

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

LAB CHRONICLE

OrderID:	Q1938	OrderDate:	5/1/2025 2:05:00 PM
Client:	Saxton Falls Sand and Gravel Co. Inc.	Project:	Stan Hope
Contact:	Rich Schindelar	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1938-02	LOWER-WALL-PILE-A	SOIL	VOC-TCLVOA-10	8260D	05/01/25		05/05/25	05/01/25
Q1938-04	LOWER-WALL-PILE-B	SOIL	VOC-TCLVOA-10	8260D	05/01/25		05/05/25	05/01/25
Q1938-06	LOWER-WALL-PILE-C	SOIL	VOC-TCLVOA-10	8260D	05/01/25		05/05/25	05/01/25
Q1938-08	LOWER-WALL-PILE-D	SOIL	VOC-TCLVOA-10	8260D	05/01/25		05/05/25	05/01/25

Hit Summary Sheet
SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q1938-02	LOWER-WALL-PILE-A LOWER-WALL-PII SOIL		Methylene Chloride	6.30	J	3.90	11.1	ug/Kg
			Total Voc :	6.30				
Q1938-02	LOWER-WALL-PII SOIL		Tert butyl alcohol	* 34.6	J	15.2	27.7	ug/Kg
			Total Tics :	34.6				
			Total Concentration:	40.9				
Client ID: Q1938-04	LOWER-WALL-PILE-B LOWER-WALL-PII SOIL		Methylene Chloride	3.20	J	3.10	8.70	ug/Kg
			Total Voc :	3.20				
			Total Concentration:	3.20				



QC SUMMARY

Surrogate Summary

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1938-02	LOWER-WALL-PILE-A	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101	70 (70)	130 (134)
		Toluene-d8	50	48.4	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.8	68 *	70 (38)	130 (136)
Q1938-04	LOWER-WALL-PILE-B	1,2-Dichloroethane-d4	50	54.3	109	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102	70 (70)	130 (134)
		Toluene-d8	50	48.2	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.3	75	70 (38)	130 (136)
Q1938-06	LOWER-WALL-PILE-C	1,2-Dichloroethane-d4	50	55.8	112	70 (63)	130 (155)
		Dibromofluoromethane	50	51.3	103	70 (70)	130 (134)
		Toluene-d8	50	48.8	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.0	74	70 (38)	130 (136)
Q1938-08	LOWER-WALL-PILE-D	1,2-Dichloroethane-d4	50	53.8	108	70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101	70 (70)	130 (134)
		Toluene-d8	50	48.7	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.1	76	70 (38)	130 (136)
VY0505SBL01	VY0505SBL01	1,2-Dichloroethane-d4	50	49.8	100	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	46.5	93	70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.3	111	70 (38)	130 (136)
VY0505SBS01	VY0505SBS01	1,2-Dichloroethane-d4	50	49.9	100	70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.1	100	70 (38)	130 (136)
VY0505SBSD01	VY0505SBSD01	1,2-Dichloroethane-d4	50	49.0	98	70 (63)	130 (155)
		Dibromofluoromethane	50	48.3	97	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.4	97	70 (38)	130 (136)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8260D

Datafile : VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0505SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			40 (64)	160 (136)	
	Chloromethane	20	19.9	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.9	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	20	22.1	ug/Kg	111			40 (58)	160 (141)	
	Chloroethane	20	20.7	ug/Kg	104			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.5	ug/Kg	103			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			70 (79)	130 (121)	
	Acetone	100	93.4	ug/Kg	93			40 (60)	160 (131)	
	Carbon disulfide	20	19.2	ug/Kg	96			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	20.4	ug/Kg	102			70 (69)	130 (149)	
	Methylene Chloride	20	18.7	ug/Kg	94			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			70 (82)	130 (123)	
	Cyclohexane	20	19.8	ug/Kg	99			70 (76)	130 (122)	
	2-Butanone	100	92.1	ug/Kg	92			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	20.5	ug/Kg	103			70 (80)	130 (127)	
	Chloroform	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	19.7	ug/Kg	99			70 (77)	130 (123)	
	Benzene	20	20.2	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			70 (81)	130 (126)	
	Trichloroethene	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	92.9	ug/Kg	93			40 (66)	160 (138)	
	Dibromochloromethane	20	19.5	ug/Kg	98			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	21.3	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.6	ug/Kg	98			70 (82)	130 (124)	
	m/p-Xylenes	40	40.3	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.9	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.3	ug/Kg	97			70 (75)	130 (127)	
	Isopropylbenzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8260D

Datafile : VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0505SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8260D

Datafile : VY022148.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0505SBSD01	Dichlorodifluoromethane	20	20.6	ug/Kg	103	9		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.7	ug/Kg	94	6		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.6	ug/Kg	98	2		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.2	ug/Kg	101	9		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.2	ug/Kg	101	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.8	ug/Kg	104	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	3		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	17		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.7	ug/Kg	99	3		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	9		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	24.2	ug/Kg	121	17		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.7	ug/Kg	109	15		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.2	ug/Kg	106	5		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.5	ug/Kg	103	4		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	8		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.2	ug/Kg	106	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.6	ug/Kg	103	0		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.4	ug/Kg	107	5		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.6	ug/Kg	103	4		70 (77)	130 (123)	30 (20)
	Benzene	20	21.1	ug/Kg	106	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.3	ug/Kg	112	6		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.2	ug/Kg	106	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.6	ug/Kg	108	6		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.6	ug/Kg	108	5		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	14		40 (70)	160 (135)	30 (20)
	Toluene	20	21.2	ug/Kg	106	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.4	ug/Kg	107	6		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	4		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	17		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.1	ug/Kg	106	8		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.5	ug/Kg	108	10		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.9	ug/Kg	110	4		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.3	ug/Kg	106	6		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.3	ug/Kg	102	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.3	ug/Kg	106	5		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.4	ug/Kg	102	2		70 (83)	130 (123)	30 (20)
	Styrene	20	20.7	ug/Kg	104	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.9	ug/Kg	104	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.7	ug/Kg	104	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	8		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	6		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104	6		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	7		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8260D

Datafile : VY022148.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0505SBSD01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101	9		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.4	ug/Kg	102	10		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0505SBL01

Lab Name: CHEMTECH

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab File ID: VY022146.D

Lab Sample ID: VY0505SBL01

Date Analyzed: 05/05/2025

Time Analyzed: 09:24

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
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025
VY0505SBSD01	VY0505SBSD01	VY022148.D	05/05/2025
LOWER-WALL-PILE-A	Q1938-02	VY022155.D	05/05/2025
LOWER-WALL-PILE-B	Q1938-04	VY022156.D	05/05/2025
LOWER-WALL-PILE-C	Q1938-06	VY022157.D	05/05/2025
LOWER-WALL-PILE-D	Q1938-08	VY022158.D	05/05/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SAXT01
Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:33
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	16.9
75	30.0 - 60.0% of mass 95	49.7
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	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021953.D	04/22/2025	13:39
VSTDIC010	VSTDIC010	VY021954.D	04/22/2025	14:44
VSTDIC020	VSTDIC020	VY021955.D	04/22/2025	15:07
VSTDIC050	VSTDIC050	VY021956.D	04/22/2025	15:29
VSTDIC100	VSTDIC100	VY021957.D	04/22/2025	15:52
VSTDIC150	VSTDIC150	VY021958.D	04/22/2025	16:15



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SAXT01
Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938
Lab File ID: VY022144.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:15
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	16.8
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101.0% of mass 174	81.6 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 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	VY022145.D	05/05/2025	08:46
VY0505SBL01	VY0505SBL01	VY022146.D	05/05/2025	09:24
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025	09:55
VY0505SBSD01	VY0505SBSD01	VY022148.D	05/05/2025	10:17
LOWER-WALL-PILE-A	Q1938-02	VY022155.D	05/05/2025	13:34
LOWER-WALL-PILE-B	Q1938-04	VY022156.D	05/05/2025	13:58
LOWER-WALL-PILE-C	Q1938-06	VY022157.D	05/05/2025	14:21
LOWER-WALL-PILE-D	Q1938-08	VY022158.D	05/05/2025	14:45

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SAXT01
 Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938
 Lab File ID: VY022145.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:46
 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	301546	7.71	450262	8.62	415602	11.42
UPPER LIMIT	603092	8.213	900524	9.116	831204	11.92
LOWER LIMIT	150773	7.213	225131	8.116	207801	10.92
EPA SAMPLE NO.						
LOWER-WALL-PILE-A	246990	7.71	470540	8.62	392719	11.42
LOWER-WALL-PILE-B	247569	7.71	475913	8.62	407953	11.42
LOWER-WALL-PILE-C	236208	7.71	455775	8.62	393874	11.41
LOWER-WALL-PILE-D	233116	7.71	451914	8.62	393585	11.42
VY0505SBL01	329285	7.71	599236	8.62	511500	11.42
VY0505SBS01	283597	7.71	437631	8.62	395977	11.42
VY0505SBSD01	278339	7.71	430328	8.62	393385	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: SAXT01
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 Lab File ID: VY022145.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:46
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	221579	13.347				
UPPER LIMIT	443158	13.847				
LOWER LIMIT	110790	12.847				
EPA SAMPLE NO.						
LOWER-WALL-PILE-A	118743	13.35				
LOWER-WALL-PILE-B	135235	13.35				
LOWER-WALL-PILE-C	132998	13.35				
LOWER-WALL-PILE-D	137265	13.35				
VY0505SBL01	191516	13.35				
VY0505SBS01	212383	13.35				
VY0505SBSD01	209502	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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	4.97 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
VY022155.D	1		05/05/25 13:34	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.81	U	0.81	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	6.30	J	3.90	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	27.7	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	4.97	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022155.D	1		05/05/25 13:34	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.7	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.1	ug/Kg
95-47-6	o-Xylene	0.91	U	0.91	5.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.8	*	70 (38) - 130 (136)	68%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	247000	7.713
540-36-3	1,4-Difluorobenzene	471000	8.616
3114-55-4	Chlorobenzene-d5	393000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	4.97 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
VY022155.D	1		05/05/25 13:34	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
75-65-0	Tert butyl alcohol	34.6	J		4.87	ug/Kg

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\VY050525\
 Data File : VY022155.D
 Acq On : 05 May 2025 13:34
 Operator : SY/MD
 Sample : Q1938-02
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-A

Quant Time: May 06 05:21:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

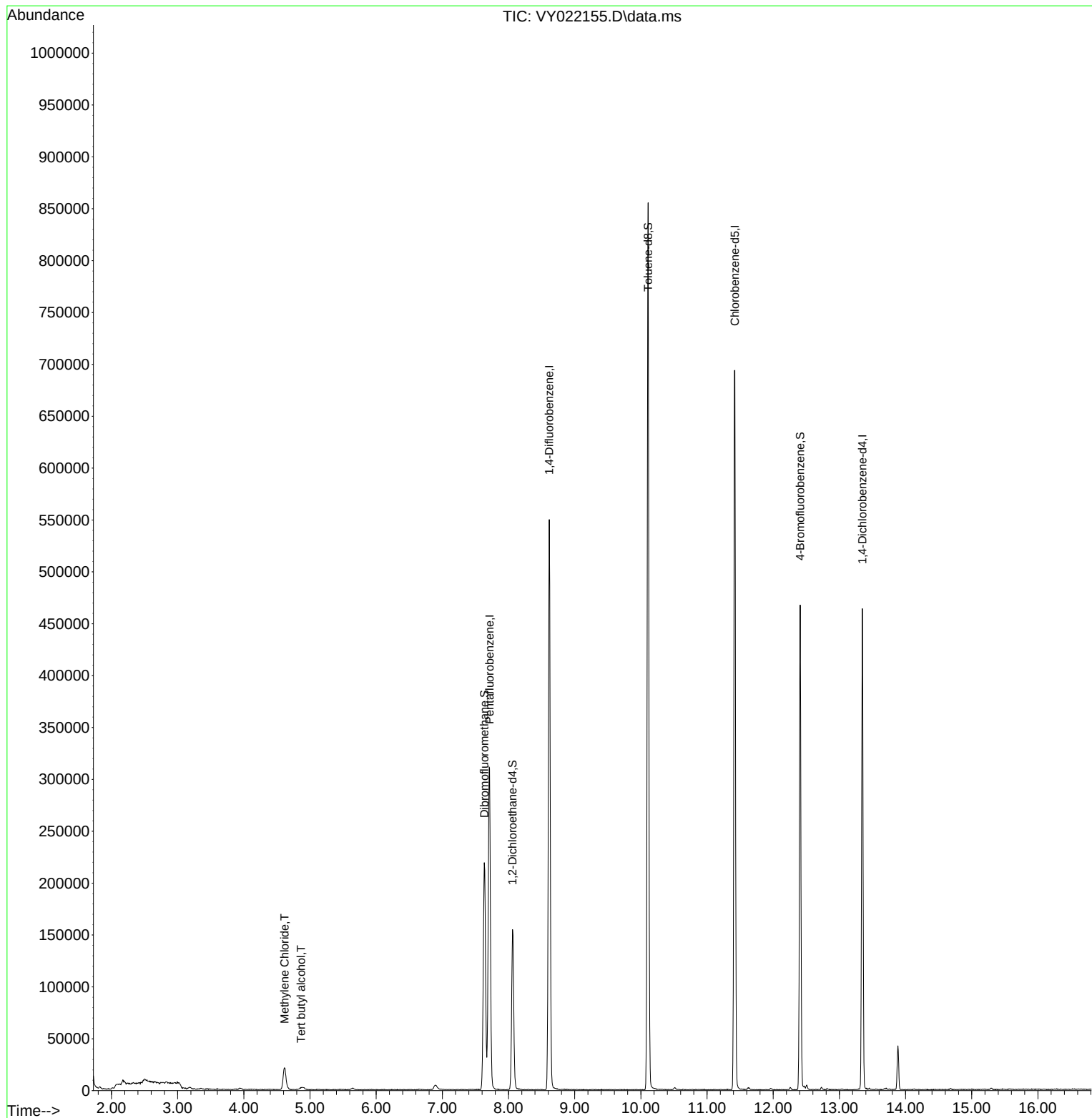
Internal Standards						
1) Pentafluorobenzene	7.713	168	246990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	392719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121439	53.230	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.460%	
35) Dibromofluoromethane	7.634	113	157388	50.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.109	98	566675	48.353	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.408	95	133468	33.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.660%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	3910	31.218	ug/l	# 79
20) Methylene Chloride	4.616	84	16488	5.716	ug/l	95

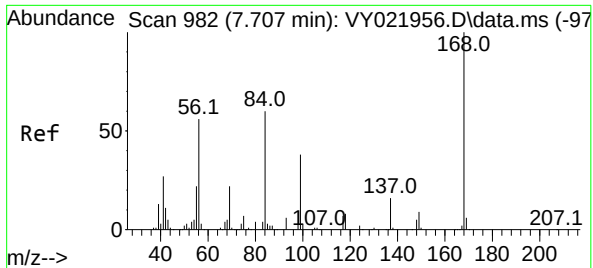
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022155.D
Acq On : 05 May 2025 13:34
Operator : SY/MD
Sample : Q1938-02
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

Quant Time: May 06 05:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

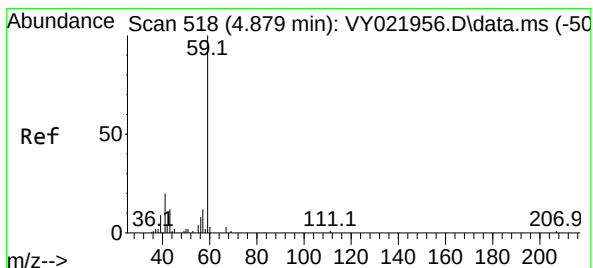
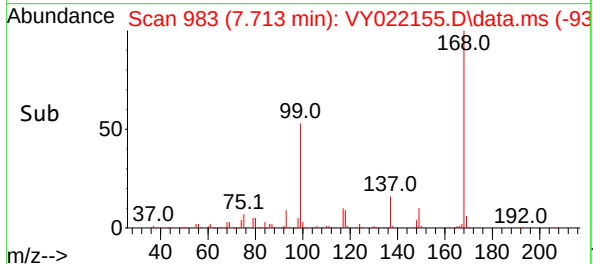
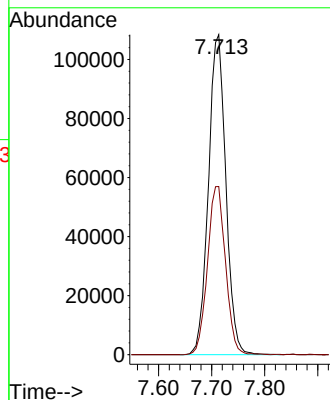
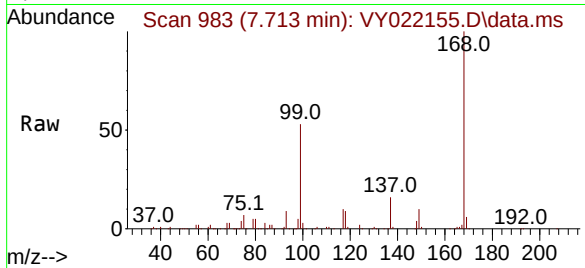




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

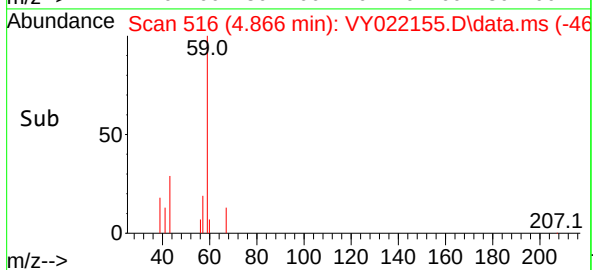
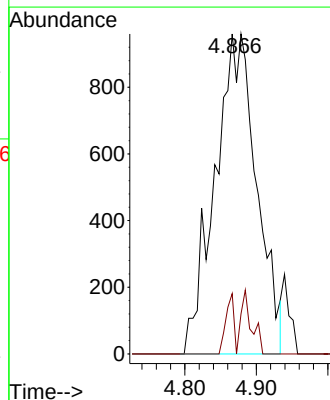
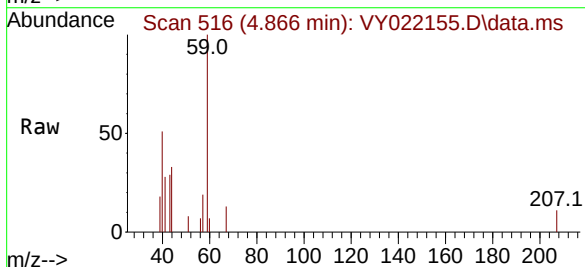
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

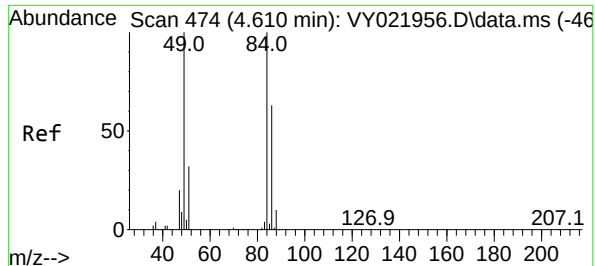
Tgt Ion:168 Resp: 246990
Ion Ratio Lower Upper
168 100
99 52.6 43.1 64.7



#11
Tert butyl alcohol
Concen: 31.218 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 59 Resp: 3910
Ion Ratio Lower Upper
59 100
57 3.6 9.3 13.9#





#20

Methylene Chloride

Concen: 5.716 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

Instrument :

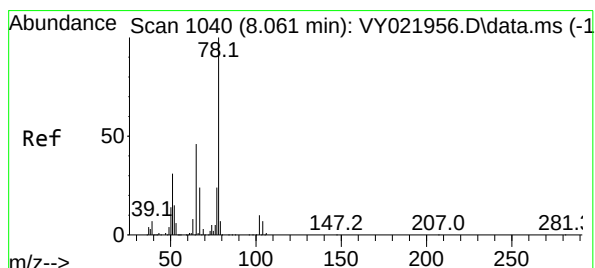
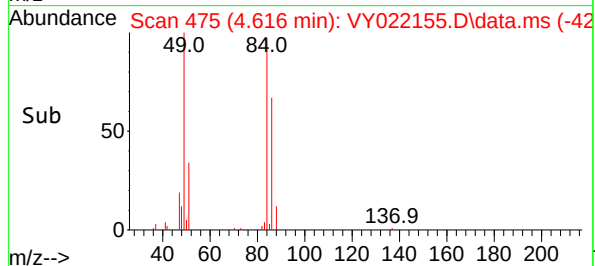
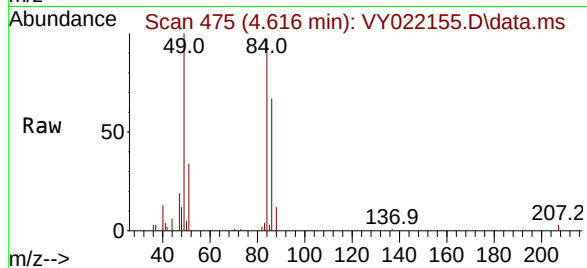
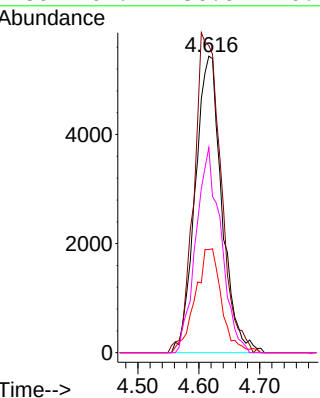
MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A

Tgt Ion: 84 Resp: 16488

Ion	Ratio	Lower	Upper
84	100		
49	103.6	79.9	119.9
51	34.8	25.4	38.0
86	69.2	50.6	76.0



#33

1,2-Dichloroethane-d4

Concen: 53.230 ug/l

RT: 8.061 min Scan# 1040

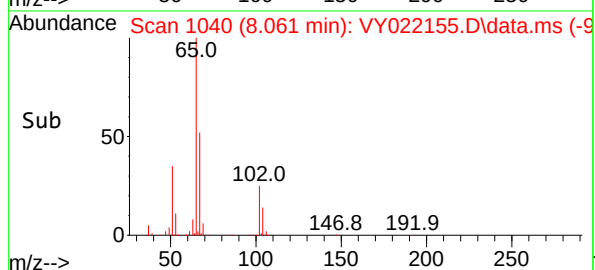
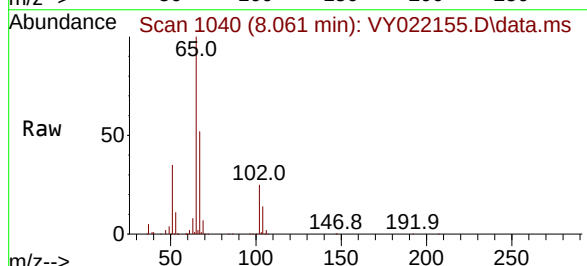
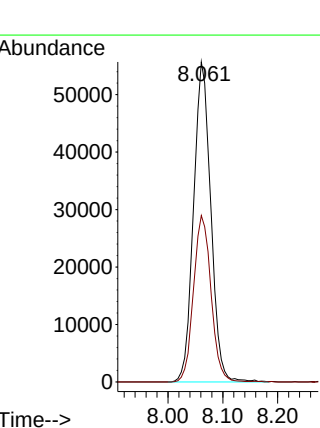
Delta R.T. -0.000 min

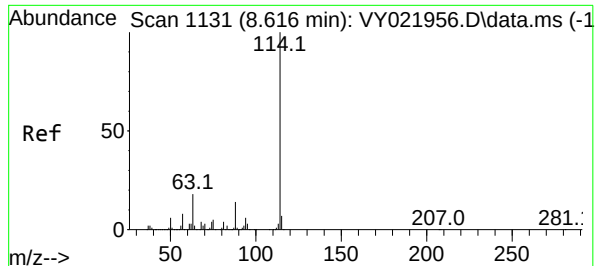
Lab File: VY022155.D

Acq: 05 May 2025 13:34

Tgt Ion: 65 Resp: 121439

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A

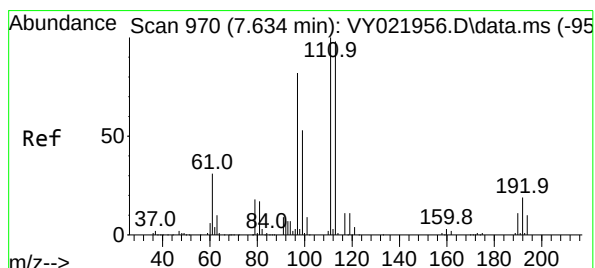
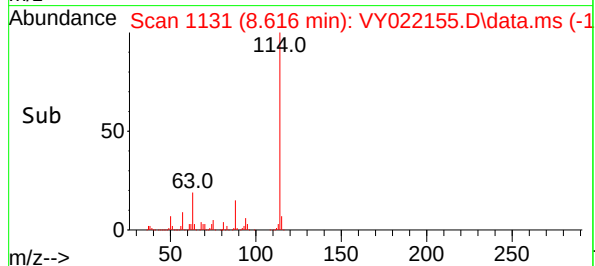
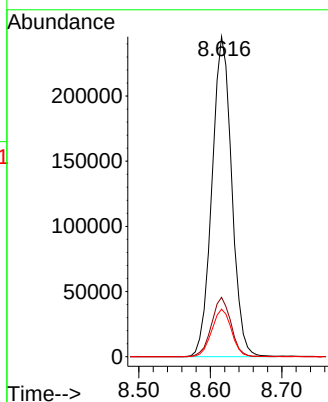
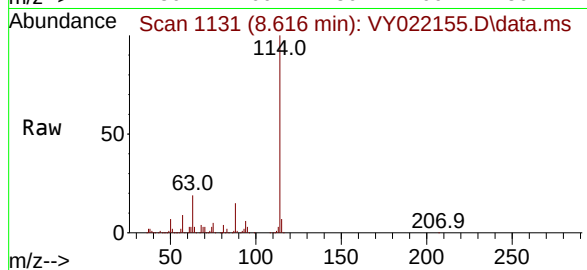
Tgt Ion:114 Resp: 470540

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.629 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

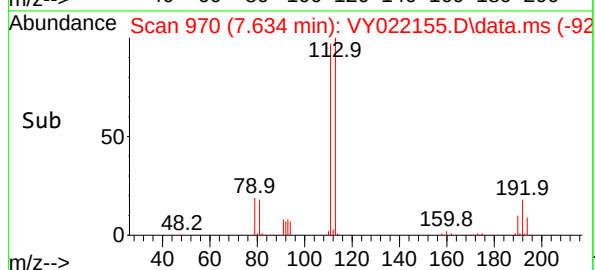
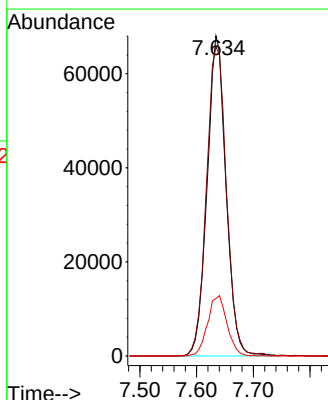
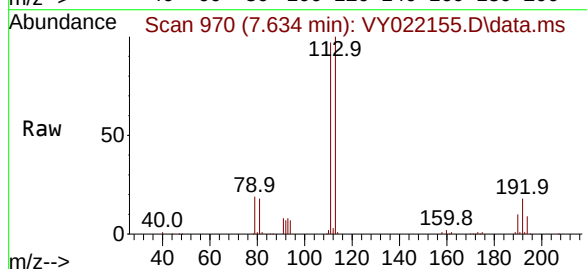
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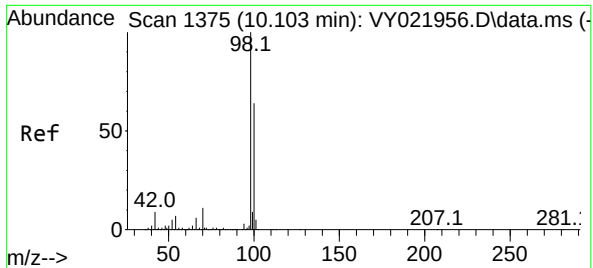
Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

192 19.4 15.6 23.4

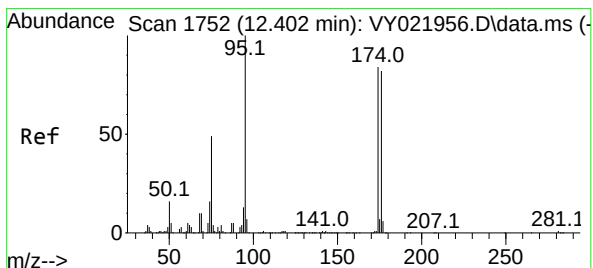
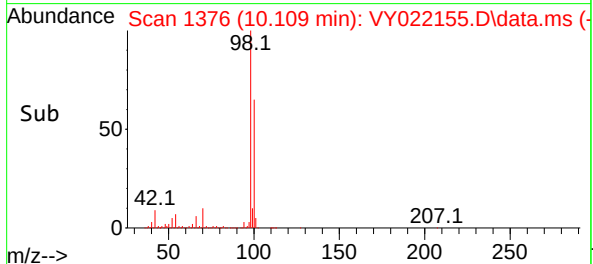
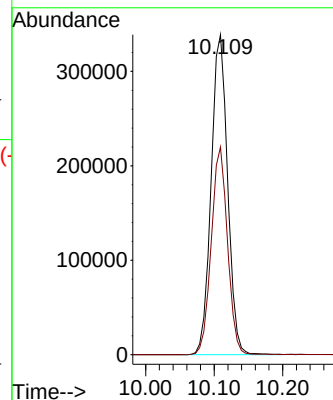
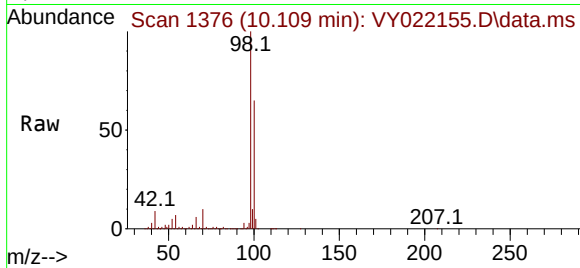




#50
Toluene-d8
Concen: 48.353 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

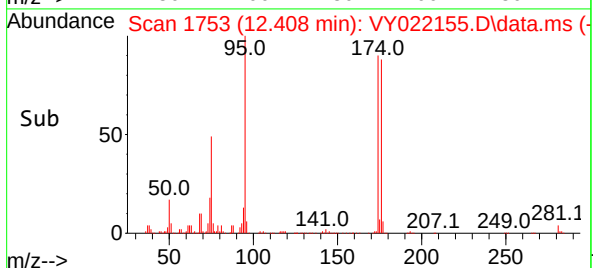
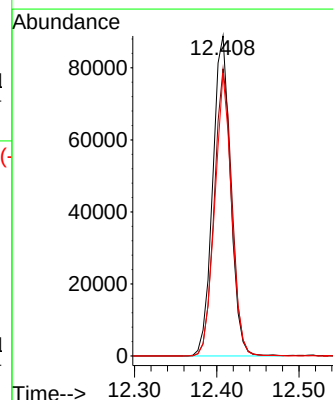
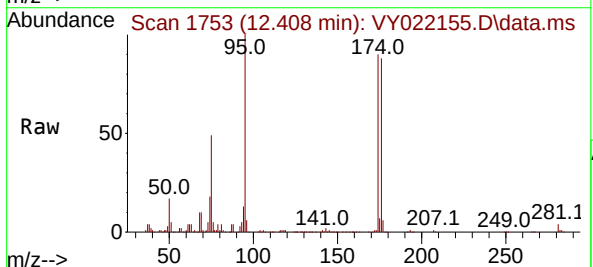
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

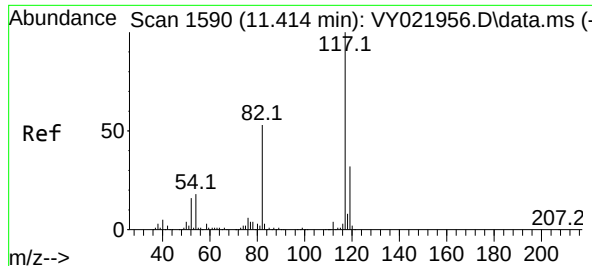
Tgt Ion: 98 Resp: 566675
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 33.830 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022155.D
Acq: 05 May 2025 13:34

Tgt Ion: 95 Resp: 133468
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.0
176 83.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022155.D

Acq: 05 May 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-A

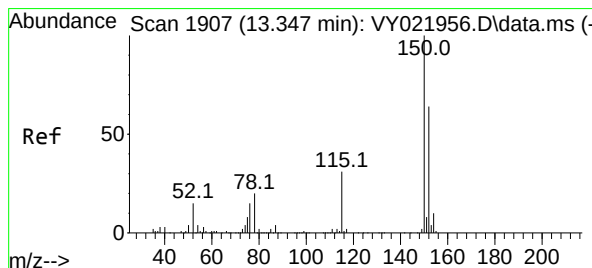
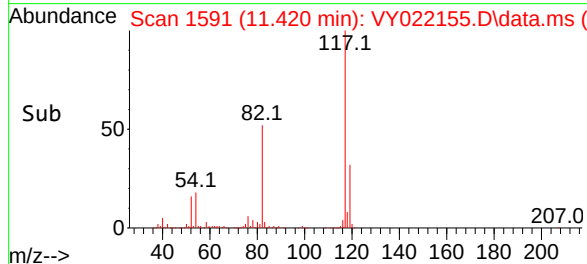
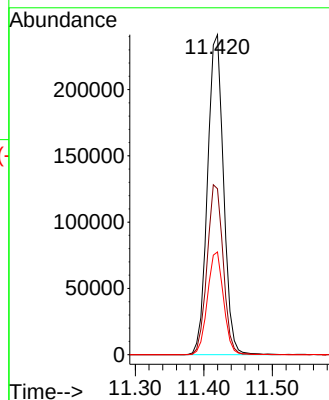
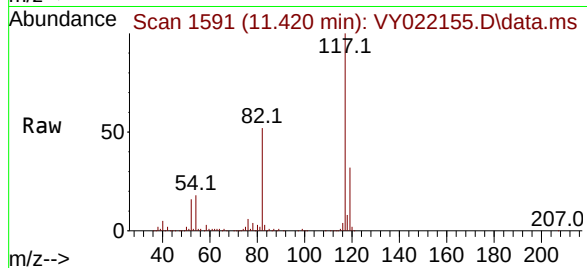
Tgt Ion:117 Resp: 392719

Ion Ratio Lower Upper

117 100

82 51.9 42.1 63.1

119 32.1 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: VY022155.D

Acq: 05 May 2025 13:34

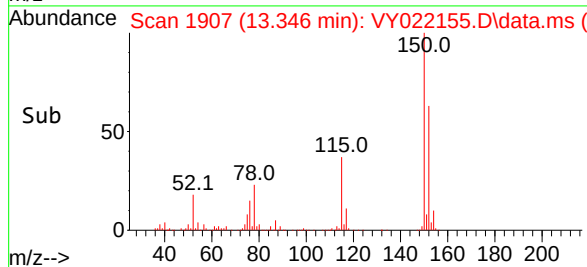
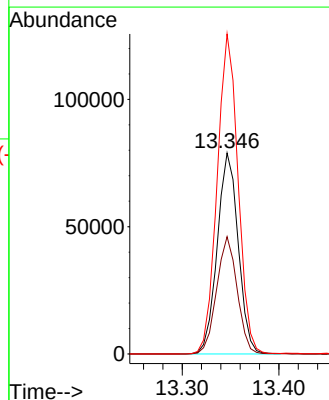
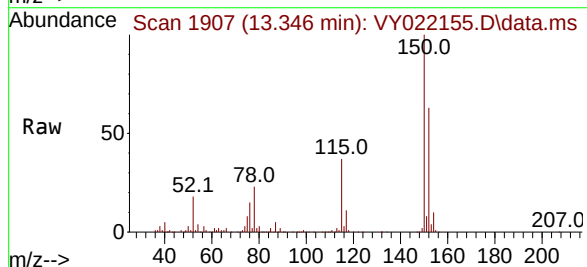
Tgt Ion:152 Resp: 118743

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 158.3 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022155.D
Acq On : 05 May 2025 13:34
Operator : SY/MD
Sample : Q1938-02
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022155.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	rBV2	20907	66147	4.59%	0.972%
2	6.890	840	848	860	rBV2	4256	15570	1.08%	0.229%
3	7.634	959	970	976	rBV	219037	520899	36.11%	7.658%
4	7.707	976	982	1000	rVB	310478	730482	50.63%	10.739%
5	8.061	1030	1040	1051	rBV	154307	340665	23.61%	5.008%
6	8.616	1118	1131	1143	rBV	549820	1056558	73.24%	15.532%
7	10.109	1368	1376	1391	rBV	855015	1442651	100.00%	21.208%
8	11.420	1582	1591	1606	rBV	693320	1154252	80.01%	16.968%
9	12.408	1746	1753	1761	rBV	467073	717006	49.70%	10.541%
10	13.346	1900	1907	1916	rBV	463179	691021	47.90%	10.159%
11	13.883	1989	1995	2001	rVB2	42337	67139	4.65%	0.987%

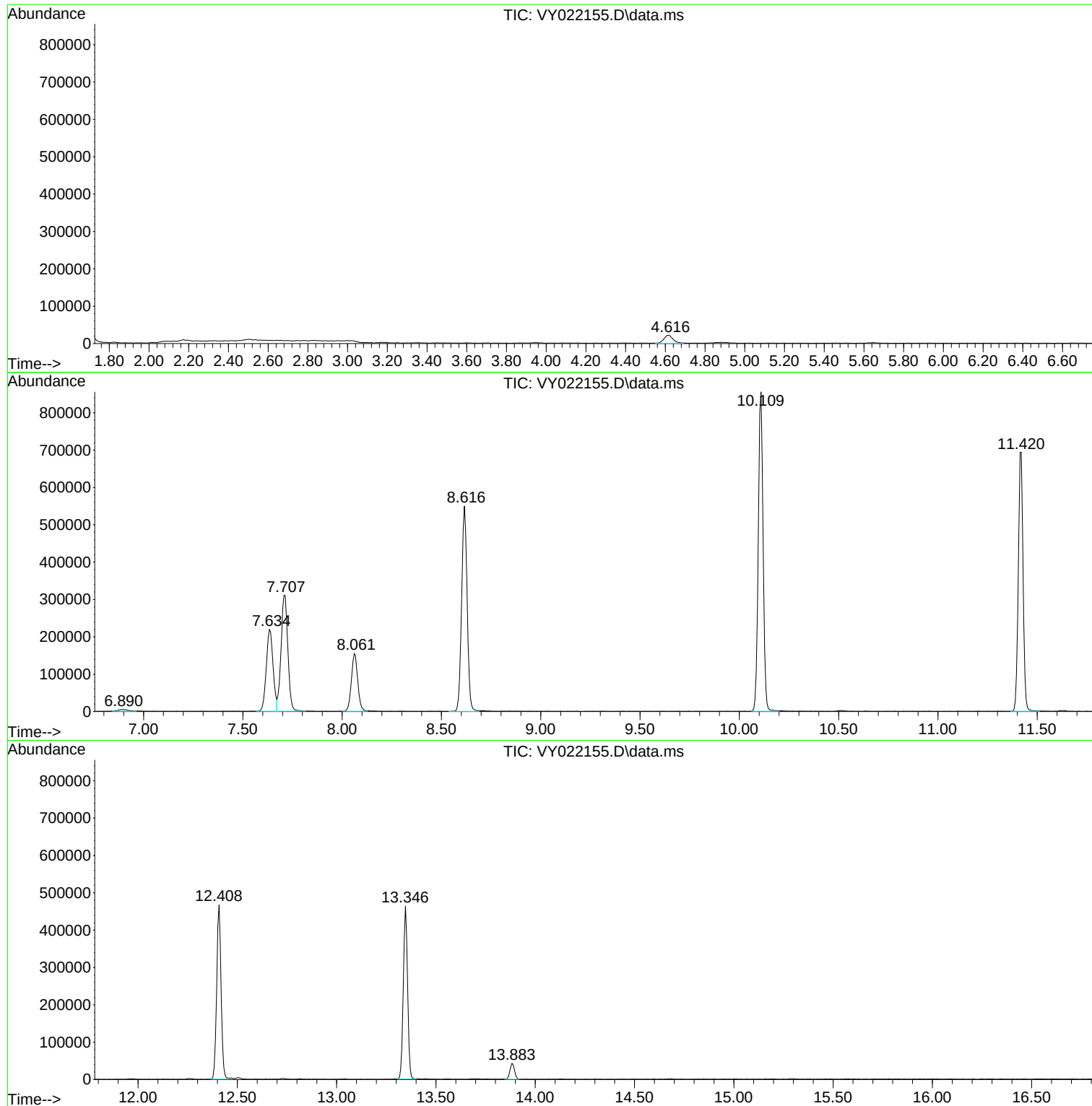
Sum of corrected areas: 6802390

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022155.D
Acq On : 05 May 2025 13:34
Operator : SY/MD
Sample : Q1938-02
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022155.D
Acq On : 05 May 2025 13:34
Operator : SY/MD
Sample : Q1938-02
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050525\
Data File : VY022155.D
Acq On : 05 May 2025 13:34
Operator : SY/MD
Sample : Q1938-02
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96
Sample Wt/Vol:	5.96 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
VY022156.D	1		05/05/25 13:58	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.69	U	0.69	4.40	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.93	U	0.93	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	4.40	ug/Kg
67-64-1	Acetone	4.10	U	4.10	21.8	ug/Kg
75-15-0	Carbon Disulfide	0.93	U	0.93	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.64	U	0.64	4.40	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.40	ug/Kg
75-09-2	Methylene Chloride	3.20	J	3.10	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.75	U	0.75	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	4.40	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	4.40	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	21.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.40	ug/Kg
71-43-2	Benzene	0.69	U	0.69	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	4.40	ug/Kg
79-01-6	Trichloroethene	0.71	U	0.71	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.80	U	0.80	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.68	U	0.68	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.8	ug/Kg
108-88-3	Toluene	0.68	U	0.68	4.40	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96
Sample Wt/Vol:	5.96 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
VY022156.D	1		05/05/25 13:58	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.40	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.8	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.92	U	0.92	4.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.70	ug/Kg
95-47-6	o-Xylene	0.72	U	0.72	4.40	ug/Kg
100-42-5	Styrene	0.62	U	0.62	4.40	ug/Kg
75-25-2	Bromoform	0.75	U	0.75	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.68	U	0.68	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	7.707			
540-36-3	1,4-Difluorobenzene	476000	8.615			
3114-55-4	Chlorobenzene-d5	408000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96
Sample Wt/Vol:	5.96 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
VY022156.D	1		05/05/25 13:58	VY050525

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\VY050525\
 Data File : VY022156.D
 Acq On : 05 May 2025 13:58
 Operator : SY/MD
 Sample : Q1938-04
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-B

Quant Time: May 06 05:21:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

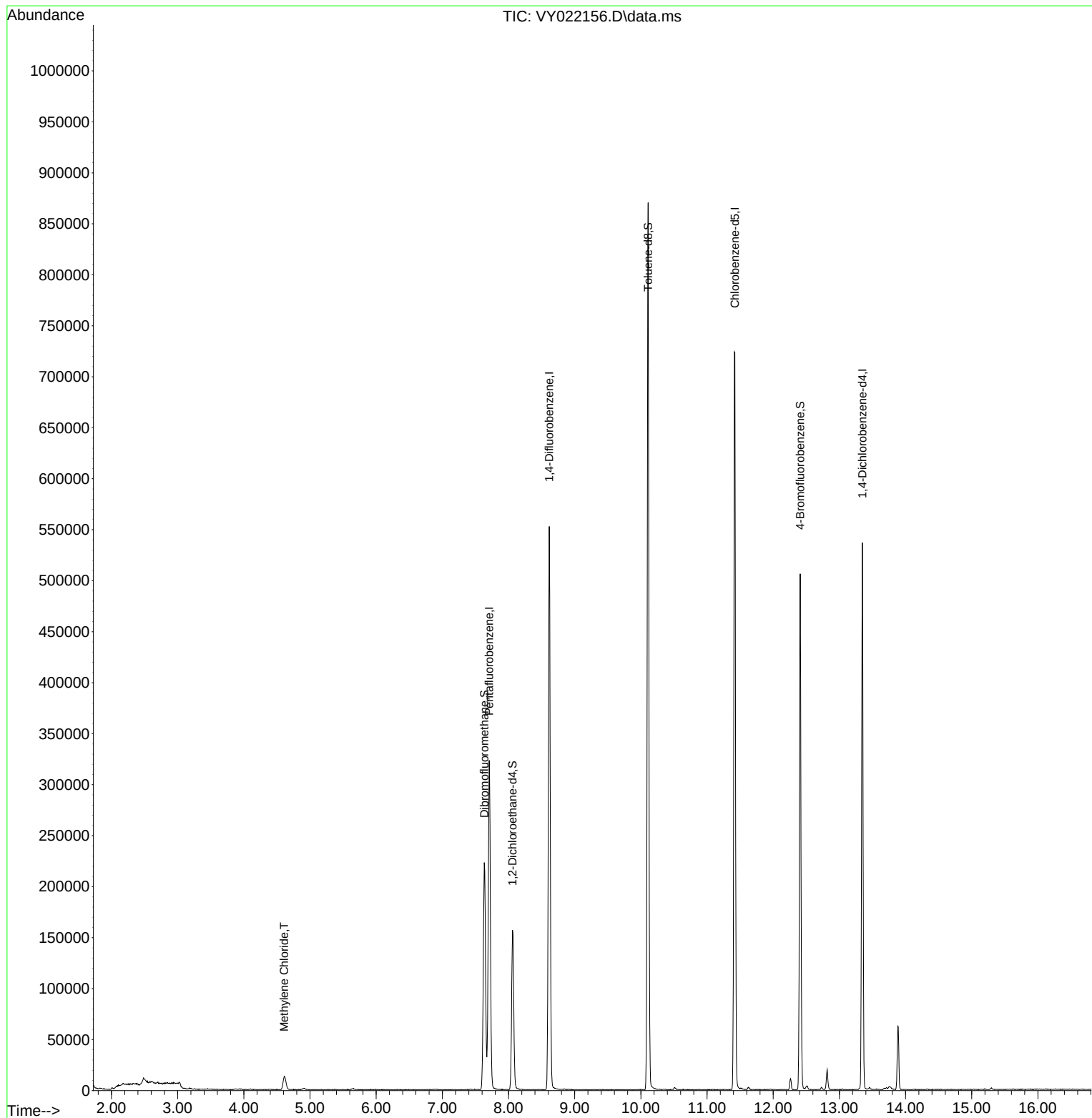
Internal Standards						
1) Pentafluorobenzene	7.707	168	247569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	475913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	407953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	135235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124108	54.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.540%	
35) Dibromofluoromethane	7.634	113	159708	50.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.600%	
50) Toluene-d8	10.109	98	571643	48.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	12.407	95	148871	37.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.620%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	10455	3.616	ug/l	95

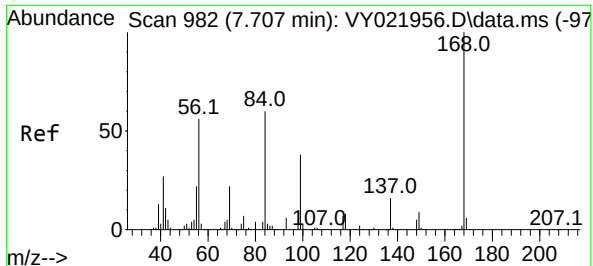
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022156.D
Acq On : 05 May 2025 13:58
Operator : SY/MD
Sample : Q1938-04
Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

Quant Time: May 06 05:21:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

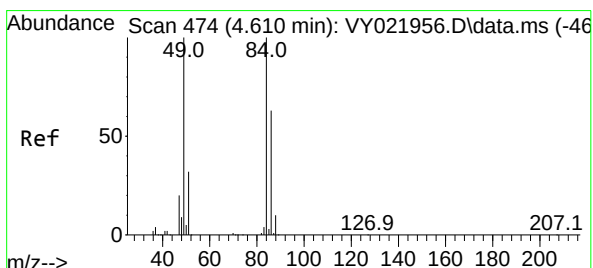
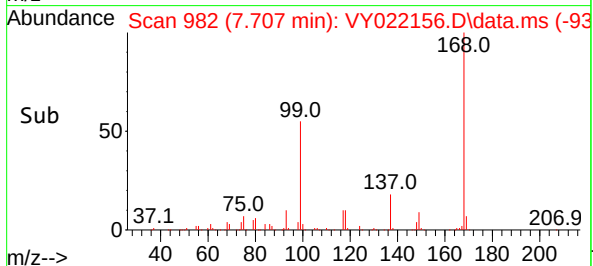
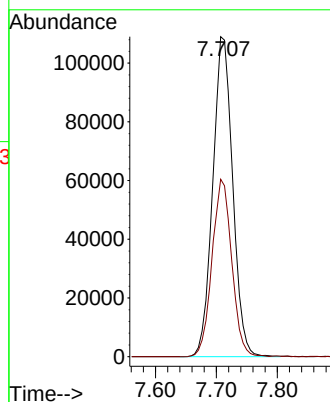
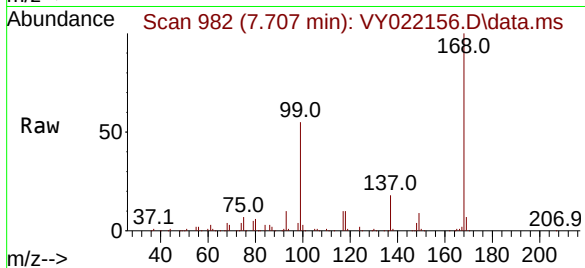




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

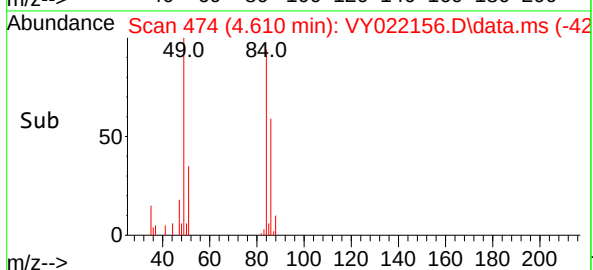
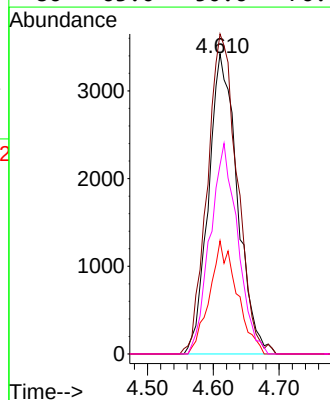
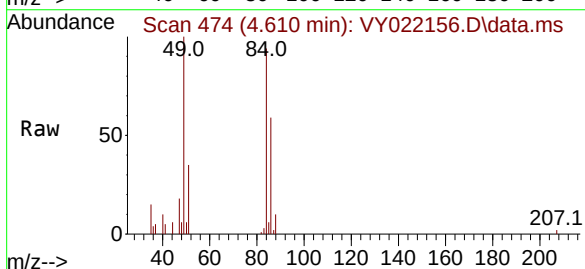
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

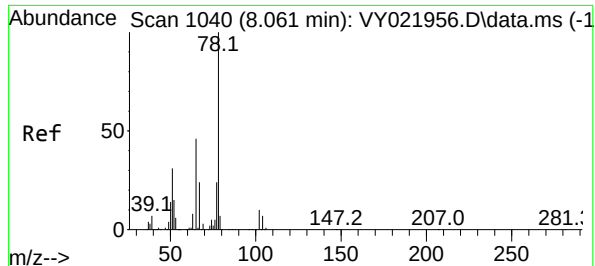
Tgt Ion:168 Resp: 247569
Ion Ratio Lower Upper
168 100
99 55.5 43.1 64.7



#20
Methylene Chloride
Concen: 3.616 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 84 Resp: 10455
Ion Ratio Lower Upper
84 100
49 106.6 79.9 119.9
51 37.7 25.4 38.0
86 63.0 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 54.273 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

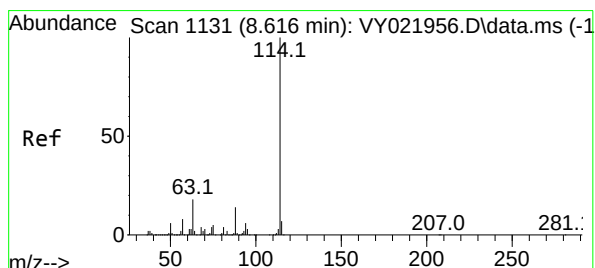
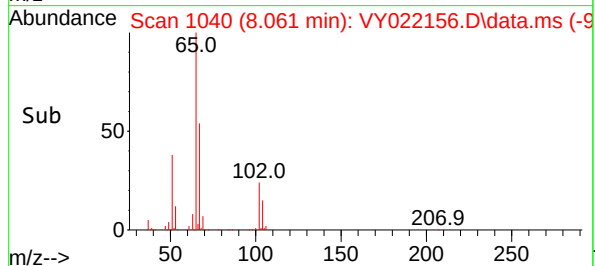
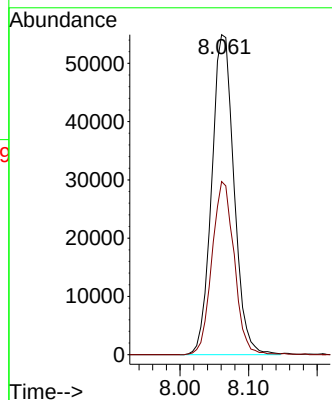
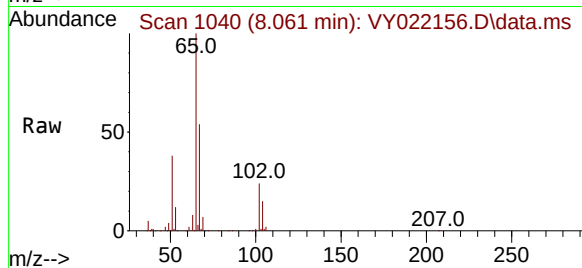
LOWER-WALL-PILE-B

Tgt Ion: 65 Resp: 124108

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

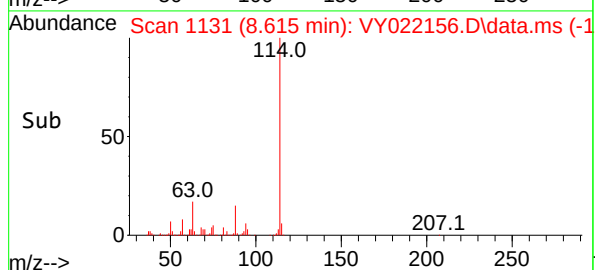
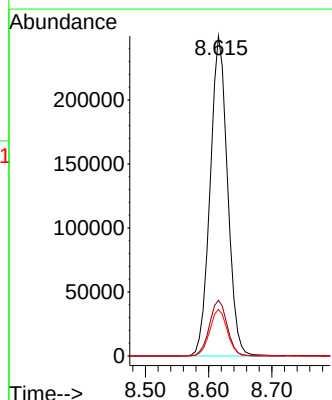
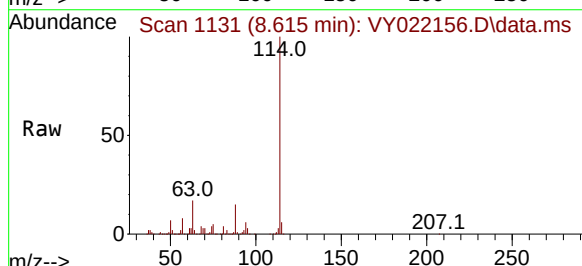
Tgt Ion: 114 Resp: 475913

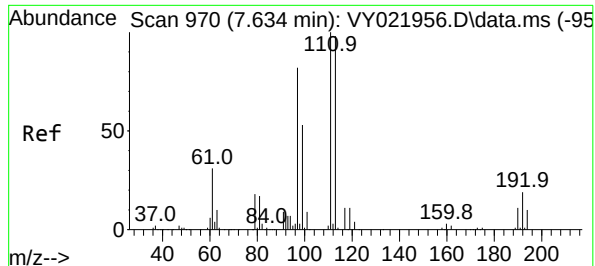
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.796 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-B

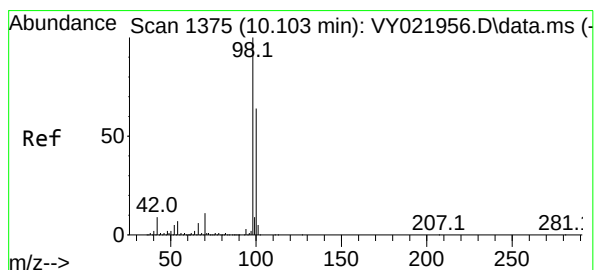
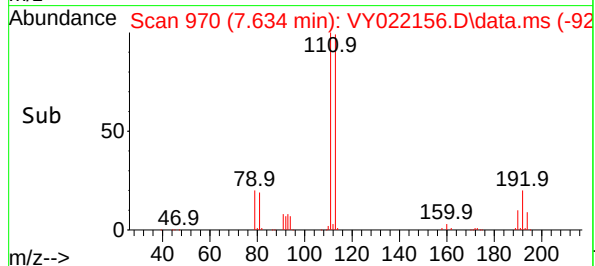
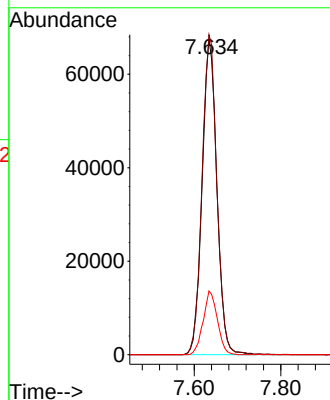
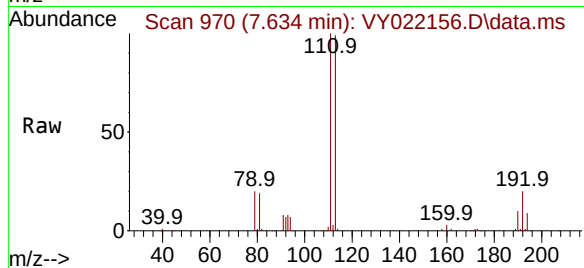
Tgt Ion:113 Resp: 159708

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 19.4 15.6 23.4



#50

Toluene-d8

Concen: 48.226 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022156.D

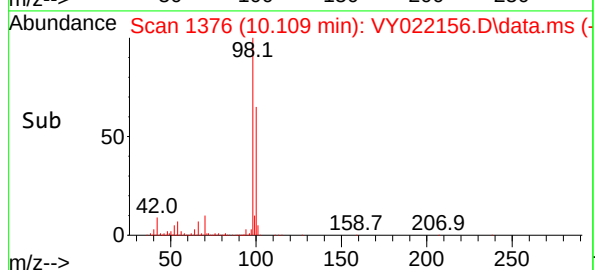
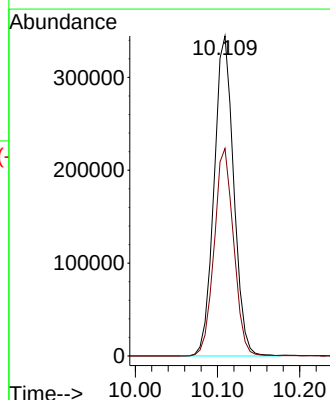
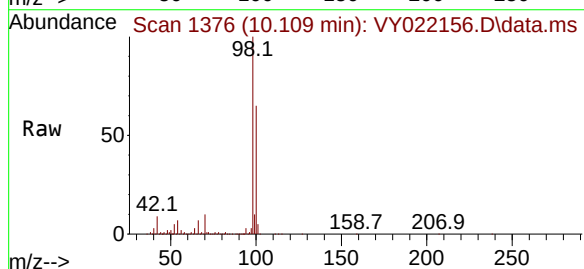
Acq: 05 May 2025 13:58

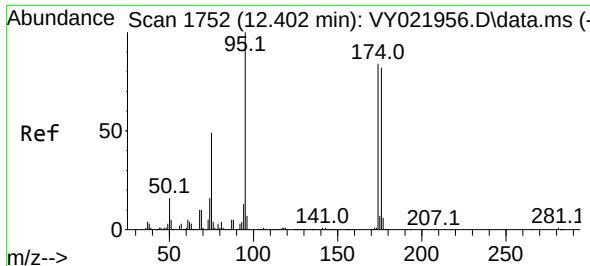
Tgt Ion: 98 Resp: 571643

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

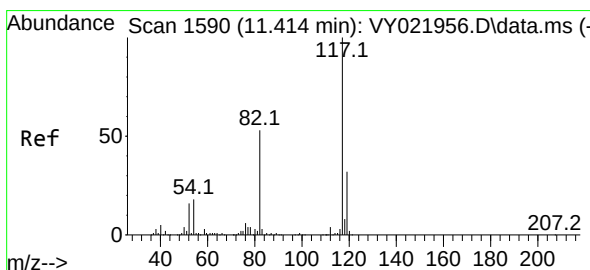
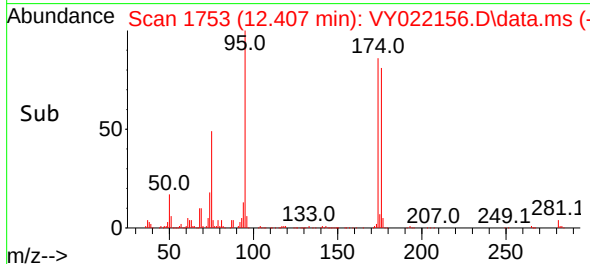
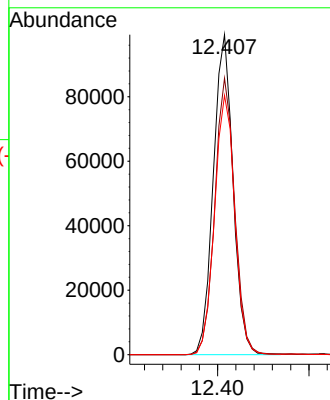
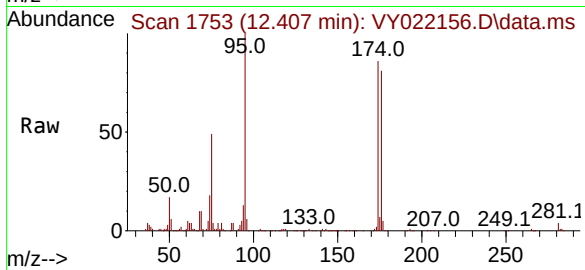




#62
4-Bromofluorobenzene
Concen: 37.308 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

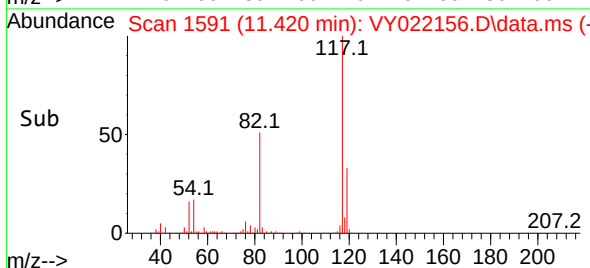
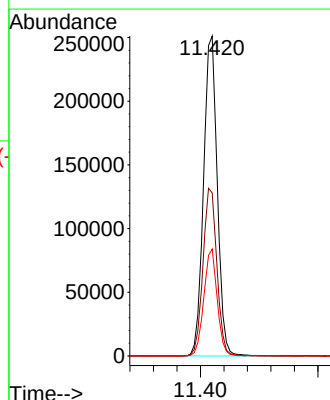
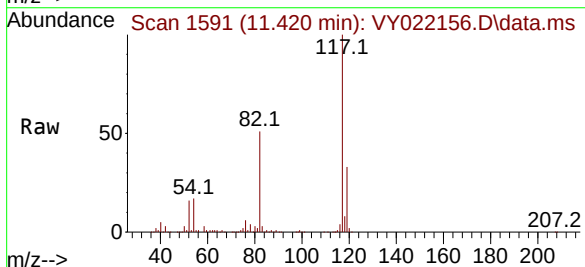
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

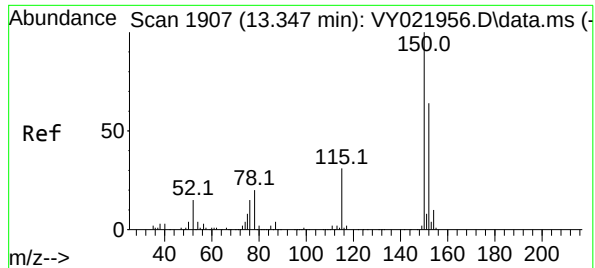
Tgt Ion: 95 Resp: 148871
Ion Ratio Lower Upper
95 100
174 87.4 0.0 179.0
176 83.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 117 Resp: 407953
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 33.4 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: VY022156.D

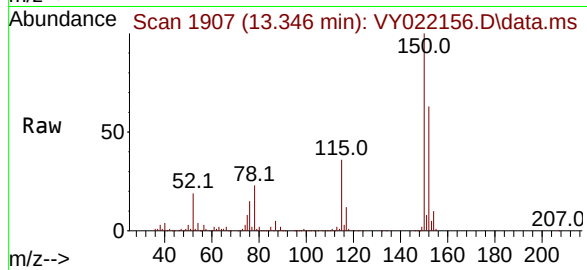
Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-B



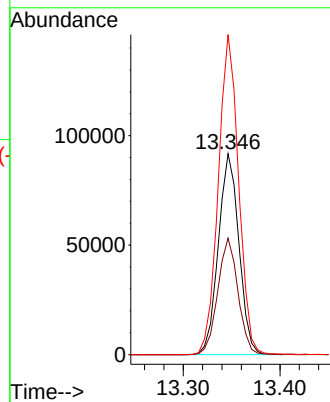
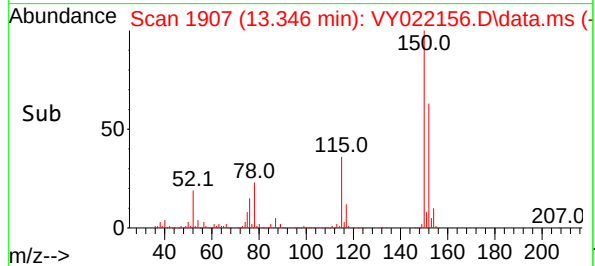
Tgt Ion:152 Resp: 135235

Ion Ratio Lower Upper

152 100

115 57.2 28.0 84.0

150 157.8 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022156.D
Acq On : 05 May 2025 13:58
Operator : SY/MD
Sample : Q1938-04
Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022156.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.482	116	125	134	rBV10	6989	25979	1.77%	0.363%
2	4.610	462	474	487	rBV2	13290	41651	2.83%	0.582%
3	7.634	958	970	976	rBV	222868	525373	35.73%	7.341%
4	7.707	976	982	994	rVB	321952	729523	49.62%	10.194%
5	8.061	1031	1040	1054	rBV	156480	354742	24.13%	4.957%
6	8.615	1120	1131	1141	rBV	552499	1060757	72.14%	14.822%
7	10.109	1368	1376	1392	rBV	870101	1470319	100.00%	20.545%
8	11.414	1582	1590	1604	rBV	723678	1201908	81.74%	16.794%
9	12.261	1724	1729	1735	rVB2	11015	18090	1.23%	0.253%
10	12.407	1745	1753	1762	rBV	505802	796021	54.14%	11.123%
11	12.816	1813	1820	1826	rBV2	19448	31388	2.13%	0.439%
12	13.346	1894	1907	1919	rBV	536534	796569	54.18%	11.130%
13	13.883	1989	1995	2003	rBV2	62410	104319	7.09%	1.458%

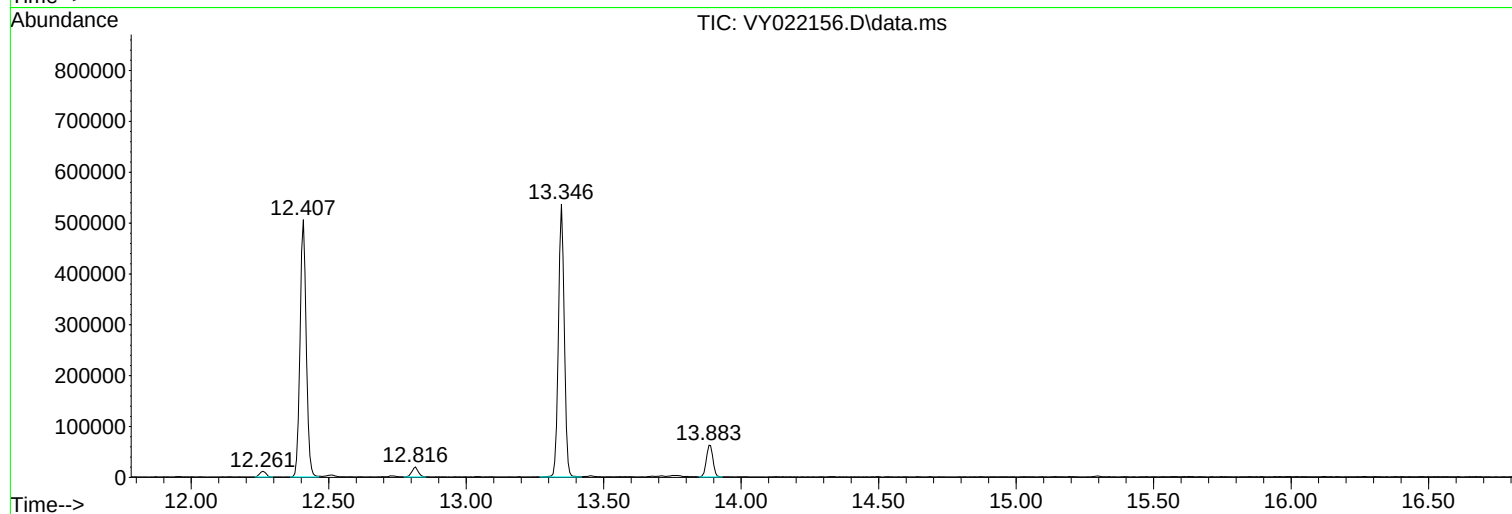
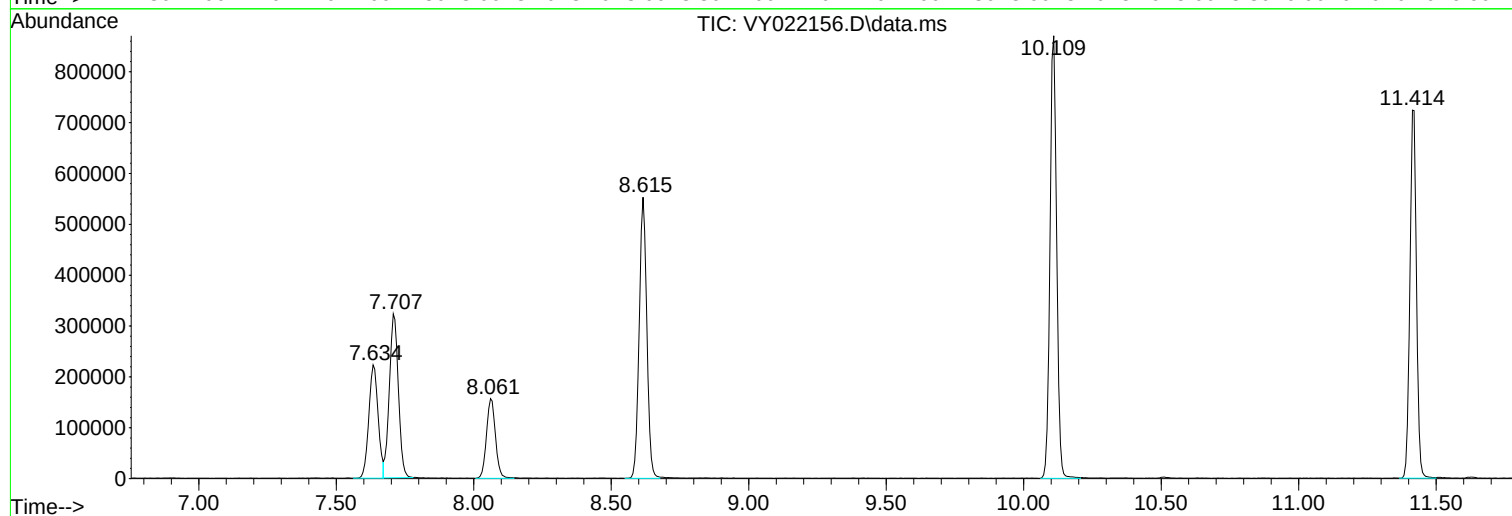
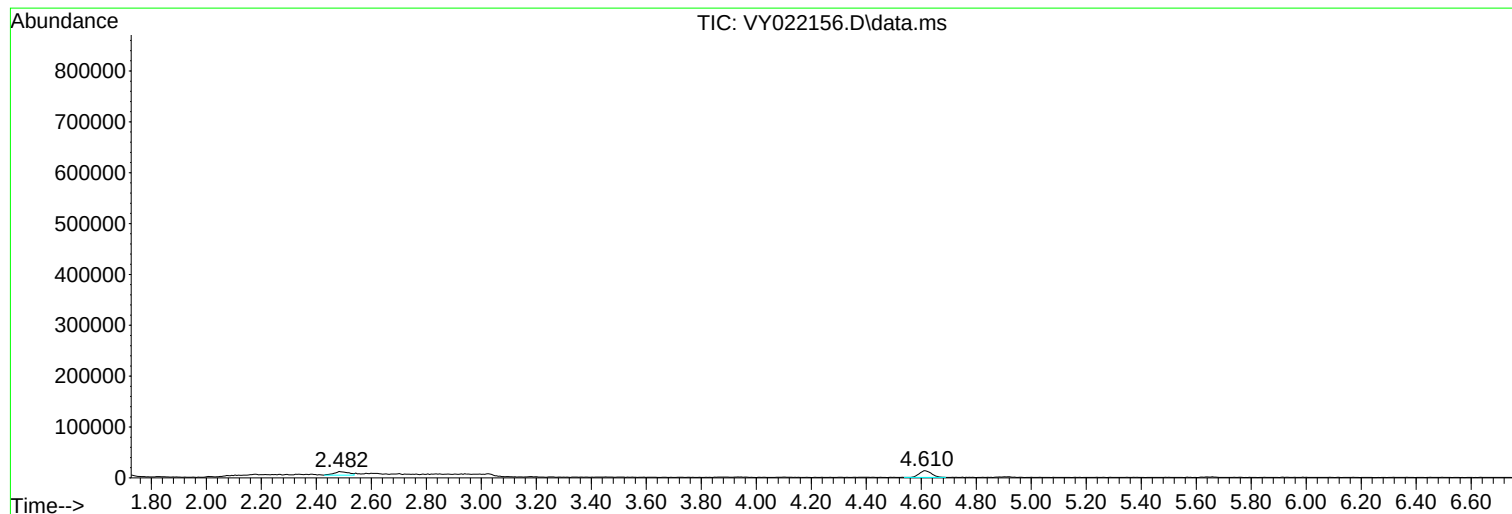
Sum of corrected areas: 7156639

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022156.D
Acq On : 05 May 2025 13:58
Operator : SY/MD
Sample : Q1938-04
Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022156.D
Acq On : 05 May 2025 13:58
Operator : SY/MD
Sample : Q1938-04
Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050525\
Data File : VY022156.D
Acq On : 05 May 2025 13:58
Operator : SY/MD
Sample : Q1938-04
Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.49 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
VY022157.D	1		05/05/25 14:21	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.74	U	0.74	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.99	U	0.99	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.70	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.3	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.70	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.70	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.3	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.49 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
VY022157.D	1		05/05/25 14:21	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	4.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.70	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.0		70 (38) - 130 (136)	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236000	7.713			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	394000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.49 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
VY022157.D	1		05/05/25 14:21	VY050525

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\VY050525\
 Data File : VY022157.D
 Acq On : 05 May 2025 14:21
 Operator : SY/MD
 Sample : Q1938-06
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-C

Quant Time: May 06 05:21:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	236208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121736	55.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.634	113	154327	51.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.500%
50) Toluene-d8	10.109	98	553452	48.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.408	95	141467	37.019	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.040%

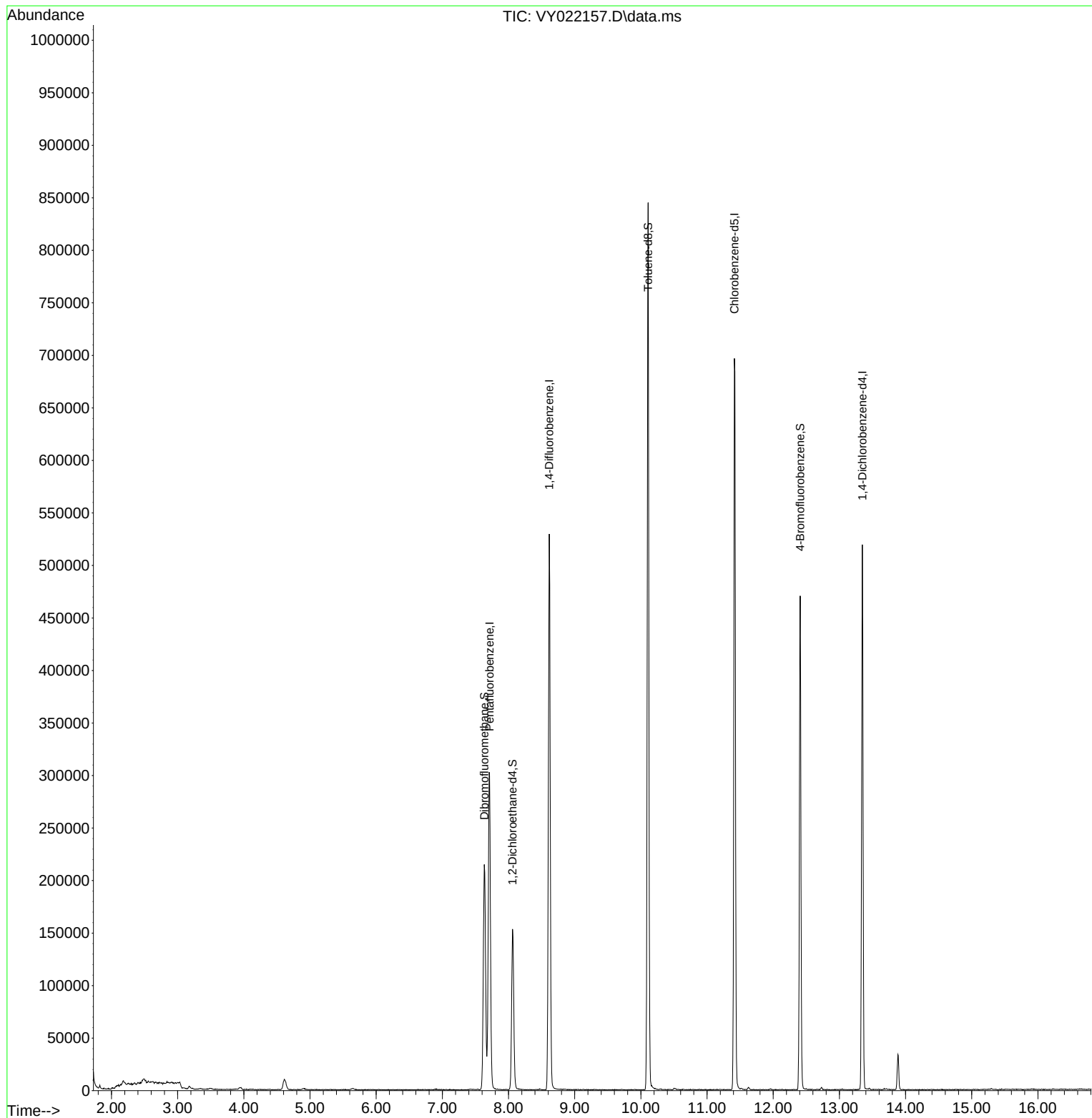
Target Compounds	Qvalue

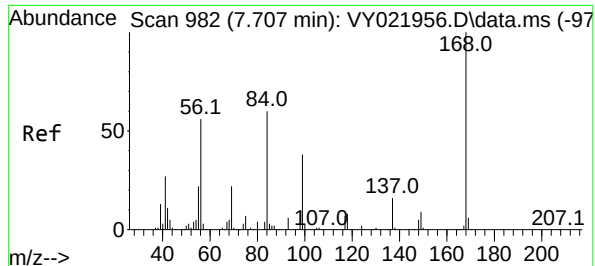
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022157.D
Acq On : 05 May 2025 14:21
Operator : SY/MD
Sample : Q1938-06
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Quant Time: May 06 05:21:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

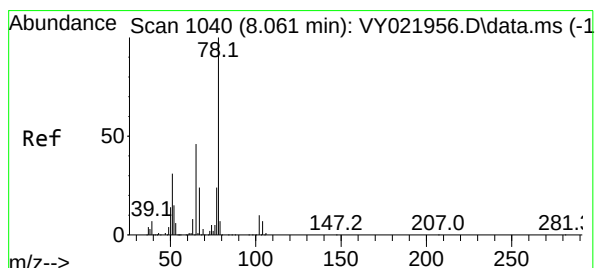
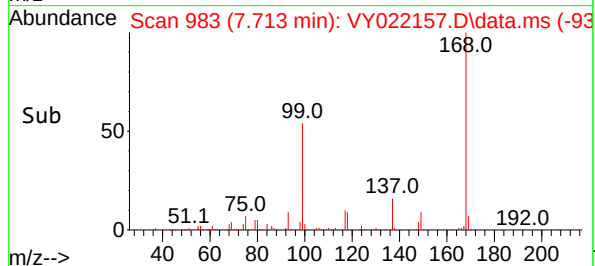
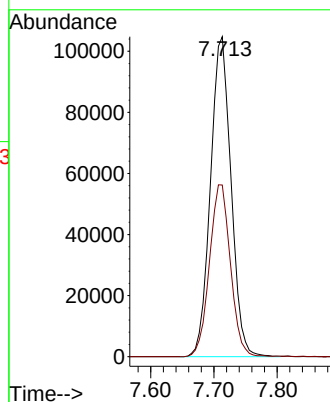
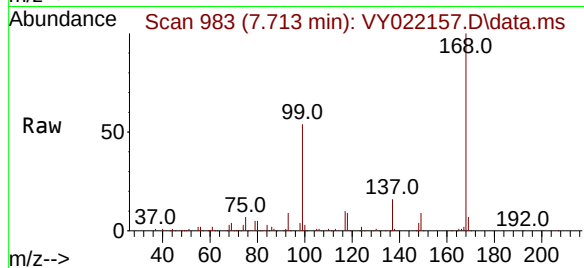




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

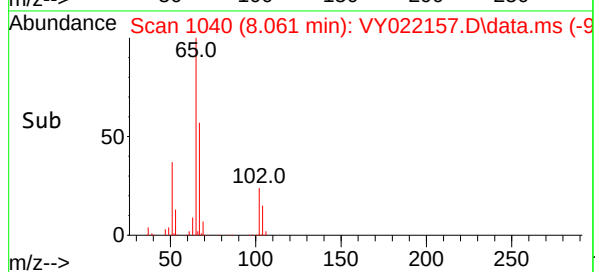
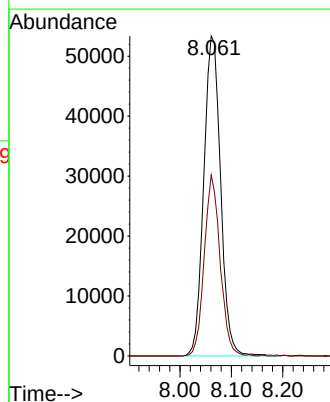
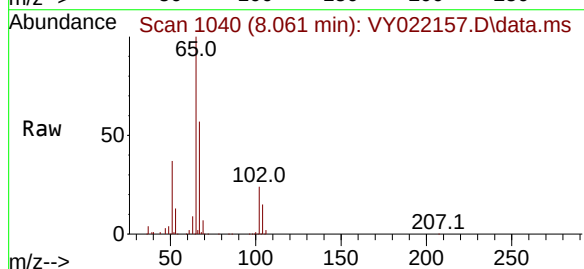
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

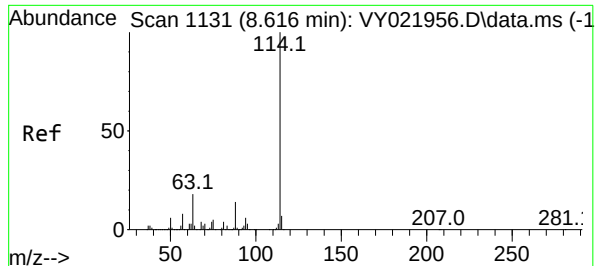
Tgt Ion:168 Resp: 236208
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 65 Resp: 121736
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-C

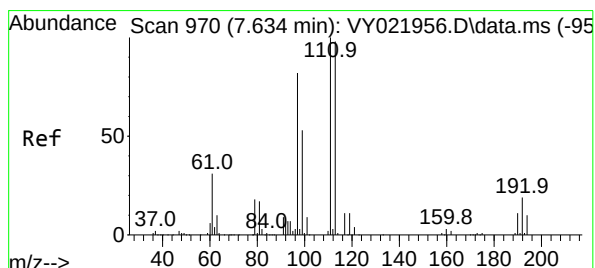
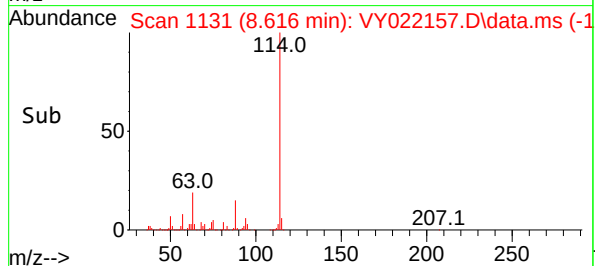
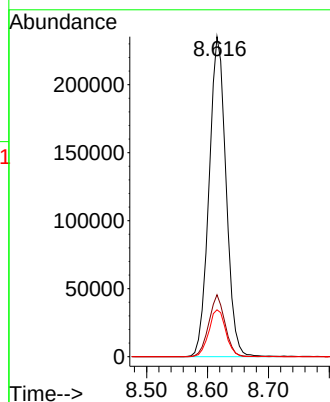
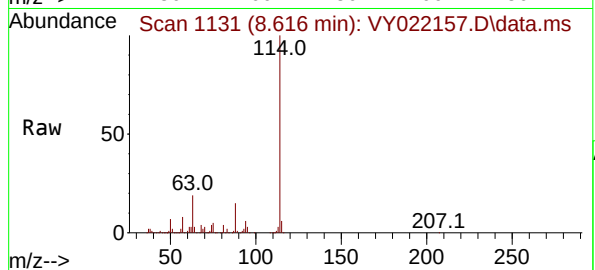
Tgt Ion:114 Resp: 455775

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.253 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

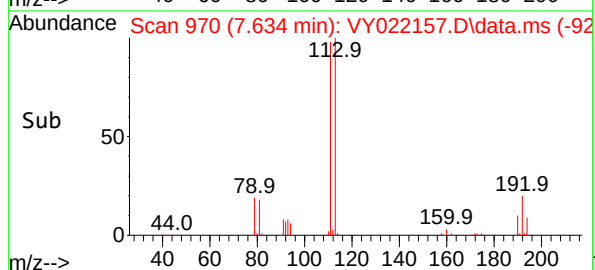
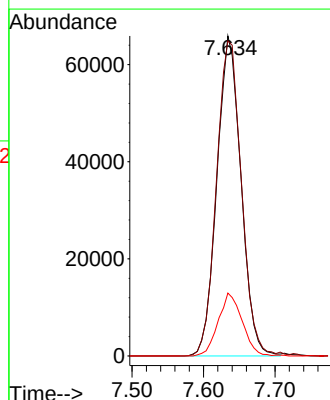
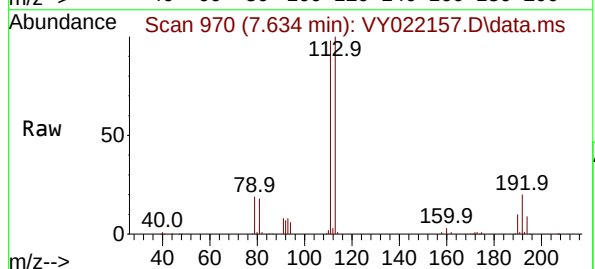
Tgt Ion:113 Resp: 154327

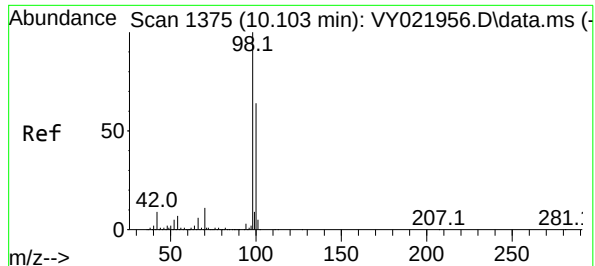
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 19.6 15.6 23.4





#50

Toluene-d8

Concen: 48.755 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

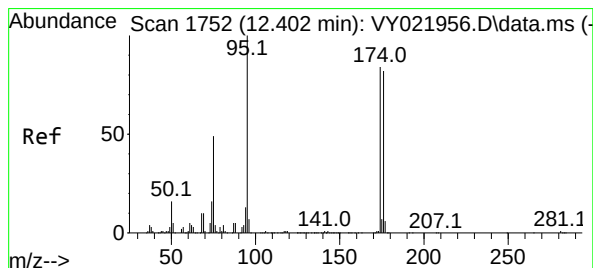
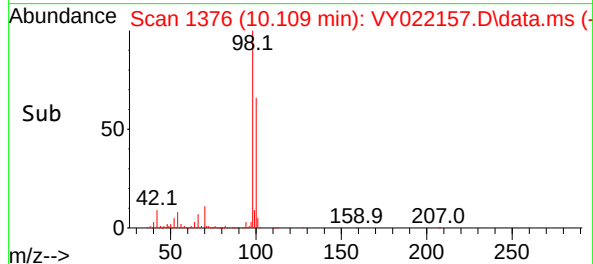
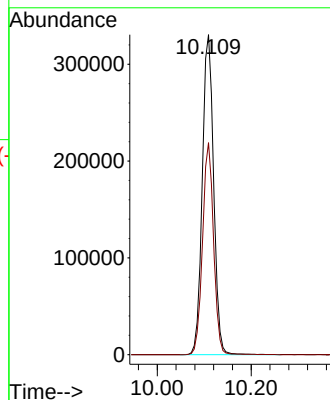
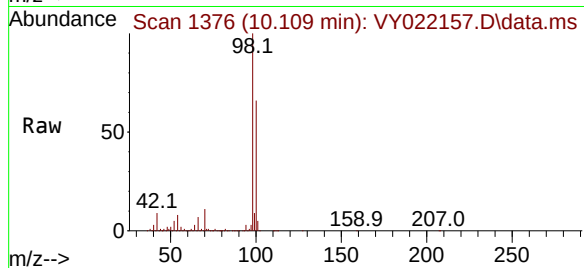
LOWER-WALL-PILE-C

Tgt Ion: 98 Resp: 553452

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 37.019 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

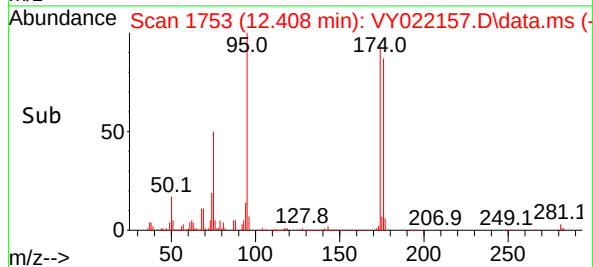
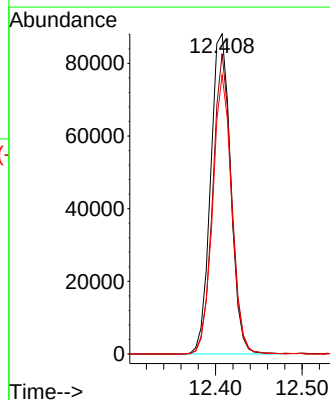
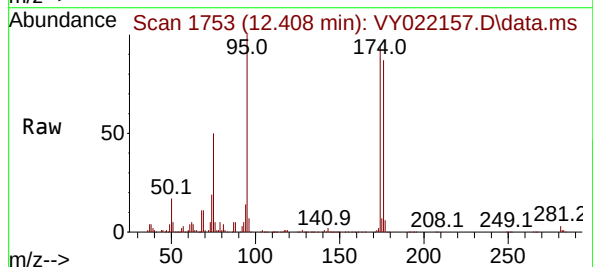
Tgt Ion: 95 Resp: 141467

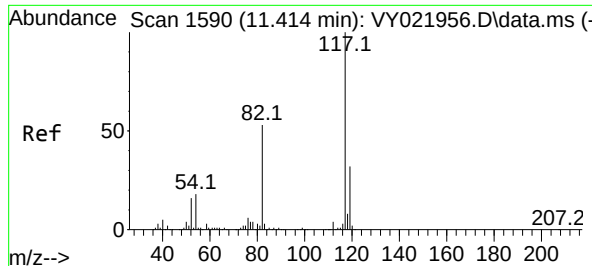
Ion Ratio Lower Upper

95 100

174 88.0 0.0 179.0

176 82.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-C

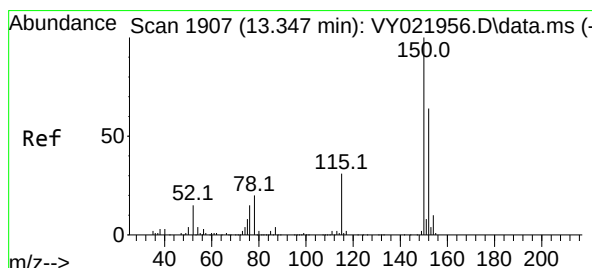
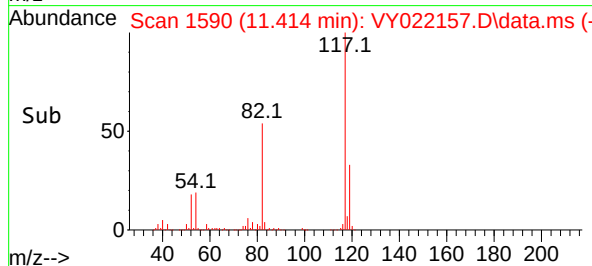
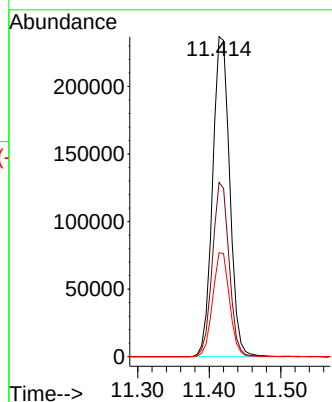
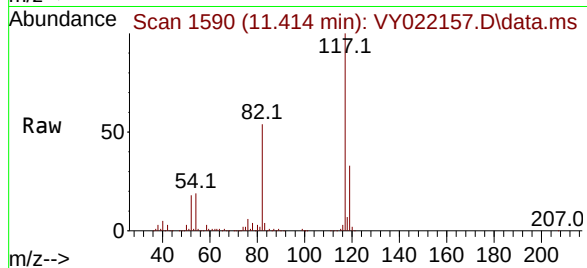
Tgt Ion:117 Resp: 393874

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.5 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: VY022157.D

Acq: 05 May 2025 14:21

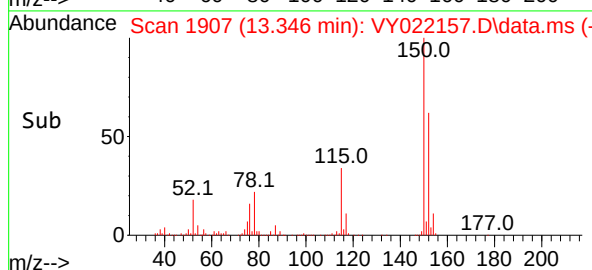
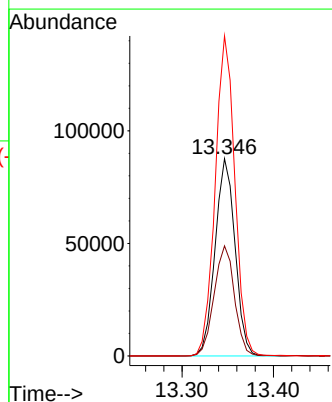
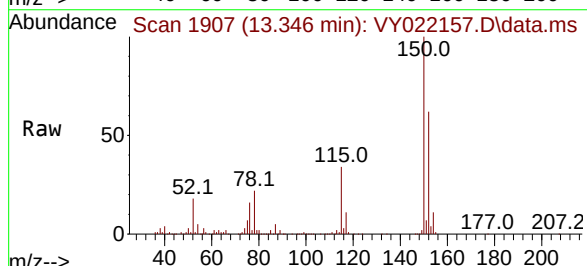
Tgt Ion:152 Resp: 132998

Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 159.7 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022157.D
Acq On : 05 May 2025 14:21
Operator : SY/MD
Sample : Q1938-06
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022157.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	485	rBV4	9979	32268	2.27%	0.477%
2	7.634	958	970	976	rBV	214580	510406	35.98%	7.538%
3	7.707	976	982	996	rVB	301517	697898	49.20%	10.307%
4	8.061	1030	1040	1051	rBV	152984	344987	24.32%	5.095%
5	8.616	1122	1131	1156	rBV	529320	1028958	72.54%	15.196%
6	10.109	1367	1376	1392	rBV	844744	1418458	100.00%	20.948%
7	11.414	1583	1590	1604	rBV	695772	1153106	81.29%	17.029%
8	12.408	1745	1753	1762	rBV	470294	748476	52.77%	11.054%
9	13.346	1900	1907	1914	rBV	518479	781478	55.09%	11.541%
10	13.883	1987	1995	2001	rBV	33577	55282	3.90%	0.816%

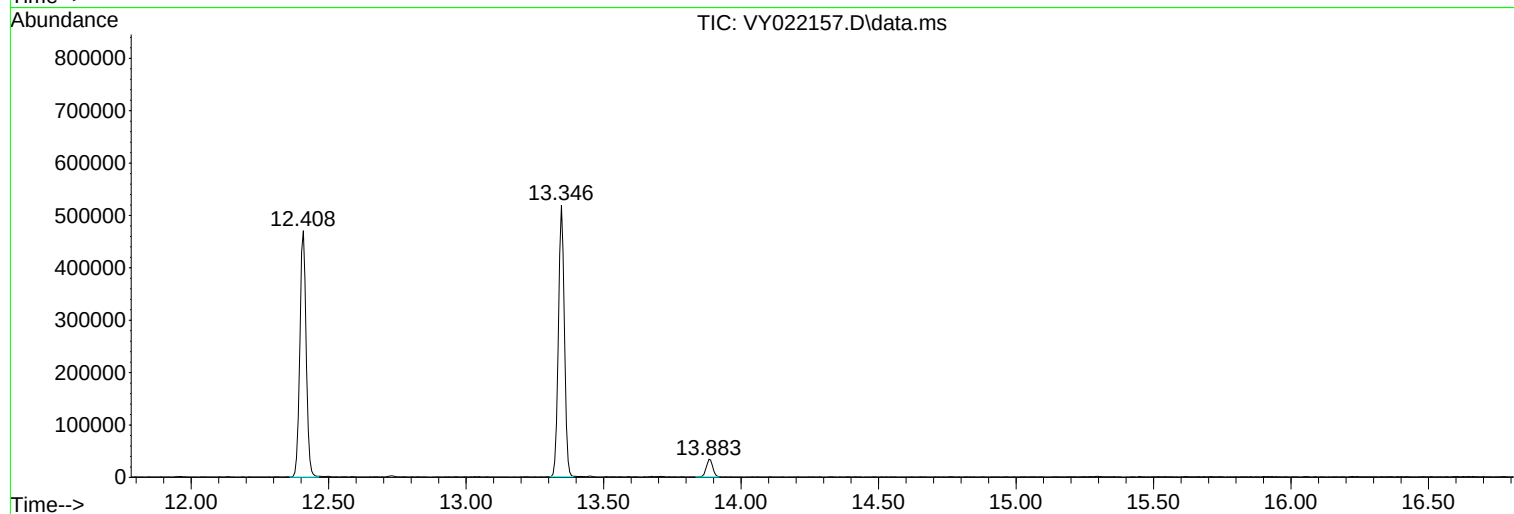
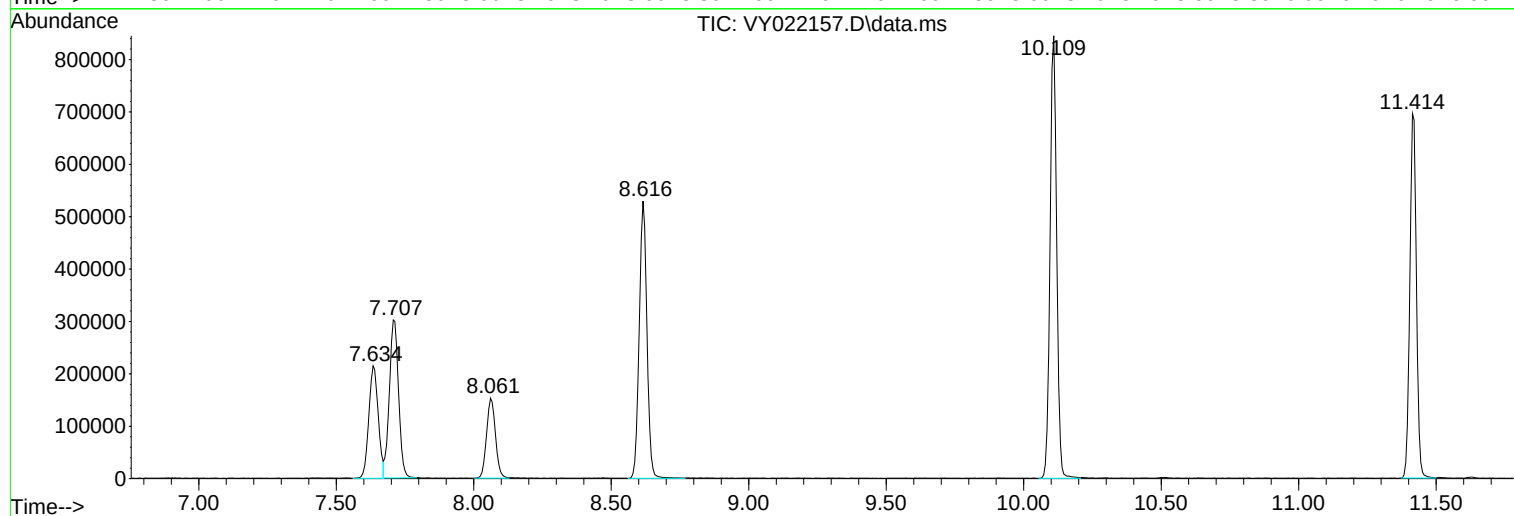
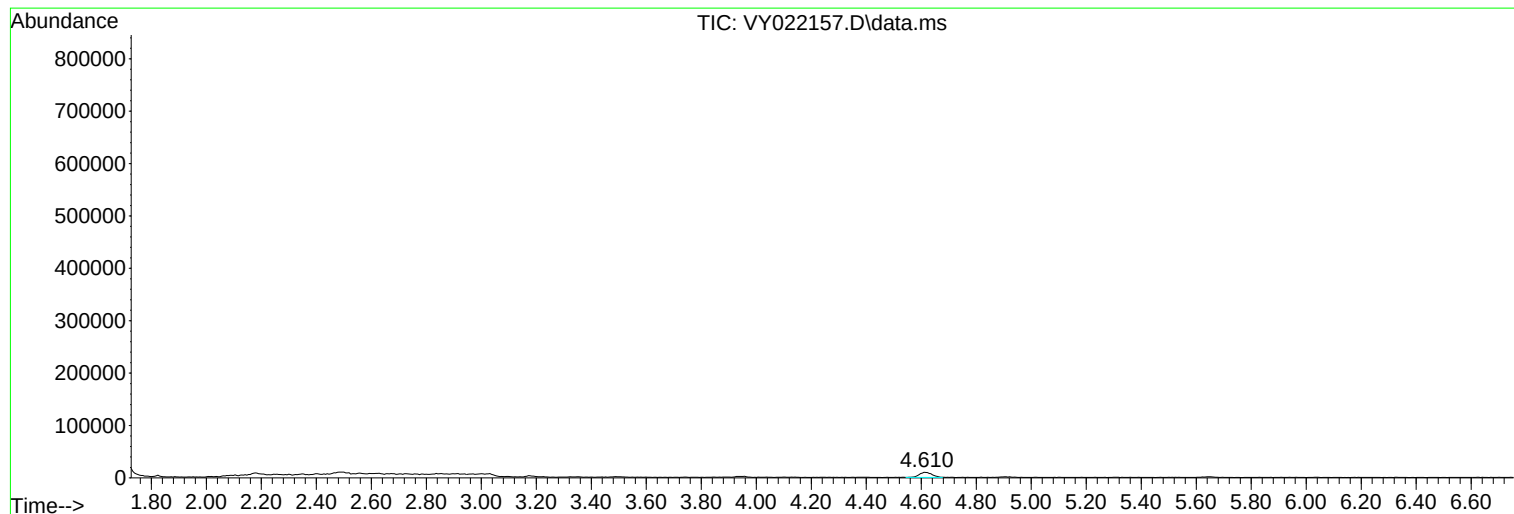
Sum of corrected areas: 6771317

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022157.D
Acq On : 05 May 2025 14:21
Operator : SY/MD
Sample : Q1938-06
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022157.D
Acq On : 05 May 2025 14:21
Operator : SY/MD
Sample : Q1938-06
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050525\
Data File : VY022157.D
Acq On : 05 May 2025 14:21
Operator : SY/MD
Sample : Q1938-06
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	5.9 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
VY022158.D	1		05/05/25 14:45	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.50	ug/Kg
67-64-1	Acetone	4.20	U	4.20	22.4	ug/Kg
75-15-0	Carbon Disulfide	0.95	U	0.95	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.50	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.81	U	0.81	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.4	ug/Kg
108-88-3	Toluene	0.70	U	0.70	4.50	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	5.9 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
VY022158.D	1		05/05/25 14:45	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.50	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.4	ug/Kg
124-48-1	Dibromochloromethane	0.78	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.94	U	0.94	4.50	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.90	ug/Kg
95-47-6	o-Xylene	0.73	U	0.73	4.50	ug/Kg
100-42-5	Styrene	0.64	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	0.77	U	0.77	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.1		70 (38) - 130 (136)	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233000	7.707			
540-36-3	1,4-Difluorobenzene	452000	8.615			
3114-55-4	Chlorobenzene-d5	394000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	5.9 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
VY022158.D	1		05/05/25 14:45	VY050525

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\VY050525\
 Data File : VY022158.D
 Acq On : 05 May 2025 14:45
 Operator : SY/MD
 Sample : Q1938-08
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-D

Quant Time: May 06 05:21:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	233116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	451914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	393585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137265	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	115763	53.762	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.520%
35) Dibromofluoromethane	7.634	113	150602	50.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.880%
50) Toluene-d8	10.109	98	548601	48.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.407	95	144387	38.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.220%

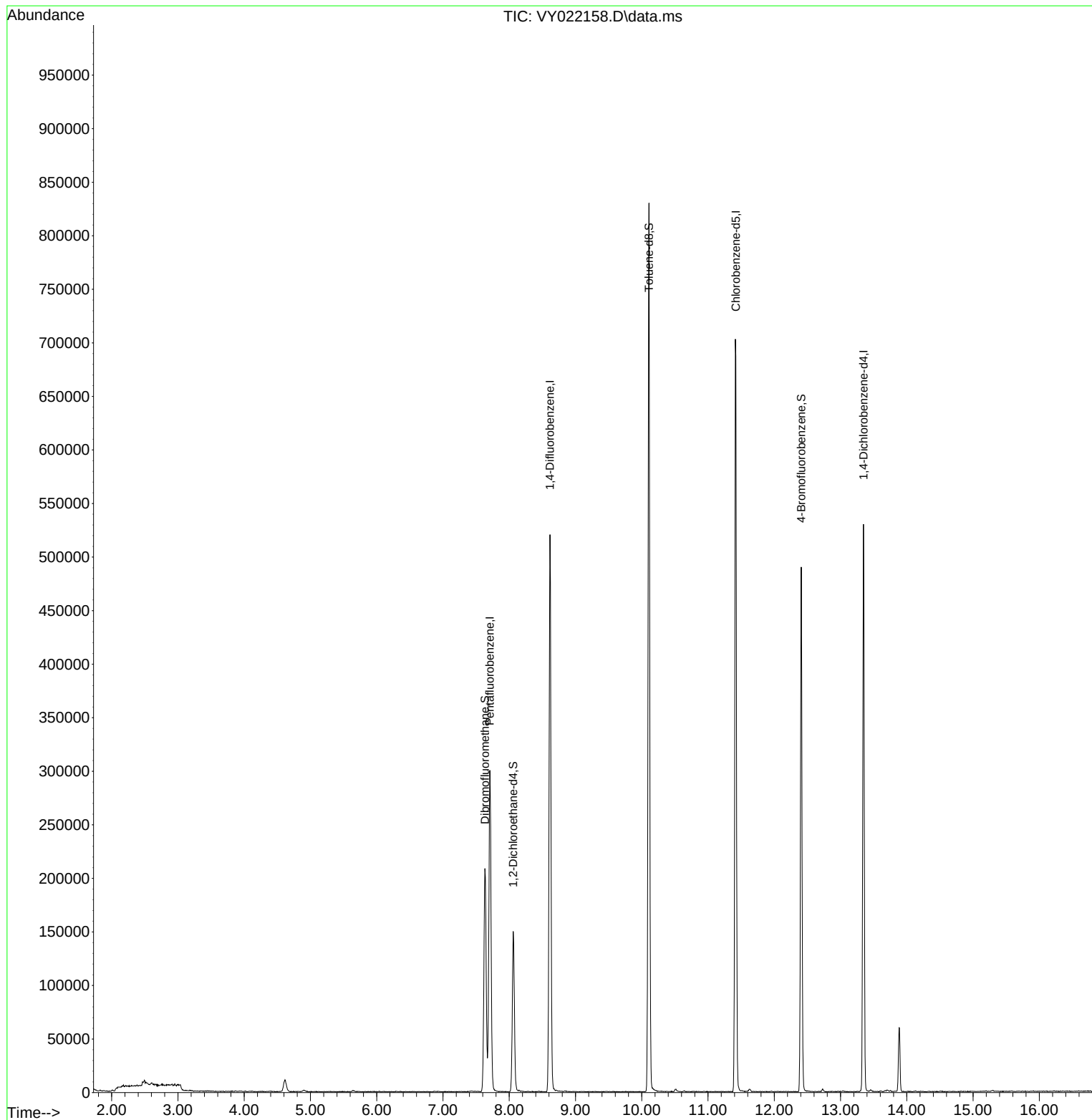
Target Compounds	Qvalue

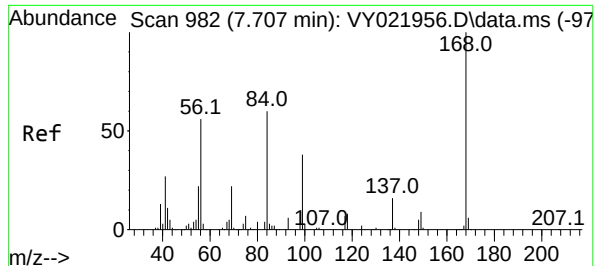
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022158.D
Acq On : 05 May 2025 14:45
Operator : SY/MD
Sample : Q1938-08
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

Quant Time: May 06 05:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

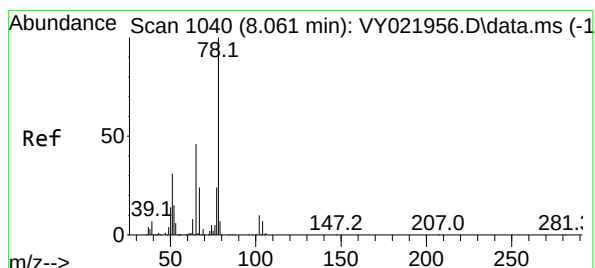
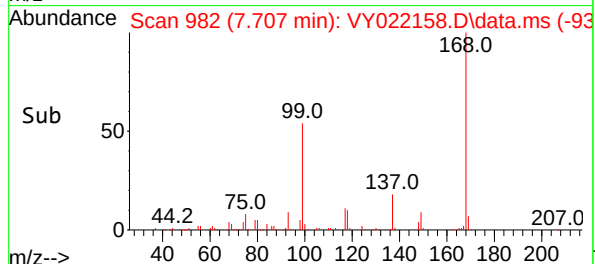
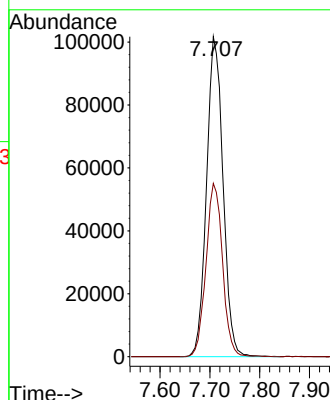
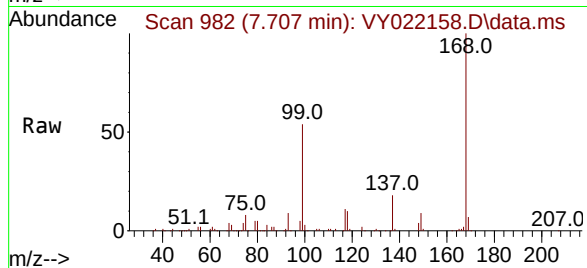




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022158.D
Acq: 05 May 2025 14:45

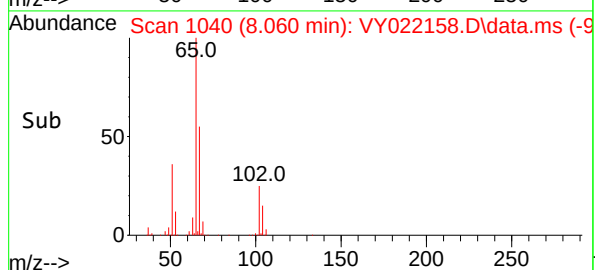
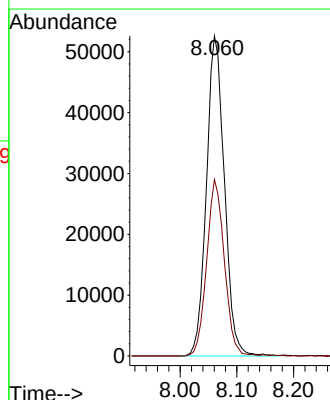
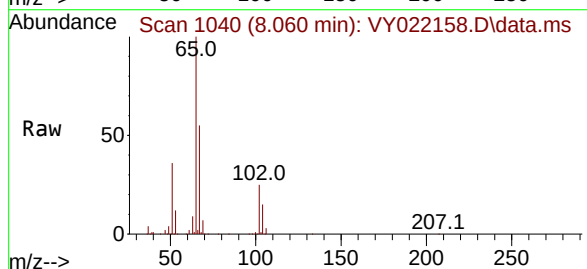
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

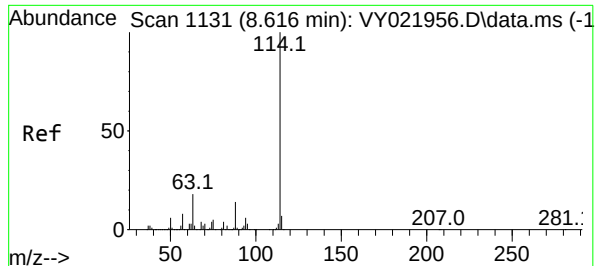
Tgt Ion:168 Resp: 233116
Ion Ratio Lower Upper
168 100
99 54.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.762 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022158.D
Acq: 05 May 2025 14:45

Tgt Ion: 65 Resp: 115763
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-D

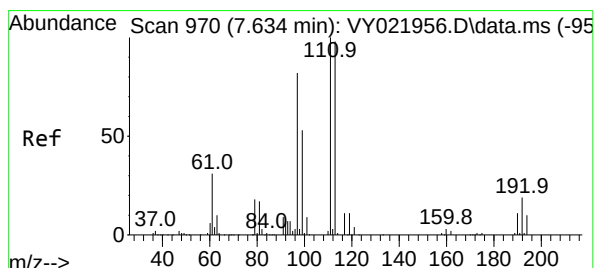
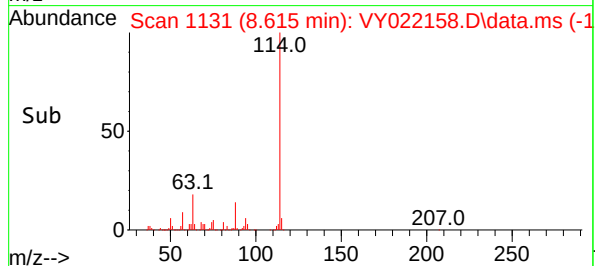
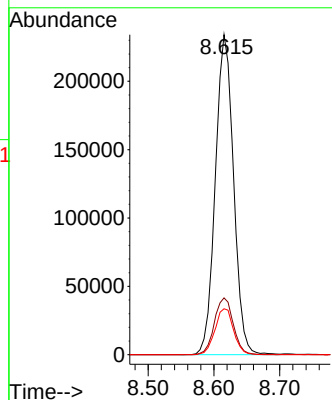
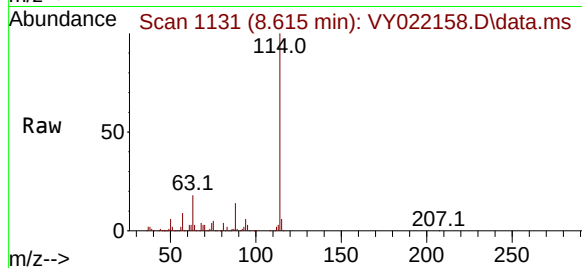
Tgt Ion:114 Resp: 451914

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.443 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

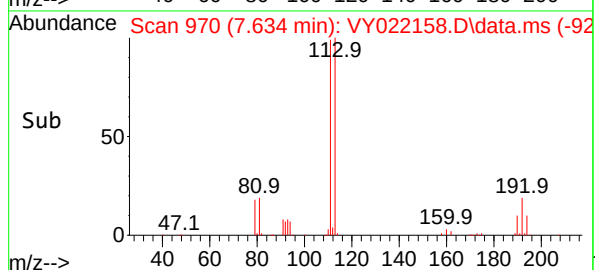
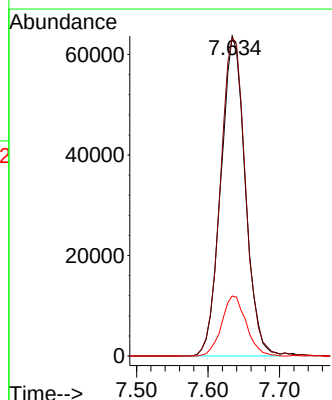
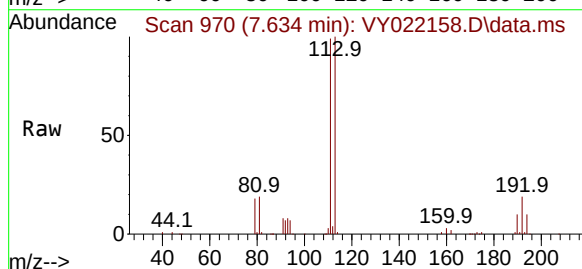
Tgt Ion:113 Resp: 150602

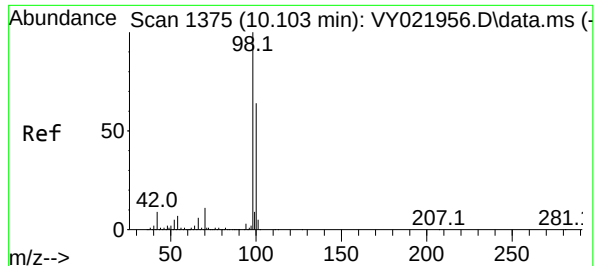
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 18.9 15.6 23.4





#50

Toluene-d8

Concen: 48.740 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

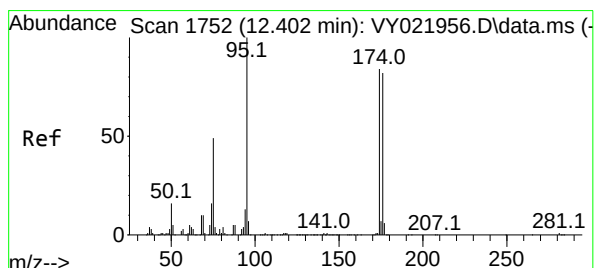
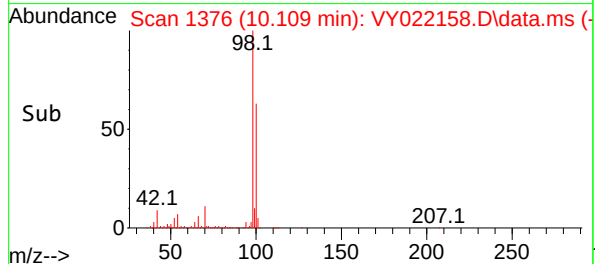
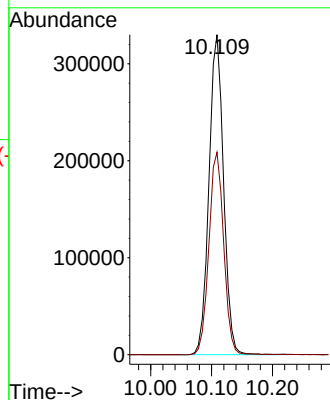
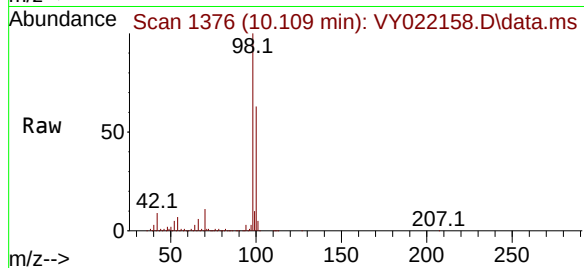
LOWER-WALL-PILE-D

Tgt Ion: 98 Resp: 548601

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 38.106 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

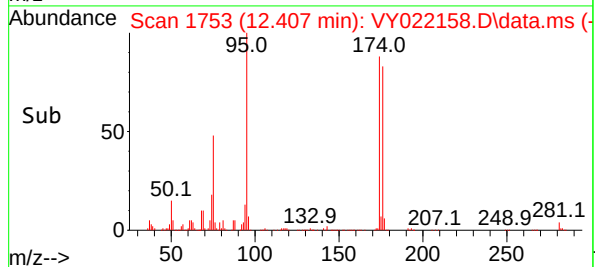
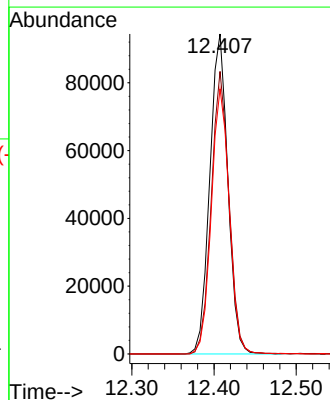
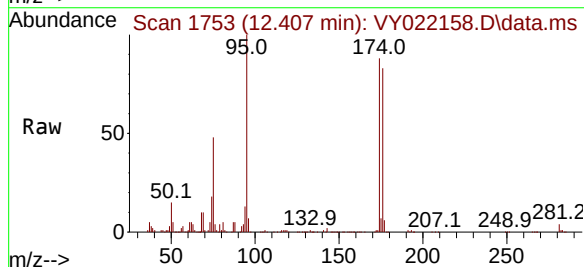
Tgt Ion: 95 Resp: 144387

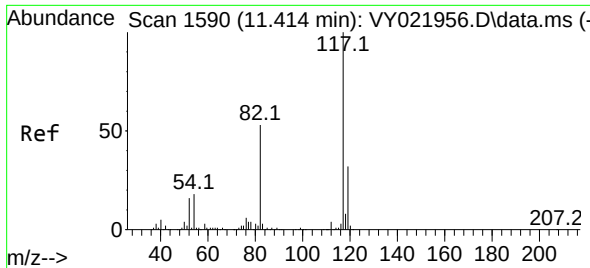
Ion Ratio Lower Upper

95 100

174 87.1 0.0 179.0

176 82.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-D

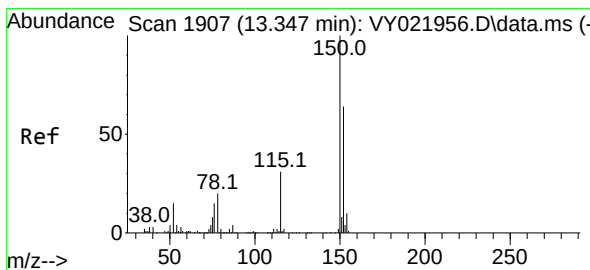
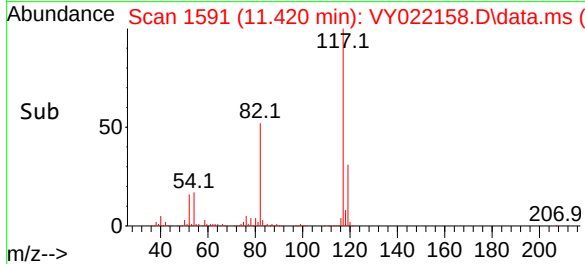
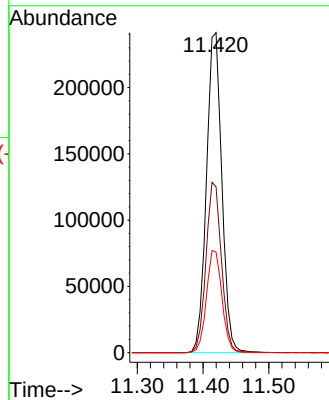
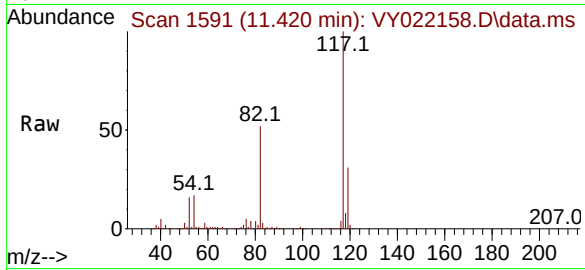
Tgt Ion:117 Resp: 393585

Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 31.4 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: VY022158.D

Acq: 05 May 2025 14:45

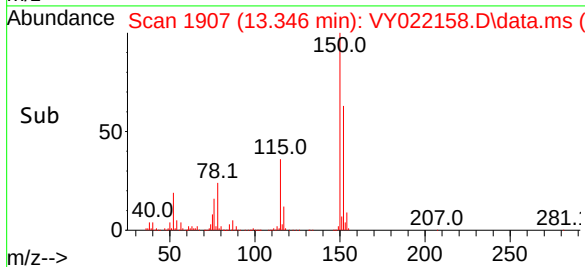
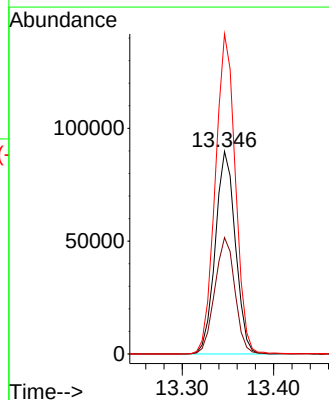
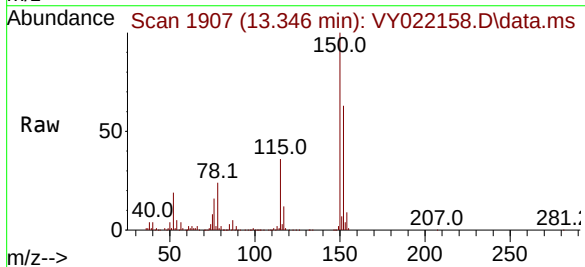
Tgt Ion:152 Resp: 137265

Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 157.9 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022158.D
Acq On : 05 May 2025 14:45
Operator : SY/MD
Sample : Q1938-08
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022158.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	488	rVB2	11135	34358	2.45%	0.504%
2	7.634	960	970	976	rBV	208295	496633	35.37%	7.287%
3	7.707	976	982	994	rVB	299098	688375	49.02%	10.101%
4	8.060	1029	1040	1053	rBV	149810	330233	23.52%	4.846%
5	8.615	1122	1131	1144	rBV	520240	1017642	72.47%	14.932%
6	10.109	1368	1376	1391	rBV	829543	1404205	100.00%	20.604%
7	11.414	1583	1590	1603	rBV	702853	1157173	82.41%	16.979%
8	12.407	1745	1753	1763	rBV	489777	774248	55.14%	11.361%
9	13.346	1896	1907	1916	rBV	529929	812043	57.83%	11.915%
10	13.883	1989	1995	2002	rVB2	59761	100293	7.14%	1.472%

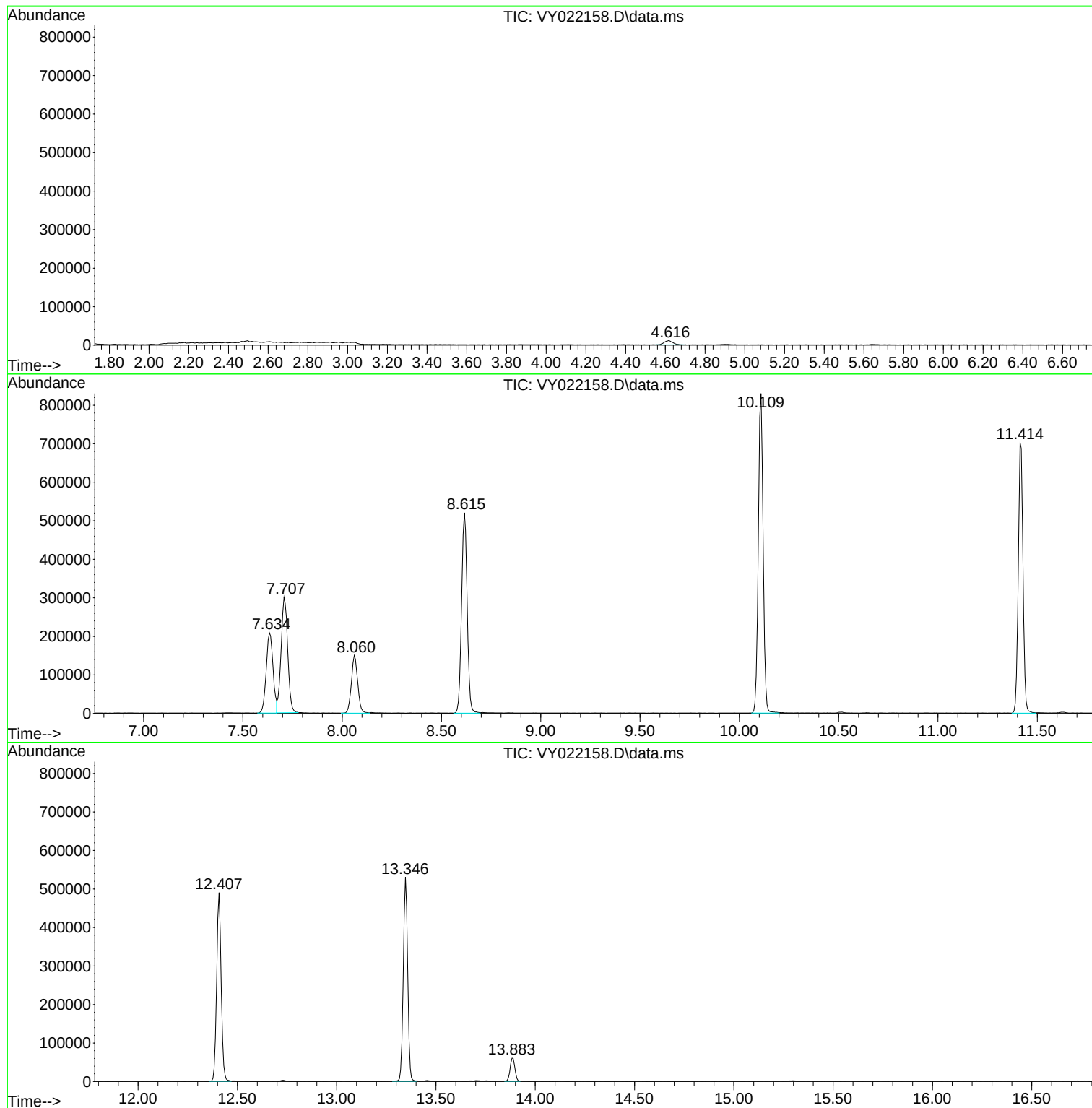
Sum of corrected areas: 6815203

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022158.D
Acq On : 05 May 2025 14:45
Operator : SY/MD
Sample : Q1938-08
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022158.D
Acq On : 05 May 2025 14:45
Operator : SY/MD
Sample : Q1938-08
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050525\
Data File : VY022158.D
Acq On : 05 May 2025 14:45
Operator : SY/MD
Sample : Q1938-08
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID:	RRF005 = VY021953.D			RRF010 = VY021954.D		RRF020 = VY021955.D		
	RRF050 = VY021956.D			RRF100 = VY021957.D		RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SAXT01
 Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021953.D			RRF010 = VY021954.D		RRF020 = VY021955.D		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7					
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3					
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8					
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5					
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2					
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3					
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6					
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5					
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1					
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3					
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3					
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2					
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5					
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2					
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4					
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5					
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7					
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8					
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9					
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1					
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2					
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3					
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3					
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2					
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8					

* 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 : 82Y042225S.M
 Title : SW846 8260
 Last Update : Wed Apr 23 02:30:30 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

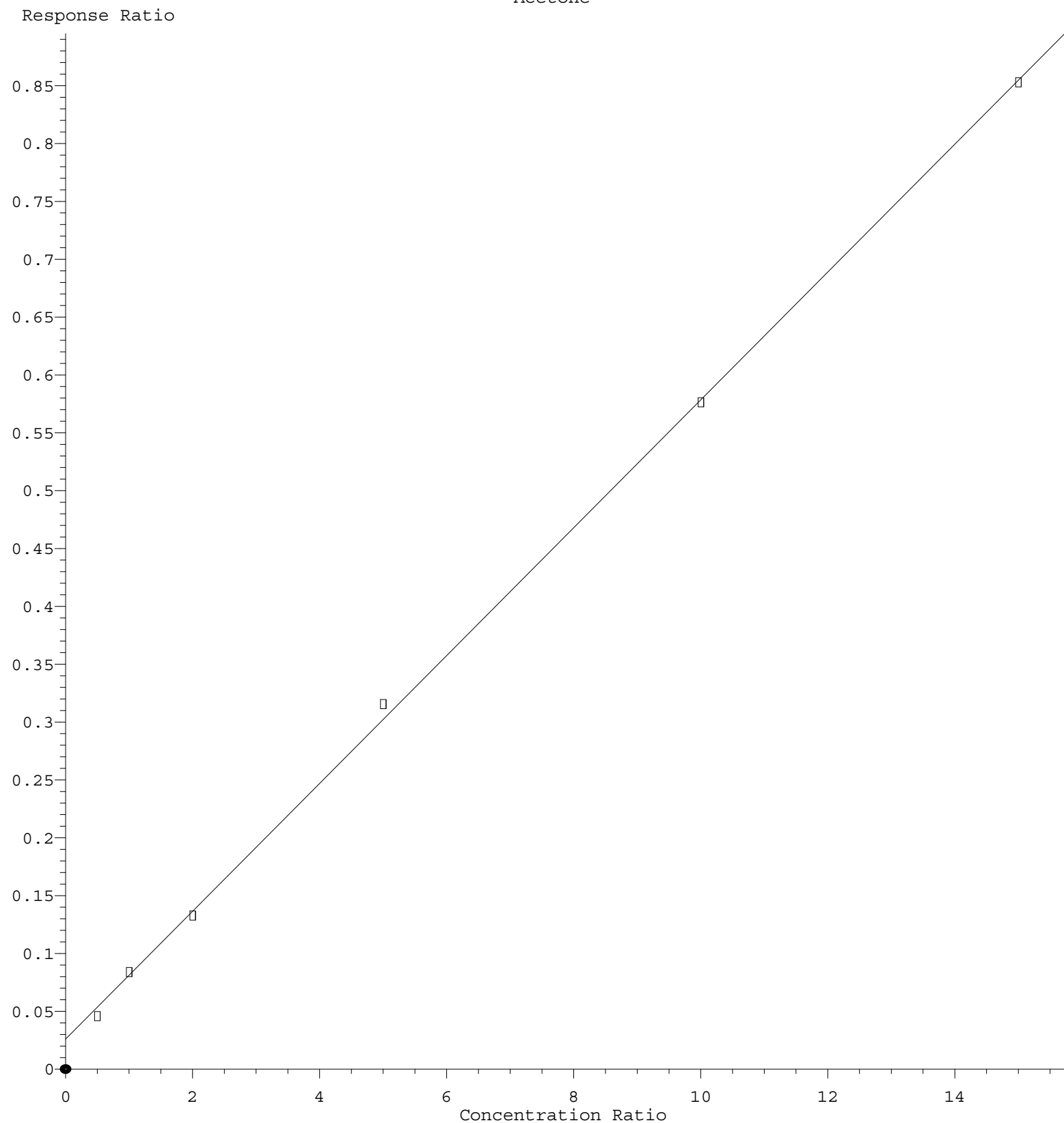
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3) P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4) C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5) T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6) T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7) T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8) T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9) T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10) T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11) T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12) CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13) T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14) T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15) T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16) T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17) T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18) T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19) T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20) T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21) T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22) T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23) T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24) P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25) T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26) T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27) T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28) T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29) T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30) C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31) T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32) T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33) S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36) T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37) T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38) T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39) T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40) TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41) T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42) TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43) T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44) TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45) C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46) T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47) T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48) T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50) S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51) T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52) CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53) T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54) T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55) T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56) T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range

Acetone



Response = 5.529e-002 * Amt + 2.582e-002
Coef of Det (r^2) = 0.999482 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.360%#		
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.140%#		
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345	ug/l	
42) 1,2-Dichloroethane	8.158	62	16046	5.046	ug/l	96
43) Isopropyl Acetate	8.195	43	13940	4.919	ug/l #	86
44) Trichloroethene	8.865	130	18611	5.231	ug/l	96
45) 1,2-Dichloropropane	9.146	63	14827	5.220	ug/l	99
46) Dibromomethane	9.231	93	9367	5.268	ug/l	96
47) Bromodichloromethane	9.420	83	22170	4.991	ug/l #	96
48) Methyl methacrylate	9.225	41	5570	4.252	ug/l	94
49) 1,4-Dioxane	9.231	88	1703	89.863	ug/l #	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414	ug/l	98
52) Toluene	10.170	92	38784	4.665	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649	ug/l #	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765	ug/l	92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877	ug/l	94
56) Ethyl methacrylate	10.444	69	10816	3.982	ug/l	96
57) 1,3-Dichloropropane	10.719	76	19113	5.020	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606	ug/l	100
59) 2-Hexanone	10.761	43	21558	22.001	ug/l	92
60) Dibromochloromethane	10.914	129	15992	4.863	ug/l	97
61) 1,2-Dibromoethane	11.017	107	11020	4.915	ug/l	98
64) Tetrachloroethene	10.646	164	20545	5.302	ug/l	91
65) Chlorobenzene	11.444	112	48805	5.314	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097	ug/l	98
67) Ethyl Benzene	11.517	91	69548	4.629	ug/l	97
68) m/p-Xylenes	11.627	106	54518	9.119	ug/l	100
69) o-Xylene	11.956	106	24611	4.466	ug/l	98
70) Styrene	11.969	104	39016	4.217	ug/l	97
71) Bromoform	12.133	173	9608	5.111	ug/l #	98
73) Isopropylbenzene	12.255	105	62917	4.582	ug/l	97
74) N-amyl acetate	12.072	43	10843	4.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648	ug/l	
77) Bromobenzene	12.535	156	17570	5.064	ug/l	100
78) n-propylbenzene	12.596	91	76210	4.660	ug/l	100
79) 2-Chlorotoluene	12.682	91	46298	4.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191	ug/l	98
82) 4-Chlorotoluene	12.779	91	47541	4.809	ug/l	98
83) tert-Butylbenzene	12.999	119	46171	4.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387	ug/l	99
85) sec-Butylbenzene	13.176	105	66872	4.504	ug/l	99
86) p-Isopropyltoluene	13.291	119	55850	4.430	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362	ug/l	95
89) n-Butylbenzene	13.621	91	50918	4.518	ug/l	99
90) Hexachloroethane	13.883	117	14703	5.308	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406	ug/l	94
94) Hexachlorobutadiene	15.023	225	10723	5.004	ug/l	98
95) Naphthalene	15.145	128	24368	4.212	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

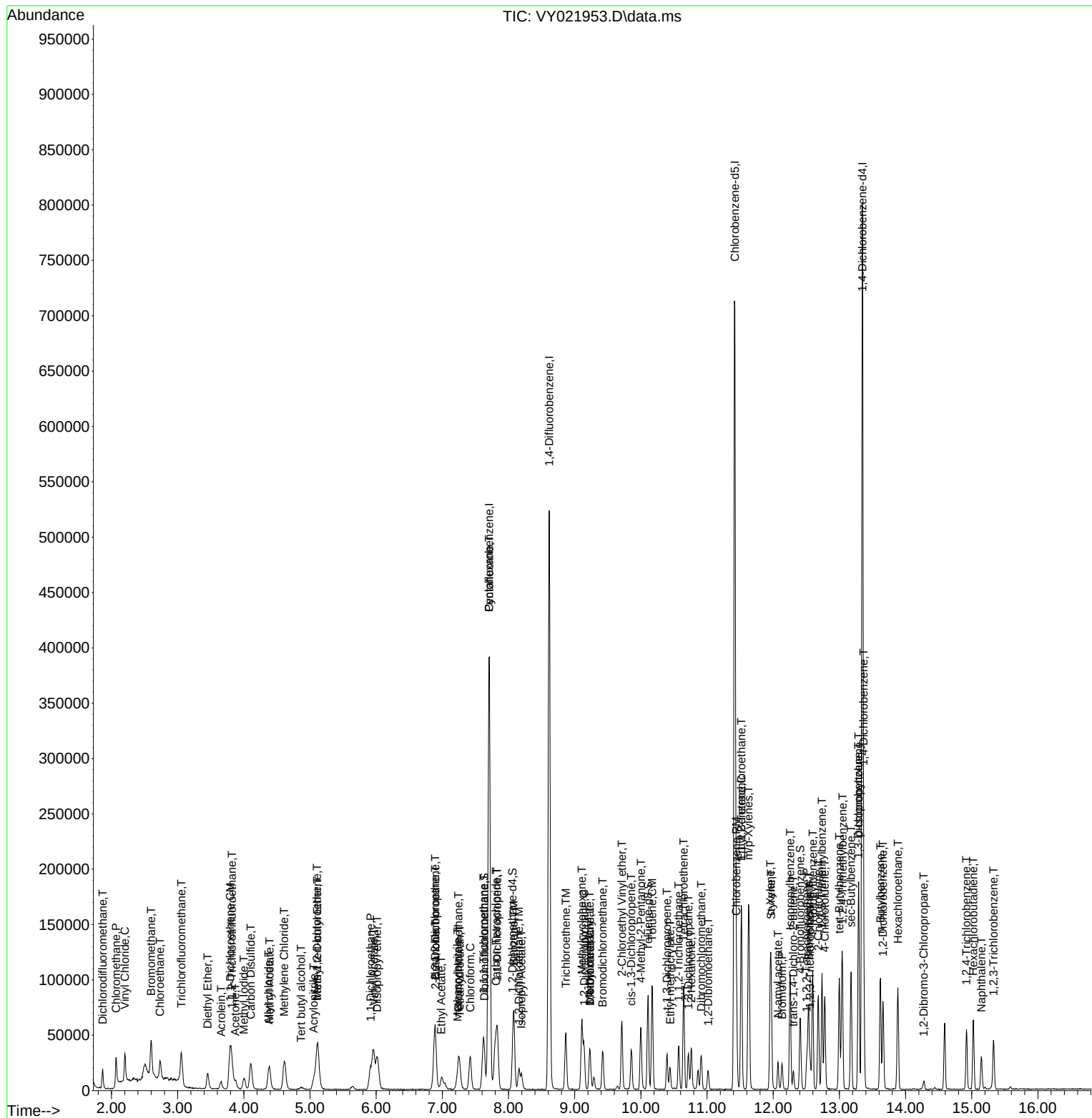
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Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

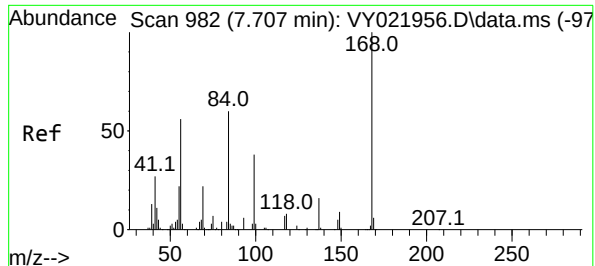
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

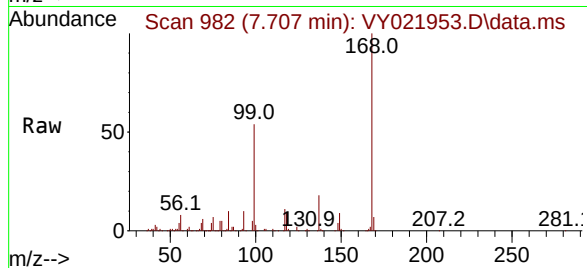
Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

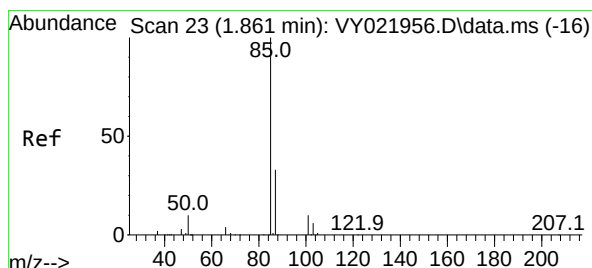
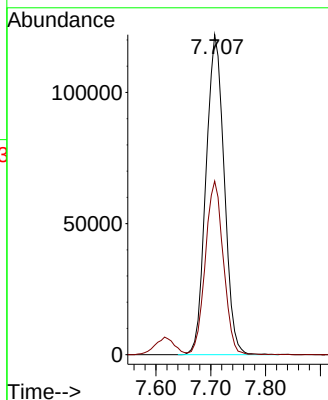
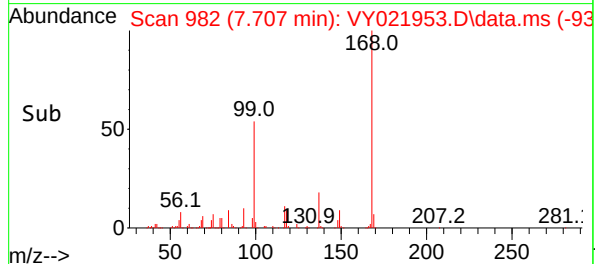
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 28061
Ion Ratio Lower Upper
168 100
99 54.2 43.1 64.7

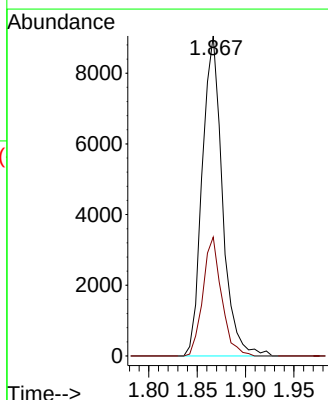
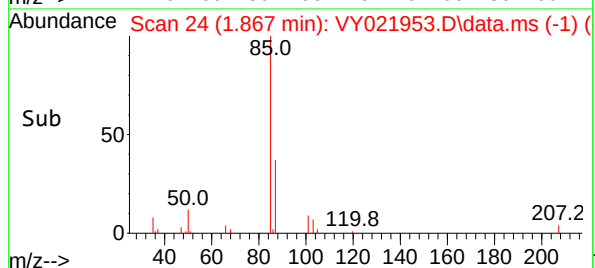
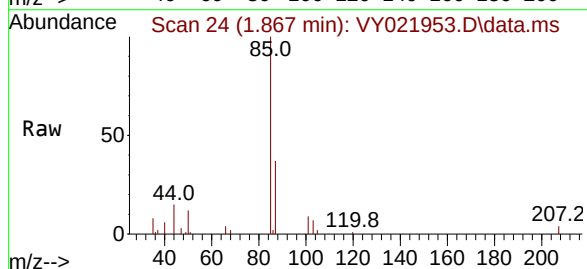
Manual Integrations
APPROVED

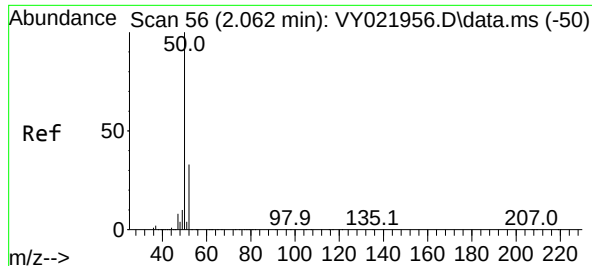
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 5.503 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 85 Resp: 13157
Ion Ratio Lower Upper
85 100
87 37.1 16.6 49.7





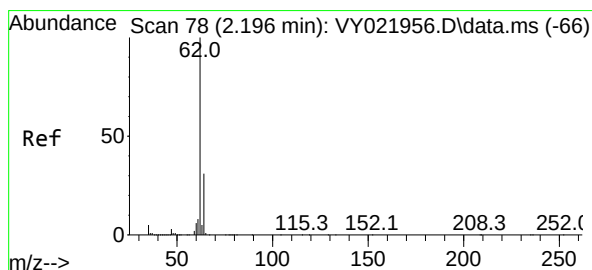
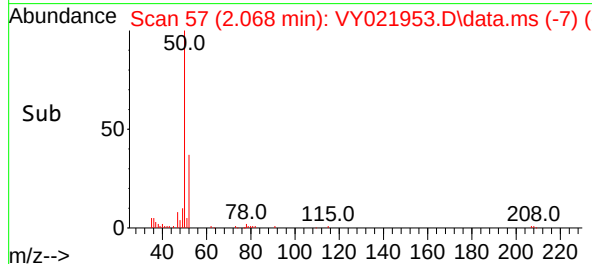
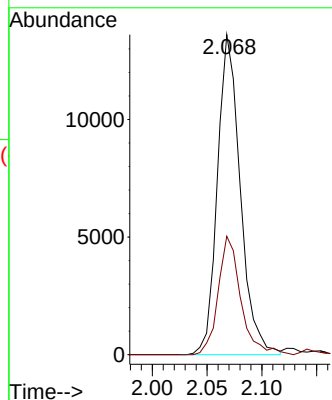
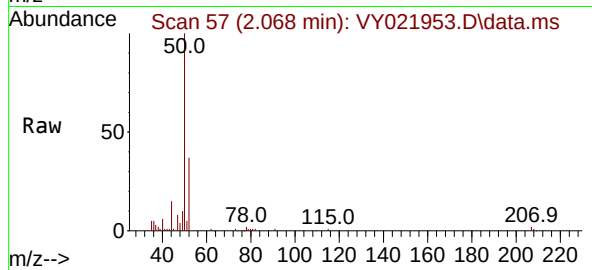
#3
Chloromethane
Concen: 5.803 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1975
Ion Ratio Lower Upper
50 100
52 37.0 26.1 39.1

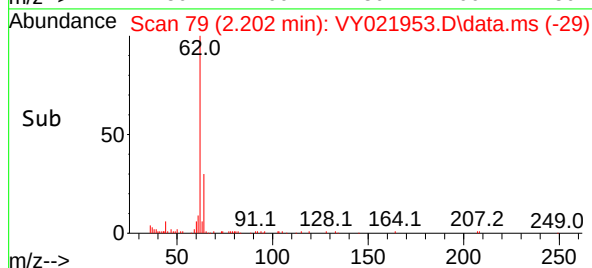
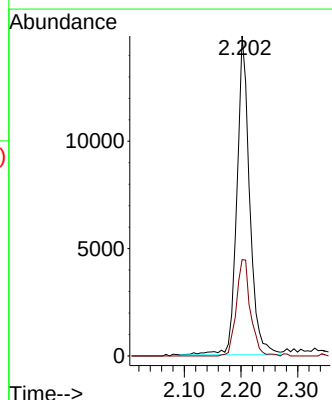
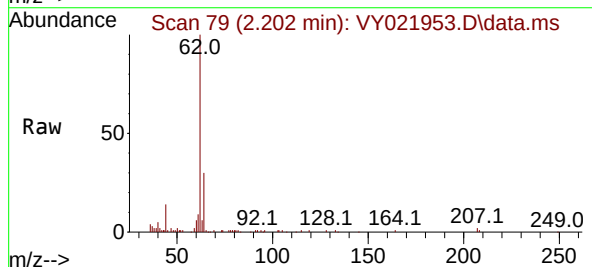
Manual Integrations
APPROVED

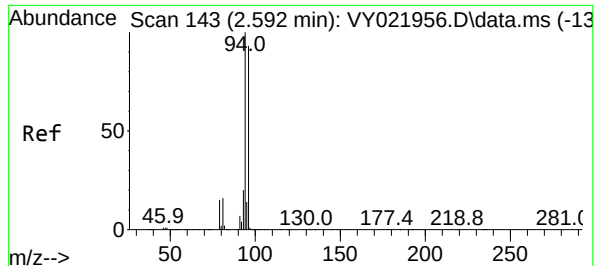
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 5.560 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

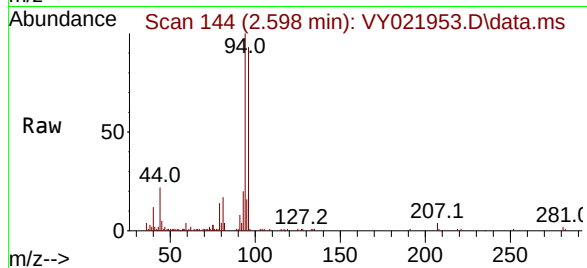
Tgt Ion: 62 Resp: 23262
Ion Ratio Lower Upper
62 100
64 30.2 25.1 37.7





#5
Bromomethane
Concen: 6.091 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

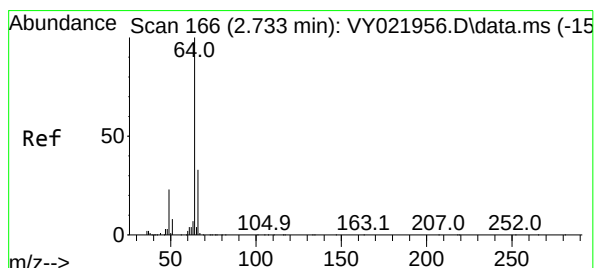
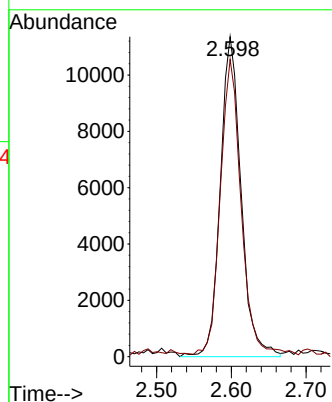
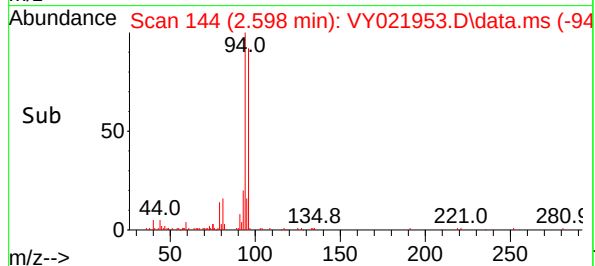
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 21950
Ion Ratio Lower Upper
94 100
96 91.9 74.6 111.8

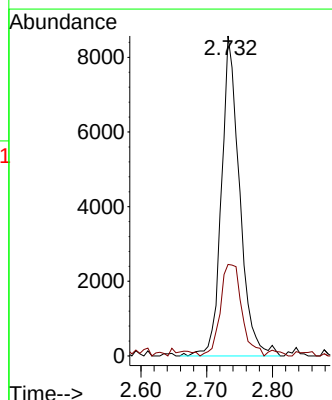
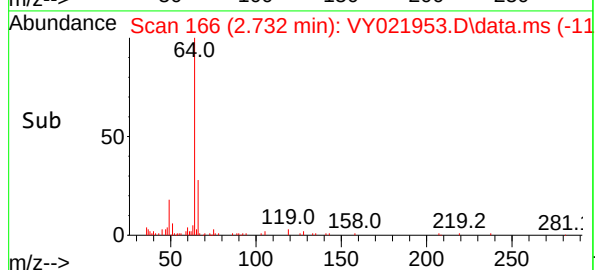
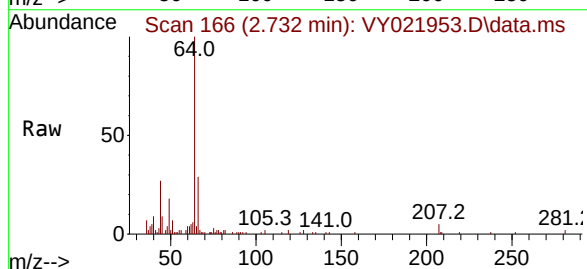
Manual Integrations
APPROVED

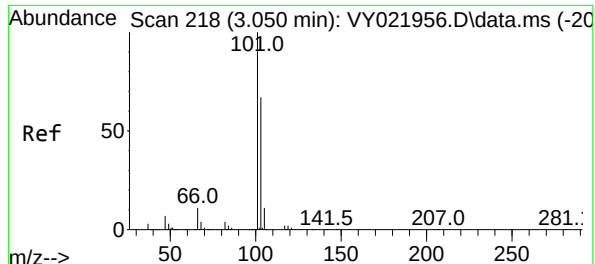
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 5.800 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

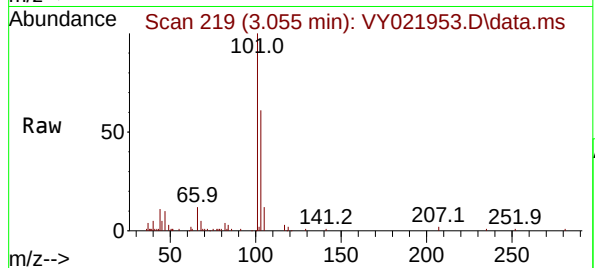
Tgt Ion: 64 Resp: 16527
Ion Ratio Lower Upper
64 100
66 27.3 26.2 39.4





#7
Trichlorofluoromethane
Concen: 5.329 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

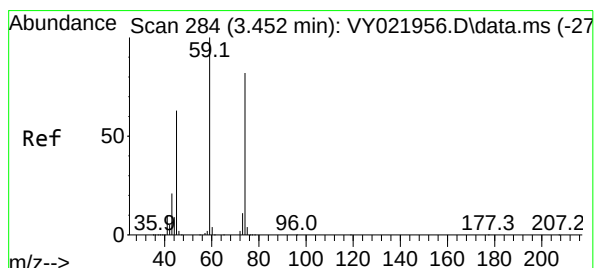
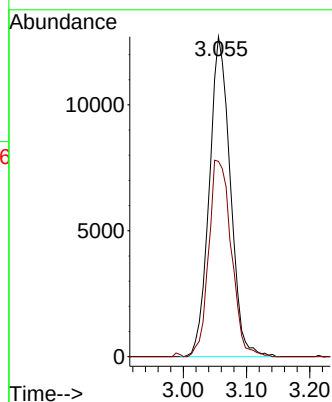
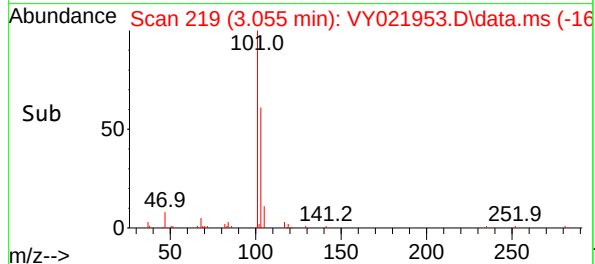
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:101 Resp: 29398
Ion Ratio Lower Upper
101 100
103 61.1 53.6 80.4

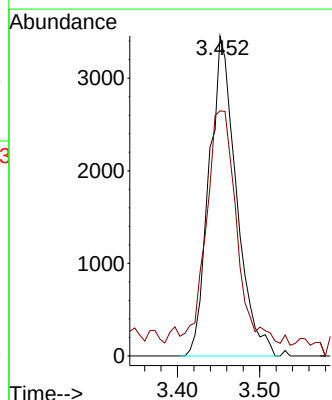
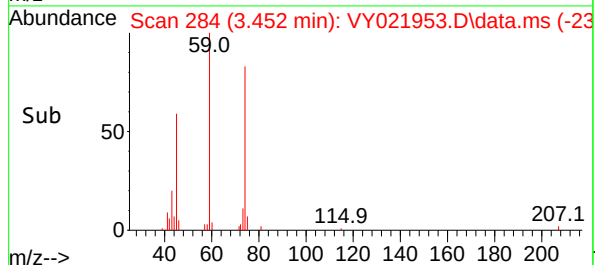
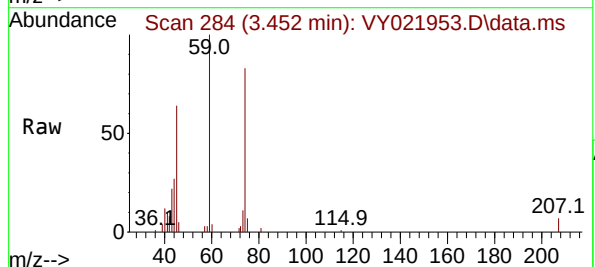
Manual Integrations
APPROVED

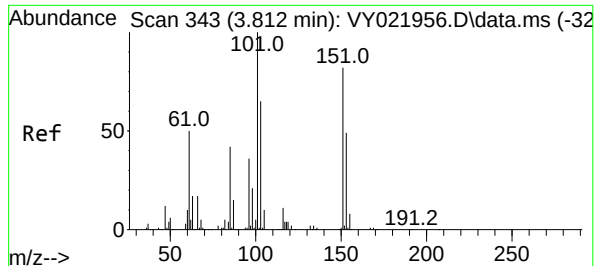
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 5.536 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 74 Resp: 7949
Ion Ratio Lower Upper
74 100
45 83.9 39.1 117.5





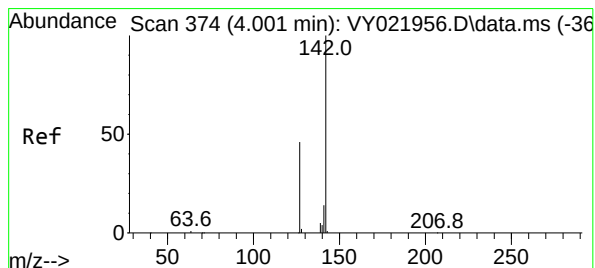
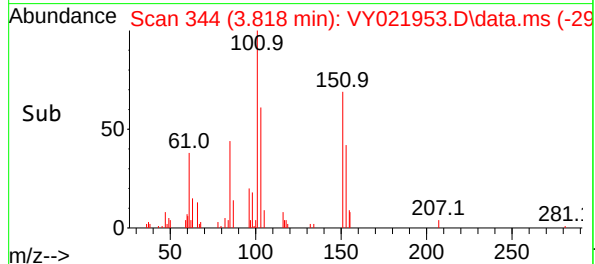
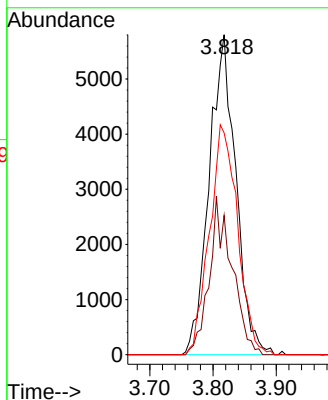
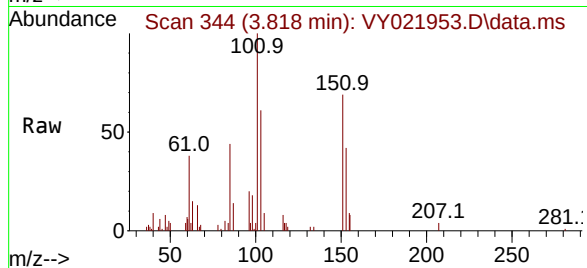
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.667 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1695
Ion Ratio Lower Upper
101 100
85 42.3 34.6 51.8
151 75.9 63.7 95.5

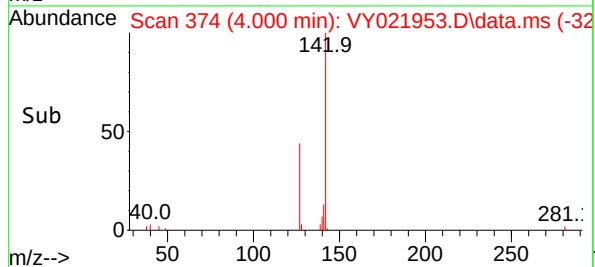
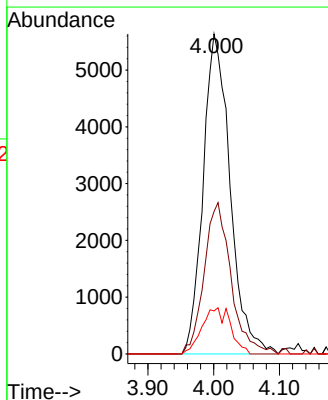
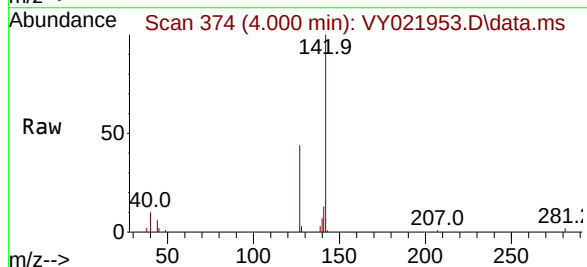
Manual Integrations
APPROVED

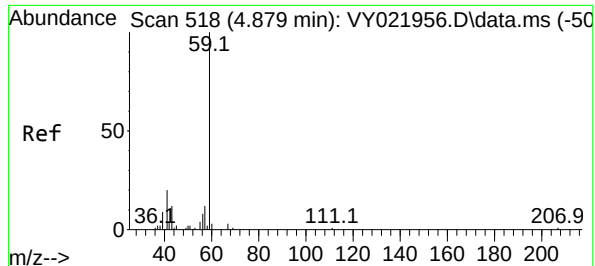
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 4.638 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

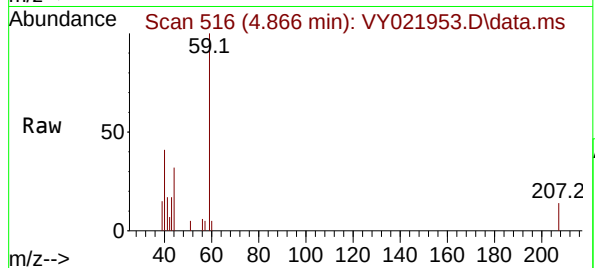
Tgt Ion:142 Resp: 16072
Ion Ratio Lower Upper
142 100
127 47.1 36.2 54.2
141 15.3 11.7 17.5





#11
Tert butyl alcohol
Concen: 26.192 ug/l m
RT: 4.866 min Scan# 518
Delta R.T. -0.012 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

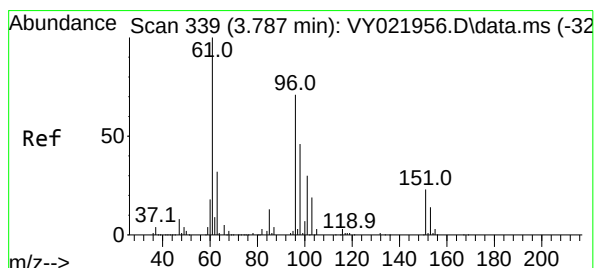
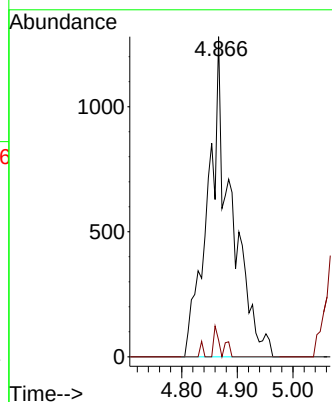
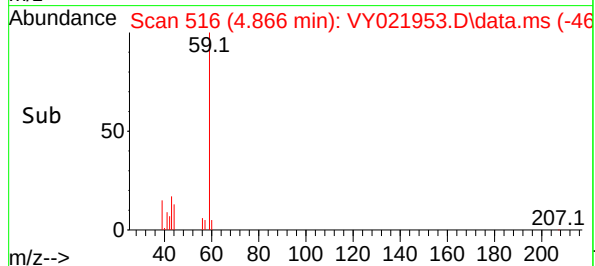
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 59 Resp: 372
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9

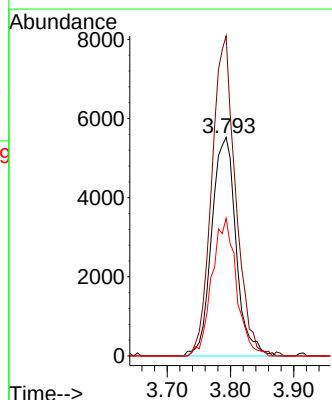
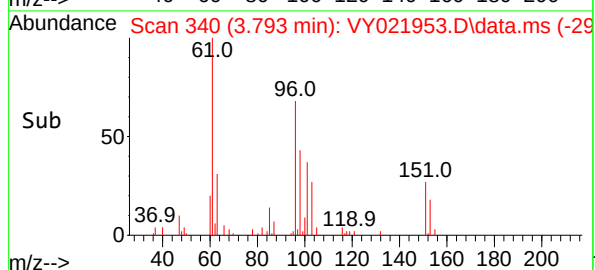
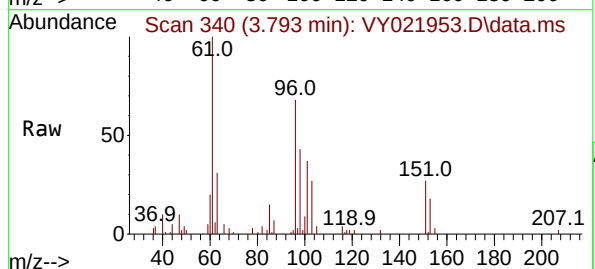
Manual Integrations
APPROVED

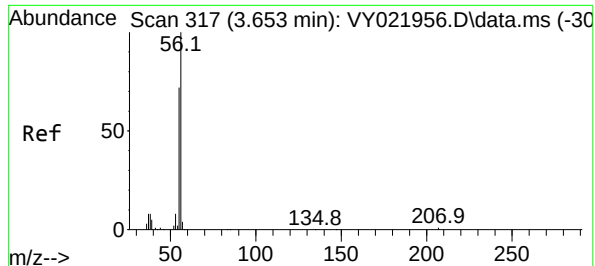
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#12
1,1-Dichloroethene
Concen: 5.285 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 14742
Ion Ratio Lower Upper
96 100
61 146.4 113.0 169.4
98 63.0 51.4 77.2





#13

Acrolein

Concen: 29.049 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY021953.D

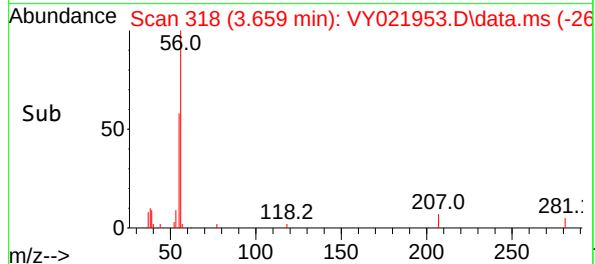
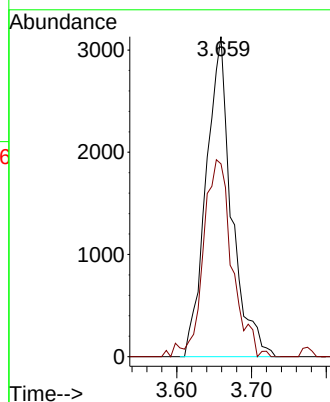
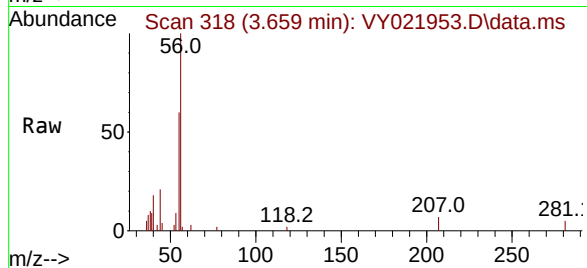
Acq: 22 Apr 2025 13:39

Tgt Ion: 56 Resp: 7419

Ion Ratio Lower Upper

56 100

55 69.4 57.4 86.0



Instrument :

MSVOA_Y

ClientSampleId :

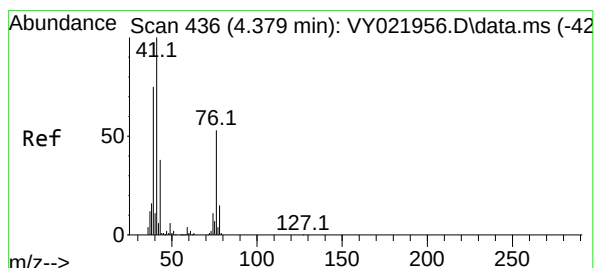
VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 5.352 ug/l

RT: 4.372 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

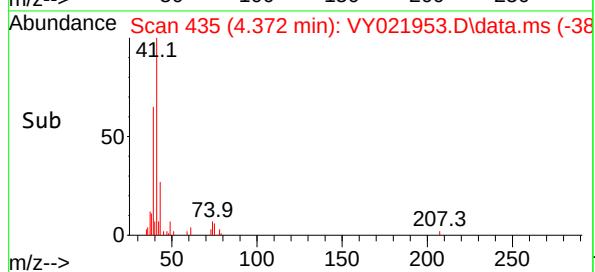
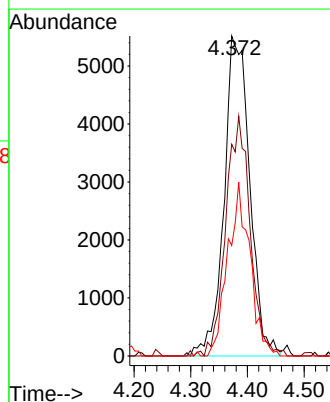
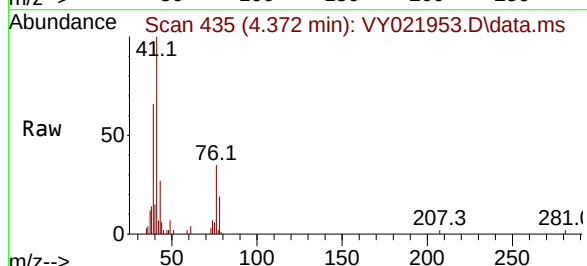
Tgt Ion: 41 Resp: 17385

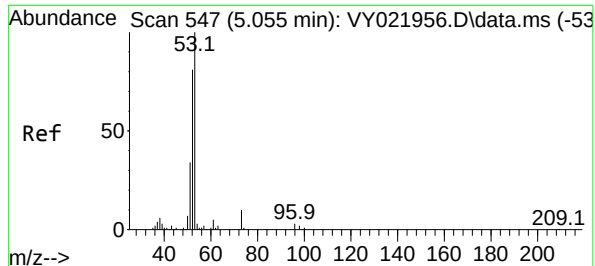
Ion Ratio Lower Upper

41 100

39 71.1 57.2 85.8

76 46.9 39.7 59.5





#15

Acrylonitrile

Concen: 27.514 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

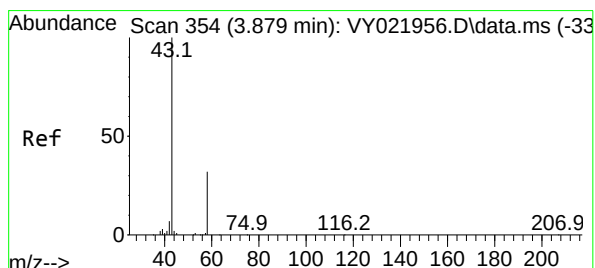
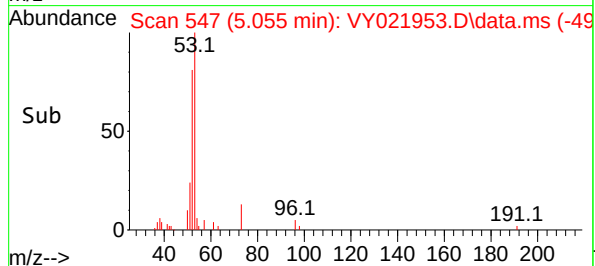
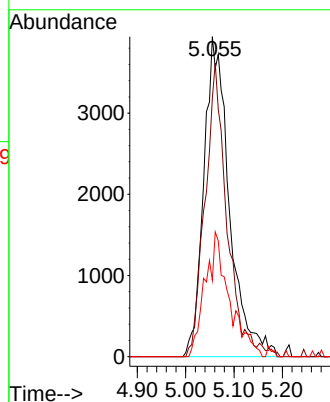
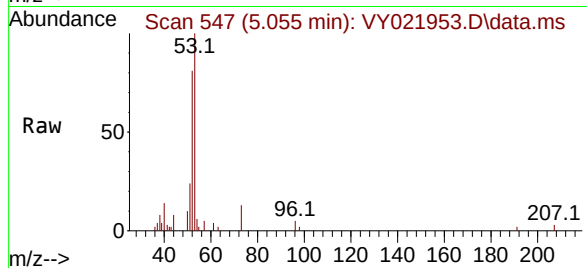
VSTDICC005

Tgt Ion: 53	Resp: 1446
Ion Ratio	Lower Upper
53 100	
52 77.8	65.0 97.6
51 36.6	28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 18.039 ug/l

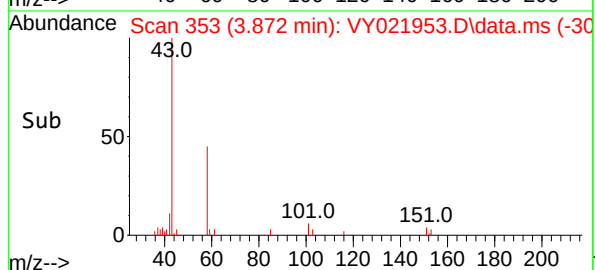
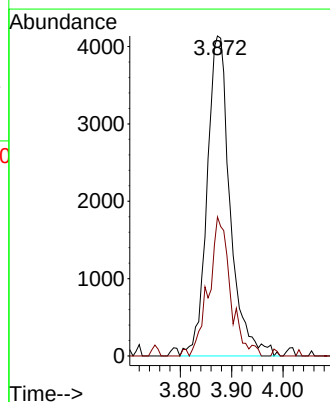
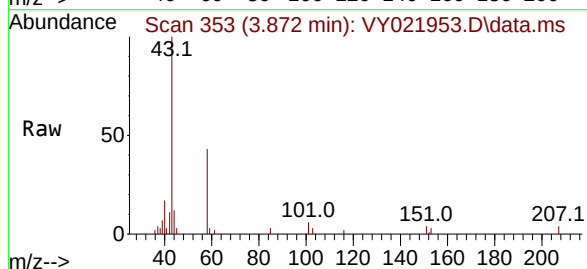
RT: 3.872 min Scan# 353

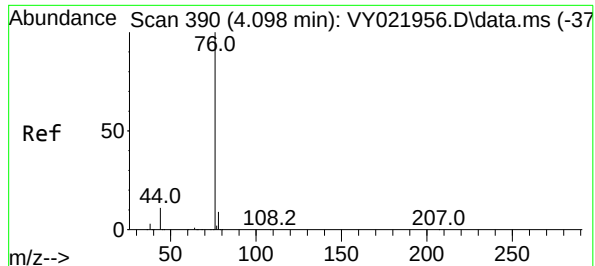
Delta R.T. -0.007 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

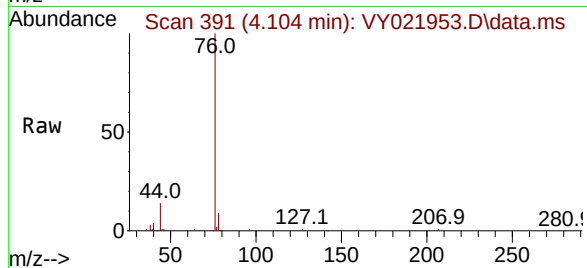
Tgt Ion: 43	Resp: 12844
Ion Ratio	Lower Upper
43 100	
58 43.5	27.0 40.4#





#17
Carbon Disulfide
Concen: 5.475 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

