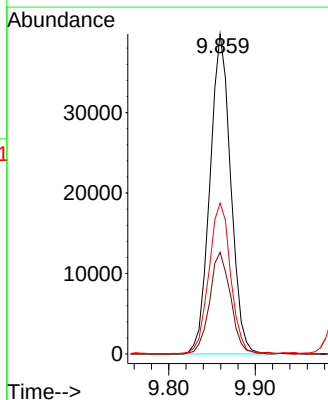
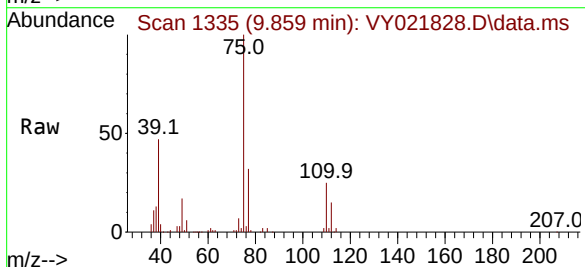
Manual Integrations
APPROVED

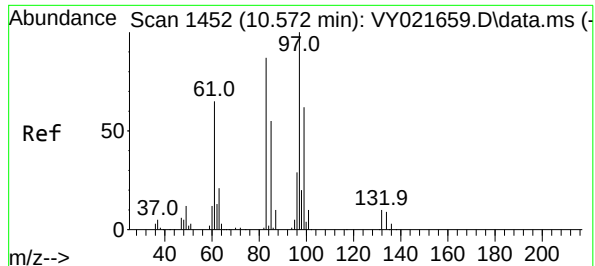
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#54
cis-1,3-Dichloropropene
Concen: 19.486 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 75 Resp: 66307
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3
39 47.0 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.982 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 97 Resp: 3222

Ion Ratio Lower Upper

97 100

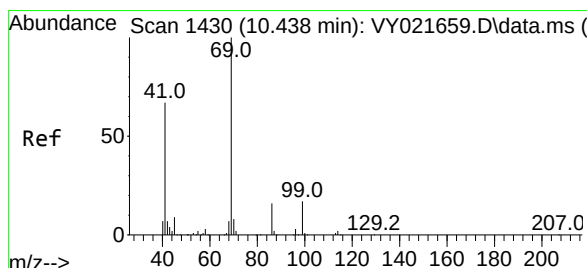
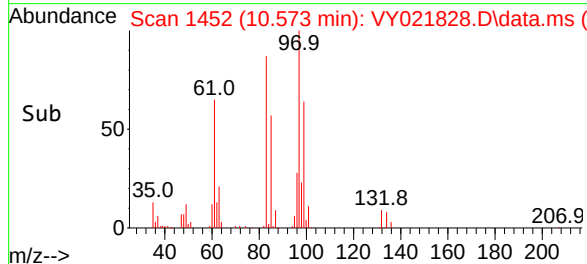
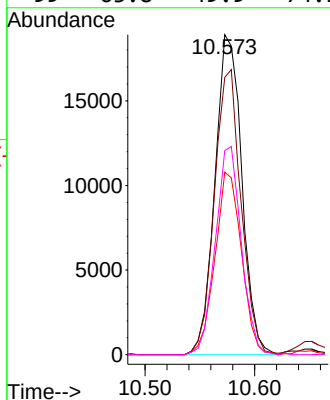
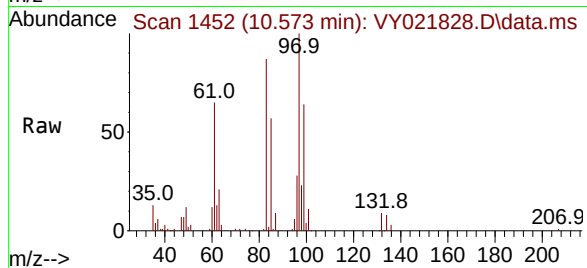
83 86.7 69.5 104.3

85 57.0 43.9 65.9

99 63.8 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#56

Ethyl methacrylate

Concen: 18.026 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

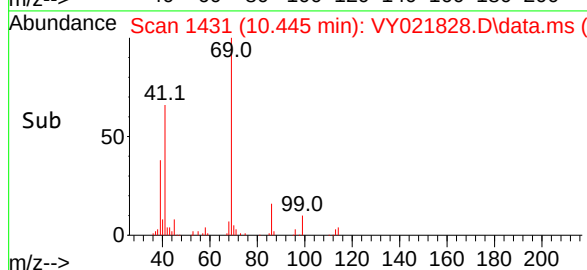
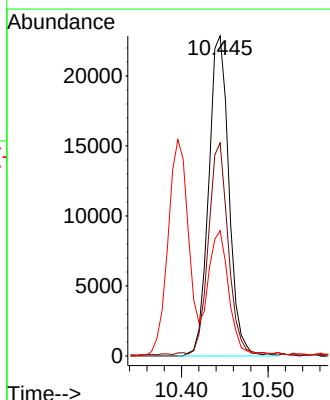
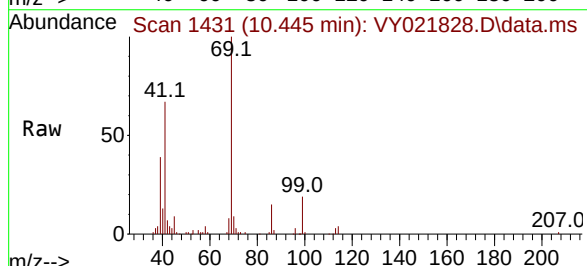
Tgt Ion: 69 Resp: 37122

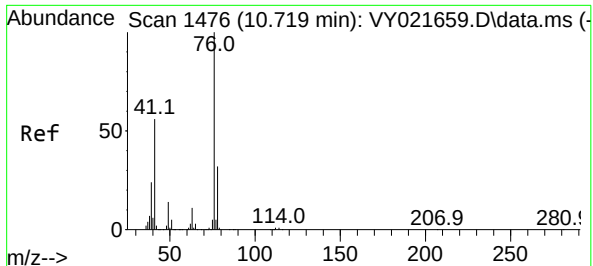
Ion Ratio Lower Upper

69 100

41 67.6 53.8 80.6

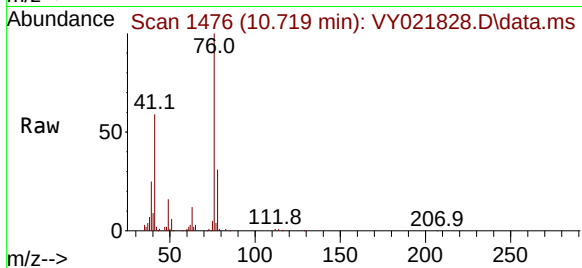
39 39.7 29.6 44.4





#57
1,3-Dichloropropane
Concen: 19.997 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

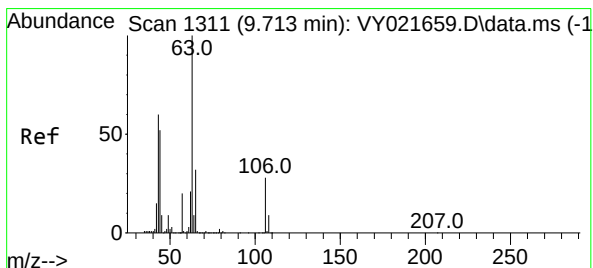
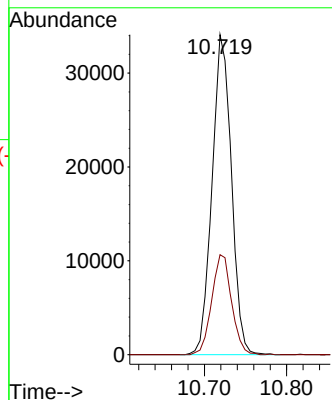
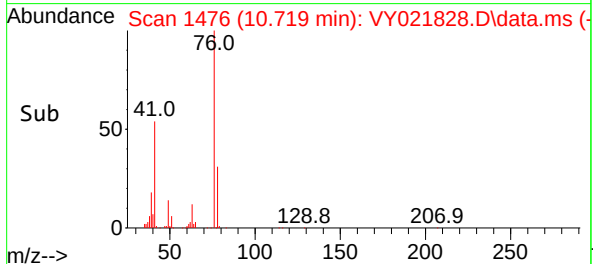
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 76 Resp: 5570
Ion Ratio Lower Upper
76 100
78 32.0 25.8 38.8

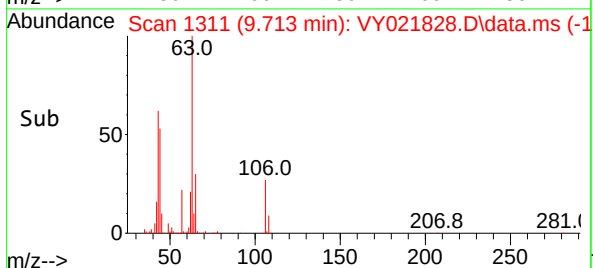
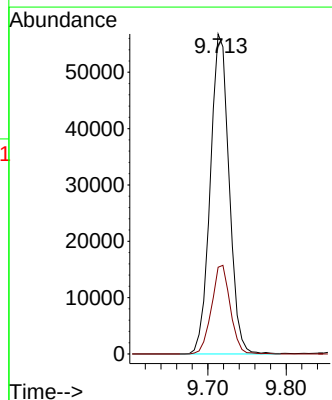
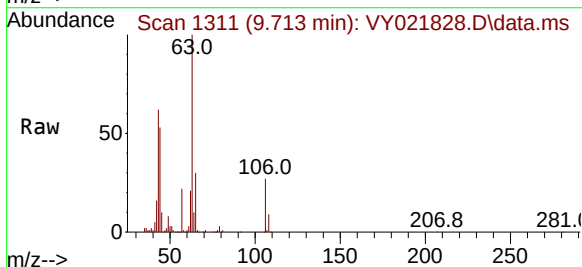
Manual Integrations
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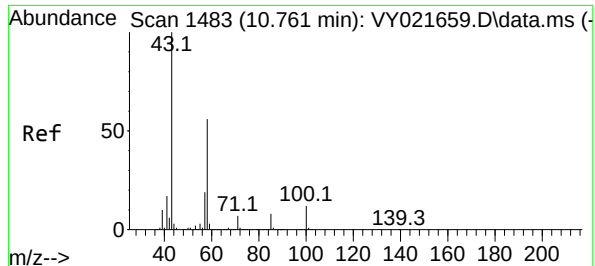
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#58
2-Chloroethyl Vinyl ether
Concen: 94.305 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 63 Resp: 94741
Ion Ratio Lower Upper
63 100
106 27.5 22.4 33.6





#59

2-Hexanone

Concen: 86.409 ug/l

RT: 10.768 min Scan# 1483

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 82164

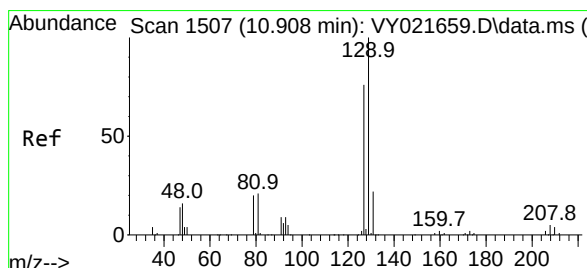
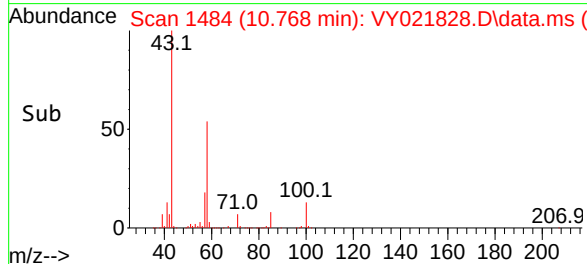
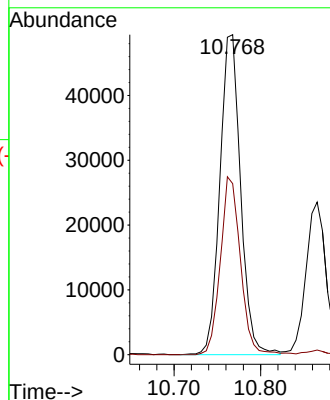
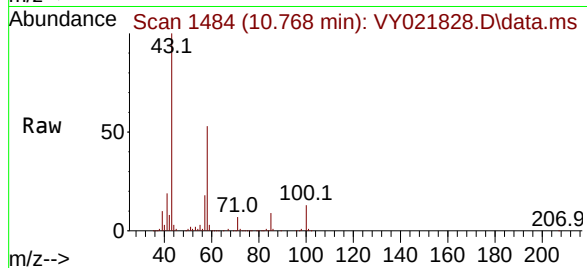
Ion Ratio Lower Upper

43 100

58 53.9 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#60

Dibromochloromethane

Concen: 20.098 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021828.D

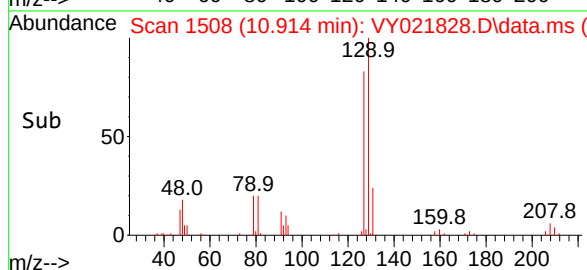
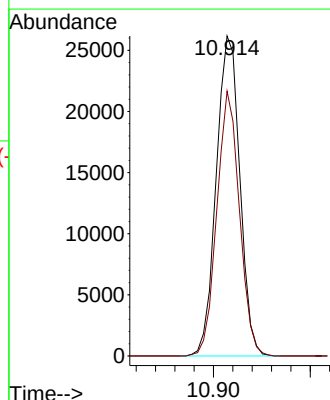
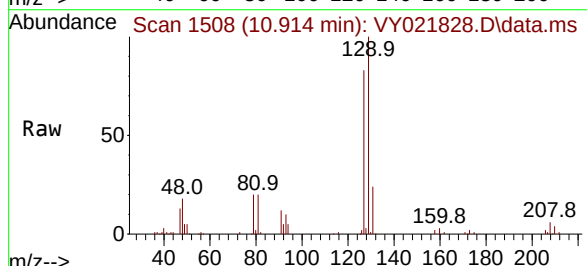
Acq: 10 Apr 2025 10:59

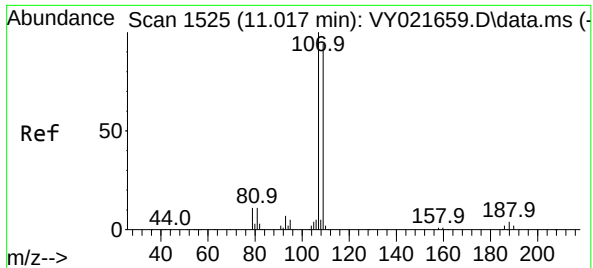
Tgt Ion:129 Resp: 44255

Ion Ratio Lower Upper

129 100

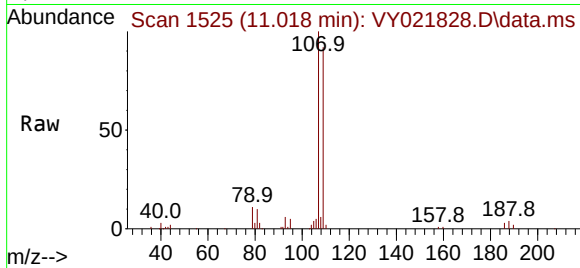
127 79.3 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.042 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

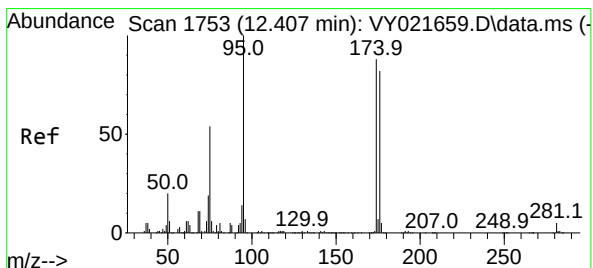
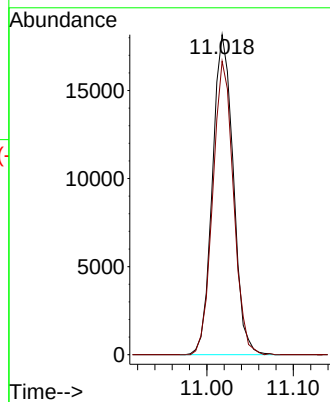
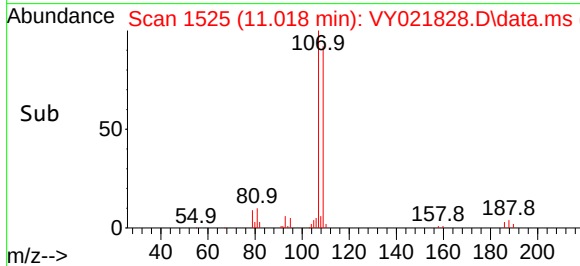
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion:107 Resp: 3032
Ion Ratio Lower Upper
107 100
109 91.2 74.4 111.6

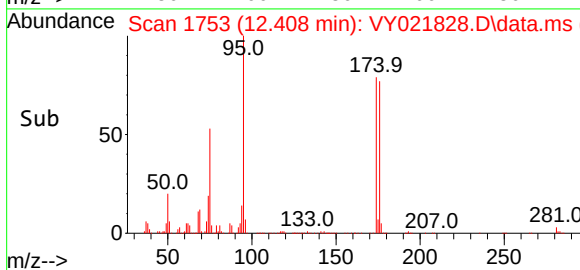
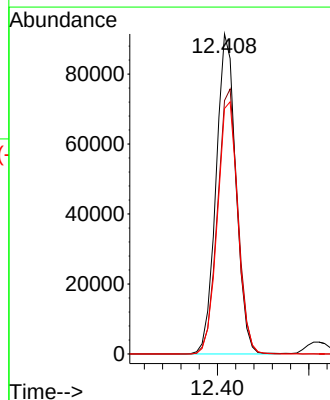
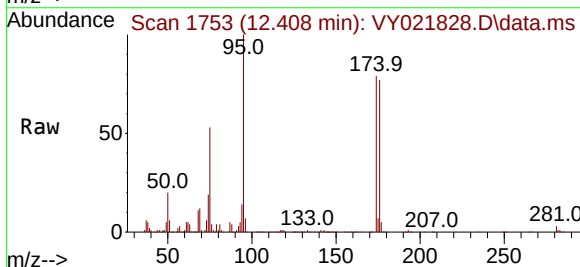
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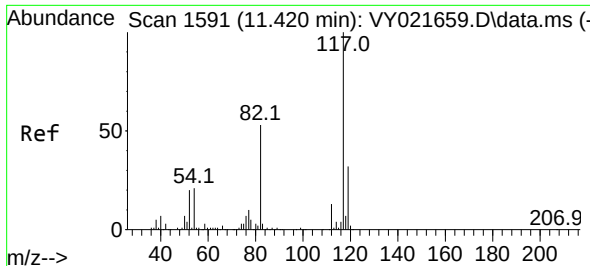
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#62
4-Bromofluorobenzene
Concen: 53.273 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

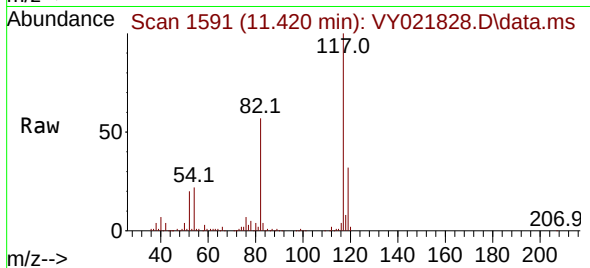
Tgt Ion: 95 Resp: 138064
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 81.3 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

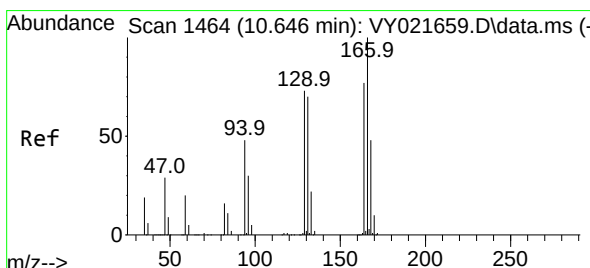
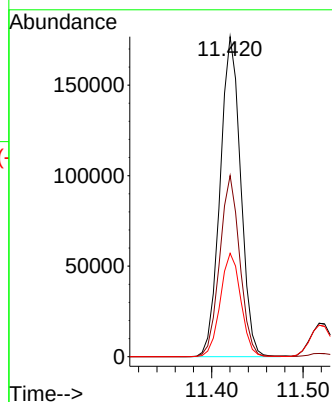
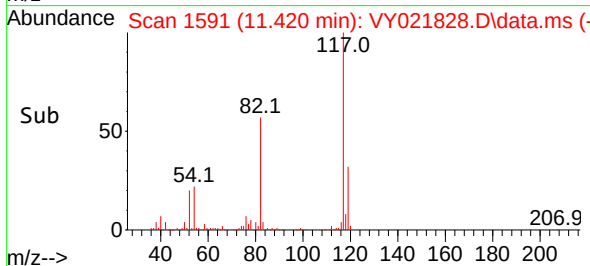
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion:117 Resp: 27630
Ion Ratio Lower Upper
117 100
82 56.6 42.8 64.2
119 32.3 25.7 38.5

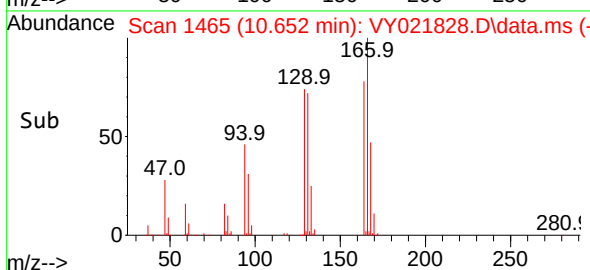
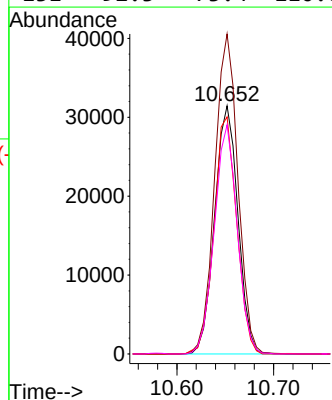
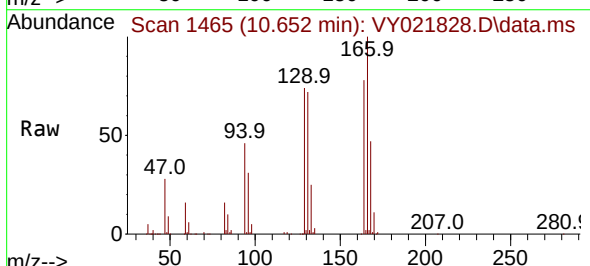
Manual Integrations
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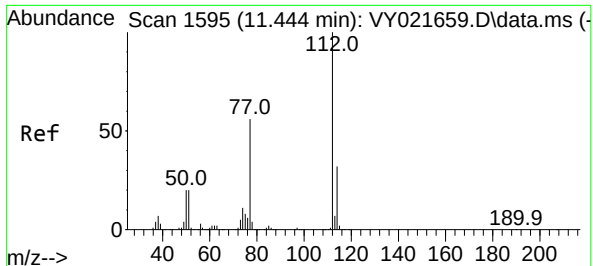
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#64
Tetrachloroethene
Concen: 20.895 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion:164 Resp: 52581
Ion Ratio Lower Upper
164 100
166 128.9 104.6 156.8
129 95.5 76.6 114.8
131 92.3 73.4 110.0





#65

Chlorobenzene

Concen: 20.562 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:112 Resp: 130234

Ion Ratio Lower Upper

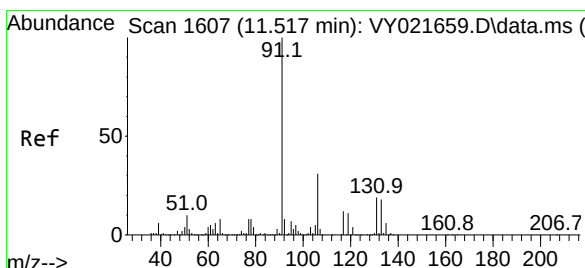
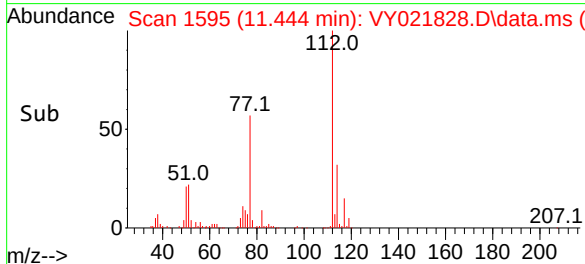
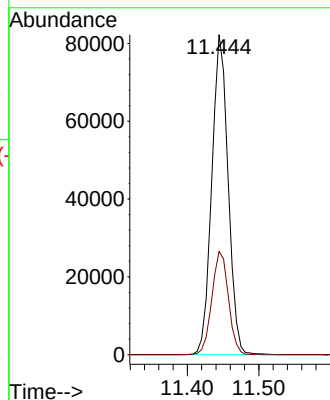
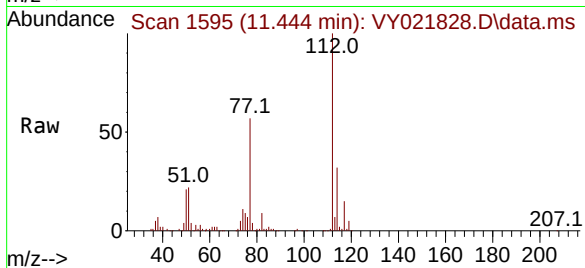
112 100

114 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.700 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

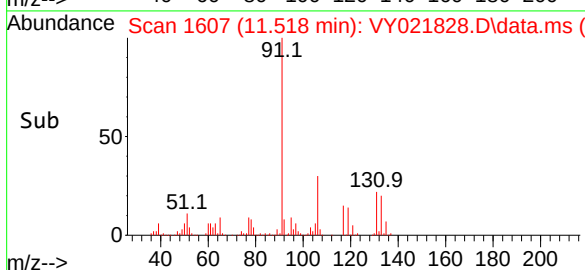
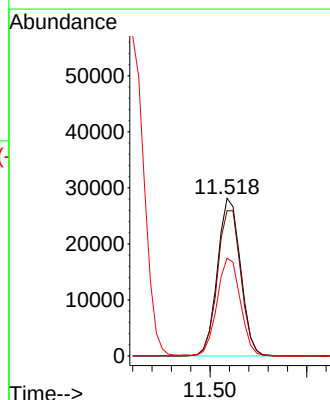
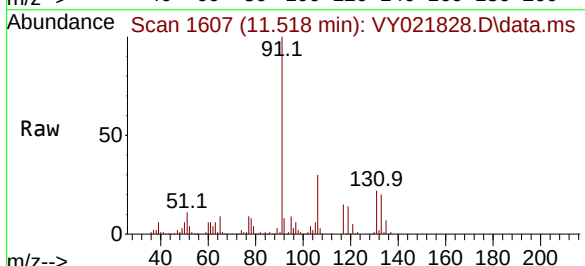
Tgt Ion:131 Resp: 46518

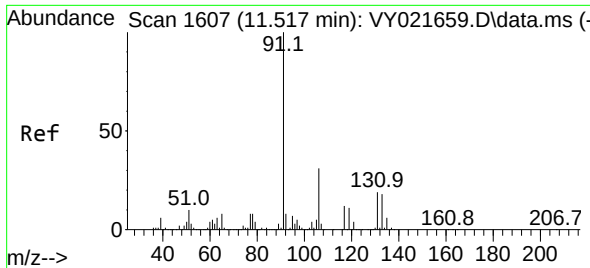
Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.8

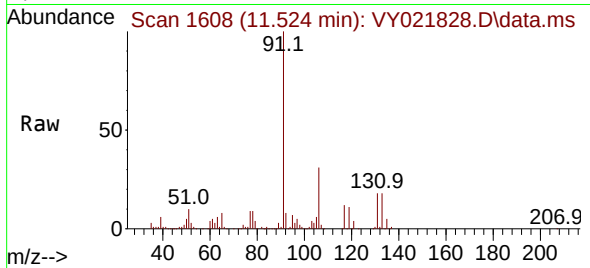
119 62.7 31.6 95.0





#67
Ethyl Benzene
Concen: 20.498 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

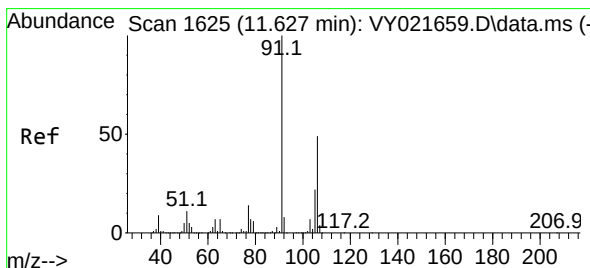
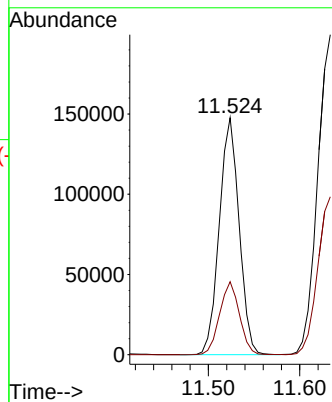
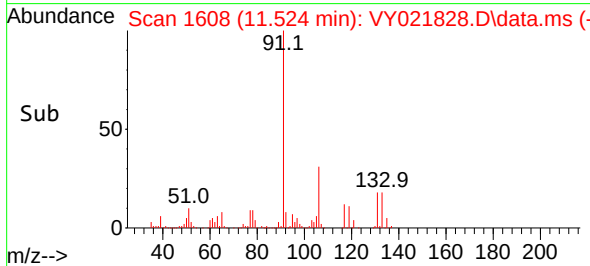
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 91 Resp: 222629
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

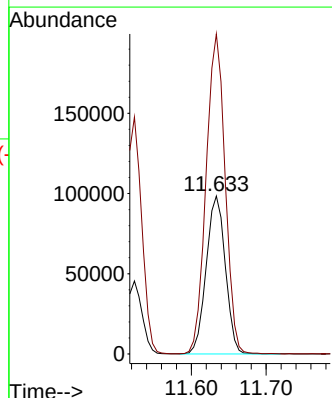
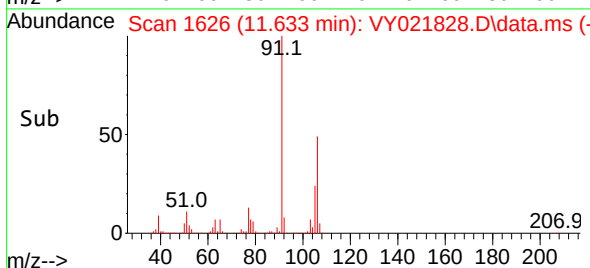
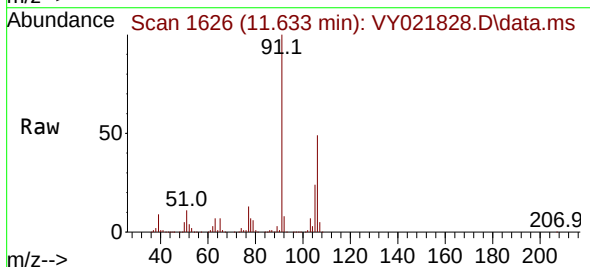
Manual Integrations
APPROVED

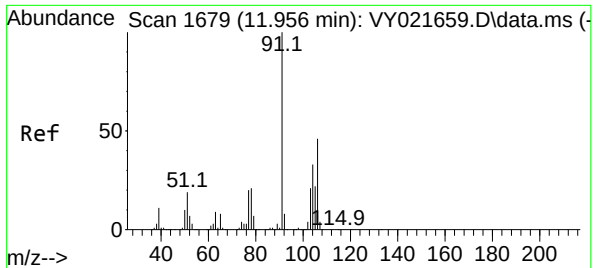
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#68
m/p-Xylenes
Concen: 42.050 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion:106 Resp: 174884
Ion Ratio Lower Upper
106 100
91 201.7 162.4 243.6





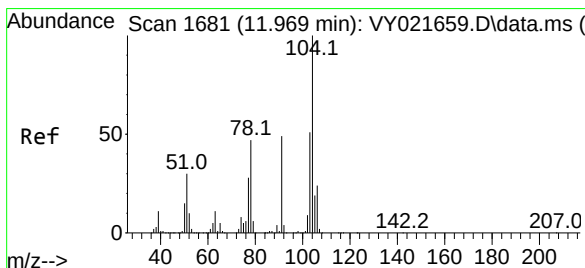
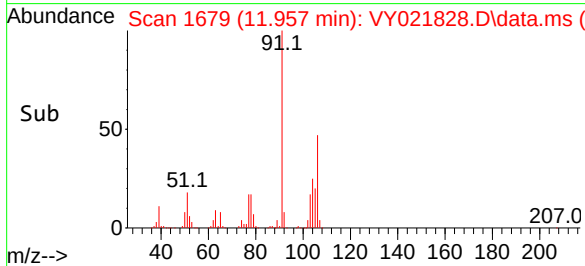
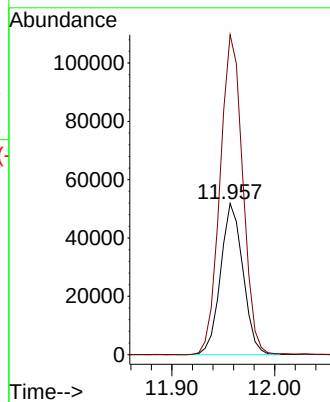
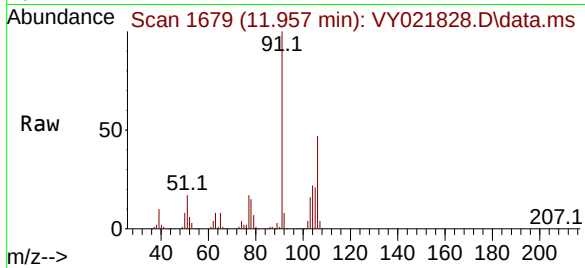
#69
o-Xylene
Concen: 20.417 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:106 Resp: 7838
Ion Ratio Lower Upper
106 100
91 215.3 106.7 319.9

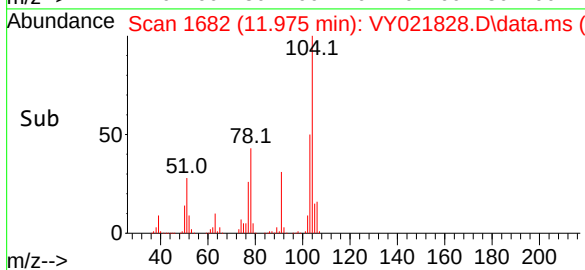
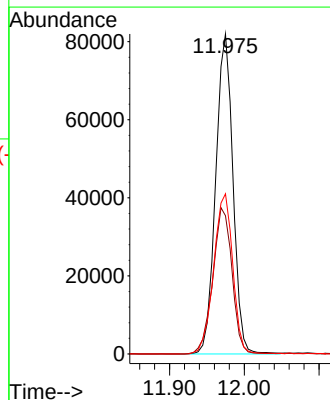
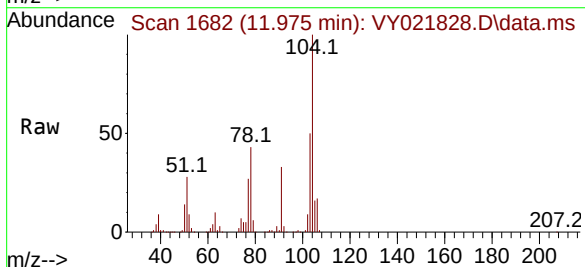
Manual Integrations
APPROVED

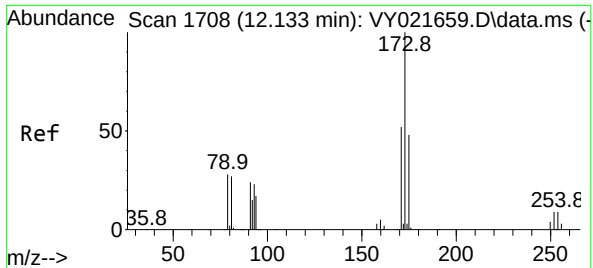
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#70
Styrene
Concen: 20.514 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

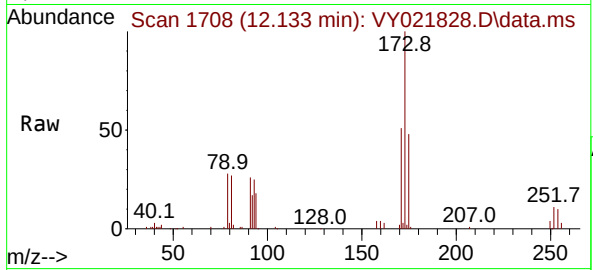
Tgt Ion:104 Resp: 131308
Ion Ratio Lower Upper
104 100
78 50.8 40.8 61.2
103 55.5 44.2 66.2





#71
Bromoform
Concen: 19.469 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

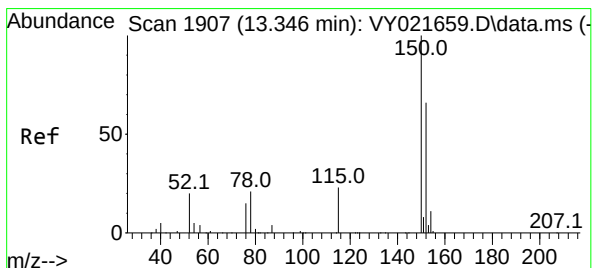
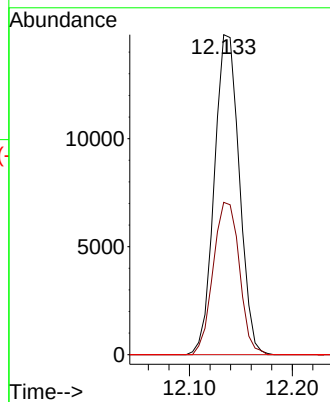
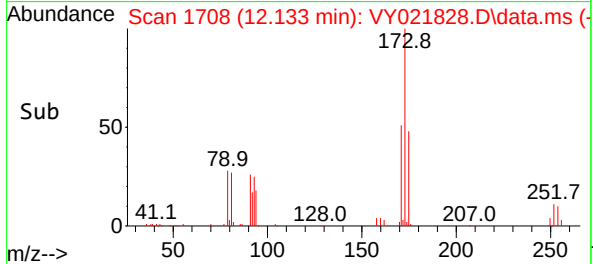
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



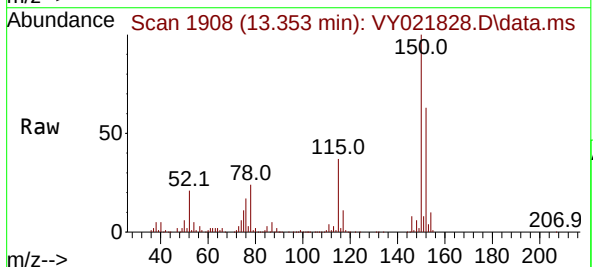
Tgt Ion:173 Resp: 24950
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

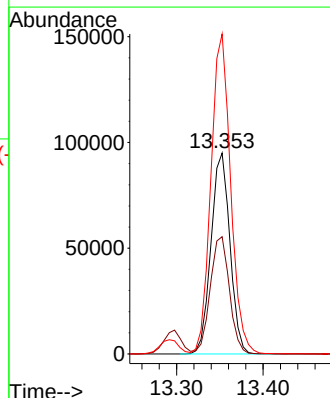
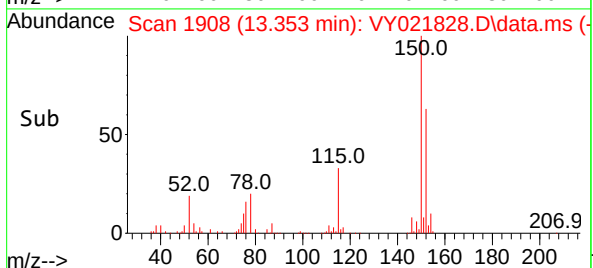
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

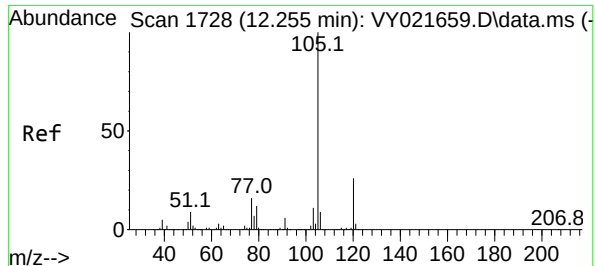


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59



Tgt Ion:152 Resp: 144045
Ion Ratio Lower Upper
152 100
115 59.5 28.8 86.5
150 166.1 0.0 348.4