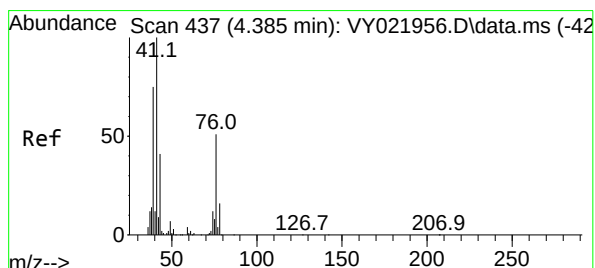
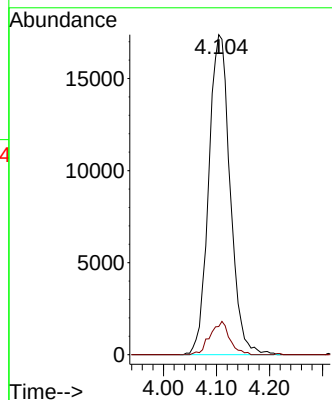
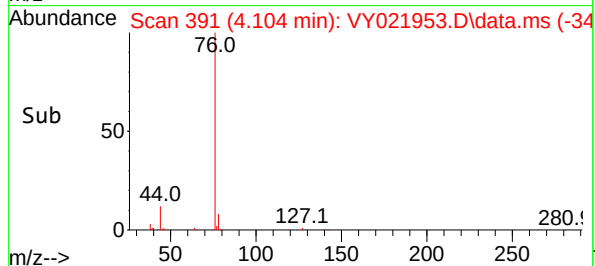
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 4870
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

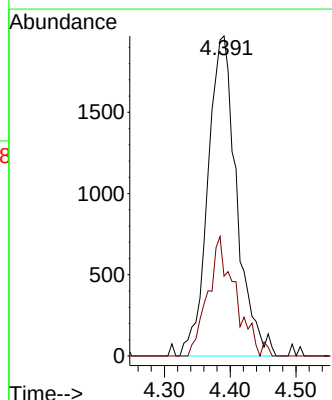
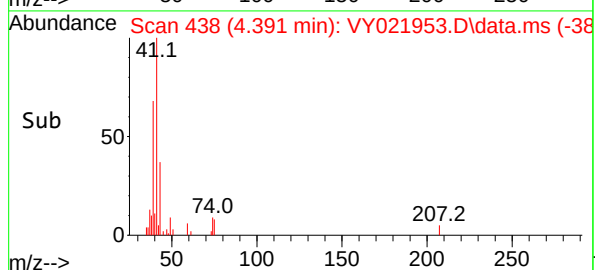
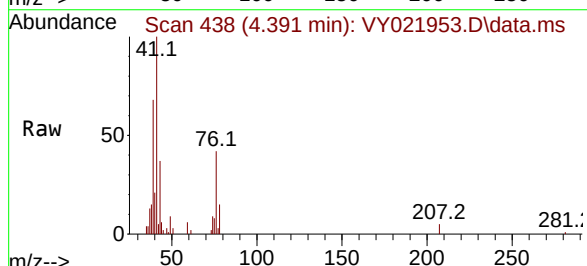
Manual Integrations
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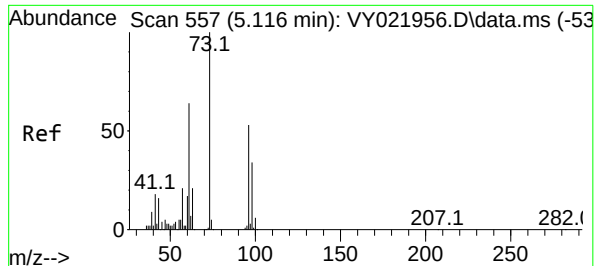
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 4.951 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 5994
Ion Ratio Lower Upper
43 100
74 34.8 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 4.936 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 30819

Ion Ratio Lower Upper

73 100

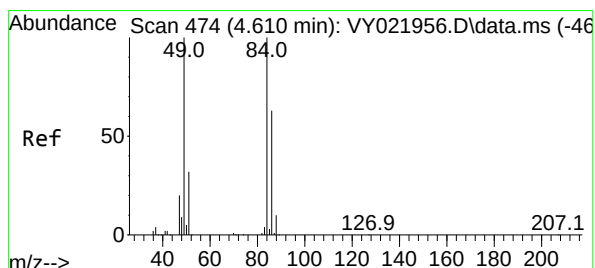
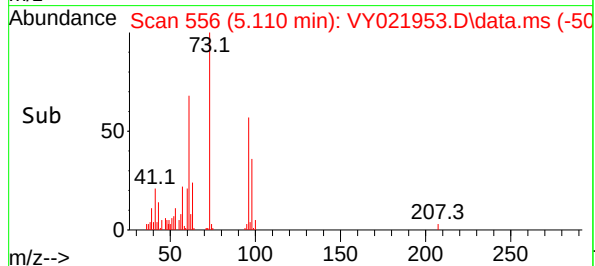
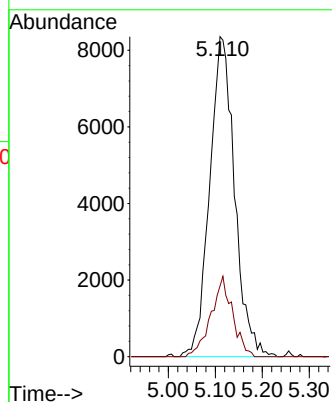
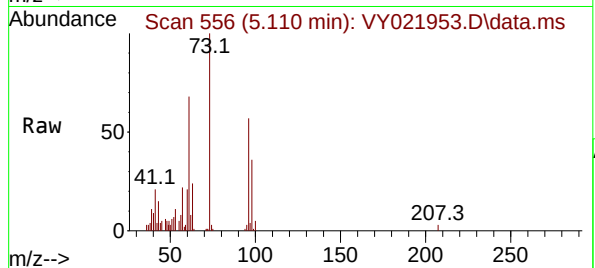
57 22.1 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 6.502 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion: 84 Resp: 21309

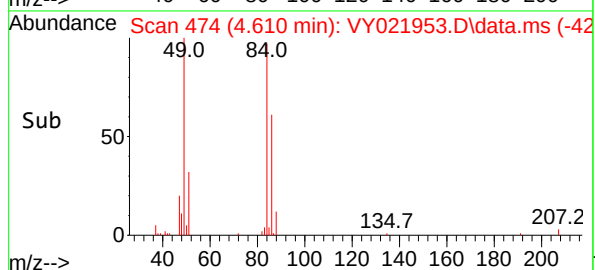
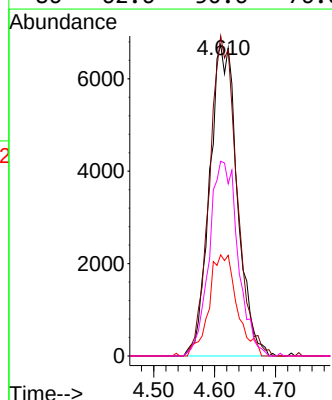
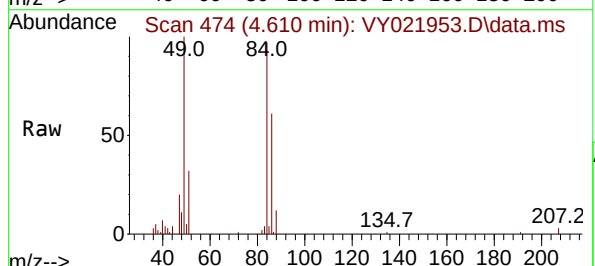
Ion Ratio Lower Upper

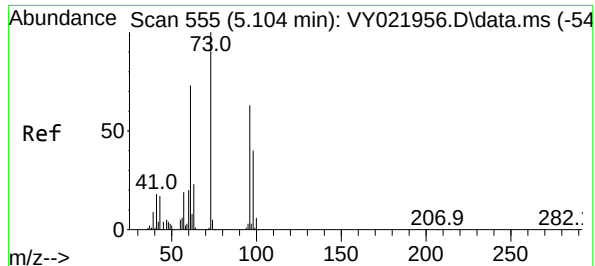
84 100

49 102.8 79.9 119.9

51 32.5 25.4 38.0

86 62.6 50.6 76.0





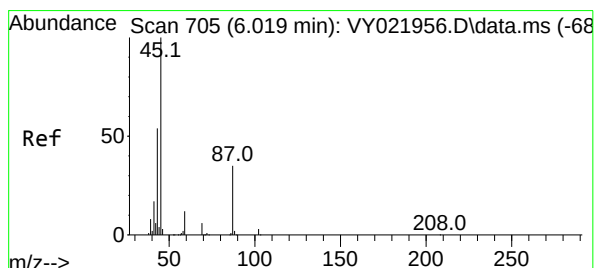
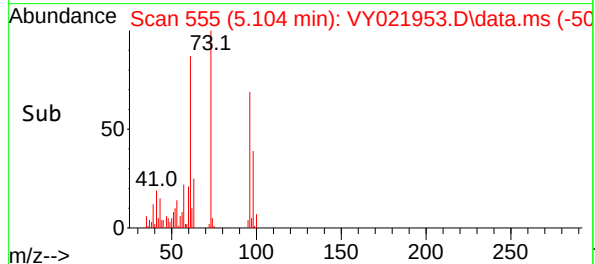
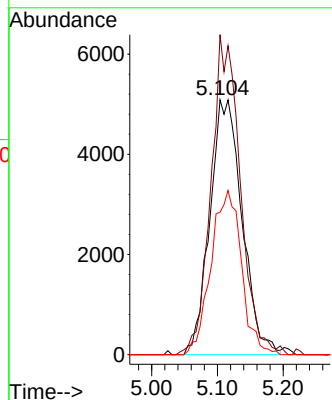
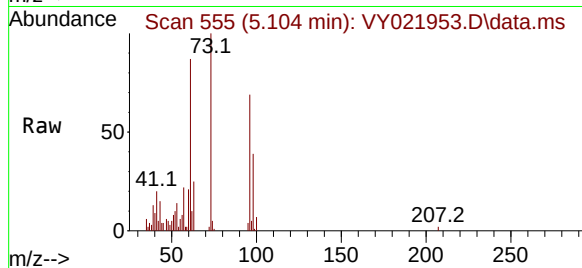
#21
trans-1,2-Dichloroethene
Concen: 5.556 ug/l
RT: 5.104 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 1735
Ion Ratio Lower Upper
96 100
61 124.5 92.6 138.8
98 55.8 50.2 75.4

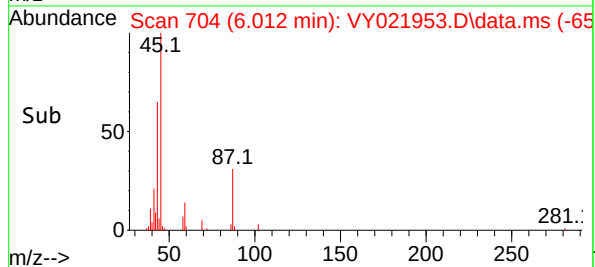
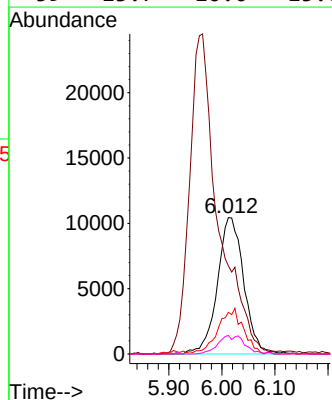
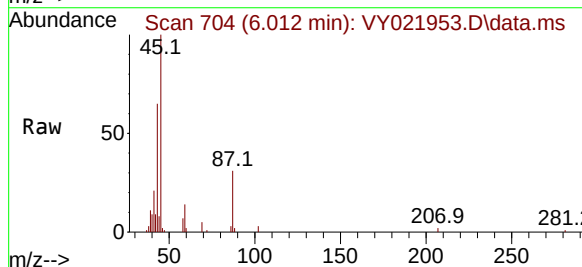
Manual Integrations
APPROVED

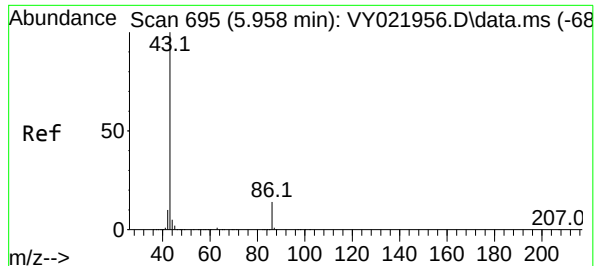
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 4.975 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 45 Resp: 35963
Ion Ratio Lower Upper
45 100
43 62.5 43.6 65.4
87 30.5 28.2 42.4
59 13.7 10.0 15.0





#23

Vinyl Acetate

Concen: 23.655 ug/l

RT: 5.963 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 9215

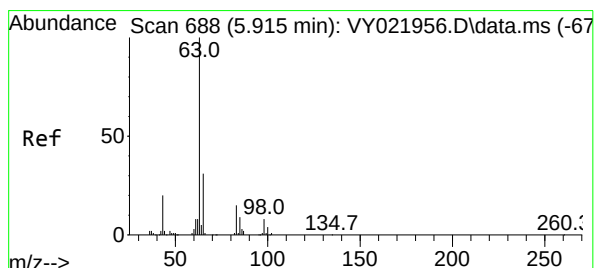
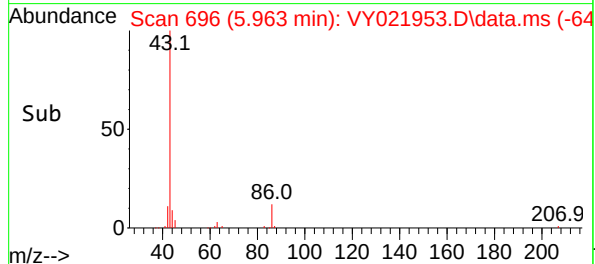
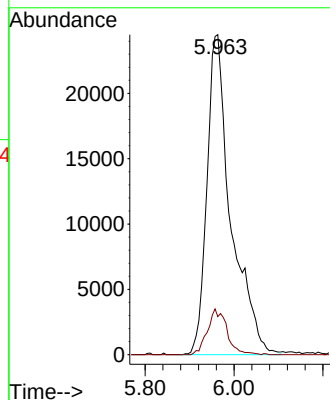
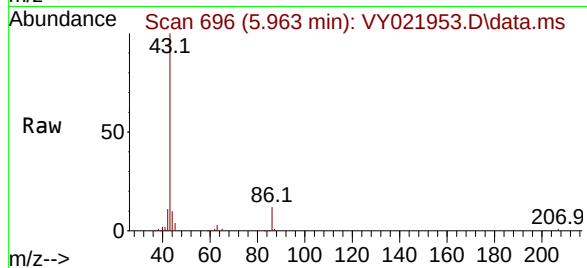
Ion Ratio Lower Upper

43 100

86 11.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

#24

1,1-Dichloroethane

Concen: 5.529 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

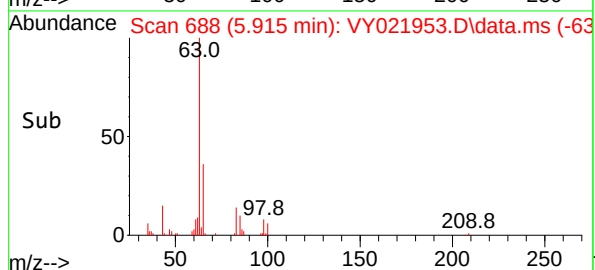
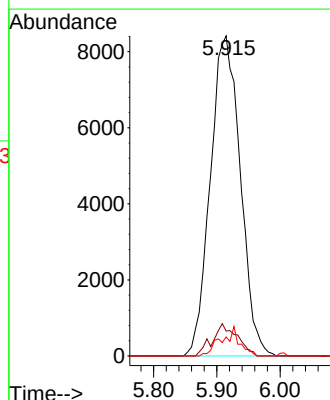
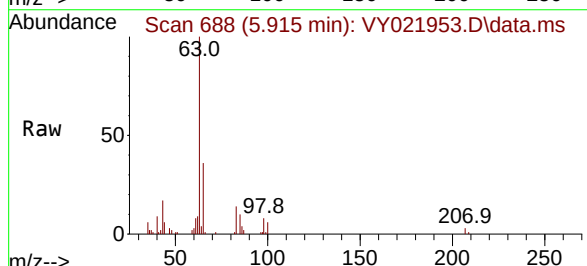
Tgt Ion: 63 Resp: 27705

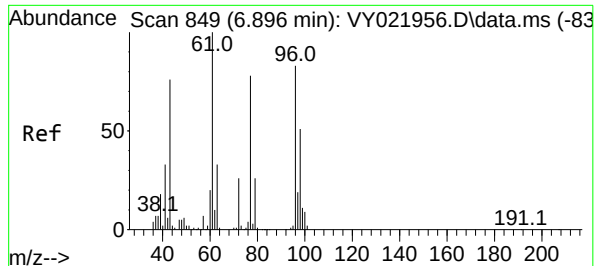
Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

100 5.9 2.0 6.0





#25

2-Butanone

Concen: 26.449 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

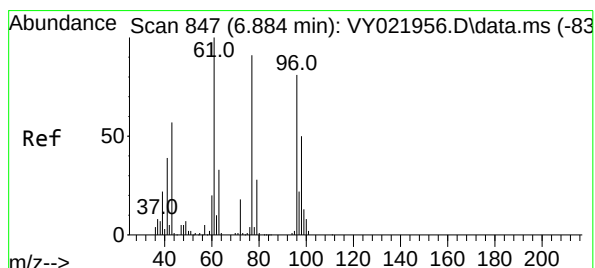
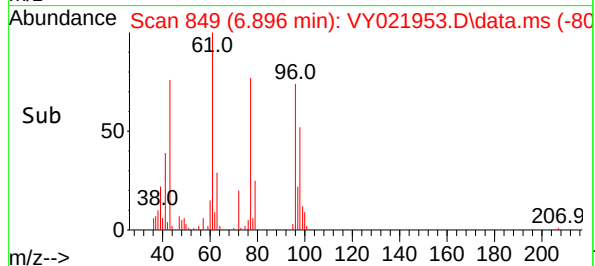
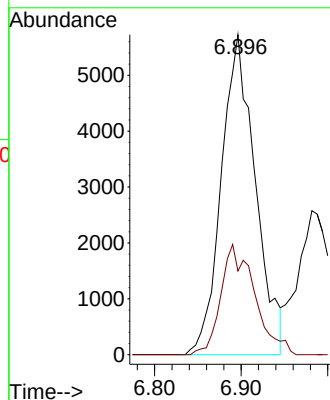
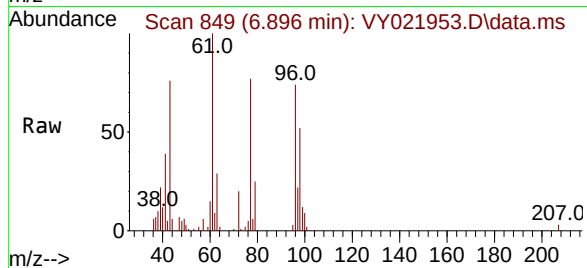
72 26.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 5.373 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021953.D

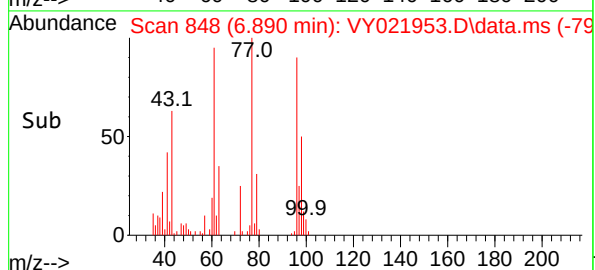
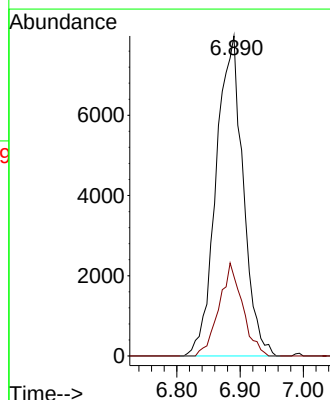
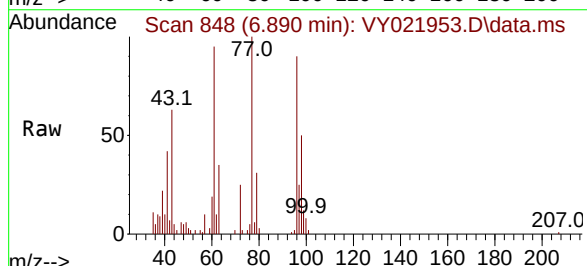
Acq: 22 Apr 2025 13:39

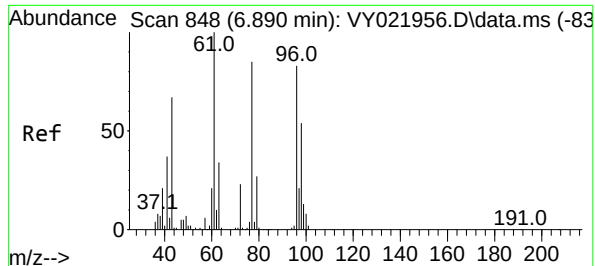
Tgt Ion: 77 Resp: 23594

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4





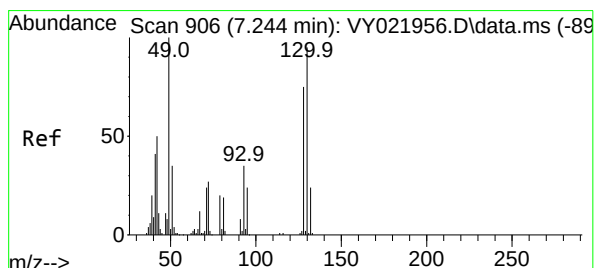
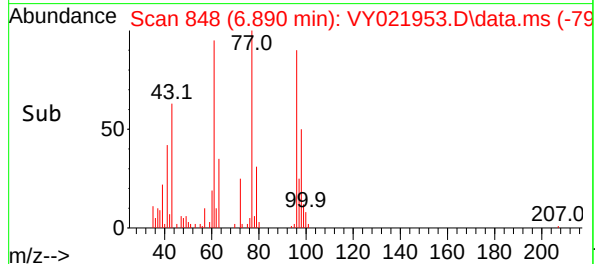
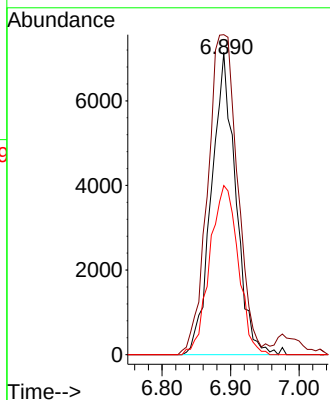
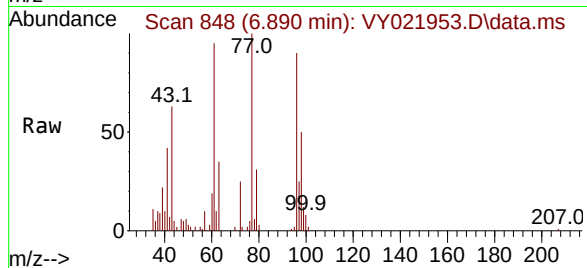
#27
 cis-1,2-Dichloroethene
 Concen: 5.029 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY021953.D
 Acq: 22 Apr 2025 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 17569
 Ion Ratio Lower Upper
 96 100
 61 131.1 0.0 251.4
 98 65.6 0.0 128.4

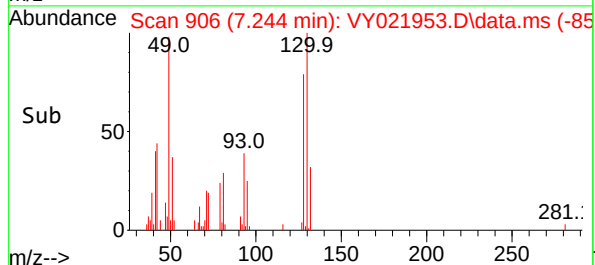
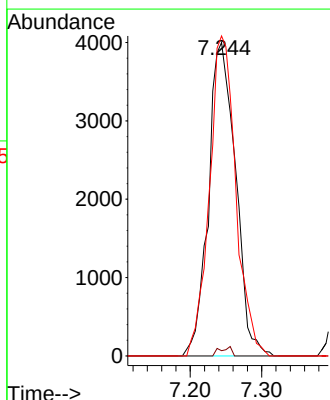
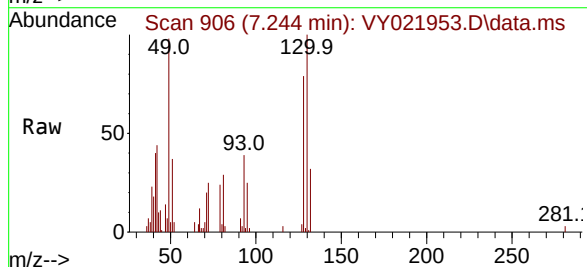
Manual Integrations
 APPROVED

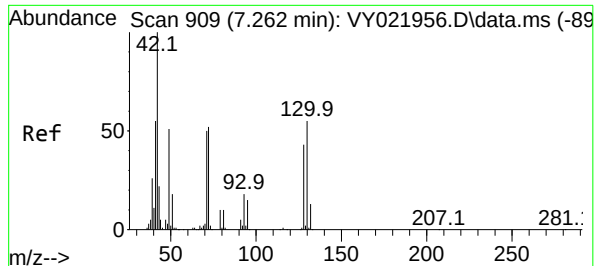
Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025



#28
 Bromochloromethane
 Concen: 5.416 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: VY021953.D
 Acq: 22 Apr 2025 13:39

Tgt Ion: 49 Resp: 10541
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 5.0
 130 99.5 78.2 117.4





#29

Tetrahydrofuran

Concen: 24.559 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

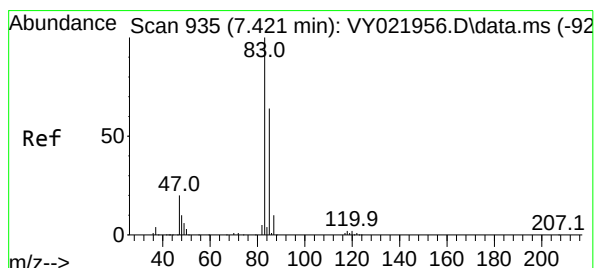
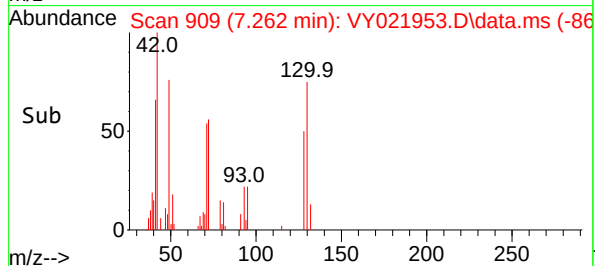
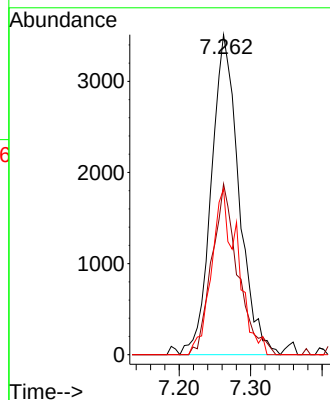
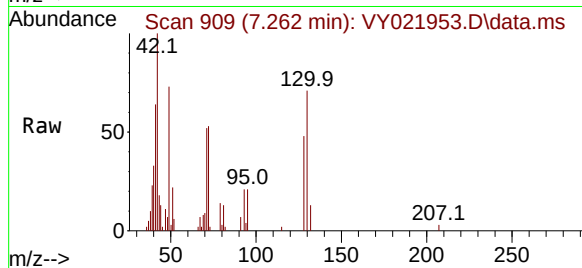
VSTDIC005

Tgt Ion:	42	Resp:	9424
Ion	Ratio	Lower	Upper
42	100		
72	50.4	42.6	63.8
71	49.4	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 5.473 ug/l

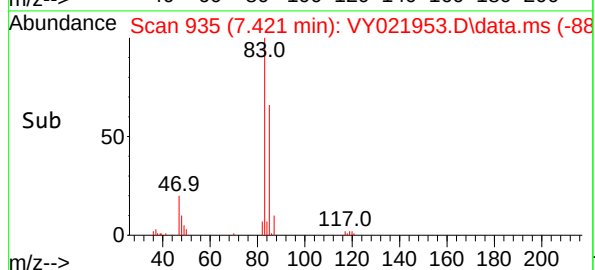
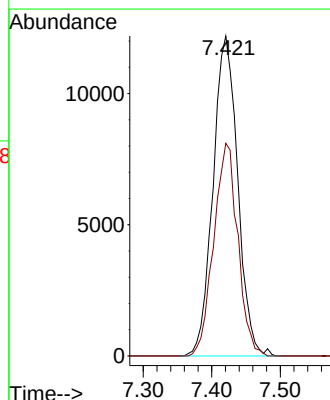
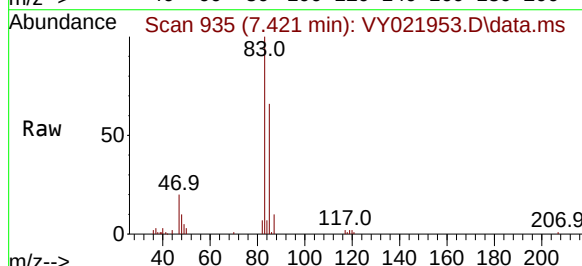
RT: 7.421 min Scan# 935

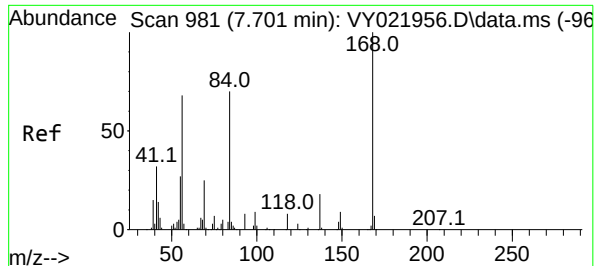
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

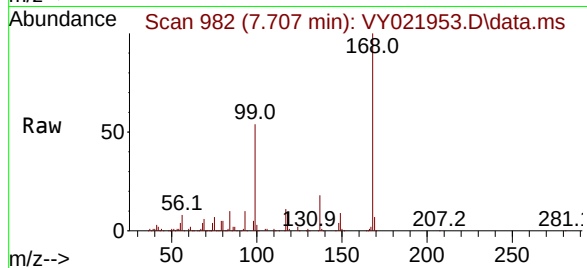
Tgt Ion:	83	Resp:	30418
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9





#31
Cyclohexane
Concen: 5.472 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

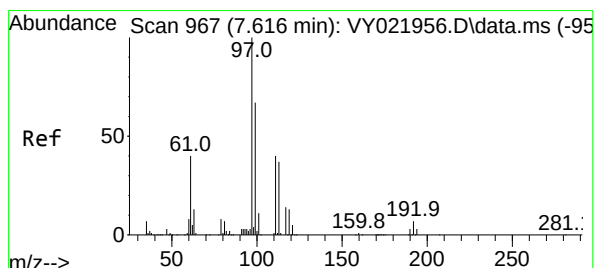
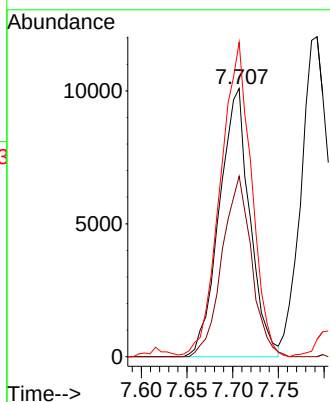
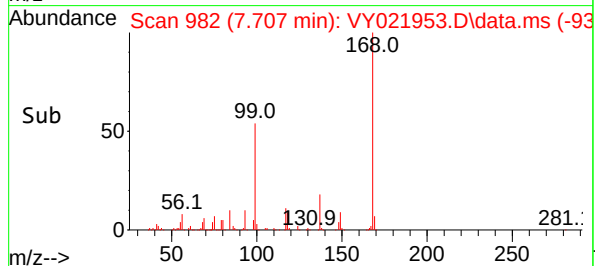
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



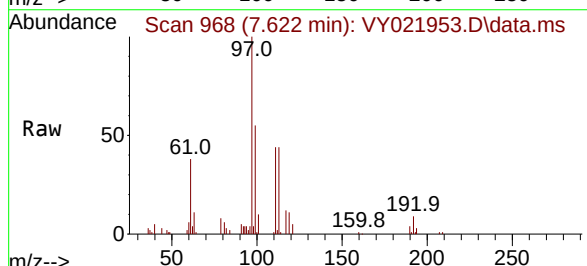
Tgt Ion: 56 Resp: 23440
Ion Ratio Lower Upper
56 100
69 67.3 29.4 44.2
84 116.5 82.2 123.4

Manual Integrations
APPROVED

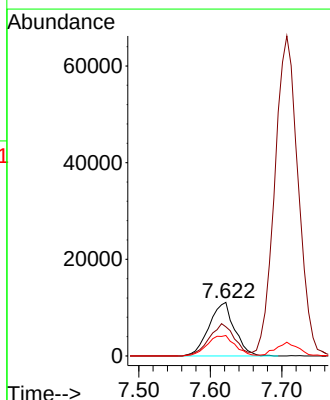
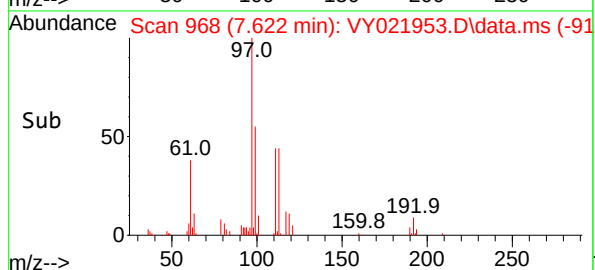
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

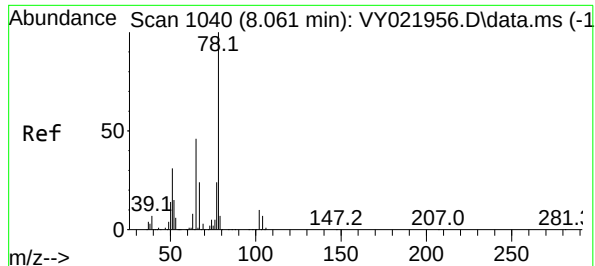


#32
1,1,1-Trichloroethane
Concen: 5.424 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39



Tgt Ion: 97 Resp: 27271
Ion Ratio Lower Upper
97 100
99 61.0 51.4 77.2
61 41.6 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 5.679 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 14719

Ion Ratio Lower Upper

65 100

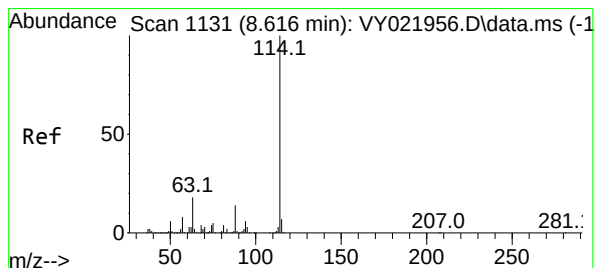
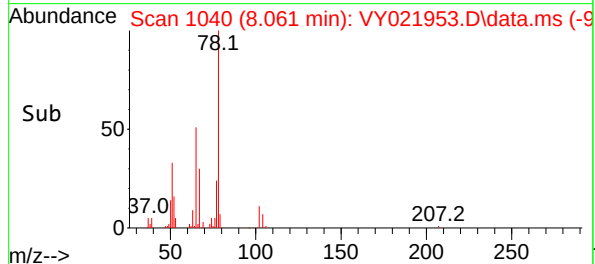
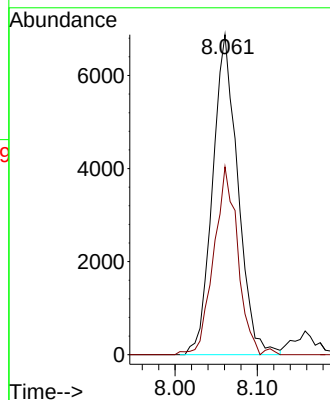
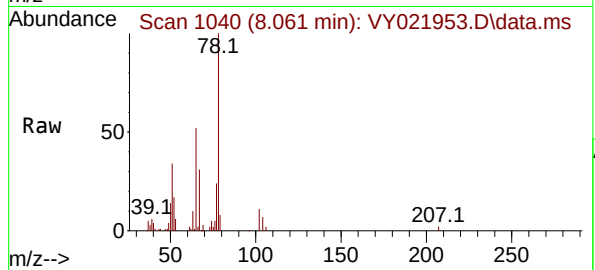
67 55.5 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

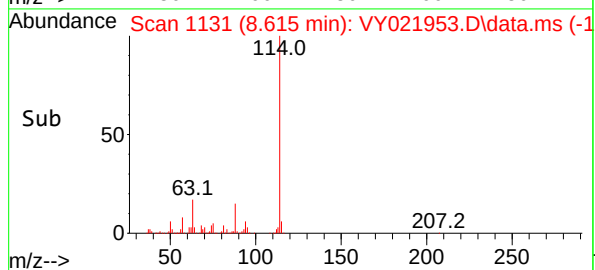
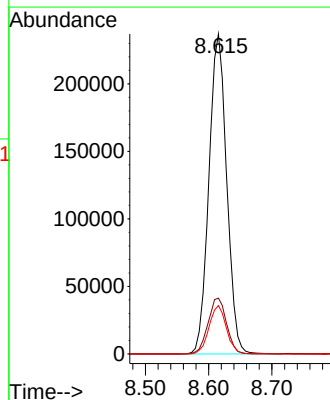
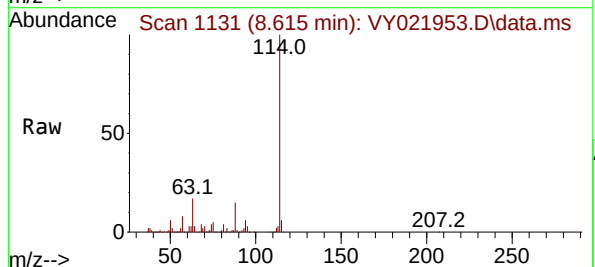
Tgt Ion:114 Resp: 462995

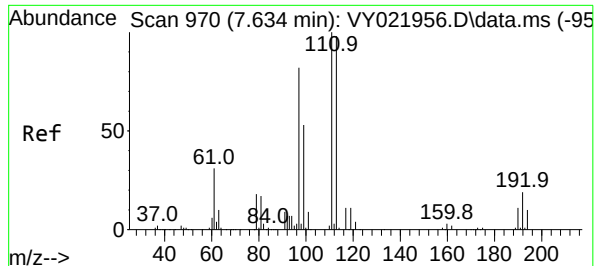
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 15.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 5.073 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

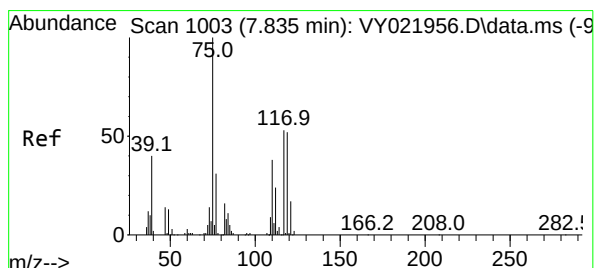
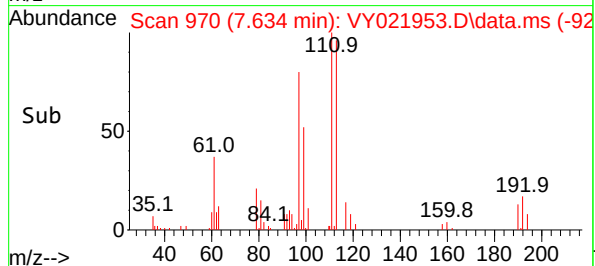
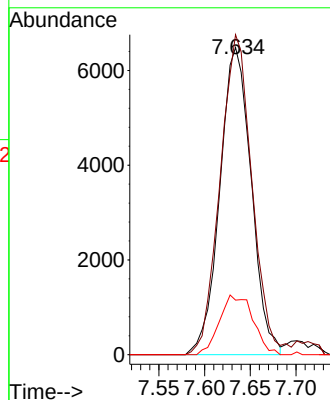
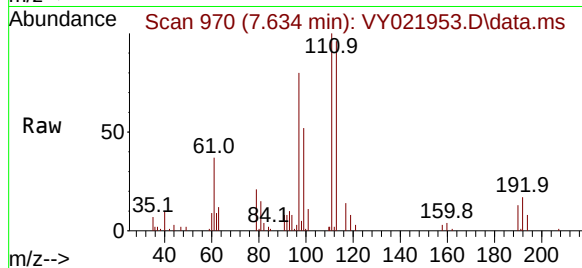
VSTDIC005

Tgt Ion:	113	Resp:	1551
Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.8	122.8
192	20.6	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 5.130 ug/l

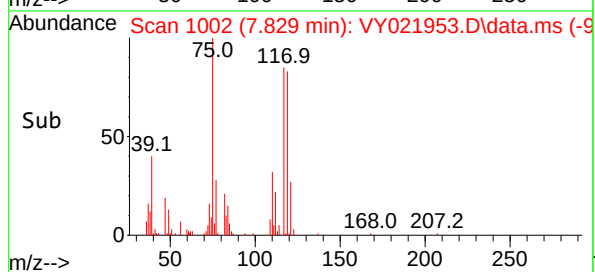
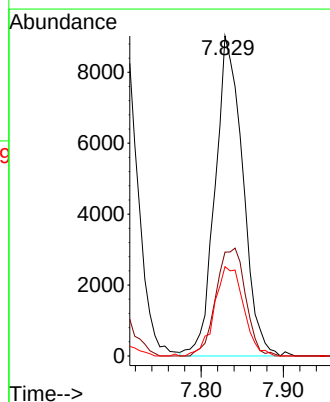
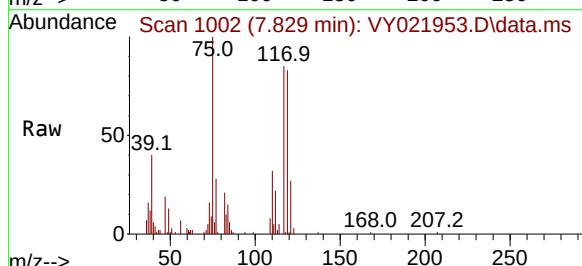
RT: 7.829 min Scan# 1002

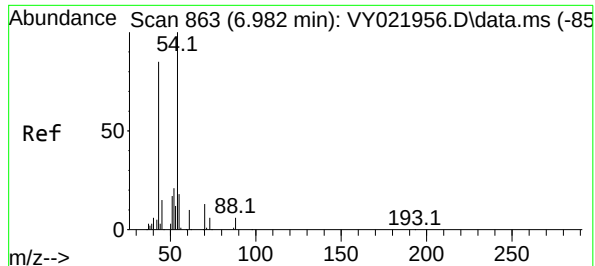
Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	75	Resp:	21076
Ion	Ratio	Lower	Upper
75	100		
110	36.0	19.1	57.3
77	29.4	25.5	38.3





#37

Ethyl Acetate

Concen: 5.283 ug/l m

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

61 15.8 13.8 20.6

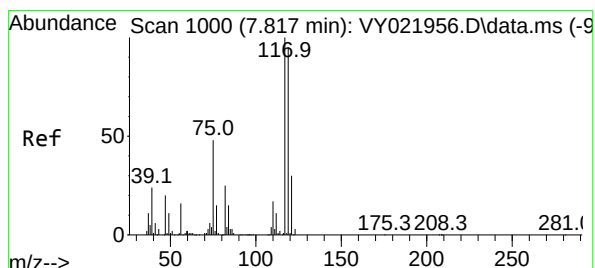
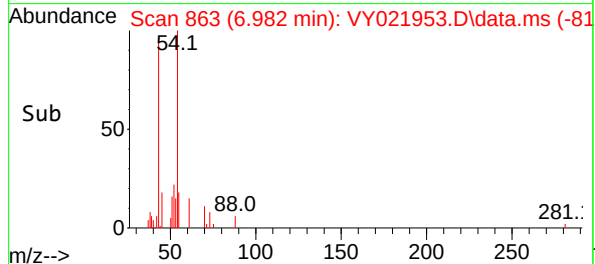
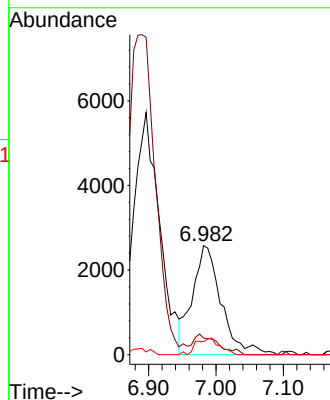
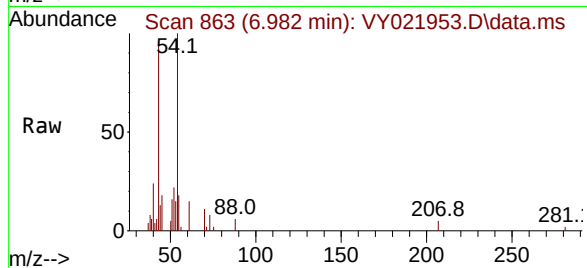
70 12.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 5.095 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

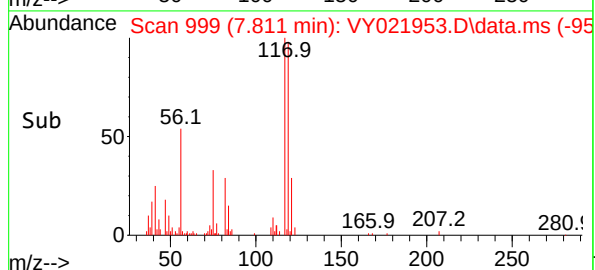
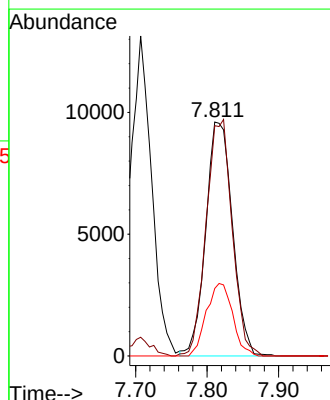
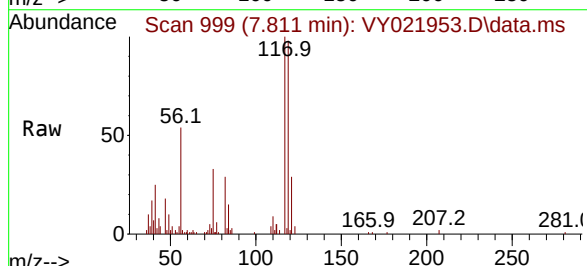
Tgt Ion:117 Resp: 25016

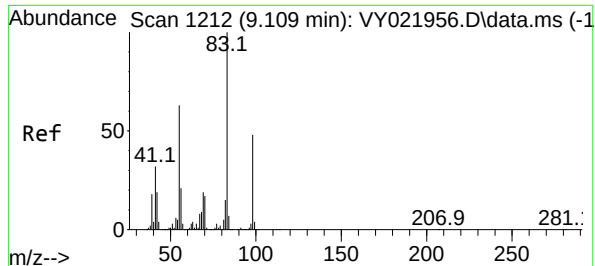
Ion Ratio Lower Upper

117 100

119 98.4 76.2 114.4

121 28.9 24.0 36.0





#39

Methylcyclohexane

Concen: 4.700 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

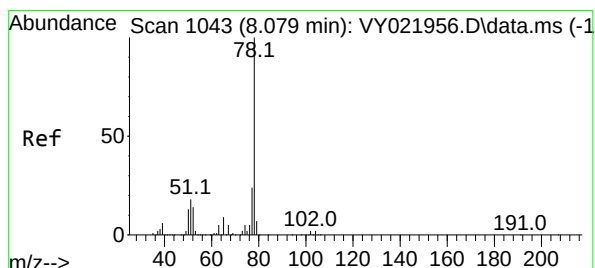
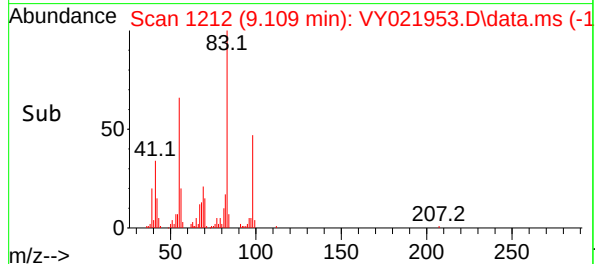
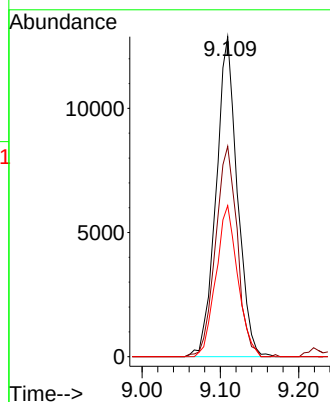
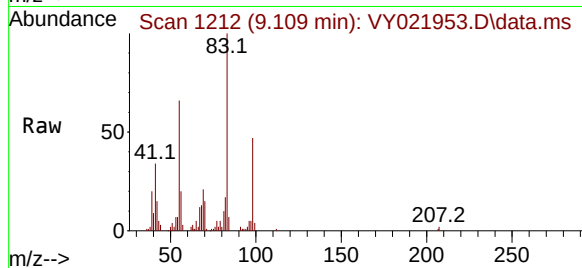
VSTDIC005

Tgt Ion:	83	Resp:	2430
Ion	Ratio	Lower	Upper
83	100		
55	65.8	50.6	75.8
98	47.2	38.6	58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 5.129 ug/l

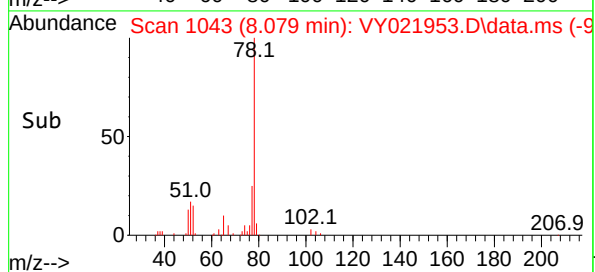
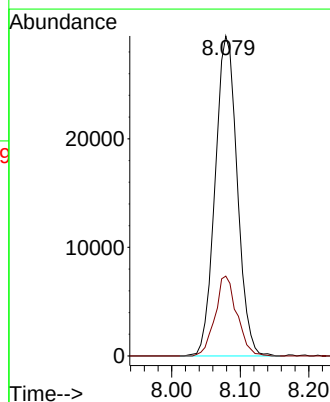
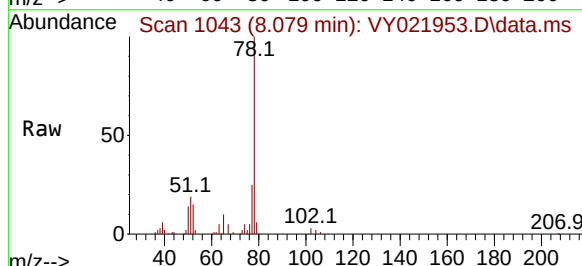
RT: 8.079 min Scan# 1043

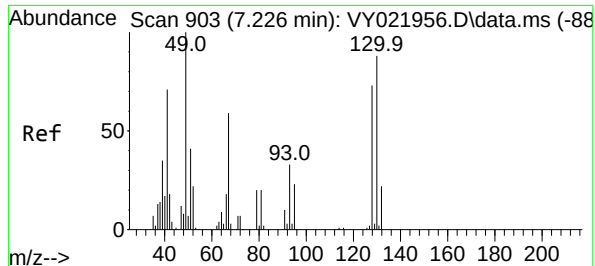
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

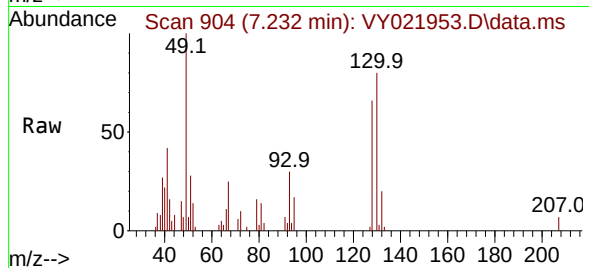
Tgt Ion:	78	Resp:	65878
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





#41
Methacrylonitrile
Concen: 4.345 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

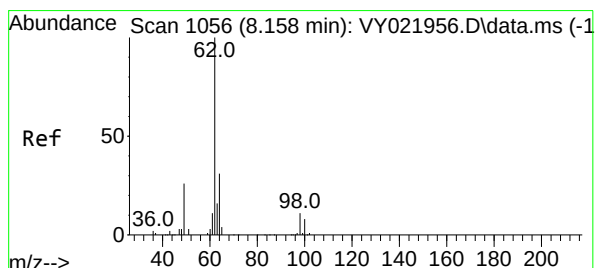
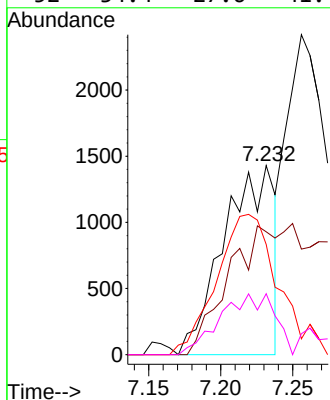
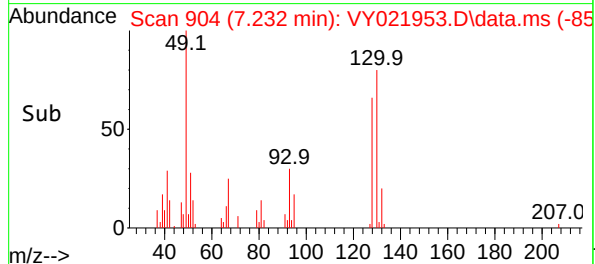
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 3500
Ion Ratio Lower Upper
41 100
39 63.9 36.6 55.0
67 89.8 72.2 108.4
52 34.4 27.6 41.4

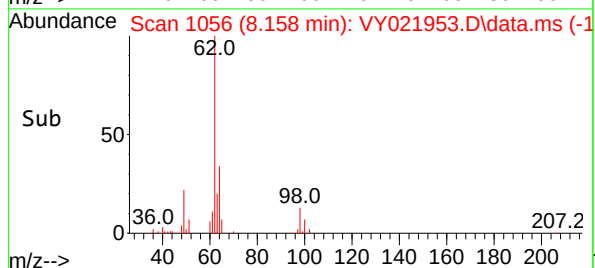
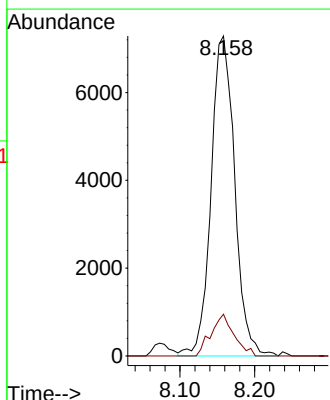
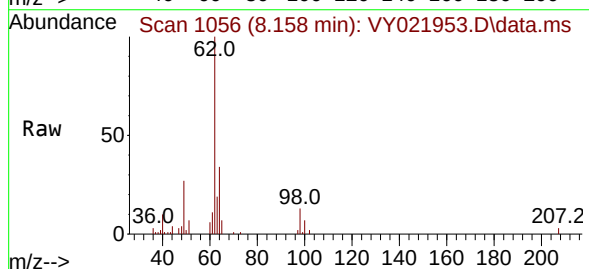
Manual Integrations
APPROVED

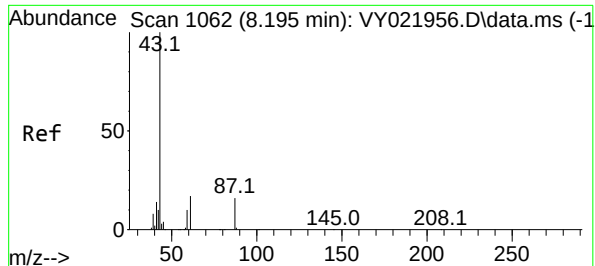
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 5.046 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 16046
Ion Ratio Lower Upper
62 100
98 12.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 4.919 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

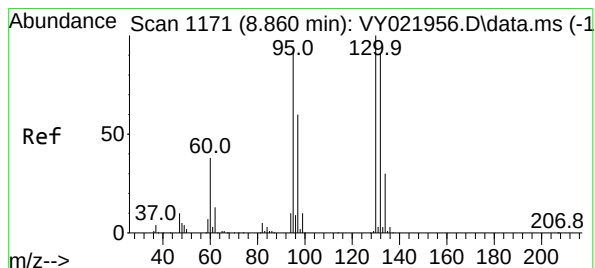
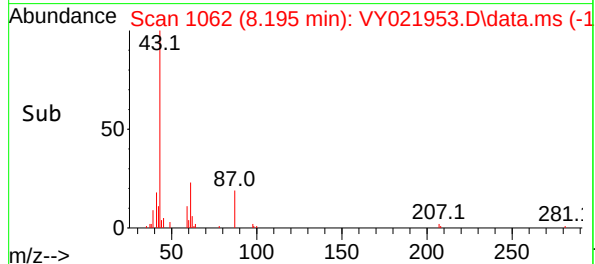
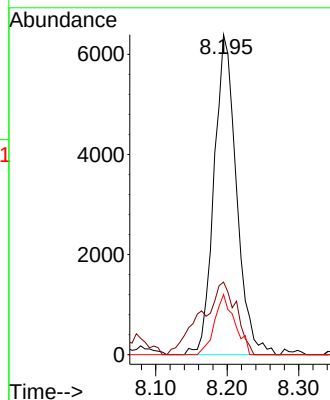
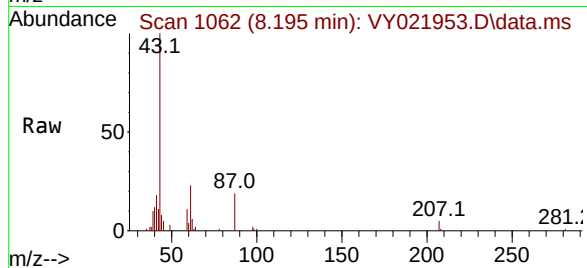
VSTDIC005

Tgt Ion: 43	Resp: 13940
Ion Ratio	Lower Upper
43	100
61	35.6 18.9 28.3
87	16.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 5.231 ug/l

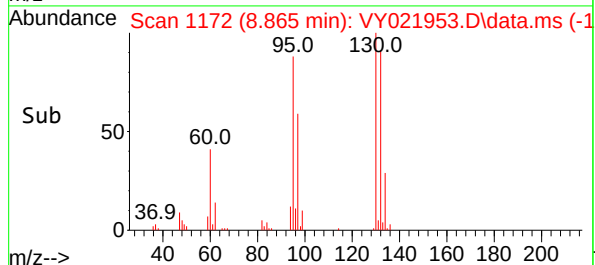
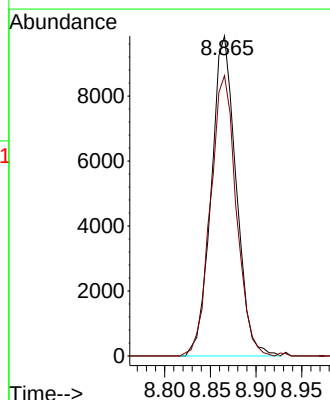
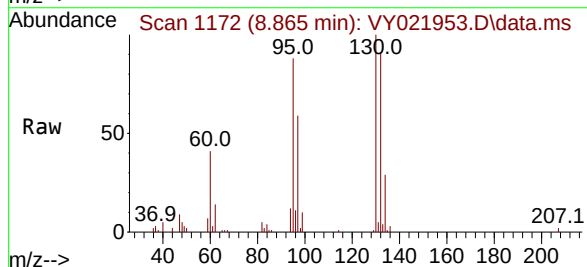
RT: 8.865 min Scan# 1172

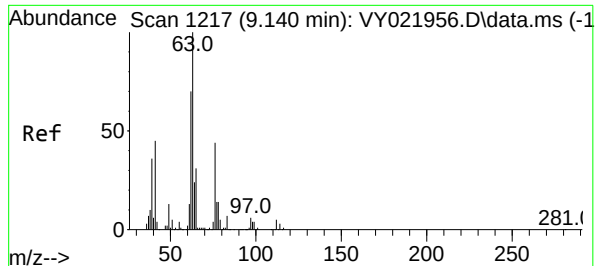
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:130	Resp: 18611
Ion Ratio	Lower Upper
130	100
95	87.6 0.0 183.2





#45

1,2-Dichloropropane

Concen: 5.220 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1482

Ion Ratio Lower Upper

63 100

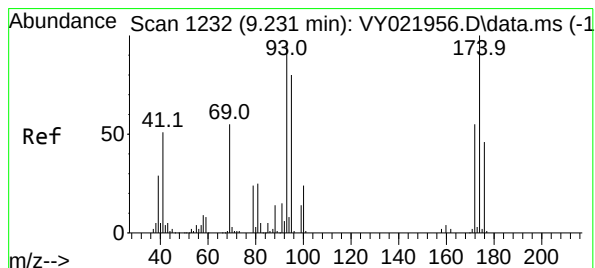
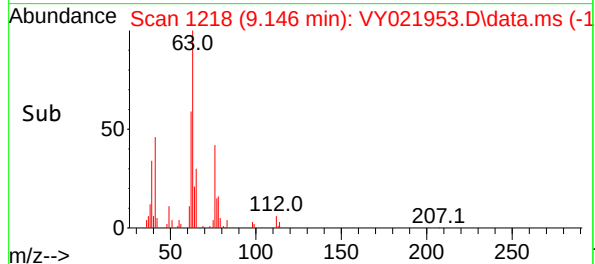
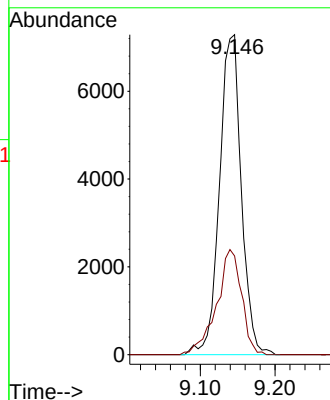
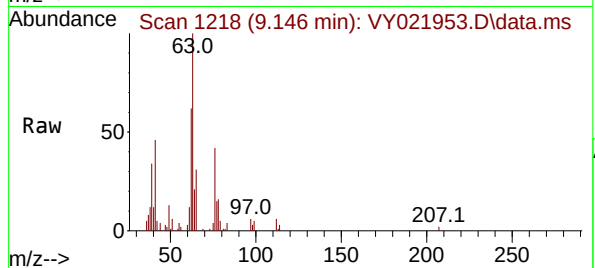
65 30.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 5.268 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

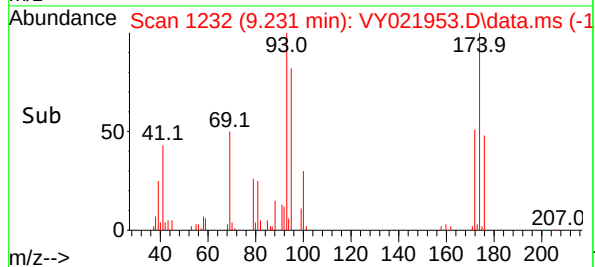
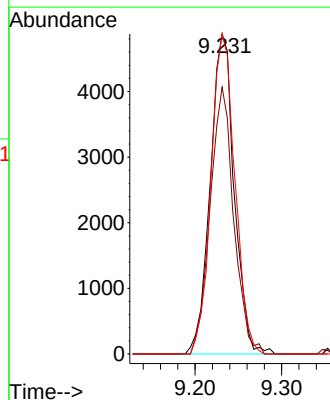
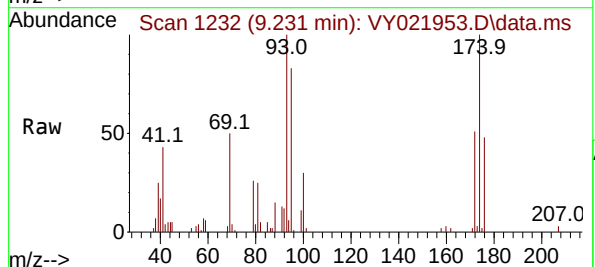
Tgt Ion: 93 Resp: 9367

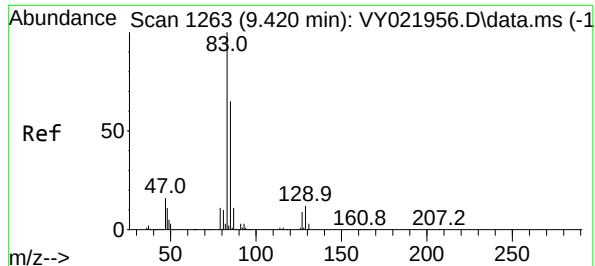
Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

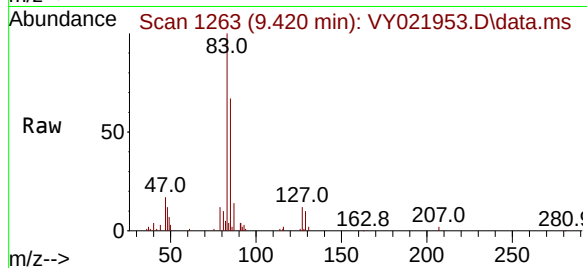
174 99.2 84.6 127.0





#47
Bromodichloromethane
Concen: 4.991 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

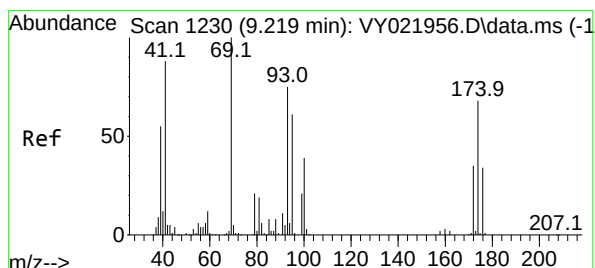
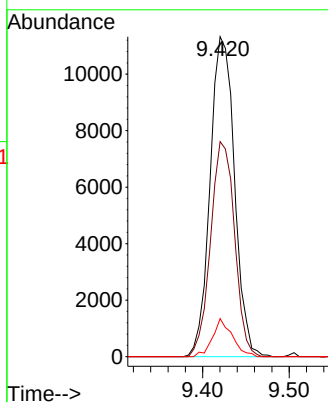
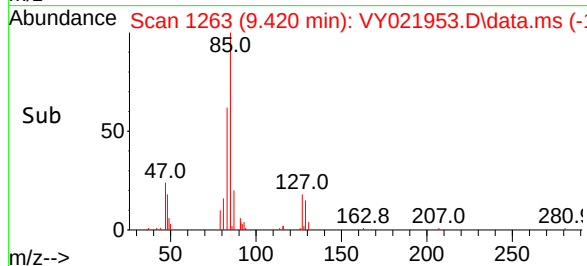
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 22170
Ion Ratio Lower Upper
83 100
85 67.2 51.8 77.8
127 11.9 7.0 10.6

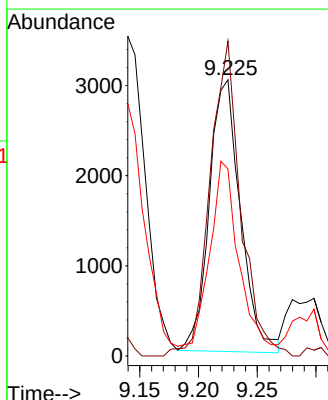
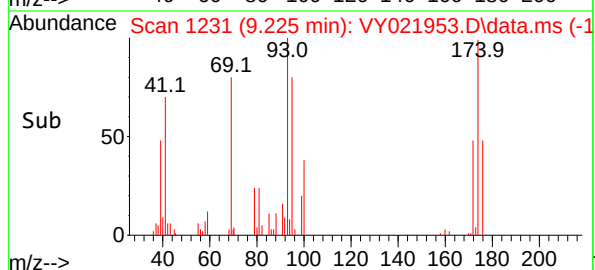
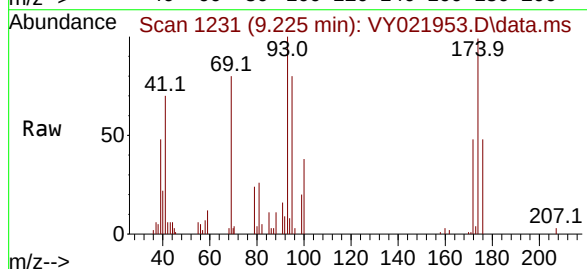
Manual Integrations
APPROVED

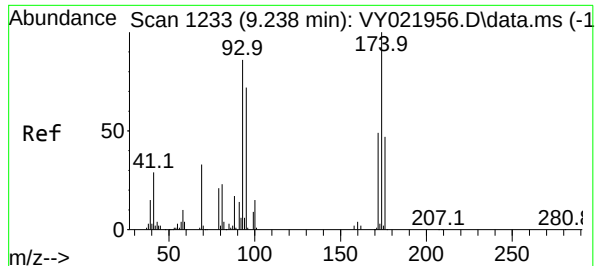
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48
Methyl methacrylate
Concen: 4.252 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 5570
Ion Ratio Lower Upper
41 100
69 113.8 85.5 128.3
39 61.6 46.2 69.4





#49

1,4-Dioxane

Concen: 89.863 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

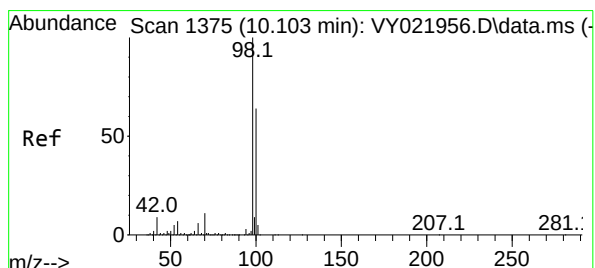
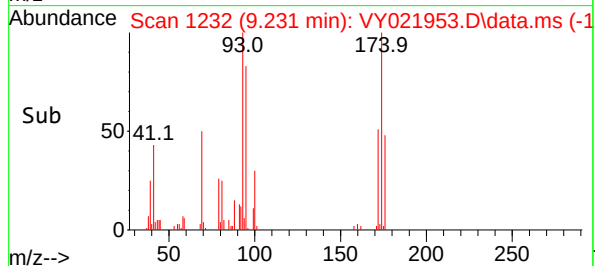
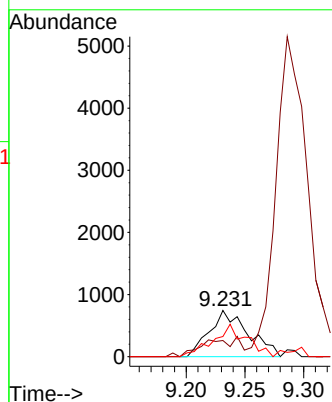
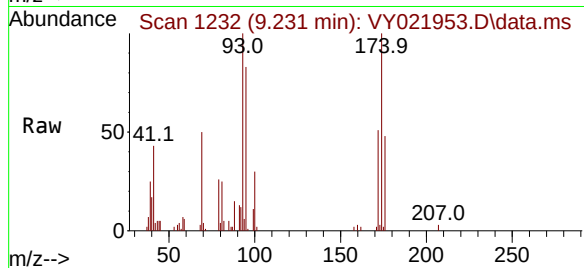
VSTDIC005

Tgt Ion:	88	Resp:	170
Ion	Ratio	Lower	Upper
88	100		
43	38.6	21.3	31.9
58	60.0	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt	04/23/2025
Supervised By :Mahesh Dadoda	04/23/2025



#50

Toluene-d8

Concen: 4.900 ug/l

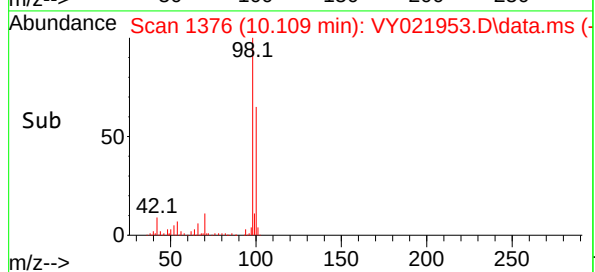
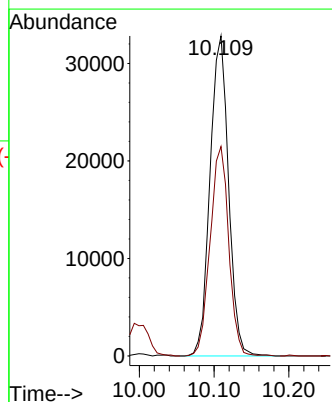
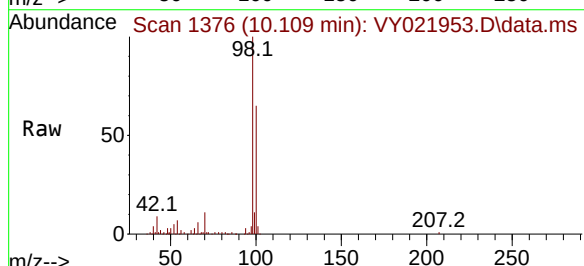
RT: 10.109 min Scan# 1376

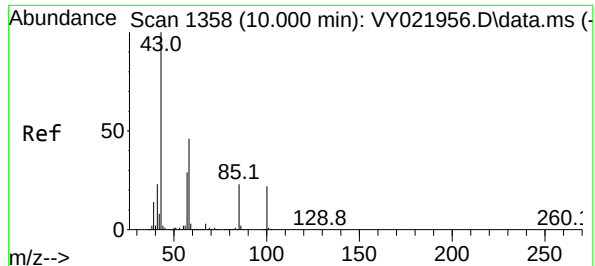
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

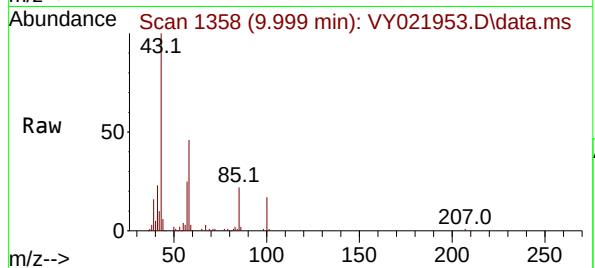
Tgt Ion:	98	Resp:	56501
Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 22.414 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

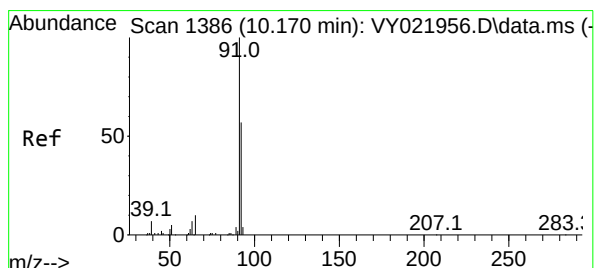
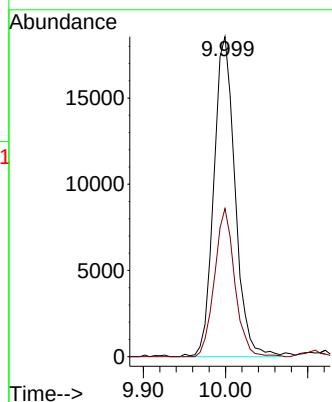
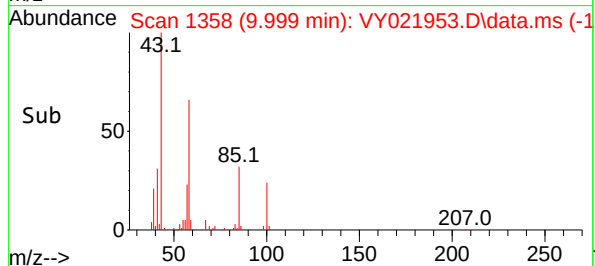
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 33298
Ion Ratio Lower Upper
43 100
58 44.2 36.6 55.0

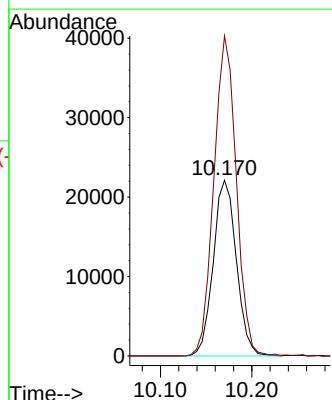
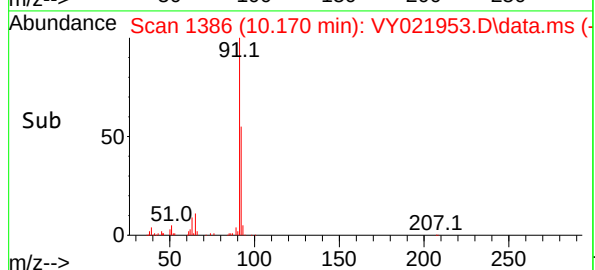
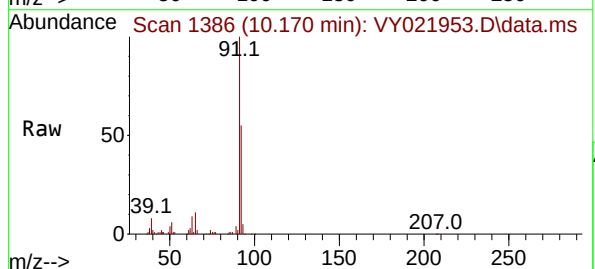
Manual Integrations
APPROVED

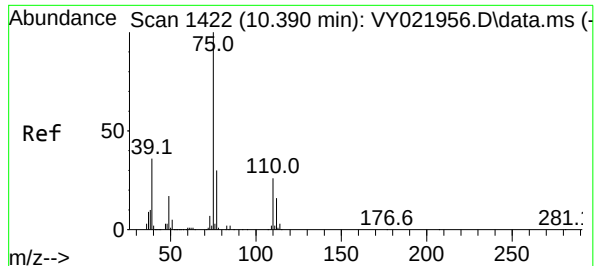
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 4.665 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

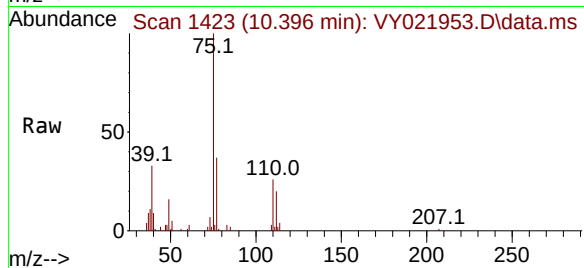
Tgt Ion: 92 Resp: 38784
Ion Ratio Lower Upper
92 100
91 177.9 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 4.649 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

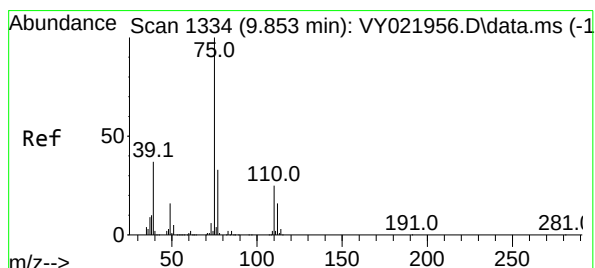
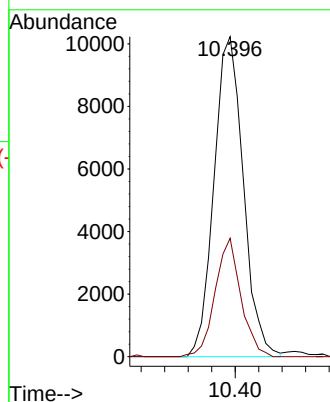
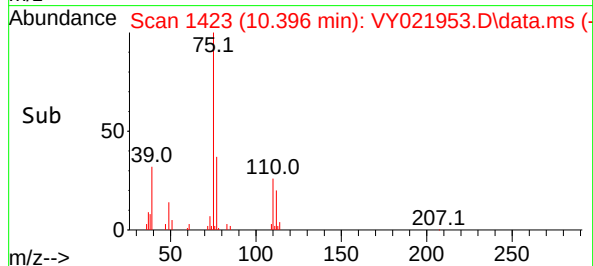
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 17712
Ion Ratio Lower Upper
75 100
77 37.0 24.0 36.0

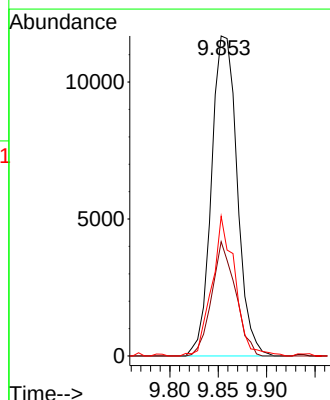
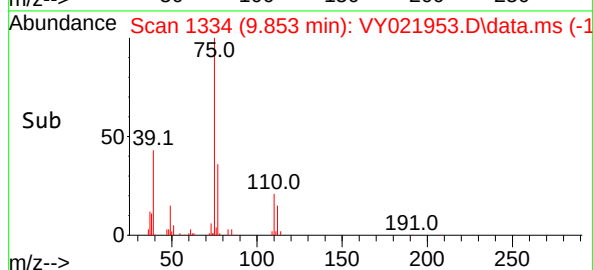
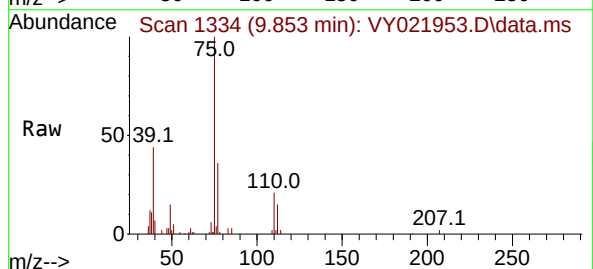
Manual Integrations
APPROVED

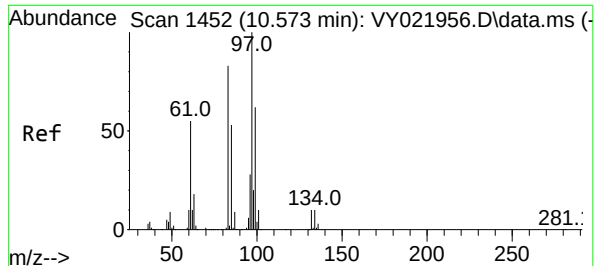
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 4.765 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

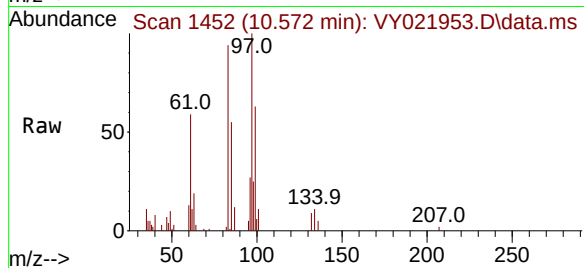
Tgt Ion: 75 Resp: 21582
Ion Ratio Lower Upper
75 100
77 35.7 26.6 40.0
39 43.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 4.877 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

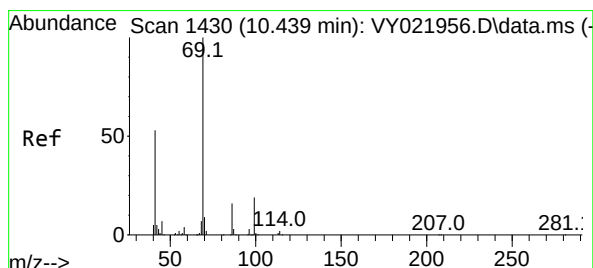
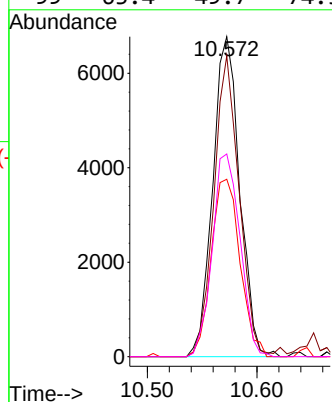
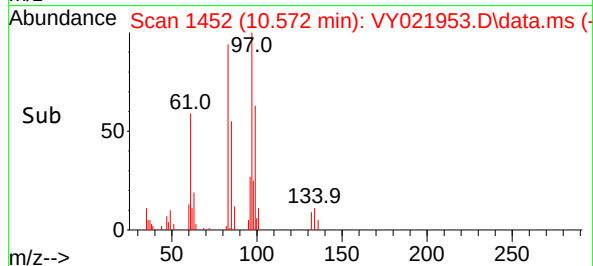
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 97 Resp: 1158
Ion Ratio Lower Upper
97 100
83 94.0 66.7 100.1
85 55.5 42.6 64.0
99 63.4 49.7 74.5

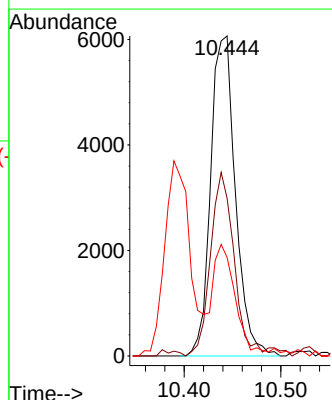
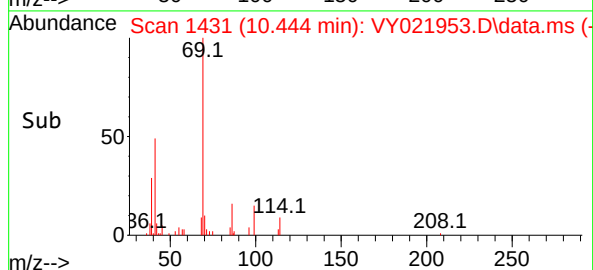
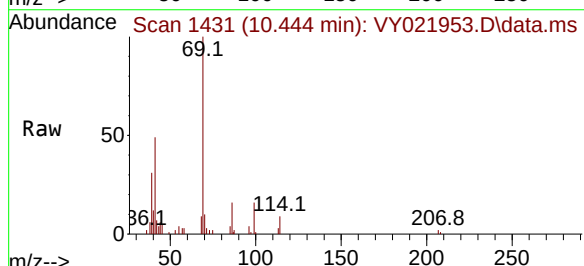
Manual Integrations
APPROVED

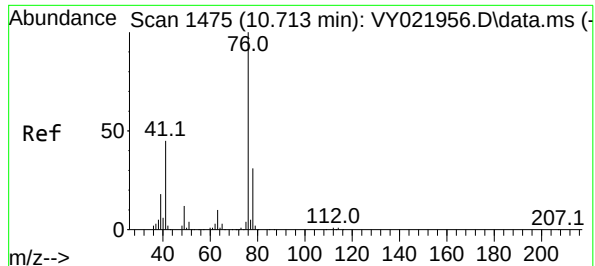
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 3.982 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 69 Resp: 10816
Ion Ratio Lower Upper
69 100
41 54.5 40.7 61.1
39 30.0 23.3 34.9





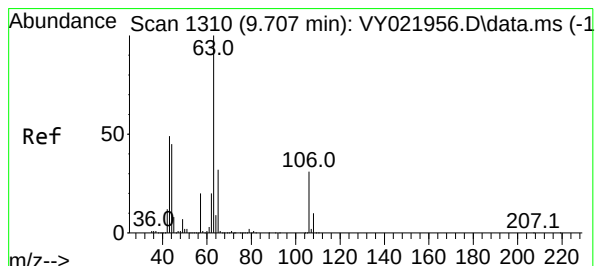
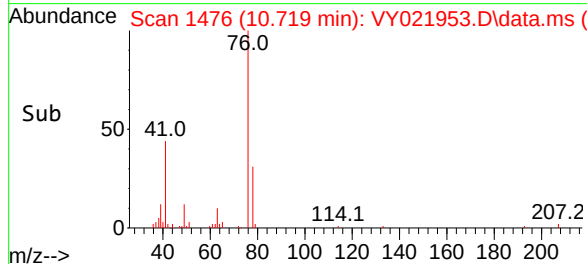
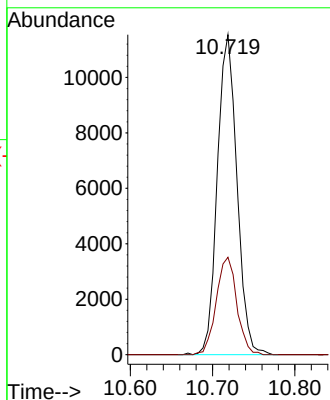
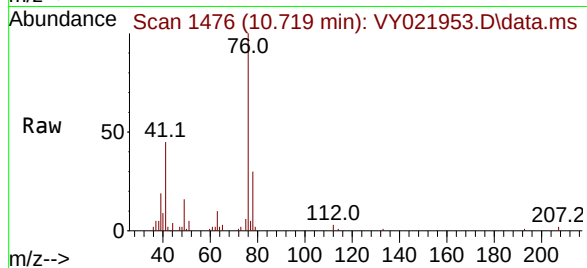
#57
1,3-Dichloropropane
Concen: 5.020 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 1911
Ion Ratio Lower Upper
76 100
78 31.9 26.6 39.8

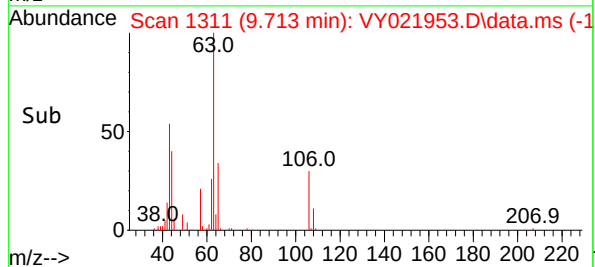
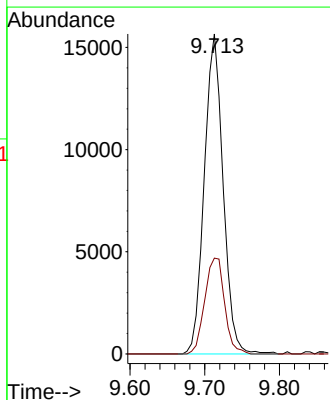
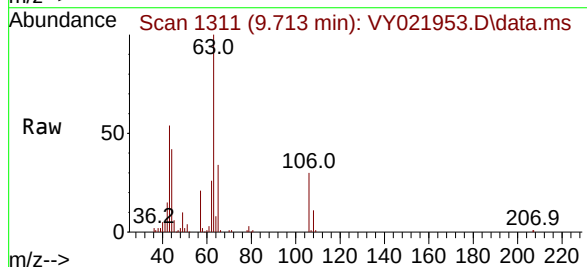
Manual Integrations
APPROVED

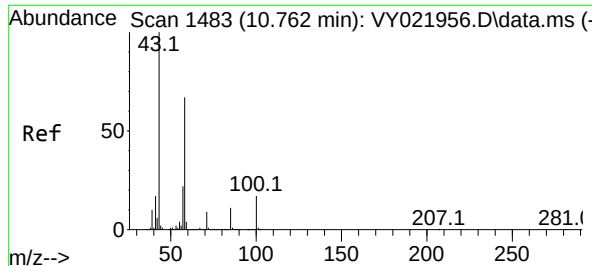
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 20.606 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

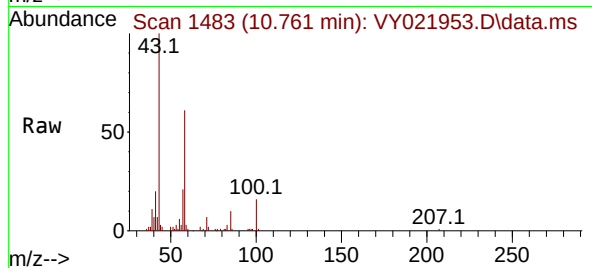
Tgt Ion: 63 Resp: 27363
Ion Ratio Lower Upper
63 100
106 31.5 25.3 37.9





#59
2-Hexanone
Concen: 22.001 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

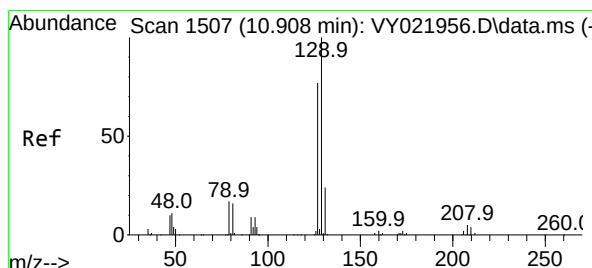
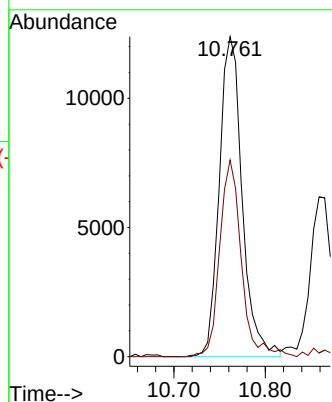
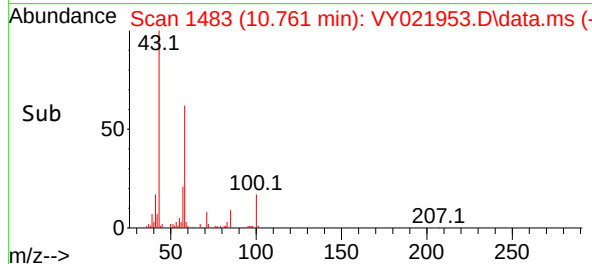
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 21558
Ion Ratio Lower Upper
43 100
58 58.1 32.0 96.0

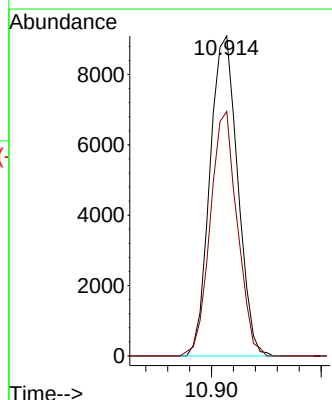
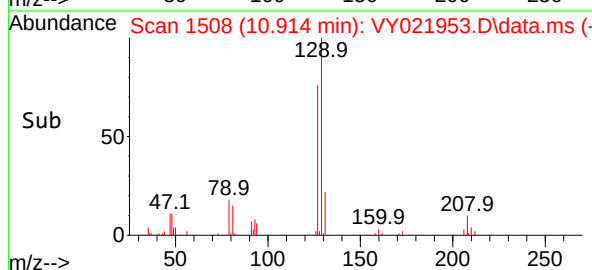
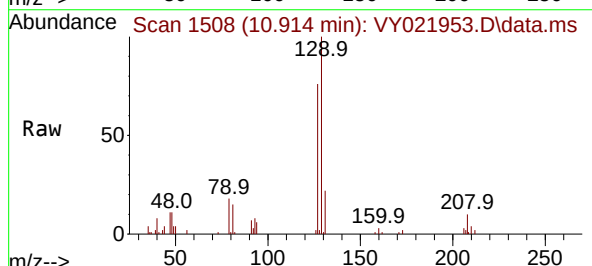
Manual Integrations
APPROVED

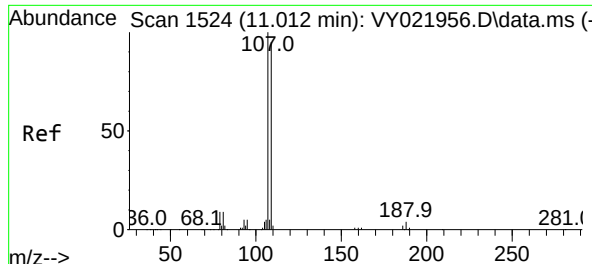
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 4.863 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

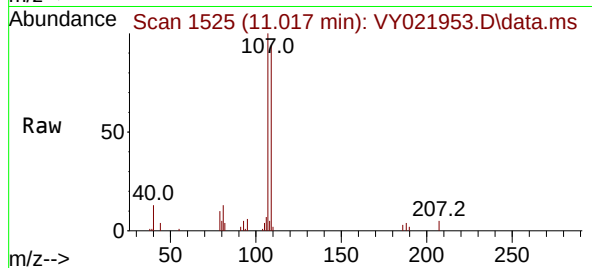
Tgt Ion:129 Resp: 15992
Ion Ratio Lower Upper
129 100
127 74.2 38.5 115.3





#61
1,2-Dibromoethane
Concen: 4.915 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

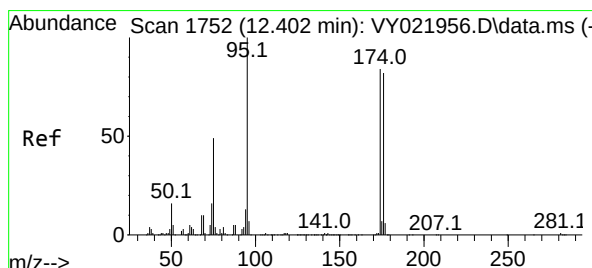
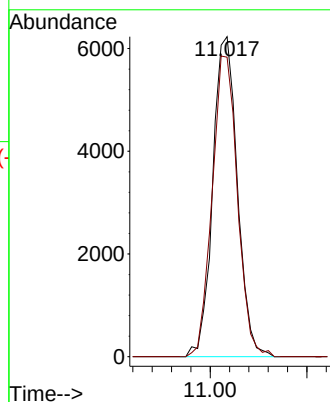
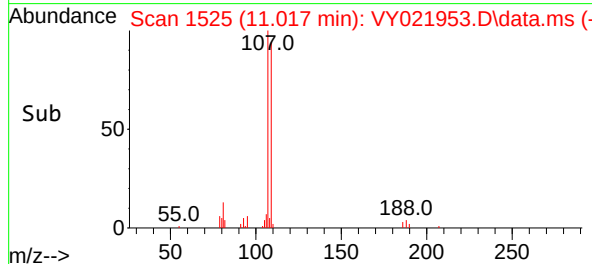
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 11020
Ion Ratio Lower Upper
107 100
109 96.5 75.8 113.8

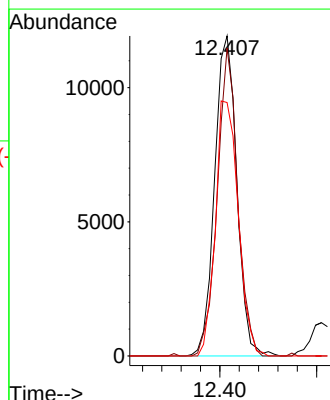
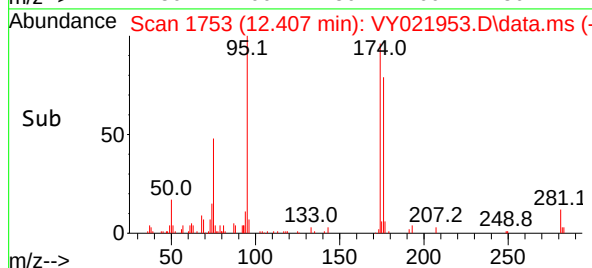
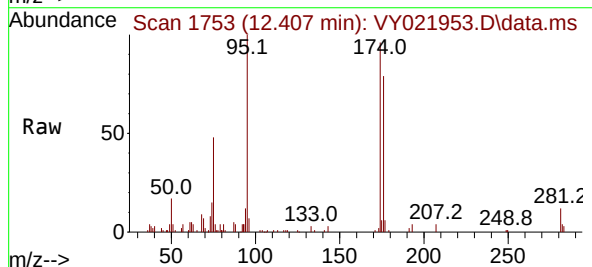
Manual Integrations
APPROVED

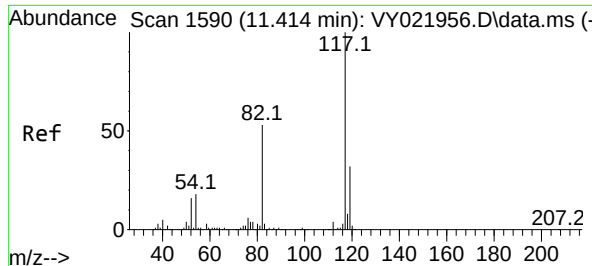
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 4.869 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

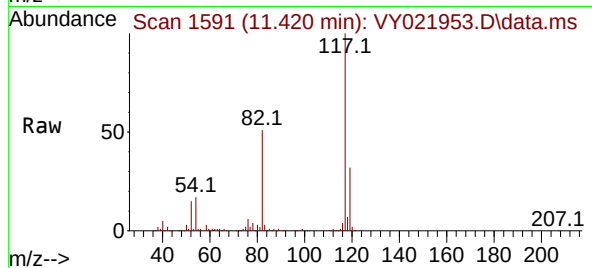
Tgt Ion: 95 Resp: 18902
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 82.4 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

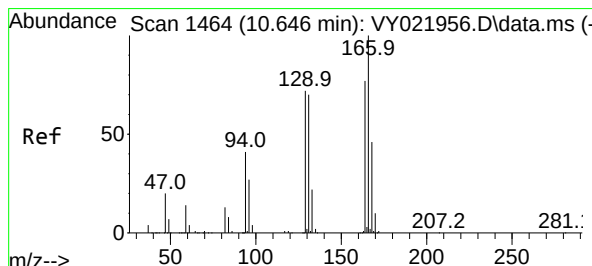
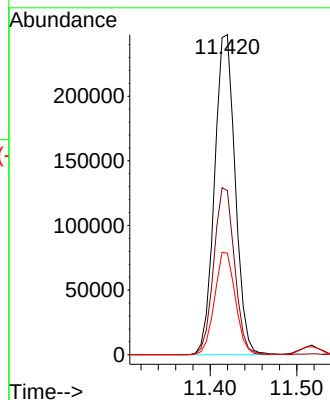
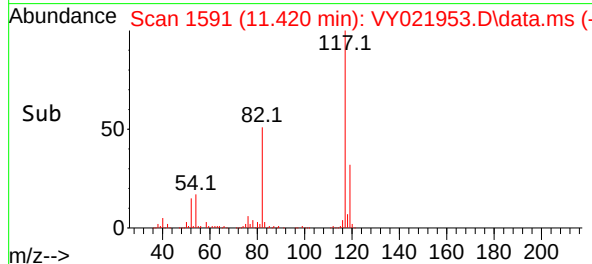
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 410723
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 31.7 25.7 38.5

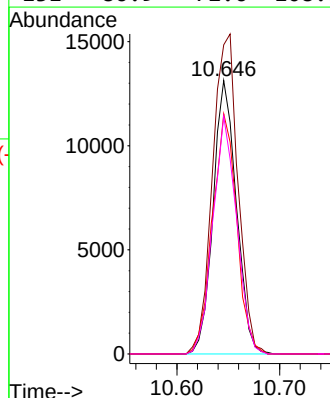
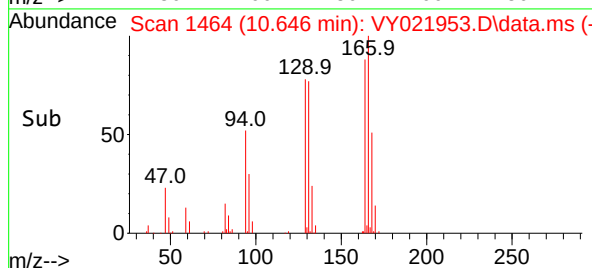
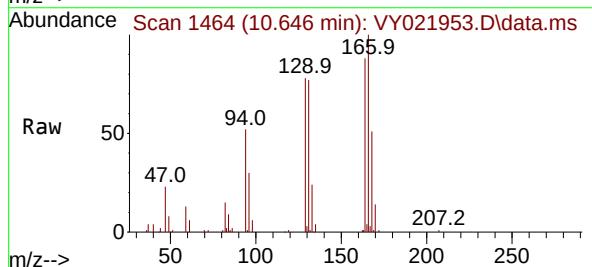
Manual Integrations
APPROVED

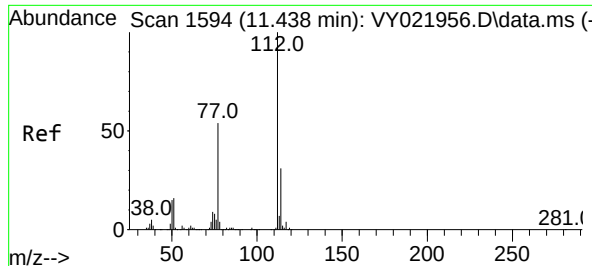
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 5.302 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:164 Resp: 20545
Ion Ratio Lower Upper
164 100
166 113.0 103.6 155.4
129 87.8 74.2 111.4
131 86.9 72.6 108.8





#65

Chlorobenzene

Concen: 5.314 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 4880

Ion Ratio Lower Upper

112 100

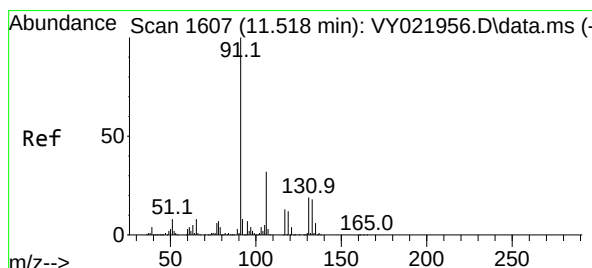
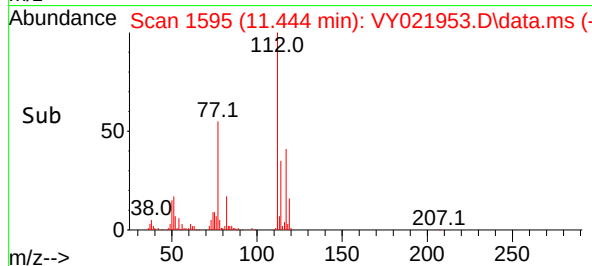
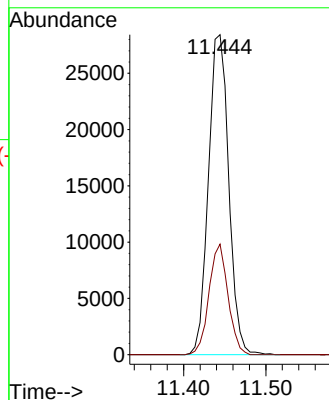
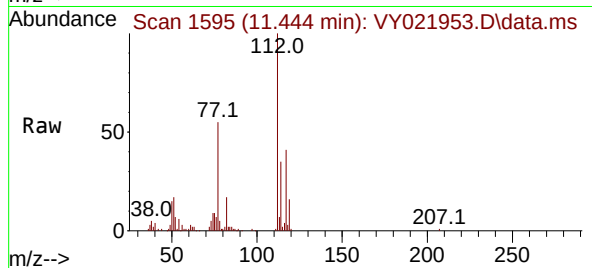
114 34.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.097 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

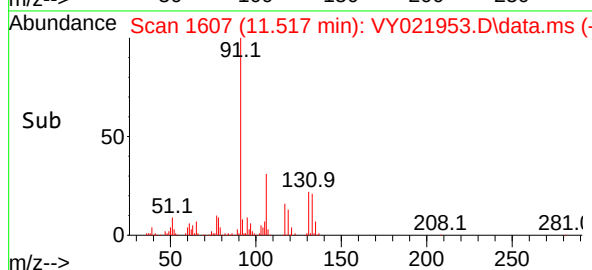
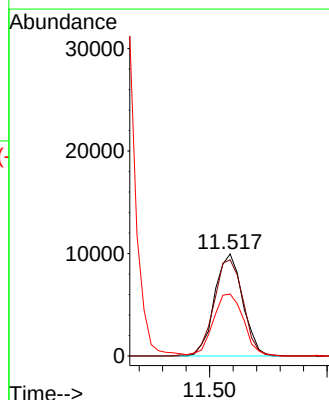
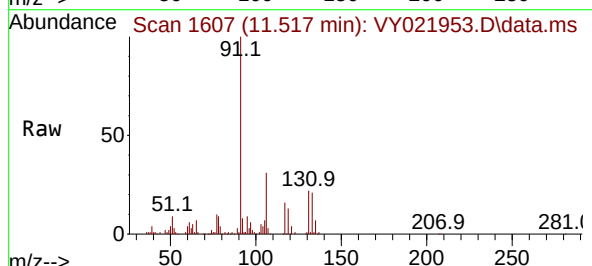
Tgt Ion:131 Resp: 16483

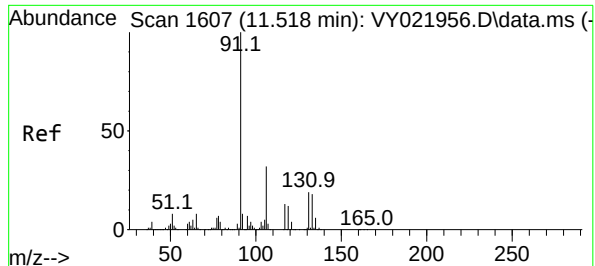
Ion Ratio Lower Upper

131 100

133 98.5 47.8 143.3

119 65.6 32.4 97.0





#67

Ethyl Benzene

Concen: 4.629 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 69548

Ion Ratio Lower Upper

91 100

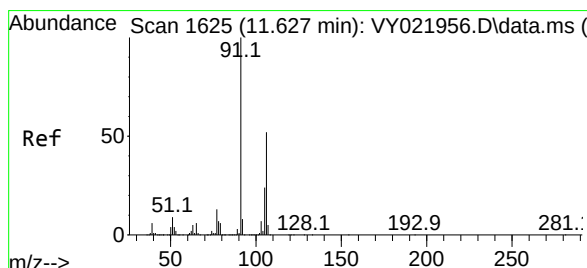
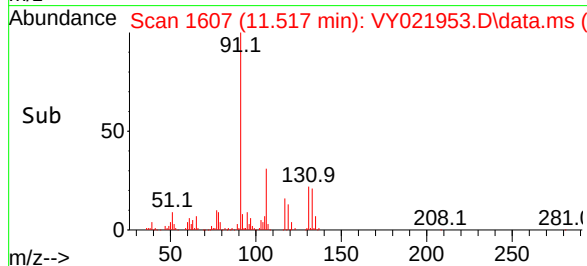
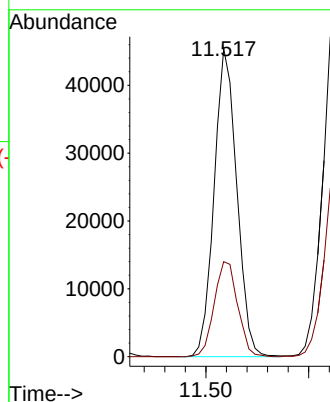
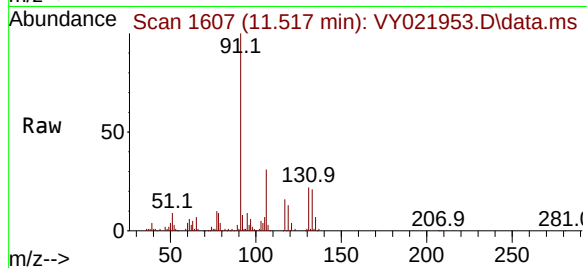
106 30.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 9.119 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021953.D

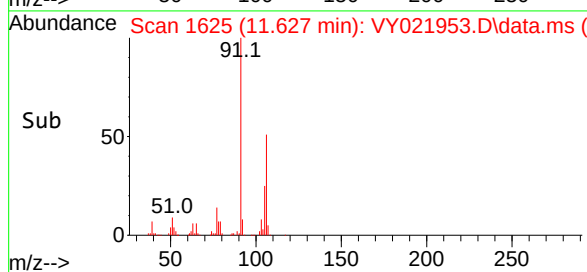
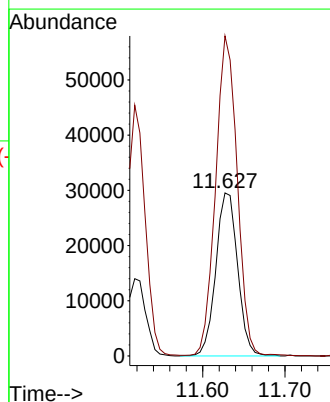
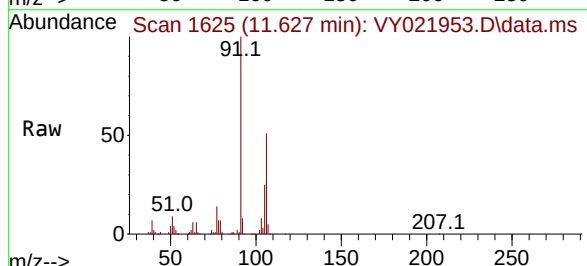
Acq: 22 Apr 2025 13:39

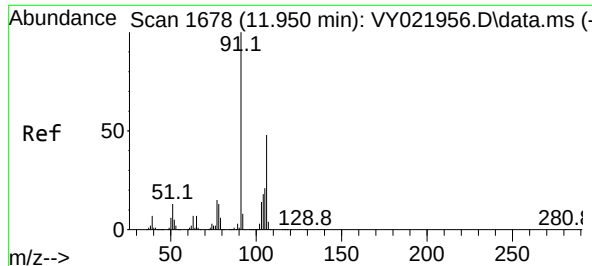
Tgt Ion:106 Resp: 54518

Ion Ratio Lower Upper

106 100

91 195.0 156.2 234.2





#69

o-Xylene

Concen: 4.466 ug/l

RT: 11.956 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 2461

Ion Ratio Lower Upper

106 100

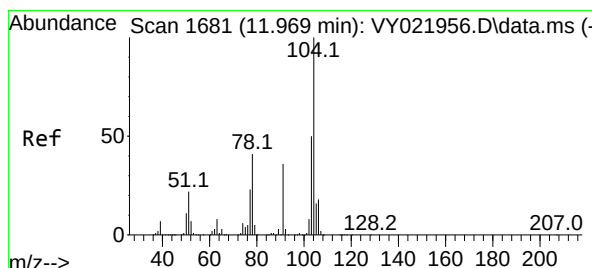
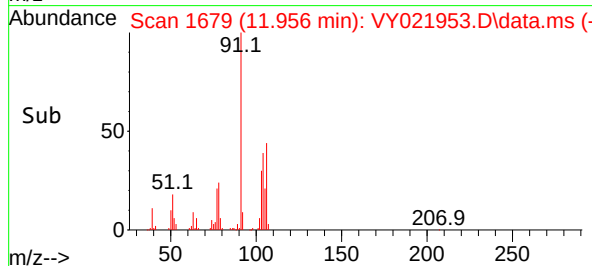
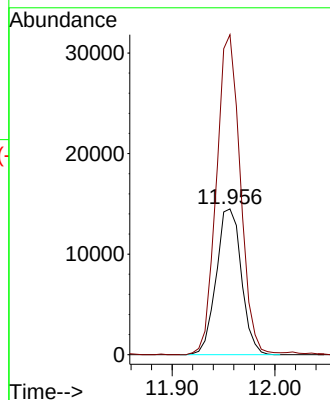
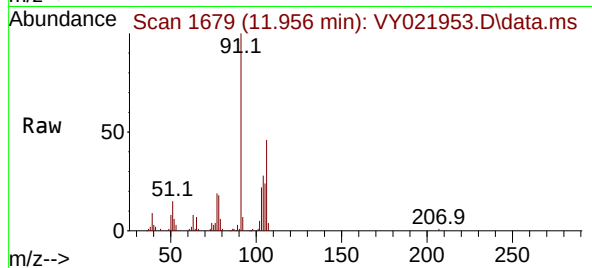
91 208.8 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#70

Styrene

Concen: 4.217 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

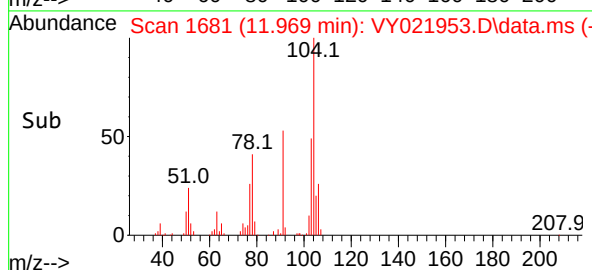
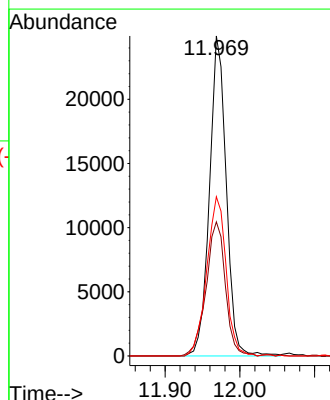
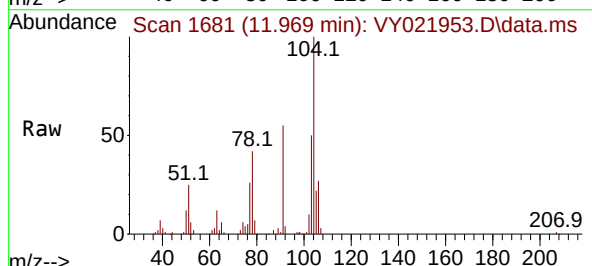
Tgt Ion:104 Resp: 39016

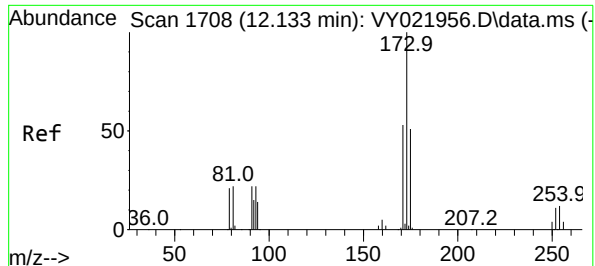
Ion Ratio Lower Upper

104 100

78 48.0 36.6 54.8

103 57.1 43.8 65.8





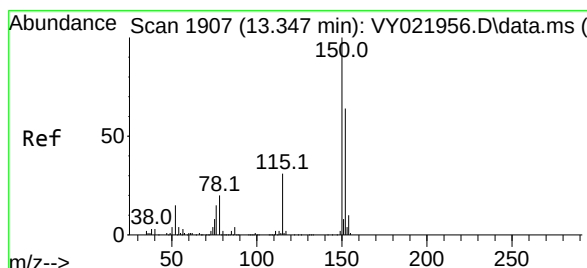
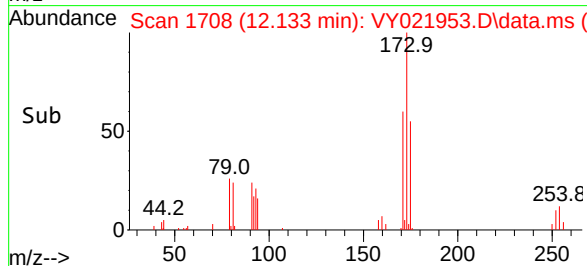
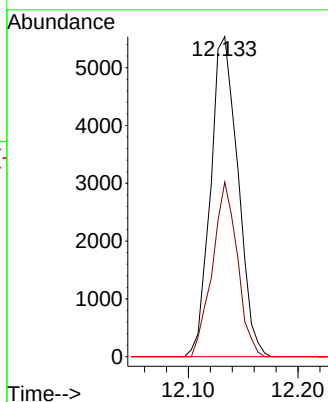
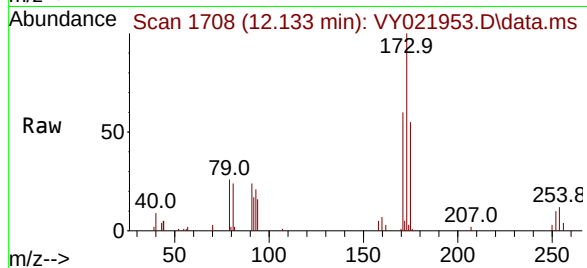
#71
Bromoform
Concen: 5.111 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9608
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.0 0.0 0.0

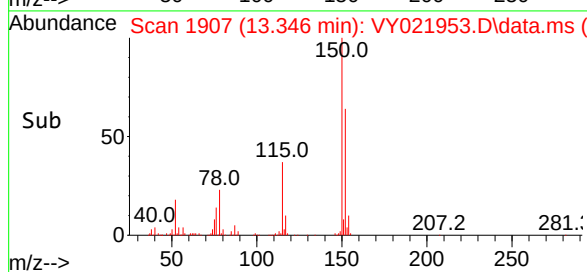
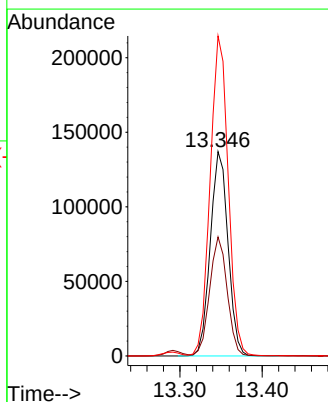
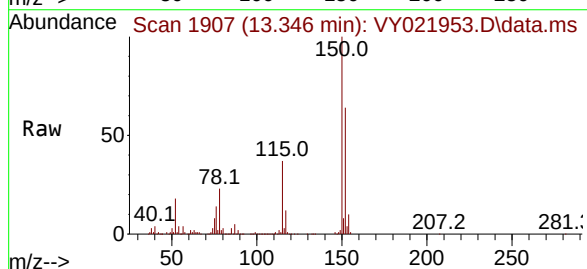
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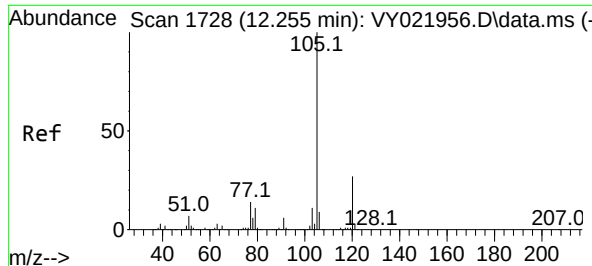
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

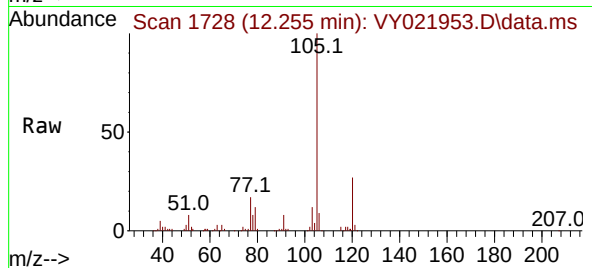
Tgt Ion:152 Resp: 205526
Ion Ratio Lower Upper
152 100
115 57.3 28.0 84.0
150 159.3 0.0 345.6





#73
Isopropylbenzene
Concen: 4.582 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

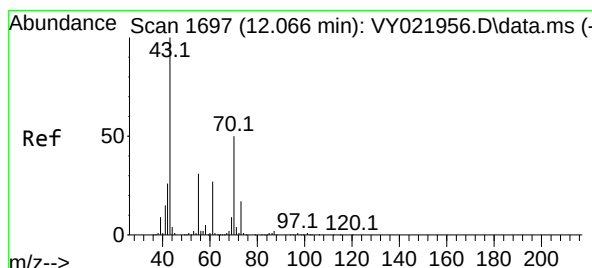
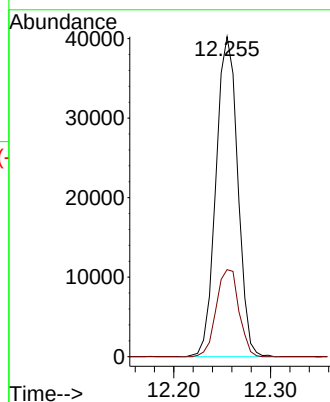
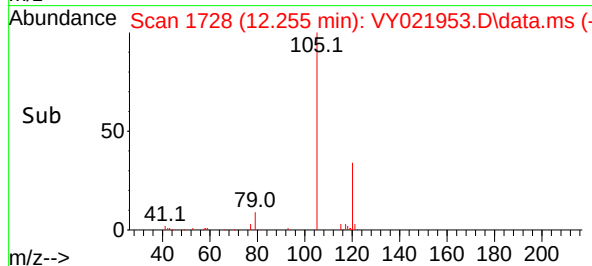
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 6291
Ion Ratio Lower Upper
105 100
120 28.3 13.5 40.5

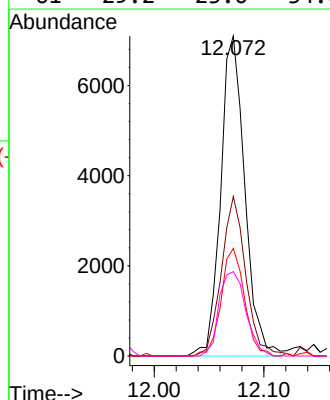
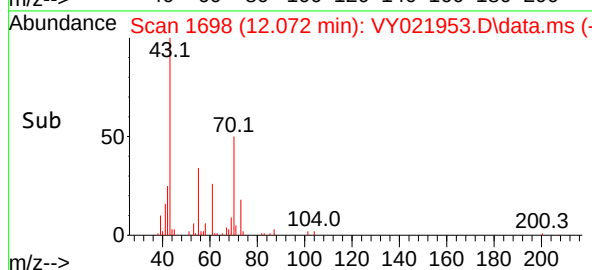
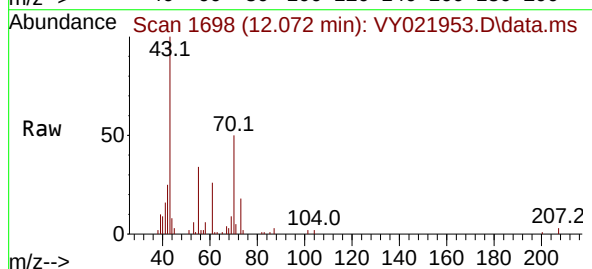
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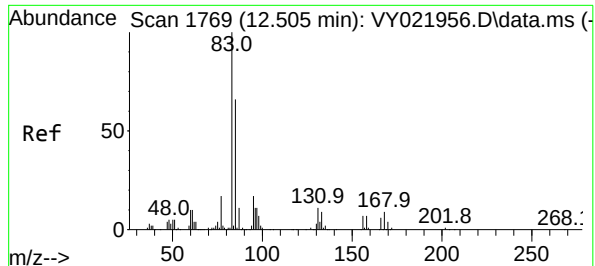
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 4.596 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 10843
Ion Ratio Lower Upper
43 100
70 50.3 43.2 64.8
55 32.5 25.7 38.5
61 29.2 23.0 34.6





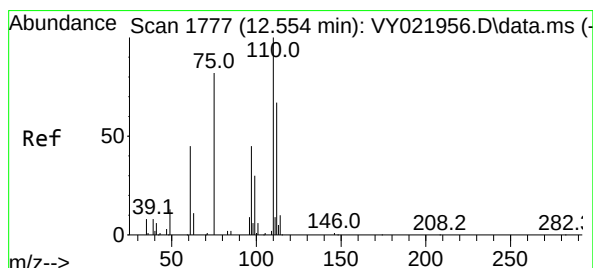
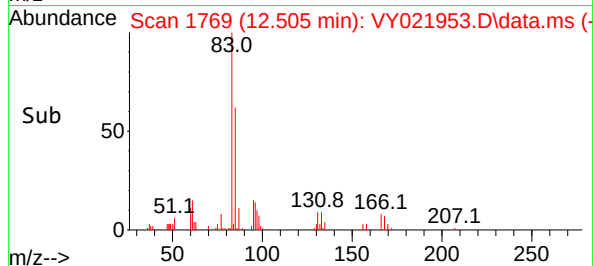
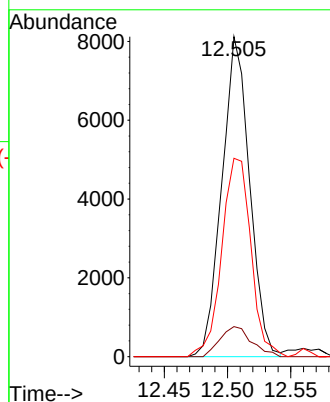
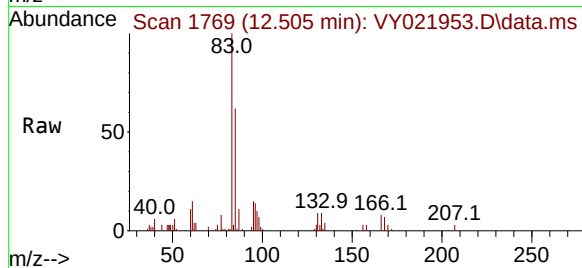
#75
1,1,2,2-Tetrachloroethane
Concen: 5.340 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	65.3	32.3	96.8

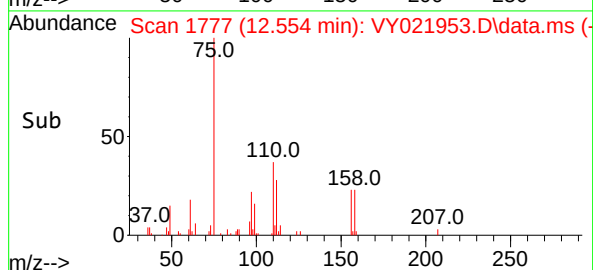
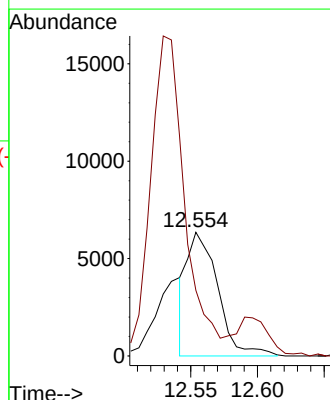
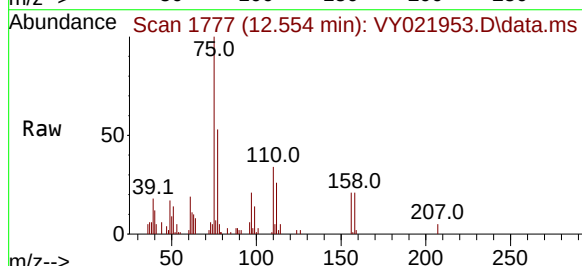
Manual Integrations
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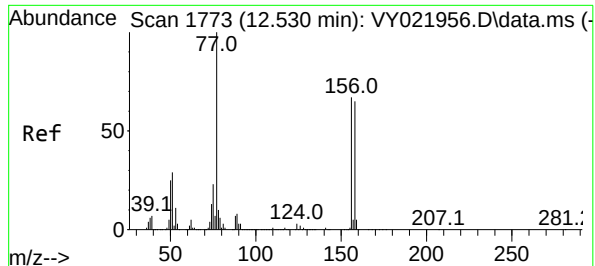
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 5.648 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

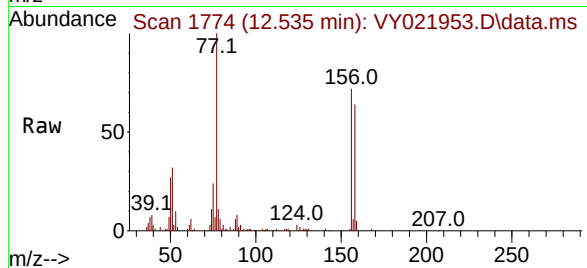
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 5.064 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

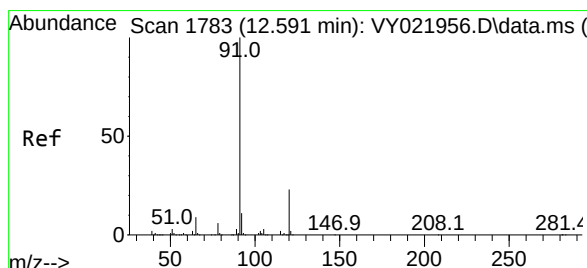
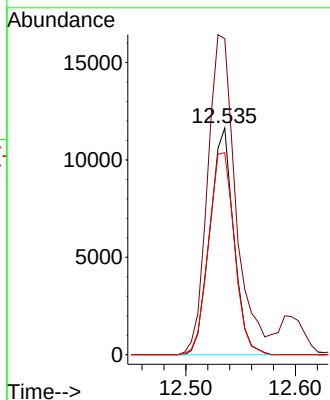
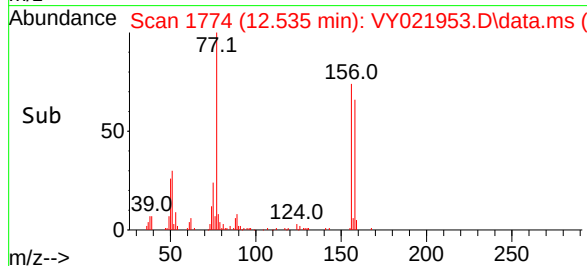
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 156 Resp: 17570
Ion Ratio Lower Upper
156 100
77 165.8 82.7 248.1
158 96.6 48.1 144.4

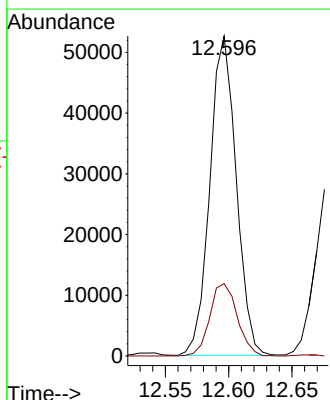
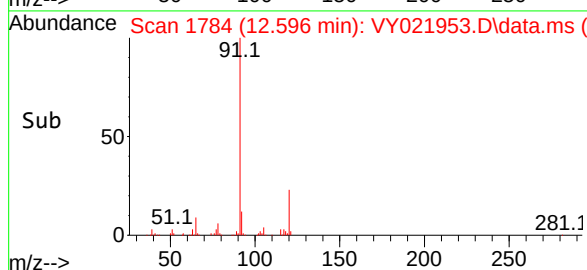
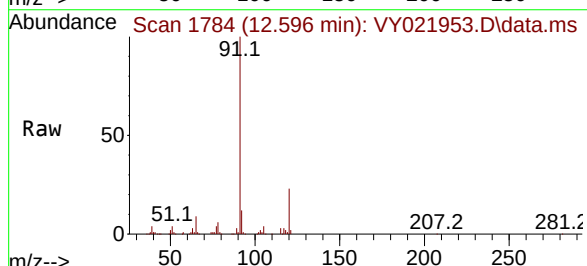
Manual Integrations
APPROVED

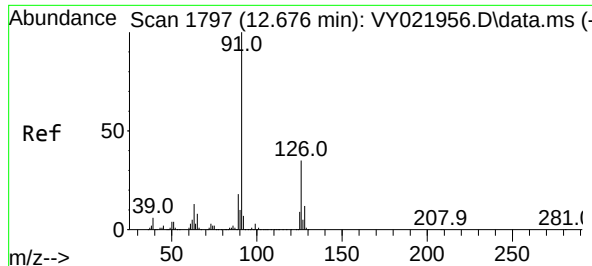
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 4.660 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 76210
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





#79

2-Chlorotoluene

Concen: 4.868 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 46298

Ion Ratio Lower Upper

91 100

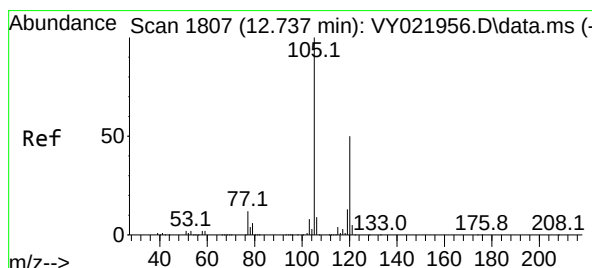
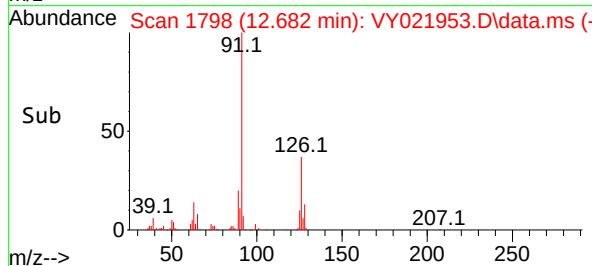
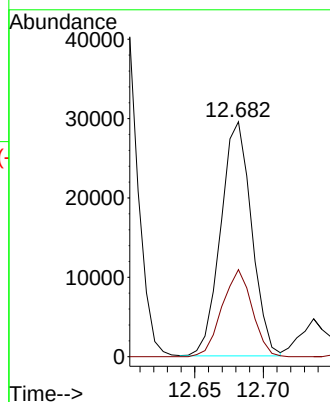
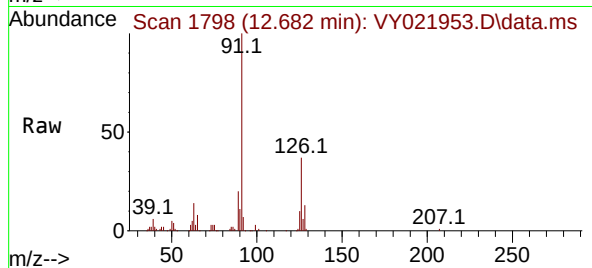
126 36.2 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.481 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021953.D

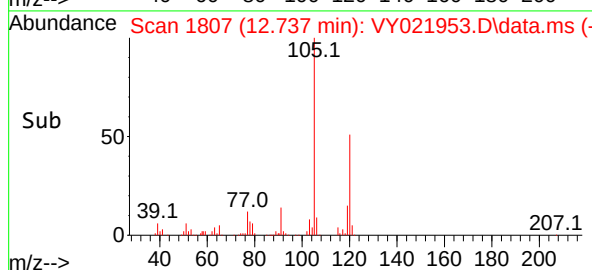
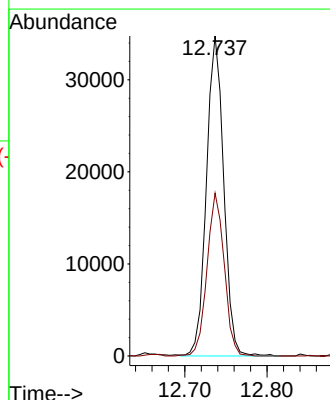
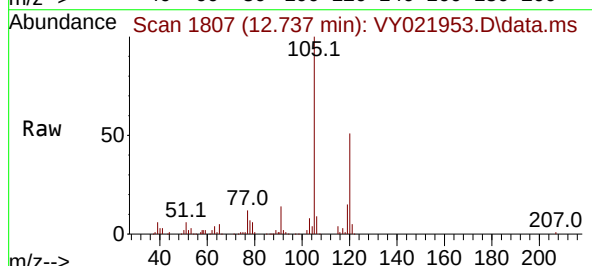
Acq: 22 Apr 2025 13:39

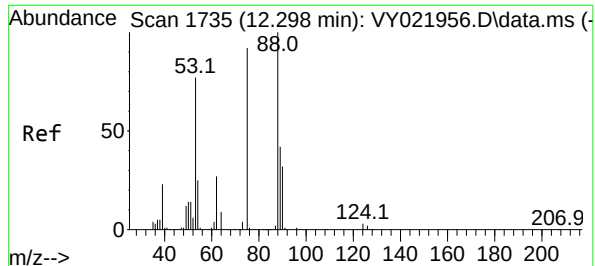
Tgt Ion:105 Resp: 50699

Ion Ratio Lower Upper

105 100

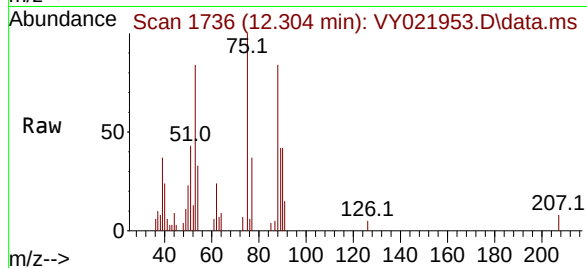
120 50.7 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 5.191 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

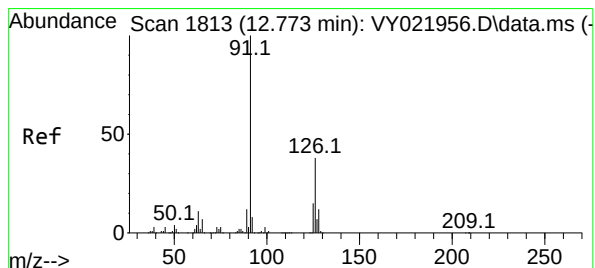
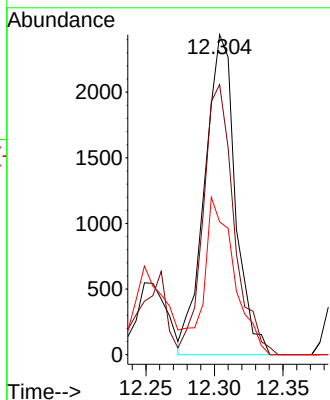
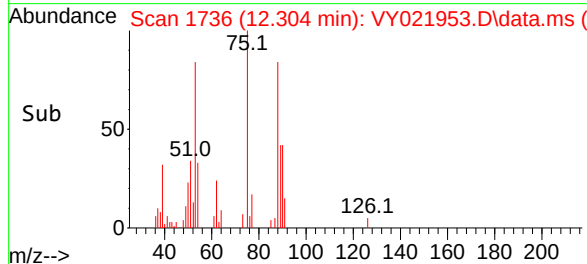
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
53 84.6 66.0 99.0
89 46.9 37.2 55.8

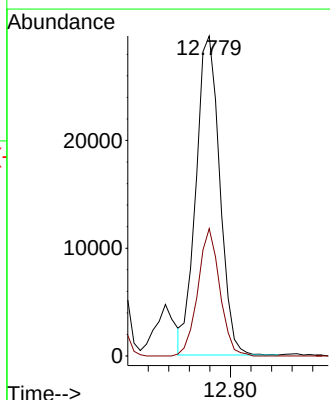
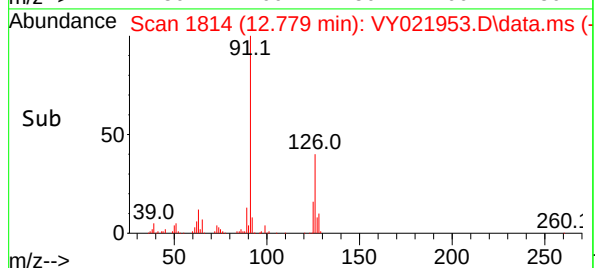
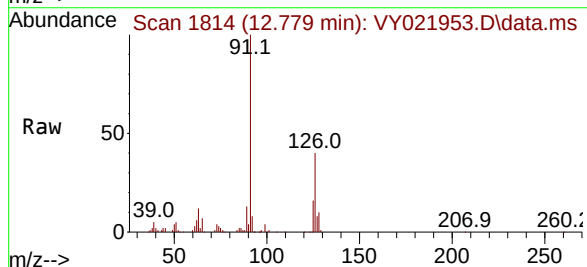
Manual Integrations
APPROVED

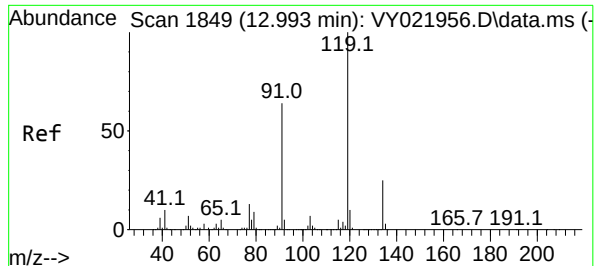
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 4.809 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

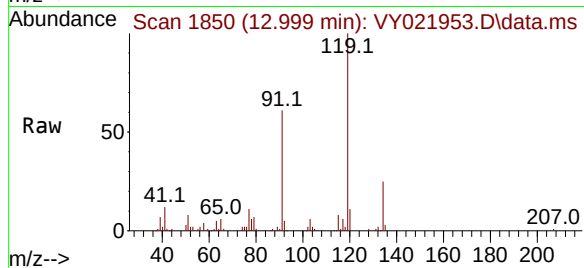
Tgt Ion: 91 Resp: 47541
Ion Ratio Lower Upper
91 100
126 36.9 17.9 53.8





#83
tert-Butylbenzene
Concen: 4.550 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

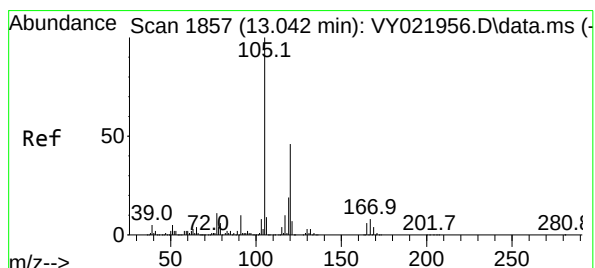
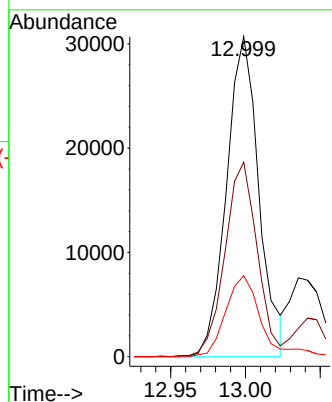
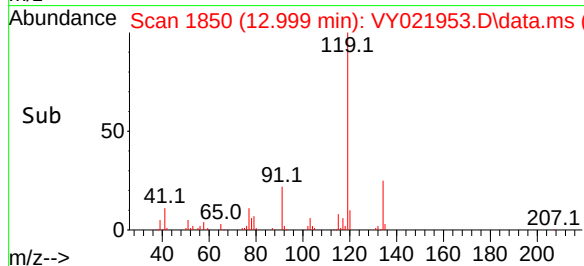
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:119 Resp: 4617
Ion Ratio Lower Upper
119 100
91 60.7 30.3 90.9
134 27.5 12.9 38.7

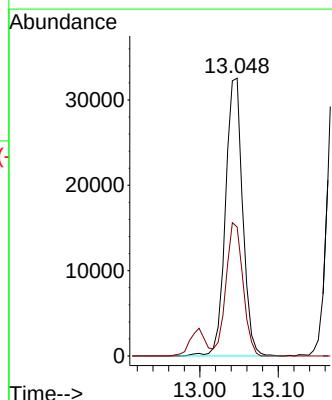
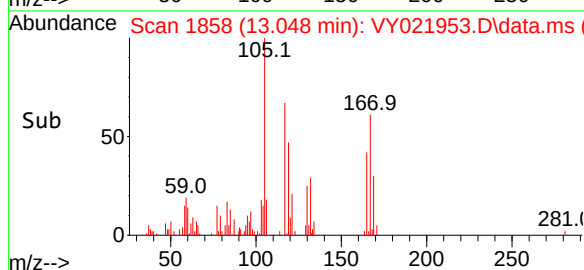
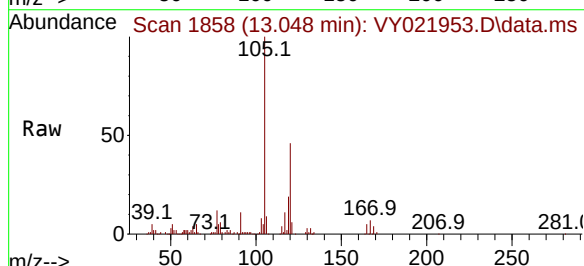
Manual Integrations
APPROVED

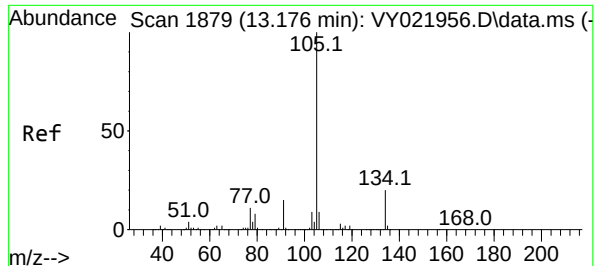
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.387 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 49642
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.0





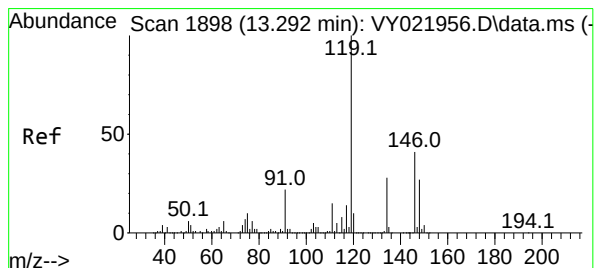
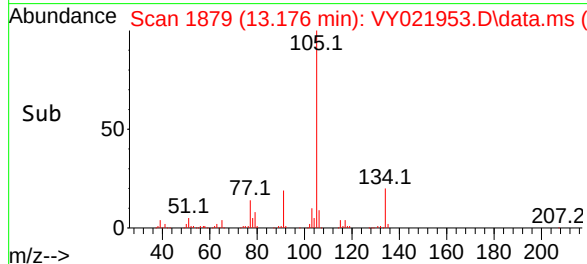
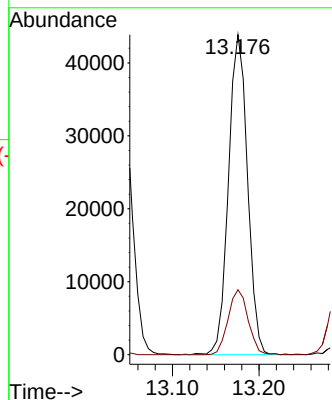
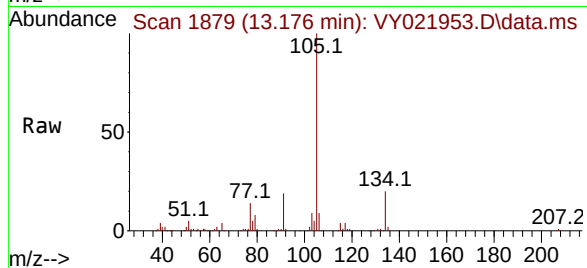
#85
sec-Butylbenzene
Concen: 4.504 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 66872
Ion Ratio Lower Upper
105 100
134 21.3 10.3 30.9

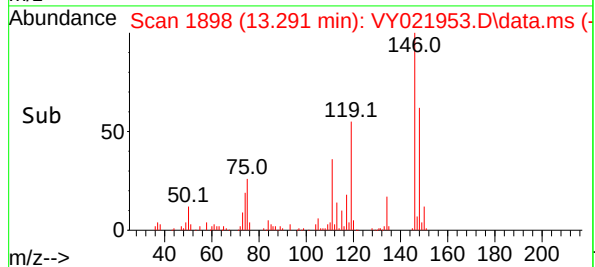
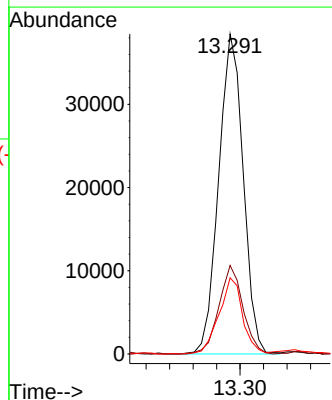
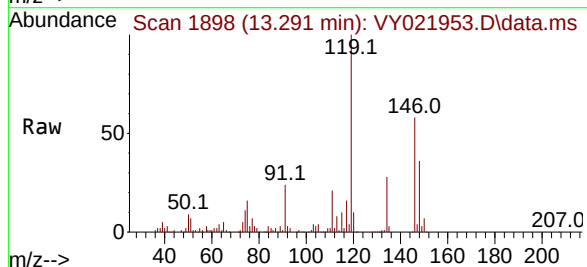
Manual Integrations
APPROVED

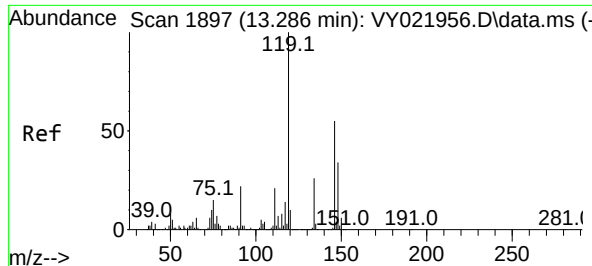
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 4.430 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

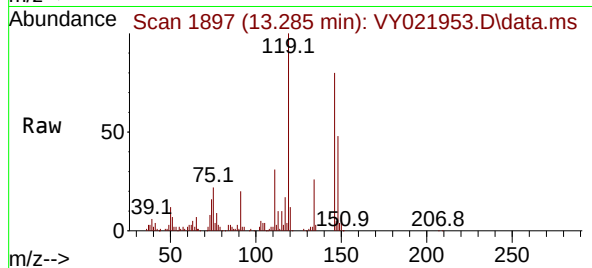
Tgt Ion:119 Resp: 55850
Ion Ratio Lower Upper
119 100
134 27.0 13.6 40.7
91 22.8 11.0 33.0





#87
1,3-Dichlorobenzene
Concen: 5.045 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

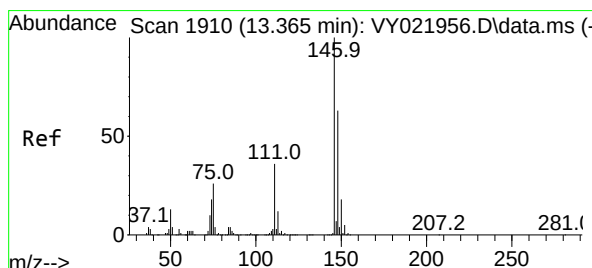
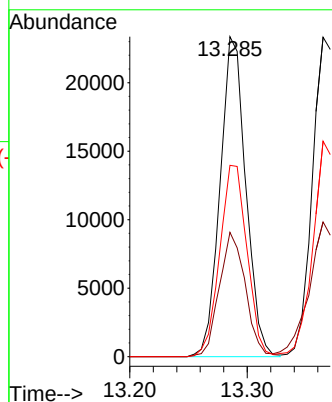
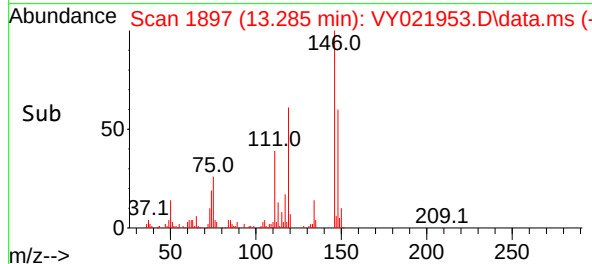
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



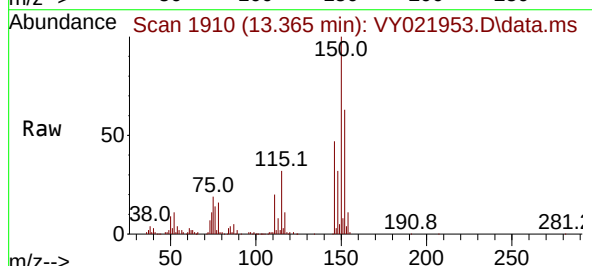
Tgt Ion:146 Resp: 3555
Ion Ratio Lower Upper
146 100
111 39.3 19.1 57.5
148 63.4 32.0 96.2

Manual Integrations
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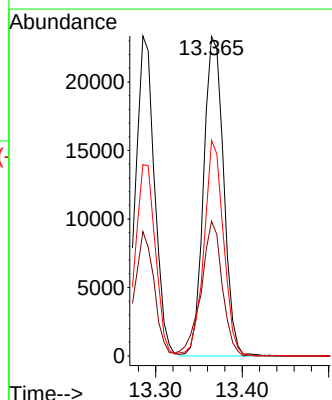
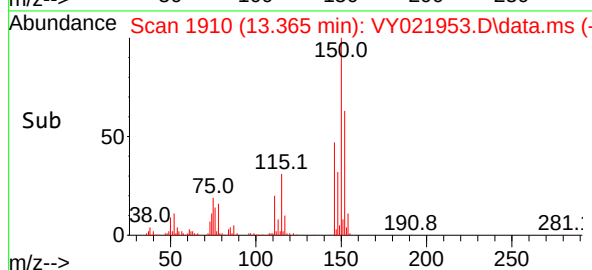
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

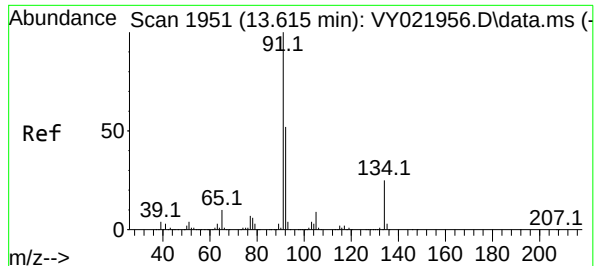


#88
1,4-Dichlorobenzene
Concen: 5.362 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39



Tgt Ion:146 Resp: 37426
Ion Ratio Lower Upper
146 100
111 44.7 19.2 57.6
148 66.0 32.0 96.0





#89

n-Butylbenzene

Concen: 4.518 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

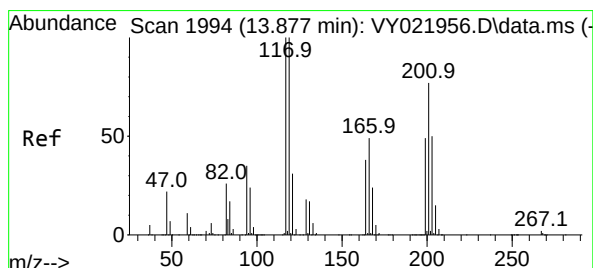
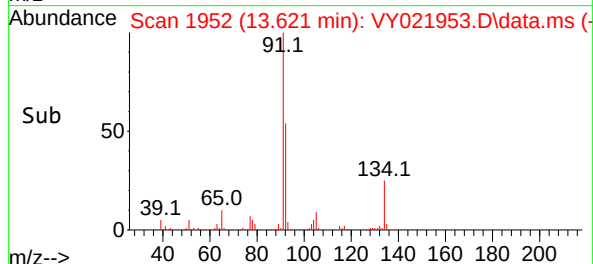
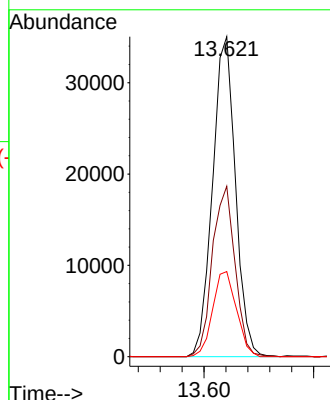
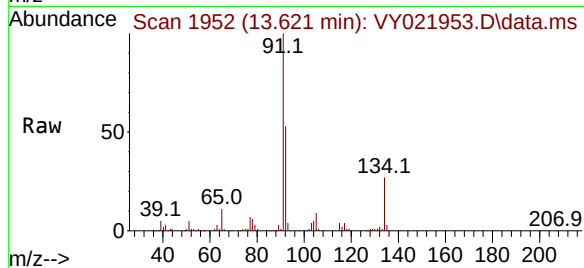
VSTDIC005

Tgt Ion:	91	Resp:	50918
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.7	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 5.308 ug/l

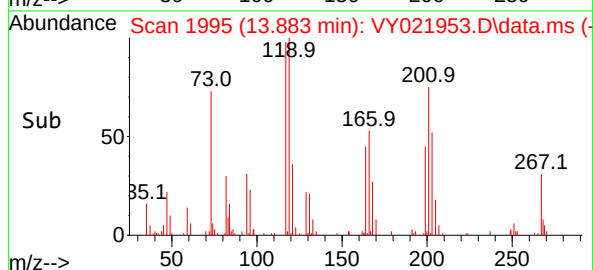
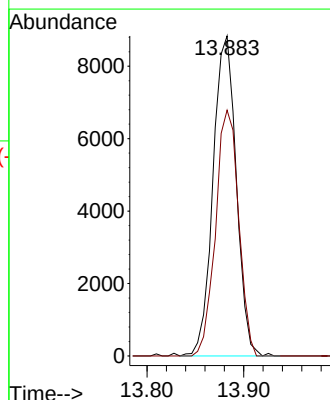
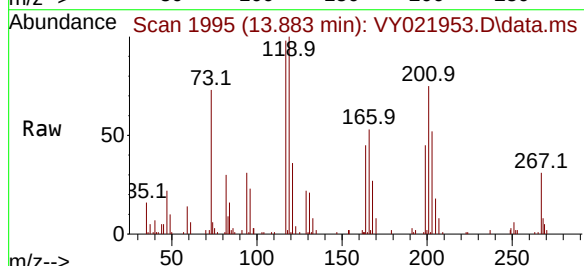
RT: 13.883 min Scan# 1995

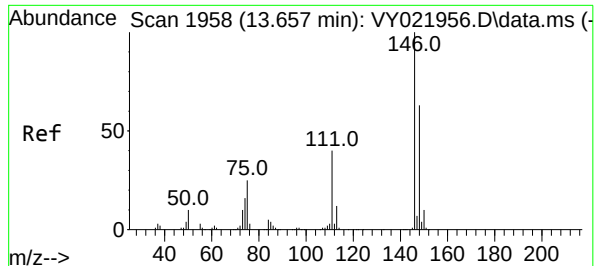
Delta R.T. 0.006 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Tgt Ion:	117	Resp:	14703
Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1





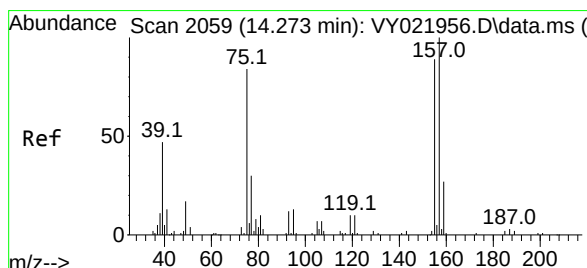
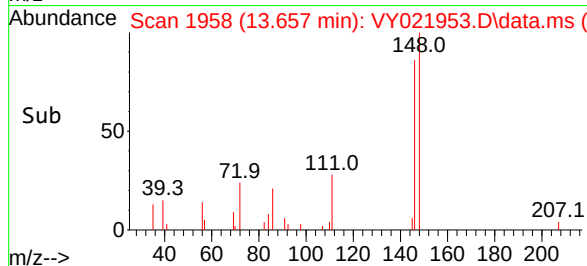
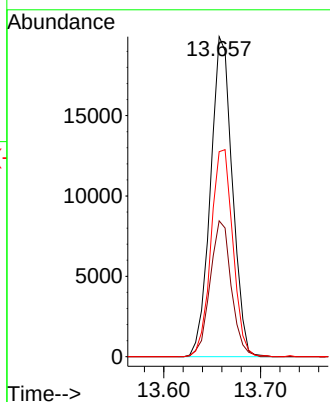
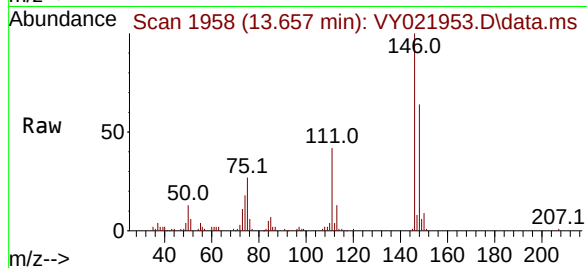
#91
1,2-Dichlorobenzene
Concen: 5.092 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	64.9	32.1	96.3

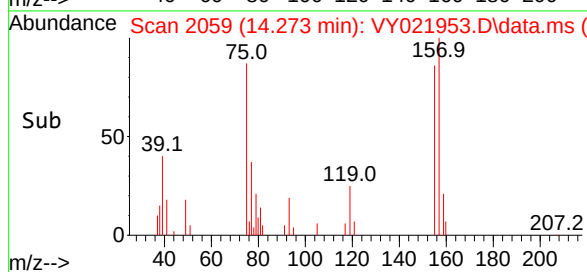
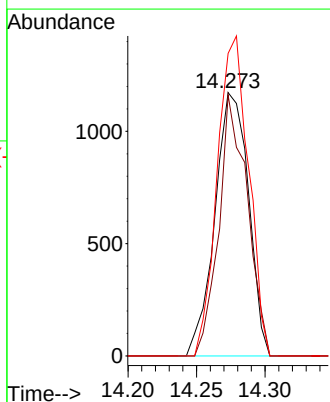
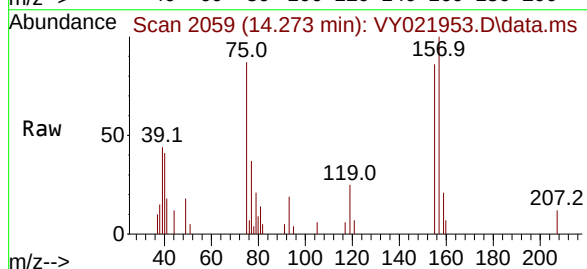
Manual Integrations
APPROVED

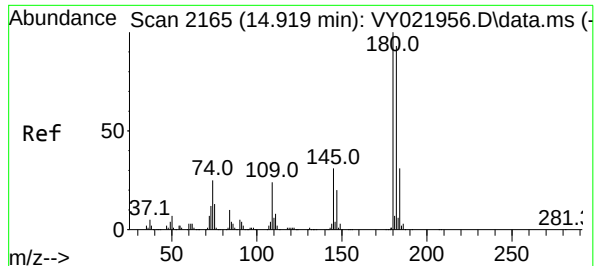
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.430 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.7	152.3
157	113.1	62.6	187.8





#93

1,2,4-Trichlorobenzene

Concen: 4.406 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

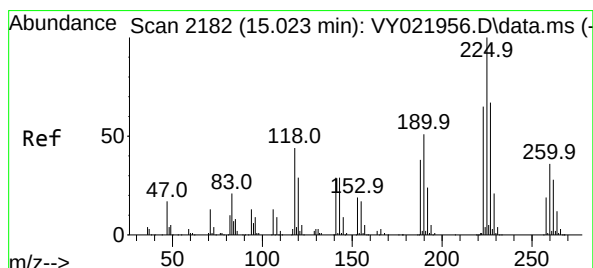
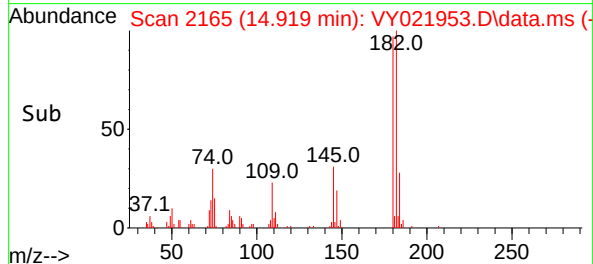
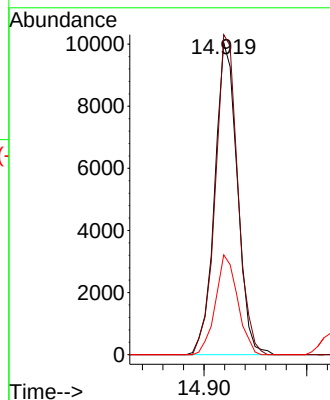
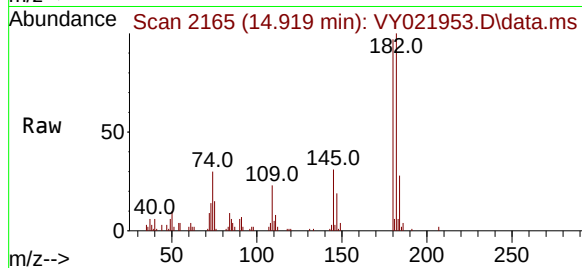
VSTDIC005

Tgt Ion:180	Resp:	15340
Ion Ratio	Lower	Upper
180	100	
182	101.1	47.1 141.4
145	31.3	15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 5.004 ug/l

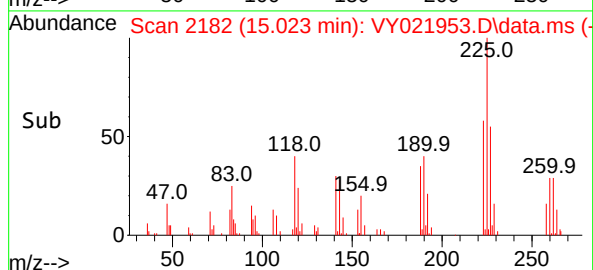
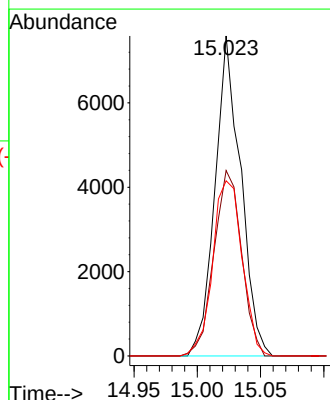
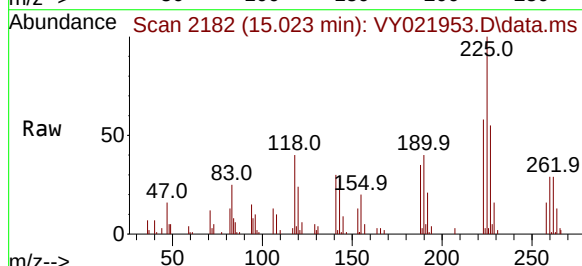
RT: 15.023 min Scan# 2182

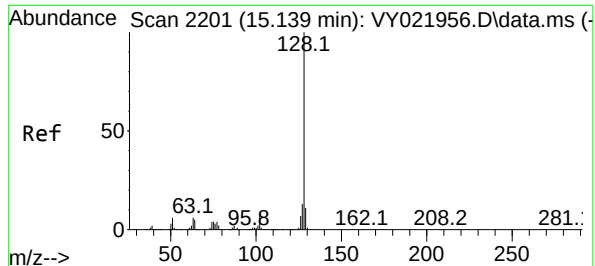
Delta R.T. -0.000 min

Lab File: VY021953.D

Acq: 22 Apr 2025 13:39

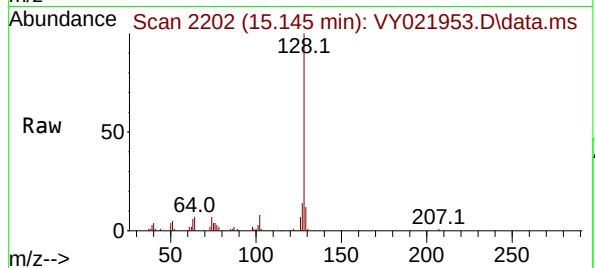
Tgt Ion:225	Resp:	10723
Ion Ratio	Lower	Upper
225	100	
223	62.4	31.9 95.5
227	62.9	32.3 96.9





#95
Naphthalene
Concen: 4.212 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

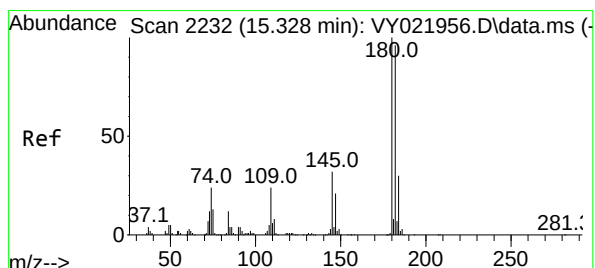
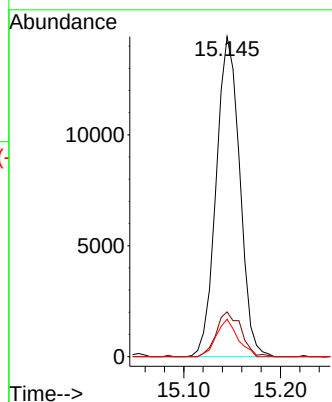
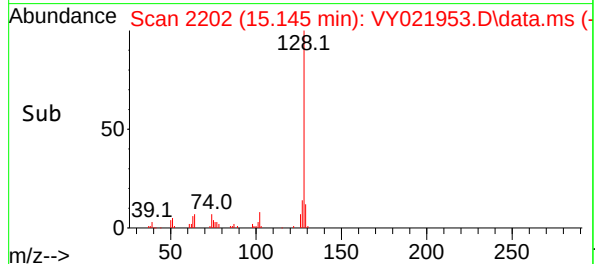
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 24368
Ion Ratio Lower Upper
128 100
127 14.8 10.6 16.0
129 10.6 8.9 13.3

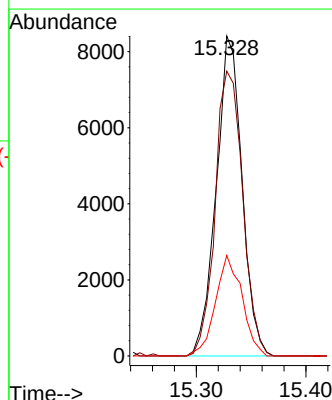
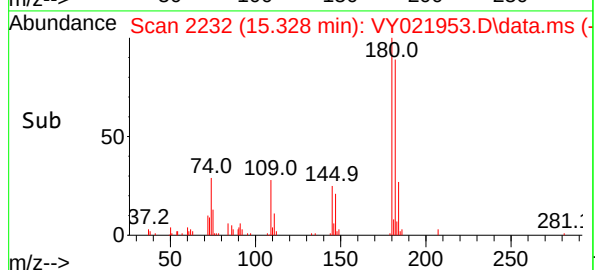
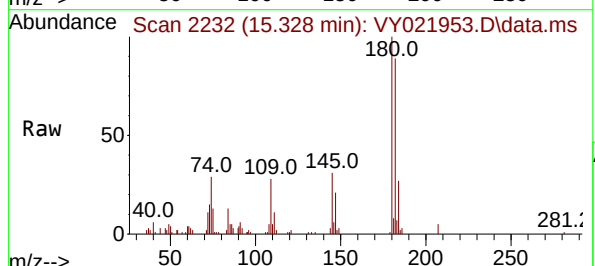
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.585 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:180 Resp: 13785
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.4
145 32.3 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l	
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l	99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l	98
44) Trichloroethene	8.865	130	37414	10.534	ug/l	91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l	98
46) Dibromomethane	9.231	93	17848	10.055	ug/l	98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l	97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l	97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l	98
52) Toluene	10.170	92	84571	10.189	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l	98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l	98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l	98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l	97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l	99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l	99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l	99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l	99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l	96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l	100
69) o-Xylene	11.956	106	53458	9.521	ug/l	98
70) Styrene	11.969	104	90382	9.588	ug/l	99
71) Bromoform	12.133	173	18480	9.648	ug/l #	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l	100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l	
77) Bromobenzene	12.529	156	36127	9.845	ug/l	97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l	98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l	98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l	100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l	100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l	100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l	98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l	99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l	83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l	98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l	98
95) Naphthalene	15.145	128	48366	7.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

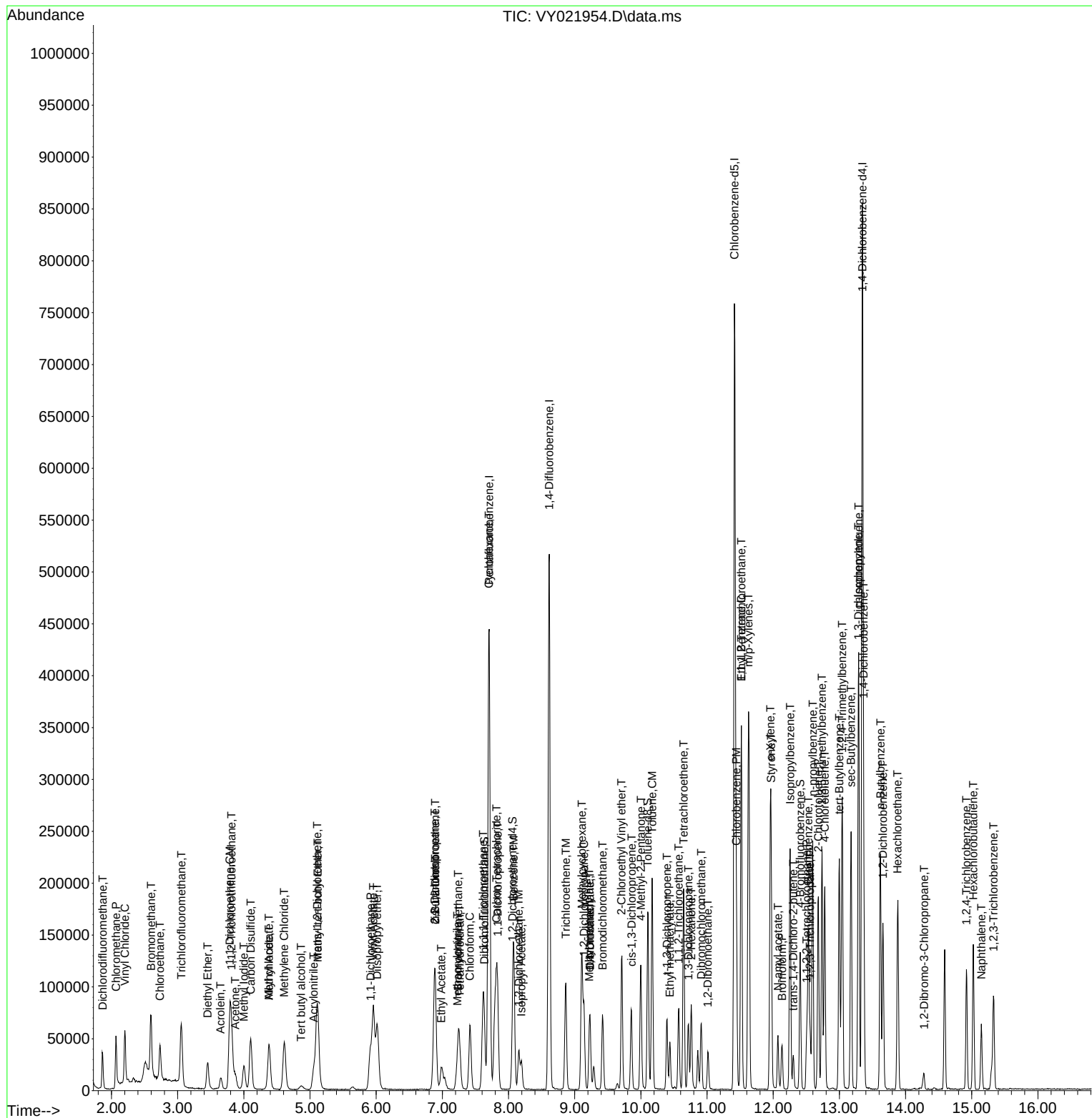
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

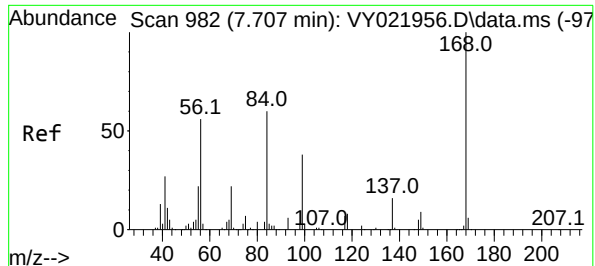
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Manual Integrations

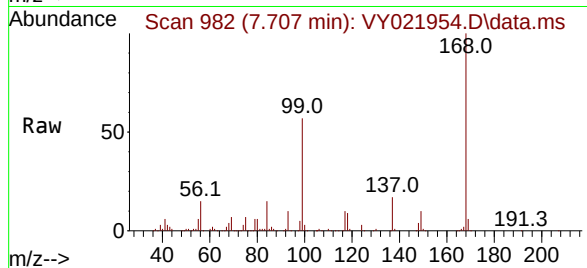
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

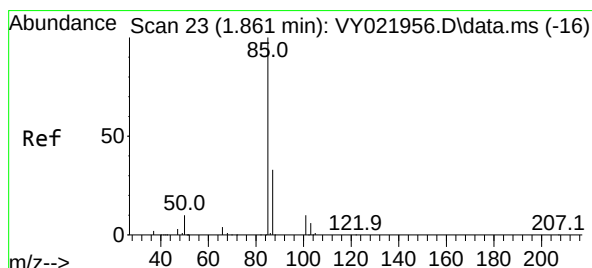
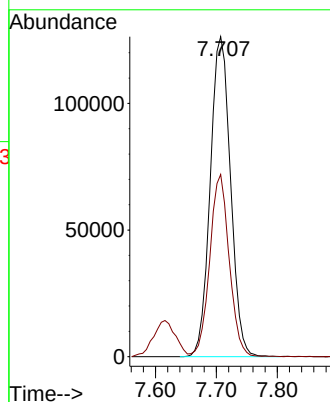
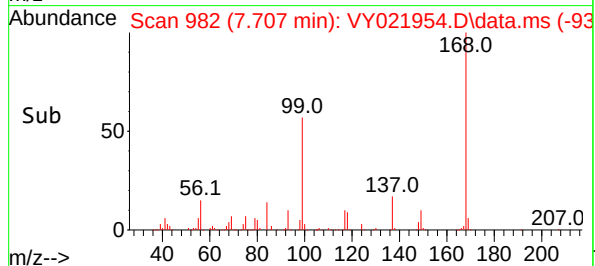
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 292090
Ion Ratio Lower Upper
168 100
99 56.9 43.1 64.7

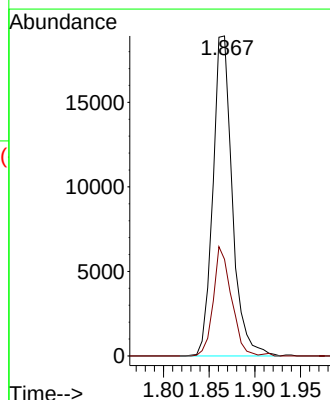
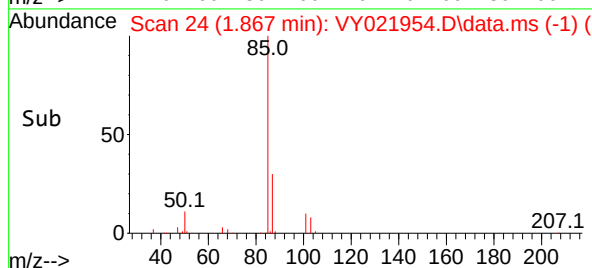
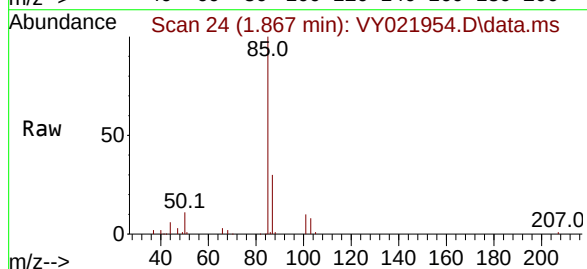
Manual Integrations
APPROVED