#73

Isopropylbenzene

Concen: 19.744 ug/l

RT: 12.261 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:105 Resp: 21123

Ion Ratio Lower Upper

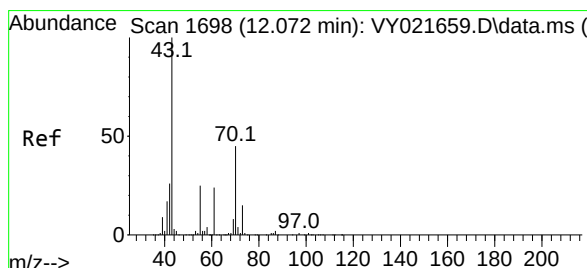
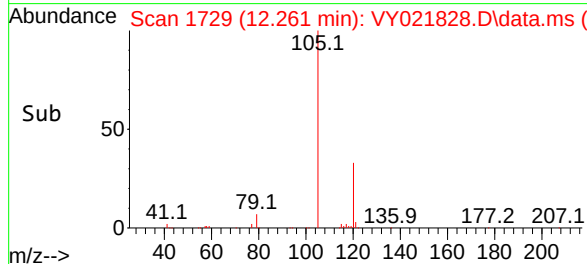
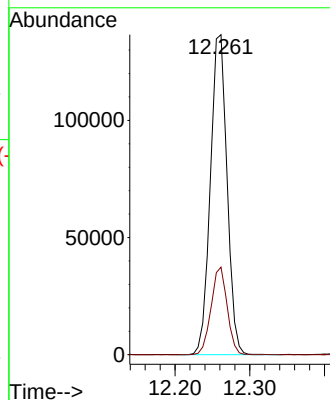
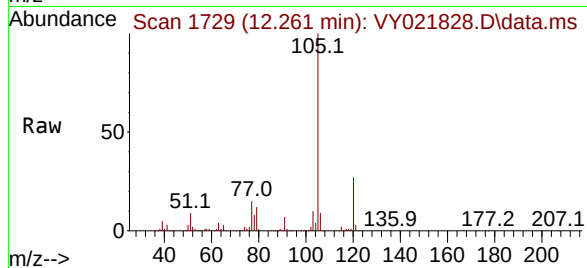
105 100

120 26.3 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#74

N-ethyl acetate

Concen: 16.915 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Tgt Ion: 43 Resp: 42471

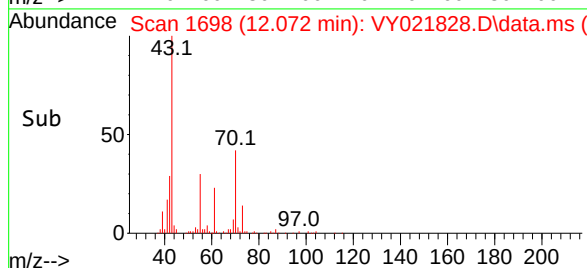
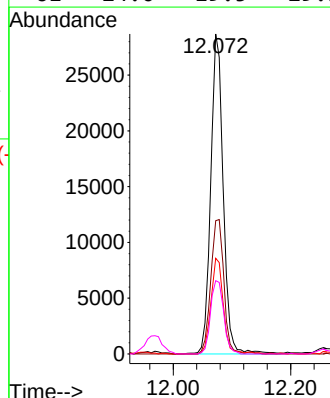
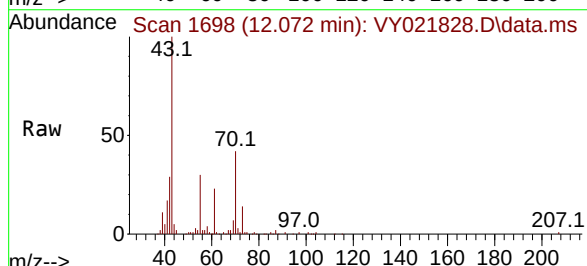
Ion Ratio Lower Upper

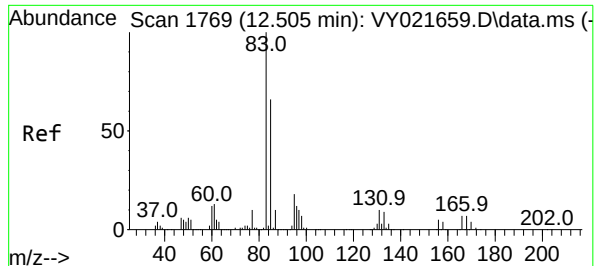
43 100

70 43.6 34.7 52.1

55 29.8 21.2 31.8

61 24.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.155 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

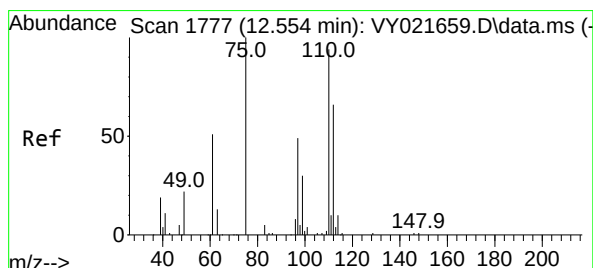
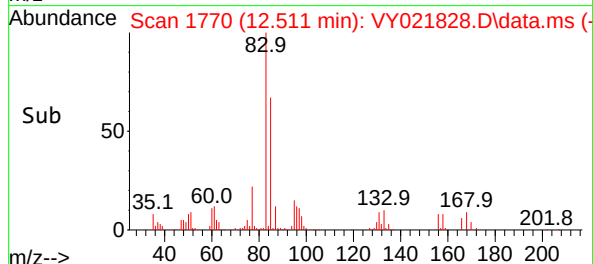
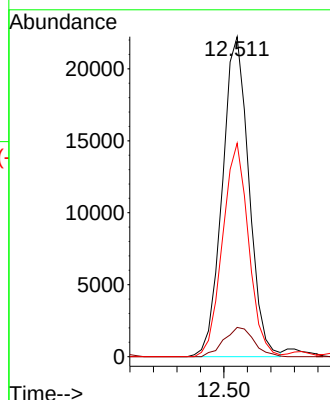
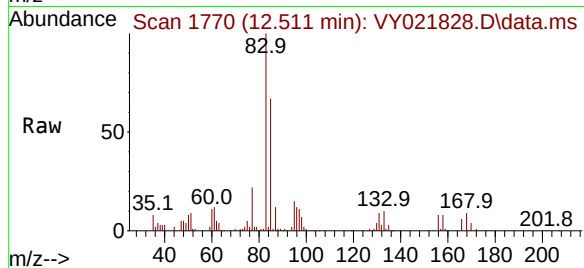
VY0410SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	65.3	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#76

1,2,3-Trichloropropane

Concen: 20.299 ug/l m

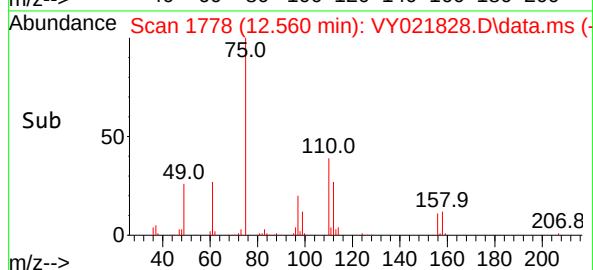
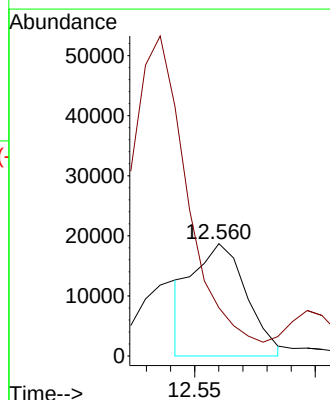
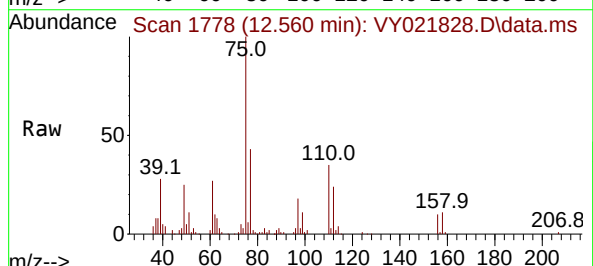
RT: 12.560 min Scan# 1778

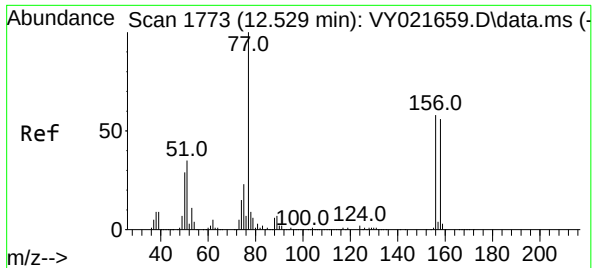
Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

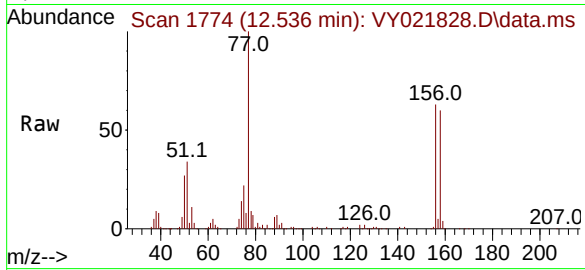
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.766 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

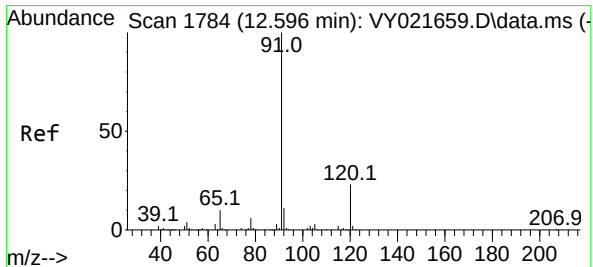
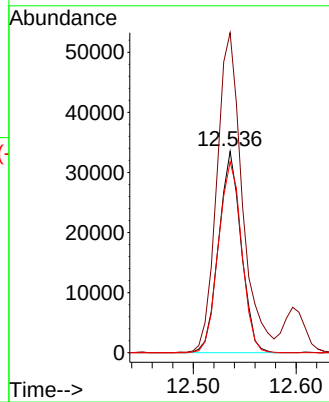
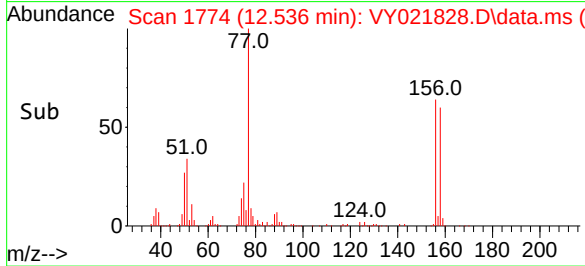
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



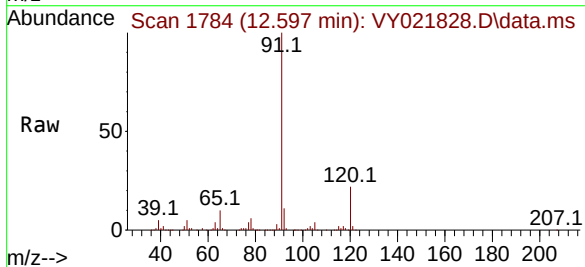
Tgt Ion: 156 Resp: 50774
Ion Ratio Lower Upper
156 100
77 180.3 92.8 278.3
158 97.9 48.5 145.6

Manual Integrations
APPROVED

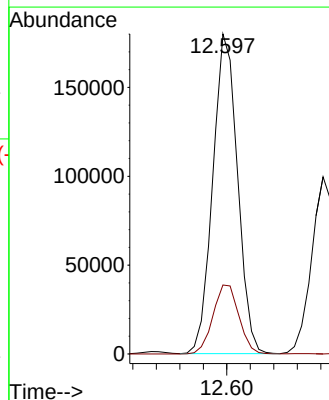
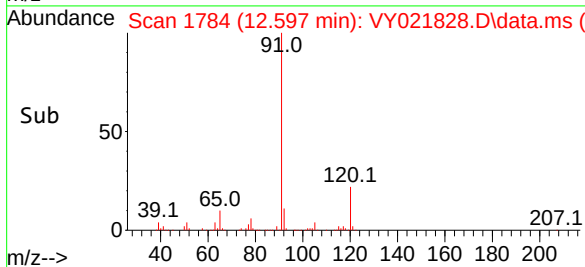
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

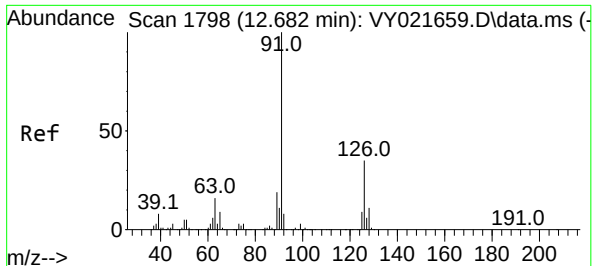


#78
n-propylbenzene
Concen: 20.456 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59



Tgt Ion: 91 Resp: 263112
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 20.159 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 91 Resp: 15060

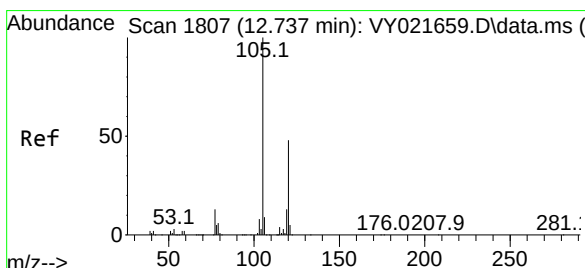
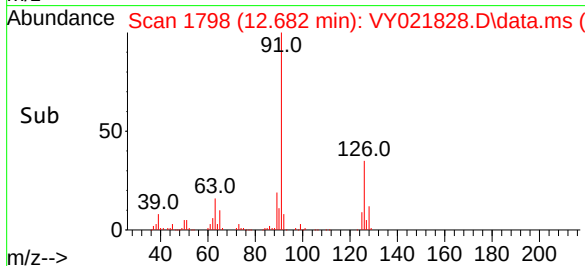
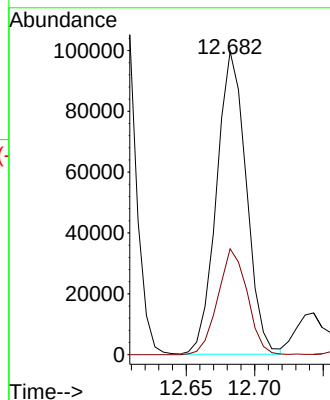
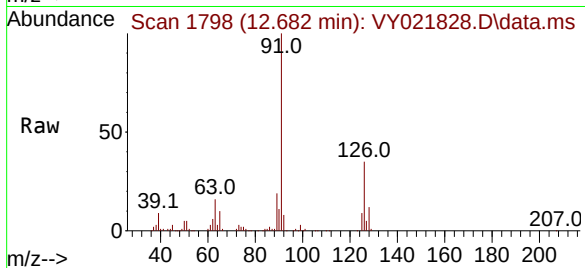
Ion Ratio Lower Upper

91 100

126 34.5 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#80

1,3,5-Trimethylbenzene

Concen: 20.143 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY021828.D

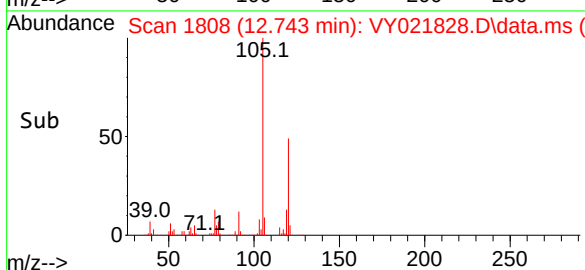
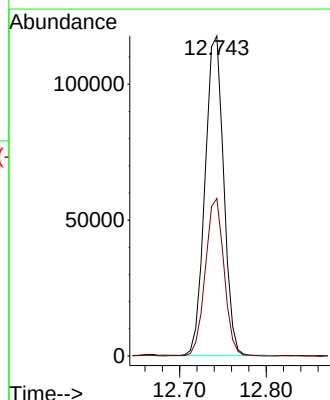
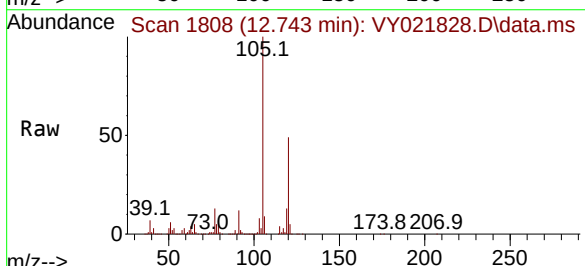
Acq: 10 Apr 2025 10:59

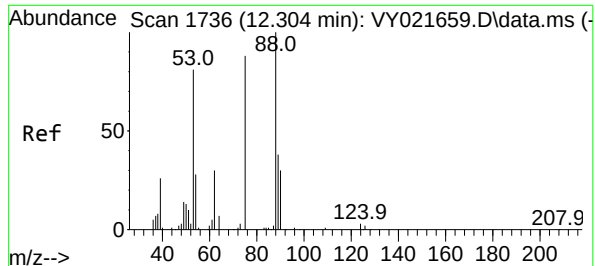
Tgt Ion:105 Resp: 176133

Ion Ratio Lower Upper

105 100

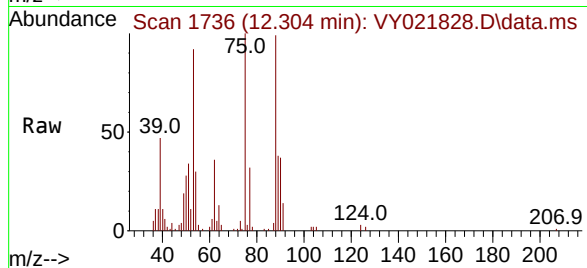
120 49.5 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 16.329 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

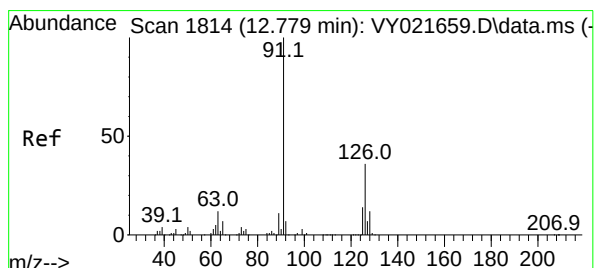
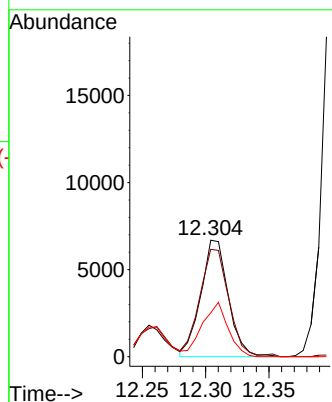
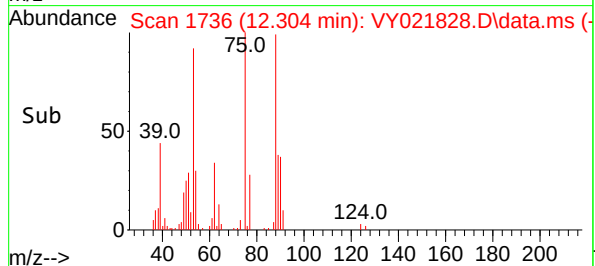
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 75 Resp: 10119
Ion Ratio Lower Upper
75 100
53 97.9 76.1 114.1
89 44.2 36.2 54.4

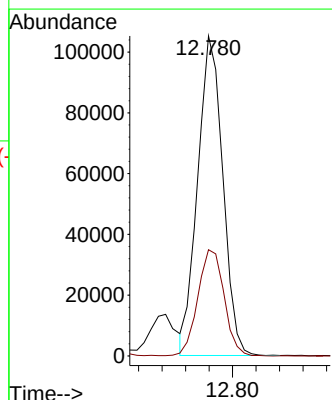
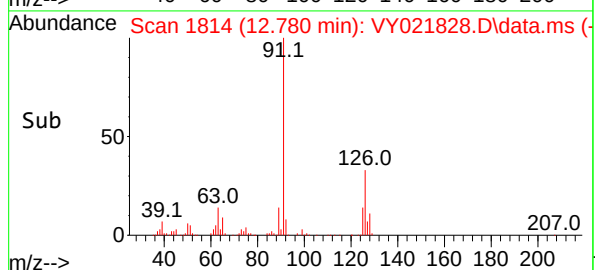
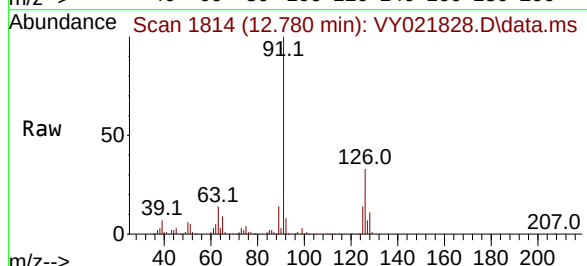
Manual Integrations
APPROVED

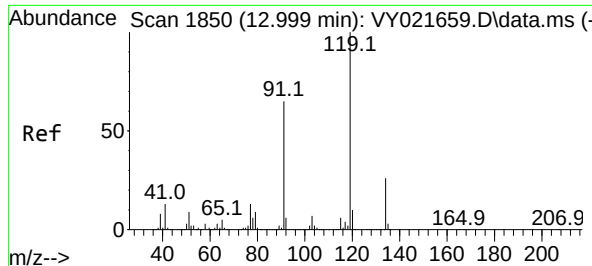
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#82
4-Chlorotoluene
Concen: 20.062 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Tgt Ion: 91 Resp: 156256
Ion Ratio Lower Upper
91 100
126 34.8 17.0 50.9





#83

tert-Butylbenzene

Concen: 19.425 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:119 Resp: 151289

Ion Ratio Lower Upper

119 100

91 67.3 32.6 97.7

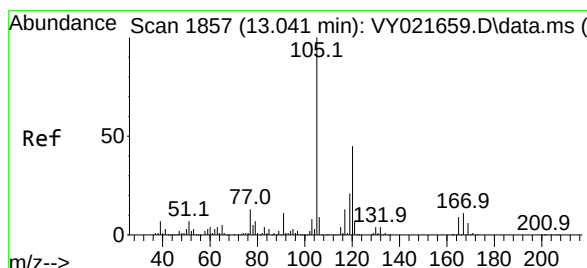
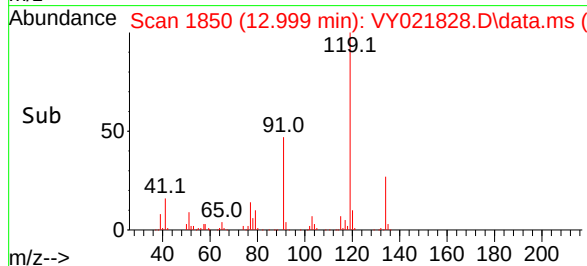
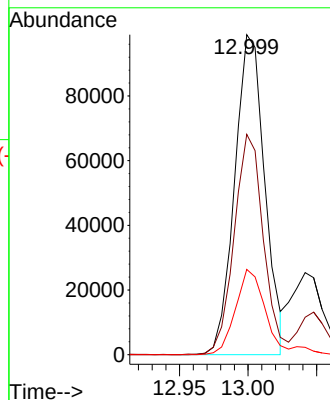
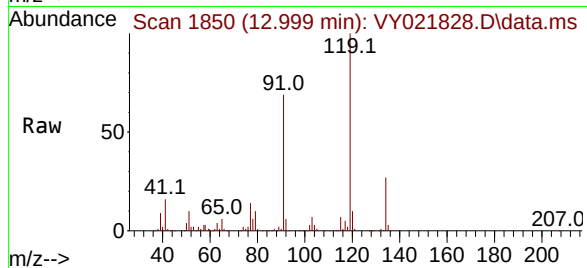
134 27.5 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.670 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY021828.D

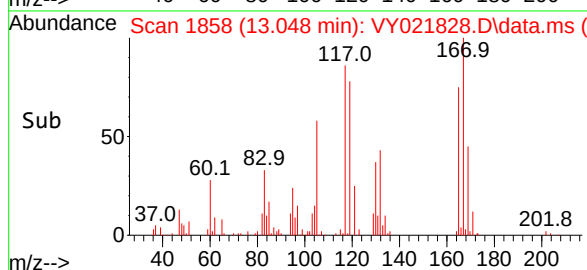
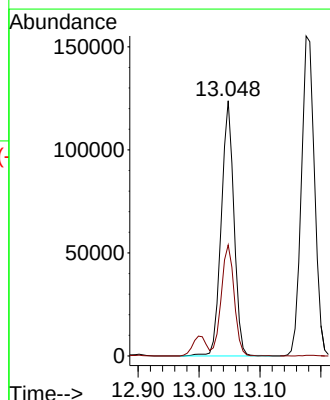
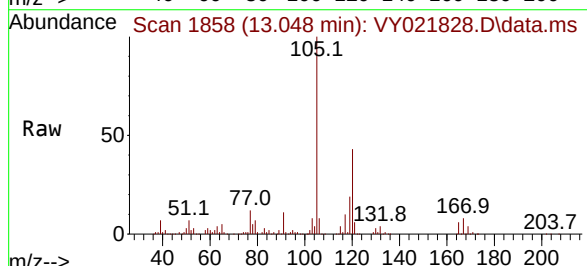
Acq: 10 Apr 2025 10:59

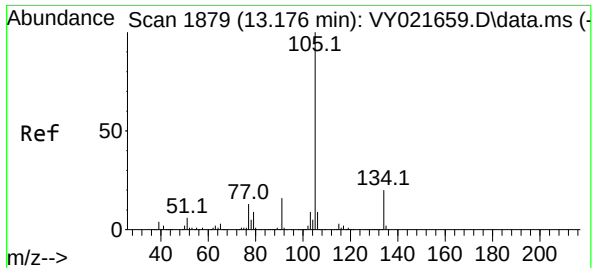
Tgt Ion:105 Resp: 178636

Ion Ratio Lower Upper

105 100

120 44.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.471 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:105 Resp: 23300

Ion Ratio Lower Upper

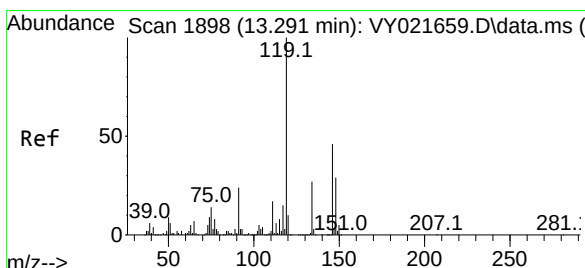
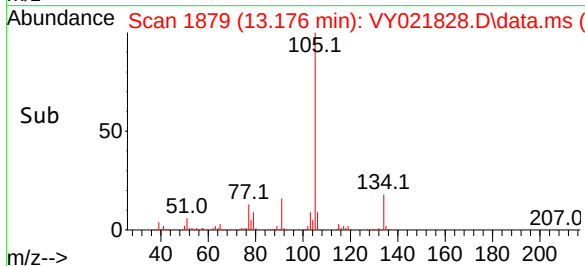
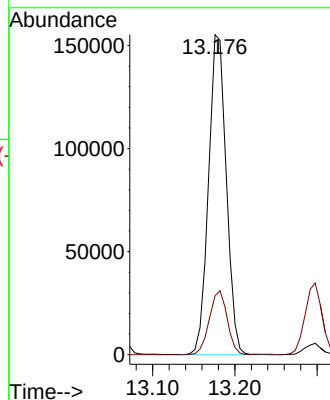
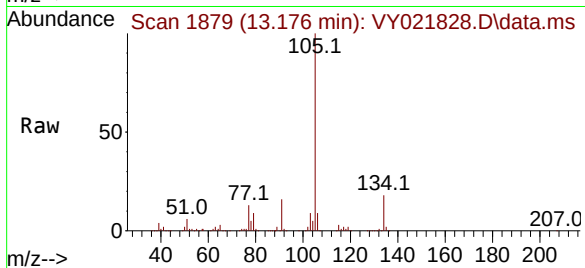
105 100

134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#86

p-Isopropyltoluene

Concen: 20.499 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

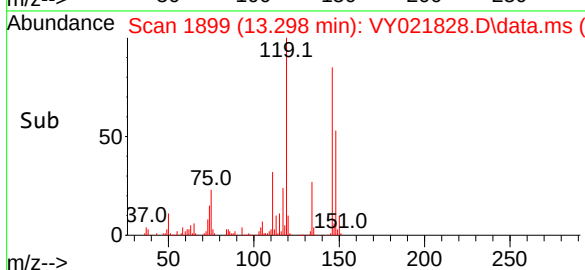
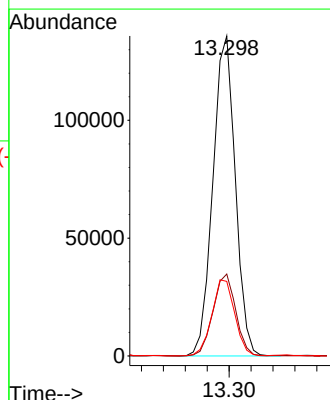
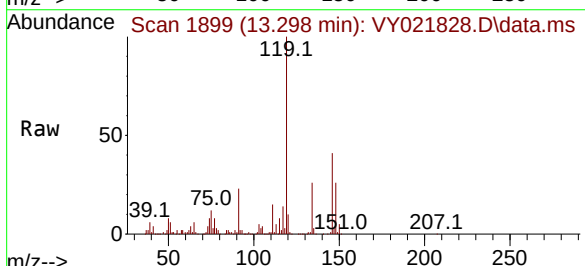
Tgt Ion:119 Resp: 192832

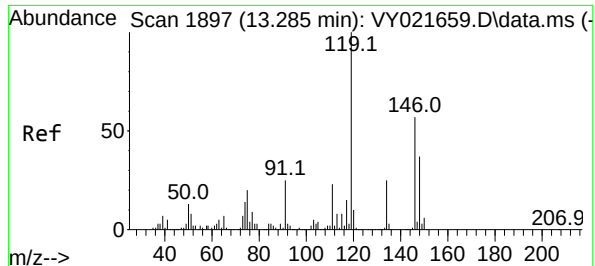
Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

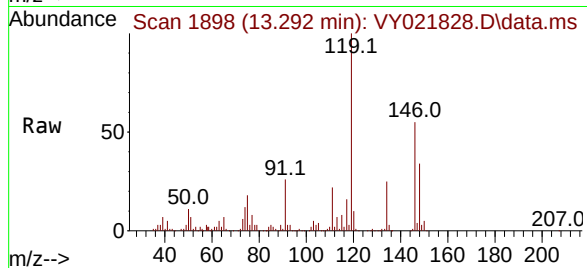
91 24.2 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 20.569 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

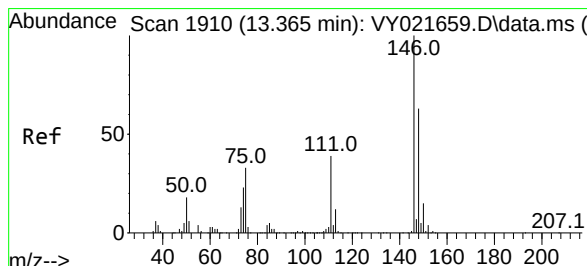
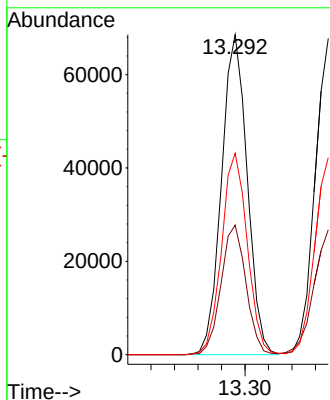
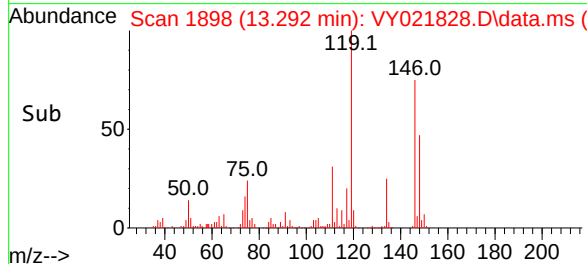
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



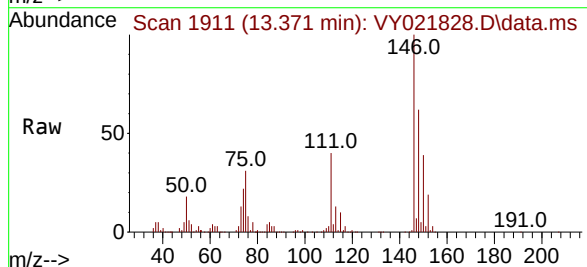
Tgt Ion:146 Resp: 10410
Ion Ratio Lower Upper
146 100
111 39.5 20.0 60.0
148 63.0 31.8 95.4

Manual Integrations
APPROVED

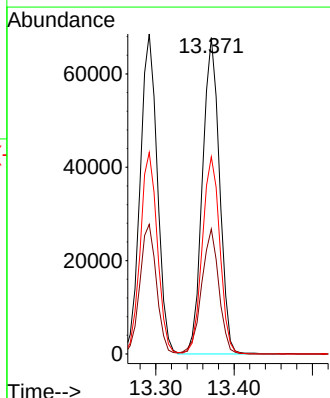
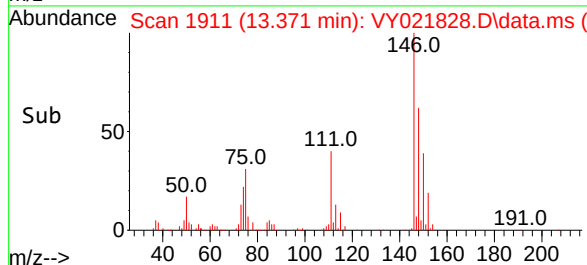
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

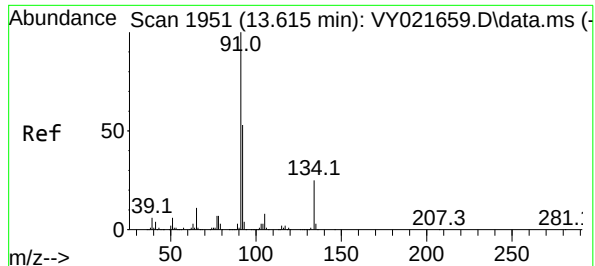


#88
1,4-Dichlorobenzene
Concen: 20.468 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59



Tgt Ion:146 Resp: 102343
Ion Ratio Lower Upper
146 100
111 40.0 19.1 57.1
148 64.0 31.5 94.5





#89

n-Butylbenzene

Concen: 20.446 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 91 Resp: 177878

Ion Ratio Lower Upper

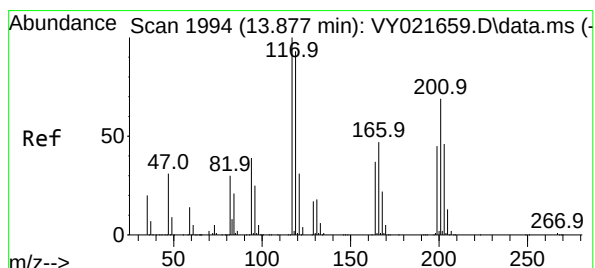
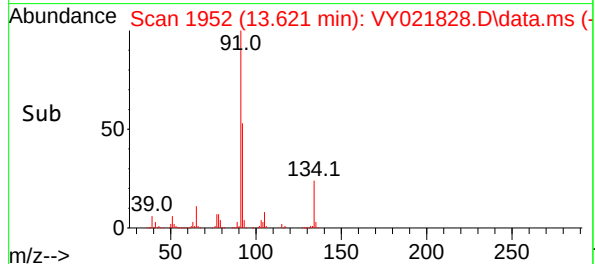
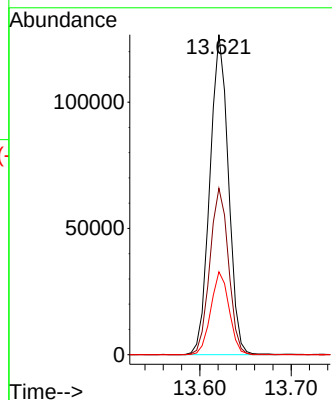
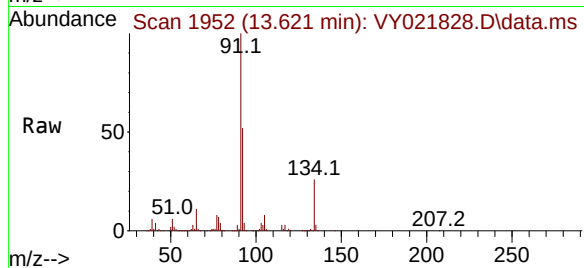
91 100

92 52.4 26.4 79.2

134 25.6 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#90

Hexachloroethane

Concen: 20.281 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021828.D

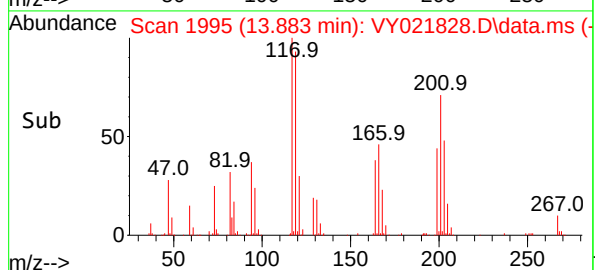
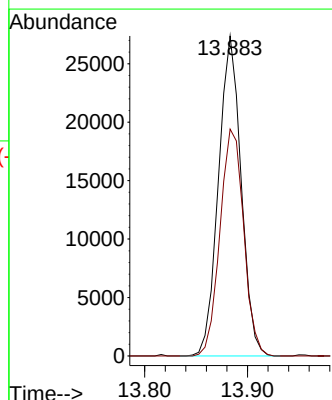
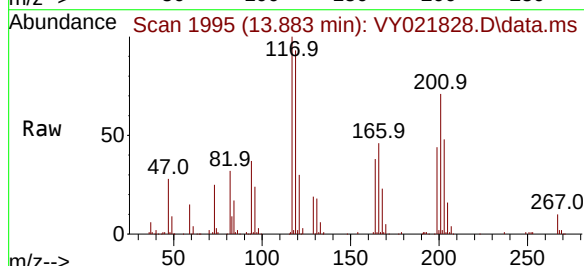
Acq: 10 Apr 2025 10:59

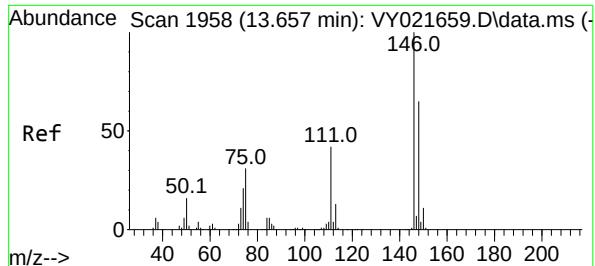
Tgt Ion:117 Resp: 41809

Ion Ratio Lower Upper

117 100

201 74.2 37.4 112.1





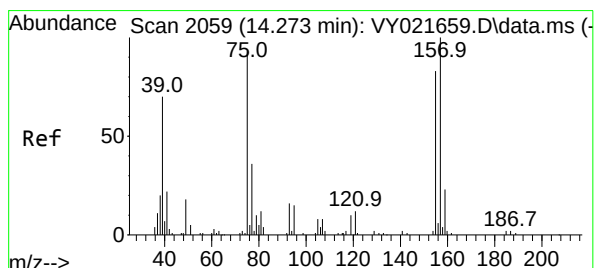
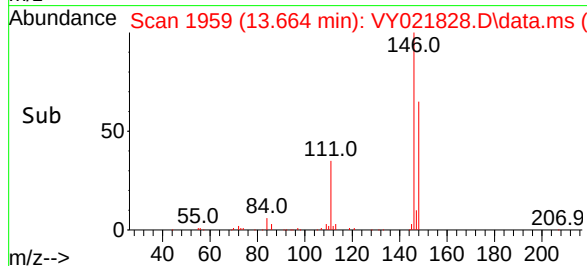
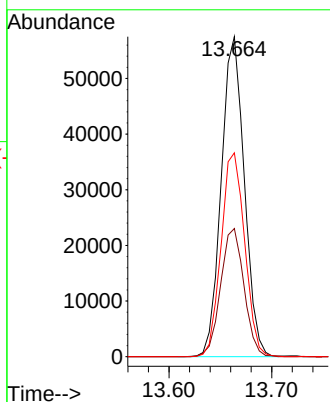
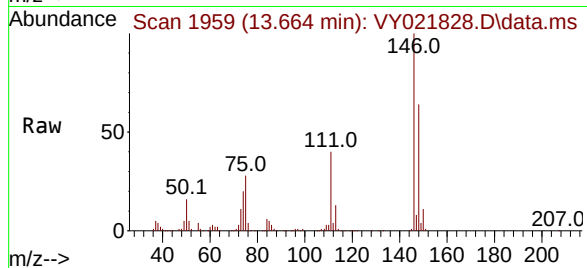
#91
1,2-Dichlorobenzene
Concen: 20.328 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:146 Resp: 8955
Ion Ratio Lower Upper
146 100
111 40.6 20.7 62.1
148 65.2 32.3 96.9

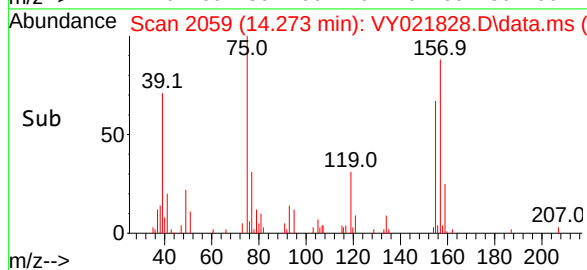
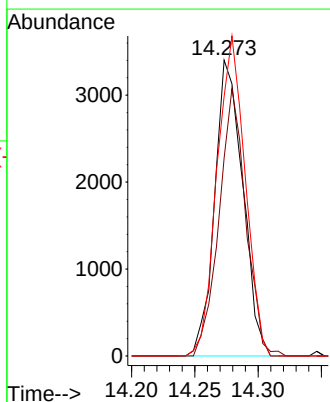
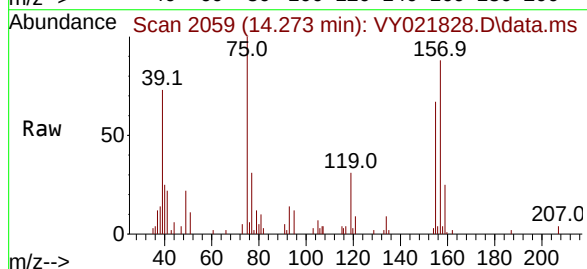
Manual Integrations
APPROVED

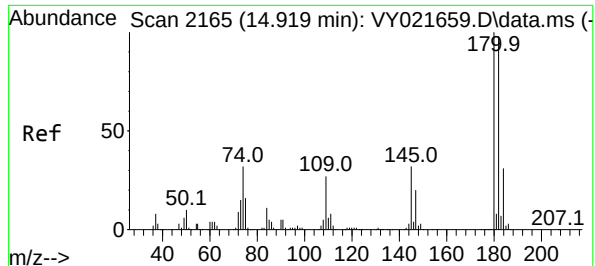
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.613 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

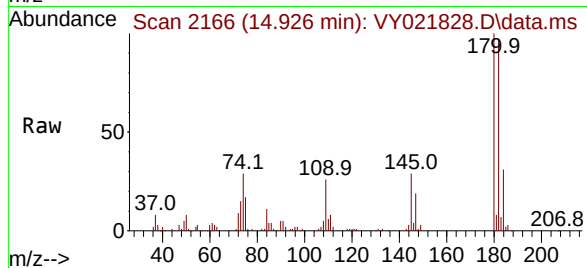
Tgt Ion: 75 Resp: 5251
Ion Ratio Lower Upper
75 100
155 85.9 43.0 128.8
157 108.4 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 20.077 ug/l
RT: 14.926 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59

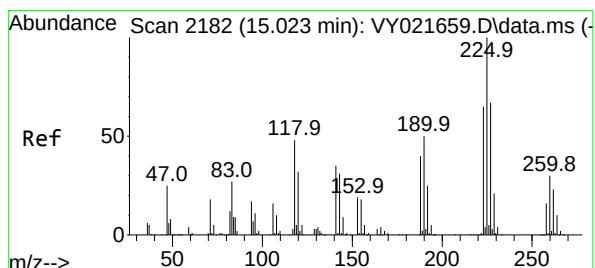
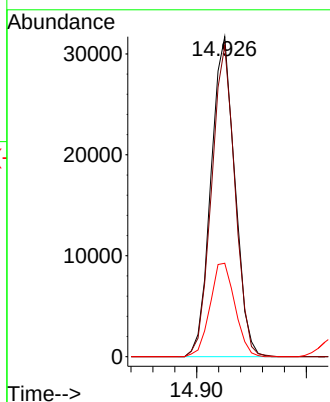
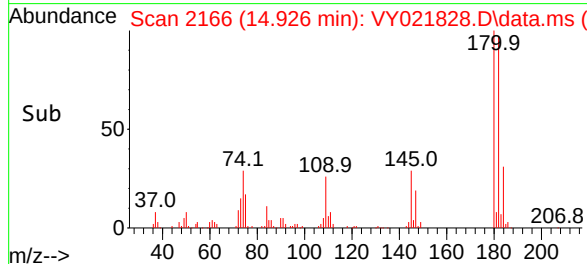
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



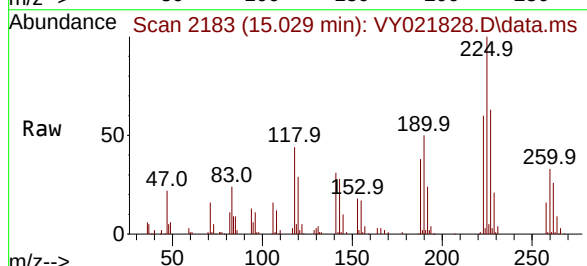
Tgt Ion:180 Resp: 47960
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.6
145 30.5 14.9 44.9

Manual Integrations
APPROVED

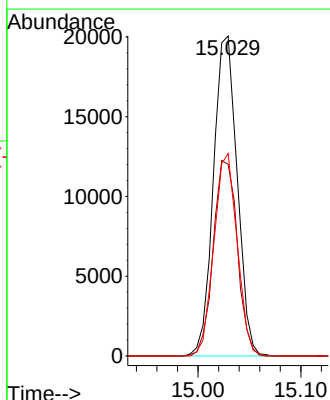
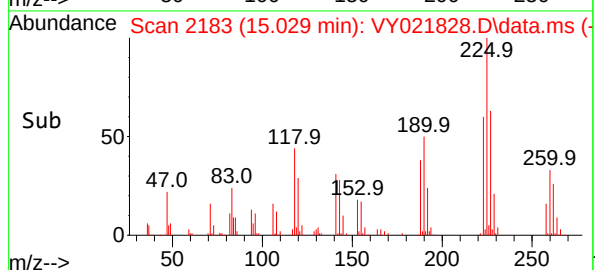
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

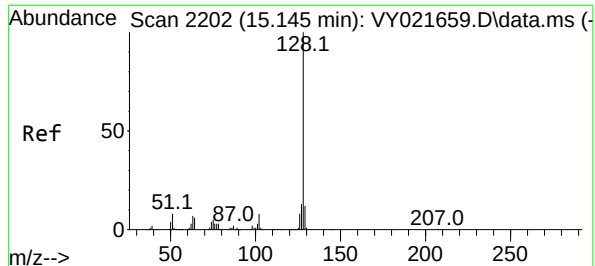


#94
Hexachlorobutadiene
Concen: 21.546 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021828.D
Acq: 10 Apr 2025 10:59



Tgt Ion:225 Resp: 32148
Ion Ratio Lower Upper
225 100
223 61.9 31.9 95.7
227 61.8 32.4 97.0





#95

Naphthalene

Concen: 17.539 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:128 Resp: 69458

Ion Ratio Lower Upper

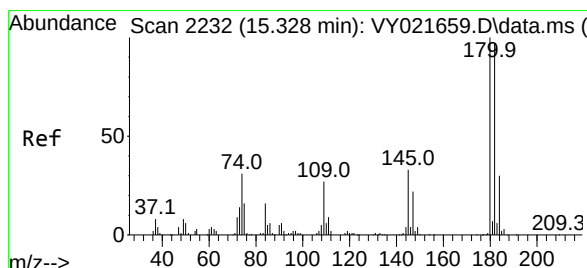
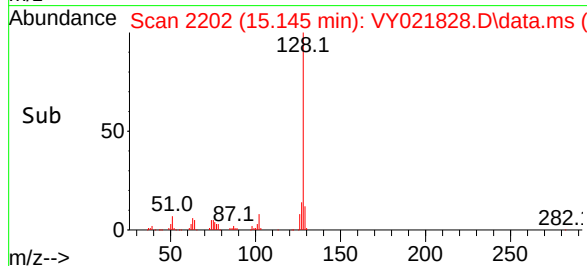
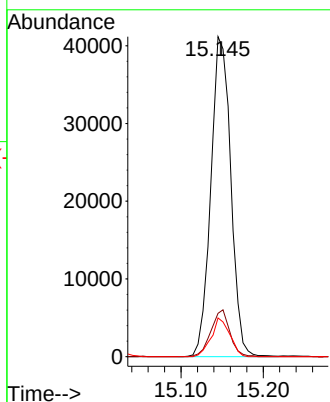
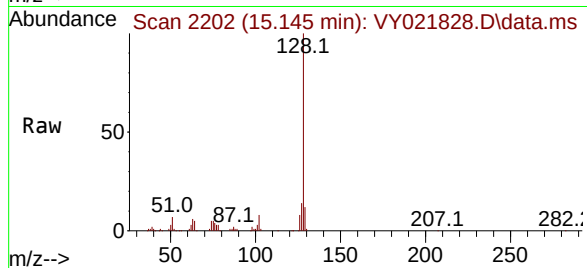
128 100

127 13.9 10.8 16.2

129 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#96

1,2,3-Trichlorobenzene

Concen: 19.594 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021828.D

Acq: 10 Apr 2025 10:59

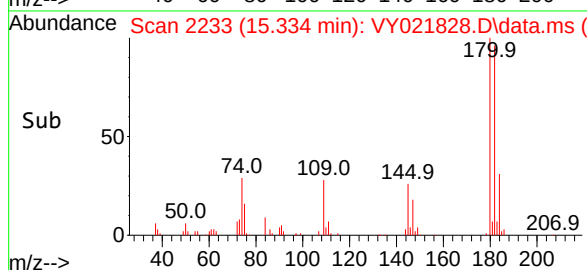
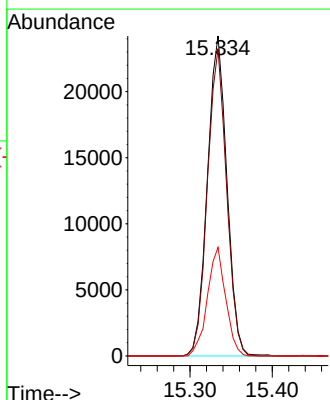
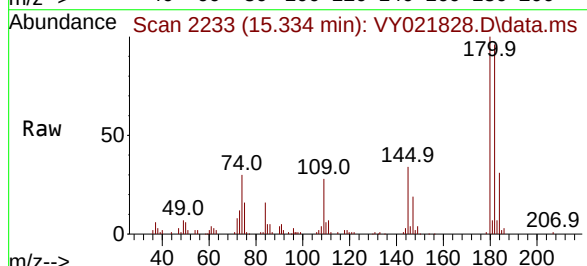
Tgt Ion:180 Resp: 39920

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.5

145 31.9 15.9 47.7



Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0410SBSD01	SDG No.:	Q1744	
Lab Sample ID:	VY0410SBSD01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.1		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	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	94.7		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.9		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	92.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBSD01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		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	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	7.707			
540-36-3	1,4-Difluorobenzene	319000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0410SBSD01		SDG No.:	Q1744
Lab Sample ID:	VY0410SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

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_Y\Data\VY041025\
 Data File : VY021829.D
 Acq On : 10 Apr 2025 11:22
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	207811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	318832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109229	48.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.020%		
35) Dibromofluoromethane	7.634	113	105361	50.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.880%		
50) Toluene-d8	10.109	98	404007	51.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.407	95	134999	50.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39252	18.224	ug/l	100
3) Chloromethane	2.068	50	59786	19.740	ug/l	97
4) Vinyl Chloride	2.202	62	63877	18.649	ug/l	98
5) Bromomethane	2.592	94	43697	18.705	ug/l	98
6) Chloroethane	2.732	64	42704	19.053	ug/l	97
7) Trichlorofluoromethane	3.055	101	84703	19.305	ug/l	96
8) Diethyl Ether	3.458	74	22632	18.967	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46252	19.986	ug/l	99
10) Methyl Iodide	4.007	142	55133	21.716	ug/l	100
11) Tert butyl alcohol	4.872	59	12367	84.563	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	40908	18.767	ug/l	93
13) Acrolein	3.659	56	13077	48.971	ug/l	98
14) Allyl chloride	4.384	41	64598	18.587	ug/l	98
15) Acrylonitrile	5.067	53	47442	95.225	ug/l	99
16) Acetone	3.878	43	43633	94.688	ug/l	98
17) Carbon Disulfide	4.104	76	131412	18.304	ug/l	98
18) Methyl Acetate	4.391	43	23701	20.753	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	101520	18.707	ug/l	97
20) Methylene Chloride	4.616	84	50284	19.978	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	46410	19.338	ug/l	96
22) Diisopropyl ether	6.018	45	143976	19.749	ug/l	97
23) Vinyl Acetate	5.963	43	388600	91.114	ug/l	99
24) 1,1-Dichloroethane	5.921	63	86621	19.870	ug/l	99
25) 2-Butanone	6.902	43	60799	92.375	ug/l	98
26) 2,2-Dichloropropane	6.884	77	75992	19.597	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52039	19.281	ug/l	99
28) Bromochloromethane	7.244	49	35396	19.253	ug/l	99
29) Tetrahydrofuran	7.268	42	38098	89.940	ug/l	99
30) Chloroform	7.421	83	91139	20.100	ug/l	98
31) Cyclohexane	7.707	56	71948	18.105	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	80786	19.713	ug/l	100
36) 1,1-Dichloropropene	7.835	75	63772	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	28649	19.270	ug/l	99
38) Carbon Tetrachloride	7.817	117	72496	20.093	ug/l	97
39) Methylcyclohexane	9.109	83	71764	19.070	ug/l	96
40) Benzene	8.079	78	191172	20.264	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021829.D
 Acq On : 10 Apr 2025 11:22
 Operator : SY/MD
 Sample : VY0410SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	13035	16.509	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	53226	20.013	ug/l	100
43) Isopropyl Acetate	8.195	43	52654	18.689	ug/l	97
44) Trichloroethene	8.865	130	49203	20.469	ug/l	99
45) 1,2-Dichloropropane	9.140	63	45352	20.309	ug/l	97
46) Dibromomethane	9.231	93	26214	20.368	ug/l	96
47) Bromodichloromethane	9.426	83	68651	20.586	ug/l	97
48) Methyl methacrylate	9.219	41	24785	19.167	ug/l	99
49) 1,4-Dioxane	9.231	88	5304	384.711	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	140723	95.979	ug/l	99
52) Toluene	10.170	92	122020	20.730	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	57294	19.343	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	66901	19.145	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	34280	20.698	ug/l	97
56) Ethyl methacrylate	10.438	69	40341	19.076	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58064	20.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	104087	100.892	ug/l	99
59) 2-Hexanone	10.761	43	92479	94.709	ug/l	100
60) Dibromochloromethane	10.914	129	46927	20.753	ug/l	100
61) 1,2-Dibromoethane	11.017	107	30845	19.853	ug/l	99
64) Tetrachloroethene	10.646	164	53276	20.569	ug/l	98
65) Chlorobenzene	11.444	112	130948	20.086	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	47375	20.482	ug/l	99
67) Ethyl Benzene	11.517	91	222087	19.866	ug/l	99
68) m/p-Xylenes	11.627	106	173922	40.629	ug/l	99
69) o-Xylene	11.956	106	79796	20.194	ug/l	99
70) Styrene	11.969	104	133731	20.298	ug/l	99
71) Bromoform	12.133	173	26634	20.187	ug/l #	99
73) Isopropylbenzene	12.255	105	210811	19.089	ug/l	100
74) N-amyl acetate	12.072	43	45971	17.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37011	18.640	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	29935m	20.310	ug/l	
77) Bromobenzene	12.535	156	51940	19.588	ug/l	99
78) n-propylbenzene	12.596	91	262187	19.747	ug/l	99
79) 2-Chlorotoluene	12.682	91	150997	19.580	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	176431	19.547	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10813	16.904	ug/l	96
82) 4-Chlorotoluene	12.779	91	158350	19.696	ug/l	100
83) tert-Butylbenzene	12.999	119	153070	19.040	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	178830	20.046	ug/l	100
85) sec-Butylbenzene	13.176	105	232616	19.799	ug/l	100
86) p-Isopropyltoluene	13.291	119	193062	19.882	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	103726	19.855	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	103913	20.132	ug/l	98
89) n-Butylbenzene	13.621	91	175553	19.549	ug/l	99
90) Hexachloroethane	13.883	117	41979	19.728	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	91313	20.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5989	19.461	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	51079	20.712	ug/l	99
94) Hexachlorobutadiene	15.023	225	32403	21.038	ug/l	99
95) Naphthalene	15.145	128	81360	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	44068	20.955	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

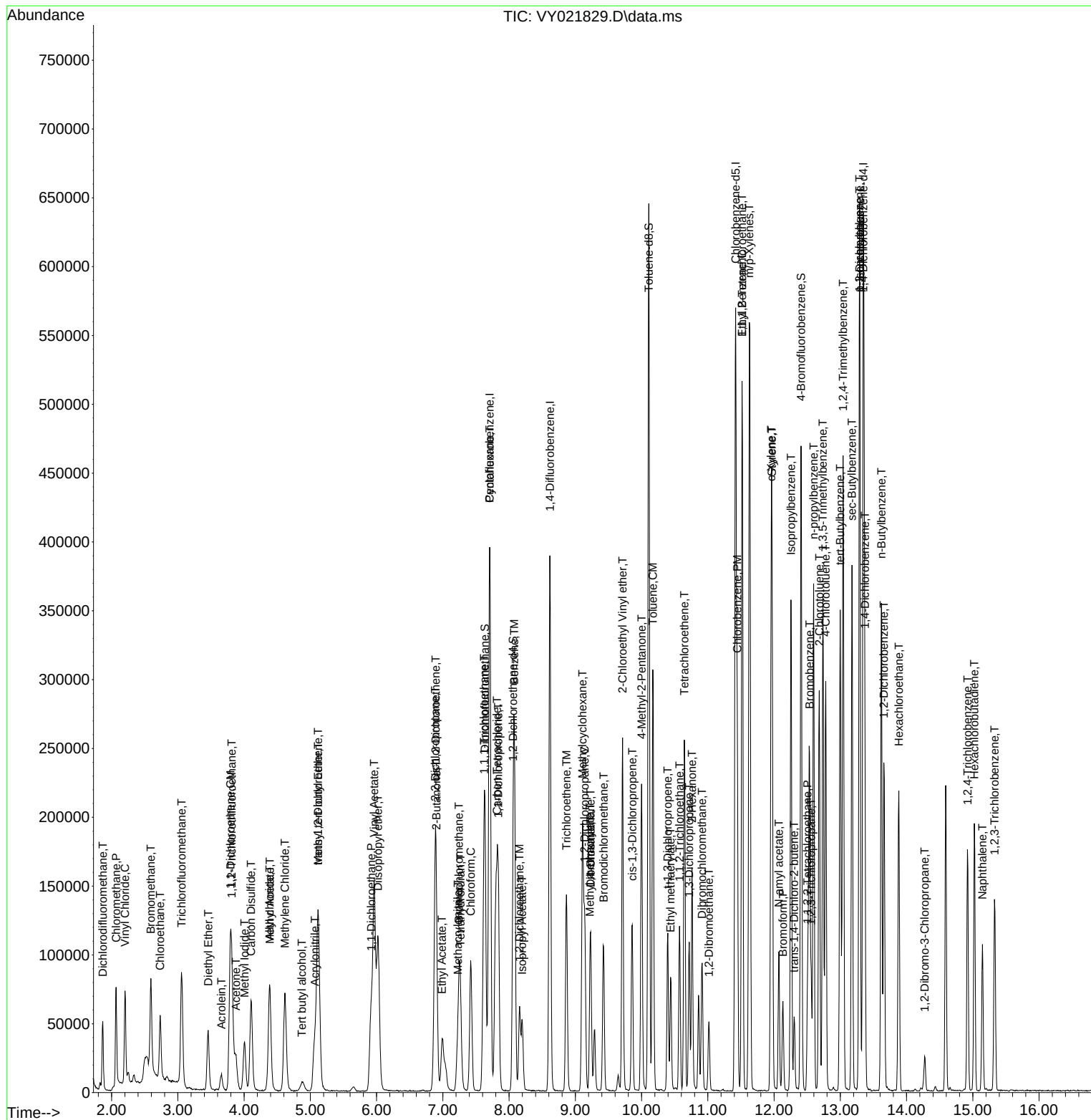
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Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

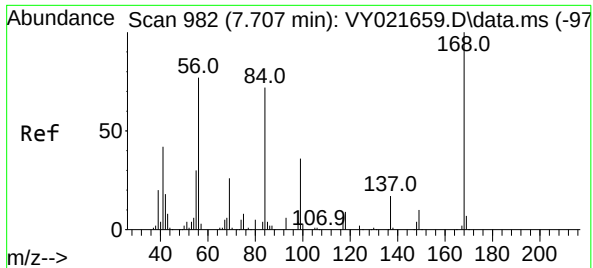
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





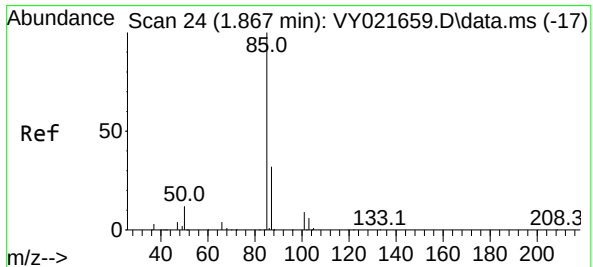
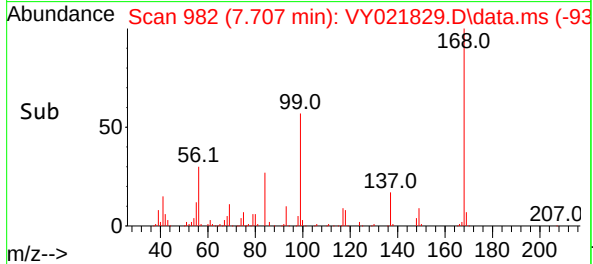
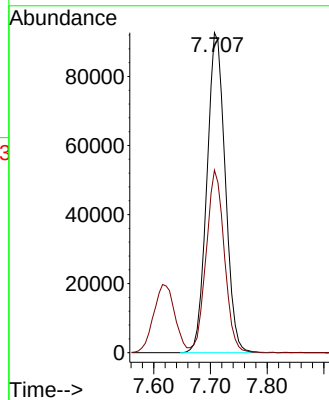
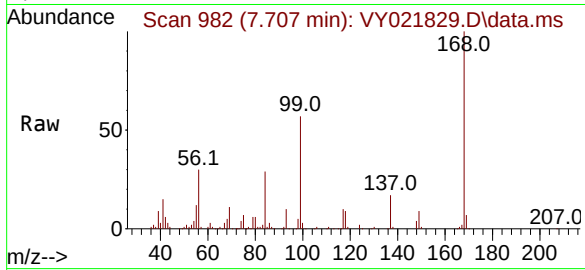
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Tgt Ion: 168 Resp: 20781
Ion Ratio Lower Upper
168 100
99 57.1 46.7 70.1

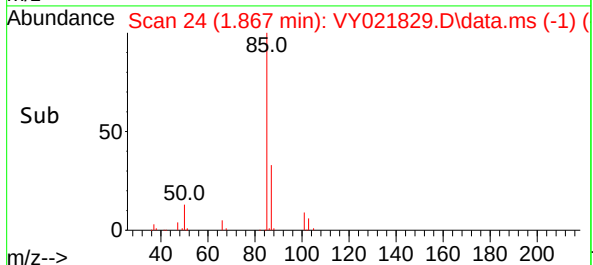
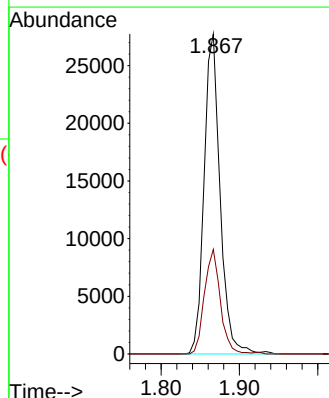
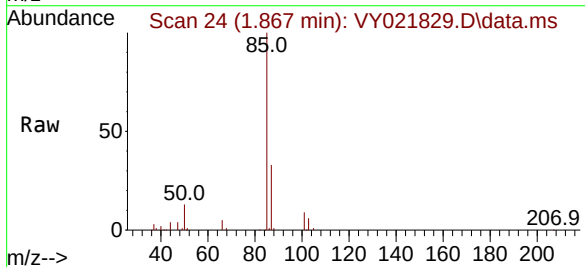
Manual Integrations
APPROVED

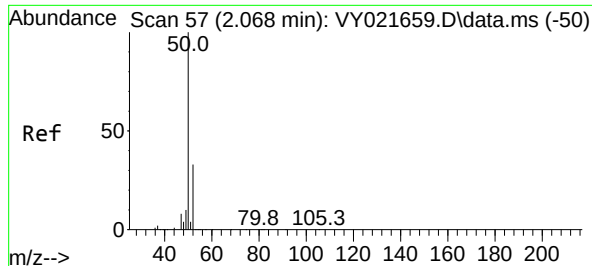
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#2
Dichlorodifluoromethane
Concen: 18.224 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 85 Resp: 39252
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





#3

Chloromethane

Concen: 19.740 ug/l

RT: 2.068 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 50 Resp: 5978

Ion Ratio Lower Upper

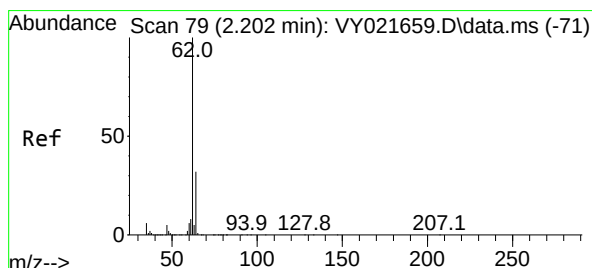
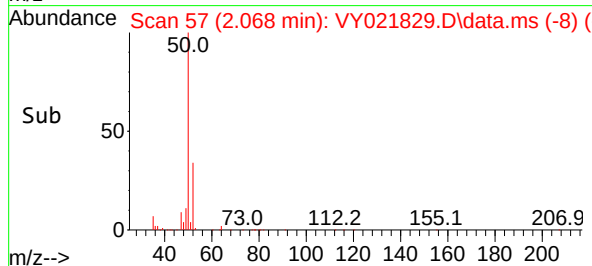
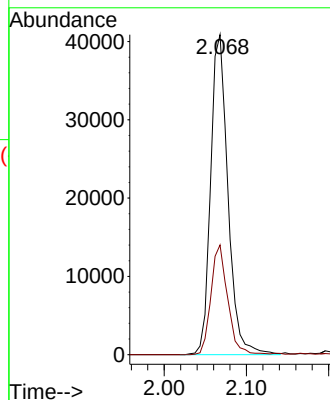
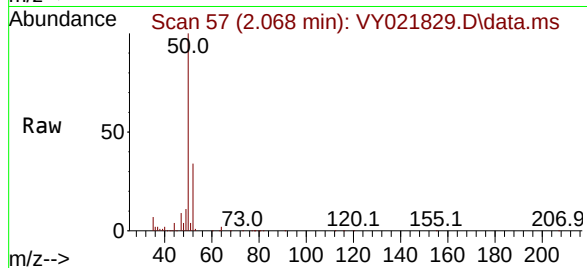
50 100

52 34.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#4

Vinyl Chloride

Concen: 18.649 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.000 min

Lab File: VY021829.D

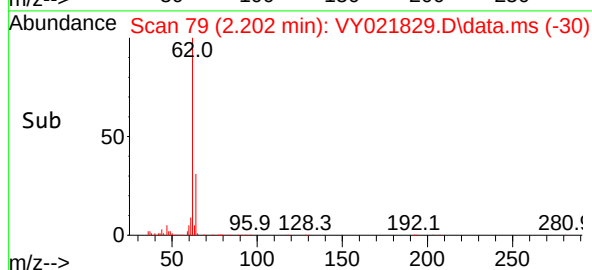
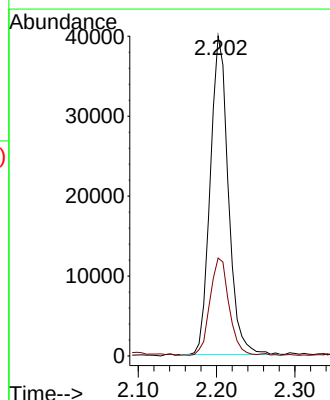
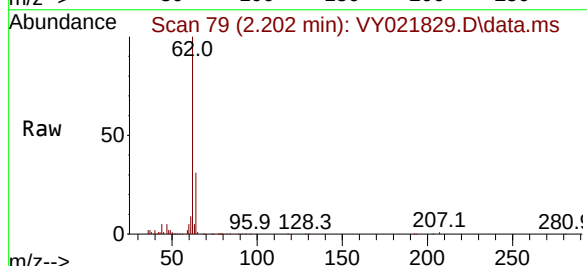
Acq: 10 Apr 2025 11:22

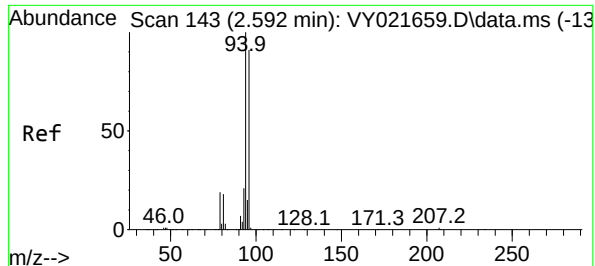
Tgt Ion: 62 Resp: 63877

Ion Ratio Lower Upper

62 100

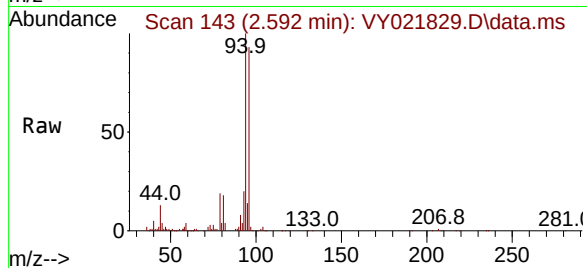
64 30.5 25.5 38.3





#5
Bromomethane
Concen: 18.705 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

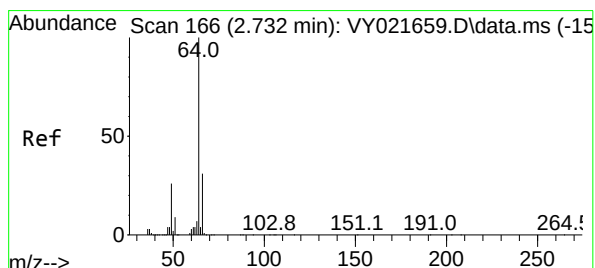
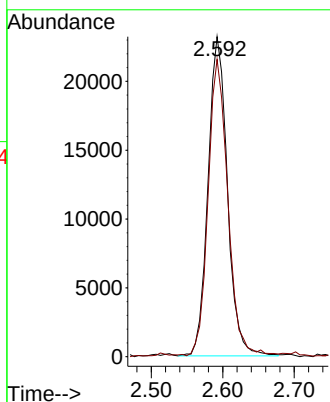
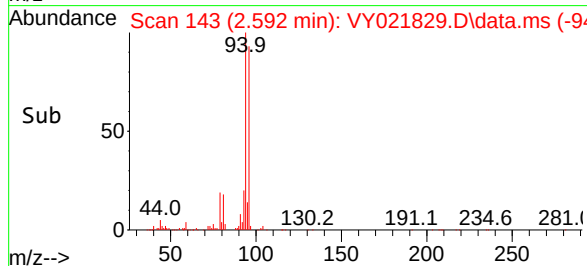
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



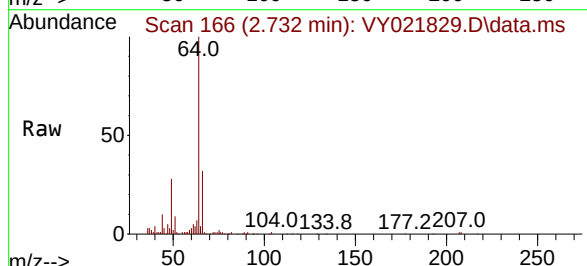
Tgt Ion: 94 Resp: 4369
Ion Ratio Lower Upper
94 100
96 92.6 72.8 109.2

Manual Integrations
APPROVED

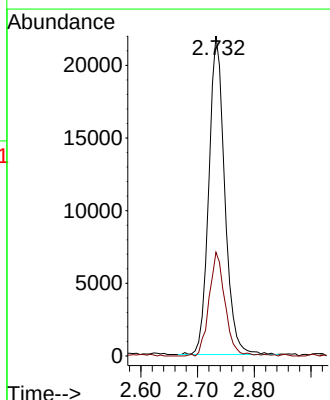
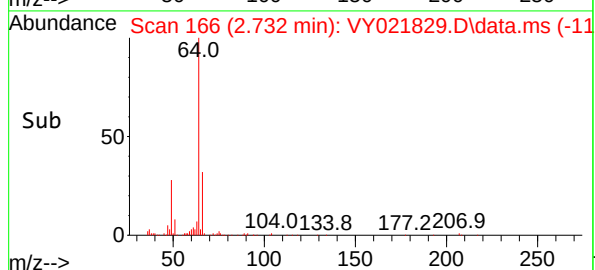
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

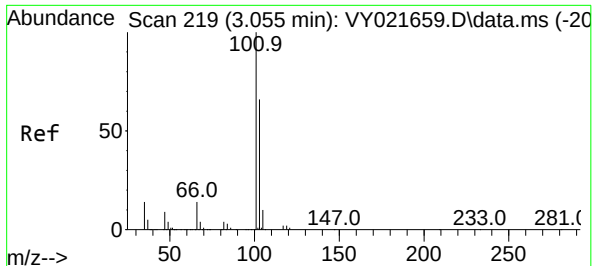


#6
Chloroethane
Concen: 19.053 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



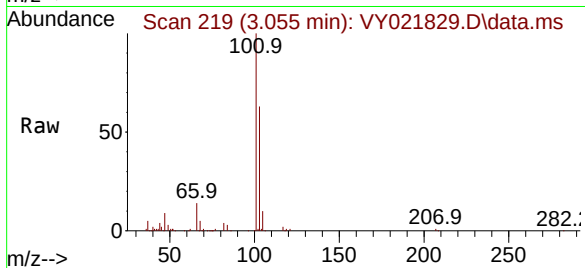
Tgt Ion: 64 Resp: 42704
Ion Ratio Lower Upper
64 100
66 32.5 24.9 37.3





#7
 Trichlorofluoromethane
 Concen: 19.305 ug/l
 RT: 3.055 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021829.D
 Acq: 10 Apr 2025 11:22

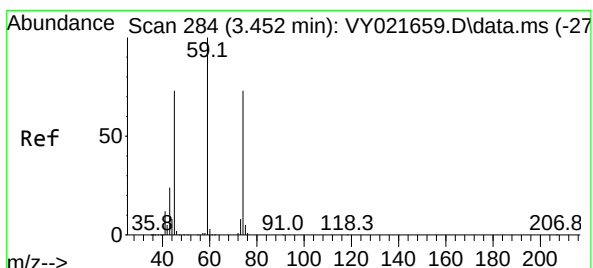
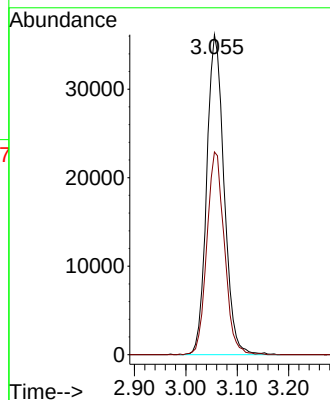
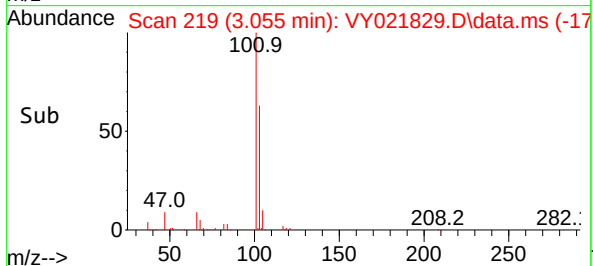
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBS01



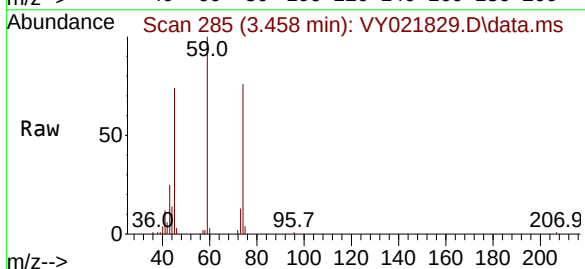
Tgt Ion:101 Resp: 8470
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7

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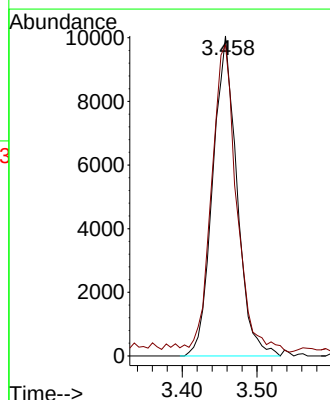
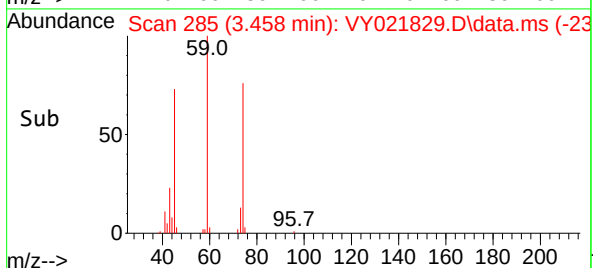
Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

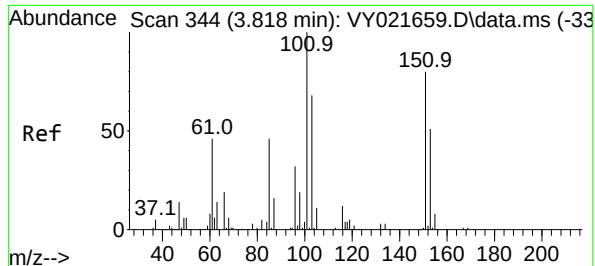


#8
 Diethyl Ether
 Concen: 18.967 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY021829.D
 Acq: 10 Apr 2025 11:22



Tgt Ion: 74 Resp: 22632
 Ion Ratio Lower Upper
 74 100
 45 99.5 48.6 145.8





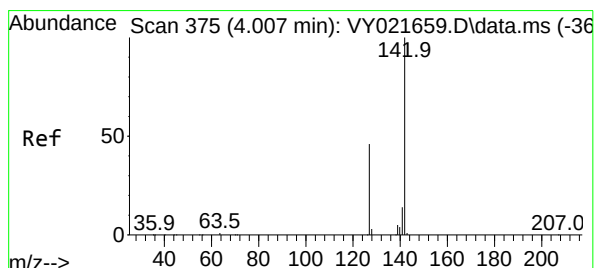
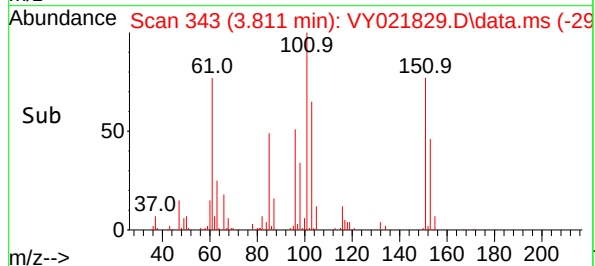
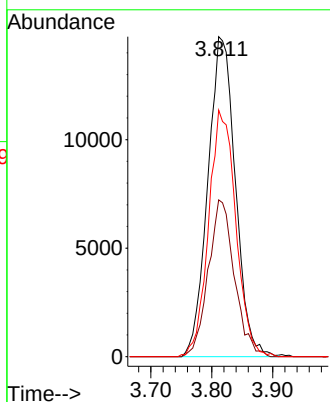
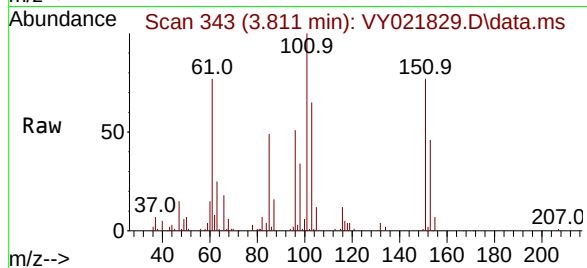
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.986 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:101 Resp: 4625
Ion Ratio Lower Upper
101 100
85 46.6 36.3 54.5
151 76.2 61.3 91.9