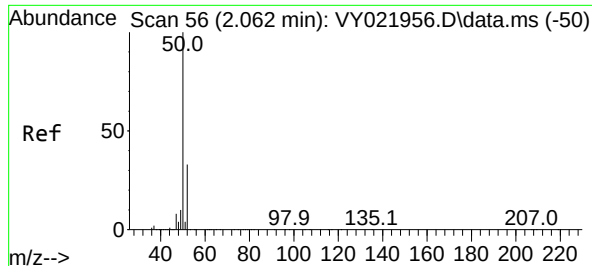
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 11.202 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

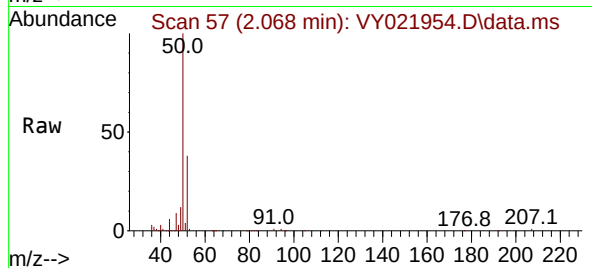
Tgt Ion: 85 Resp: 27882
Ion Ratio Lower Upper
85 100
87 30.2 16.6 49.7





#3
Chloromethane
Concen: 11.052 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

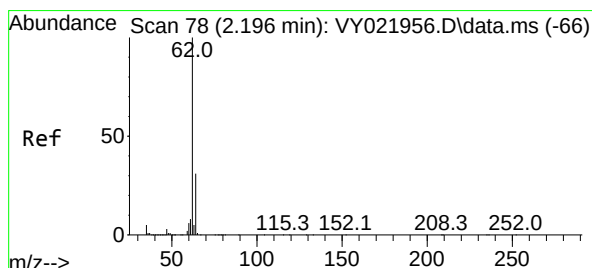
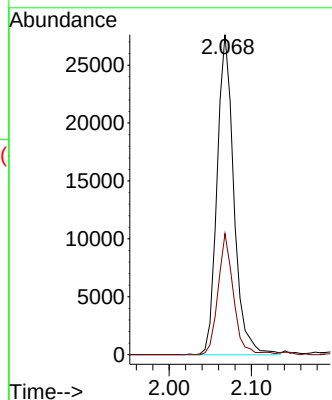
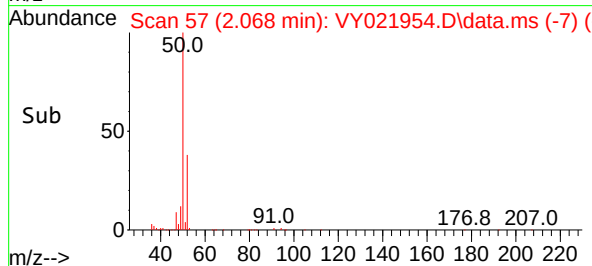
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 39169
Ion Ratio Lower Upper
50 100
52 37.8 26.1 39.1

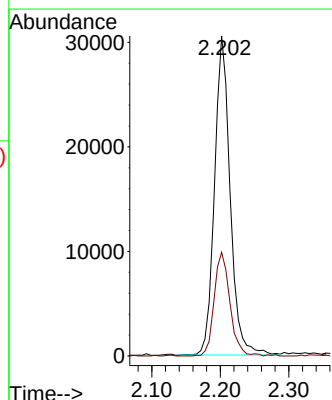
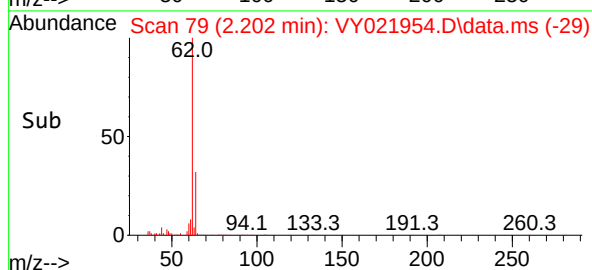
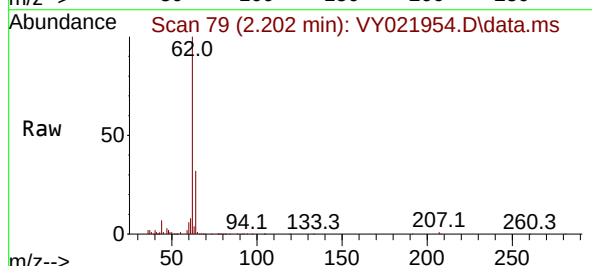
Manual Integrations
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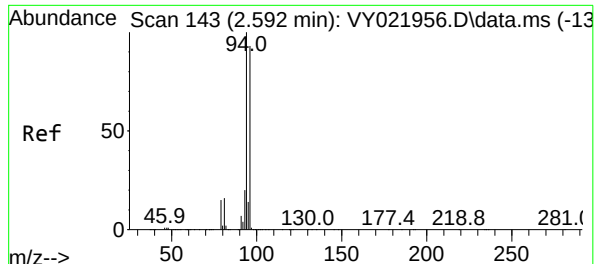
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 11.131 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 48475
Ion Ratio Lower Upper
62 100
64 32.5 25.1 37.7





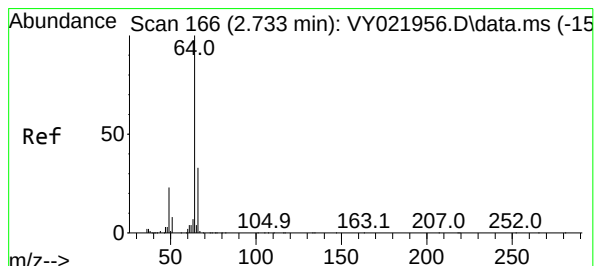
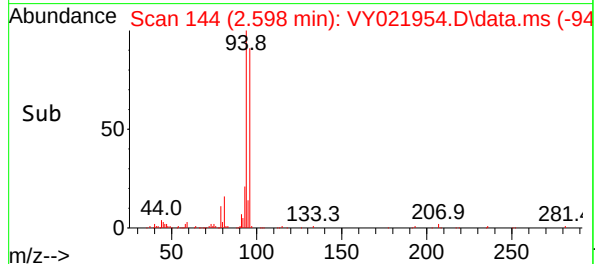
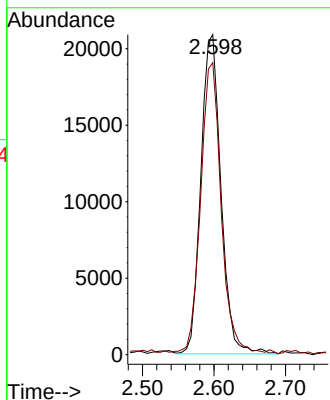
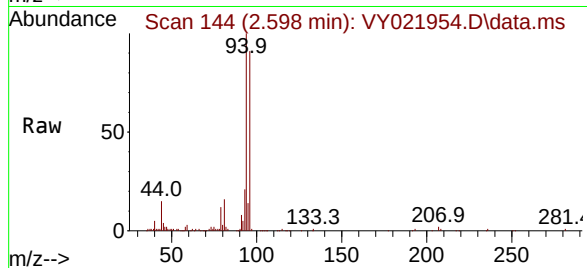
#5
Bromomethane
Concen: 10.859 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 4074
Ion Ratio Lower Upper
94 100
96 91.1 74.6 111.8

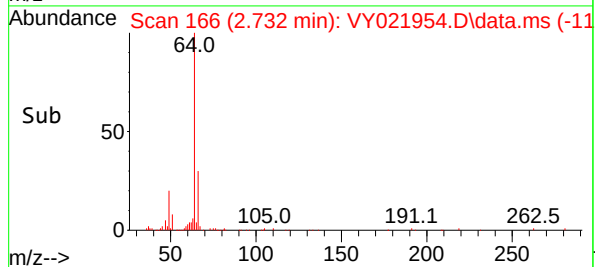
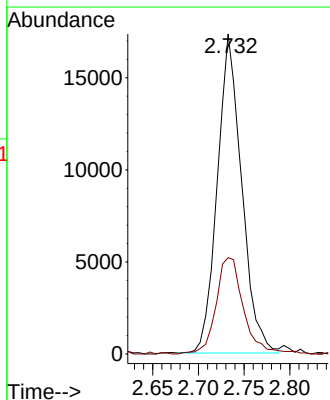
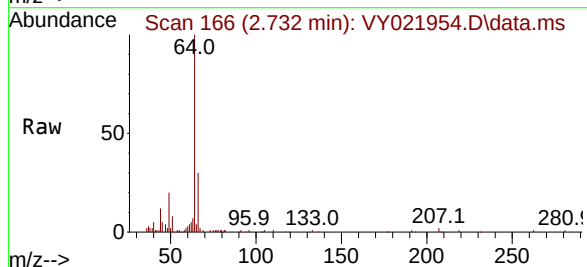
Manual Integrations
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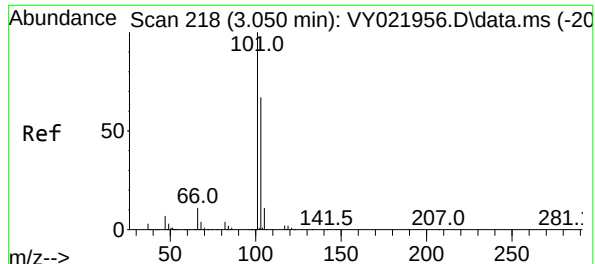
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 10.830 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

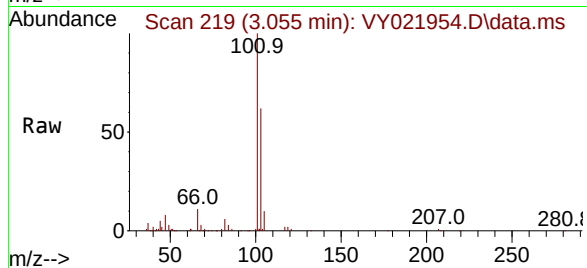
Tgt Ion: 64 Resp: 32122
Ion Ratio Lower Upper
64 100
66 30.2 26.2 39.4





#7
Trichlorofluoromethane
Concen: 10.939 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

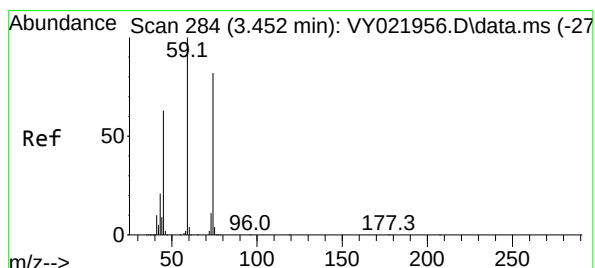
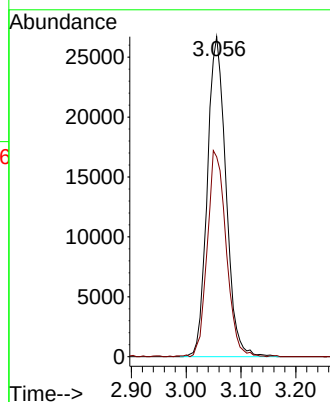
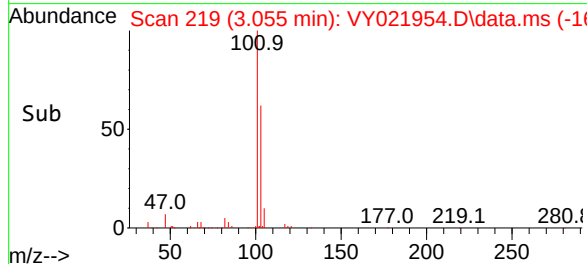
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 62819
Ion Ratio Lower Upper
101 100
103 62.4 53.6 80.4

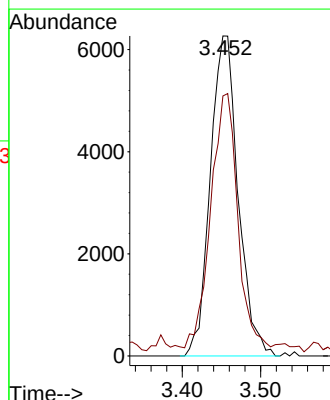
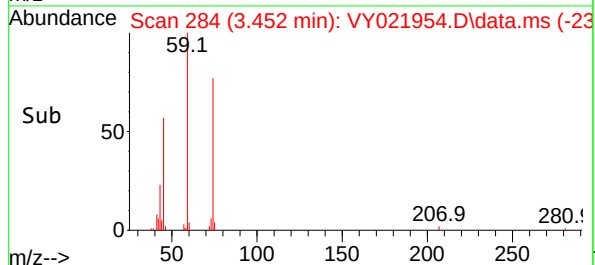
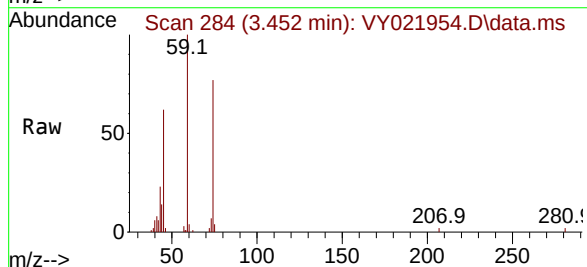
Manual Integrations
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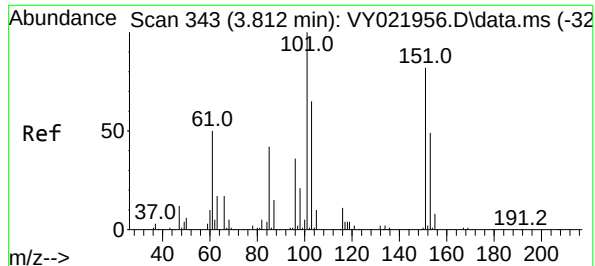
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 10.381 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 74 Resp: 15517
Ion Ratio Lower Upper
74 100
45 76.1 39.1 117.5





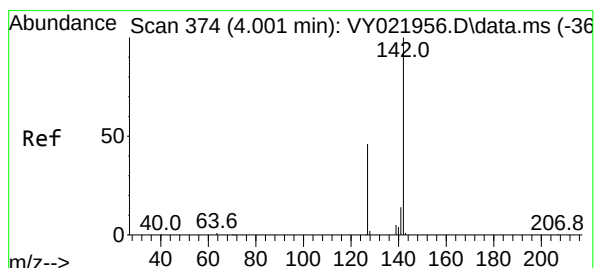
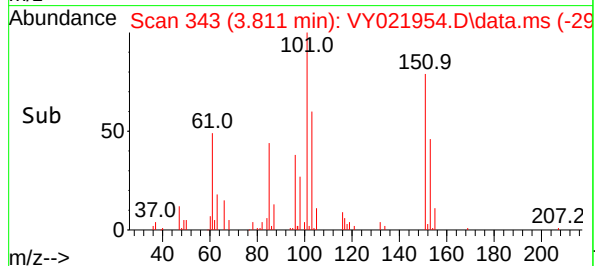
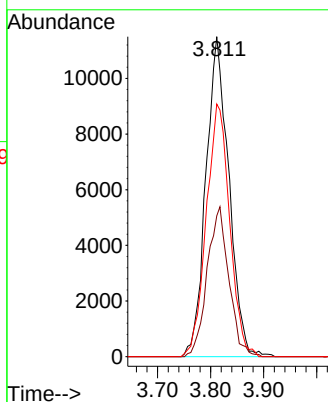
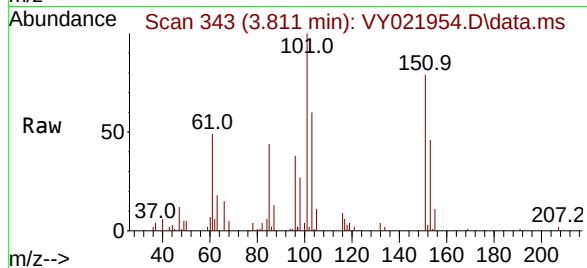
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1,1,2-Trichlorotrifluoroethane
Concen: 11.088 ug/l
RT: 3.811 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 3454
Ion Ratio Lower Upper
101 100
85 44.3 34.6 51.8
151 80.6 63.7 95.5

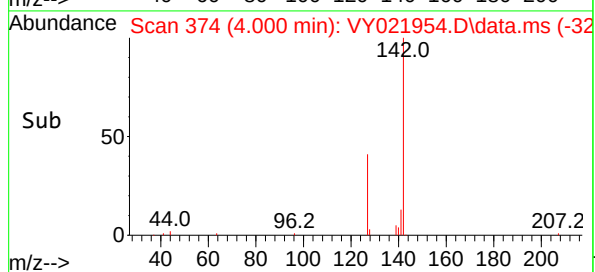
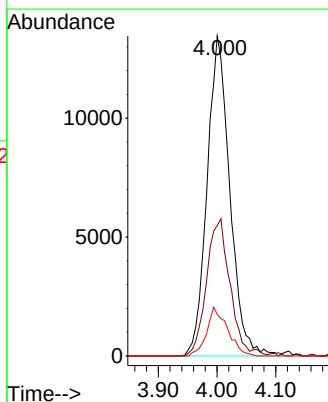
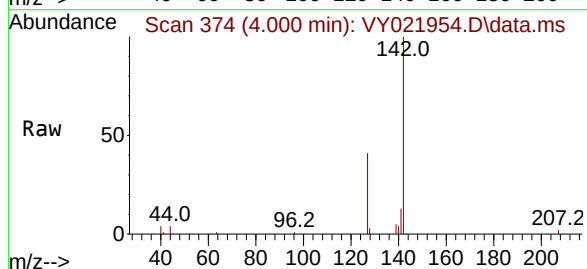
Manual Integrations
APPROVED

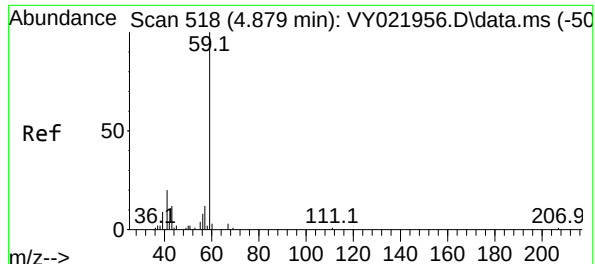
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 10.021 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:142 Resp: 36146
Ion Ratio Lower Upper
142 100
127 44.3 36.2 54.2
141 14.0 11.7 17.5





#11

Tert butyl alcohol

Concen: 47.846 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 708

Ion Ratio Lower Upper

59 100

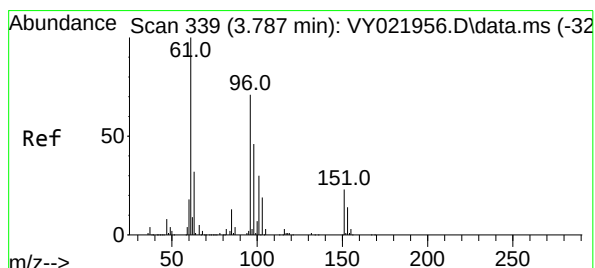
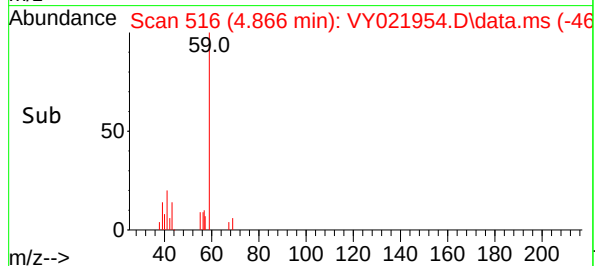
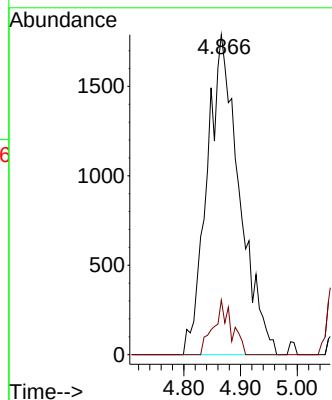
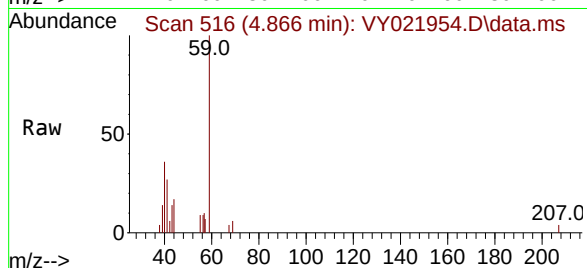
57 9.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 10.701 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

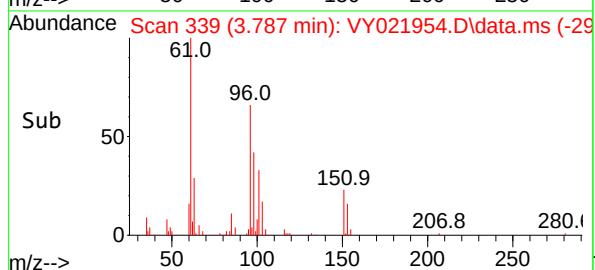
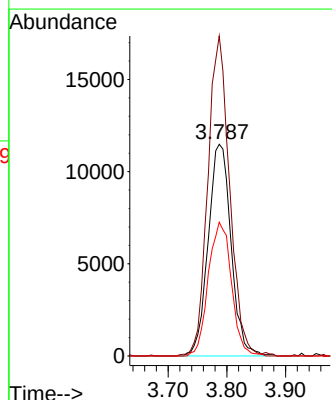
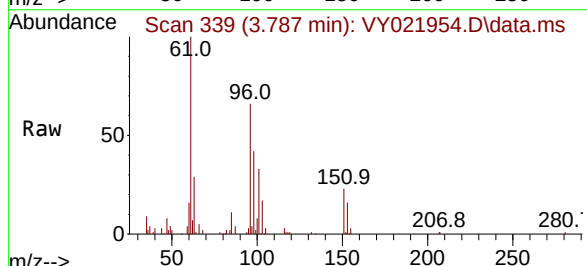
Tgt Ion: 96 Resp: 31073

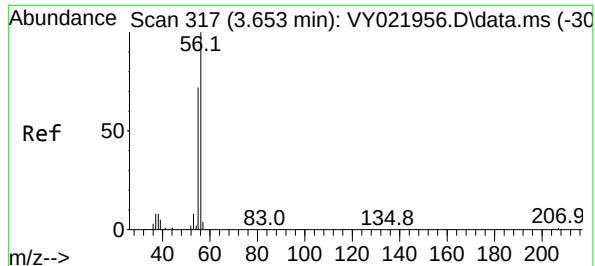
Ion Ratio Lower Upper

96 100

61 151.2 113.0 169.4

98 63.2 51.4 77.2





#13

Acrolein

Concen: 49.243 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 1309

Ion Ratio Lower Upper

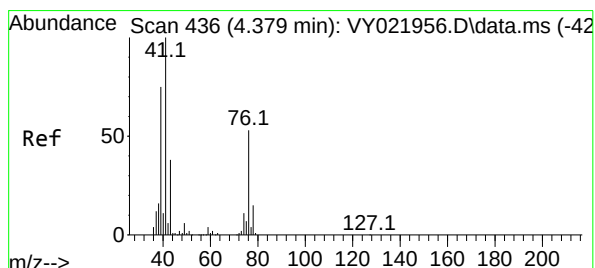
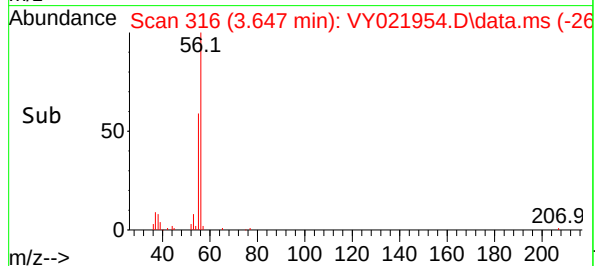
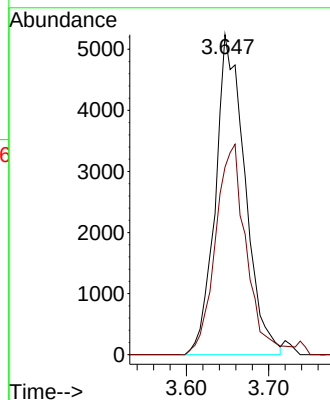
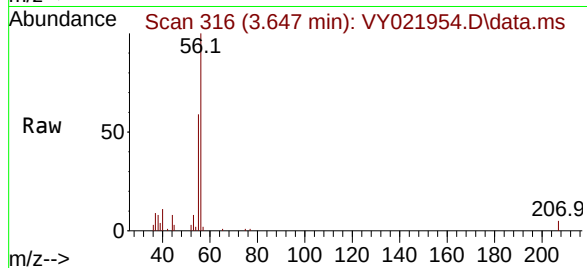
56 100

55 68.5 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 10.487 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

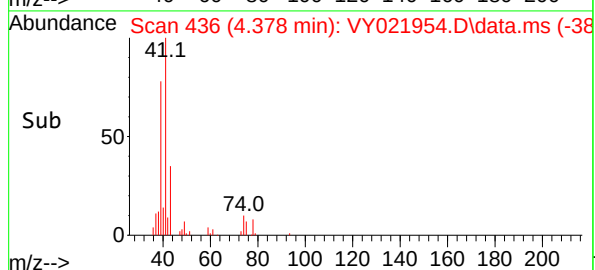
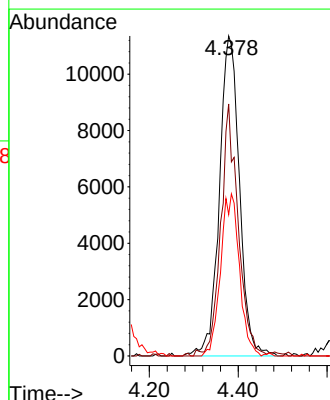
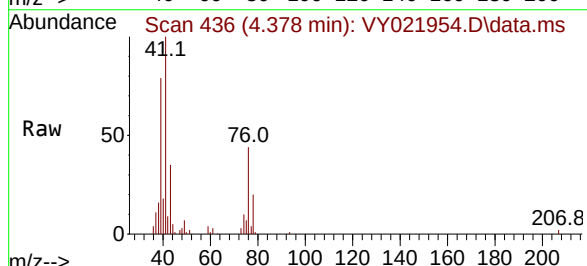
Tgt Ion: 41 Resp: 35457

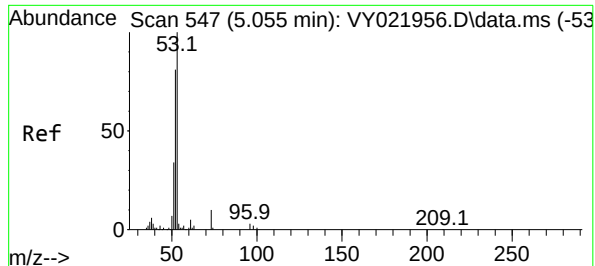
Ion Ratio Lower Upper

41 100

39 68.6 57.2 85.8

76 47.6 39.7 59.5





#15

Acrylonitrile

Concen: 48.088 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

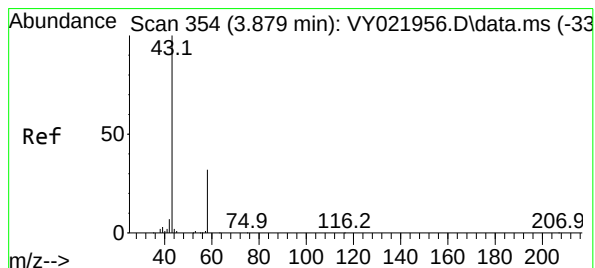
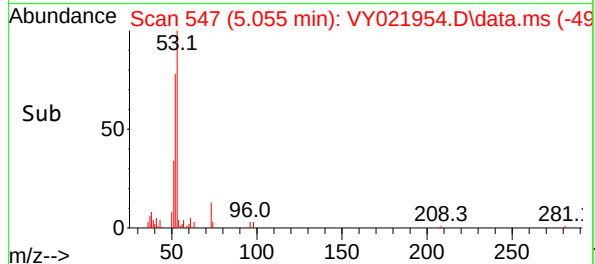
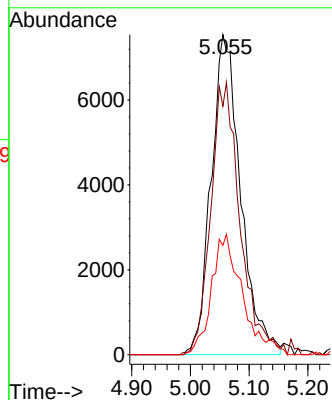
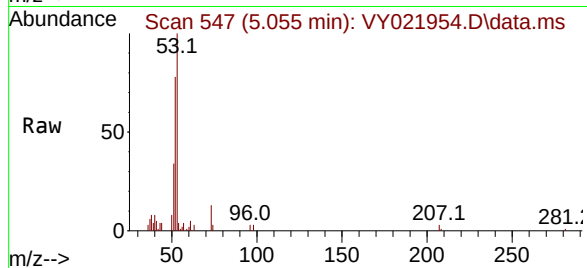
VSTDICC010

Tgt Ion:	53	Resp:	26314
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.0	97.6
51	39.3	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 52.492 ug/l

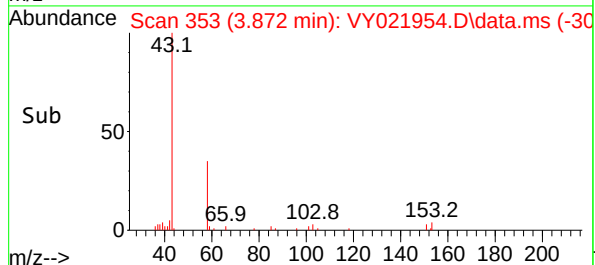
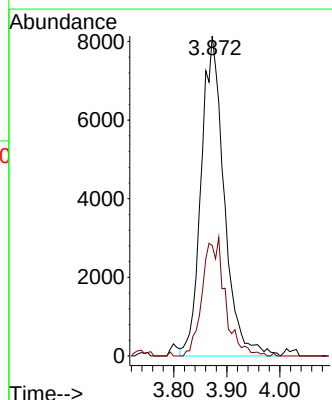
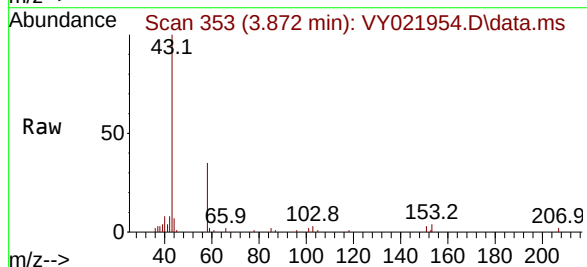
RT: 3.872 min Scan# 353

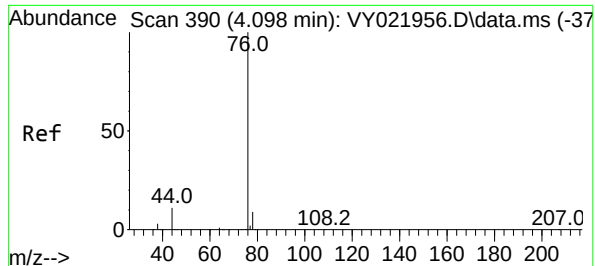
Delta R.T. -0.007 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

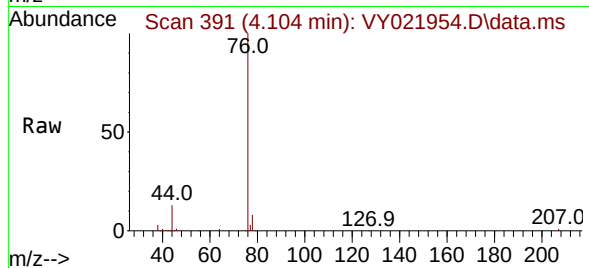
Tgt Ion:	43	Resp:	24497
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4





#17
Carbon Disulfide
Concen: 10.962 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

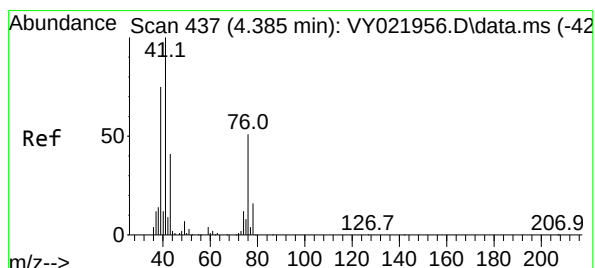
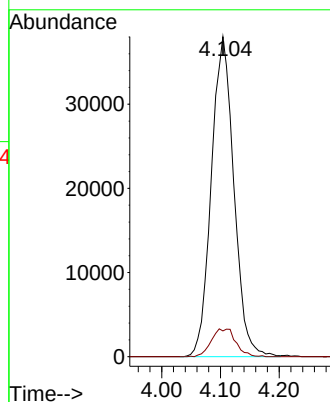
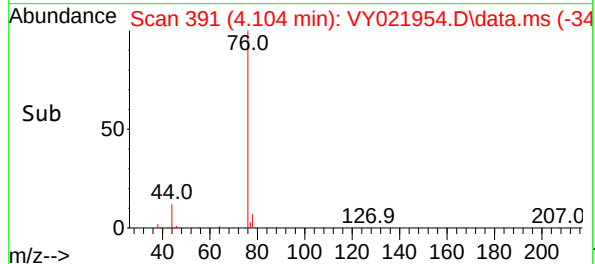
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 76 Resp: 101490
Ion Ratio Lower Upper
76 100
78 8.0 7.6 11.4

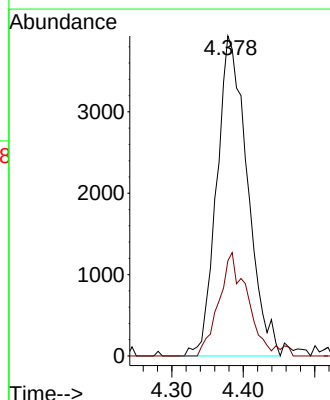
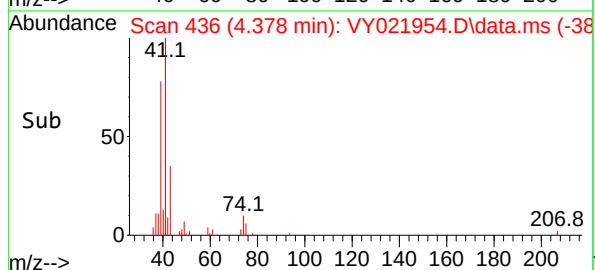
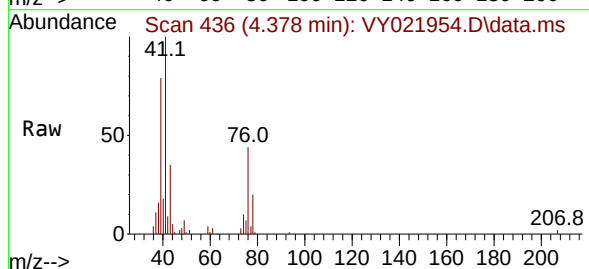
Manual Integrations
APPROVED

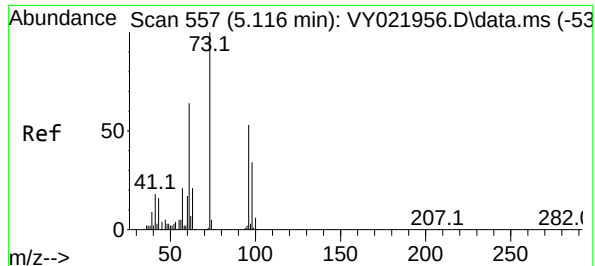
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 9.273 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 11687
Ion Ratio Lower Upper
43 100
74 29.9 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 9.587 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 62300

Ion Ratio Lower Upper

73 100

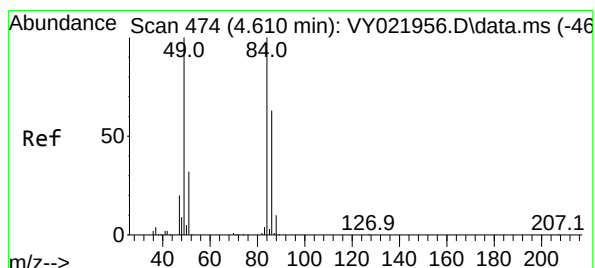
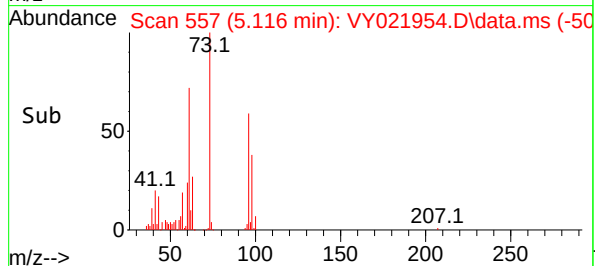
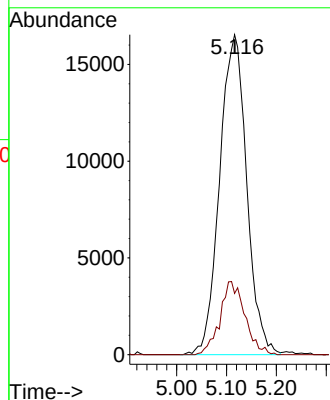
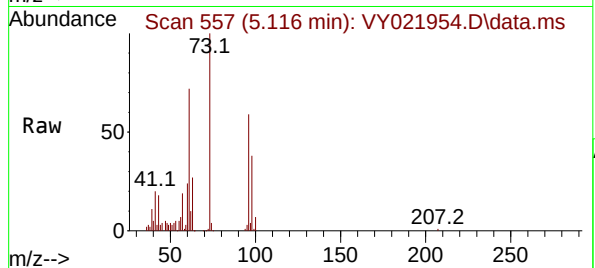
57 19.2 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 10.710 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 84 Resp: 36539

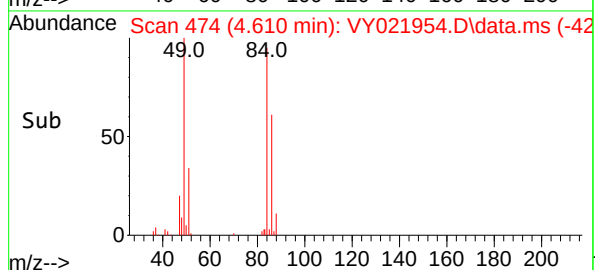
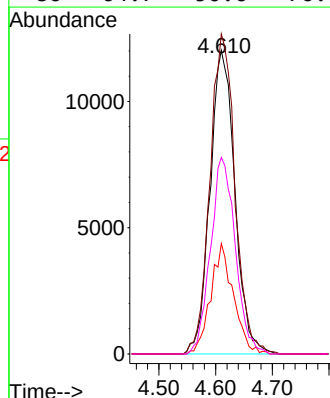
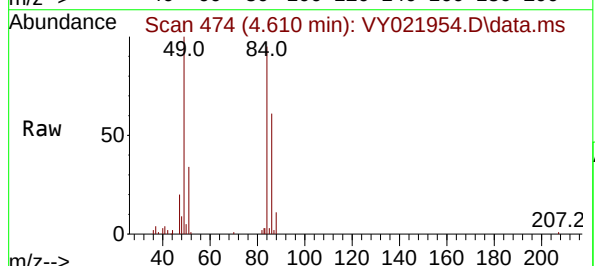
Ion Ratio Lower Upper

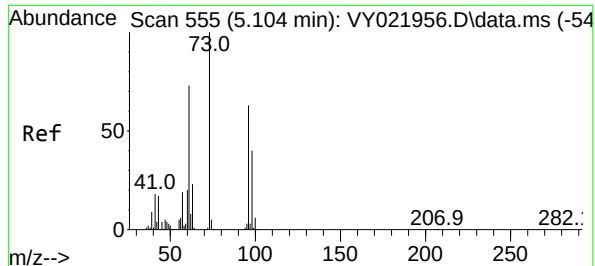
84 100

49 105.4 79.9 119.9

51 36.3 25.4 38.0

86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 10.379 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 3375

Ion Ratio Lower Upper

96 100

61 117.9 92.6 138.8

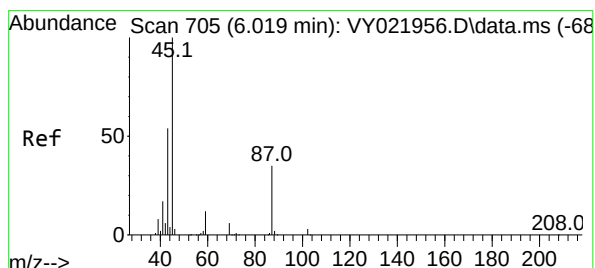
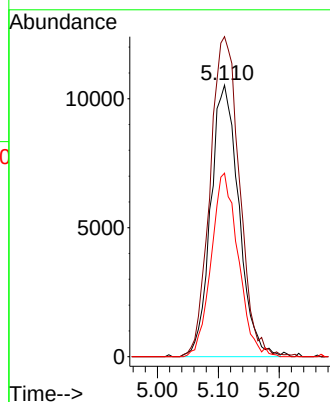
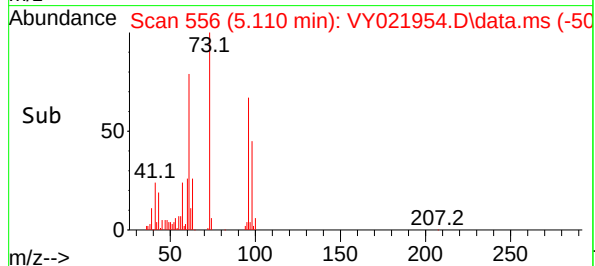
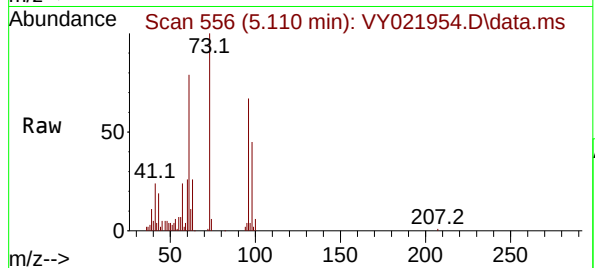
98 67.6 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 10.028 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 45 Resp: 75451

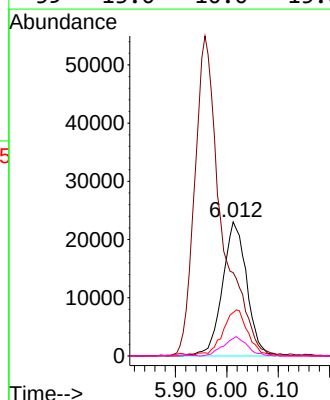
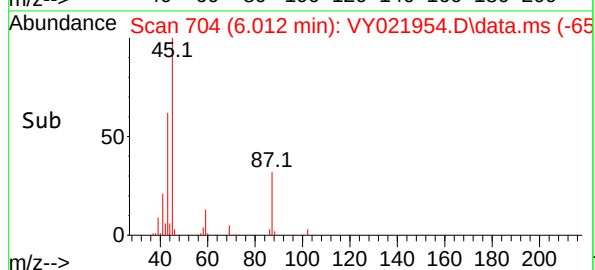
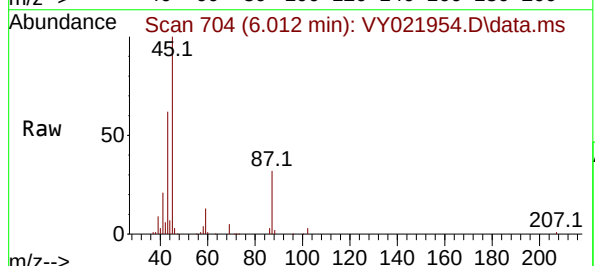
Ion Ratio Lower Upper

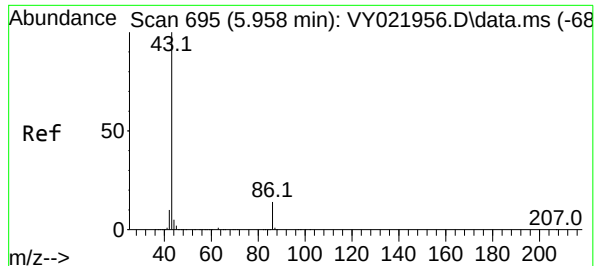
45 100

43 60.5 43.6 65.4

87 32.4 28.2 42.4

59 13.0 10.0 15.0





#23

Vinyl Acetate

Concen: 49.260 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 19975

Ion Ratio Lower Upper

43

100

86

14.3

11.1

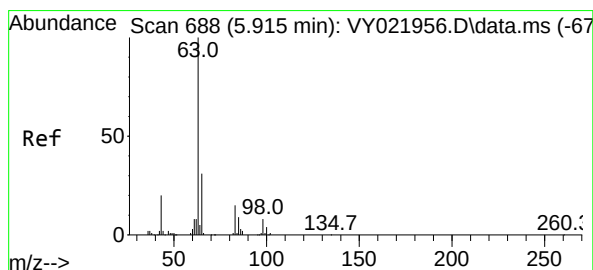
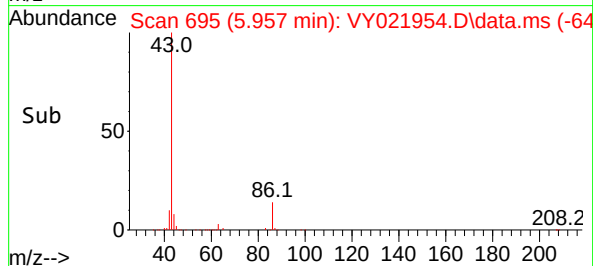
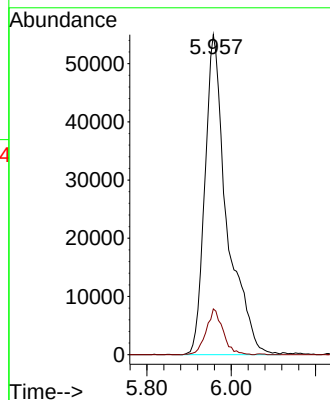
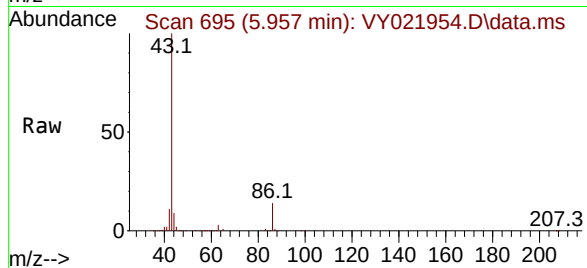
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 10.558 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 55067

Ion Ratio Lower Upper

63

100

98

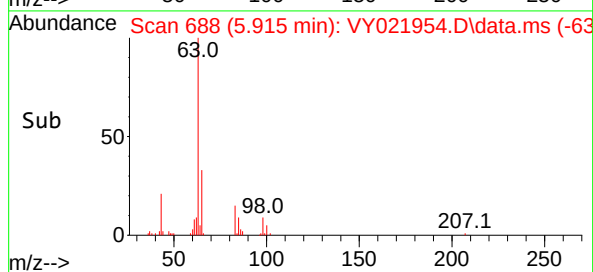
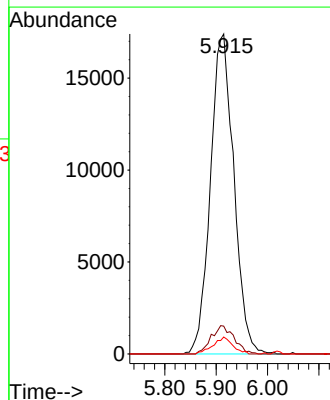
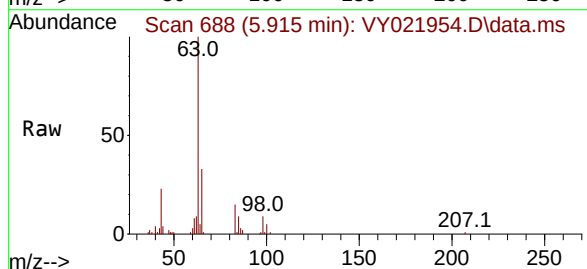
8.7

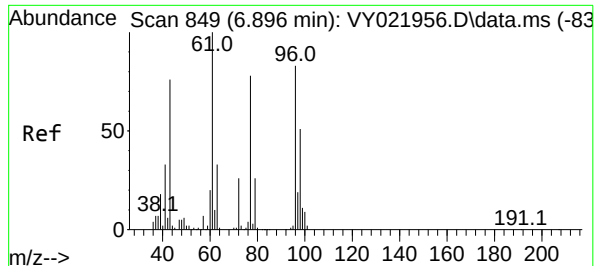
100

5.3

2.0

6.0





#25

2-Butanone

Concen: 50.973 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 31349

Ion Ratio Lower Upper

43 100

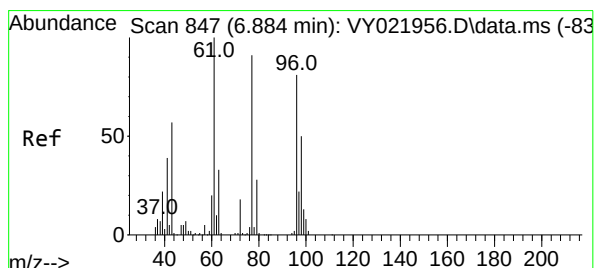
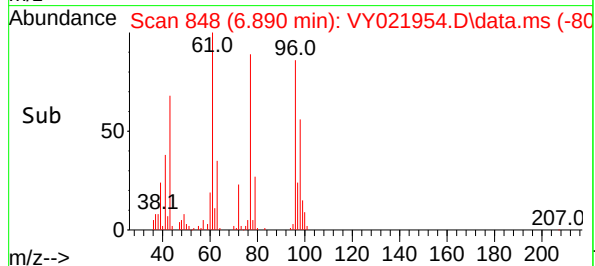
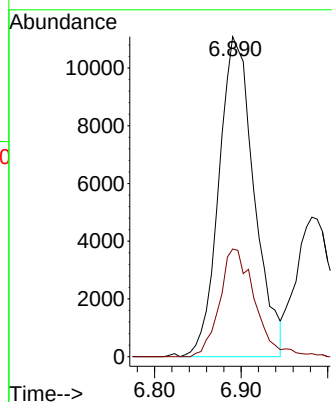
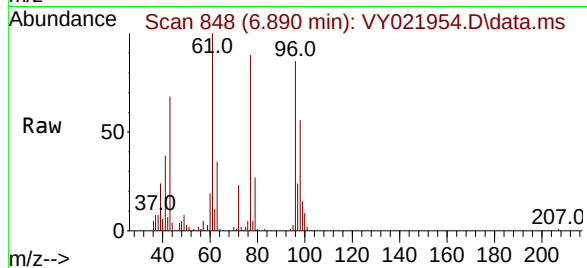
72 33.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 10.610 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021954.D

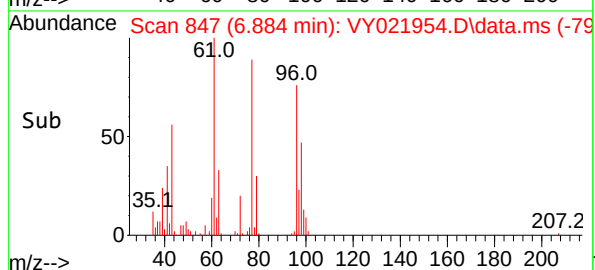
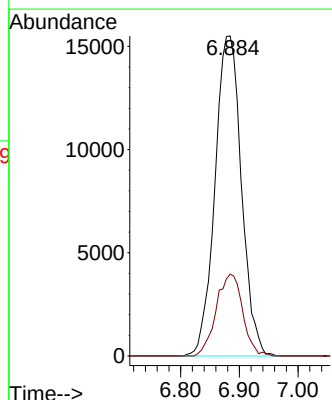
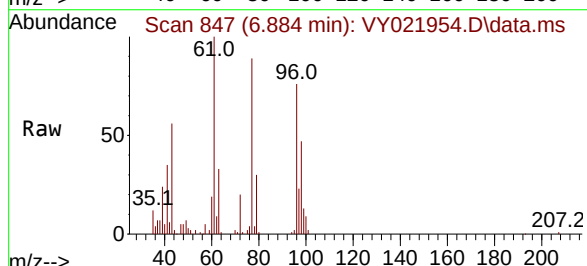
Acq: 22 Apr 2025 14:44

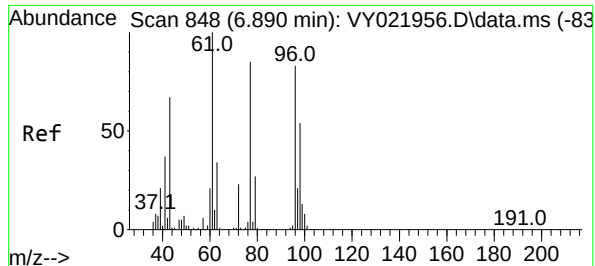
Tgt Ion: 77 Resp: 48501

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 10.253 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 3728

Ion Ratio Lower Upper

96 100

61 126.6 0.0 251.4

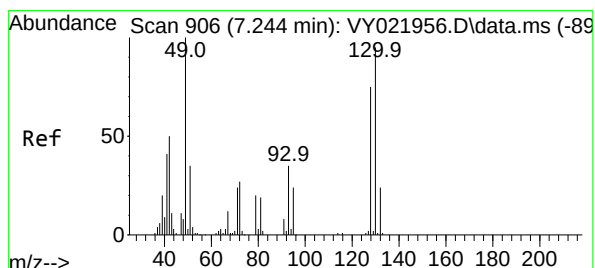
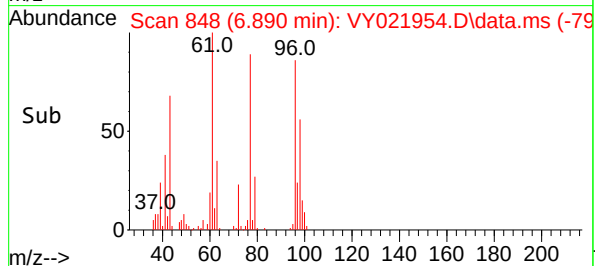
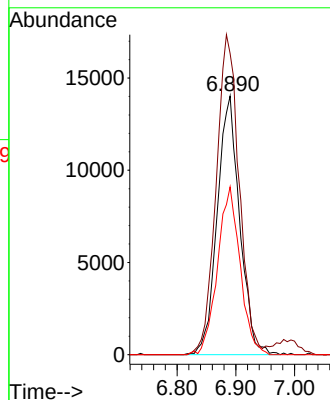
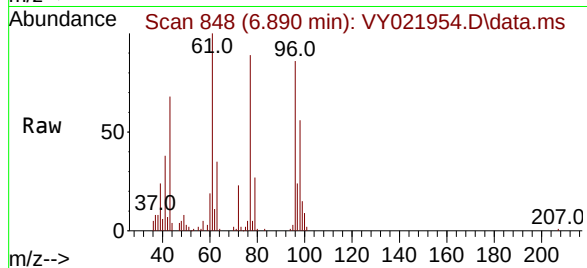
98 65.1 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 10.426 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

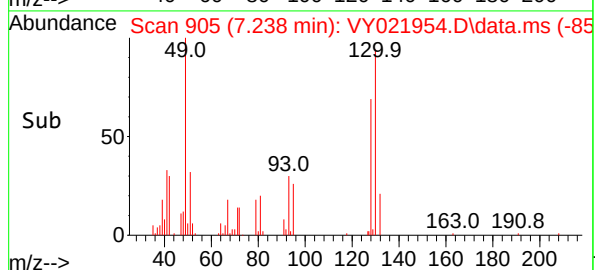
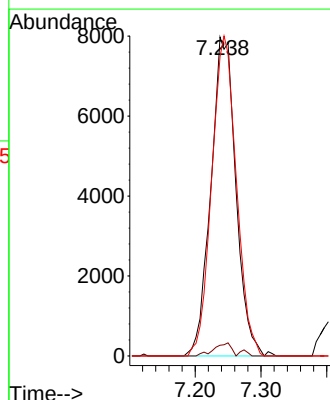
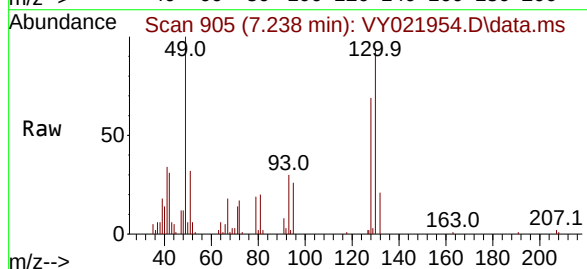
Tgt Ion: 49 Resp: 21122

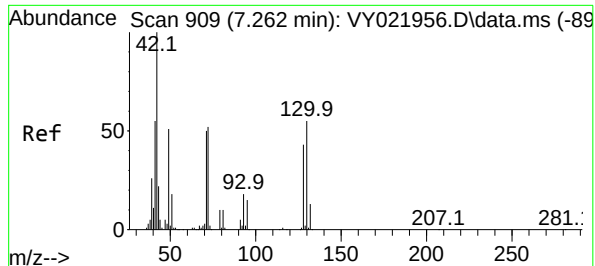
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.0

130 98.7 78.2 117.4





#29

Tetrahydrofuran

Concen: 47.274 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 42 Resp: 1888

Ion Ratio Lower Upper

42 100

72 53.0 42.6 63.8

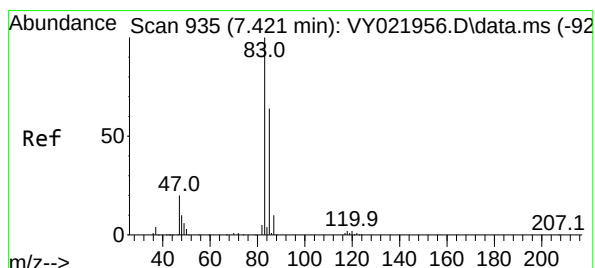
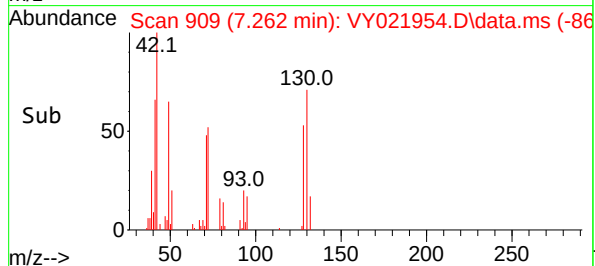
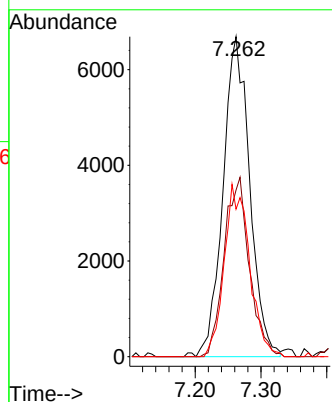
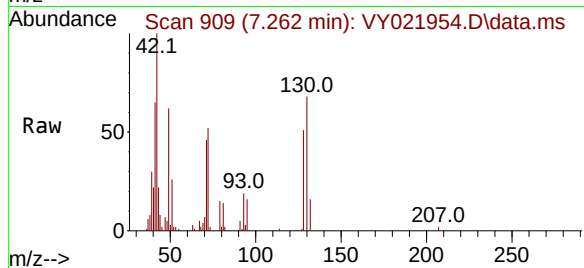
71 51.0 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 10.559 ug/l

RT: 7.414 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021954.D

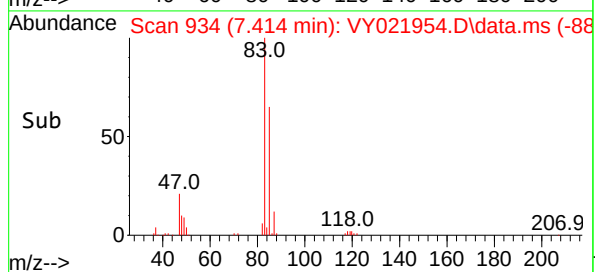
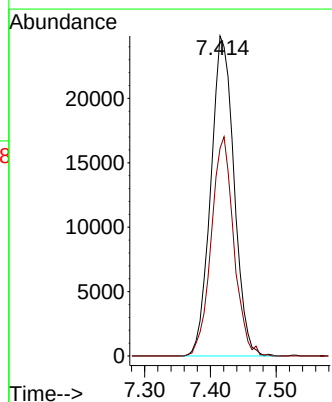
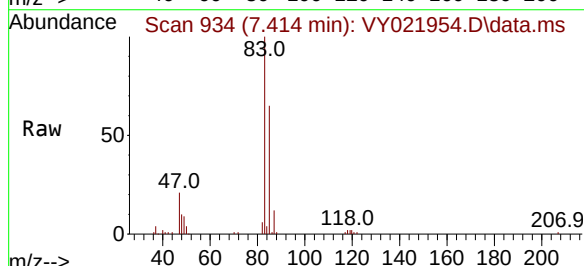
Acq: 22 Apr 2025 14:44

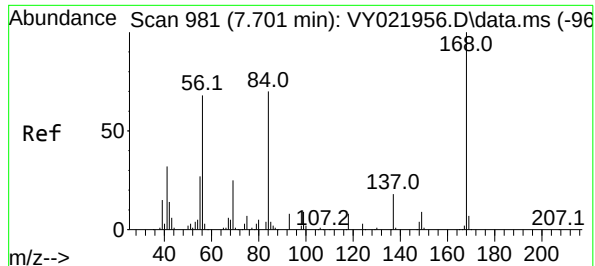
Tgt Ion: 83 Resp: 61088

Ion Ratio Lower Upper

83 100

85 64.9 51.3 76.9





#31

Cyclohexane

Concen: 11.229 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 5083

Ion Ratio Lower Upper

56 100

69 45.3 29.4 44.2

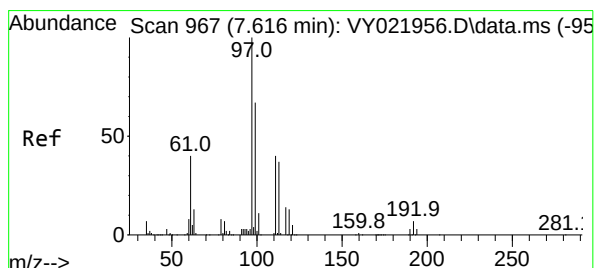
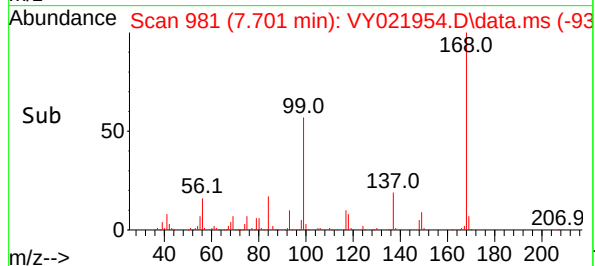
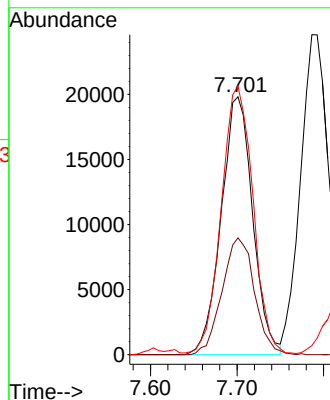
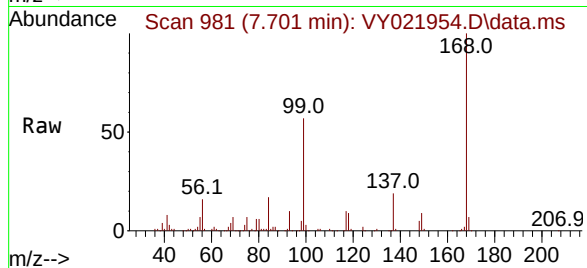
84 103.5 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 10.540 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

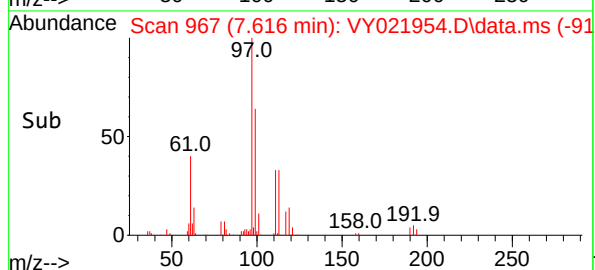
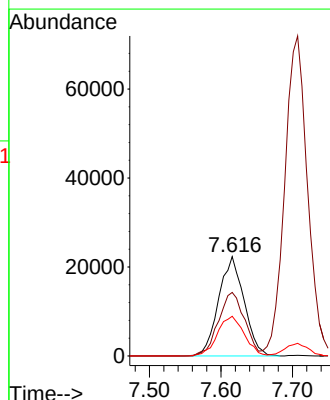
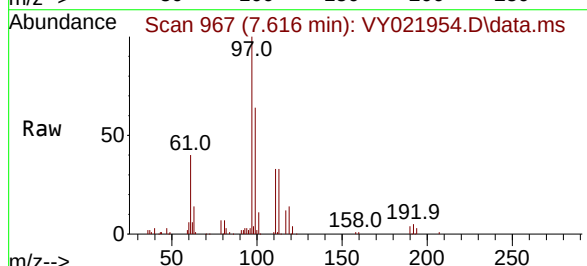
Tgt Ion: 97 Resp: 55163

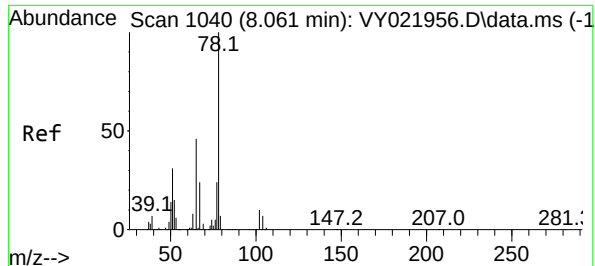
Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

61 42.0 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 10.325 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 27850

Ion Ratio Lower Upper

65 100

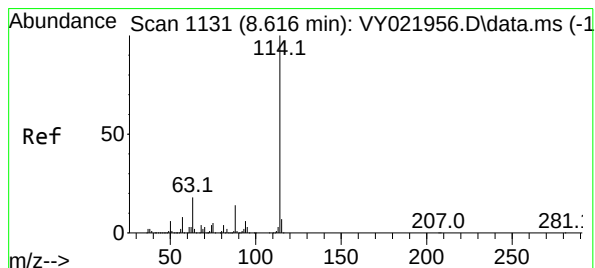
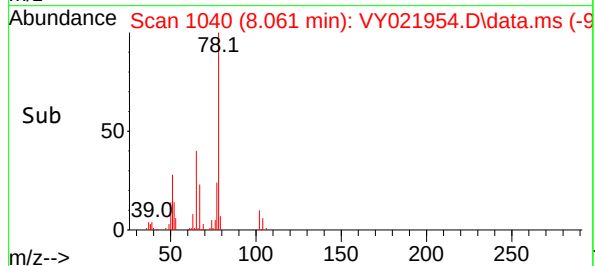
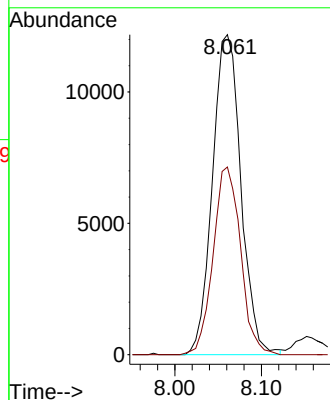
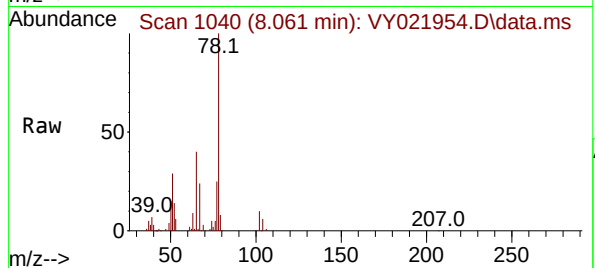
67 56.4 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

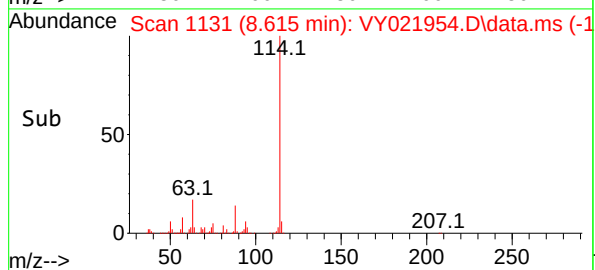
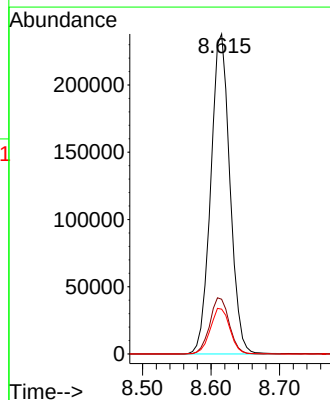
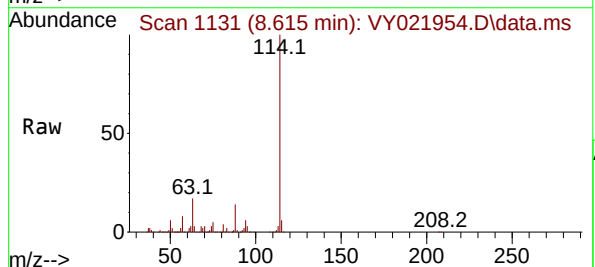
Tgt Ion:114 Resp: 462235

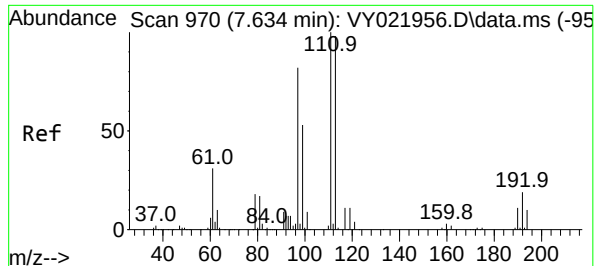
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 10.335 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 31560

Ion Ratio Lower Upper

113 100

111 98.0 81.8 122.8

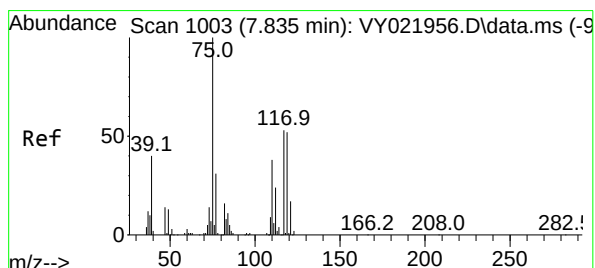
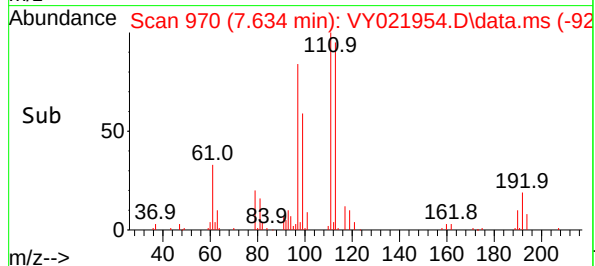
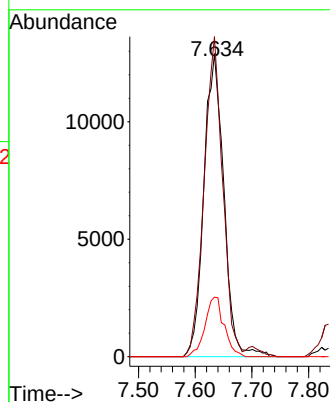
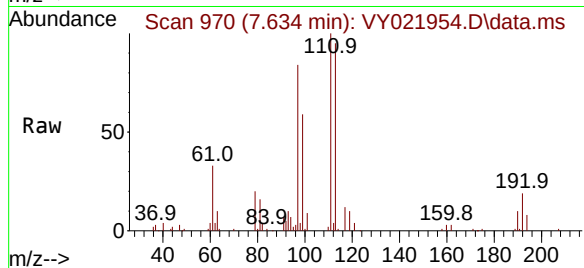
192 18.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 10.604 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

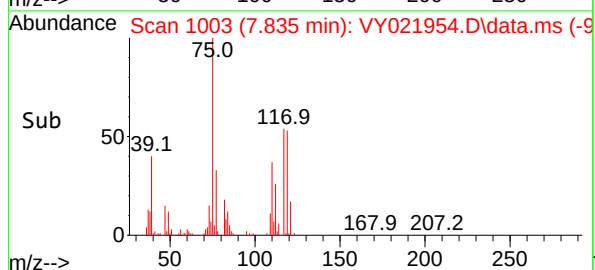
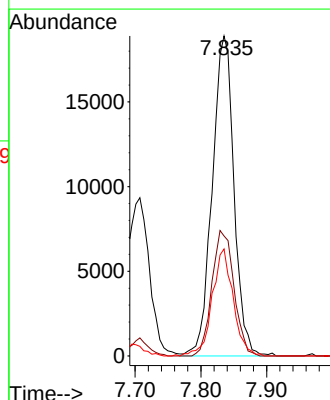
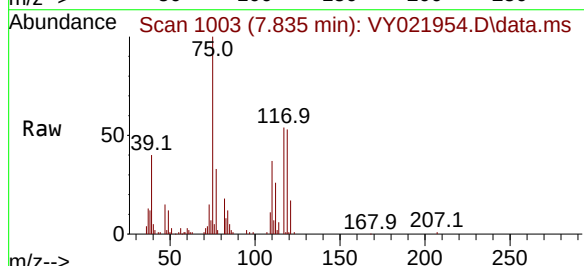
Tgt Ion: 75 Resp: 43496

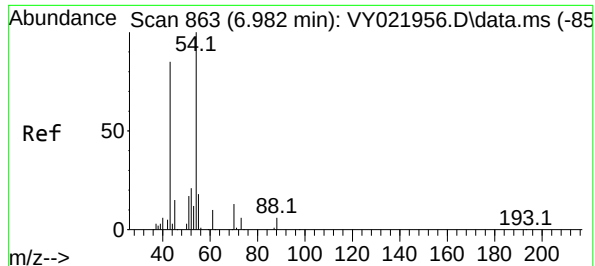
Ion Ratio Lower Upper

75 100

110 39.7 19.1 57.3

77 32.3 25.5 38.3





#37

Ethyl Acetate

Concen: 10.248 ug/l m

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

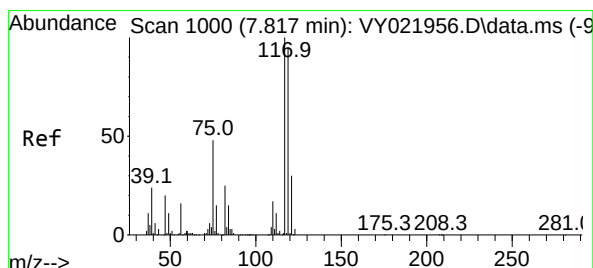
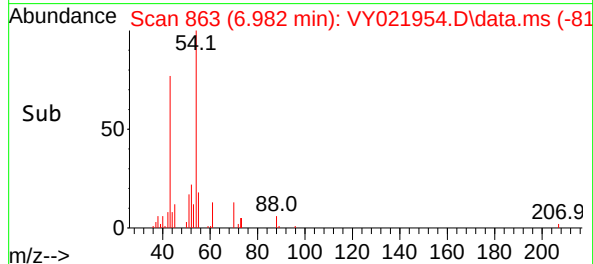
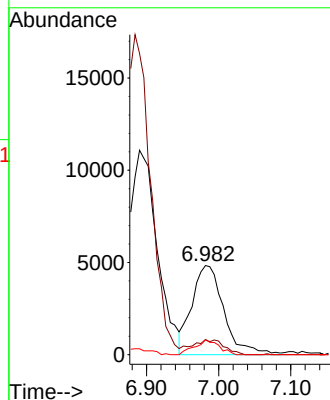
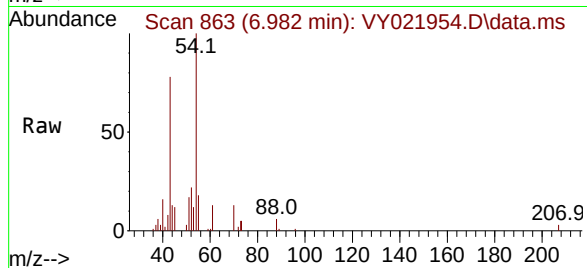
VSTDICC010

Tgt Ion:	43	Resp:	1489
Ion	Ratio	Lower	Upper
43	100		
61	14.7	13.8	20.6
70	12.6	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 10.625 ug/l

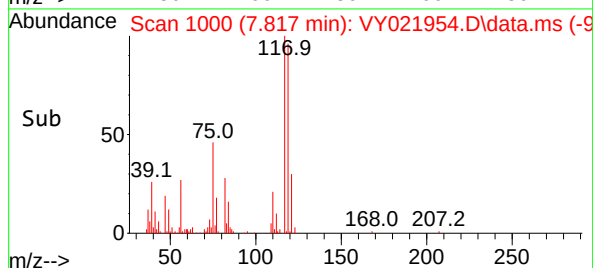
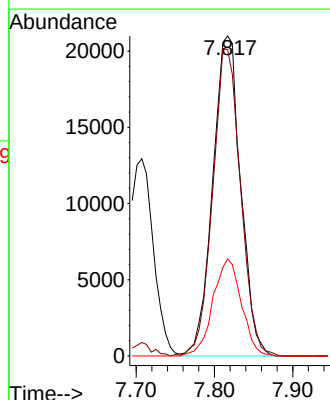
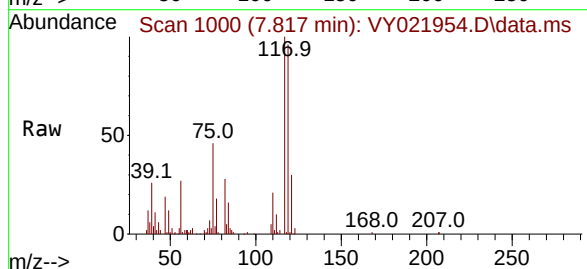
RT: 7.817 min Scan# 1000

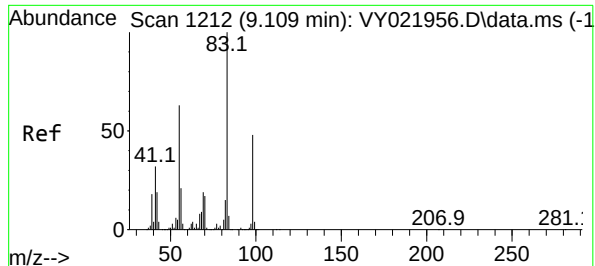
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	117	Resp:	52079
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.4	24.0	36.0





#39

Methylcyclohexane

Concen: 10.194 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

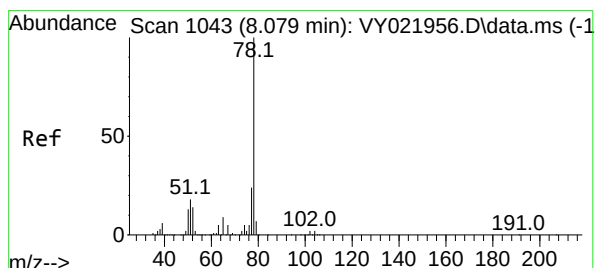
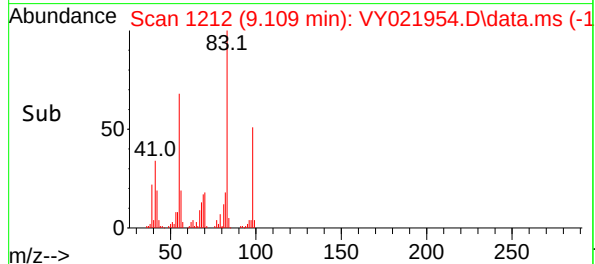
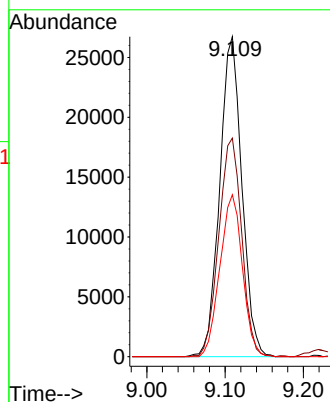
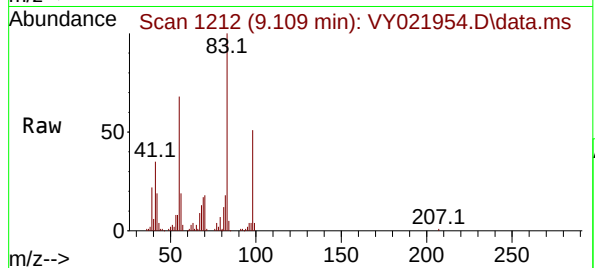
VSTDIC010

Tgt Ion: 83	Resp: 5262
Ion Ratio	Lower Upper
83 100	
55 68.3	50.6 75.8
98 50.6	38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 10.373 ug/l

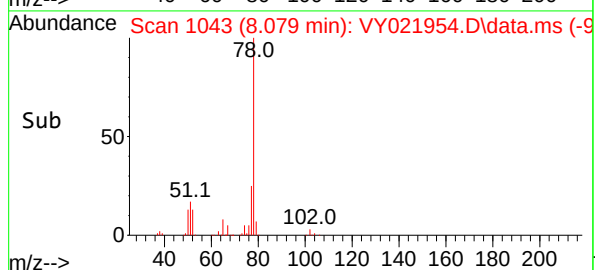
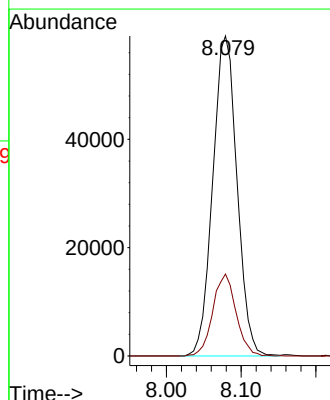
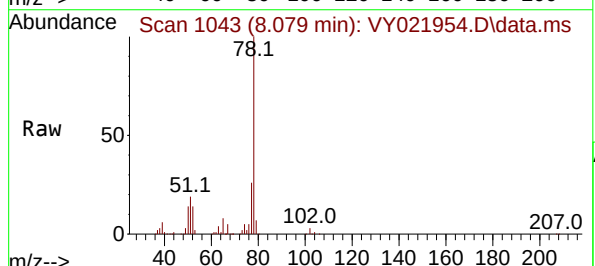
RT: 8.079 min Scan# 1043

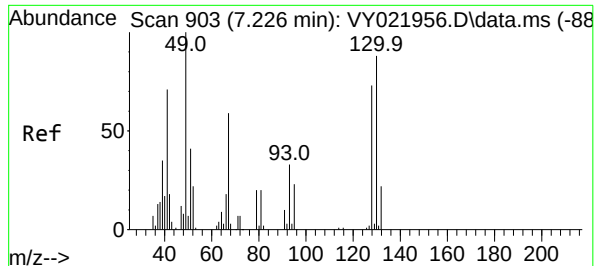
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

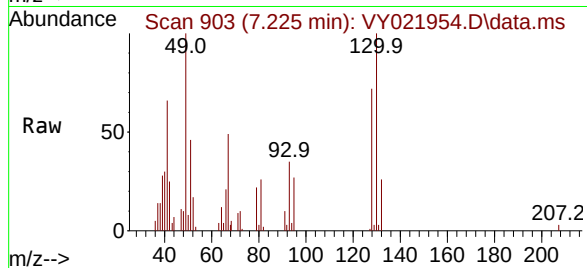
Tgt Ion: 78	Resp: 133010
Ion Ratio	Lower Upper
78 100	
77 25.6	19.3 28.9





#41
Methacrylonitrile
Concen: 9.813 ug/l m
RT: 7.225 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

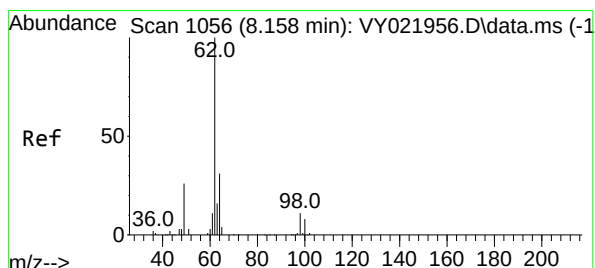
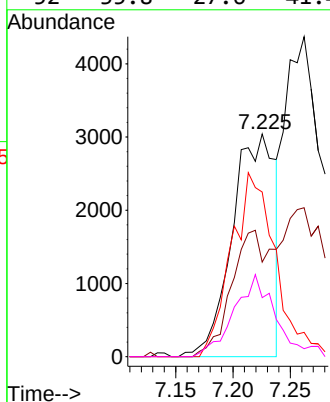
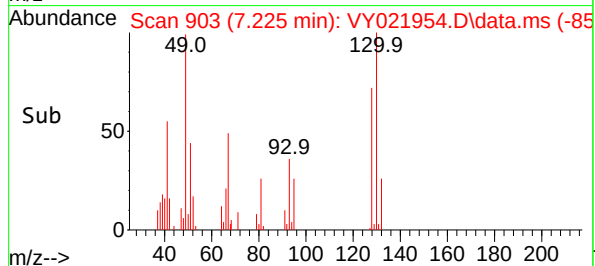
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 7900
Ion Ratio Lower Upper
41 100
39 40.9 36.6 55.0
67 85.1 72.2 108.4
52 35.8 27.6 41.4

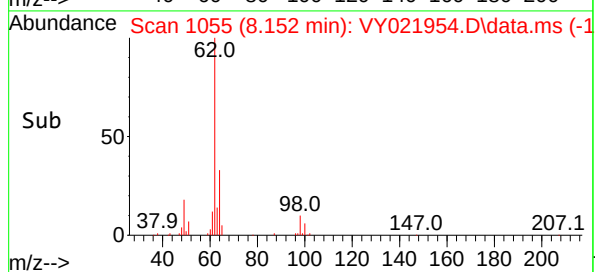
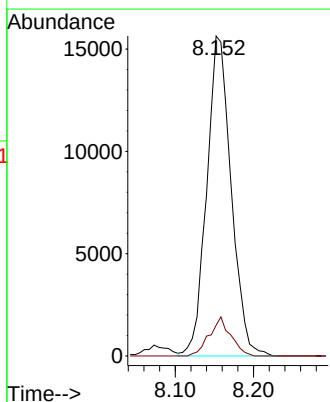
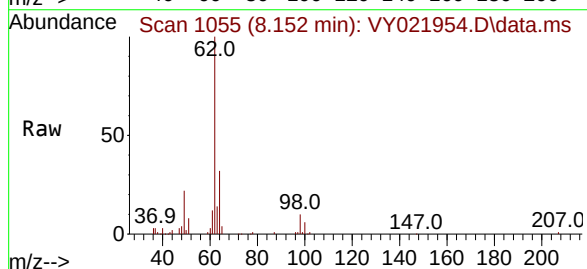
Manual Integrations
APPROVED

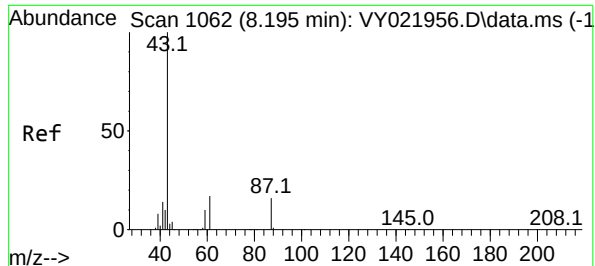
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 10.690 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

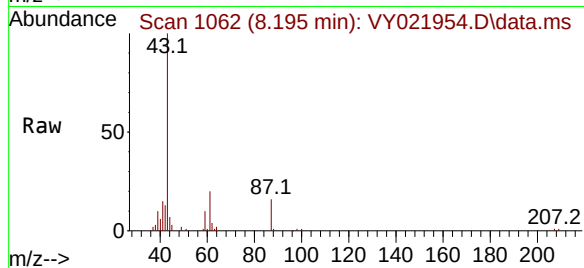
Tgt Ion: 62 Resp: 33939
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.0





#43
Isopropyl Acetate
Concen: 9.574 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

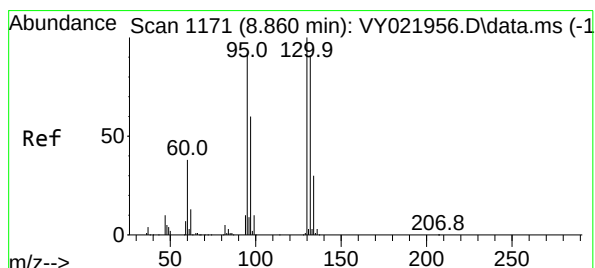
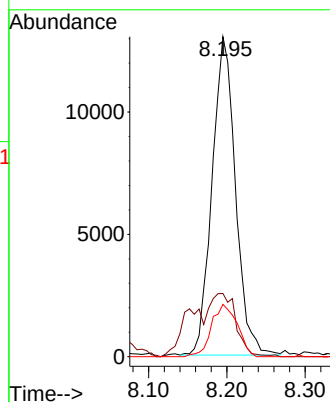
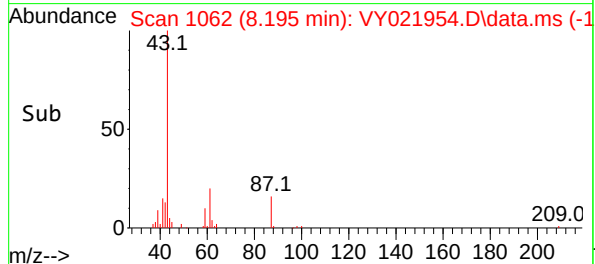
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
61 22.7 18.9 28.3
87 18.1 13.7 20.5

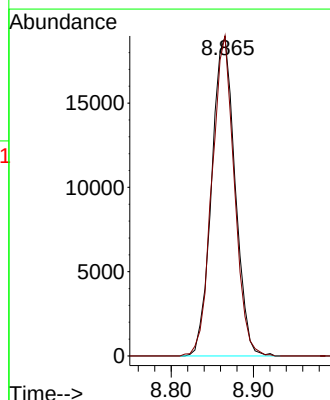
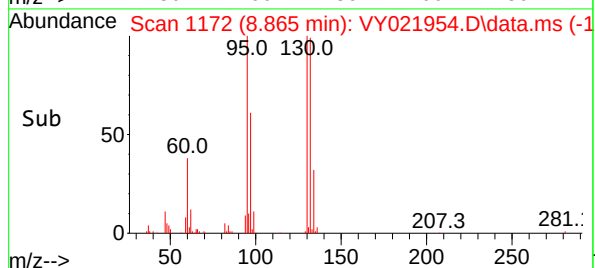
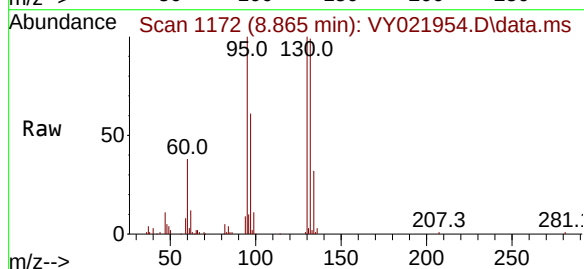
Manual Integrations
APPROVED

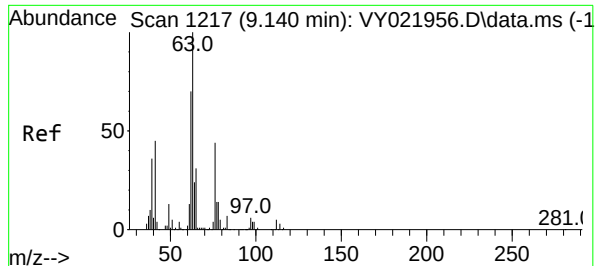
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44
Trichloroethene
Concen: 10.534 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:130 Resp: 37414
Ion Ratio Lower Upper
130 100
95 100.3 0.0 183.2





#45

1,2-Dichloropropane

Concen: 10.342 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2932

Ion Ratio Lower Upper

63 100

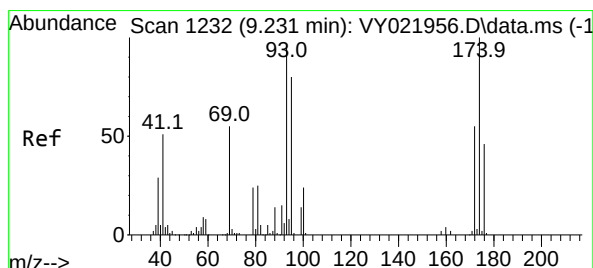
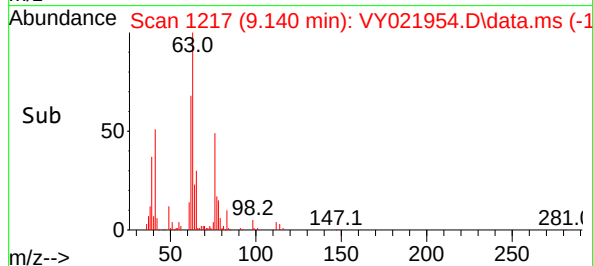
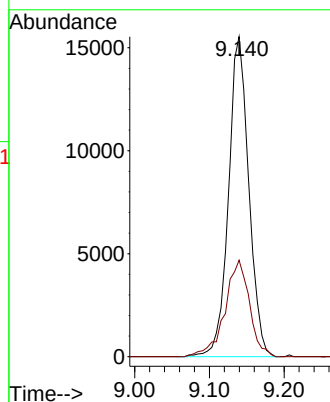
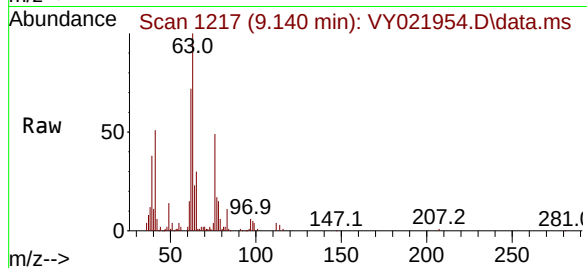
65 30.2 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 10.055 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

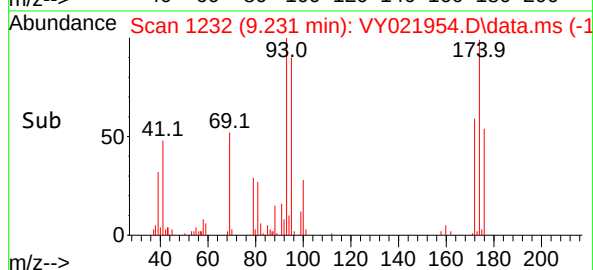
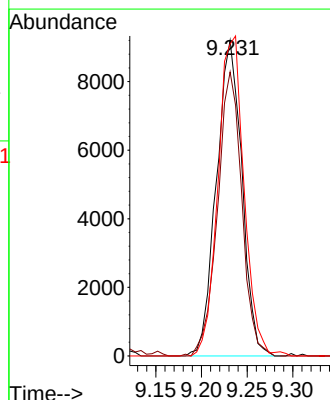
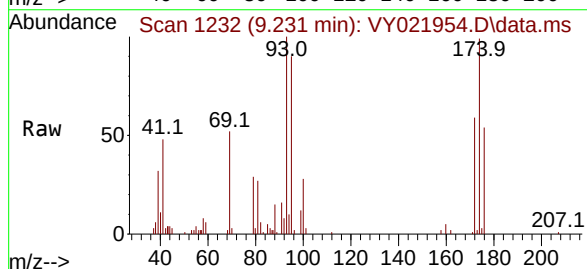
Tgt Ion: 93 Resp: 17848

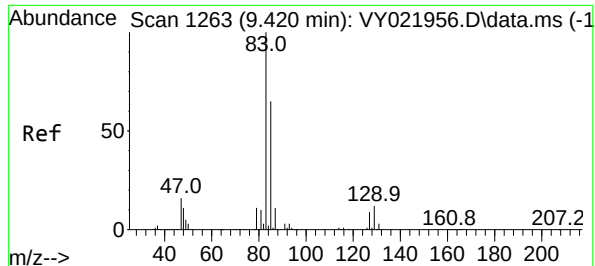
Ion Ratio Lower Upper

93 100

95 85.7 66.7 100.1

174 103.7 84.6 127.0





#47

Bromodichloromethane

Concen: 10.498 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021954.D

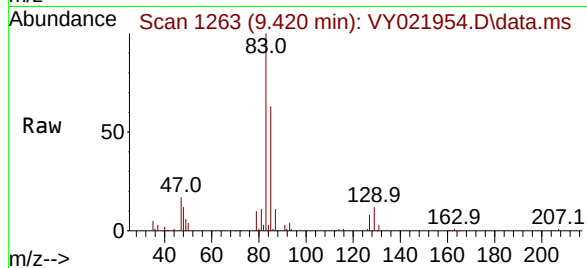
Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

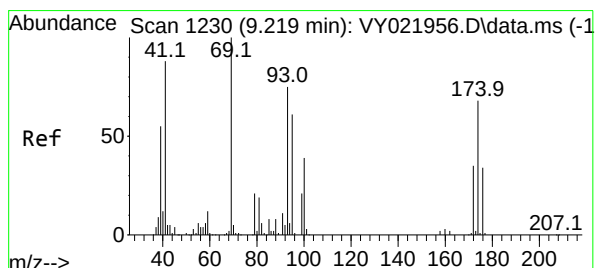
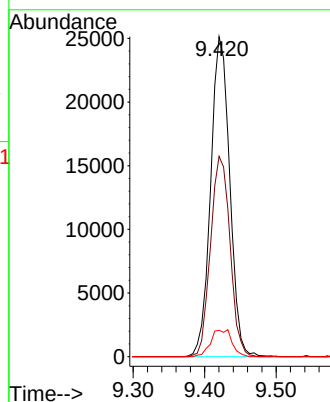
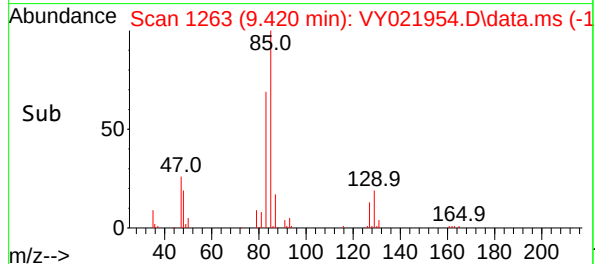


Tgt Ion:	83	Resp:	4655
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.8
127	8.2	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

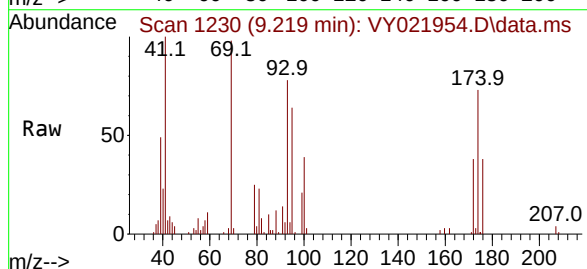
Concen: 9.202 ug/l

RT: 9.219 min Scan# 1230

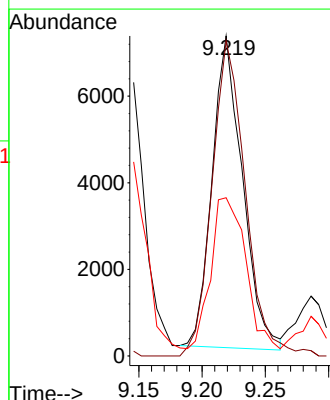
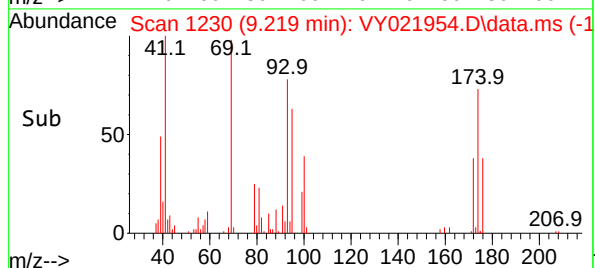
Delta R.T. -0.000 min

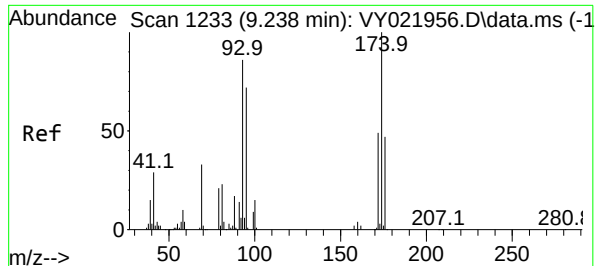
Lab File: VY021954.D

Acq: 22 Apr 2025 14:44



Tgt Ion:	41	Resp:	12035
Ion	Ratio	Lower	Upper
41	100		
69	111.3	85.5	128.3
39	56.4	46.2	69.4





#49

1,4-Dioxane

Concen: 199.843 ug/l

RT: 9.231 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

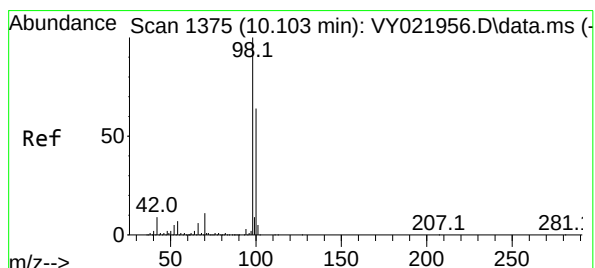
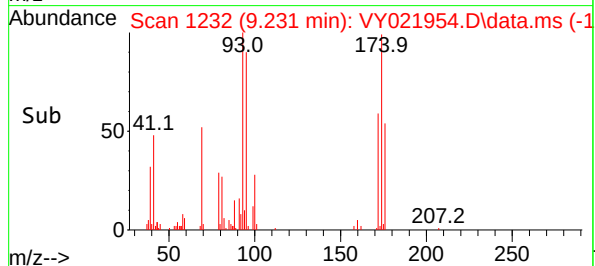
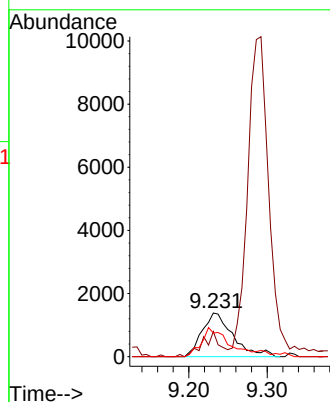
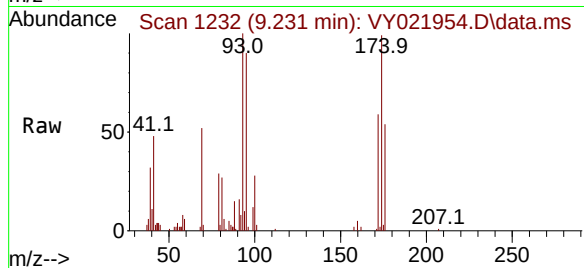
Tgt Ion: 88 Resp: 378

Ion	Ratio	Lower	Upper
88	100		
43	32.0	21.3	31.9
58	64.2	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 10.118 ug/l

RT: 10.103 min Scan# 1375

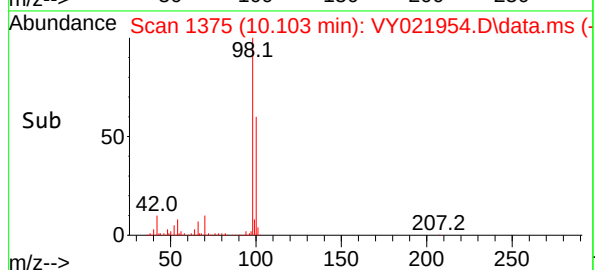
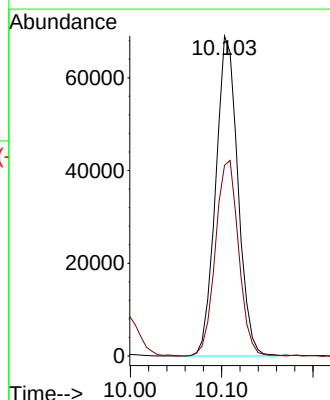
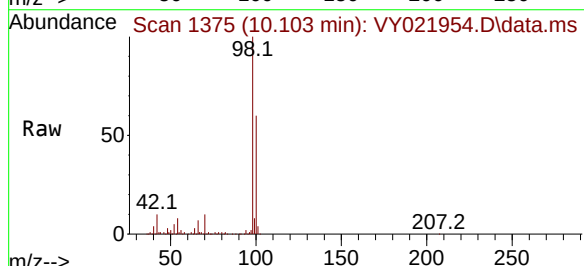
Delta R.T. -0.000 min

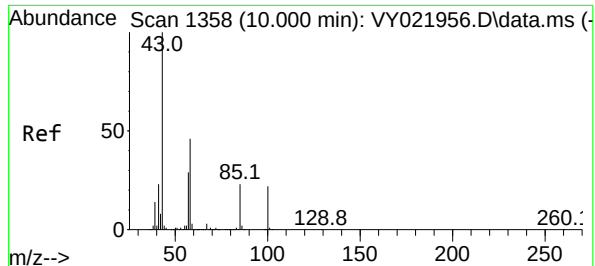
Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 98 Resp: 116480

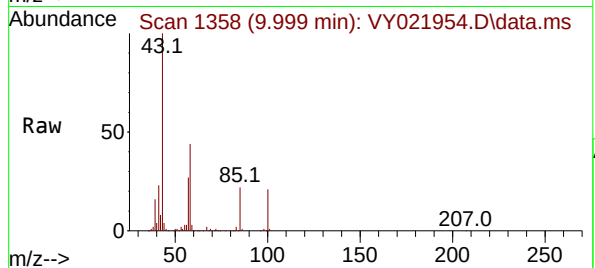
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 46.490 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

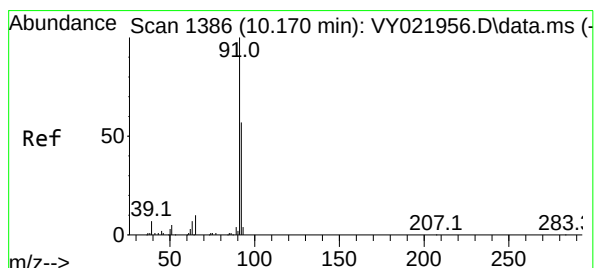
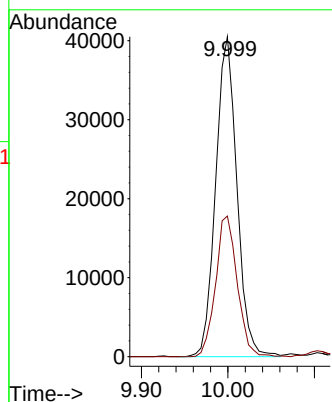
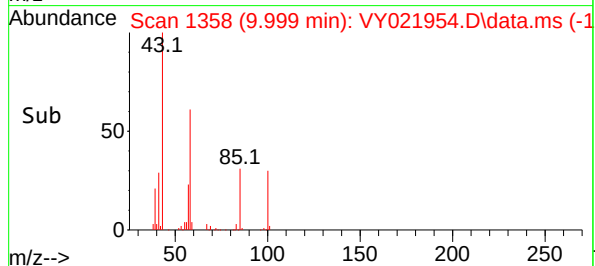
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 6895
Ion Ratio Lower Upper
43 100
58 44.8 36.6 55.0

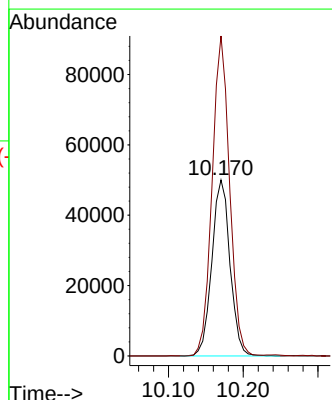
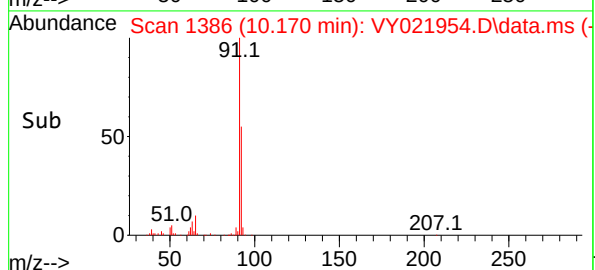
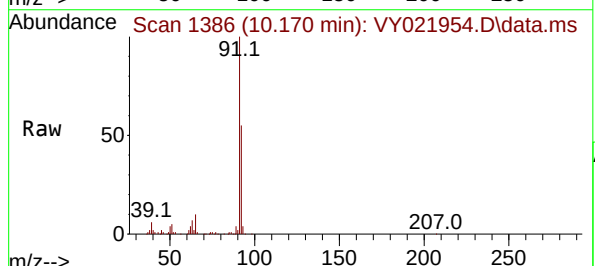
Manual Integrations
APPROVED

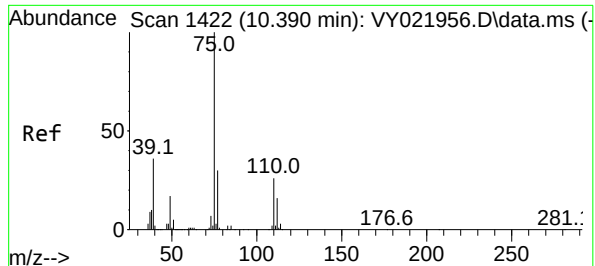
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 10.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

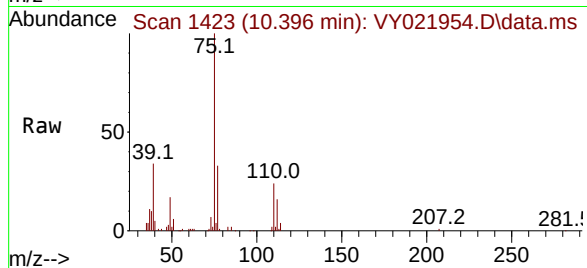
Tgt Ion: 92 Resp: 84571
Ion Ratio Lower Upper
92 100
91 175.1 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 9.911 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

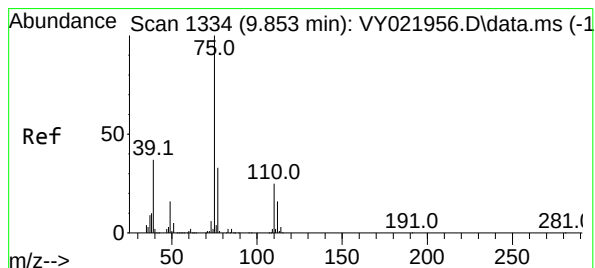
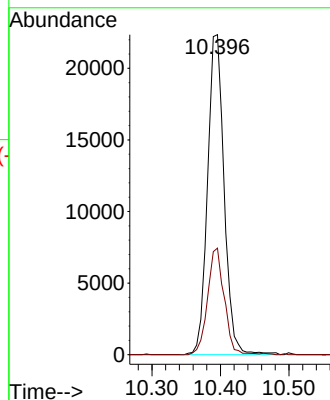
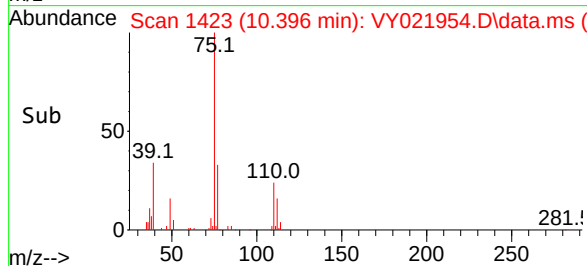
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



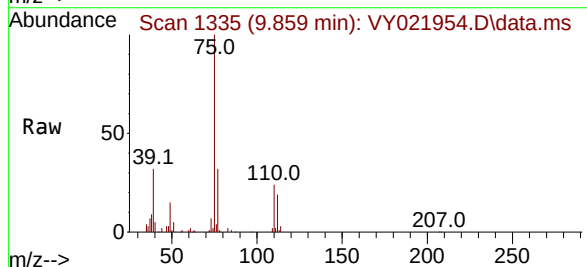
Tgt Ion: 75 Resp: 37699
Ion Ratio Lower Upper
75 100
77 33.3 24.0 36.0

Manual Integrations
APPROVED

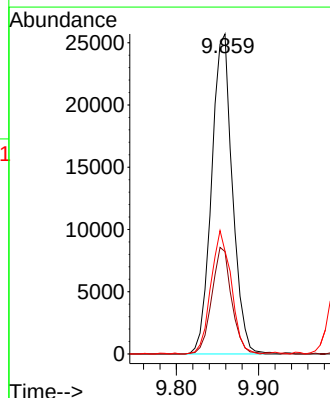
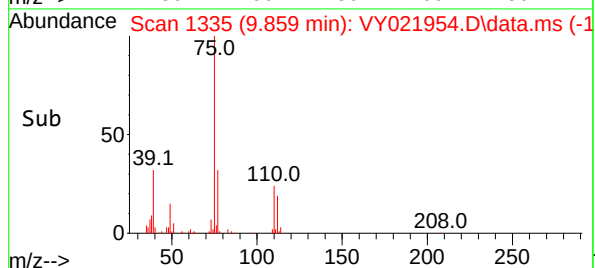
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

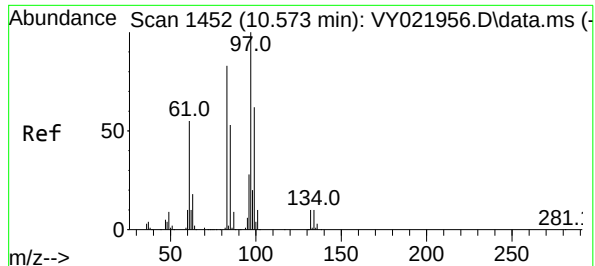


#54
cis-1,3-Dichloropropene
Concen: 9.982 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44



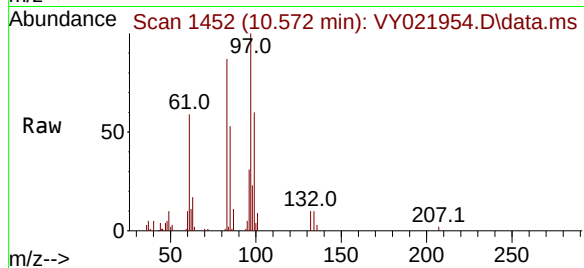
Tgt Ion: 75 Resp: 45133
Ion Ratio Lower Upper
75 100
77 32.0 26.6 40.0
39 32.2 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 10.192 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

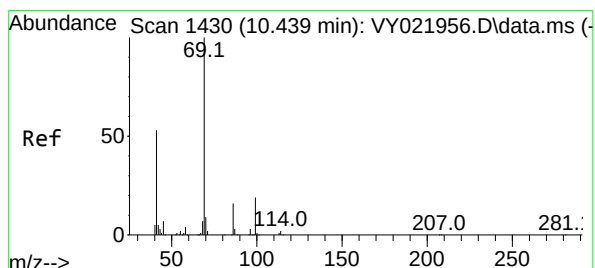
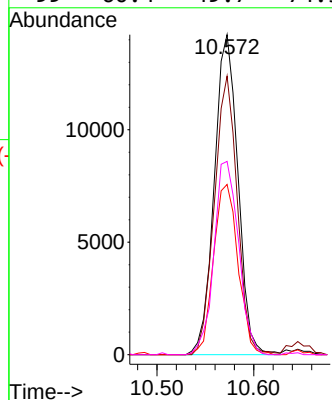
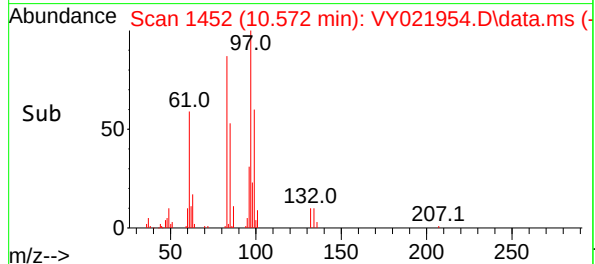
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 97 Resp: 24160
Ion Ratio Lower Upper
97 100
83 87.1 66.7 100.1
85 53.2 42.6 64.0
99 60.4 49.7 74.5

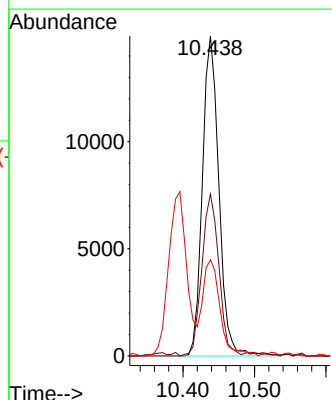
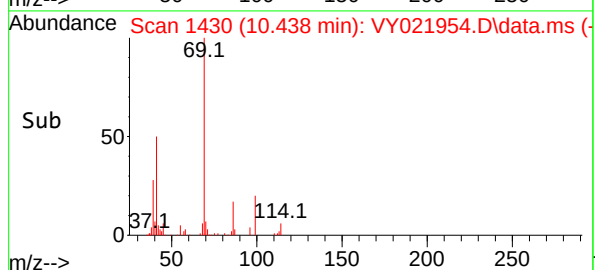
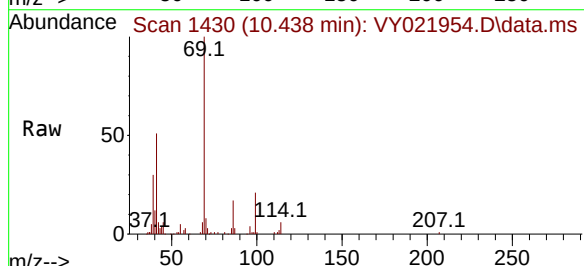
Manual Integrations
APPROVED

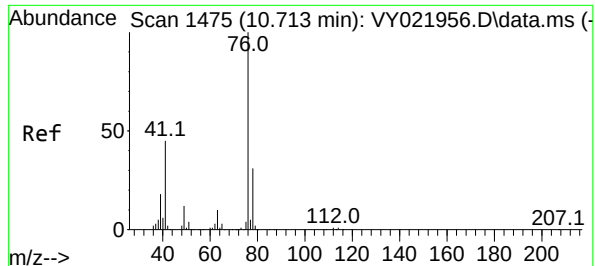
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 8.823 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

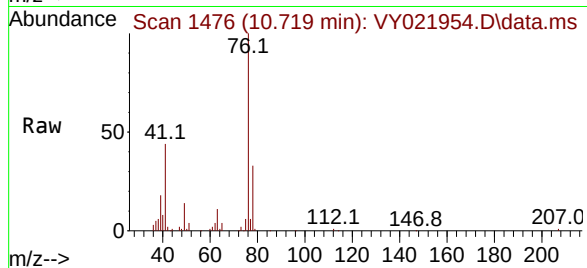
Tgt Ion: 69 Resp: 23924
Ion Ratio Lower Upper
69 100
41 52.1 40.7 61.1
39 31.1 23.3 34.9





#57
1,3-Dichloropropane
Concen: 10.204 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

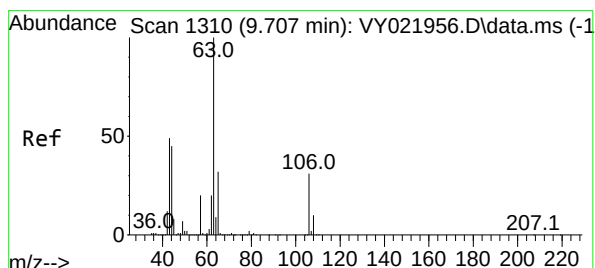
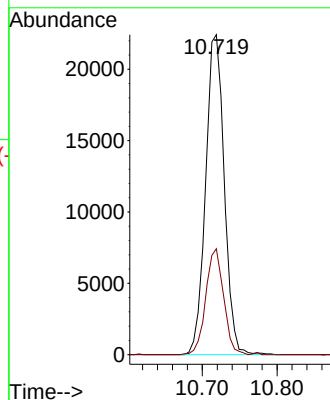
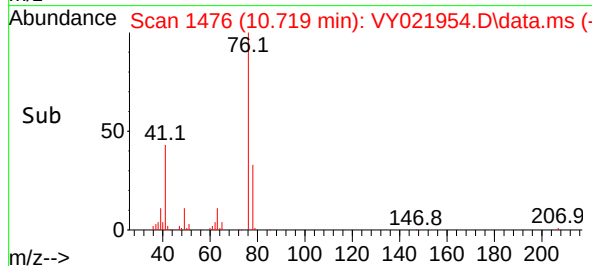
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 76 Resp: 3878
Ion Ratio Lower Upper
76 100
78 31.6 26.6 39.8

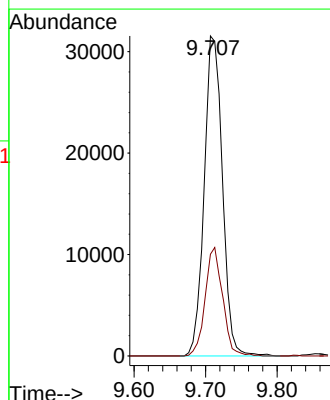
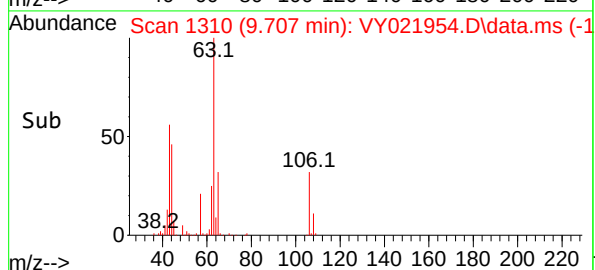
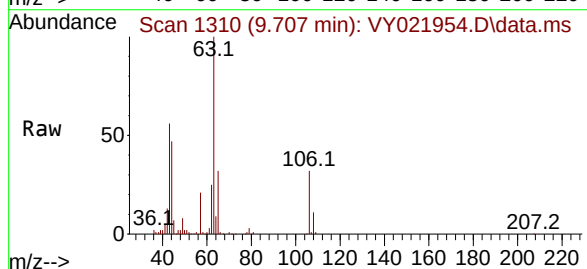
Manual Integrations
APPROVED

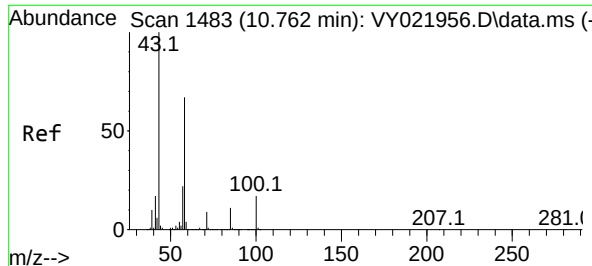
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 42.164 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

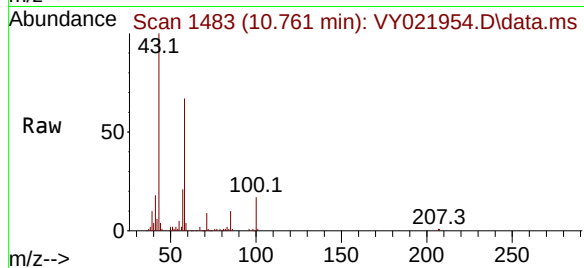
Tgt Ion: 63 Resp: 55900
Ion Ratio Lower Upper
63 100
106 32.5 25.3 37.9





#59
2-Hexanone
Concen: 45.407 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

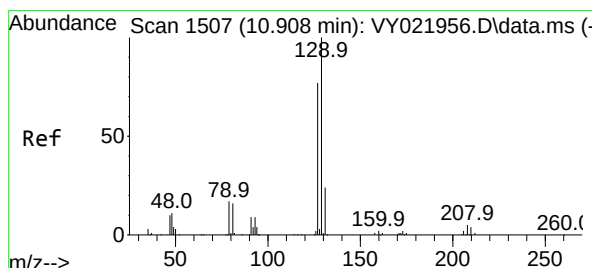
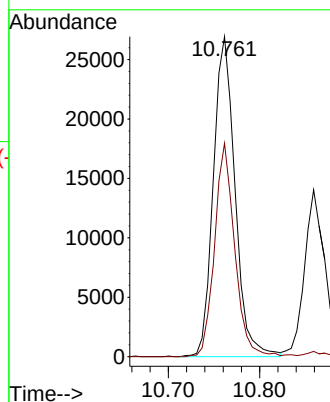
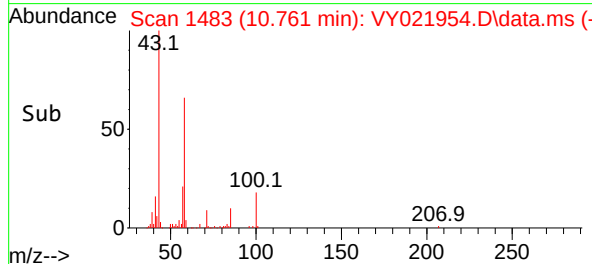
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 44419
Ion Ratio Lower Upper
43 100
58 61.8 32.0 96.0

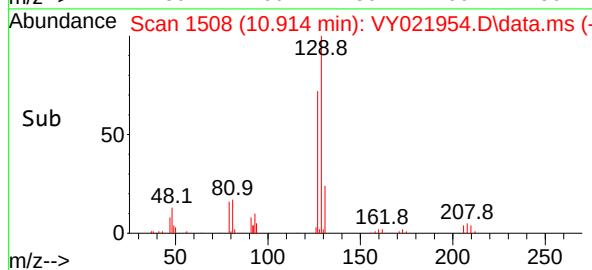
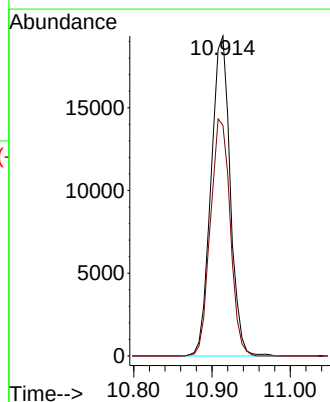
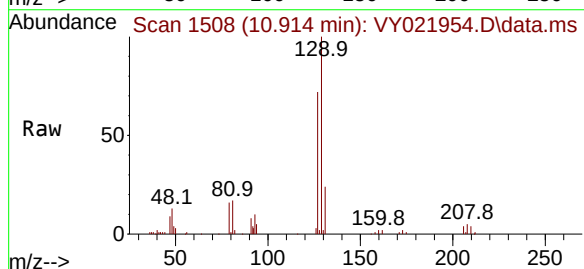
Manual Integrations
APPROVED

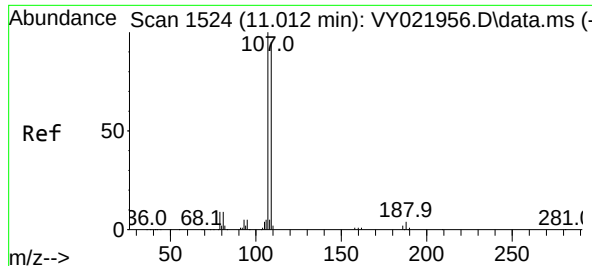
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 9.994 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

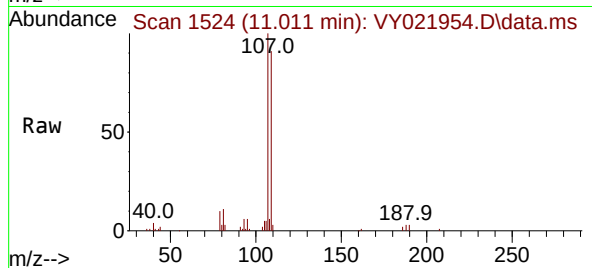
Tgt Ion:129 Resp: 32807
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61
1,2-Dibromoethane
Concen: 10.019 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

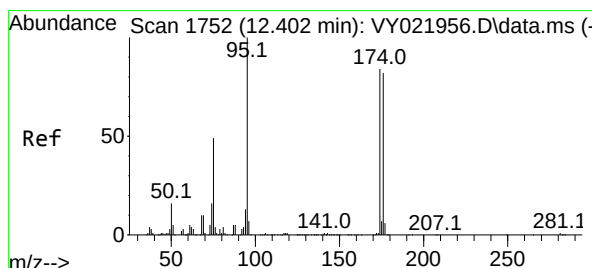
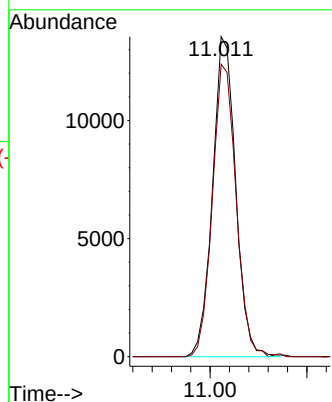
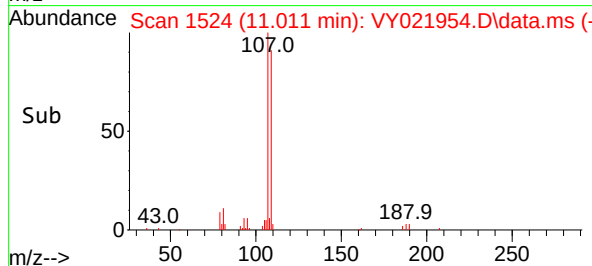
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:107 Resp: 2242
Ion Ratio Lower Upper
107 100
109 94.1 75.8 113.8

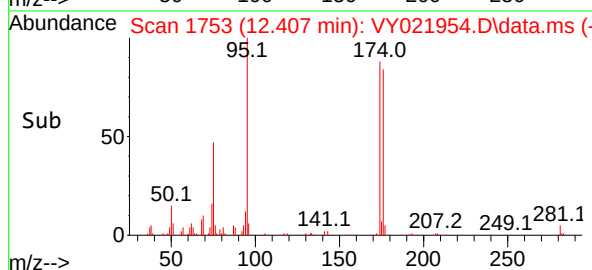
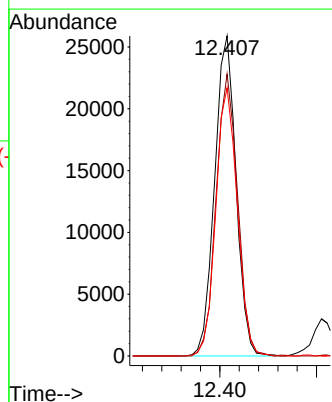
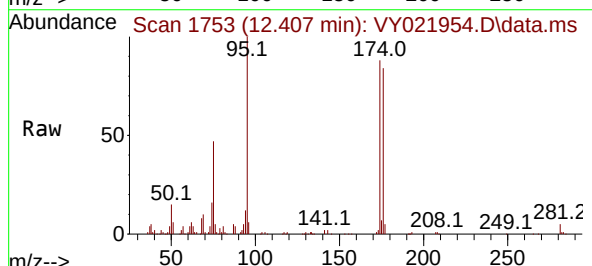
Manual Integrations
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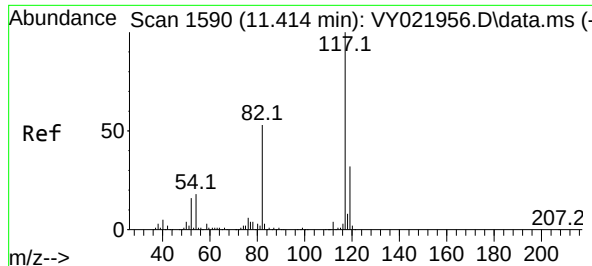
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 10.244 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

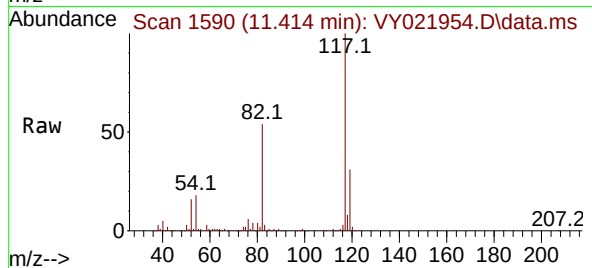
Tgt Ion: 95 Resp: 39704
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.0
176 84.2 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

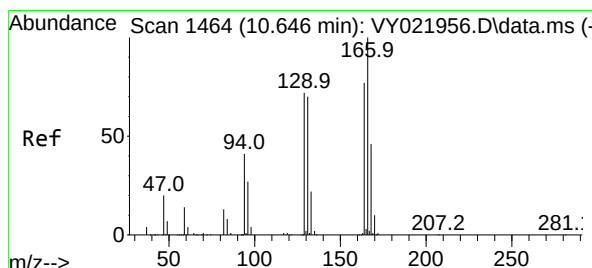
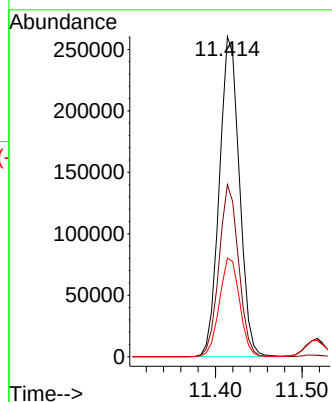
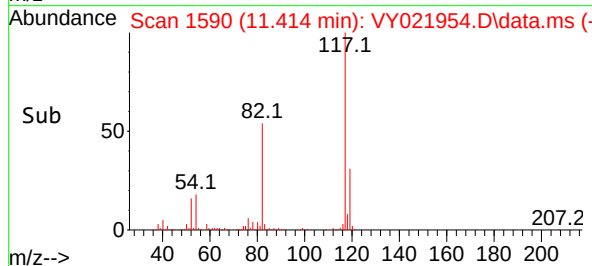
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:117 Resp: 41847
Ion Ratio Lower Upper
117 100
82 53.7 42.1 63.1
119 30.8 25.7 38.5

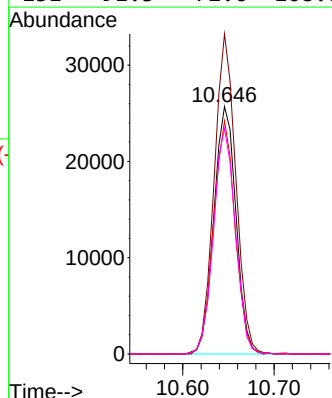
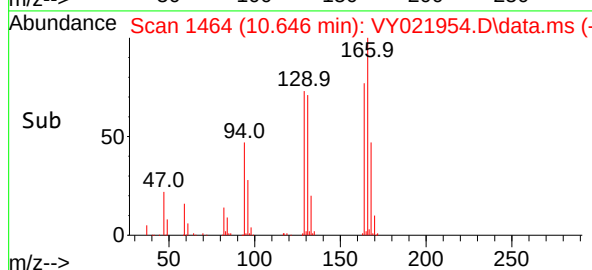
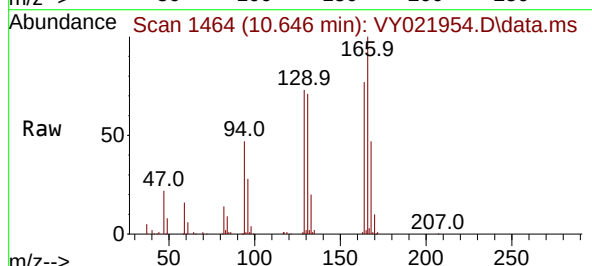
Manual Integrations
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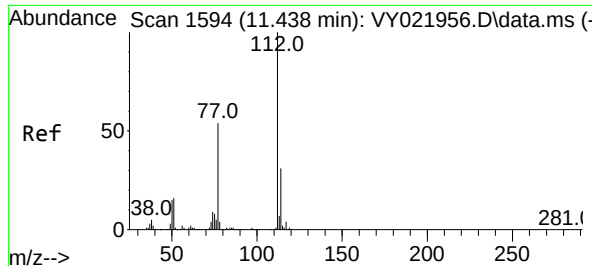
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 10.944 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:164 Resp: 43205
Ion Ratio Lower Upper
164 100
166 129.4 103.6 155.4
129 94.2 74.2 111.4
131 91.3 72.6 108.8





#65

Chlorobenzene

Concen: 10.306 ug/l

RT: 11.444 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 9644

Ion Ratio Lower Upper

112 100

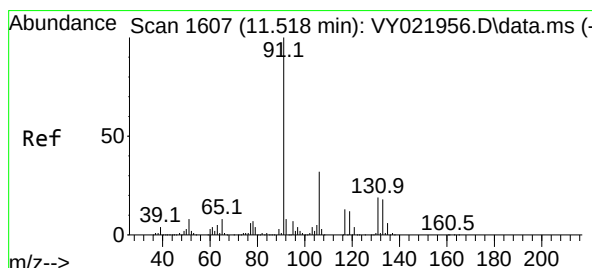
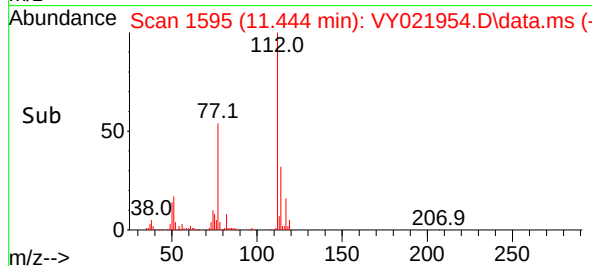
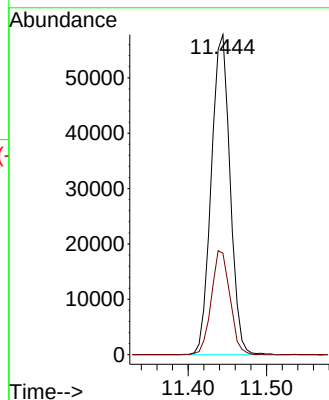
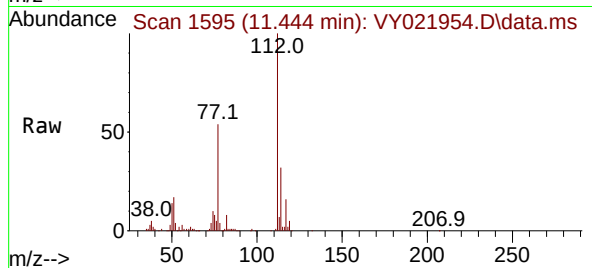
114 31.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 10.392 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

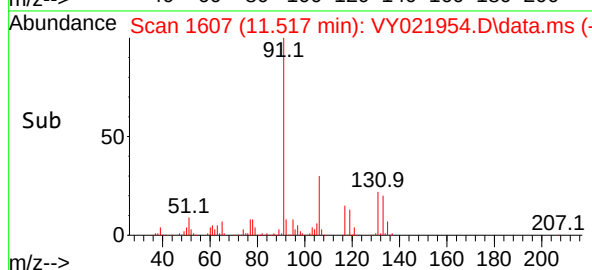
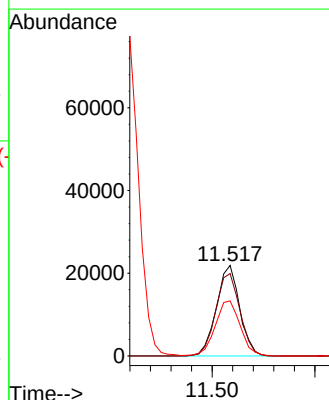
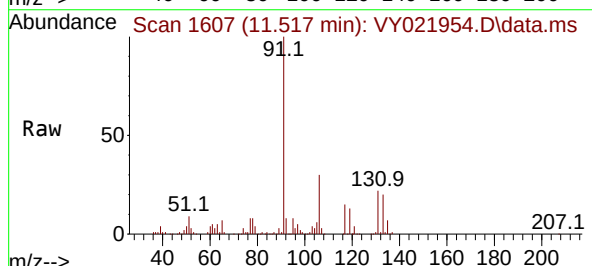
Tgt Ion:131 Resp: 34237

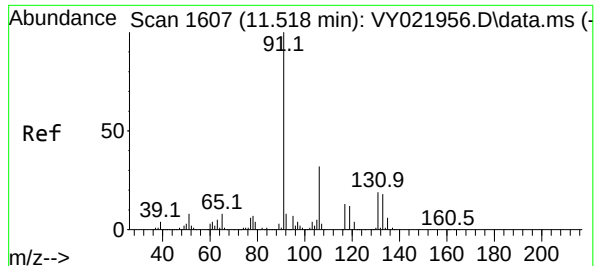
Ion Ratio Lower Upper

131 100

133 95.0 47.8 143.3

119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 10.058 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 15397

Ion Ratio Lower Upper

91 100

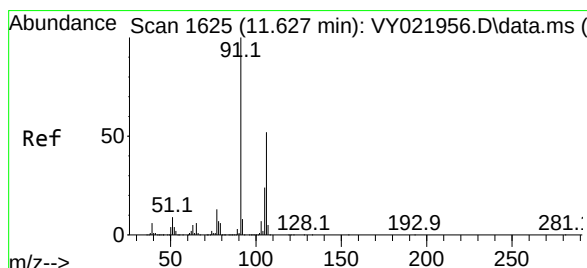
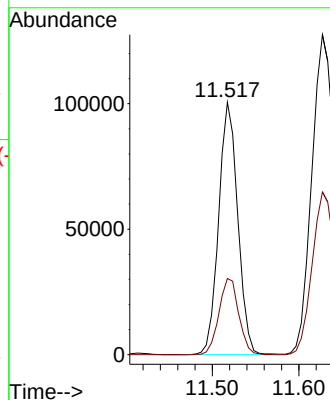
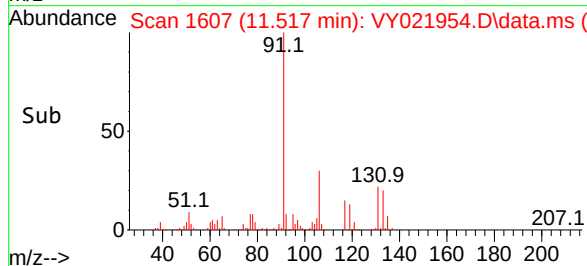
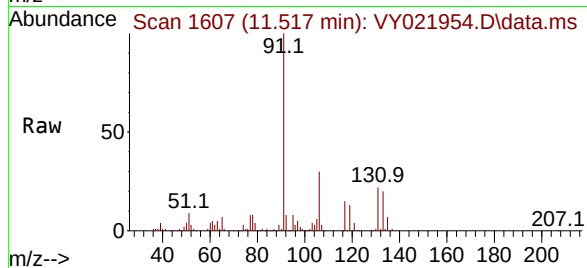
106 30.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 19.789 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021954.D

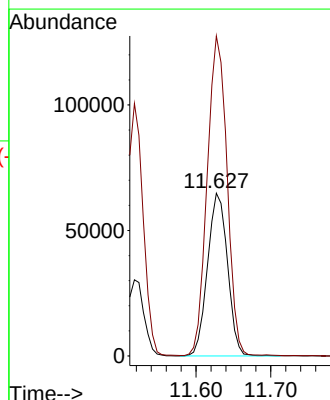
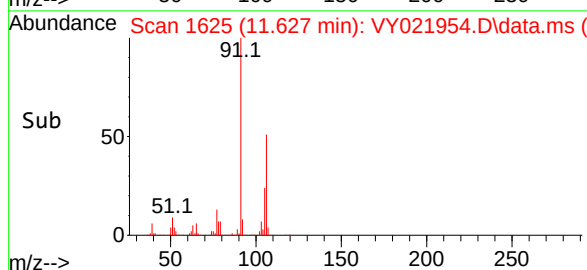
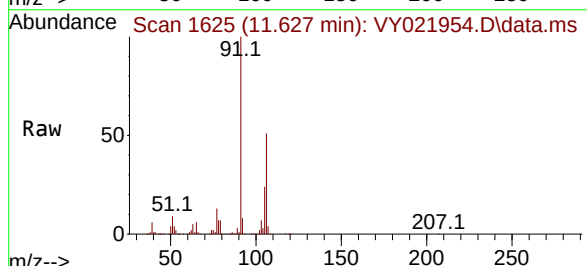
Acq: 22 Apr 2025 14:44

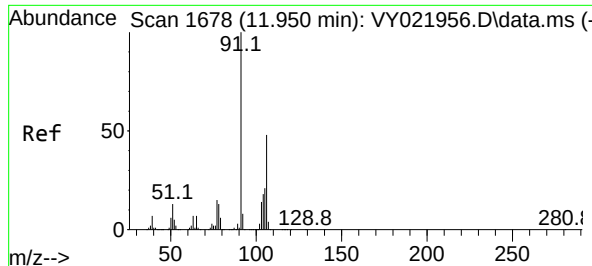
Tgt Ion:106 Resp: 120544

Ion Ratio Lower Upper

106 100

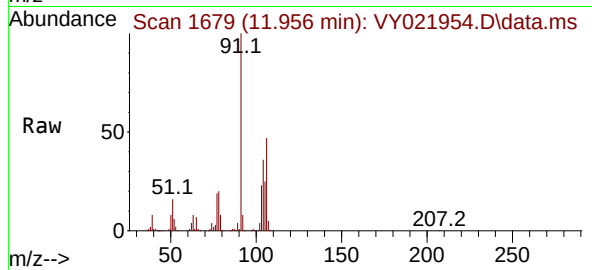
91 194.6 156.2 234.2





#69
o-Xylene
Concen: 9.521 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

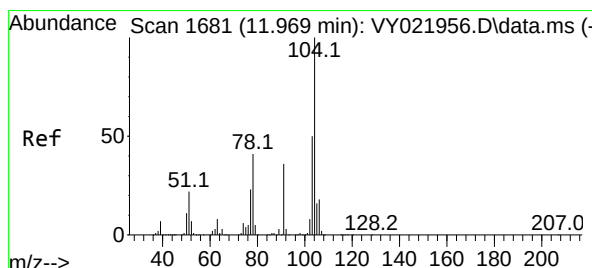
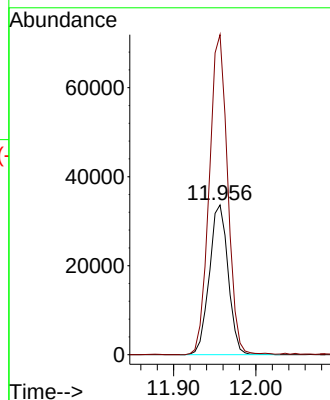
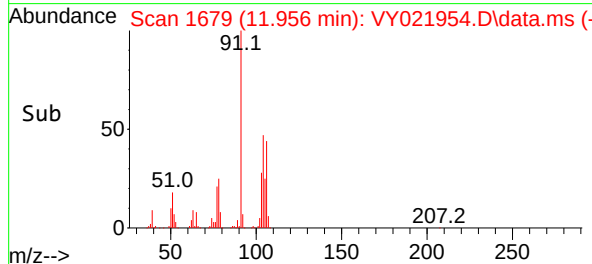
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:106 Resp: 53458
Ion Ratio Lower Upper
106 100
91 208.8 103.0 308.9

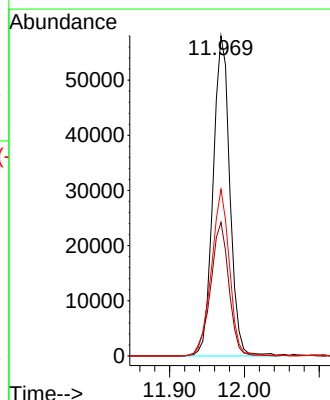
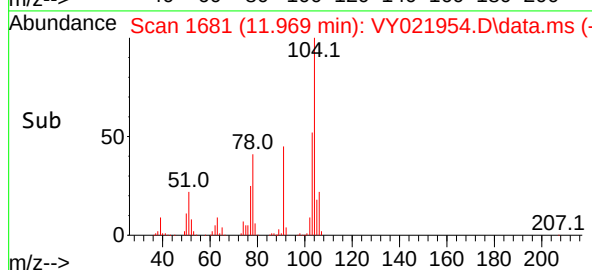
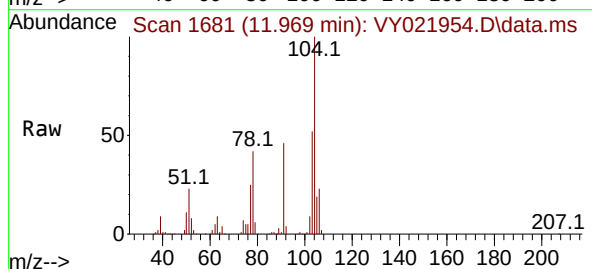
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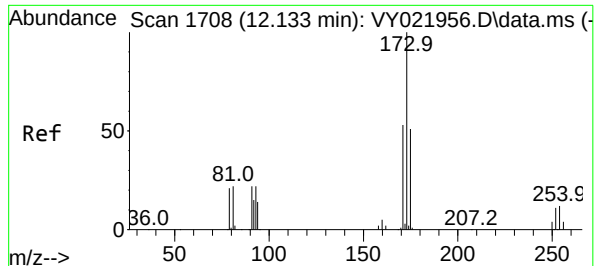
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 9.588 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:104 Resp: 90382
Ion Ratio Lower Upper
104 100
78 45.5 36.6 54.8
103 55.7 43.8 65.8





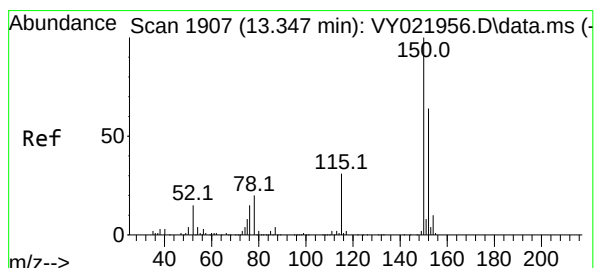
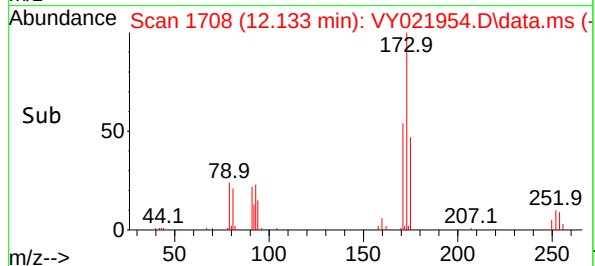
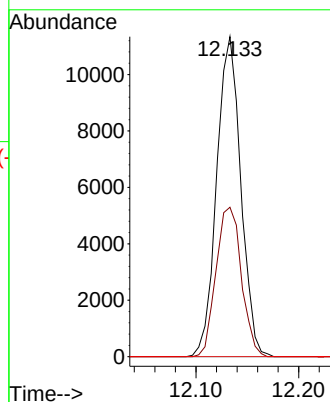
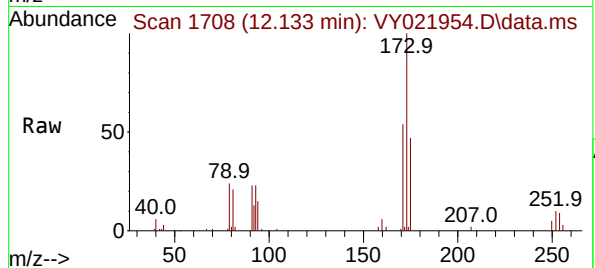
#71
Bromoform
Concen: 9.648 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 18480
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0

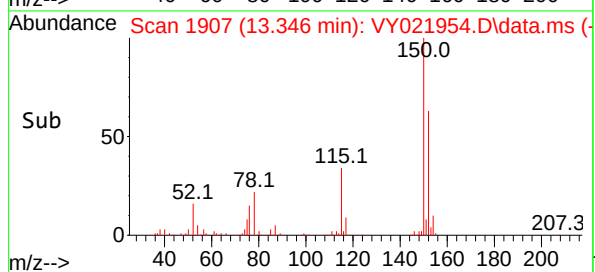
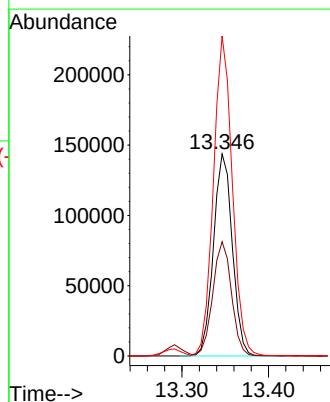
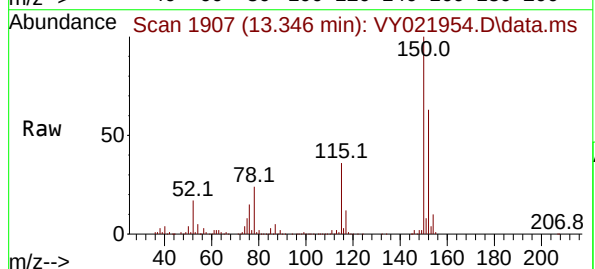
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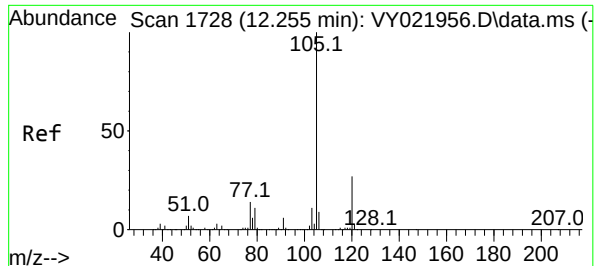
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

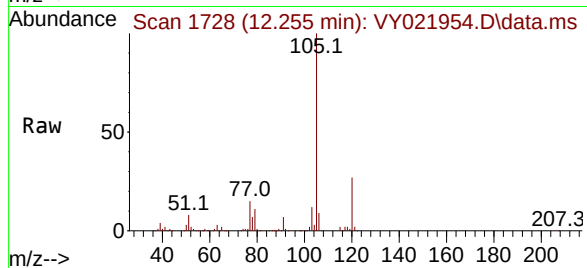
Tgt Ion:152 Resp: 217358
Ion Ratio Lower Upper
152 100
115 56.1 28.0 84.0
150 158.8 0.0 345.6





#73
Isopropylbenzene
Concen: 9.928 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

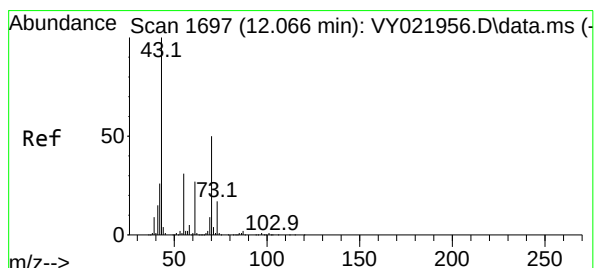
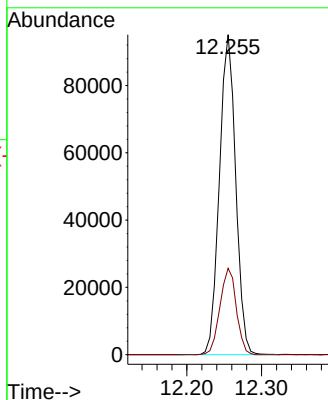
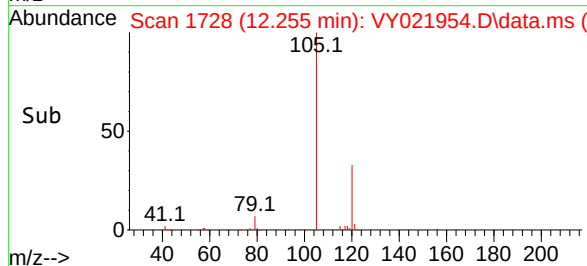
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 105 Resp: 14416
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

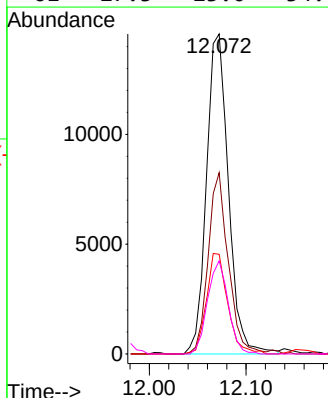
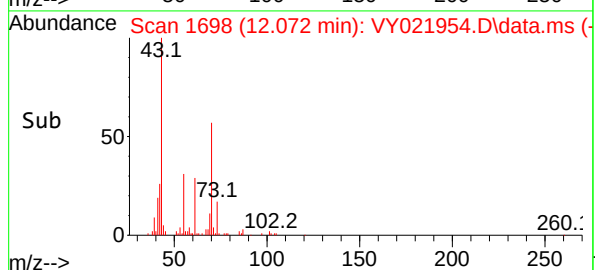
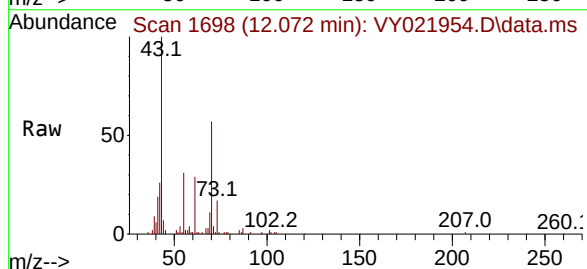
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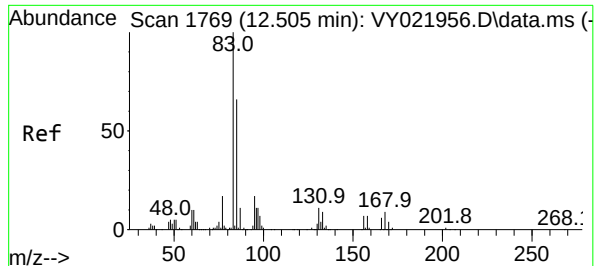
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 9.242 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 23058
Ion Ratio Lower Upper
43 100
70 51.9 43.2 64.8
55 30.4 25.7 38.5
61 27.3 23.0 34.6





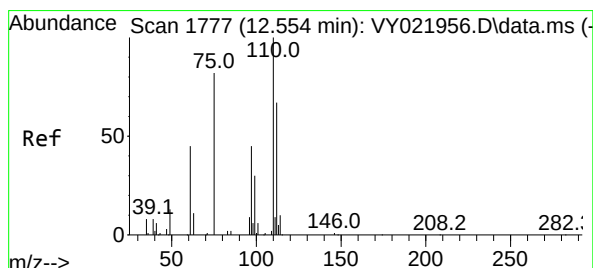
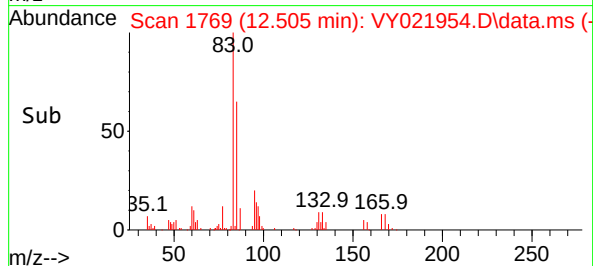
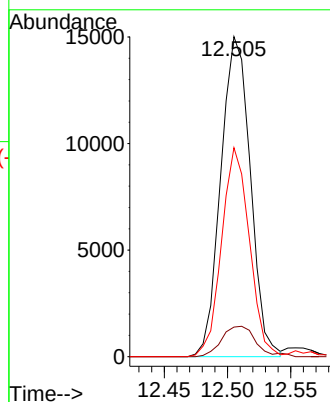
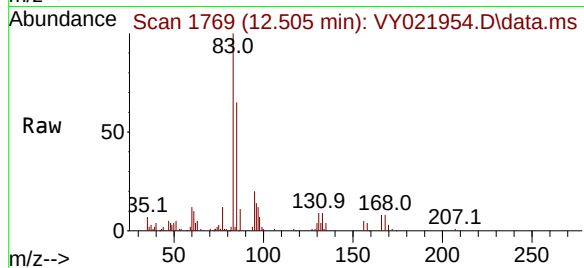
#75
1,1,2,2-Tetrachloroethane
Concen: 9.971 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	83	Resp:	2441
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	61.5	32.3	96.8

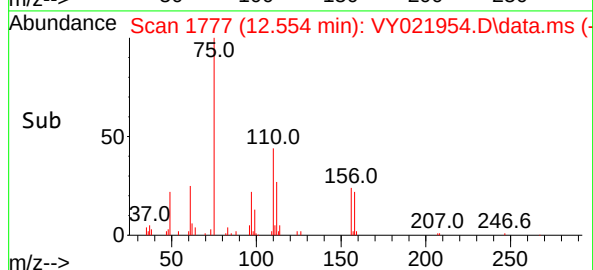
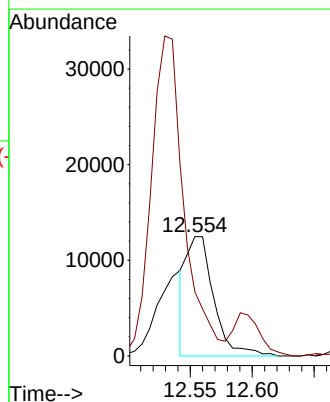
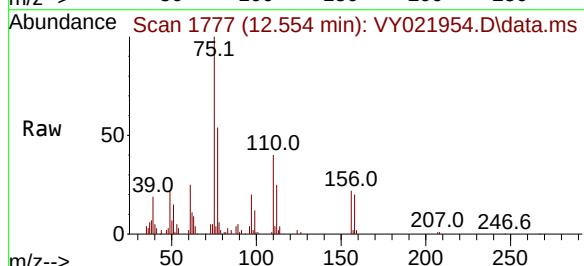
Manual Integrations
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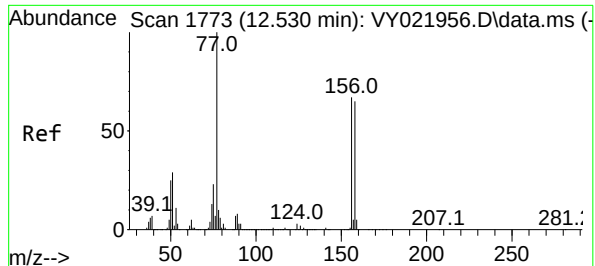
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 10.092 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:	75	Resp:	19328
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





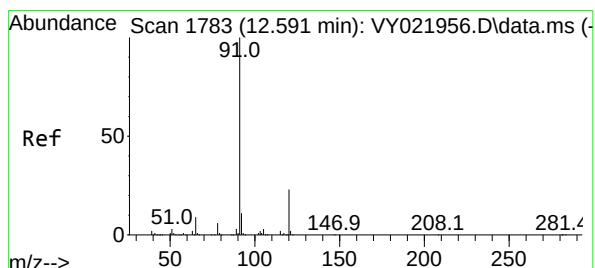
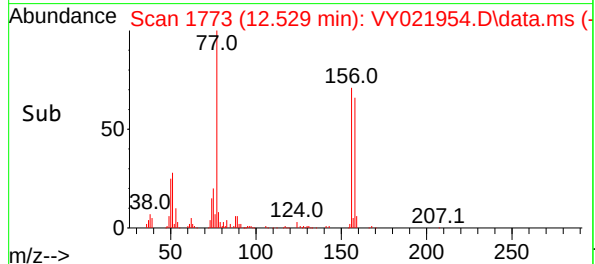
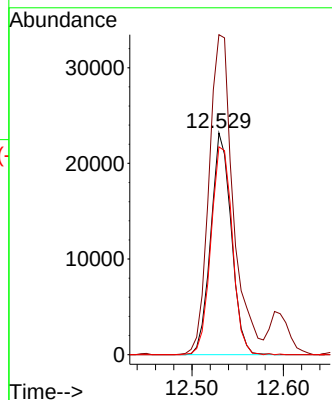
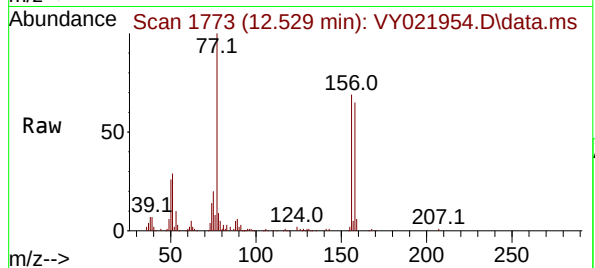
#77
Bromobenzene
Concen: 9.845 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:156 Resp: 3612
Ion Ratio Lower Upper
156 100
77 170.7 82.7 248.1
158 97.5 48.1 144.4

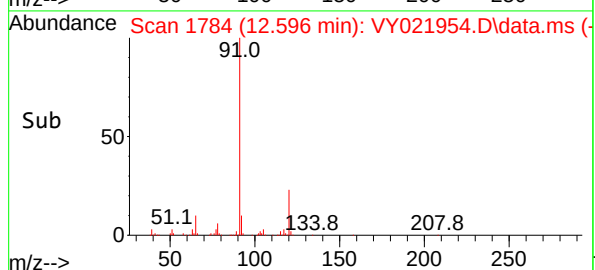
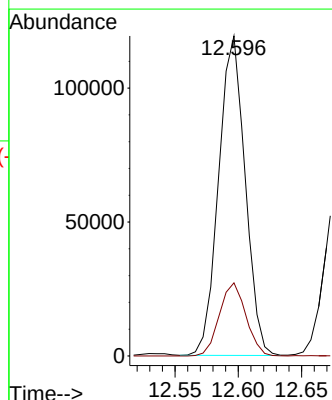
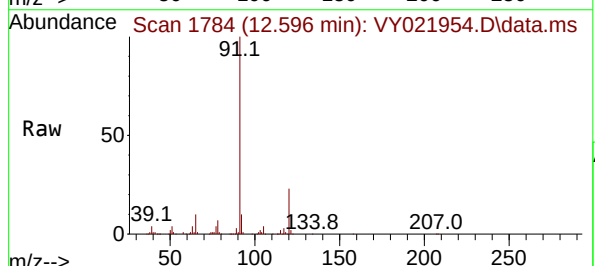
Manual Integrations
APPROVED

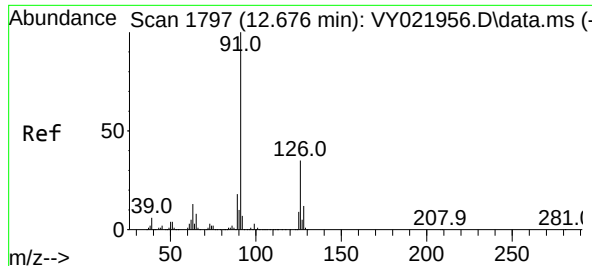
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 10.045 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 173723
Ion Ratio Lower Upper
91 100
120 22.9 11.9 35.5





#79

2-Chlorotoluene

Concen: 10.127 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 10185

Ion Ratio Lower Upper

91 100

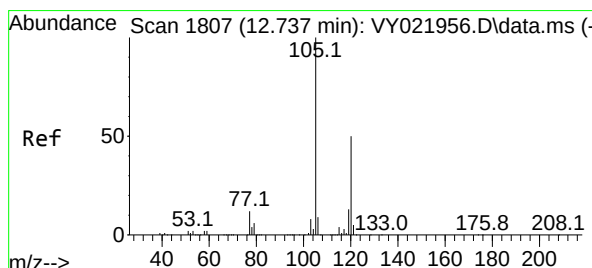
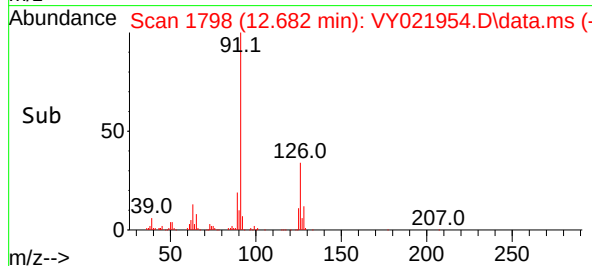
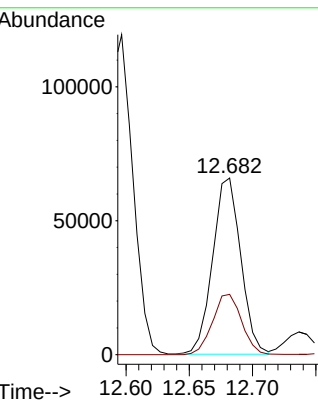
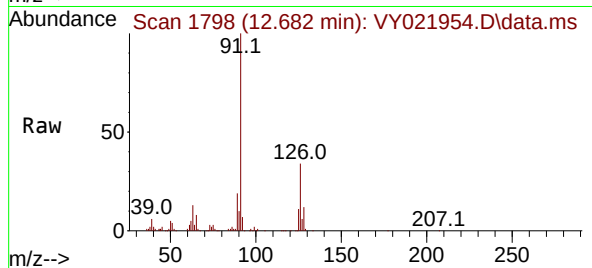
126 35.6 17.9 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.018 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021954.D

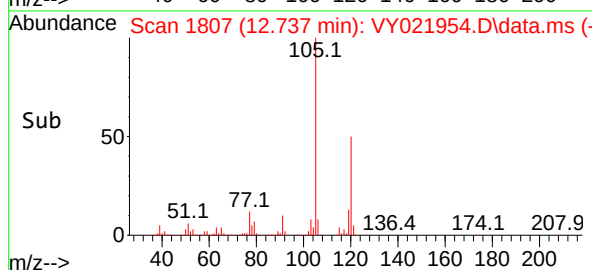
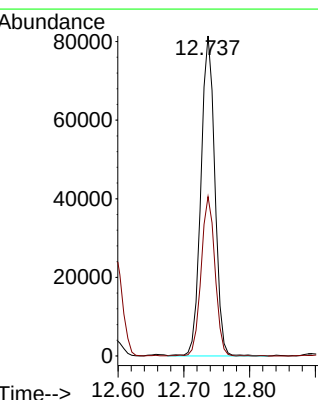
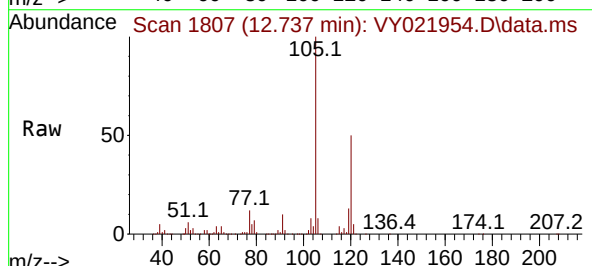
Acq: 22 Apr 2025 14:44

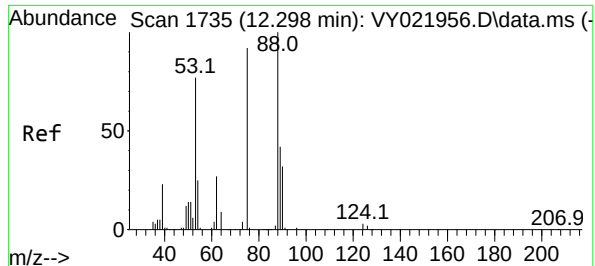
Tgt Ion:105 Resp: 119871

Ion Ratio Lower Upper

105 100

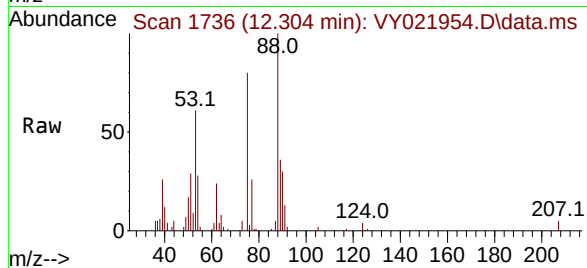
120 49.6 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 9.773 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

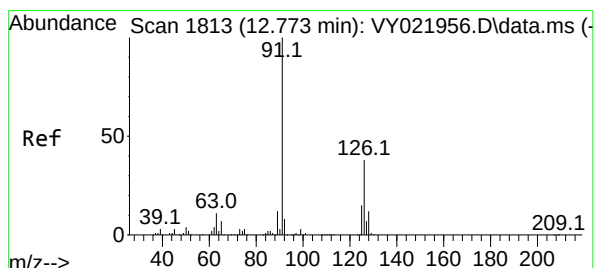
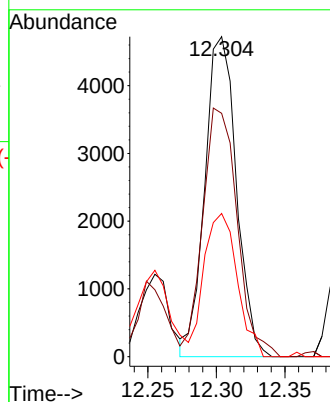
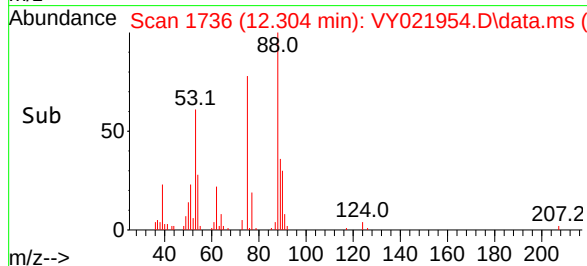
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 7550
Ion Ratio Lower Upper
75 100
53 84.6 66.0 99.0
89 47.0 37.2 55.8

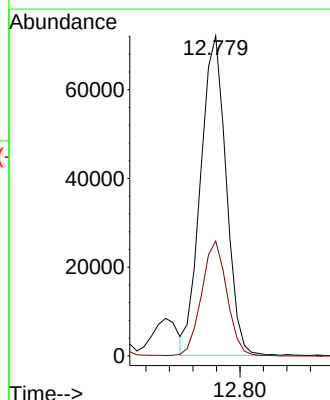
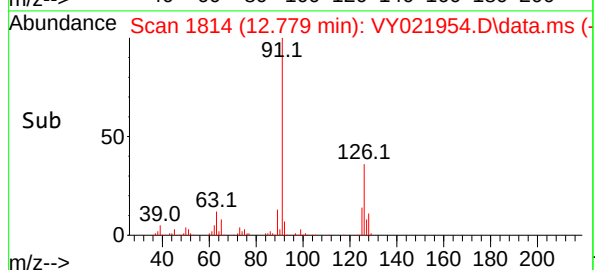
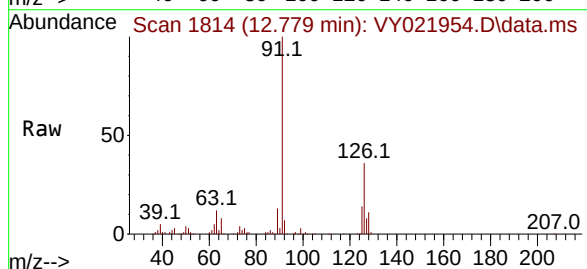
Manual Integrations
APPROVED

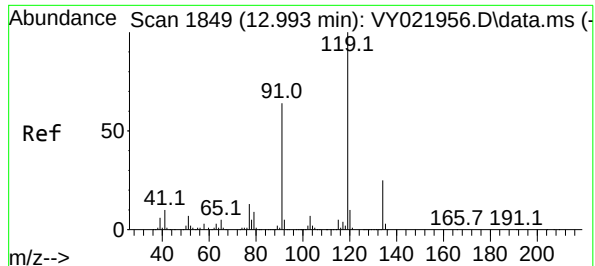
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 10.400 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 108734
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.8





#83

tert-Butylbenzene

Concen: 9.649 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

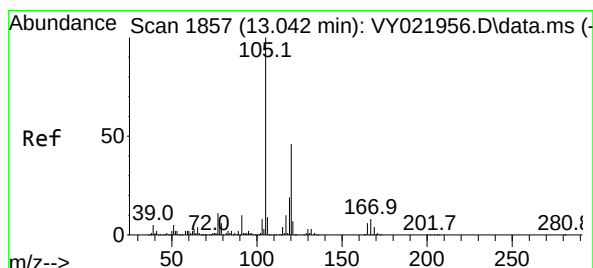
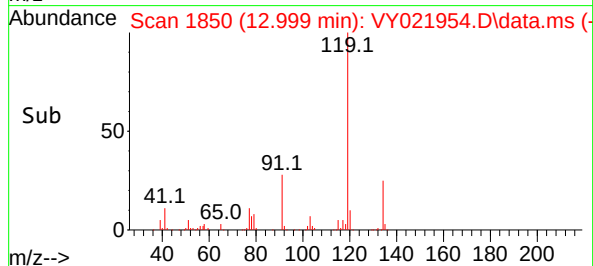
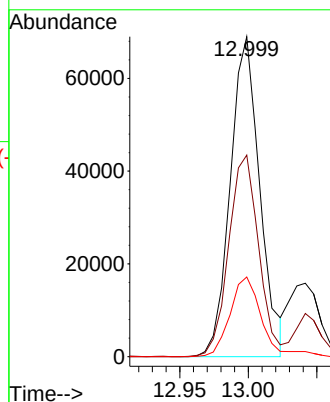
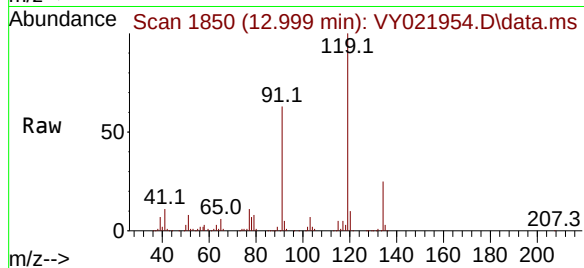
VSTDIC010

Tgt Ion:	119	Resp:	10354
Ion Ratio	Lower	Upper	
119	100		
91	63.8	30.3	90.9
134	26.8	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.870 ug/l

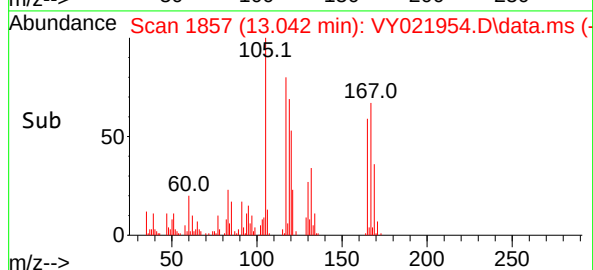
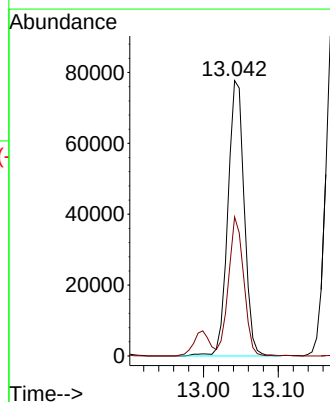
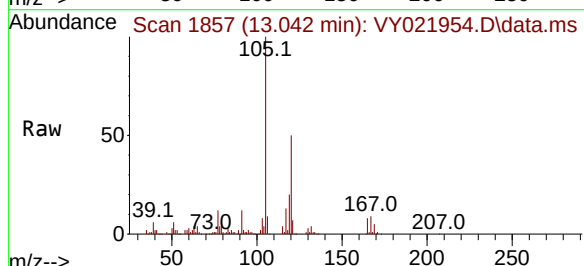
RT: 13.042 min Scan# 1857

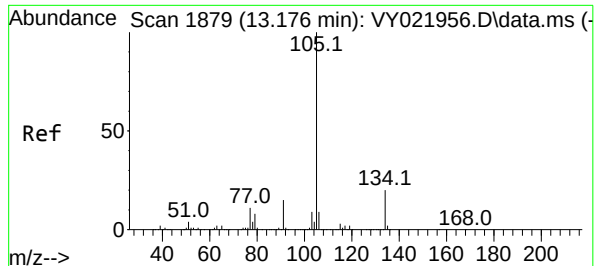
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

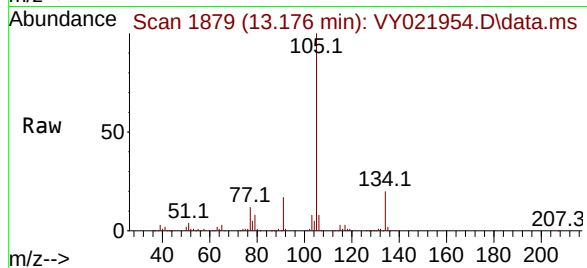
Tgt Ion:	105	Resp:	118119
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.4	70.0





#85
sec-Butylbenzene
Concen: 10.311 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

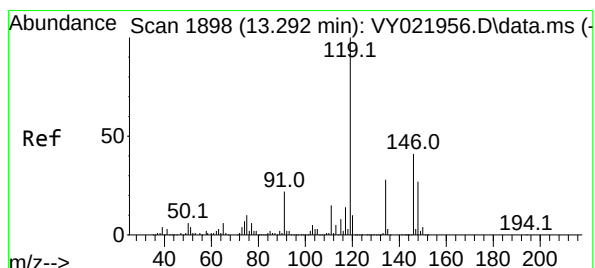
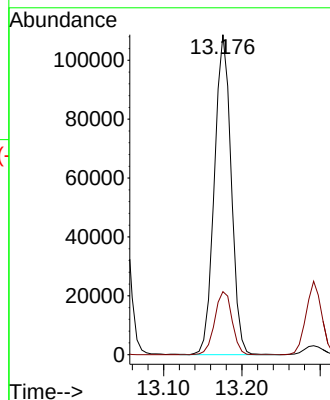
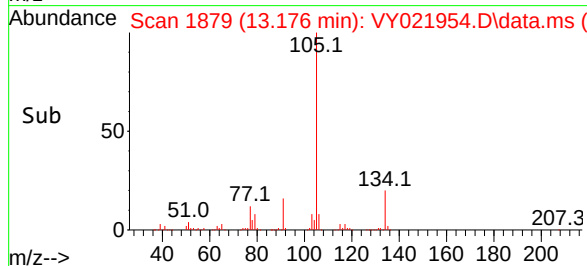
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:105 Resp: 161907
Ion Ratio Lower Upper
105 100
134 20.4 10.3 30.9