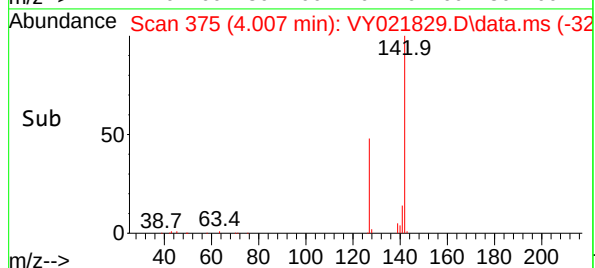
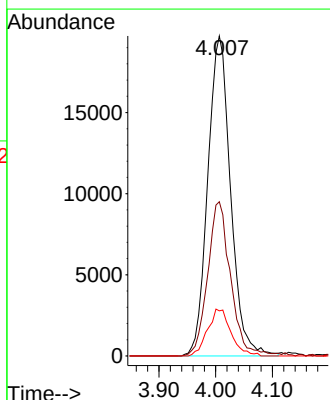
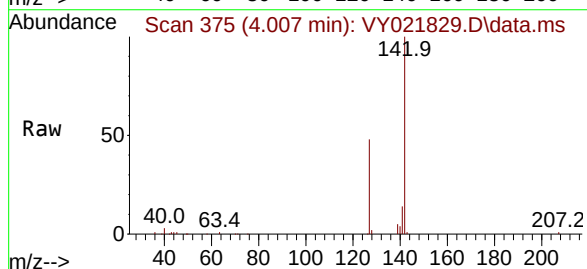
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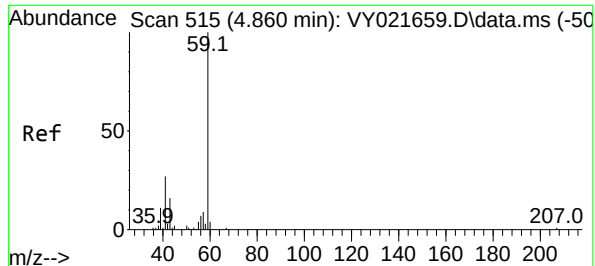
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#10
Methyl Iodide
Concen: 21.716 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion:142 Resp: 55133
Ion Ratio Lower Upper
142 100
127 48.4 38.7 58.1
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 84.563 ug/l

RT: 4.872 min Scan# 515

Delta R.T. 0.012 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 59 Resp: 1236

Ion Ratio Lower Upper

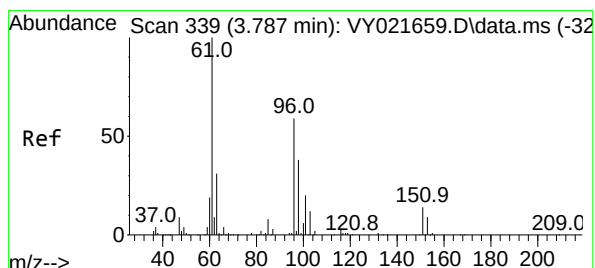
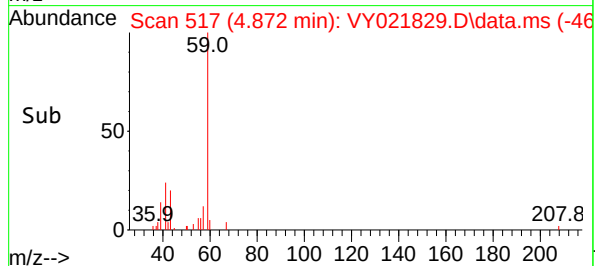
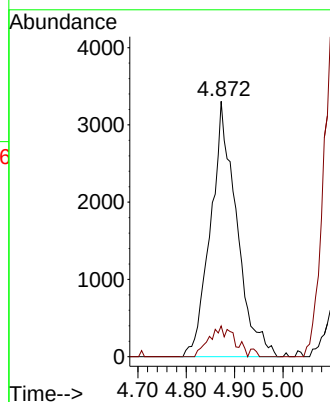
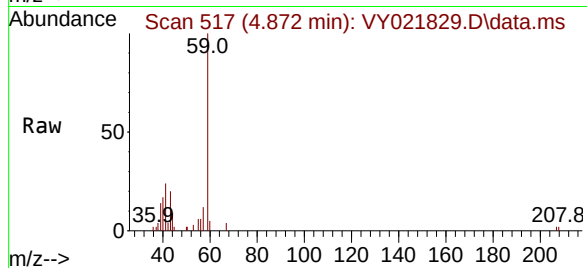
59 100

57 6.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#12

1,1-Dichloroethene

Concen: 18.767 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

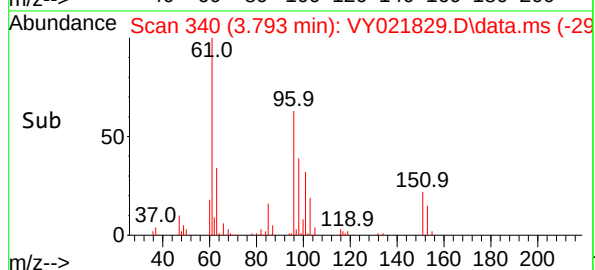
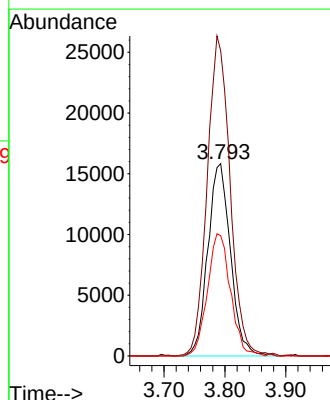
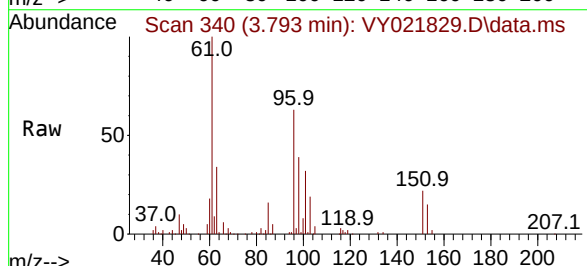
Tgt Ion: 96 Resp: 40908

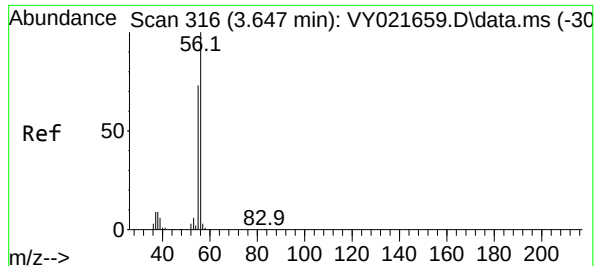
Ion Ratio Lower Upper

96 100

61 158.7 136.6 204.8

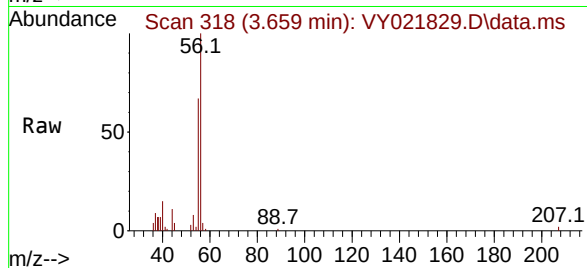
98 62.6 52.3 78.5





#13
Acrolein
Concen: 48.971 ug/l
RT: 3.659 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

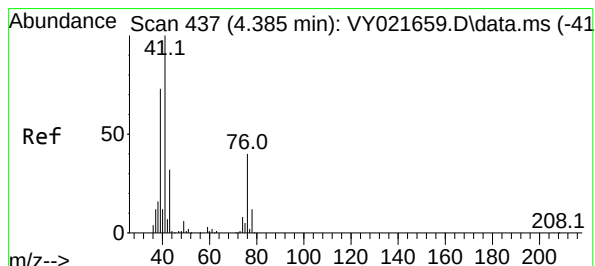
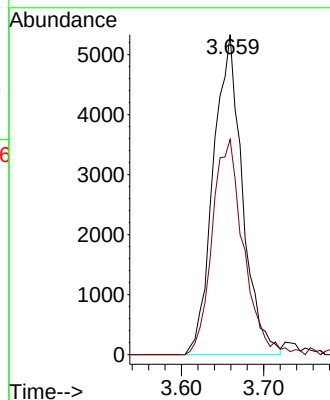
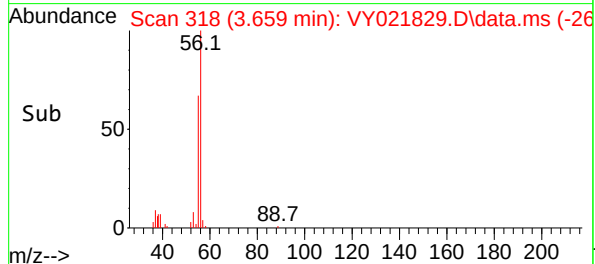
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



Tgt Ion: 56 Resp: 1307
Ion Ratio Lower Upper
56 100
55 72.6 56.6 85.0

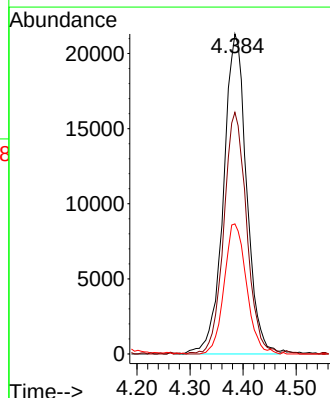
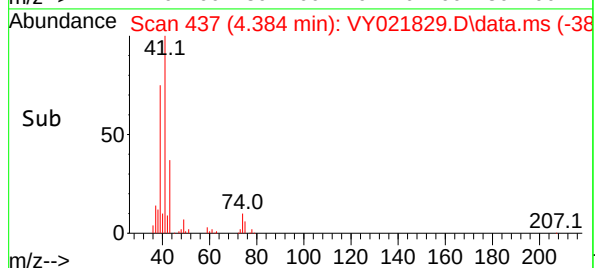
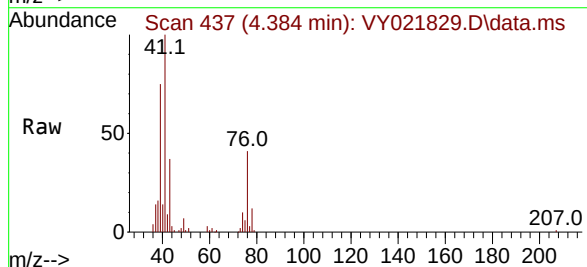
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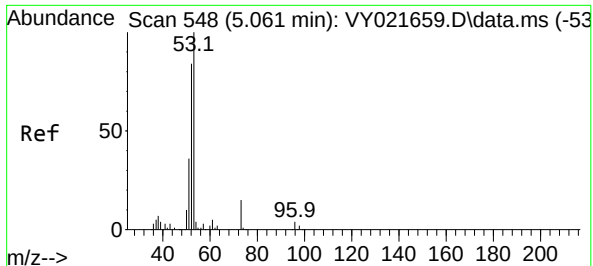
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#14
Allyl chloride
Concen: 18.587 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 41 Resp: 64598
Ion Ratio Lower Upper
41 100
39 74.3 58.6 88.0
76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 95.225 ug/l

RT: 5.067 min Scan# 548

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 53 Resp: 4744

Ion Ratio Lower Upper

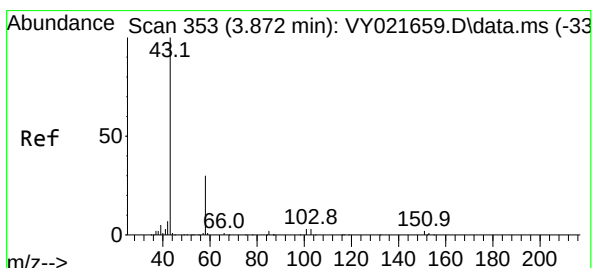
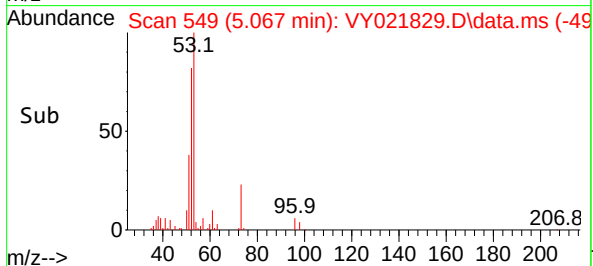
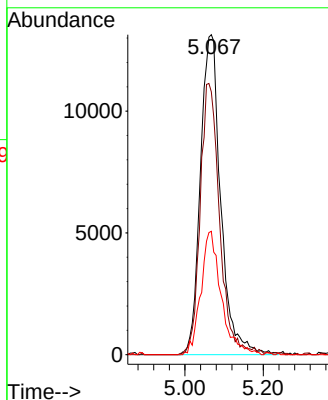
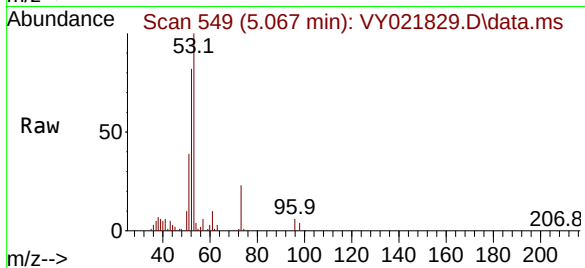
53 100

52 81.0 64.9 97.3

51 38.5 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#16

Acetone

Concen: 94.688 ug/l

RT: 3.878 min Scan# 354

Delta R.T. 0.006 min

Lab File: VY021829.D

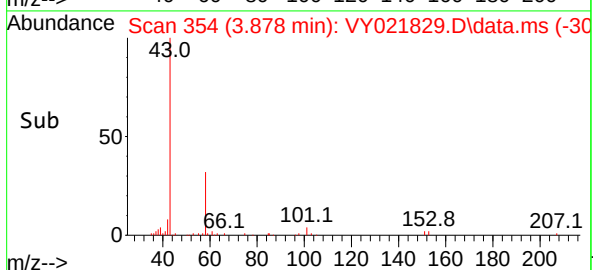
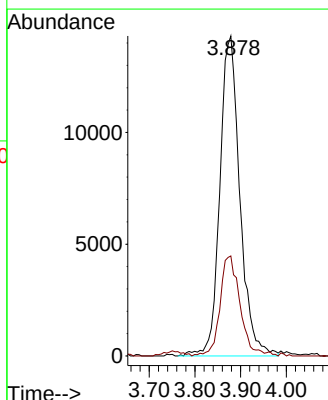
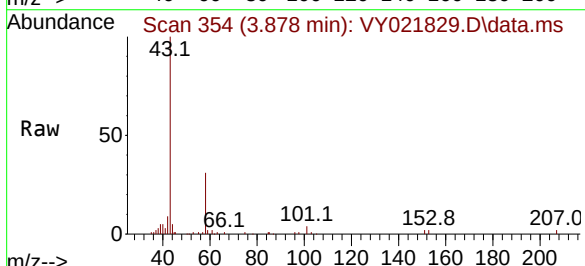
Acq: 10 Apr 2025 11:22

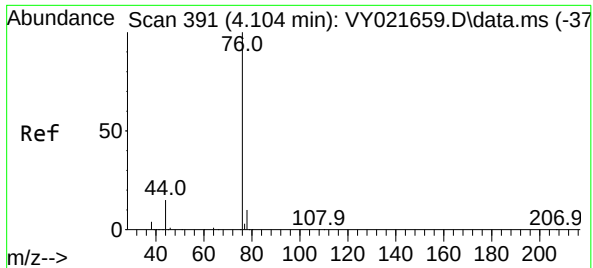
Tgt Ion: 43 Resp: 43633

Ion Ratio Lower Upper

43 100

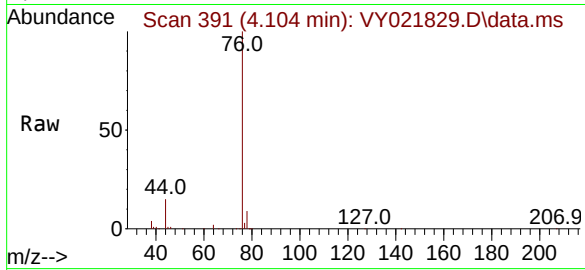
58 31.3 24.2 36.4





#17
Carbon Disulfide
Concen: 18.304 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

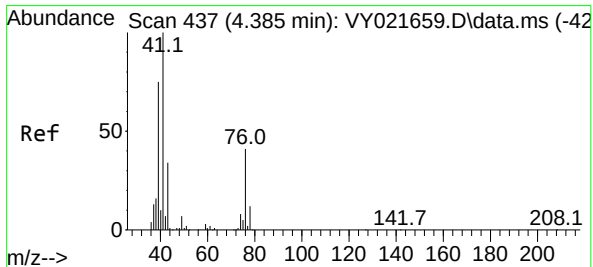
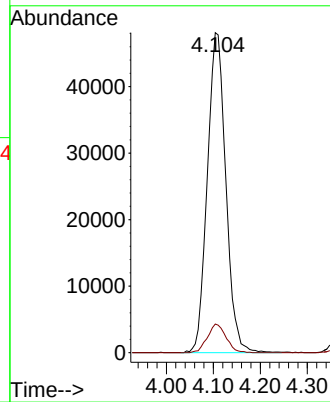
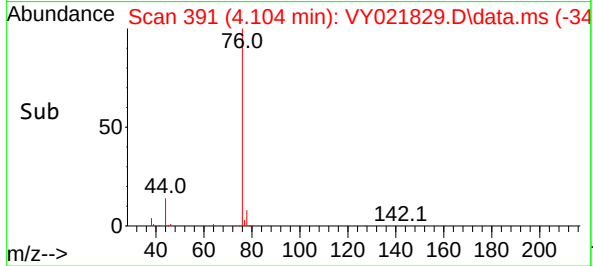
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



Tgt Ion: 76 Resp: 13141
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4

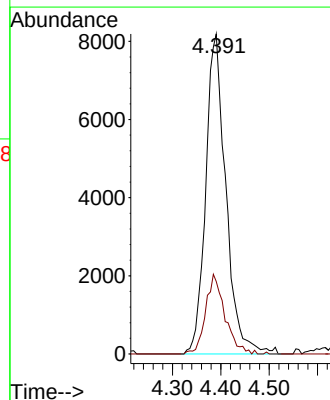
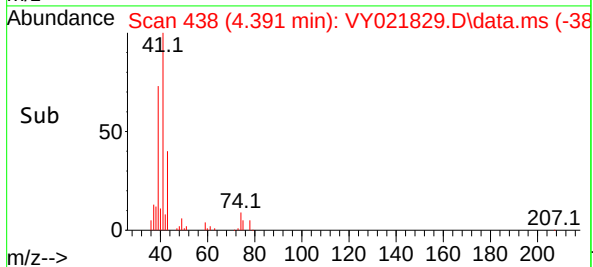
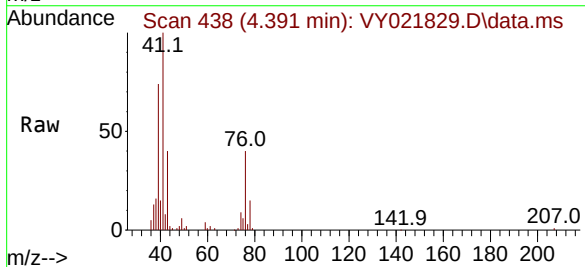
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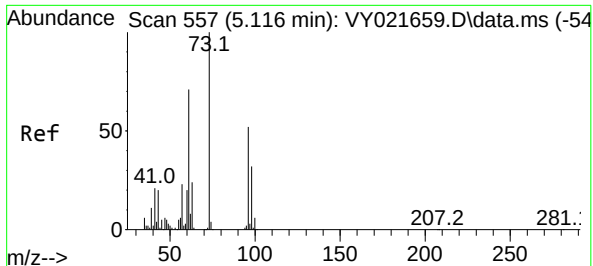
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#18
Methyl Acetate
Concen: 20.753 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 43 Resp: 23701
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.707 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 73 Resp: 101520

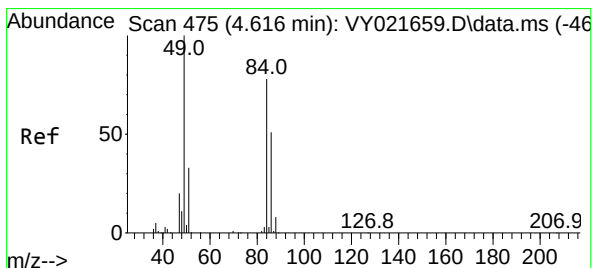
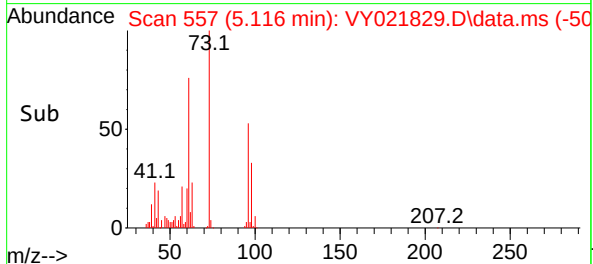
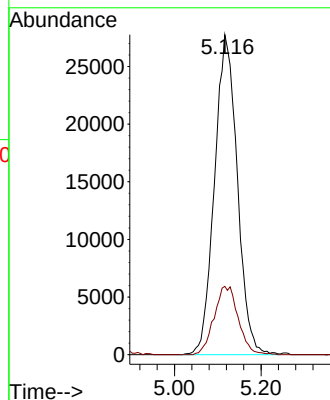
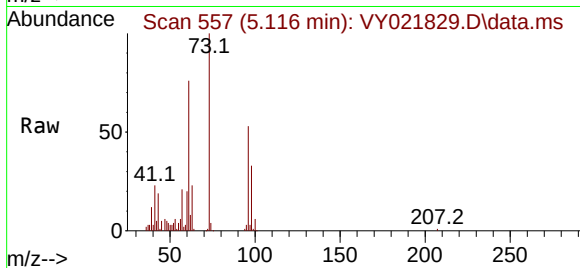
Ion Ratio Lower Upper

73 100

57 21.4 18.1 27.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#20

Methylene Chloride

Concen: 19.978 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion: 84 Resp: 50284

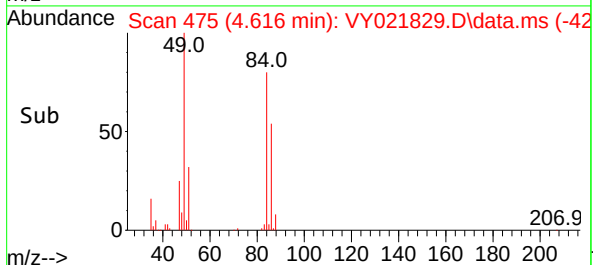
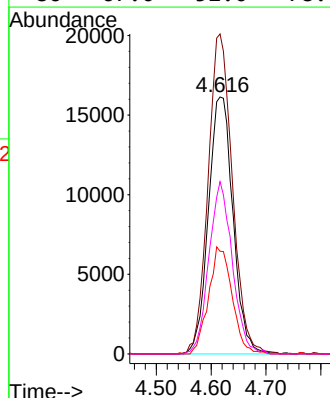
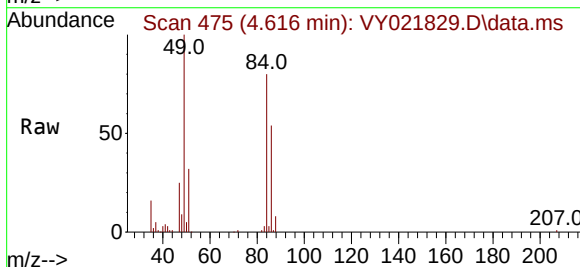
Ion Ratio Lower Upper

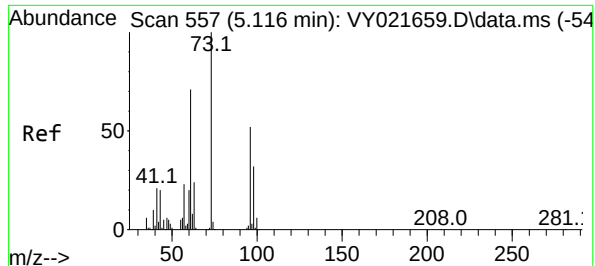
84 100

49 124.5 102.8 154.2

51 40.0 33.5 50.3

86 67.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.338 ug/l

RT: 5.116 min Scan# 511

Delta R.T. -0.000 min

Lab File: VY021829.D

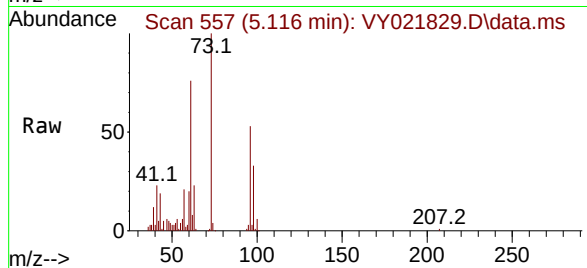
Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01



Tgt Ion: 96 Resp: 46410

Ion Ratio Lower Upper

96 100

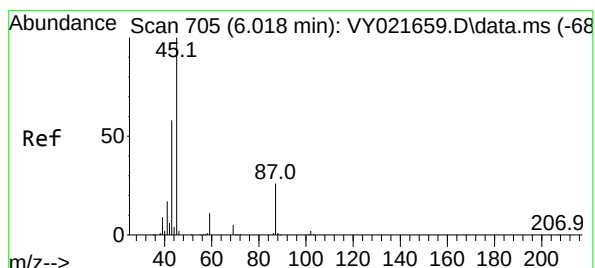
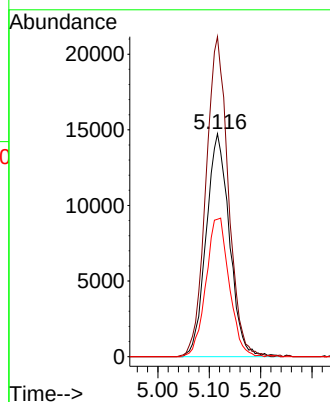
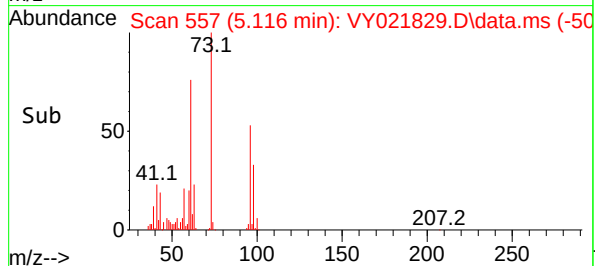
61 143.1 109.4 164.0

98 61.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#22

Diisopropyl ether

Concen: 19.749 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion: 45 Resp: 143976

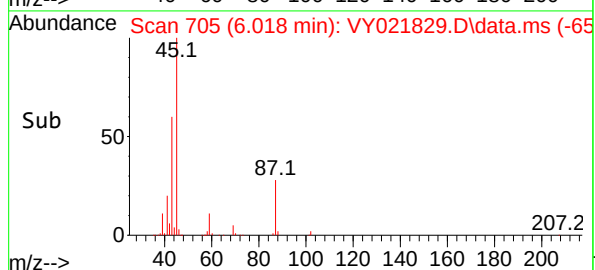
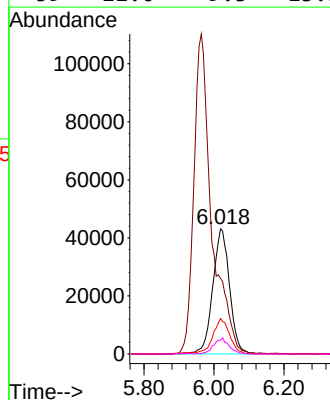
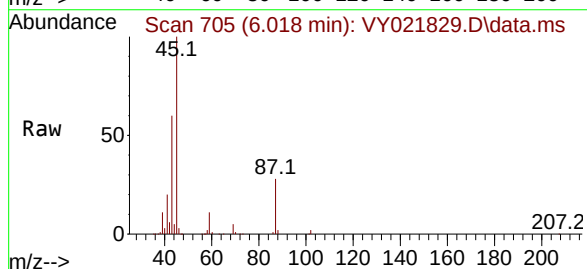
Ion Ratio Lower Upper

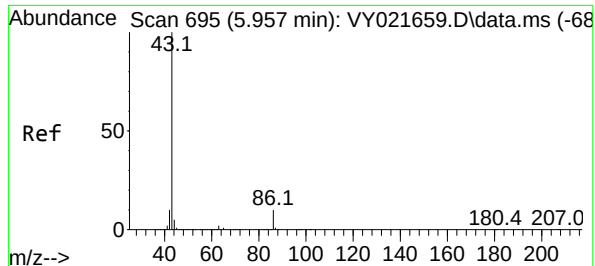
45 100

43 60.0 46.6 69.8

87 28.3 20.7 31.1

59 11.0 9.3 13.9





#23

Vinyl Acetate

Concen: 91.114 ug/l

RT: 5.963 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 388600

Ion Ratio Lower Upper

43 100

86 10.5

8.2

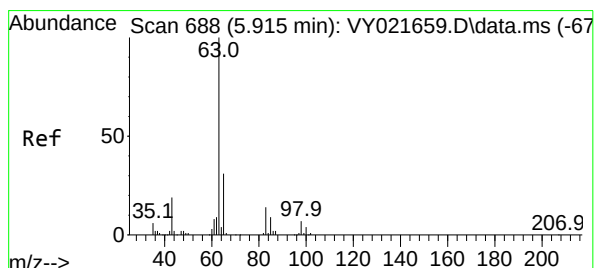
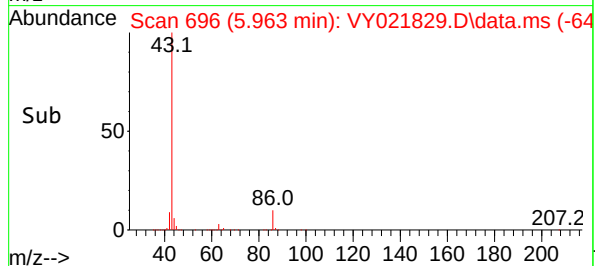
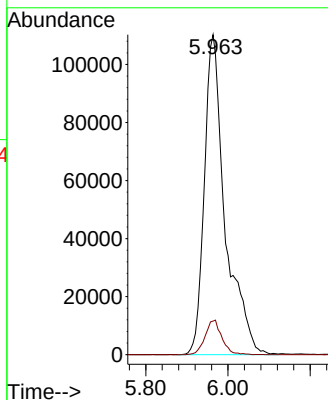
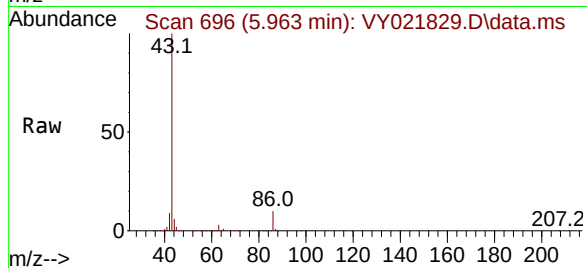
12.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#24

1,1-Dichloroethane

Concen: 19.870 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion: 63 Resp: 86621

Ion Ratio Lower Upper

63 100

98 7.1

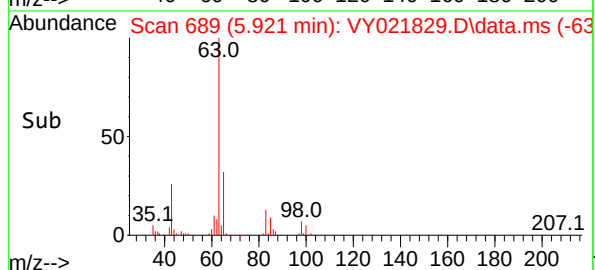
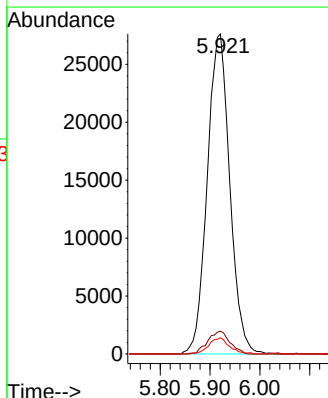
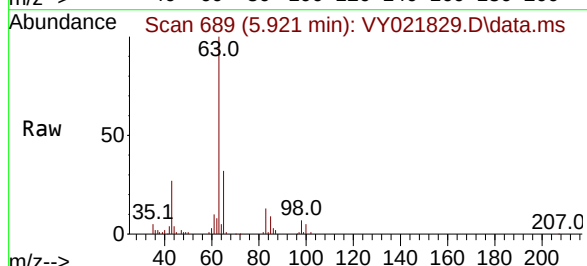
3.5

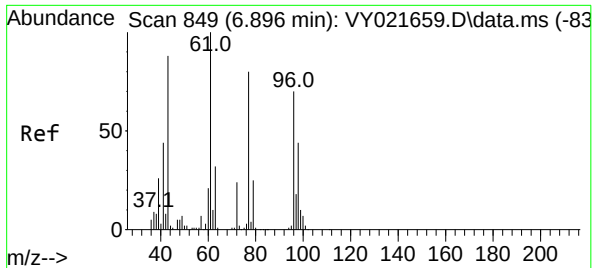
10.5

100 5.0

2.2

6.6





#25

2-Butanone

Concen: 92.375 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 60799

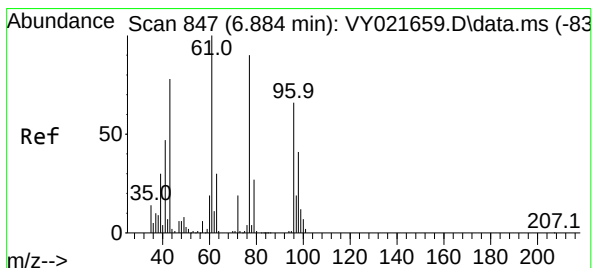
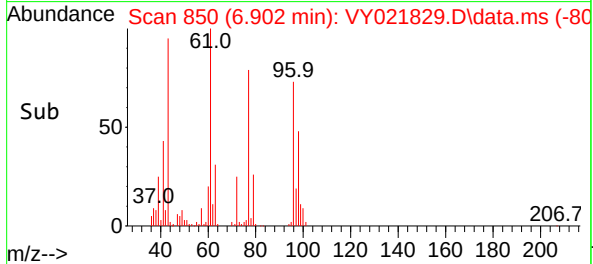
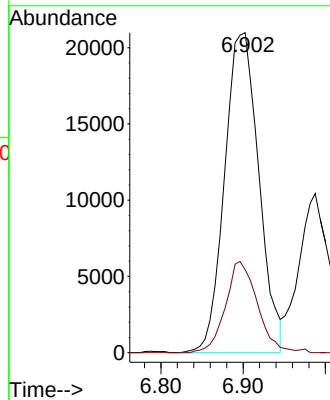
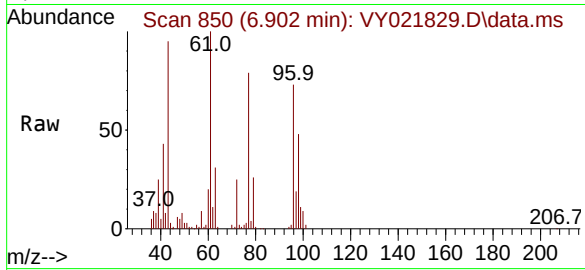
Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#26

2,2-Dichloropropane

Concen: 19.597 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021829.D

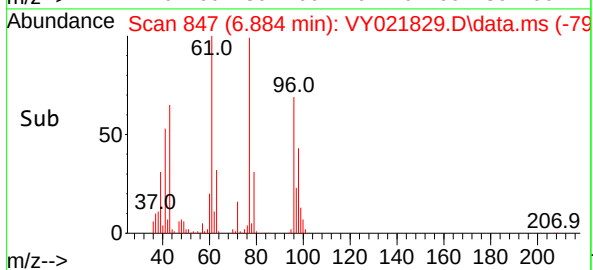
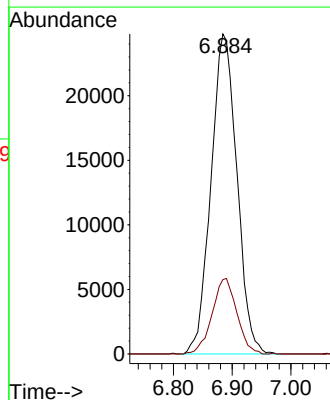
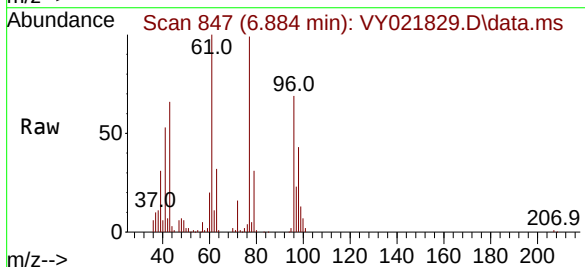
Acq: 10 Apr 2025 11:22

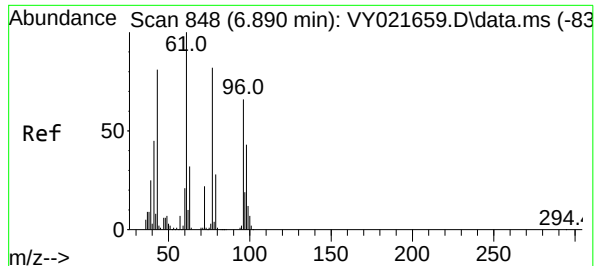
Tgt Ion: 77 Resp: 75992

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.281 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 96 Resp: 52039

Ion Ratio Lower Upper

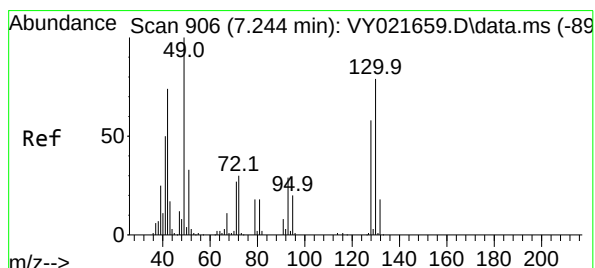
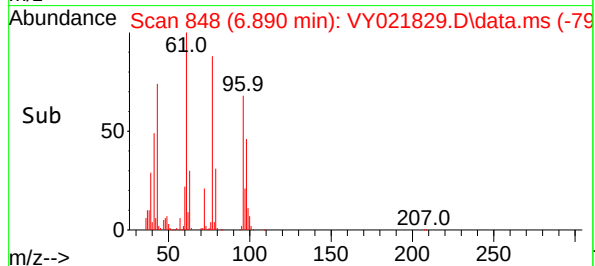
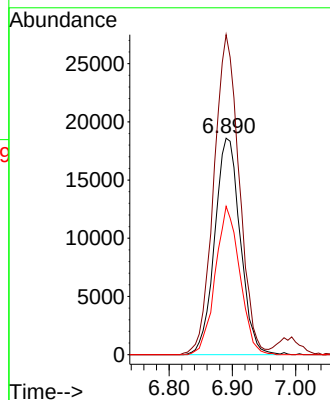
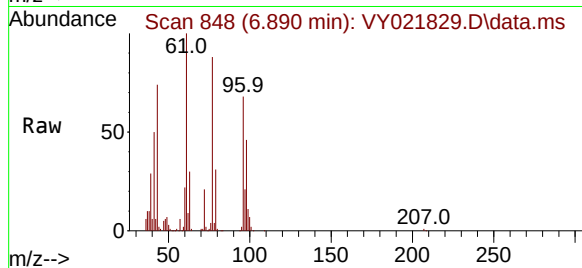
96 100

61 147.3 0.0 296.4

98 65.6 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#28

Bromochloromethane

Concen: 19.253 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

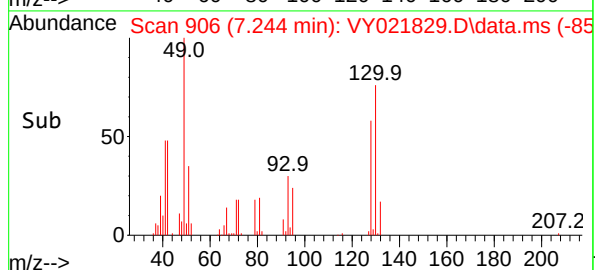
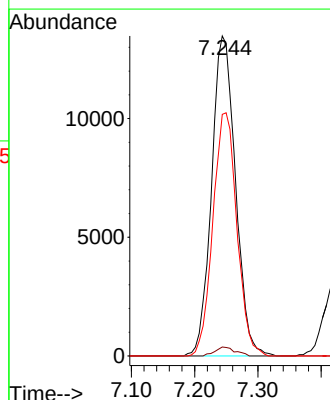
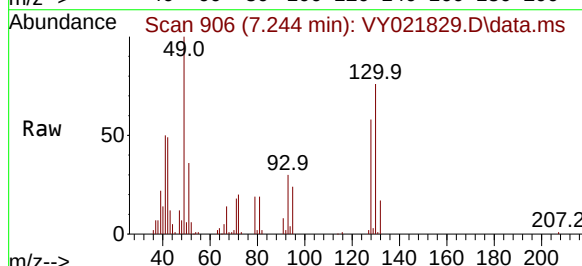
Tgt Ion: 49 Resp: 35396

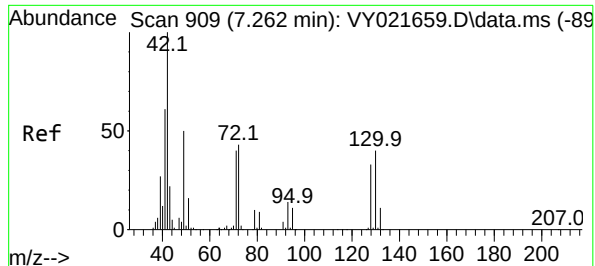
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

130 76.2 60.1 90.1





#29

Tetrahydrofuran

Concen: 89.940 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

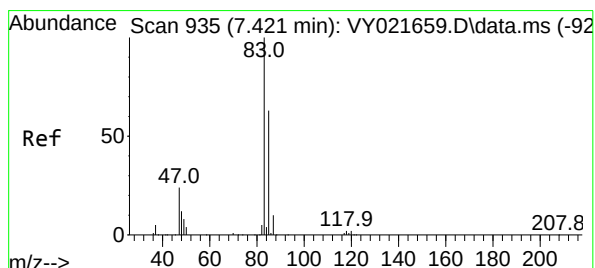
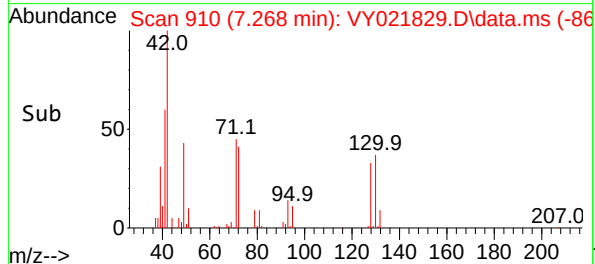
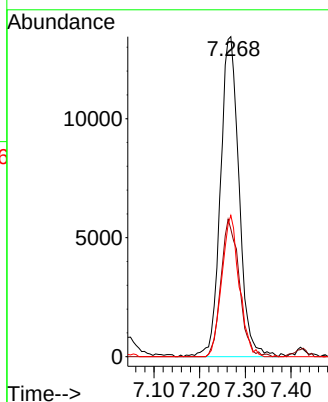
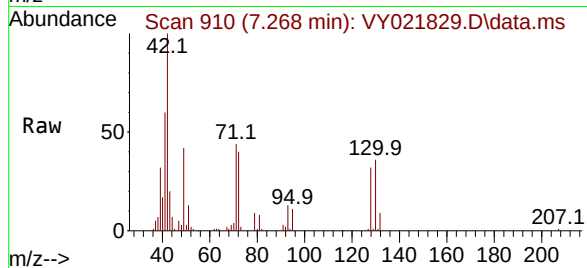
VY0410SBS01

Tgt Ion:	42	Resp:	3809
Ion Ratio	Lower	Upper	
42	100		
72	42.2	34.6	52.0
71	41.3	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#30

Chloroform

Concen: 20.100 ug/l

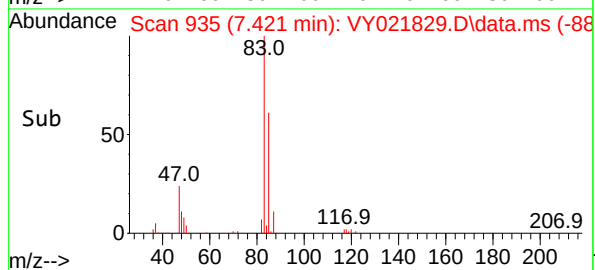
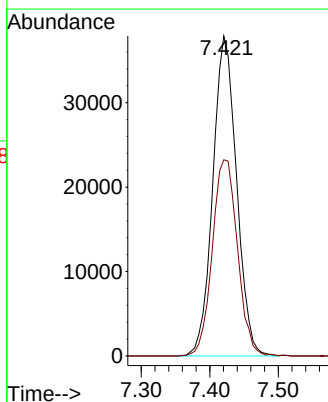
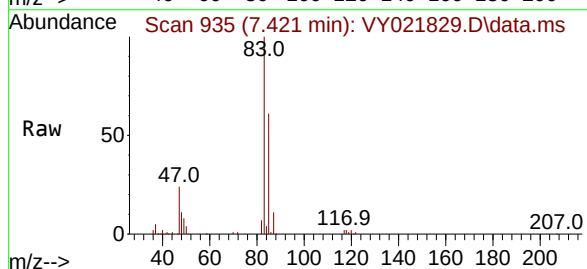
RT: 7.421 min Scan# 935

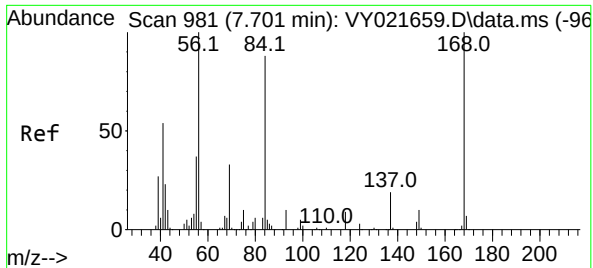
Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion:	83	Resp:	91139
Ion Ratio	Lower	Upper	
83	100		
85	61.3	50.6	75.8





#31

Cyclohexane

Concen: 18.105 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 56 Resp: 7194

Ion Ratio Lower Upper

56 100

69 38.3 26.6 40.0

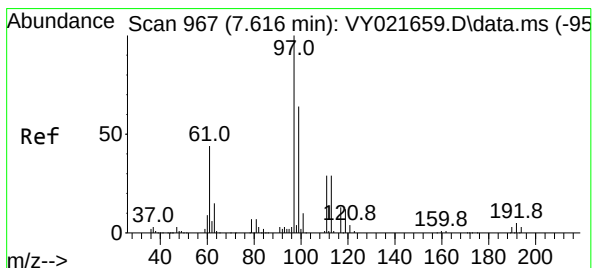
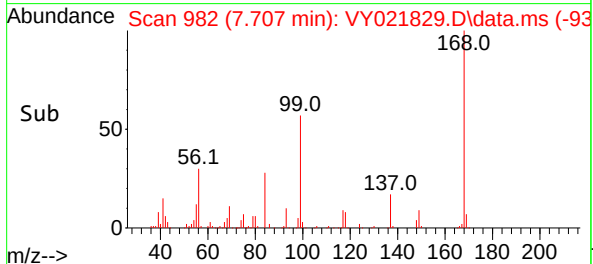
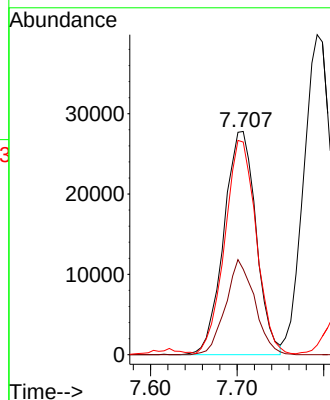
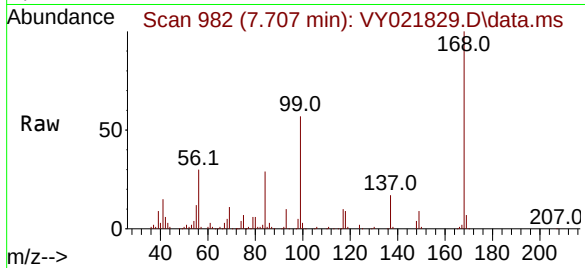
84 93.8 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#32

1,1,1-Trichloroethane

Concen: 19.713 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

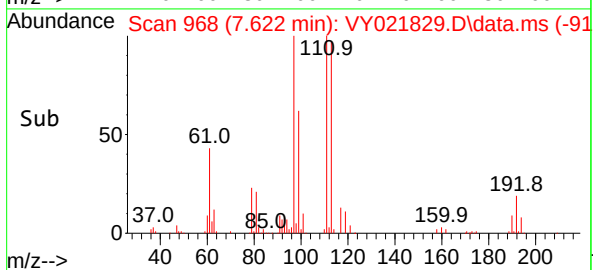
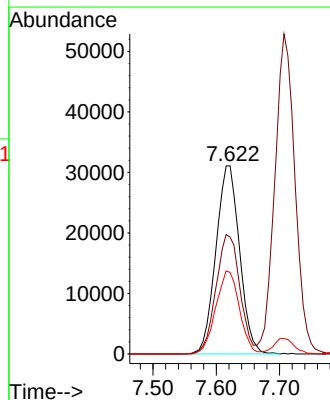
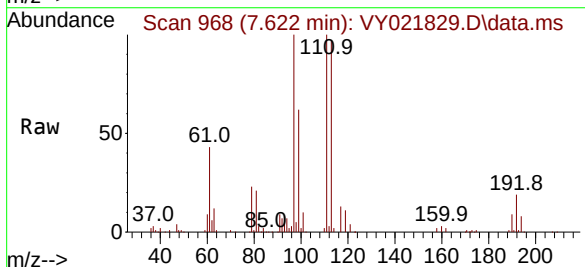
Tgt Ion: 97 Resp: 80786

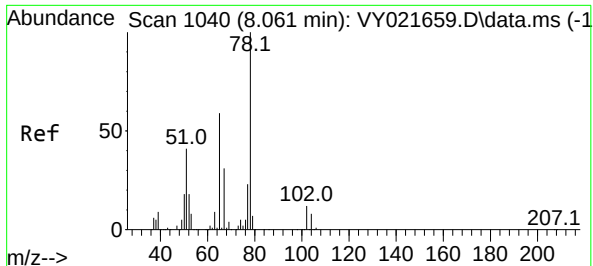
Ion Ratio Lower Upper

97 100

99 63.5 50.7 76.1

61 43.9 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 48.512 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 65 Resp: 109229

Ion Ratio Lower Upper

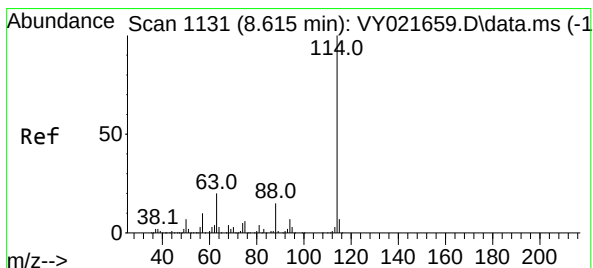
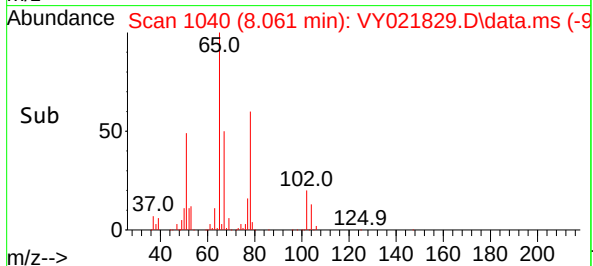
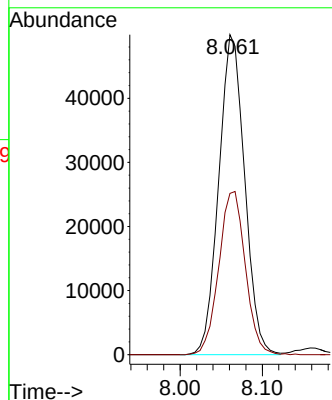
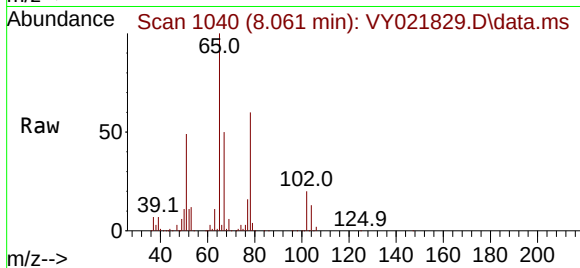
65 100

67 52.2 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

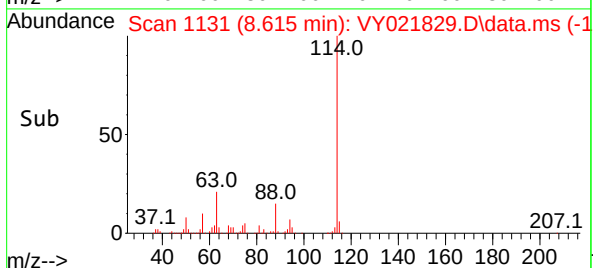
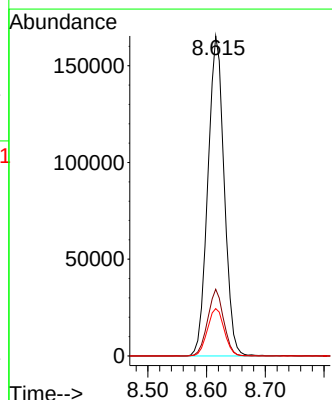
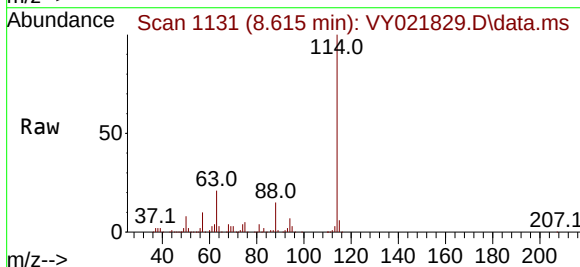
Tgt Ion:114 Resp: 318832

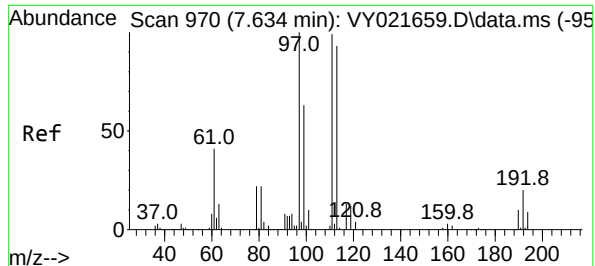
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.943 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:113 Resp: 10536

Ion Ratio Lower Upper

113 100

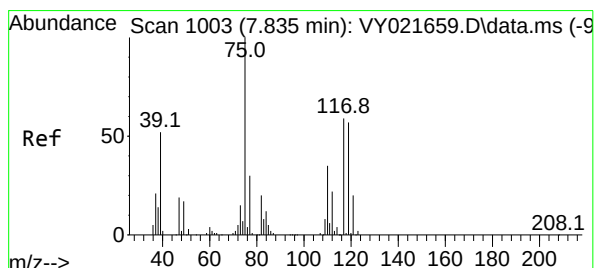
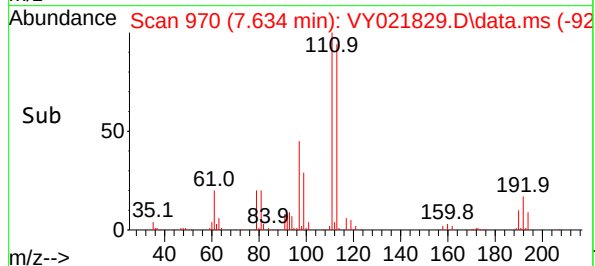
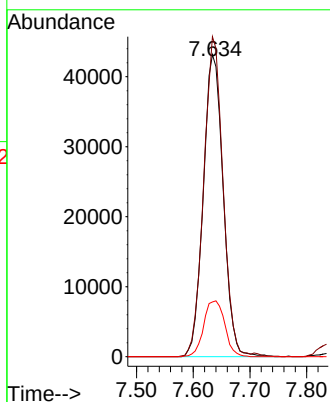
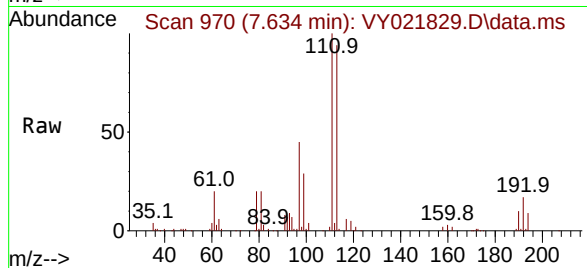
111 102.5 82.6 123.8

192 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#36

1,1-Dichloropropene

Concen: 20.244 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

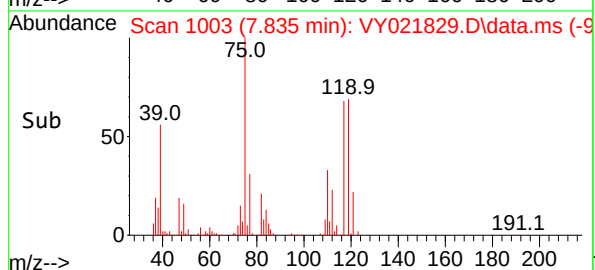
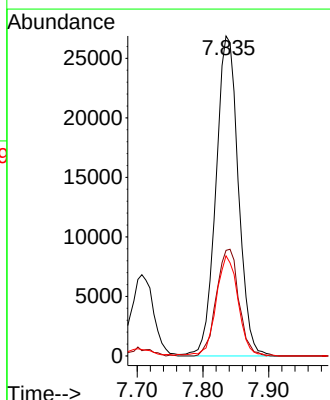
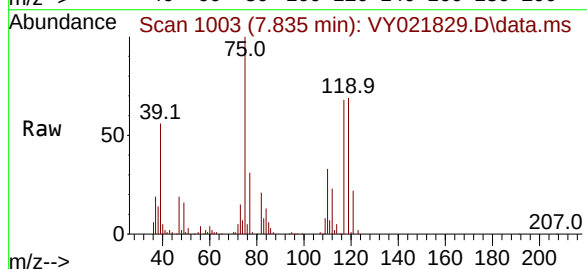
Tgt Ion: 75 Resp: 63772

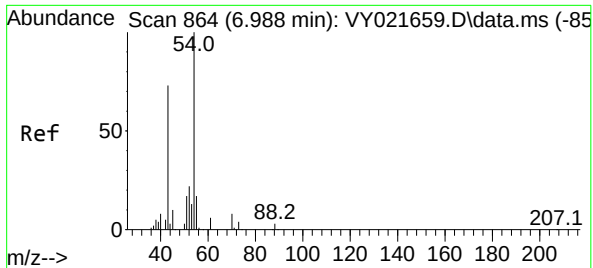
Ion Ratio Lower Upper

75 100

110 33.4 17.0 50.9

77 30.8 24.8 37.2





#37

Ethyl Acetate

Concen: 19.270 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021829.D

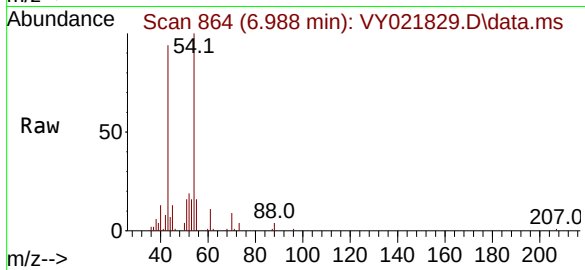
Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01



Tgt Ion: 43 Resp: 28649

Ion Ratio Lower Upper

43 100

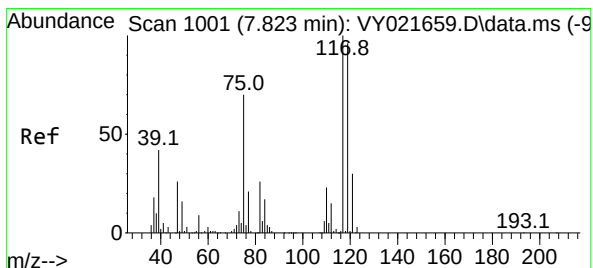
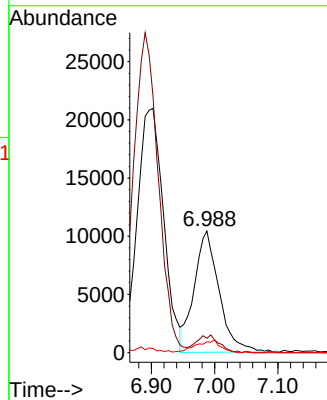
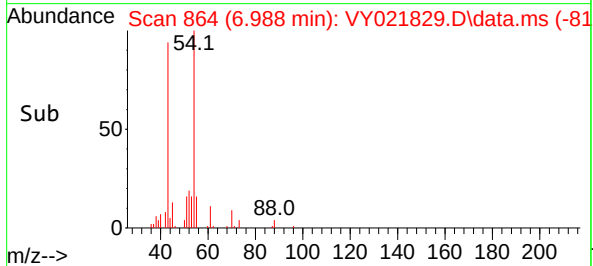
61 13.0 11.0 16.6

70 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#38

Carbon Tetrachloride

Concen: 20.093 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

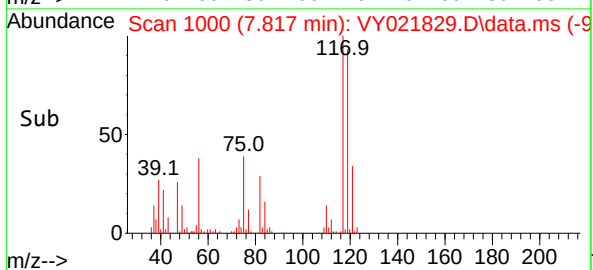
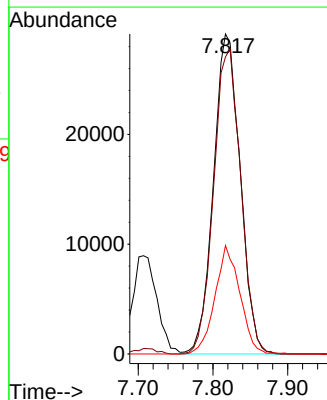
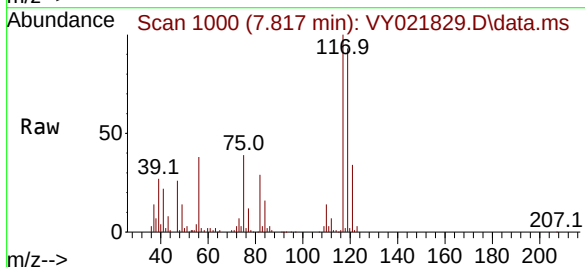
Tgt Ion:117 Resp: 72496

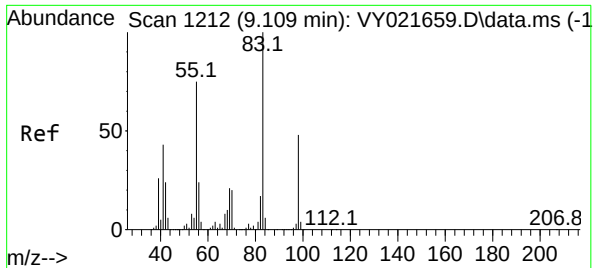
Ion Ratio Lower Upper

117 100

119 92.9 76.2 114.4

121 33.9 24.2 36.4





#39

Methylcyclohexane

Concen: 19.070 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

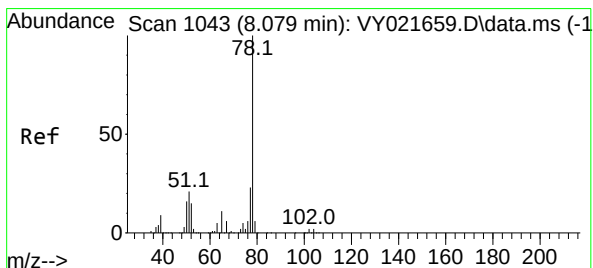
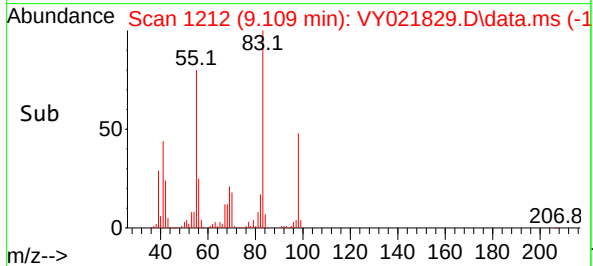
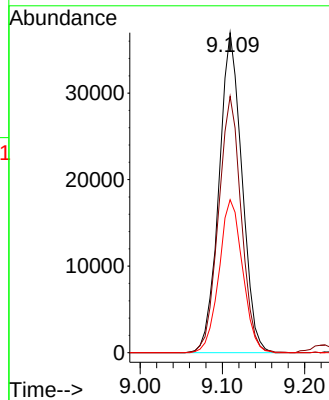
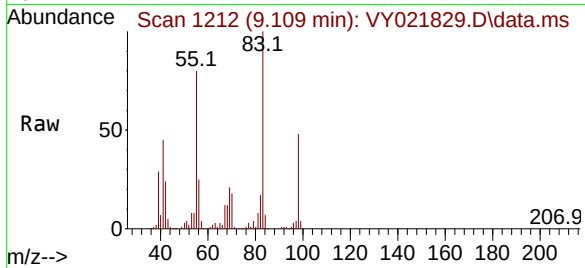
VY0410SBS01

Tgt Ion:	83	Resp:	71764
Ion	Ratio	Lower	Upper
83	100		
55	80.1	59.7	89.5
98	47.8	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#40

Benzene

Concen: 20.264 ug/l

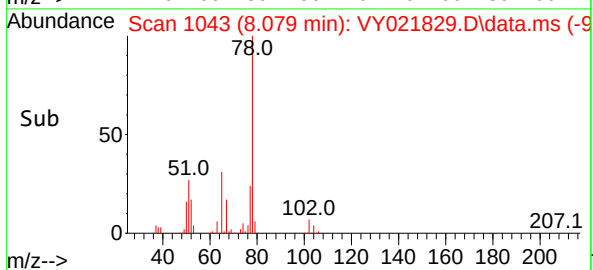
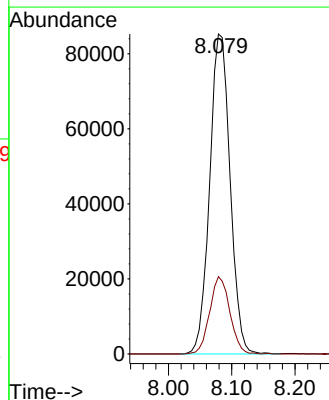
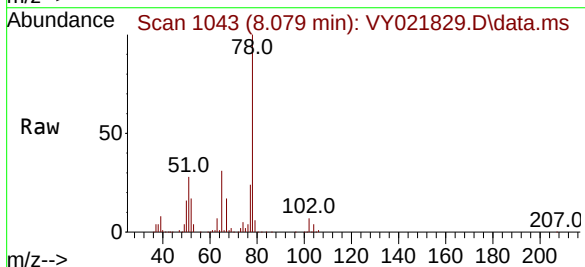
RT: 8.079 min Scan# 1043

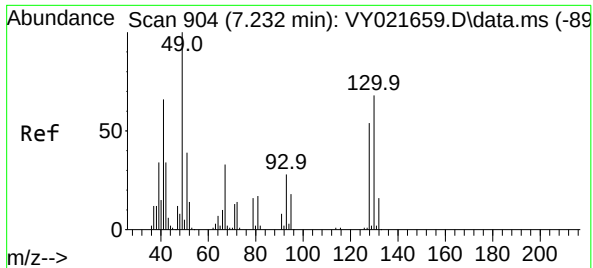
Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

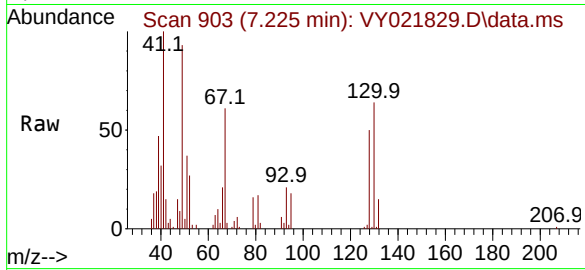
Tgt Ion:	78	Resp:	191172
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41
Methacrylonitrile
Concen: 16.509 ug/l
RT: 7.225 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

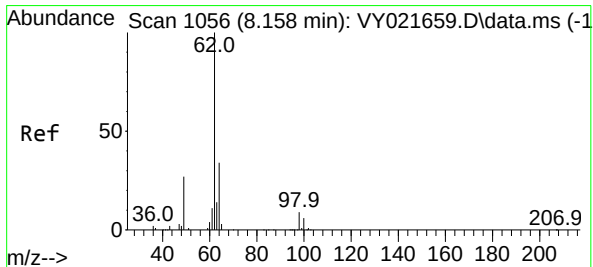
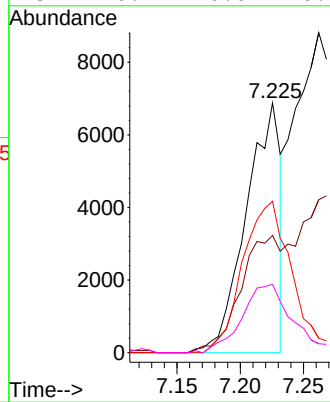
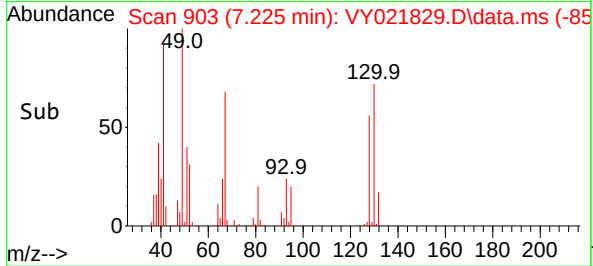
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 41 Resp: 1303
Ion Ratio Lower Upper
41 100
39 54.3 0.0 0.0
67 86.6 0.0 0.0
52 40.7 0.0 0.0

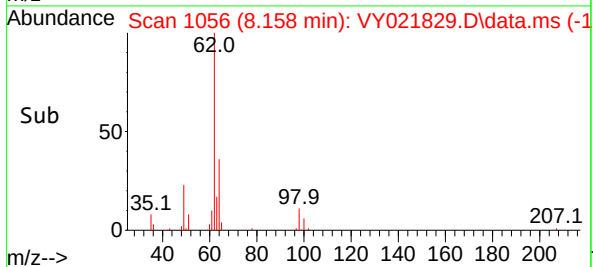
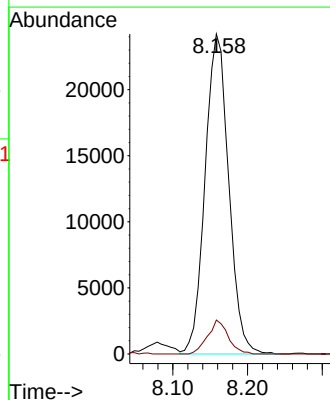
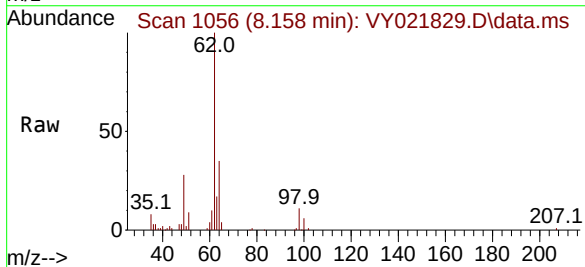
Manual Integrations
APPROVED

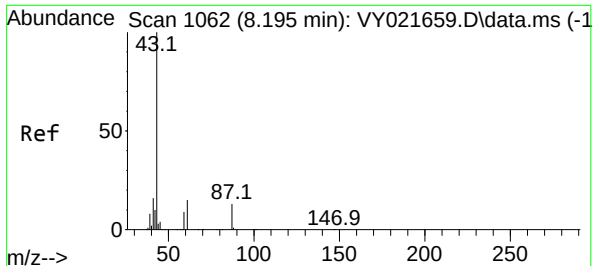
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#42
1,2-Dichloroethane
Concen: 20.013 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 62 Resp: 53226
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.689 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

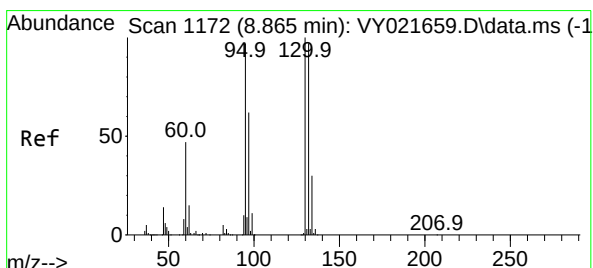
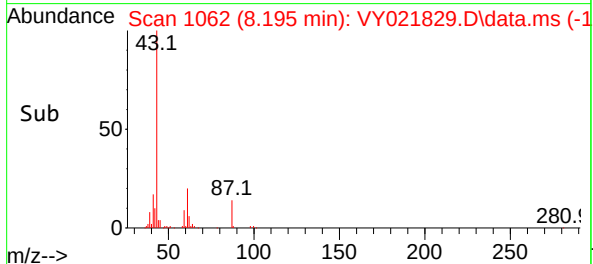
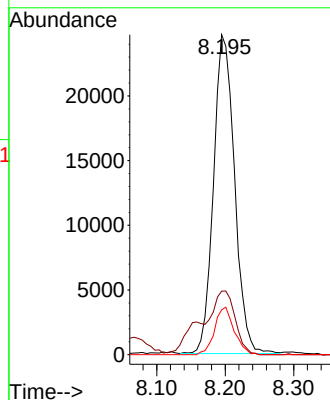
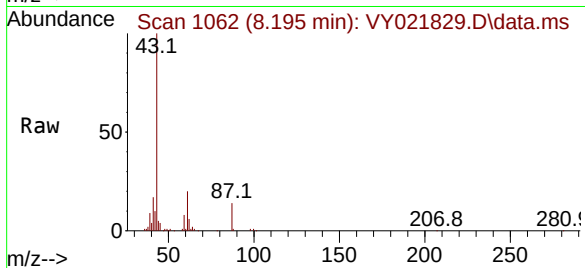
VY0410SBS01

Tgt Ion: 43	Resp: 52654
Ion Ratio	Lower Upper
43 100	
61 21.7	15.9 23.9
87 13.8	10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#44

Trichloroethene

Concen: 20.469 ug/l

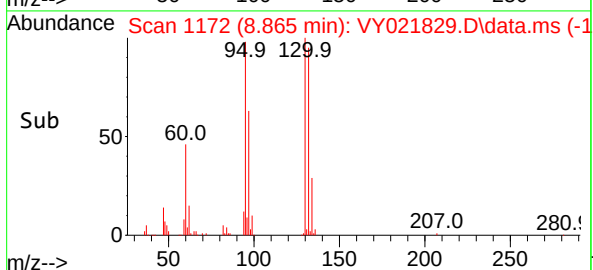
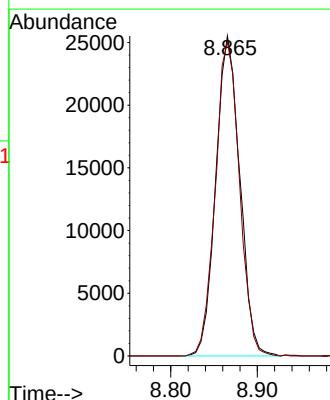
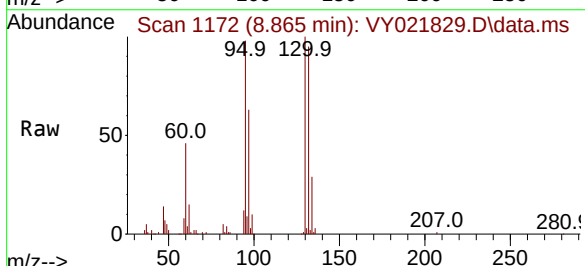
RT: 8.865 min Scan# 1172

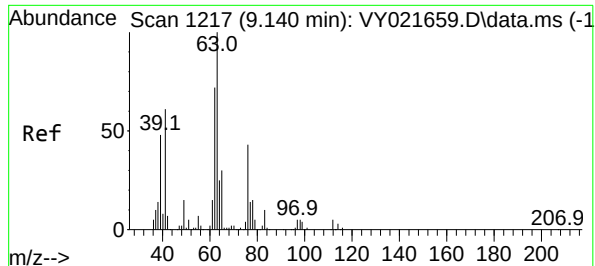
Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion:130	Resp: 49203
Ion Ratio	Lower Upper
130 100	
95 98.2	0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.309 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 63 Resp: 45352

Ion Ratio Lower Upper

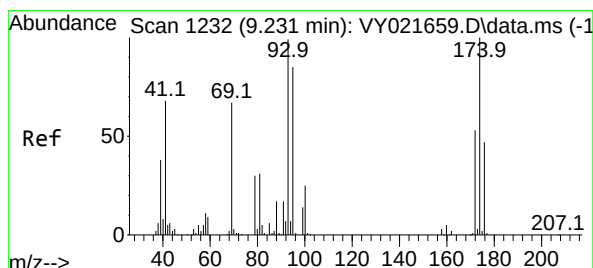
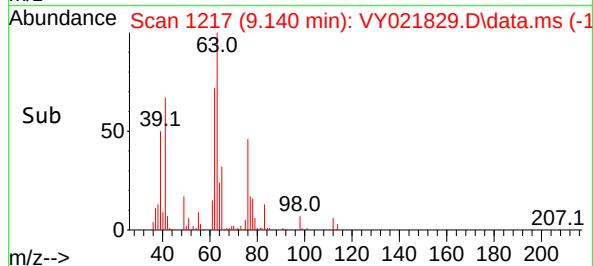
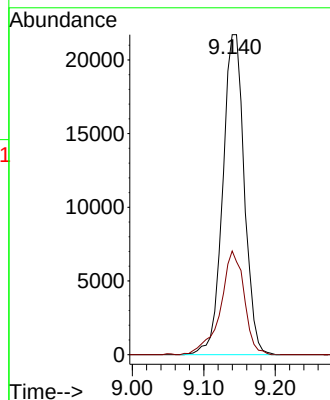
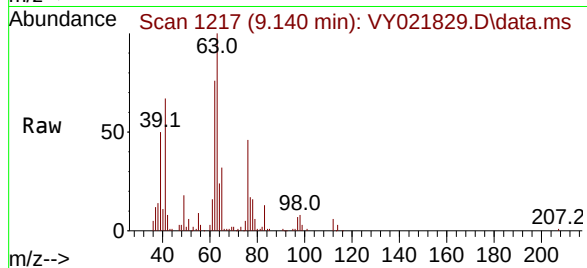
63 100

65 32.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#46

Dibromomethane

Concen: 20.368 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

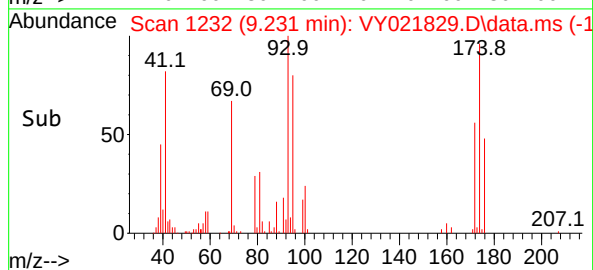
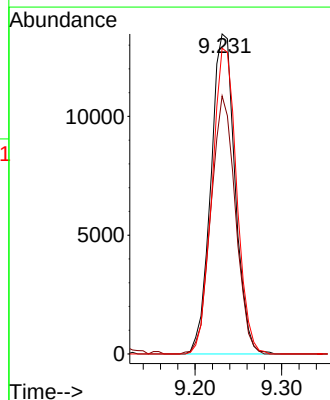
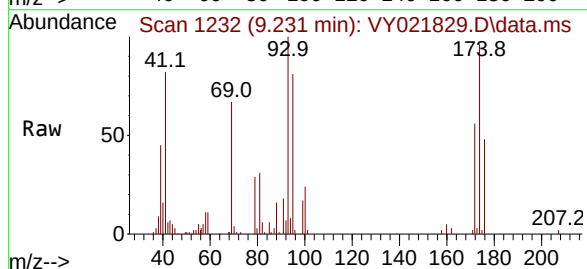
Tgt Ion: 93 Resp: 26214