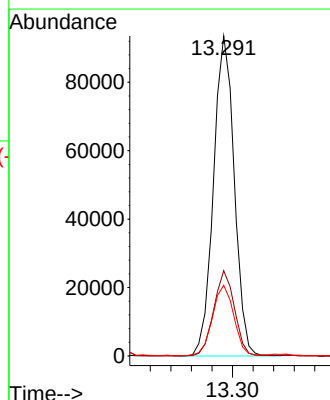
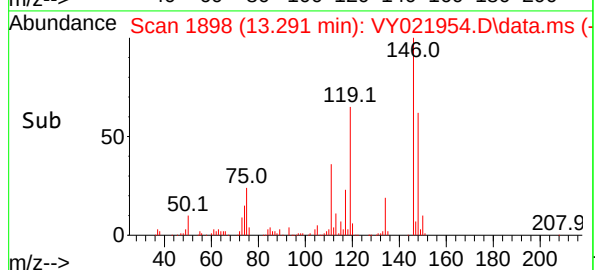
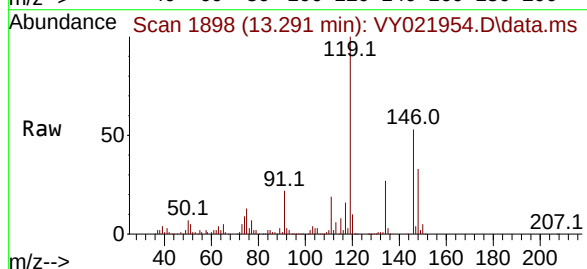
Manual Integrations
APPROVED

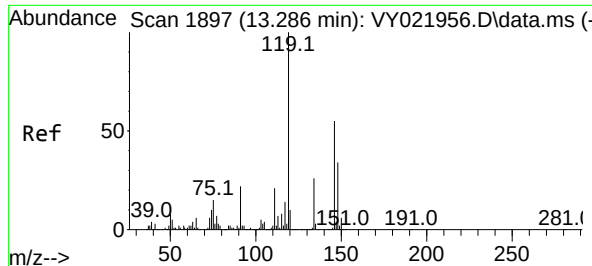
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 9.834 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:119 Resp: 131120
Ion Ratio Lower Upper
119 100
134 26.6 13.6 40.7
91 22.5 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 10.404 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

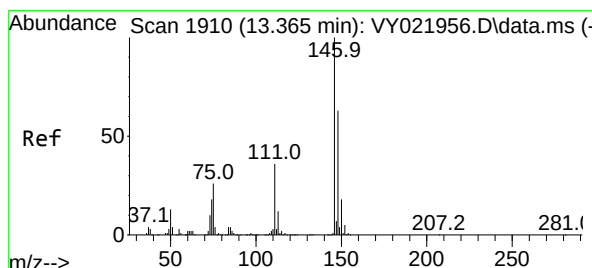
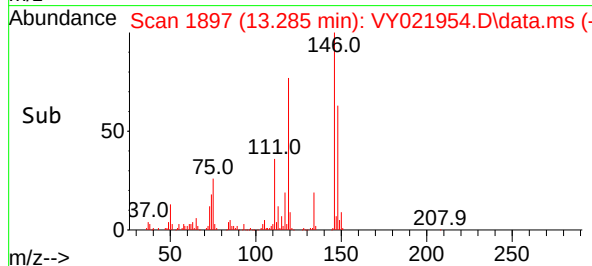
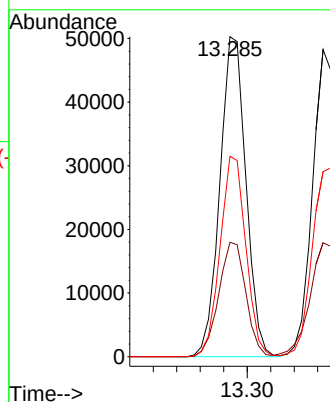
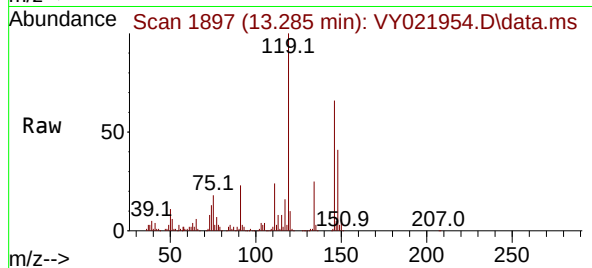
VSTDIC010

Tgt Ion:	146	Resp:	77538
Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	61.9	32.0	96.2

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt	04/23/2025
Supervised By : Mahesh Dadoda	04/23/2025



#88

1,4-Dichlorobenzene

Concen: 10.167 ug/l

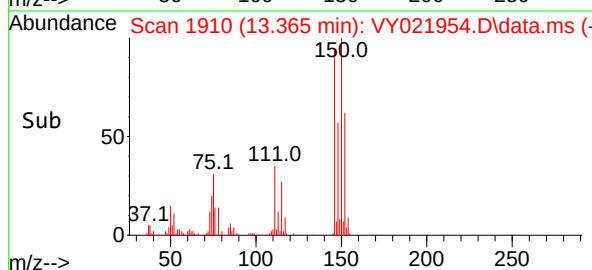
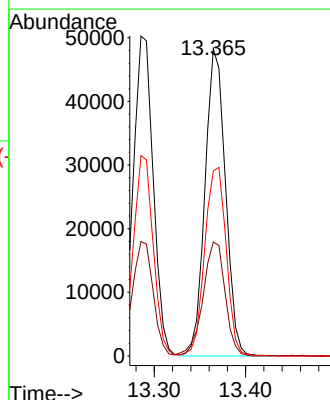
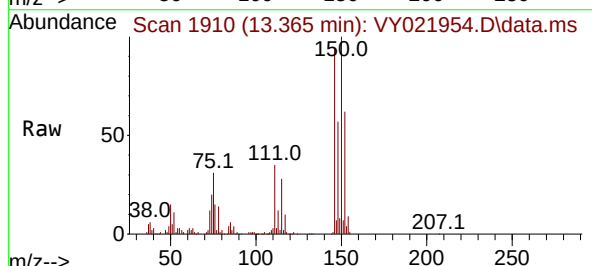
RT: 13.365 min Scan# 1910

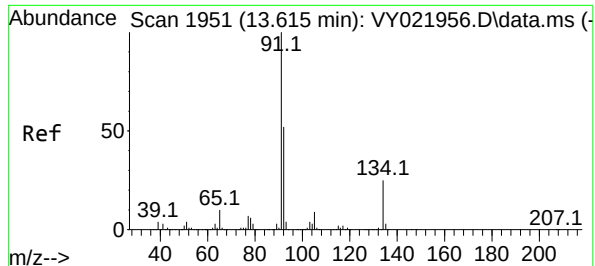
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	146	Resp:	75043
Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.2	57.6
148	64.6	32.0	96.0





#89

n-Butylbenzene

Concen: 10.177 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

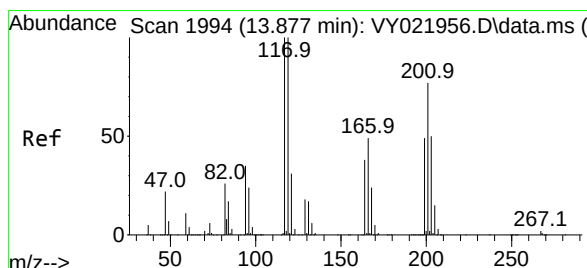
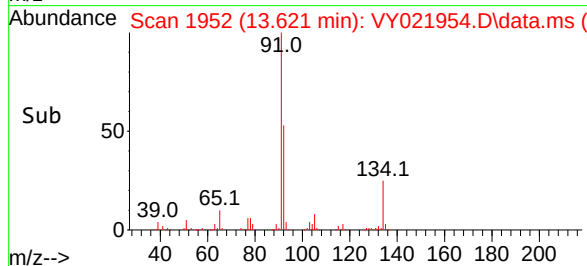
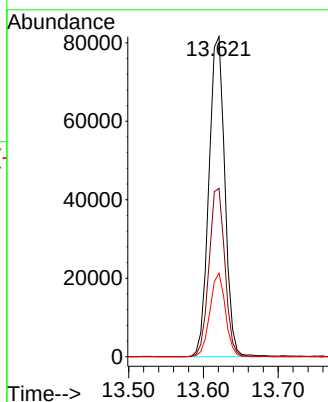
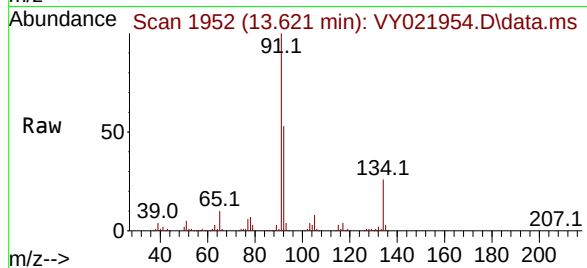
VSTDIC010

Tgt Ion:	91	Resp:	12129
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	25.3	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 10.541 ug/l

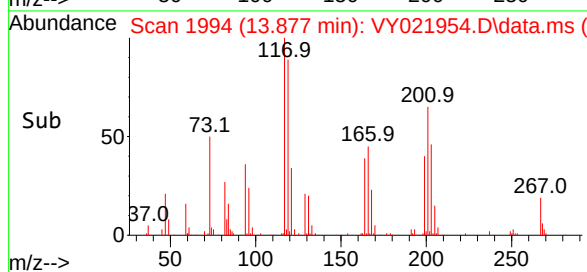
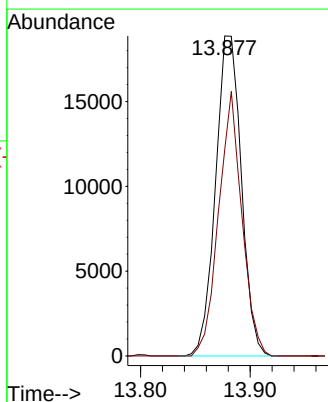
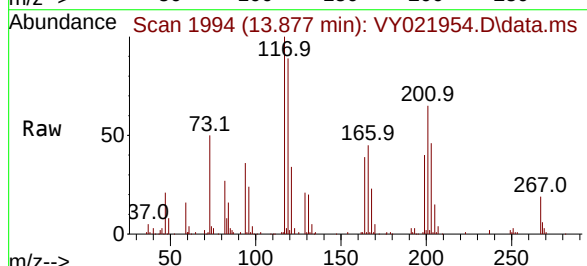
RT: 13.877 min Scan# 1994

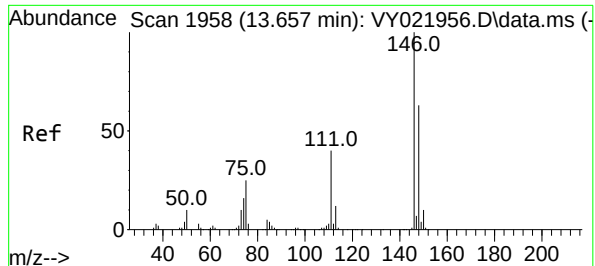
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

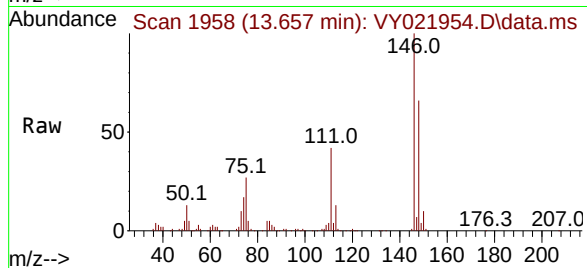
Tgt Ion:	117	Resp:	30881
Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 10.178 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

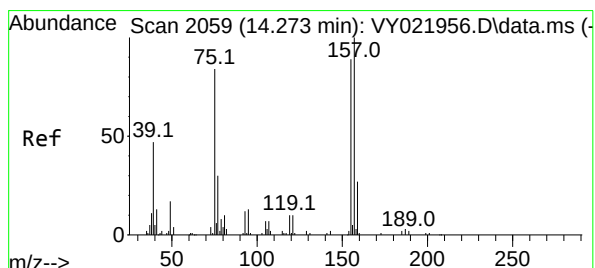
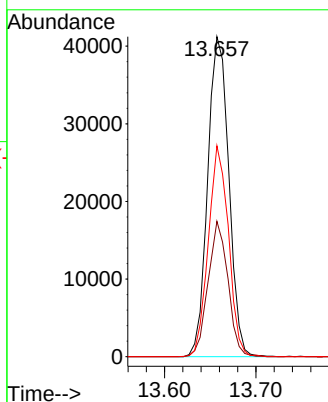
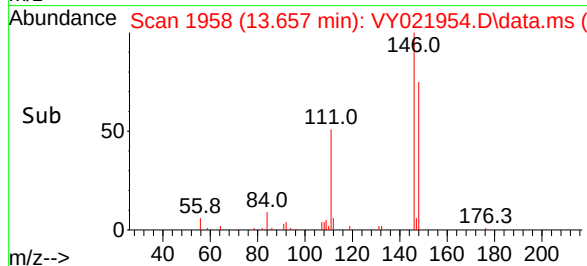
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:146 Resp: 66159
Ion Ratio Lower Upper
146 100
111 39.7 19.7 59.1
148 62.9 32.1 96.3

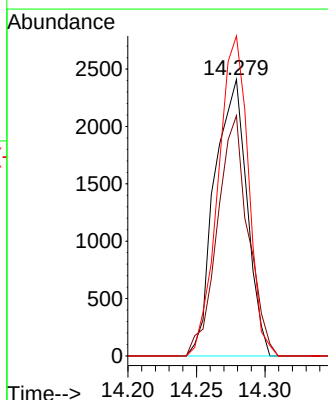
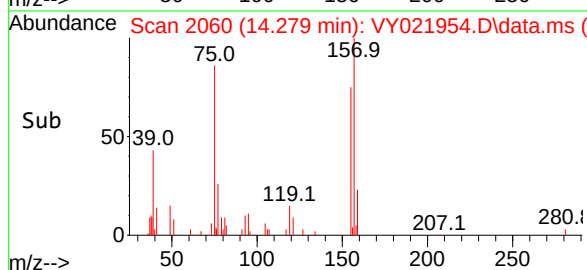
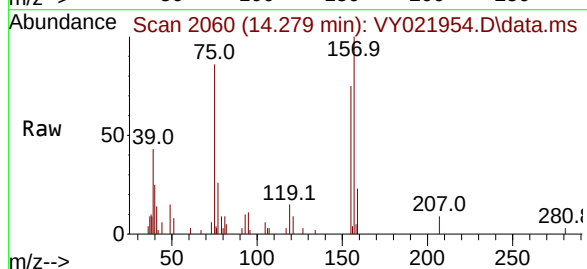
Manual Integrations
APPROVED

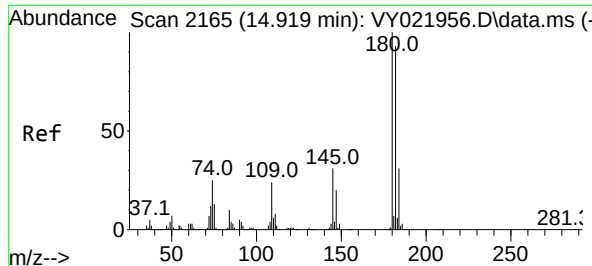
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.153 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 3955
Ion Ratio Lower Upper
75 100
155 82.8 50.7 152.3
157 108.3 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 9.446 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

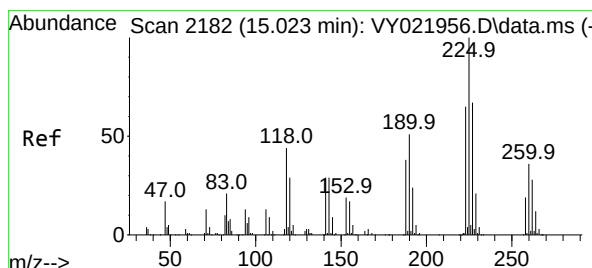
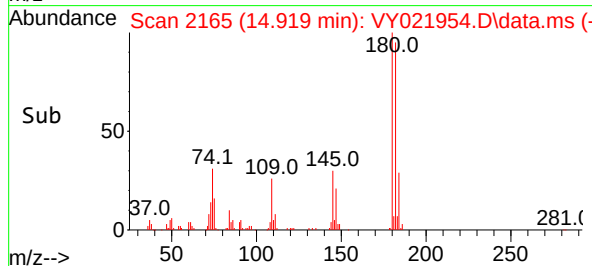
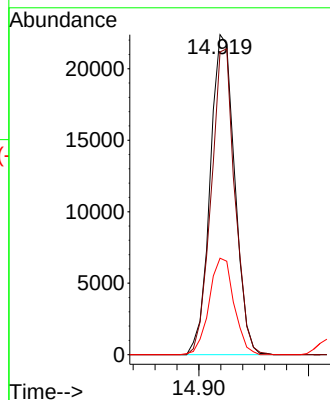
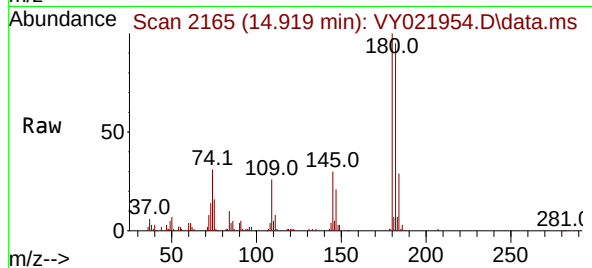
VSTDIC010

Tgt Ion:	180	Resp:	3479
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.1	141.4
145	30.5	15.0	45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 10.457 ug/l

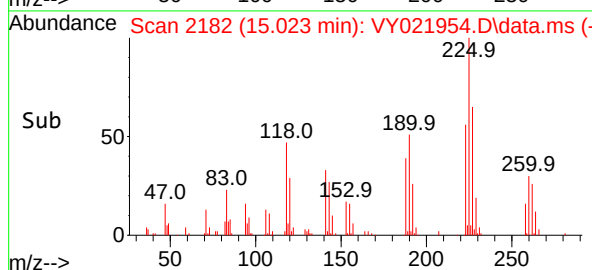
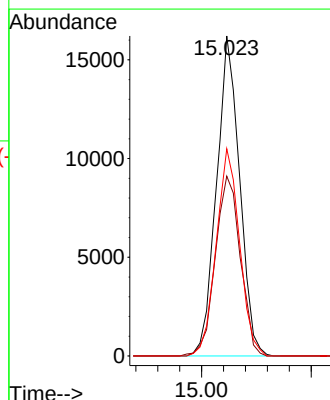
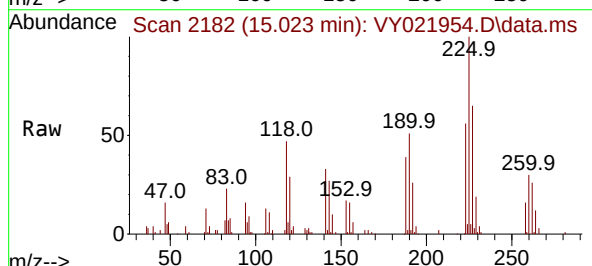
RT: 15.023 min Scan# 2182

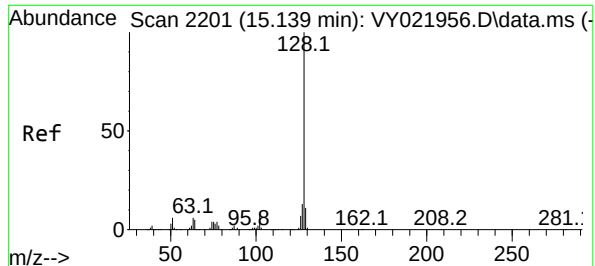
Delta R.T. -0.000 min

Lab File: VY021954.D

Acq: 22 Apr 2025 14:44

Tgt Ion:	225	Resp:	23698
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.9	95.5
227	65.5	32.3	96.9





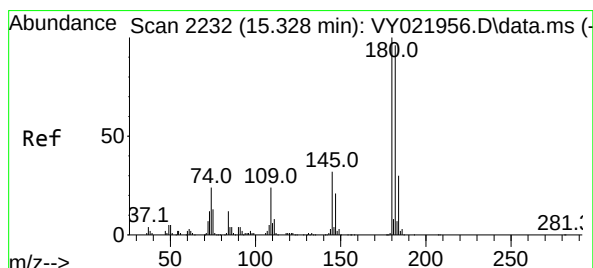
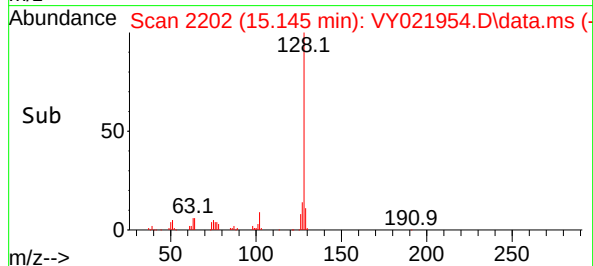
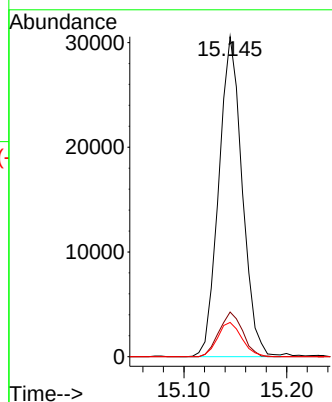
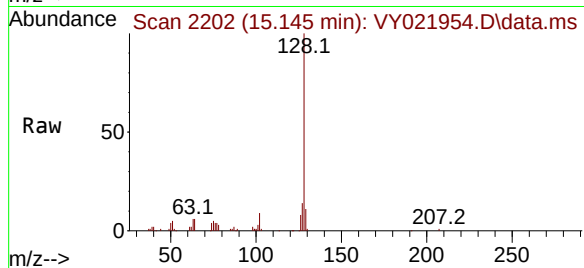
#95
Naphthalene
Concen: 7.904 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 48360
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.1 8.9 13.3

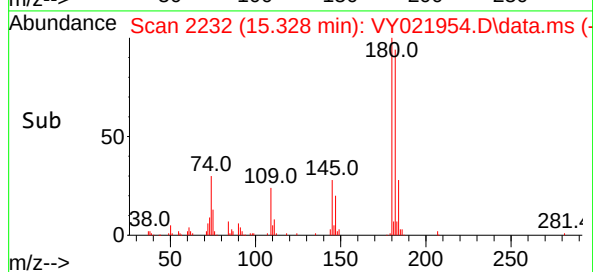
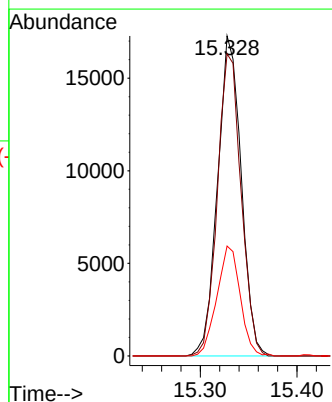
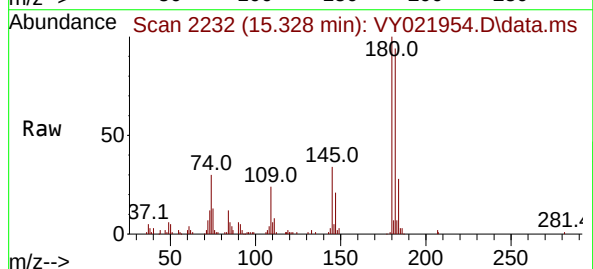
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.207 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:180 Resp: 29276
Ion Ratio Lower Upper
180 100
182 94.5 48.1 144.4
145 34.0 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l	
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l	100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l #	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l	98
46) Dibromomethane	9.225	93	36893	20.018	ug/l	97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l	99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l	97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l	99
52) Toluene	10.170	92	168035	19.499	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l	99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l	99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l	99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l	98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l	99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l	98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l	98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l	99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l	99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l	99
69) o-Xylene	11.956	106	112603	18.945	ug/l	100
70) Styrene	11.969	104	191106	19.149	ug/l	99
71) Bromoform	12.133	173	39690	19.573	ug/l #	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l	100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l	
77) Bromobenzene	12.530	156	73838	18.490	ug/l	97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l	99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l	96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l	100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l	99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l	100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l	99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l	98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l	99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l	98
95) Naphthalene	15.145	128	121454	18.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

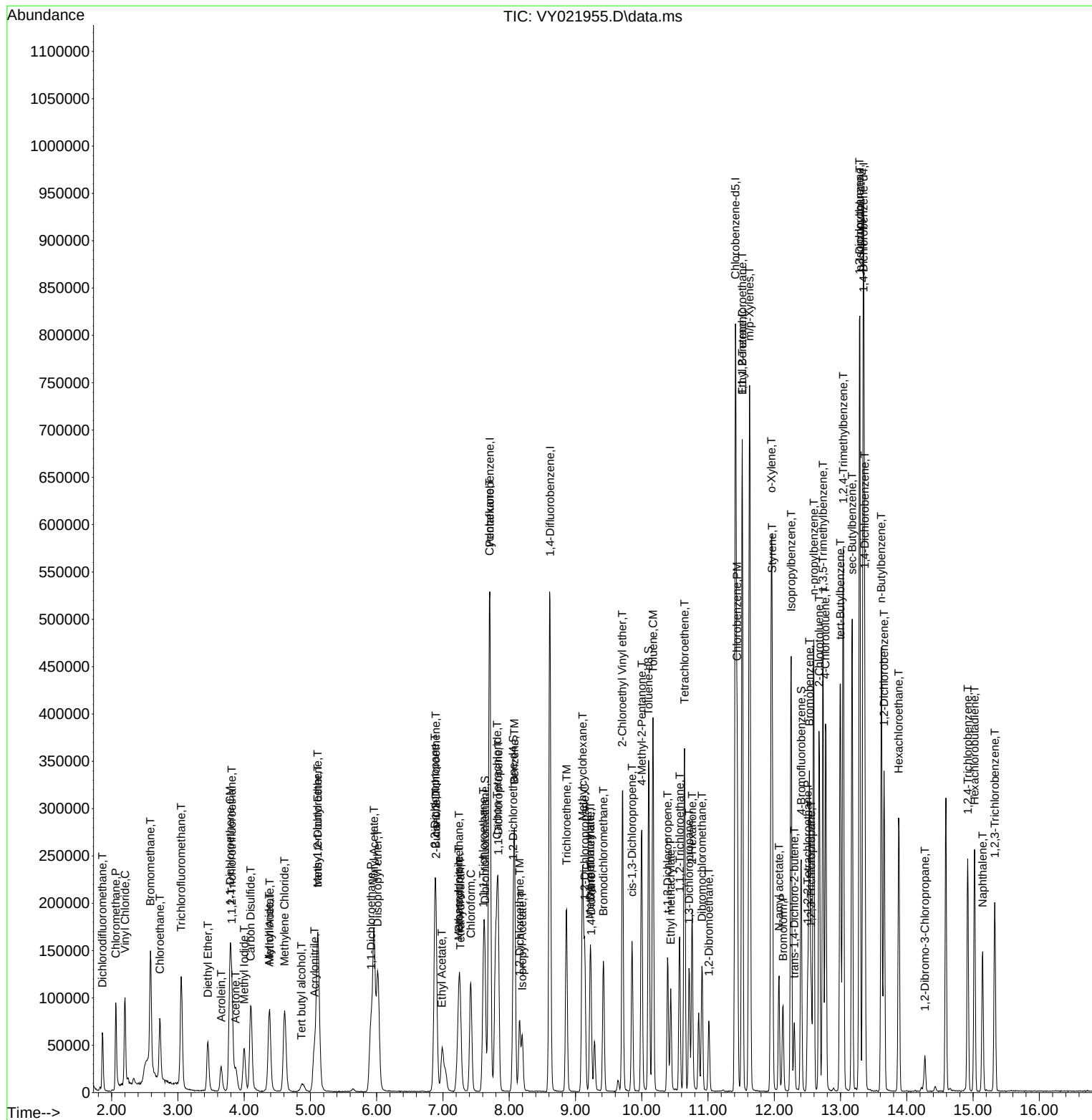
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

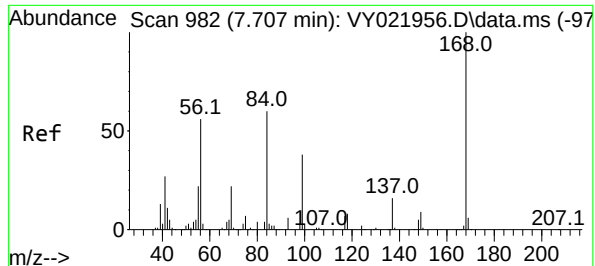
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations

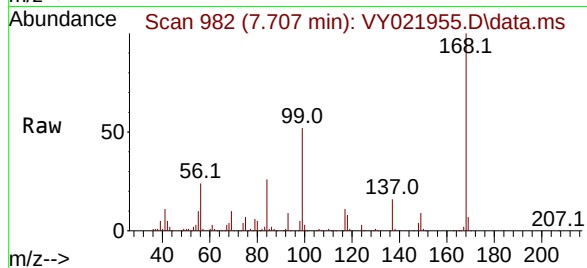
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

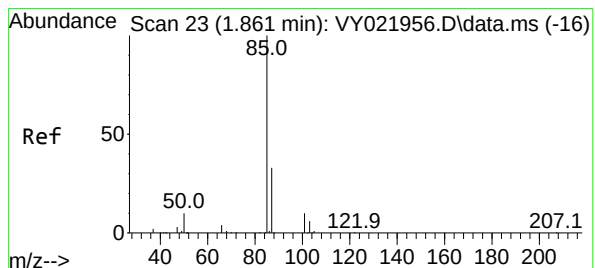
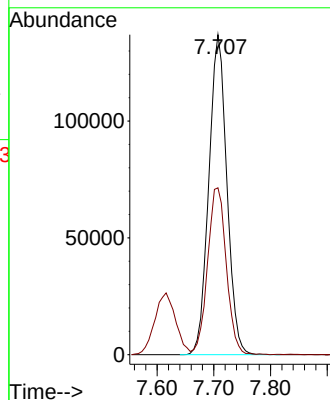
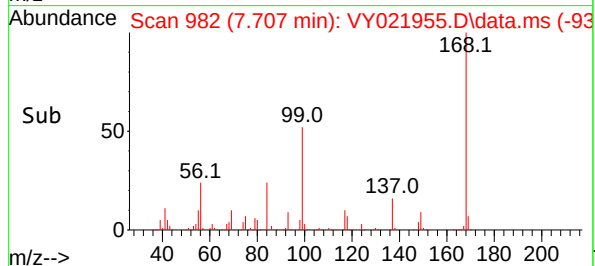
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:168 Resp: 30278
Ion Ratio Lower Upper
168 100
99 52.1 43.1 64.7

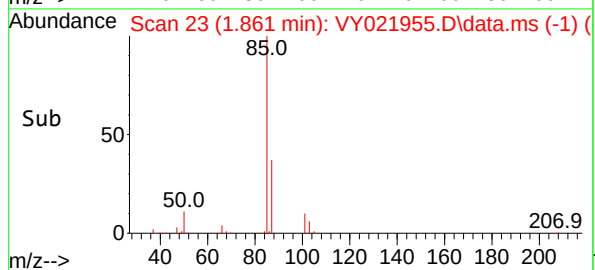
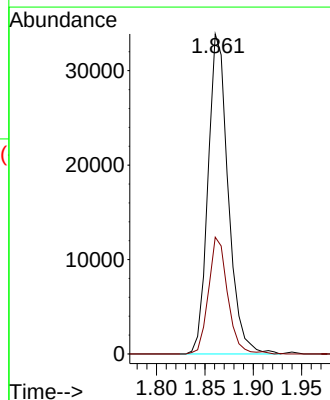
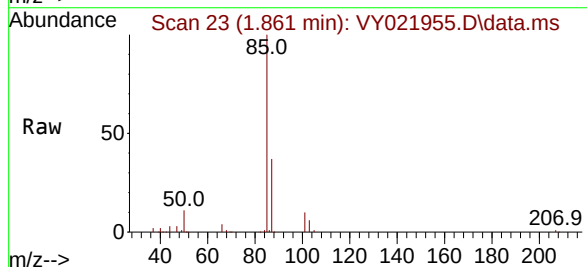
Manual Integrations
APPROVED

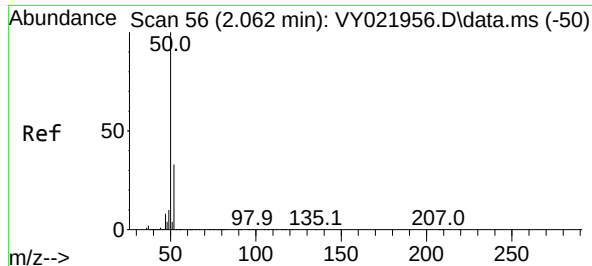
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 19.018 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

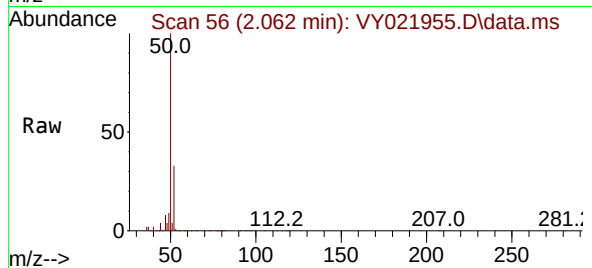
Tgt Ion: 85 Resp: 49065
Ion Ratio Lower Upper
85 100
87 36.5 16.6 49.7





#3
Chloromethane
Concen: 20.957 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

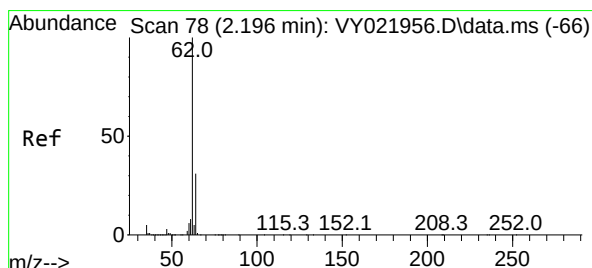
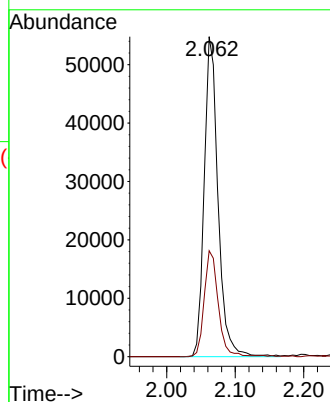
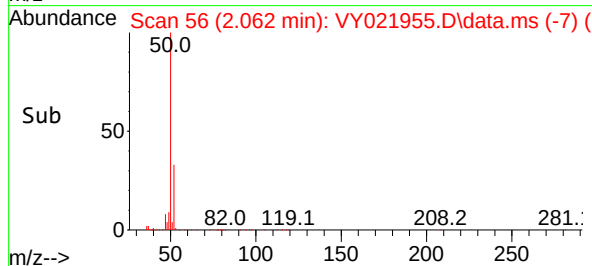
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 76990
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1

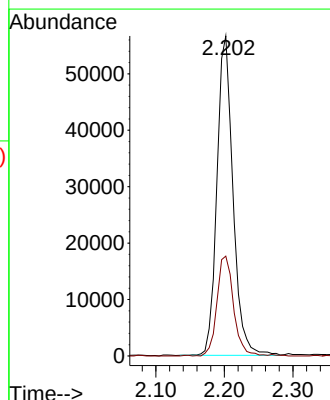
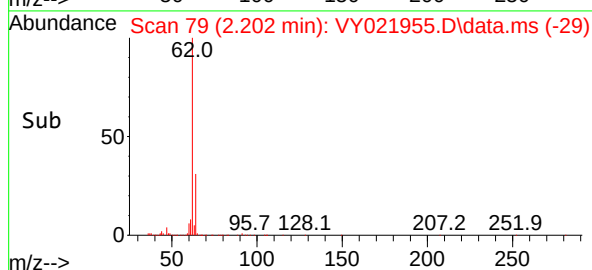
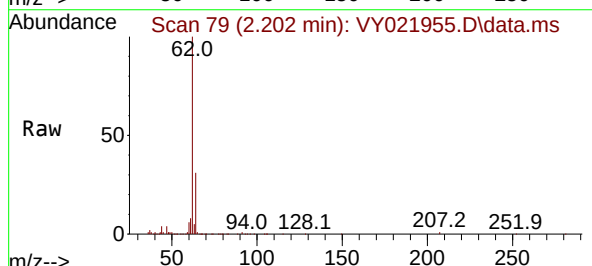
Manual Integrations
APPROVED

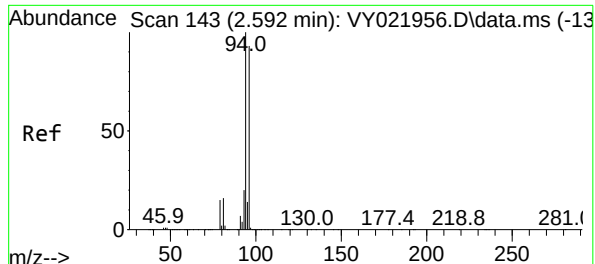
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 20.326 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

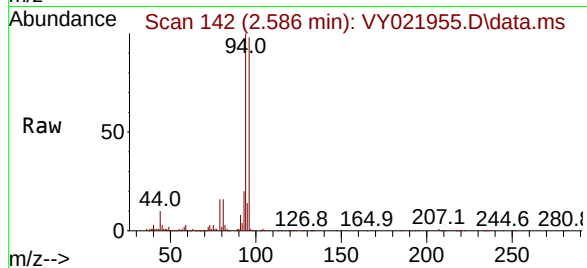
Tgt Ion: 62 Resp: 91757
Ion Ratio Lower Upper
62 100
64 31.3 25.1 37.7





#5
Bromomethane
Concen: 20.981 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

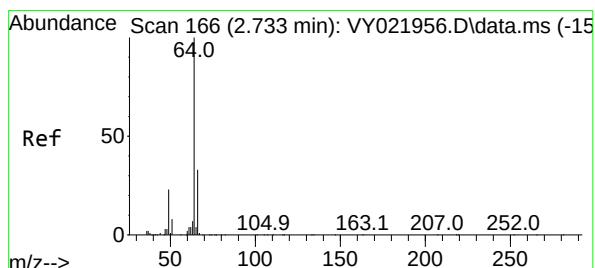
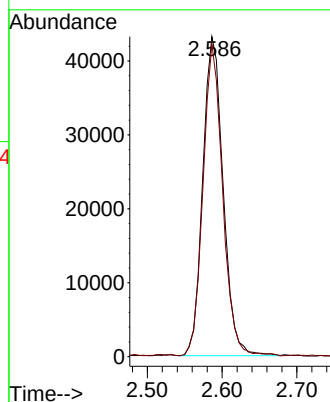
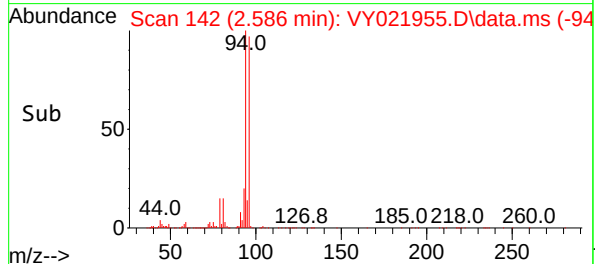
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 94 Resp: 81602
Ion Ratio Lower Upper
94 100
96 97.7 74.6 111.8

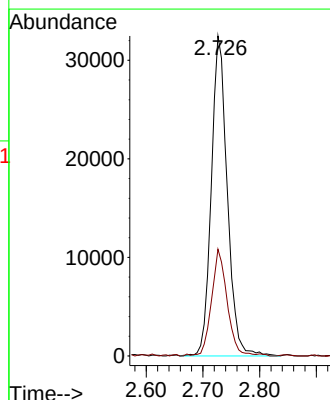
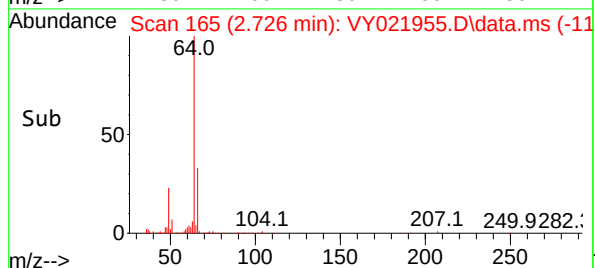
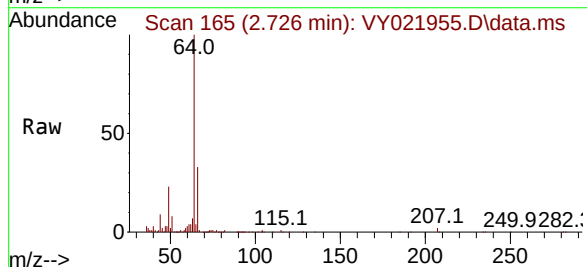
Manual Integrations
APPROVED

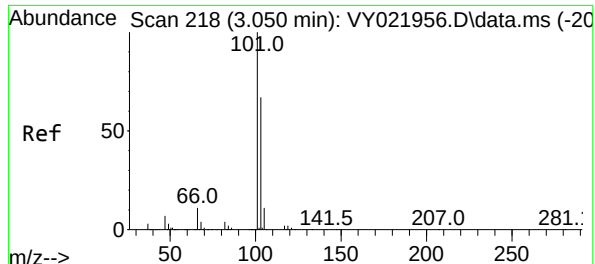
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 20.654 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

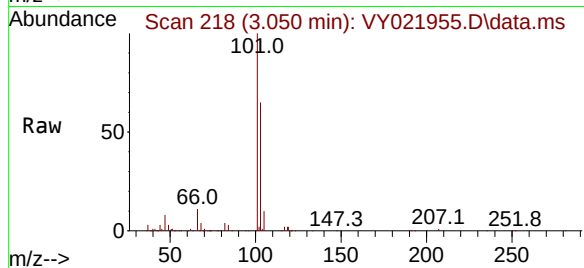
Tgt Ion: 64 Resp: 63501
Ion Ratio Lower Upper
64 100
66 33.3 26.2 39.4





#7
Trichlorofluoromethane
Concen: 20.079 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

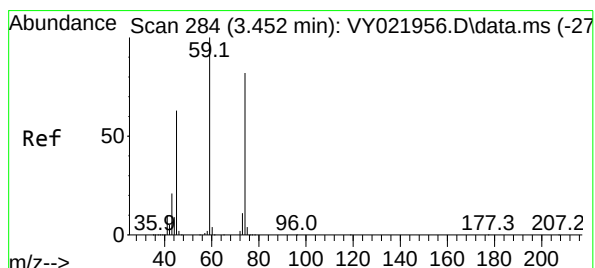
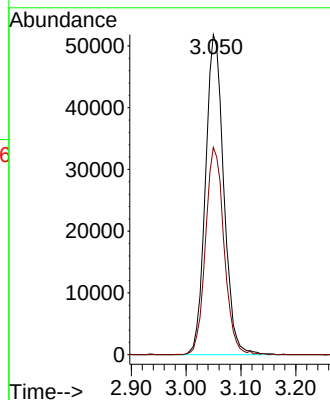
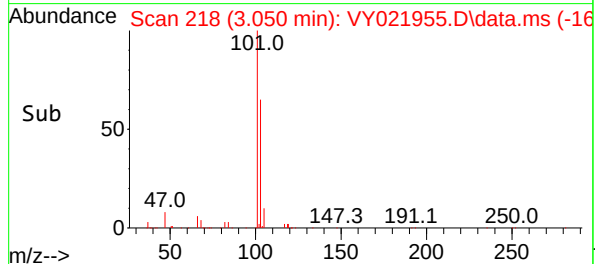
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 101 Resp: 119529
Ion Ratio Lower Upper
101 100
103 64.8 53.6 80.4

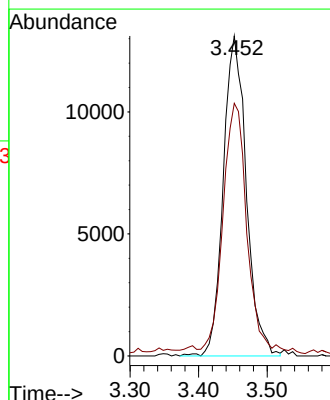
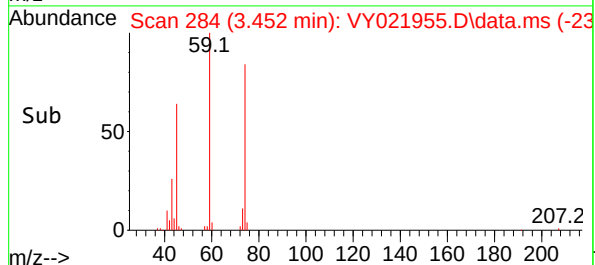
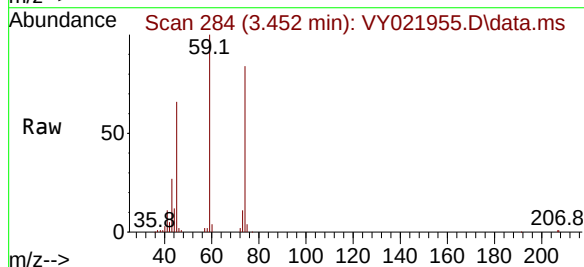
Manual Integrations
APPROVED

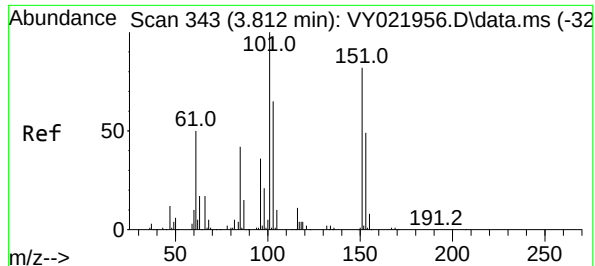
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 19.755 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 74 Resp: 30609
Ion Ratio Lower Upper
74 100
45 81.9 39.1 117.5





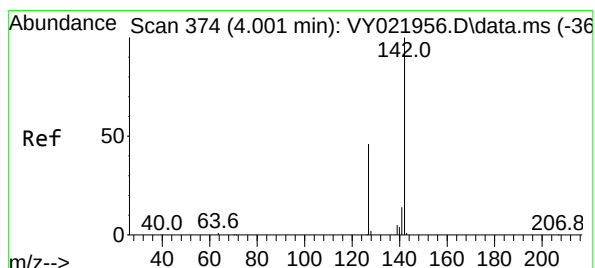
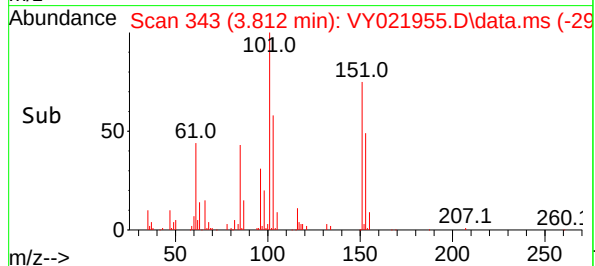
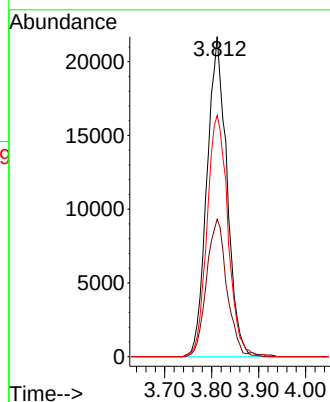
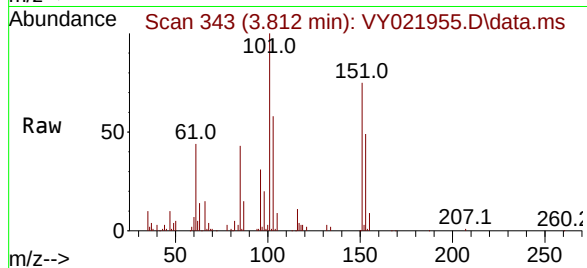
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.872 ug/l
RT: 3.812 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 64172
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 78.5 63.7 95.5

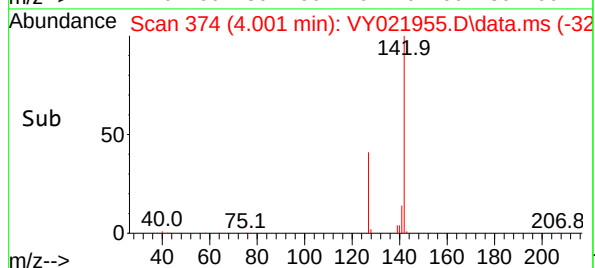
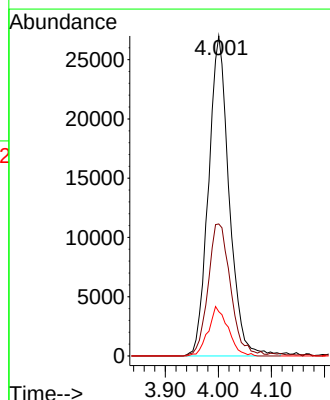
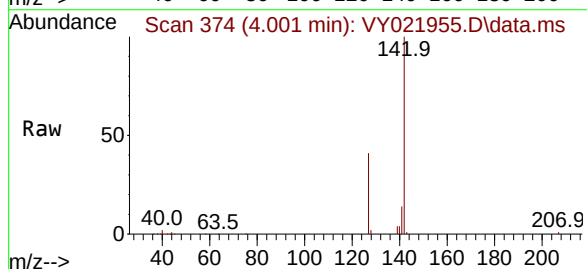
Manual Integrations
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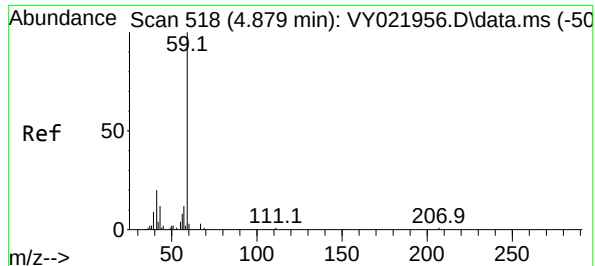
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 19.575 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:142 Resp: 73189
Ion Ratio Lower Upper
142 100
127 44.9 36.2 54.2
141 14.8 11.7 17.5





#11

Tert butyl alcohol

Concen: 108.012 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 16584

Ion Ratio Lower Upper

59 100

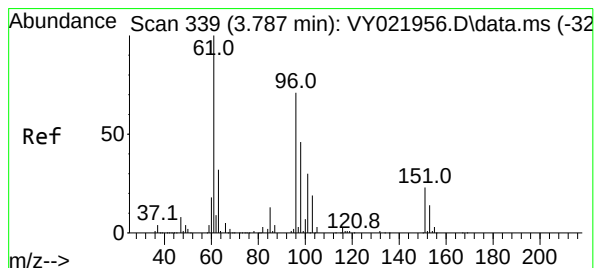
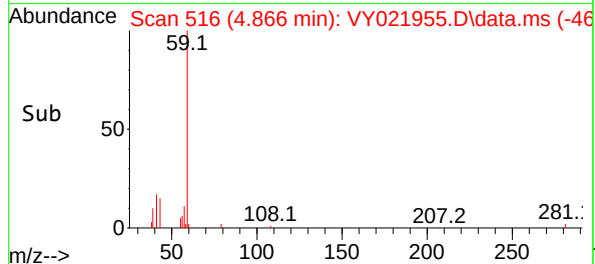
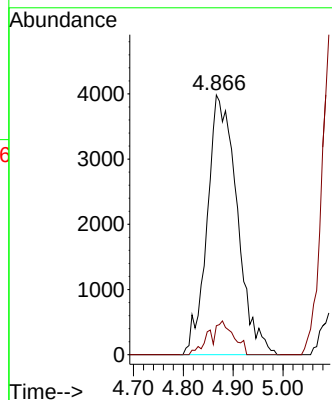
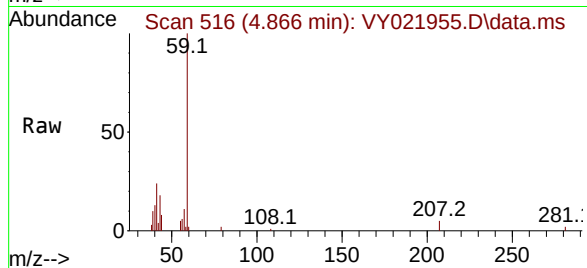
57 7.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 19.437 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

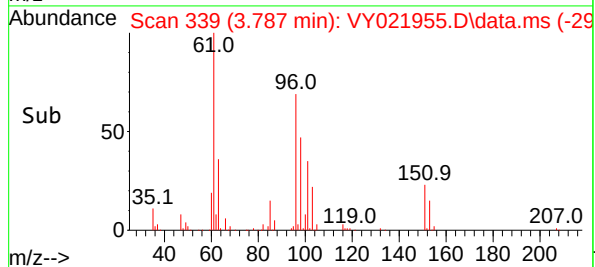
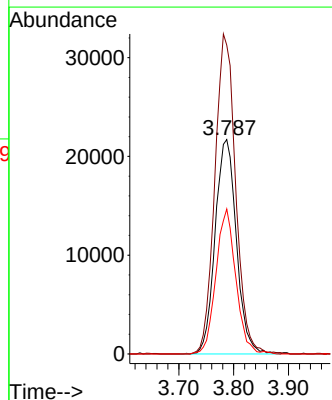
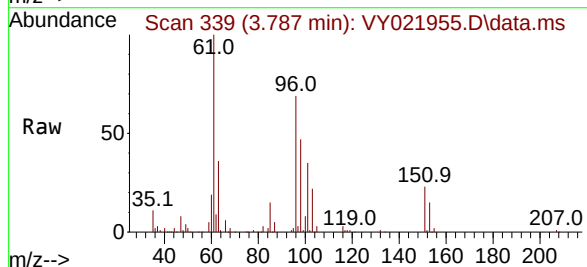
Tgt Ion: 96 Resp: 58505

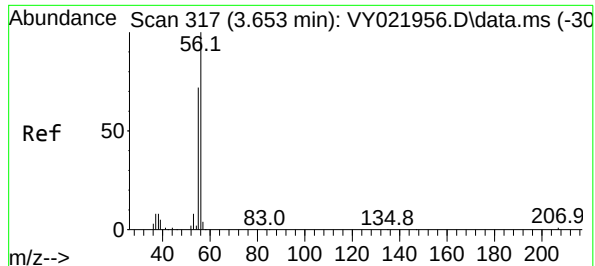
Ion Ratio Lower Upper

96 100

61 144.0 113.0 169.4

98 67.6 51.4 77.2





#13

Acrolein

Concen: 112.069 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 3088

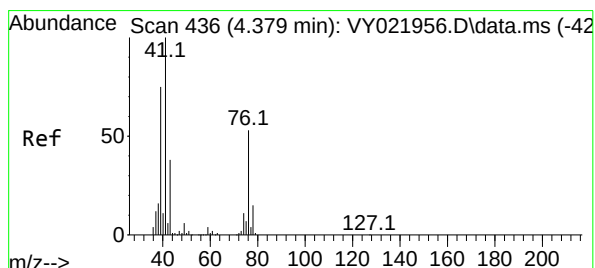
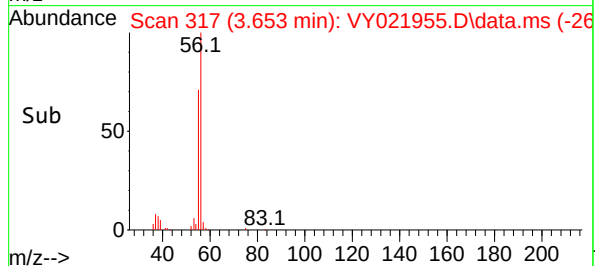
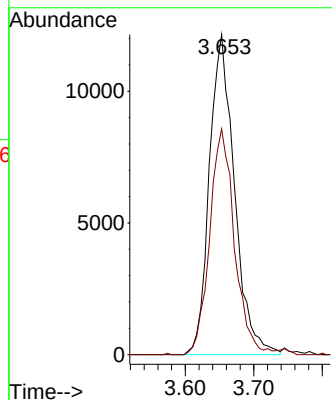
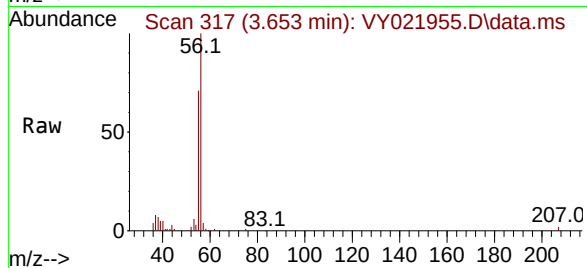
Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

#14

Allyl chloride

Concen: 19.294 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

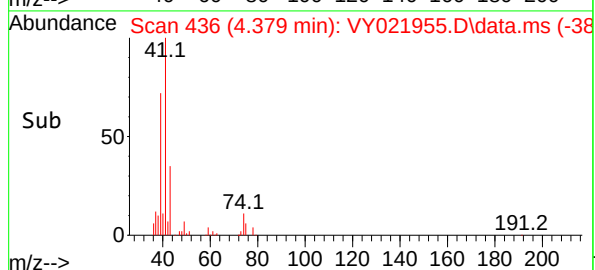
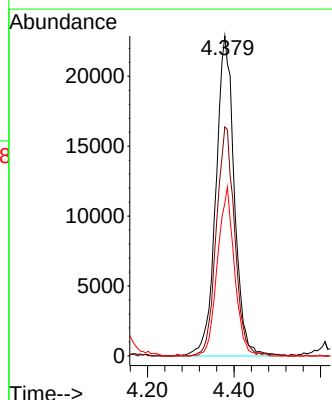
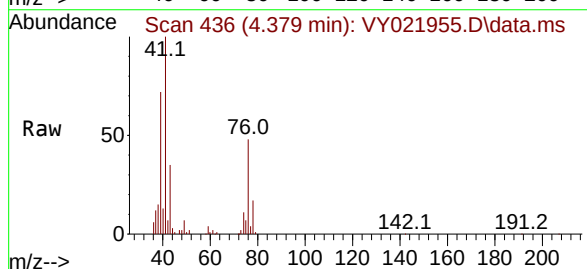
Tgt Ion: 41 Resp: 67622

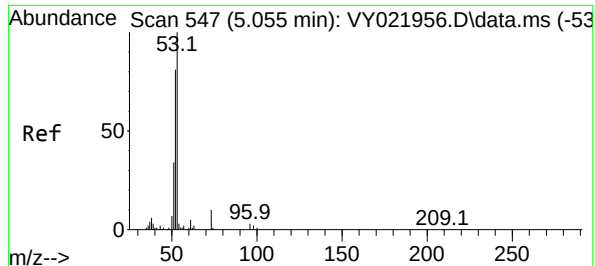
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 48.5 39.7 59.5





#15

Acrylonitrile

Concen: 105.648 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

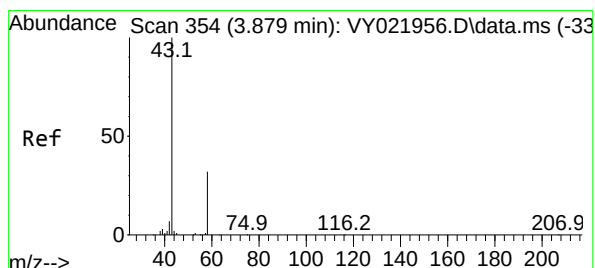
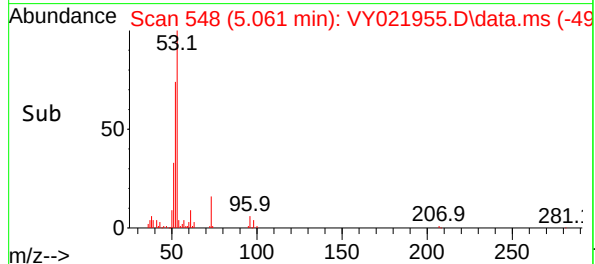
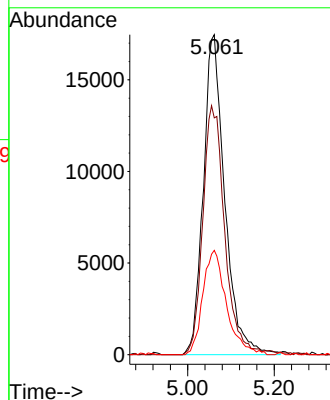
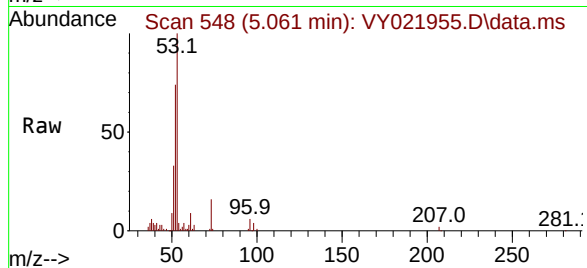
VSTDICC020

Tgt Ion:	53	Resp:	59920
Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.0	97.6
51	36.0	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 96.689 ug/l

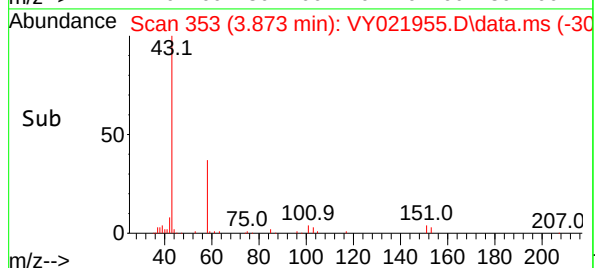
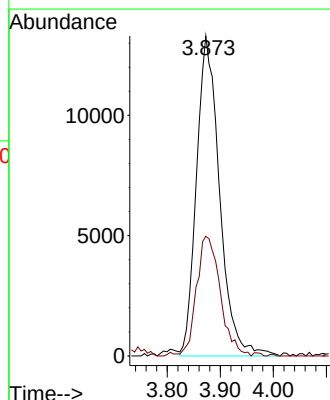
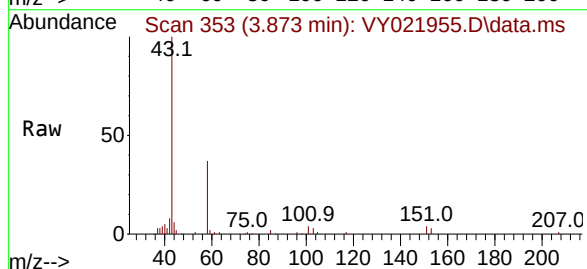
RT: 3.873 min Scan# 353

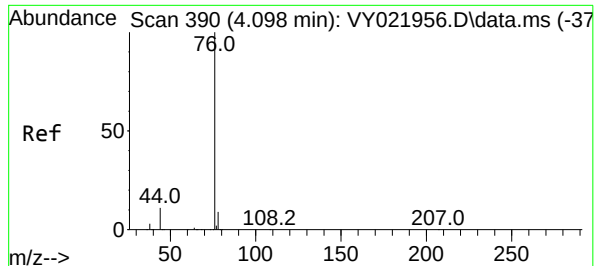
Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

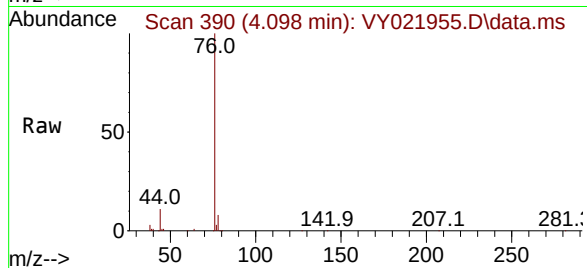
Tgt Ion:	43	Resp:	40190
Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.0	40.4





#17
Carbon Disulfide
Concen: 19.796 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

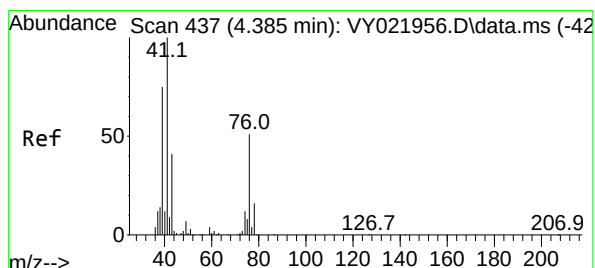
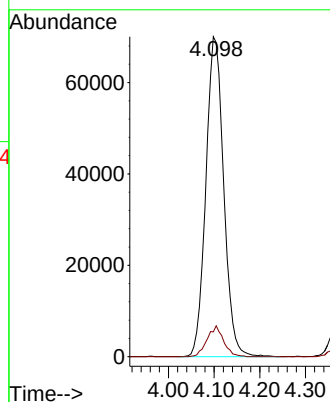
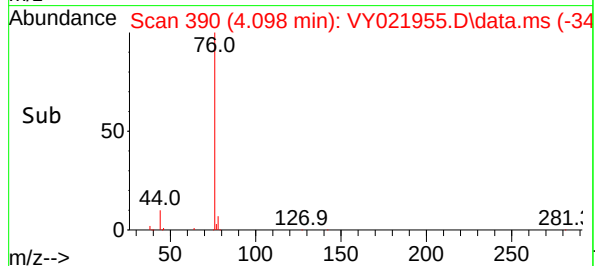
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 18998
Ion Ratio Lower Upper
76 100
78 7.8 7.6 11.4

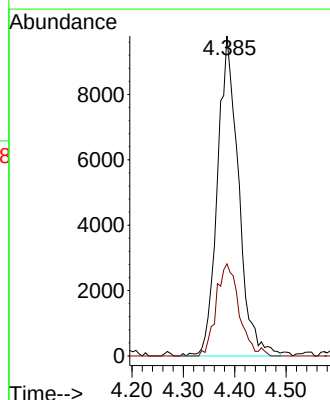
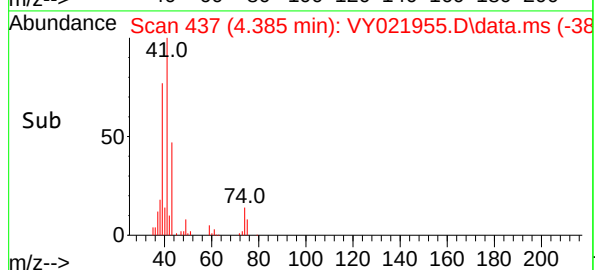
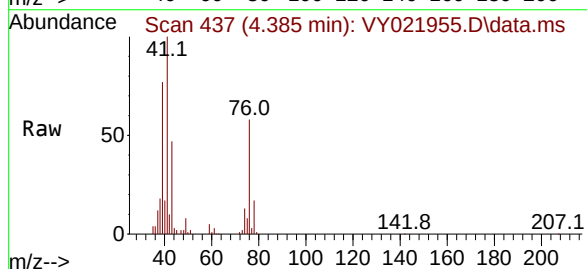
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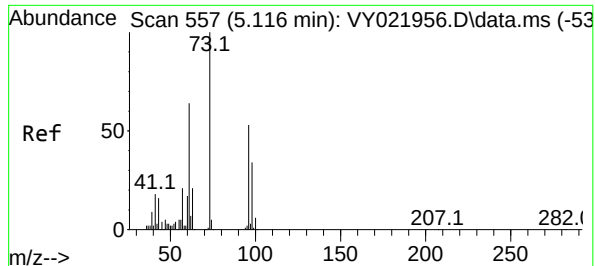
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 21.423 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 27988
Ion Ratio Lower Upper
43 100
74 30.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.820 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 13352

Ion Ratio Lower Upper

73 100

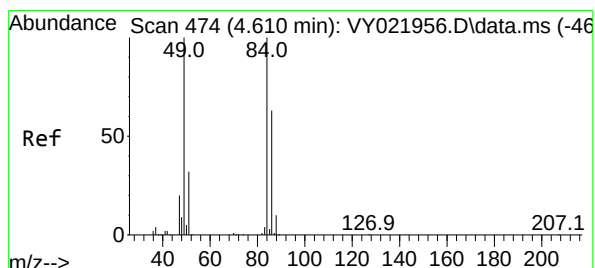
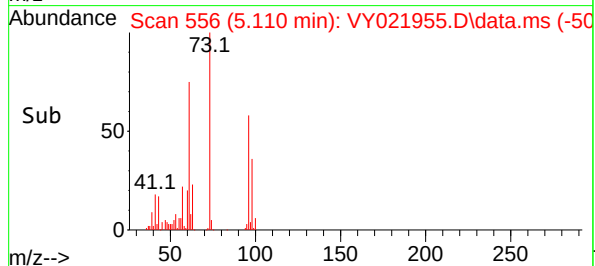
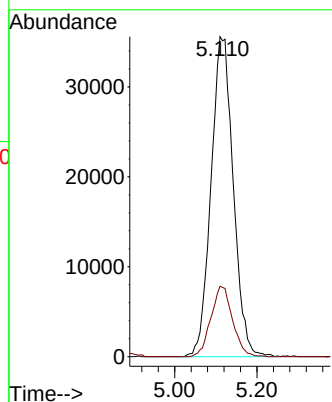
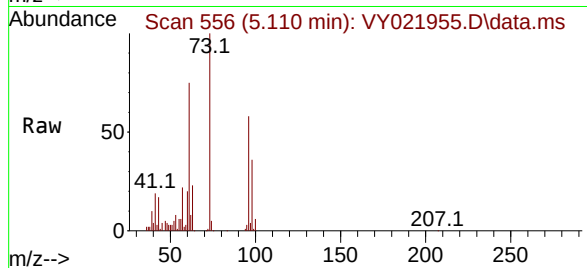
57 22.0 16.9 25.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 19.673 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion: 84 Resp: 69571

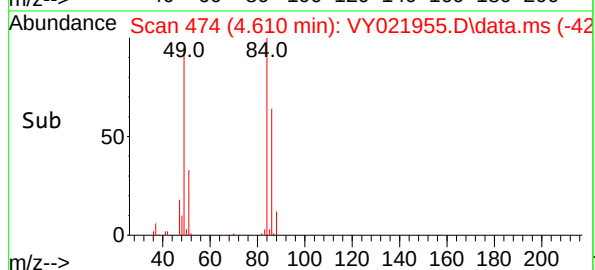
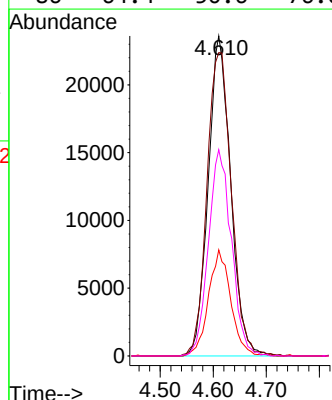
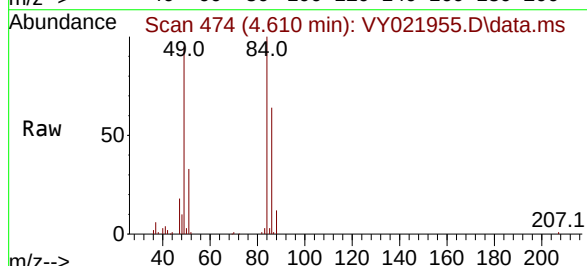
Ion Ratio Lower Upper

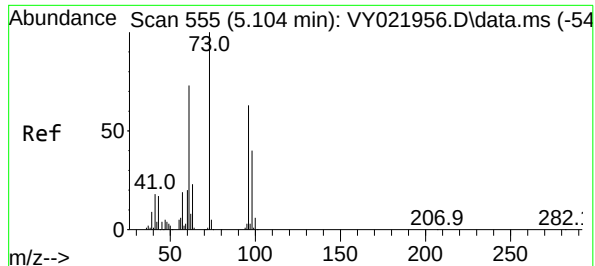
84 100

49 94.8 79.9 119.9

51 33.2 25.4 38.0

86 64.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.148 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 6454

Ion Ratio Lower Upper

96 100

61 128.2 92.6 138.8

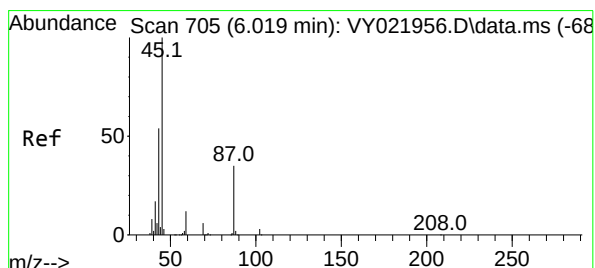
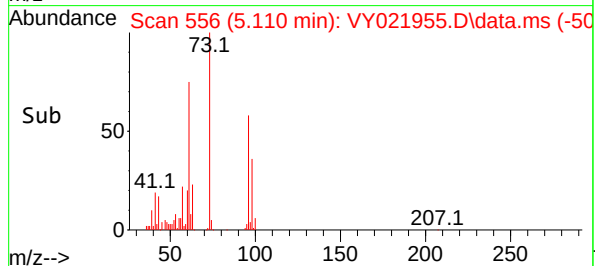
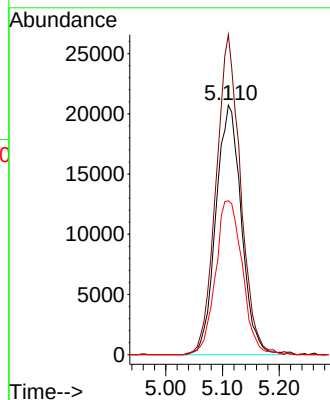
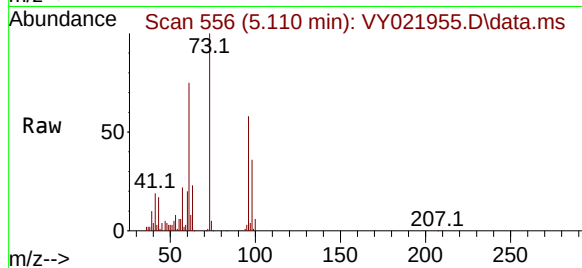
98 61.7 50.2 75.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 20.439 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion: 45 Resp: 159414

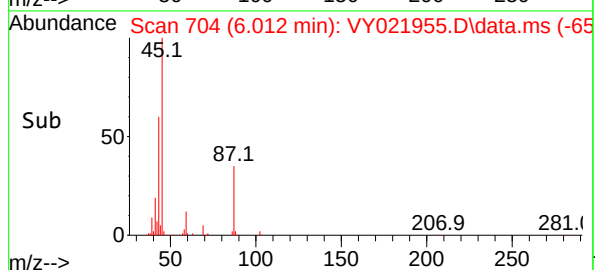
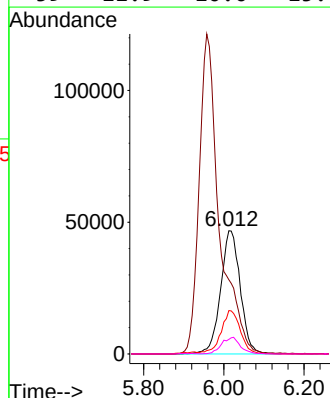
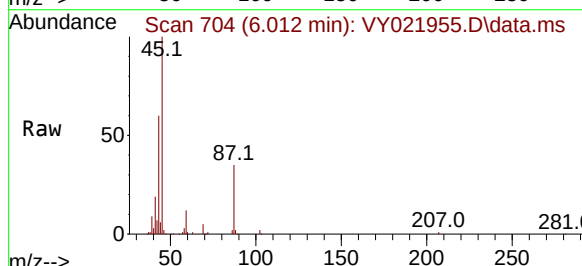
Ion Ratio Lower Upper

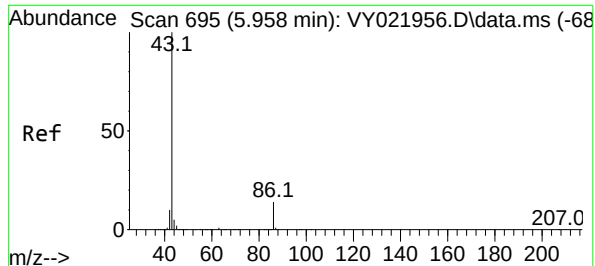
45 100

43 59.8 43.6 65.4

87 35.2 28.2 42.4

59 11.9 10.0 15.0





#23

Vinyl Acetate

Concen: 100.901 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 424128

Ion Ratio Lower Upper

43 100

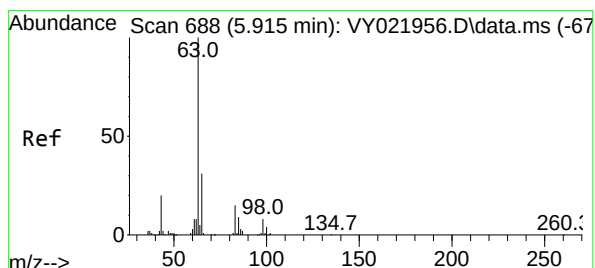
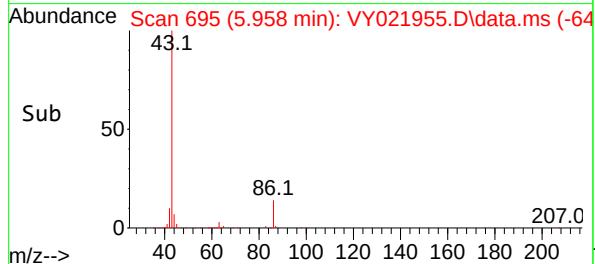
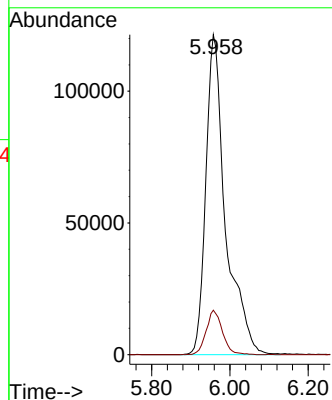
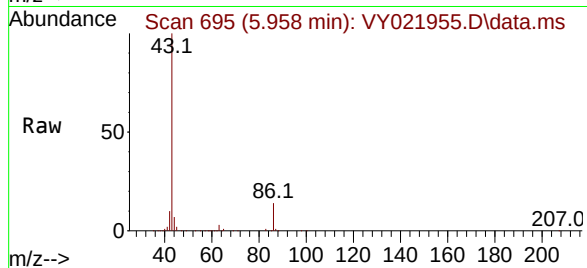
86 13.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 20.006 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

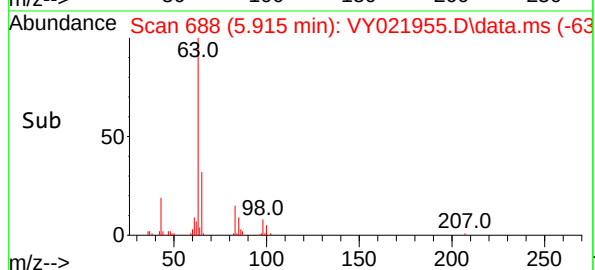
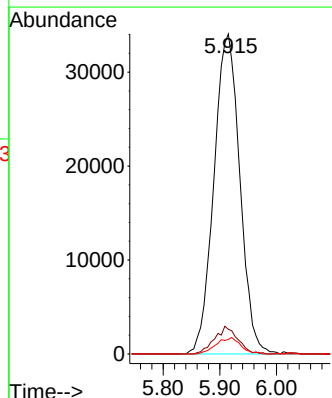
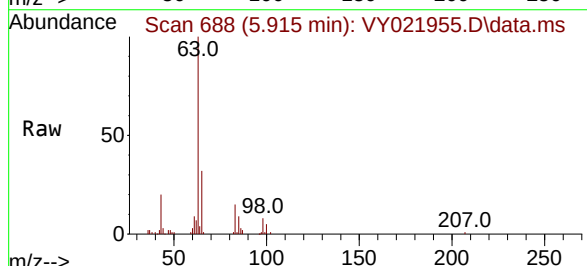
Tgt Ion: 63 Resp: 108156

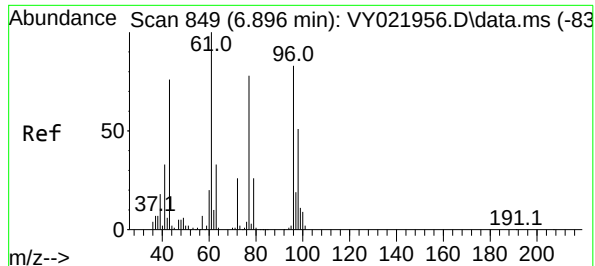
Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 102.688 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 6546

Ion Ratio Lower Upper

43 100

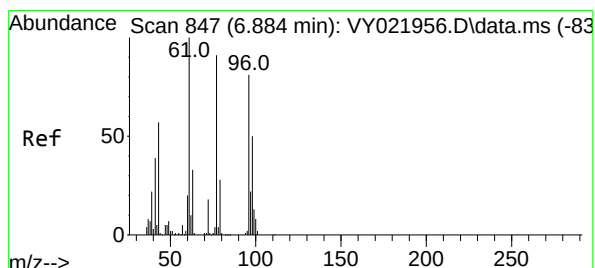
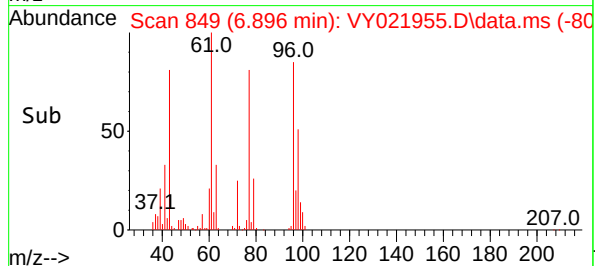
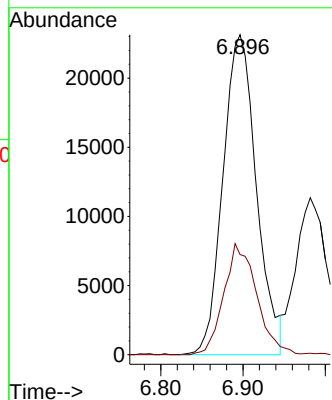
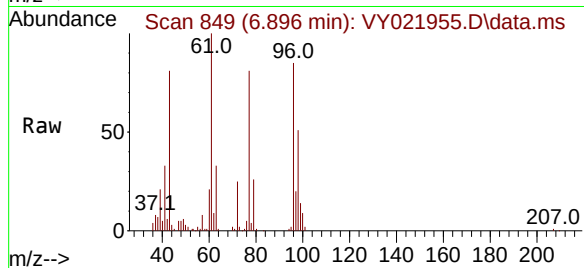
72 31.3 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 19.503 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY021955.D

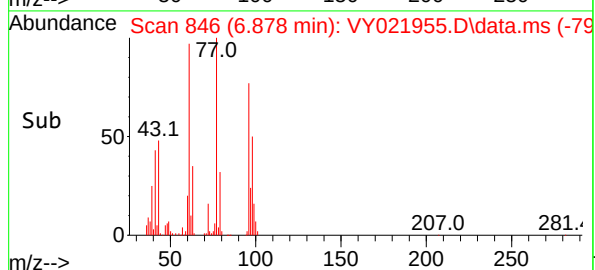
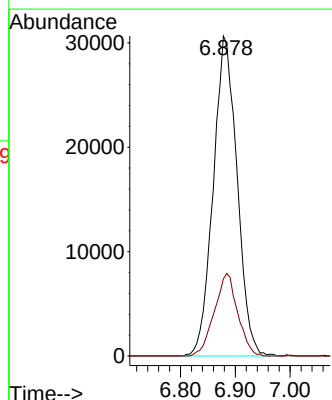
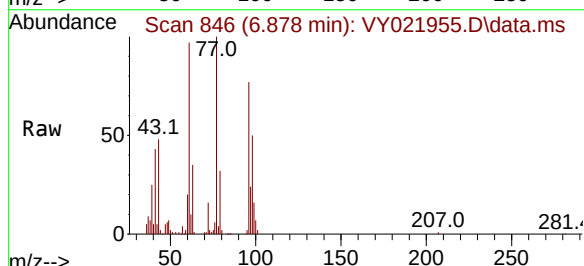
Acq: 22 Apr 2025 15:07

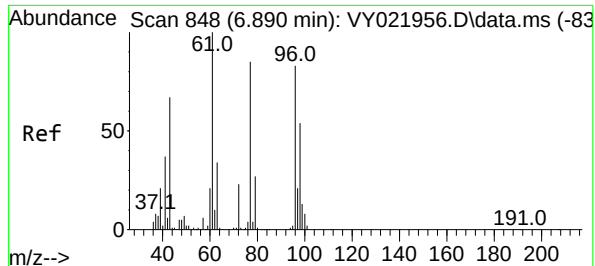
Tgt Ion: 77 Resp: 92415

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 19.398 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

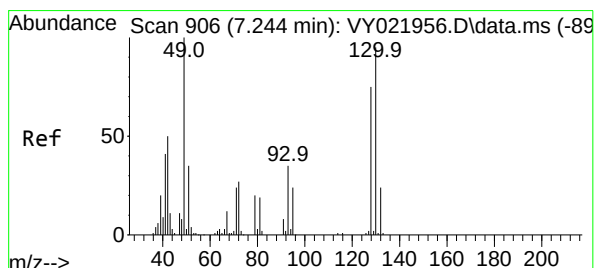
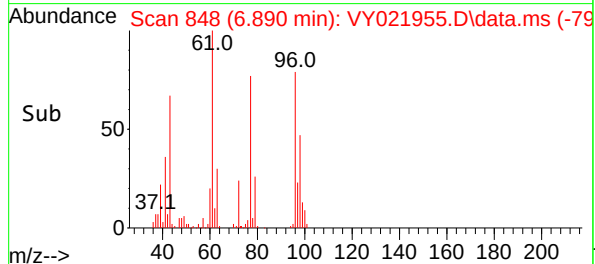
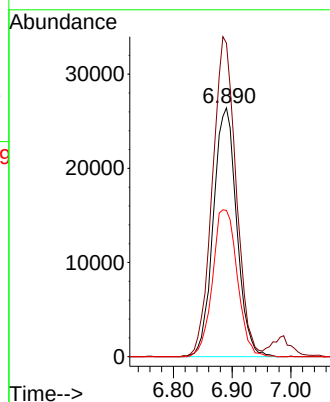
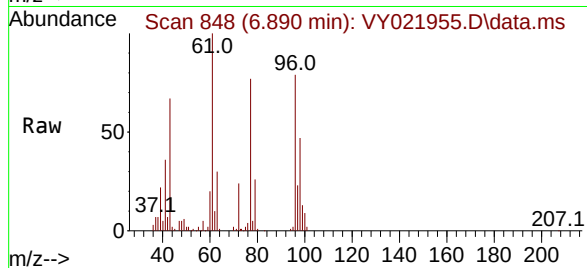
VSTDICC020

Tgt Ion:	96	Resp:	73114
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	251.4
98	62.5	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 21.027 ug/l

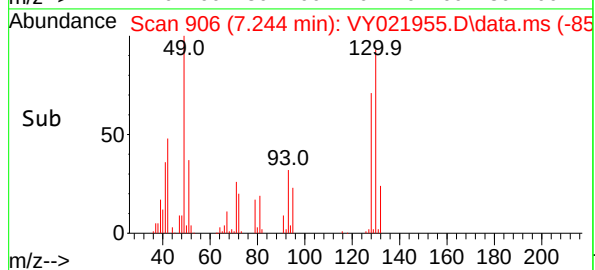
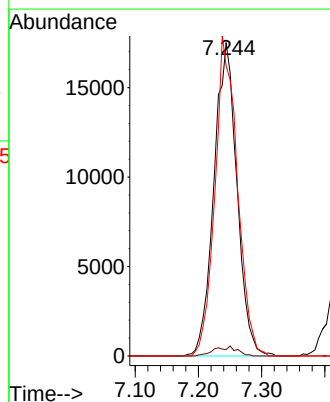
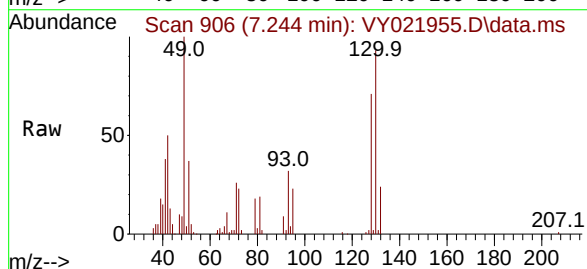
RT: 7.244 min Scan# 906

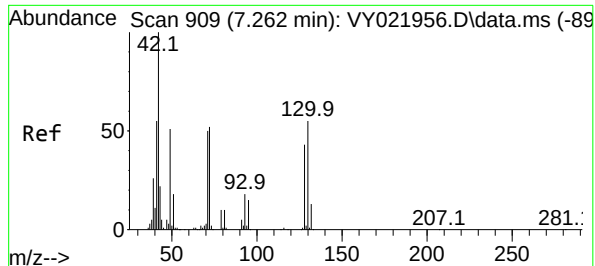
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	49	Resp:	44154
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	99.1	78.2	117.4





#29

Tetrahydrofuran

Concen: 105.459 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 4366

Ion Ratio Lower Upper

42 100

72 53.6 42.6 63.8

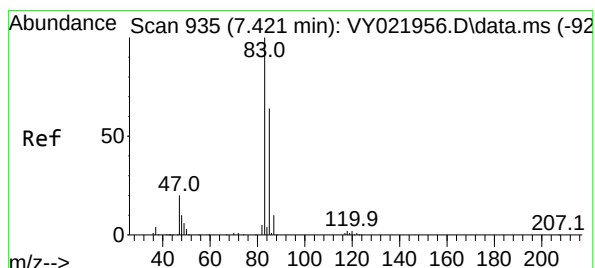
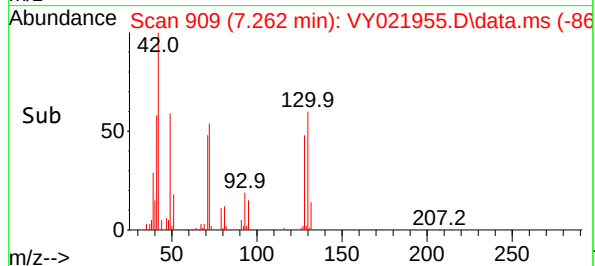
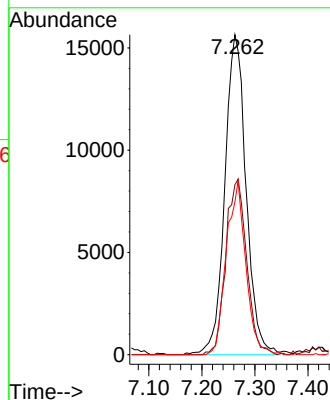
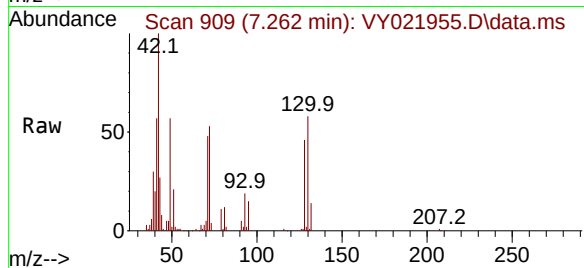
71 50.0 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 19.666 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021955.D

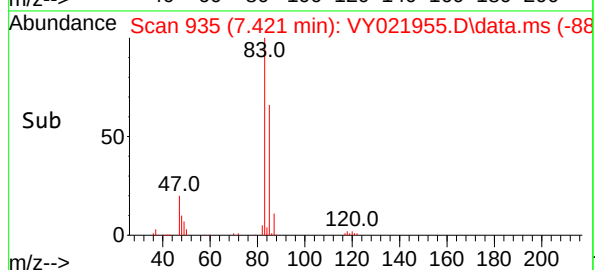
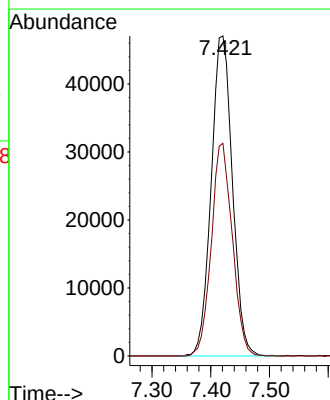
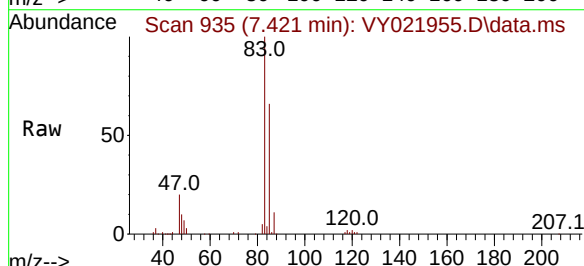
Acq: 22 Apr 2025 15:07

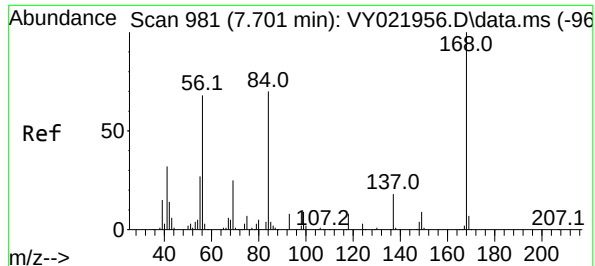
Tgt Ion: 83 Resp: 117934

Ion Ratio Lower Upper

83 100

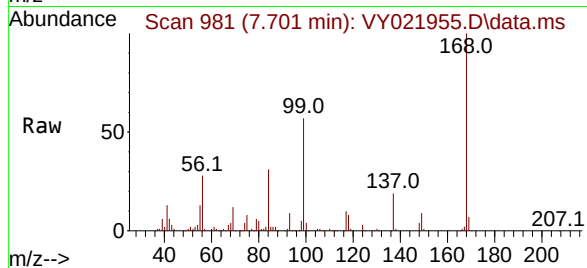
85 66.5 51.3 76.9





#31
Cyclohexane
Concen: 19.333 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

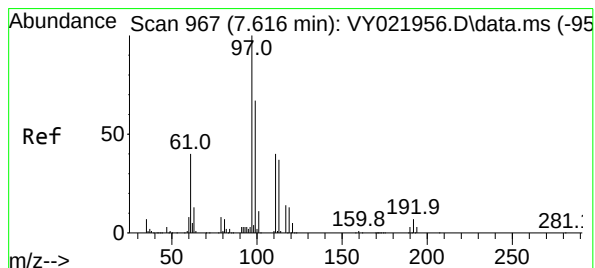
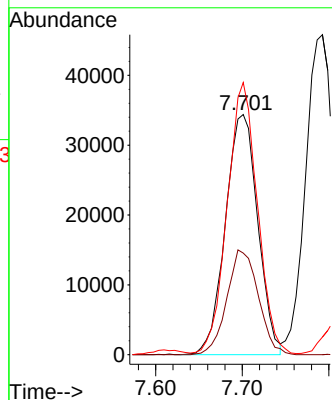
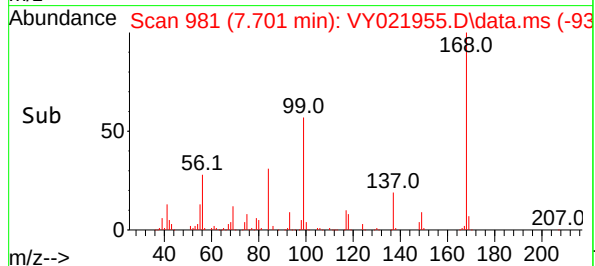
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 89380
Ion Ratio Lower Upper
56 100
69 42.3 29.4 44.2
84 112.0 82.2 123.4

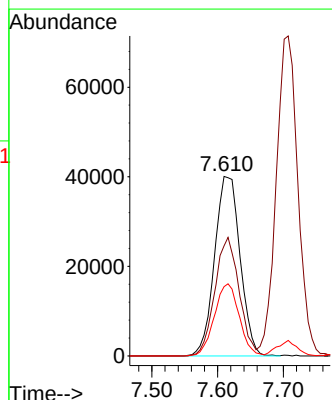
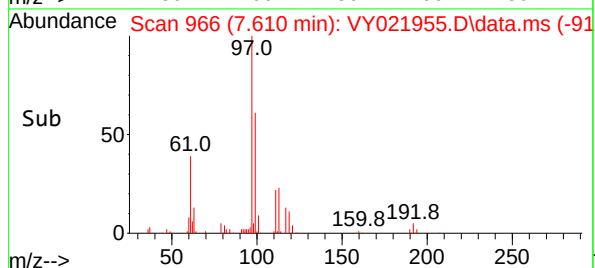
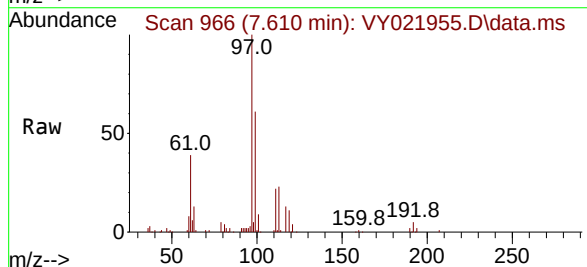
Manual Integrations
APPROVED

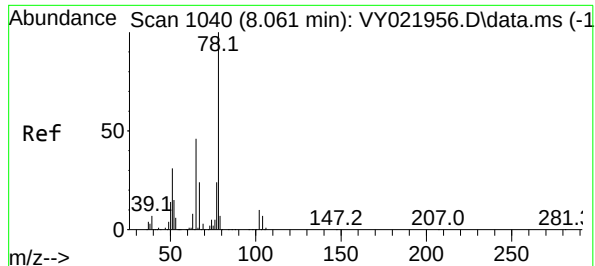
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#32
1,1,1-Trichloroethane
Concen: 19.993 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 97 Resp: 108468
Ion Ratio Lower Upper
97 100
99 62.6 51.4 77.2
61 39.0 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 19.891 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 55629

Ion Ratio Lower Upper

65 100

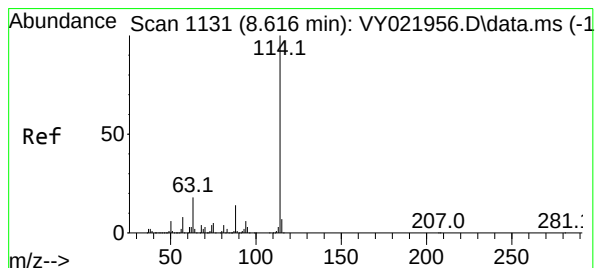
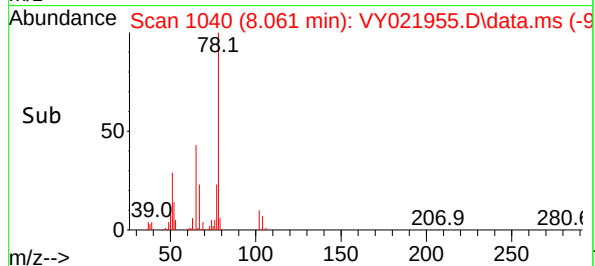
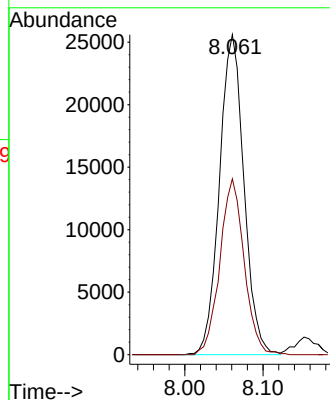
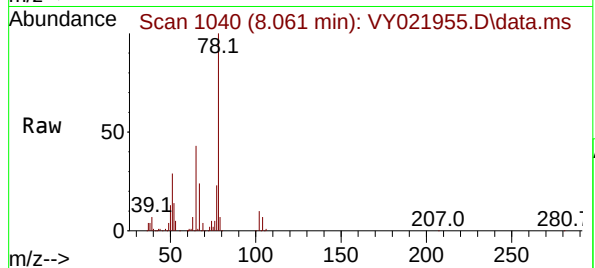
67 54.5 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

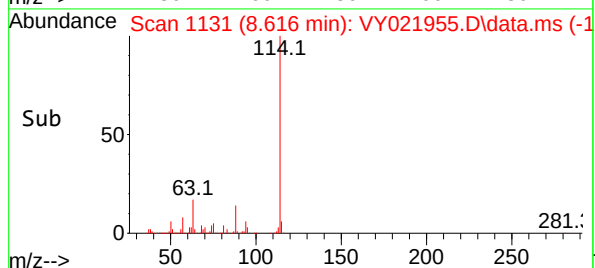
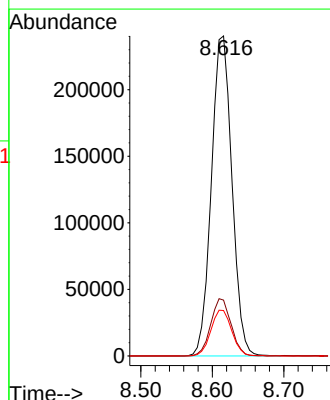
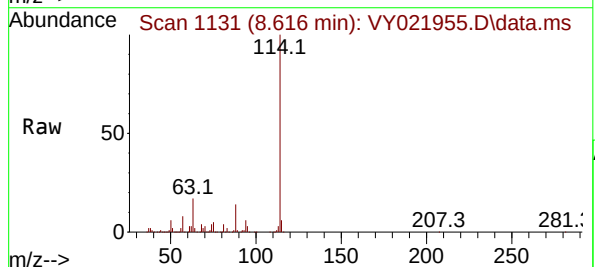
Tgt Ion:114 Resp: 479908

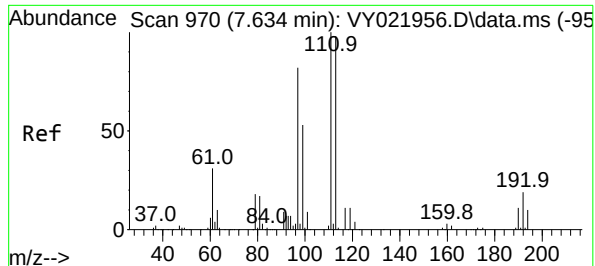
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 20.003 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 63419

Ion Ratio Lower Upper

113 100

111 98.7 81.8 122.8

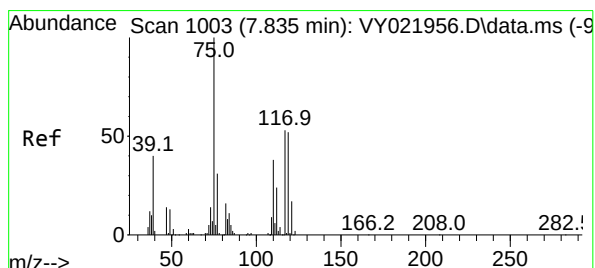
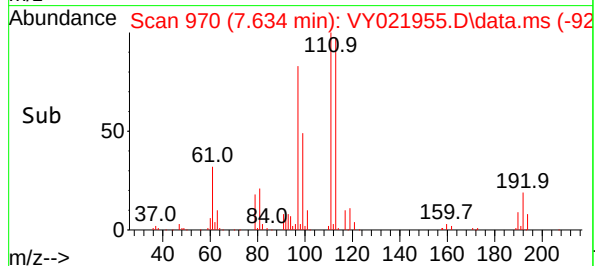
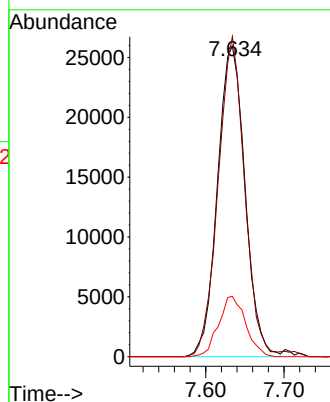
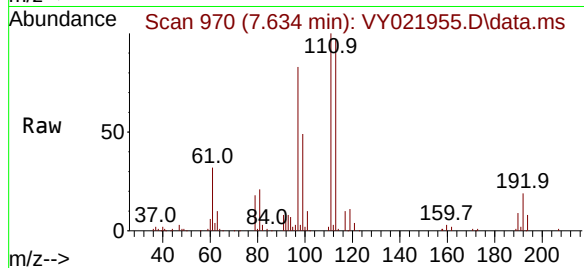
192 19.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 19.127 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

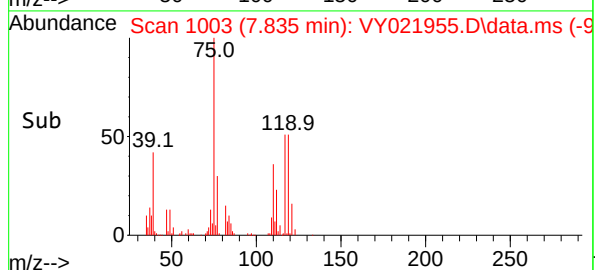
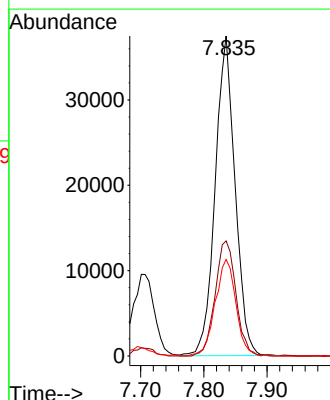
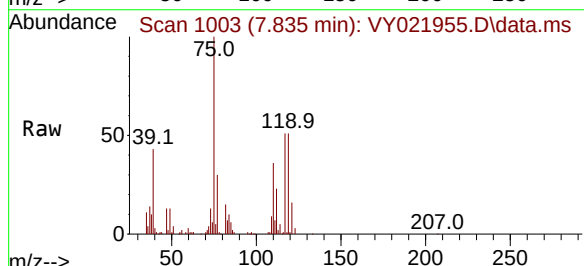
Tgt Ion: 75 Resp: 81459

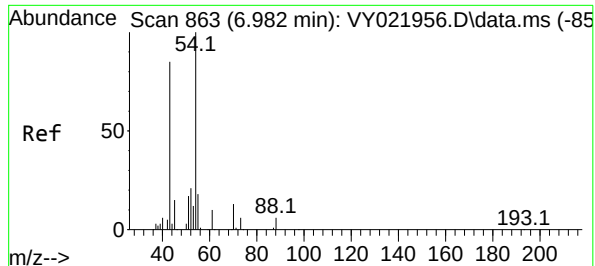
Ion Ratio Lower Upper

75 100

110 37.7 19.1 57.3

77 31.6 25.5 38.3





#37

Ethyl Acetate

Concen: 20.755 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

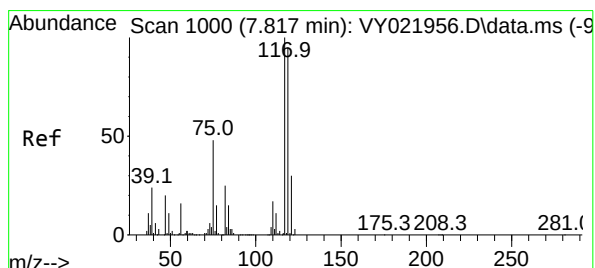
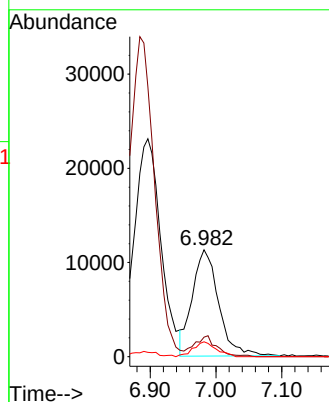
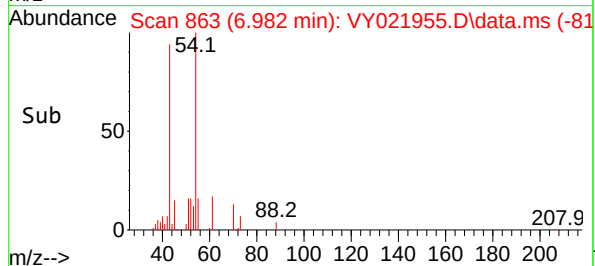
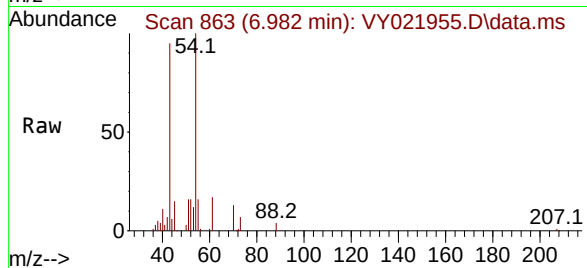
VSTDIC020

Tgt Ion:	43	Resp:	31319
Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	12.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 19.318 ug/l

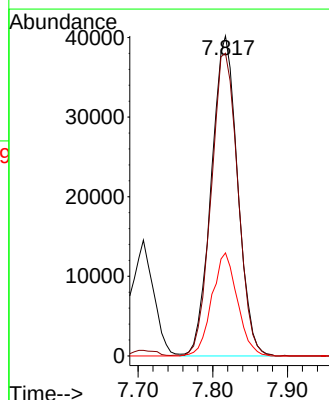
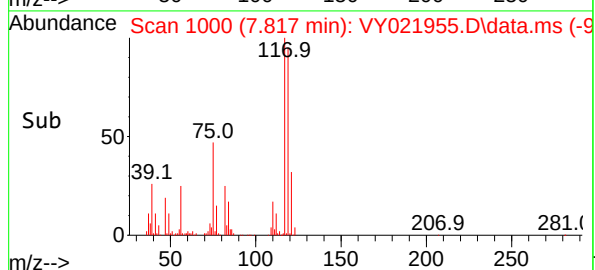
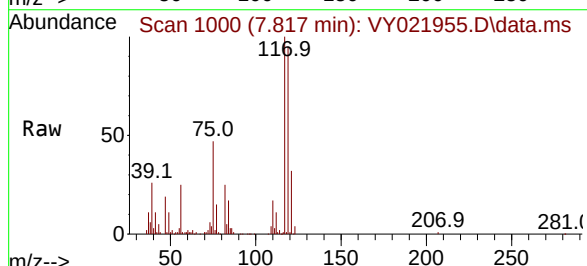
RT: 7.817 min Scan# 1000

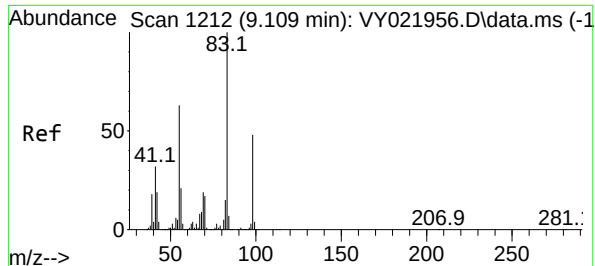
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	117	Resp:	98308
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.4
121	32.2	24.0	36.0





#39

Methylcyclohexane

Concen: 18.578 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

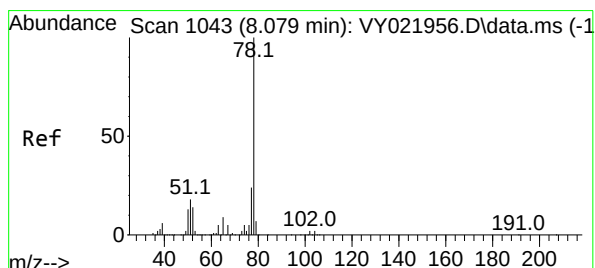
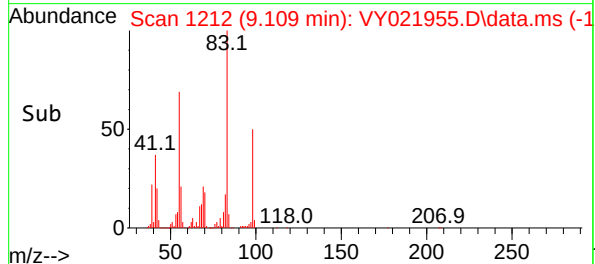
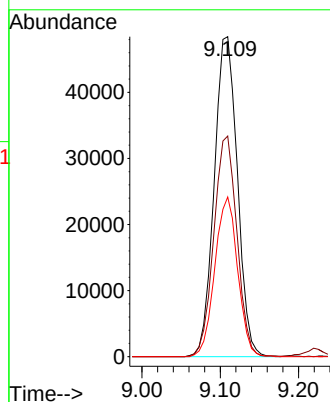
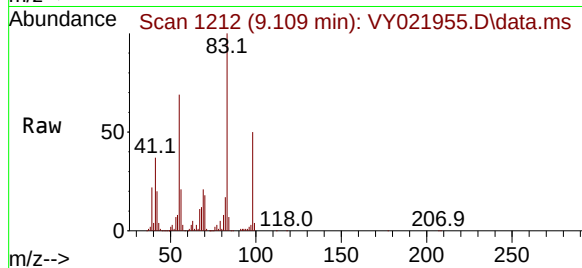
VSTDIC020

Tgt Ion: 83	Resp: 99570
Ion Ratio	Lower Upper
83 100	
55 69.0	50.6 75.8
98 49.9	38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 19.482 ug/l

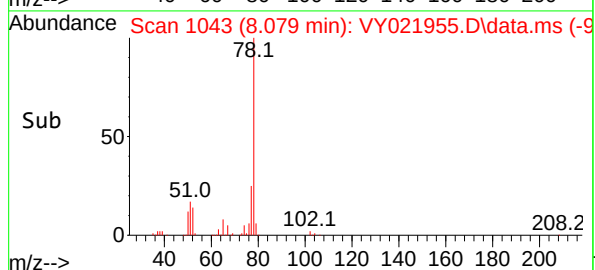
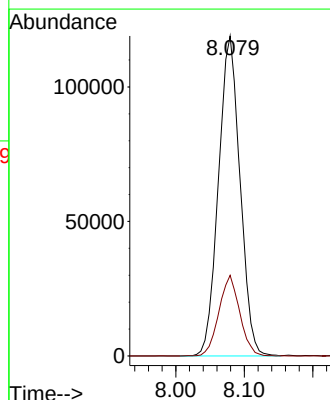
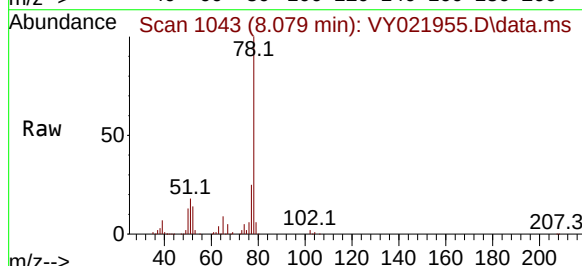
RT: 8.079 min Scan# 1043

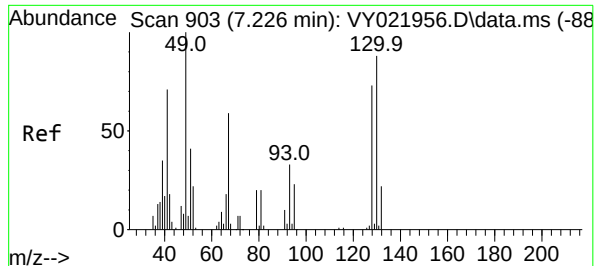
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion: 78	Resp: 259371
Ion Ratio	Lower Upper
78 100	
77 25.2	19.3 28.9





#41

Methacrylonitrile

Concen: 23.846 ug/l m

RT: 7.238 min Scan# 903

Delta R.T. 0.012 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 19940

Ion Ratio Lower Upper

41 100

39 53.3 36.6 55.0

67 0.0 72.2 108.4

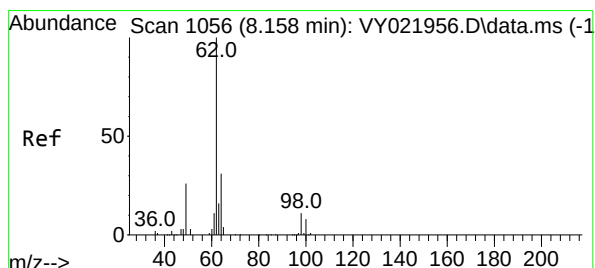
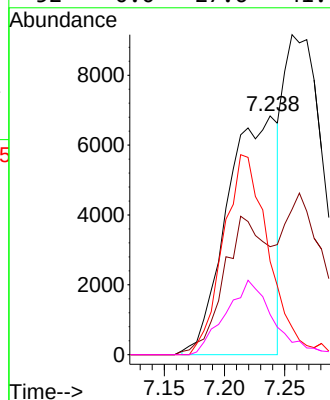
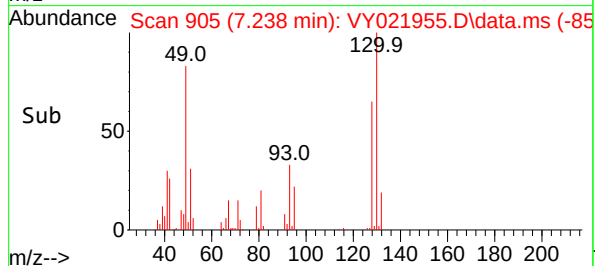
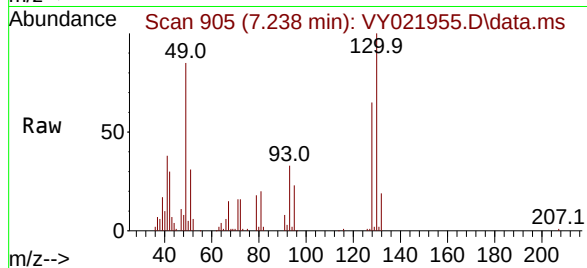
52 0.0 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 20.398 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY021955.D

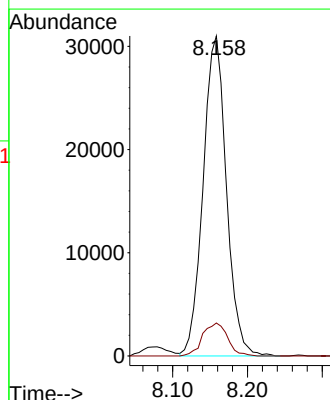
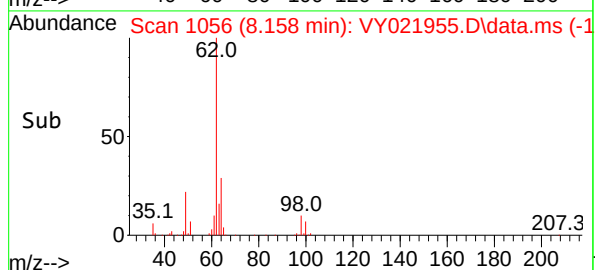
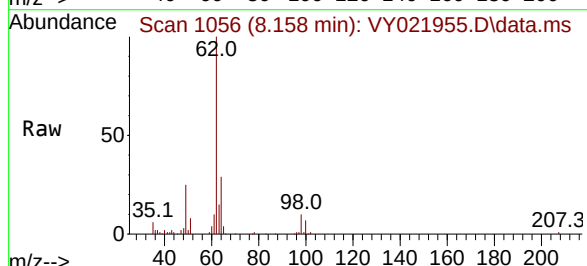
Acq: 22 Apr 2025 15:07

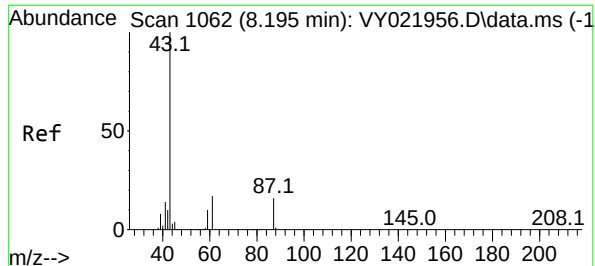
Tgt Ion: 62 Resp: 67235

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.495 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

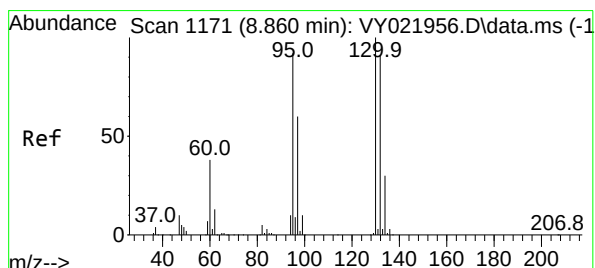
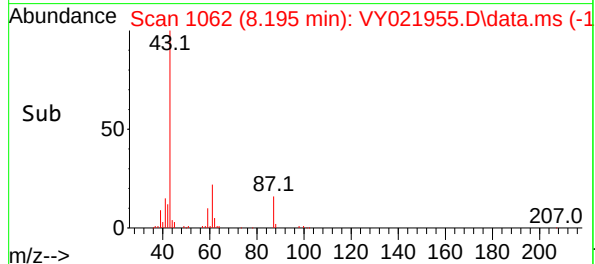
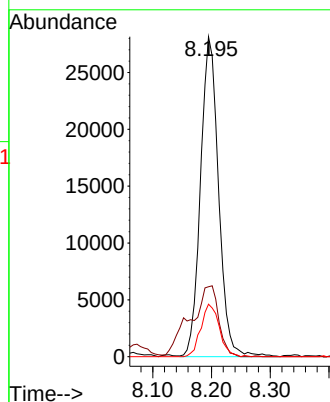
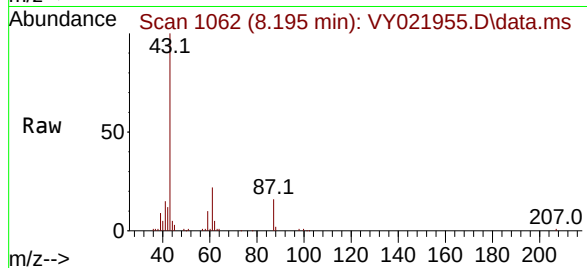
VSTDIC020

Tgt Ion:	43	Resp:	60204
Ion	Ratio	Lower	Upper
43	100		
61	34.7	18.9	28.3
87	16.8	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 19.226 ug/l

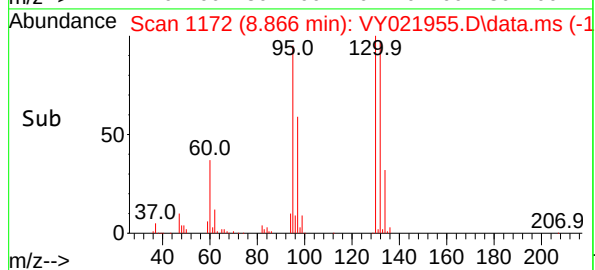
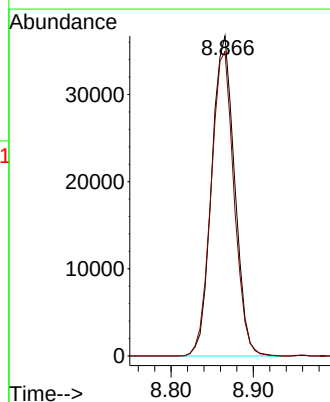
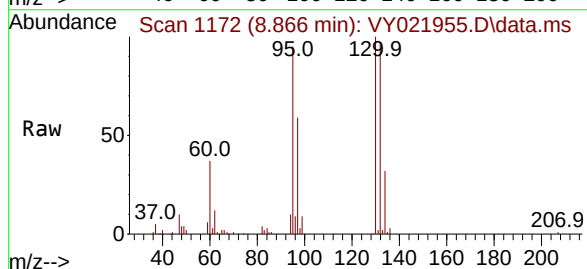
RT: 8.866 min Scan# 1172

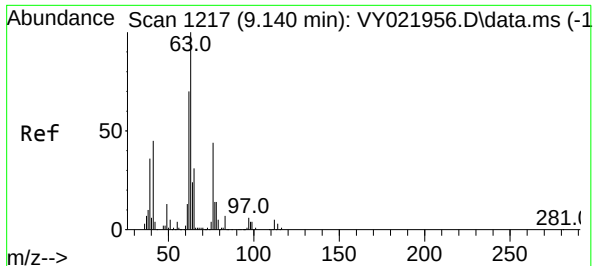
Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	130	Resp:	70896
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	183.2





#45

1,2-Dichloropropane

Concen: 19.678 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 57934

Ion Ratio Lower Upper

63 100

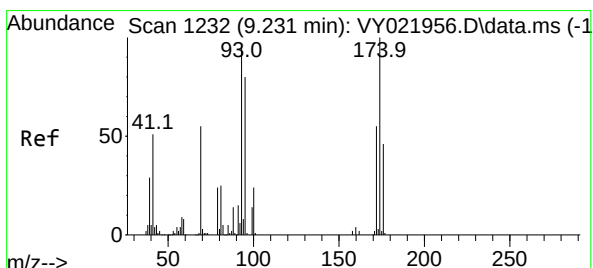
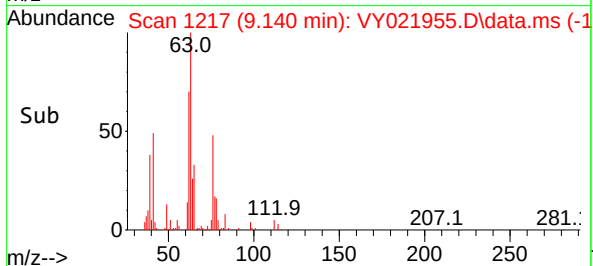
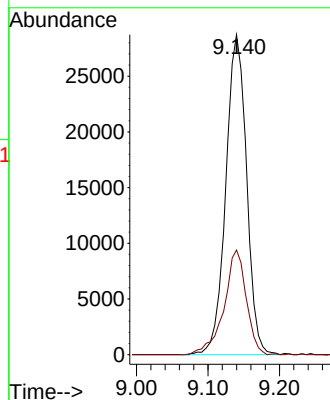
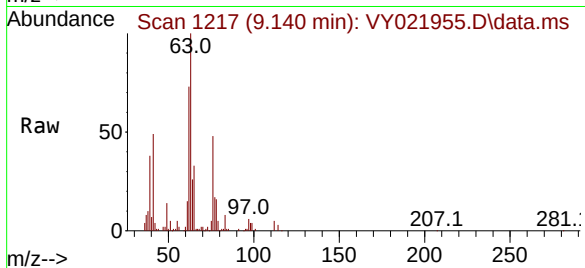
65 32.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 20.018 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

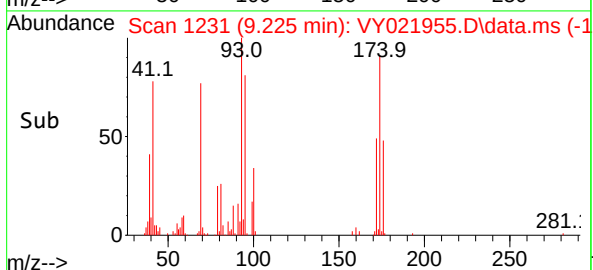
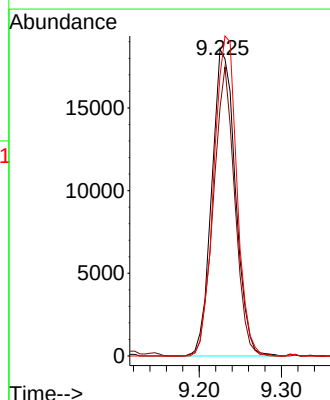
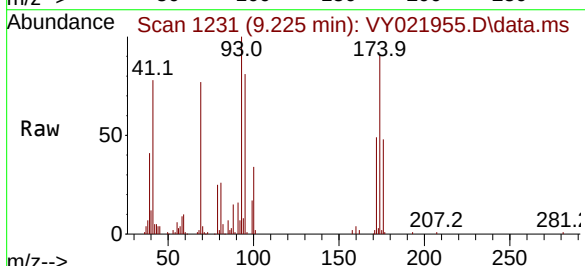
Tgt Ion: 93 Resp: 36893

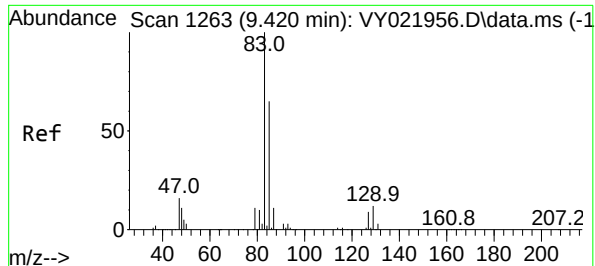
Ion Ratio Lower Upper

93 100

95 85.2 66.7 100.1

174 102.1 84.6 127.0





#47

Bromodichloromethane

Concen: 19.341 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

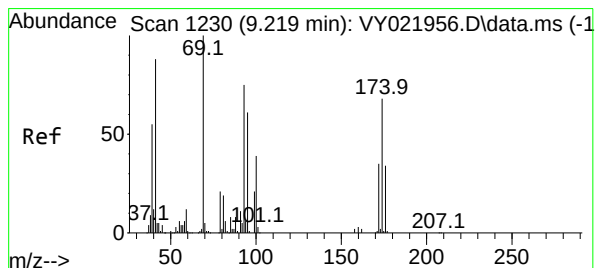
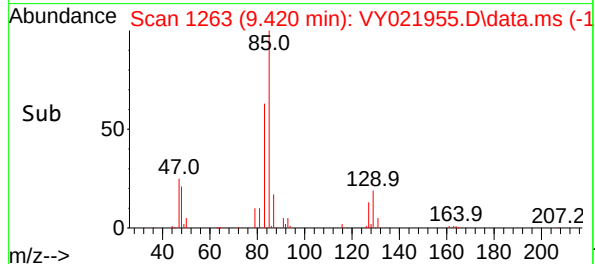
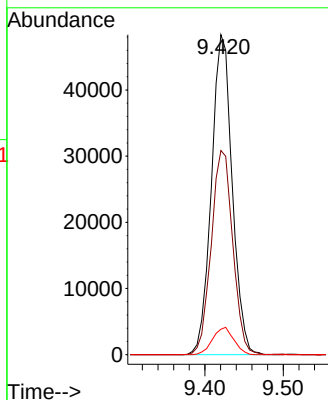
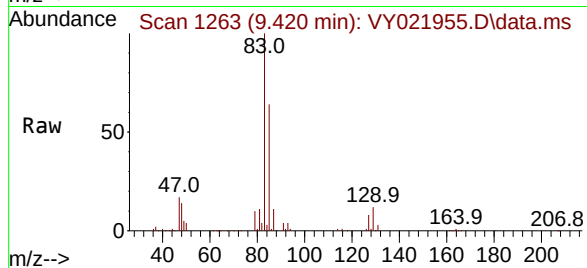
VSTDIC020

Tgt Ion:	83	Resp:	89049
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8
127	8.0	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 20.775 ug/l

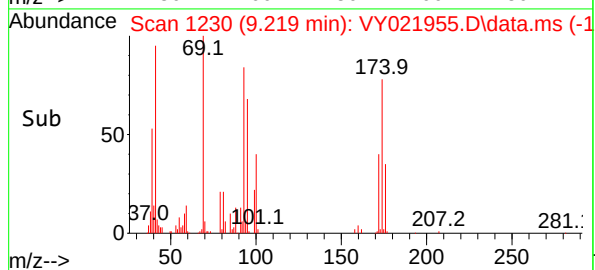
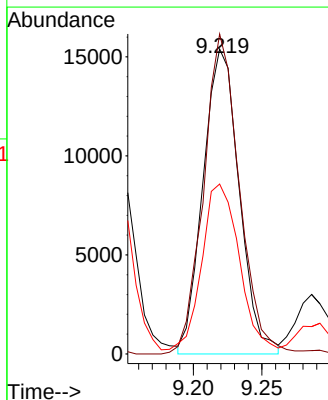
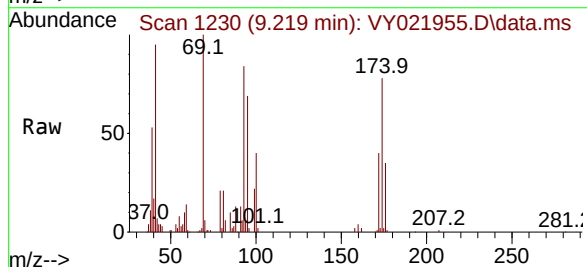
RT: 9.219 min Scan# 1230

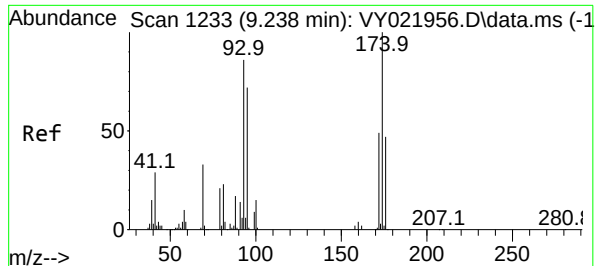
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	41	Resp:	28211
Ion	Ratio	Lower	Upper
41	100		
69	104.1	85.5	128.3
39	55.5	46.2	69.4





#49

1,4-Dioxane

Concen: 432.566 ug/l

RT: 9.237 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

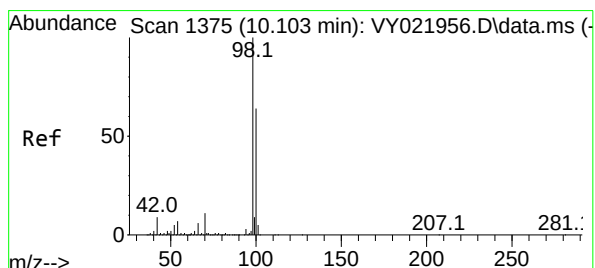
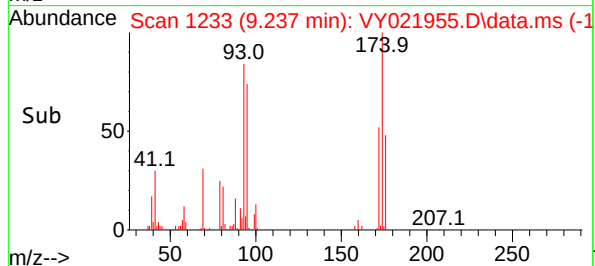
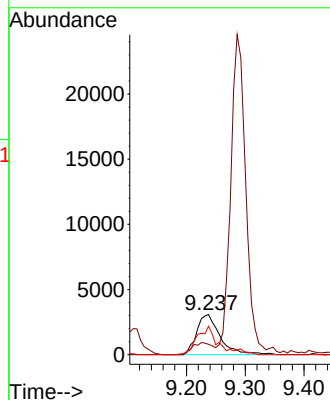
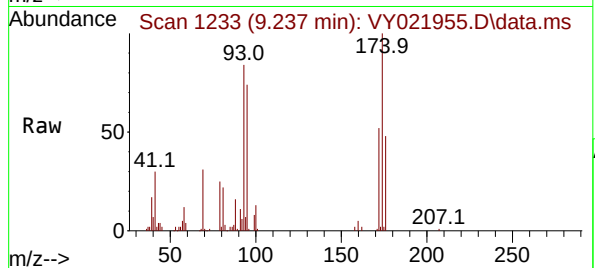
VSTDICC020

Tgt Ion:	88	Resp:	849
Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.3	31.9
58	59.2	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 19.446 ug/l

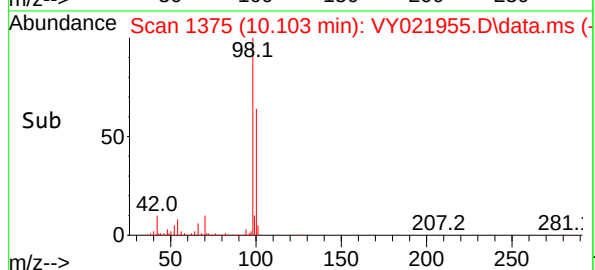
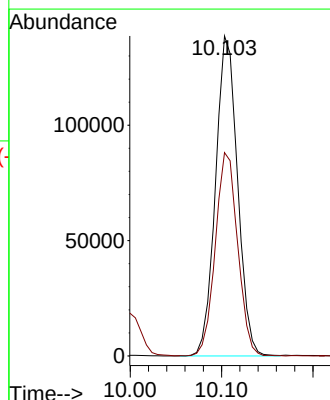
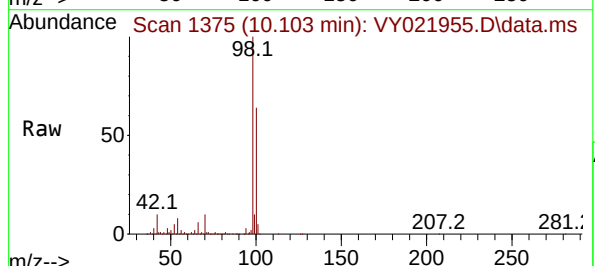
RT: 10.103 min Scan# 1375

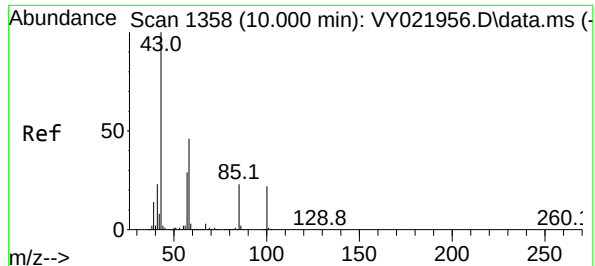
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

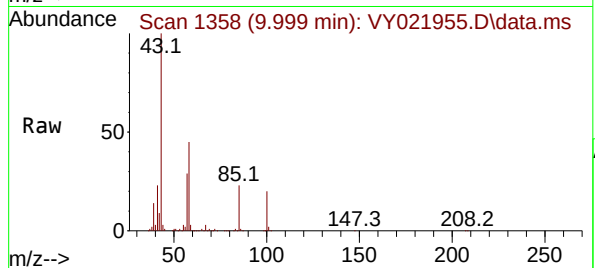
Tgt Ion:	98	Resp:	232431
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 103.844 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

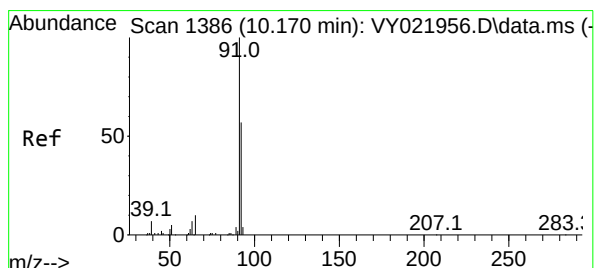
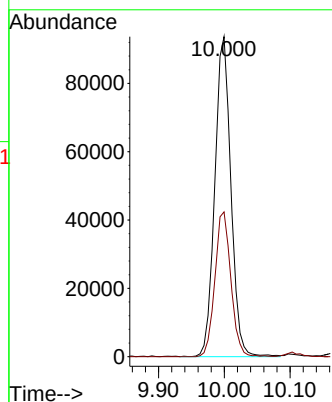
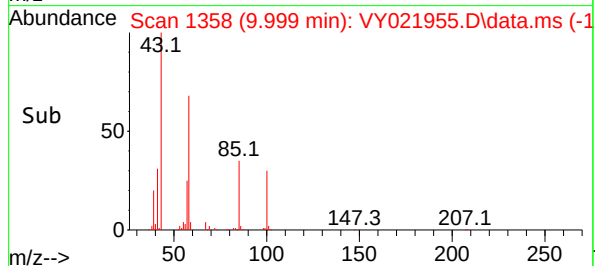
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 159902
Ion Ratio Lower Upper
43 100
58 44.9 36.6 55.0

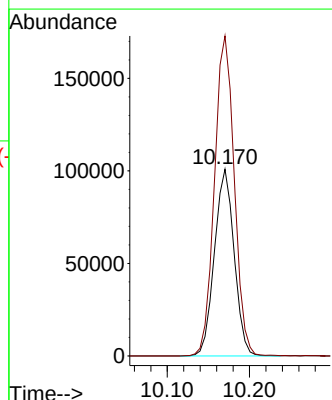
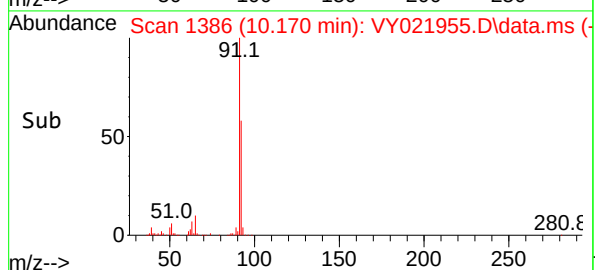
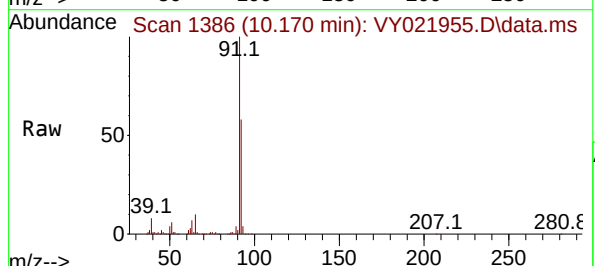
Manual Integrations
APPROVED

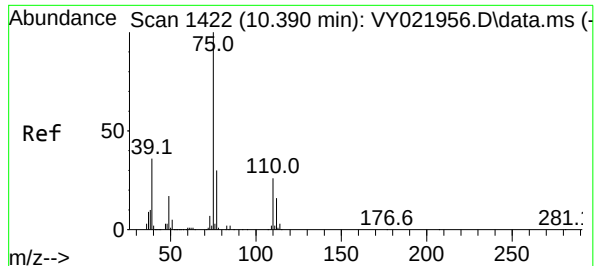
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 19.499 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

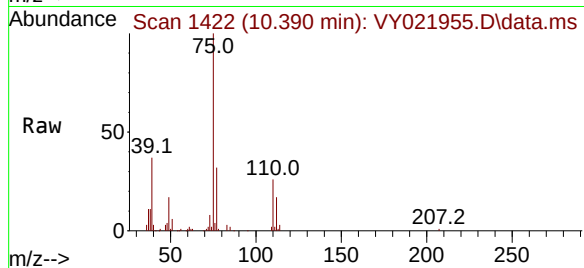
Tgt Ion: 92 Resp: 168035
Ion Ratio Lower Upper
92 100
91 172.7 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

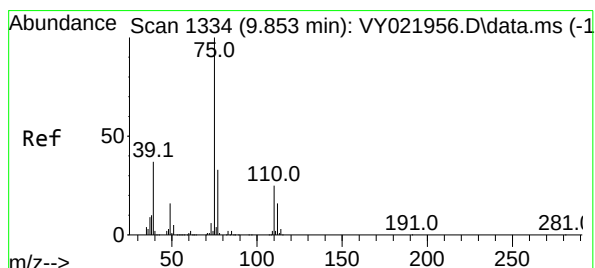
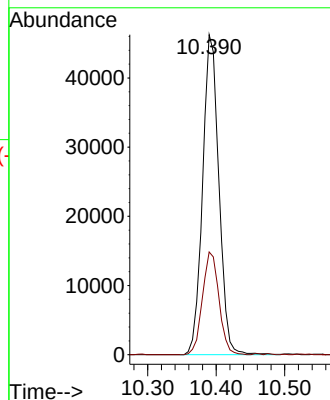
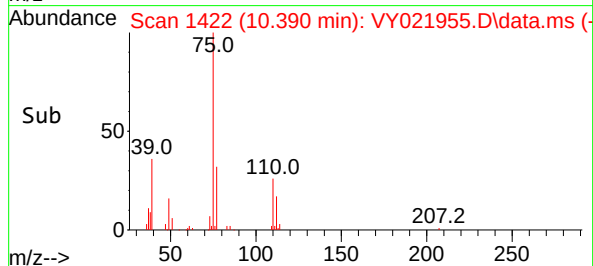
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 76629
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

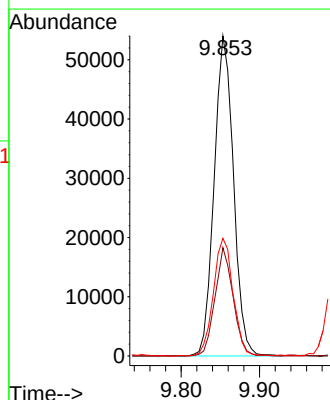
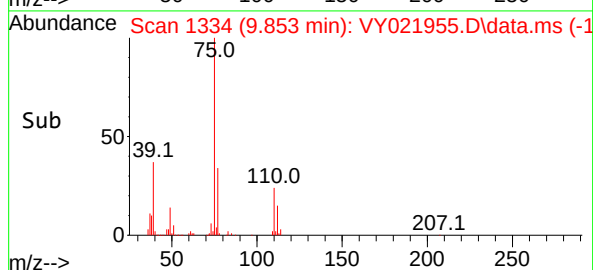
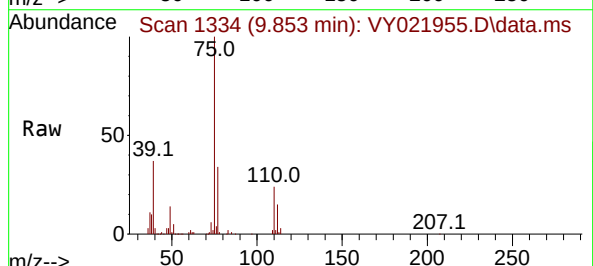
Manual Integrations
APPROVED

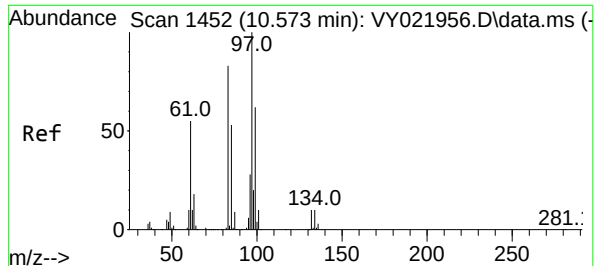
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 19.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

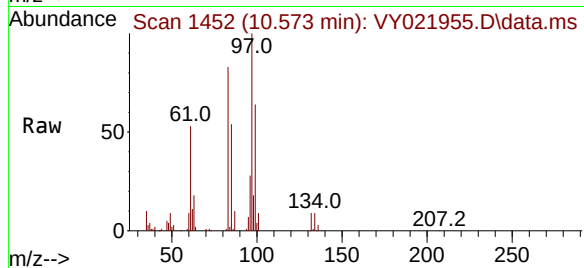
Tgt Ion: 75 Resp: 92726
Ion Ratio Lower Upper
75 100
77 33.8 26.6 40.0
39 36.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.353 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

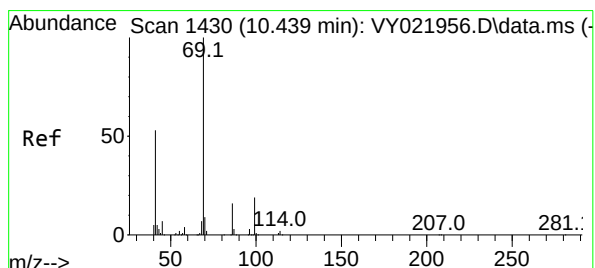
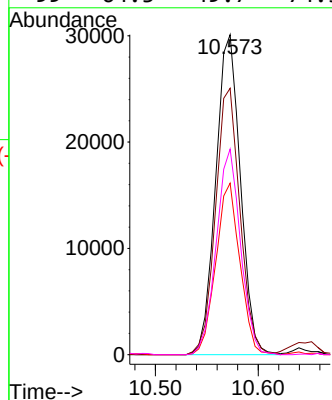
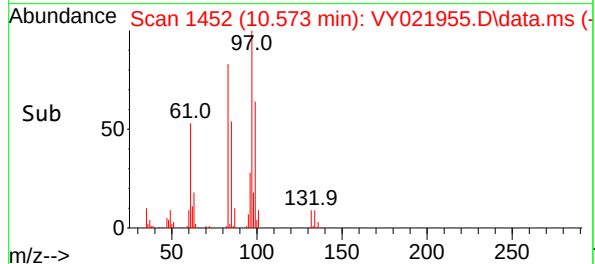
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 5010
Ion Ratio Lower Upper
97 100
83 83.3 66.7 100.1
85 53.6 42.6 64.0
99 64.3 49.7 74.5

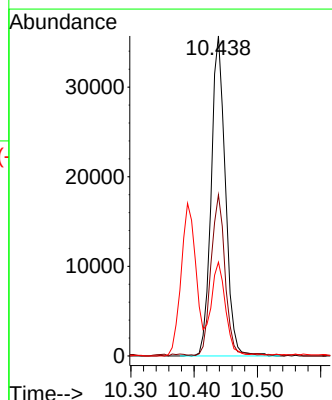
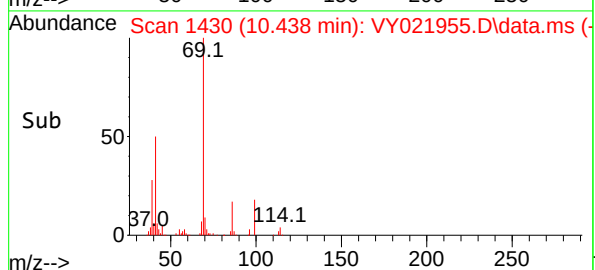
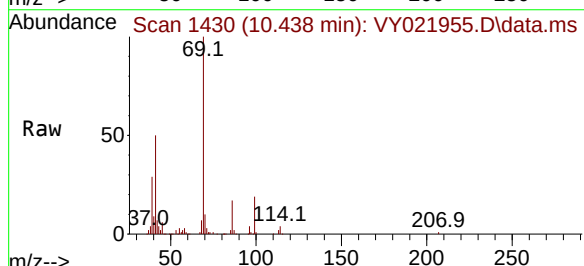
Manual Integrations
APPROVED

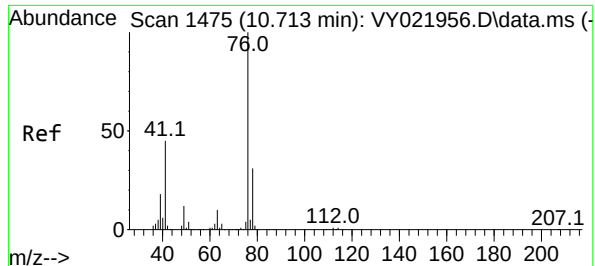
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 19.786 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

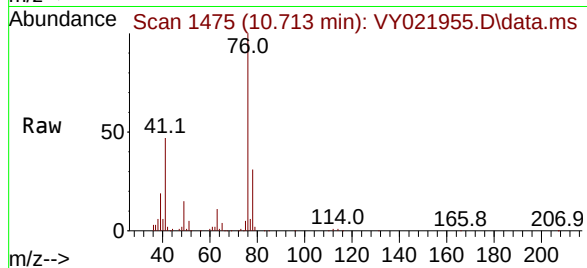
Tgt Ion: 69 Resp: 55703
Ion Ratio Lower Upper
69 100
41 49.8 40.7 61.1
39 29.3 23.3 34.9





#57
1,3-Dichloropropane
Concen: 19.676 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

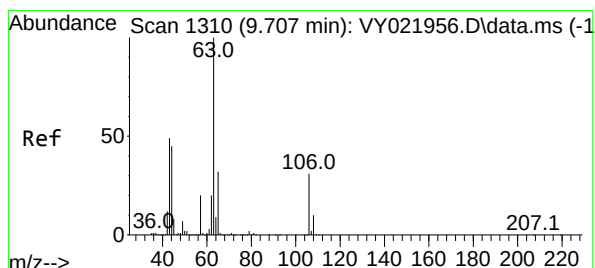
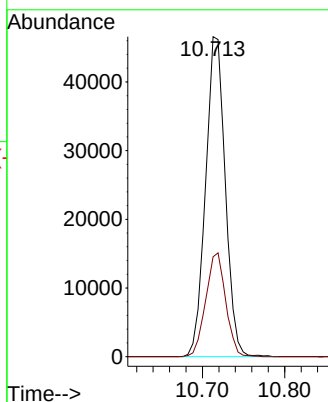
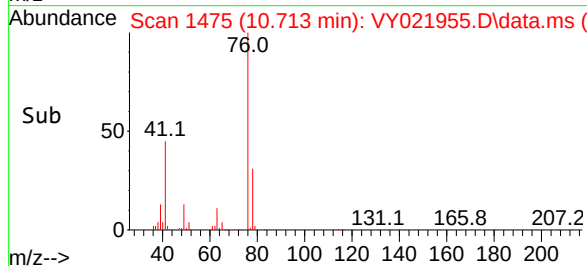
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 76 Resp: 77652
Ion Ratio Lower Upper
76 100
78 32.9 26.6 39.8

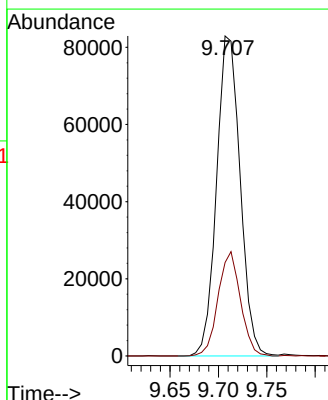
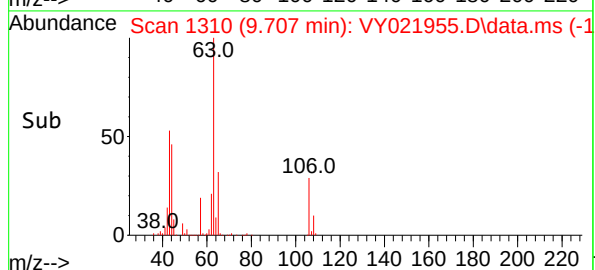
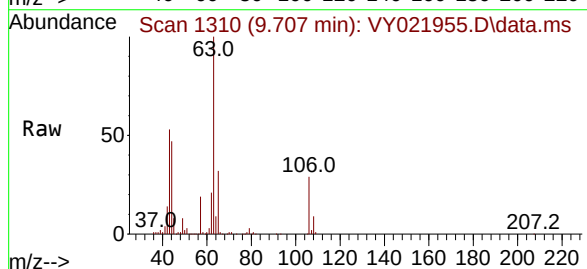
Manual Integrations
APPROVED

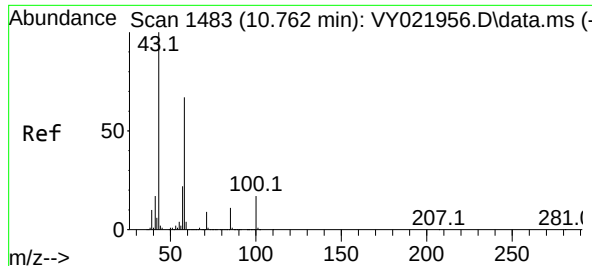
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 102.027 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

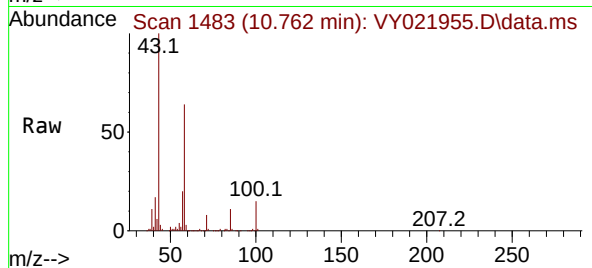
Tgt Ion: 63 Resp: 140435
Ion Ratio Lower Upper
63 100
106 30.9 25.3 37.9





#59
2-Hexanone
Concen: 102.714 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

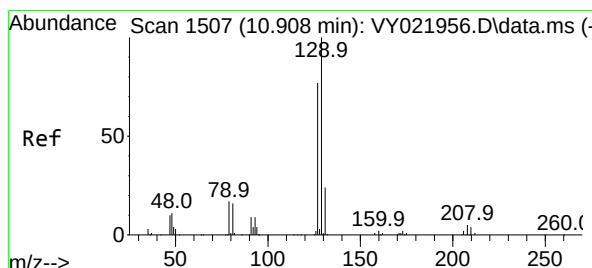
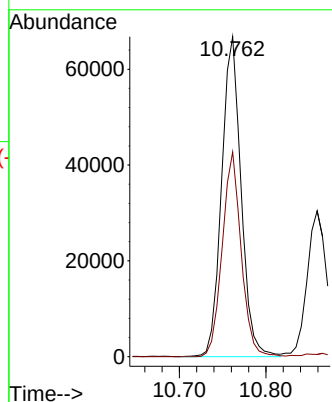
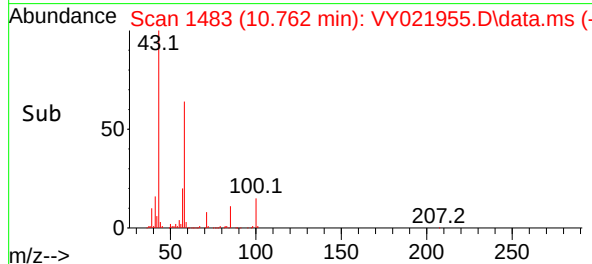
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 10432
Ion Ratio Lower Upper
43 100
58 62.1 32.0 96.0

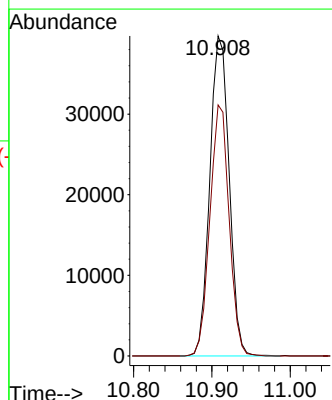
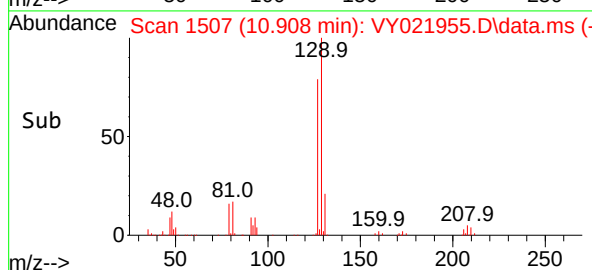
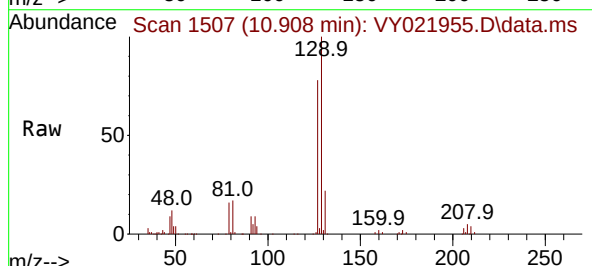
Manual Integrations
APPROVED

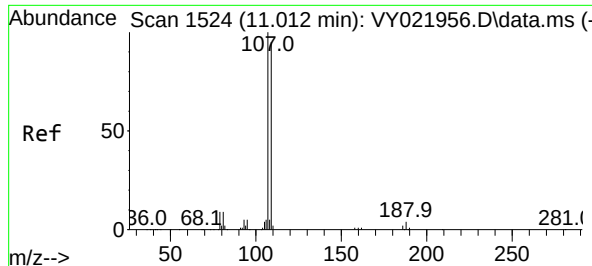
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

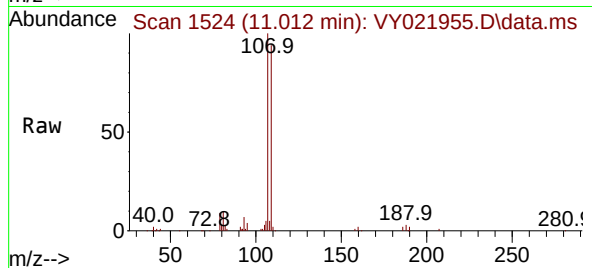
Tgt Ion:129 Resp: 67988
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





#61
1,2-Dibromoethane
Concen: 20.093 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

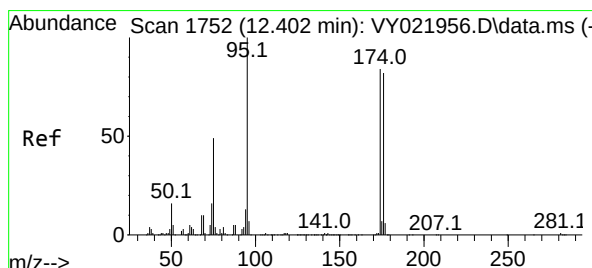
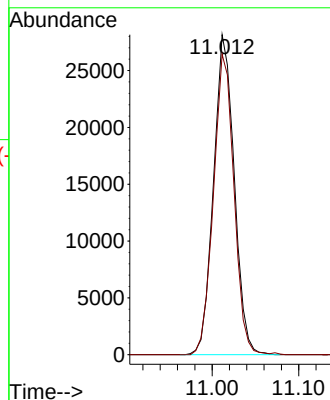
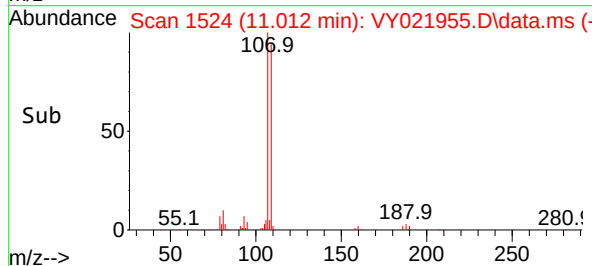
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 46699
Ion Ratio Lower Upper
107 100
109 93.3 75.8 113.8

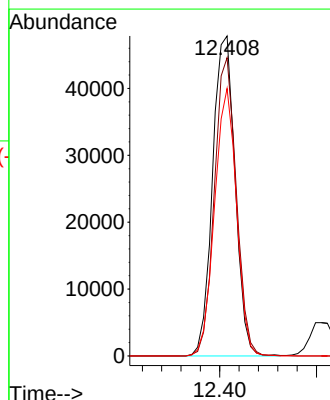
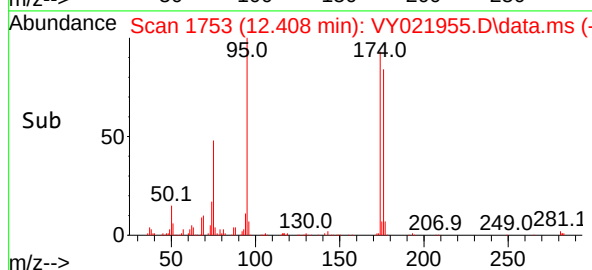
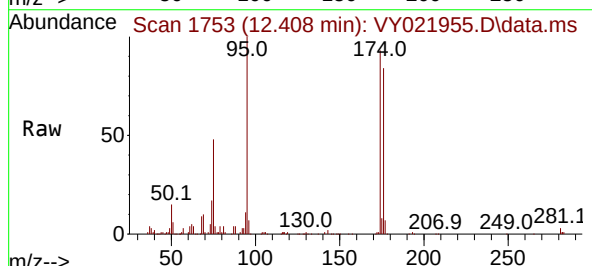
Manual Integrations
APPROVED

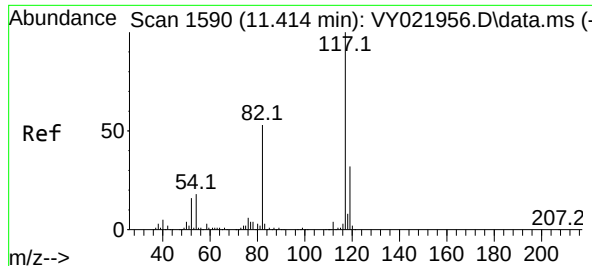
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 19.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

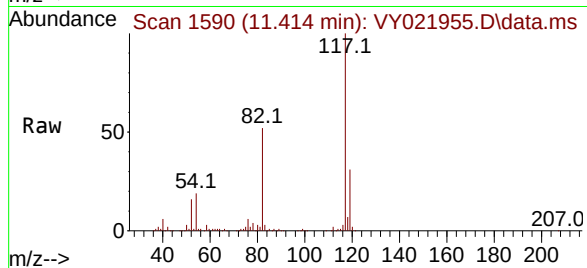
Tgt Ion: 95 Resp: 77034
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.0
176 81.8 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

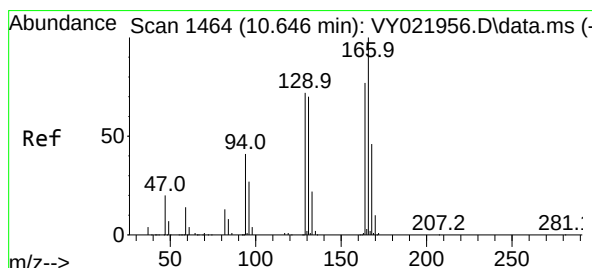
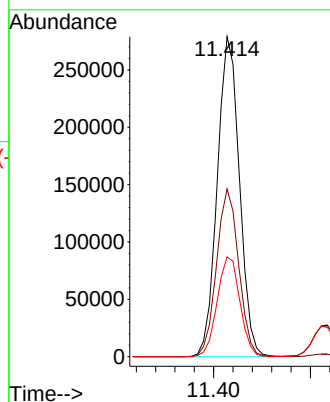
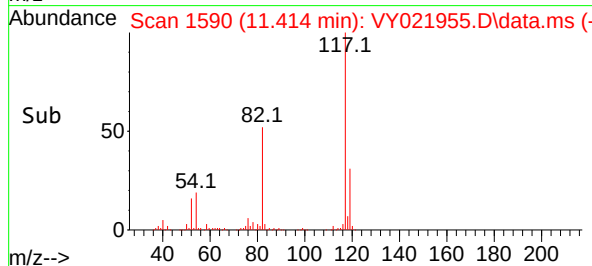
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:117 Resp: 443014
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 31.2 25.7 38.5

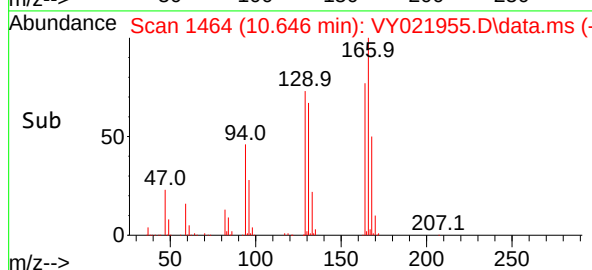
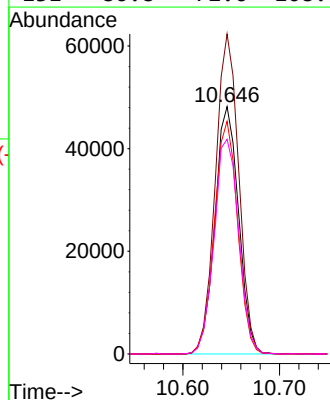
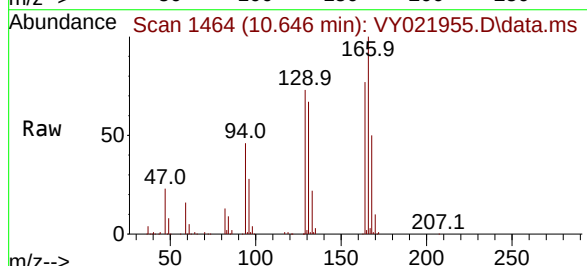
Manual Integrations
APPROVED

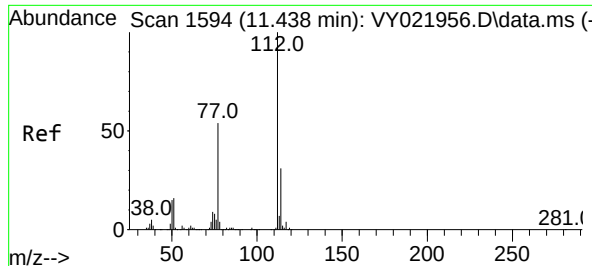
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 19.600 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

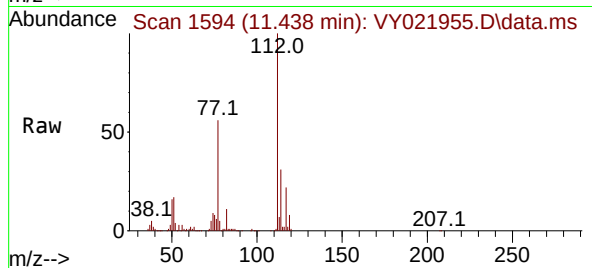
Tgt Ion:164 Resp: 81915
Ion Ratio Lower Upper
164 100
166 129.3 103.6 155.4
129 94.0 74.2 111.4
131 86.8 72.6 108.8





#65
Chlorobenzene
Concen: 18.866 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

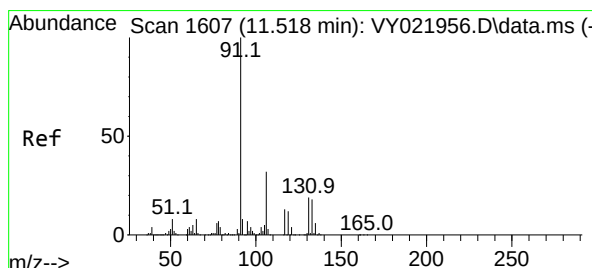
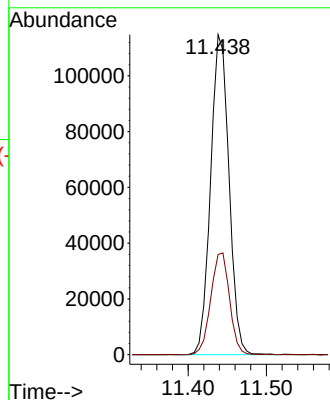
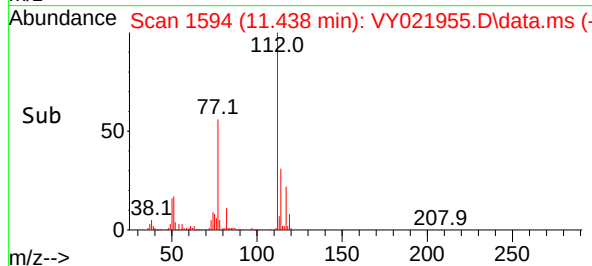
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 18690
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4

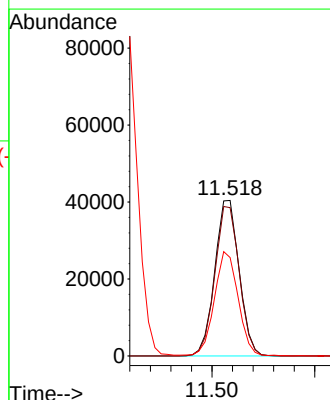
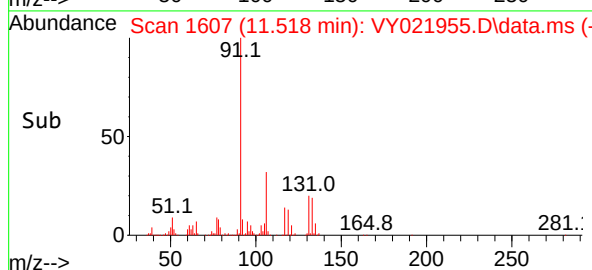
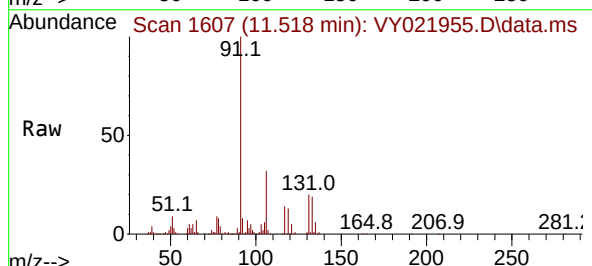
Manual Integrations
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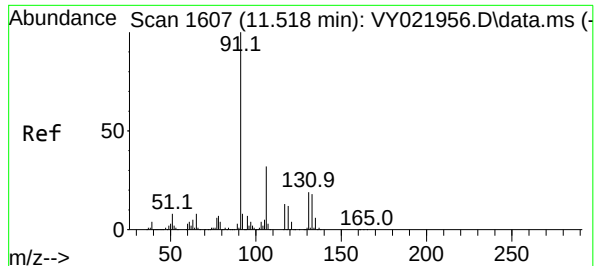
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:131 Resp: 66586
Ion Ratio Lower Upper
131 100
133 96.1 47.8 143.3
119 65.6 32.4 97.0





#67

Ethyl Benzene

Concen: 18.789 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 30450

Ion Ratio Lower Upper

91 100

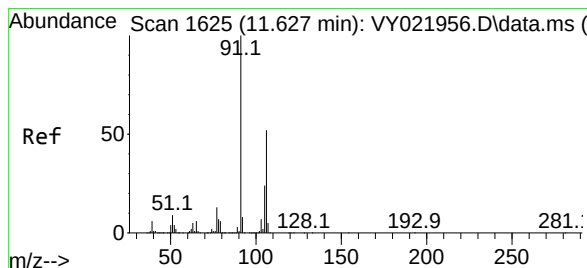
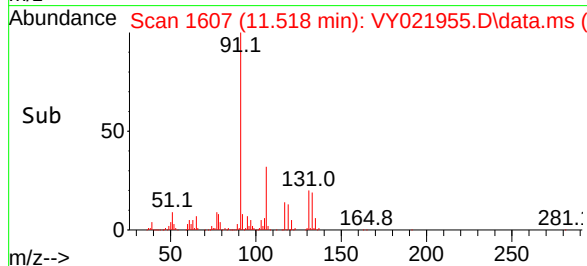
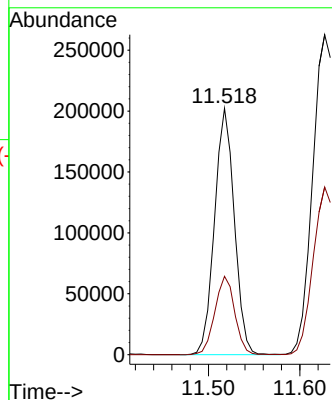
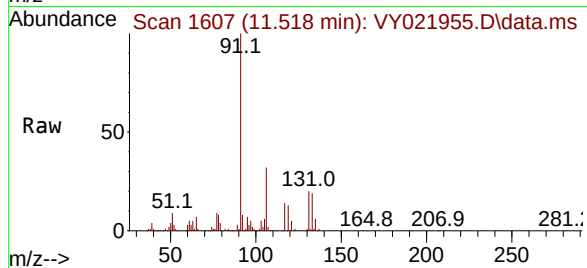
106 31.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 38.407 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021955.D

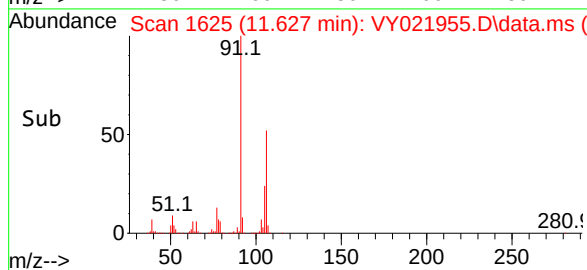
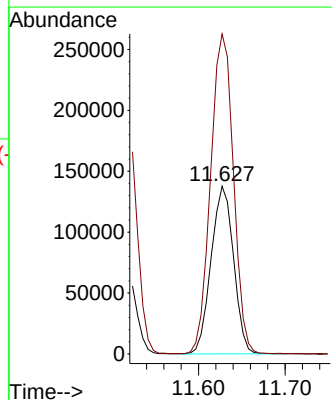
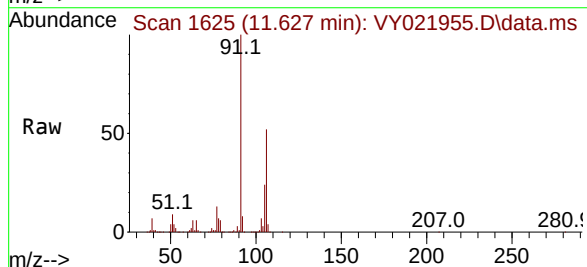
Acq: 22 Apr 2025 15:07

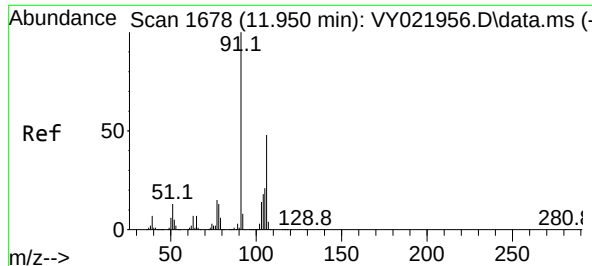
Tgt Ion:106 Resp: 247677

Ion Ratio Lower Upper

106 100

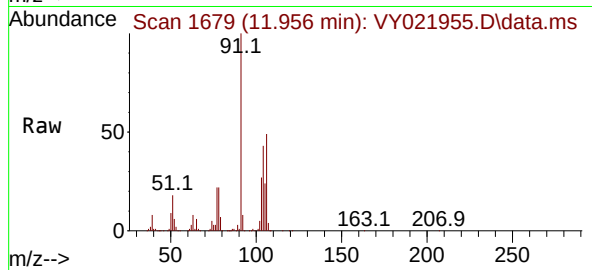
91 194.2 156.2 234.2





#69
o-Xylene
Concen: 18.945 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

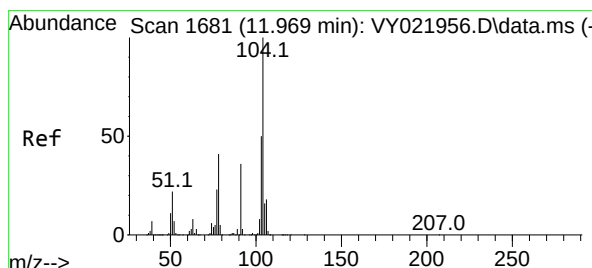
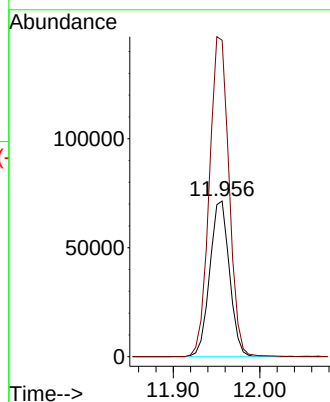
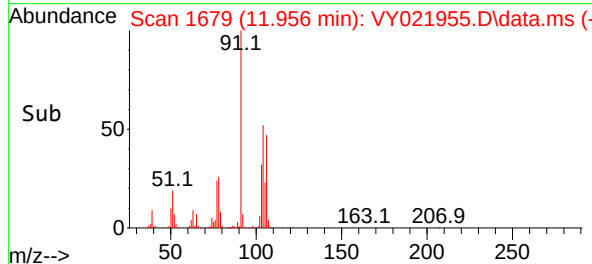
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:106 Resp: 112603
Ion Ratio Lower Upper
106 100
91 206.1 103.0 308.9

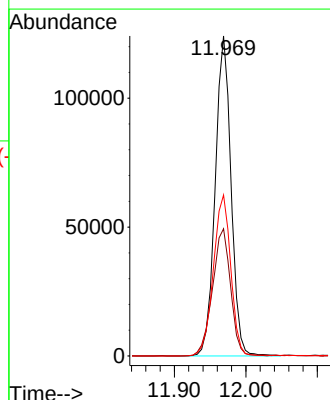
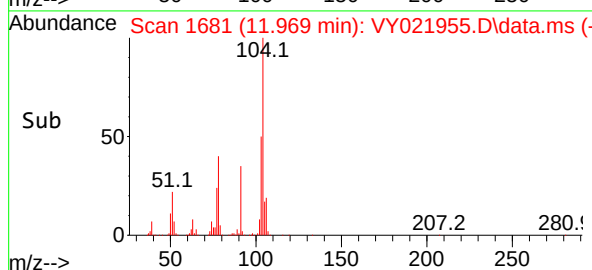
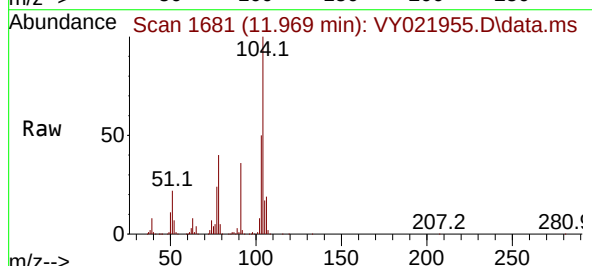
Manual Integrations
APPROVED

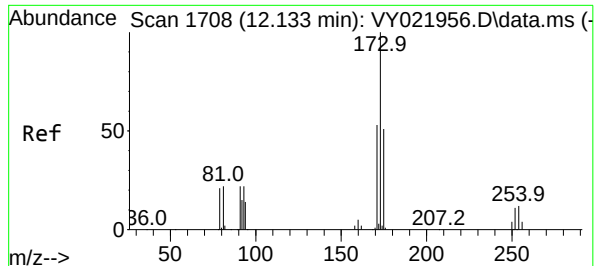
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 19.149 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

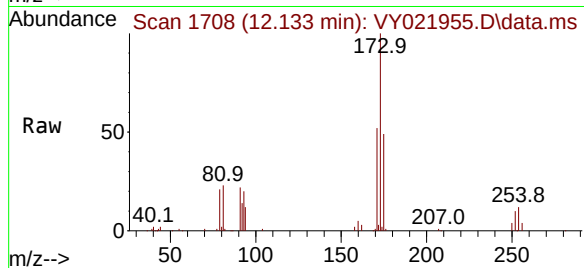
Tgt Ion:104 Resp: 191106
Ion Ratio Lower Upper
104 100
78 45.3 36.6 54.8
103 55.3 43.8 65.8





#71
Bromoform
Concen: 19.573 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

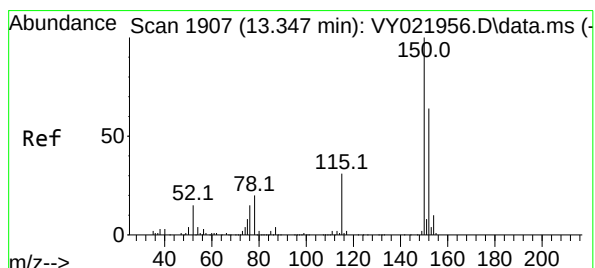
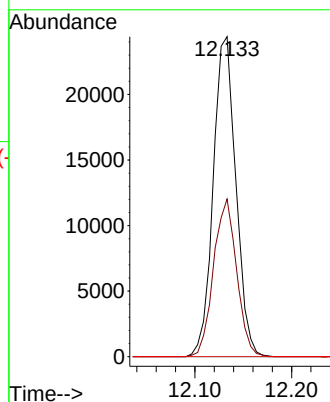
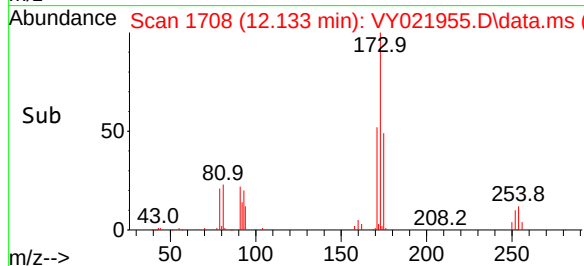
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