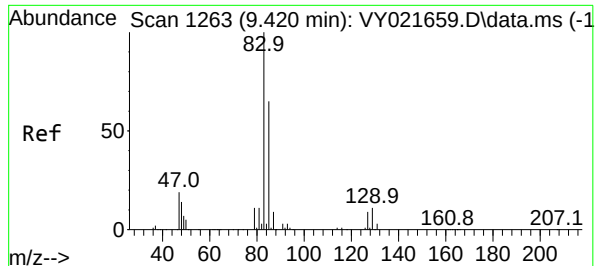
Ion Ratio Lower Upper

93 100

95 81.0 68.1 102.1

174 96.7 80.9 121.3





#47

Bromodichloromethane

Concen: 20.586 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

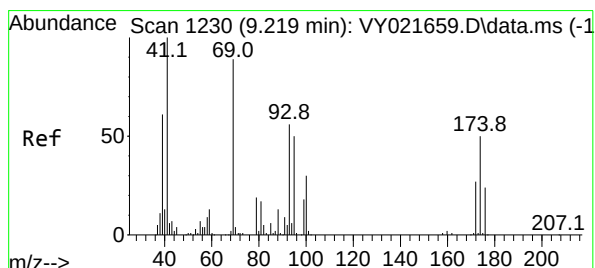
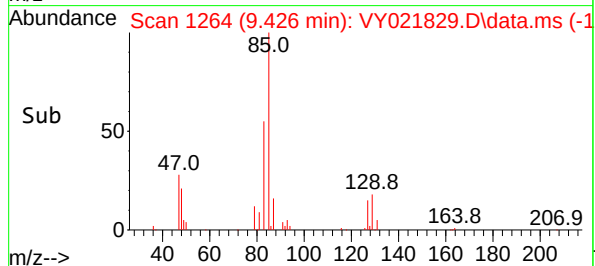
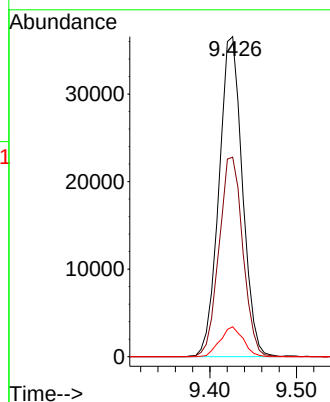
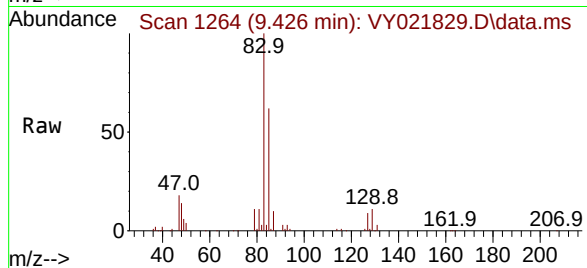
VY0410SBS01

Tgt Ion:	83	Resp:	6865
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.8	77.6
127	9.3	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#48

Methyl methacrylate

Concen: 19.167 ug/l

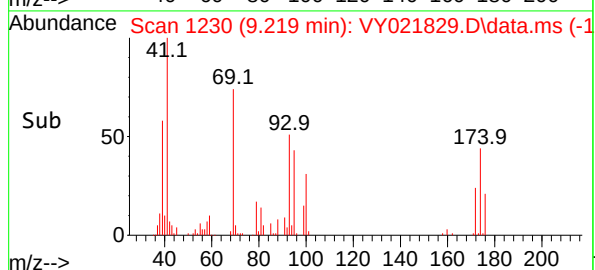
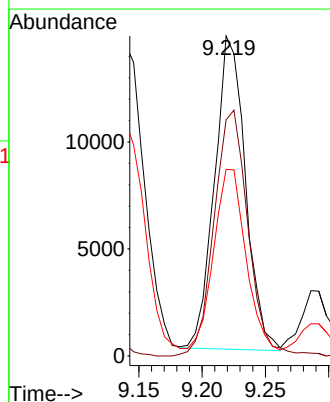
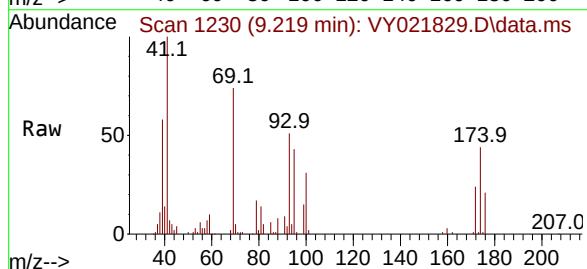
RT: 9.219 min Scan# 1230

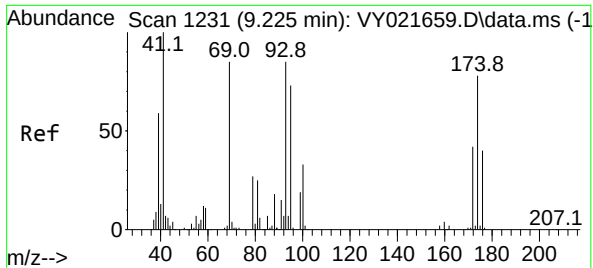
Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion:	41	Resp:	24785
Ion Ratio	Lower	Upper	
41	100		
69	86.3	69.8	104.8
39	60.1	47.2	70.8





#49

1,4-Dioxane

Concen: 384.711 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBSD01

Tgt Ion: 88 Resp: 5304

Ion Ratio Lower Upper

88 100

43 39.7 28.8 43.2

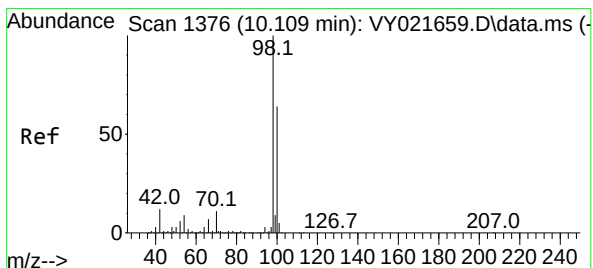
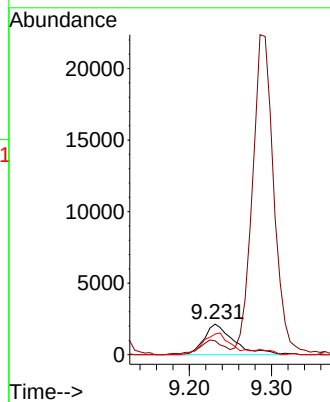
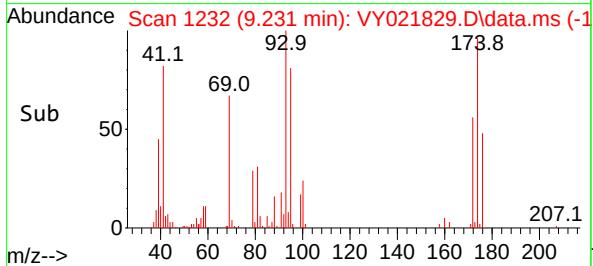
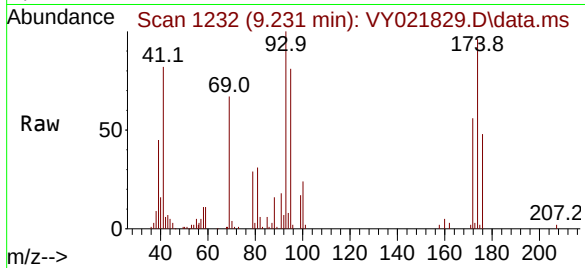
58 66.6 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#50

Toluene-d8

Concen: 51.348 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021829.D

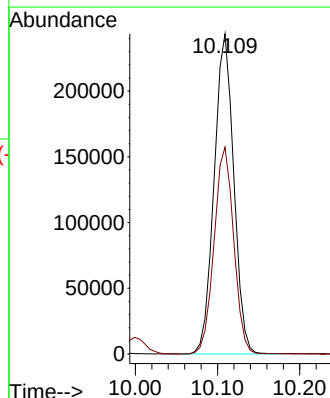
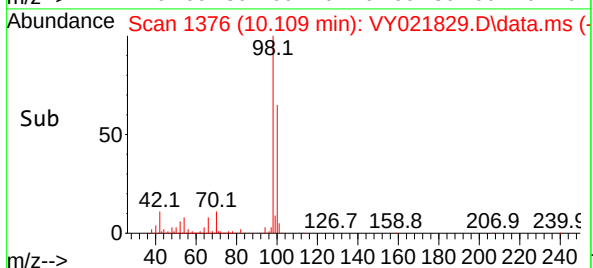
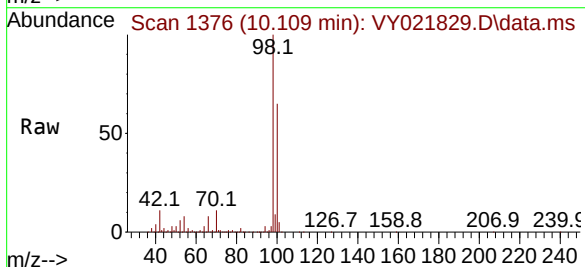
Acq: 10 Apr 2025 11:22

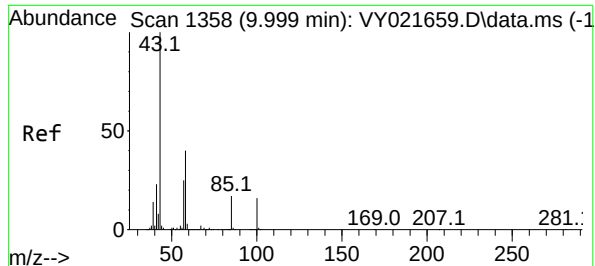
Tgt Ion: 98 Resp: 404007

Ion Ratio Lower Upper

98 100

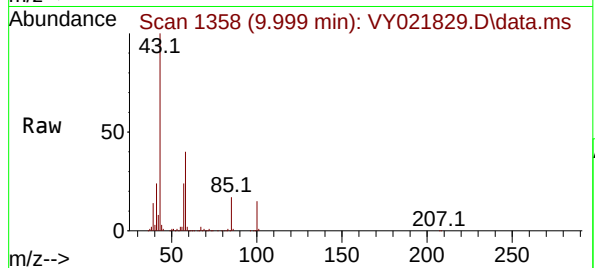
100 64.5 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 95.979 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

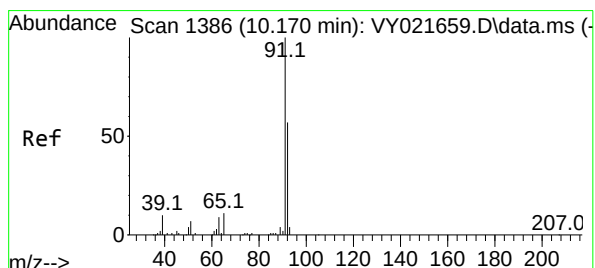
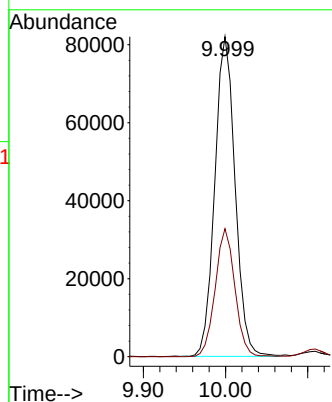
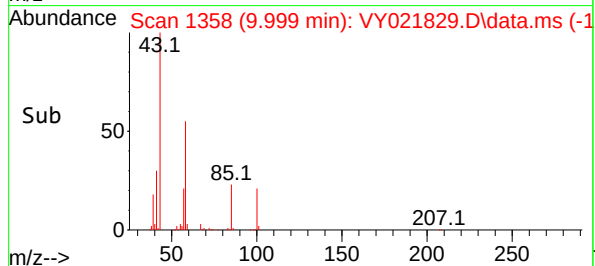
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



Tgt Ion: 43 Resp: 140720
Ion Ratio Lower Upper
43 100
58 38.9 31.5 47.3

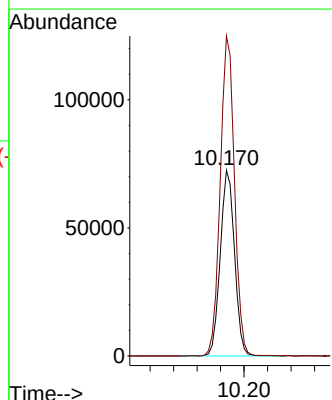
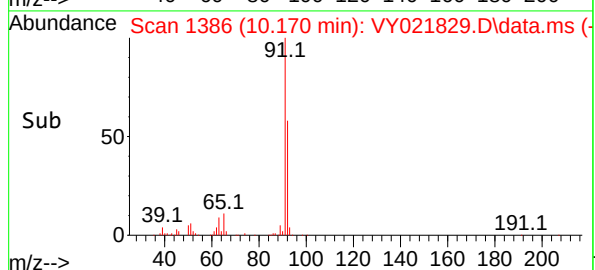
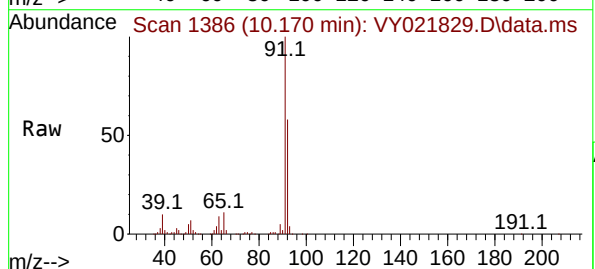
Manual Integrations
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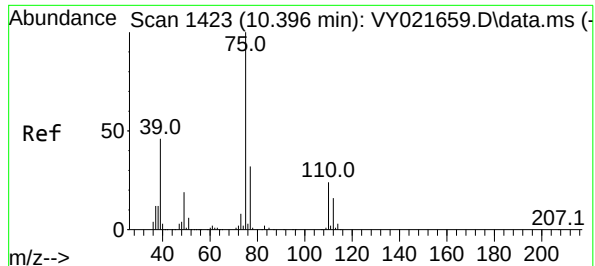
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#52
Toluene
Concen: 20.730 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 92 Resp: 122020
Ion Ratio Lower Upper
92 100
91 171.9 138.6 207.8





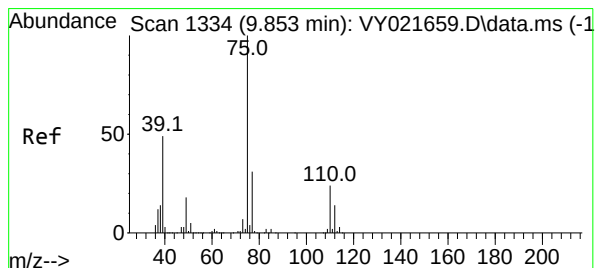
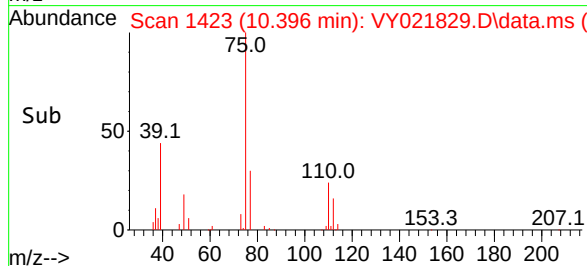
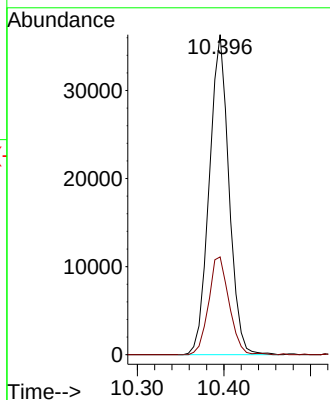
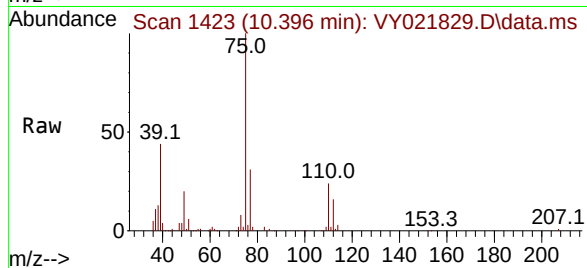
#53
t-1,3-Dichloropropene
Concen: 19.343 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Tgt Ion: 75 Resp: 57294
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9

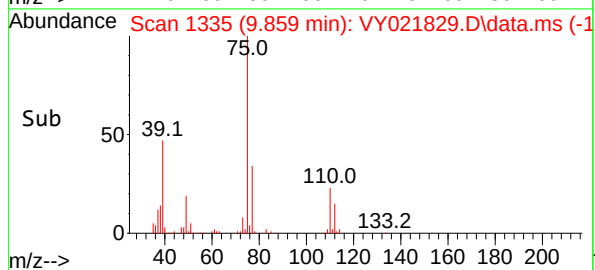
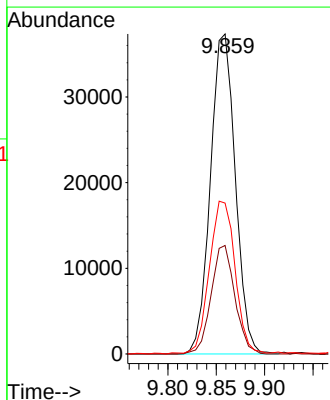
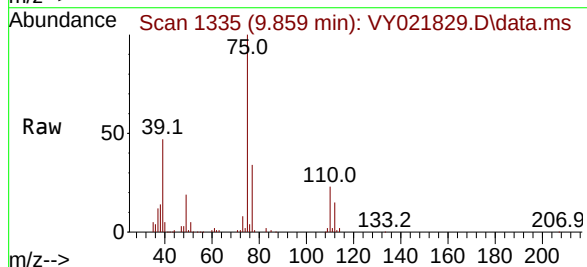
Manual Integrations
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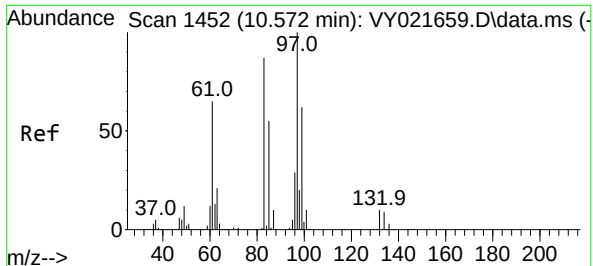
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#54
cis-1,3-Dichloropropene
Concen: 19.145 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

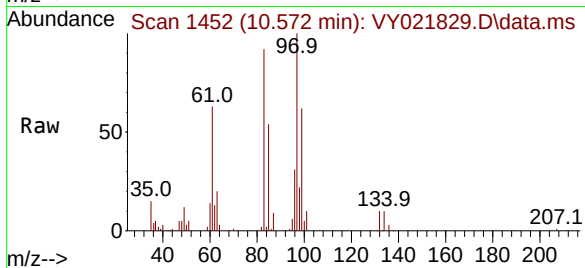
Tgt Ion: 75 Resp: 66901
Ion Ratio Lower Upper
75 100
77 33.9 24.9 37.3
39 46.8 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 20.698 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

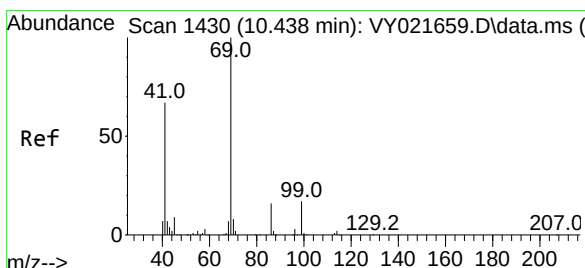
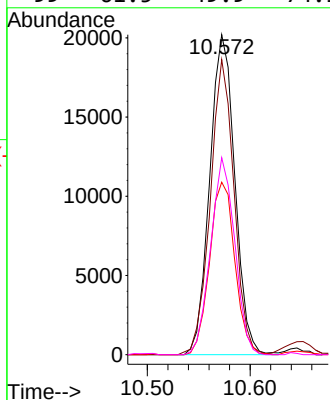
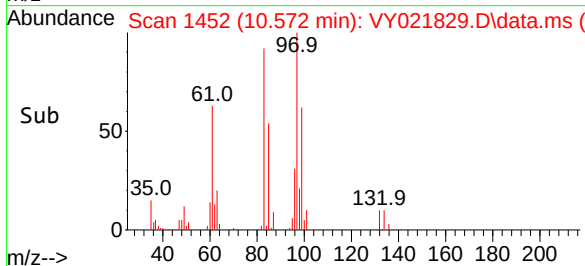
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



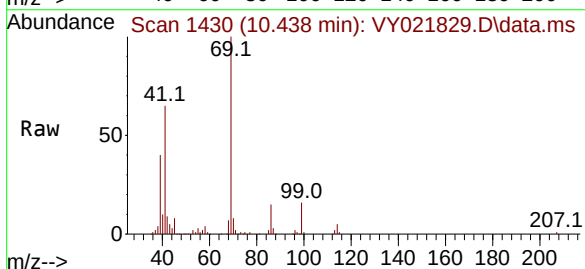
Tgt Ion: 97 Resp: 34280
Ion Ratio Lower Upper
97 100
83 92.2 69.5 104.3
85 53.9 43.9 65.9
99 61.5 49.9 74.9

Manual Integrations
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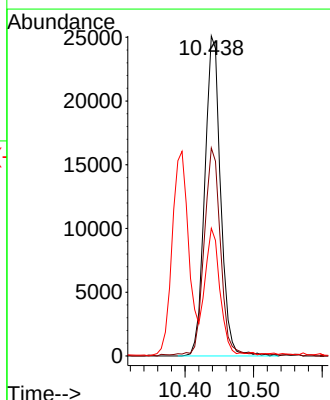
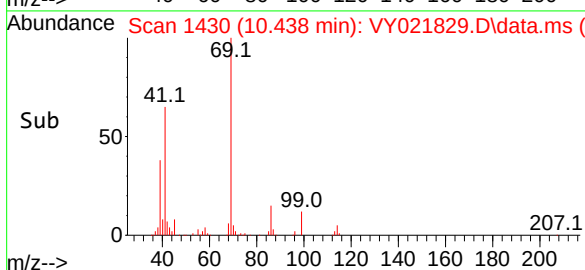
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

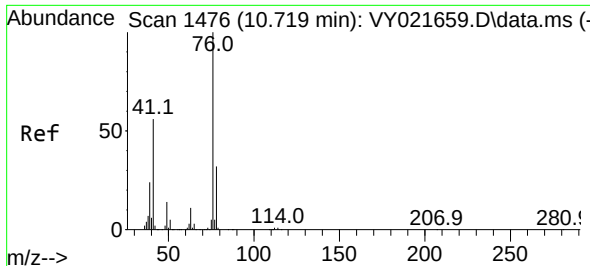


#56
Ethyl methacrylate
Concen: 19.076 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



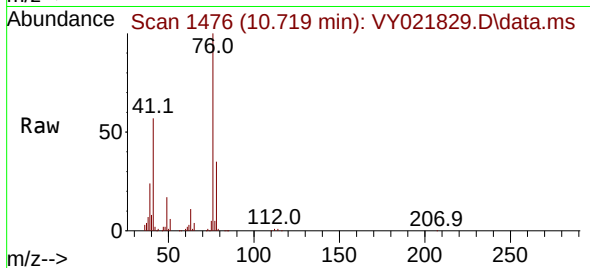
Tgt Ion: 69 Resp: 40341
Ion Ratio Lower Upper
69 100
41 68.7 53.8 80.6
39 36.2 29.6 44.4





#57
1,3-Dichloropropane
Concen: 20.300 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

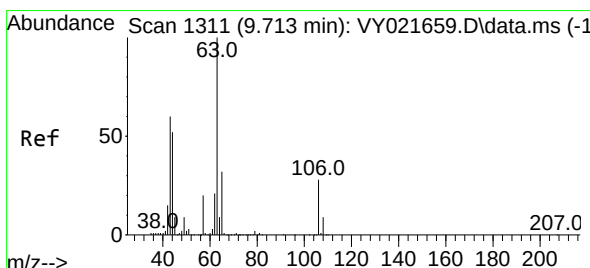
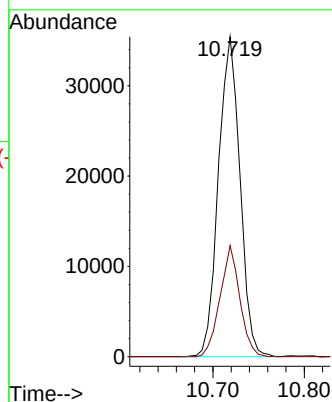
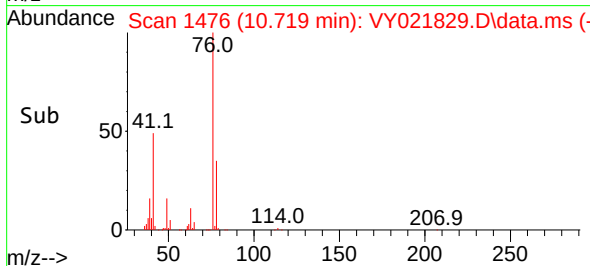
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 76 Resp: 58064
Ion Ratio Lower Upper
76 100
78 31.9 25.8 38.8

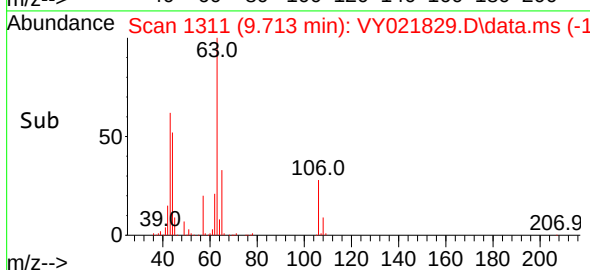
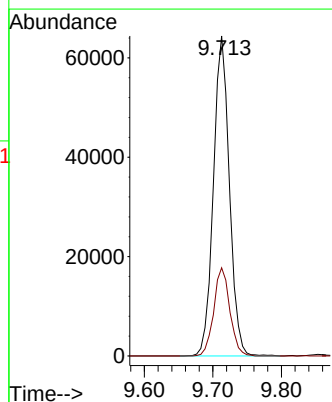
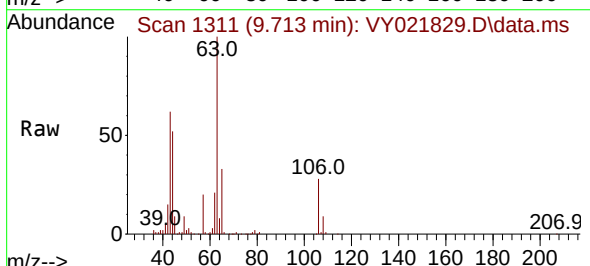
Manual Integrations
APPROVED

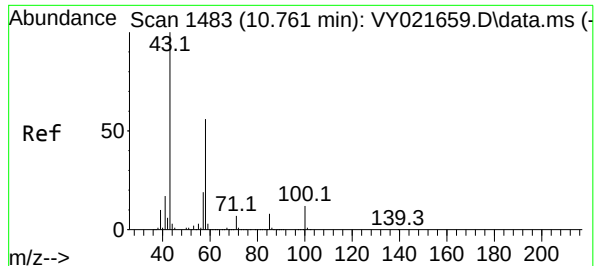
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#58
2-Chloroethyl Vinyl ether
Concen: 100.892 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 63 Resp: 104087
Ion Ratio Lower Upper
63 100
106 27.7 22.4 33.6





#59

2-Hexanone

Concen: 94.709 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 43 Resp: 92479

Ion Ratio Lower Upper

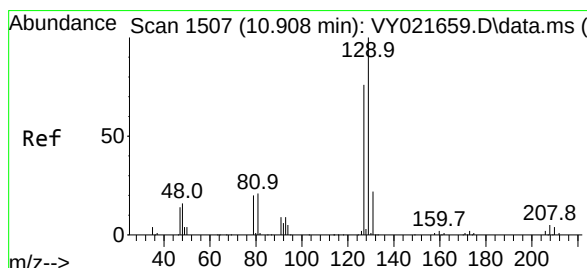
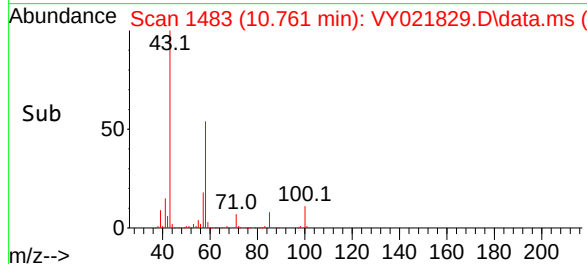
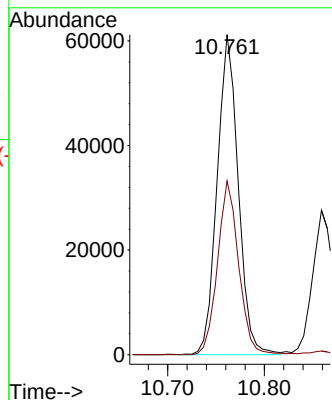
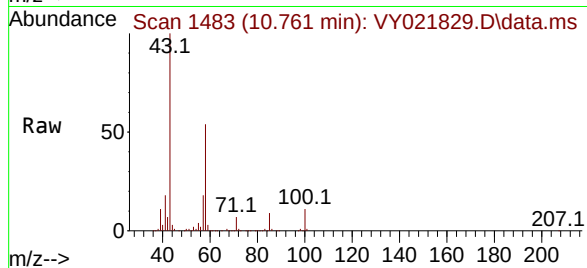
43 100

58 54.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#60

Dibromochloromethane

Concen: 20.753 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021829.D

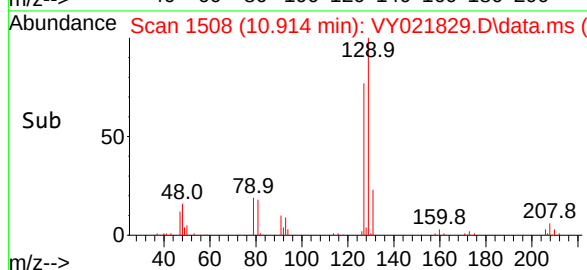
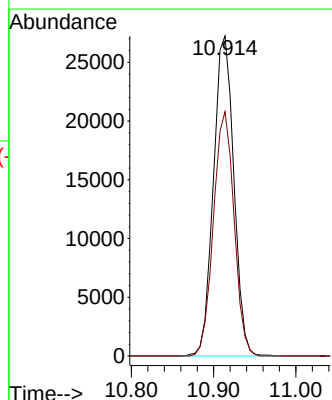
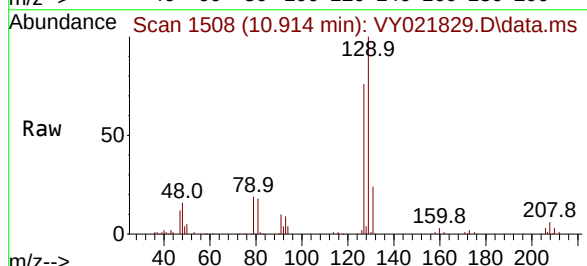
Acq: 10 Apr 2025 11:22

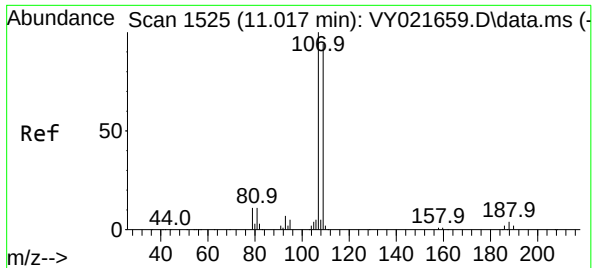
Tgt Ion:129 Resp: 46927

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.7





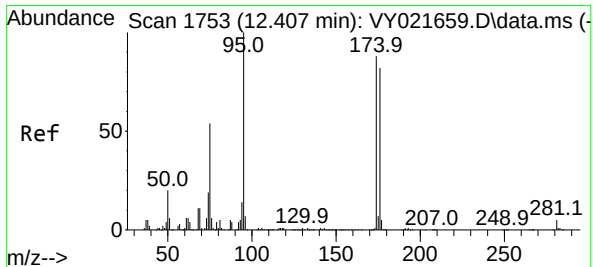
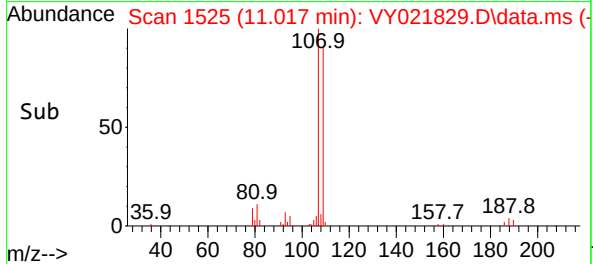
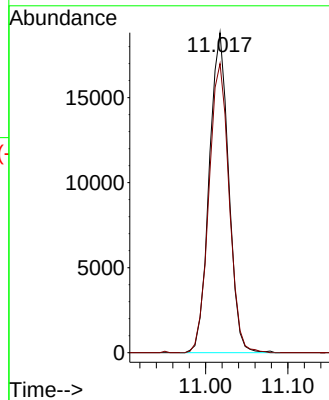
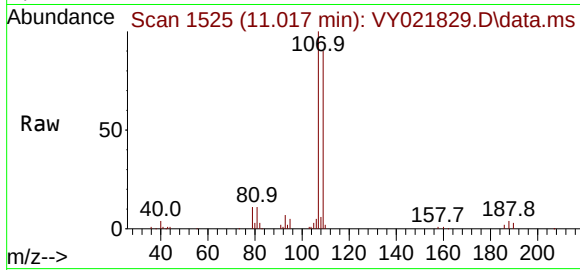
#61
1,2-Dibromoethane
Concen: 19.853 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:107 Resp: 30849
Ion Ratio Lower Upper
107 100
109 94.1 74.4 111.6

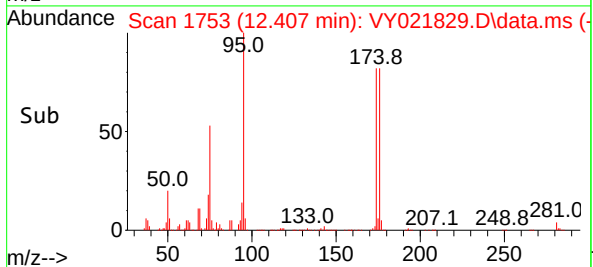
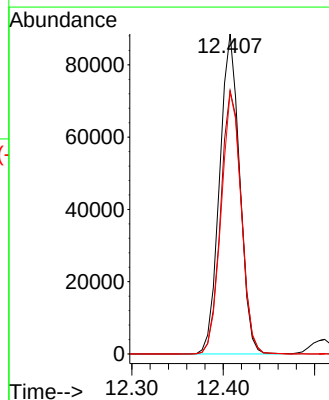
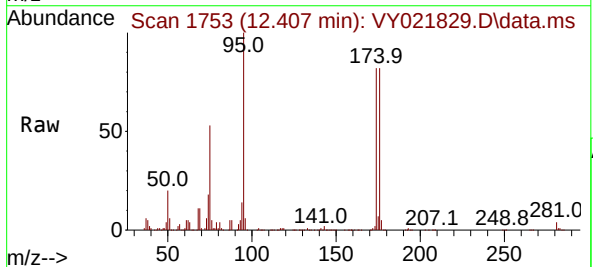
Manual Integrations
APPROVED

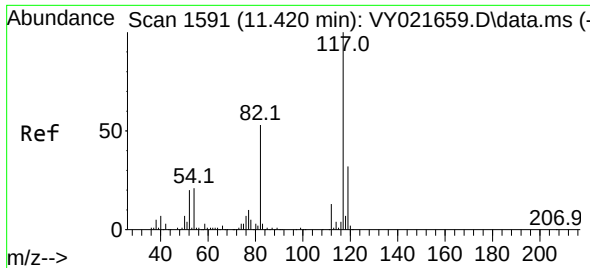
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#62
4-Bromofluorobenzene
Concen: 50.726 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

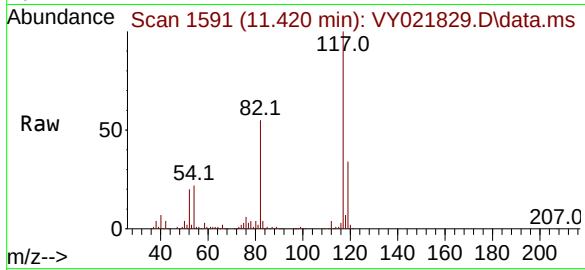
Tgt Ion: 95 Resp: 134999
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 82.0 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

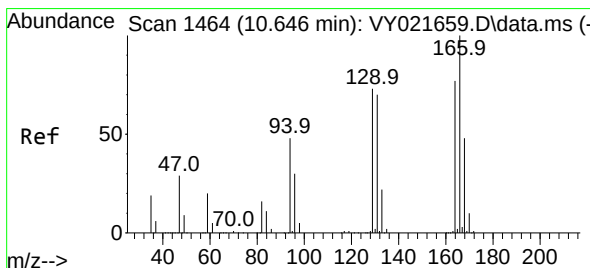
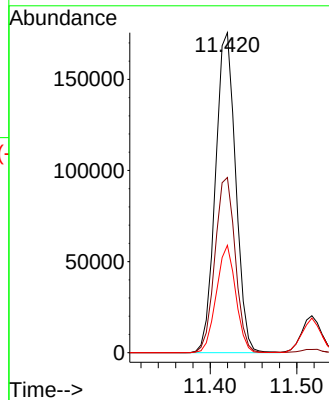
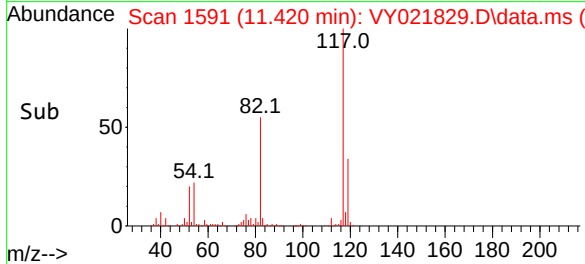
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



Tgt Ion:117 Resp: 28439
Ion Ratio Lower Upper
117 100
82 54.8 42.8 64.2
119 33.5 25.7 38.5

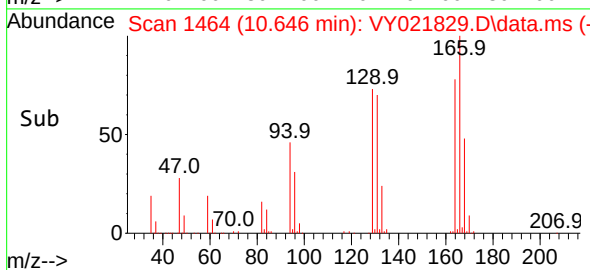
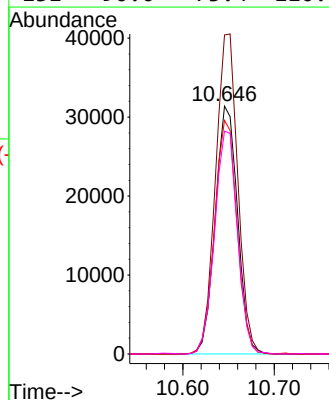
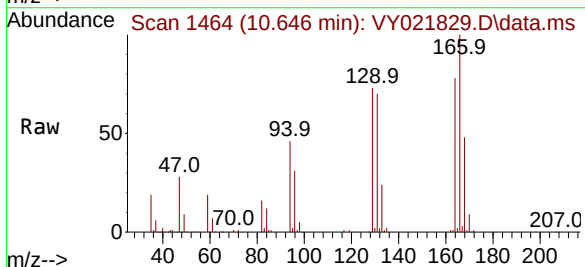
Manual Integrations
APPROVED

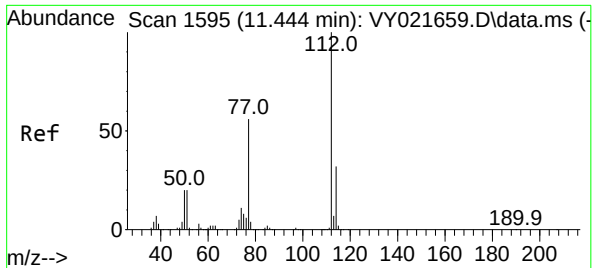
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#64
Tetrachloroethene
Concen: 20.569 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

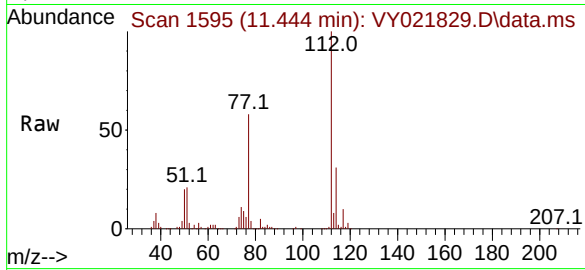
Tgt Ion:164 Resp: 53276
Ion Ratio Lower Upper
164 100
166 128.7 104.6 156.8
129 94.3 76.6 114.8
131 90.0 73.4 110.0





#65
Chlorobenzene
Concen: 20.086 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

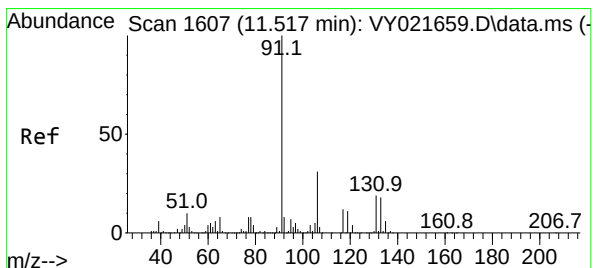
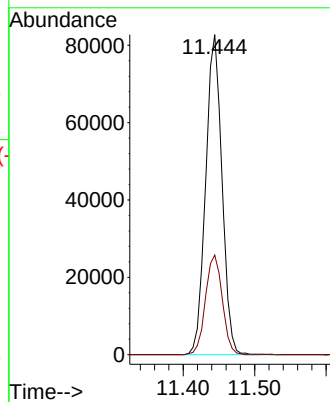
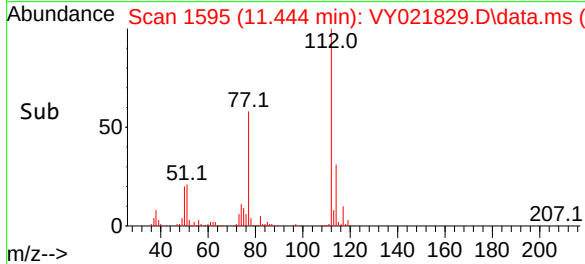
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



Tgt Ion:112 Resp: 130948
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

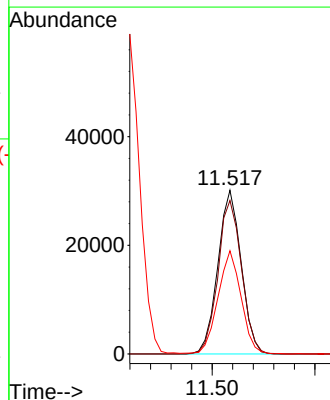
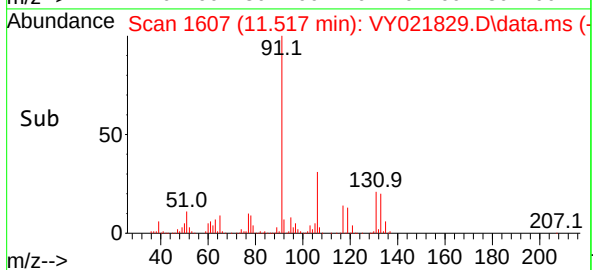
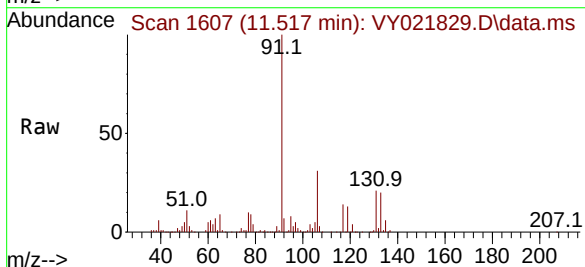
Manual Integrations
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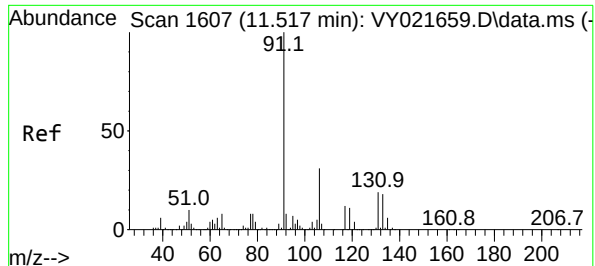
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.482 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

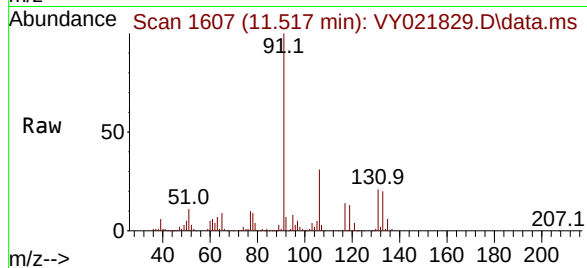
Tgt Ion:131 Resp: 47375
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 62.6 31.6 95.0





#67
Ethyl Benzene
Concen: 19.866 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

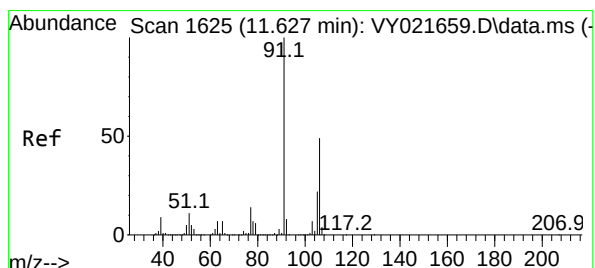
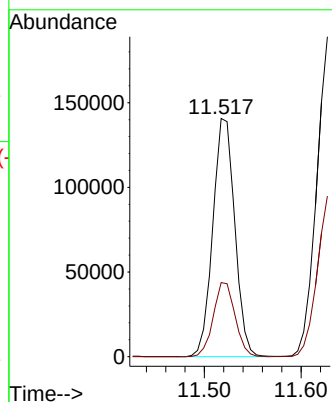
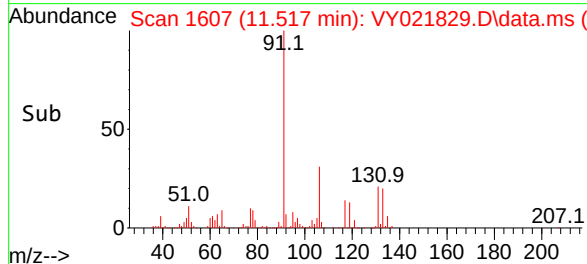
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



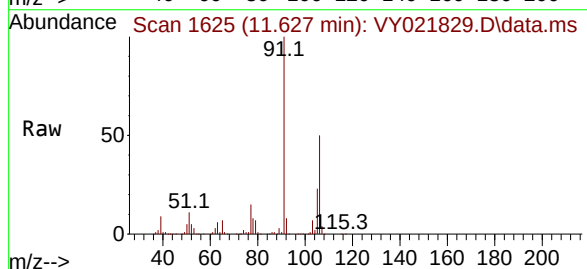
Tgt Ion: 91 Resp: 22208
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

Manual Integrations
APPROVED

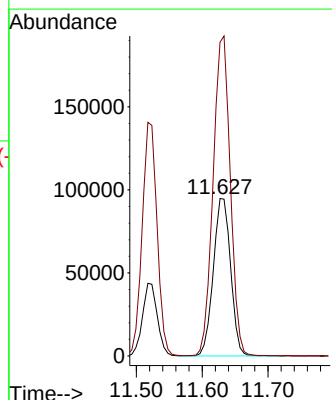
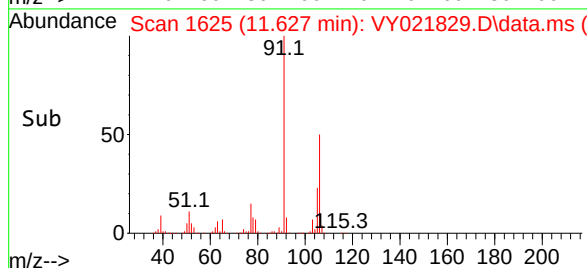
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

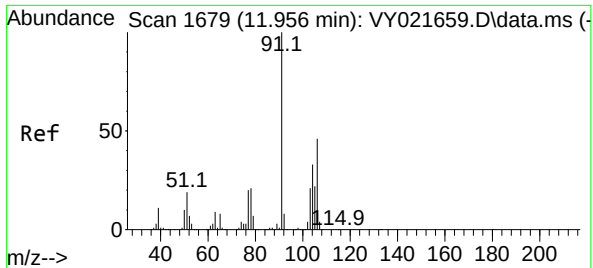


#68
m/p-Xylenes
Concen: 40.629 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



Tgt Ion:106 Resp: 173922
Ion Ratio Lower Upper
106 100
91 201.5 162.4 243.6





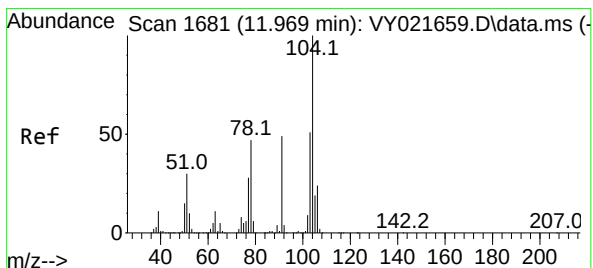
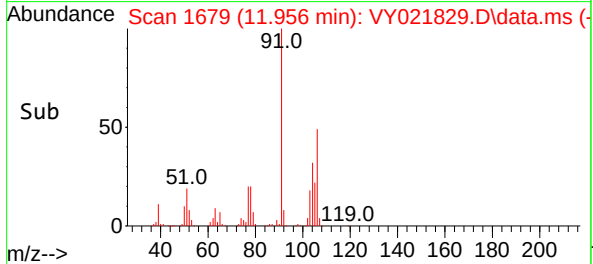
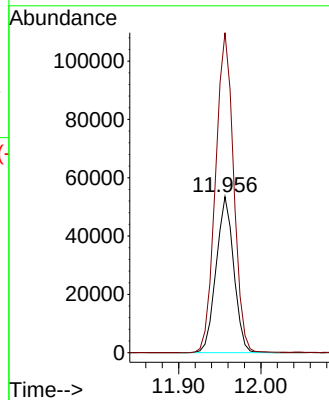
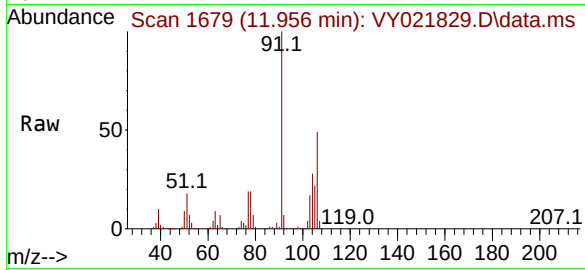
#69
o-Xylene
Concen: 20.194 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Tgt Ion:106 Resp: 79790
Ion Ratio Lower Upper
106 100
91 211.0 106.7 319.9

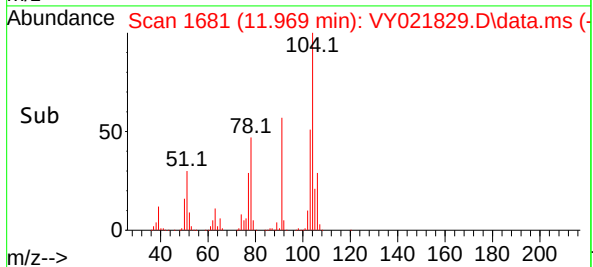
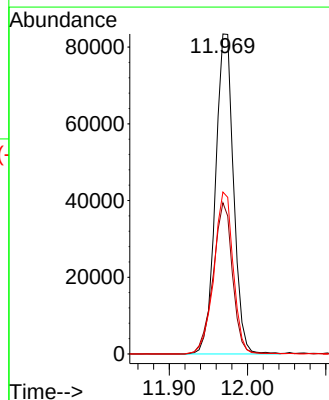
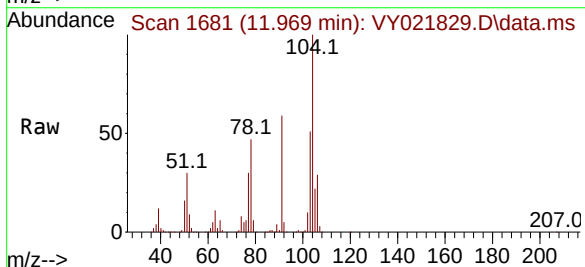
Manual Integrations
APPROVED

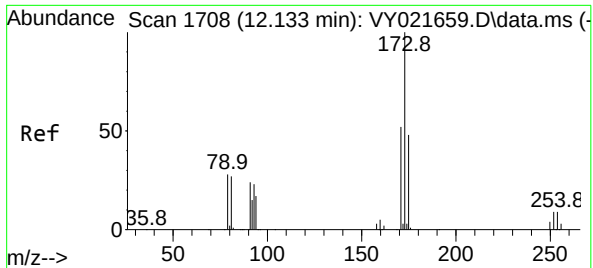
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#70
Styrene
Concen: 20.298 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

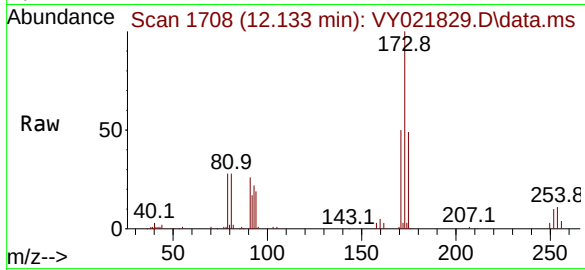
Tgt Ion:104 Resp: 133731
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 54.0 44.2 66.2





#71
Bromoform
Concen: 20.187 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

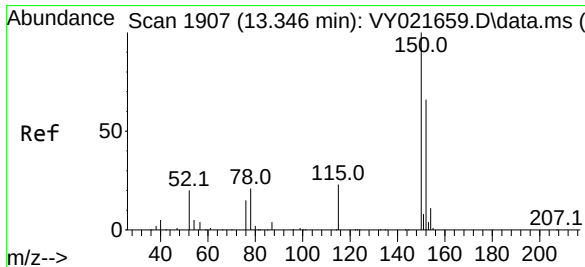
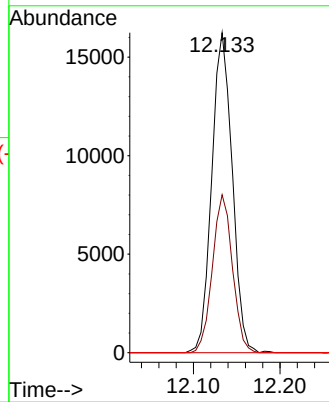
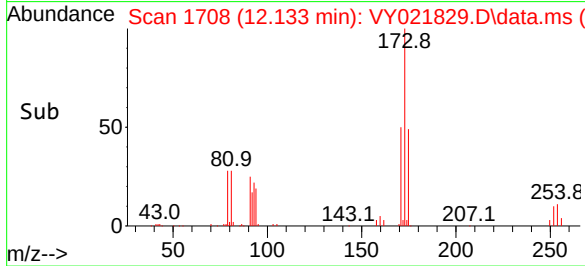
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



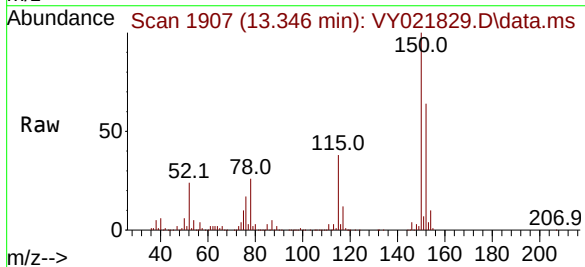
Tgt Ion:173 Resp: 26634
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

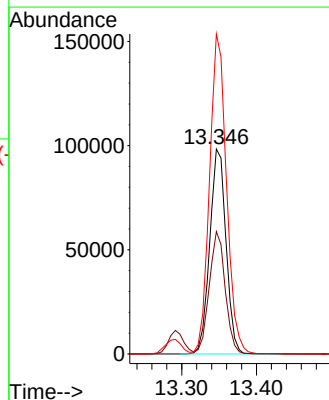
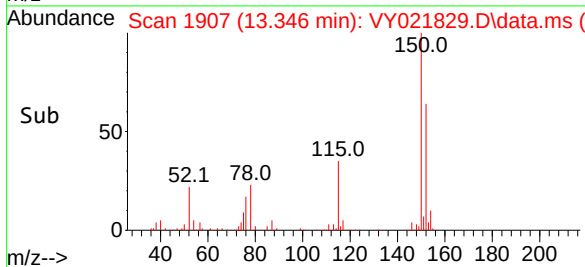
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

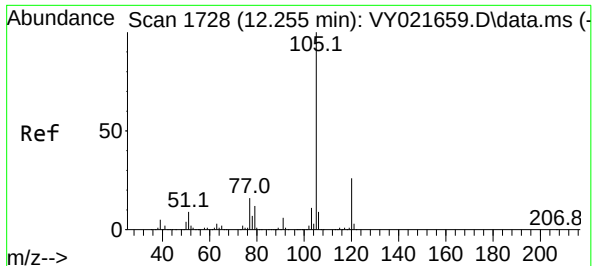


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



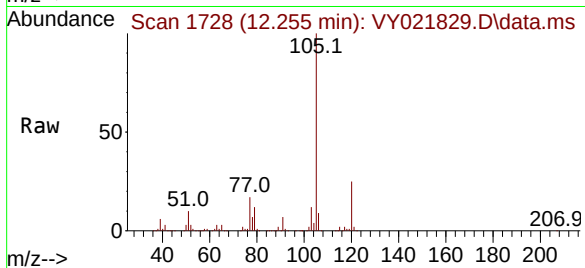
Tgt Ion:152 Resp: 148690
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 162.6 0.0 348.4





#73
Isopropylbenzene
Concen: 19.089 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

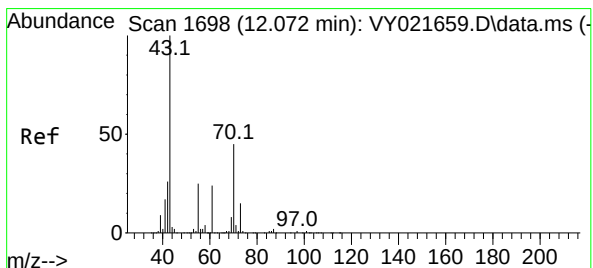
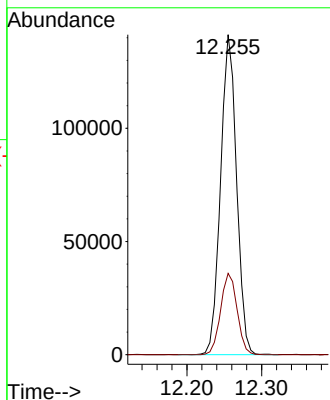
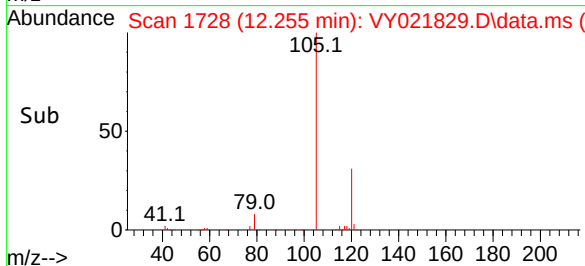
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01



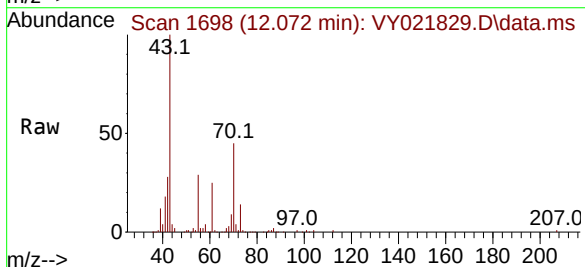
Tgt Ion: 105 Resp: 21081
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

Manual Integrations
APPROVED

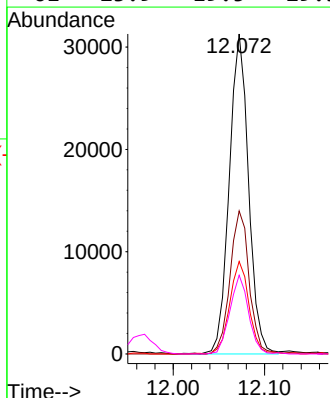
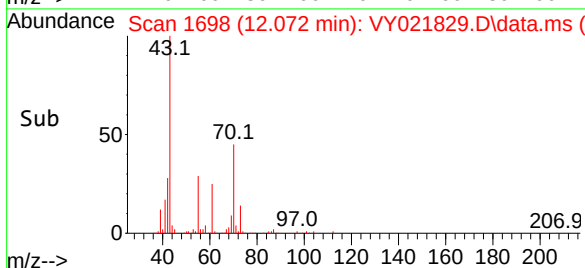
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

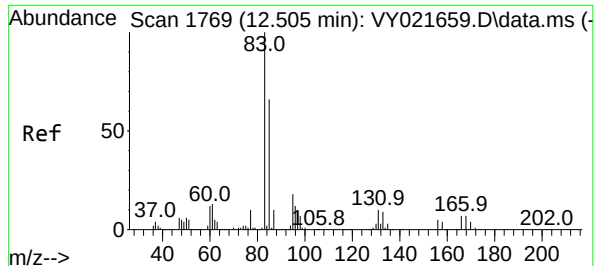


#74
N-ethyl acetate
Concen: 17.737 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



Tgt Ion: 43 Resp: 45971
Ion Ratio Lower Upper
43 100
70 44.4 34.7 52.1
55 29.2 21.2 31.8
61 23.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.640 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion: 83 Resp: 3701

Ion Ratio Lower Upper

83 100

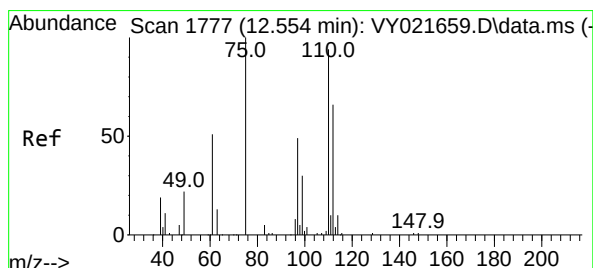
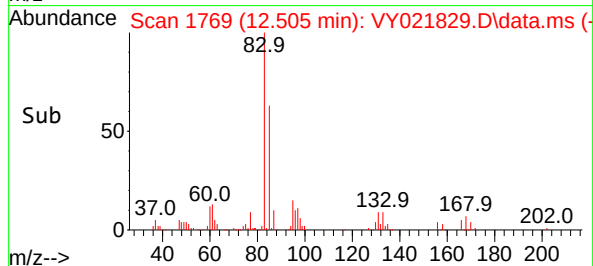
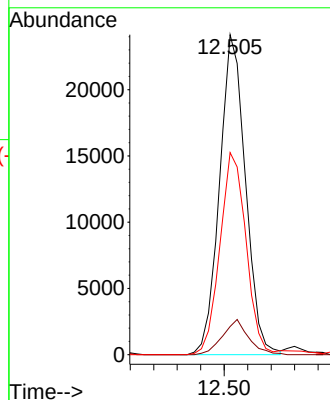
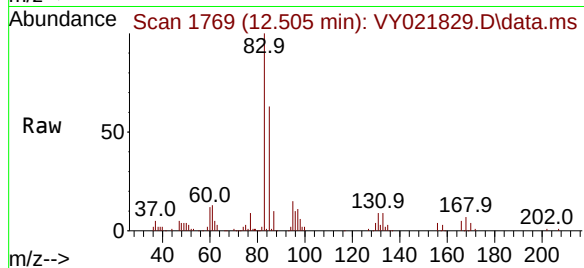
131 11.0 5.1 15.3

85 64.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#76

1,2,3-Trichloropropane

Concen: 20.310 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY021829.D

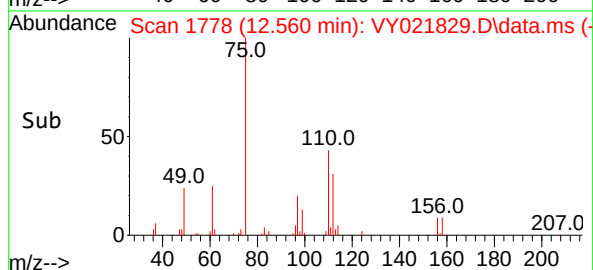
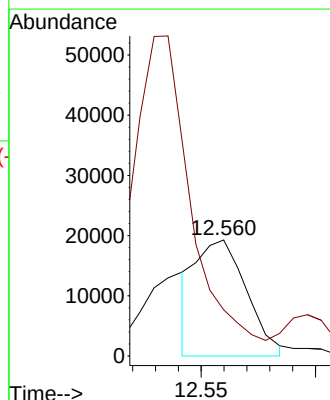
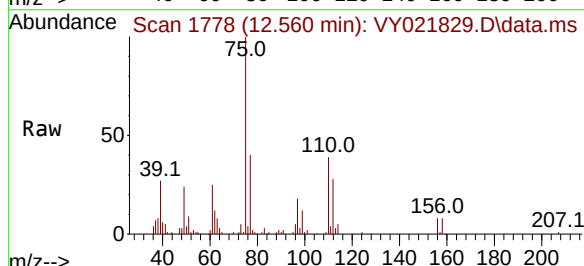
Acq: 10 Apr 2025 11:22

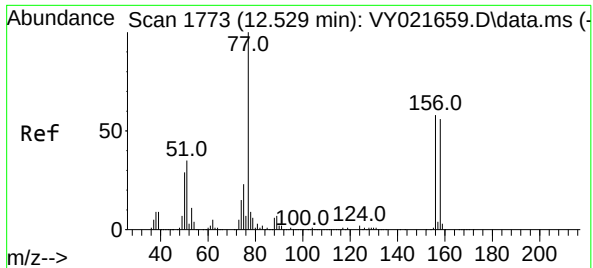
Tgt Ion: 75 Resp: 29935

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.588 ug/l

RT: 12.535 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

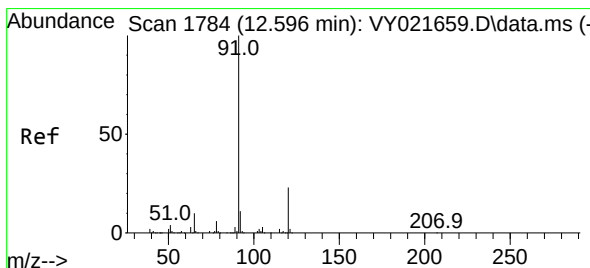
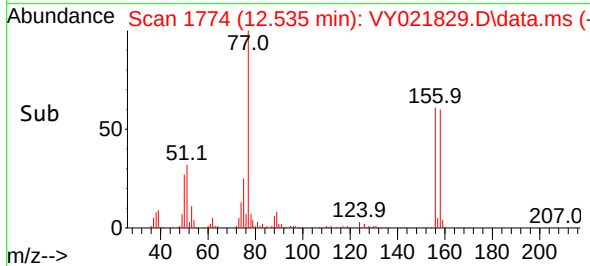
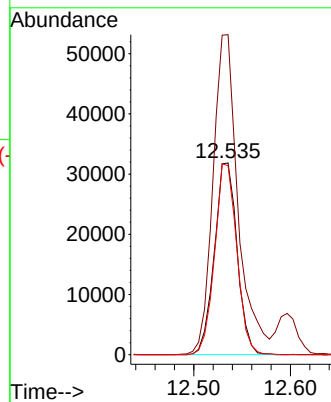
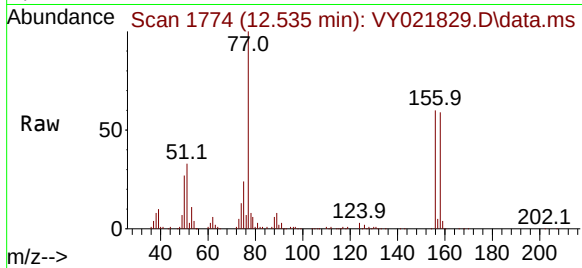
VY0410SBS01

Tgt Ion:	156	Resp:	51940
Ion Ratio	Lower	Upper	
156	100		
77	184.4	92.8	278.3
158	96.9	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#78

n-propylbenzene

Concen: 19.747 ug/l

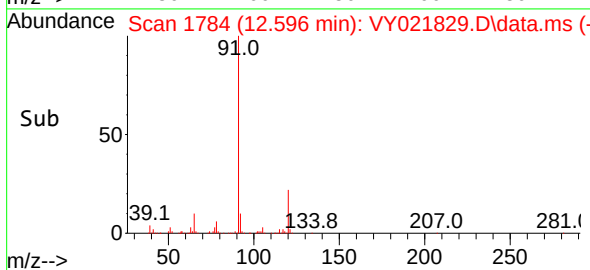
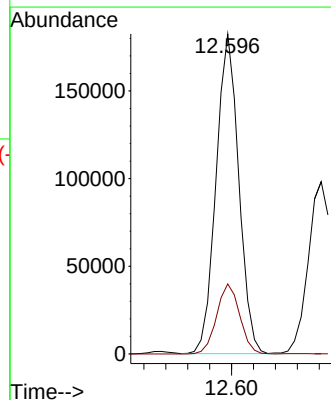
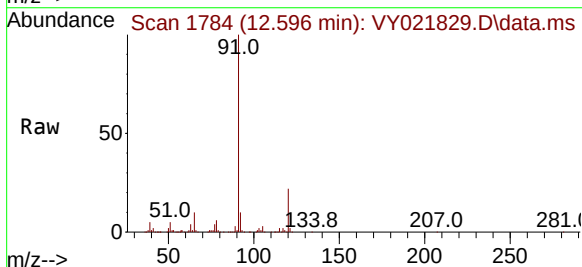
RT: 12.596 min Scan# 1784

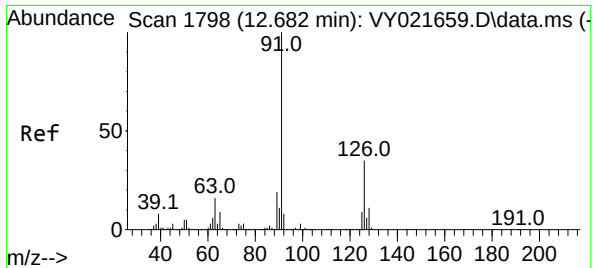
Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Tgt Ion:	91	Resp:	262187
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9





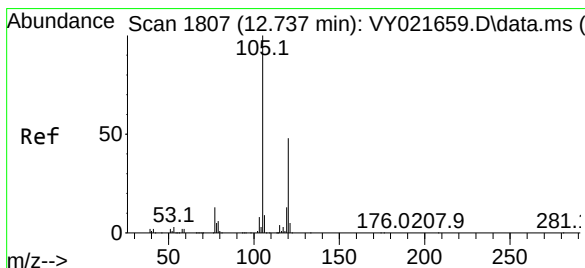
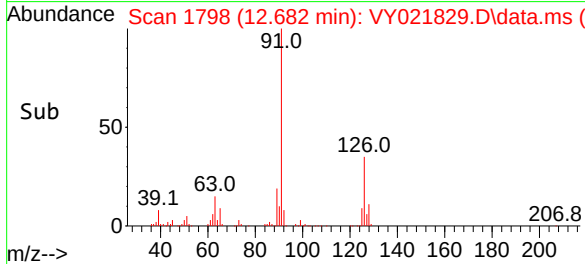
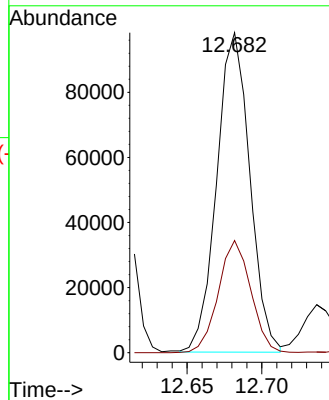
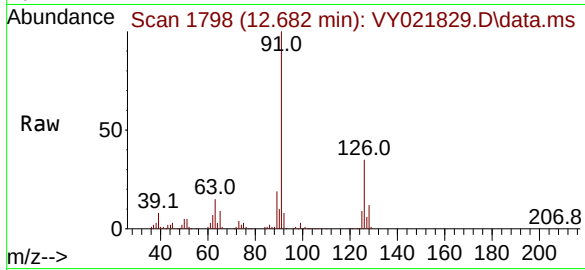
#79
2-Chlorotoluene
Concen: 19.580 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion: 91 Resp: 15099
Ion Ratio Lower Upper
91 100
126 34.4 17.3 52.0

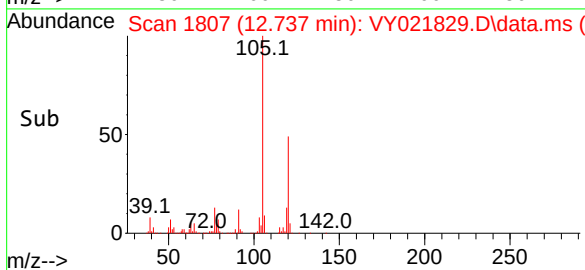
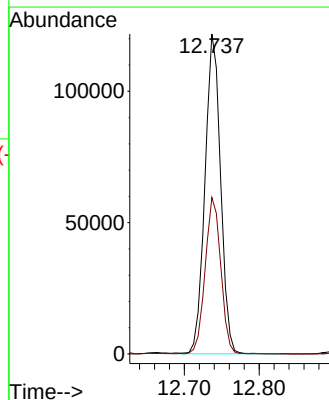
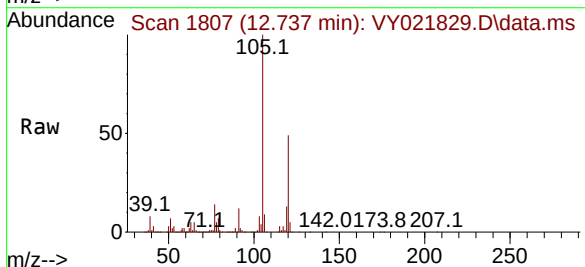
Manual Integrations
APPROVED

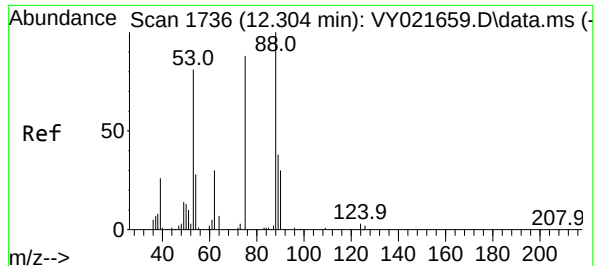
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.547 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

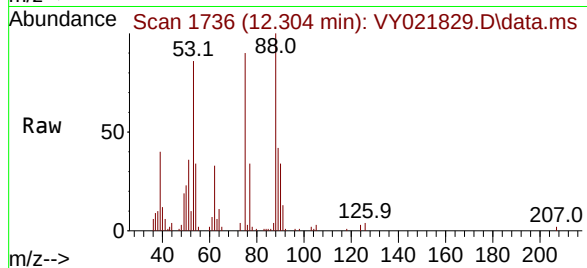
Tgt Ion:105 Resp: 176431
Ion Ratio Lower Upper
105 100
120 48.8 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 16.904 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

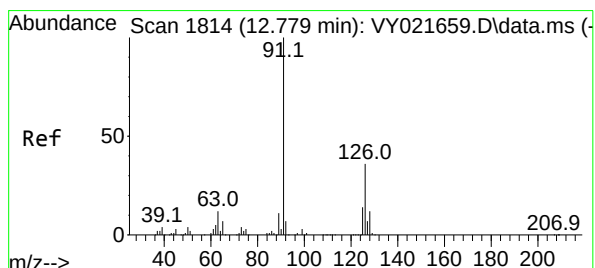
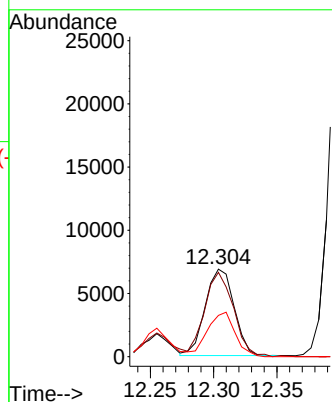
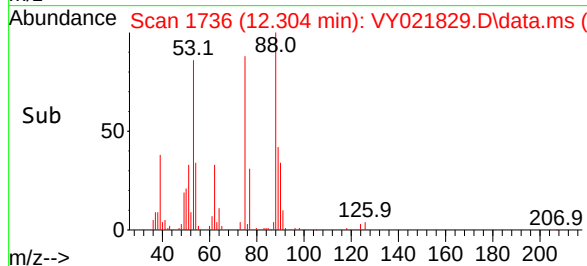
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
53 98.3 76.1 114.1
89 49.4 36.2 54.4

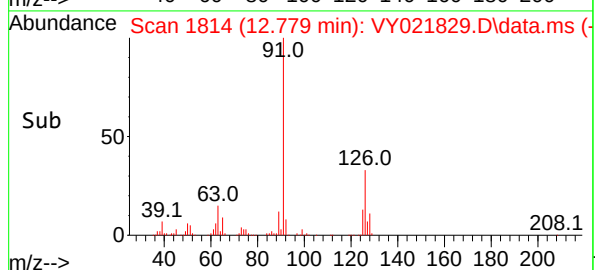
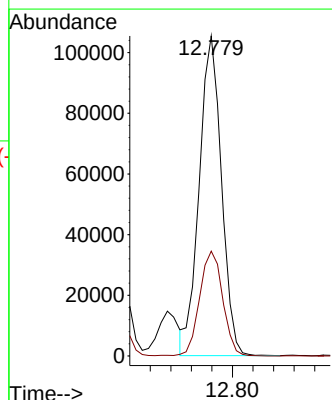
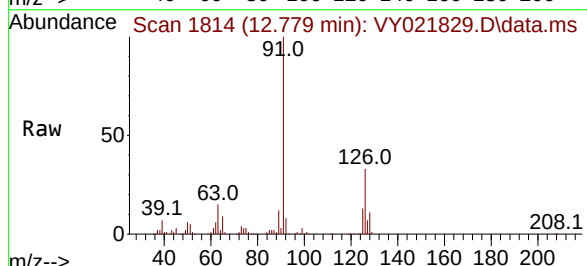
Manual Integrations
APPROVED

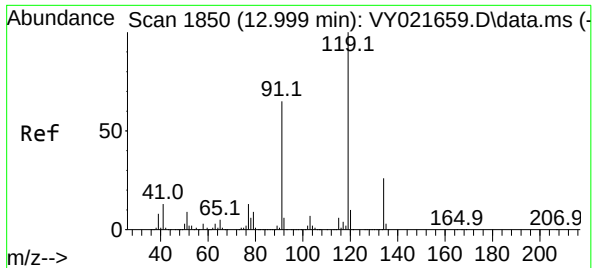
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#82
4-Chlorotoluene
Concen: 19.696 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

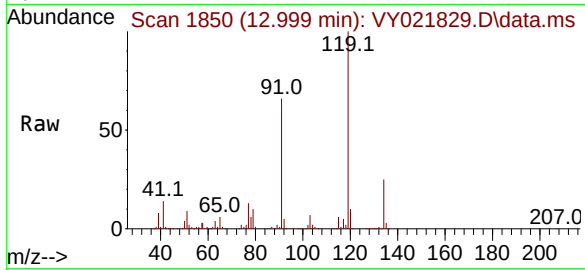
Tgt Ion: 91 Resp: 158350
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83
tert-Butylbenzene
Concen: 19.040 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