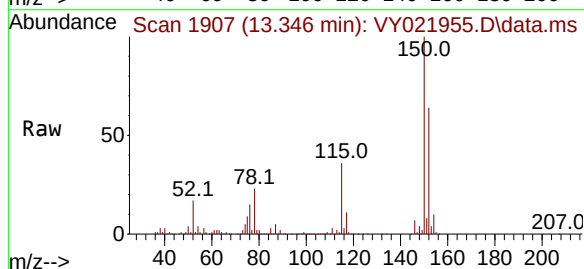
Tgt Ion:173 Resp: 39690
Ion Ratio Lower Upper
173 100
175 50.2 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

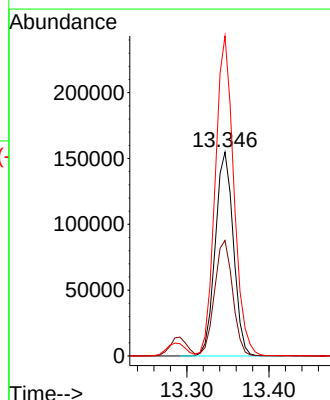
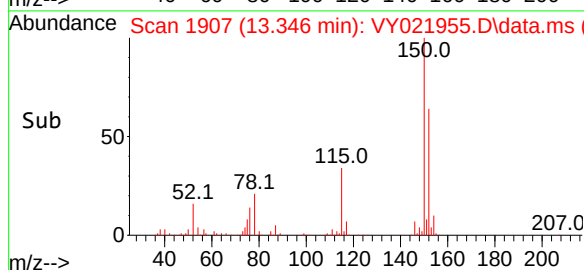
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

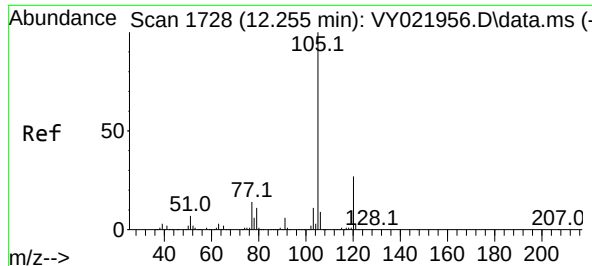


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07



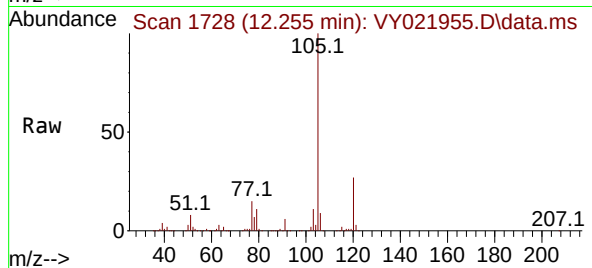
Tgt Ion:152 Resp: 236548
Ion Ratio Lower Upper
152 100
115 56.9 28.0 84.0
150 161.0 0.0 345.6





#73
Isopropylbenzene
Concen: 18.570 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

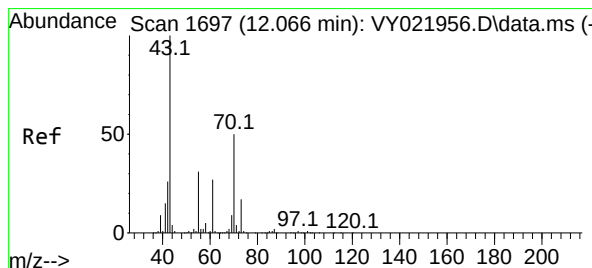
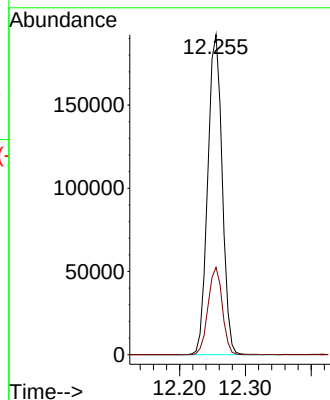
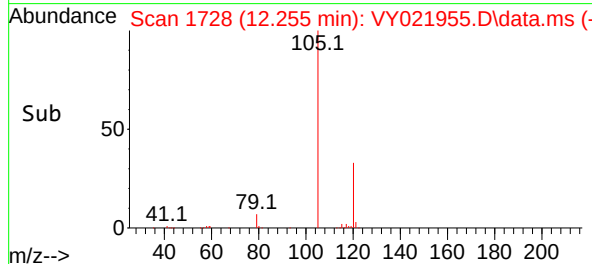
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 105 Resp: 29348
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.5

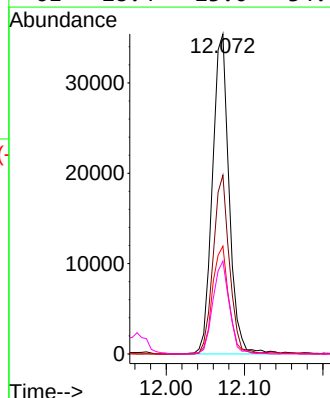
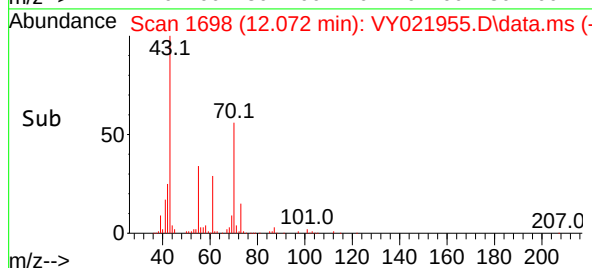
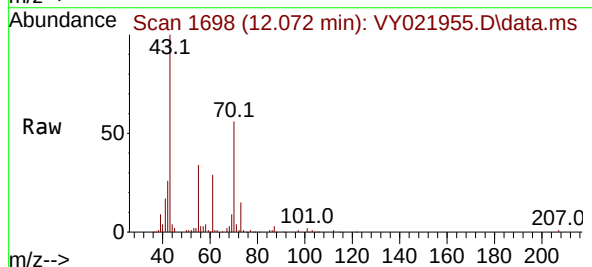
Manual Integrations
APPROVED

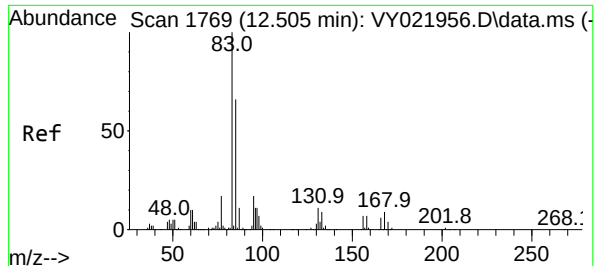
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 19.271 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

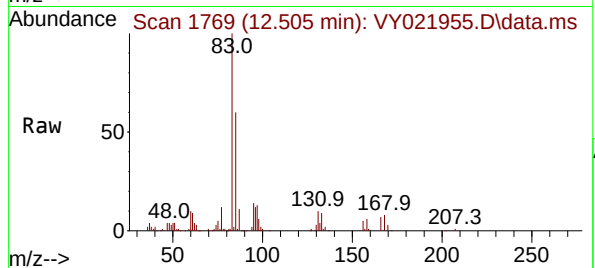
Tgt Ion: 43 Resp: 52325
Ion Ratio Lower Upper
43 100
70 54.1 43.2 64.8
55 33.2 25.7 38.5
61 28.4 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.713 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

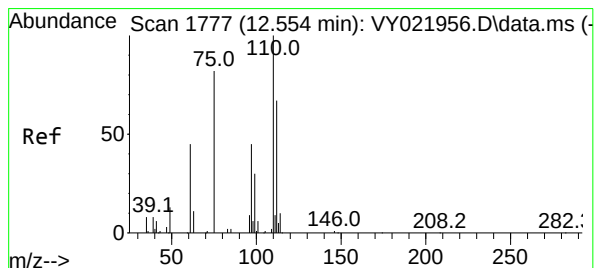
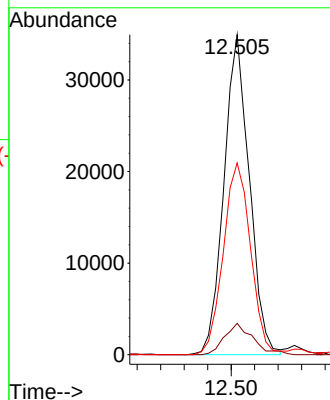
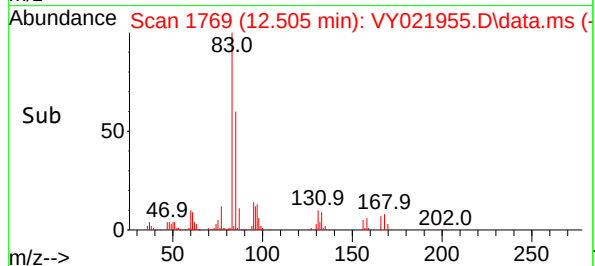
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



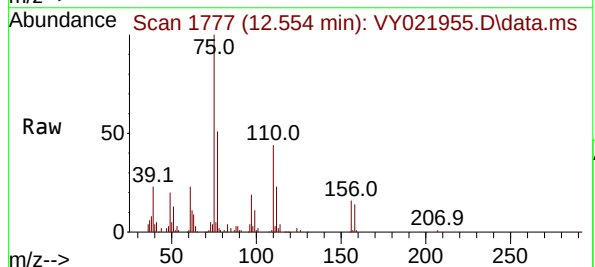
Tgt Ion: 83 Resp: 52524
Ion Ratio Lower Upper
83 100
131 10.9 5.5 16.4
85 64.5 32.3 96.8

Manual Integrations
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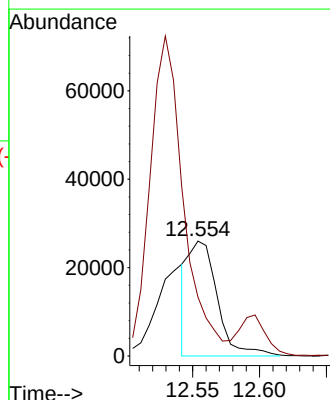
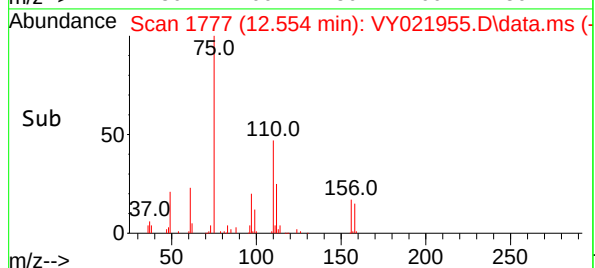
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

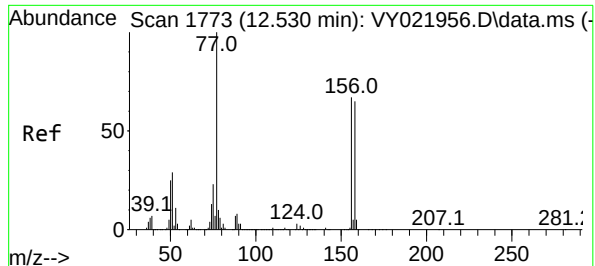


#76
1,2,3-Trichloropropane
Concen: 18.965 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07



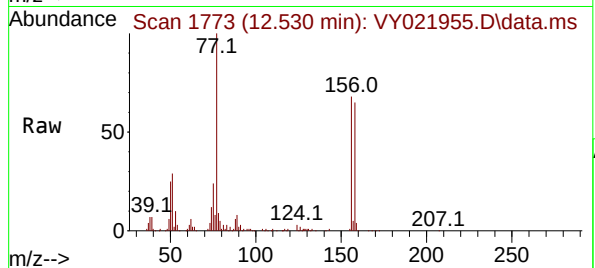
Tgt Ion: 75 Resp: 39530
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 18.490 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

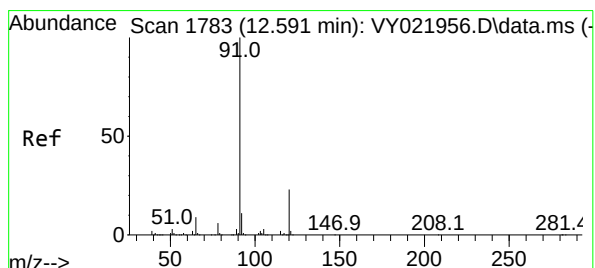
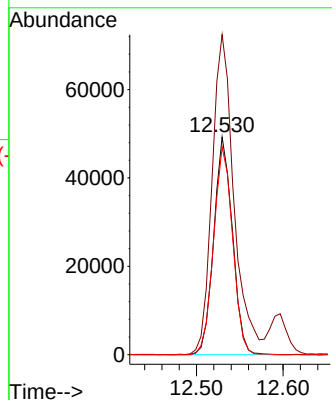
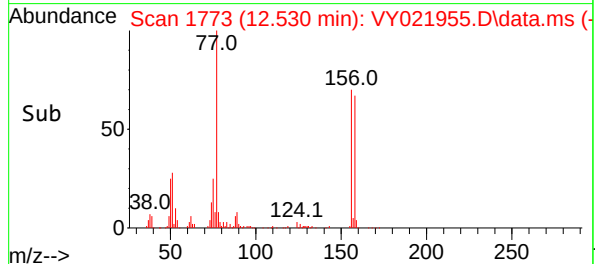
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 156 Resp: 73838
Ion Ratio Lower Upper
156 100
77 171.2 82.7 248.1
158 97.3 48.1 144.4

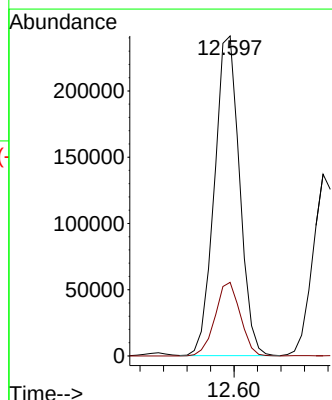
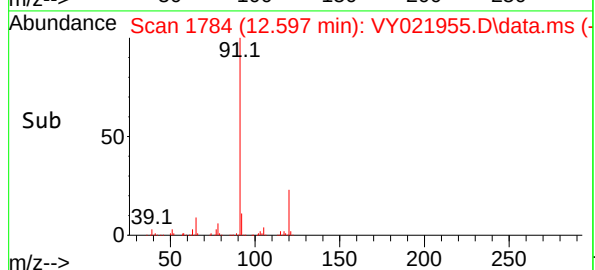
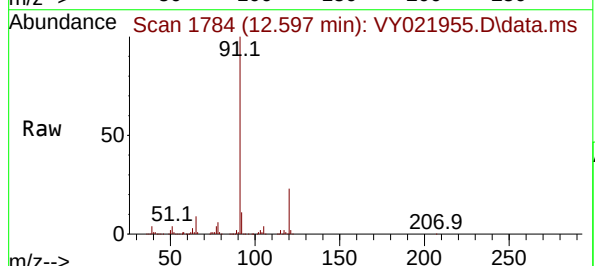
Manual Integrations
APPROVED

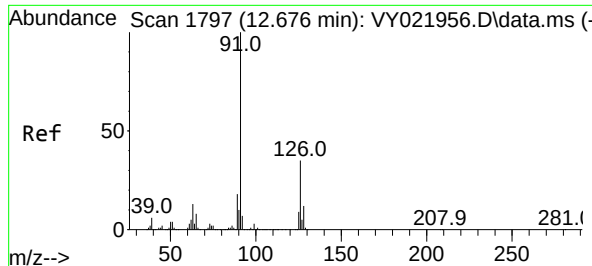
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 18.992 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

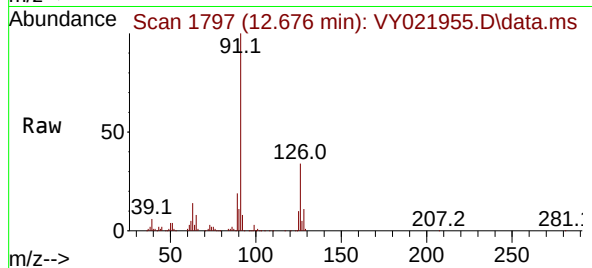
Tgt Ion: 91 Resp: 357438
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5





#79
2-Chlorotoluene
Concen: 18.840 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

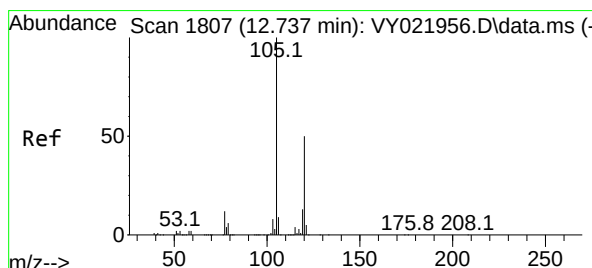
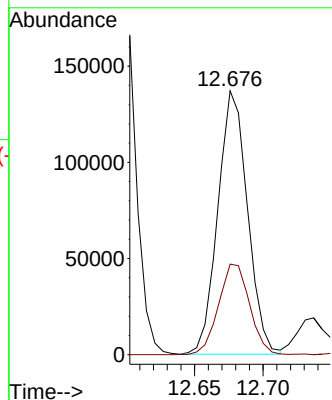
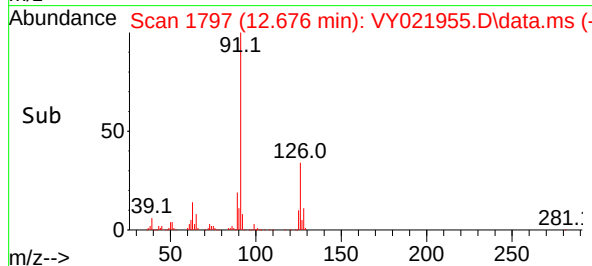
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 91 Resp: 206212
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.8

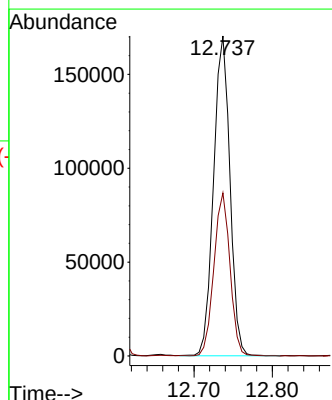
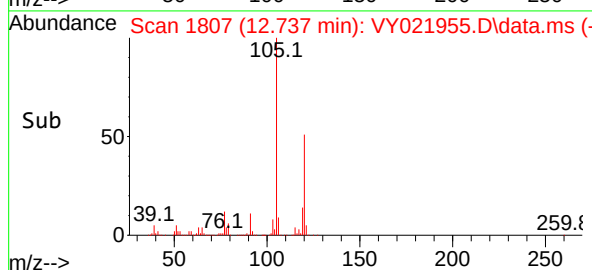
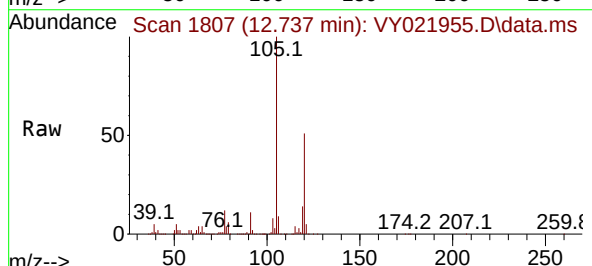
Manual Integrations
APPROVED

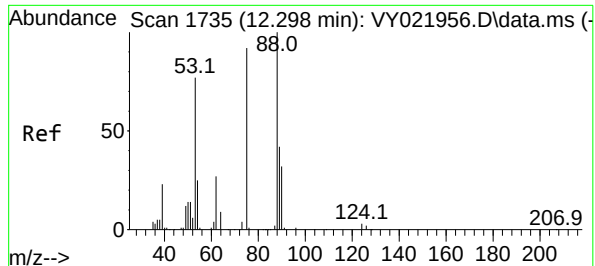
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.997 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

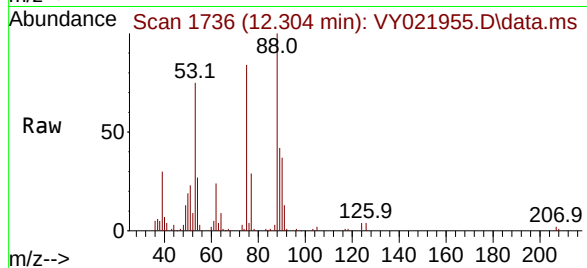
Tgt Ion:105 Resp: 247372
Ion Ratio Lower Upper
105 100
120 50.1 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.163 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

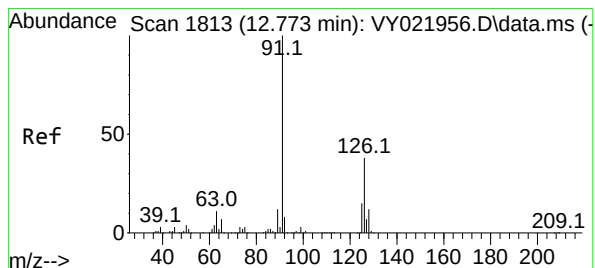
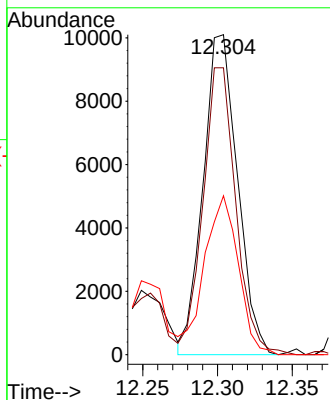
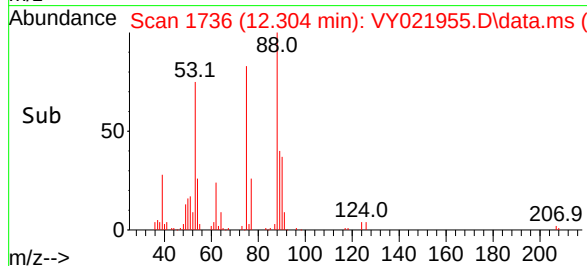
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1612
Ion Ratio Lower Upper
75 100
53 85.8 66.0 99.0
89 49.1 37.2 55.8

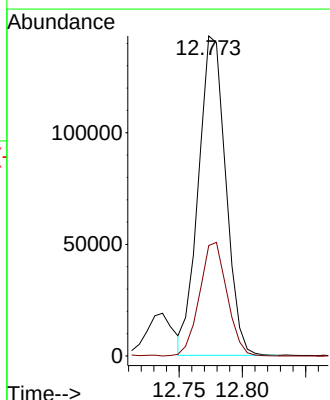
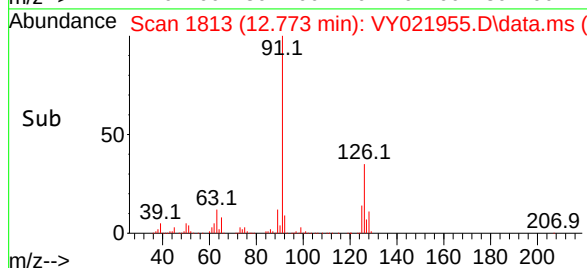
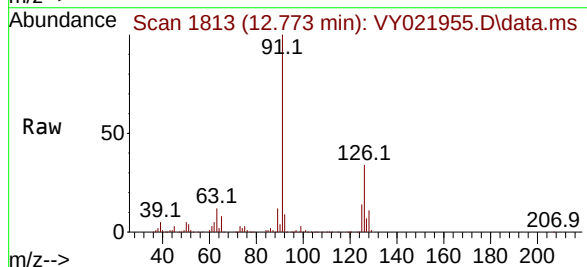
Manual Integrations
APPROVED

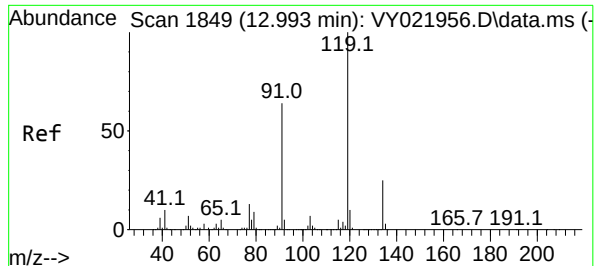
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 18.876 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 214776
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8





#83

tert-Butylbenzene

Concen: 18.337 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

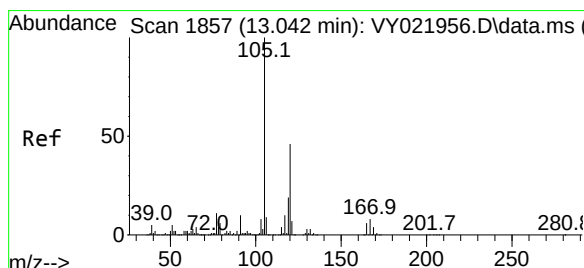
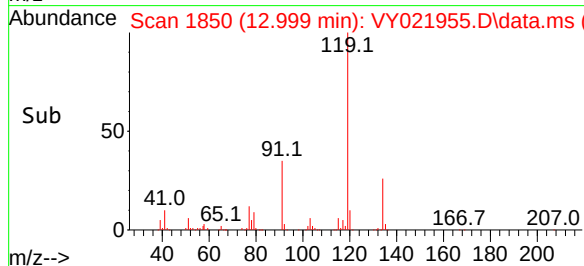
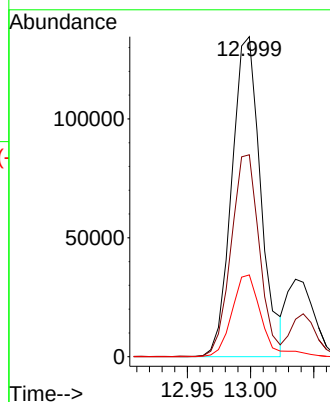
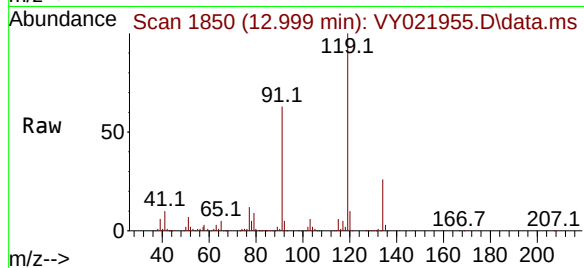
VSTDIC020

Tgt Ion:	119	Resp:	214149
Ion Ratio	Lower	Upper	
119	100		
91	61.8	30.3	90.9
134	26.2	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.110 ug/l

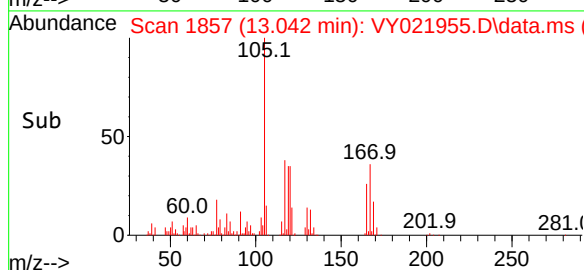
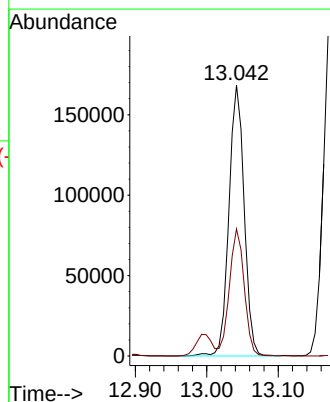
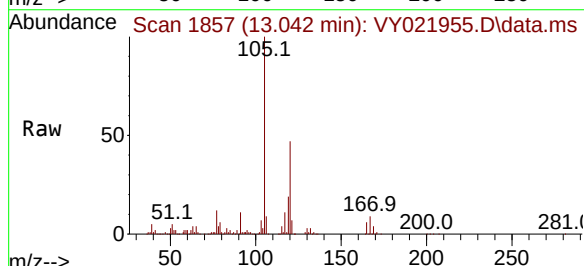
RT: 13.042 min Scan# 1857

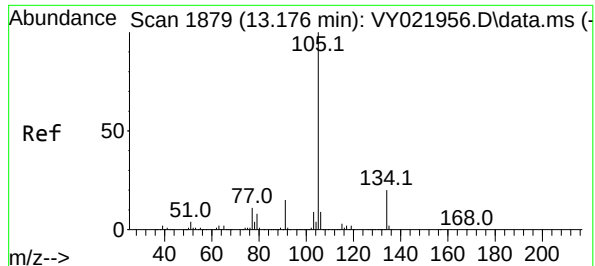
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Tgt Ion:	105	Resp:	248902
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.4	70.0





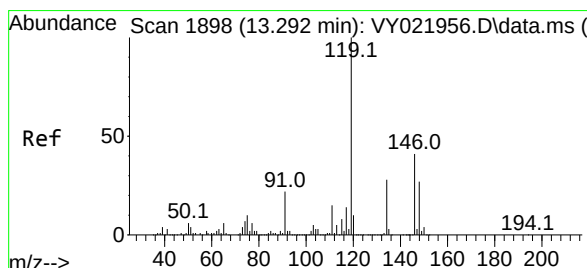
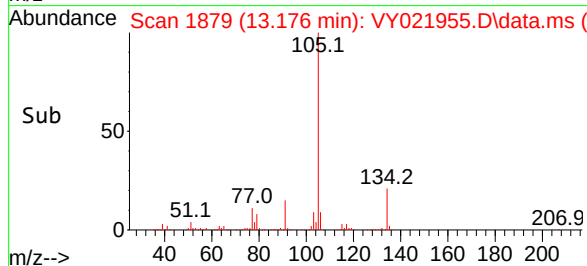
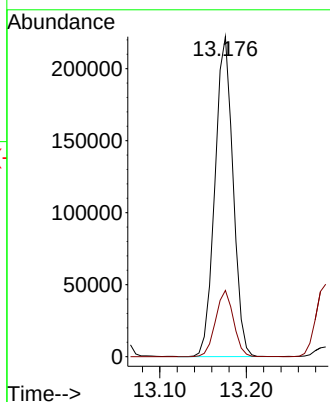
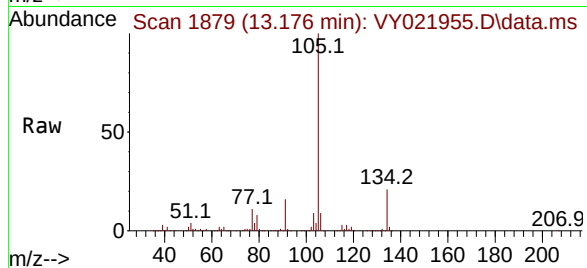
#85
sec-Butylbenzene
Concen: 18.873 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 32252
Ion Ratio Lower Upper
105 100
134 20.6 10.3 30.9

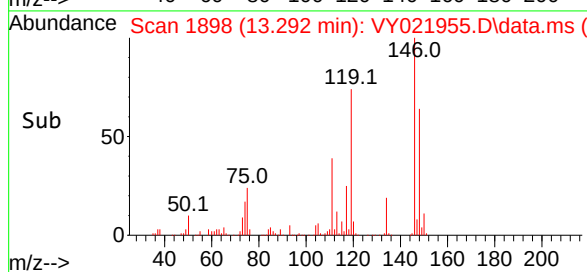
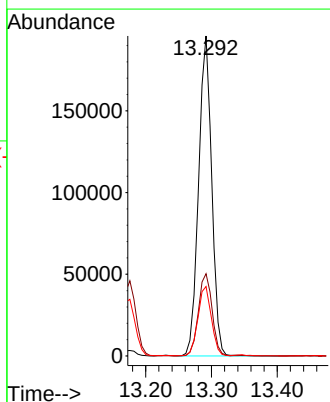
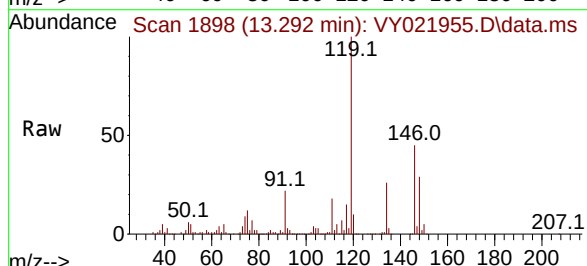
Manual Integrations
APPROVED

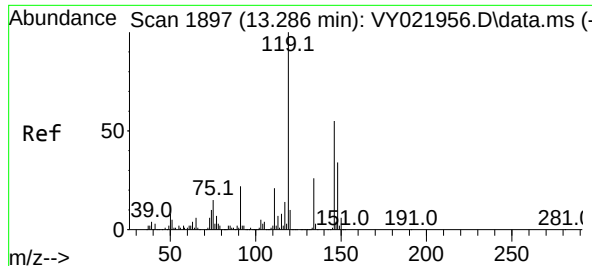
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 18.706 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:119 Resp: 271440
Ion Ratio Lower Upper
119 100
134 26.9 13.6 40.7
91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 18.602 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021955.D

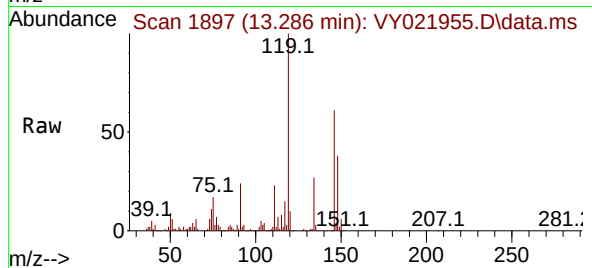
Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

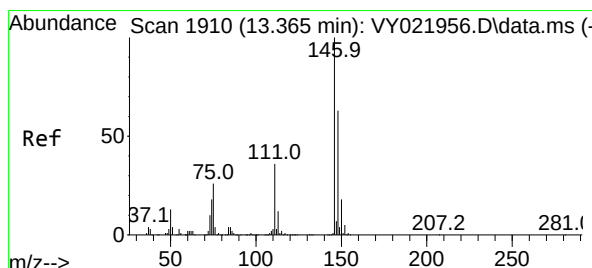
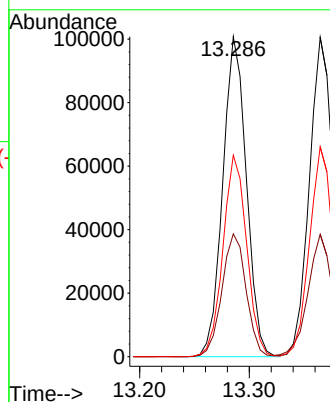
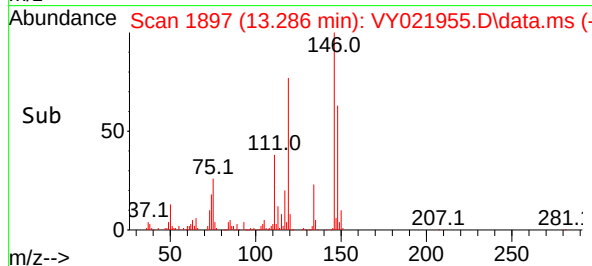


Tgt Ion:	146	Resp:	15087
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	63.2	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

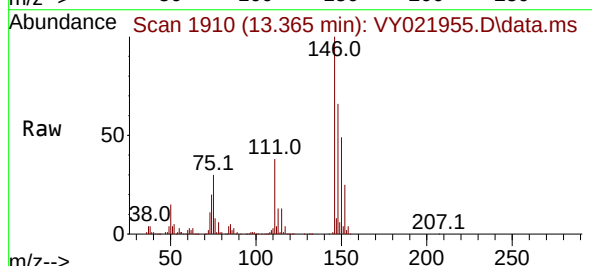
Concen: 18.905 ug/l

RT: 13.365 min Scan# 1910

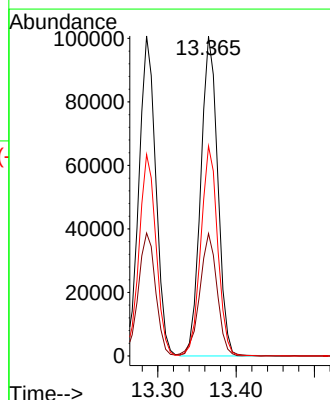
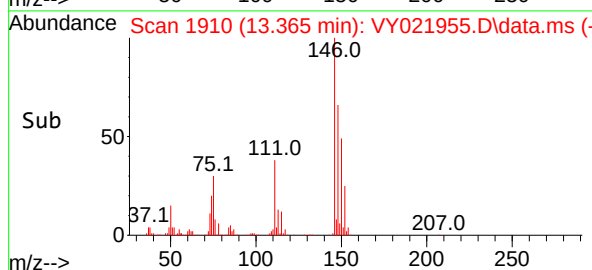
Delta R.T. -0.000 min

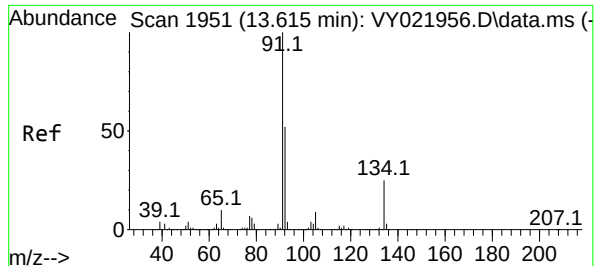
Lab File: VY021955.D

Acq: 22 Apr 2025 15:07



Tgt Ion:	146	Resp:	151864
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 18.566 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

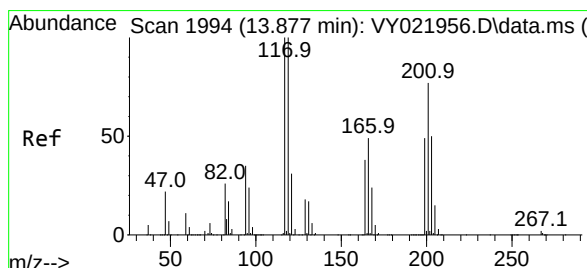
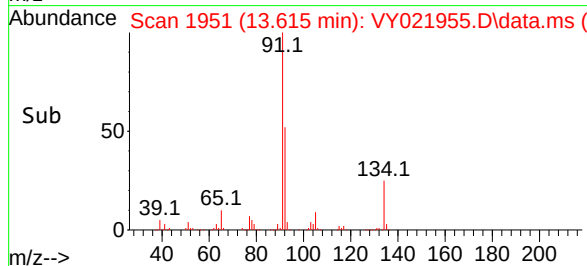
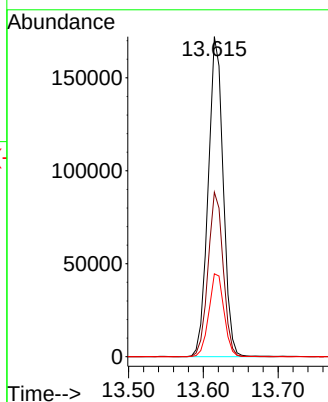
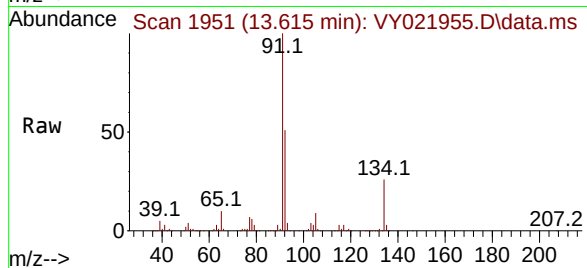
VSTDIC020

Tgt Ion:	91	Resp:	240810
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	26.2	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 18.211 ug/l

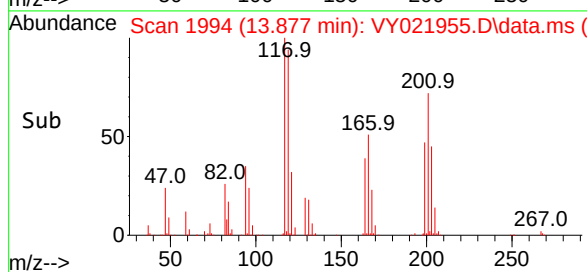
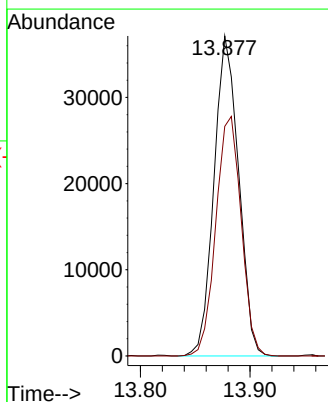
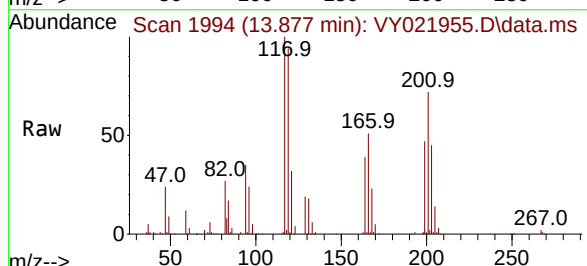
RT: 13.877 min Scan# 1994

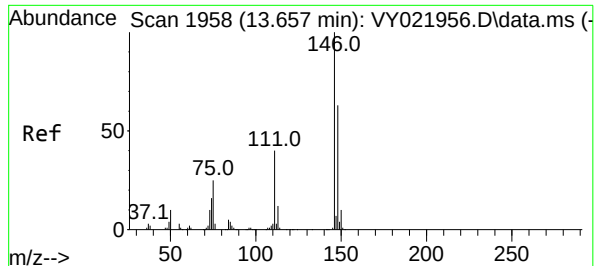
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

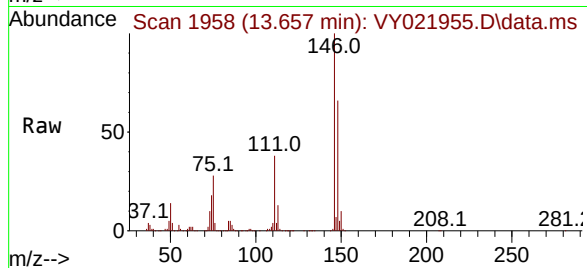
Tgt Ion:	117	Resp:	58060
Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 19.175 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

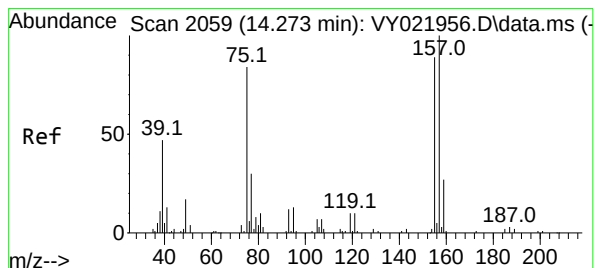
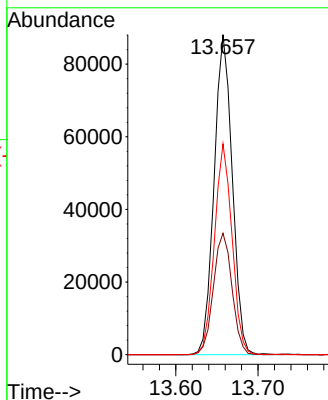
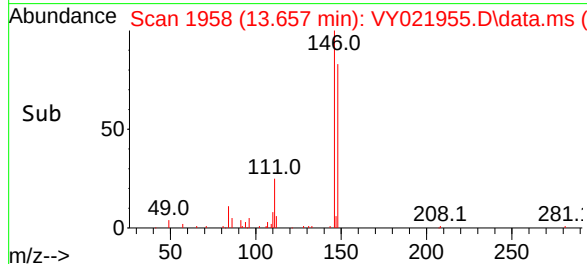
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:146 Resp: 135650
Ion Ratio Lower Upper
146 100
111 38.9 19.7 59.1
148 63.8 32.1 96.3

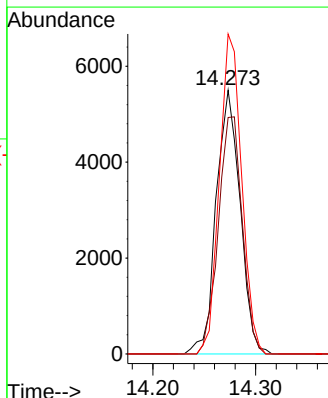
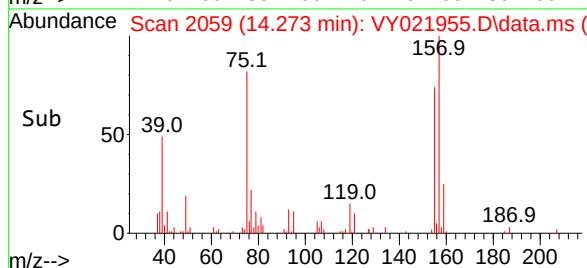
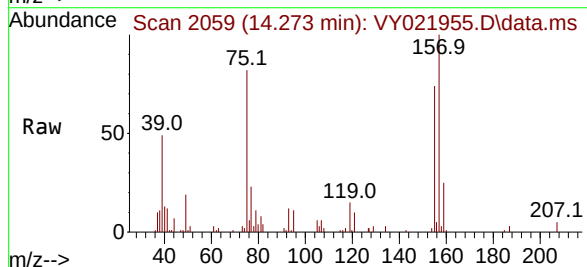
Manual Integrations
APPROVED

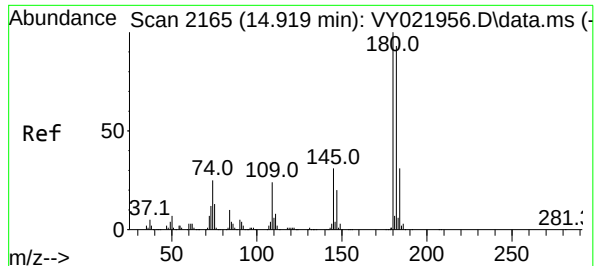
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.910 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 8864
Ion Ratio Lower Upper
75 100
155 90.1 50.7 152.3
157 113.1 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 18.532 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

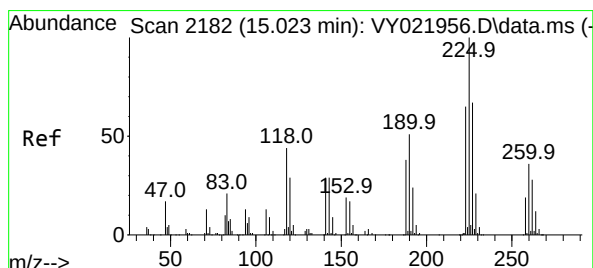
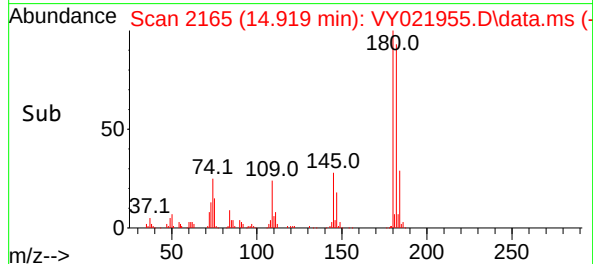
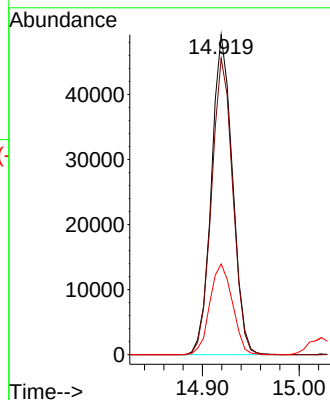
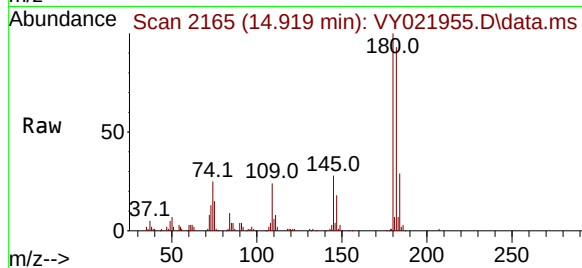
VSTDIC020

Tgt Ion:180	Resp:	74289
Ion Ratio	Lower	Upper
180	100	
182	93.2	47.1 141.4
145	30.4	15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 18.538 ug/l

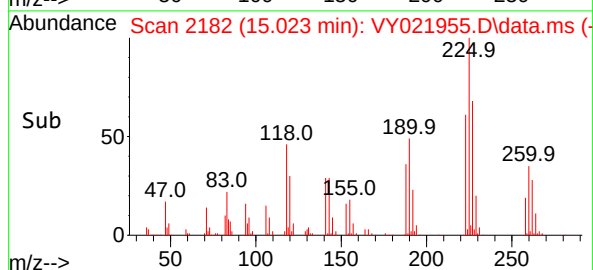
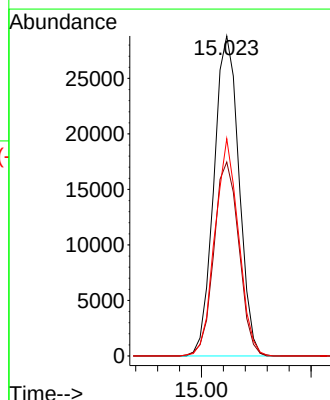
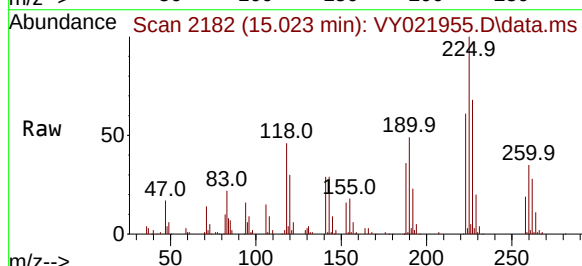
RT: 15.023 min Scan# 2182

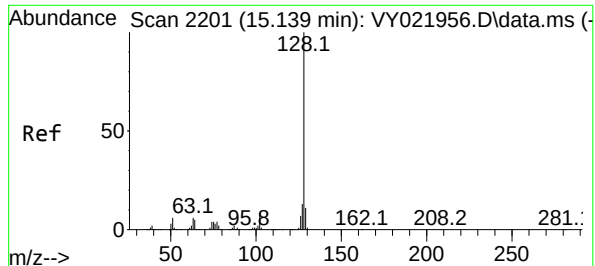
Delta R.T. -0.000 min

Lab File: VY021955.D

Acq: 22 Apr 2025 15:07

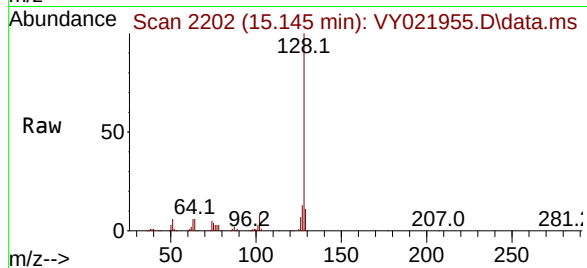
Tgt Ion:225	Resp:	45722
Ion Ratio	Lower	Upper
225	100	
223	60.5	31.9 95.5
227	64.3	32.3 96.9





#95
Naphthalene
Concen: 18.238 ug/l
RT: 15.145 min Scan# 211
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

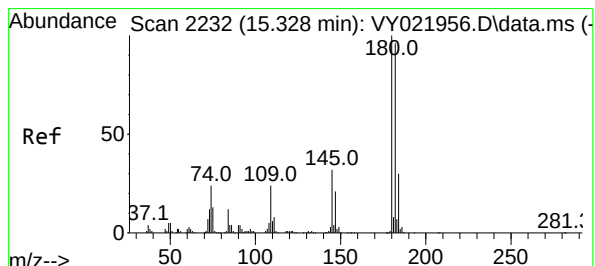
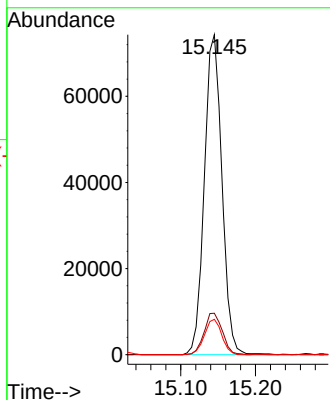
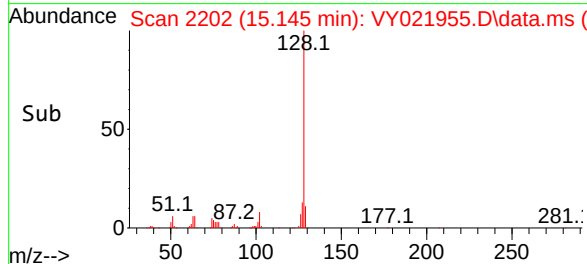
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 121454
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.9 8.9 13.3

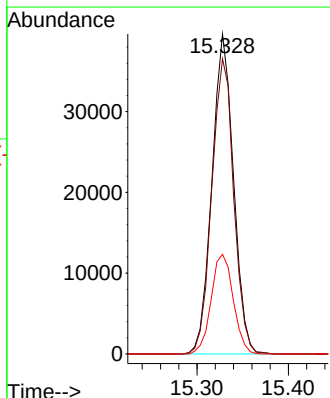
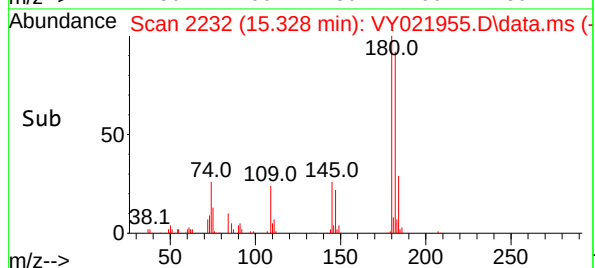
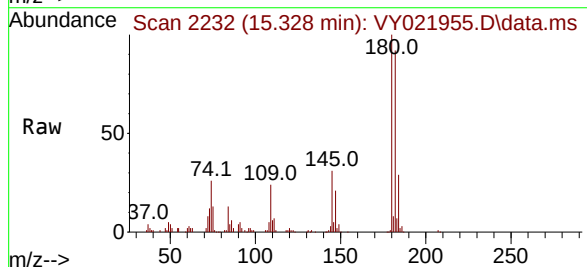
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.707 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:180 Resp: 64735
Ion Ratio Lower Upper
180 100
182 94.0 48.1 144.4
145 32.0 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l	100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l	100
44) Trichloroethene	8.860	130	183327	47.744	ug/l	100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l	100
46) Dibromomethane	9.231	93	93536	48.740	ug/l	100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l	100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l	100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l	100
52) Toluene	10.170	92	446525	49.760	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l	100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l	100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l	100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l	100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l	100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l	100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l	100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l	100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l	100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l	100
69) o-Xylene	11.950	106	315731	51.325	ug/l	100
70) Styrene	11.969	104	535957	51.890	ug/l	100
71) Bromoform	12.133	173	105166	50.110	ug/l #	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l	100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l	
77) Bromobenzene	12.530	156	203522	49.021	ug/l	100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l	100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l	100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l	100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l	100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l	100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l	100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l	100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l	100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l	100
95) Naphthalene	15.139	128	353130	51.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

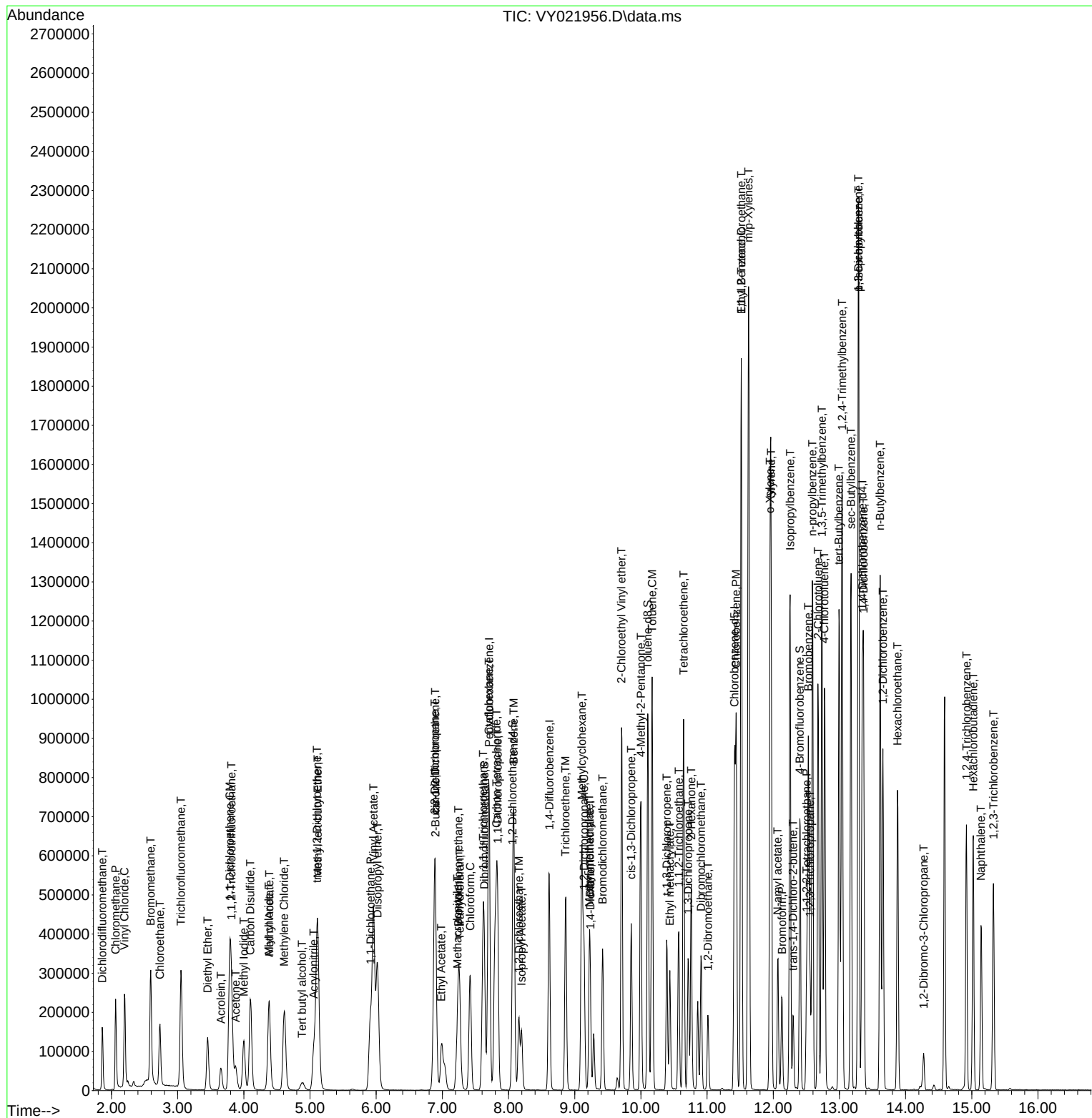
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Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

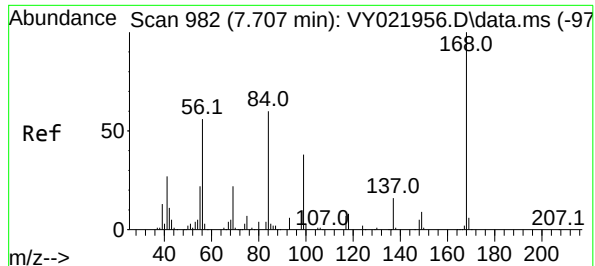
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration





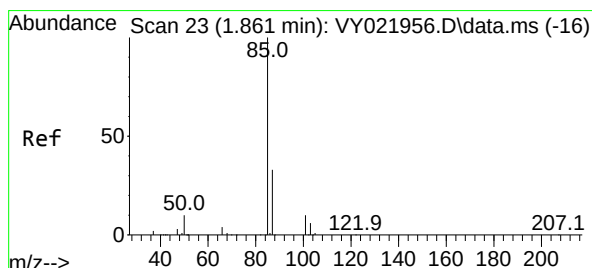
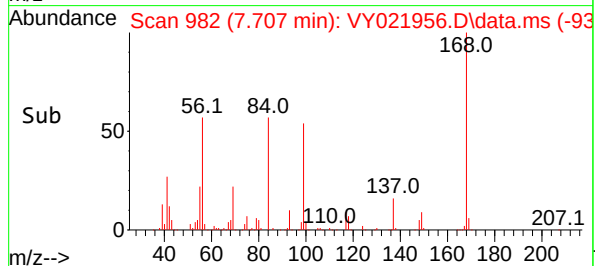
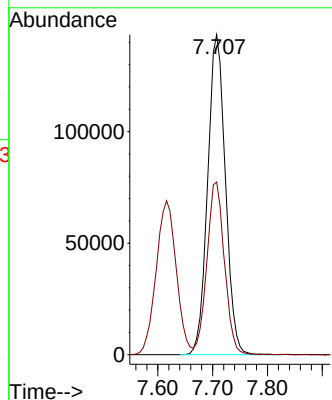
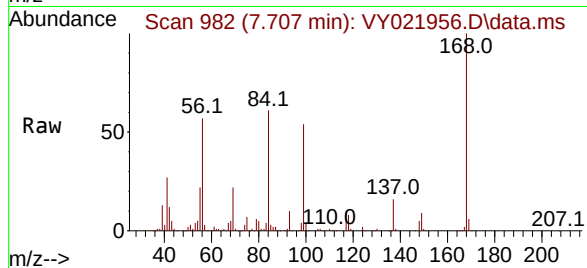
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 32145
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7

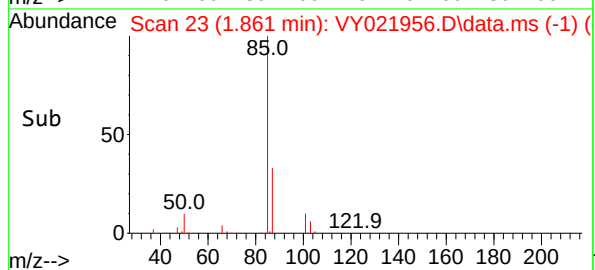
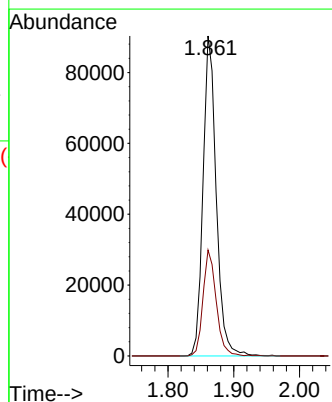
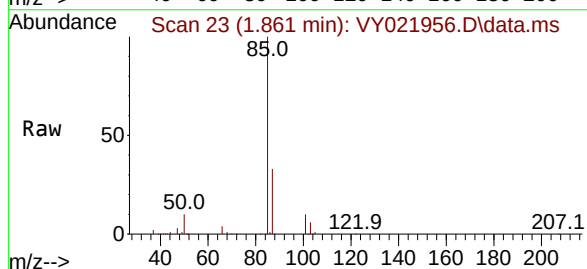
Manual Integrations
APPROVED

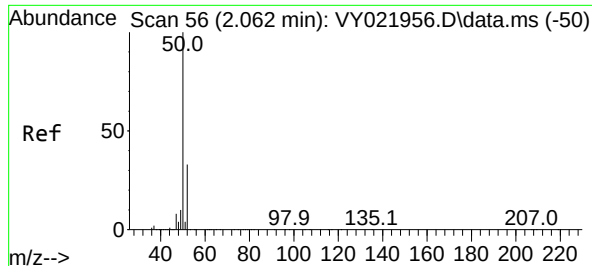
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 46.089 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 85 Resp: 126242
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7





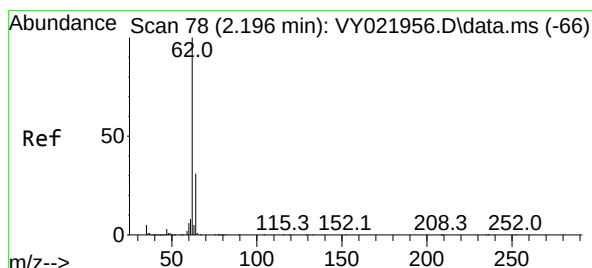
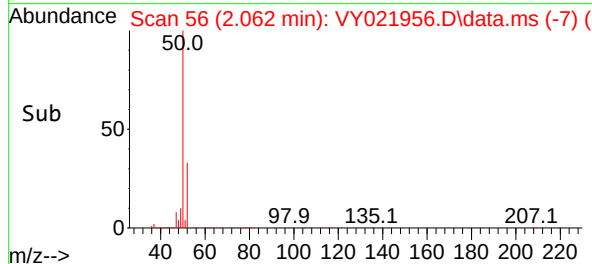
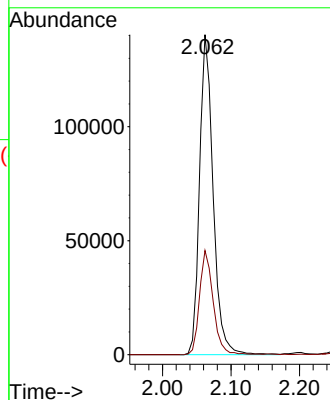
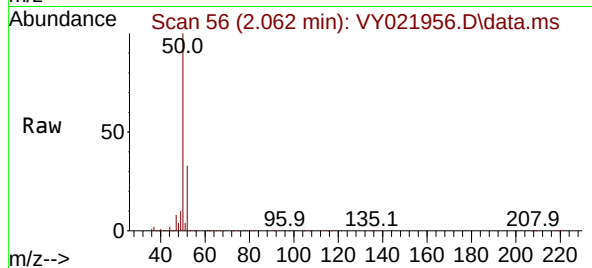
#3
Chloromethane
Concen: 49.653 ug/l
RT: 2.062 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 19365
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1

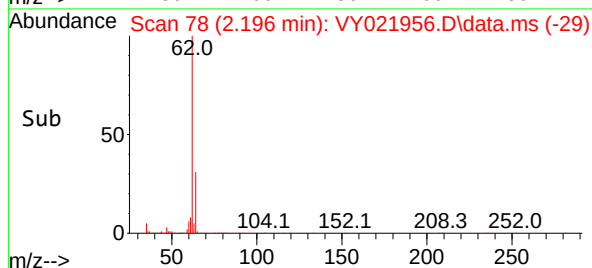
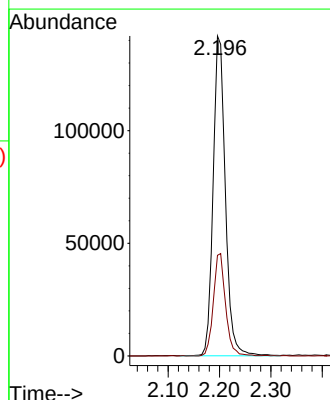
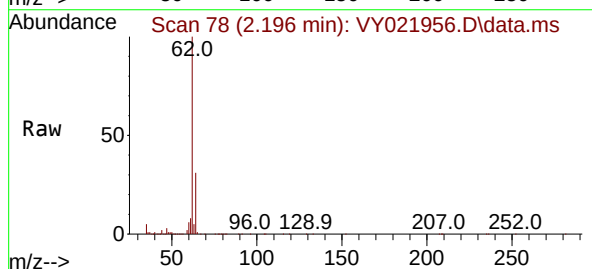
Manual Integrations
APPROVED

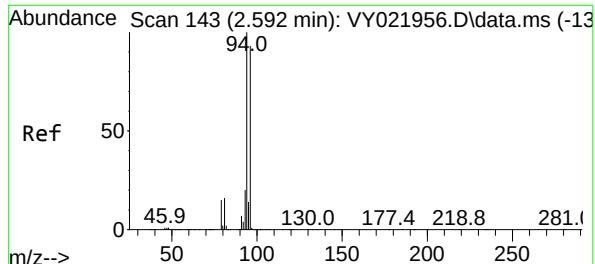
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 48.981 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

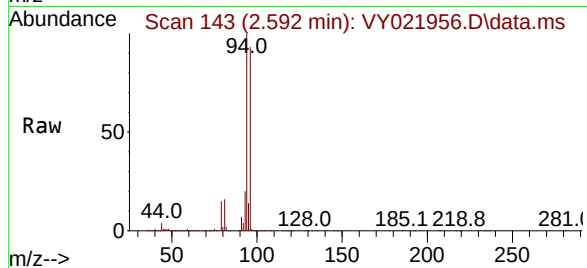
Tgt Ion: 62 Resp: 234756
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5
Bromomethane
Concen: 46.385 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

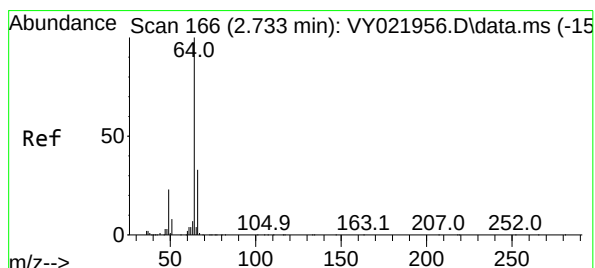
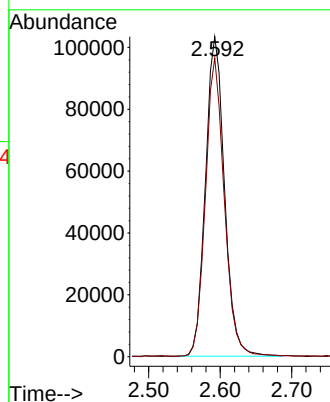
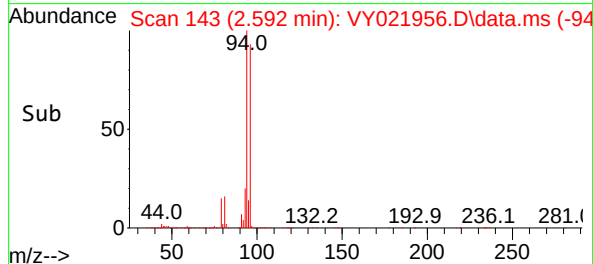
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 191530
Ion Ratio Lower Upper
94 100
96 93.2 74.6 111.8

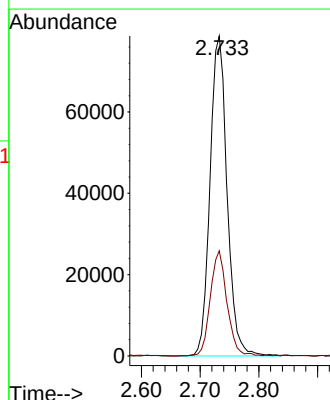
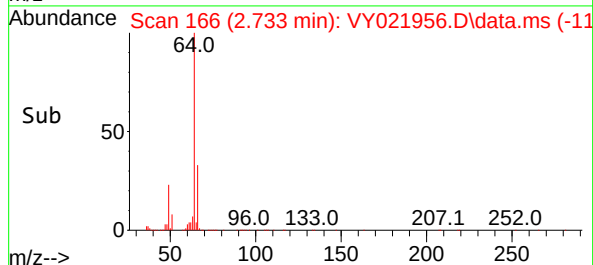
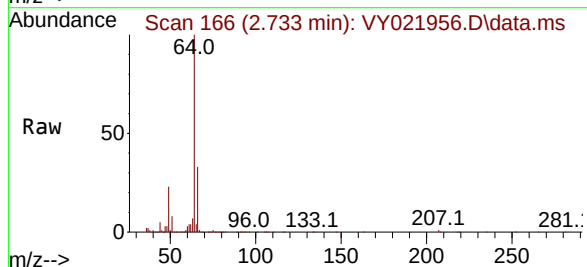
Manual Integrations
APPROVED

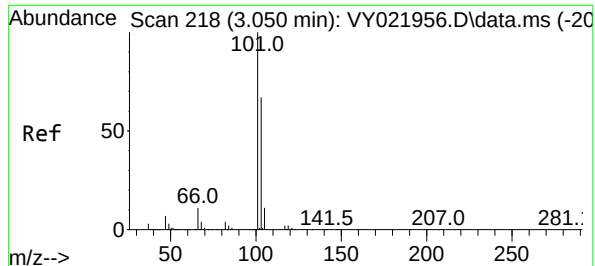
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 48.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

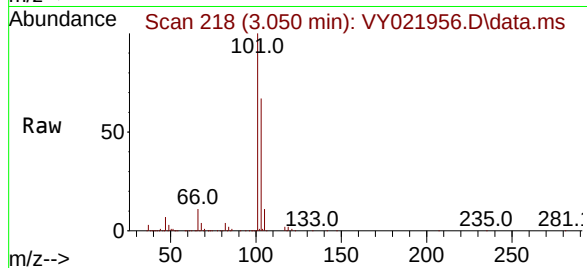
Tgt Ion: 64 Resp: 158887
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 48.817 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

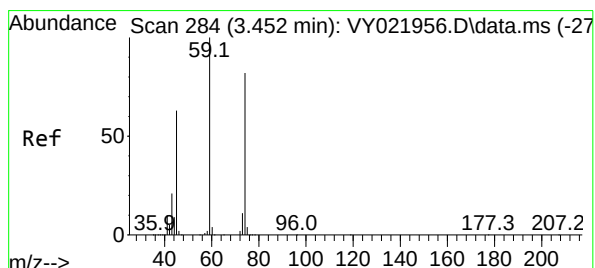
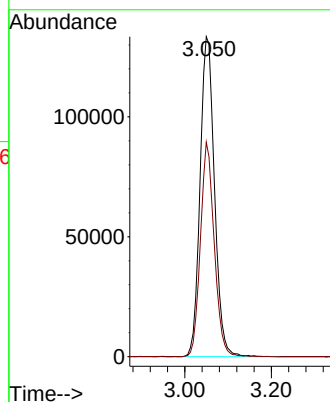
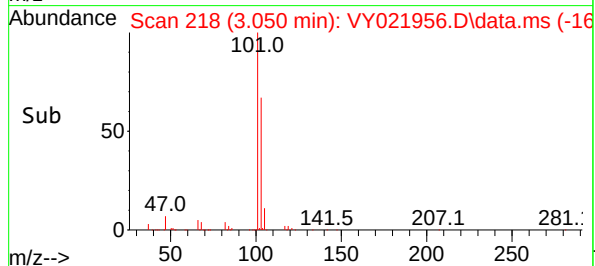
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 30852
Ion Ratio Lower Upper
101 100
103 67.0 53.6 80.4

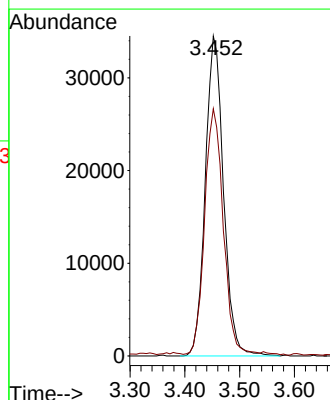
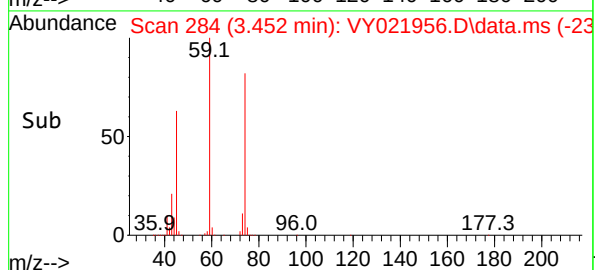
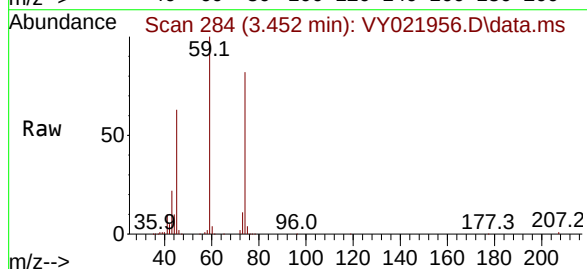
Manual Integrations
APPROVED

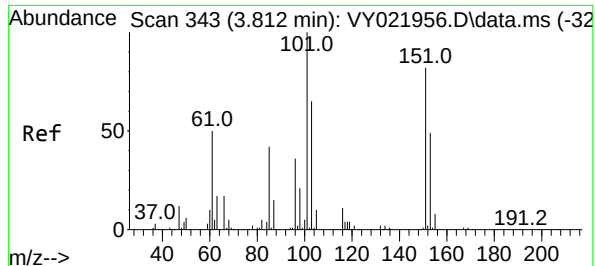
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 48.337 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 74 Resp: 79512
Ion Ratio Lower Upper
74 100
45 78.3 39.1 117.5





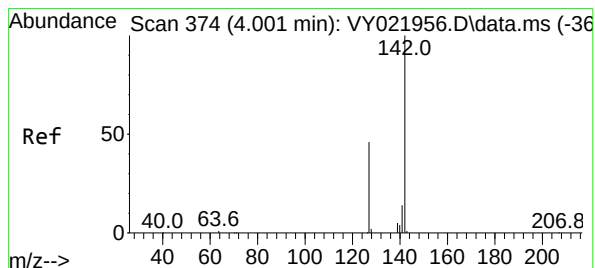
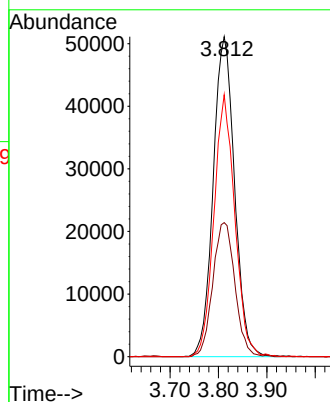
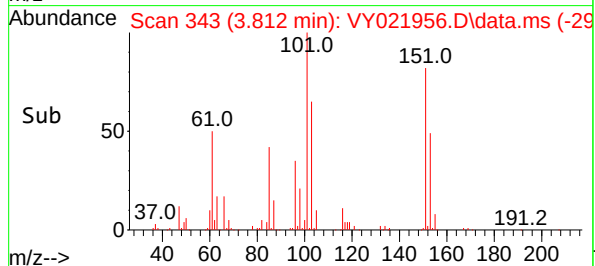
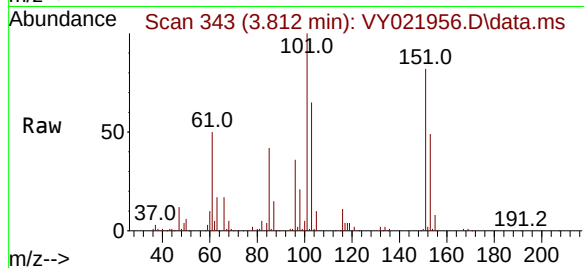
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.881 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 15729
Ion Ratio Lower Upper
101 100
85 43.2 34.6 51.8
151 79.6 63.7 95.5

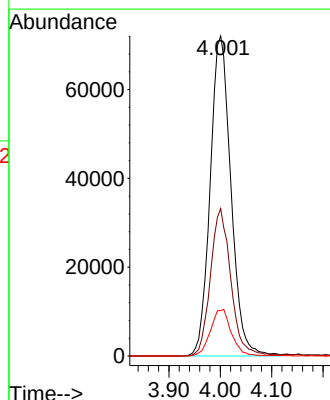
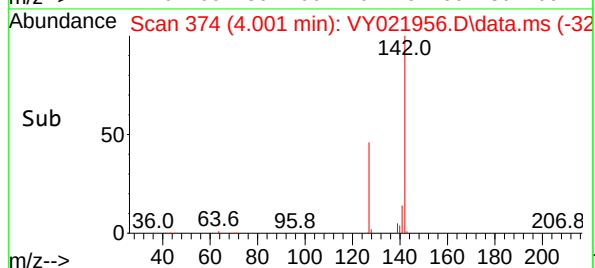
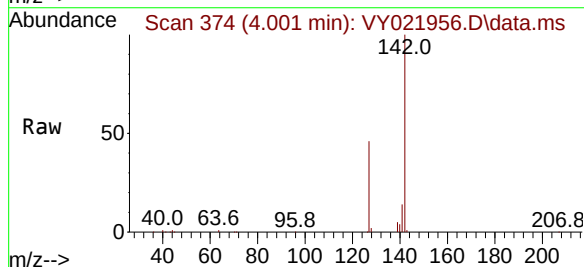
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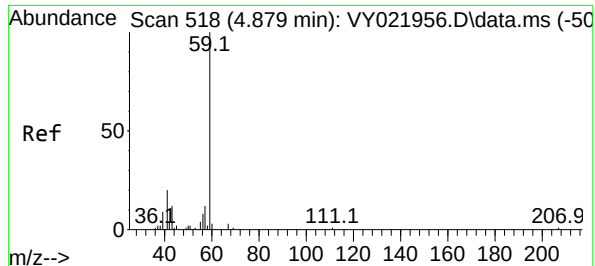
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 50.959 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:142 Resp: 202276
Ion Ratio Lower Upper
142 100
127 45.2 36.2 54.2
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 257.462 ug/l

RT: 4.879 min Scan# 518

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 41968

Ion Ratio Lower Upper

59 100

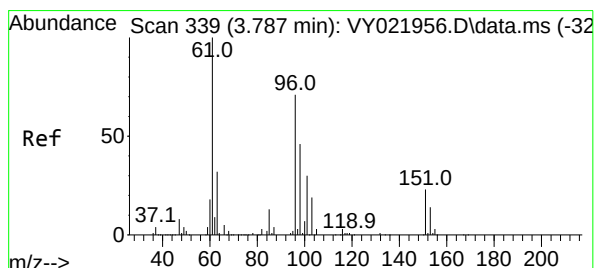
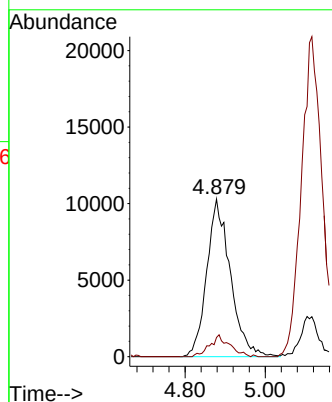
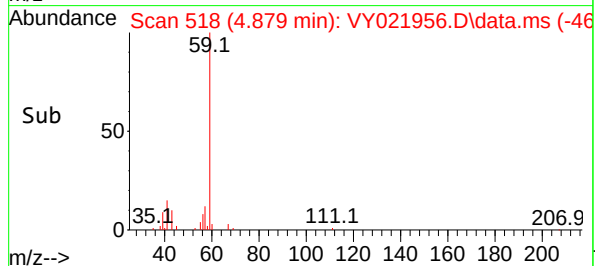
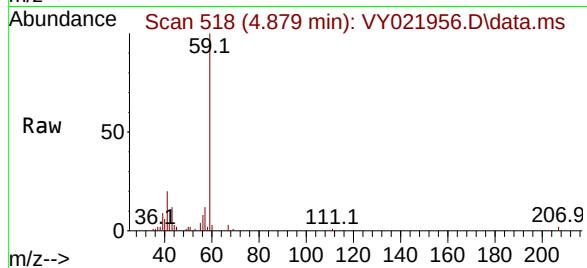
57 11.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 47.419 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

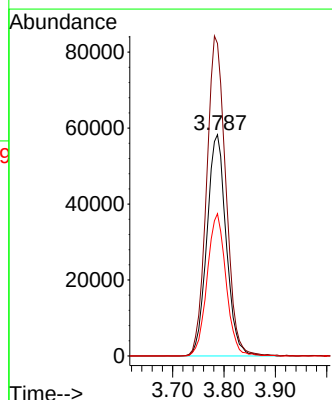
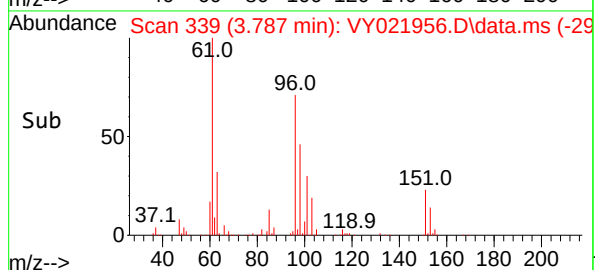
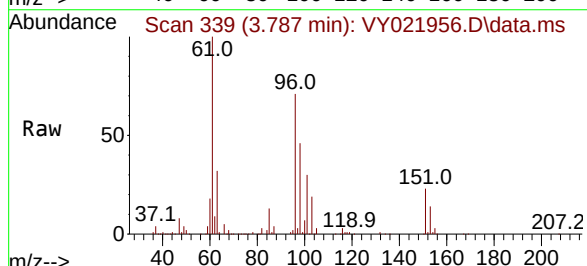
Tgt Ion: 96 Resp: 151531

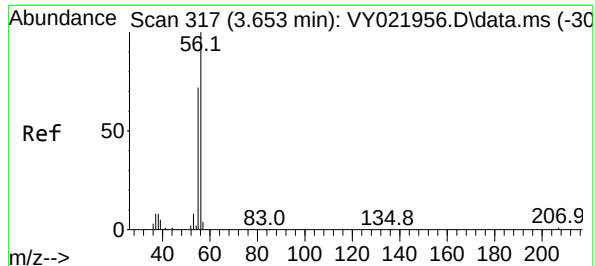
Ion Ratio Lower Upper

96 100

61 141.2 113.0 169.4

98 64.3 51.4 77.2





#13

Acrolein

Concen: 233.366 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 68275

Ion Ratio Lower Upper

56 100

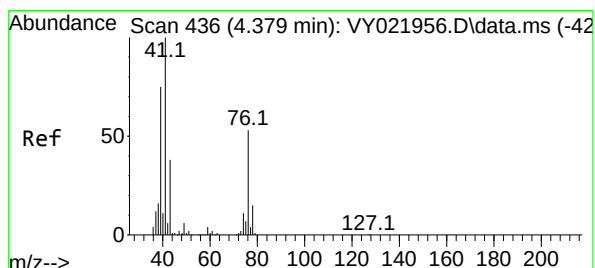
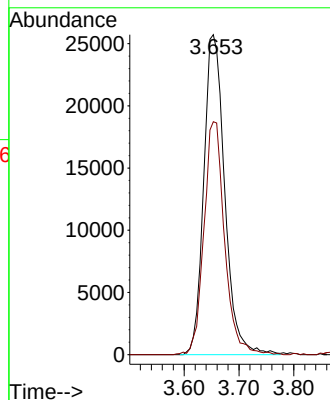
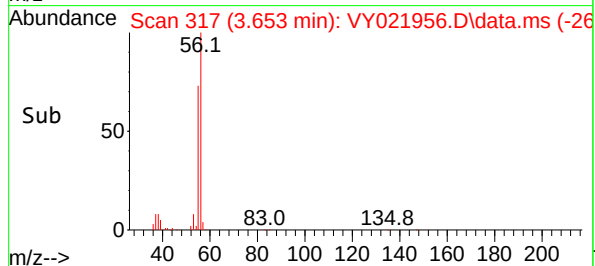
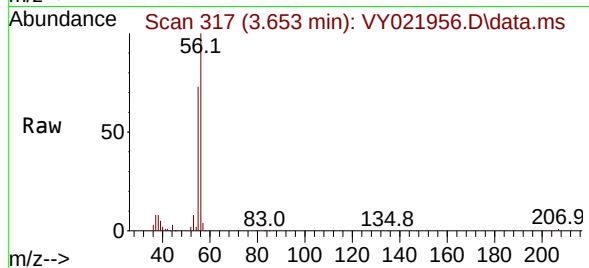
55 71.7 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 47.988 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

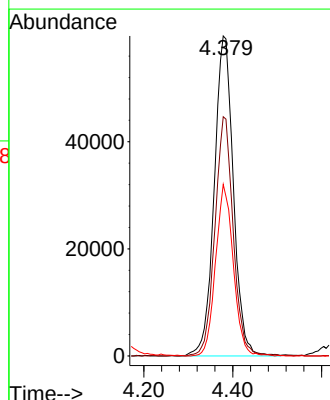
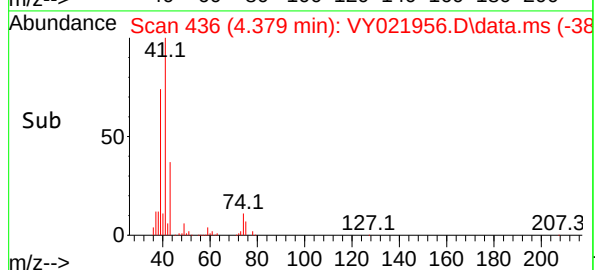
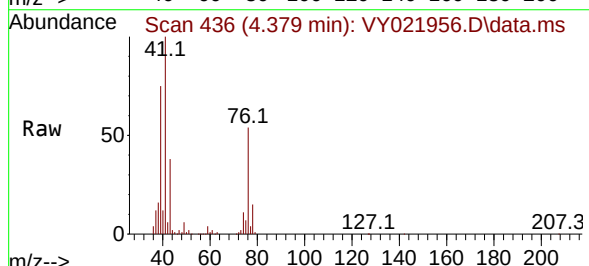
Tgt Ion: 41 Resp: 178559

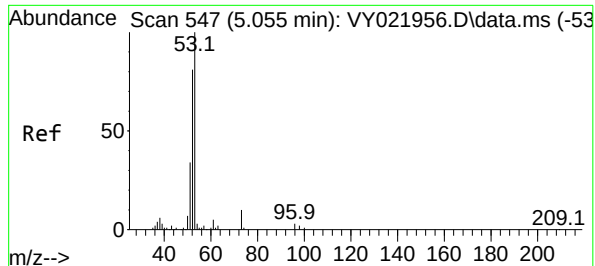
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 49.6 39.7 59.5





#15

Acrylonitrile

Concen: 249.387 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 15018

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

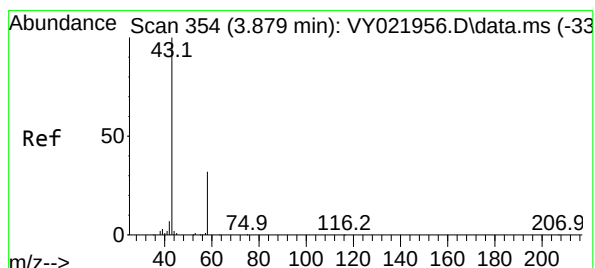
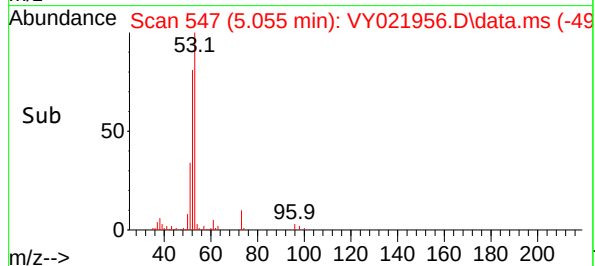
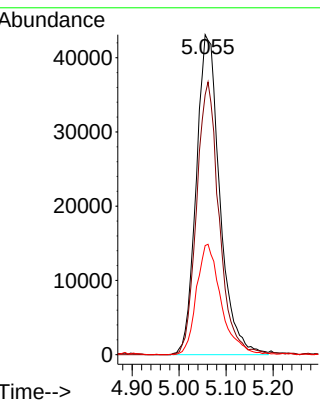
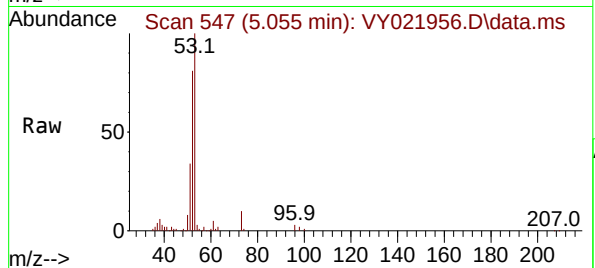
51 36.1 28.9 43.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 261.973 ug/l

RT: 3.879 min Scan# 354

Delta R.T. -0.000 min

Lab File: VY021956.D

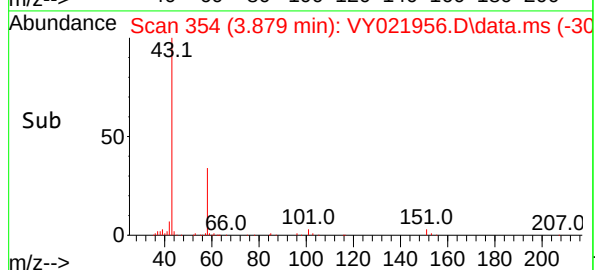
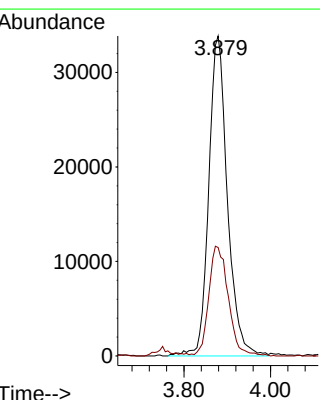
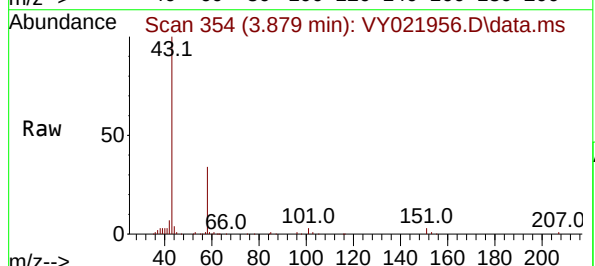
Acq: 22 Apr 2025 15:29

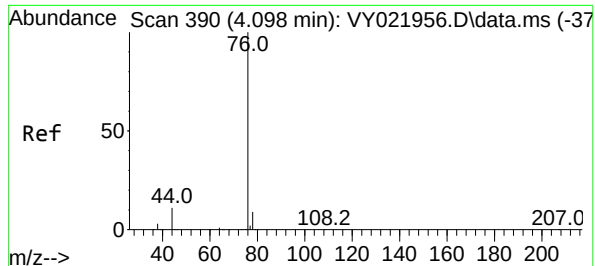
Tgt Ion: 43 Resp: 101417

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4





#17

Carbon Disulfide

Concen: 47.094 ug/l

RT: 4.098 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 47984

Ion Ratio Lower Upper

76 100

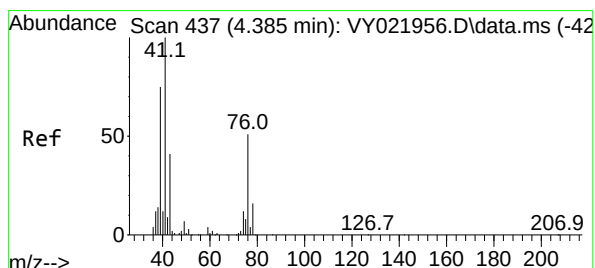
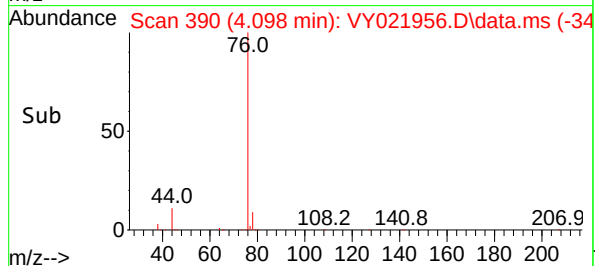
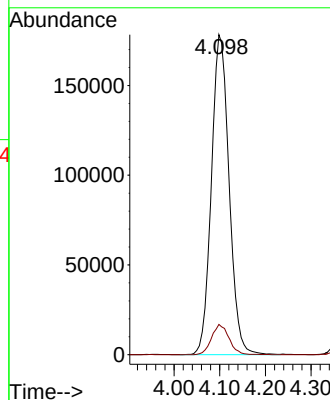
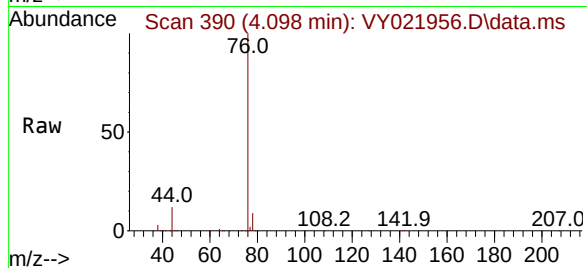
78 9.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#18

Methyl Acetate

Concen: 51.735 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021956.D

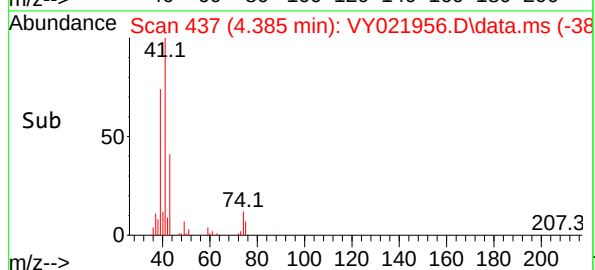
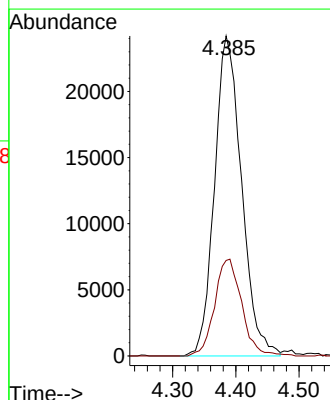
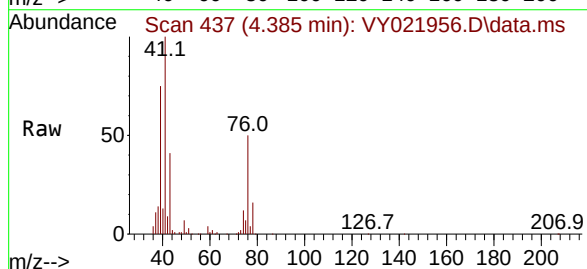
Acq: 22 Apr 2025 15:29

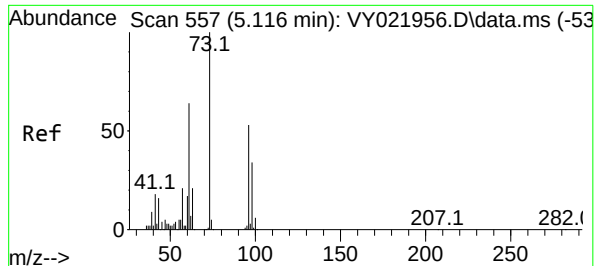
Tgt Ion: 43 Resp: 71756

Ion Ratio Lower Upper

43 100

74 30.3 24.2 36.4





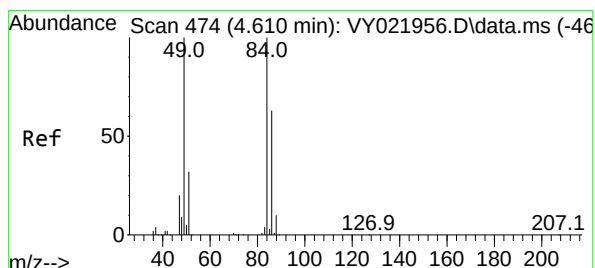
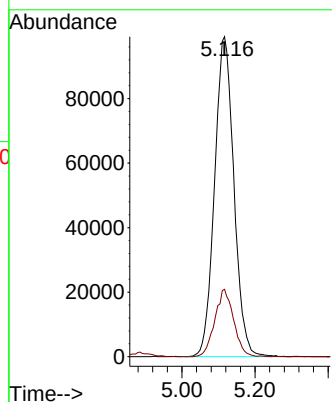
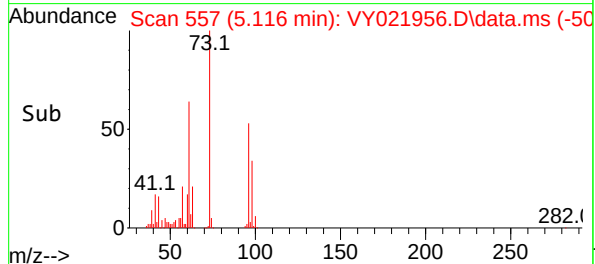
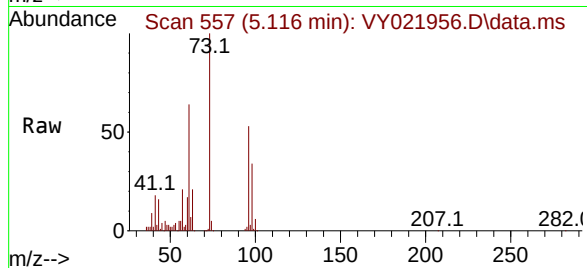
#19
Methyl tert-butyl Ether
Concen: 50.907 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 36410
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3

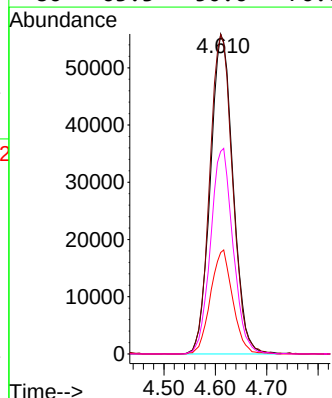
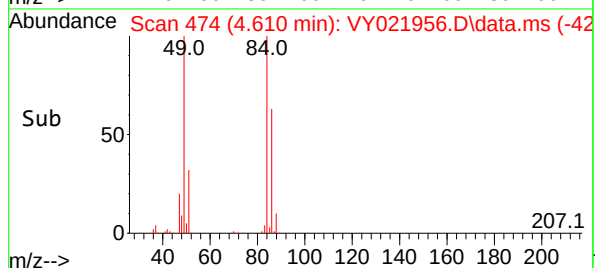
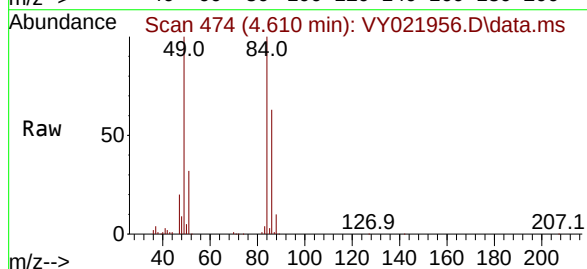
Manual Integrations
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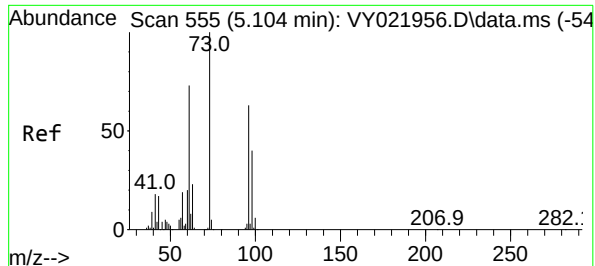
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#20
Methylene Chloride
Concen: 45.671 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

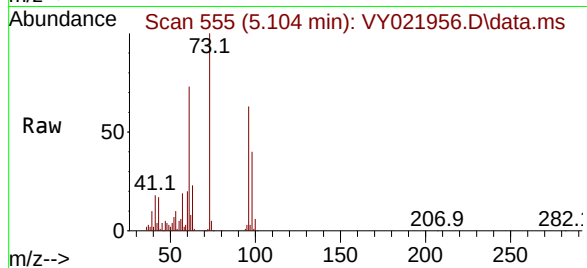
Tgt Ion: 84 Resp: 171472
Ion Ratio Lower Upper
84 100
49 99.9 79.9 119.9
51 31.7 25.4 38.0
86 63.3 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 47.796 ug/l
RT: 5.104 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

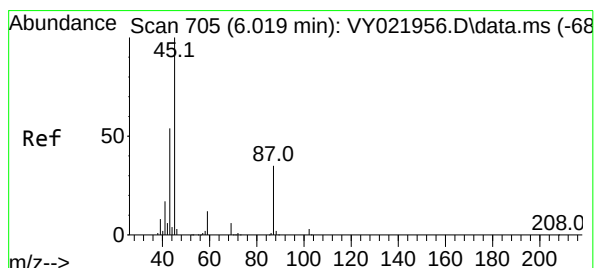
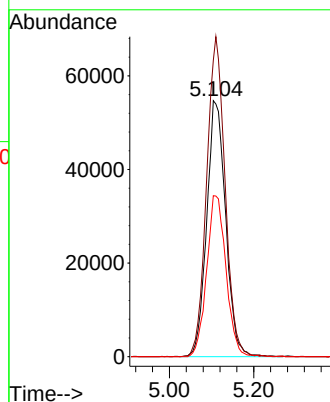
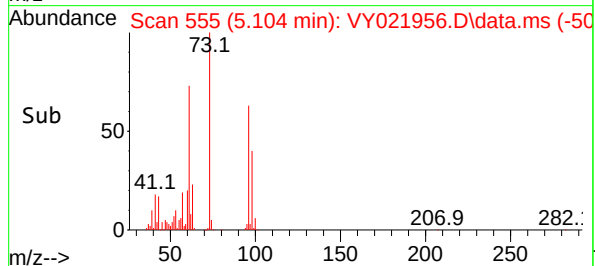
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 171054
Ion Ratio Lower Upper
96 100
61 115.7 92.6 138.8
98 62.8 50.2 75.4

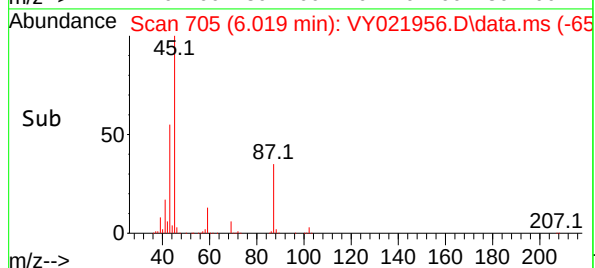
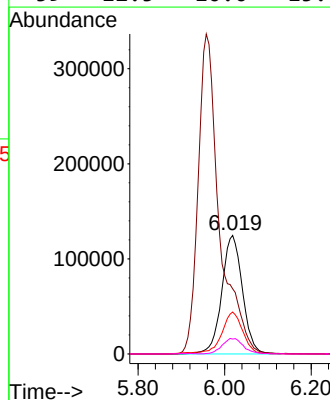
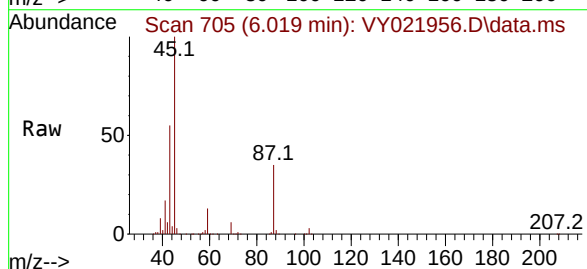
Manual Integrations
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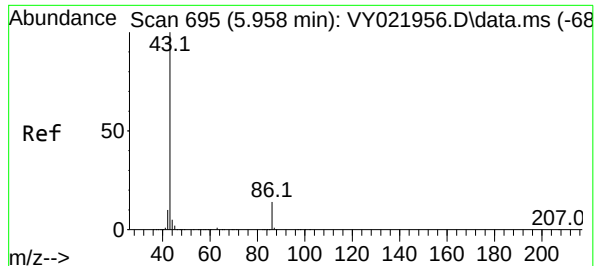
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 50.096 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 45 Resp: 414816
Ion Ratio Lower Upper
45 100
43 54.5 43.6 65.4
87 35.3 28.2 42.4
59 12.5 10.0 15.0





#23

Vinyl Acetate

Concen: 257.942 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1151100

Ion Ratio Lower Upper

43

100

86

13.9

11.1

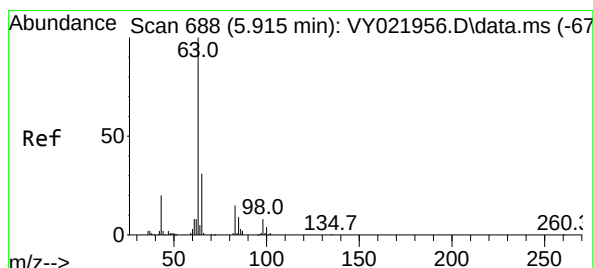
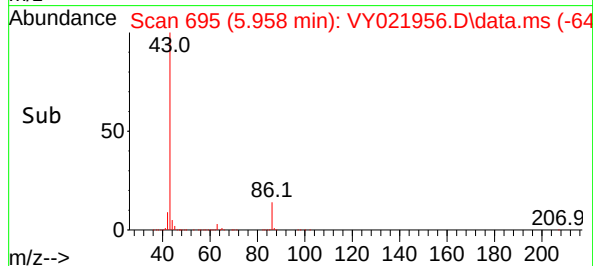
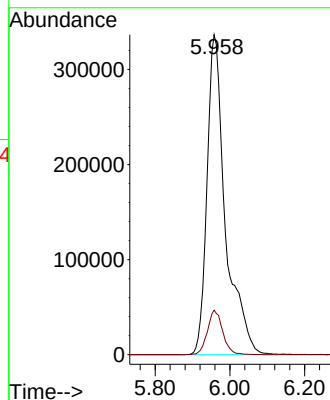
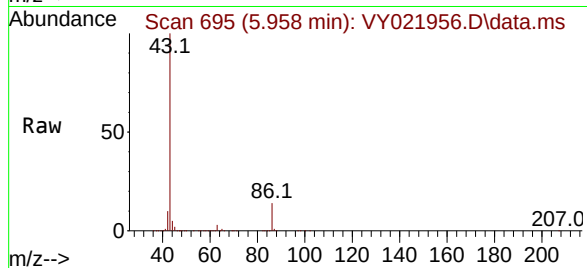
16.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 47.762 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 274136

Ion Ratio Lower Upper

63

100

98

7.9

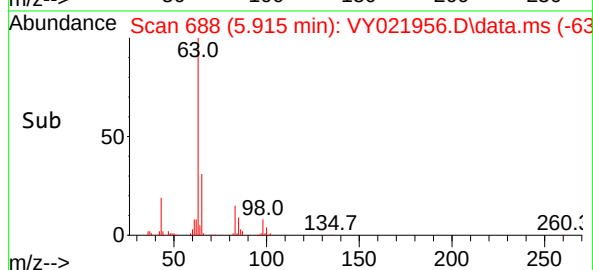
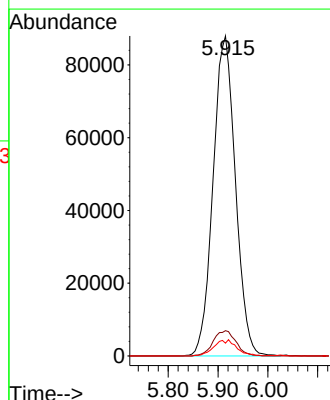
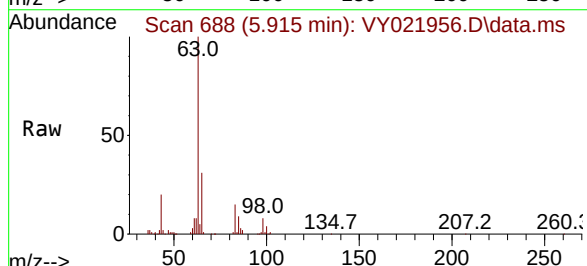
4.0

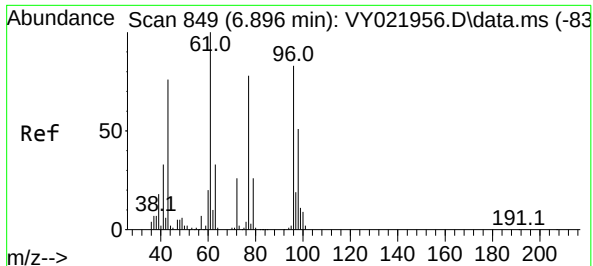
100

4.0

2.0

6.0





#25

2-Butanone

Concen: 250.772 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16972

Ion Ratio Lower Upper

43 100

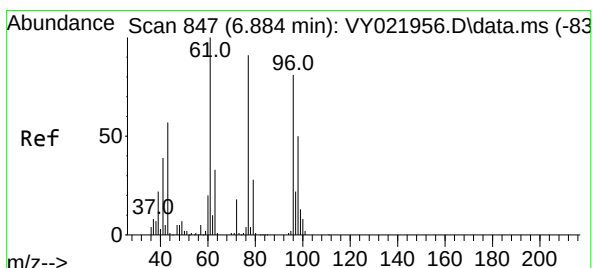
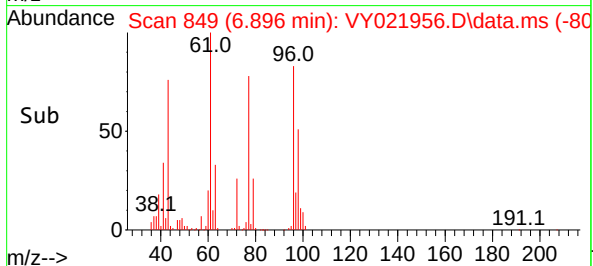
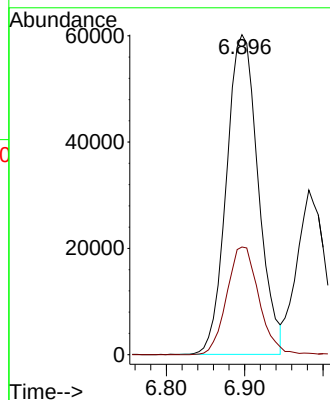
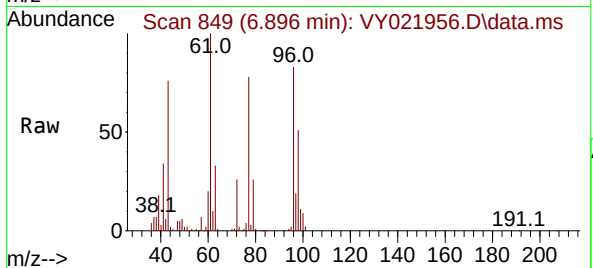
72 33.7 27.0 40.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 47.472 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021956.D

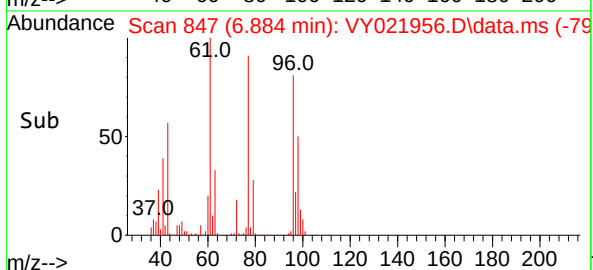
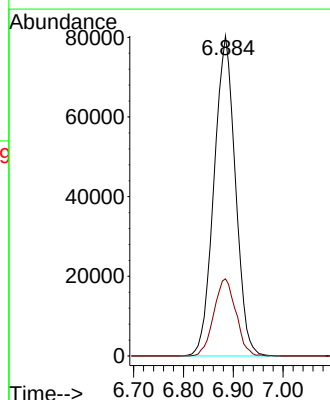
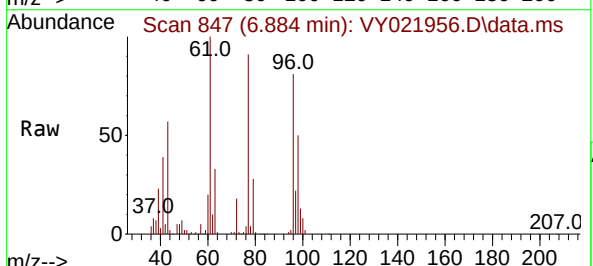
Acq: 22 Apr 2025 15:29

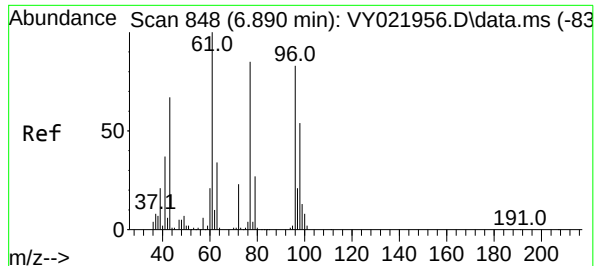
Tgt Ion: 77 Resp: 238816

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 49.157 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

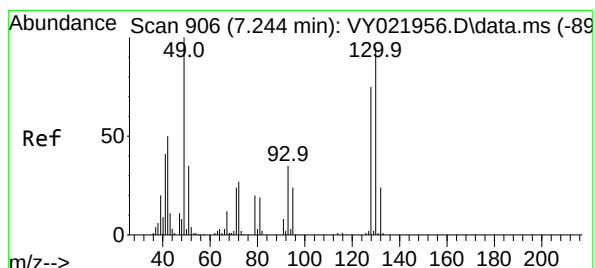
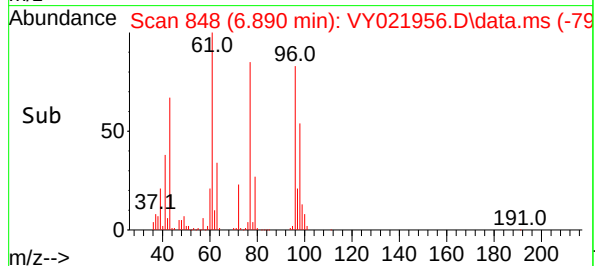
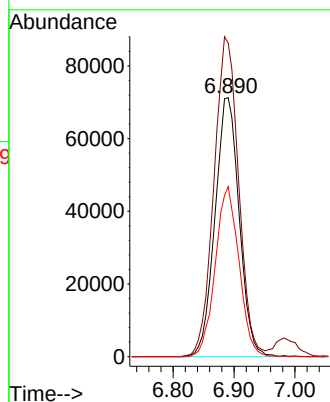
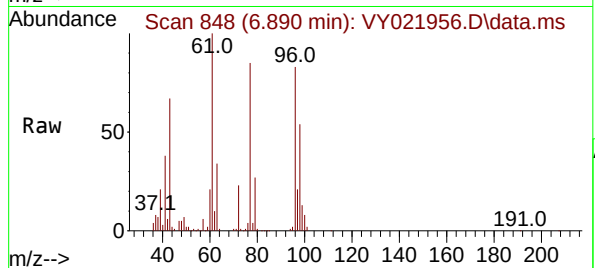
VSTDICCC050

Tgt Ion:	96	Resp:	19671
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	251.4
98	64.2	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 49.520 ug/l

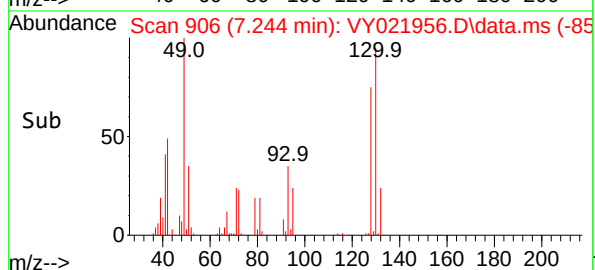
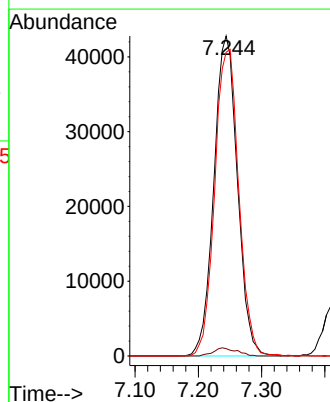
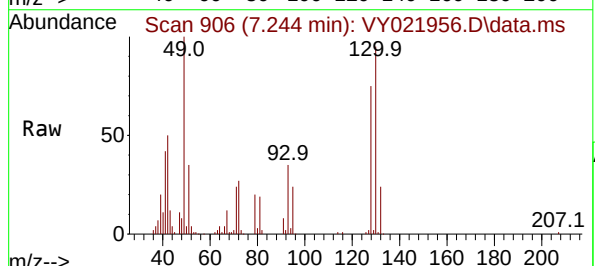
RT: 7.244 min Scan# 906

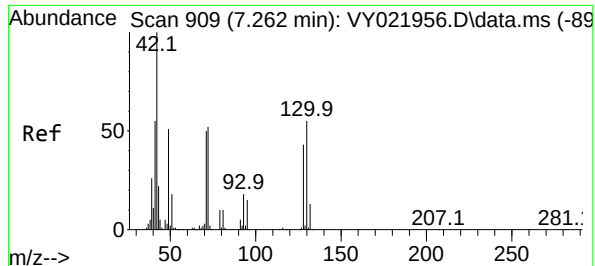
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	49	Resp:	110399
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	78.2	117.4





#29

Tetrahydrofuran

Concen: 266.870 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 11731

Ion Ratio Lower Upper

42 100

72 53.2 42.6 63.8

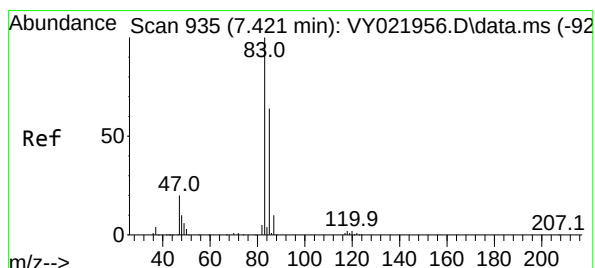
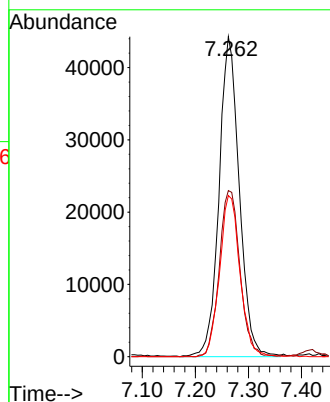
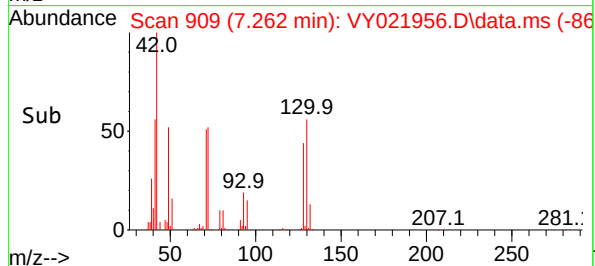
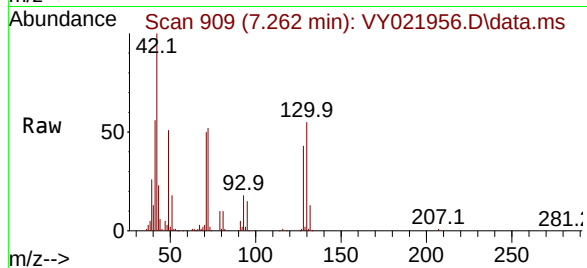
71 50.8 40.6 61.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 48.259 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021956.D

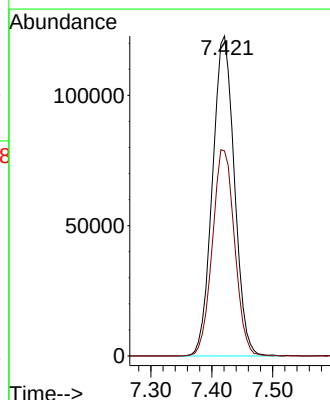
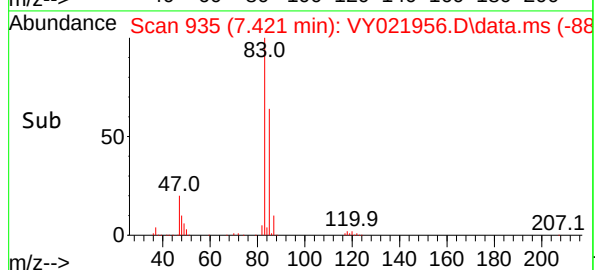
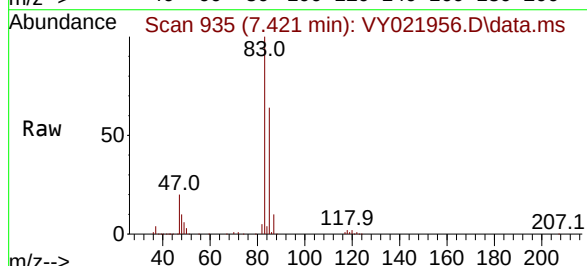
Acq: 22 Apr 2025 15:29

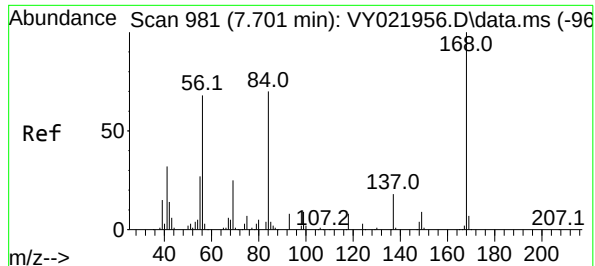
Tgt Ion: 83 Resp: 307243

Ion Ratio Lower Upper

83 100

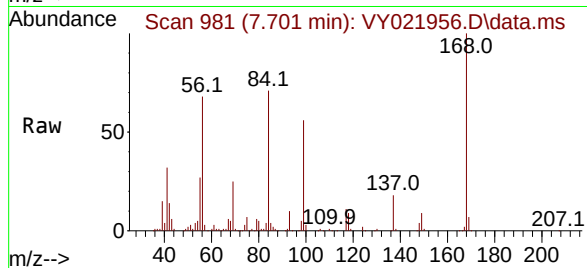
85 64.1 51.3 76.9





#31
Cyclohexane
Concen: 46.398 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

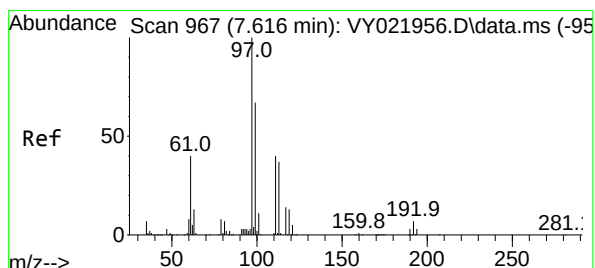
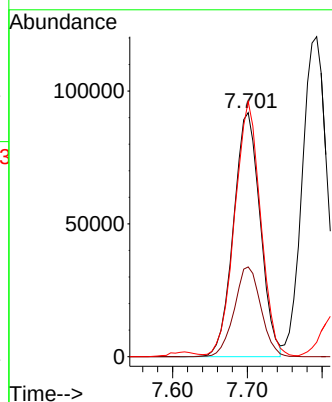
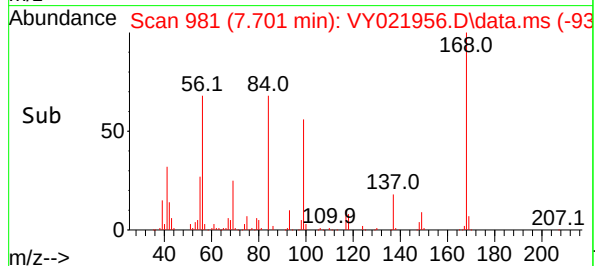
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 227735
Ion Ratio Lower Upper
56 100
69 36.8 29.4 44.2
84 102.8 82.2 123.4

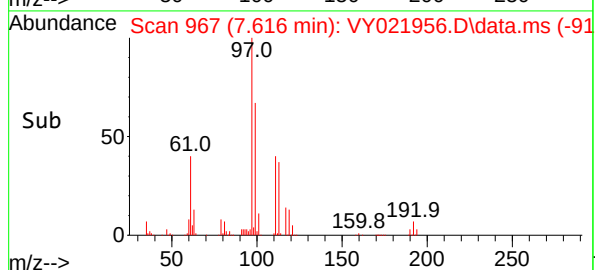
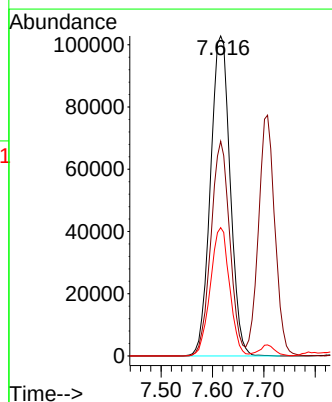
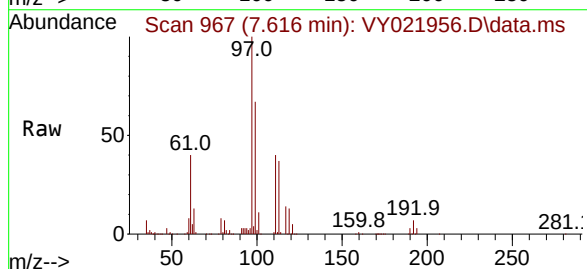
Manual Integrations
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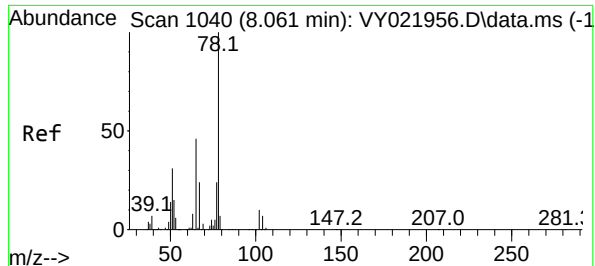
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#32
1,1,1-Trichloroethane
Concen: 47.581 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 97 Resp: 274062
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 39.3 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 50.416 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 14969

Ion Ratio Lower Upper

65 100

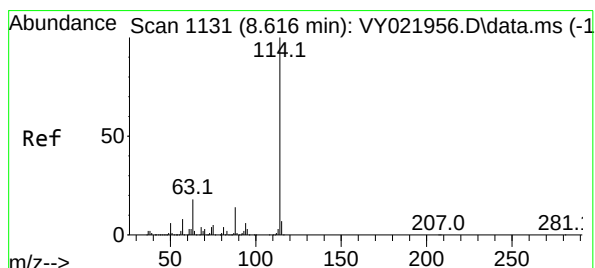
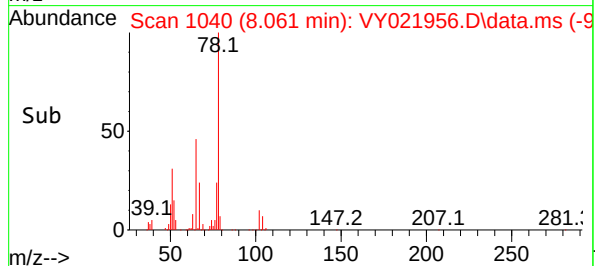
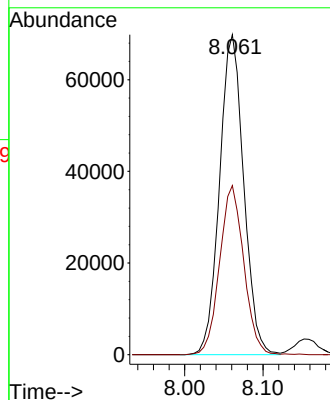
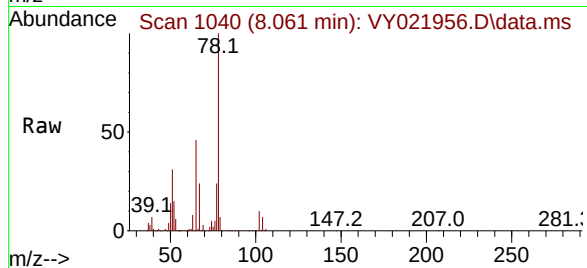
67 52.9 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

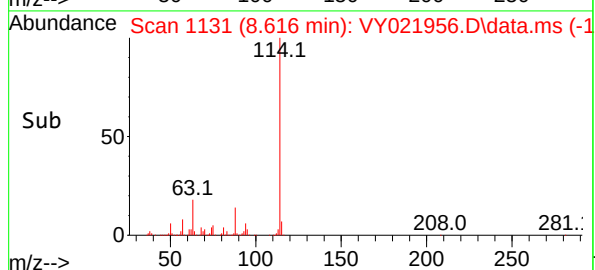
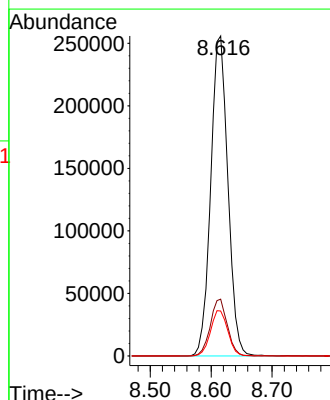
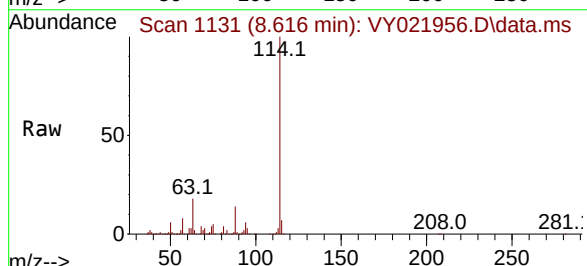
Tgt Ion:114 Resp: 499724

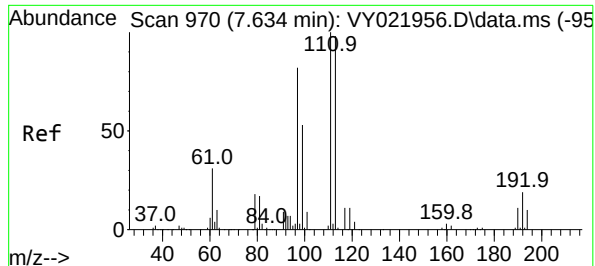
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.938 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 16486

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

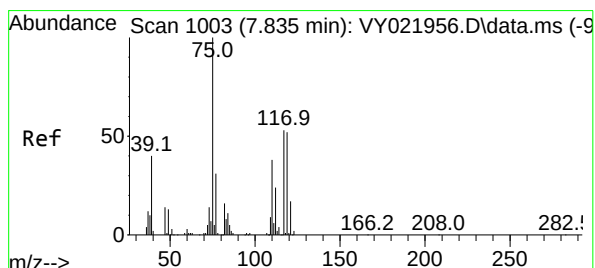
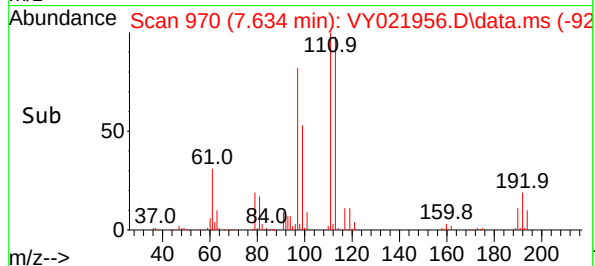
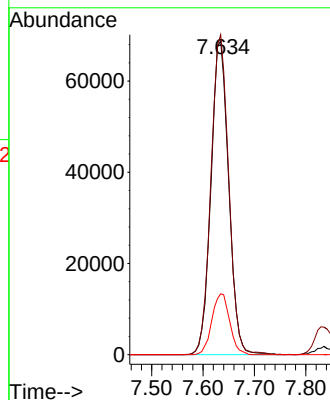
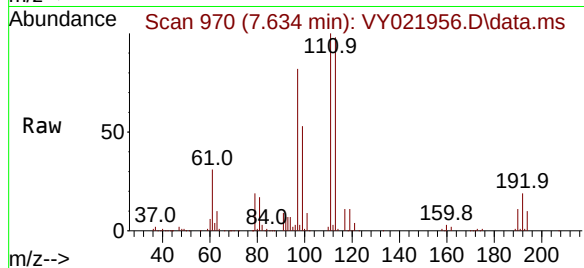
192 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 47.923 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

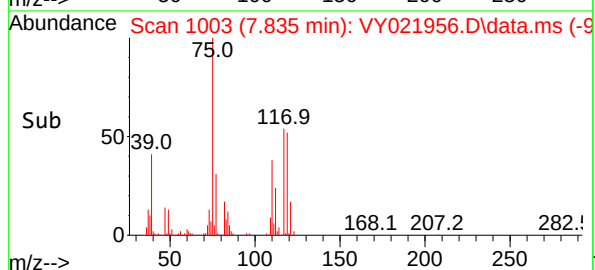
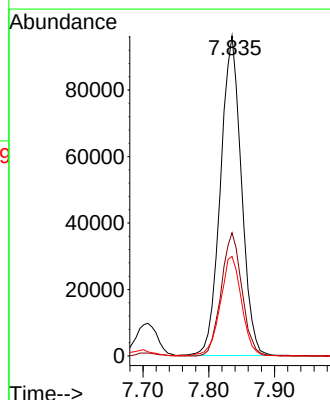
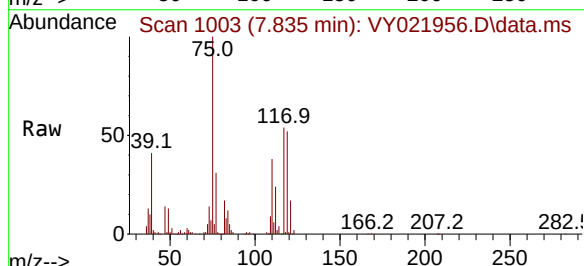
Tgt Ion: 75 Resp: 212523

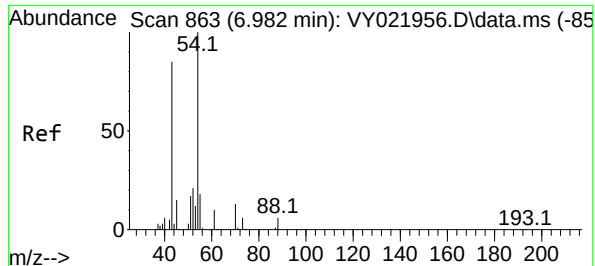
Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.3

77 31.9 25.5 38.3





#37

Ethyl Acetate

Concen: 51.312 ug/l

RT: 6.982 min Scan# 8062

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

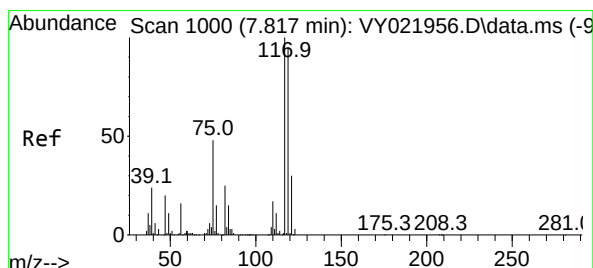
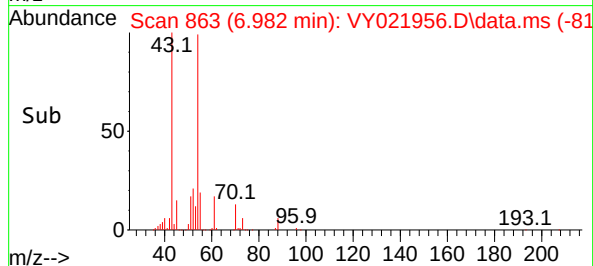
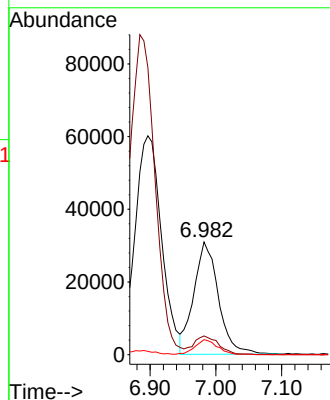
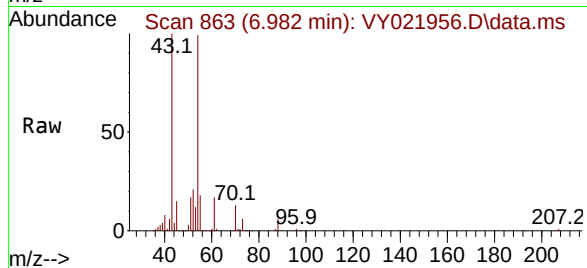
VSTDICCC050

Tgt Ion:	43	Resp:	8062
Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.8	20.6
70	11.5	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 47.838 ug/l

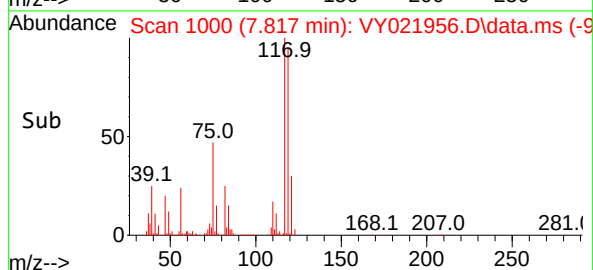
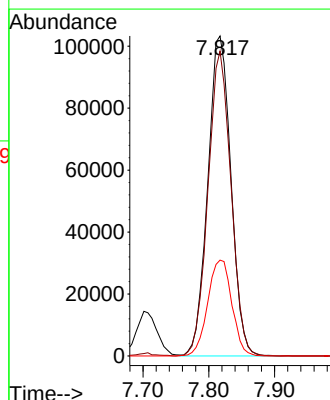
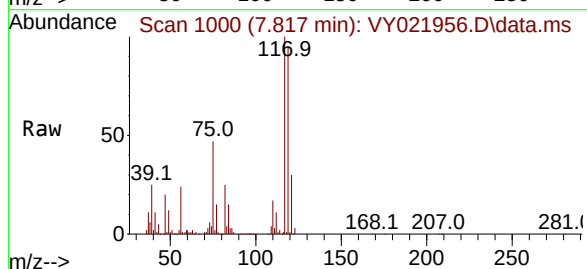
RT: 7.817 min Scan# 1000

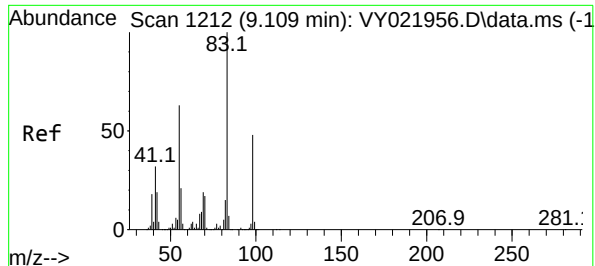
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	117	Resp:	253502
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.0	24.0	36.0





#39

Methylcyclohexane

Concen: 49.170 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 274408

Ion Ratio Lower Upper

83 100

55 63.2 50.6 75.8

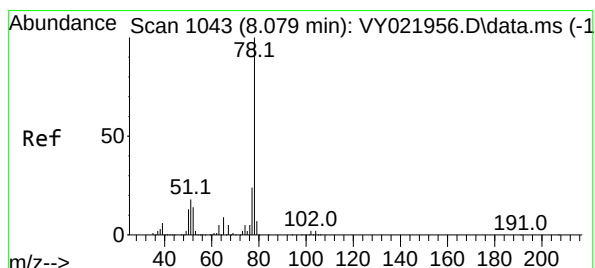
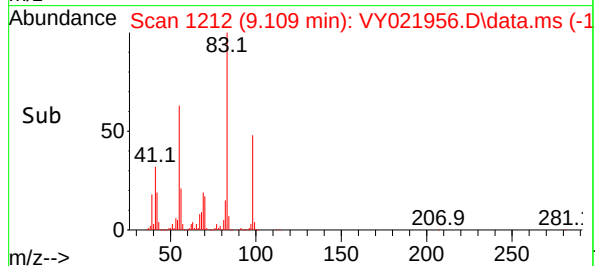
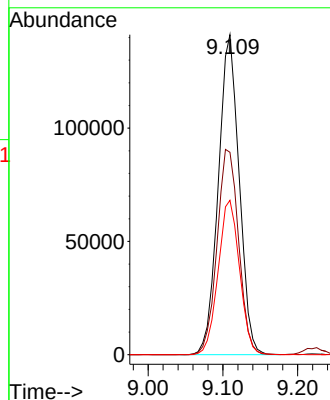
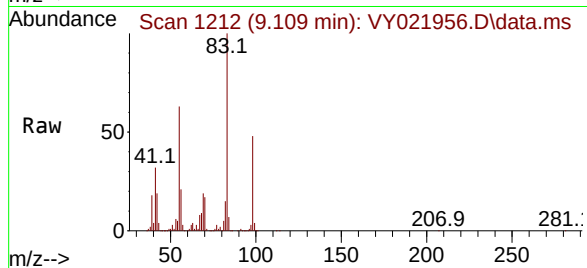
98 48.3 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 48.179 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021956.D

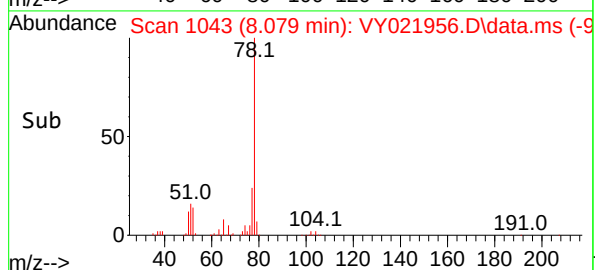
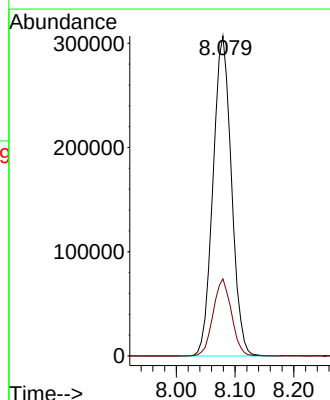
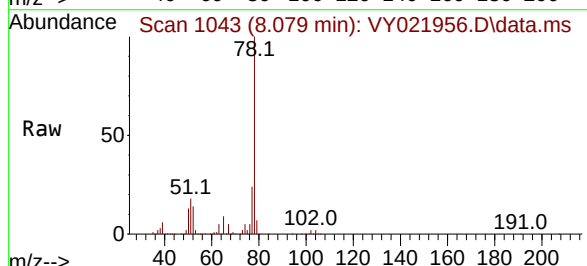
Acq: 22 Apr 2025 15:29

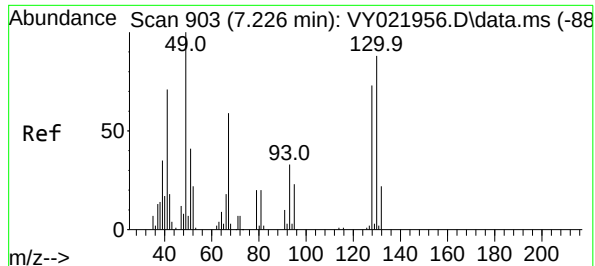
Tgt Ion: 78 Resp: 667899

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9





#41

Methacrylonitrile

Concen: 52.696 ug/l

RT: 7.226 min Scan# 903

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 45898

Ion Ratio Lower Upper

41 100

39 45.8 36.6 55.0

67 90.3 72.2 108.4

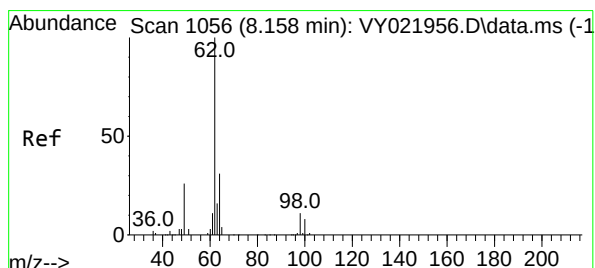
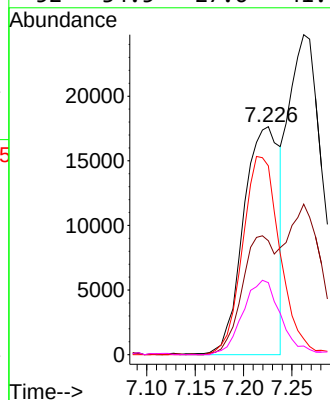
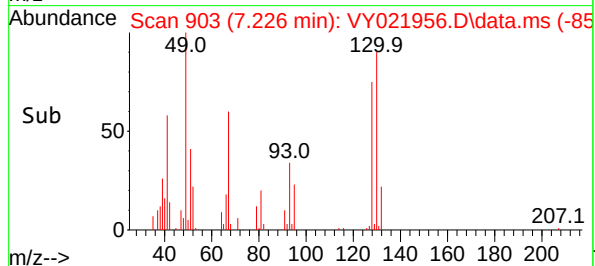
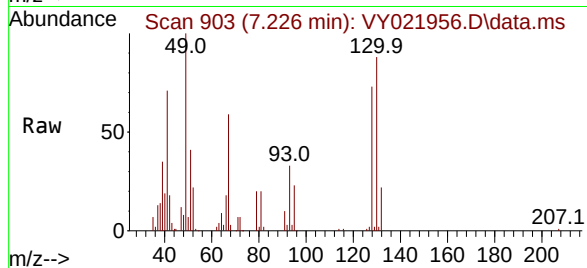
52 34.5 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#42

1,2-Dichloroethane

Concen: 48.835 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021956.D

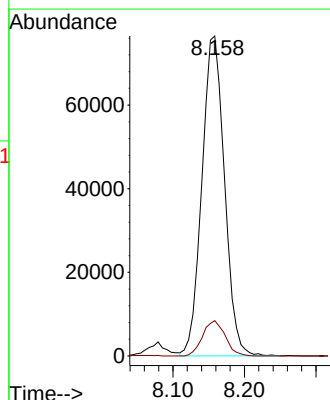
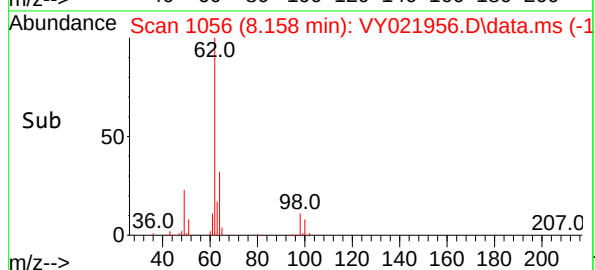
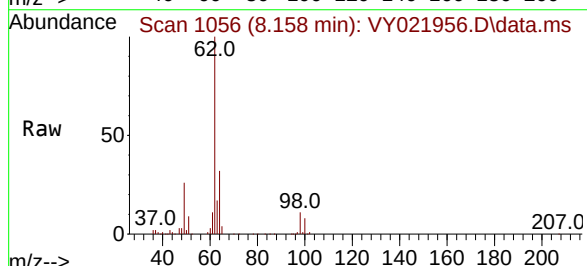
Acq: 22 Apr 2025 15:29

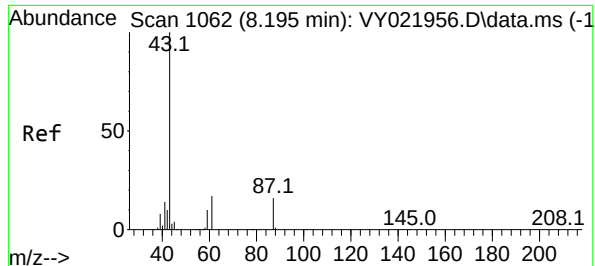
Tgt Ion: 62 Resp: 167612

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 50.948 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

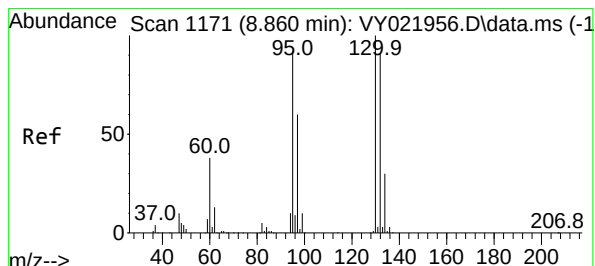
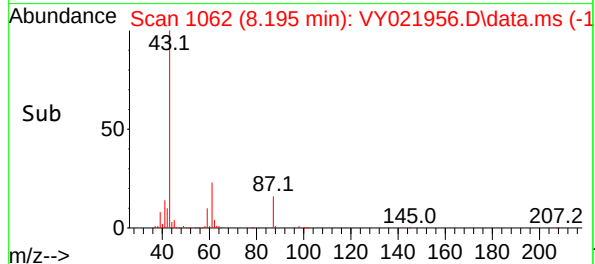
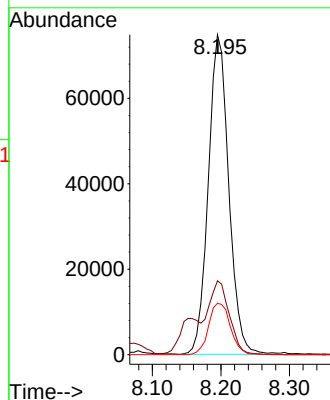
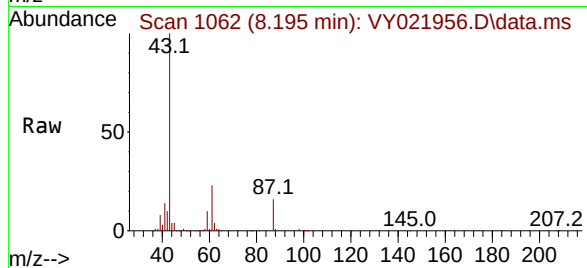
VSTDICCC050

Tgt Ion:	43	Resp:	15583
Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.9	28.3
87	17.1	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 47.744 ug/l

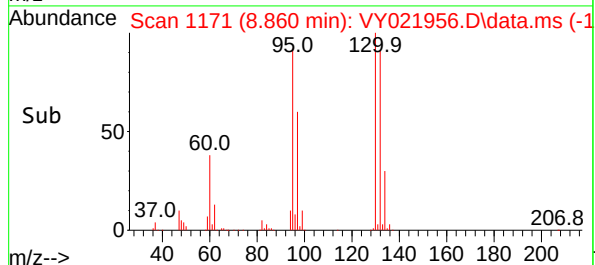
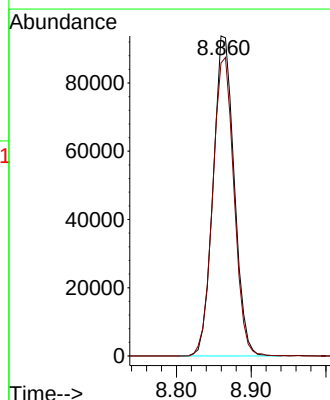
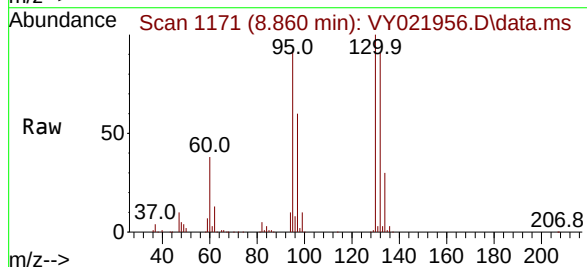
RT: 8.860 min Scan# 1171

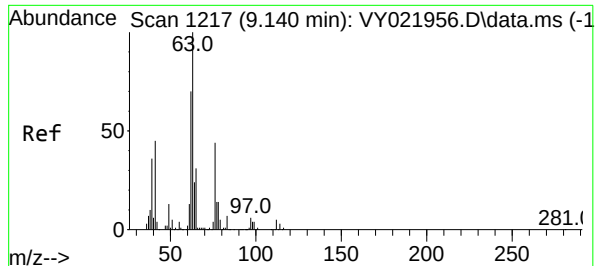
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	130	Resp:	183327
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	183.2





#45

1,2-Dichloropropane

Concen: 48.827 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 14968

Ion Ratio Lower Upper

63 100

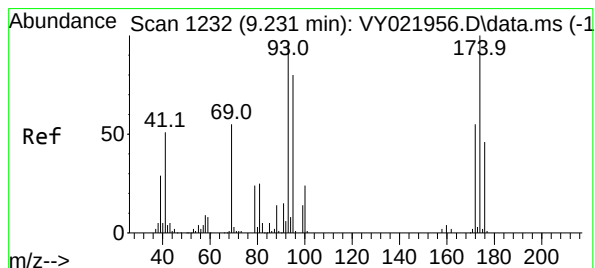
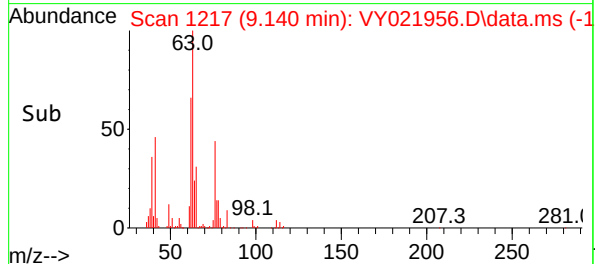
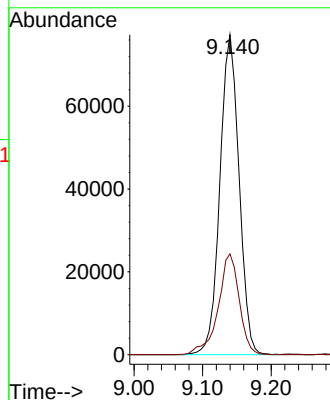
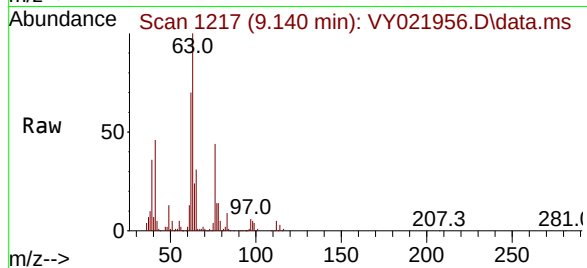
65 31.5 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 48.740 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

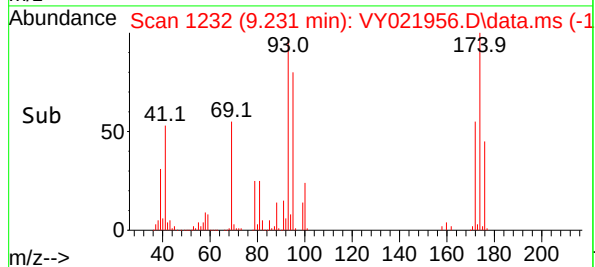
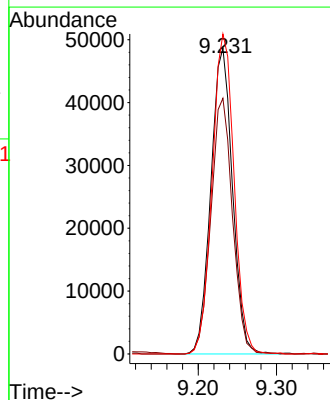
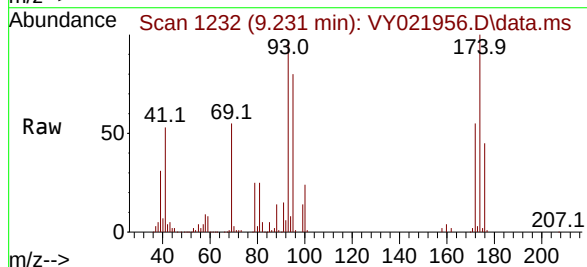
Tgt Ion: 93 Resp: 93536

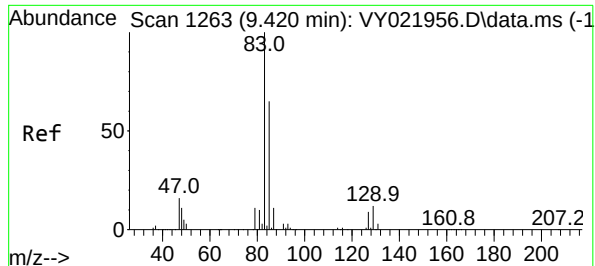
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 105.8 84.6 127.0





#47

Bromodichloromethane

Concen: 49.010 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

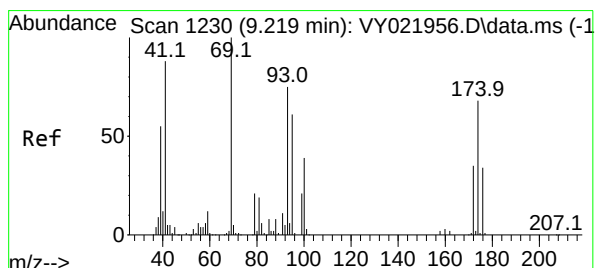
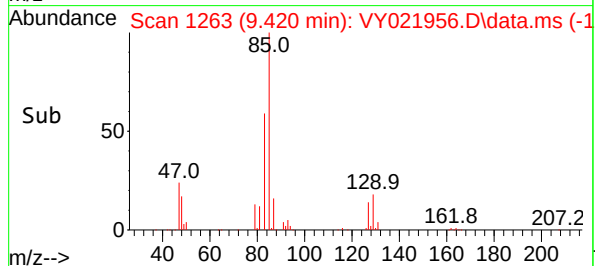
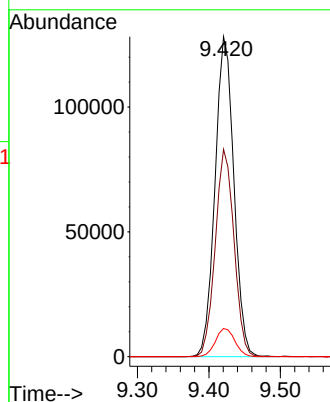
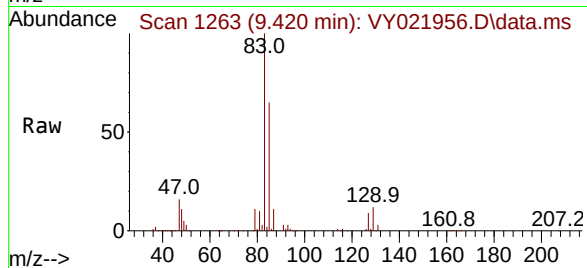
VSTDICCC050

Tgt Ion:	83	Resp:	23496
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.8	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 53.082 ug/l

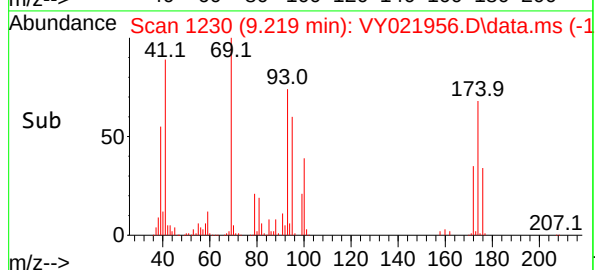
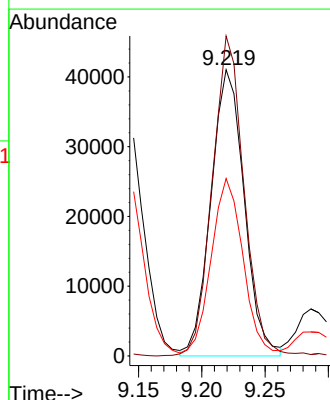
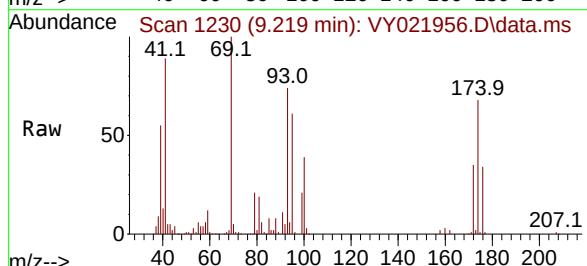
RT: 9.219 min Scan# 1230

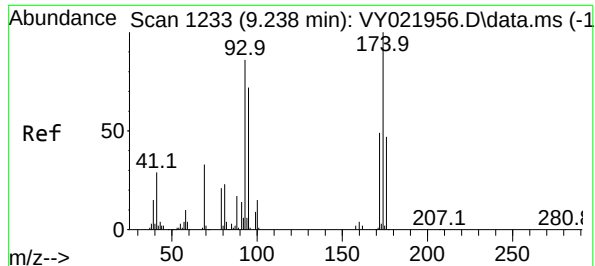
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	41	Resp:	75057
Ion	Ratio	Lower	Upper
41	100		
69	106.9	85.5	128.3
39	57.8	46.2	69.4





#49

1,4-Dioxane

Concen: 992.601 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

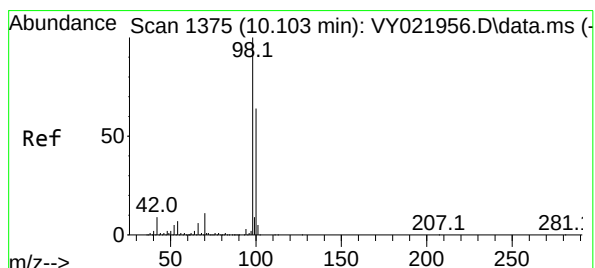
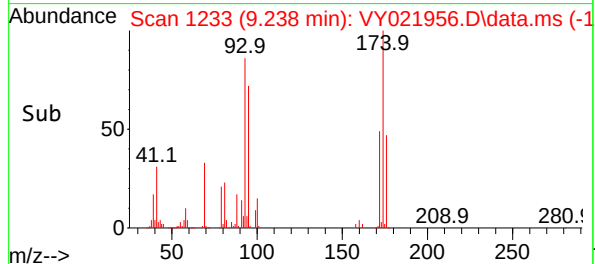
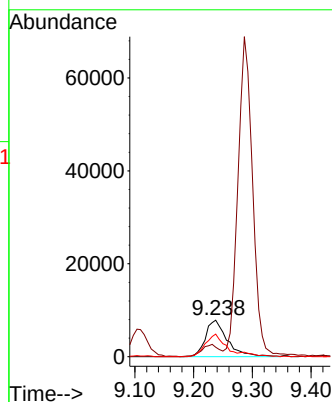
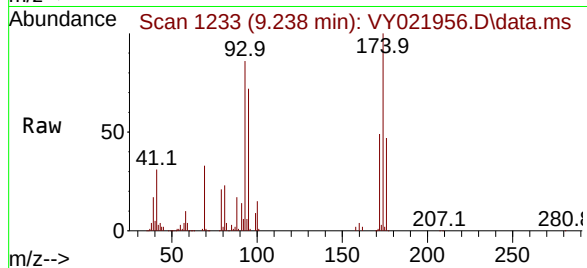
VSTDICCC050

Tgt Ion:	88	Resp:	2030
Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	63.1	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt	04/23/2025
Supervised By :Mahesh Dadoda	04/23/2025



#50

Toluene-d8

Concen: 51.241 ug/l

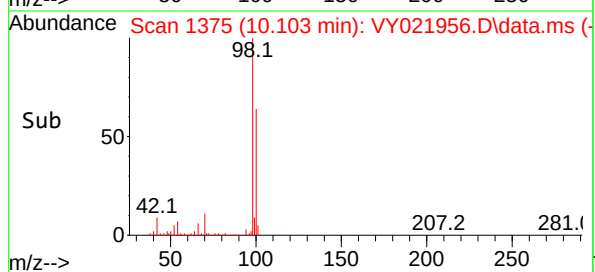
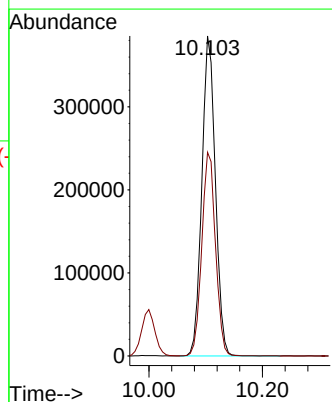
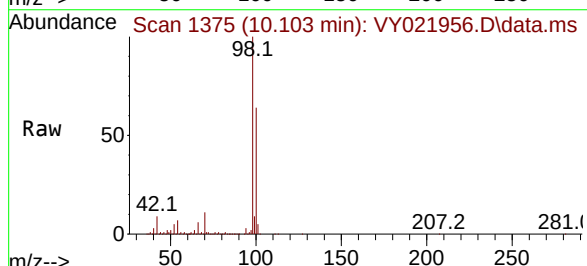
RT: 10.103 min Scan# 1375

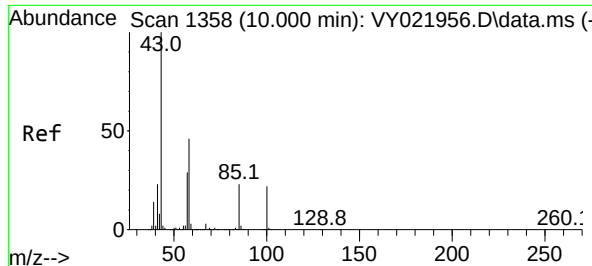
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

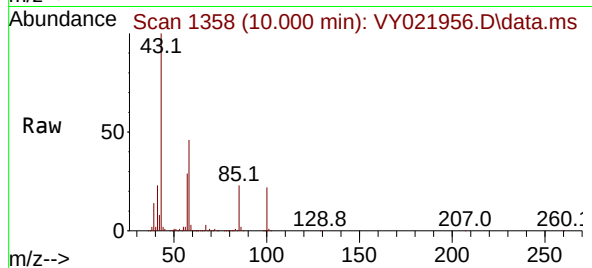
Tgt Ion:	98	Resp:	637767
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 267.326 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

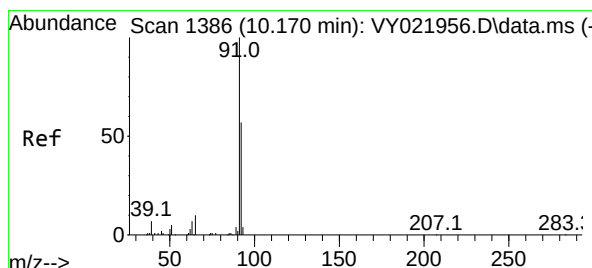
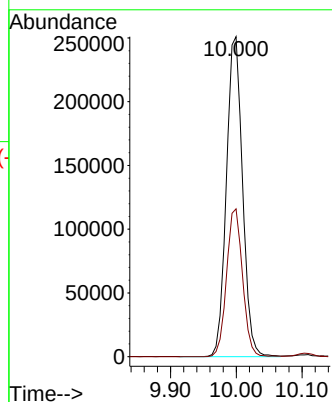
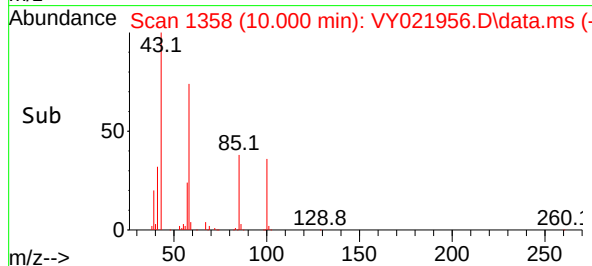
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 428635
Ion Ratio Lower Upper
43 100
58 45.8 36.6 55.0

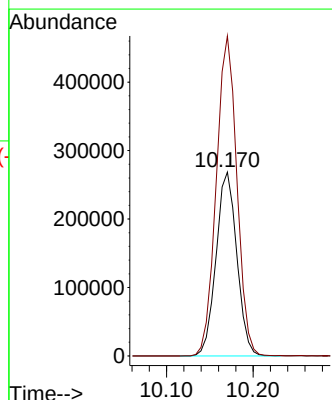
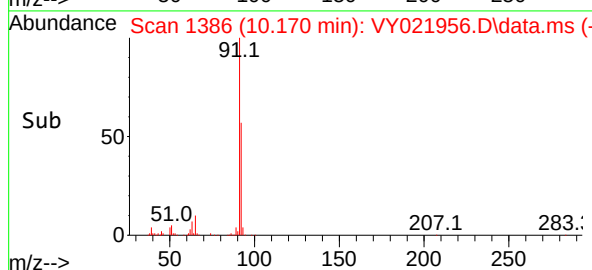
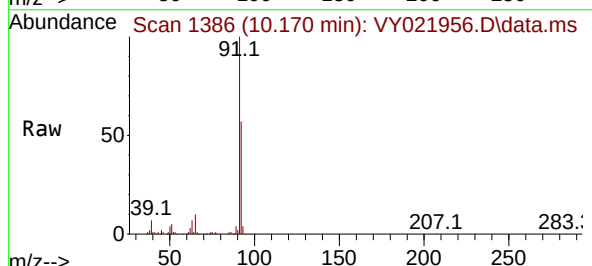
Manual Integrations
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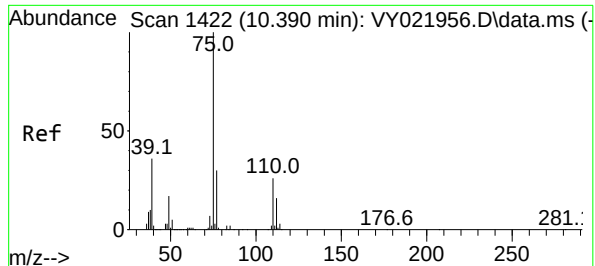
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 49.760 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 92 Resp: 446525
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





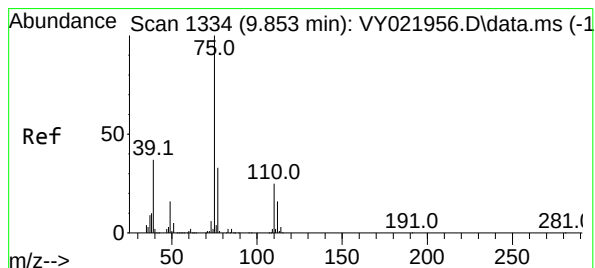
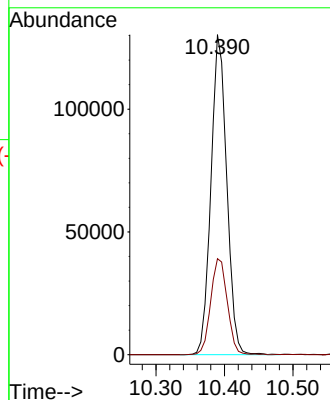
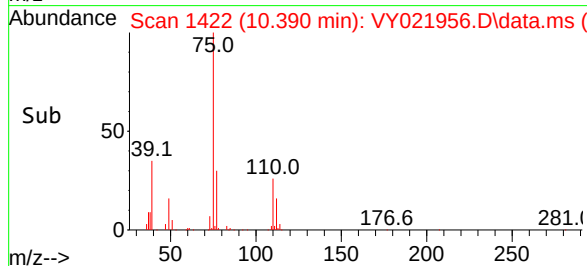
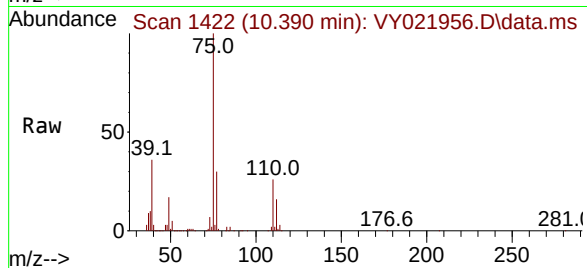
#53
t-1,3-Dichloropropene
Concen: 50.698 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 208479
Ion Ratio Lower Upper
75 100
77 30.0 24.0 36.0

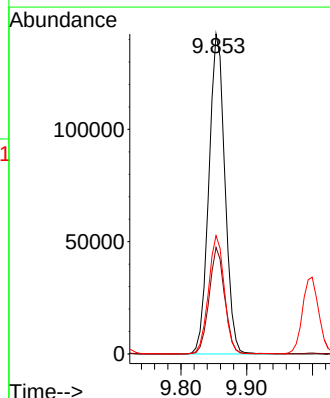
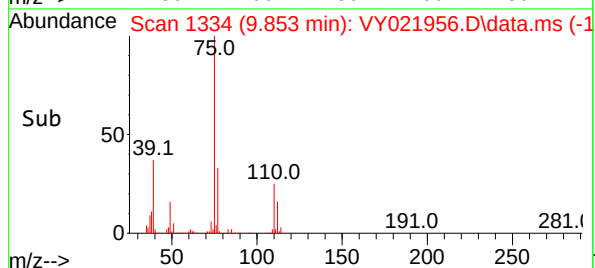
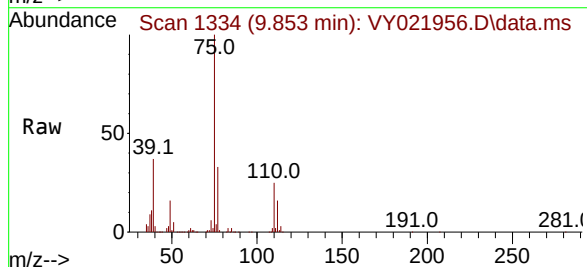
Manual Integrations
APPROVED

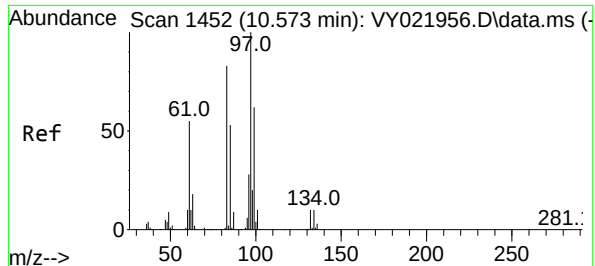
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 49.432 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 241637
Ion Ratio Lower Upper
75 100
77 33.3 26.6 40.0
39 37.0 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 49.965 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 12808

Ion Ratio Lower Upper

97 100

83 83.4 66.7 100.1

85 53.3 42.6 64.0

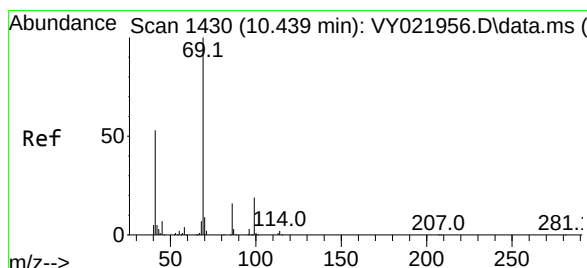
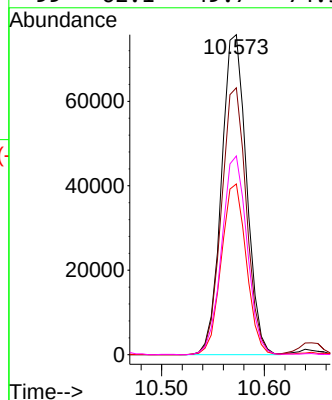
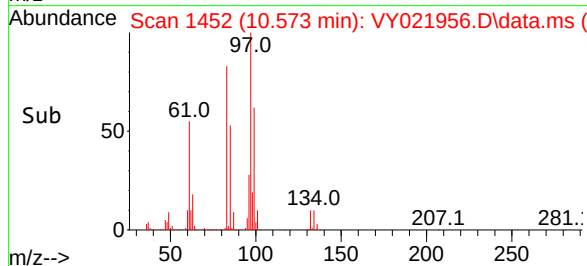
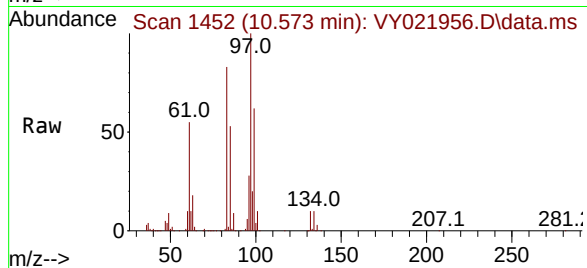
99 62.1 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#56

Ethyl methacrylate

Concen: 53.893 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

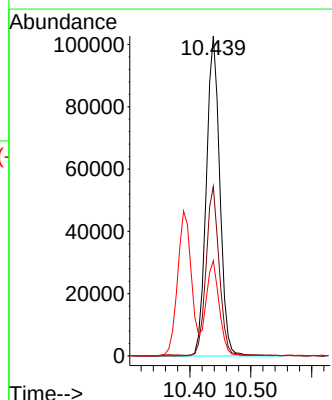
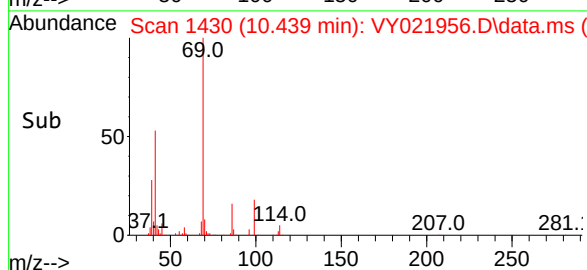
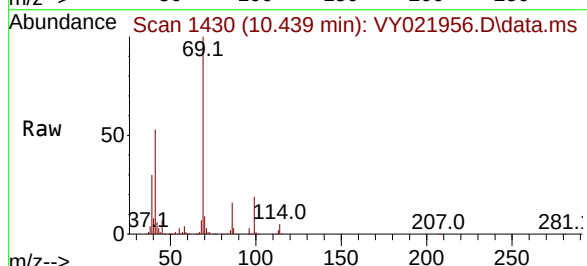
Tgt Ion: 69 Resp: 157986

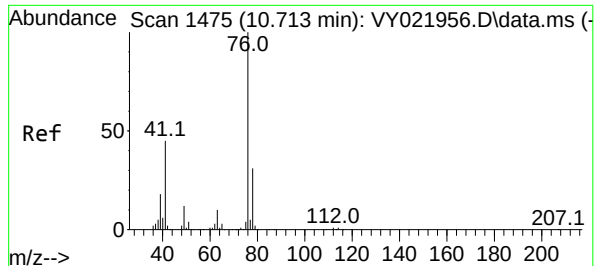
Ion Ratio Lower Upper

69 100

41 50.9 40.7 61.1

39 29.1 23.3 34.9





#57

1,3-Dichloropropane

Concen: 49.688 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 204190

Ion Ratio Lower Upper

76 100

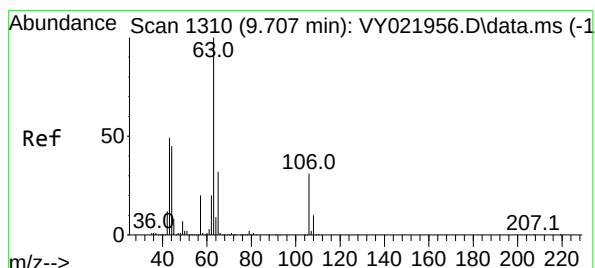
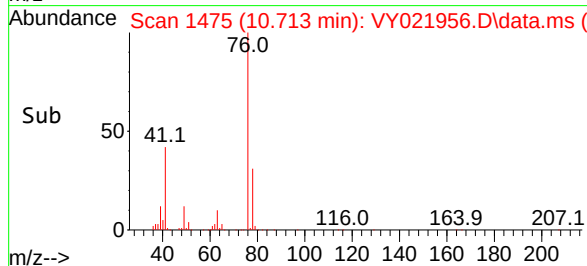
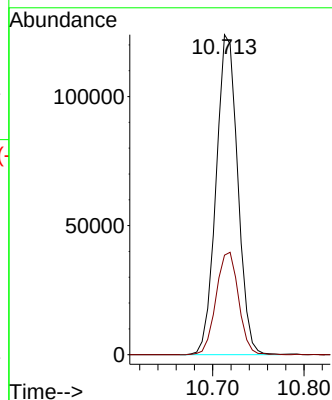
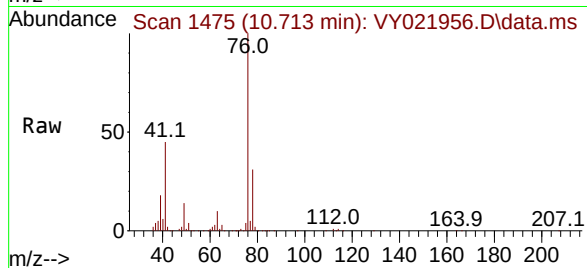
78 33.2 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#58

2-Chloroethyl Vinyl ether

Concen: 279.797 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY021956.D

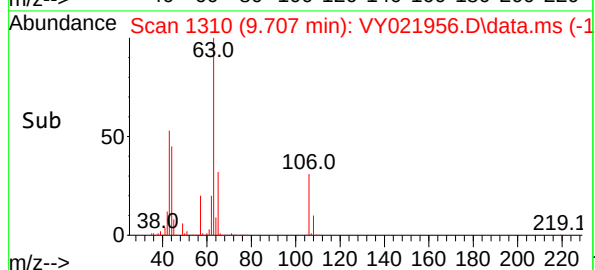
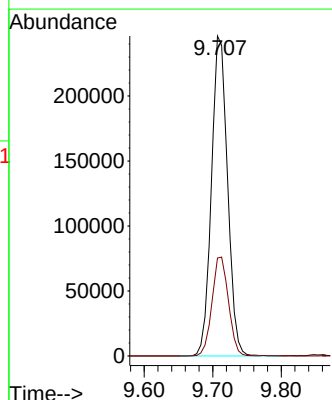
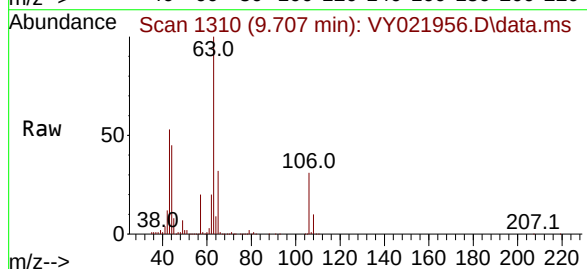
Acq: 22 Apr 2025 15:29

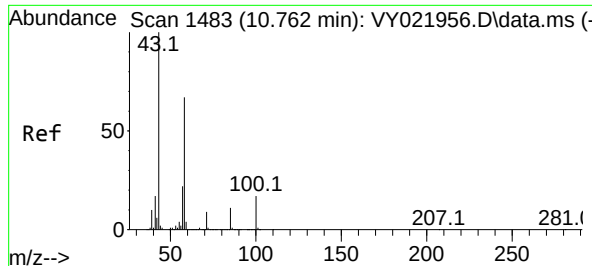
Tgt Ion: 63 Resp: 401030

Ion Ratio Lower Upper

63 100

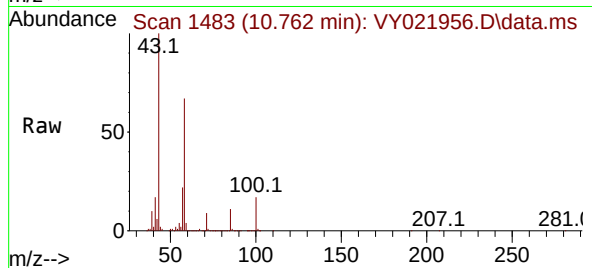
106 31.6 25.3 37.9





#59
2-Hexanone
Concen: 271.141 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

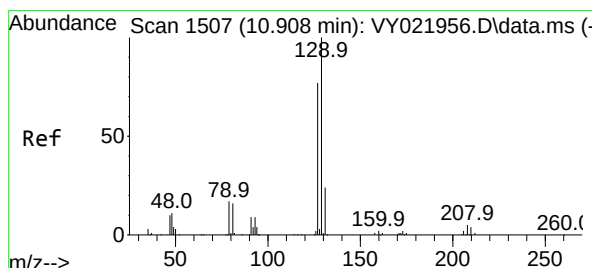
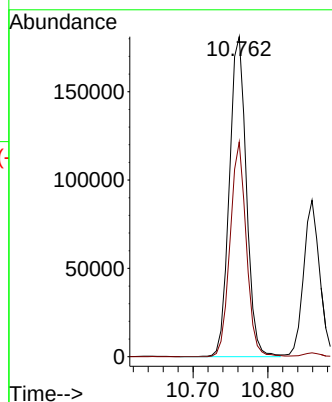
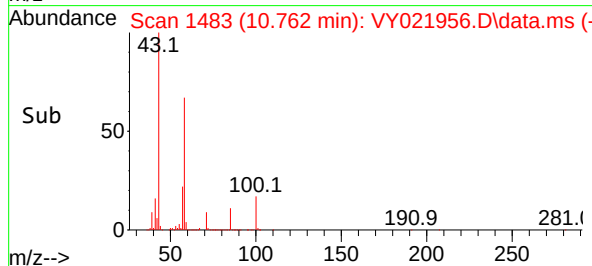
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



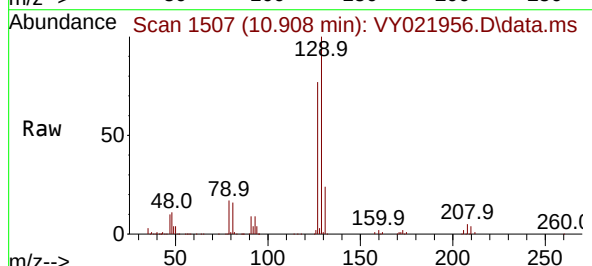
Tgt Ion: 43 Resp: 28675
Ion Ratio Lower Upper
43 100
58 64.0 32.0 96.0

Manual Integrations
APPROVED

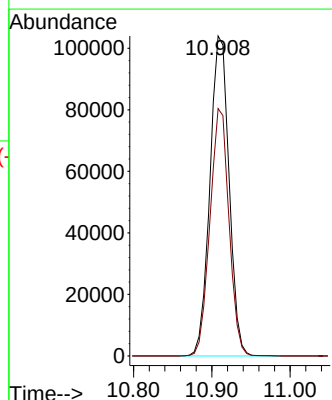
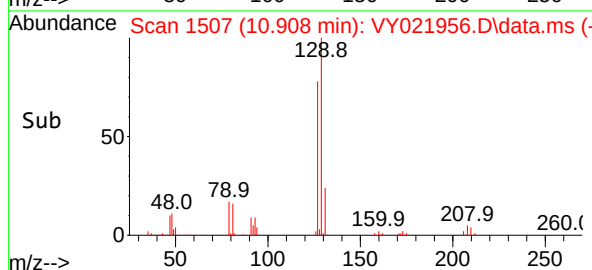
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

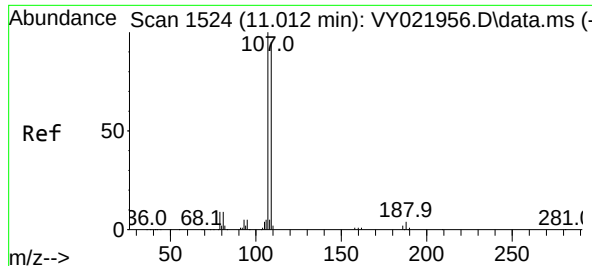


#60
Dibromochloromethane
Concen: 49.624 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29



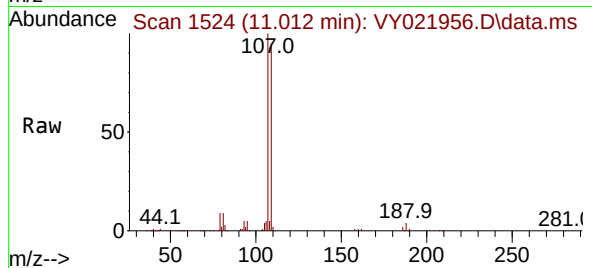
Tgt Ion:129 Resp: 176120
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61
1,2-Dibromoethane
Concen: 49.835 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

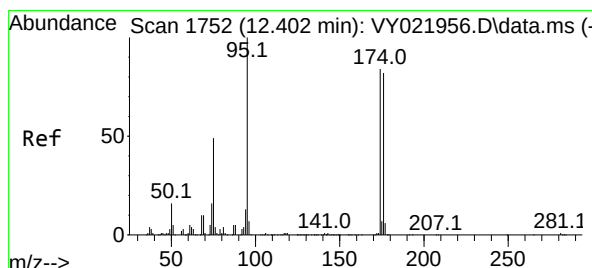
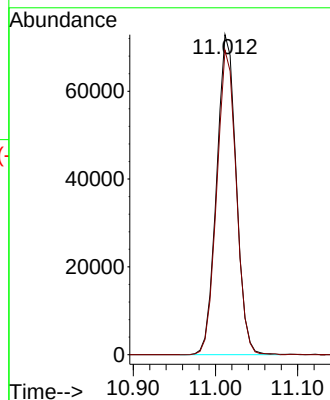
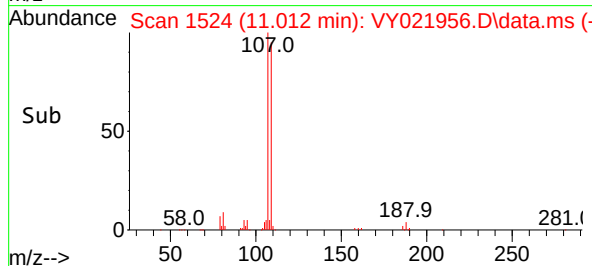
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 120604
Ion Ratio Lower Upper
107 100
109 94.8 75.8 113.8

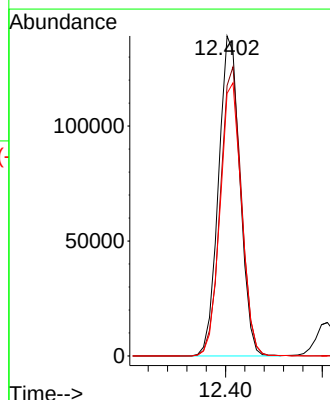
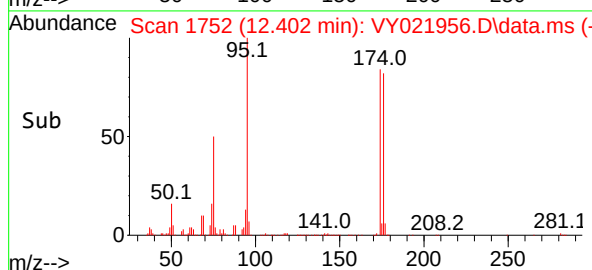
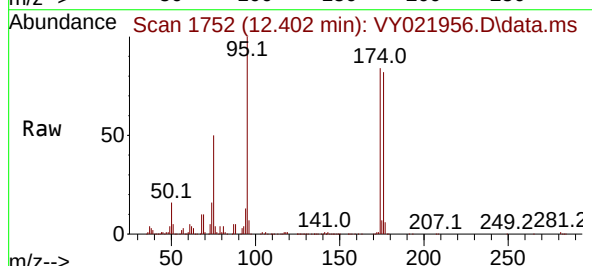
Manual Integrations
APPROVED

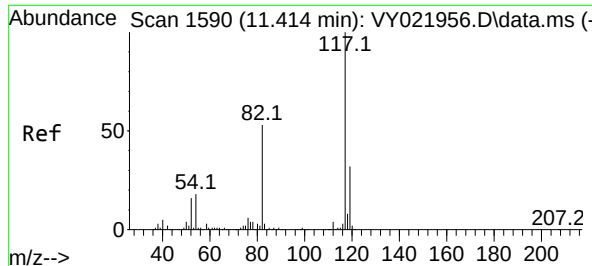
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 50.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

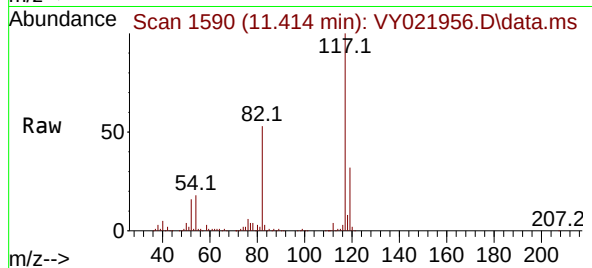
Tgt Ion: 95 Resp: 212936
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.0
176 85.9 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

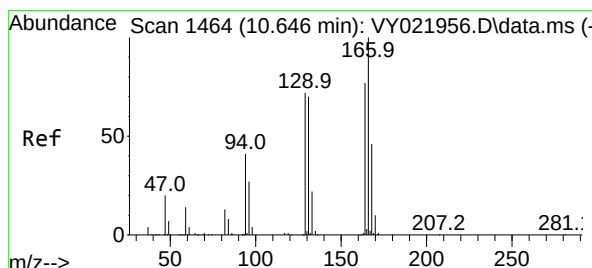
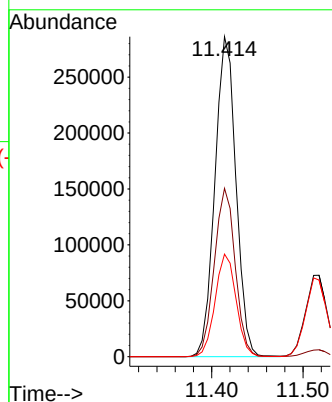
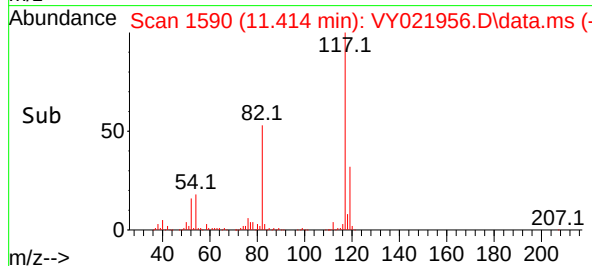
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 458508
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.1 25.7 38.5

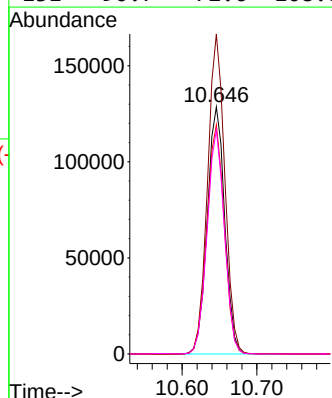
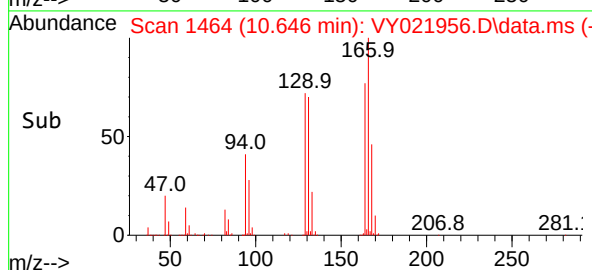
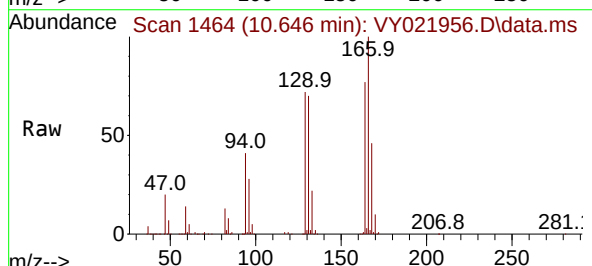
Manual Integrations
APPROVED

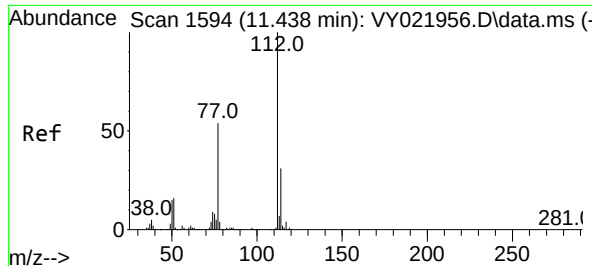
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 48.263 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

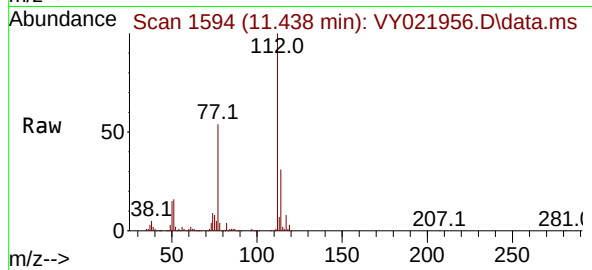
Tgt Ion:164 Resp: 208756
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 92.8 74.2 111.4
131 90.7 72.6 108.8





#65
Chlorobenzene
Concen: 48.437 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

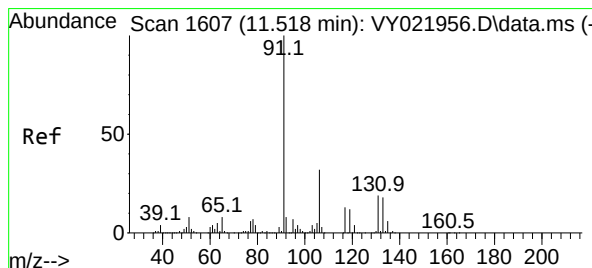
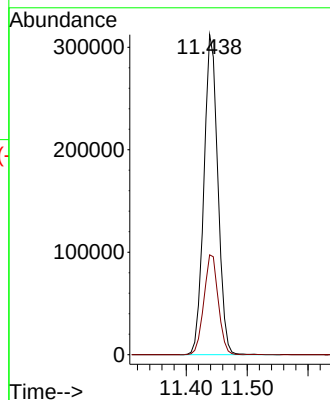
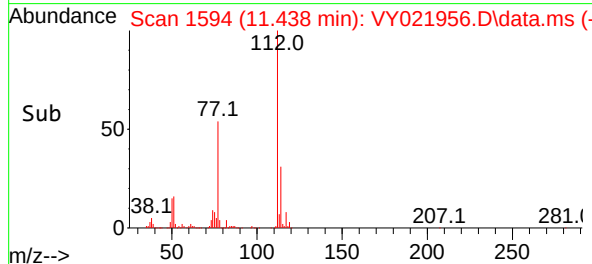
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 49664
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

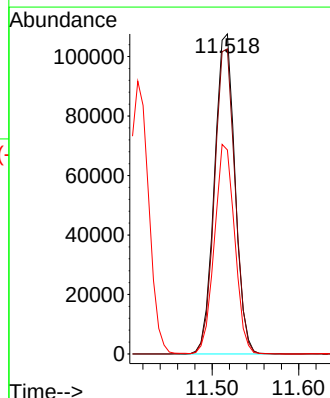
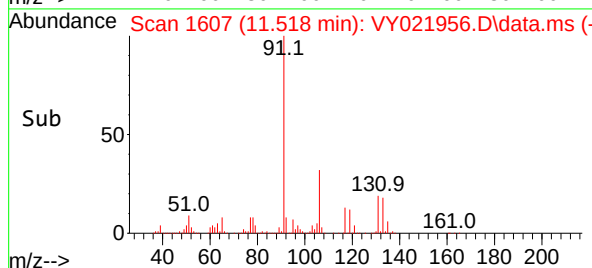
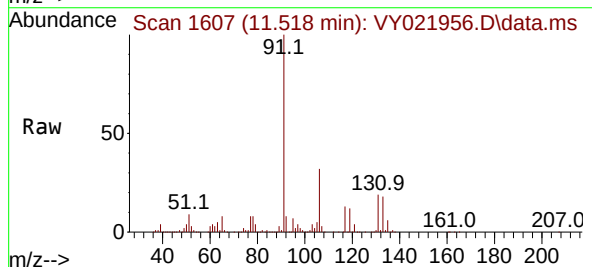
Manual Integrations
APPROVED

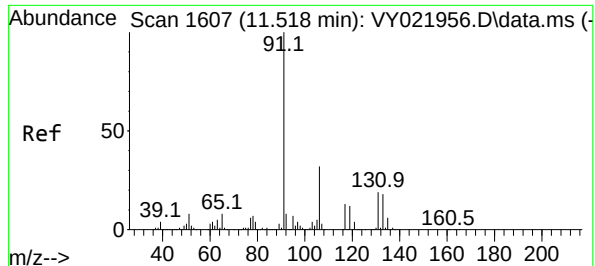
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.075 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:131 Resp: 177151
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 50.163 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 841384

Ion Ratio Lower Upper

91 100

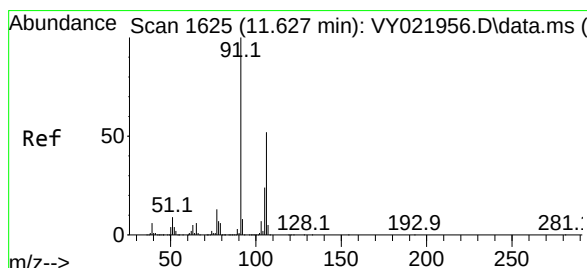
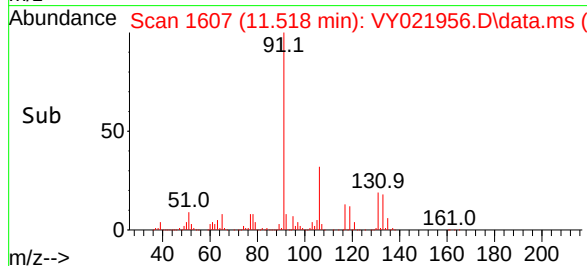
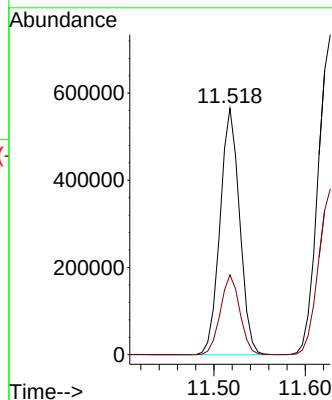
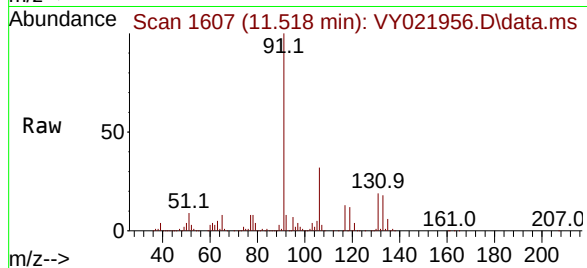
106 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#68

m/p-Xylenes

Concen: 100.858 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021956.D

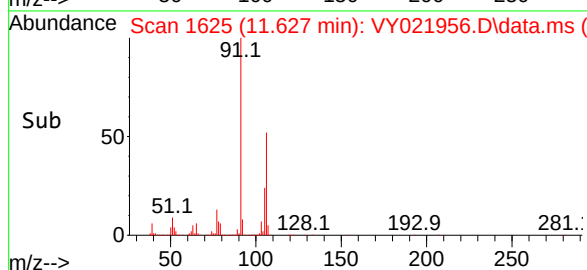
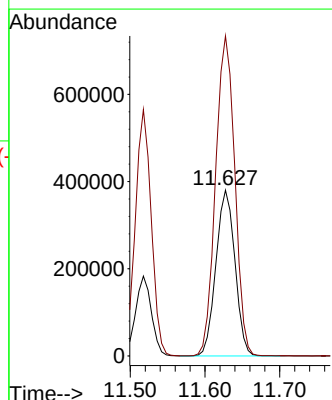
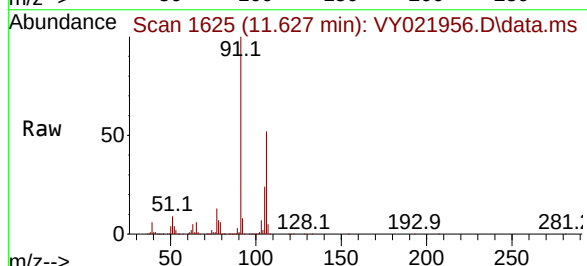
Acq: 22 Apr 2025 15:29

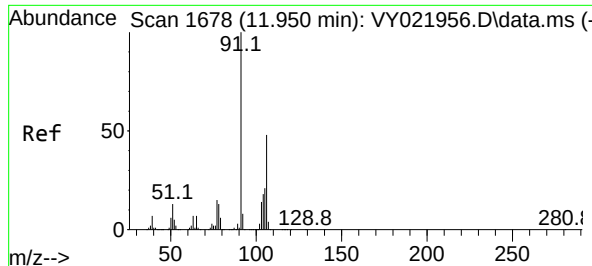
Tgt Ion:106 Resp: 673159

Ion Ratio Lower Upper

106 100

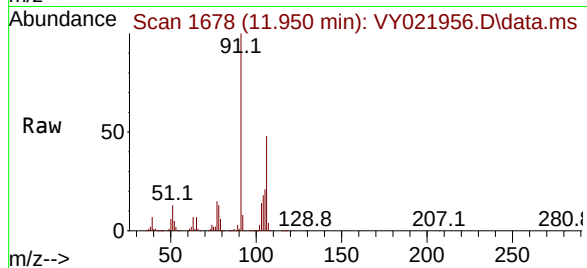
91 195.2 156.2 234.2





#69
o-Xylene
Concen: 51.325 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

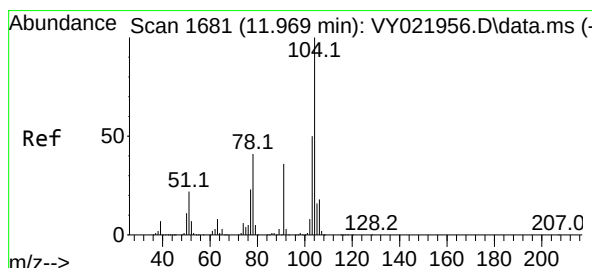
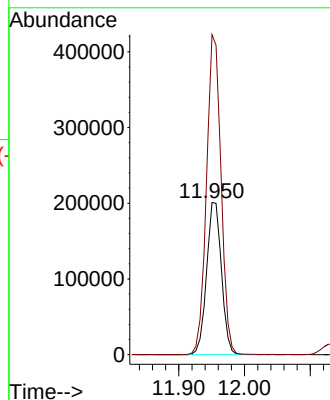
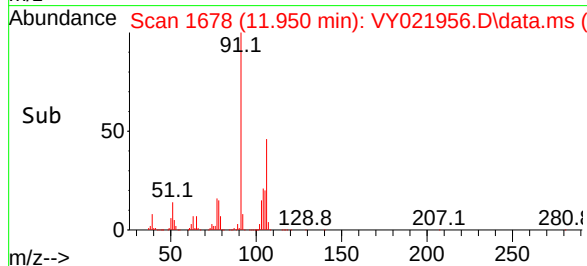
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:106 Resp: 31573
Ion Ratio Lower Upper
106 100
91 205.9 103.0 308.9

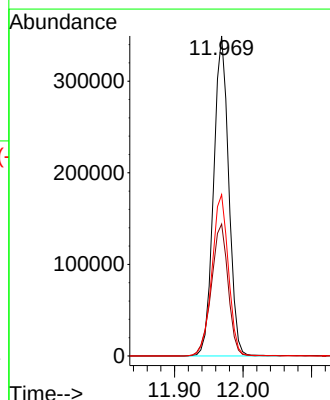
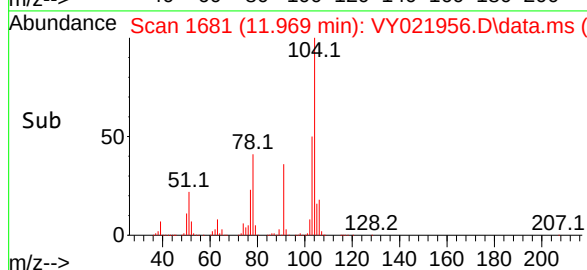
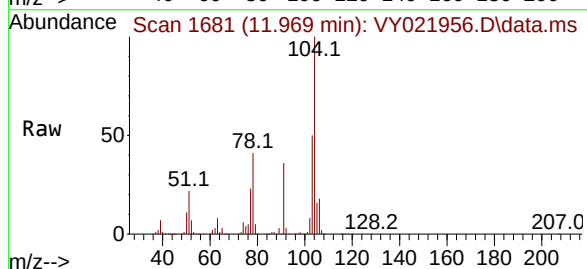
Manual Integrations
APPROVED

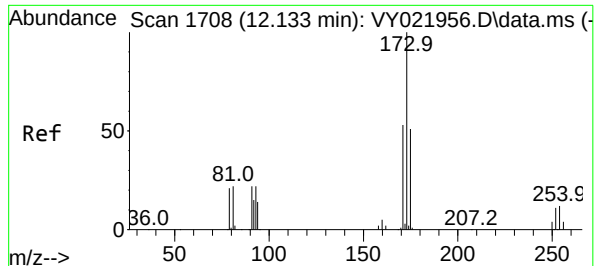
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 51.890 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

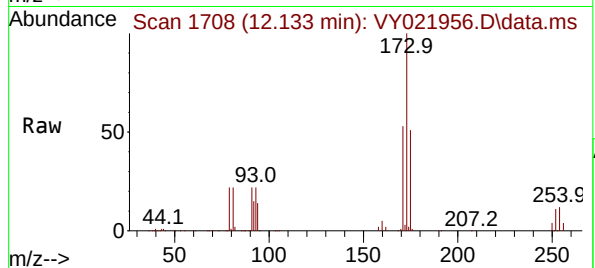
Tgt Ion:104 Resp: 535957
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 54.8 43.8 65.8





#71
Bromoform
Concen: 50.110 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

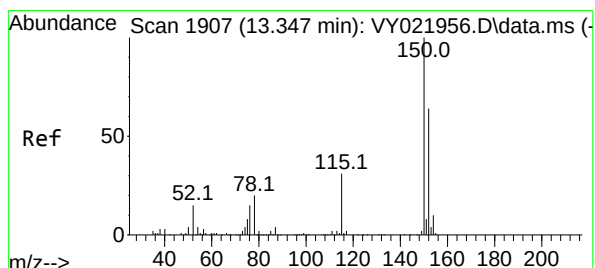
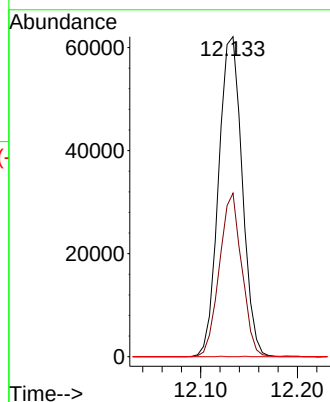
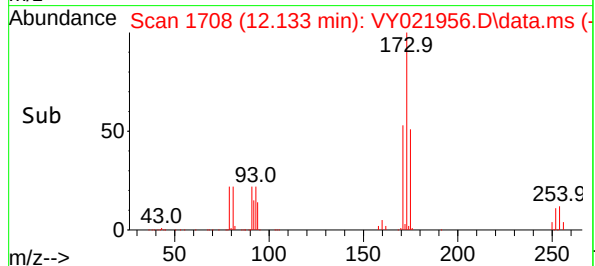
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 105160
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0

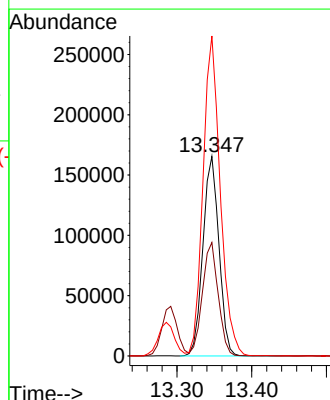
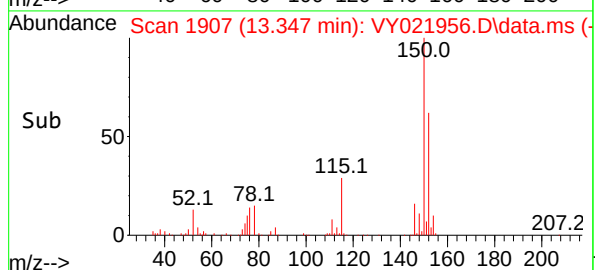
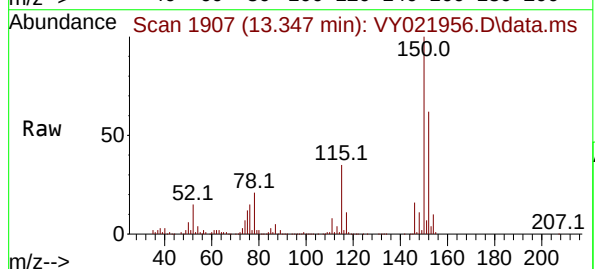
Manual Integrations
APPROVED

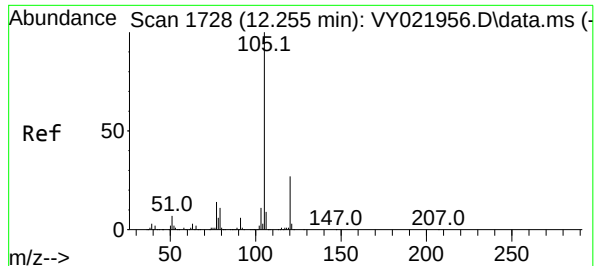
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

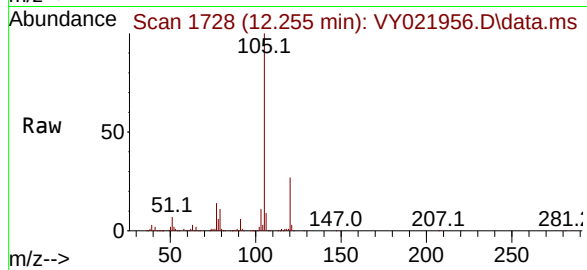
Tgt Ion:152 Resp: 245926
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 172.8 0.0 345.6





#73
Isopropylbenzene
Concen: 49.770 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

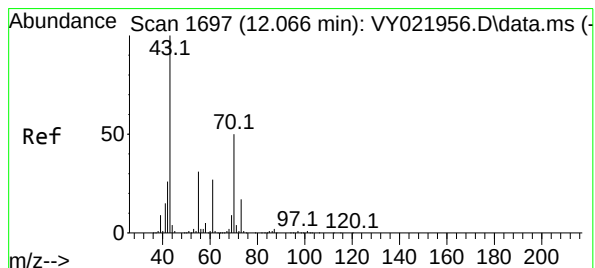
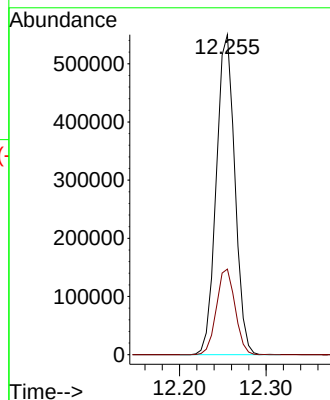
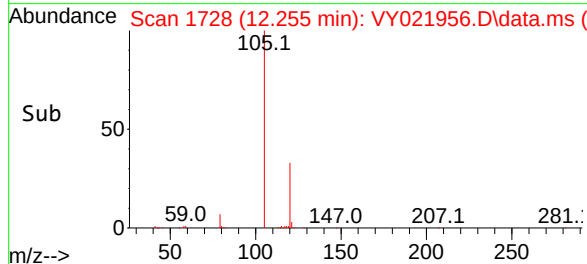
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 817740
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

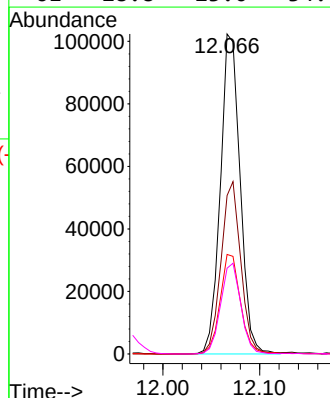
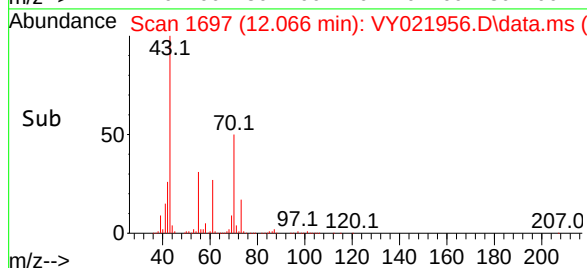
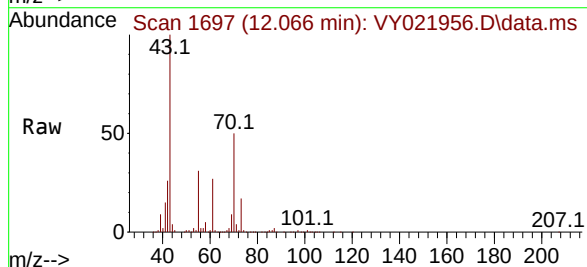
Manual Integrations
APPROVED

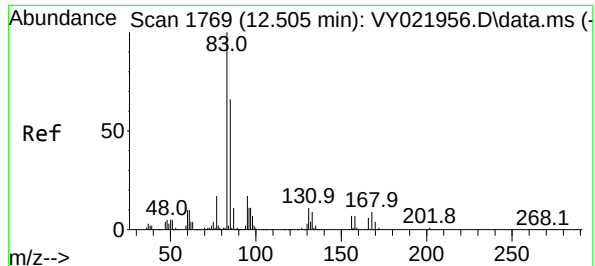
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 51.512 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

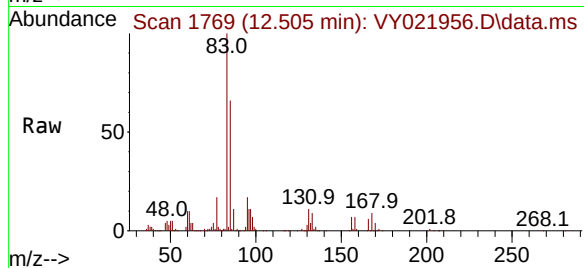
Tgt Ion: 43 Resp: 145415
Ion Ratio Lower Upper
43 100
70 54.0 43.2 64.8
55 32.1 25.7 38.5
61 28.8 23.0 34.6





#75
1,1,2-Tetrachloroethane
Concen: 48.682 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

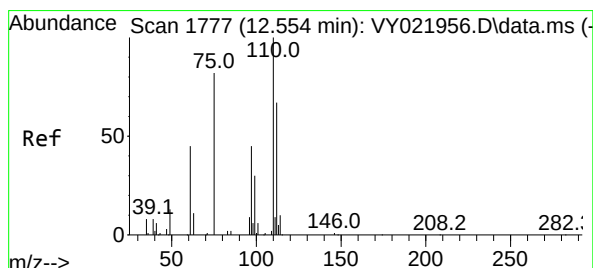
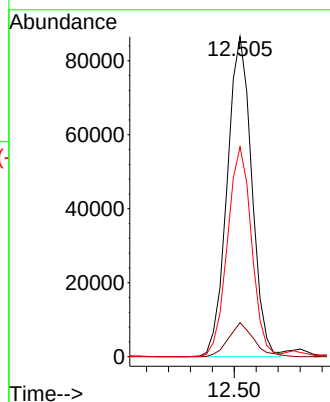
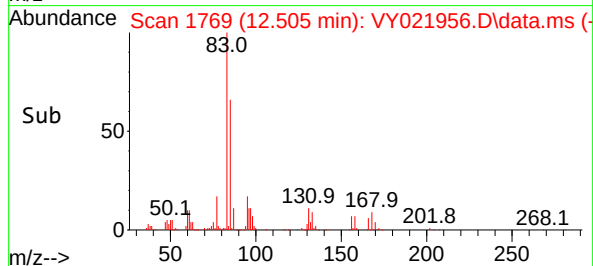
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



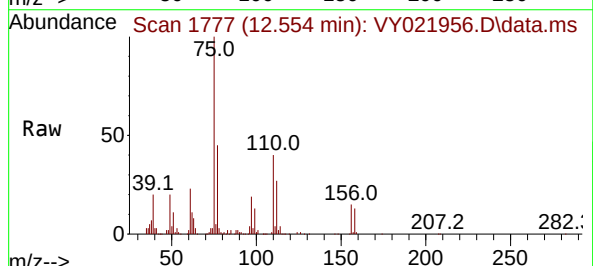
Tgt Ion: 83 Resp: 134850
Ion Ratio Lower Upper
83 100
131 10.9 5.5 16.4
85 64.5 32.3 96.8

Manual Integrations
APPROVED

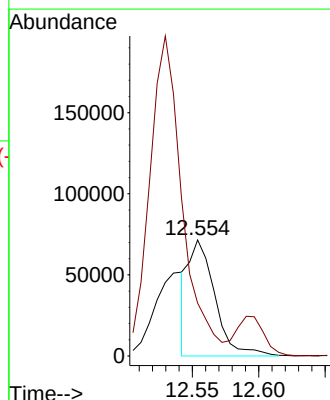
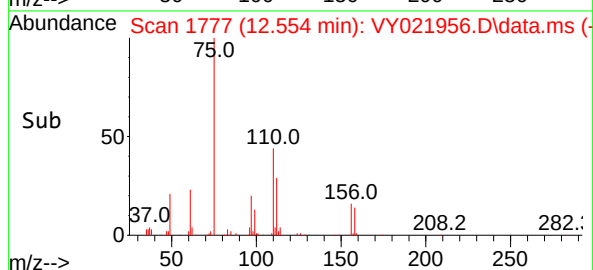
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

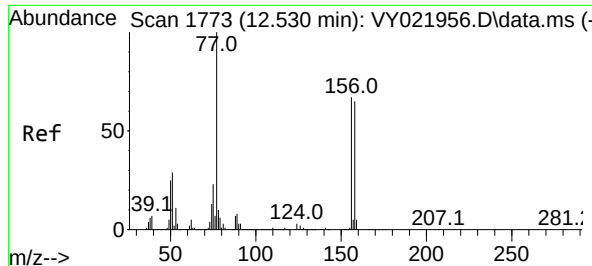


#76
1,2,3-Trichloropropane
Concen: 45.999 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29



Tgt Ion: 75 Resp: 99679
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





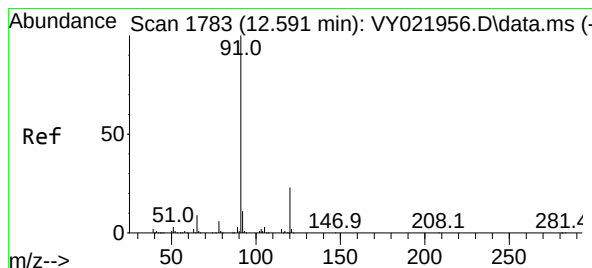
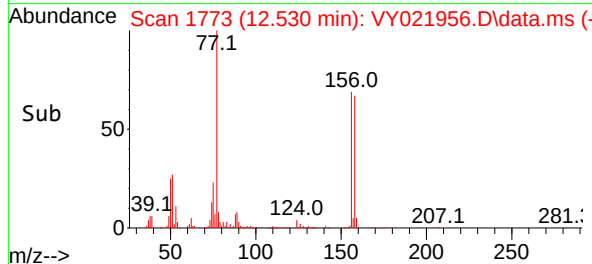
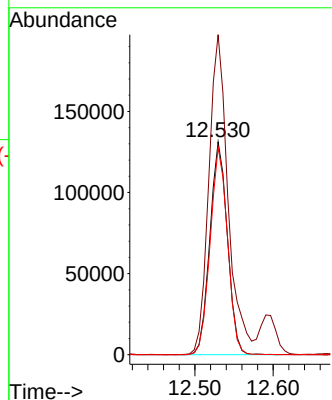
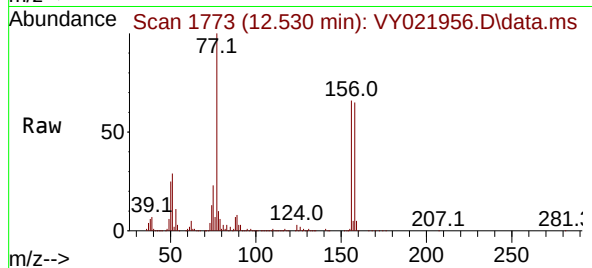
#77
Bromobenzene
Concen: 49.021 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 20352
Ion Ratio Lower Upper
156 100
77 165.4 82.7 248.1
158 96.3 48.1 144.4

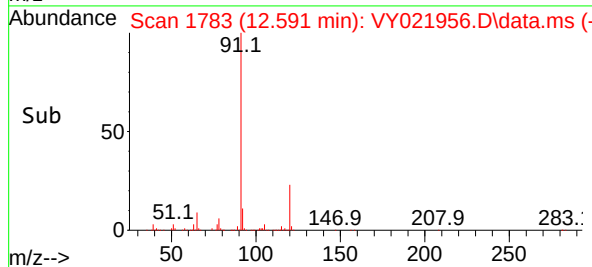
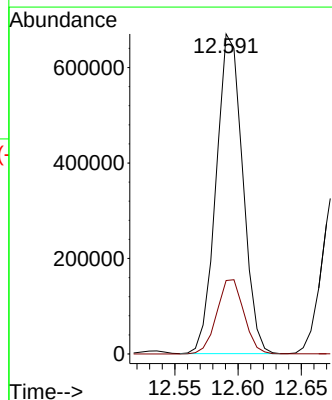
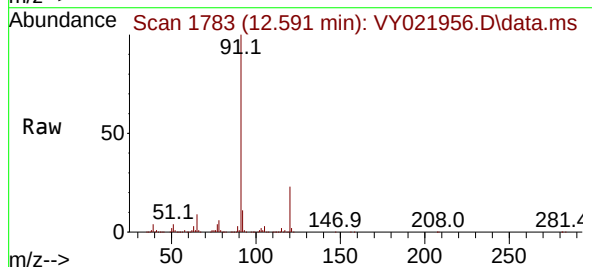
Manual Integrations
APPROVED

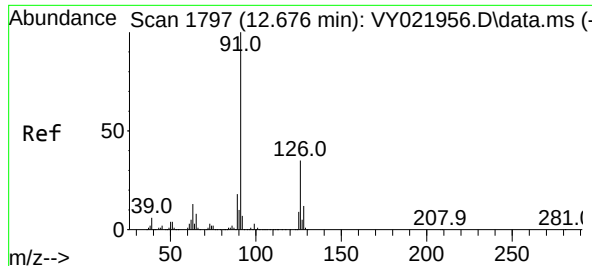
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 49.981 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 977958
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5





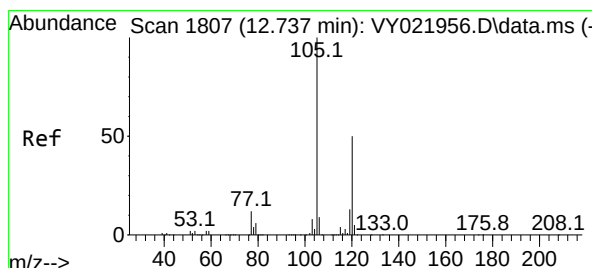
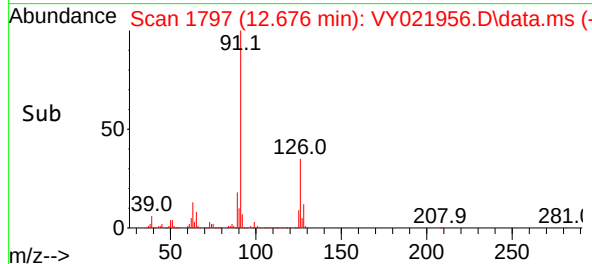
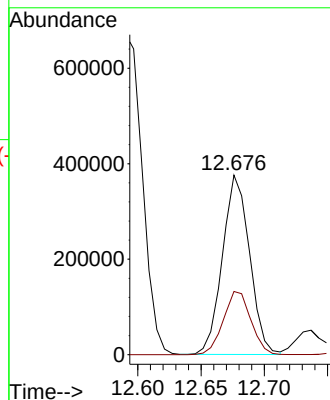
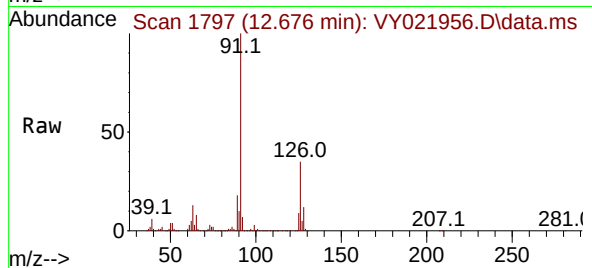
#79
2-Chlorotoluene
Concen: 49.283 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 560809
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8

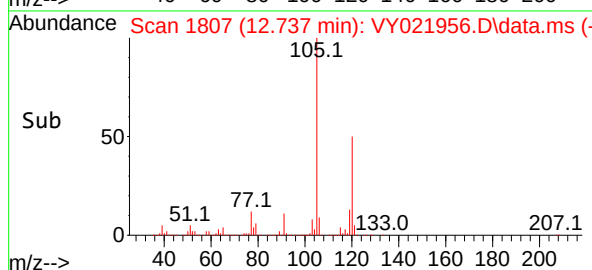
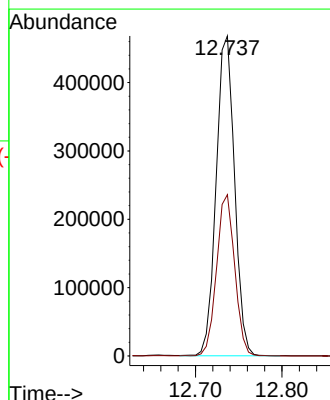
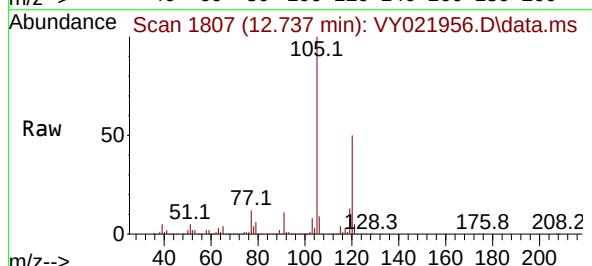
Manual Integrations
APPROVED

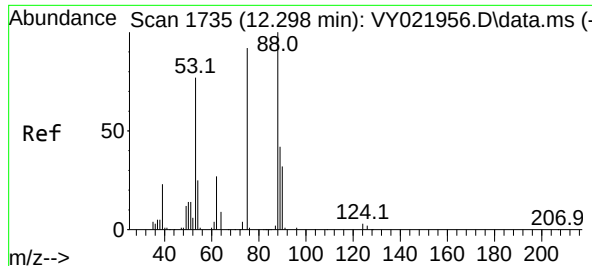
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.863 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 688578
Ion Ratio Lower Upper
105 100
120 50.0 25.0 75.0





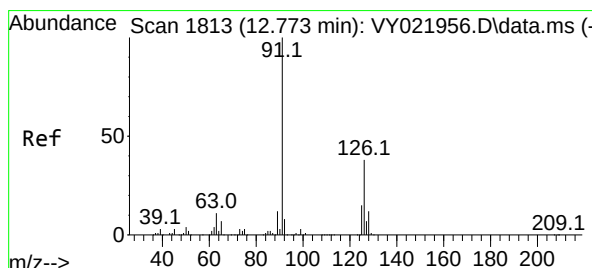
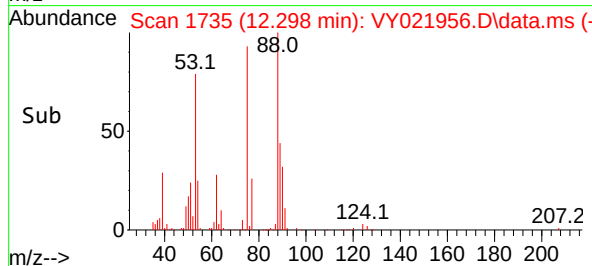
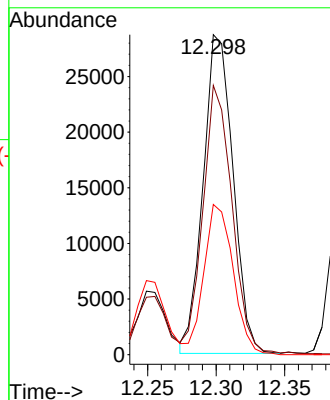
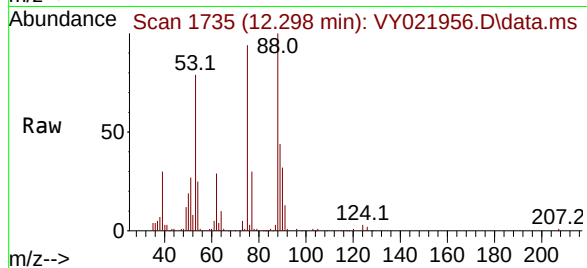
#81
trans-1,4-Dichloro-2-butene
Concen: 49.698 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 43472
Ion Ratio Lower Upper
75 100
53 82.5 66.0 99.0
89 46.5 37.2 55.8

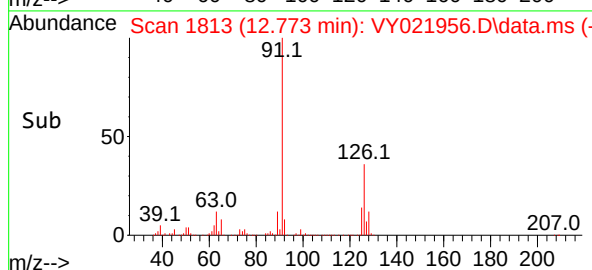
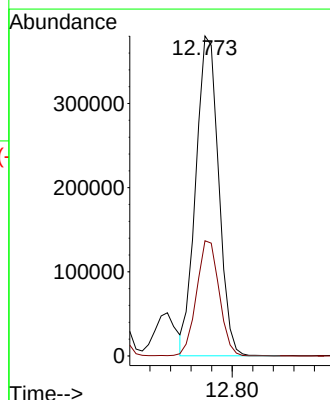
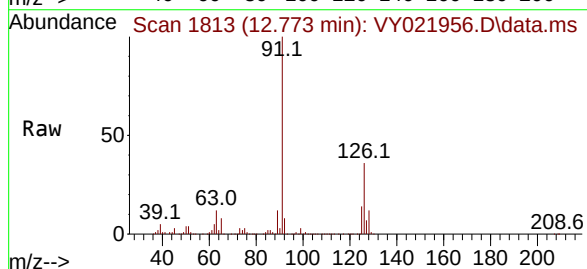
Manual Integrations
APPROVED

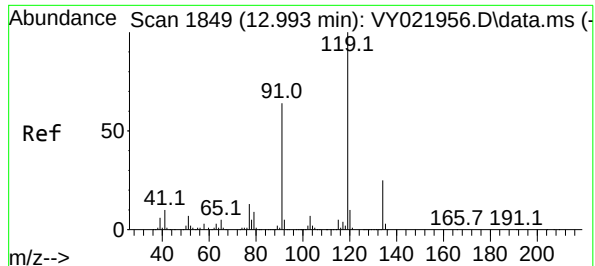
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 49.478 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 585277
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8





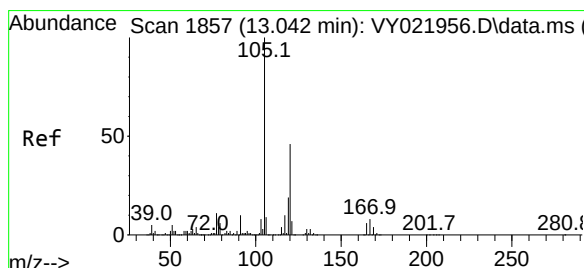
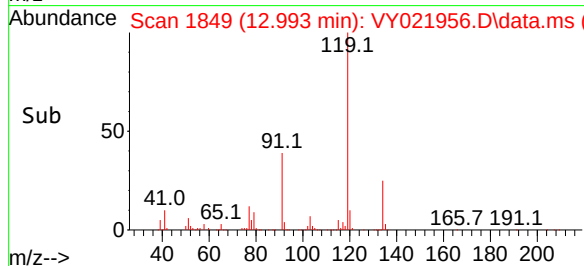
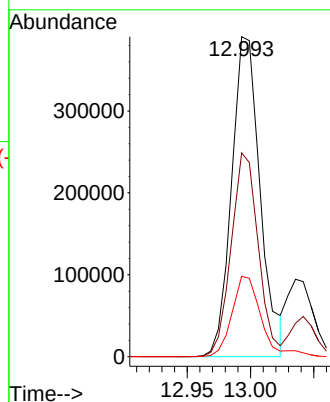
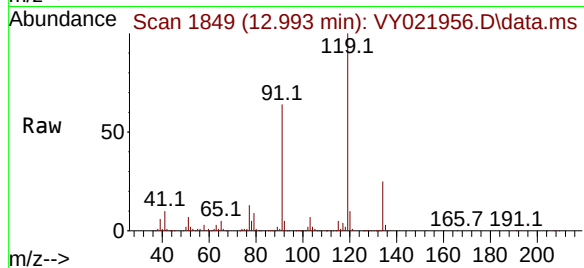
#83
tert-Butylbenzene
Concen: 50.513 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 61329
Ion Ratio Lower Upper
119 100
91 60.6 30.3 90.9
134 25.8 12.9 38.7

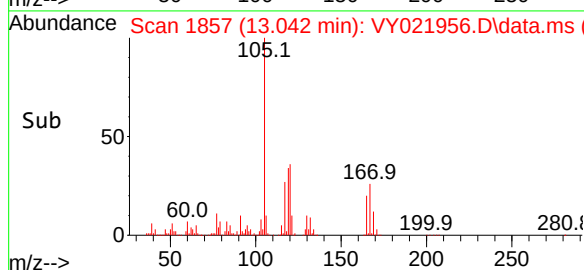
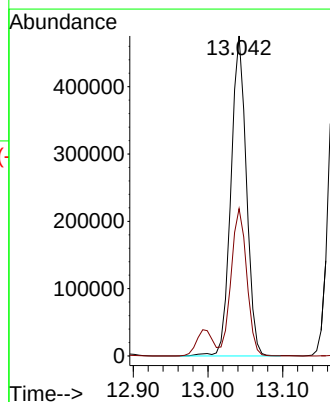
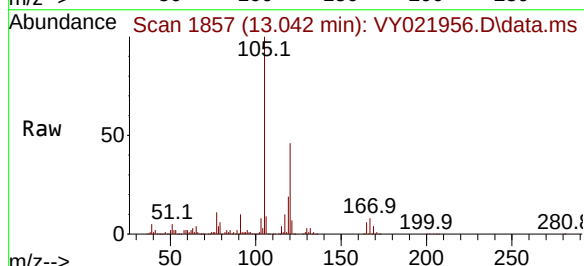
Manual Integrations
APPROVED

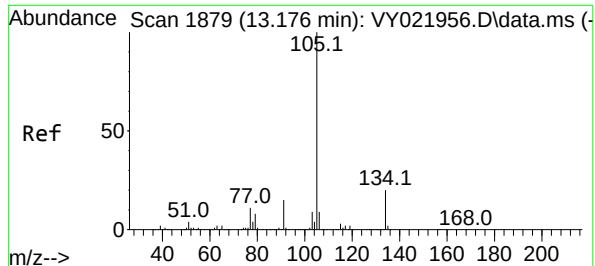
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 684634
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0





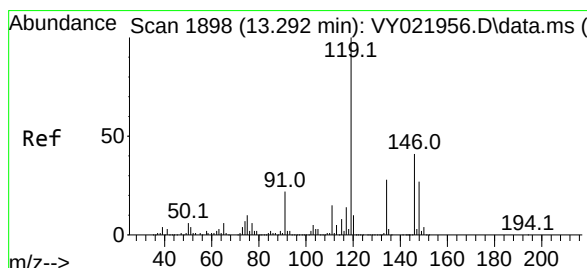
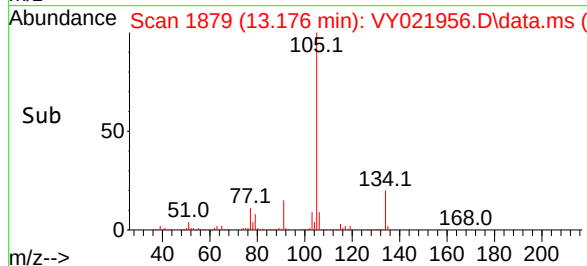
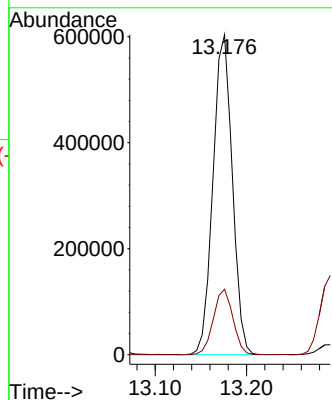
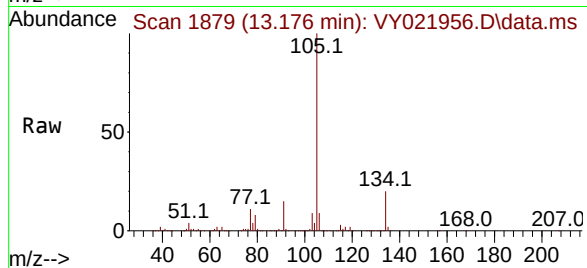
#85
sec-Butylbenzene
Concen: 49.857 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 885790
Ion Ratio Lower Upper
105 100
134 20.6 10.3 30.9

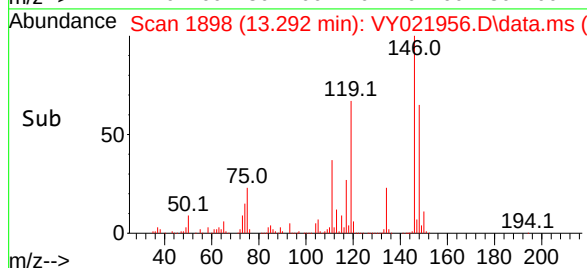
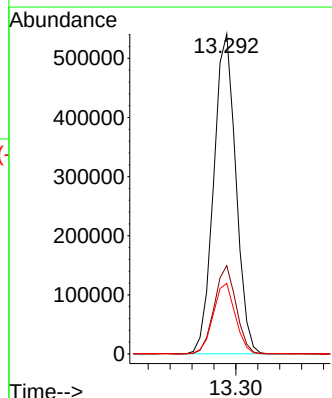
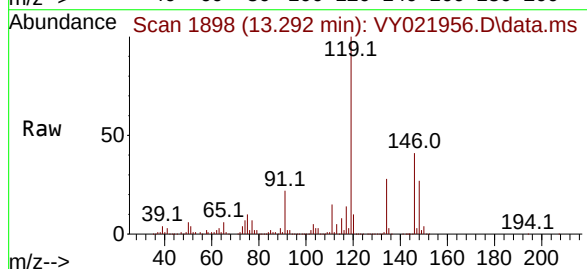
Manual Integrations
APPROVED

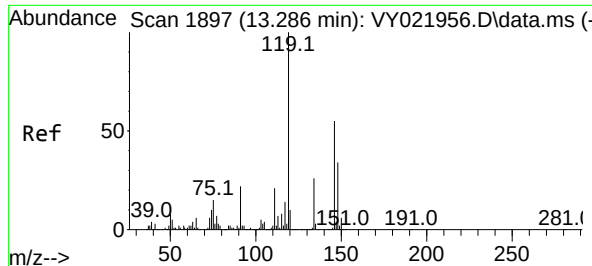
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 50.431 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:119 Resp: 760829
Ion Ratio Lower Upper
119 100
134 27.1 13.6 40.7
91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.048 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

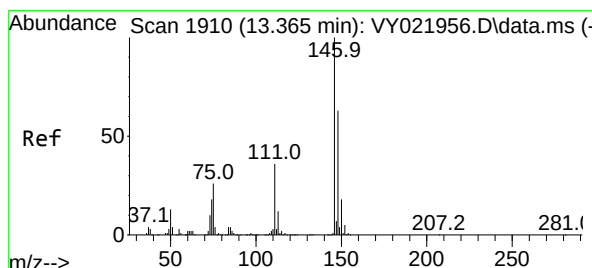
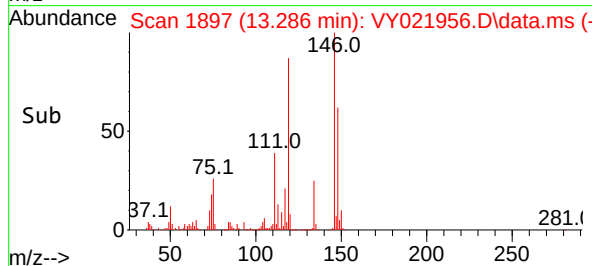
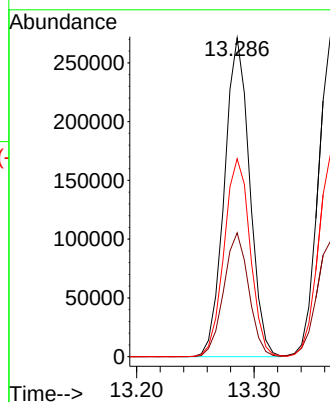
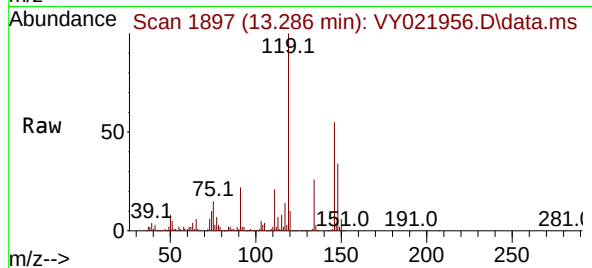
Tgt Ion:146 Resp: 40515

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.1	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 47.697 ug/l

RT: 13.365 min Scan# 1910

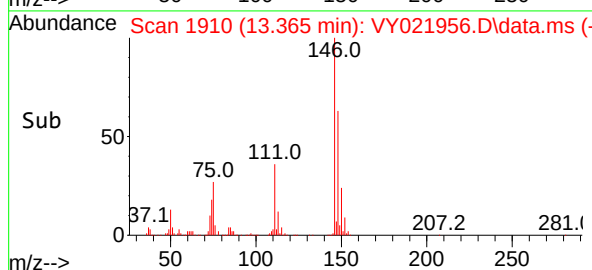
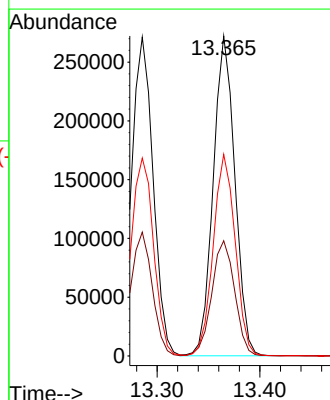
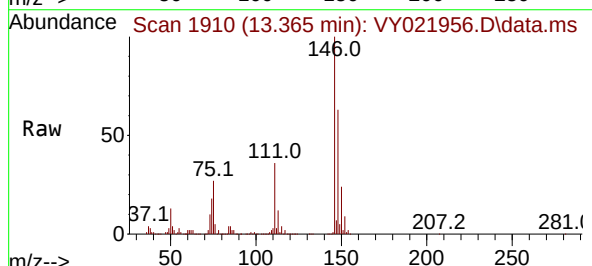
Delta R.T. 0.000 min

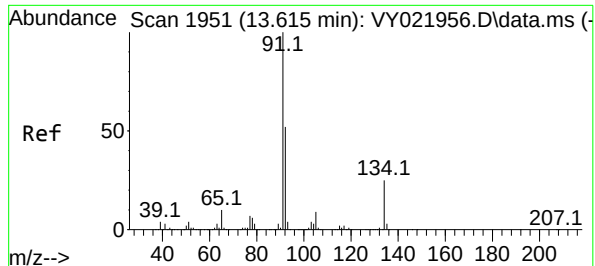
Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 398336

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.0	32.0	96.0





#89

n-Butylbenzene

Concen: 50.008 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

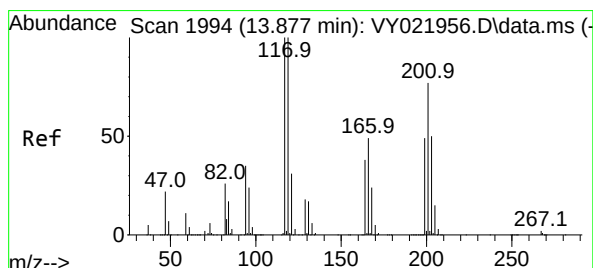
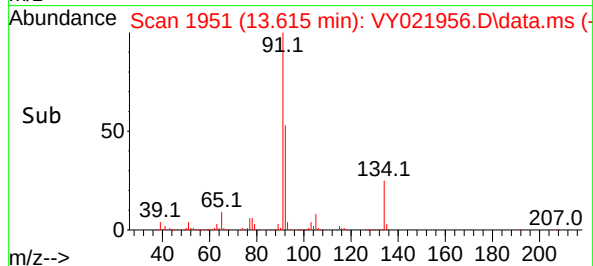
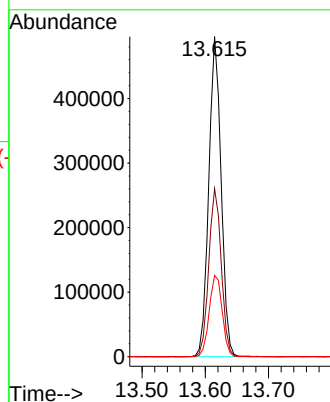
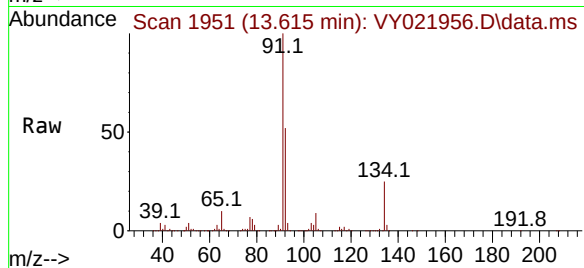
VSTDICCC050

Tgt Ion:	91	Resp:	674340
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	26.7	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 47.353 ug/l

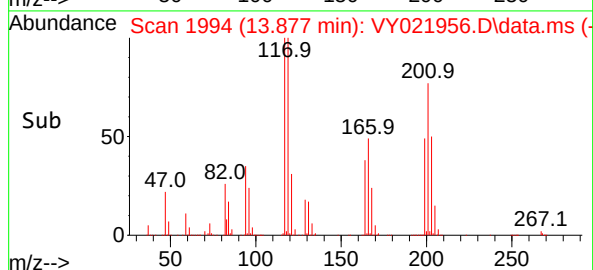
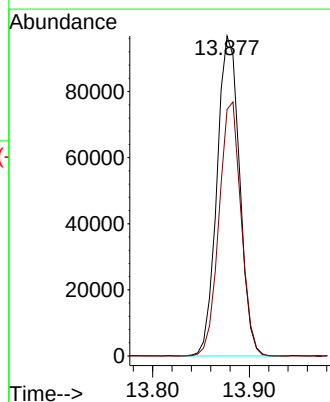
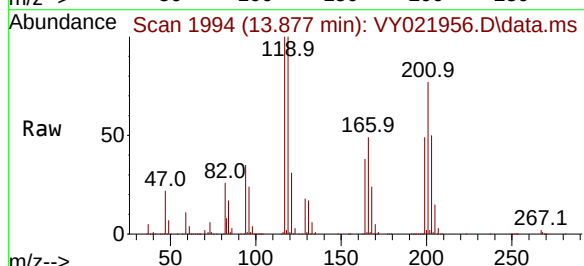
RT: 13.877 min Scan# 1994

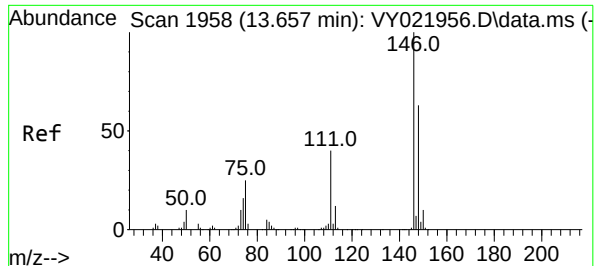
Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Tgt Ion:	117	Resp:	156957
Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.7	116.1





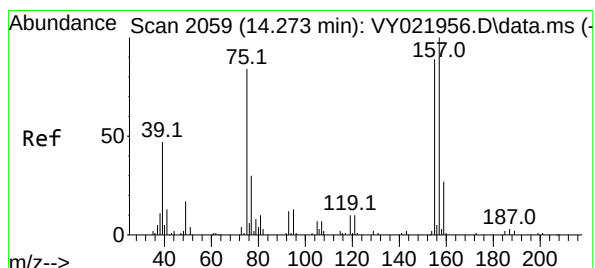
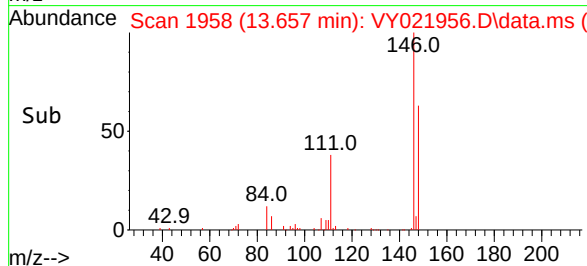
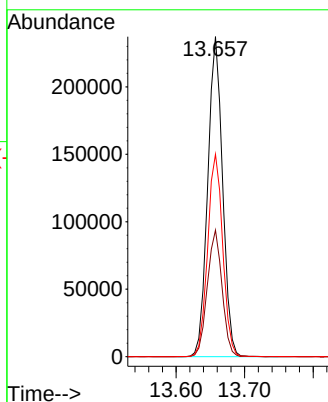
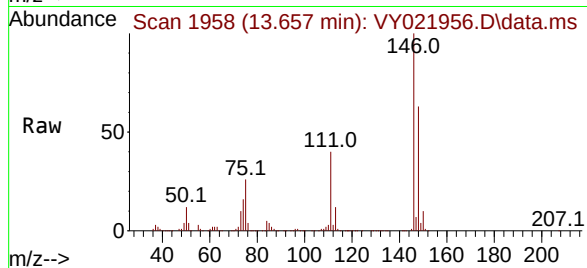
#91
1,2-Dichlorobenzene
Concen: 48.544 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 357028
Ion Ratio Lower Upper
146 100
111 39.4 19.7 59.1
148 64.2 32.1 96.3

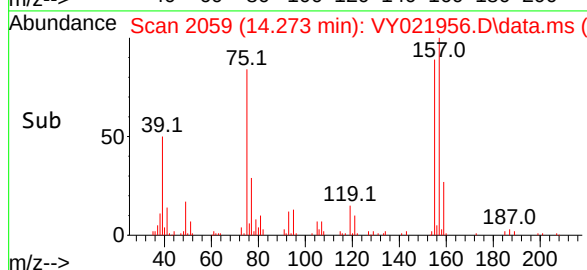
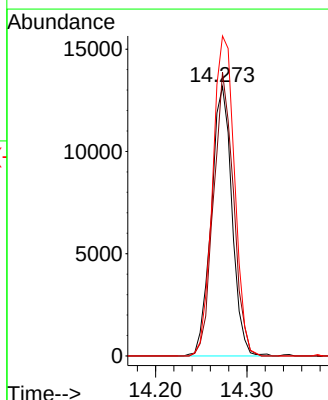
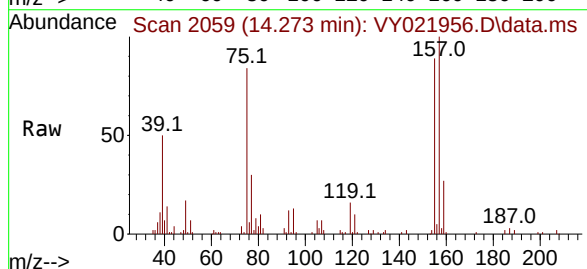
Manual Integrations
APPROVED

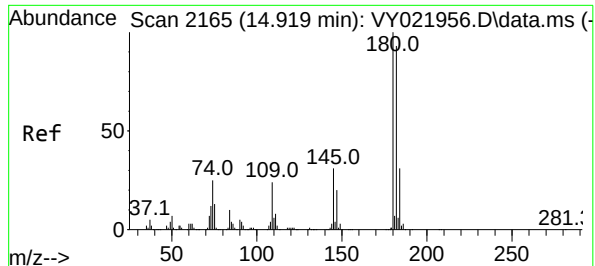
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 20698
Ion Ratio Lower Upper
75 100
155 101.5 50.7 152.3
157 125.2 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 48.561 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 202380

Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.4

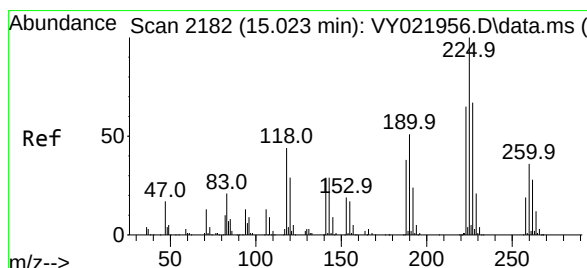
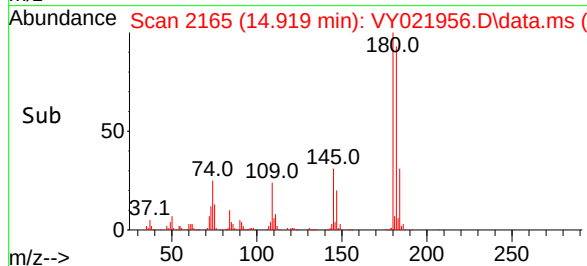
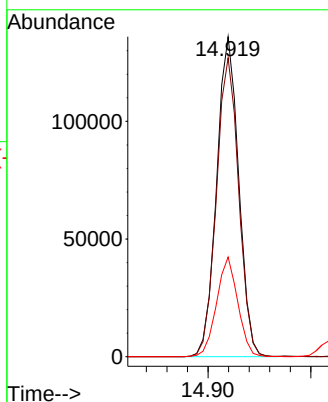
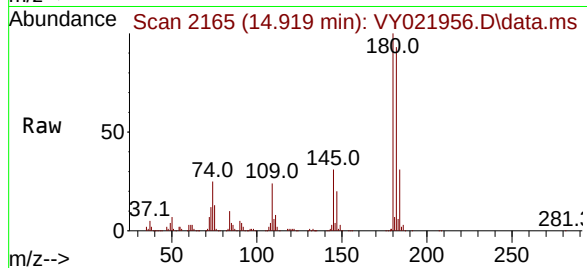
145 30.0 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 46.009 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021956.D

Acq: 22 Apr 2025 15:29

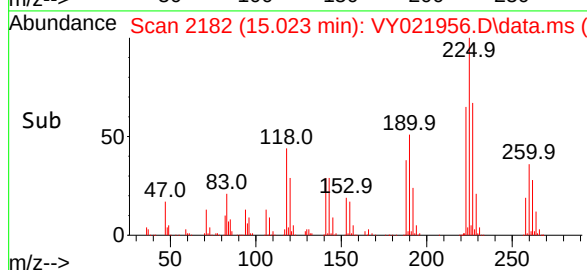
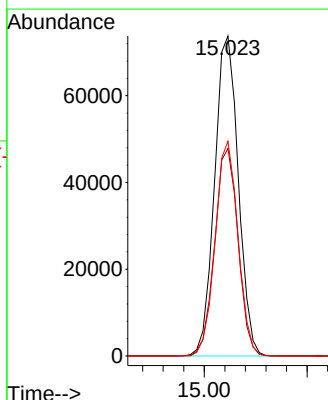
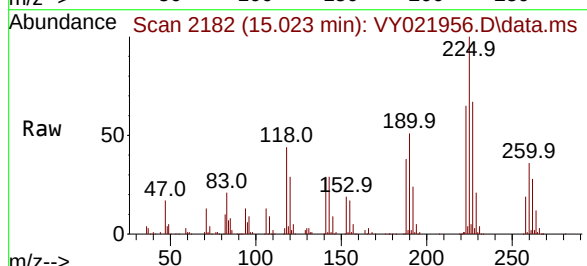
Tgt Ion:225 Resp: 117976

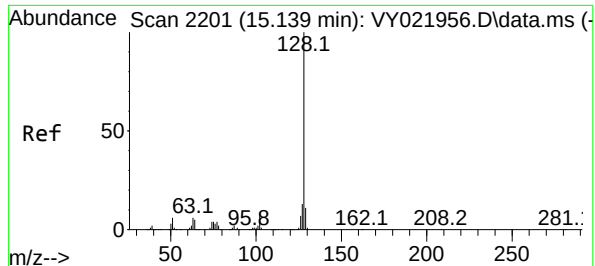
Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.5

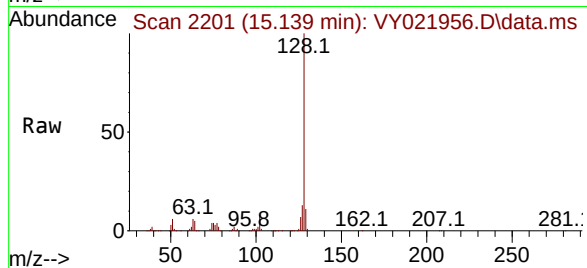
227 64.6 32.3 96.9





#95
Naphthalene
Concen: 51.007 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

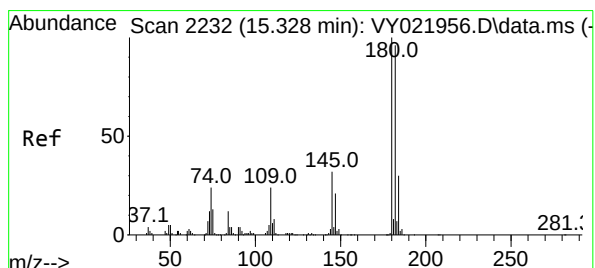
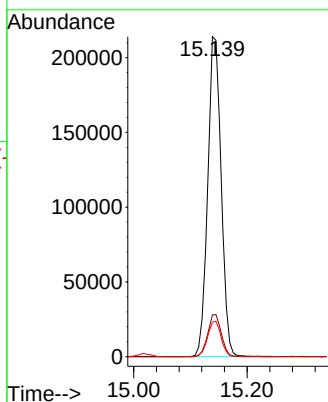
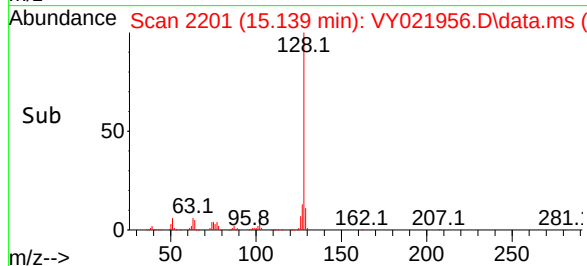
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 353130
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.9 13.3

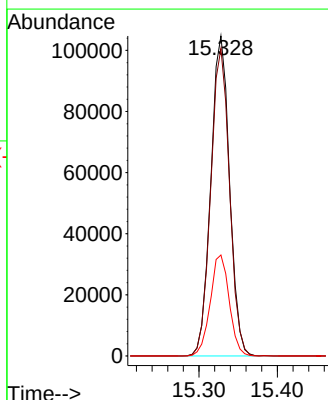
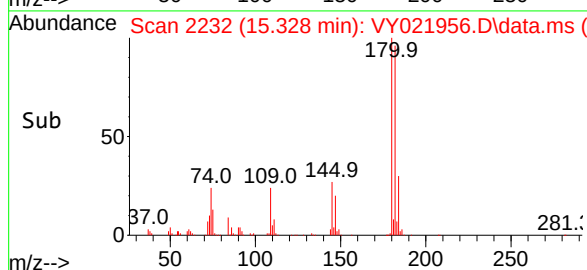
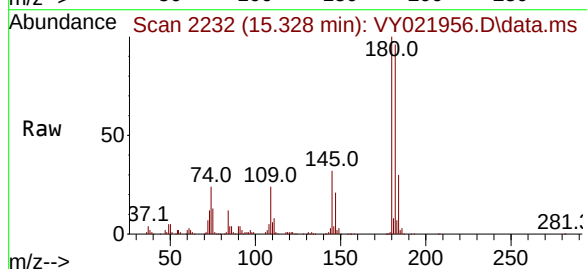
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.304 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:180 Resp: 173778
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 32.0 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l	100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l	98
44) Trichloroethene	8.866	130	401139	100.789	ug/l	99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l	99
46) Dibromomethane	9.231	93	197509	99.293	ug/l	99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l	99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l	97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l	99
52) Toluene	10.170	92	986553	106.068	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l	99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l	100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l	99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l	99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l	99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l	98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l	99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l	99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l	100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l	98
69) o-Xylene	11.956	106	716652	111.334	ug/l	99
70) Styrene	11.969	104	1220634	112.940	ug/l	99
71) Bromoform	12.133	173	226072	102.945	ug/l #	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l	99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l	
77) Bromobenzene	12.530	156	451913	105.415	ug/l	98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l	99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l	97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l	99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l	99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l	100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l	99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l	99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l	100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l	99
95) Naphthalene	15.145	128	858079	120.033	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

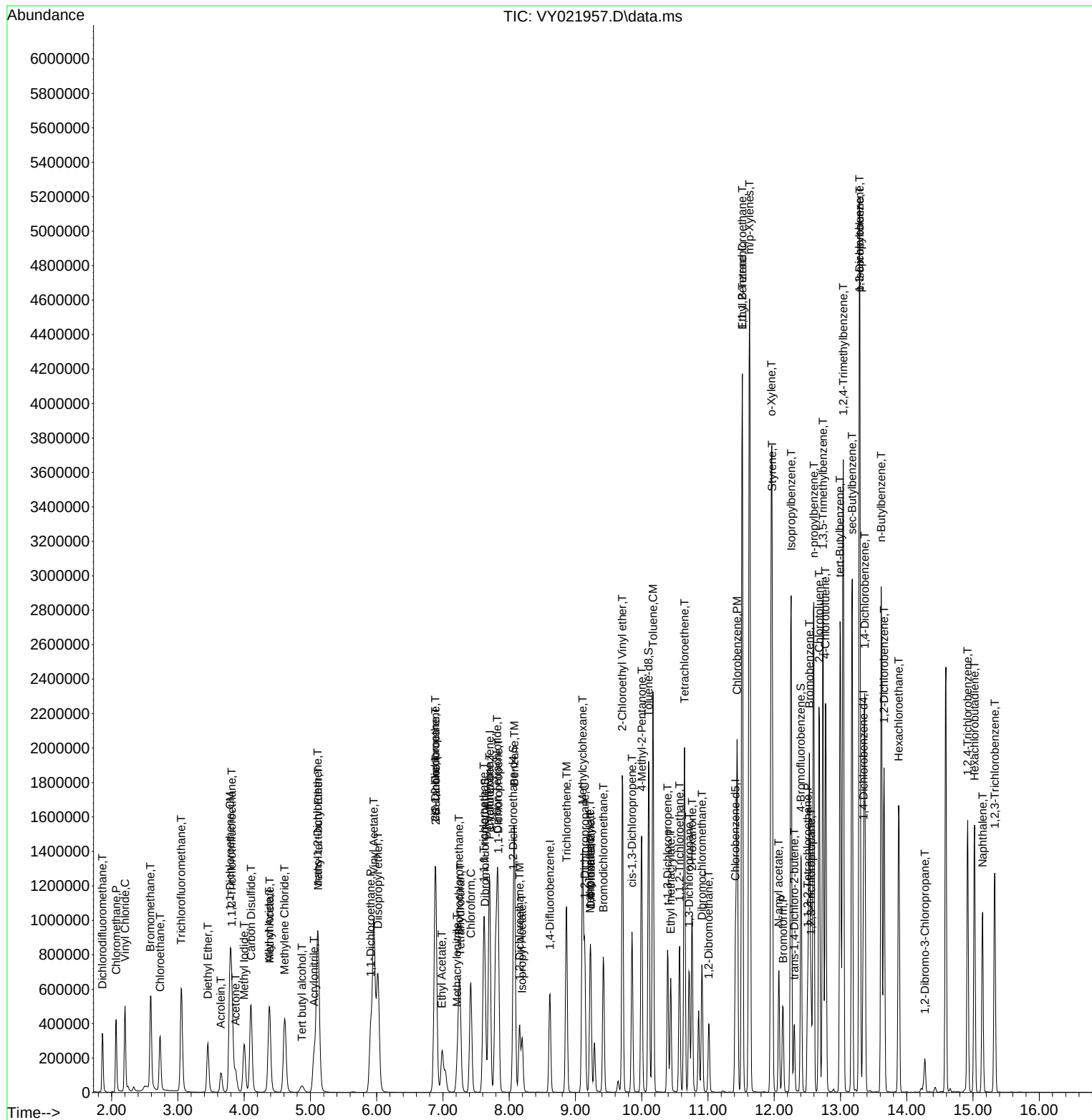
Quant Time: Apr 23 02:12:17 2025

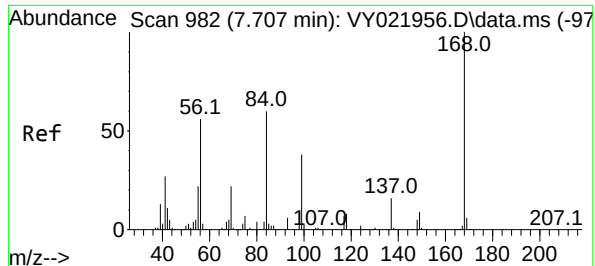
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:02:03 2025

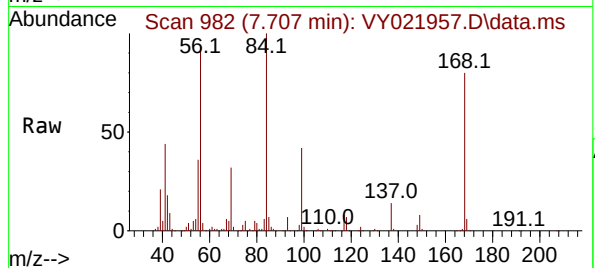
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

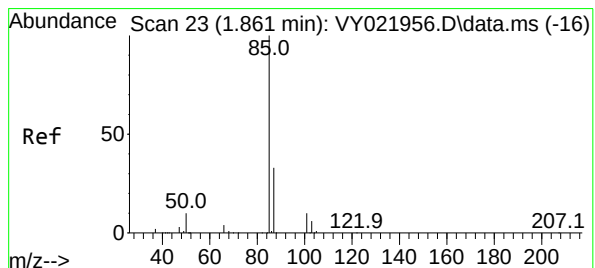
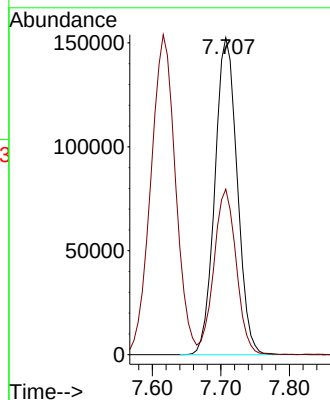
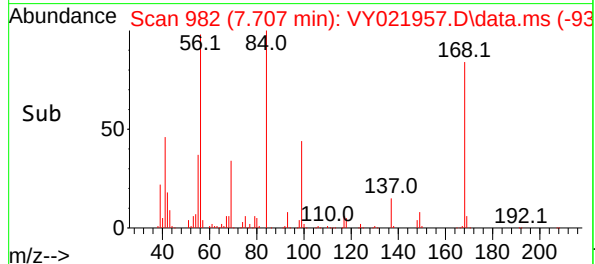
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:168 Resp: 344392
Ion Ratio Lower Upper
168 100
99 52.1 43.1 64.7

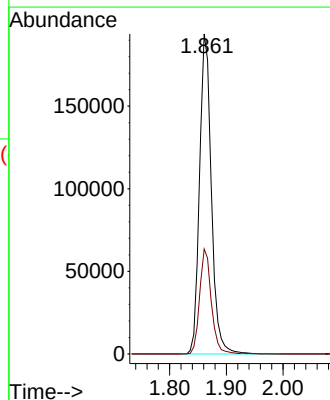
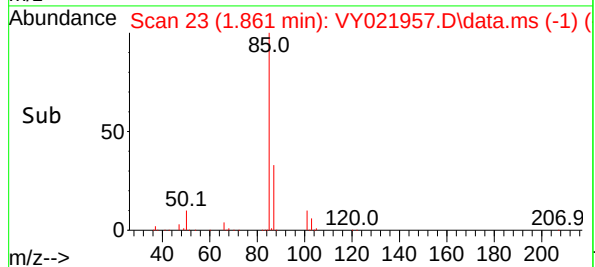
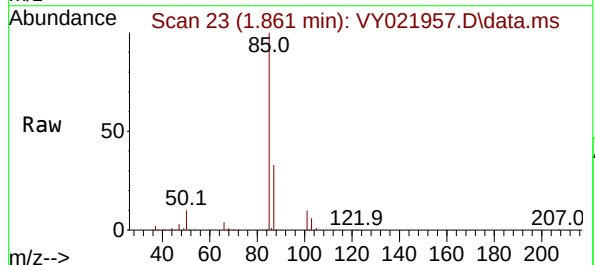
Manual Integrations
APPROVED

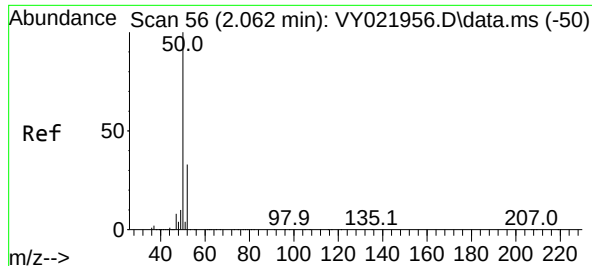
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 95.668 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

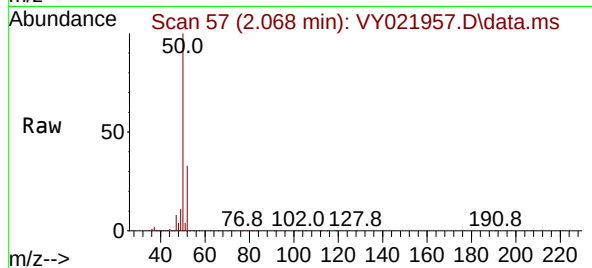
Tgt Ion: 85 Resp: 280742
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.7





#3
Chloromethane
Concen: 87.270 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

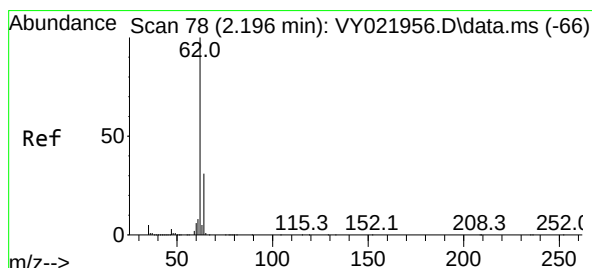
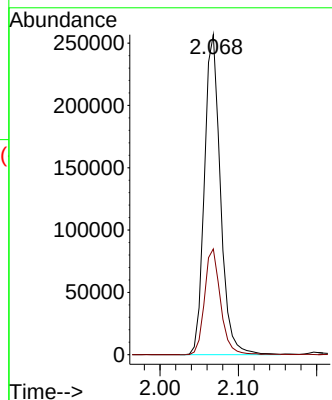
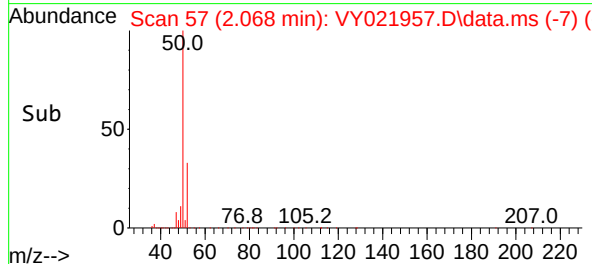
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 364659
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1

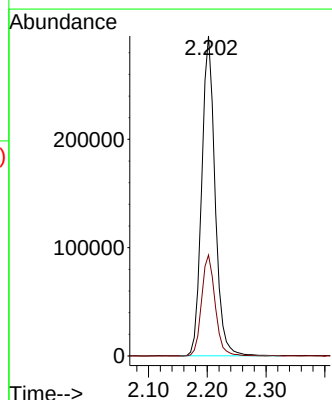
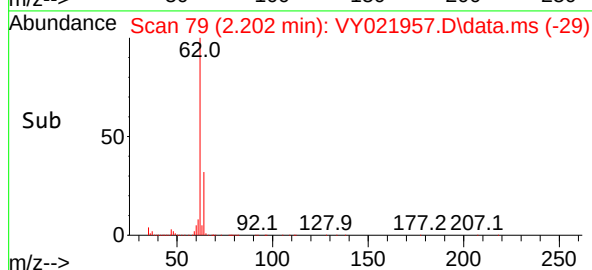
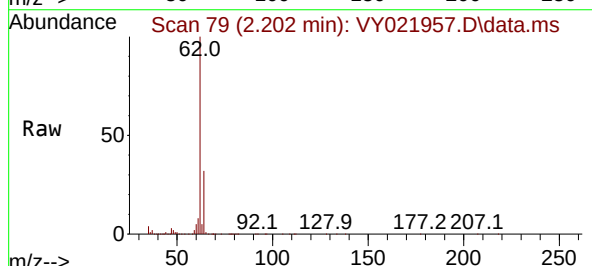
Manual Integrations
APPROVED

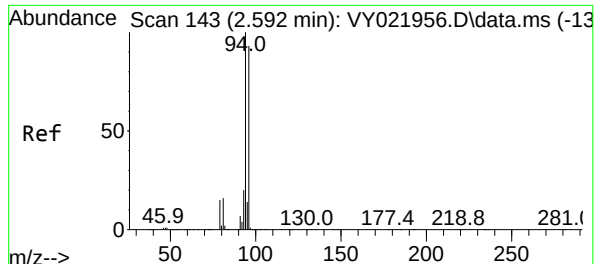
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 91.152 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

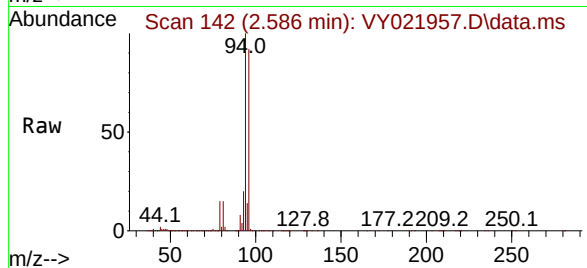
Tgt Ion: 62 Resp: 468044
Ion Ratio Lower Upper
62 100
64 31.6 25.1 37.7





#5
Bromomethane
Concen: 86.267 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

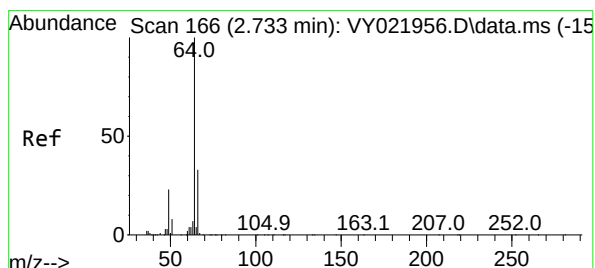
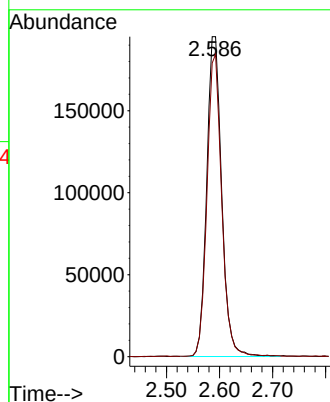
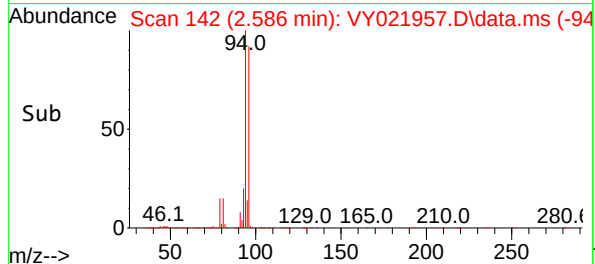
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 94 Resp: 381632
Ion Ratio Lower Upper
94 100
96 91.7 74.6 111.8

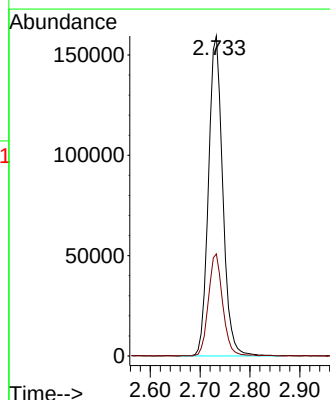
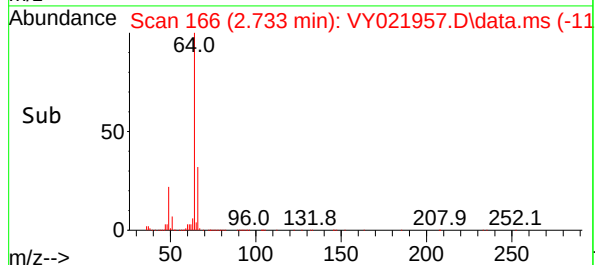
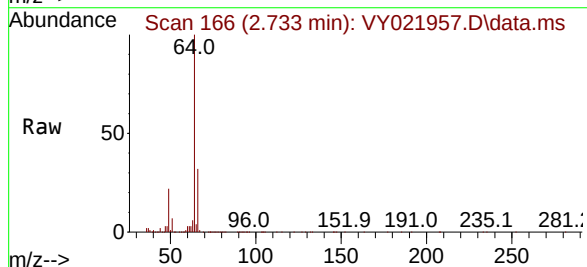
Manual Integrations
APPROVED

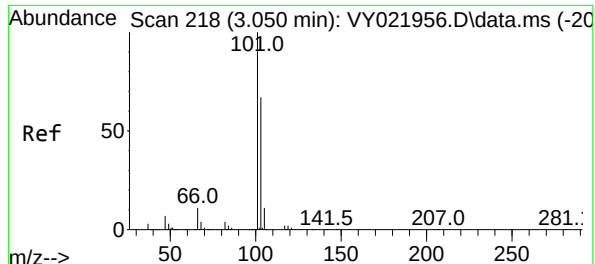
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 90.651 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

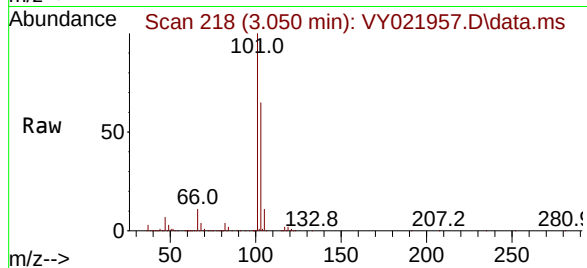
Tgt Ion: 64 Resp: 317008
Ion Ratio Lower Upper
64 100
66 31.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 93.728 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

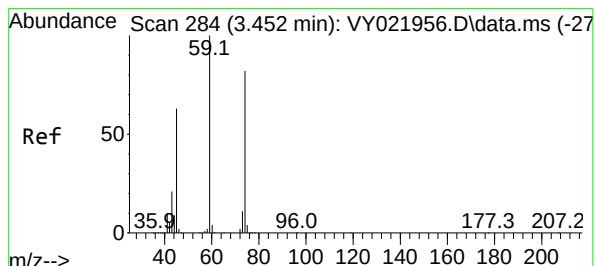
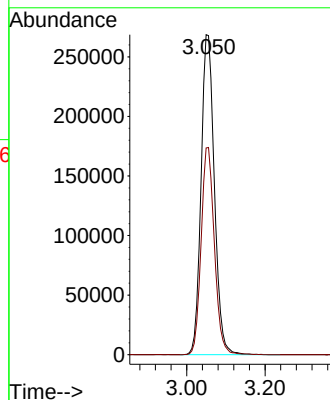
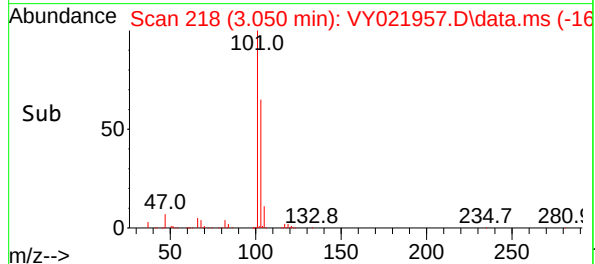
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:101 Resp: 63463
Ion Ratio Lower Upper
101 100
103 64.6 53.6 80.4

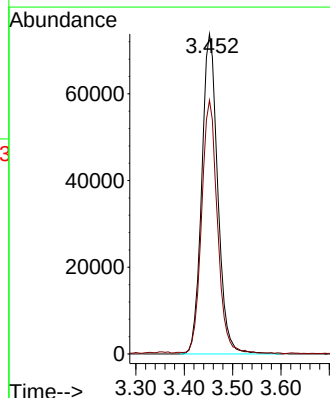
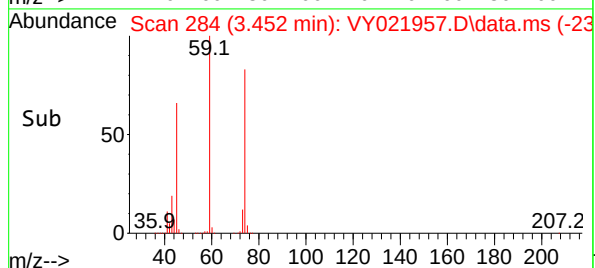
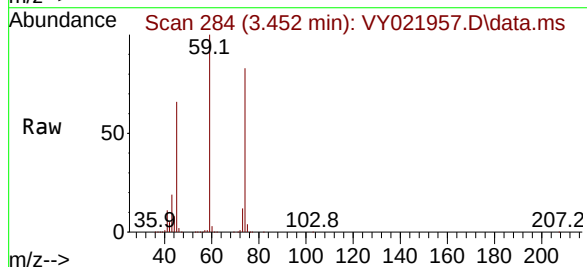
Manual Integrations
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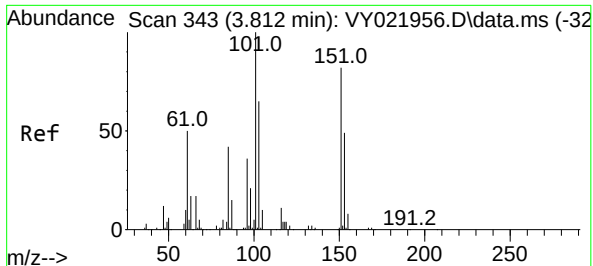
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 96.177 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 74 Resp: 169496
Ion Ratio Lower Upper
74 100
45 77.7 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.171 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 342220

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

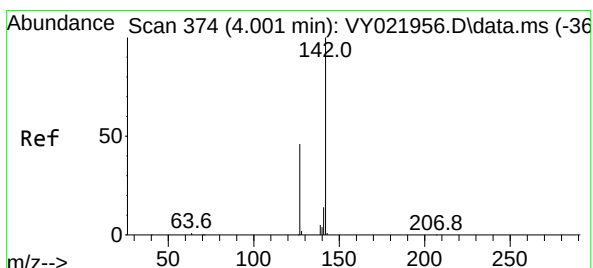
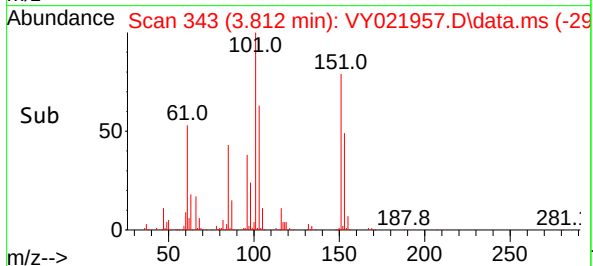
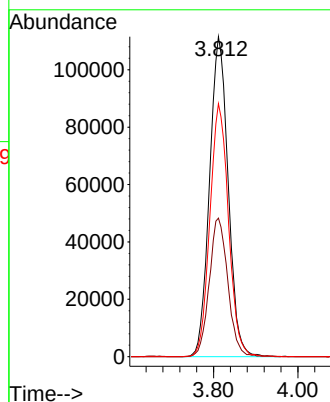
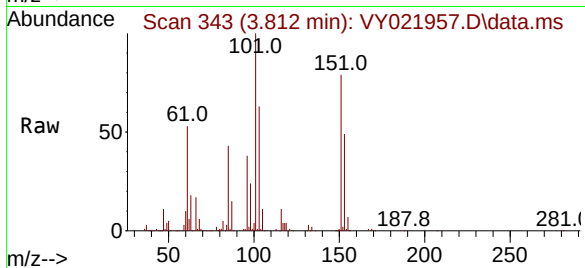
151 78.9 63.7 95.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#10

Methyl Iodide

Concen: 105.498 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

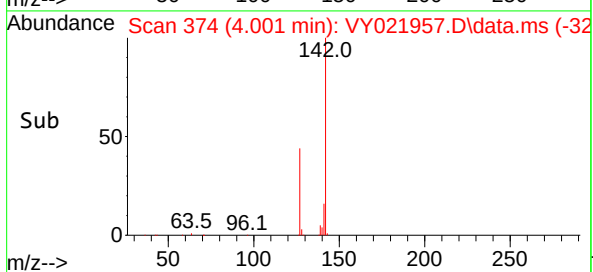
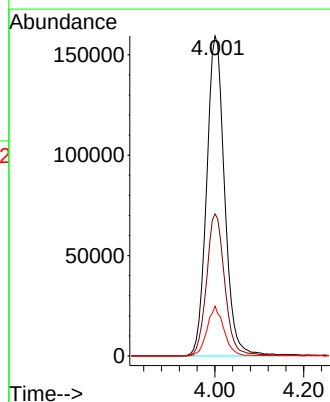
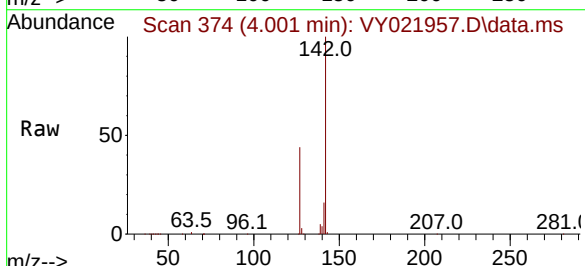
Tgt Ion:142 Resp: 448644

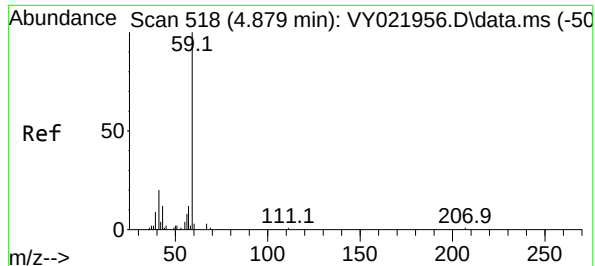
Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 454.915 ug/l

RT: 4.872 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 79440

Ion Ratio Lower Upper

59 100

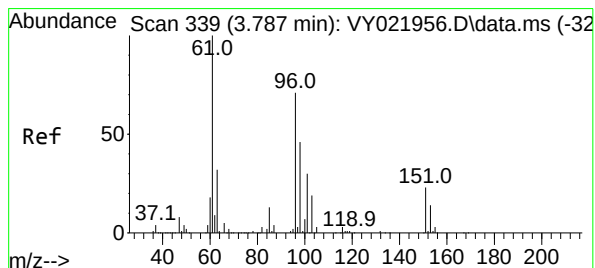
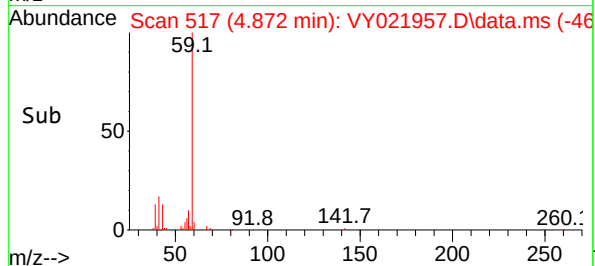
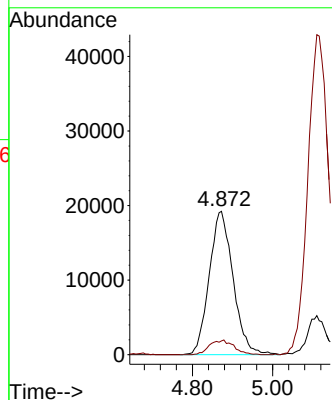
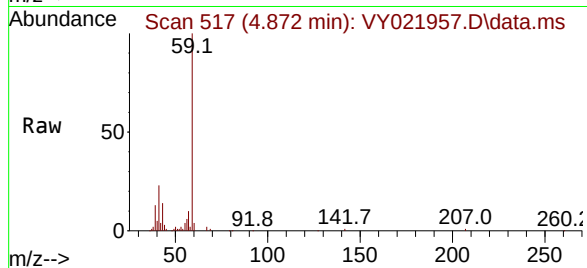
57 10.4 9.3 13.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 97.935 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

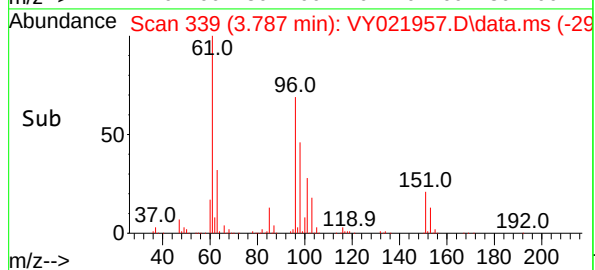
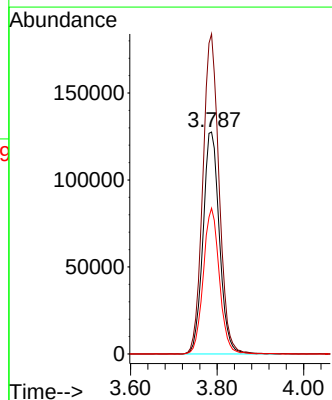
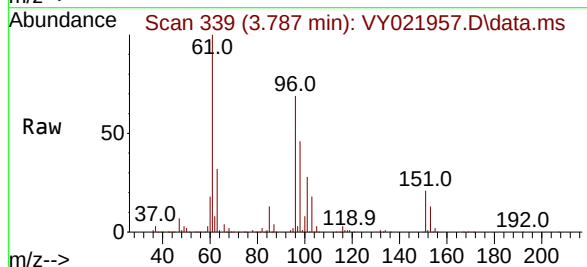
Tgt Ion: 96 Resp: 335292

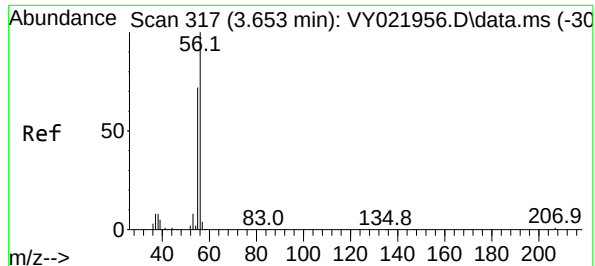
Ion Ratio Lower Upper

96 100

61 144.2 113.0 169.4

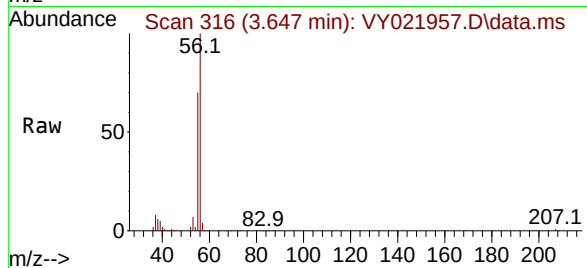
98 65.7 51.4 77.2





#13
Acrolein
Concen: 438.034 ug/l
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

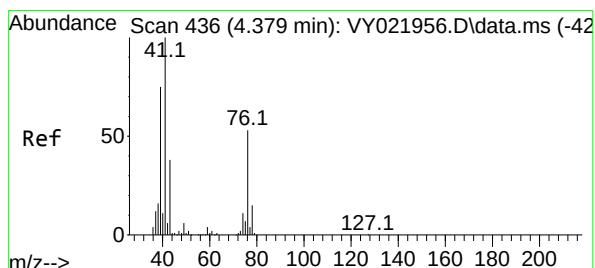
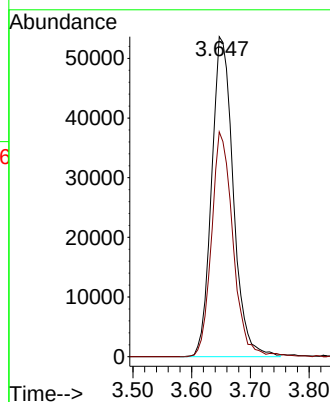
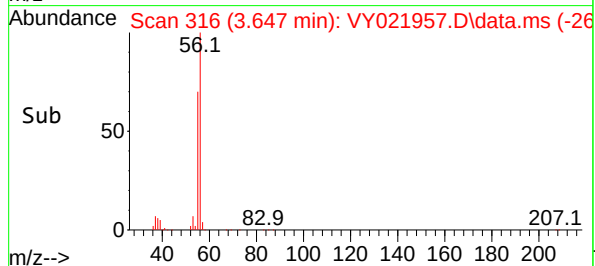
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 137299
Ion Ratio Lower Upper
56 100
55 69.1 57.4 86.0

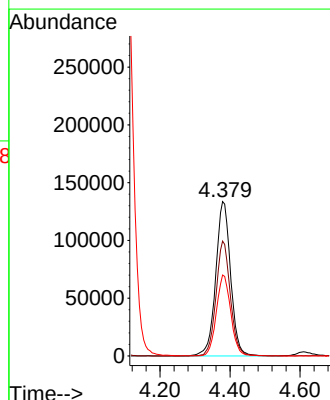
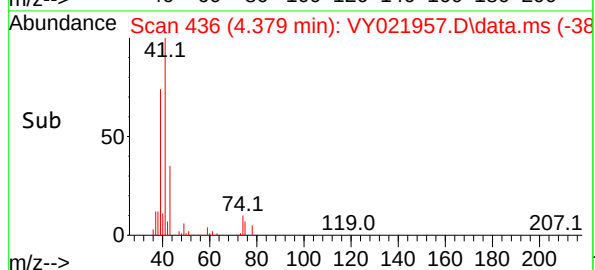
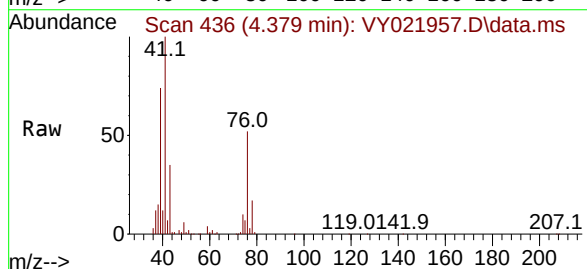
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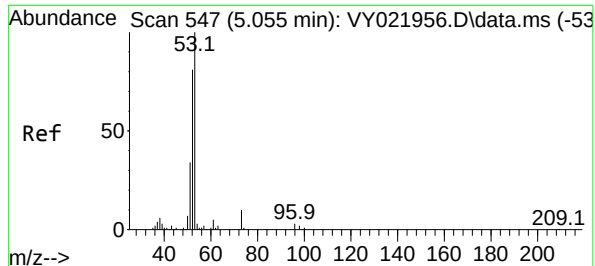
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#14
Allyl chloride
Concen: 99.318 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

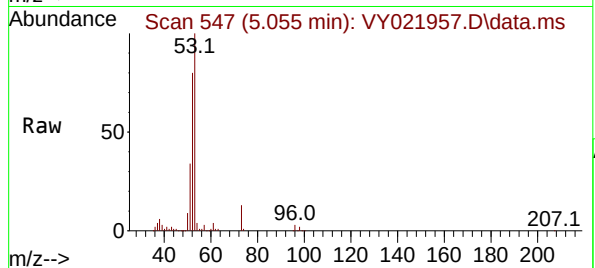
Tgt Ion: 41 Resp: 395924
Ion Ratio Lower Upper
41 100
39 71.7 57.2 85.8
76 50.5 39.7 59.5





#15
Acrylonitrile
Concen: 470.017 ug/l
RT: 5.055 min Scan# 547
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

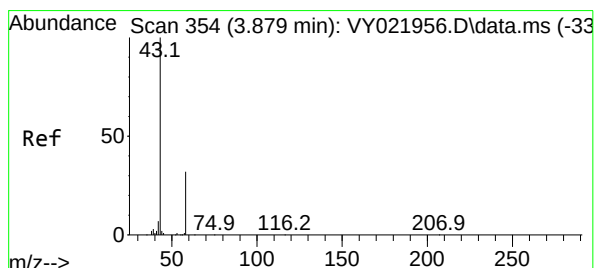
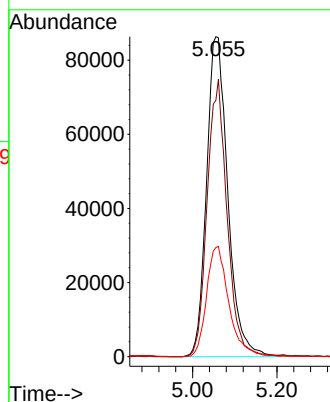
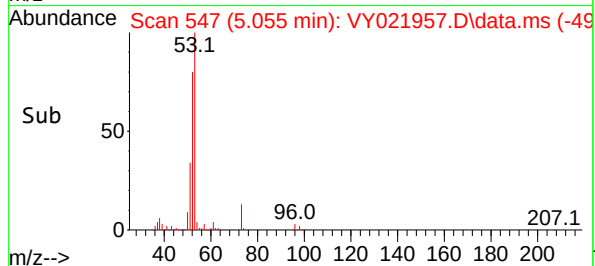
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 53 Resp: 30324
Ion Ratio Lower Upper
53 100
52 80.9 65.0 97.6
51 36.1 28.9 43.3

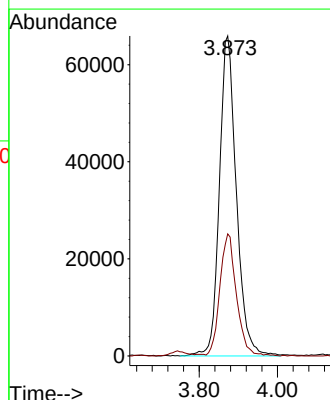
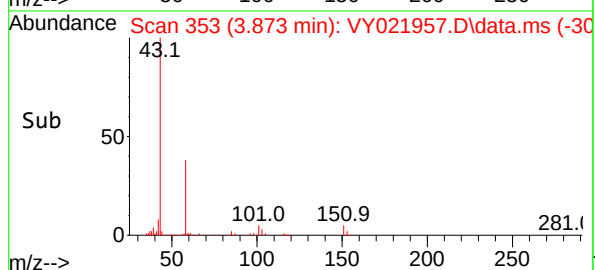
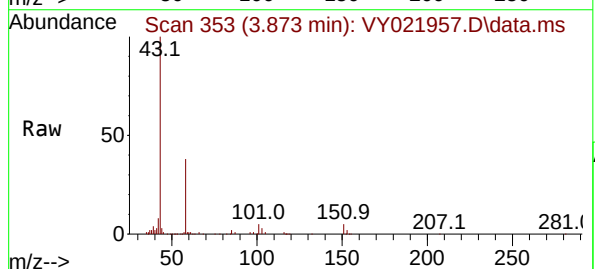
Manual Integrations
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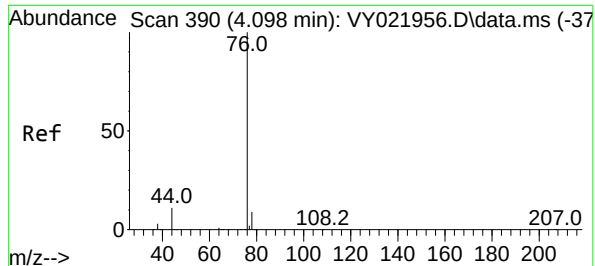
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#16
Acetone
Concen: 497.873 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

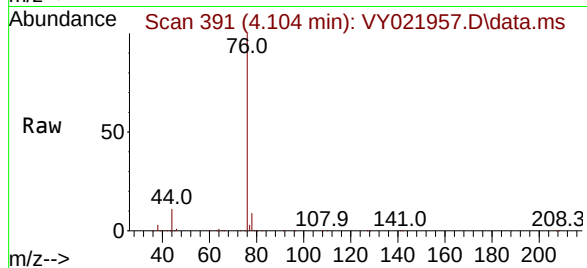
Tgt Ion: 43 Resp: 198486
Ion Ratio Lower Upper
43 100
58 38.2 27.0 40.4





#17
Carbon Disulfide
Concen: 95.665 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

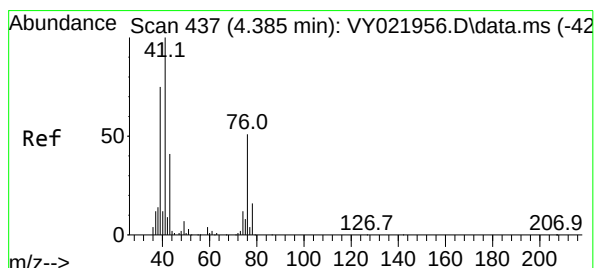
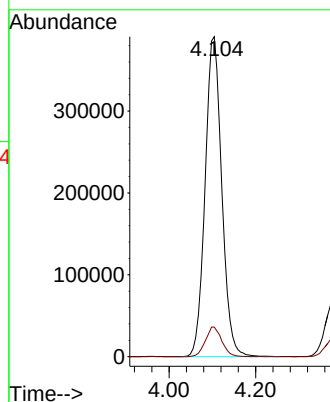
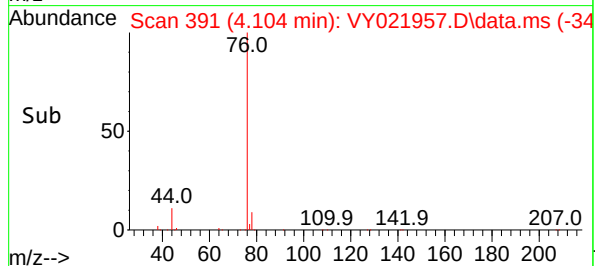
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 1044290
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

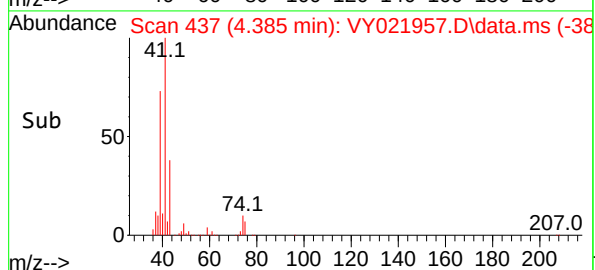
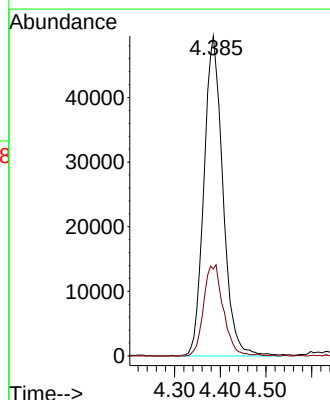
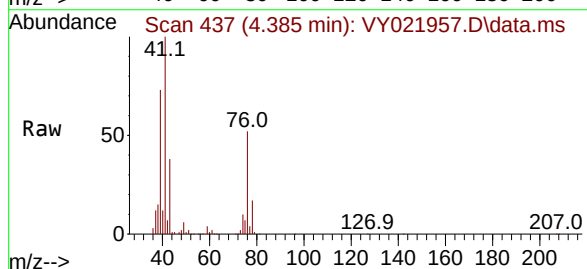
Manual Integrations
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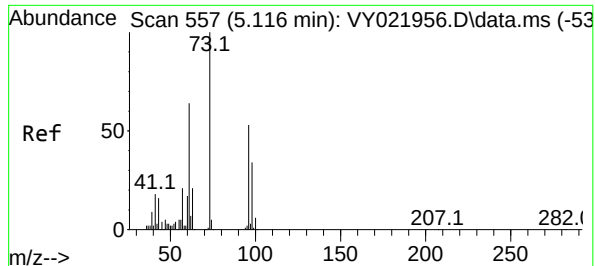
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 96.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 142939
Ion Ratio Lower Upper
43 100
74 29.5 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 102.542 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 785760

Ion Ratio Lower Upper

73 100

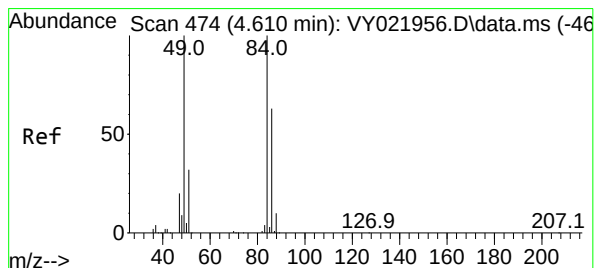
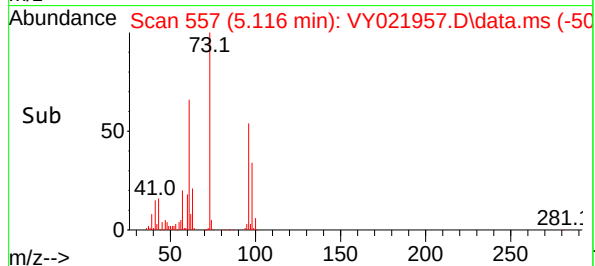
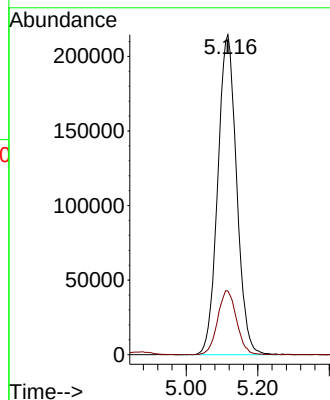
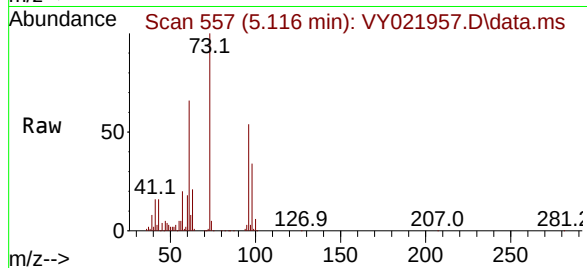
57 19.9 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#20

Methylene Chloride

Concen: 88.623 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion: 84 Resp: 356477

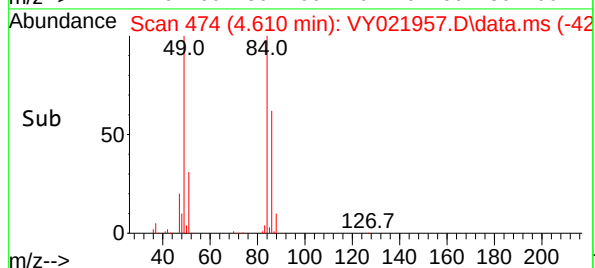
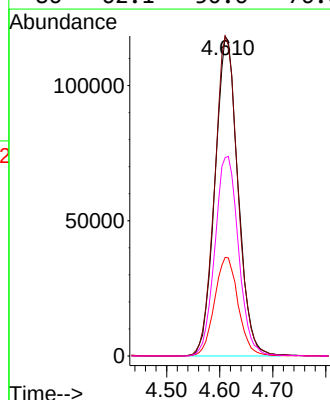
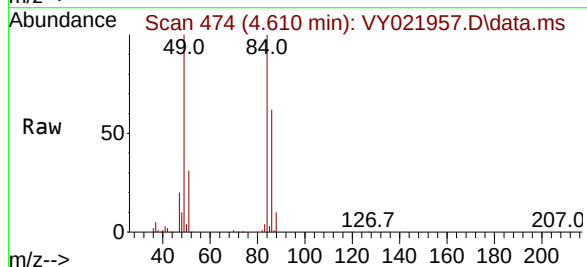
Ion Ratio Lower Upper

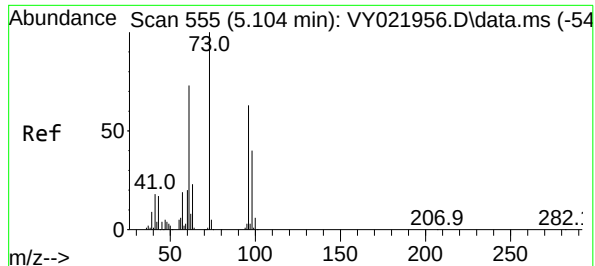
84 100

49 100.1 79.9 119.9

51 30.8 25.4 38.0

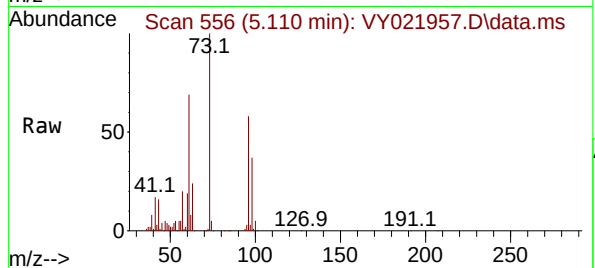
86 62.1 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 98.137 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

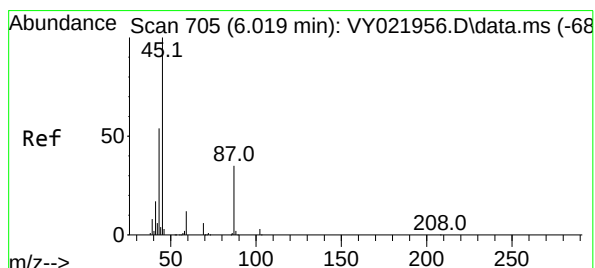
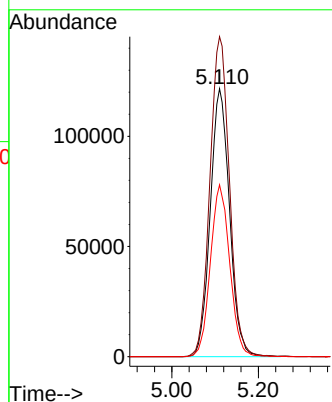
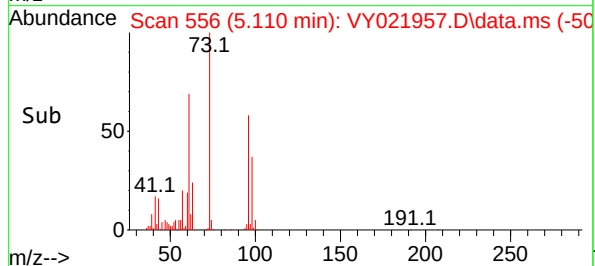
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 376278
Ion Ratio Lower Upper
96 100
61 119.4 92.6 138.8
98 64.1 50.2 75.4

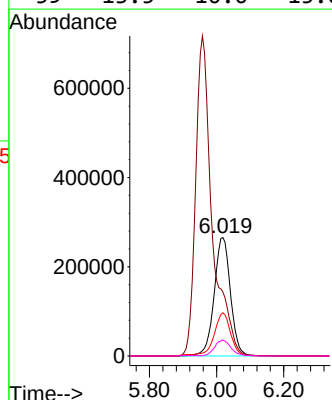
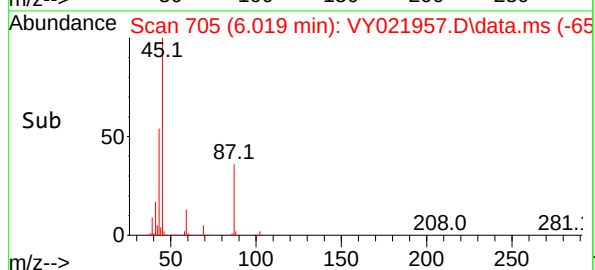
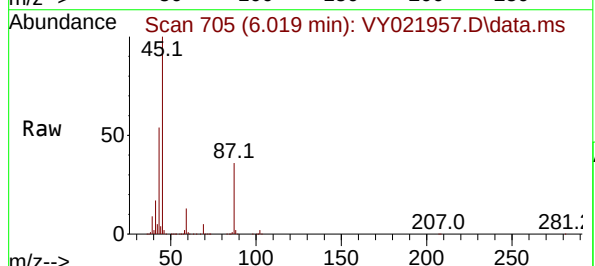
Manual Integrations
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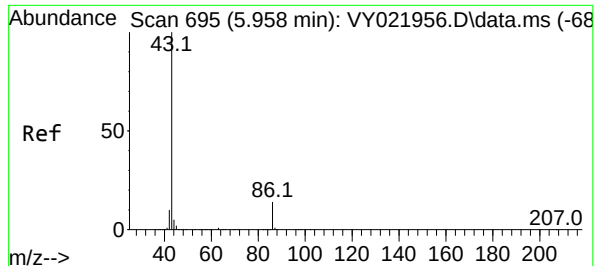
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#22
Diisopropyl ether
Concen: 100.965 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 45 Resp: 895700
Ion Ratio Lower Upper
45 100
43 53.8 43.6 65.4
87 36.5 28.2 42.4
59 13.5 10.0 15.0





#23

Vinyl Acetate

Concen: 513.679 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 245594

Ion Ratio Lower Upper

43 100

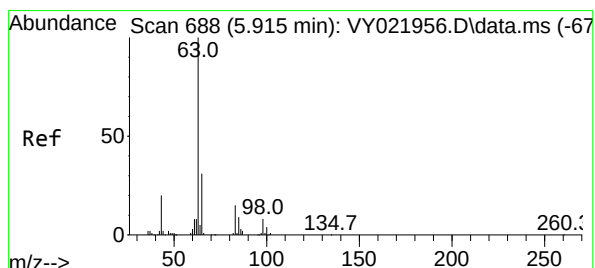
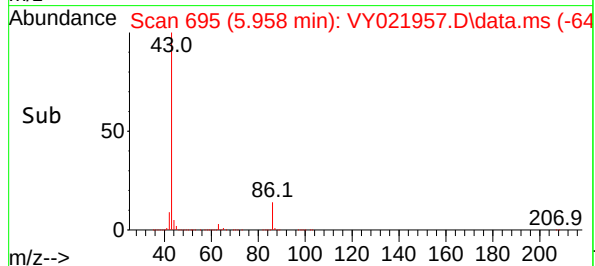
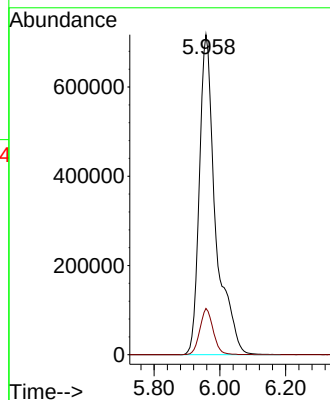
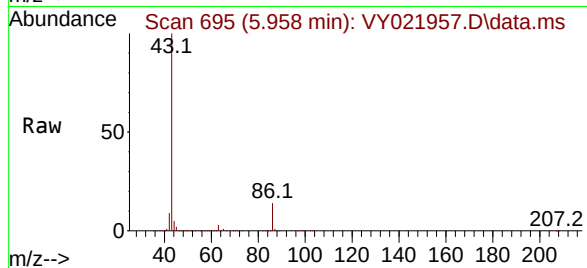
86 14.5 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 95.806 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

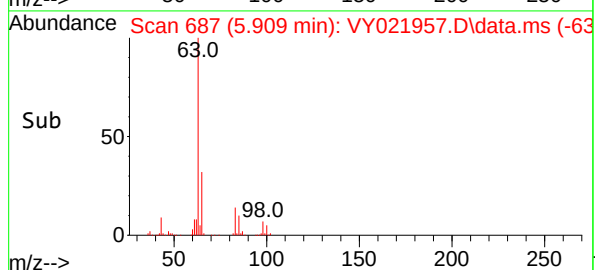
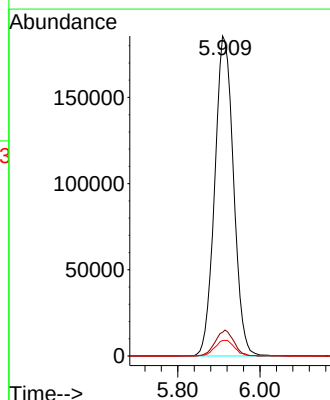
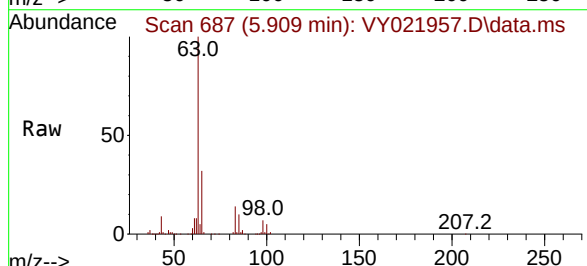
Tgt Ion: 63 Resp: 589137

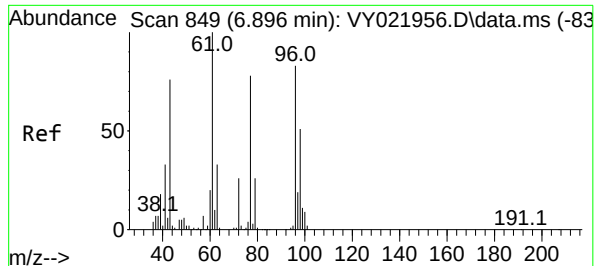
Ion Ratio Lower Upper

63 100

98 7.4 4.0 11.9

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 471.826 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 342128

Ion Ratio Lower Upper

43 100

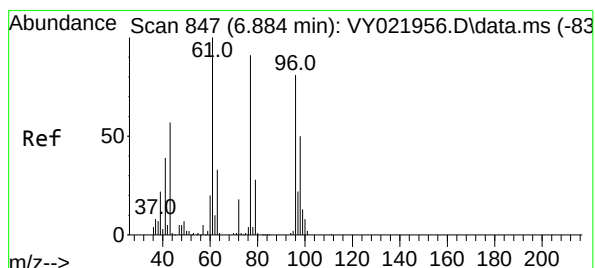
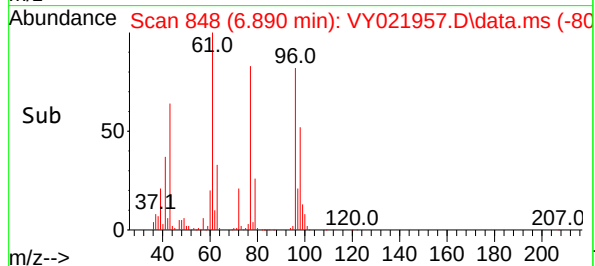
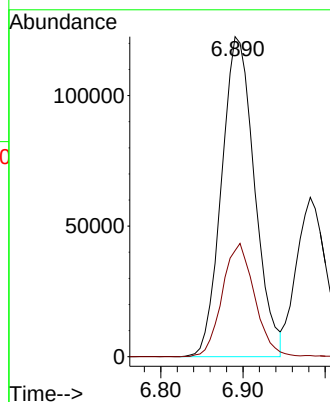
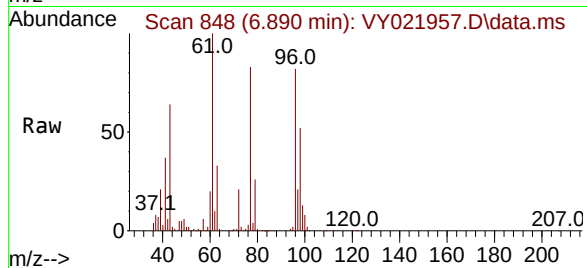
72 33.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 98.439 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021957.D

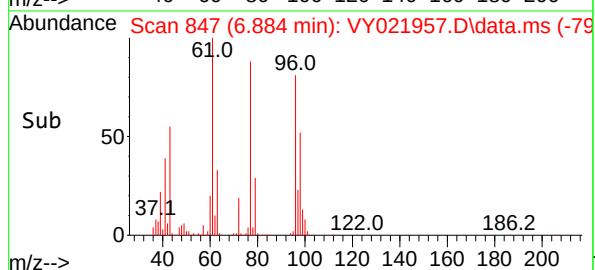
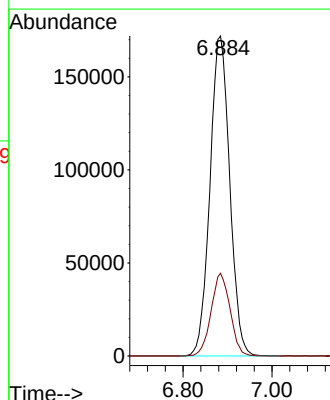
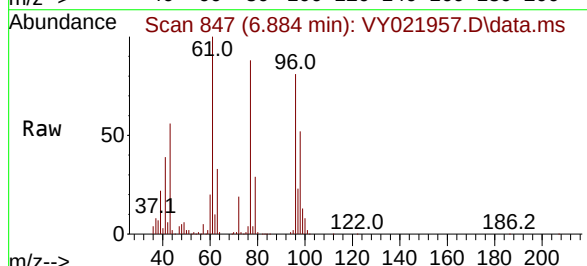
Acq: 22 Apr 2025 15:52

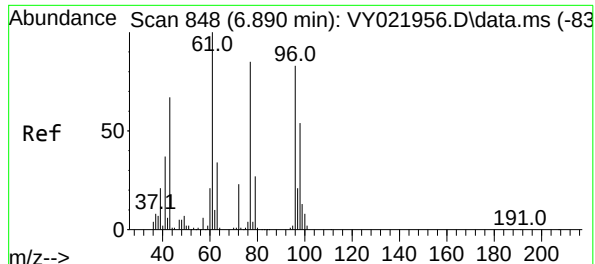
Tgt Ion: 77 Resp: 530549

Ion Ratio Lower Upper

77 100

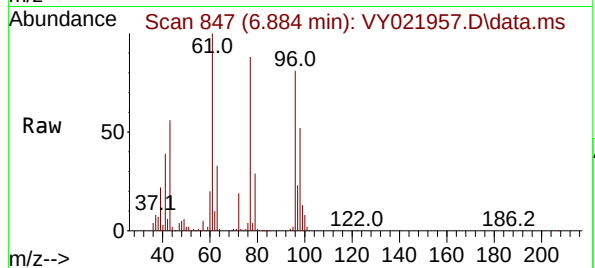
97 24.8 12.4 37.4





#27
cis-1,2-Dichloroethene
Concen: 101.743 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

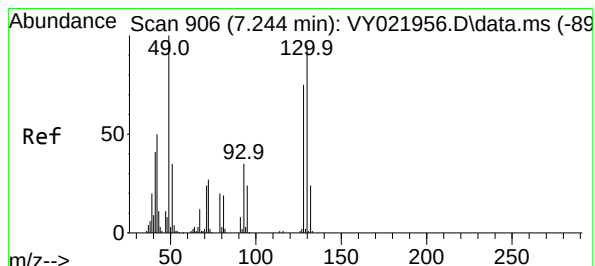
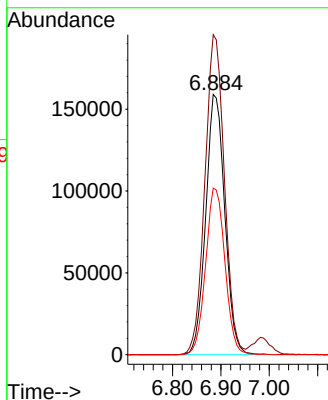
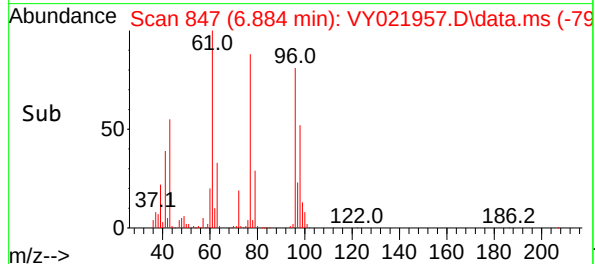
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 436190
Ion Ratio Lower Upper
96 100
61 125.5 0.0 251.4
98 64.8 0.0 128.4

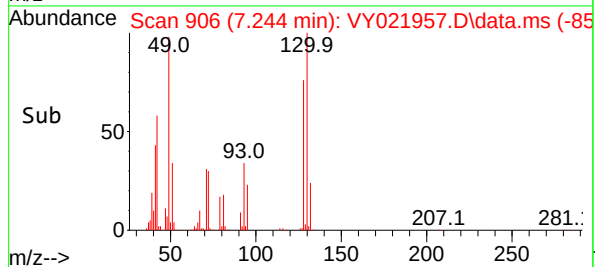
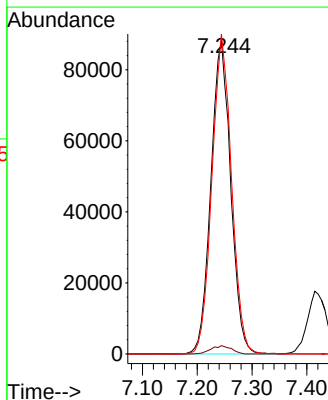
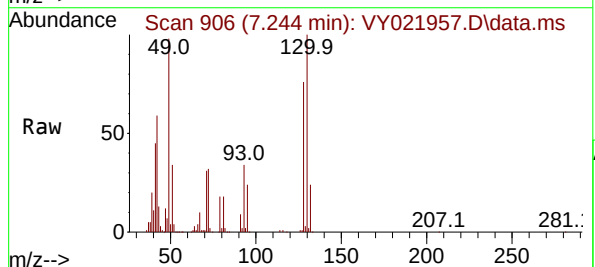
Manual Integrations
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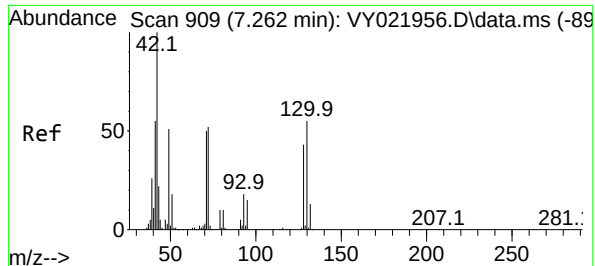
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#28
Bromochloromethane
Concen: 92.652 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 49 Resp: 221300
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.0
130 100.7 78.2 117.4





#29

Tetrahydrofuran

Concen: 485.059 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 228438

Ion Ratio Lower Upper

42 100

72 56.3 42.6 63.8

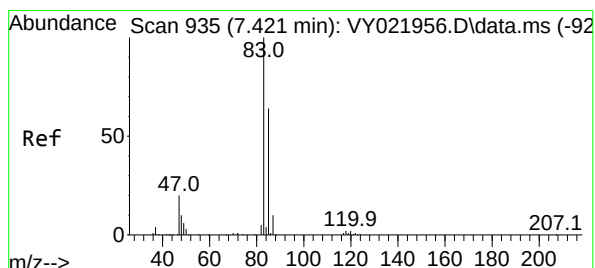
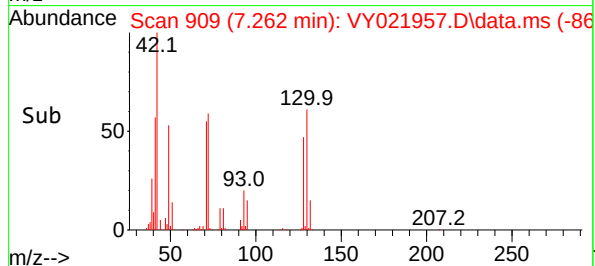
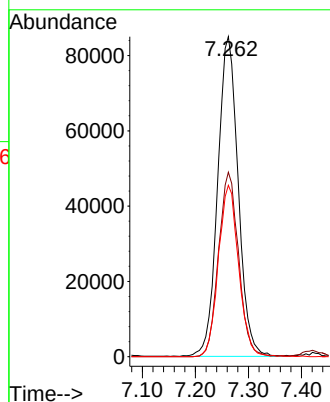
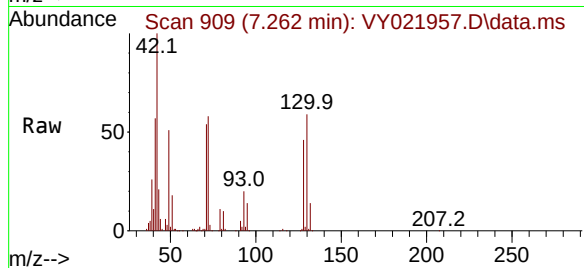
71 52.8 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 96.733 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021957.D

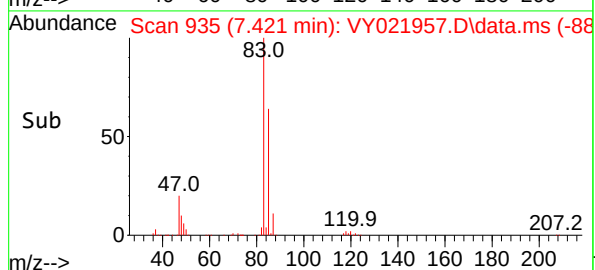
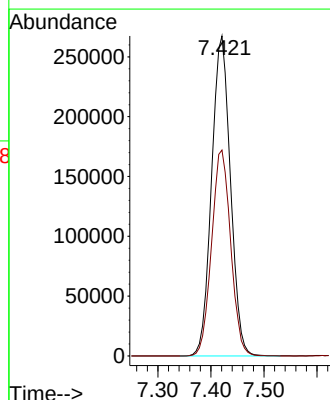
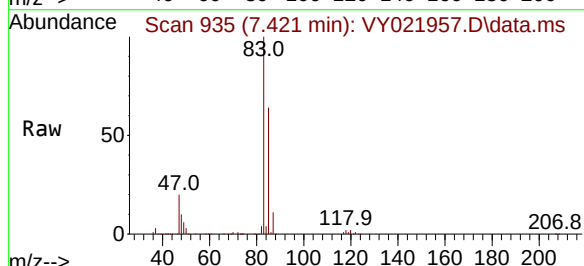
Acq: 22 Apr 2025 15:52

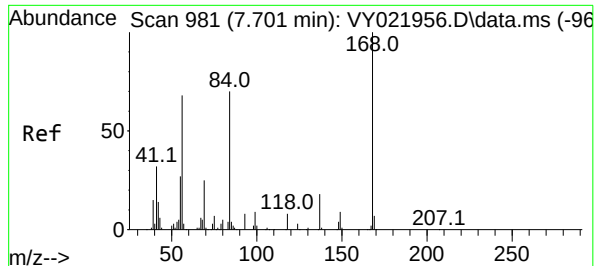
Tgt Ion: 83 Resp: 659805

Ion Ratio Lower Upper

83 100

85 64.3 51.3 76.9





#31

Cyclohexane

Concen: 95.618 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 50281

Ion Ratio Lower Upper

56 100

69 34.1 29.4 44.2

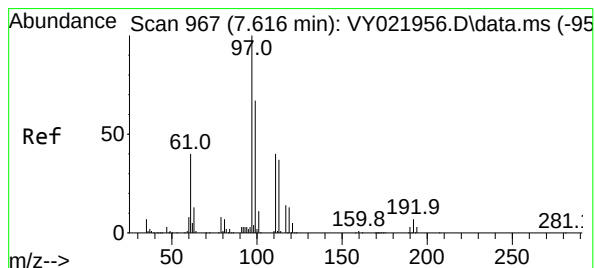
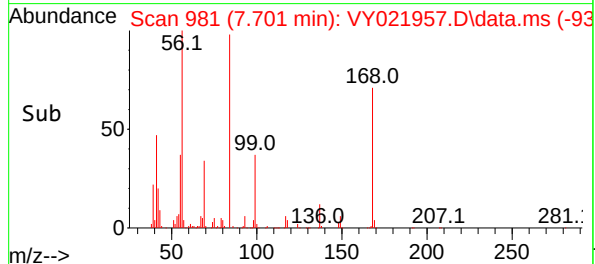
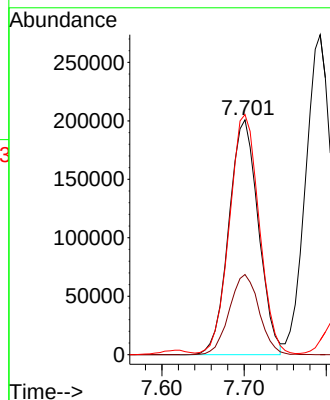
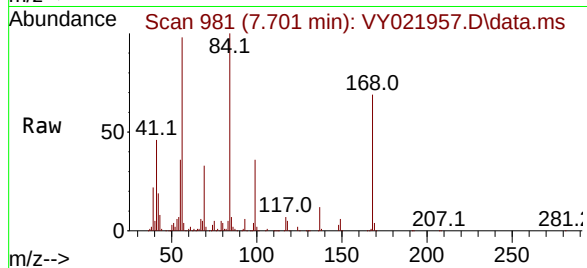
84 100.3 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 96.568 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

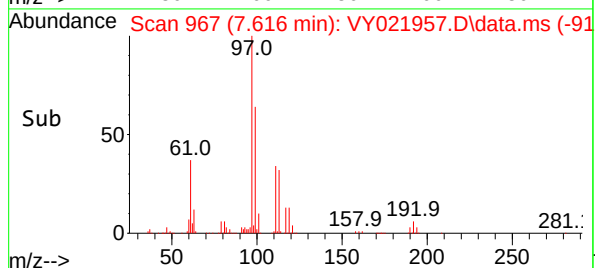
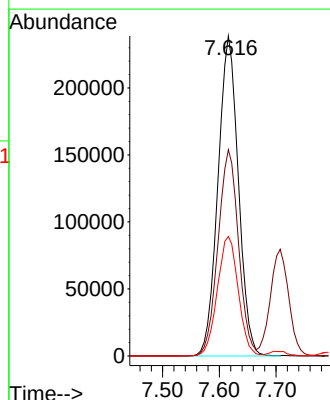
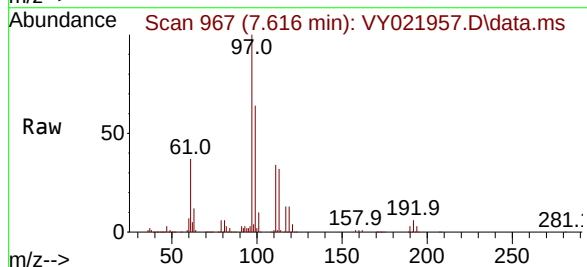
Tgt Ion: 97 Resp: 595919

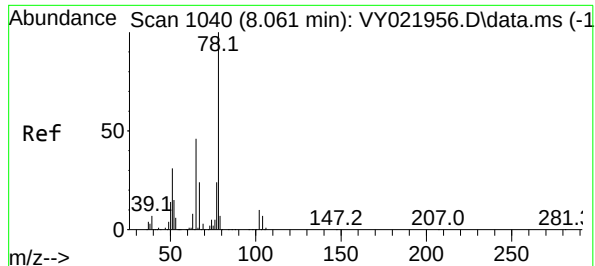
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

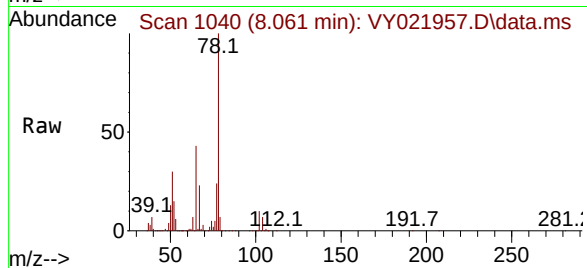
61 38.4 31.4 47.2





#33
1,2-Dichloroethane-d4
Concen: 90.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

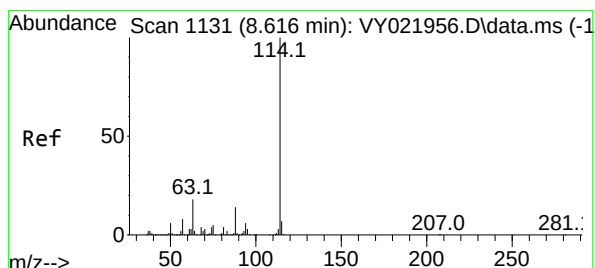
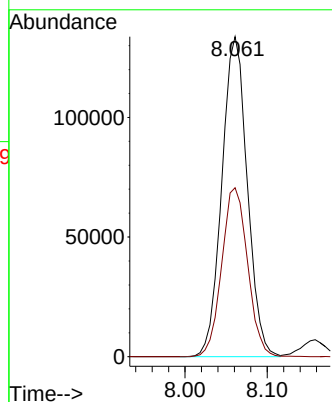
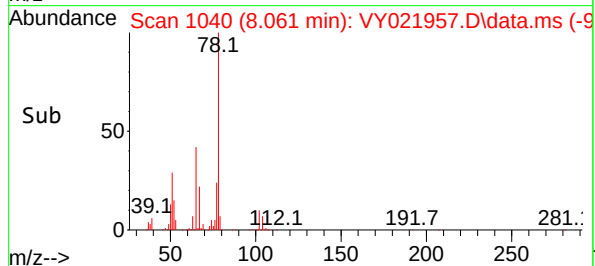
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 65 Resp: 28774
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8

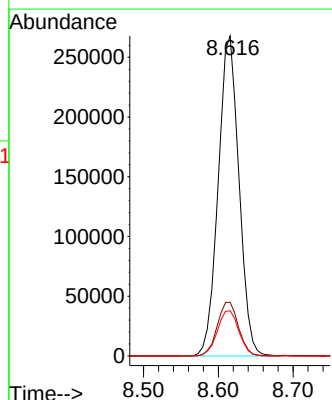
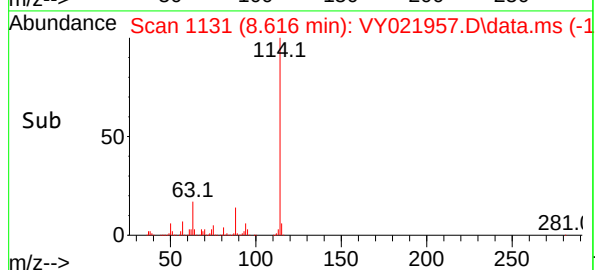
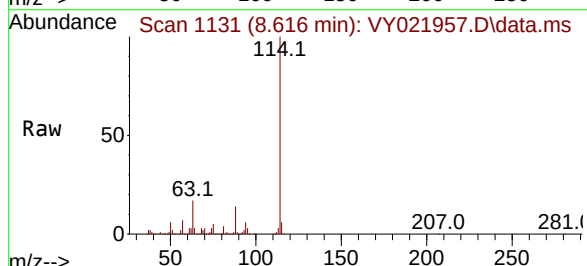
Manual Integrations
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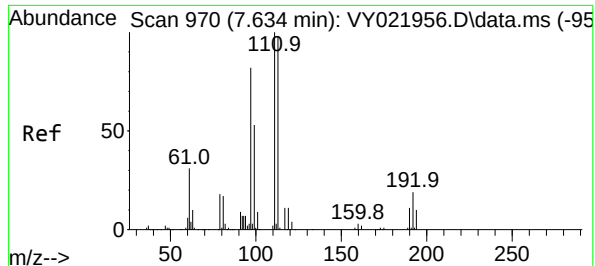
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:114 Resp: 517970
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.4
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 96.430 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 32998

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

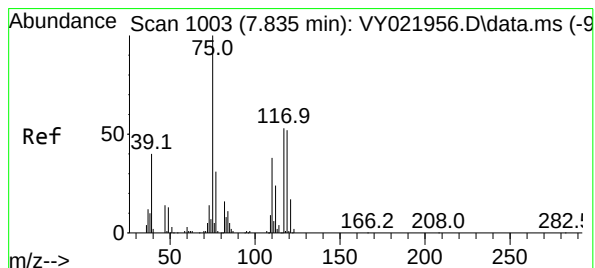
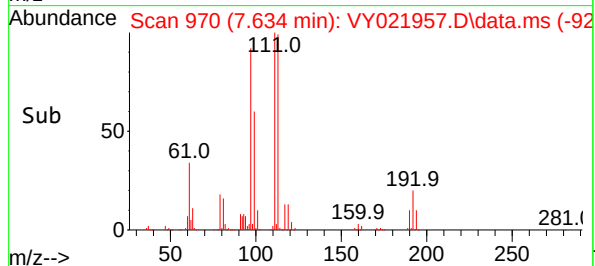
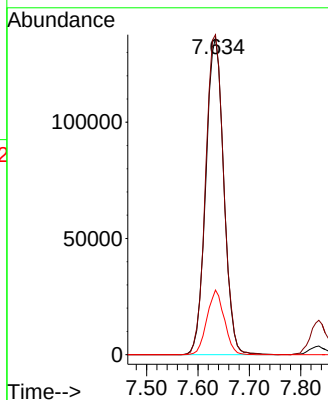
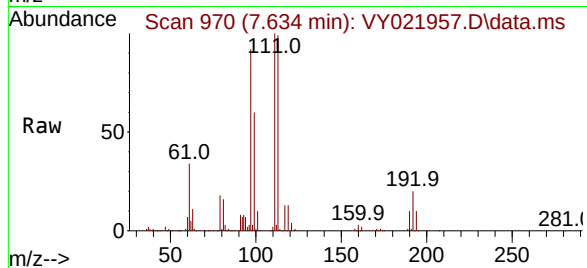
192 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 101.471 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

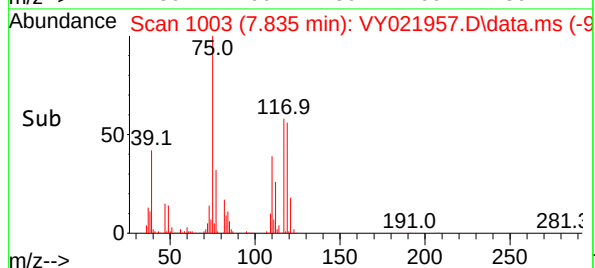
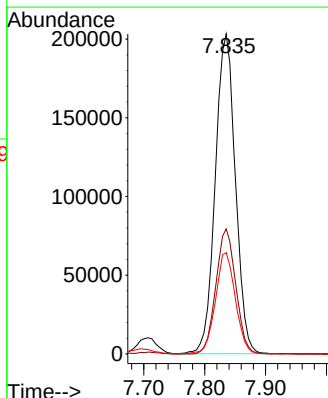
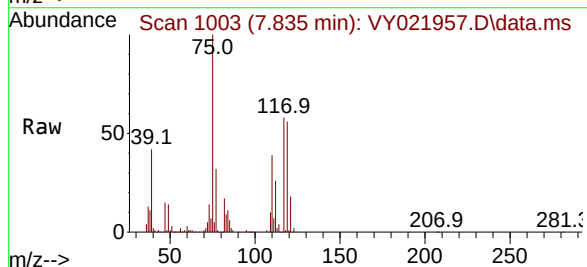
Tgt Ion: 75 Resp: 466424

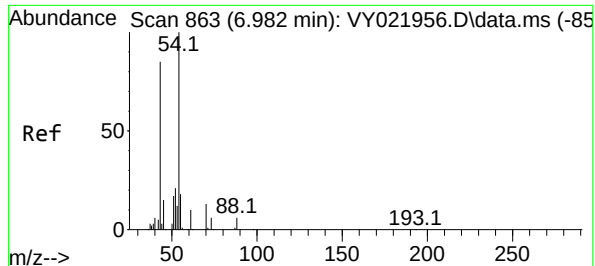
Ion Ratio Lower Upper

75 100

110 38.6 19.1 57.3

77 31.5 25.5 38.3





#37

Ethyl Acetate

Concen: 97.530 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 158840

Ion Ratio Lower Upper

43 100

61 16.9 13.8 20.6

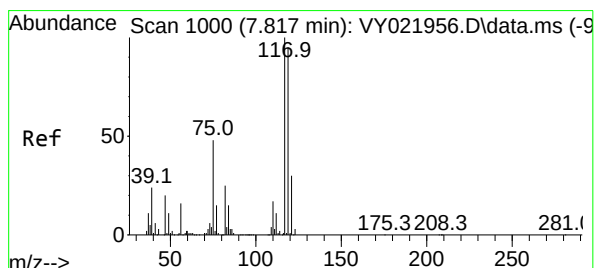
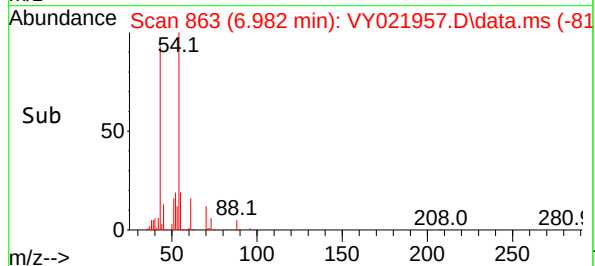
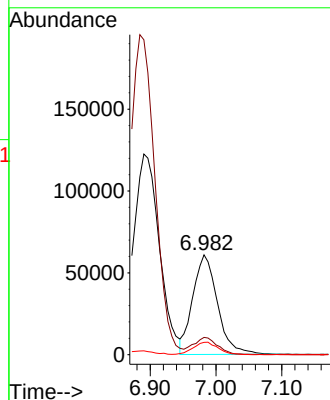
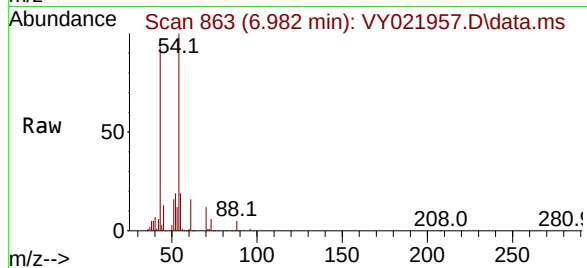
70 12.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 100.983 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

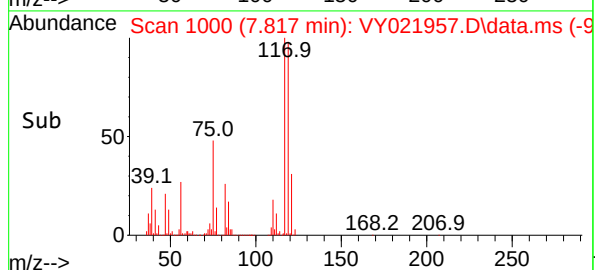
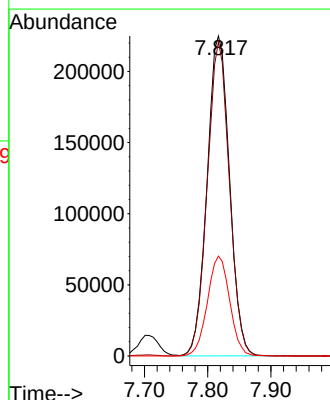
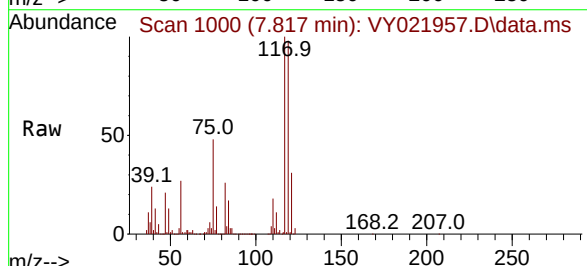
Tgt Ion:117 Resp: 554665

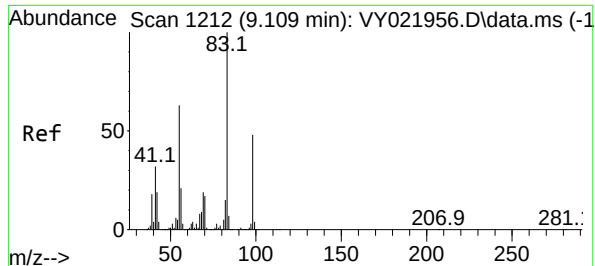
Ion Ratio Lower Upper

117 100

119 98.2 76.2 114.4

121 31.2 24.0 36.0





#39

Methylcyclohexane

Concen: 107.388 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 621199

Ion Ratio Lower Upper

83 100

55 63.7 50.6 75.8

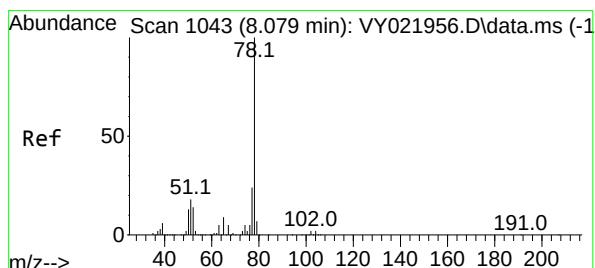
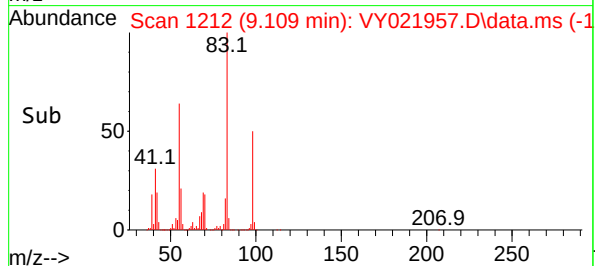
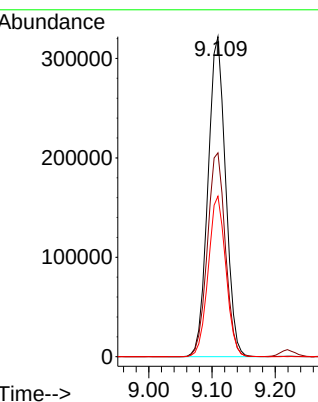
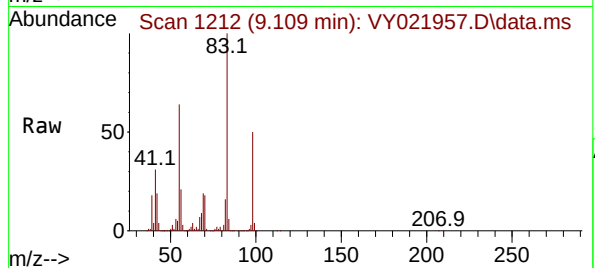
98 50.2 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 102.038 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021957.D

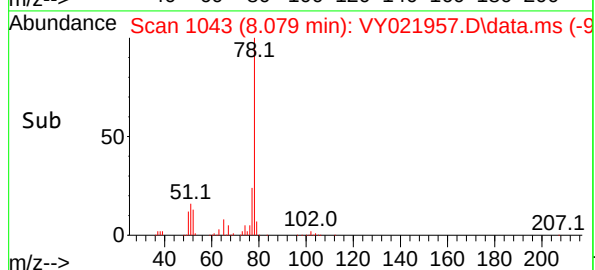
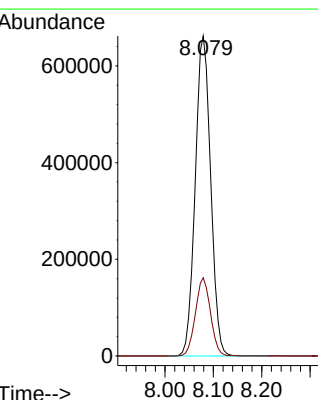
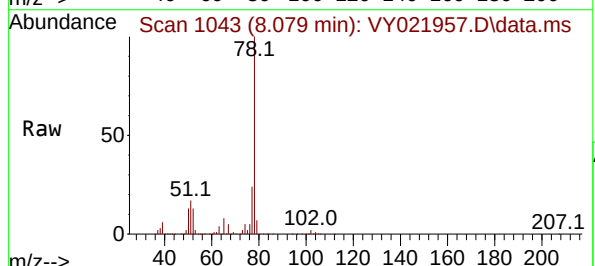
Acq: 22 Apr 2025 15:52

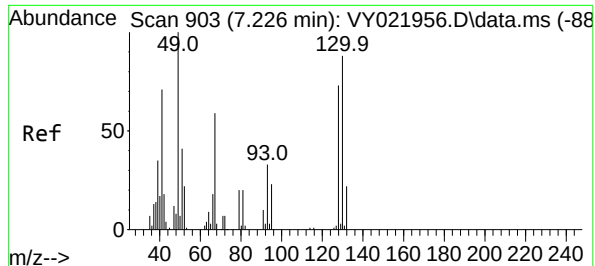
Tgt Ion: 78 Resp: 1466182

Ion Ratio Lower Upper

78 100

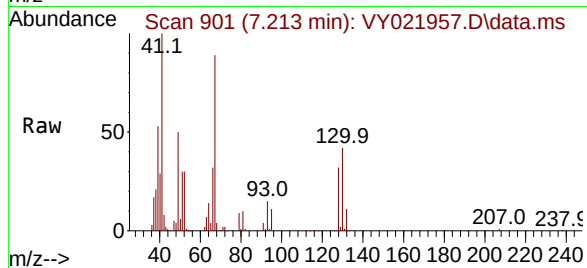
77 24.4 19.3 28.9





#41
Methacrylonitrile
Concen: 93.624 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.012 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

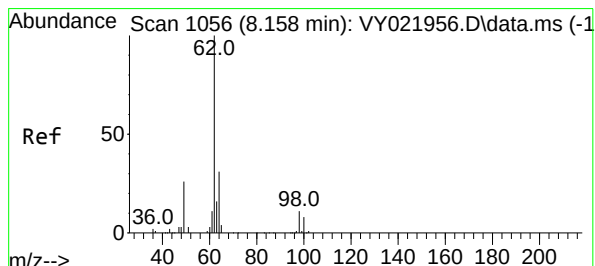
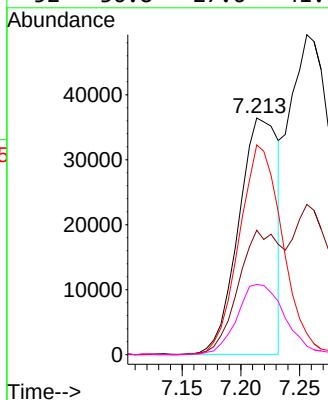
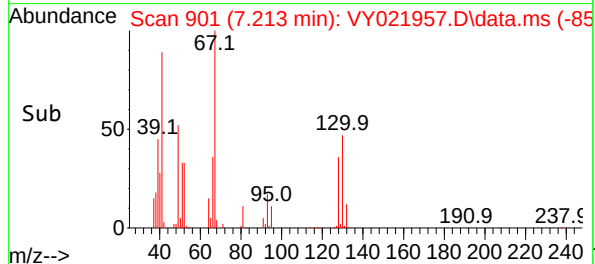
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 84524
Ion Ratio Lower Upper
41 100
39 59.6 36.6 55.0
67 99.3 72.2 108.4
52 36.8 27.6 41.4

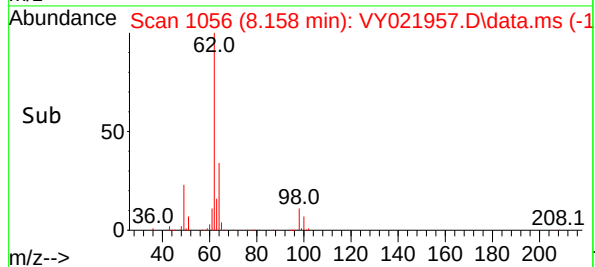
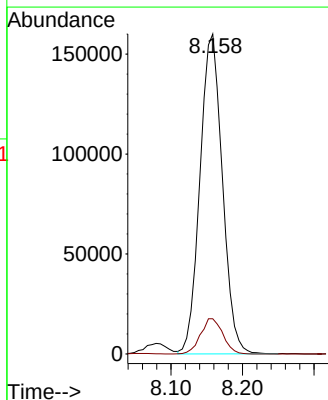
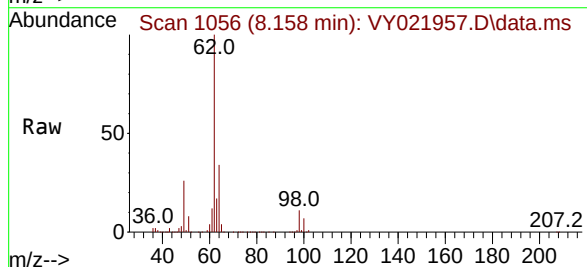
Manual Integrations
APPROVED

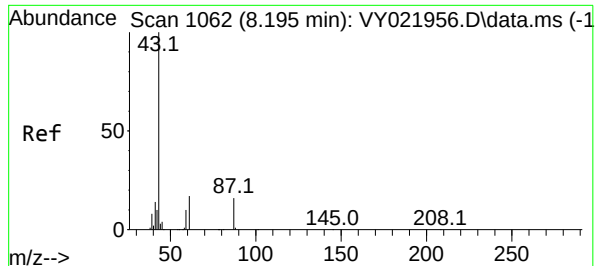
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 97.908 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 348314
Ion Ratio Lower Upper
62 100
98 10.9 0.0 22.0





#43

Isopropyl Acetate

Concen: 100.828 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 31966

Ion Ratio Lower Upper

43 100

61 24.6 18.9 28.3

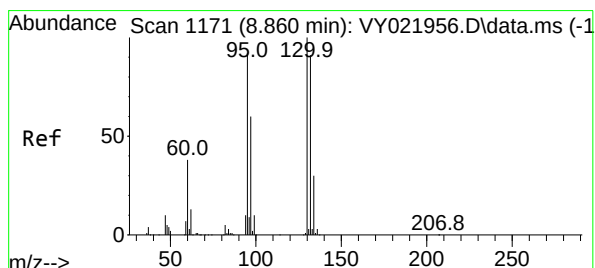
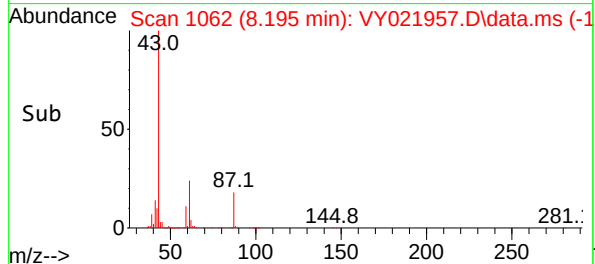
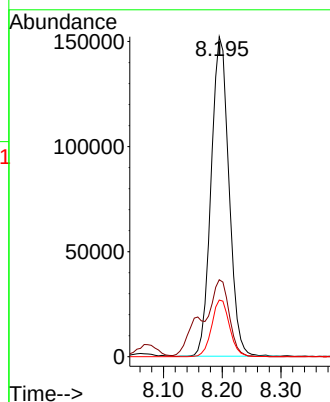
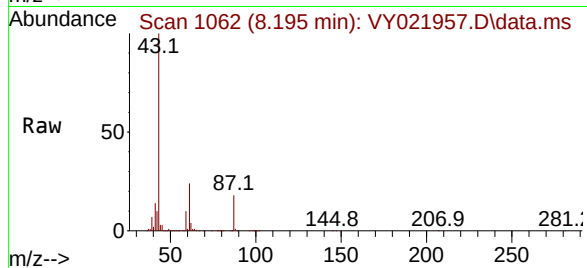
87 17.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