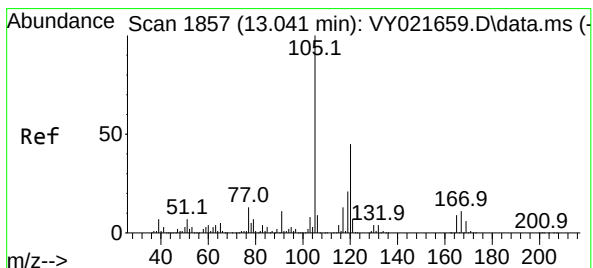
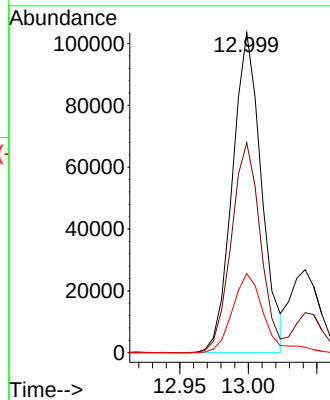
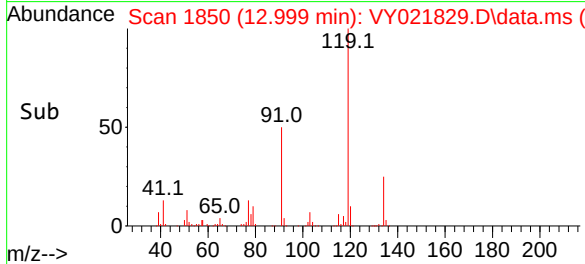
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



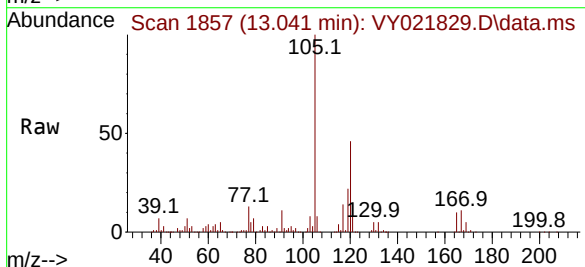
Tgt Ion:119 Resp: 153070
Ion Ratio Lower Upper
119 100
91 65.8 32.6 97.7
134 27.0 13.2 39.6

Manual Integrations
APPROVED

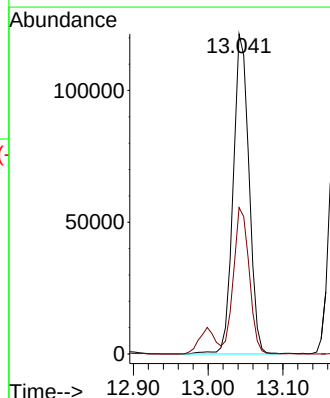
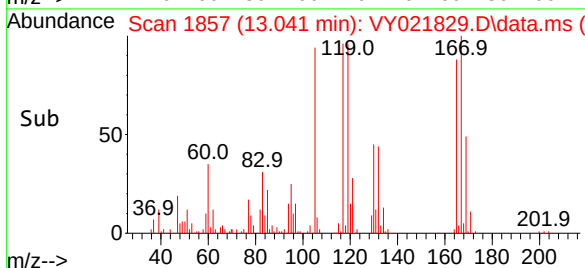
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

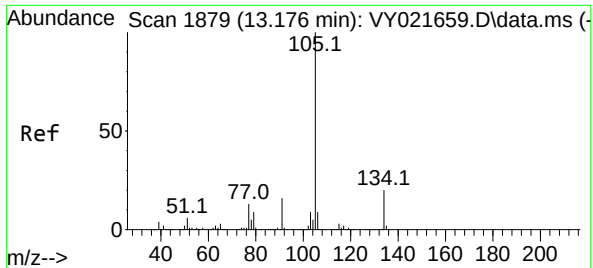


#84
1,2,4-Trimethylbenzene
Concen: 20.046 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22



Tgt Ion:105 Resp: 178830
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





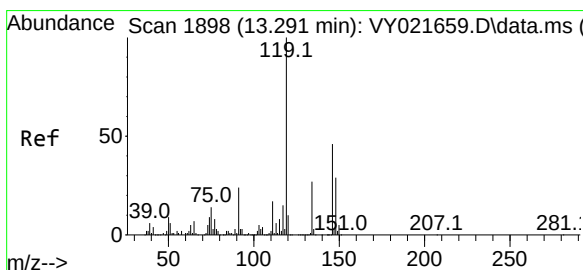
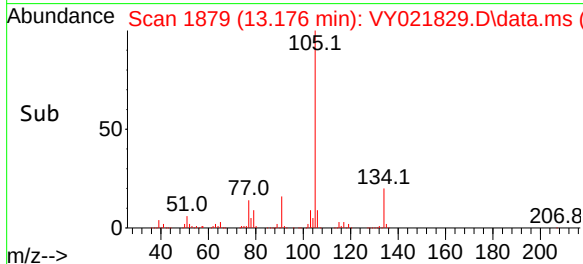
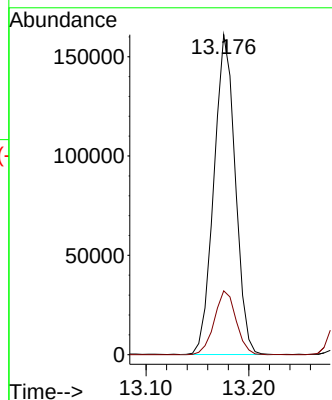
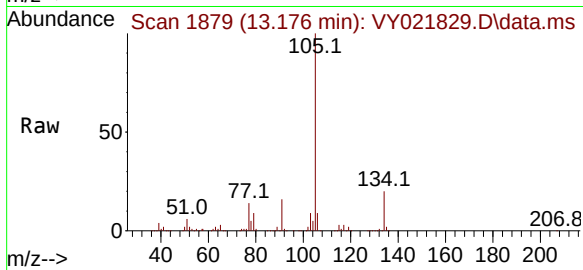
#85
 sec-Butylbenzene
 Concen: 19.799 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021829.D
 Acq: 10 Apr 2025 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBSD01

Tgt Ion:105 Resp: 232610
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1

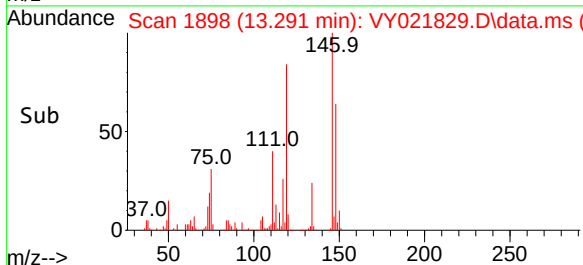
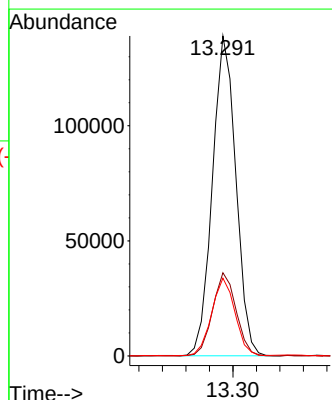
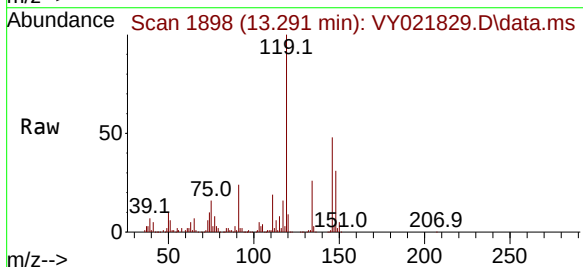
Manual Integrations
 APPROVED

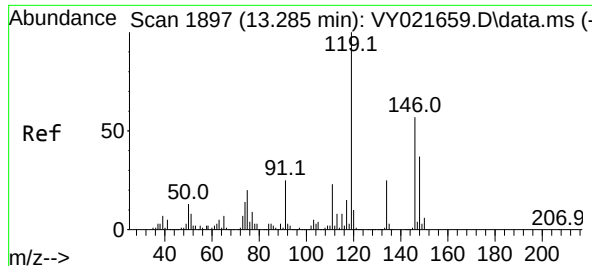
Reviewed By :Mahesh Dadoda 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025



#86
 p-Isopropyltoluene
 Concen: 19.882 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021829.D
 Acq: 10 Apr 2025 11:22

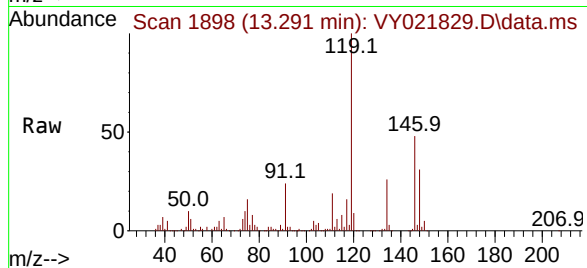
Tgt Ion:119 Resp: 193062
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 24.1 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 19.855 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

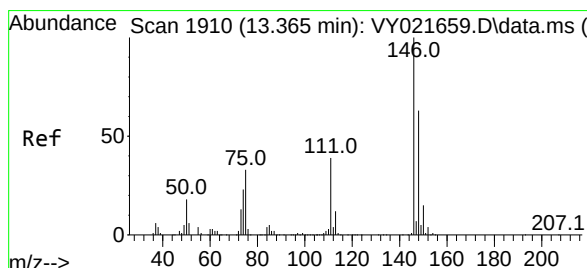
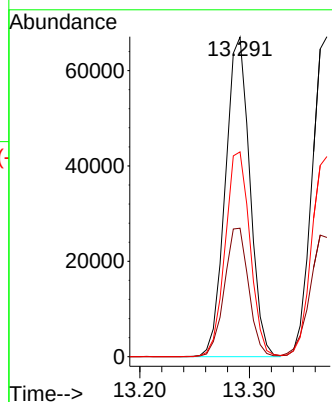
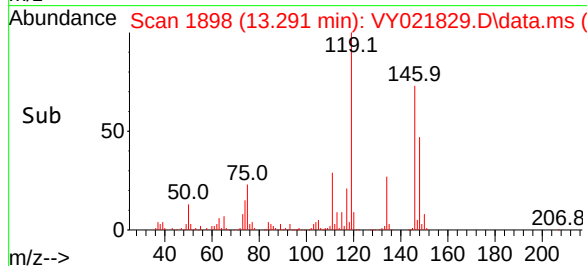
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01



Tgt Ion:146 Resp: 103720
Ion Ratio Lower Upper
146 100
111 39.9 20.0 60.0
148 65.0 31.8 95.4

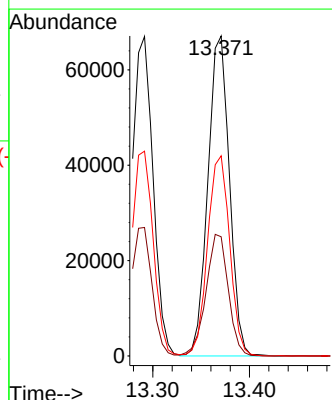
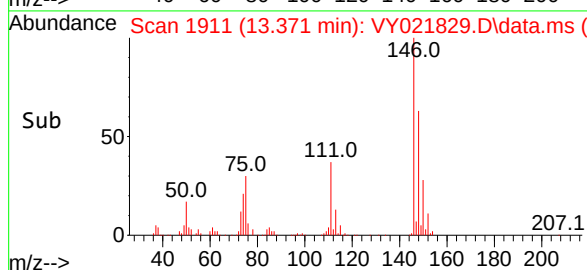
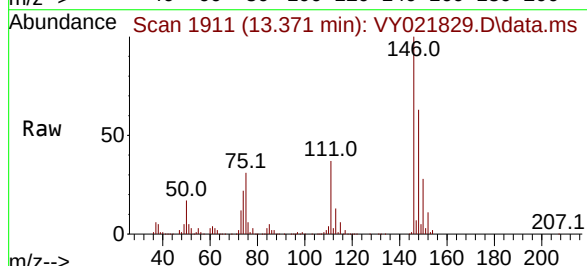
Manual Integrations
APPROVED

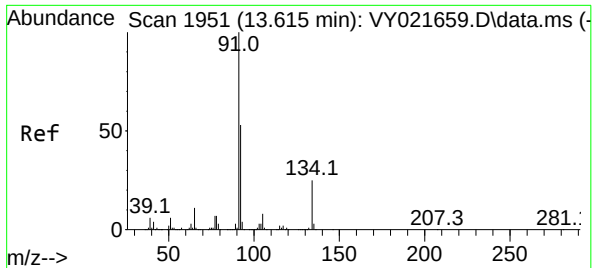
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#88
1,4-Dichlorobenzene
Concen: 20.132 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion:146 Resp: 103913
Ion Ratio Lower Upper
146 100
111 39.4 19.1 57.1
148 64.4 31.5 94.5





#89

n-Butylbenzene

Concen: 19.549 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021829.D

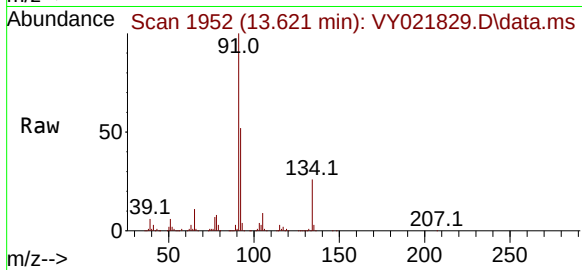
Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01



Tgt Ion: 91 Resp: 17555

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.2

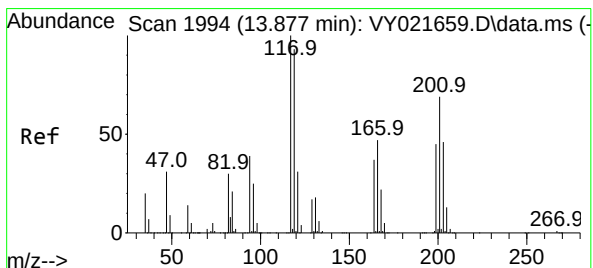
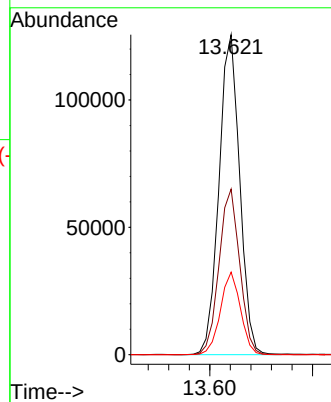
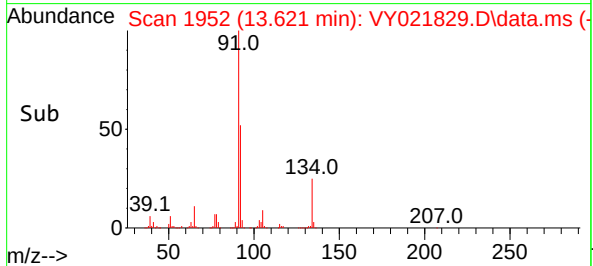
134 25.1 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#90

Hexachloroethane

Concen: 19.728 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021829.D

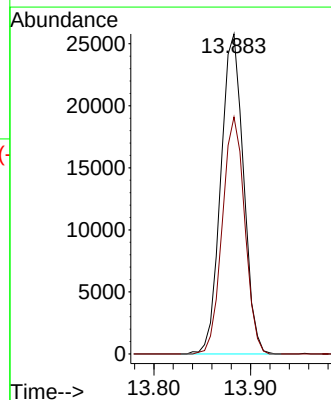
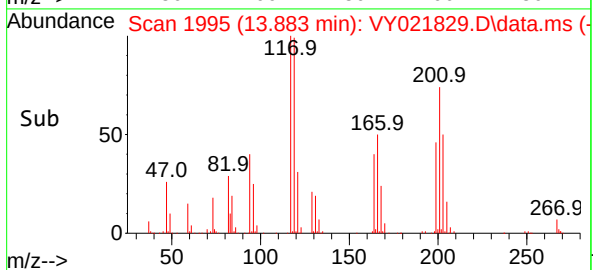
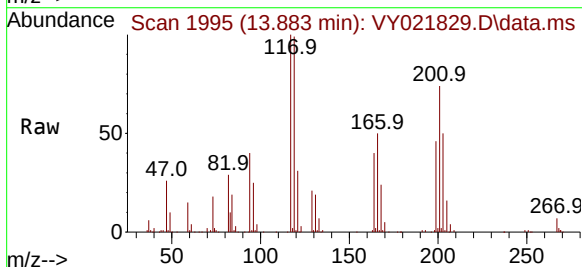
Acq: 10 Apr 2025 11:22

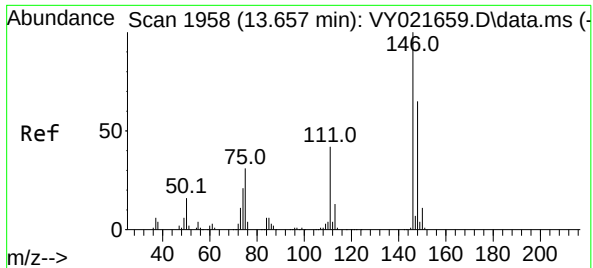
Tgt Ion:117 Resp: 41979

Ion Ratio Lower Upper

117 100

201 73.1 37.4 112.1





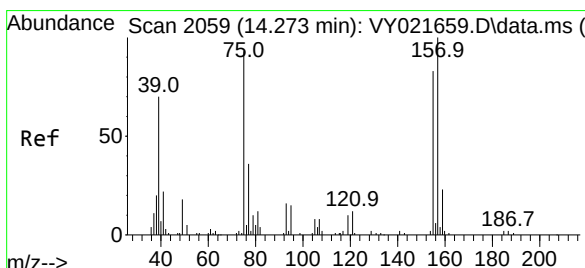
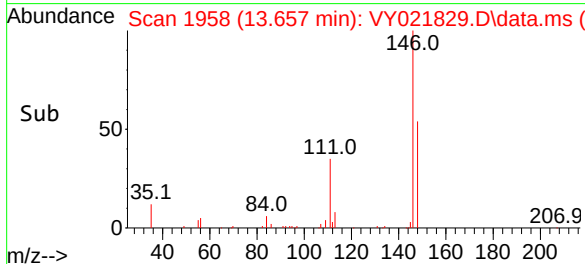
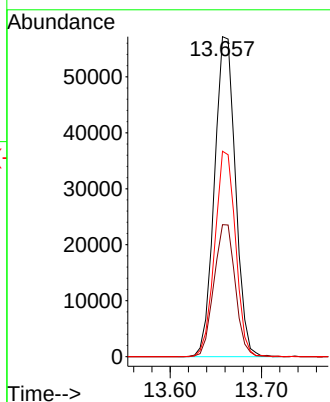
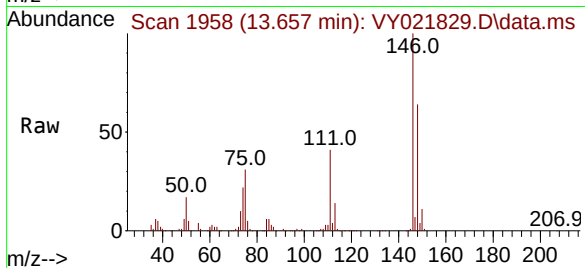
#91
1,2-Dichlorobenzene
Concen: 20.079 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Tgt Ion:146 Resp: 9131
Ion Ratio Lower Upper
146 100
111 41.9 20.7 62.1
148 63.6 32.3 96.9

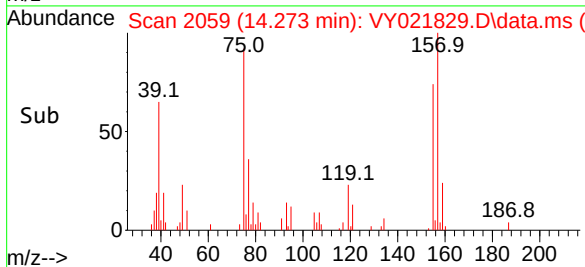
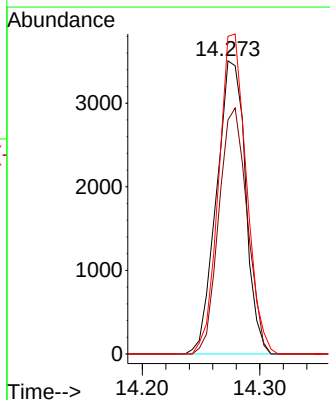
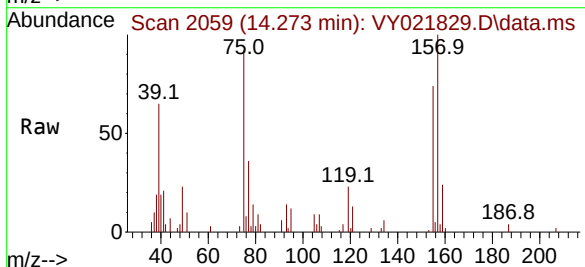
Manual Integrations
APPROVED

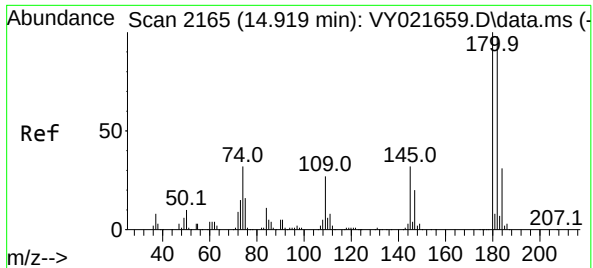
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.461 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021829.D
Acq: 10 Apr 2025 11:22

Tgt Ion: 75 Resp: 5989
Ion Ratio Lower Upper
75 100
155 81.9 43.0 128.8
157 104.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 20.712 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:180 Resp: 51079

Ion Ratio Lower Upper

180 100

182 93.8 47.5 142.6

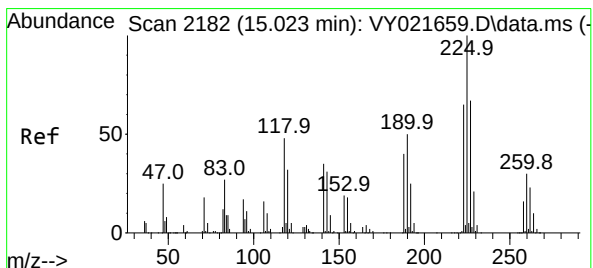
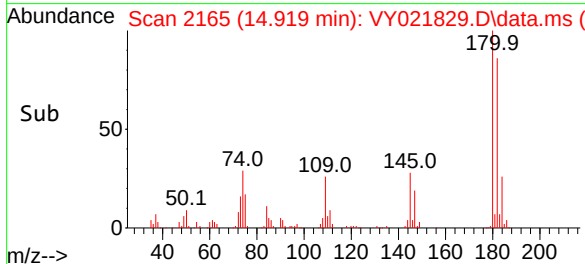
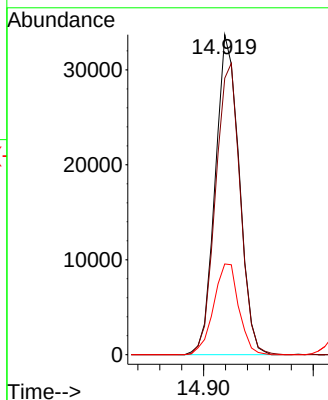
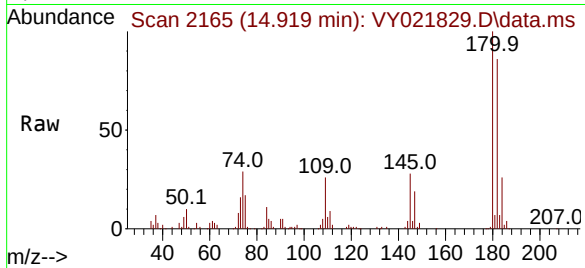
145 29.9 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#94

Hexachlorobutadiene

Concen: 21.038 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

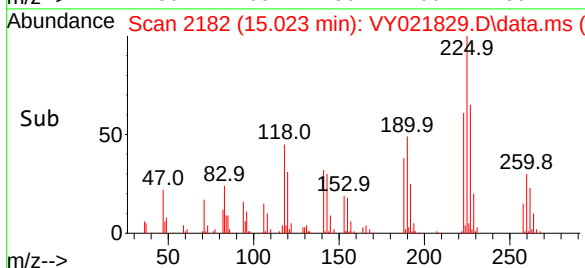
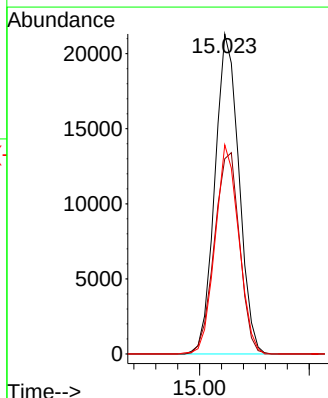
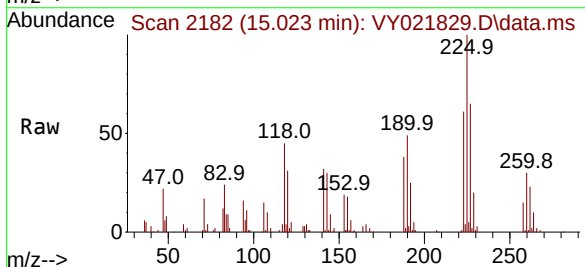
Tgt Ion:225 Resp: 32403

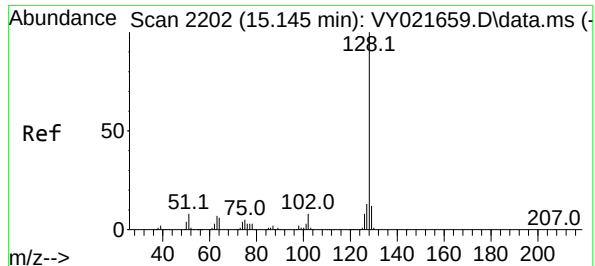
Ion Ratio Lower Upper

225 100

223 65.9 31.9 95.7

227 64.6 32.4 97.0





#95

Naphthalene

Concen: 19.903 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBS01

Tgt Ion:128 Resp: 81360

Ion Ratio Lower Upper

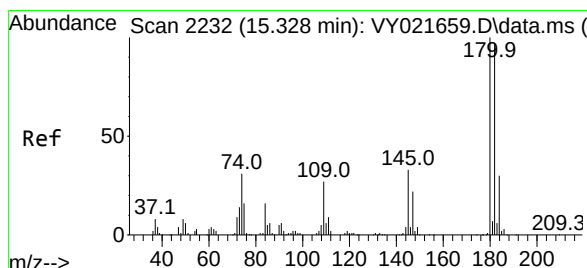
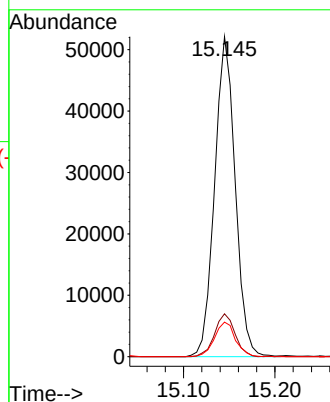
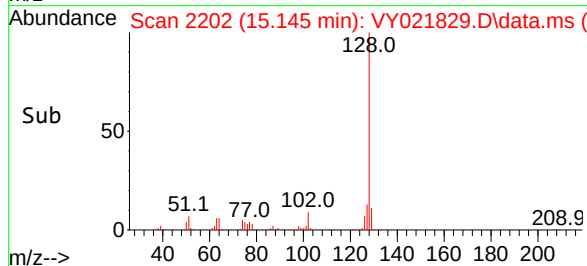
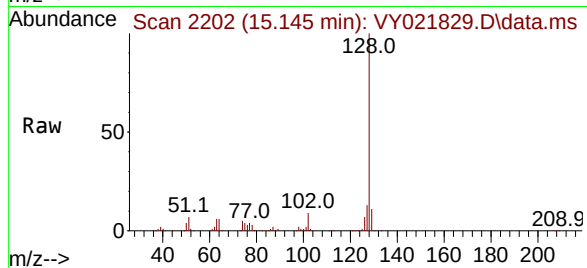
128 100

127 13.3 10.8 16.2

129 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

#96

1,2,3-Trichlorobenzene

Concen: 20.955 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021829.D

Acq: 10 Apr 2025 11:22

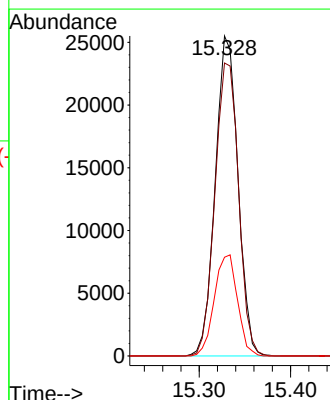
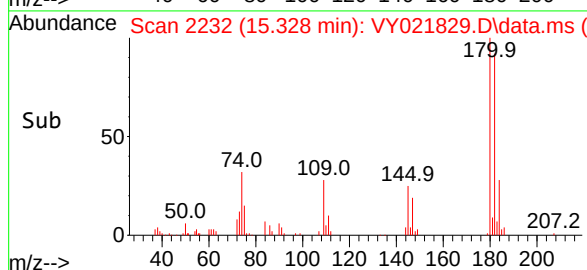
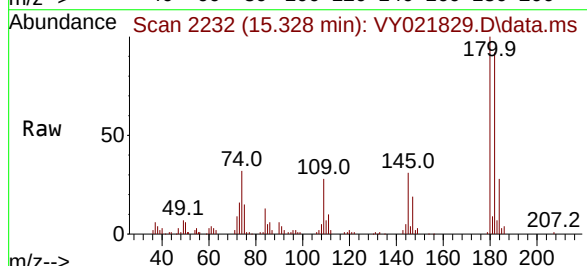
Tgt Ion:180 Resp: 44068

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.5

145 32.1 15.9 47.7



Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY041025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021826.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:51 PM	SAM	4/11/2025 2:00:34 PM	Peak Integrated by Software
VY0410SBS01	VY021828.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:53 PM	SAM	4/11/2025 2:00:35 PM	Peak Integrated by Software
VY0410SBS01	VY021828.D	Methacrylonitrile	MMDadoda	4/11/2025 1:58:53 PM	SAM	4/11/2025 2:00:35 PM	Peak Integrated by Software
VY0410SBSD01	VY021829.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:55 PM	SAM	4/11/2025 2:00:37 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Maresh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP133499				
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508				
CCC	VP133510				
Internal Standard/PEM	VP131783				
ICV/I.BLK	VP133509				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDIC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDIC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDIC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDIC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDIC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDIC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBS01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Maresh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP133499				
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508				
CCC	VP133510				
Internal Standard/PEM	VP131783				
ICV/I.BLK	VP133509				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133628			
CCC		VP133629,VP133630			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021825.D	10 Apr 2025 08:34	SY/MD	Ok
2	VSTDCCC050	VY021826.D	10 Apr 2025 09:51	SY/MD	Ok,M
3	VY0410SBL01	VY021827.D	10 Apr 2025 10:28	SY/MD	Ok
4	VY0410SBS01	VY021828.D	10 Apr 2025 10:59	SY/MD	Ok,M
5	VY0410SBSD01	VY021829.D	10 Apr 2025 11:22	SY/MD	Ok,M
6	Q1747-01RE	VY021830.D	10 Apr 2025 12:06	SY/MD	Not Ok
7	Q1754-01RE	VY021831.D	10 Apr 2025 12:29	SY/MD	Not Ok
8	Q1732-03	VY021832.D	10 Apr 2025 12:53	SY/MD	Ok
9	Q1746-01	VY021833.D	10 Apr 2025 13:16	SY/MD	Ok
10	Q1746-03	VY021834.D	10 Apr 2025 13:40	SY/MD	Ok
11	Q1744-01	VY021835.D	10 Apr 2025 14:03	SY/MD	Ok
12	Q1744-03	VY021836.D	10 Apr 2025 14:26	SY/MD	Ok
13	Q1738-01RE	VY021837.D	10 Apr 2025 14:50	SY/MD	Confirms
14	Q1749-03	VY021838.D	10 Apr 2025 15:13	SY/MD	Ok
15	Q1743-03	VY021839.D	10 Apr 2025 15:37	SY/MD	Ok
16	Q1752-01	VY021840.D	10 Apr 2025 16:00	SY/MD	Ok
17	Q1752-03	VY021841.D	10 Apr 2025 16:24	SY/MD	Ok
18	Q1752-05	VY021842.D	10 Apr 2025 16:47	SY/MD	Ok
19	Q1752-07	VY021843.D	10 Apr 2025 17:10	SY/MD	Ok
20	Q1771-03	VY021844.D	10 Apr 2025 17:34	SY/MD	Ok
21	Q1771-07	VY021845.D	10 Apr 2025 17:57	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY041025

Review By	Maresh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133628			
CCC		VP133629,VP133630			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1771-11	VY021846.D	10 Apr 2025 18:21	SY/MD	Ok
23	Q1760-03	VY021847.D	10 Apr 2025 18:44	SY/MD	Ok
24	Q1760-07	VY021848.D	10 Apr 2025 19:08	SY/MD	Dilution

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133499			
Initial Calibration Stds		VP133500,VP133501,VP133502,VP133503,VP133505,VP133508			
CCC		VP133510			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133509			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY041025

Review By	Maresh Dadoda	Review On	4/11/2025 1:59:08 PM
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y HP Processing Method 82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133628
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133629,VP133630 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021825.D	10 Apr 2025 08:34		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021826.D	10 Apr 2025 09:51		SY/MD	Ok,M
3	VY0410SBL01	VY0410SBL01	VY021827.D	10 Apr 2025 10:28		SY/MD	Ok
4	VY0410SBS01	VY0410SBS01	VY021828.D	10 Apr 2025 10:59		SY/MD	Ok,M
5	VY0410SBSD01	VY0410SBSD01	VY021829.D	10 Apr 2025 11:22		SY/MD	Ok,M
6	Q1747-01RE	ARS20-0008RE	VY021830.D	10 Apr 2025 12:06	vial-B not purged	SY/MD	Not Ok
7	Q1754-01RE	TP-1RE	VY021831.D	10 Apr 2025 12:29	vial-B Internal standard fail;Not match for com.#64	SY/MD	Not Ok
8	Q1732-03	TT-8-VOC	VY021832.D	10 Apr 2025 12:53	vial-A	SY/MD	Ok
9	Q1746-01	B-149-SB01	VY021833.D	10 Apr 2025 13:16	vial-A	SY/MD	Ok
10	Q1746-03	B-149-SB02	VY021834.D	10 Apr 2025 13:40	vial-A	SY/MD	Ok
11	Q1744-01	B-158-SB01	VY021835.D	10 Apr 2025 14:03	vial-A	SY/MD	Ok
12	Q1744-03	B-158-SB02	VY021836.D	10 Apr 2025 14:26	vial-A	SY/MD	Ok
13	Q1738-01RE	OK-02-040425RE	VY021837.D	10 Apr 2025 14:50	vial-B Internal Standard Fail	SY/MD	Confirms
14	Q1749-03	TP-14-VOC	VY021838.D	10 Apr 2025 15:13	vial-A	SY/MD	Ok
15	Q1743-03	TP-16-VOC	VY021839.D	10 Apr 2025 15:37	vial-A	SY/MD	Ok
16	Q1752-01	TP-1	VY021840.D	10 Apr 2025 16:00	vial-A	SY/MD	Ok
17	Q1752-03	TP-2	VY021841.D	10 Apr 2025 16:24	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP133628				
CCC	VP133629,VP133630				
Internal Standard/PEM	VP131783				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1752-05	TP-4	VY021842.D	10 Apr 2025 16:47	vial-A	SY/MD	Ok
19	Q1752-07	TP-3	VY021843.D	10 Apr 2025 17:10	vial-A	SY/MD	Ok
20	Q1771-03	TP-6C-VOC	VY021844.D	10 Apr 2025 17:34	vial-A	SY/MD	Ok
21	Q1771-07	TP-7C-VOC	VY021845.D	10 Apr 2025 17:57	vial-A	SY/MD	Ok
22	Q1771-11	TP-3A-VOC	VY021846.D	10 Apr 2025 18:21	vial-A	SY/MD	Ok
23	Q1760-03	TP-17-VOC	VY021847.D	10 Apr 2025 18:44	vial-A	SY/MD	Ok
24	Q1760-07	TP-15-VOC	VY021848.D	10 Apr 2025 19:08	vial-A Internal Standard Fail; Surrogate Fail;Need MeOH	SY/MD	Dilution

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/8/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 04/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:19
Out Date: 04/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135324

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
Q1740-01	TP-20	1	1.14	9.97	11.11	9.88	87.7	
Q1740-02	TP-20-E2	2	1.15	10.14	11.29	10.06	87.9	
Q1740-03	TP-20-VOC	3	1.18	11.96	13.14	11.9	89.6	
Q1742-01	TR-06-040725	17	1.14	10.11	11.25	10.00	87.6	
Q1742-02	TR-06-040725-E2	18	1.18	10.20	11.38	10.24	88.8	
Q1743-01	TP-16	4	1.14	10.15	11.29	10.74	94.6	
Q1743-02	TP-16-EPH	5	1.16	9.91	11.07	9.27	81.8	
Q1743-03	TP-16-VOC	6	1.14	10.34	11.48	10.84	93.8	
Q1744-01	B-158-SB01	7	1.12	9.66	10.78	9.81	90.0	
Q1744-03	B-158-SB02	8	1.18	10.73	11.91	7.19	56.0	
Q1745-01	IB-6A-WC	9	1.17	10.10	11.27	9.76	85.0	
Q1745-02	IB-6A-EPH	10	1.18	9.96	11.14	9.56	84.1	
Q1745-03	IB-6A-VOC	11	1.18	10.06	11.24	9.98	87.5	
Q1745-09	IB-6.5-WC	12	1.15	10.49	11.64	8.65	71.5	
Q1745-10	IB-6.5-EPH	13	1.18	10.26	11.44	8.46	71.0	
Q1745-11	IB-6.5-VOC	14	1.15	9.98	11.13	7.93	67.9	
Q1746-01	B-149-SB01	15	1.14	10.17	11.31	10.22	89.3	
Q1746-03	B-149-SB02	16	1.14	10.23	11.37	9.81	84.8	
Q1747-01	ARS20-0008	19	1.15	10.33	11.48	11.08	96.1	
Q1747-02	ARS20-0008-E2	20	1.19	10.08	11.27	10.8	95.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135324

WorkList Name : %1-040725 WorkList ID : 188763 Department : Wet-Chemistry Date : 04-07-2025 08:21:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1740-02	TP-20-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1740-03	TP-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1742-01	TR-06-040725	Solid	Percent Solids	Cool 4 deg C	PSEG05		04/04/2025	Chemtech -SO
Q1742-02	TR-06-040725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05		04/04/2025	Chemtech -SO
Q1743-01	TP-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1743-02	TP-16-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1743-03	TP-16-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1744-01	B-158-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1744-03	B-158-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1745-01	IB-6A-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-02	IB-6A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-03	IB-6A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-09	IB-6.5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-10	IB-6.5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-11	IB-6.5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1746-01	B-149-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1746-03	B-149-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/06/2025	Chemtech -SO
Q1747-01	ARS20-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1747-02	ARS20-0008-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO

Date/Time 04/07/25 15:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/07/25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

17.15
 [Signature]



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY: Arlabon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak replacement of SR
PROJECT NO.: 950000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QASC@BEMSYS.com
PHONE: 610-301-8432 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07093
ATTENTION: Samavla Beasley PHONE: 908-788-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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 BEMED0

1. Full TCLP Analysis
2. RCRA parameters
3. PCBs
4. TAL Metals
5. TCL-VOC+10
6. Cr(VI)
7. TCL-SVOCs-BNA+20
8. EPH
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	B-188-SB01	S		X	4/5/25	13:20	9	X	X	X	X	X	X	X	X			
2.	B-158-SB02	S		X	4/5/25	17:10	9	X	X	X	X	X	X	X	X			
3.	IB				NA	NA						X						
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. <u>[Signature]</u>	DATE/TIME: <u>1040</u> <u>4-5-25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>Natalie Zaca</u>	DATE/TIME: <u>1040</u> <u>4-7-25</u>	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>IR. Gun #1</u> <u>"Adjust factor +1"</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	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 : Q1744 PORT06

Client Name : Portal Partners Tri-Venture

Client Contact : Joseph Krupansky

Invoice Name : Portal Partners Tri-Venture

Invoice Contact : Joseph Krupansky

Order Date : 4/7/2025 11:34:00 AM

Project Name : Amtrak Sawtooth Bridges 2

Receive DateTime : 4/7/2025 10:40:00 AM

Purchase Order :

Project Mgr :

Report Type : NJ Reduced

EDD Type : EXCEL NJCLEANUP

Hard Copy Date :

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1744-01	B-158-SB01	Solid	04/05/2025	13:20					
					VOC-TCLVOA-10				
Q1744-03	B-158-SB02	Solid	04/05/2025	17:10			8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : alDate / Time : 4-7-25 1255Received By : plDate / Time : 4-7-25 12:55

Storage Area : VOA Refridgerator Room