Concen: 100.789 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY021957.D

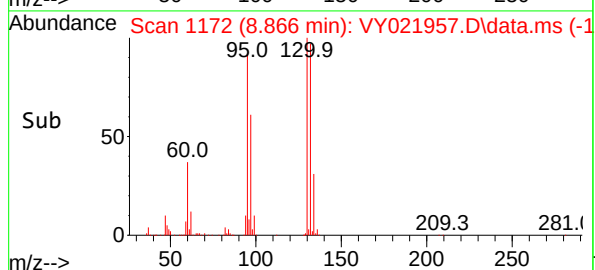
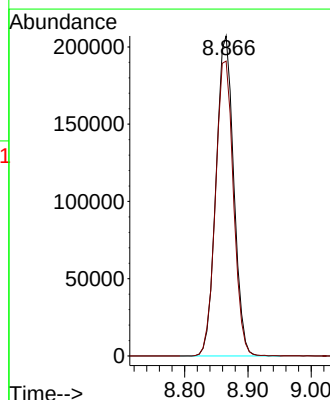
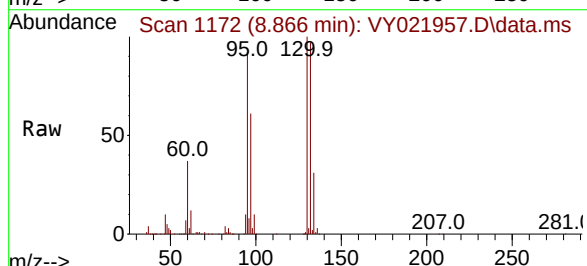
Acq: 22 Apr 2025 15:52

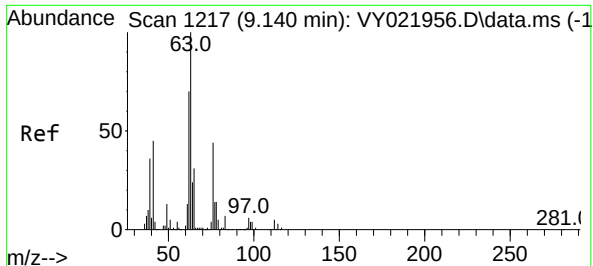
Tgt Ion:130 Resp: 401139

Ion Ratio Lower Upper

130 100

95 92.2 0.0 183.2





#45

1,2-Dichloropropane

Concen: 100.279 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 31864

Ion Ratio Lower Upper

63 100

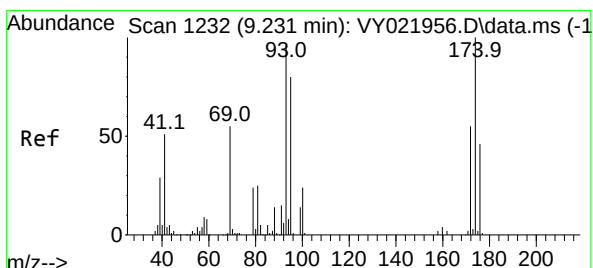
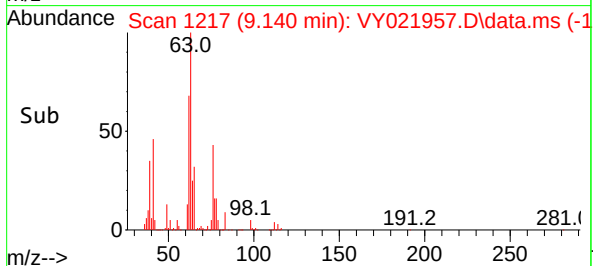
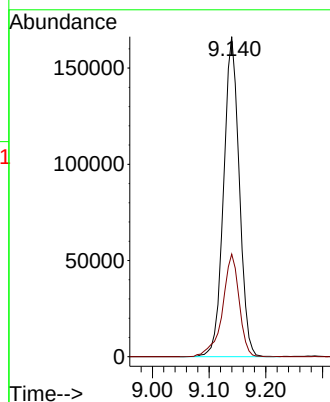
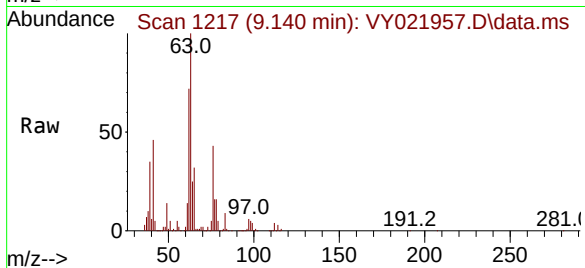
65 32.0 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 99.293 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

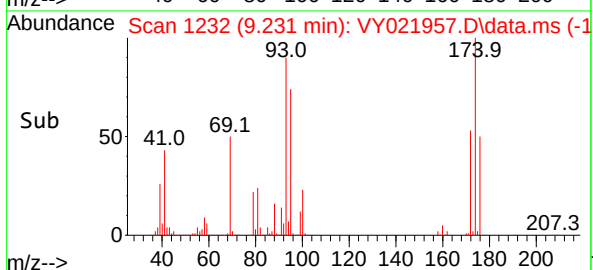
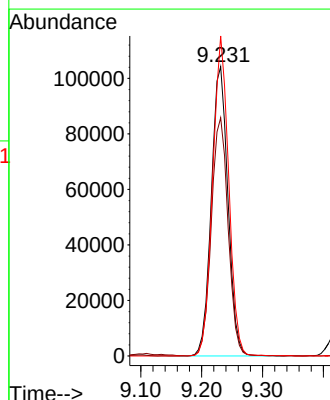
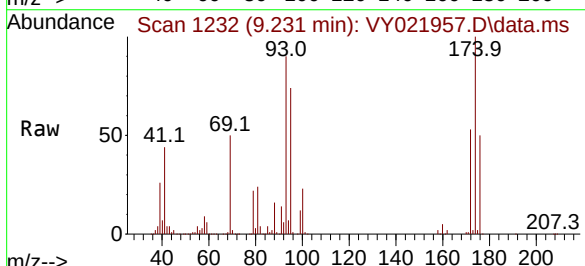
Tgt Ion: 93 Resp: 197509

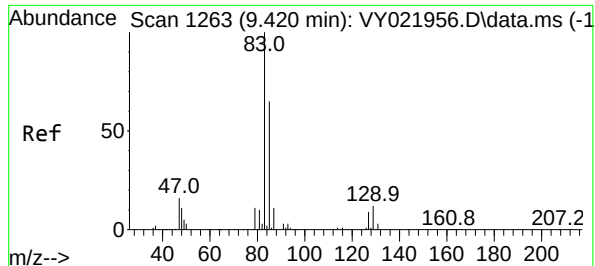
Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

174 106.6 84.6 127.0





#47

Bromodichloromethane

Concen: 102.188 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

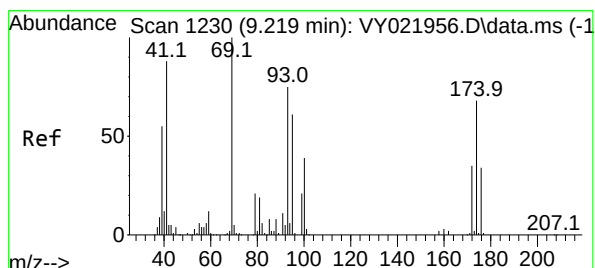
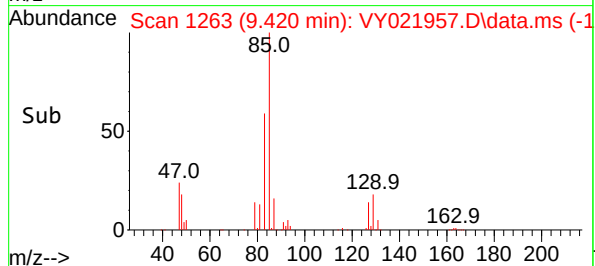
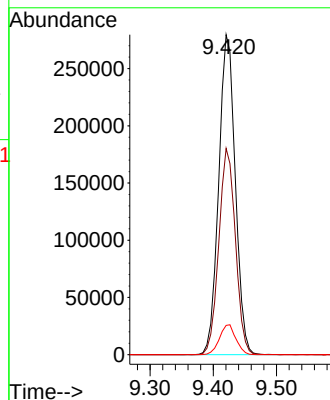
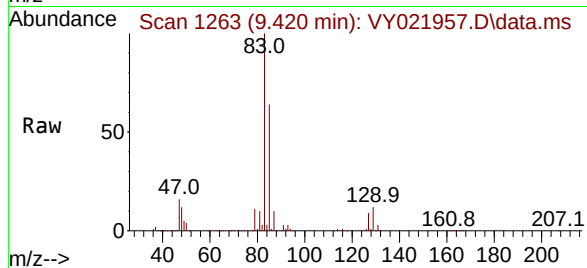
VSTDIC100

Tgt Ion:	83	Resp:	50779
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.2	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48

Methyl methacrylate

Concen: 106.117 ug/l

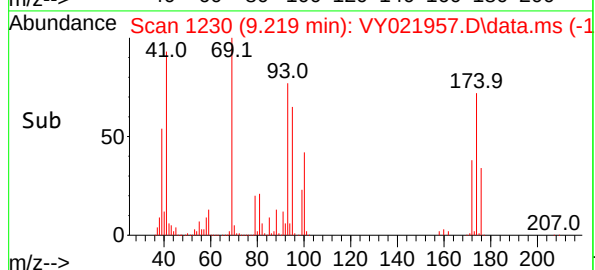
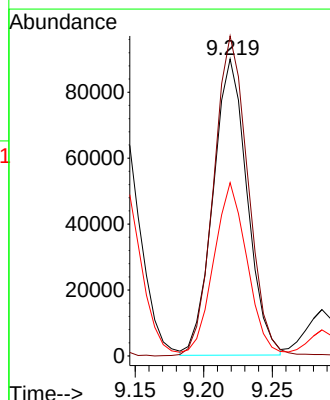
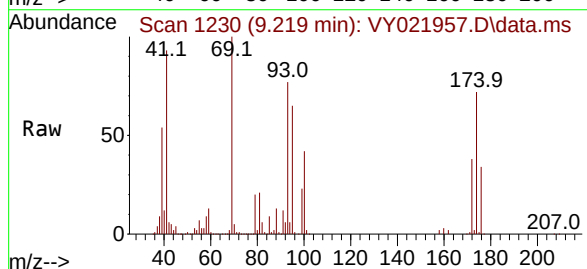
RT: 9.219 min Scan# 1230

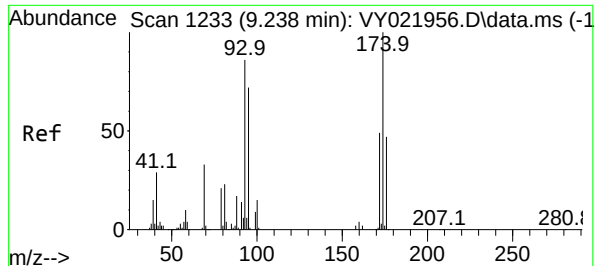
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion:	41	Resp:	155528
Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	55.1	46.2	69.4





#49

1,4-Dioxane

Concen: 2036.490 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

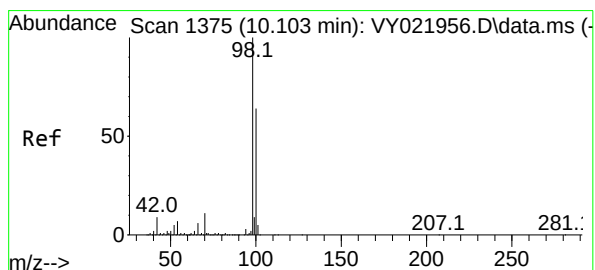
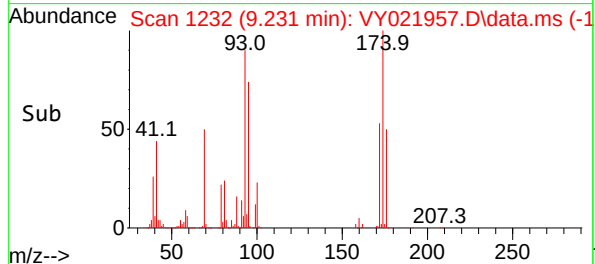
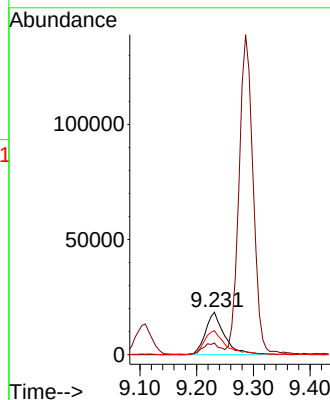
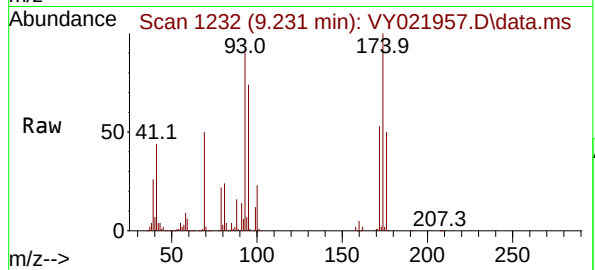
VSTDICC100

Tgt Ion:	88	Resp:	43170
Ion	Ratio	Lower	Upper
88	100		
43	24.3	21.3	31.9
58	62.9	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 99.860 ug/l

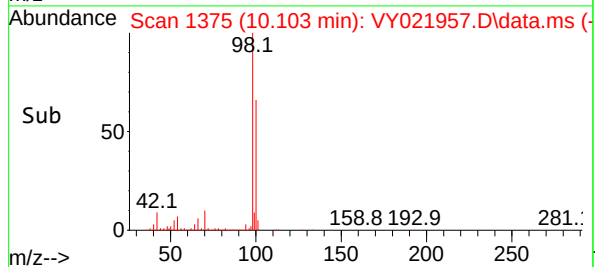
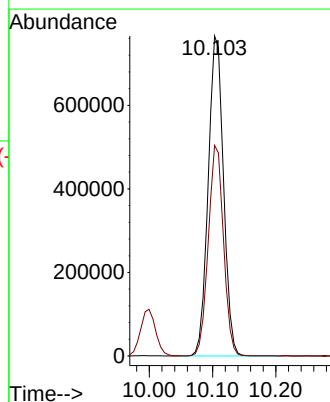
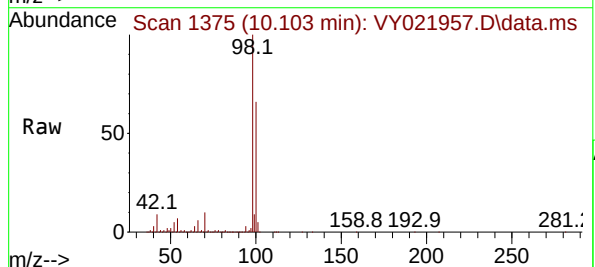
RT: 10.103 min Scan# 1375

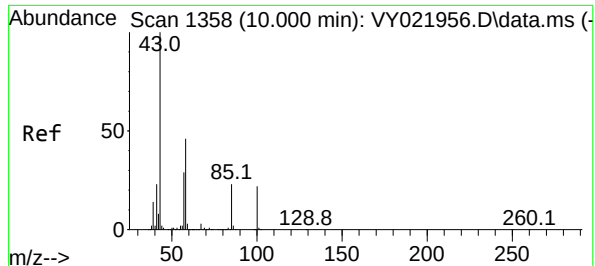
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

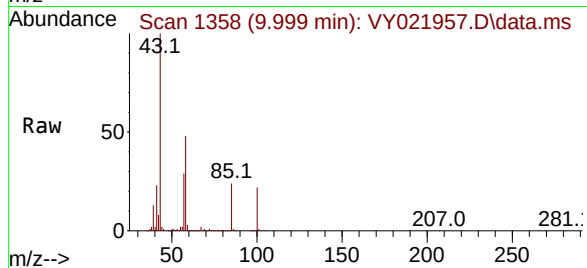
Tgt Ion:	98	Resp:	1288287
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 517.403 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

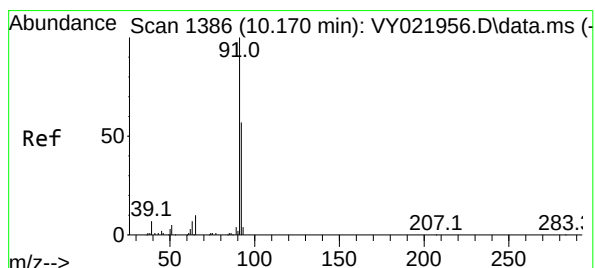
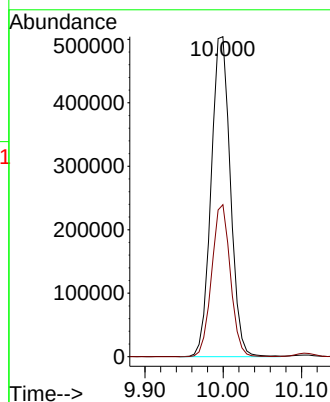
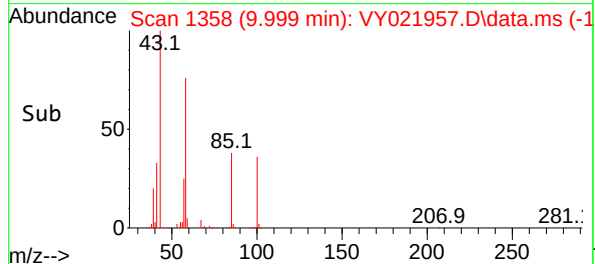
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 859904
Ion Ratio Lower Upper
43 100
58 46.3 36.6 55.0

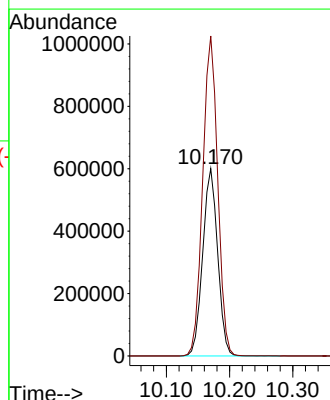
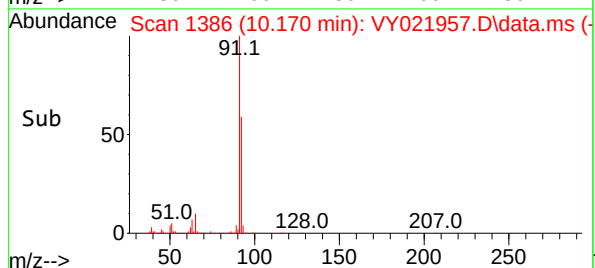
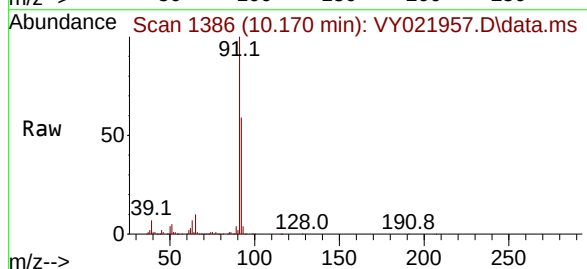
Manual Integrations
APPROVED

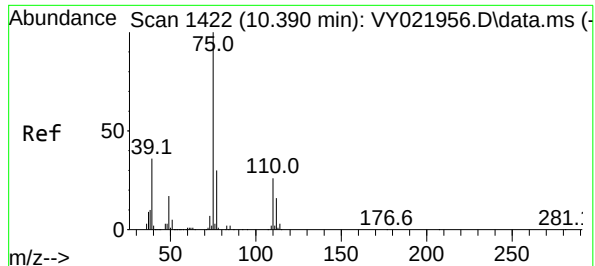
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 106.068 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 92 Resp: 986553
Ion Ratio Lower Upper
92 100
91 171.9 138.6 207.8





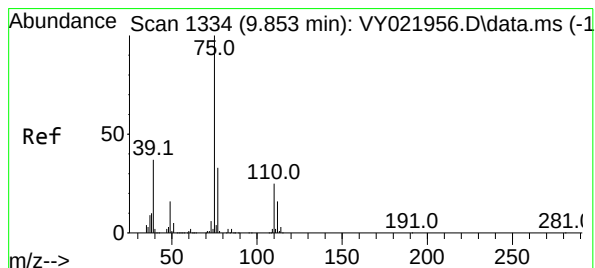
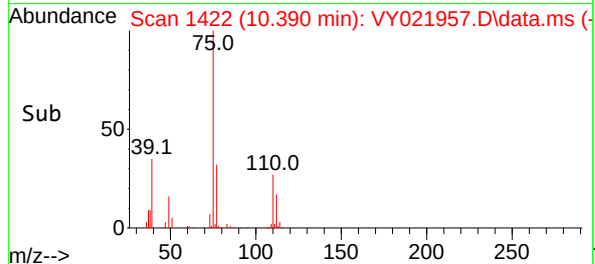
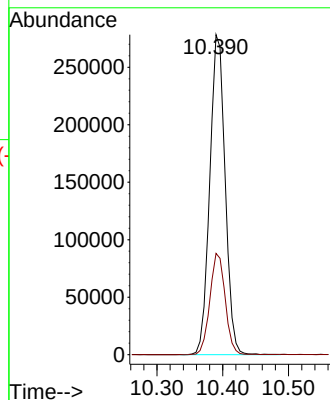
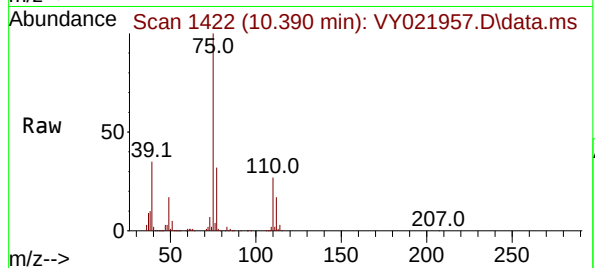
#53
t-1,3-Dichloropropene
Concen: 106.213 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 452714
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0

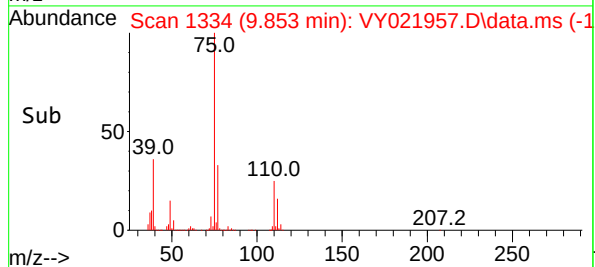
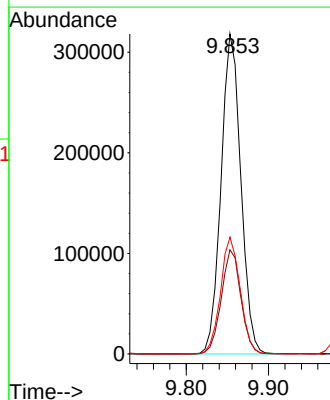
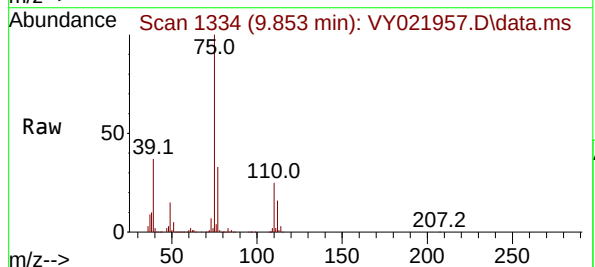
Manual Integrations
APPROVED

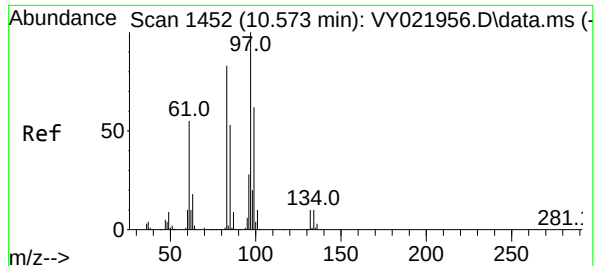
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 105.017 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

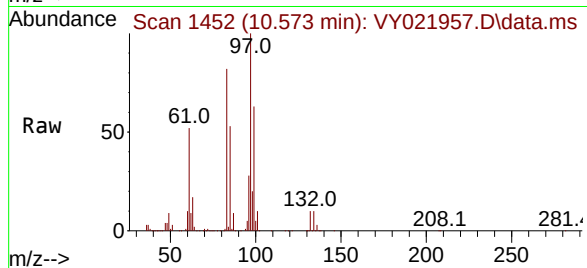
Tgt Ion: 75 Resp: 532092
Ion Ratio Lower Upper
75 100
77 32.5 26.6 40.0
39 36.5 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 100.667 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

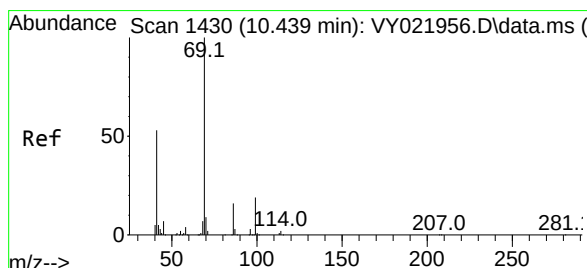
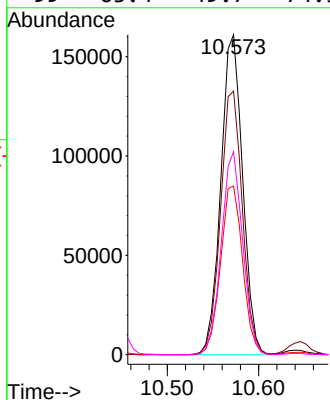
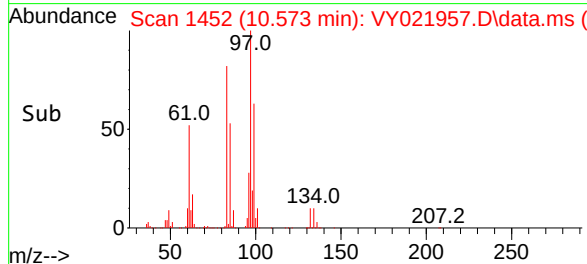
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 26747
Ion Ratio Lower Upper
97 100
83 82.4 66.7 100.1
85 52.7 42.6 64.0
99 63.4 49.7 74.5

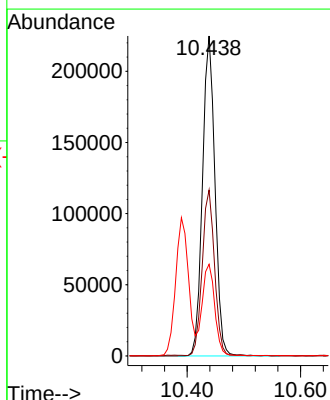
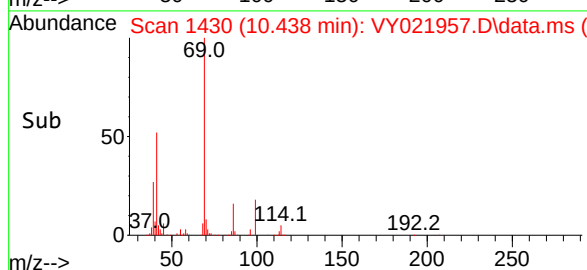
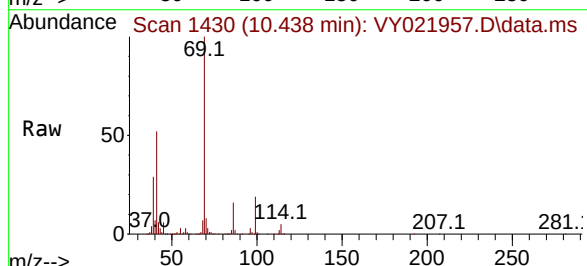
Manual Integrations
APPROVED

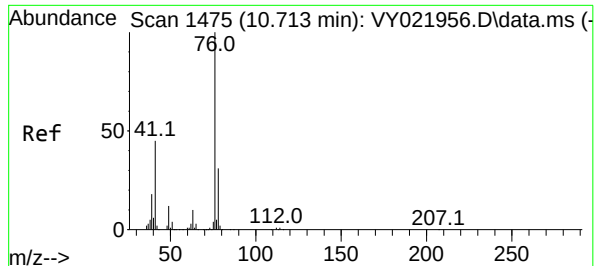
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 113.068 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

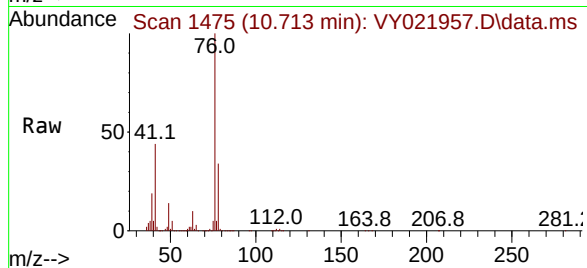
Tgt Ion: 69 Resp: 343556
Ion Ratio Lower Upper
69 100
41 51.2 40.7 61.1
39 28.9 23.3 34.9





#57
1,3-Dichloropropane
Concen: 101.498 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

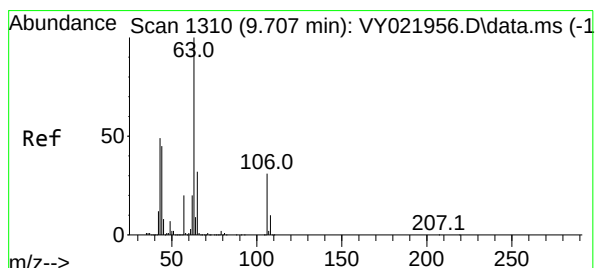
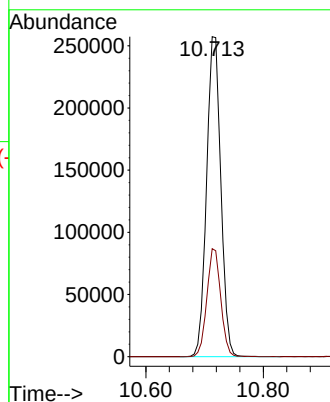
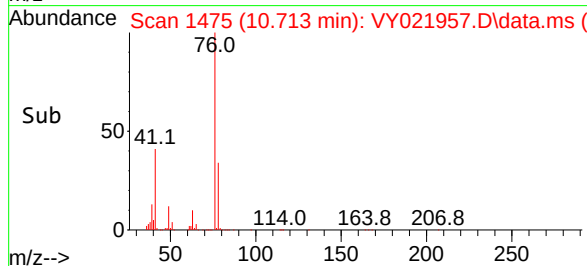
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 76 Resp: 432340
Ion Ratio Lower Upper
76 100
78 33.0 26.6 39.8

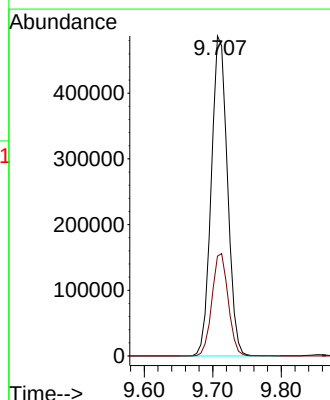
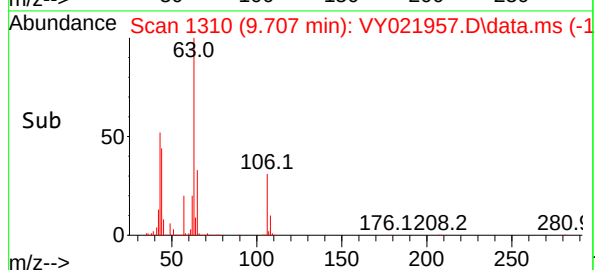
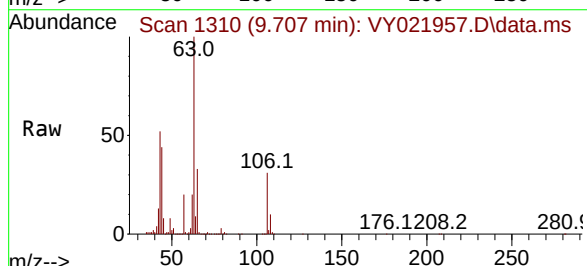
Manual Integrations
APPROVED

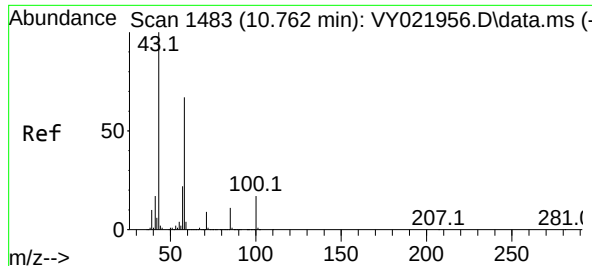
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 536.469 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

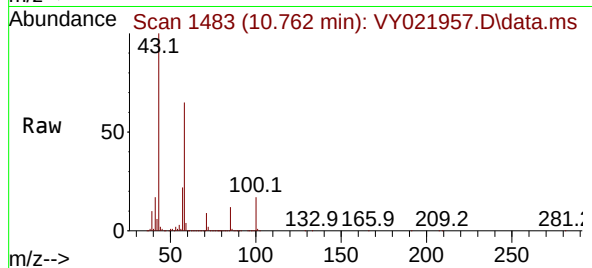
Tgt Ion: 63 Resp: 796991
Ion Ratio Lower Upper
63 100
106 32.1 25.3 37.9





#59
2-Hexanone
Concen: 523.558 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

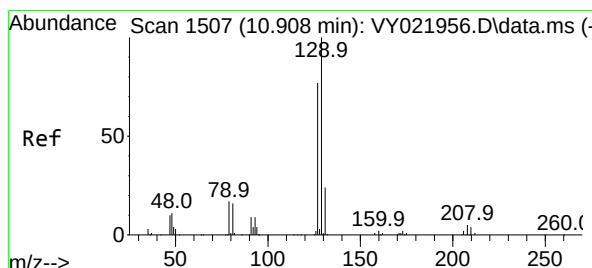
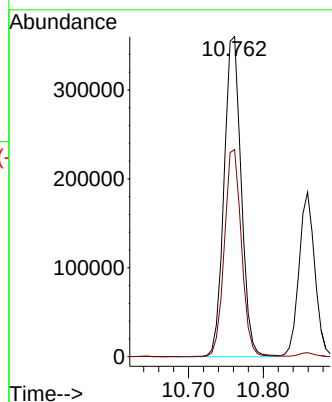
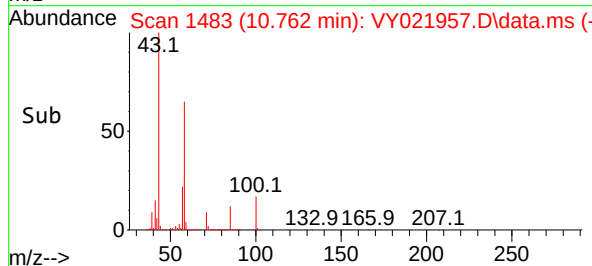
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 573925
Ion Ratio Lower Upper
43 100
58 64.5 32.0 96.0

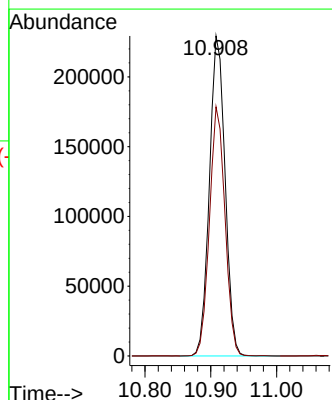
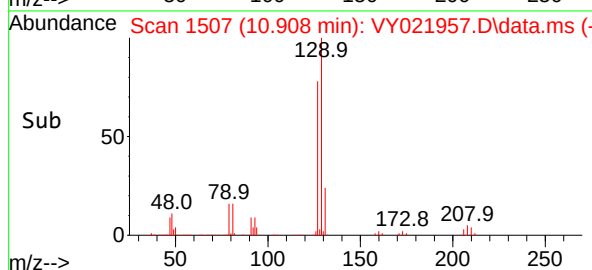
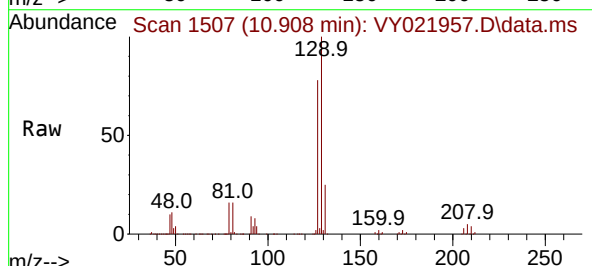
Manual Integrations
APPROVED

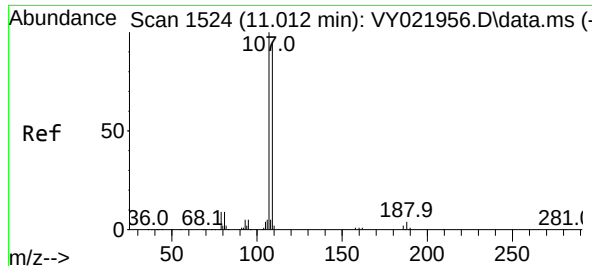
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 103.302 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

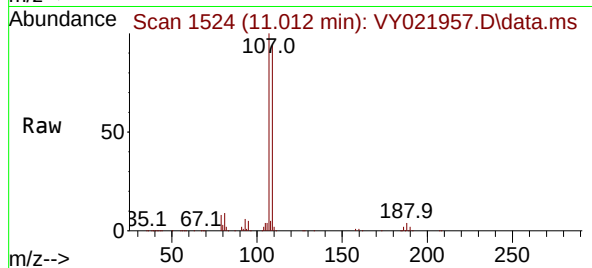
Tgt Ion:129 Resp: 380014
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61
1,2-Dibromoethane
Concen: 102.087 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

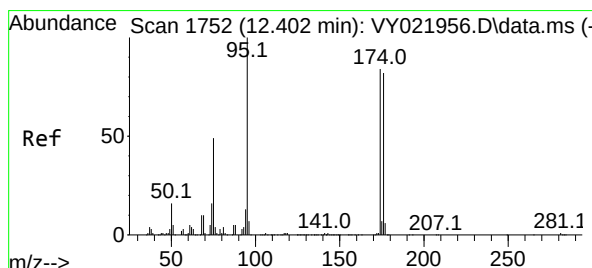
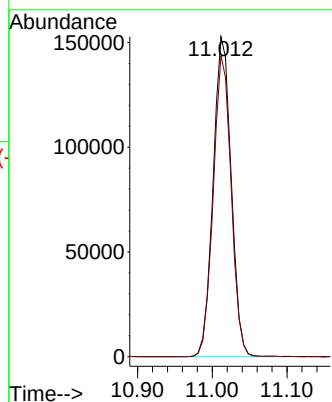
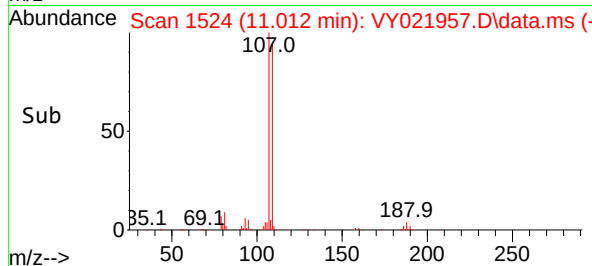
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:107 Resp: 256079
Ion Ratio Lower Upper
107 100
109 93.3 75.8 113.8

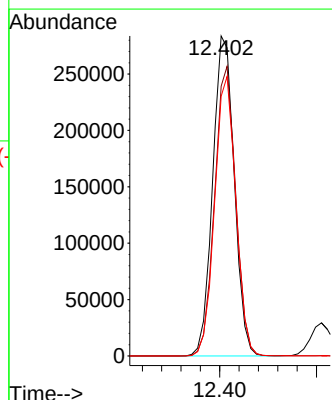
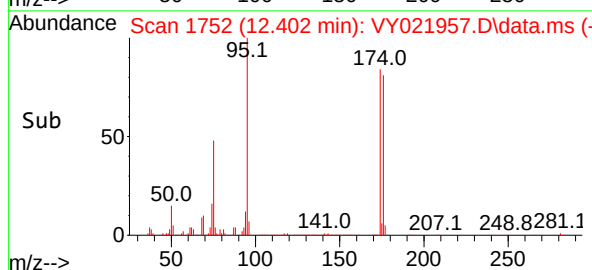
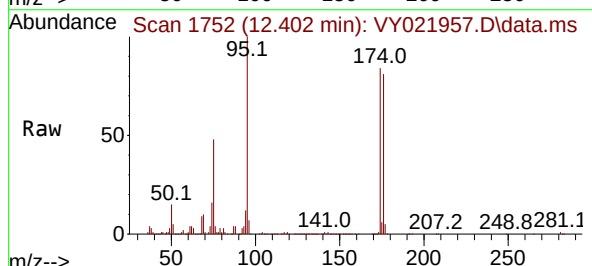
Manual Integrations
APPROVED

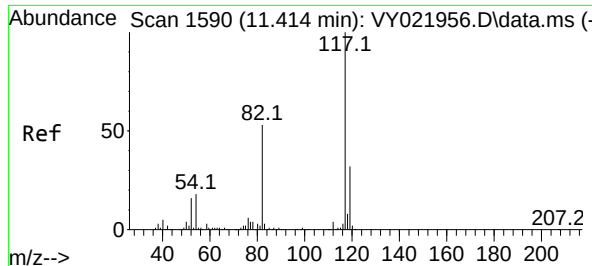
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 100.832 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

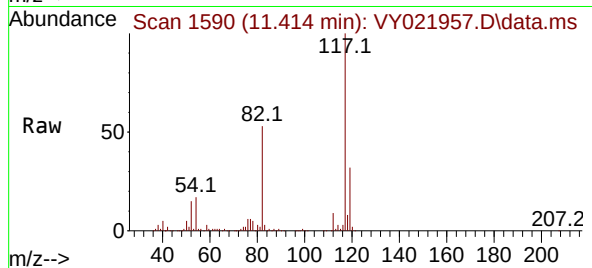
Tgt Ion: 95 Resp: 437911
Ion Ratio Lower Upper
95 100
174 88.8 0.0 179.0
176 85.8 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

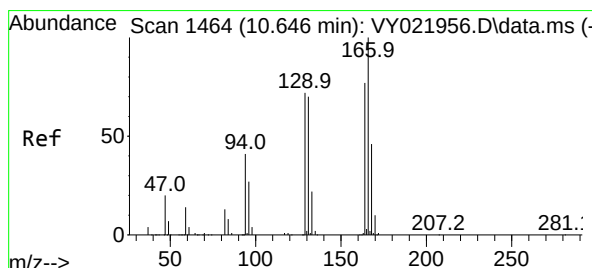
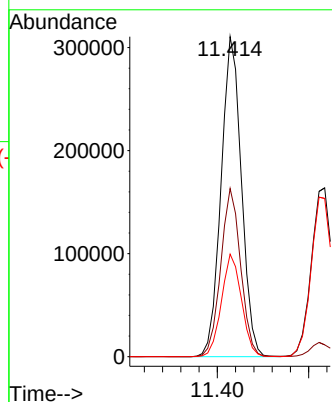
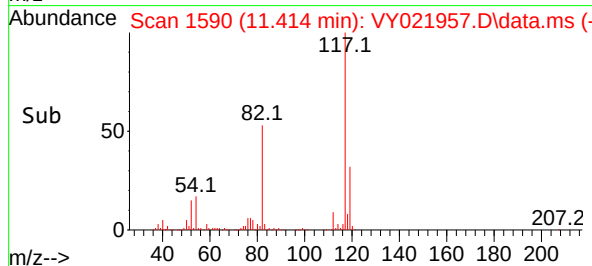
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:117 Resp: 479774
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.1 25.7 38.5

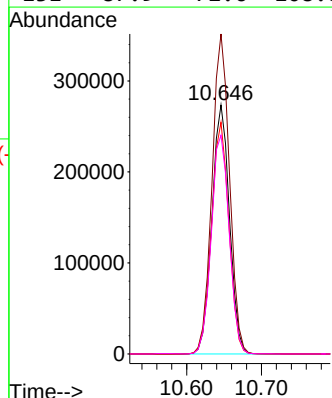
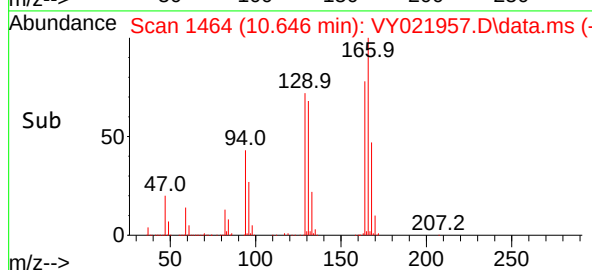
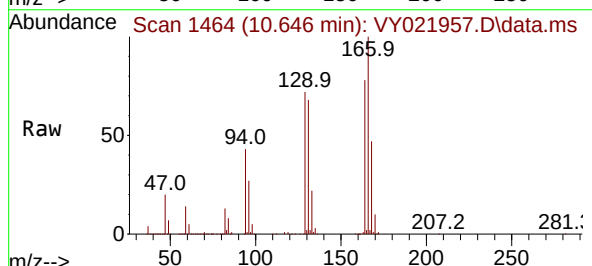
Manual Integrations
APPROVED

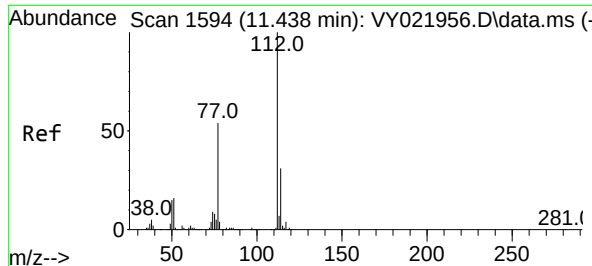
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 98.761 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

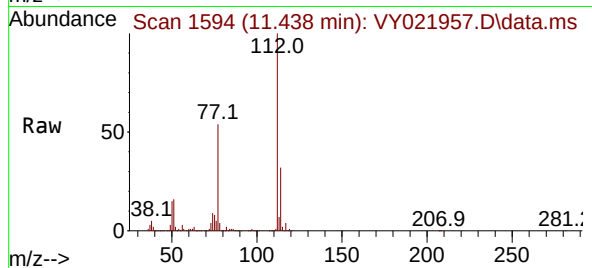
Tgt Ion:164 Resp: 446995
Ion Ratio Lower Upper
164 100
166 128.5 103.6 155.4
129 93.1 74.2 111.4
131 87.9 72.6 108.8





#65
Chlorobenzene
Concen: 101.831 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

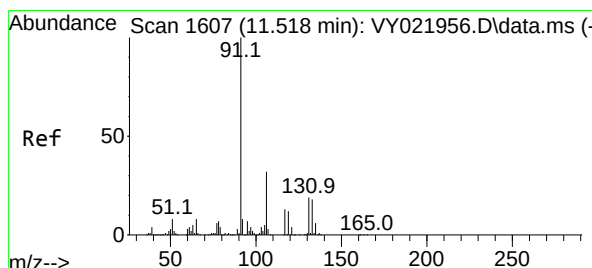
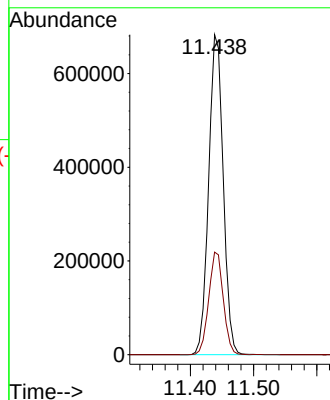
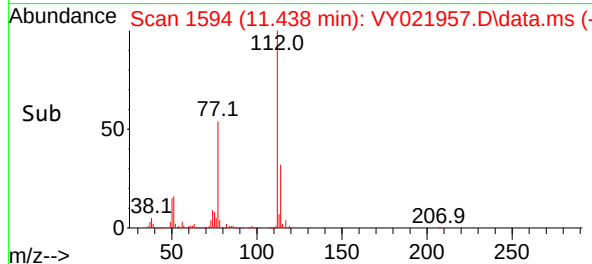
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 109254
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

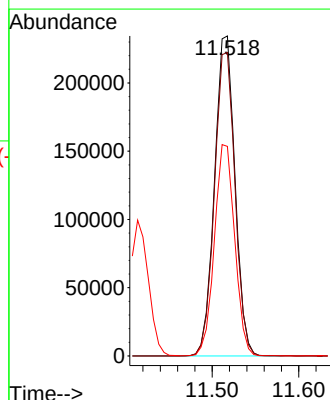
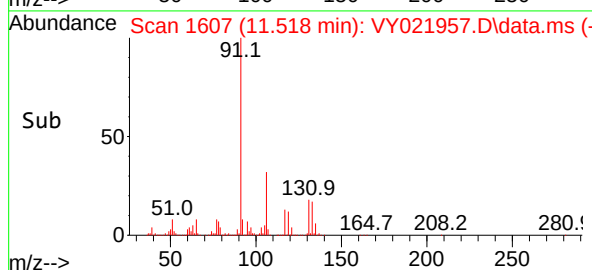
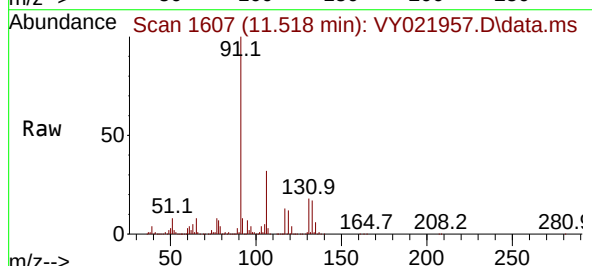
Manual Integrations
APPROVED

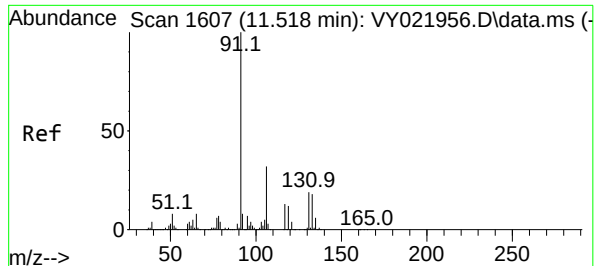
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 101.907 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

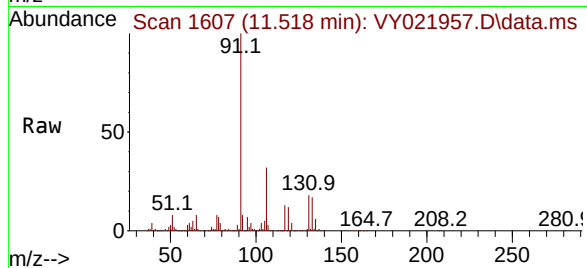
Tgt Ion:131 Resp: 384924
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 65.6 32.4 97.0





#67
Ethyl Benzene
Concen: 108.806 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

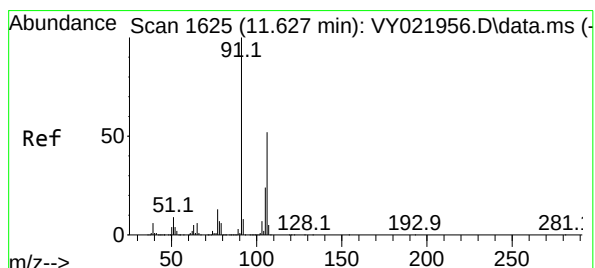
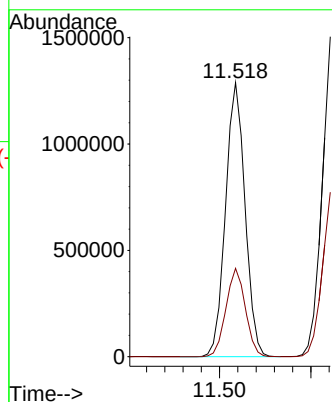
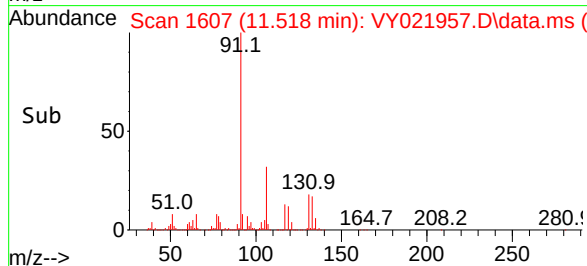
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



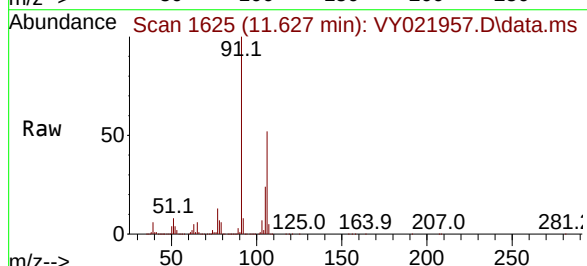
Tgt Ion: 91 Resp: 1909638
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9

Manual Integrations
APPROVED

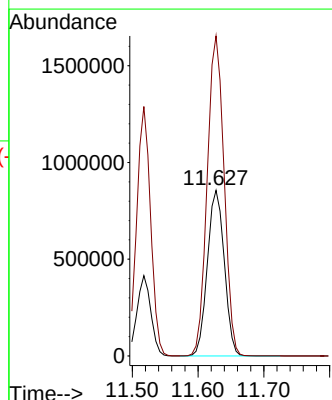
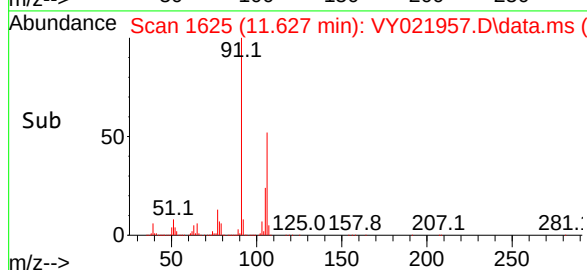
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

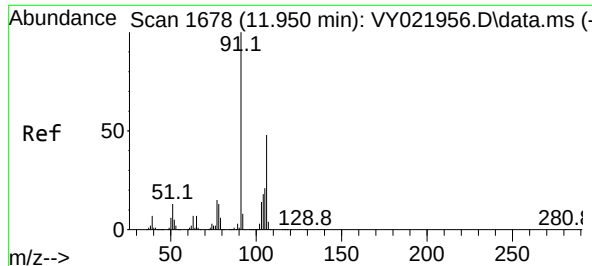


#68
m/p-Xylenes
Concen: 218.926 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



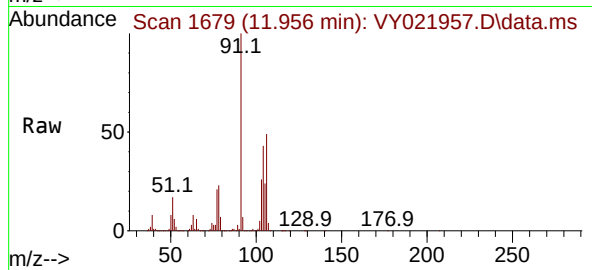
Tgt Ion:106 Resp: 1528954
Ion Ratio Lower Upper
106 100
91 192.6 156.2 234.2





#69
o-Xylene
Concen: 111.334 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

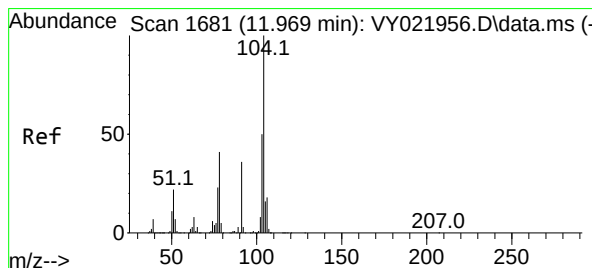
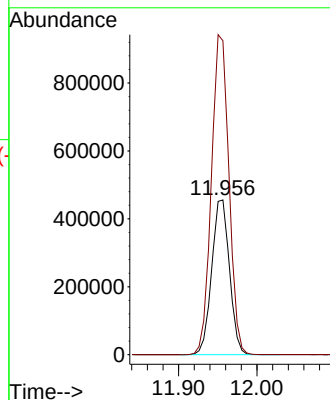
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:106 Resp: 716652
Ion Ratio Lower Upper
106 100
91 204.4 103.0 308.9

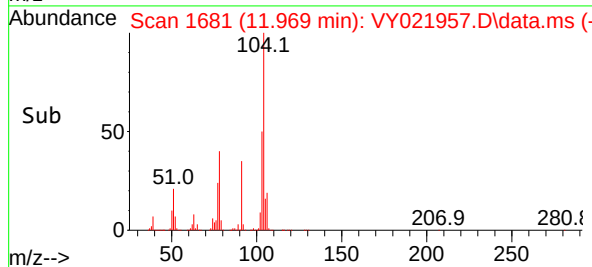
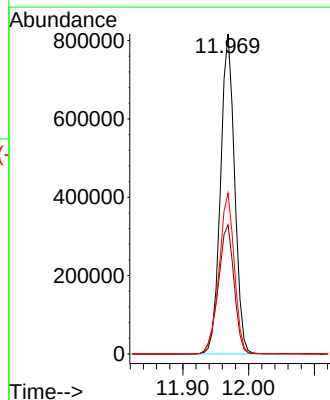
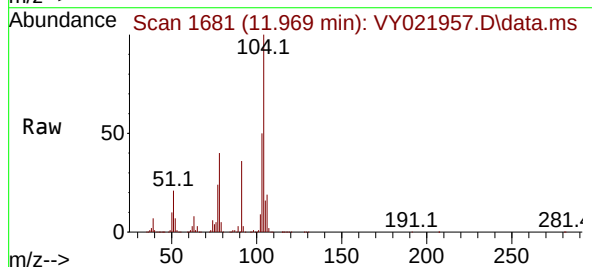
Manual Integrations
APPROVED

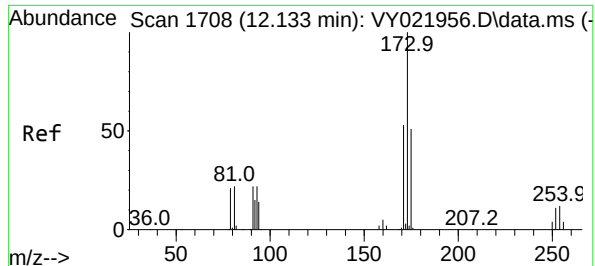
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 112.940 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

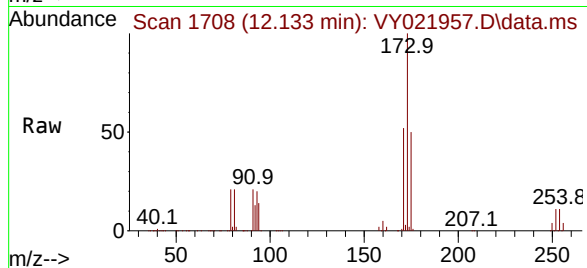
Tgt Ion:104 Resp: 1220634
Ion Ratio Lower Upper
104 100
78 45.4 36.6 54.8
103 54.4 43.8 65.8





#71
Bromoform
Concen: 102.945 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

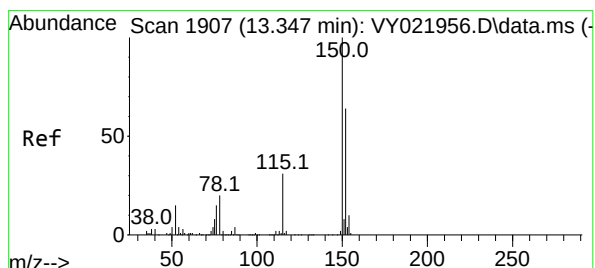
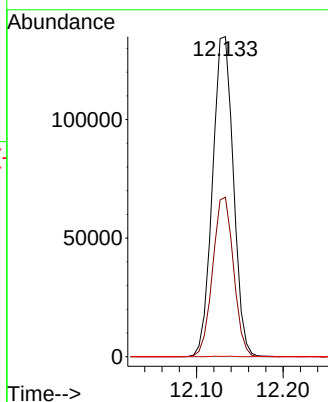
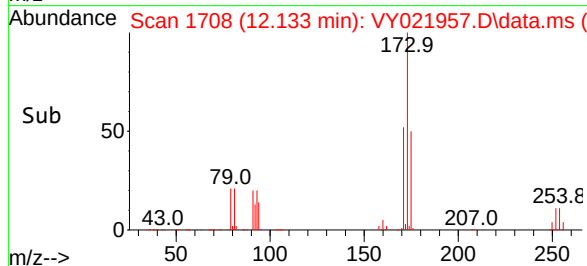
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



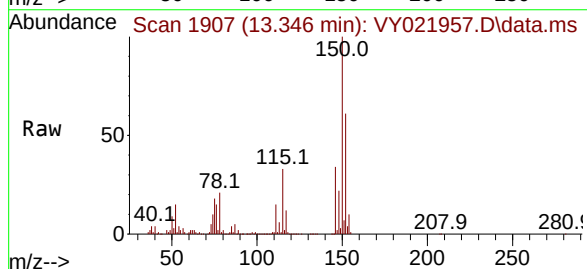
Tgt Ion:173 Resp: 226072
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.1 0.0 0.0

Manual Integrations
APPROVED

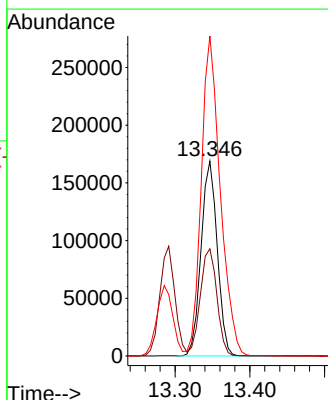
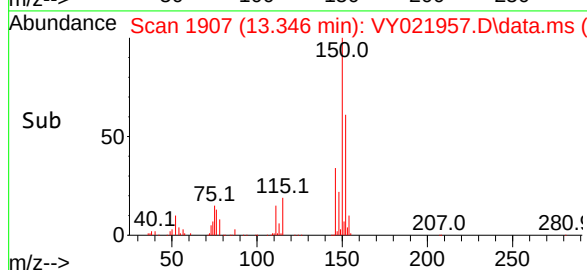
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

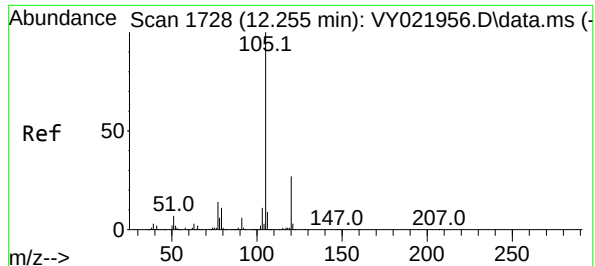


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



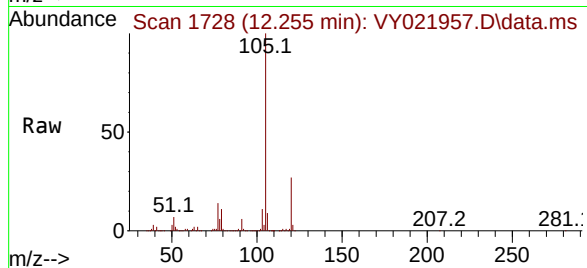
Tgt Ion:152 Resp: 253936
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 192.4 0.0 345.6





#73
Isopropylbenzene
Concen: 108.944 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

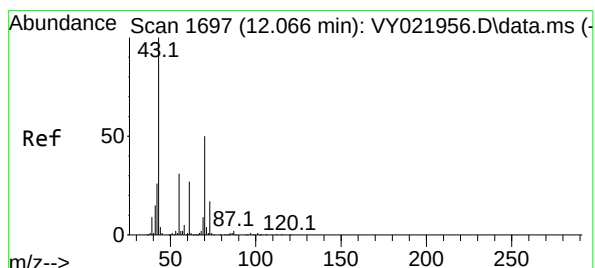
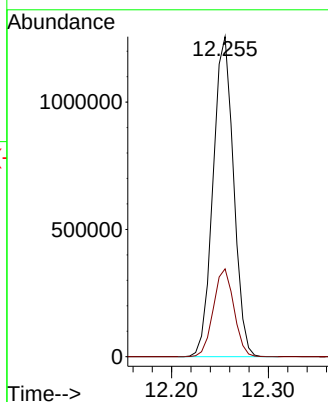
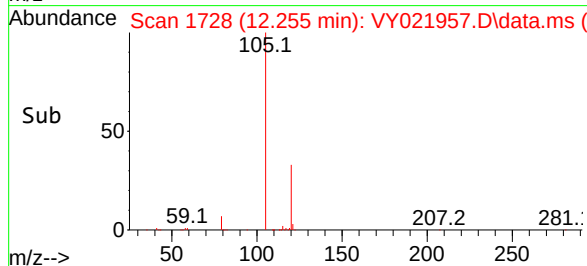
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 1848300
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.5

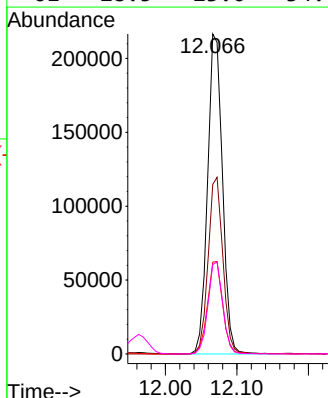
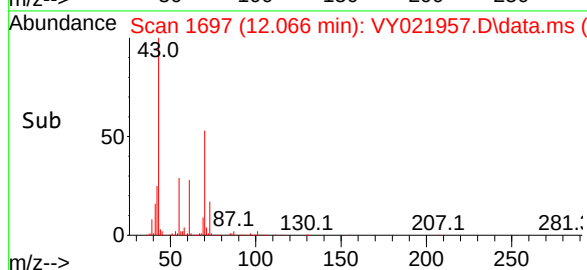
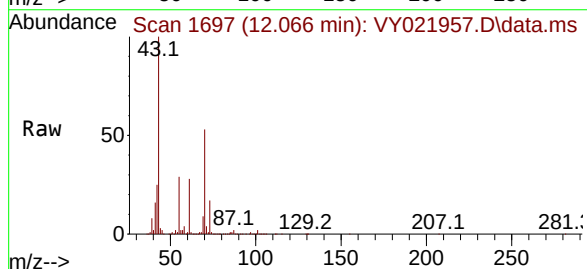
Manual Integrations
APPROVED

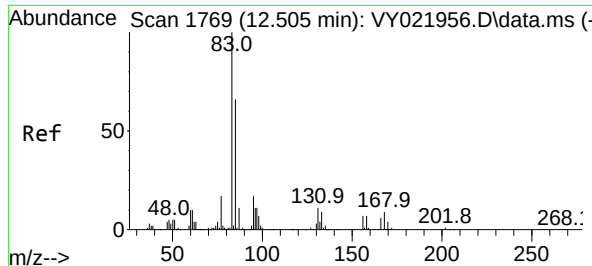
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 107.236 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

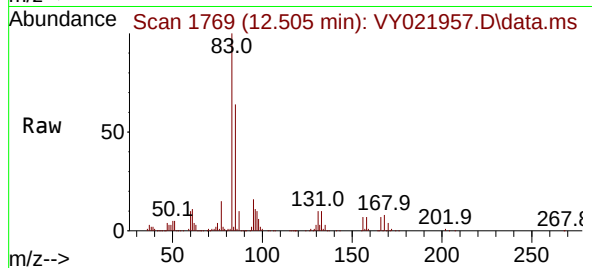
Tgt Ion: 43 Resp: 312577
Ion Ratio Lower Upper
43 100
70 55.0 43.2 64.8
55 29.7 25.7 38.5
61 28.5 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 98.509 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

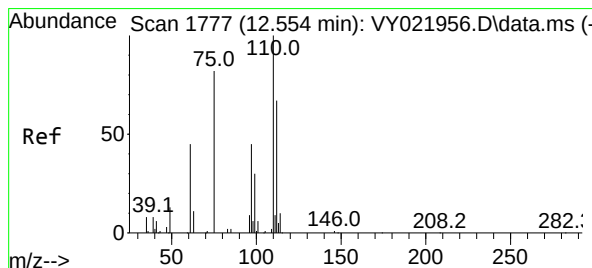
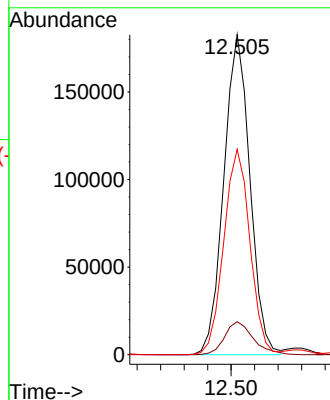
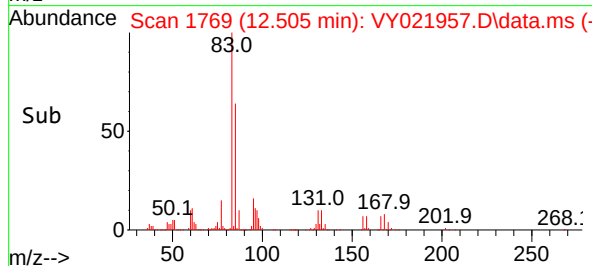
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



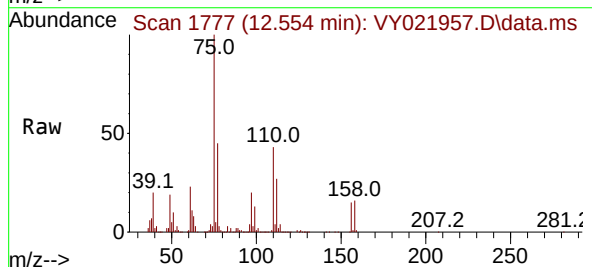
Tgt Ion: 83 Resp: 281769
Ion Ratio Lower Upper
83 100
131 11.2 5.5 16.4
85 64.3 32.3 96.8

Manual Integrations
APPROVED

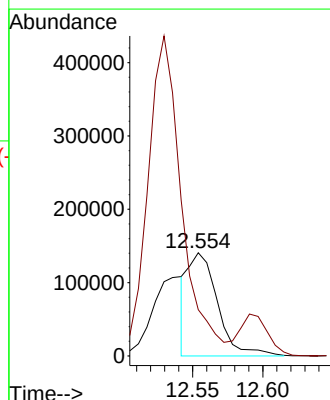
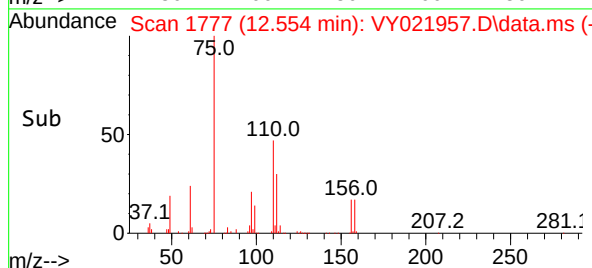
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

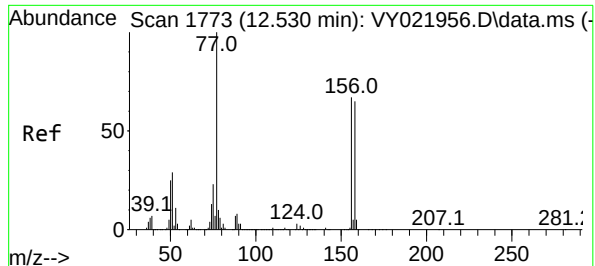


#76
1,2,3-Trichloropropane
Concen: 92.537 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



Tgt Ion: 75 Resp: 207056
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





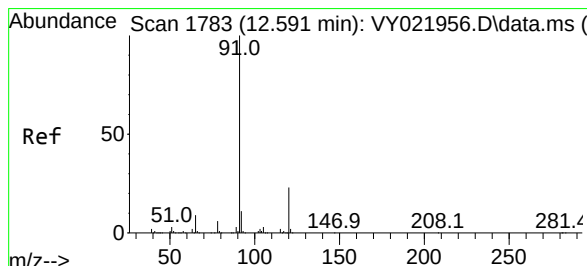
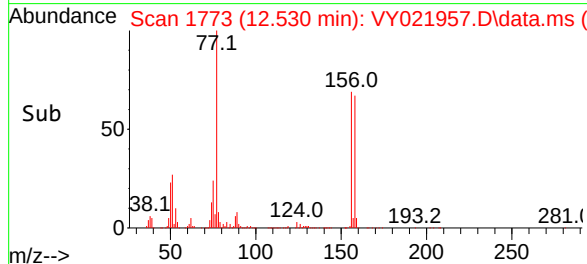
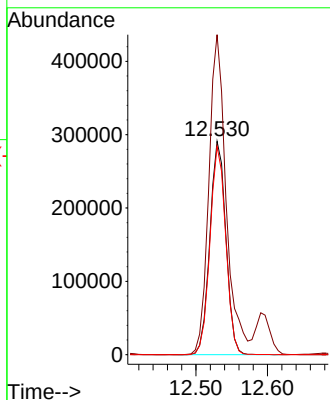
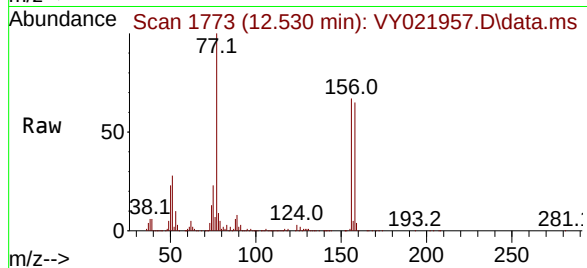
#77
Bromobenzene
Concen: 105.415 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:156 Resp: 451911
Ion Ratio Lower Upper
156 100
77 161.7 82.7 248.1
158 96.5 48.1 144.4

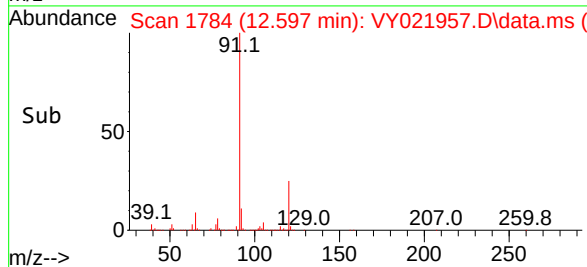
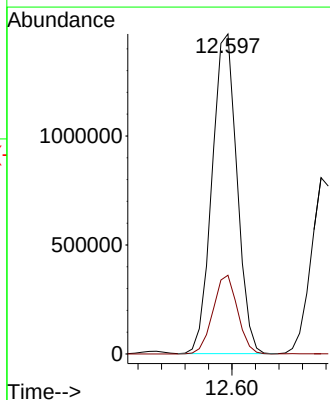
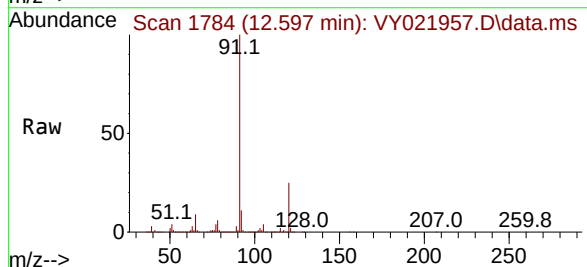
Manual Integrations
APPROVED

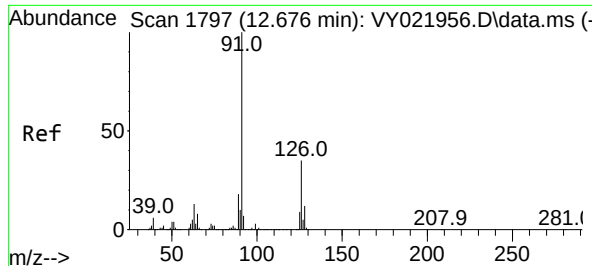
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 107.039 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 2162620
Ion Ratio Lower Upper
91 100
120 24.2 11.9 35.5





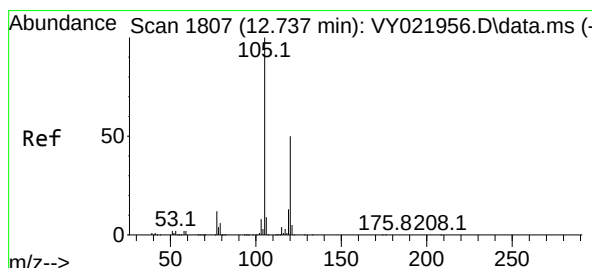
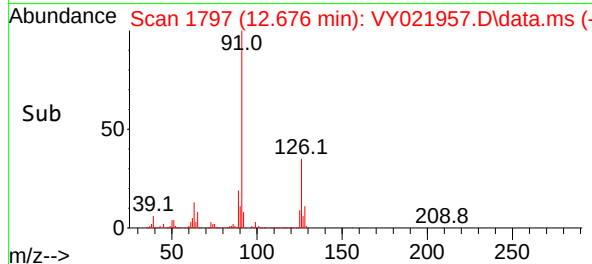
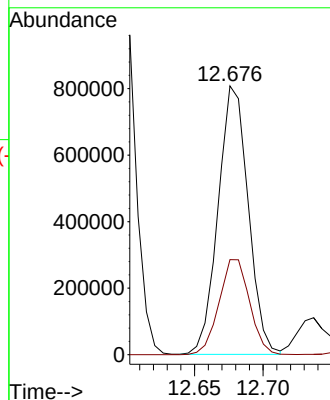
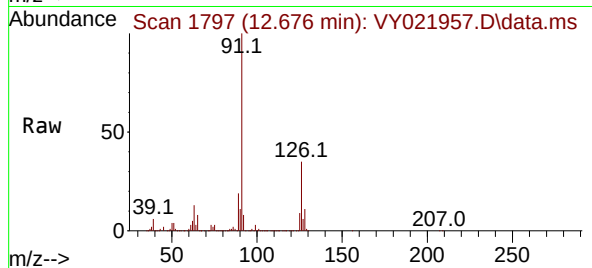
#79
2-Chlorotoluene
Concen: 105.231 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 123645
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.8

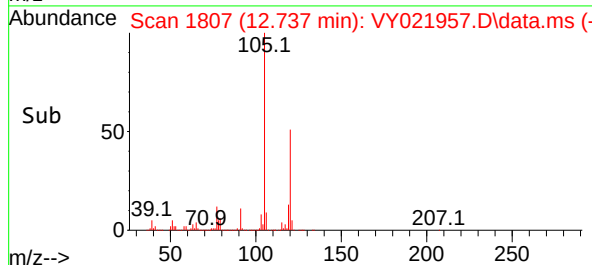
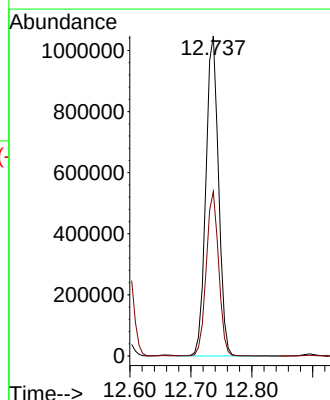
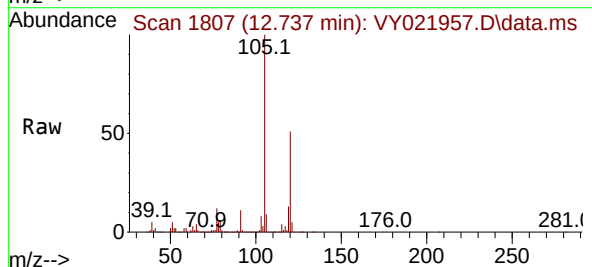
Manual Integrations
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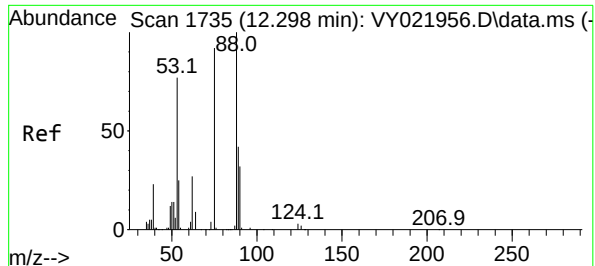
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 108.183 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1512269
Ion Ratio Lower Upper
105 100
120 50.3 25.0 75.0





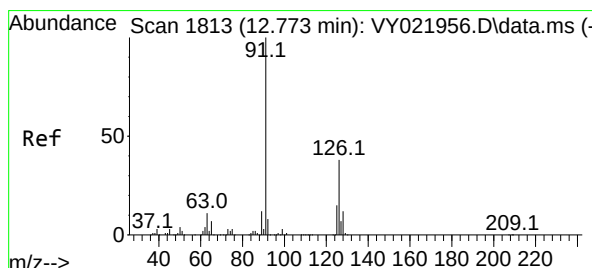
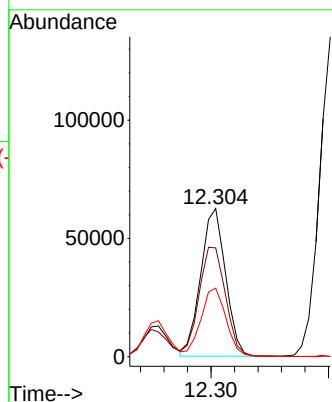
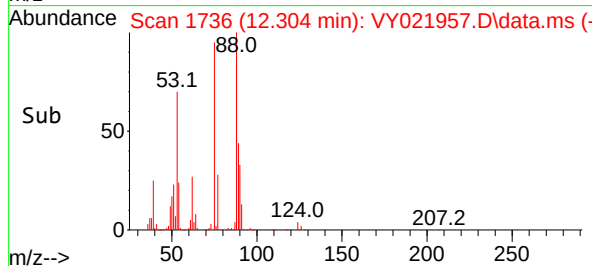
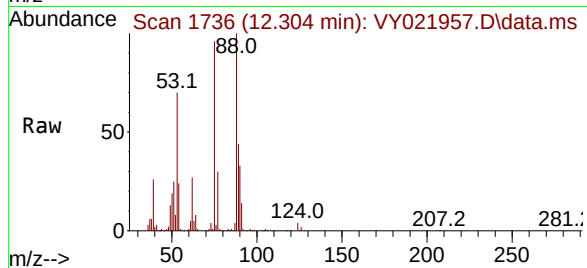
#81
trans-1,4-Dichloro-2-butene
Concen: 101.673 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 91833
Ion Ratio Lower Upper
75 100
53 79.2 66.0 99.0
89 47.2 37.2 55.8

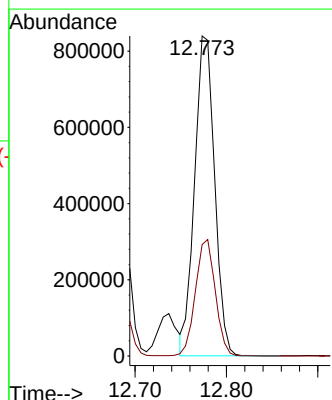
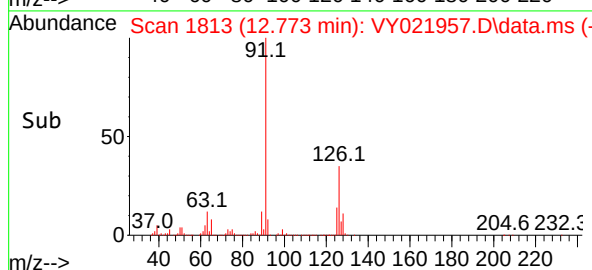
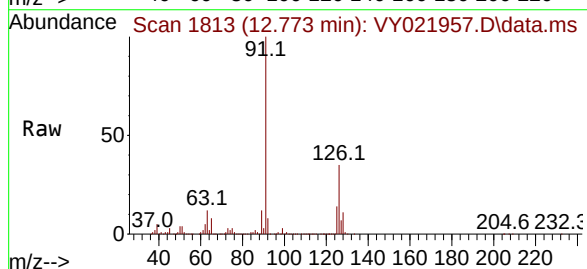
Manual Integrations
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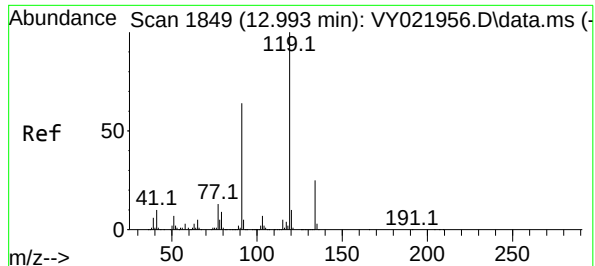
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 104.825 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 1280377
Ion Ratio Lower Upper
91 100
126 36.3 17.9 53.8





#83

tert-Butylbenzene

Concen: 110.389 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 138392

Ion Ratio Lower Upper

119 100

91 60.3 30.3 90.9

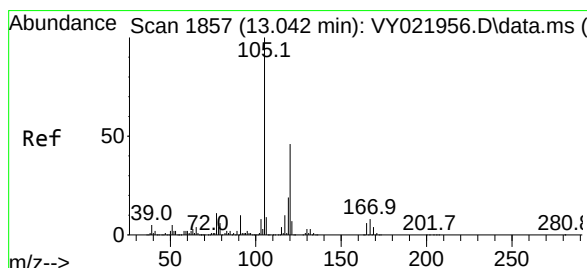
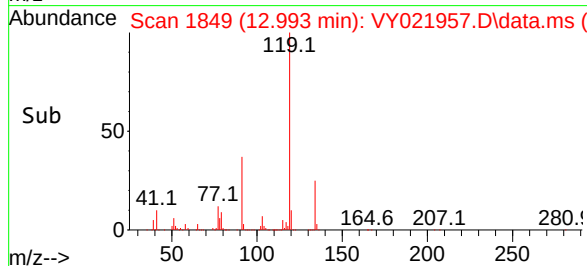
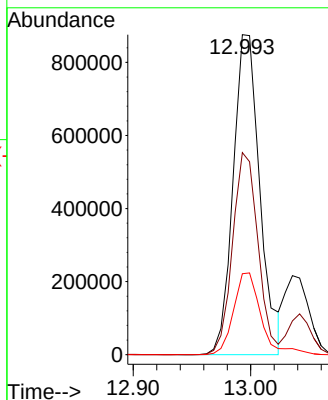
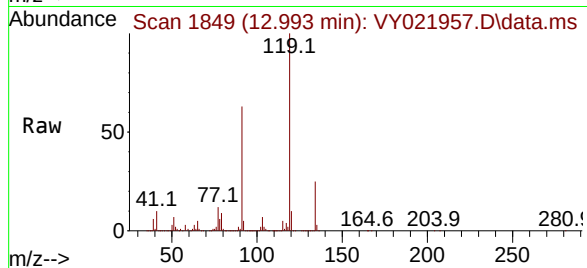
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 109.940 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY021957.D

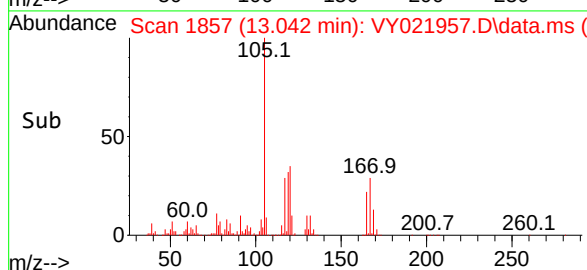
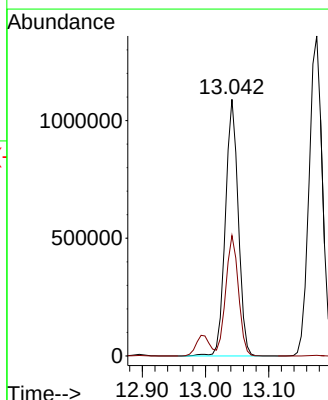
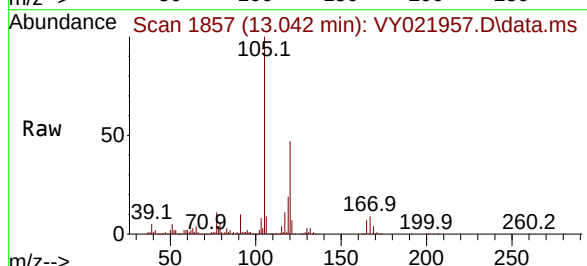
Acq: 22 Apr 2025 15:52

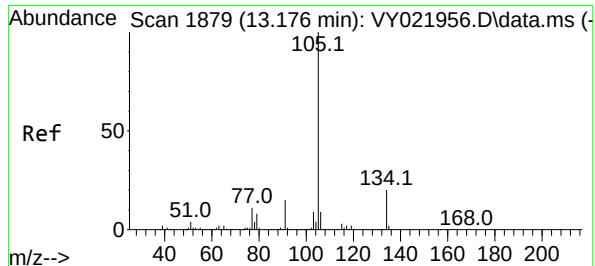
Tgt Ion:105 Resp: 1537175

Ion Ratio Lower Upper

105 100

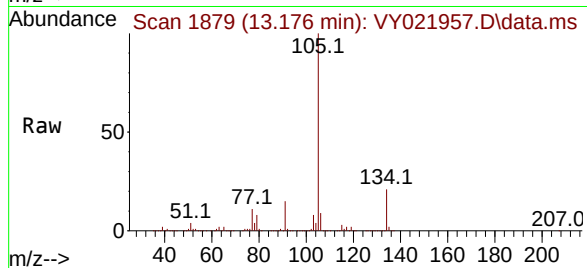
120 46.1 23.4 70.0





#85
sec-Butylbenzene
Concen: 107.920 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

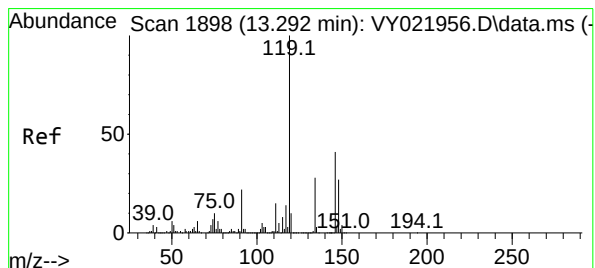
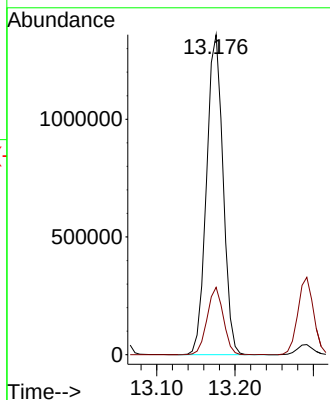
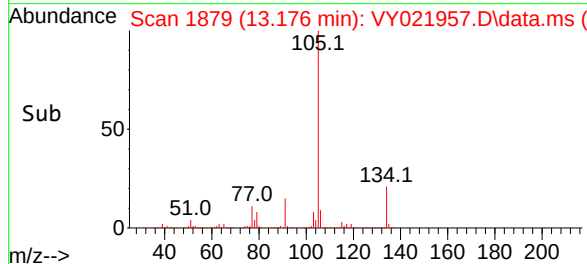
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 197982
Ion Ratio Lower Upper
105 100
134 20.7 10.3 30.9

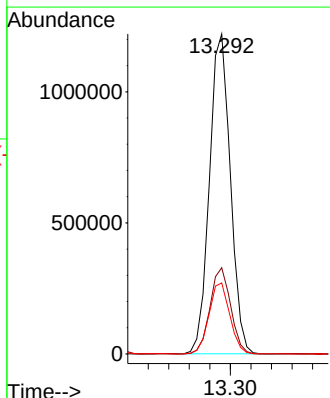
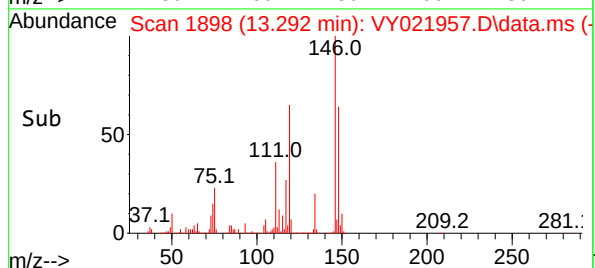
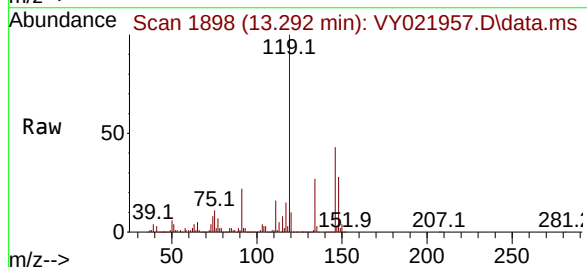
Manual Integrations
APPROVED

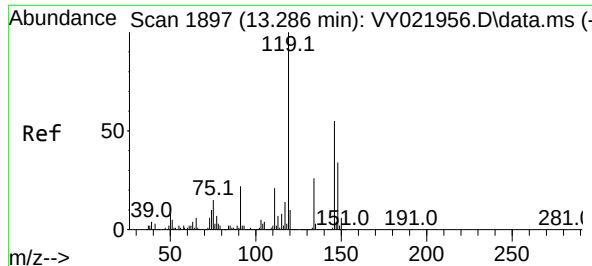
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#86
p-Isopropyltoluene
Concen: 110.405 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:119 Resp: 1719877
Ion Ratio Lower Upper
119 100
134 26.6 13.6 40.7
91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 104.350 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

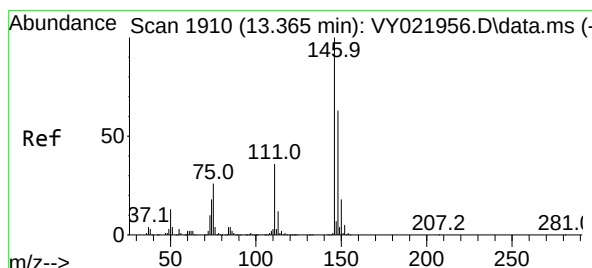
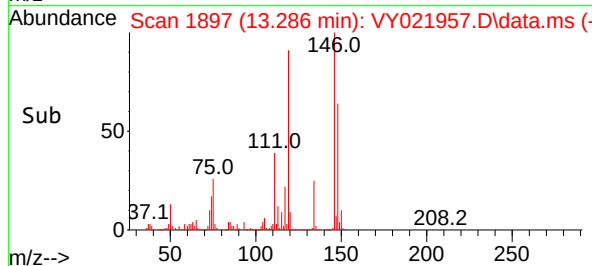
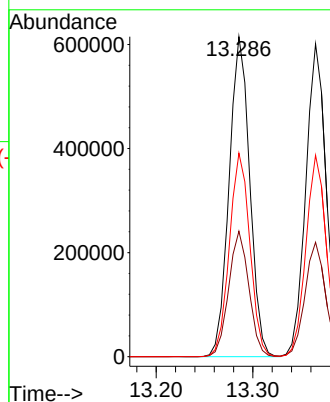
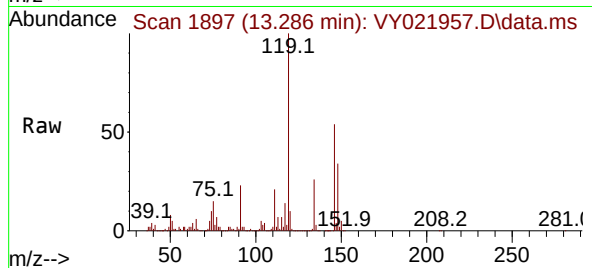
VSTDIC100

Tgt Ion	146	Resp	90857
Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.3	32.0	96.2

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt	04/23/2025
Supervised By : Mahesh Dadoda	04/23/2025



#88

1,4-Dichlorobenzene

Concen: 102.083 ug/l

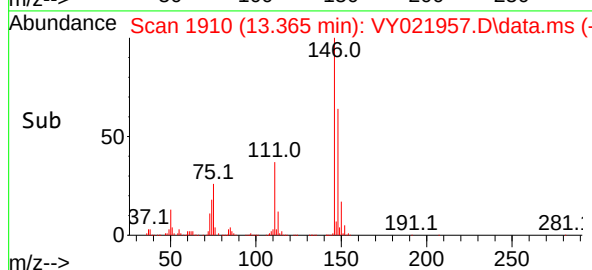
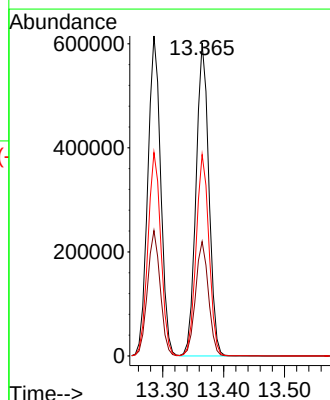
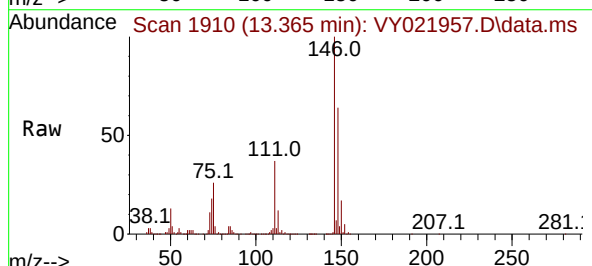
RT: 13.365 min Scan# 1910

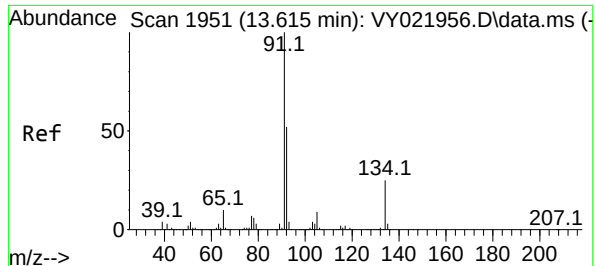
Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Tgt Ion	146	Resp	880300
Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 108.535 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021957.D

Acq: 22 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1511238

Ion Ratio Lower Upper

91 100

92 54.0 26.5 79.5

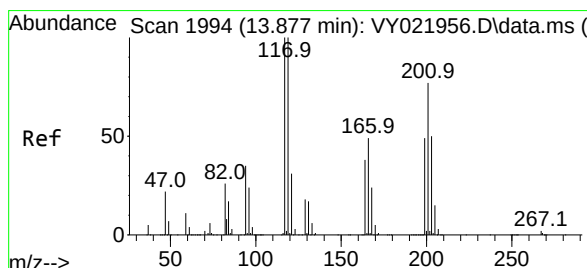
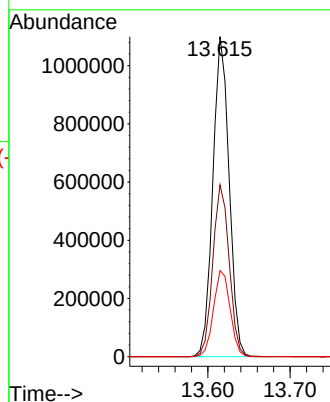
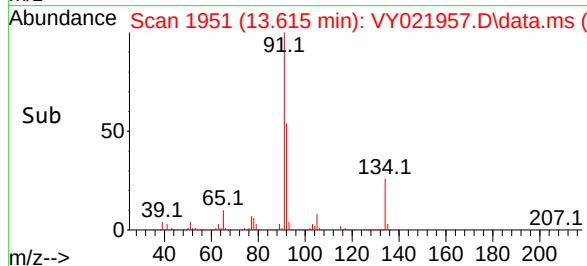
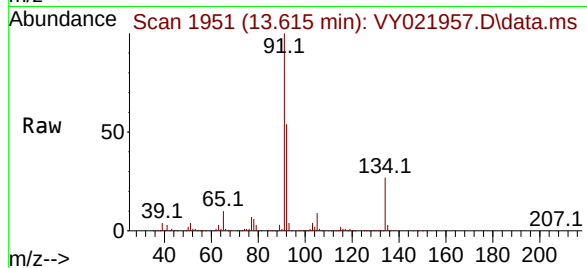
134 27.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 102.221 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY021957.D

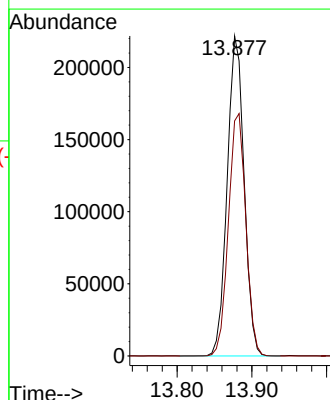
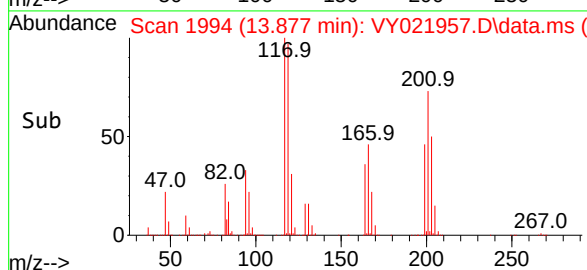
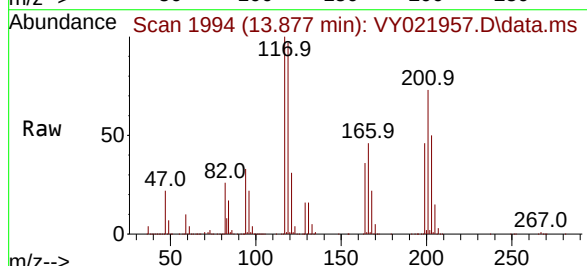
Acq: 22 Apr 2025 15:52

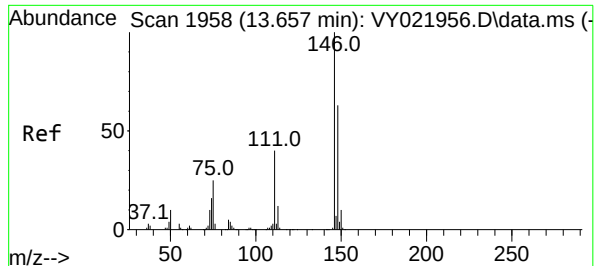
Tgt Ion:117 Resp: 349860

Ion Ratio Lower Upper

117 100

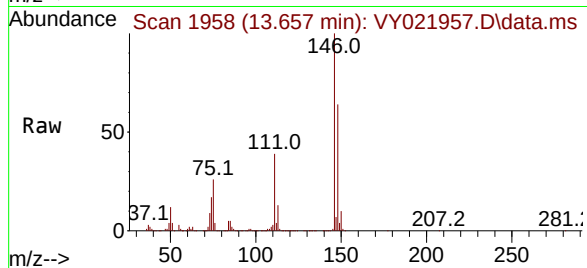
201 77.9 38.7 116.1





#91
1,2-Dichlorobenzene
Concen: 102.789 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

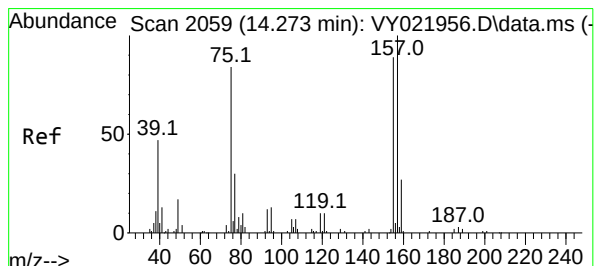
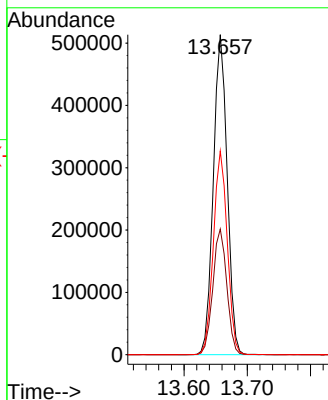
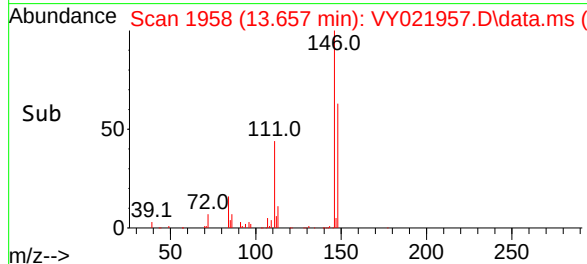
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



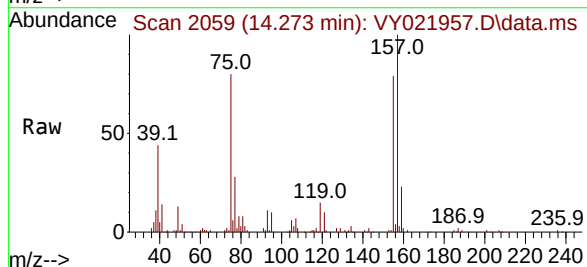
Tgt Ion:146 Resp: 780600
Ion Ratio Lower Upper
146 100
111 39.6 19.7 59.1
148 63.8 32.1 96.3

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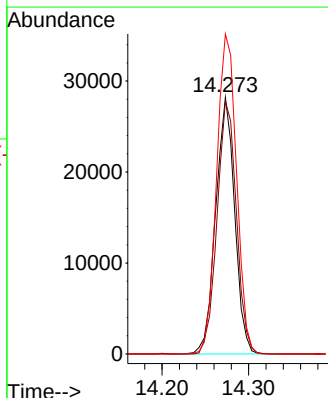
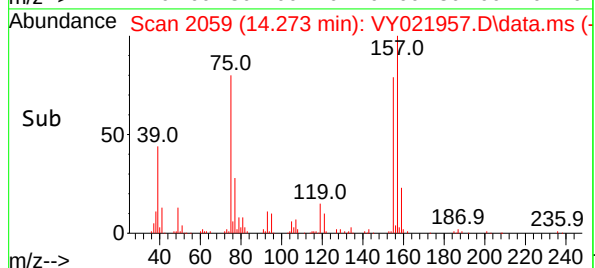
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

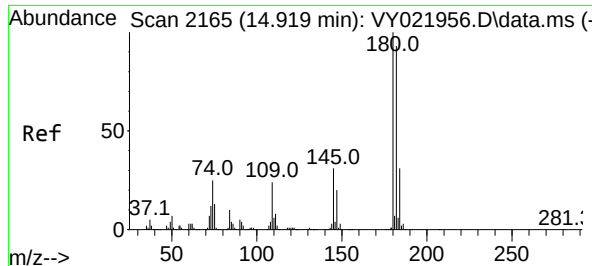


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.503 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



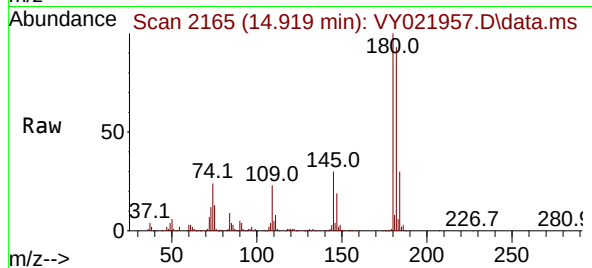
Tgt Ion: 75 Resp: 43006
Ion Ratio Lower Upper
75 100
155 99.9 50.7 152.3
157 130.7 62.6 187.8





#93
1,2,4-Trichlorobenzene
Concen: 114.465 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

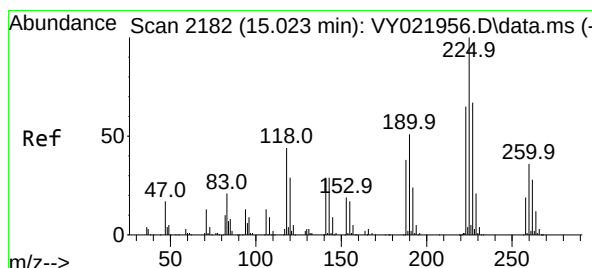
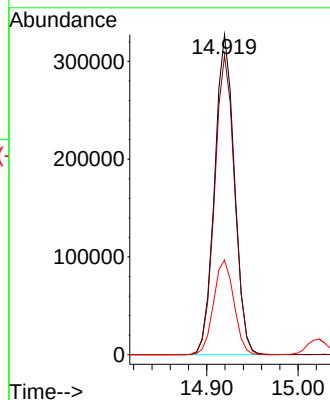
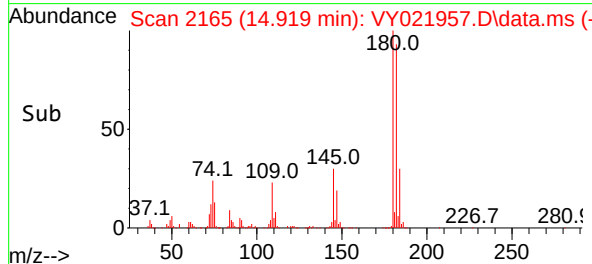
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



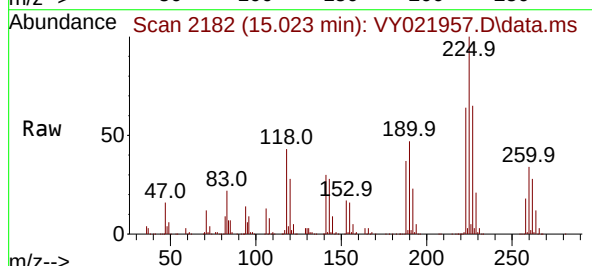
Tgt Ion:180 Resp: 492590
Ion Ratio Lower Upper
180 100
182 94.6 47.1 141.4
145 30.3 15.0 45.0

Manual Integrations
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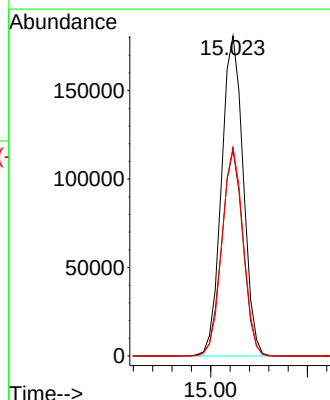
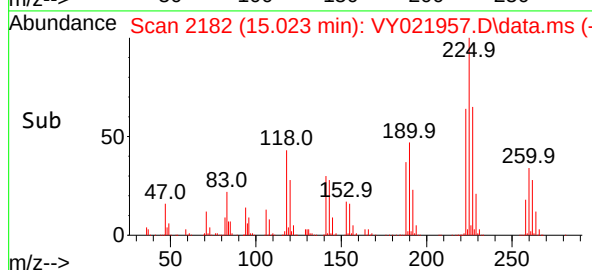
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

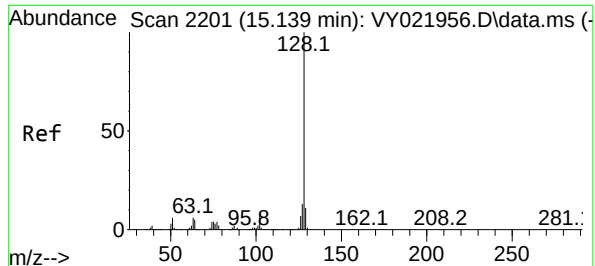


#94
Hexachlorobutadiene
Concen: 106.397 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52



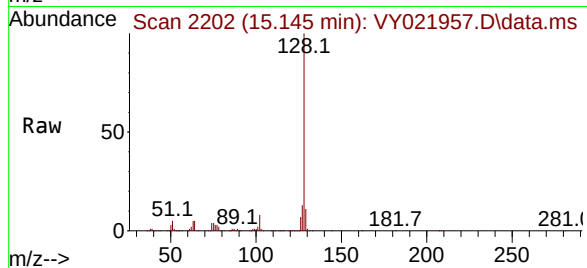
Tgt Ion:225 Resp: 281711
Ion Ratio Lower Upper
225 100
223 62.9 31.9 95.5
227 63.6 32.3 96.9





#95
Naphthalene
Concen: 120.033 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

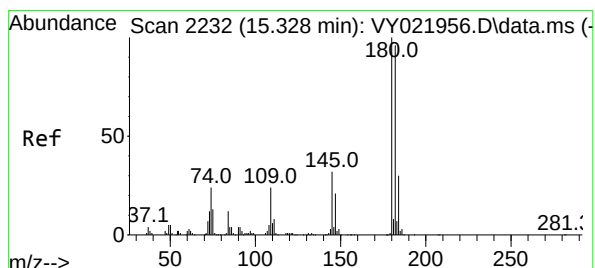
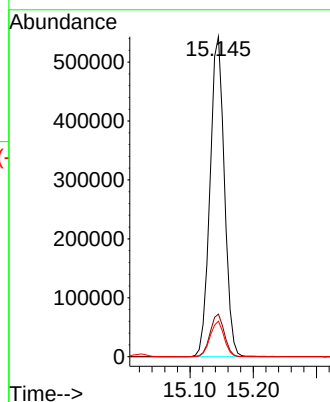
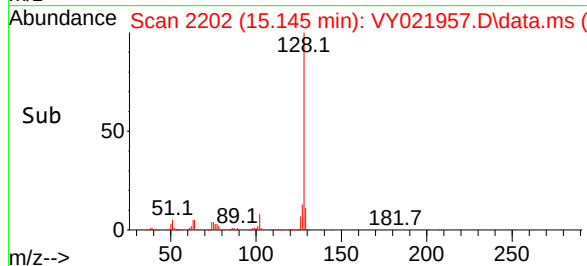
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:128 Resp: 858079
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.9 13.3

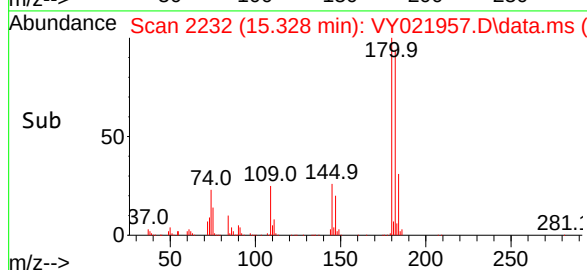
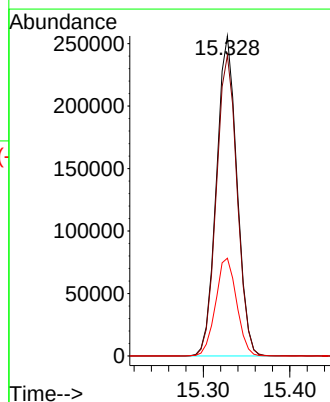
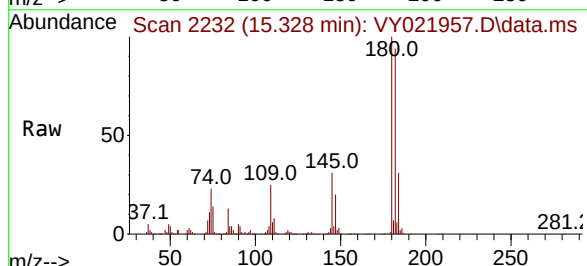
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 113.294 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:180 Resp: 420859
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.4
145 31.4 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 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 : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 277.320%#	
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 296.620%#	
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 303.780%#	
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 305.940%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 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 :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l #	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l	100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l #	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l	99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l	100
46) Dibromomethane	9.225	93	300473	145.844	ug/l	99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l	100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l	97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l	99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l	99
52) Toluene	10.170	92	1470005	152.593	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l	99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l	99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l	98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l	99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l	100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l	100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l	99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l	100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l	99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l	99
69) o-Xylene	11.950	106	1079036	160.131	ug/l	99
70) Styrene	11.969	104	1821333	160.979	ug/l	100
71) Bromoform	12.127	173	345783	150.413	ug/l #	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l	99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l	
77) Bromobenzene	12.530	156	677176	156.545	ug/l	98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l	99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l	98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l	99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l	100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l	99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l	98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l	99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l	99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l	99
95) Naphthalene	15.145	128	1336140	185.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

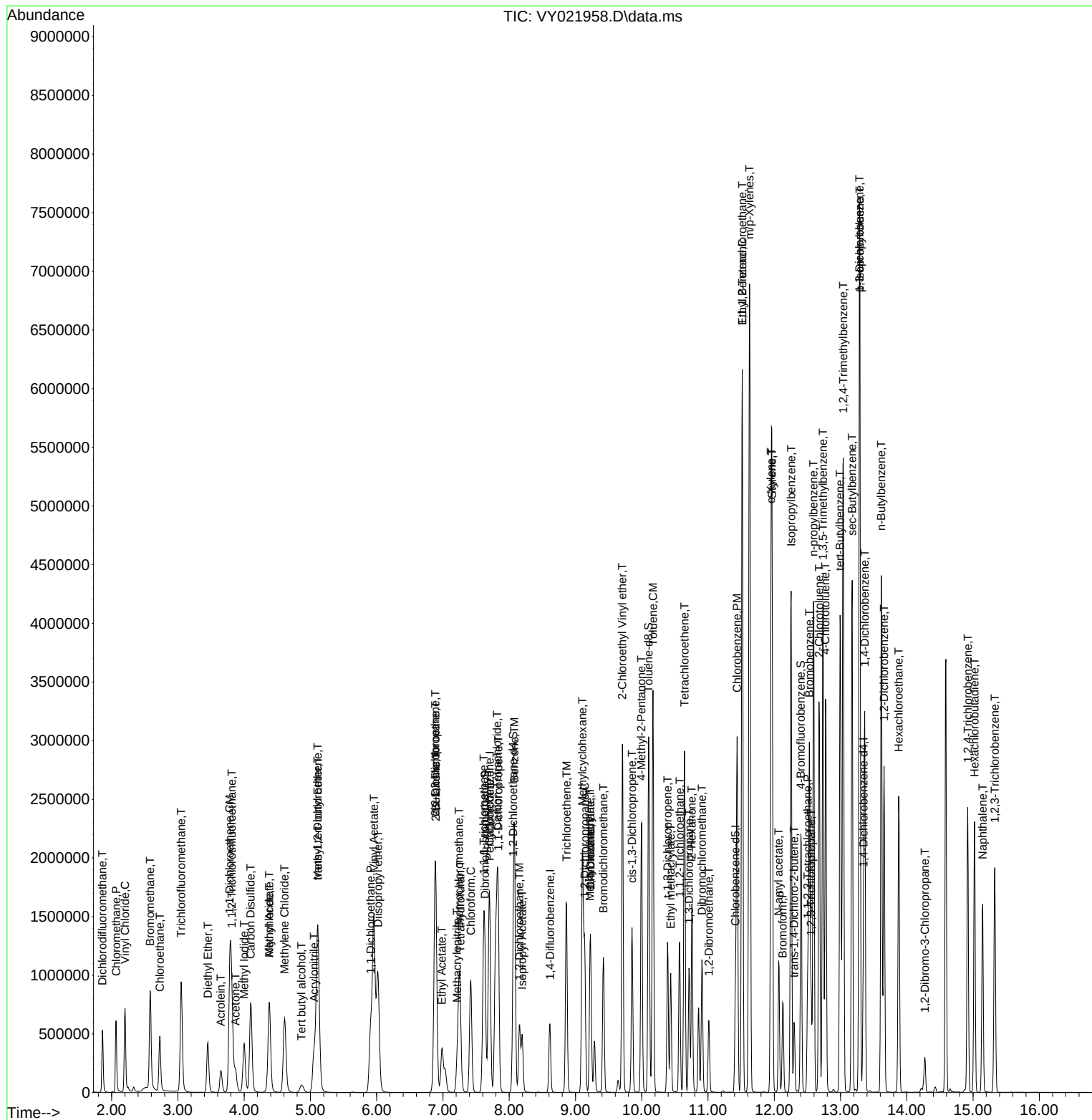
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

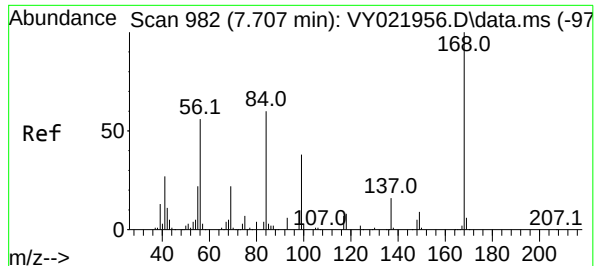
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

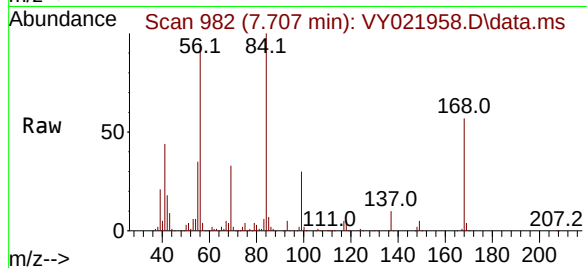
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

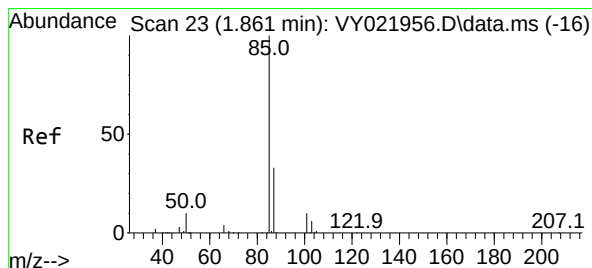
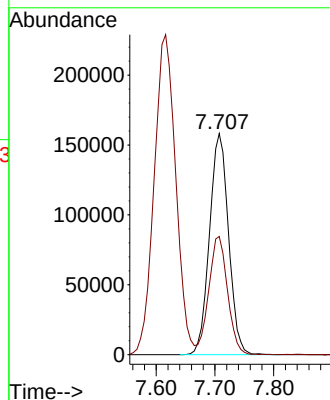
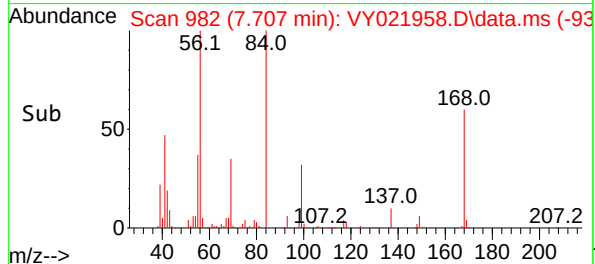
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 168 Resp: 35577
Ion Ratio Lower Upper
168 100
99 53.4 43.1 64.7

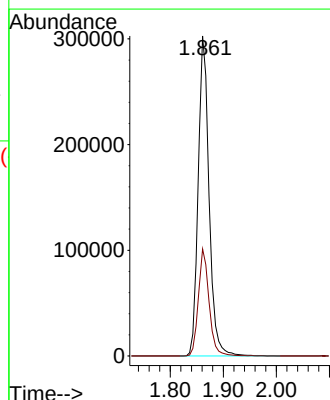
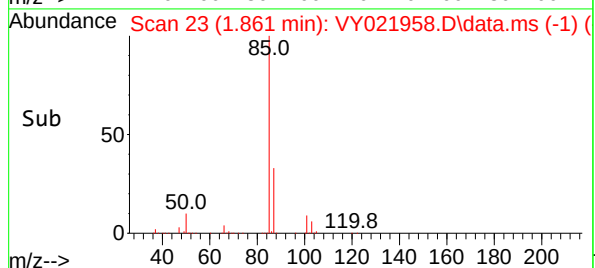
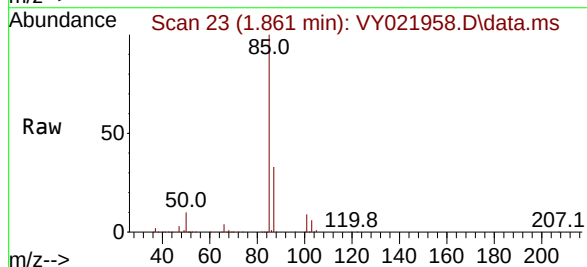
Manual Integrations
APPROVED

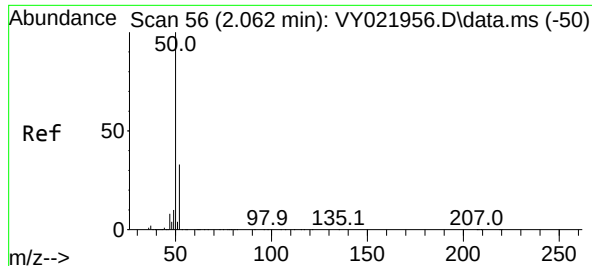
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#2
Dichlorodifluoromethane
Concen: 142.488 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 85 Resp: 431961
Ion Ratio Lower Upper
85 100
87 33.4 16.6 49.7





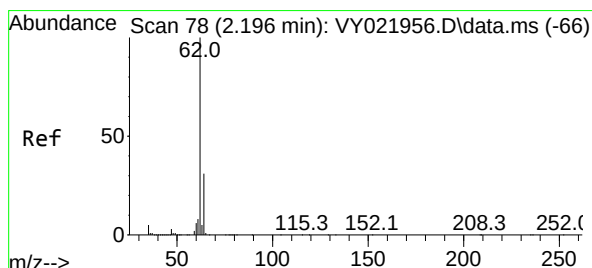
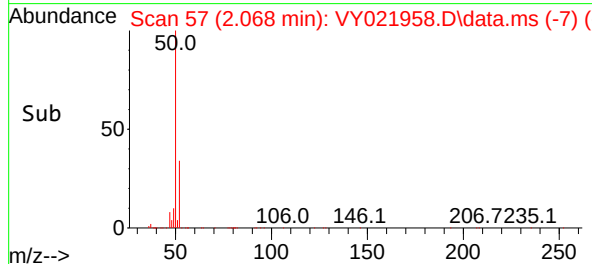
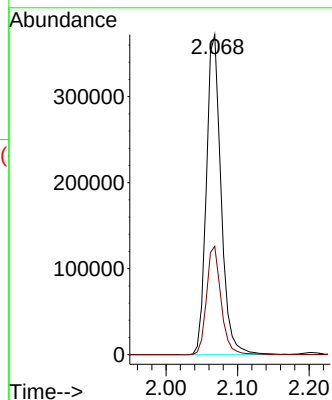
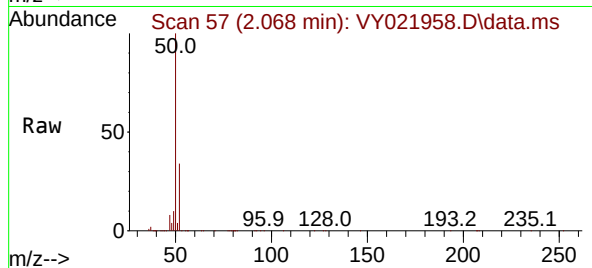
#3
Chloromethane
Concen: 123.066 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 53123
Ion Ratio Lower Upper
50 100
52 33.8 26.1 39.1

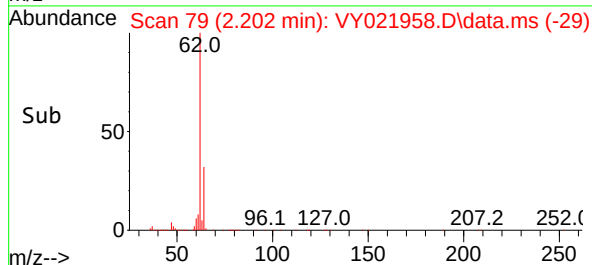
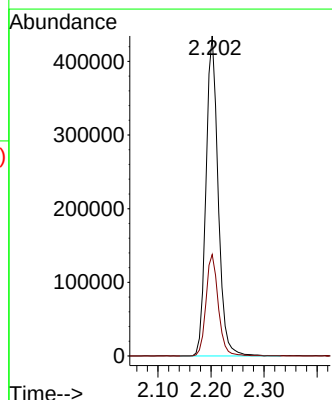
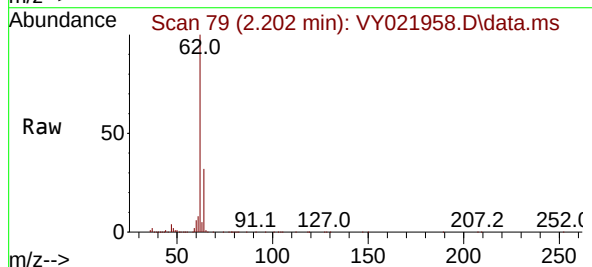
Manual Integrations
APPROVED

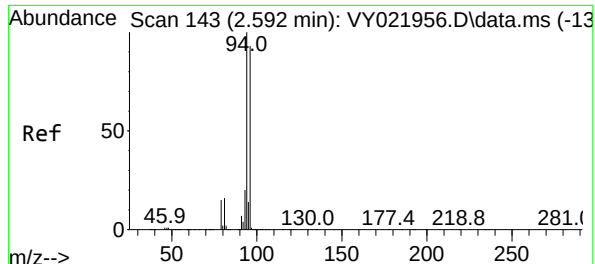
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#4
Vinyl Chloride
Concen: 130.127 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

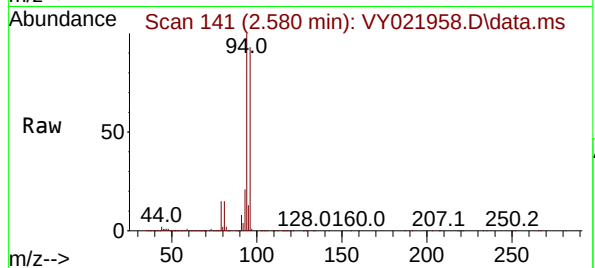
Tgt Ion: 62 Resp: 690264
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





#5
Bromomethane
Concen: 128.474 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

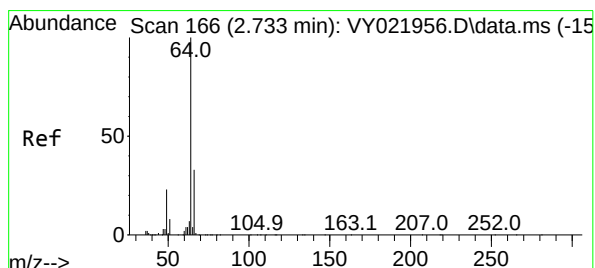
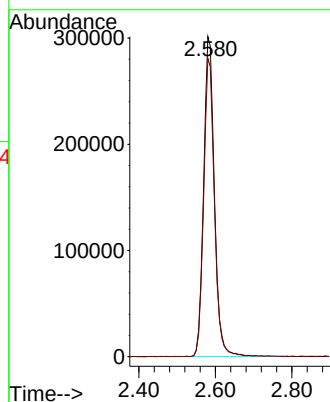
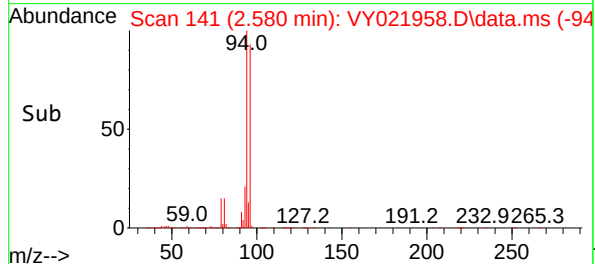
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 587130
Ion Ratio Lower Upper
94 100
96 93.2 74.6 111.8

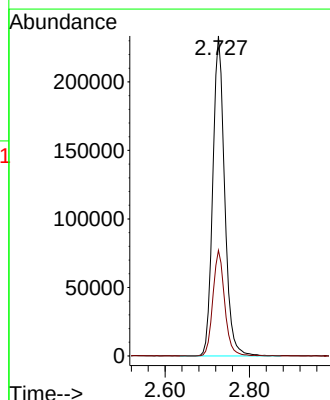
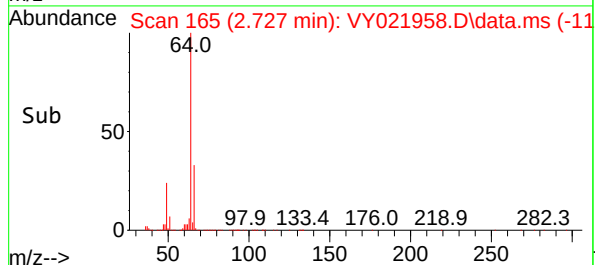
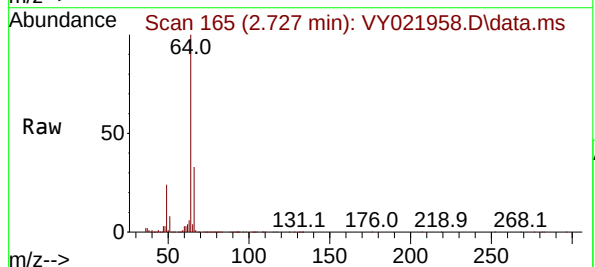
Manual Integrations
APPROVED

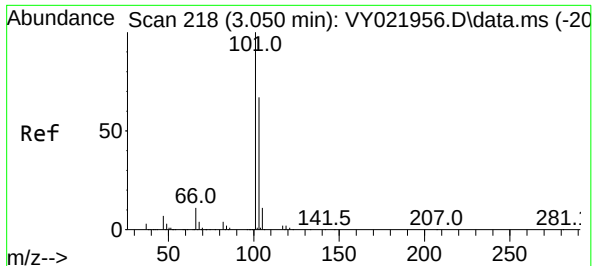
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#6
Chloroethane
Concen: 126.630 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

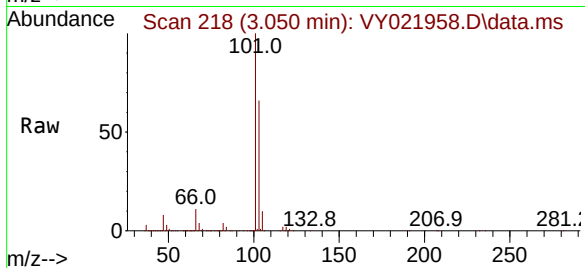
Tgt Ion: 64 Resp: 457467
Ion Ratio Lower Upper
64 100
66 32.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 138.417 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

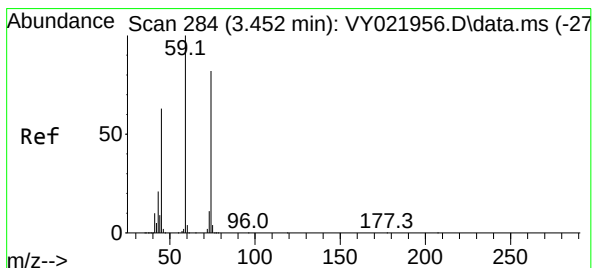
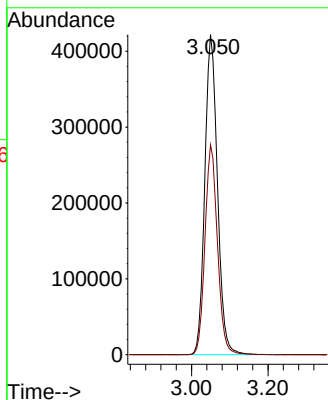
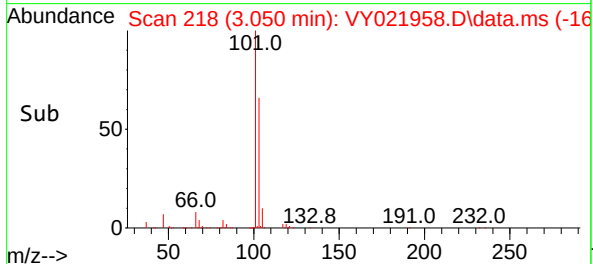
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:101 Resp: 968200
Ion Ratio Lower Upper
101 100
103 65.6 53.6 80.4

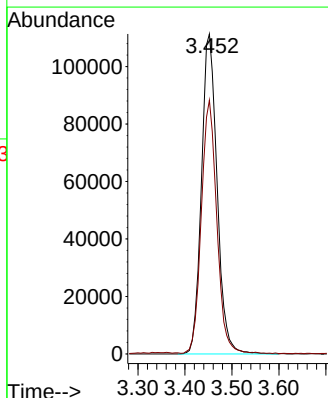
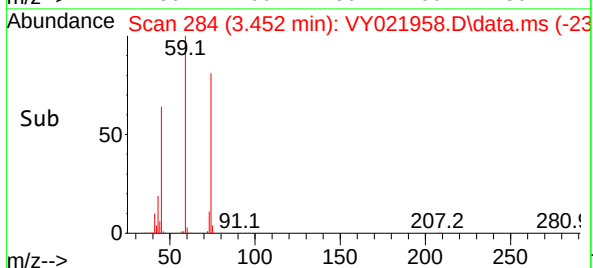
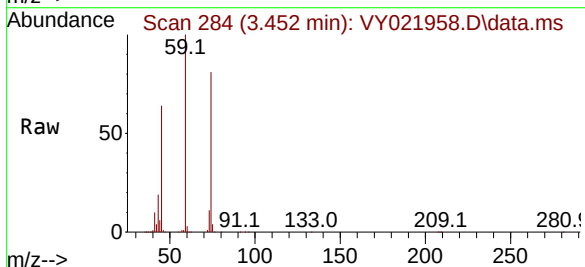
Manual Integrations
APPROVED

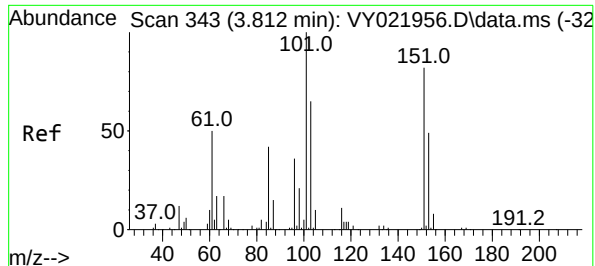
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#8
Diethyl Ether
Concen: 140.770 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 74 Resp: 256284
Ion Ratio Lower Upper
74 100
45 78.2 39.1 117.5





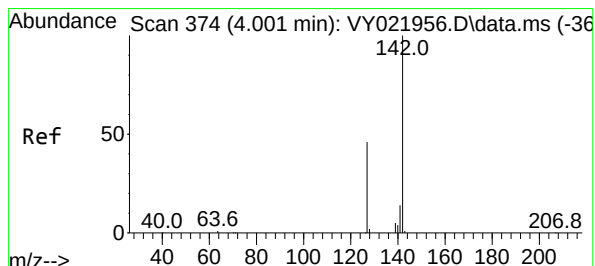
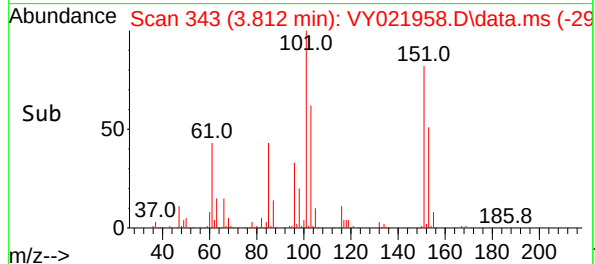
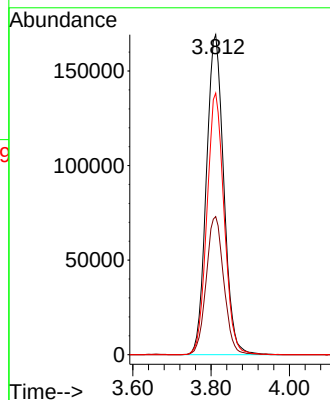
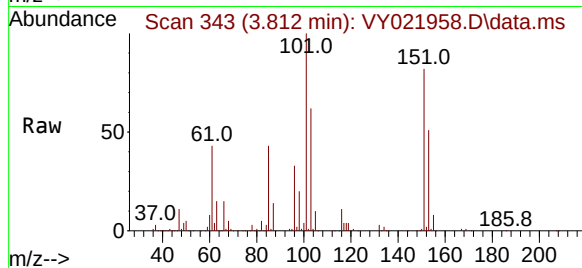
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.247 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 520779
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 80.9 63.7 95.5

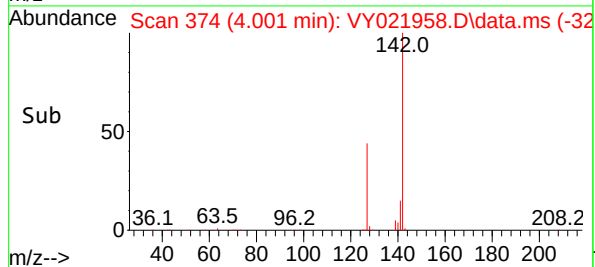
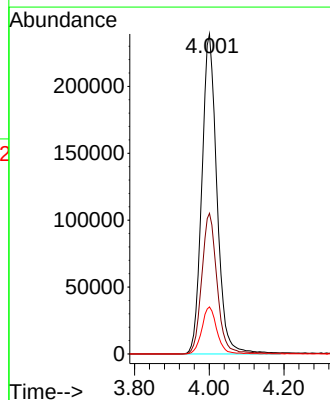
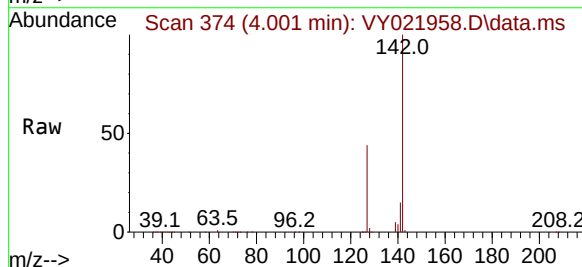
Manual Integrations
APPROVED

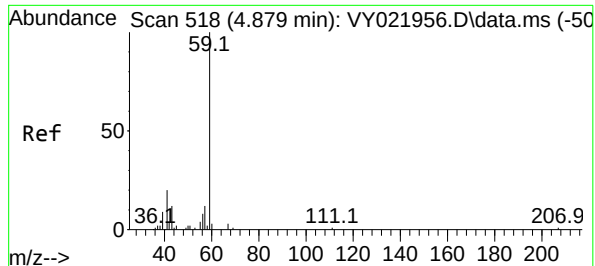
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#10
Methyl Iodide
Concen: 152.592 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:142 Resp: 670370
Ion Ratio Lower Upper
142 100
127 44.8 36.2 54.2
141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 731.707 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 132009

Ion Ratio Lower Upper

59 100

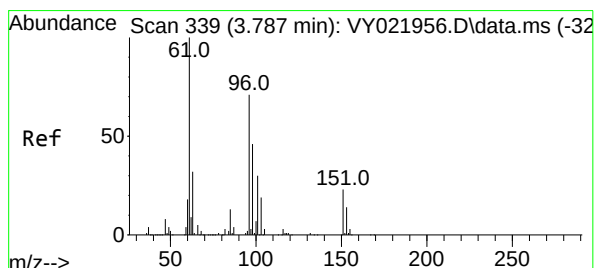
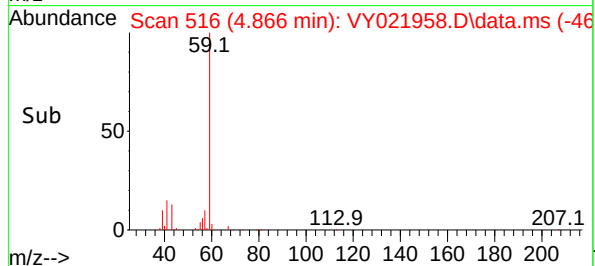
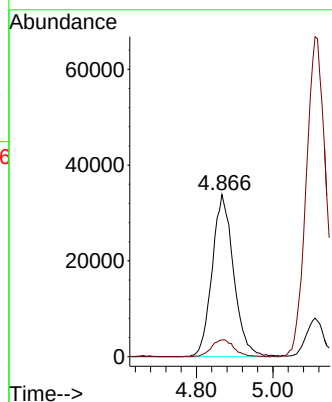
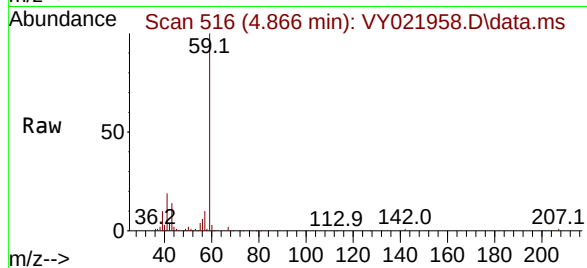
57 11.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#12

1,1-Dichloroethene

Concen: 146.010 ug/l

RT: 3.781 min Scan# 338

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

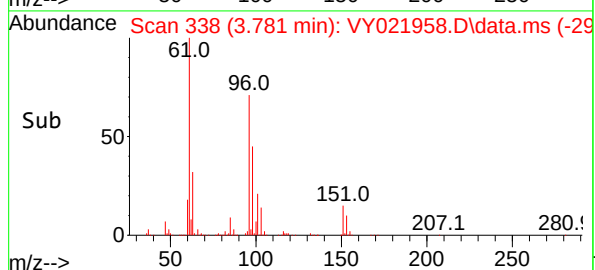
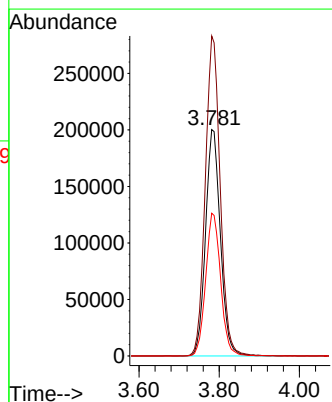
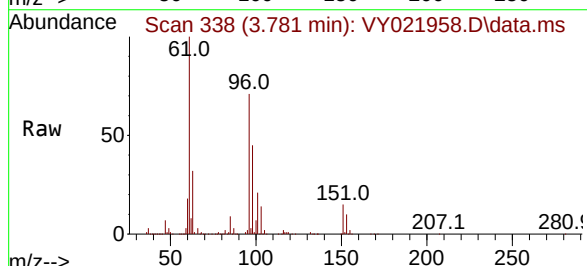
Tgt Ion: 96 Resp: 516411

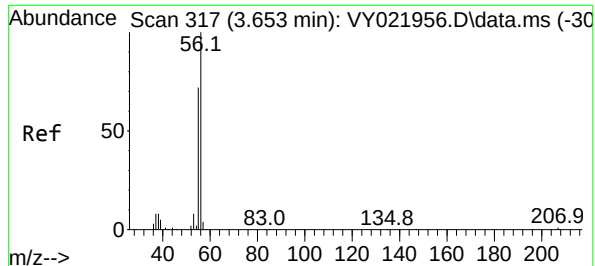
Ion Ratio Lower Upper

96 100

61 141.3 113.0 169.4

98 63.1 51.4 77.2





#13

Acrolein

Concen: 692.230 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 224148

Ion Ratio Lower Upper

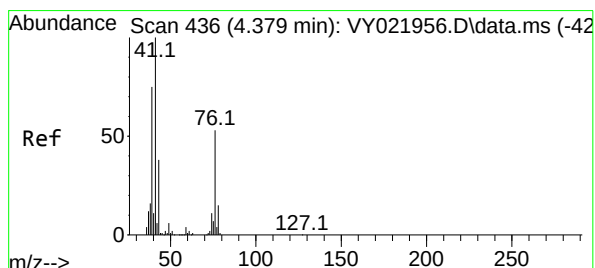
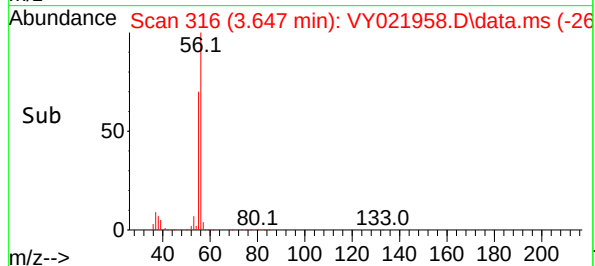
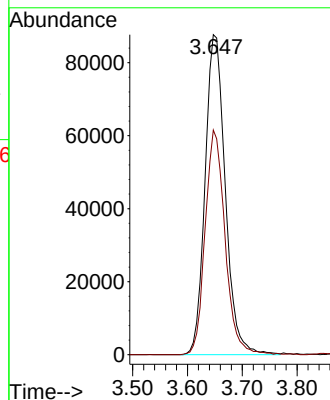
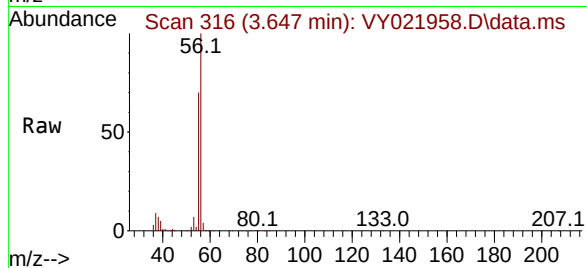
56 100

55 69.3 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025



#14

Allyl chloride

Concen: 144.481 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

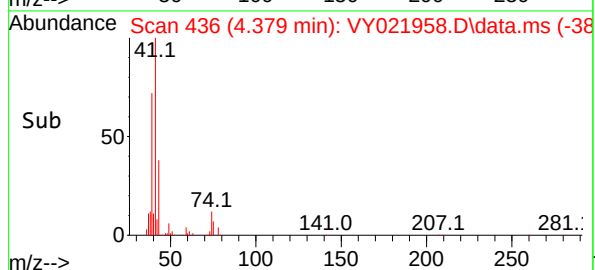
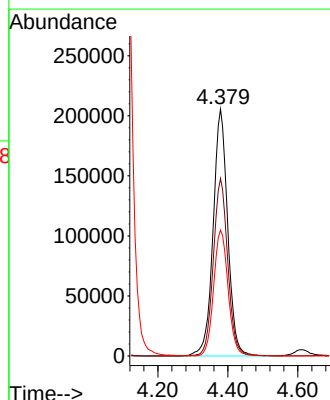
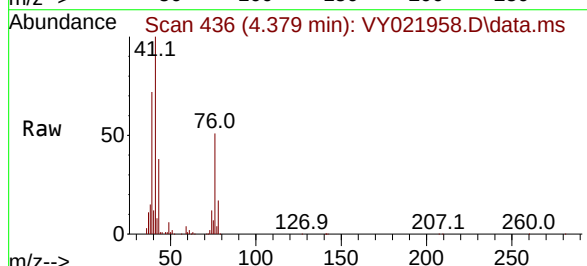
Tgt Ion: 41 Resp: 595004

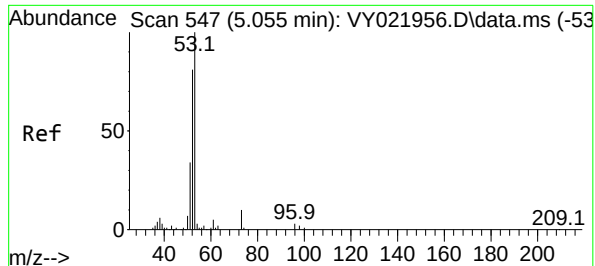
Ion Ratio Lower Upper

41 100

39 71.4 57.2 85.8

76 50.7 39.7 59.5





#15

Acrylonitrile

Concen: 707.705 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 47168

Ion Ratio Lower Upper

53 100

52 80.1 65.0 97.6

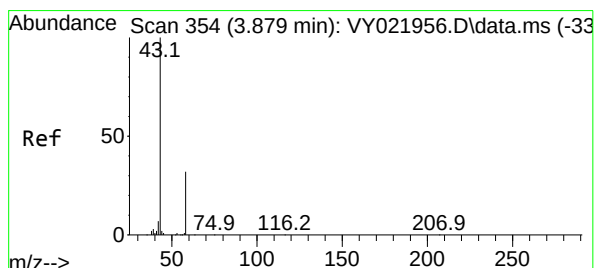
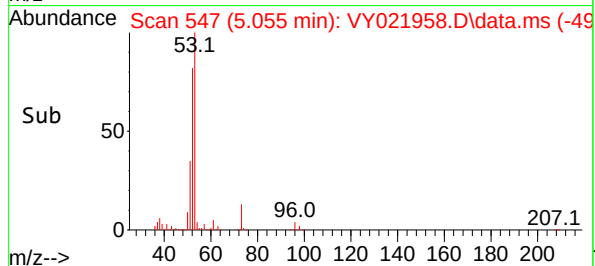
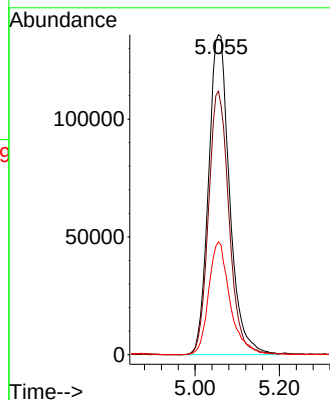
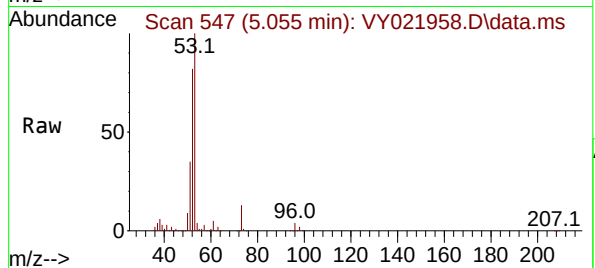
51 36.1 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#16

Acetone

Concen: 747.934 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY021958.D

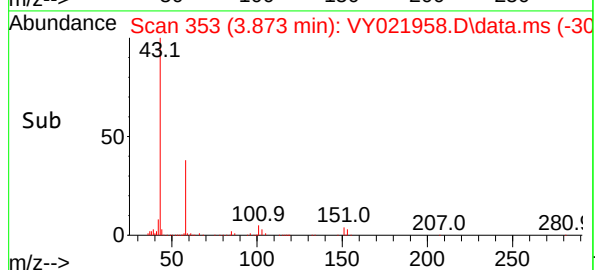
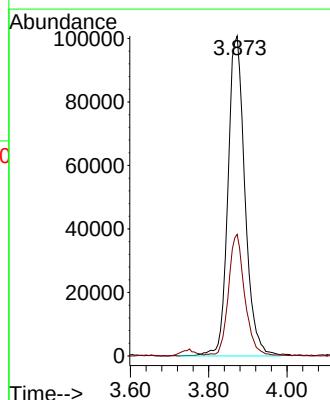
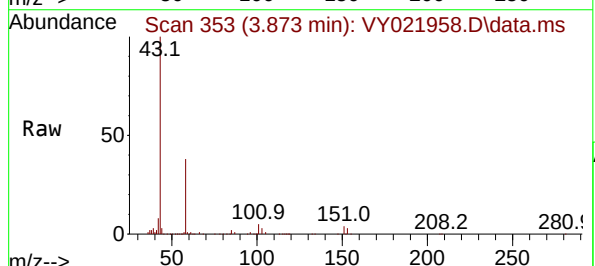
Acq: 22 Apr 2025 16:15

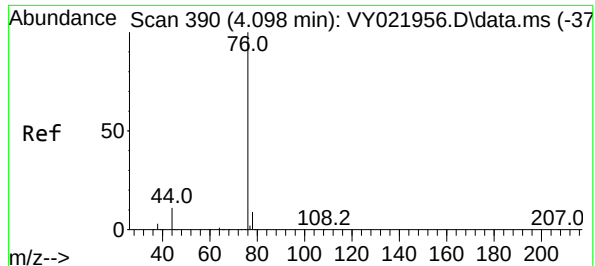
Tgt Ion: 43 Resp: 303420

Ion Ratio Lower Upper

43 100

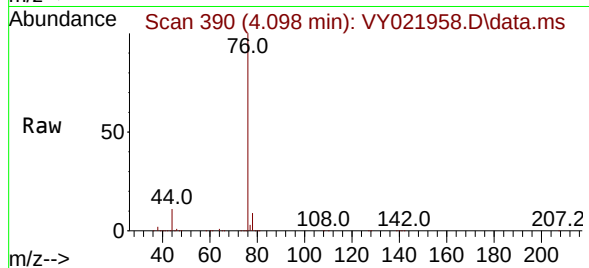
58 37.8 27.0 40.4





#17
Carbon Disulfide
Concen: 138.054 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

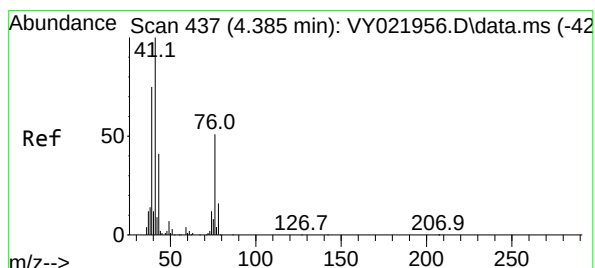
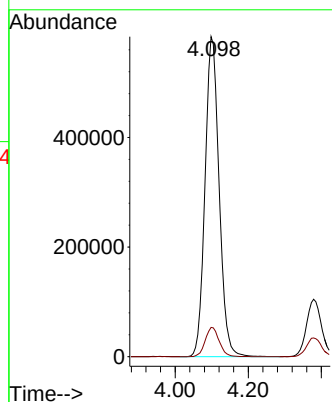
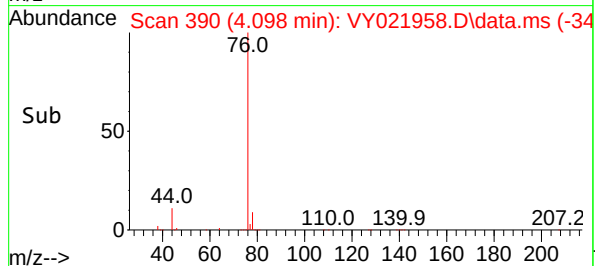
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 155684
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

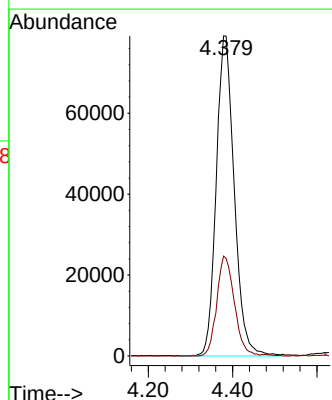
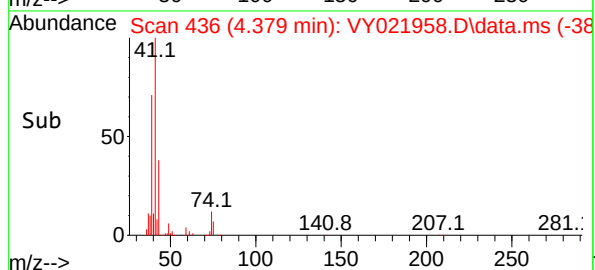
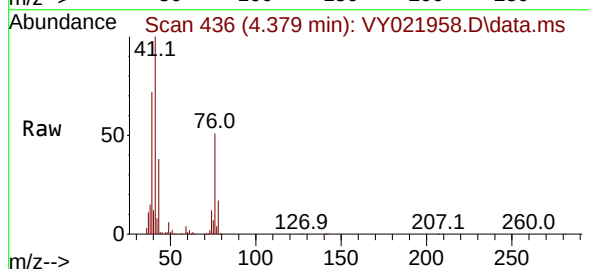
Manual Integrations
APPROVED

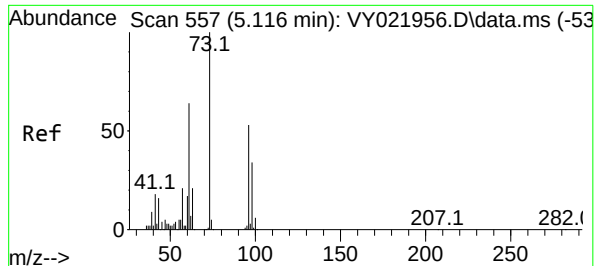
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#18
Methyl Acetate
Concen: 152.216 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

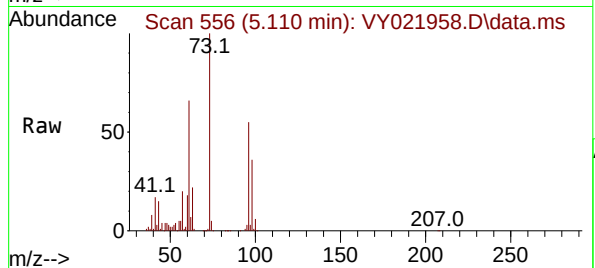
Tgt Ion: 43 Resp: 233664
Ion Ratio Lower Upper
43 100
74 30.5 24.2 36.4





#19
Methyl tert-butyl Ether
Concen: 152.936 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

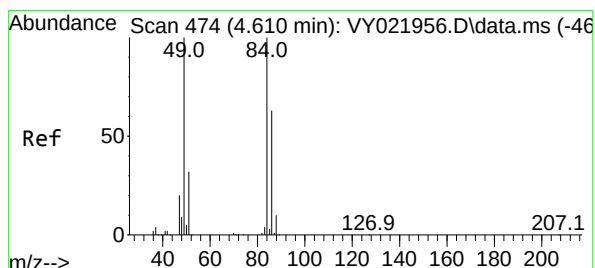
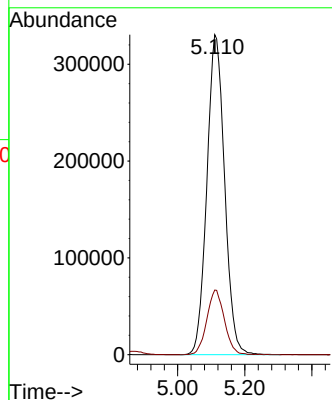
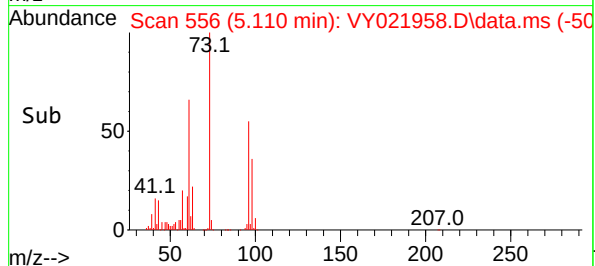
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 73 Resp: 121065
Ion Ratio Lower Upper
73 100
57 20.2 16.9 25.3

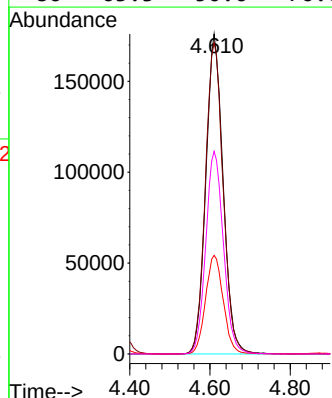
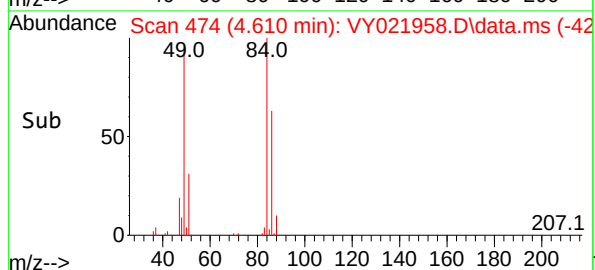
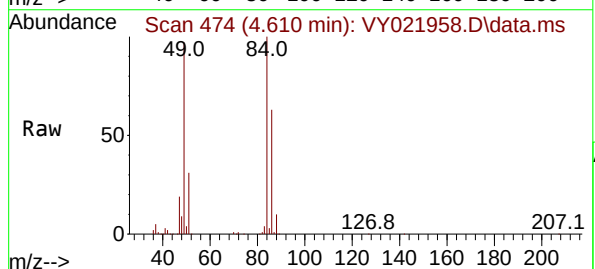
Manual Integrations
APPROVED

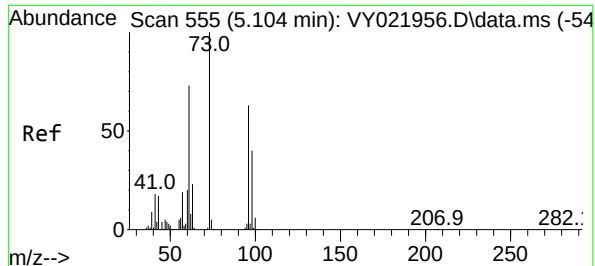
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#20
Methylene Chloride
Concen: 126.805 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 84 Resp: 526924
Ion Ratio Lower Upper
84 100
49 97.3 79.9 119.9
51 30.8 25.4 38.0
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 143.443 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 568174

Ion Ratio Lower Upper

96 100

61 119.7 92.6 138.8

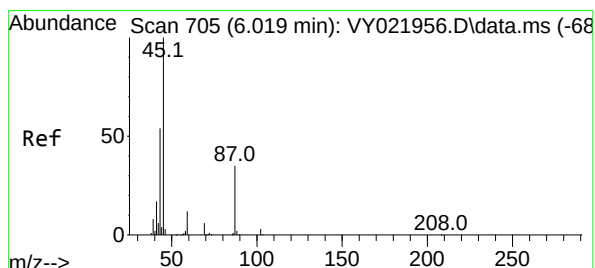
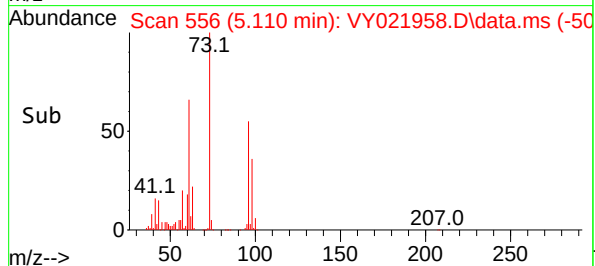
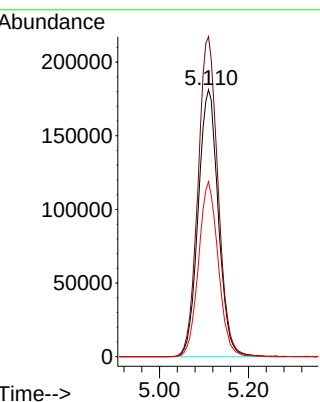
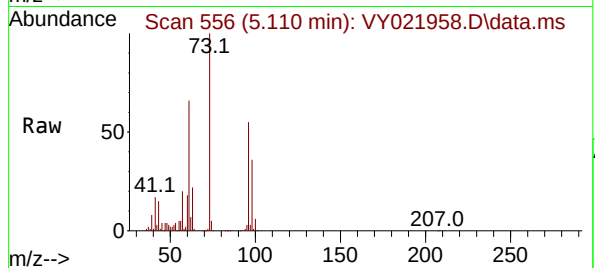
98 65.6 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#22

Diisopropyl ether

Concen: 145.303 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion: 45 Resp: 1331652

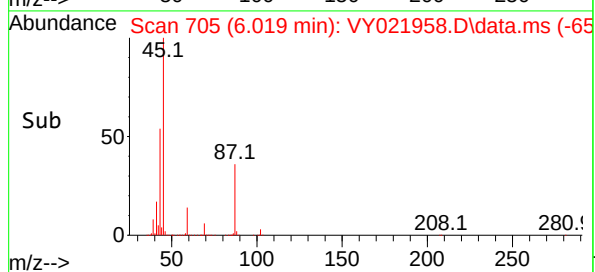
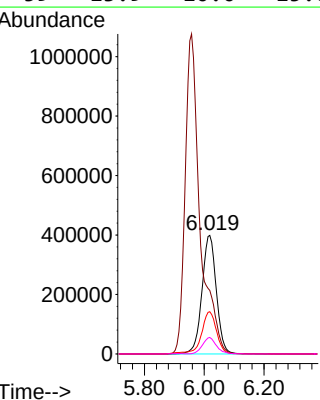
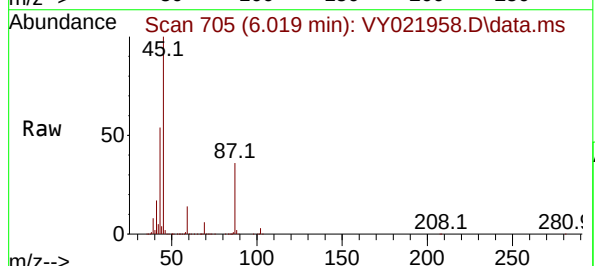
Ion Ratio Lower Upper

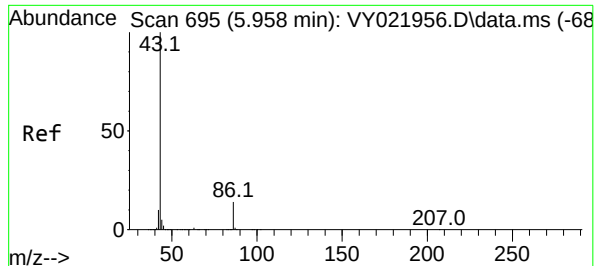
45 100

43 53.6 43.6 65.4

87 35.7 28.2 42.4

59 13.9 10.0 15.0





#23

Vinyl Acetate

Concen: 750.348 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3706070

Ion Ratio Lower Upper

43

100

86

14.2

11.1

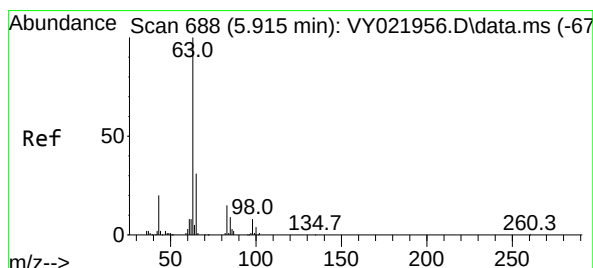
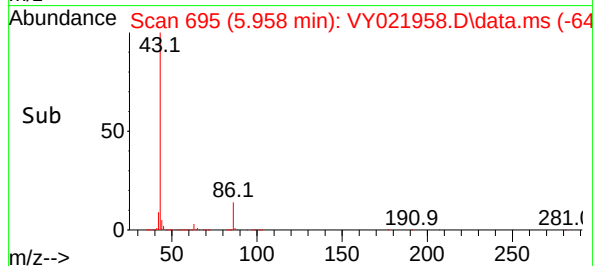
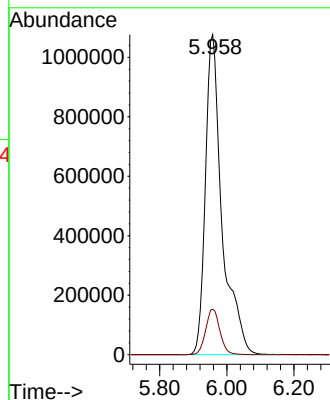
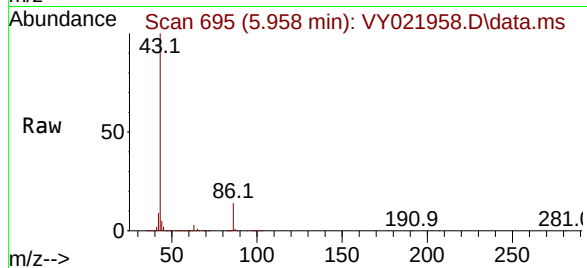
16.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#24

1,1-Dichloroethane

Concen: 138.707 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 881143

Ion Ratio Lower Upper

63

100

98

8.4

4.0

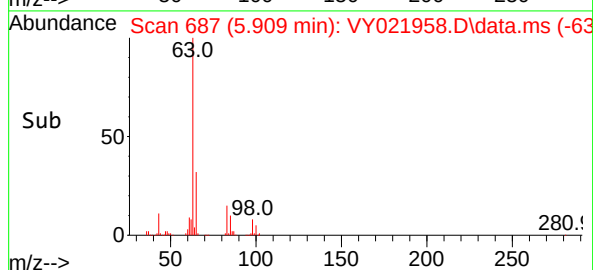
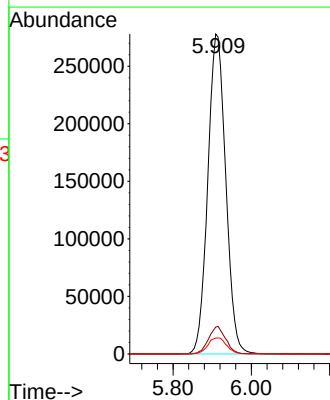
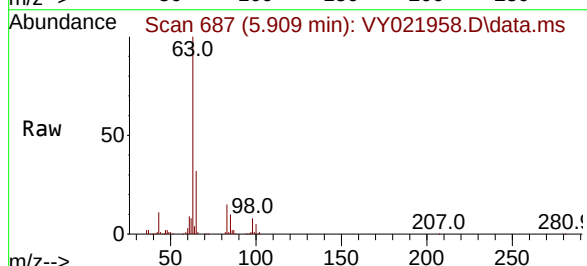
11.9

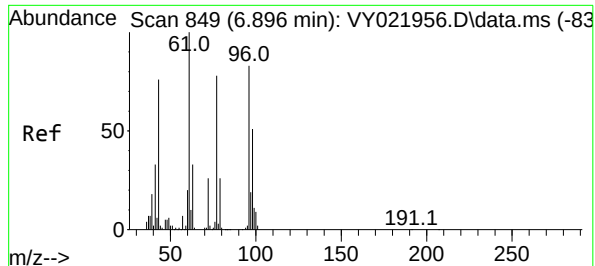
100

4.9

2.0

6.0





#25

2-Butanone

Concen: 711.701 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 53312

Ion Ratio Lower Upper

43

100

72

35.1

27.0

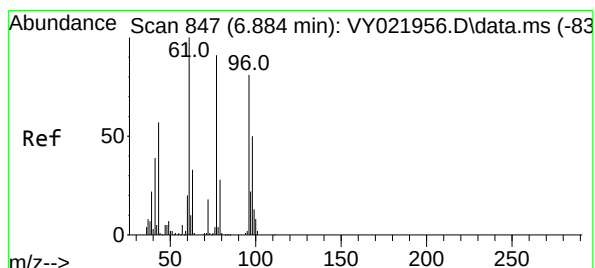
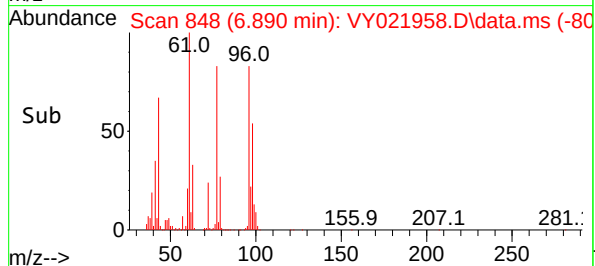
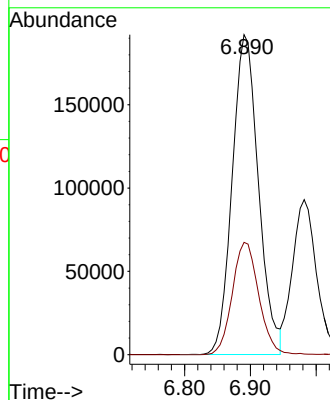
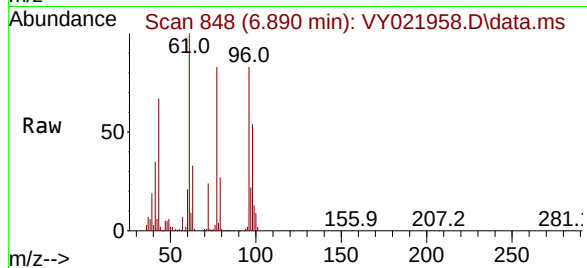
40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#26

2,2-Dichloropropane

Concen: 143.320 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Tgt Ion: 77 Resp: 797978

Ion Ratio Lower Upper

77

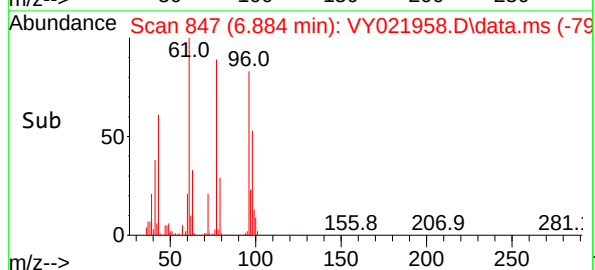
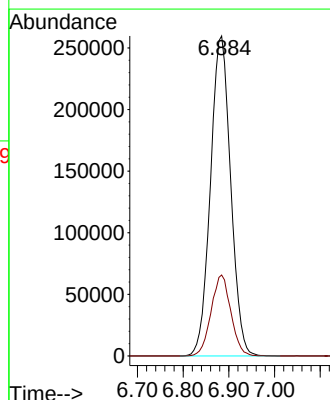
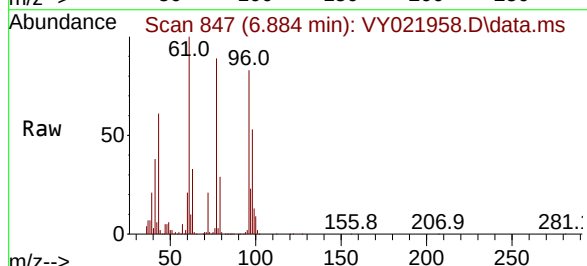
100

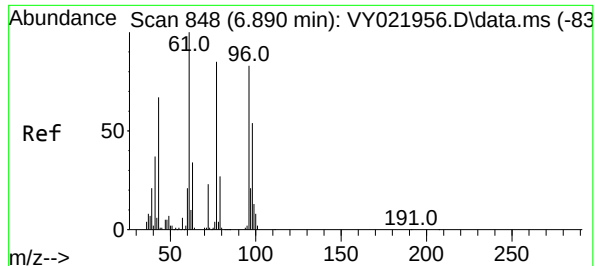
97

24.8

12.4

37.4





#27

cis-1,2-Dichloroethene

Concen: 149.760 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 663284

Ion Ratio Lower Upper

96 100

61 123.8 0.0 251.4

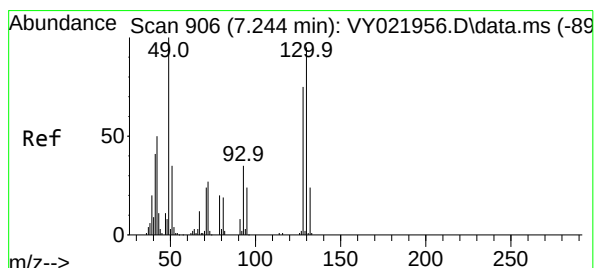
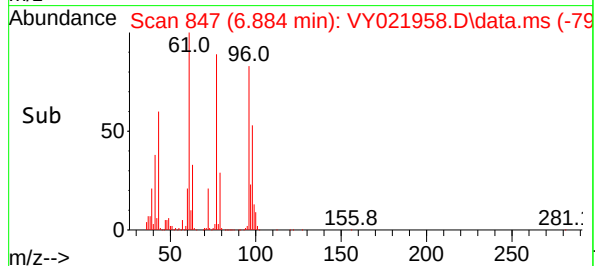
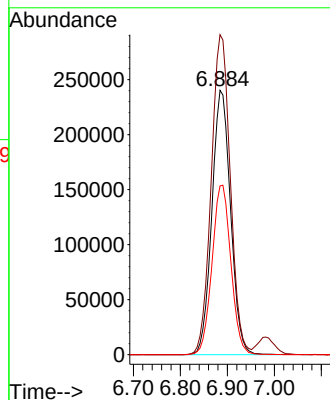
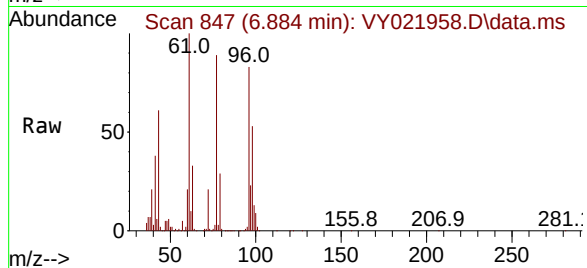
98 64.7 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#28

Bromochloromethane

Concen: 135.876 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

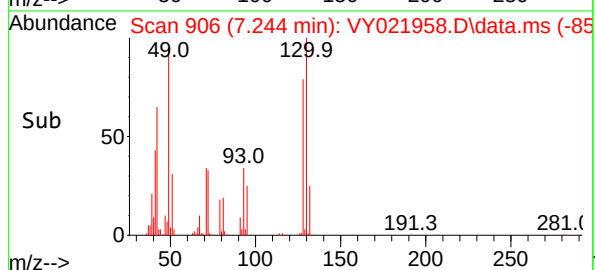
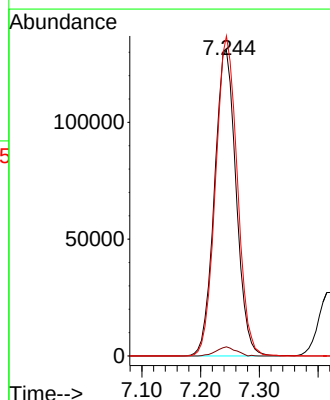
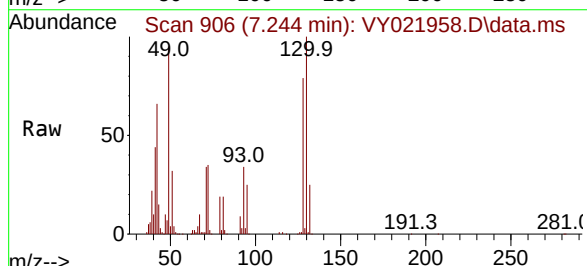
Tgt Ion: 49 Resp: 335269

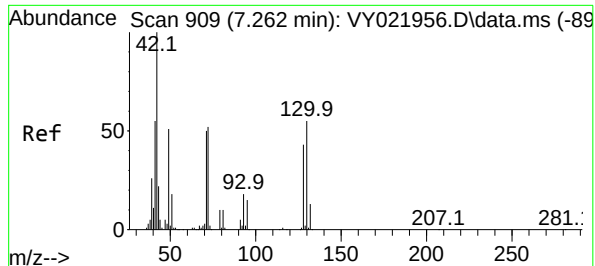
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.0

130 104.5 78.2 117.4





#29

Tetrahydrofuran

Concen: 734.980 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 35758

Ion Ratio Lower Upper

42 100

72 57.2 42.6 63.8

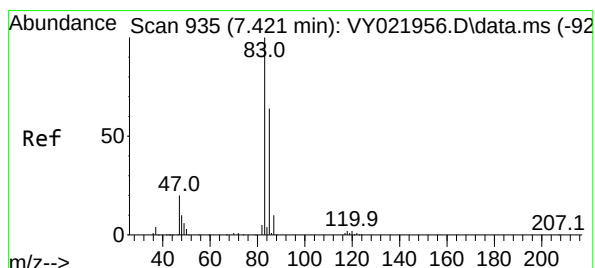
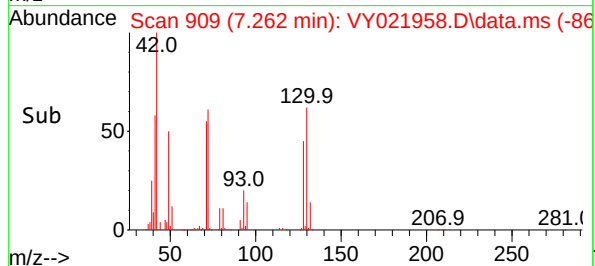
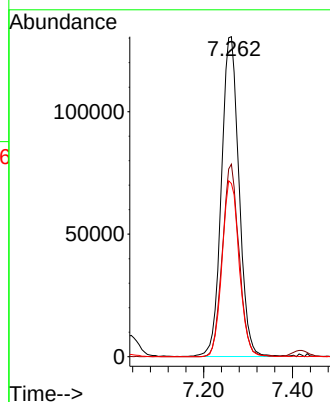
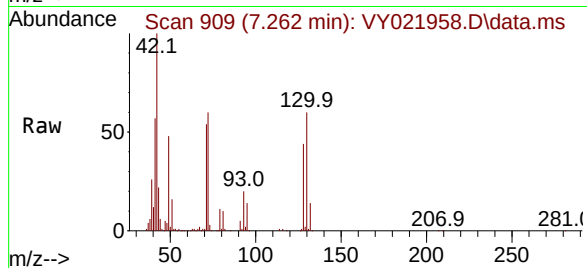
71 53.5 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#30

Chloroform

Concen: 140.042 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021958.D

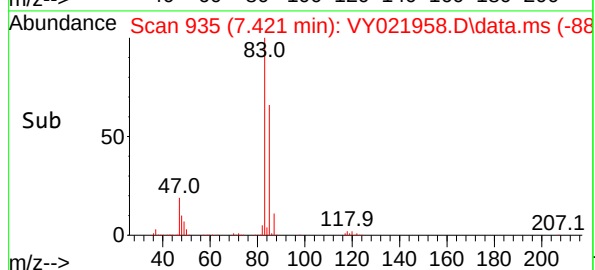
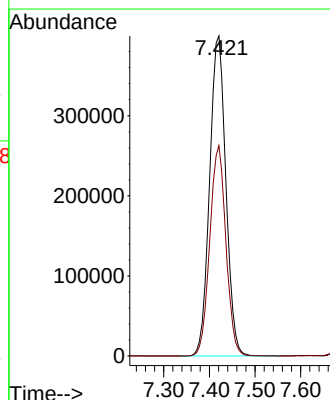
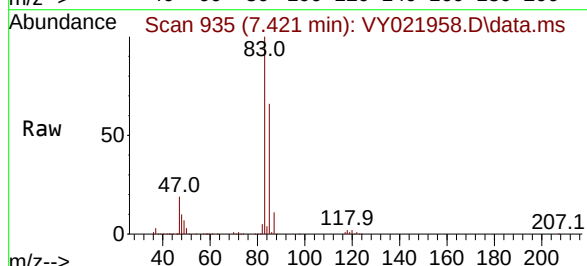
Acq: 22 Apr 2025 16:15

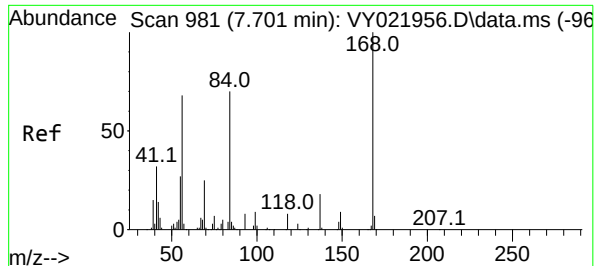
Tgt Ion: 83 Resp: 986793

Ion Ratio Lower Upper

83 100

85 65.7 51.3 76.9





#31

Cyclohexane

Concen: 139.782 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 759349

Ion Ratio Lower Upper

56 100

69 33.8 29.4 44.2

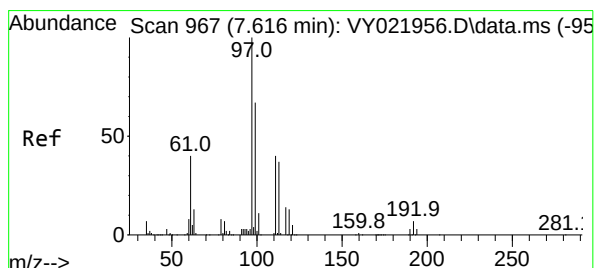
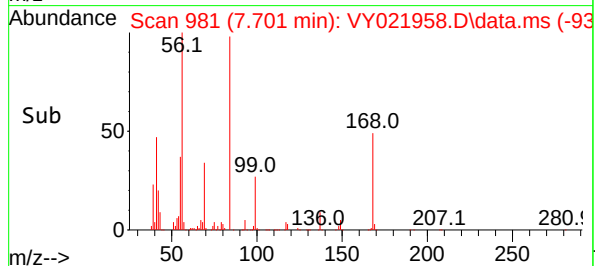
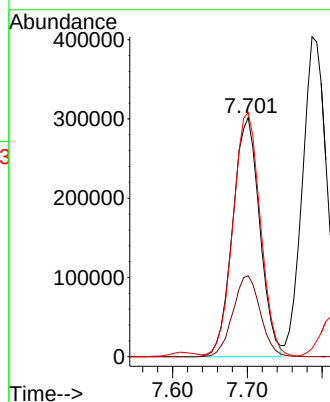
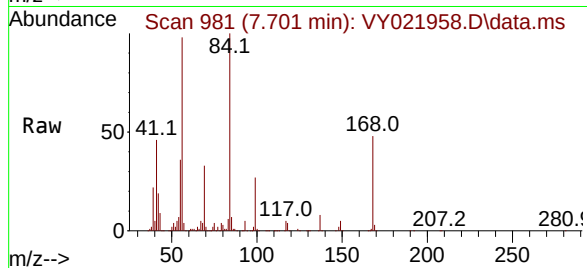
84 100.2 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#32

1,1,1-Trichloroethane

Concen: 141.659 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

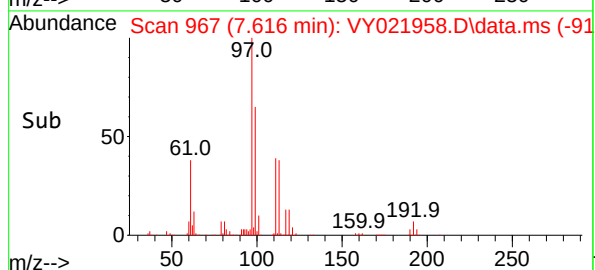
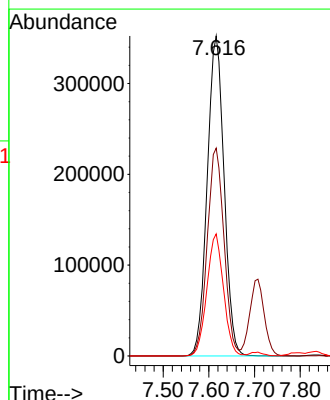
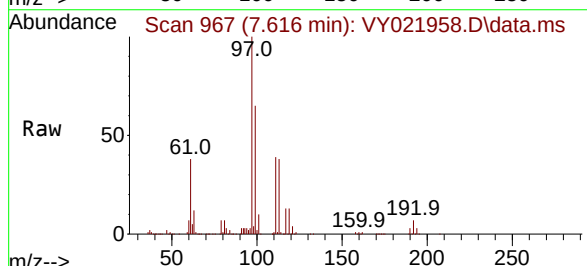
Tgt Ion: 97 Resp: 903077

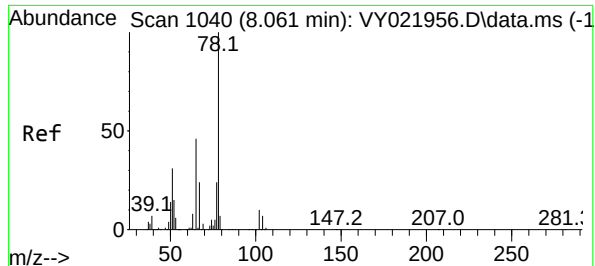
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

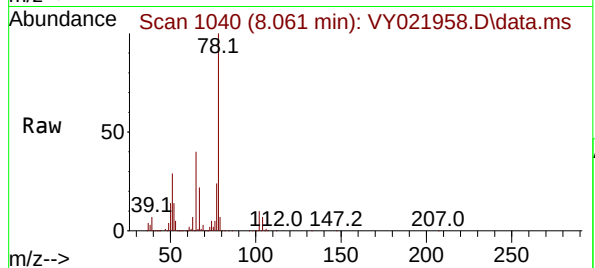
61 37.7 31.4 47.2





#33
1,2-Dichloroethane-d4
Concen: 138.662 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

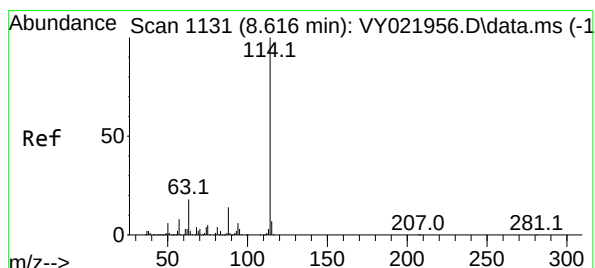
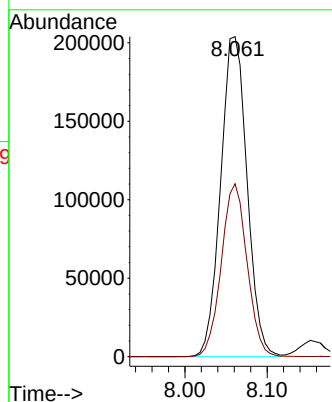
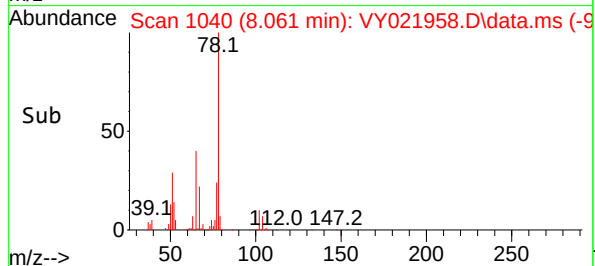
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 65 Resp: 455670
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

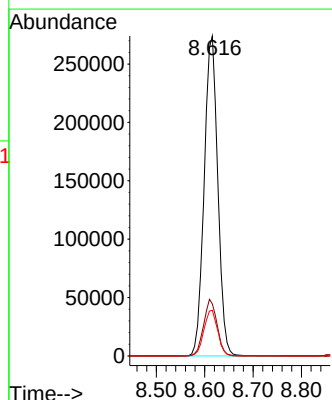
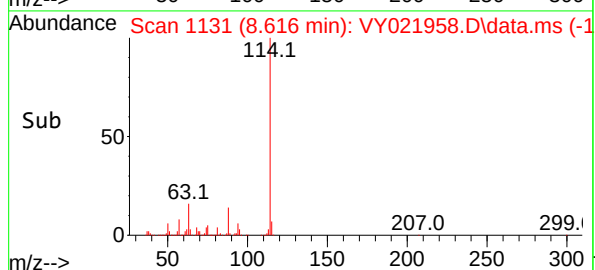
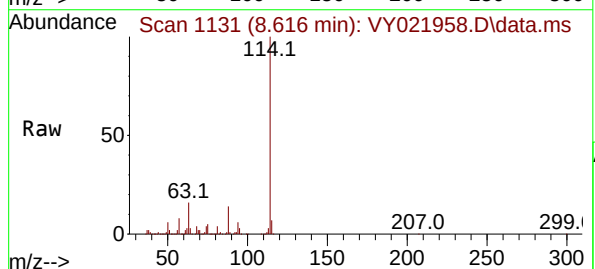
Manual Integrations
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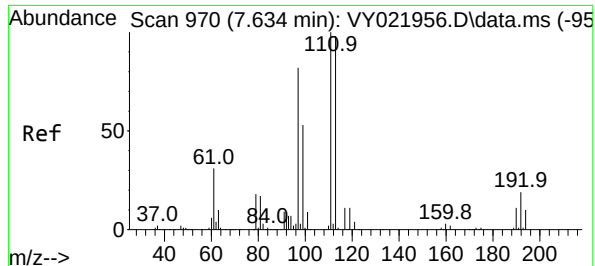
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:114 Resp: 536479
Ion Ratio Lower Upper
114 100
63 16.3 0.0 35.4
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 148.312 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 525659

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

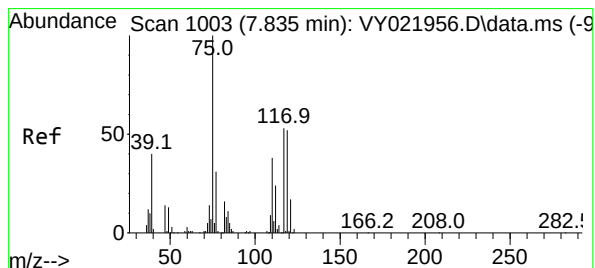
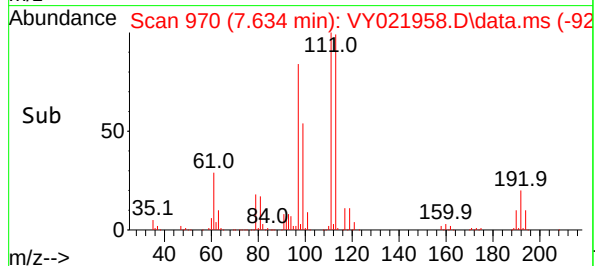
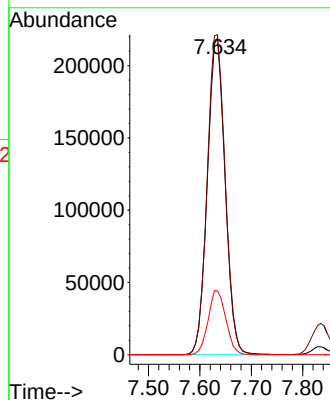
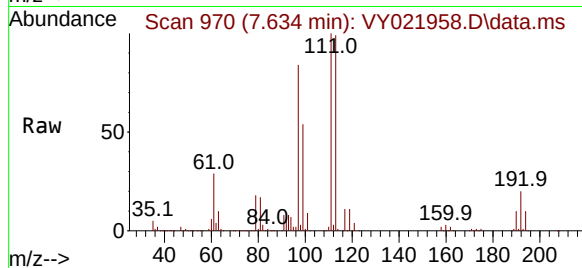
192 20.2 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#36

1,1-Dichloropropene

Concen: 147.634 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

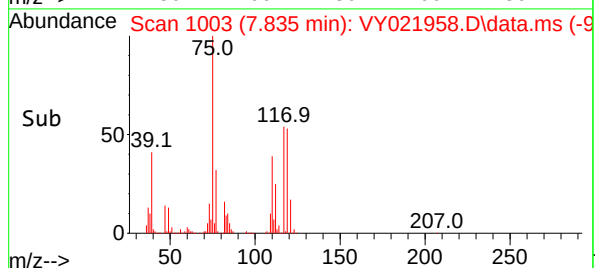
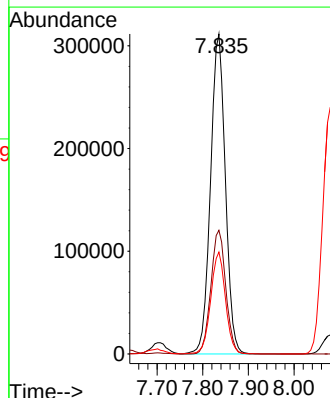
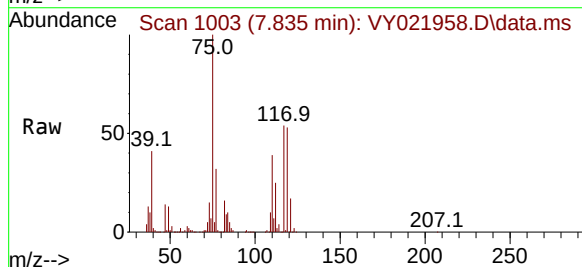
Tgt Ion: 75 Resp: 702870

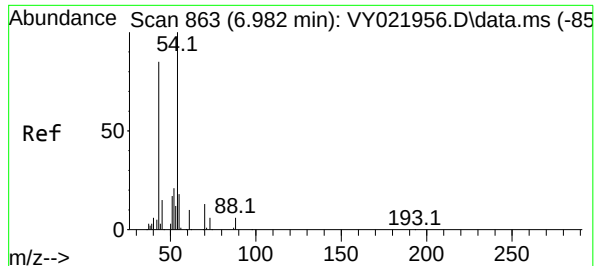
Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.3

77 31.7 25.5 38.3





#37

Ethyl Acetate

Concen: 144.169 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 243190

Ion Ratio Lower Upper

43 100

61 16.6 13.8 20.6

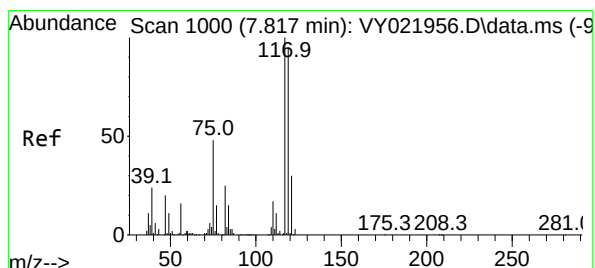
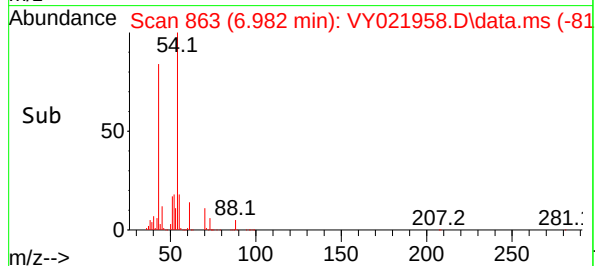
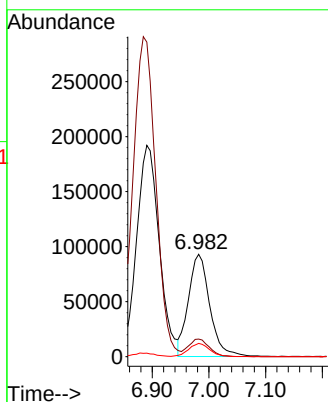
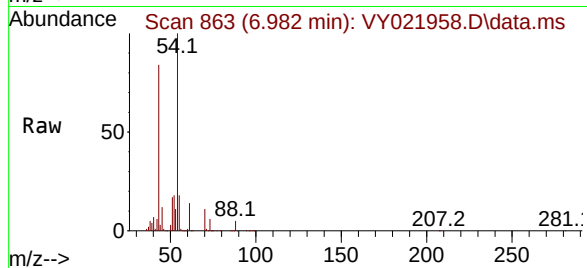
70 12.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#38

Carbon Tetrachloride

Concen: 147.902 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

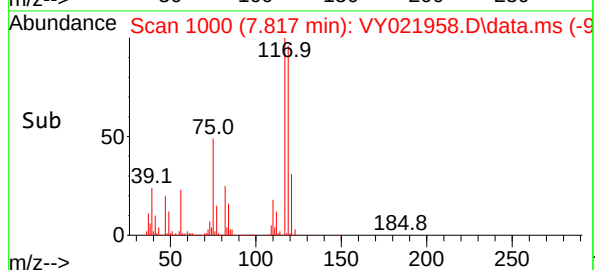
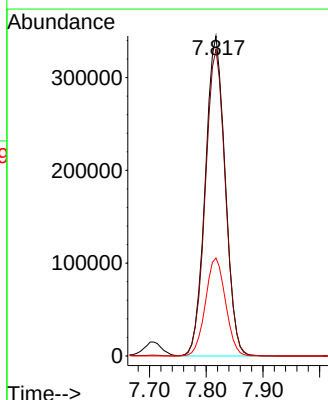
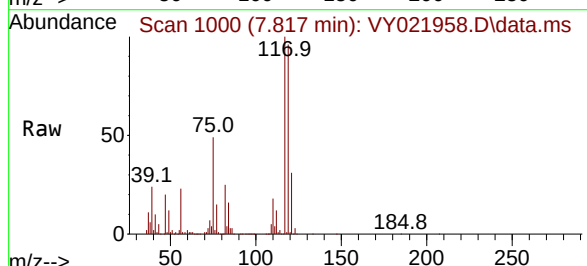
Tgt Ion:117 Resp: 841409

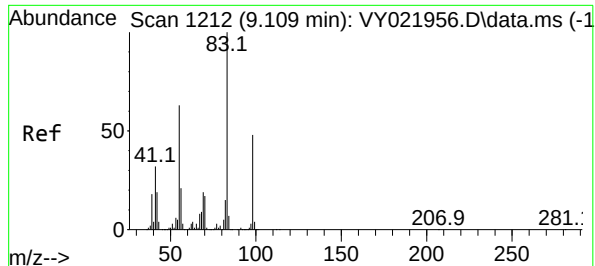
Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.4

121 30.6 24.0 36.0





#39

Methylcyclohexane

Concen: 158.153 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 947540

Ion Ratio Lower Upper

83 100

55 65.7 50.6 75.8

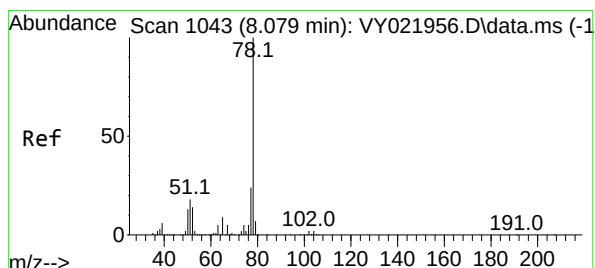
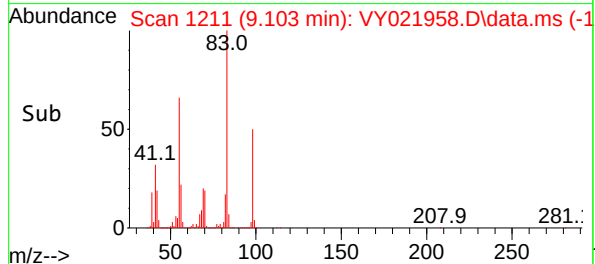
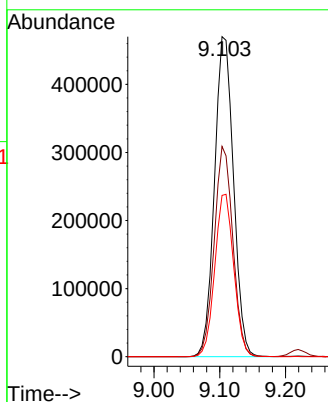
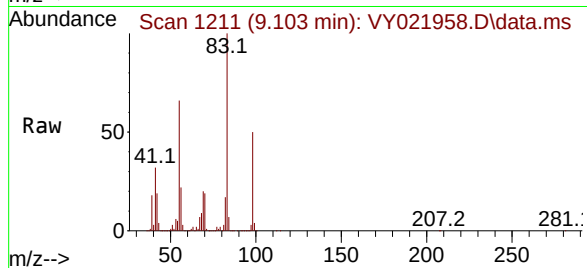
98 50.4 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#40

Benzene

Concen: 146.818 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021958.D

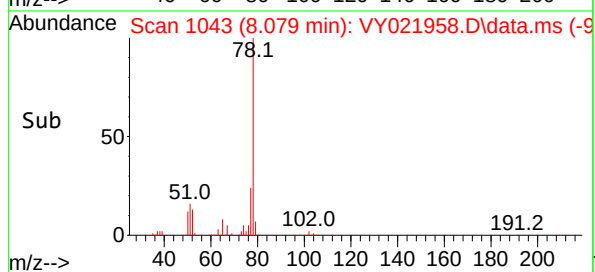
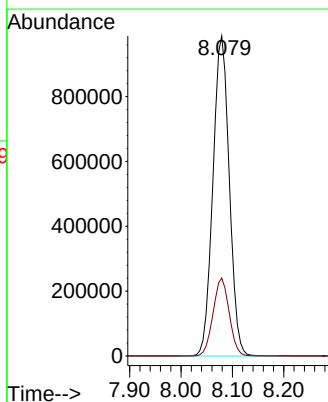
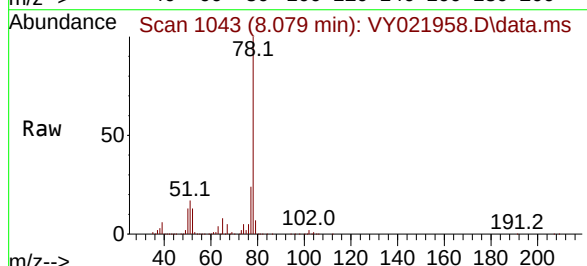
Acq: 22 Apr 2025 16:15

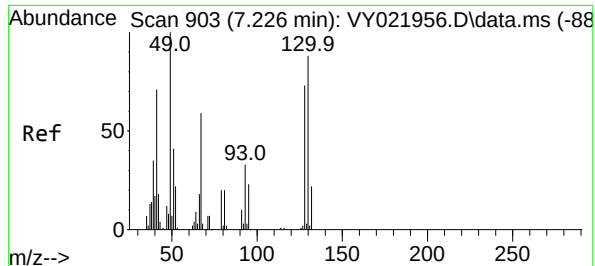
Tgt Ion: 78 Resp: 2184995

Ion Ratio Lower Upper

78 100

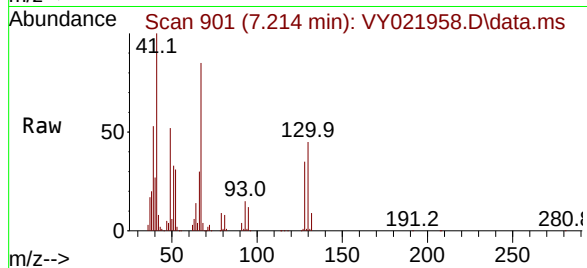
77 24.4 19.3 28.9





#41
Methacrylonitrile
Concen: 144.765 ug/l
RT: 7.214 min Scan# 901
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

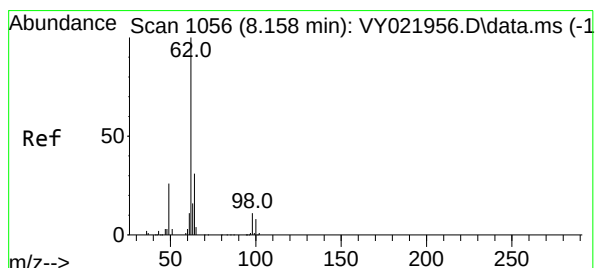
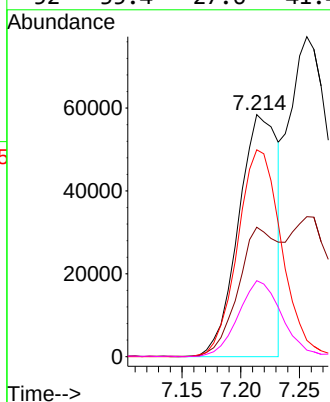
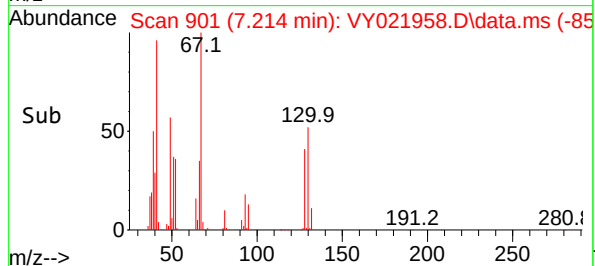
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 135364
Ion Ratio Lower Upper
41 100
39 60.3 36.6 55.0
67 96.7 72.2 108.4
52 35.4 27.6 41.4

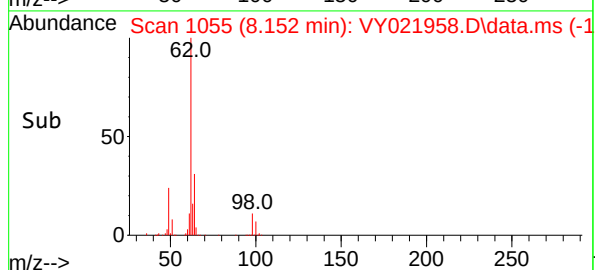
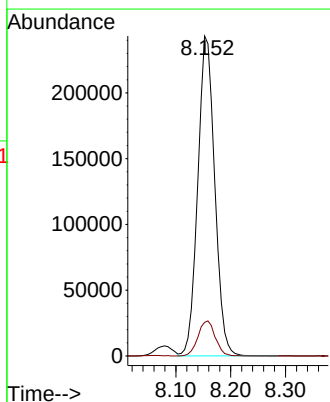
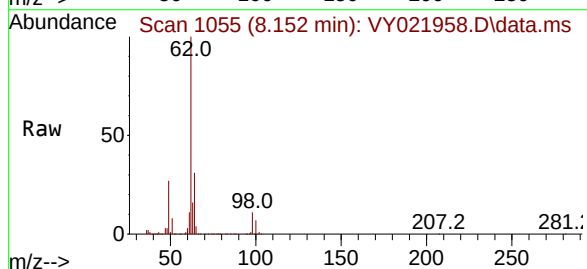
Manual Integrations
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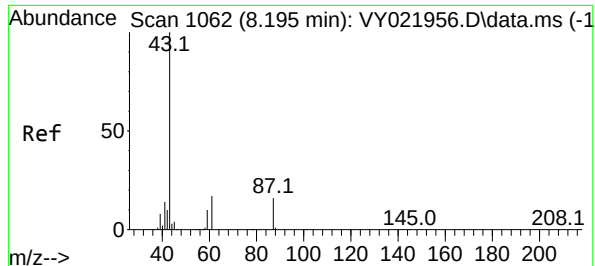
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#42
1,2-Dichloroethane
Concen: 141.914 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 522909
Ion Ratio Lower Upper
62 100
98 11.2 0.0 22.0





#43

Isopropyl Acetate

Concen: 151.020 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021958.D

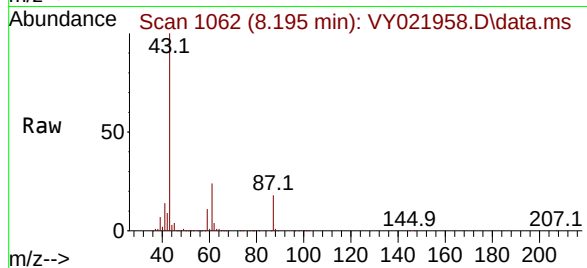
Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

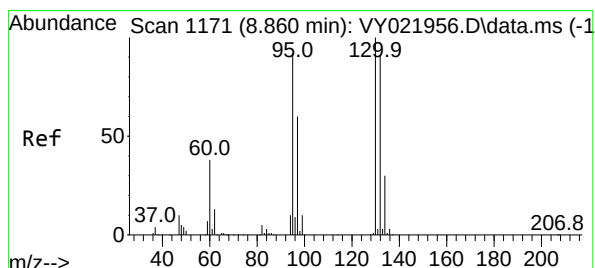
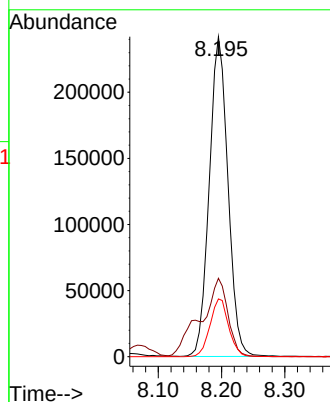
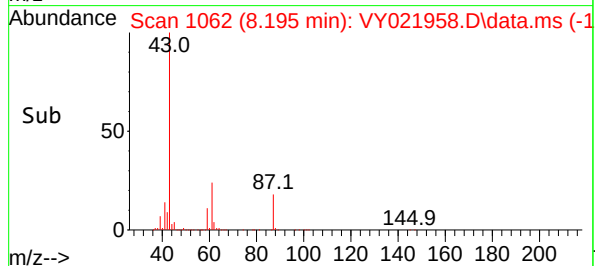


Tgt Ion:	43	Resp:	495904
Ion Ratio	100	Lower	Upper
43	100		
61	35.6	18.9	28.3
87	18.1	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#44

Trichloroethene

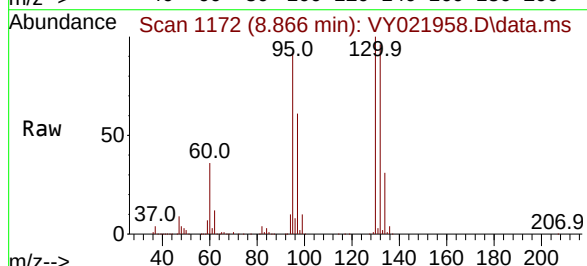
Concen: 146.435 ug/l

RT: 8.866 min Scan# 1172

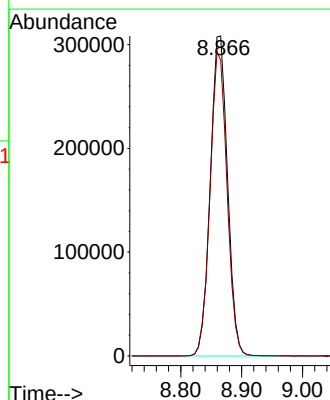
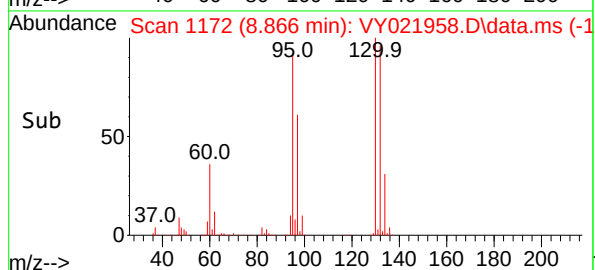
Delta R.T. 0.006 min

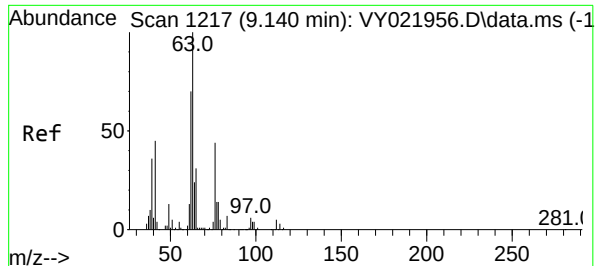
Lab File: VY021958.D

Acq: 22 Apr 2025 16:15



Tgt Ion:	130	Resp:	603635
Ion Ratio	100	Lower	Upper
130	100		
95	92.4	0.0	183.2





#45

1,2-Dichloropropane

Concen: 143.782 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 473210

Ion Ratio Lower Upper

63 100

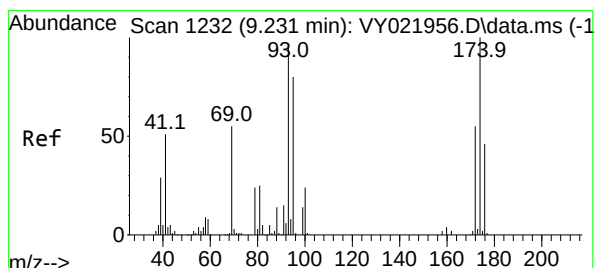
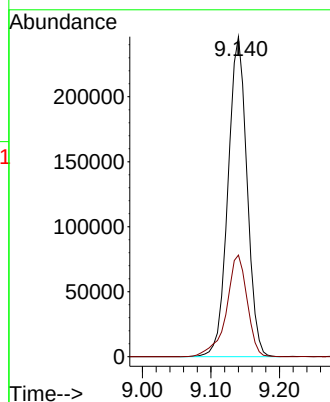
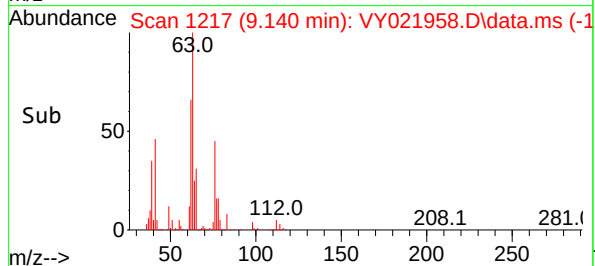
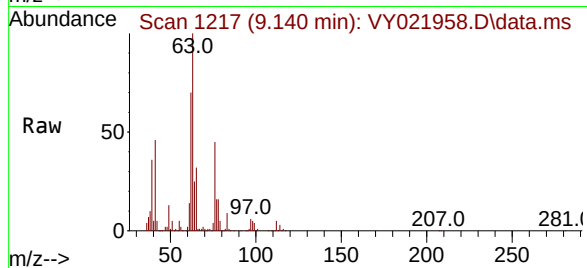
65 31.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#46

Dibromomethane

Concen: 145.844 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

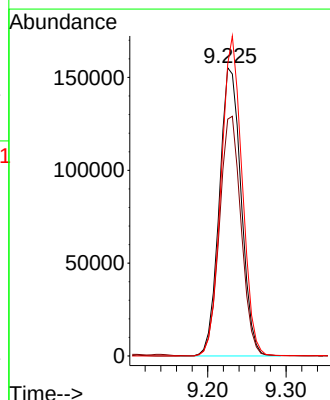
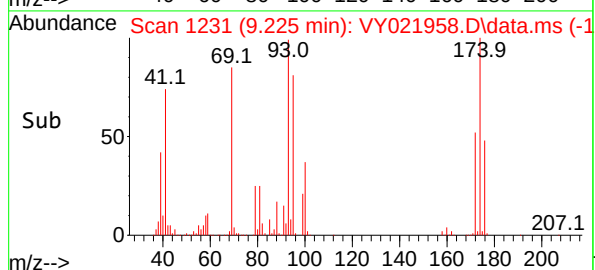
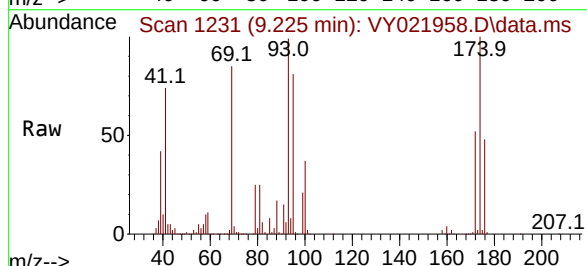
Tgt Ion: 93 Resp: 300473

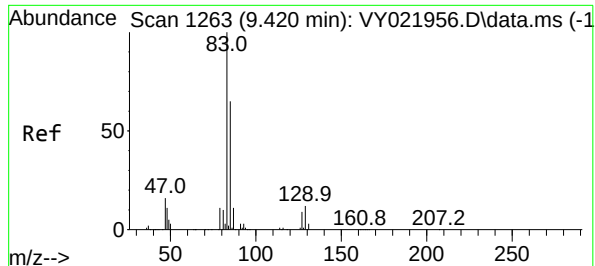
Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

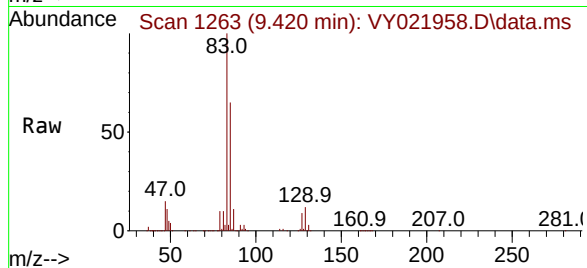
174 106.9 84.6 127.0





#47
Bromodichloromethane
Concen: 147.426 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

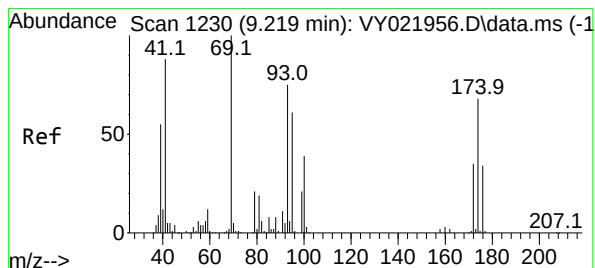
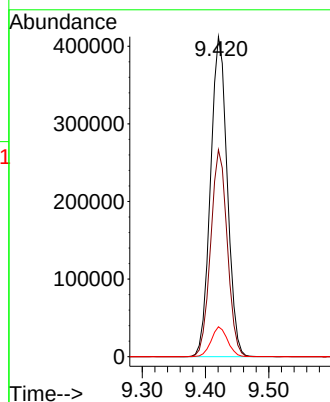
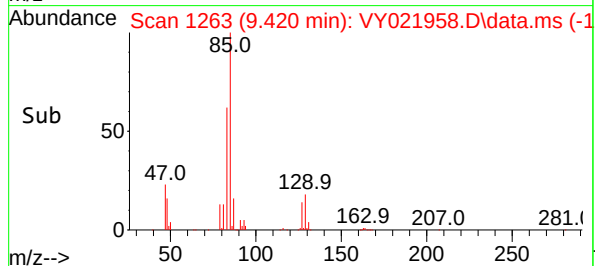
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 75877
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8
127 9.3 7.0 10.6

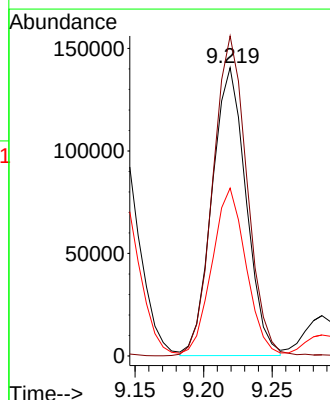
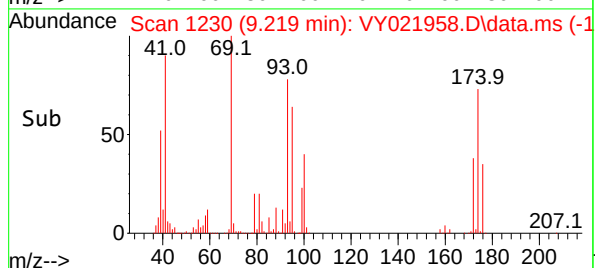
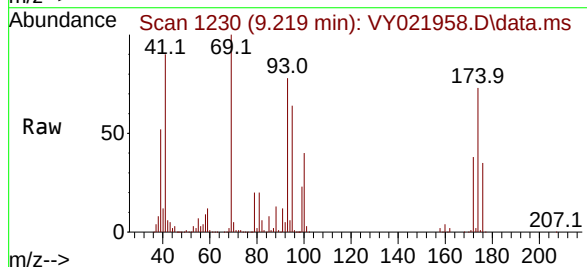
Manual Integrations
APPROVED

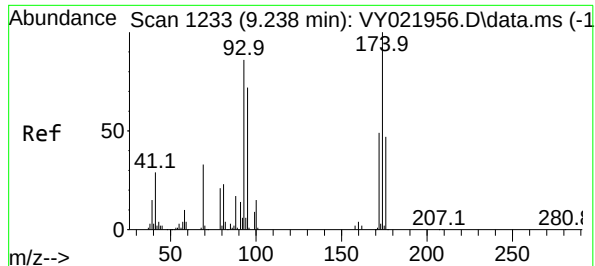
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#48
Methyl methacrylate
Concen: 160.190 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 243168
Ion Ratio Lower Upper
41 100
69 111.2 85.5 128.3
39 56.5 46.2 69.4





#49

1,4-Dioxane

Concen: 3029.677 ug/l

RT: 9.225 min Scan# 1233

Delta R.T. -0.012 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 66528

Ion Ratio Lower Upper

88 100

43 25.3 21.3 31.9

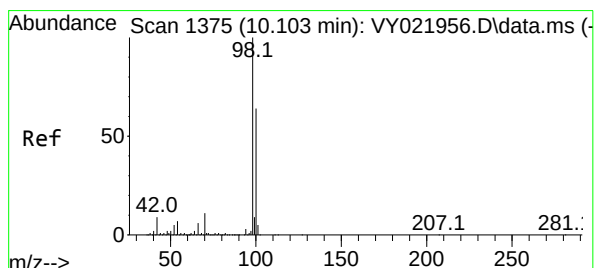
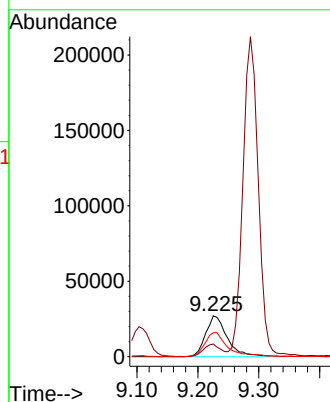
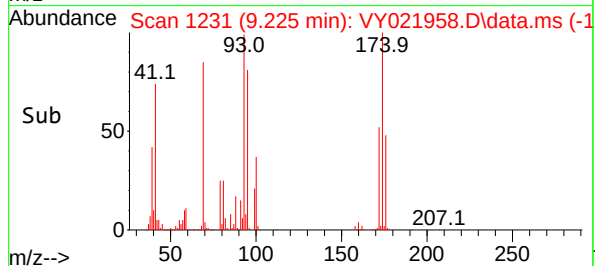
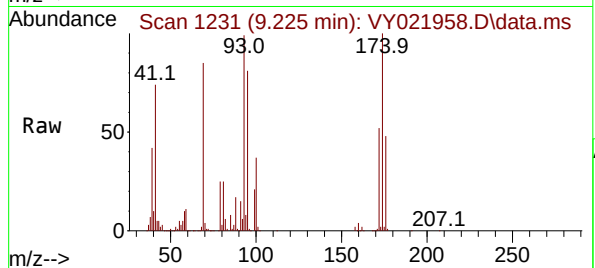
58 63.5 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#50

Toluene-d8

Concen: 151.892 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021958.D

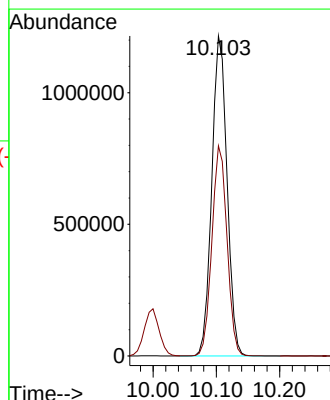
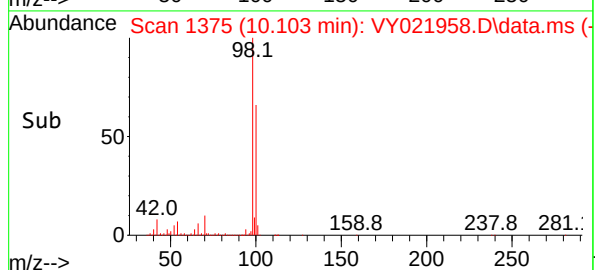
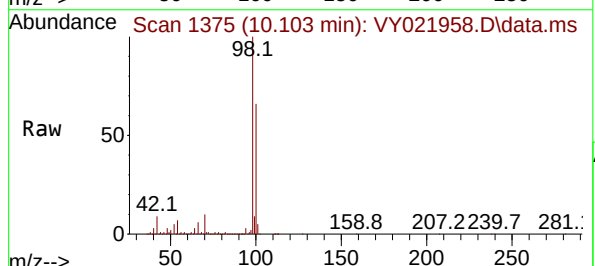
Acq: 22 Apr 2025 16:15

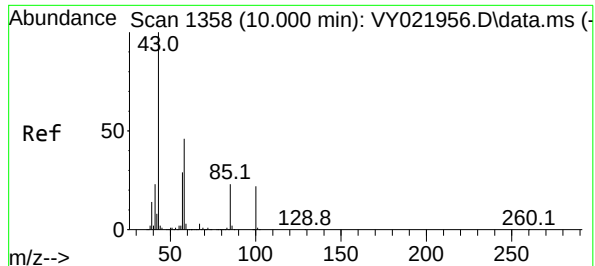
Tgt Ion: 98 Resp: 2029557

Ion Ratio Lower Upper

98 100

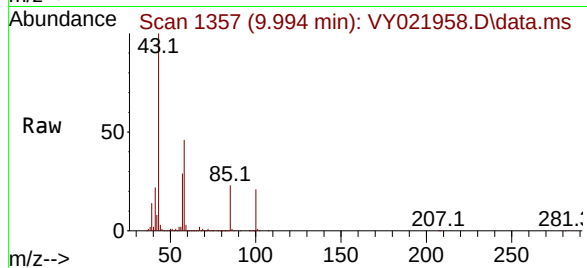
100 65.3 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 773.306 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

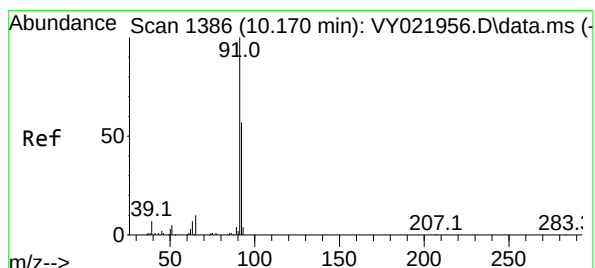
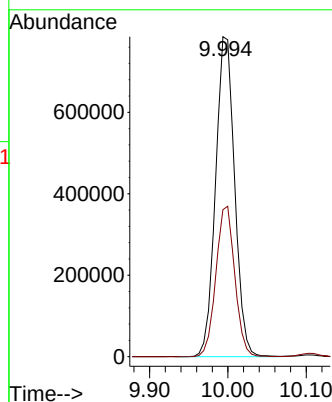
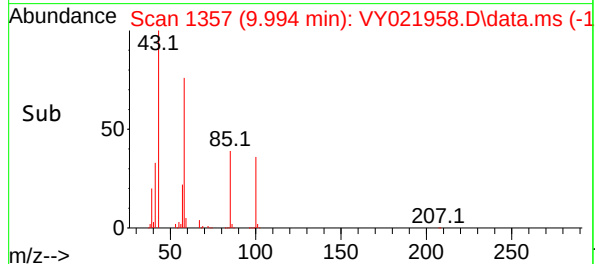
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1331129
Ion Ratio Lower Upper
43 100
58 46.5 36.6 55.0

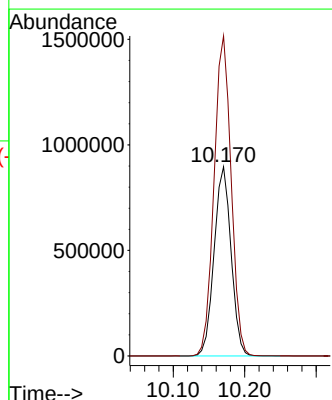
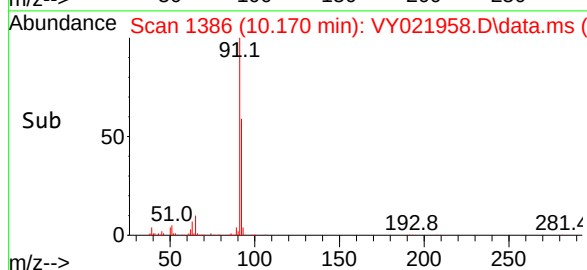
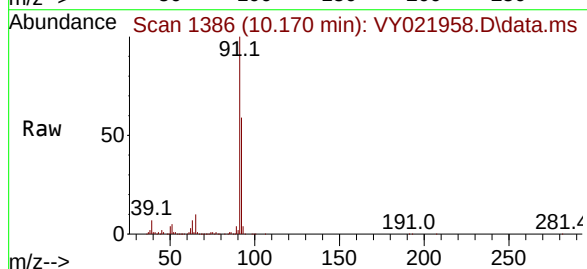
Manual Integrations
APPROVED

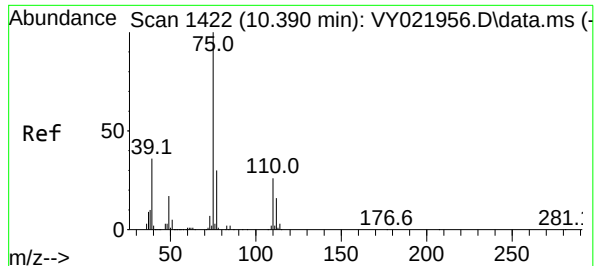
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#52
Toluene
Concen: 152.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

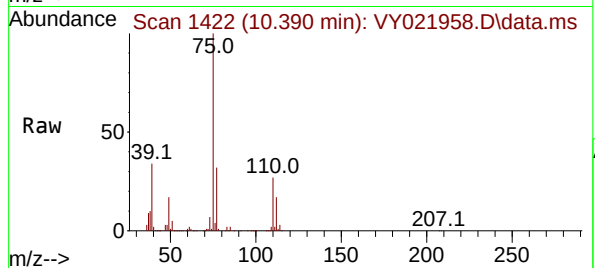
Tgt Ion: 92 Resp: 1470005
Ion Ratio Lower Upper
92 100
91 170.9 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 154.922 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

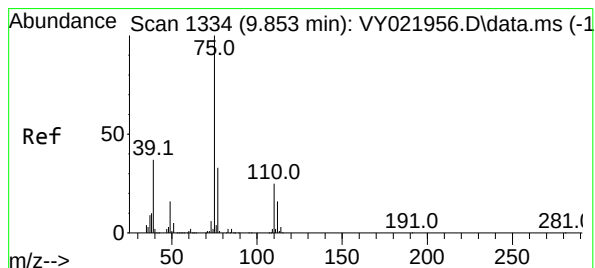
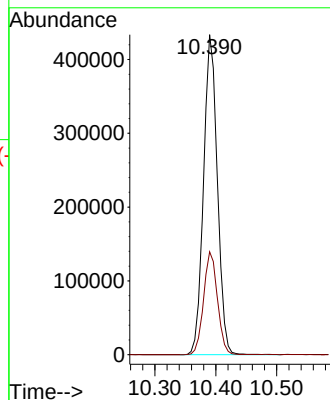
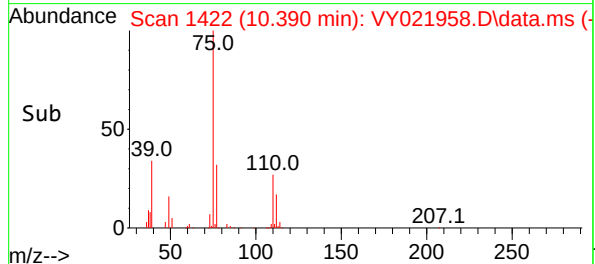
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 683920
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

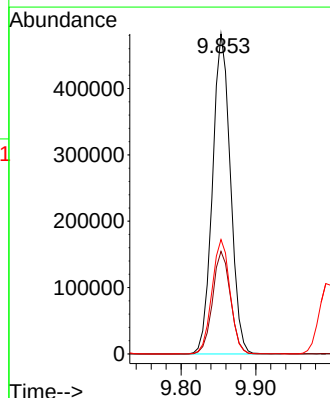
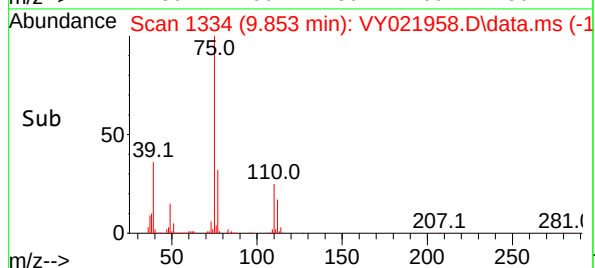
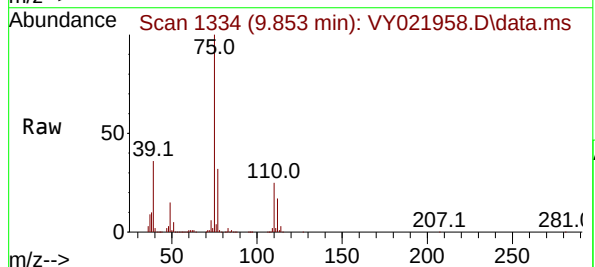
Manual Integrations
APPROVED

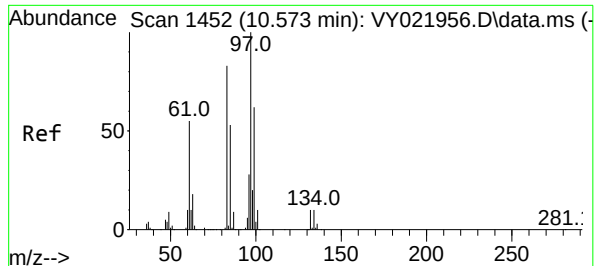
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#54
cis-1,3-Dichloropropene
Concen: 153.345 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

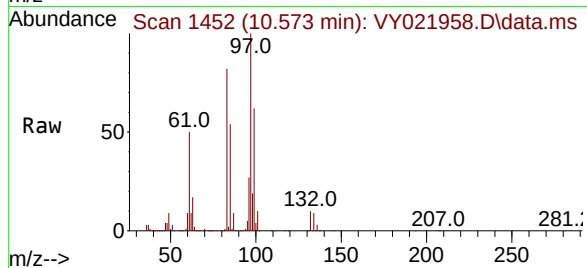
Tgt Ion: 75 Resp: 804716
Ion Ratio Lower Upper
75 100
77 32.1 26.6 40.0
39 35.7 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 147.287 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

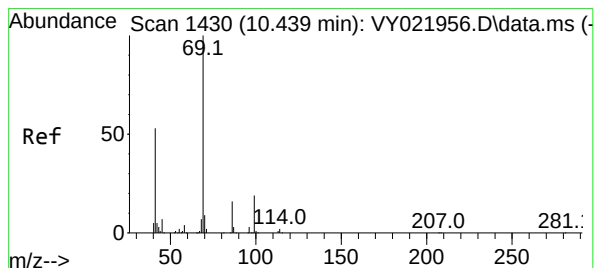
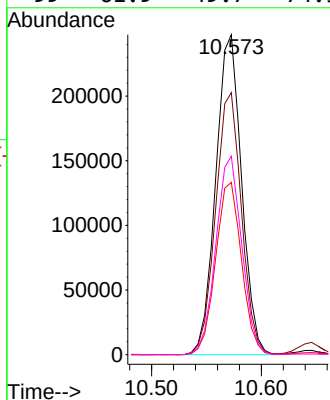
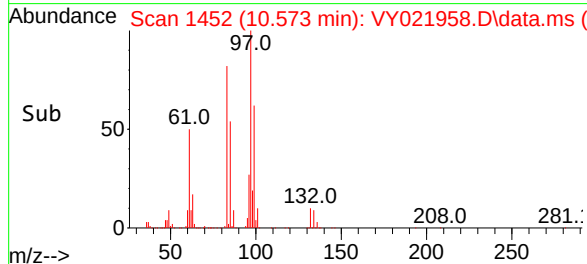
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 97 Resp: 405335
Ion Ratio Lower Upper
97 100
83 81.9 66.7 100.1
85 53.9 42.6 64.0
99 61.9 49.7 74.5

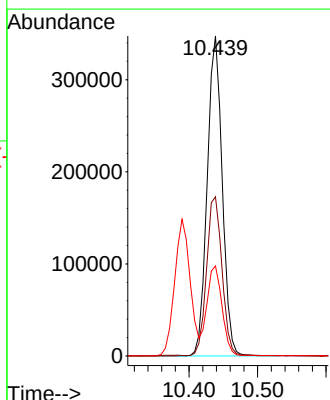
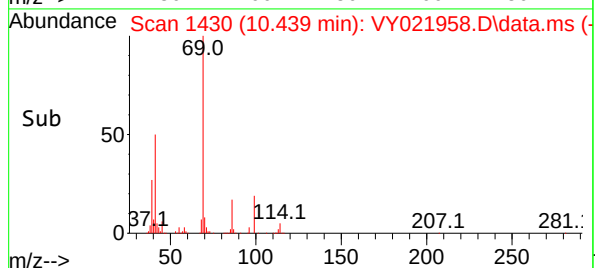
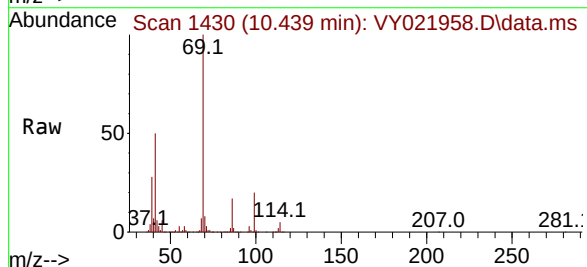
Manual Integrations
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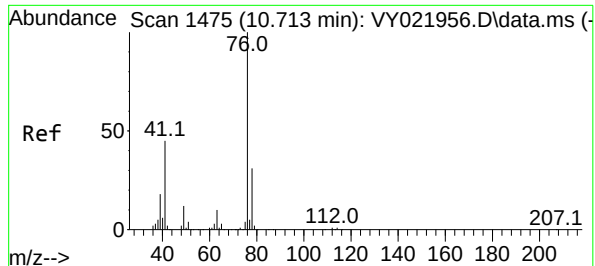
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#56
Ethyl methacrylate
Concen: 168.507 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 69 Resp: 530305
Ion Ratio Lower Upper
69 100
41 50.9 40.7 61.1
39 28.4 23.3 34.9





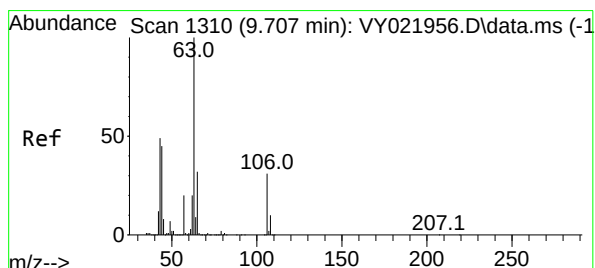
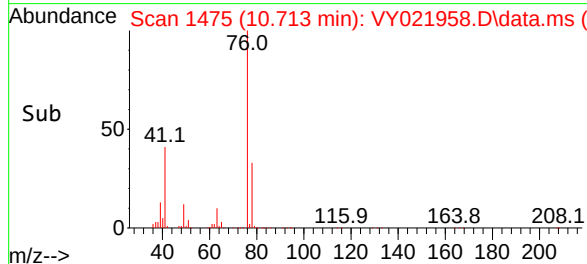
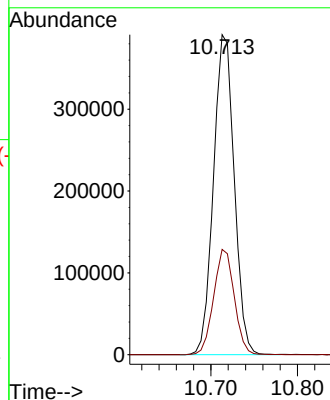
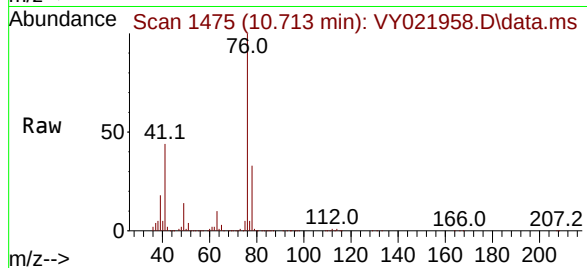
#57
1,3-Dichloropropane
Concen: 147.471 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 650614
Ion Ratio Lower Upper
76 100
78 32.7 26.6 39.8

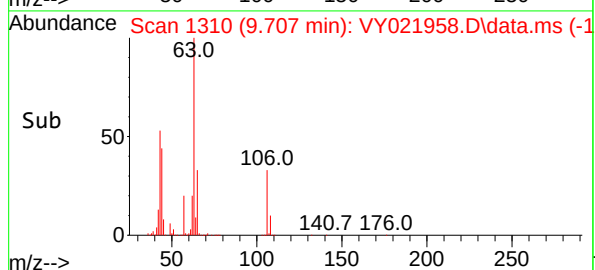
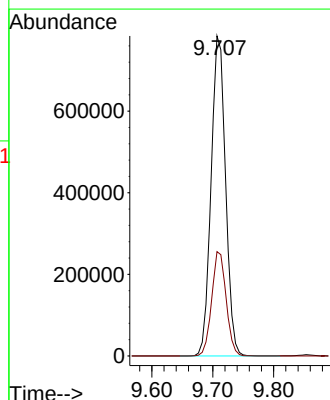
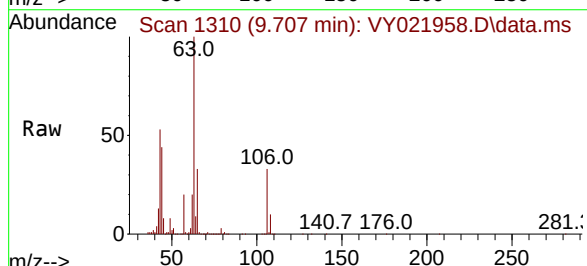
Manual Integrations
APPROVED

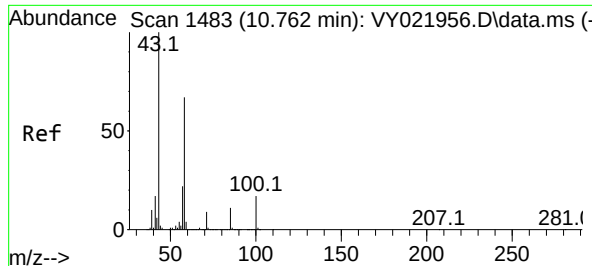
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 840.076 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

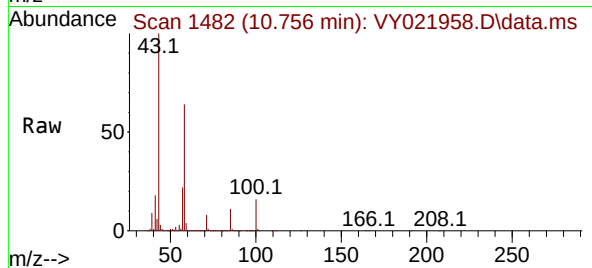
Tgt Ion: 63 Resp: 1292633
Ion Ratio Lower Upper
63 100
106 32.5 25.3 37.9





#59
2-Hexanone
Concen: 789.752 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

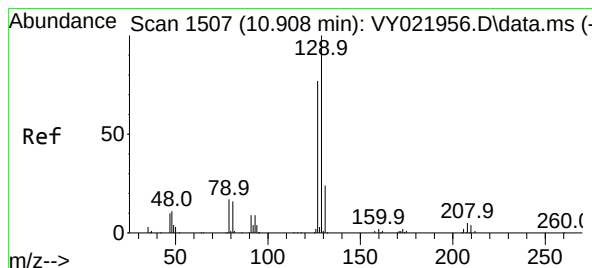
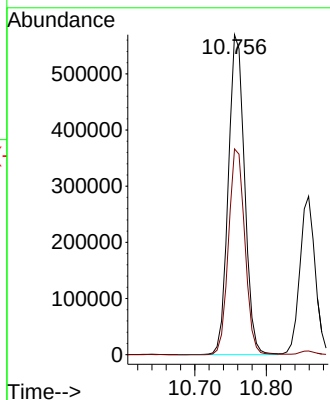
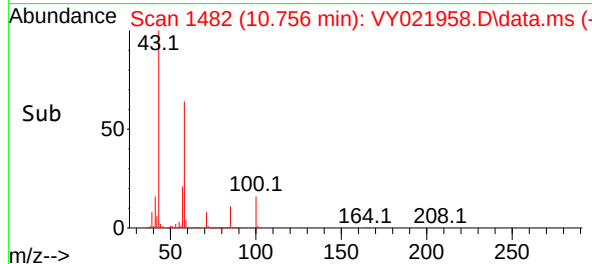
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 896663
Ion Ratio Lower Upper
43 100
58 64.8 32.0 96.0

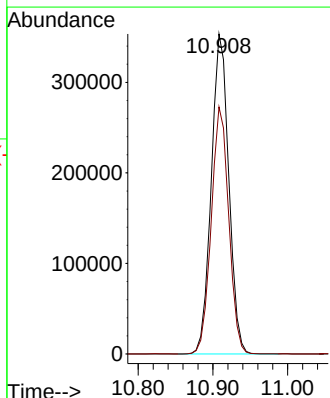
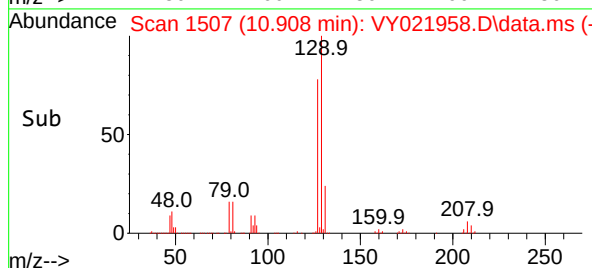
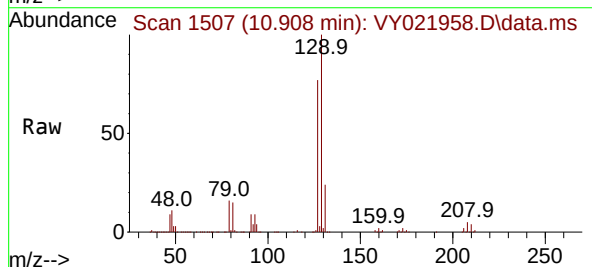
Manual Integrations
APPROVED

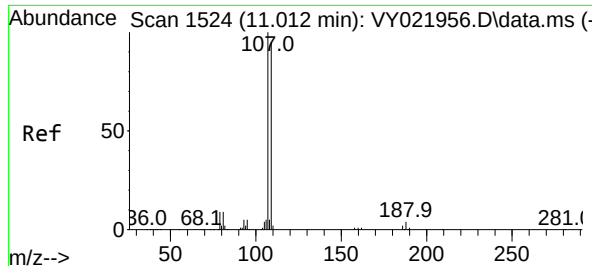
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#60
Dibromochloromethane
Concen: 150.763 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

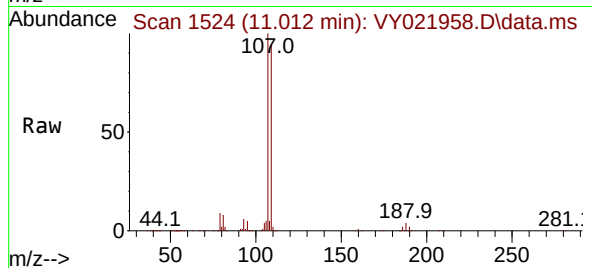
Tgt Ion:129 Resp: 574423
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61
1,2-Dibromoethane
Concen: 148.938 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

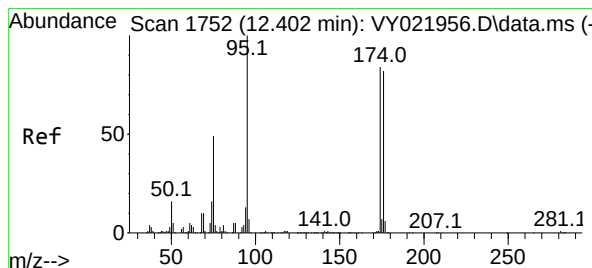
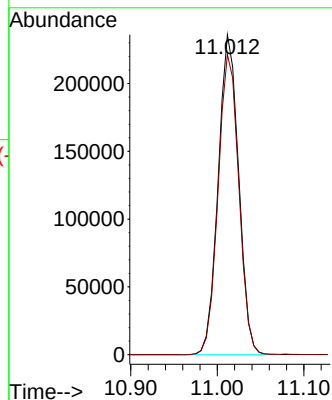
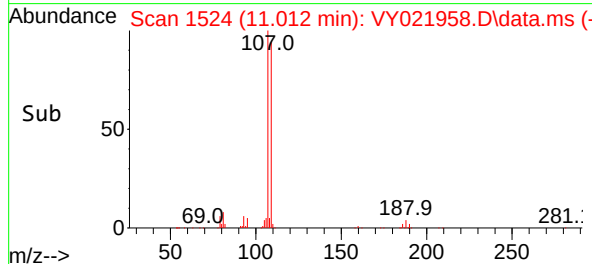
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 386950
Ion Ratio Lower Upper
107 100
109 94.9 75.8 113.8

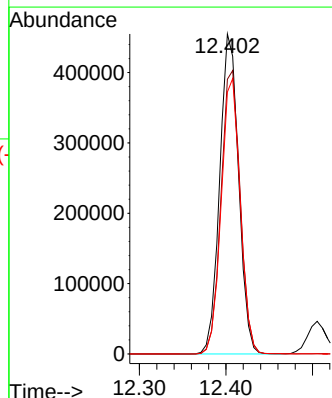
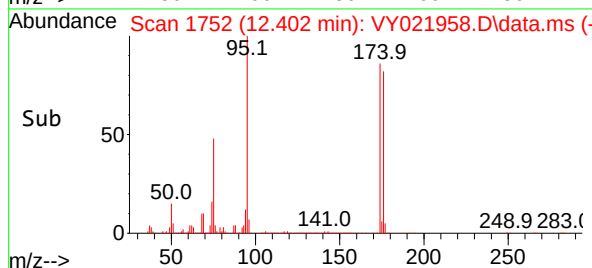
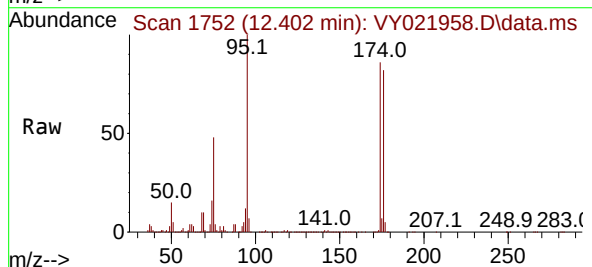
Manual Integrations
APPROVED

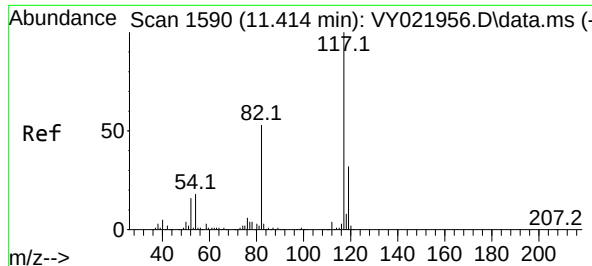
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#62
4-Bromofluorobenzene
Concen: 152.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

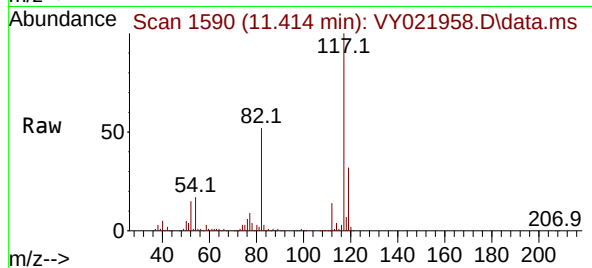
Tgt Ion: 95 Resp: 688061
Ion Ratio Lower Upper
95 100
174 90.4 0.0 179.0
176 86.9 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

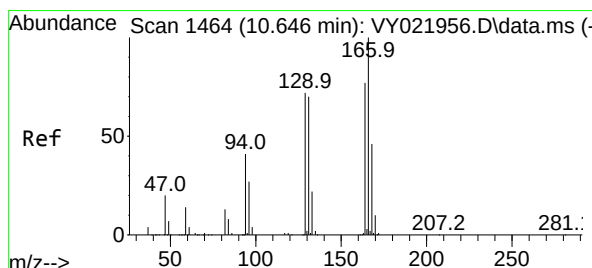
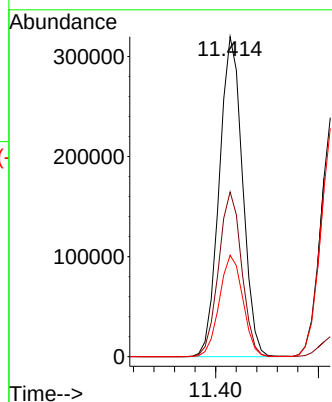
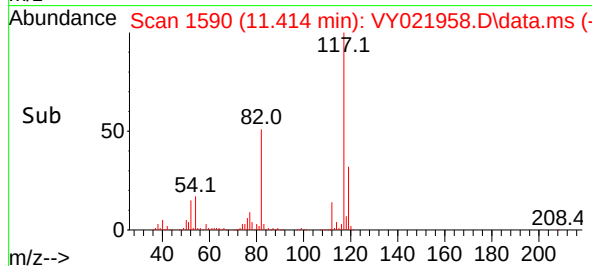
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 502240
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 31.7 25.7 38.5

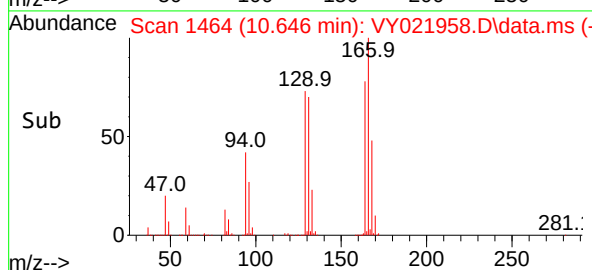
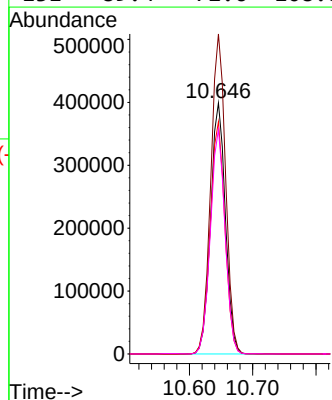
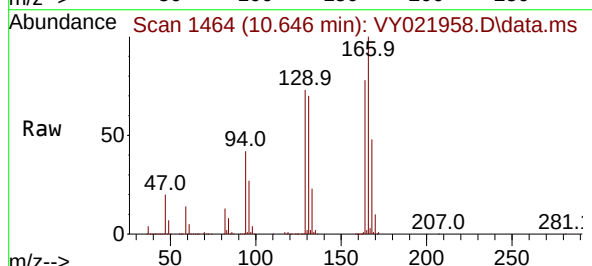
Manual Integrations
APPROVED

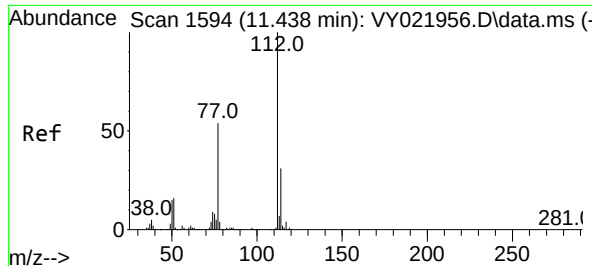
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#64
Tetrachloroethene
Concen: 136.828 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

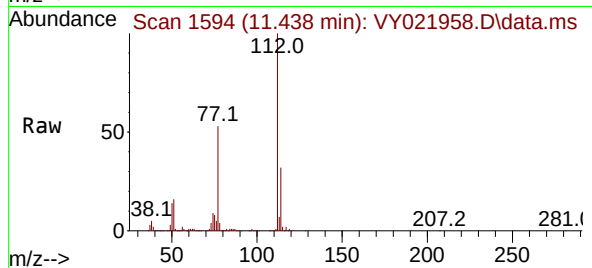
Tgt Ion:164 Resp: 648295
Ion Ratio Lower Upper
164 100
166 127.4 103.6 155.4
129 92.5 74.2 111.4
131 89.4 72.6 108.8





#65
Chlorobenzene
Concen: 146.452 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

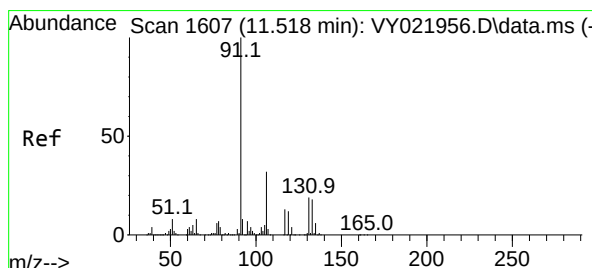
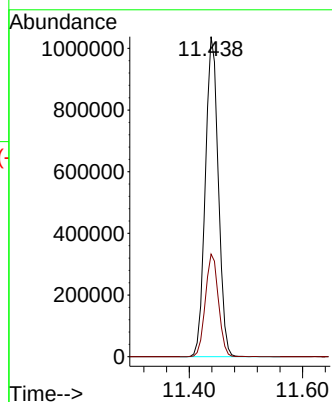
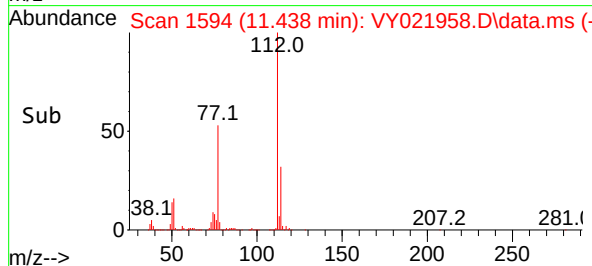
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 1644879
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

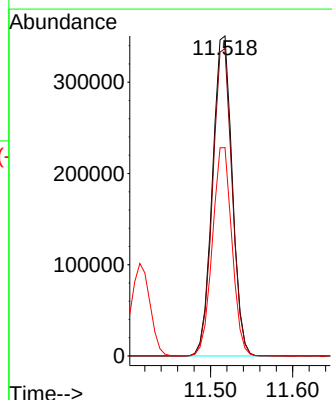
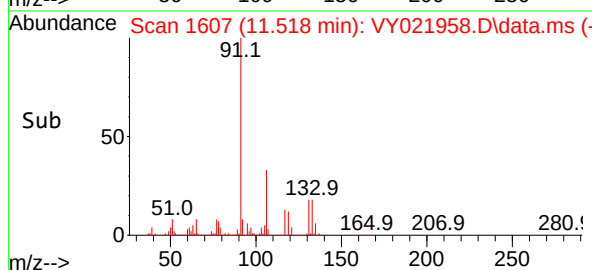
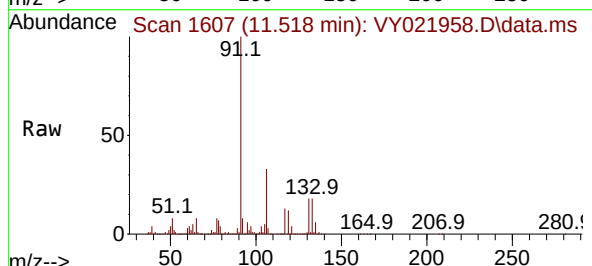
Manual Integrations
APPROVED

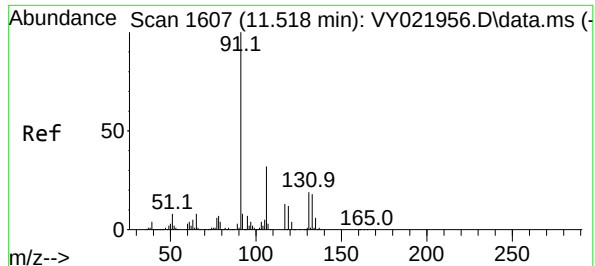
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 147.925 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:131 Resp: 584913
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 64.6 32.4 97.0





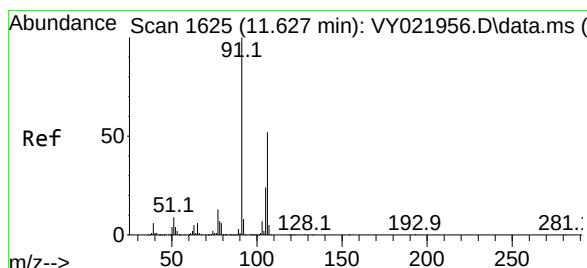
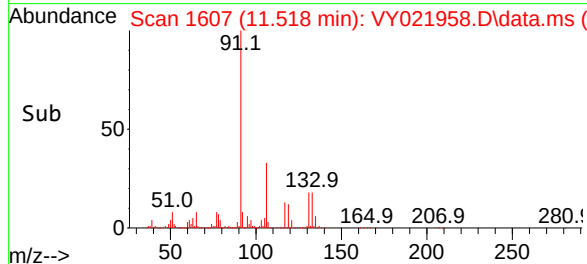
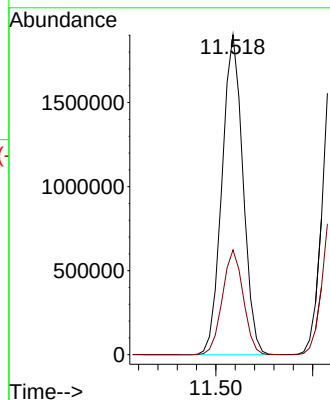
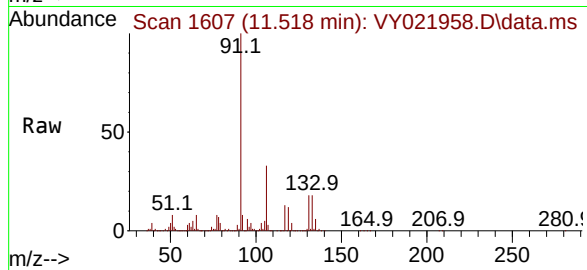
#67
Ethyl Benzene
Concen: 155.641 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 285958
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9

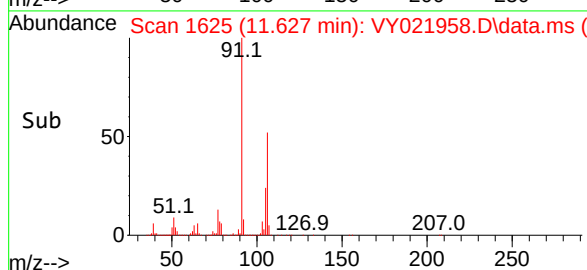
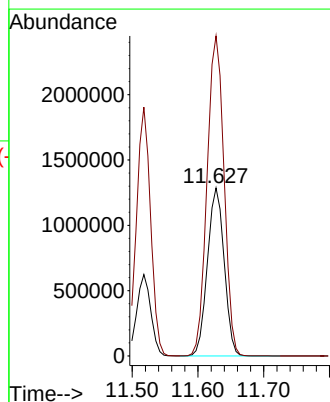
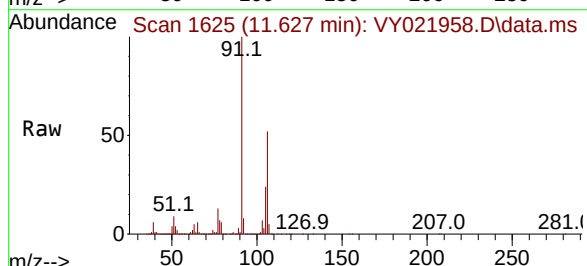
Manual Integrations
APPROVED

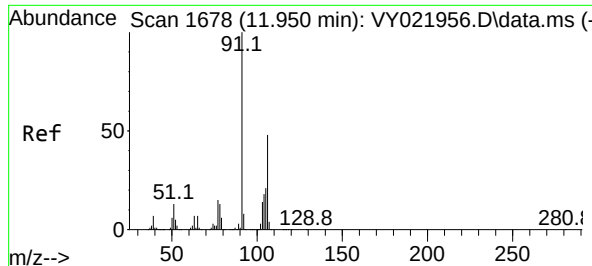
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#68
m/p-Xylenes
Concen: 310.594 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

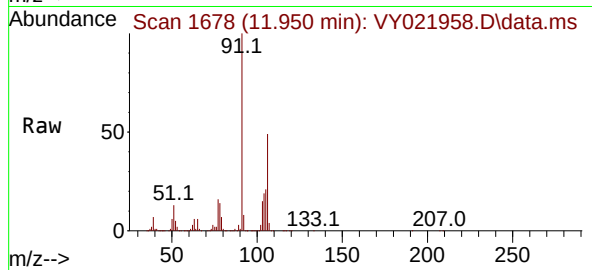
Tgt Ion:106 Resp: 2270756
Ion Ratio Lower Upper
106 100
91 193.3 156.2 234.2





#69
o-Xylene
Concen: 160.131 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

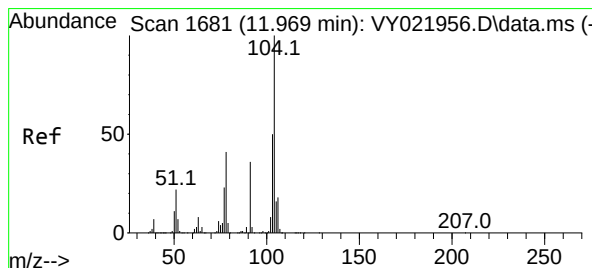
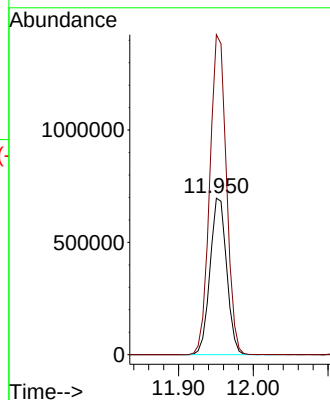
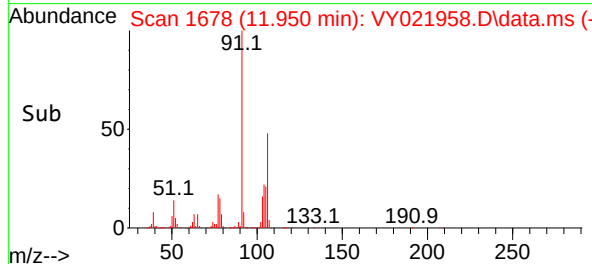
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 1079030
Ion Ratio Lower Upper
106 100
91 204.3 103.0 308.9

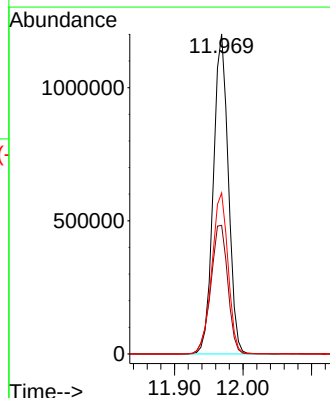
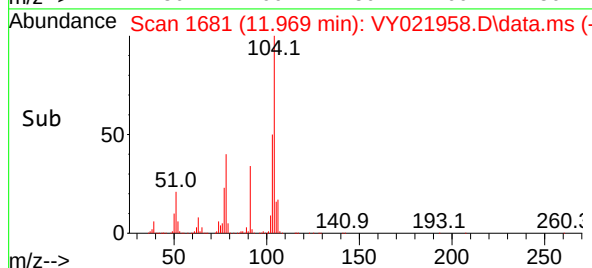
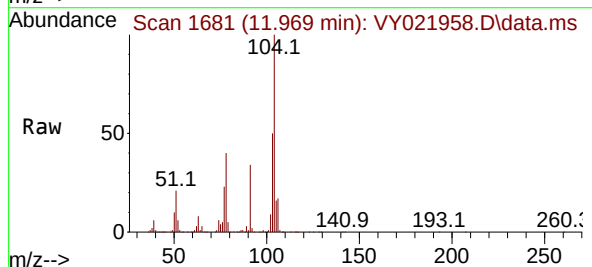
Manual Integrations
APPROVED

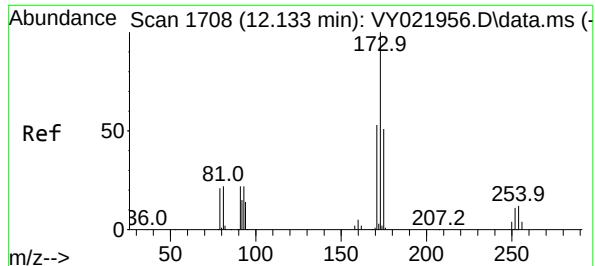
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#70
Styrene
Concen: 160.979 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

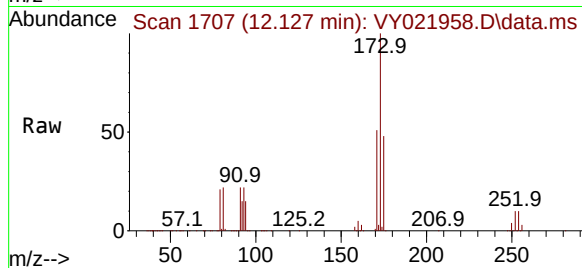
Tgt Ion:104 Resp: 1821333
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 54.6 43.8 65.8





#71
Bromoform
Concen: 150.413 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

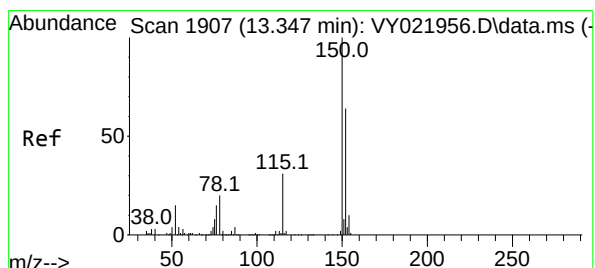
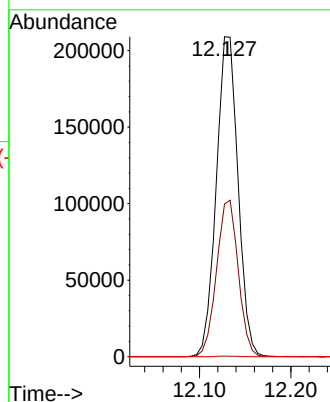
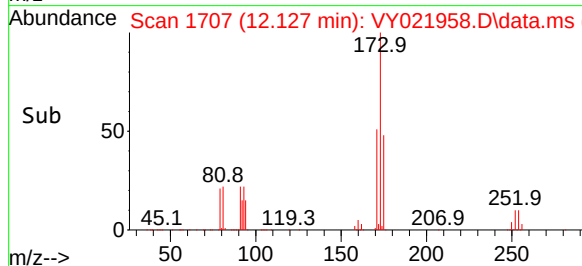
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:173 Resp: 345783
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.8
254 0.2 0.0 0.0

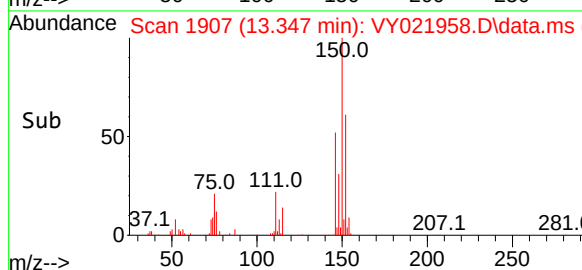
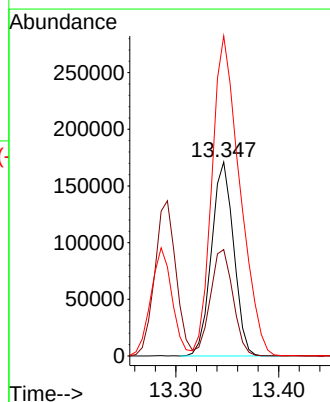
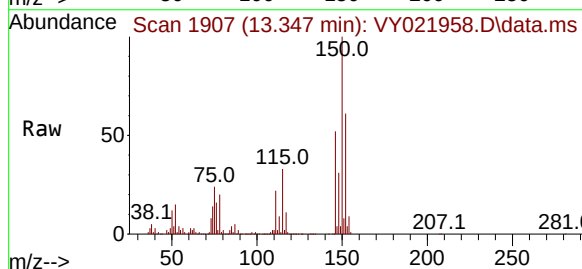
Manual Integrations
APPROVED

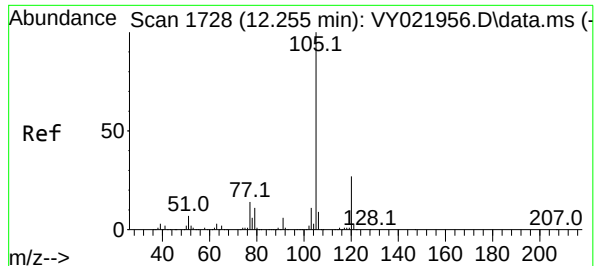
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

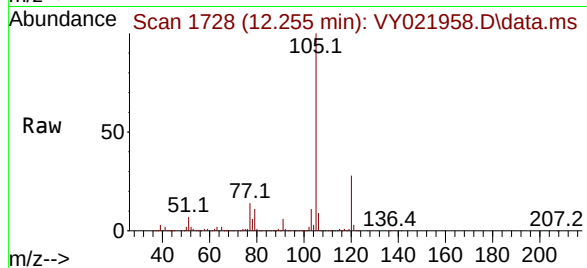
Tgt Ion:152 Resp: 256233
Ion Ratio Lower Upper
152 100
115 55.9 28.0 84.0
150 207.6 0.0 345.6





#73
Isopropylbenzene
Concen: 161.622 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

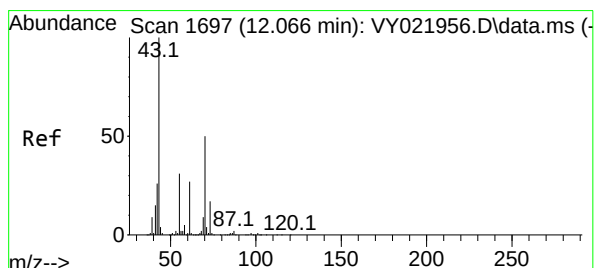
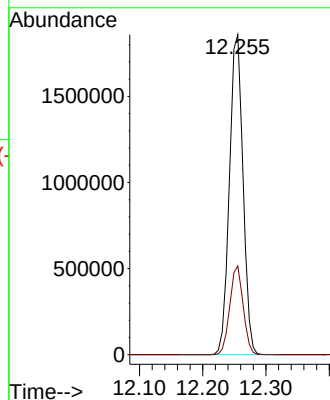
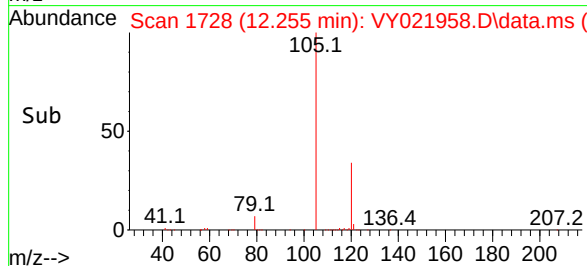
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 105 Resp: 276682
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5

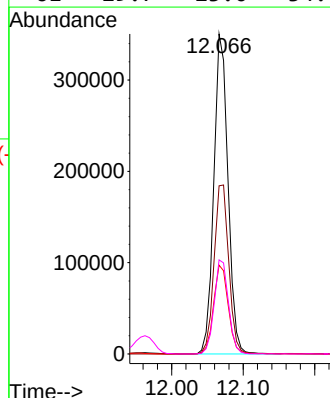
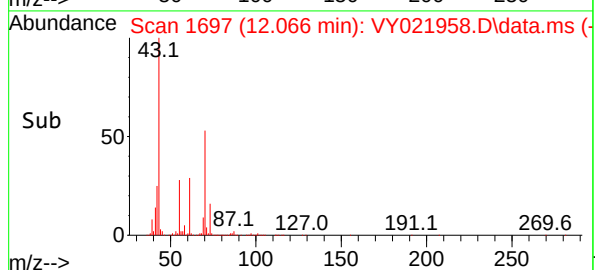
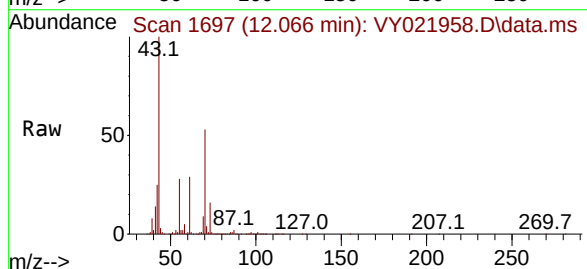
Manual Integrations
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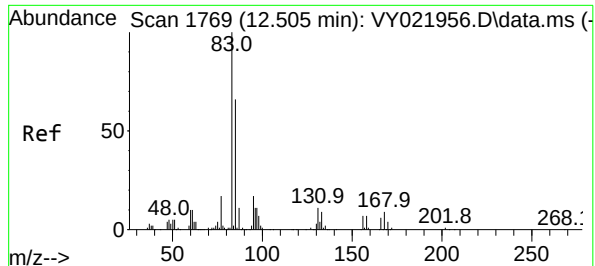
Reviewed By : Semsettin Yesilyurt 04/23/2025
Supervised By : Mahesh Dadoda 04/23/2025



#74
N-ethyl acetate
Concen: 163.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

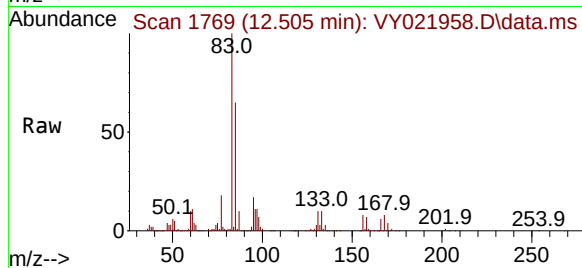
Tgt Ion: 43 Resp: 481095
Ion Ratio Lower Upper
43 100
70 55.2 43.2 64.8
55 29.0 25.7 38.5
61 29.7 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 148.581 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

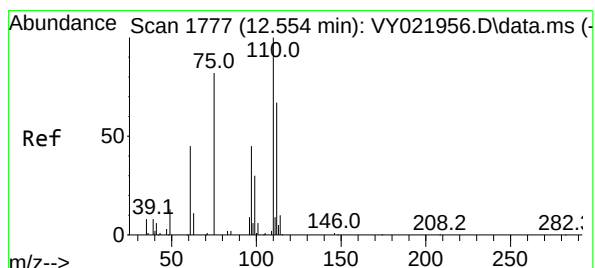
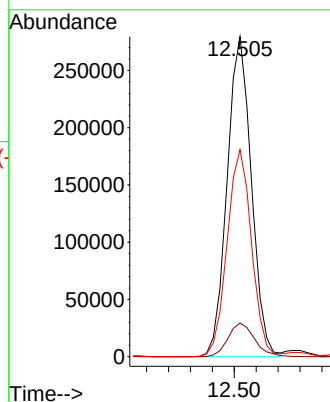
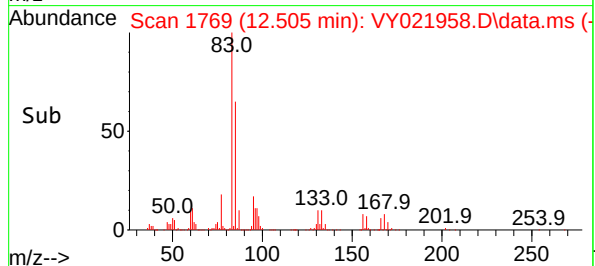
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 428838
Ion Ratio Lower Upper
83 100
131 11.5 5.5 16.4
85 65.1 32.3 96.8

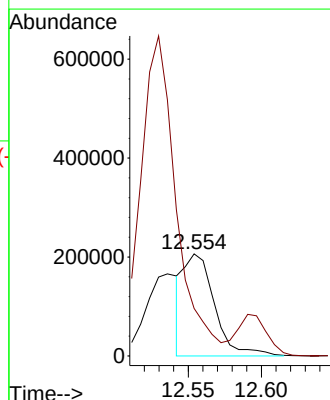
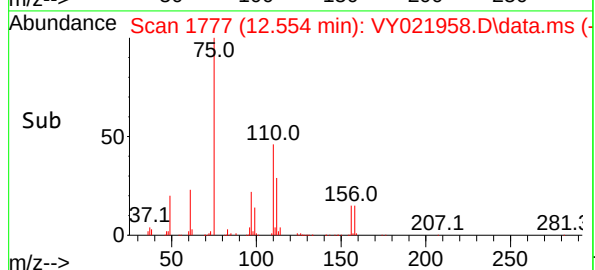
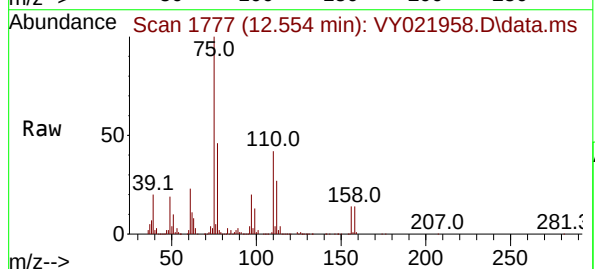
Manual Integrations
APPROVED

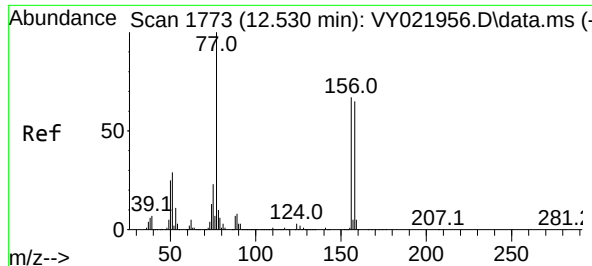
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#76
1,2,3-Trichloropropane
Concen: 135.026 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 304860
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





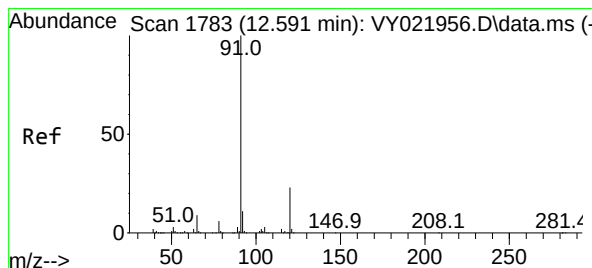
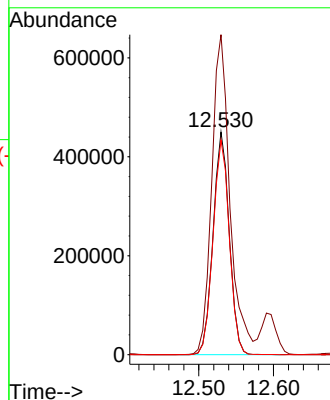
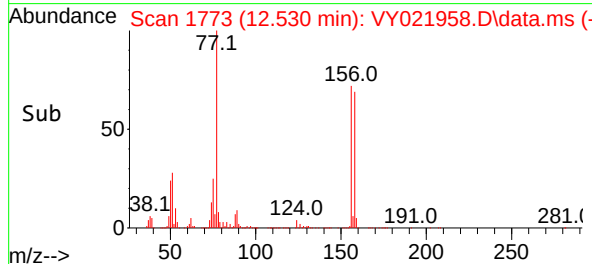
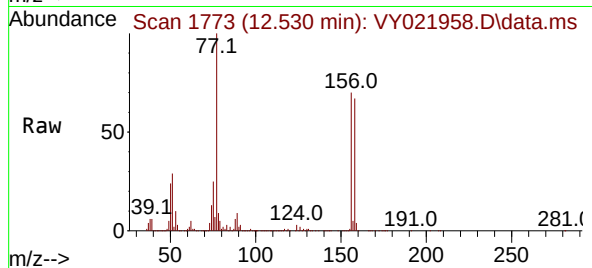
#77
Bromobenzene
Concen: 156.545 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 677170
Ion Ratio Lower Upper
156 100
77 161.9 82.7 248.1
158 97.2 48.1 144.4

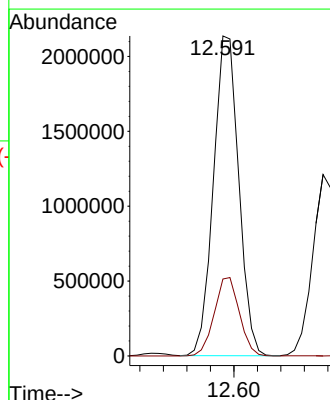
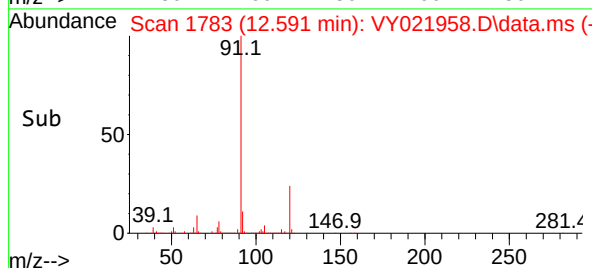
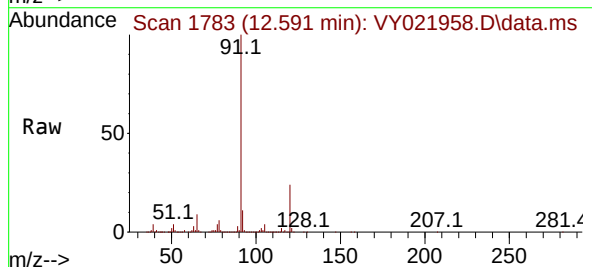
Manual Integrations
APPROVED

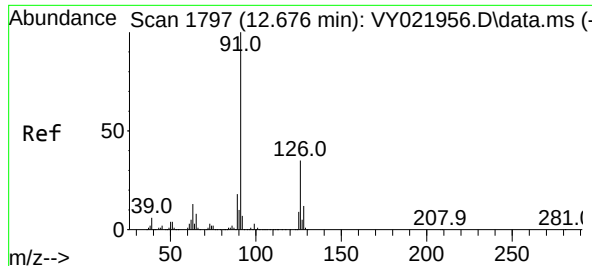
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#78
n-propylbenzene
Concen: 156.567 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

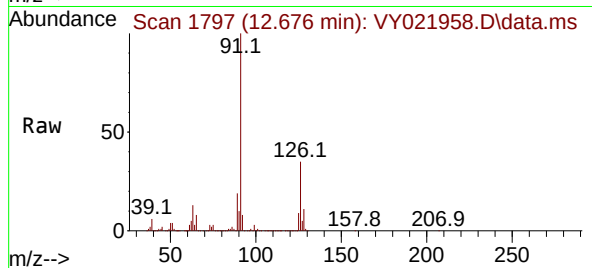
Tgt Ion: 91 Resp: 3191904
Ion Ratio Lower Upper
91 100
120 24.3 11.9 35.5





#79
2-Chlorotoluene
Concen: 155.043 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

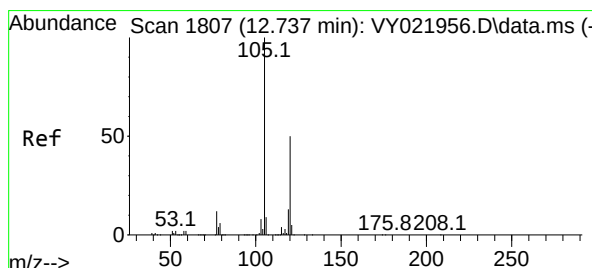
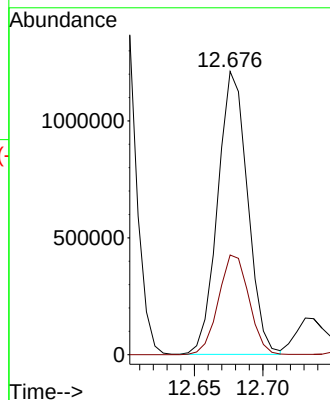
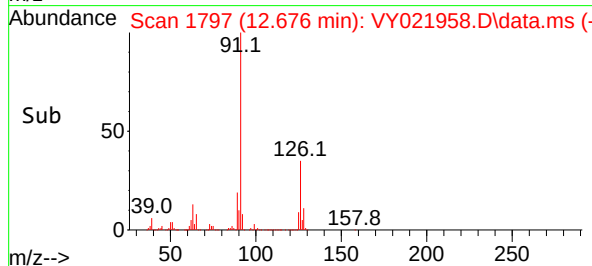
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



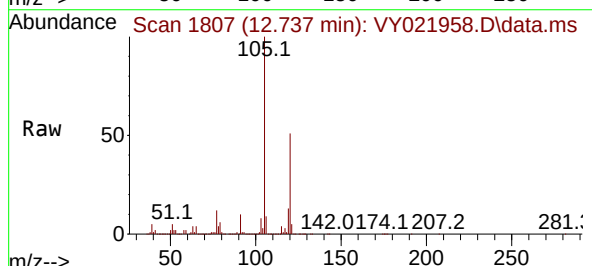
Tgt Ion: 91 Resp: 1838218
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.8

Manual Integrations
APPROVED

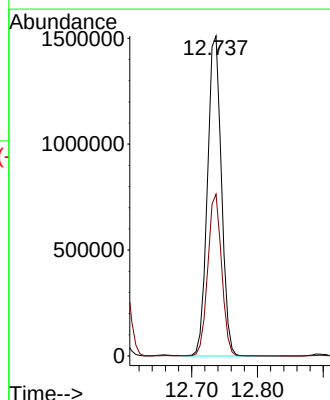
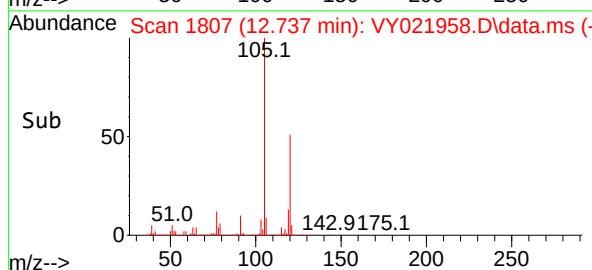
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

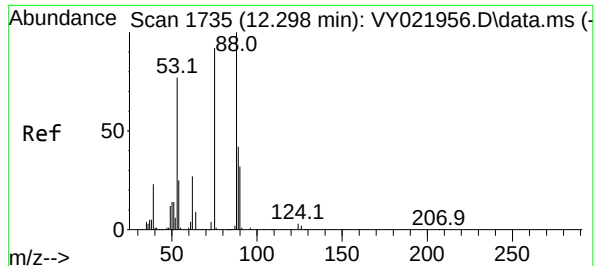


#80
1,3,5-Trimethylbenzene
Concen: 157.948 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15



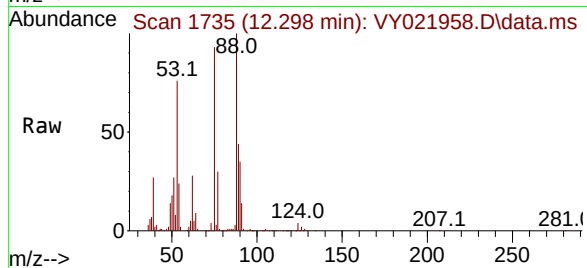
Tgt Ion:105 Resp: 2227887
Ion Ratio Lower Upper
105 100
120 50.2 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 152.337 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

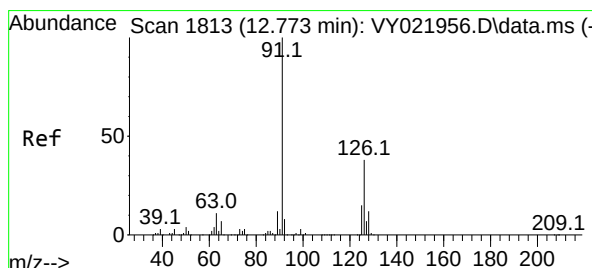
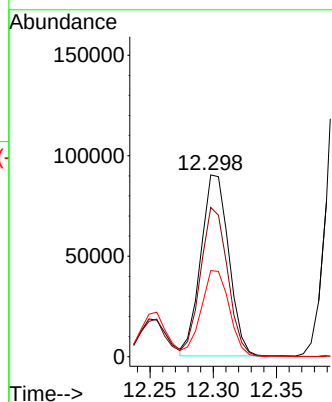
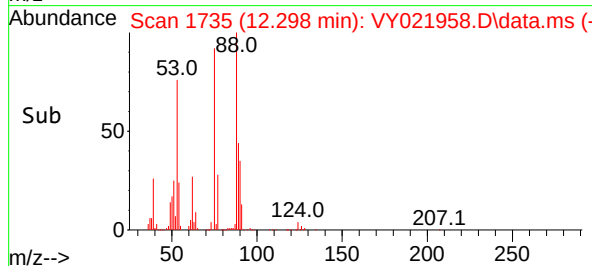
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 138838
Ion Ratio Lower Upper
75 100
53 80.5 66.0 99.0
89 48.1 37.2 55.8

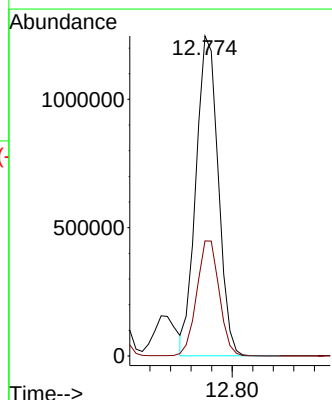
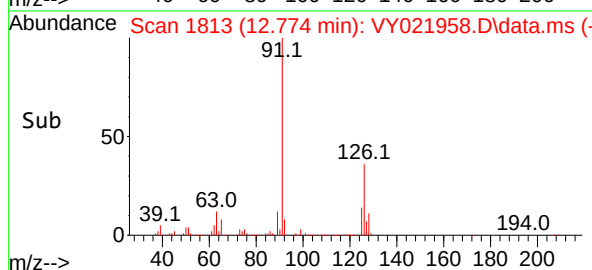
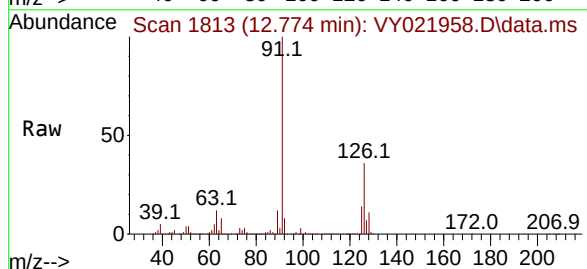
Manual Integrations
APPROVED

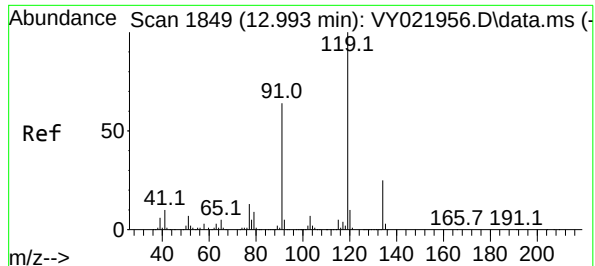
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#82
4-Chlorotoluene
Concen: 152.484 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

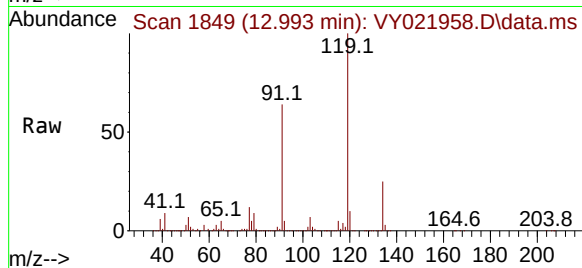
Tgt Ion: 91 Resp: 1879346
Ion Ratio Lower Upper
91 100
126 36.4 17.9 53.8





#83
tert-Butylbenzene
Concen: 164.108 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

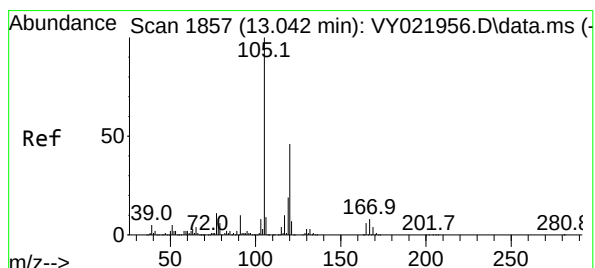
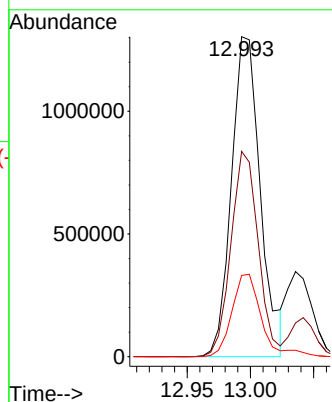
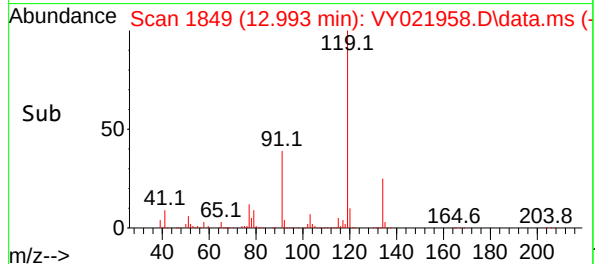
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:119 Resp: 207600
Ion Ratio Lower Upper
119 100
91 60.6 30.3 90.9
134 26.3 12.9 38.7

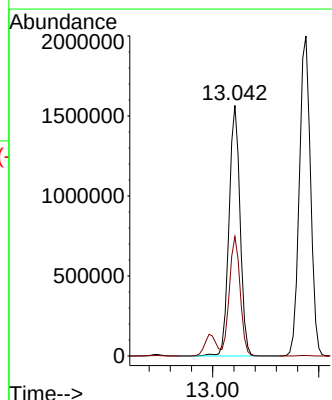
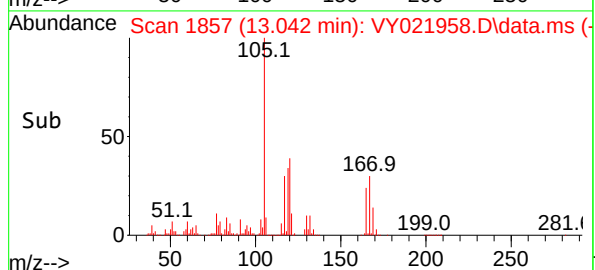
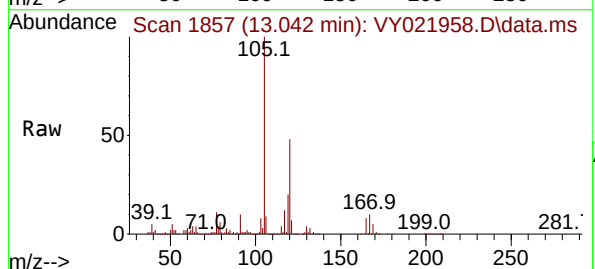
Manual Integrations
APPROVED

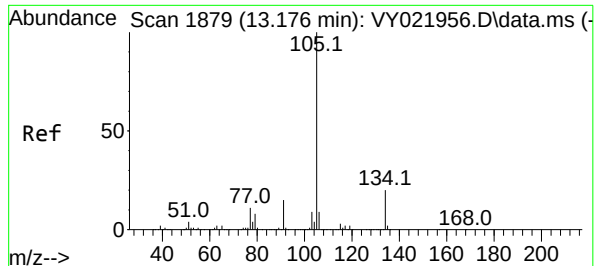
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#84
1,2,4-Trimethylbenzene
Concen: 160.437 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 2263509
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 157.224 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 291039

Ion Ratio Lower Upper

105 100

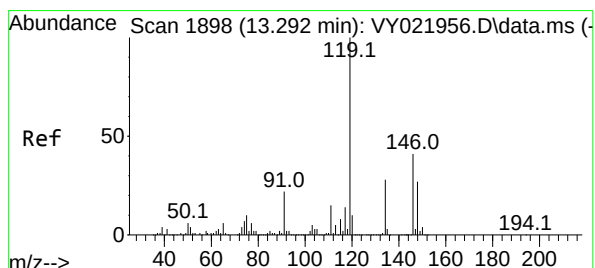
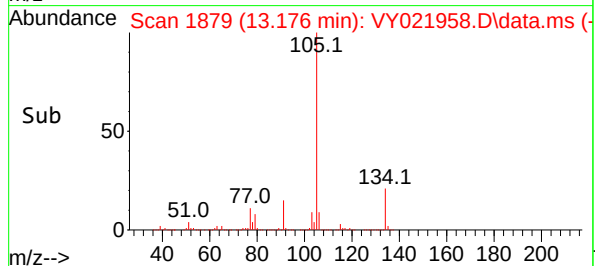
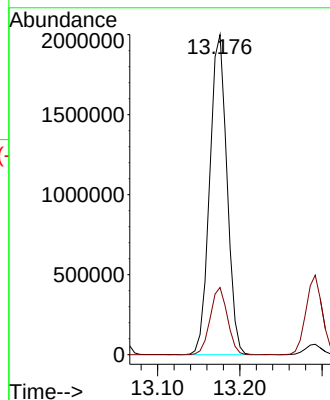
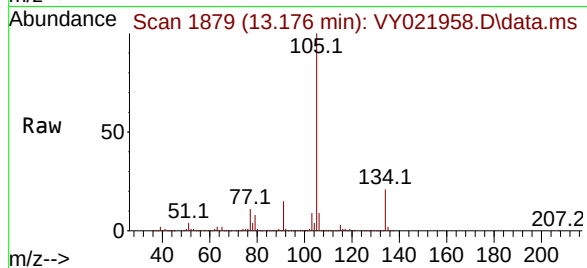
134 21.0 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#86

p-Isopropyltoluene

Concen: 162.413 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

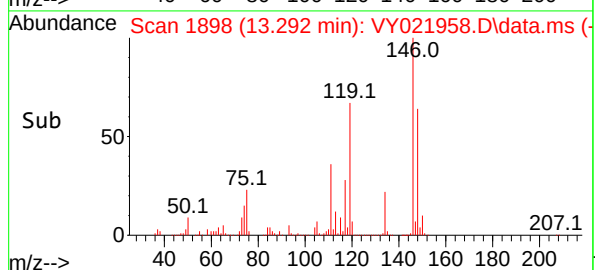
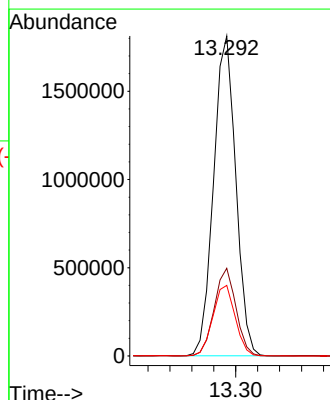
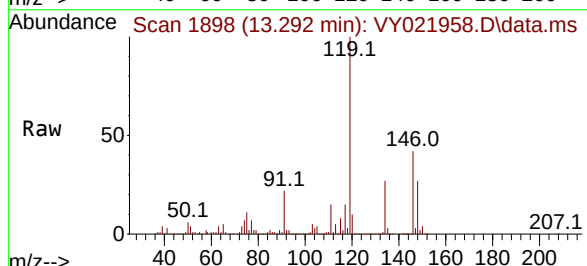
Tgt Ion:119 Resp: 2552924

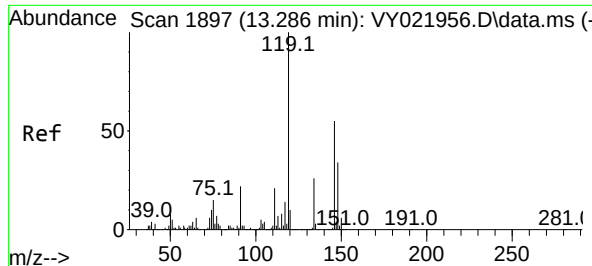
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 152.409 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021958.D

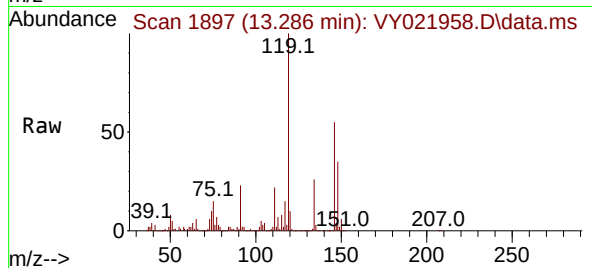
Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150



Tgt Ion:146 Resp: 1339029

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

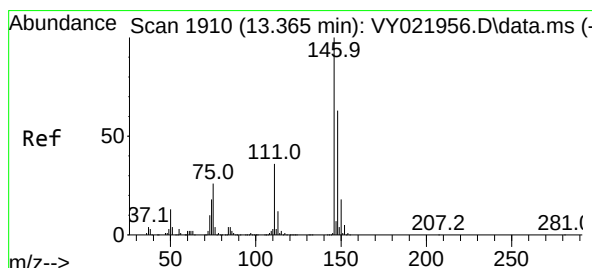
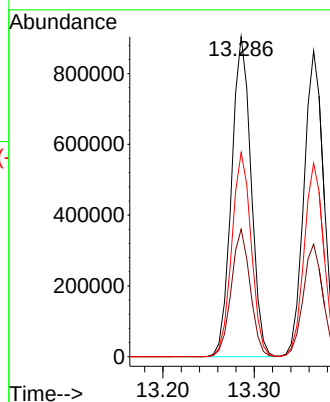
148 63.5 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#88

1,4-Dichlorobenzene

Concen: 148.621 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

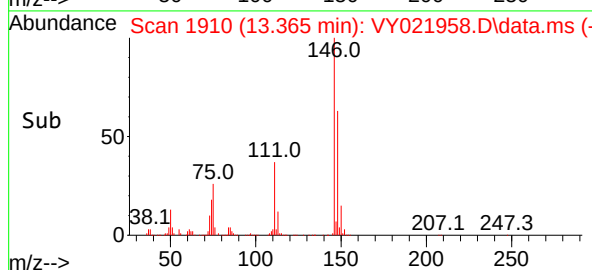
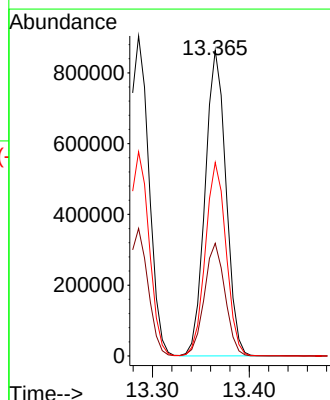
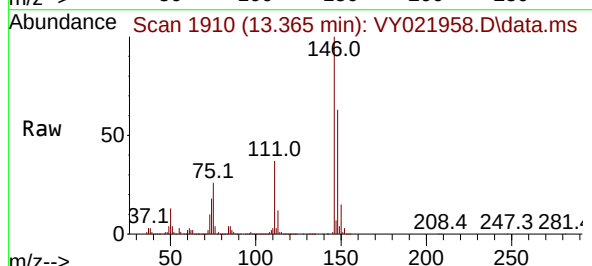
Tgt Ion:146 Resp: 1293200

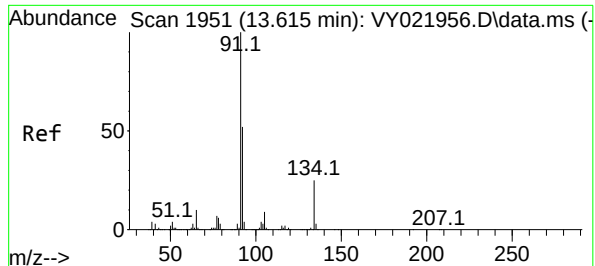
Ion Ratio Lower Upper

146 100

111 36.6 19.2 57.6

148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 159.720 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2244063

Ion Ratio Lower Upper

91 100

92 53.9 26.5 79.5

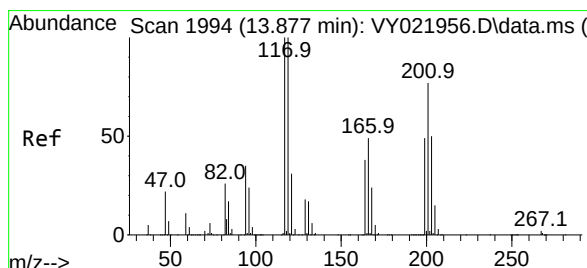
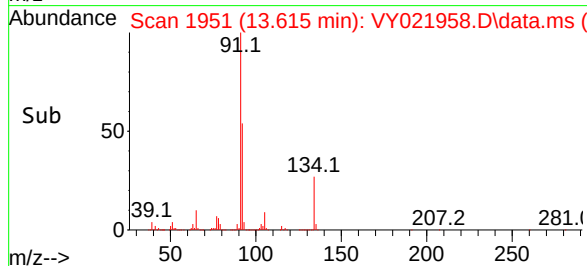
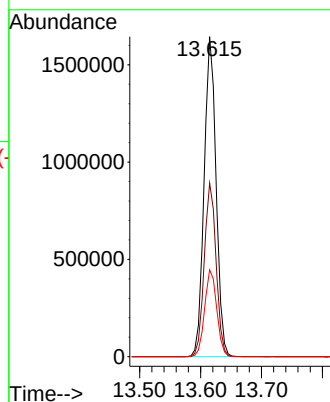
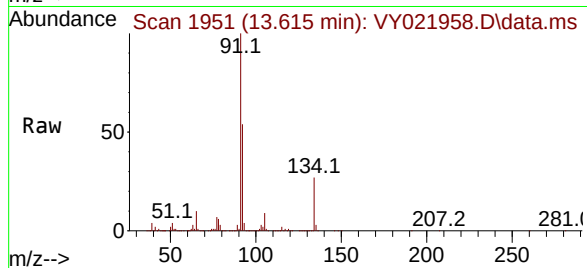
134 27.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025

Supervised By :Mahesh Dadoda 04/23/2025



#90

Hexachloroethane

Concen: 150.683 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021958.D

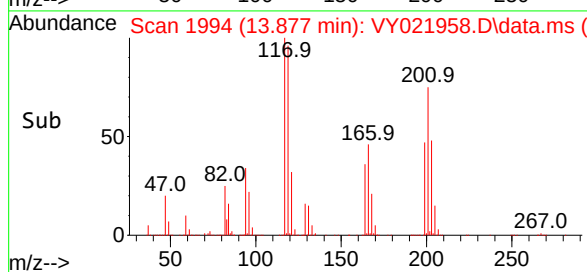
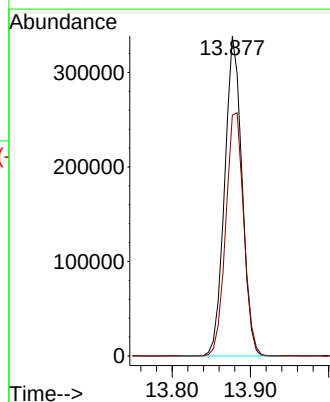
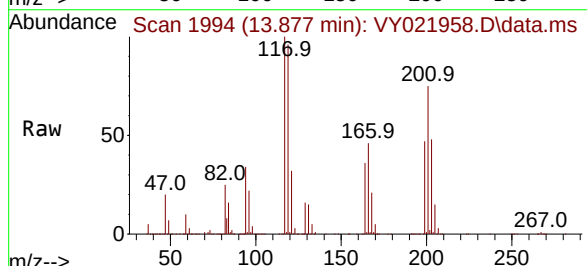
Acq: 22 Apr 2025 16:15

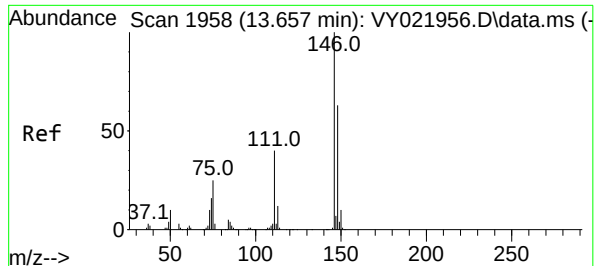
Tgt Ion:117 Resp: 520392

Ion Ratio Lower Upper

117 100

201 79.2 38.7 116.1





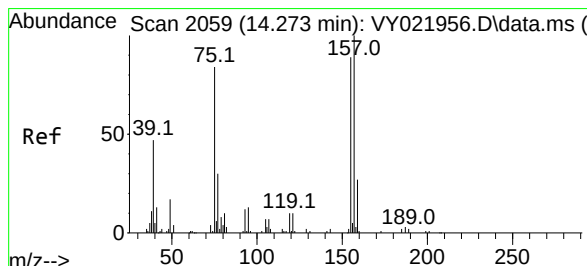
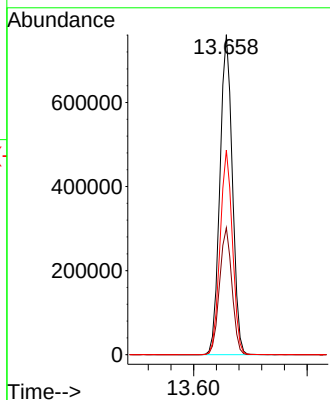
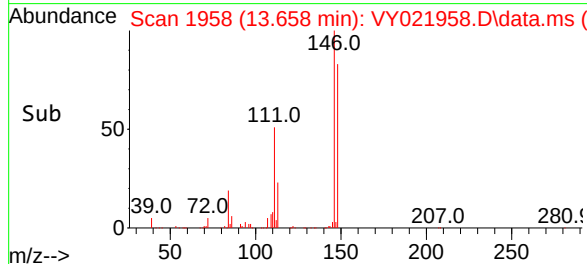
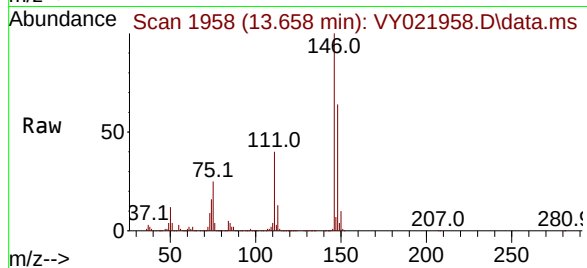
#91
1,2-Dichlorobenzene
Concen: 150.940 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 115663
Ion Ratio Lower Upper
146 100
111 39.5 19.7 59.1
148 63.4 32.1 96.3

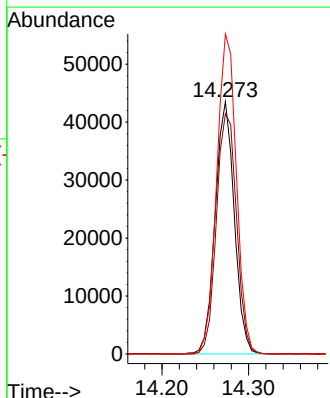
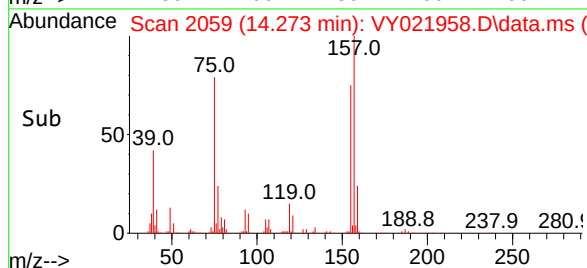
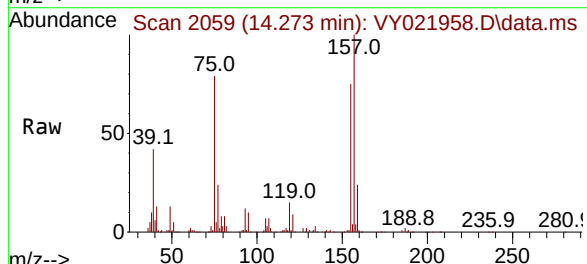
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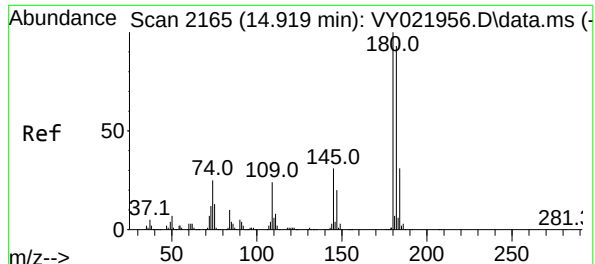
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 145.323 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 66731
Ion Ratio Lower Upper
75 100
155 100.4 50.7 152.3
157 130.3 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 169.770 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

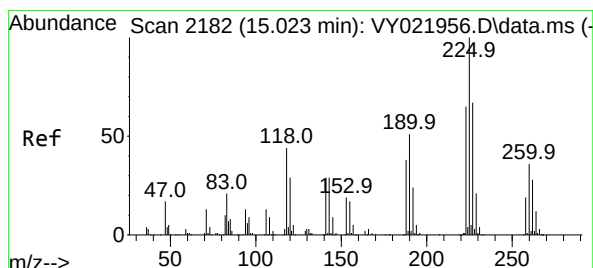
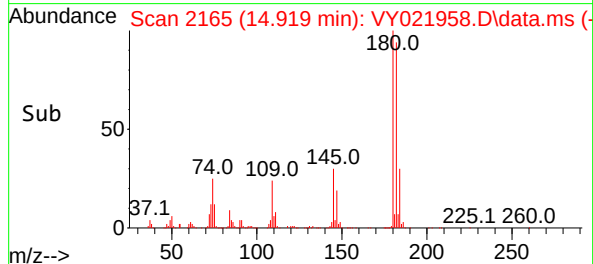
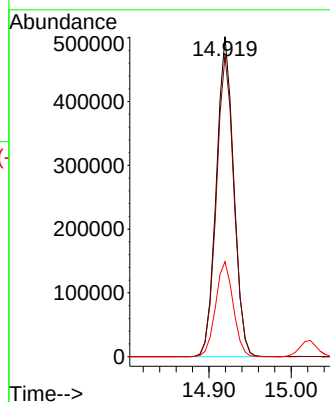
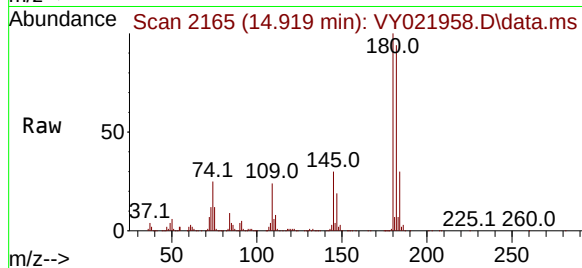
VSTDIC150

Tgt Ion:180	Resp: 737198
Ion Ratio	Lower Upper
180 100	
182 95.1	47.1 141.4
145 30.1	15.0 45.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#94

Hexachlorobutadiene

Concen: 156.384 ug/l

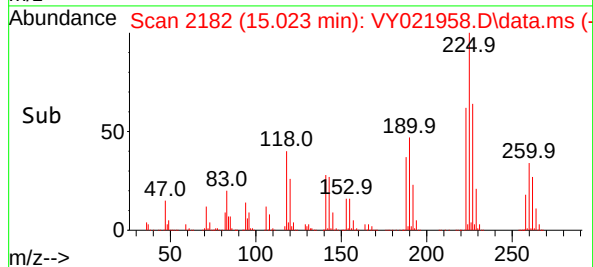
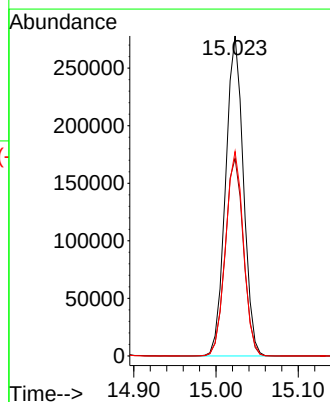
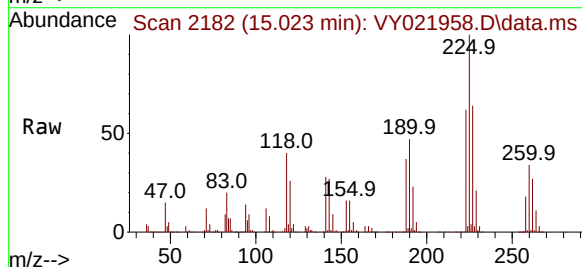
RT: 15.023 min Scan# 2182

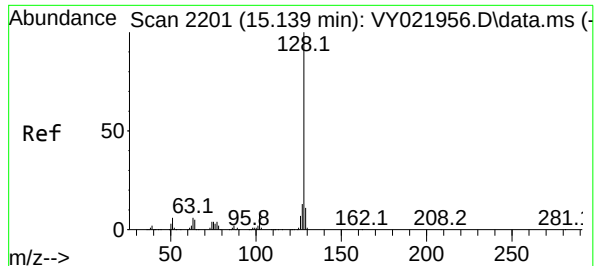
Delta R.T. 0.000 min

Lab File: VY021958.D

Acq: 22 Apr 2025 16:15

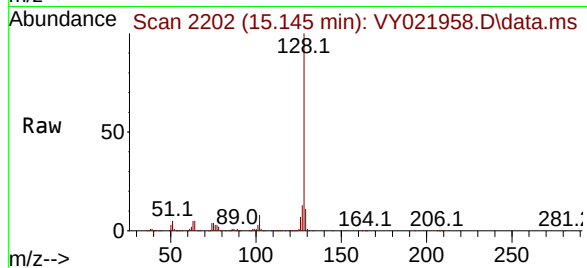
Tgt Ion:225	Resp: 417808
Ion Ratio	Lower Upper
225 100	
223 62.9	31.9 95.5
227 64.1	32.3 96.9





#95
Naphthalene
Concen: 185.231 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

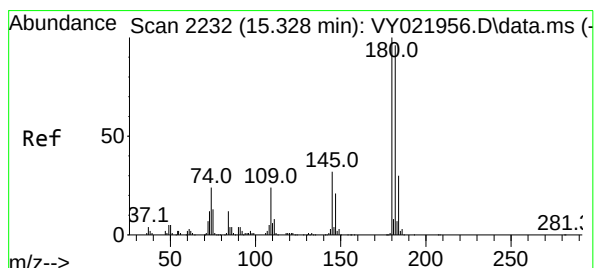
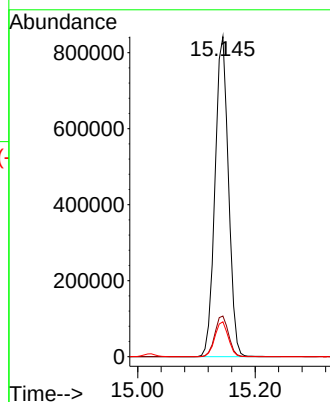
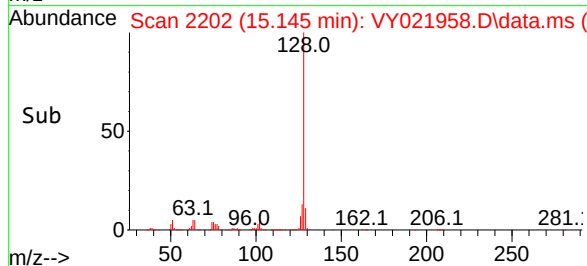
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



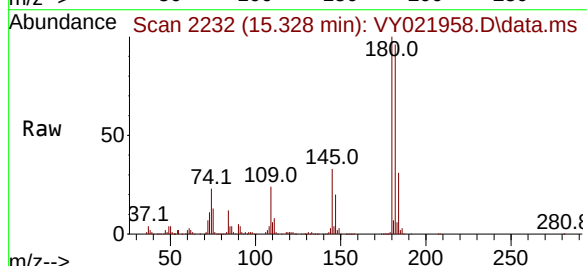
Tgt Ion:128 Resp: 1336140
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.9 8.9 13.3

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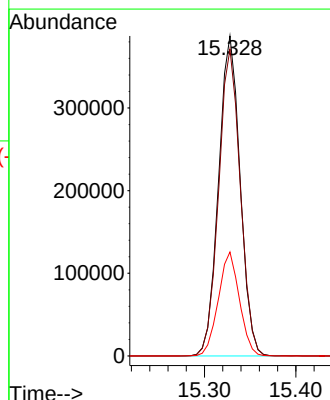
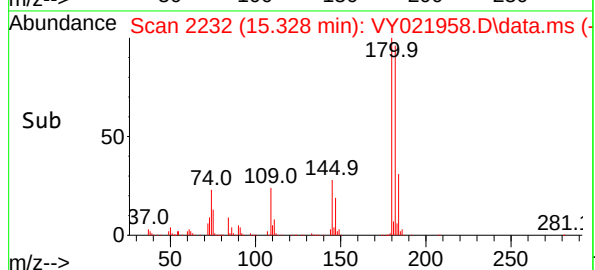
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 169.182 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15



Tgt Ion:180 Resp: 634152
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 31.9 16.0 48.0





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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.374		-12.21	20
Chloromethane	0.607	0.536	0.1	-11.7	20
Vinyl Chloride	0.745	0.684		-8.19	20
Bromomethane	0.642	0.532		-17.13	20
Chloroethane	0.508	0.446		-12.2	20
Trichlorofluoromethane	0.983	0.903		-8.14	20
1,1,2-Trichlorotrifluoroethane	0.533	0.505		-5.25	20
1,1-Dichloroethene	0.497	0.473		-4.83	20
Acetone	0.070	0.062		-11.43	20
Carbon Disulfide	1.585	1.404		-11.42	20
Methyl tert-butyl Ether	1.113	1.109		-0.36	20
Methyl Acetate	0.216	0.234		8.33	20
Methylene Chloride	0.584	0.533		-8.73	20
trans-1,2-Dichloroethene	0.557	0.529		-5.03	20
1,1-Dichloroethane	0.893	0.855	0.1	-4.26	20
Cyclohexane	0.763	0.717		-6.03	20
2-Butanone	0.105	0.100		-4.76	20
Carbon Tetrachloride	0.530	0.540		1.89	20
cis-1,2-Dichloroethene	0.622	0.610		-1.93	20
Bromochloromethane	0.347	0.331		-4.61	20
Chloroform	0.990	0.967		-2.32	20
1,1,1-Trichloroethane	0.896	0.869		-3.01	20
Methylcyclohexane	0.558	0.572		2.51	20
Benzene	1.387	1.389		0.14	20
1,2-Dichloroethane	0.343	0.354		3.21	20
Trichloroethene	0.384	0.384		0	20
1,2-Dichloropropane	0.307	0.314		2.28	20
Bromodichloromethane	0.480	0.492		2.5	20
4-Methyl-2-Pentanone	0.160	0.170		6.25	20
Toluene	0.898	0.933		3.9	20
t-1,3-Dichloropropene	0.411	0.427		3.89	20
cis-1,3-Dichloropropene	0.489	0.505		3.27	20
1,1,2-Trichloroethane	0.256	0.265		3.52	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.363		2.25	20
1,2-Dibromoethane	0.242	0.251		3.72	20
Tetrachloroethene	0.472	0.493		4.45	20
Chlorobenzene	1.118	1.132	0.3	1.25	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: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.898		3.77	20
m/p-Xylenes	0.728	0.757		3.98	20
o-Xylene	0.671	0.703		4.77	20
Styrene	1.126	1.201		6.66	20
Bromoform	0.229	0.228	0.1	-0.44	20
Isopropylbenzene	3.341	3.491		4.49	20
1,1,2,2-Tetrachloroethane	0.563	0.550	0.3	-2.31	20
1,3-Dichlorobenzene	1.714	1.696		-1.05	20
1,4-Dichlorobenzene	1.698	1.681		-1	20
1,2-Dichlorobenzene	1.495	1.505		0.67	20
1,2-Dibromo-3-Chloropropane	0.090	0.089		-1.11	20
1,2,4-Trichlorobenzene	0.847	0.851		0.47	20
1,2,3-Trichlorobenzene	0.731	0.740		1.23	20
1,2-Dichloroethane-d4	0.462	0.441		-4.55	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.243		-0.16	20
4-Bromofluorobenzene	0.419	0.427		1.91	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\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	301546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221579	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	132883	47.708	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.420%
35) Dibromofluoromethane	7.634	113	146286	49.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.109	98	559680	49.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.408	95	192281	50.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.860%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	112875	43.929	ug/l	99
3) Chloromethane	2.068	50	161688	44.193	ug/l	100
4) Vinyl Chloride	2.202	62	206368	45.901	ug/l	99
5) Bromomethane	2.599	94	160309	41.387	ug/l	100
6) Chloroethane	2.739	64	134635	43.970	ug/l	99
7) Trichlorofluoromethane	3.056	101	272284	45.927	ug/l	98
8) Diethyl Ether	3.458	74	70835	45.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	152288	47.352	ug/l	99
10) Methyl Iodide	4.007	142	179944	48.326	ug/l	98
11) Tert butyl alcohol	4.872	59	35368	231.296	ug/l	98
12) 1,1-Dichloroethene	3.787	96	142549	47.553	ug/l	97
13) Acrolein	3.659	56	34294	124.956	ug/l	100
14) Allyl chloride	4.385	41	166047	47.571	ug/l	98
15) Acrylonitrile	5.061	53	132967	235.378	ug/l	99
16) Acetone	3.873	43	93721	257.728	ug/l	97
17) Carbon Disulfide	4.110	76	423479	44.306	ug/l	98
18) Methyl Acetate	4.391	43	70510	54.193	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	334445	49.847	ug/l	100
20) Methylene Chloride	4.616	84	160823	45.663	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	159456	47.497	ug/l	98
22) Diisopropyl ether	6.019	45	386882	49.807	ug/l	96
23) Vinyl Acetate	5.964	43	1024665	244.768	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257691	47.860	ug/l	98
25) 2-Butanone	6.897	43	151417	238.488	ug/l	98
26) 2,2-Dichloropropane	6.890	77	237802	50.391	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	183808	48.965	ug/l	99
28) Bromochloromethane	7.250	49	99882	47.760	ug/l	100
29) Tetrahydrofuran	7.268	42	101569	246.313	ug/l	98
30) Chloroform	7.421	83	291473	48.804	ug/l	98
31) Cyclohexane	7.701	56	216232	46.963	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	262037	48.496	ug/l	100
36) 1,1-Dichloropropene	7.835	75	201117	50.333	ug/l	100
37) Ethyl Acetate	6.988	43	69892	48.702	ug/l	96
38) Carbon Tetrachloride	7.817	117	243069	50.908	ug/l	97
39) Methylcyclohexane	9.110	83	257390	51.187	ug/l	99
40) Benzene	8.085	78	625230	50.056	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	43507m	55.458	ug/l	
42) 1,2-Dichloroethane	8.158	62	159242	51.493	ug/l	99
43) Isopropyl Acetate	8.201	43	137299	49.819	ug/l	99
44) Trichloroethene	8.866	130	173060	50.021	ug/l	96
45) 1,2-Dichloropropane	9.146	63	141445	51.207	ug/l	98
46) Dibromomethane	9.238	93	86996	50.312	ug/l	99
47) Bromodichloromethane	9.427	83	221679	51.319	ug/l	97
48) Methyl methacrylate	9.225	41	67168	52.721	ug/l	98
49) 1,4-Dioxane	9.231	88	18381	997.352	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	382449	264.723	ug/l	99
52) Toluene	10.170	92	420077	51.956	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	192400	51.928	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	227562	51.667	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	119511	51.742	ug/l	99
56) Ethyl methacrylate	10.439	69	138889	52.583	ug/l	98
57) 1,3-Dichloropropane	10.719	76	189498	51.177	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	346642	268.418	ug/l	99
59) 2-Hexanone	10.762	43	255230	267.843	ug/l	98
60) Dibromochloromethane	10.914	129	163529	51.138	ug/l	99
61) 1,2-Dibromoethane	11.018	107	112896	51.775	ug/l	98
64) Tetrachloroethene	10.646	164	204932	52.270	ug/l	98
65) Chlorobenzene	11.444	112	470366	50.610	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	165462	50.569	ug/l	100
67) Ethyl Benzene	11.518	91	788631	51.872	ug/l	100
68) m/p-Xylenes	11.627	106	629353	104.029	ug/l	99
69) o-Xylene	11.957	106	292170	52.398	ug/l	99
70) Styrene	11.969	104	499203	53.321	ug/l	99
71) Bromoform	12.133	173	94954	49.915	ug/l #	99
73) Isopropylbenzene	12.255	105	773553	52.254	ug/l	100
74) N-amyl acetate	12.072	43	125362	49.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	121976	48.871	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	96902m	51.057	ug/l	
77) Bromobenzene	12.536	156	190990	51.057	ug/l	99
78) n-propylbenzene	12.597	91	928299	52.656	ug/l	100
79) 2-Chlorotoluene	12.682	91	527905	51.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	643214	52.733	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39816	50.520	ug/l	99
82) 4-Chlorotoluene	12.780	91	553248	51.909	ug/l	100
83) tert-Butylbenzene	12.999	119	571296	52.224	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	643015	52.705	ug/l	99
85) sec-Butylbenzene	13.176	105	843051	52.666	ug/l	100
86) p-Isopropyltoluene	13.292	119	713078	52.460	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	375900	49.477	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	372381	49.489	ug/l	99
89) n-Butylbenzene	13.621	91	634275	52.205	ug/l	99
90) Hexachloroethane	13.883	117	149353	50.010	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	333414	50.315	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19712	49.642	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	188657	50.241	ug/l	100
94) Hexachlorobutadiene	15.023	225	115309	49.910	ug/l	98
95) Naphthalene	15.145	128	320223	51.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	164013	50.599	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

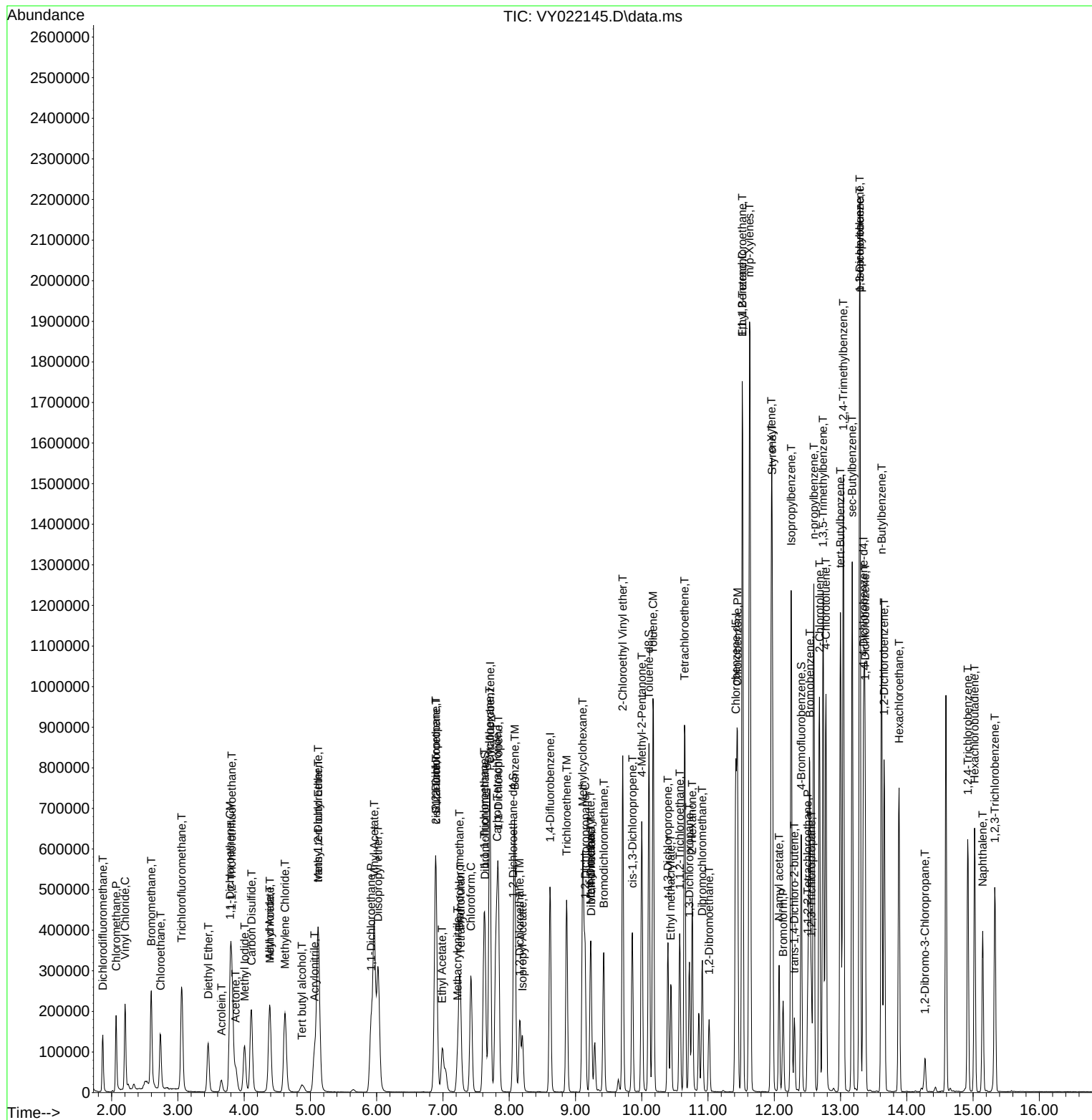
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Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

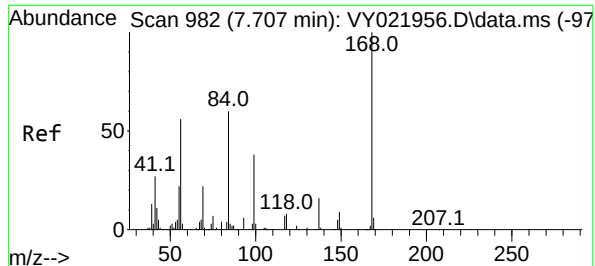
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration





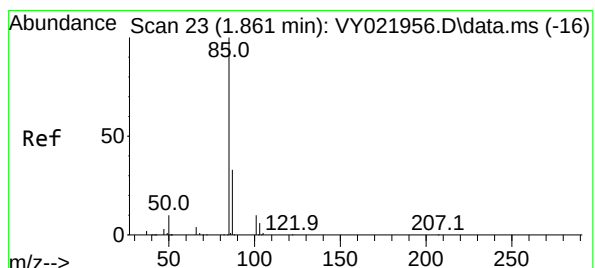
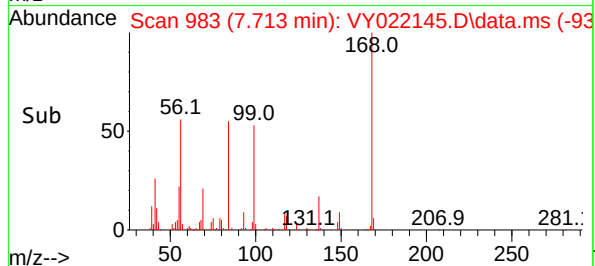
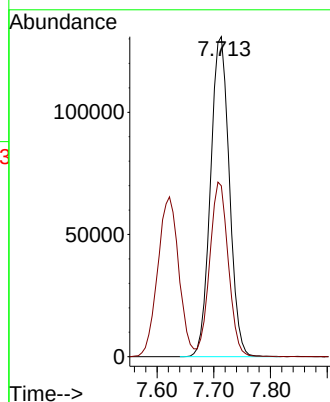
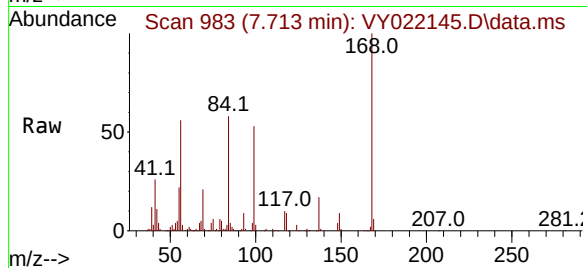
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 301540
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7

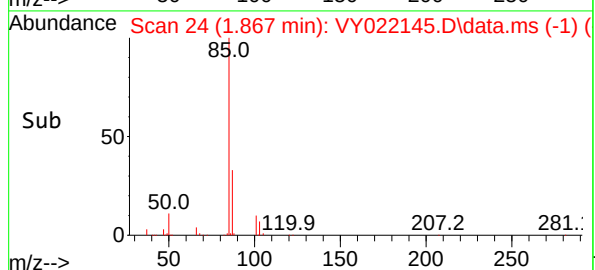
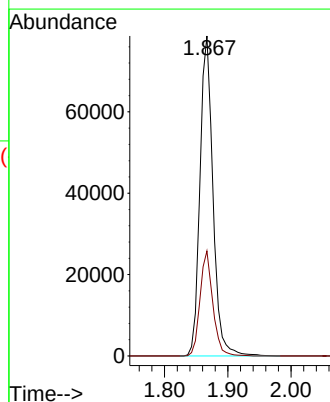
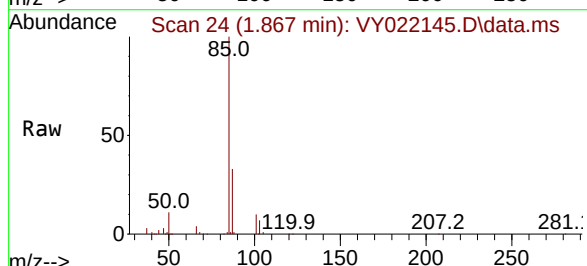
Manual Integrations
APPROVED

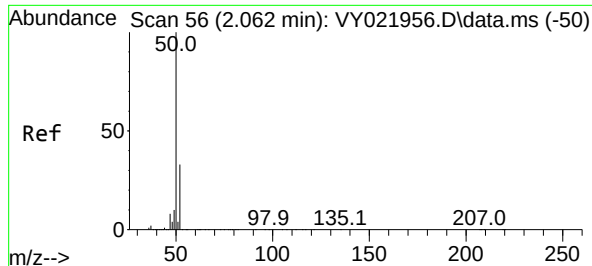
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#2
Dichlorodifluoromethane
Concen: 43.929 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

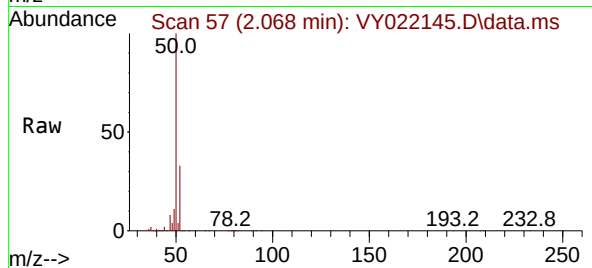
Tgt Ion: 85 Resp: 112875
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.7





#3
Chloromethane
Concen: 44.193 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

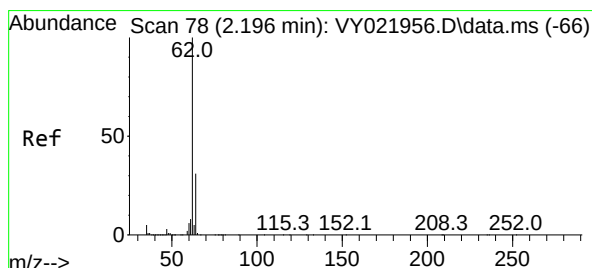
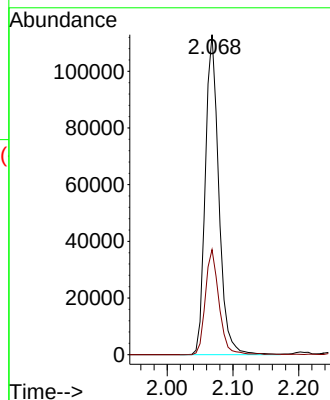
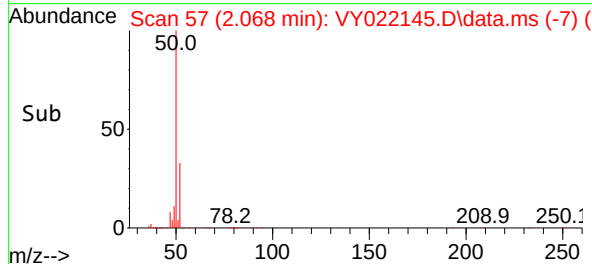
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 161688
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1

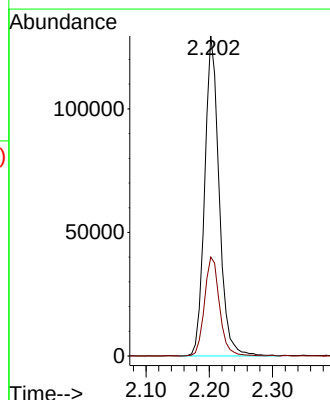
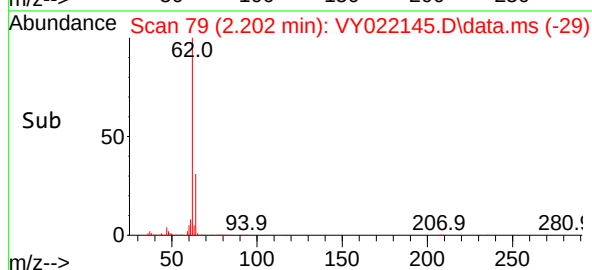
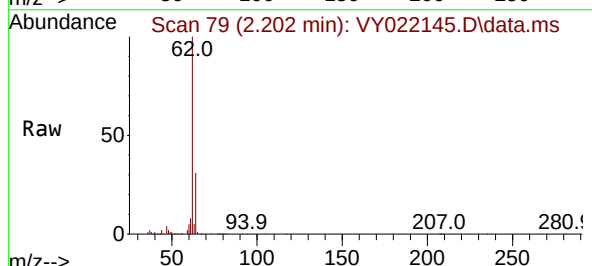
Manual Integrations
APPROVED

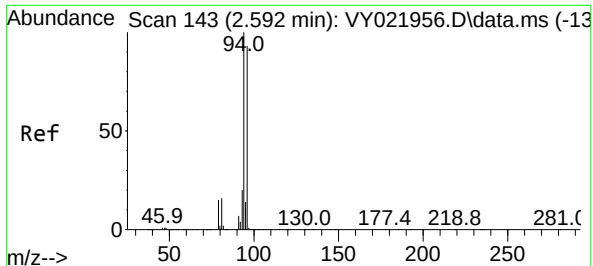
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#4
Vinyl Chloride
Concen: 45.901 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

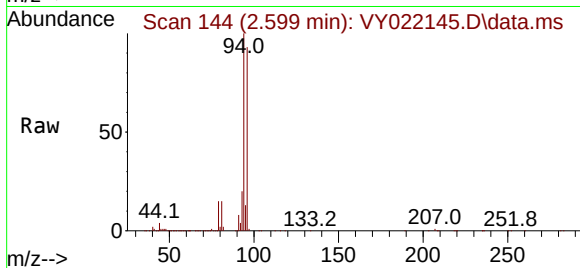
Tgt Ion: 62 Resp: 206368
Ion Ratio Lower Upper
62 100
64 30.9 25.1 37.7





#5
Bromomethane
Concen: 41.387 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

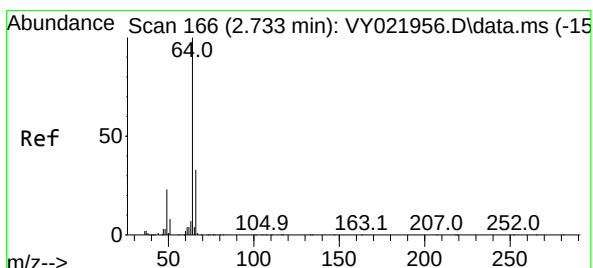
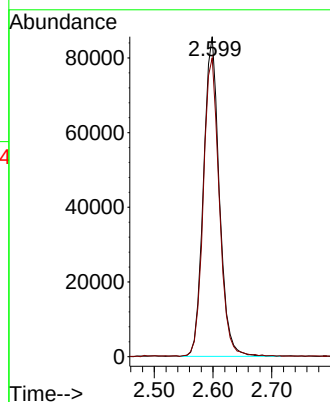
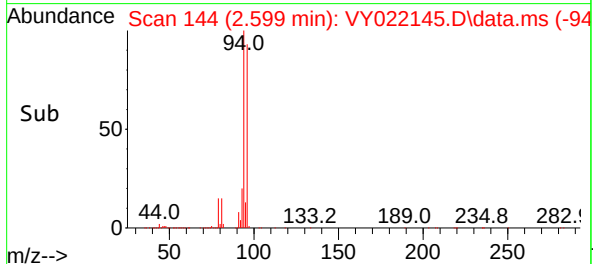
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



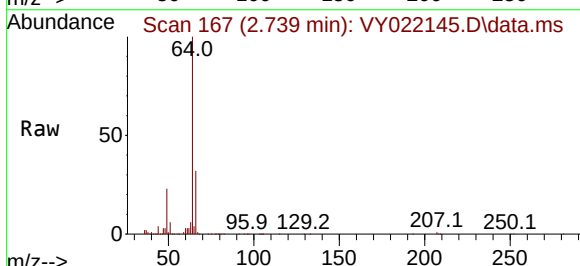
Tgt Ion: 94 Resp: 160309
Ion Ratio Lower Upper
94 100
96 93.3 74.6 111.8

Manual Integrations
APPROVED

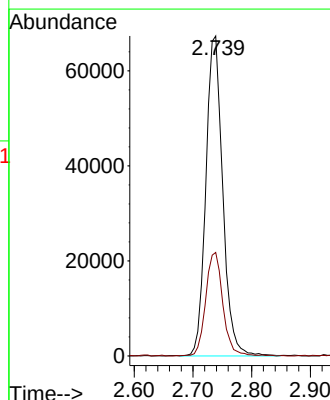
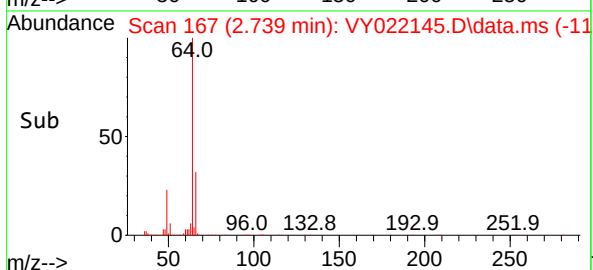
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

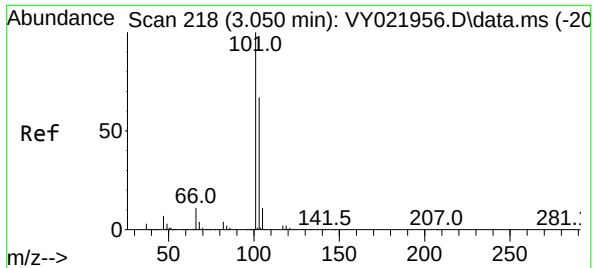


#6
Chloroethane
Concen: 43.970 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



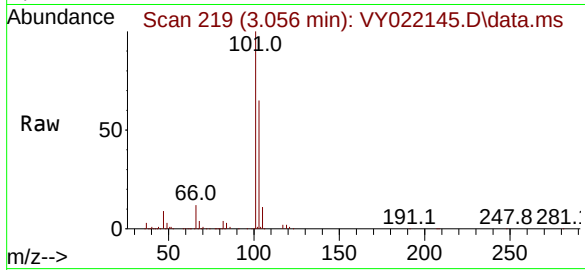
Tgt Ion: 64 Resp: 134635
Ion Ratio Lower Upper
64 100
66 32.3 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 45.927 ug/l
 RT: 3.056 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46

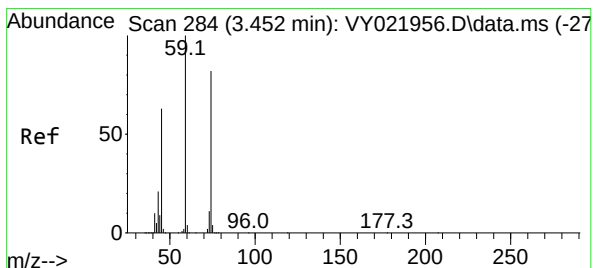
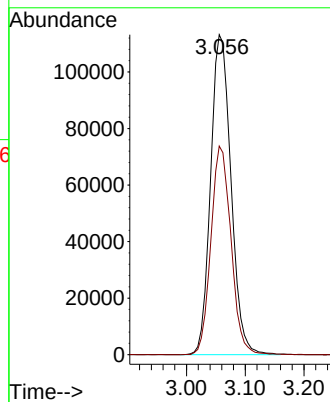
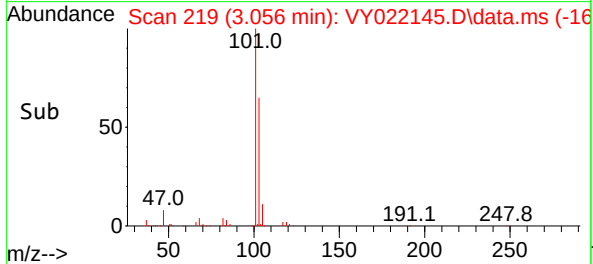
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



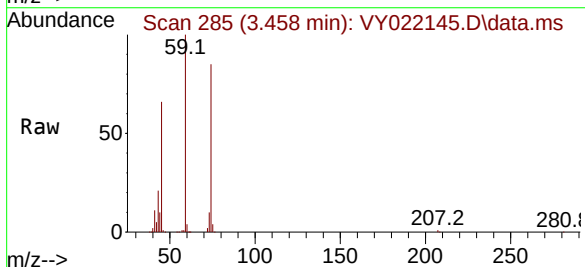
Tgt Ion:101 Resp: 272284
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.6 80.4

Manual Integrations
 APPROVED

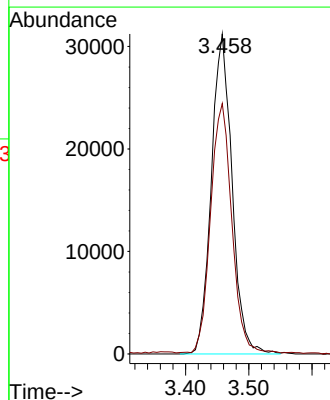
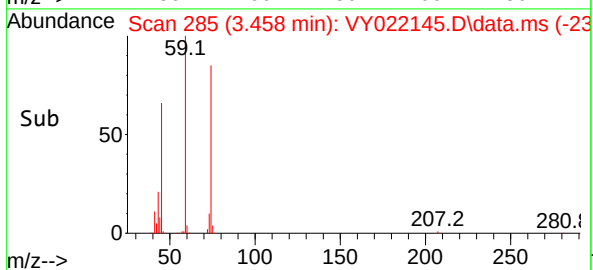
Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

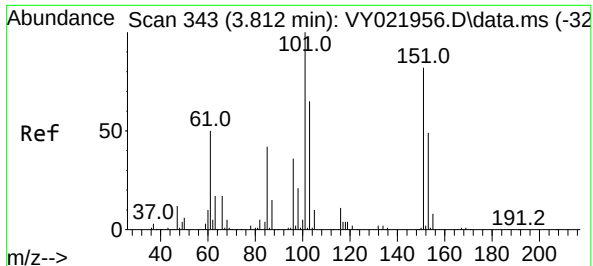


#8
 Diethyl Ether
 Concen: 45.905 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46



Tgt Ion: 74 Resp: 70835
 Ion Ratio Lower Upper
 74 100
 45 79.3 39.1 117.5





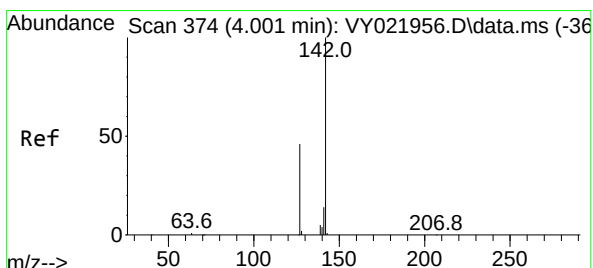
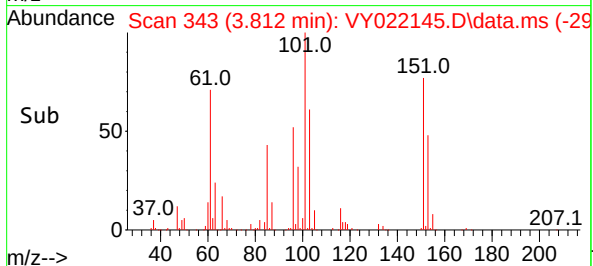
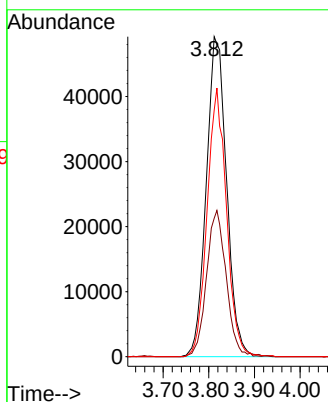
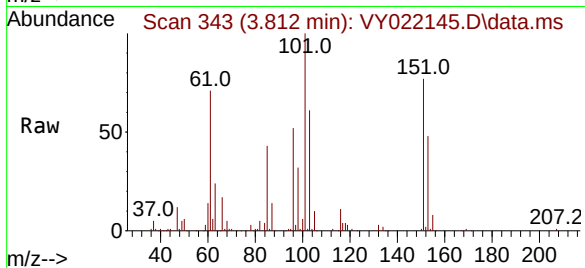
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.352 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 15228
Ion Ratio Lower Upper
101 100
85 44.1 34.6 51.8
151 79.8 63.7 95.5

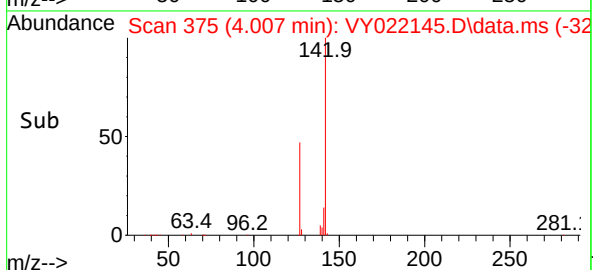
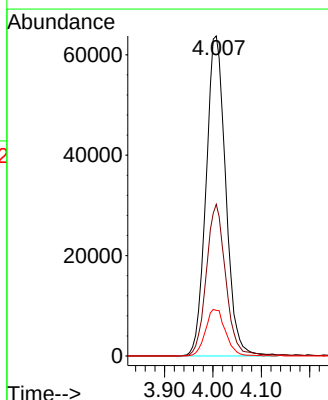
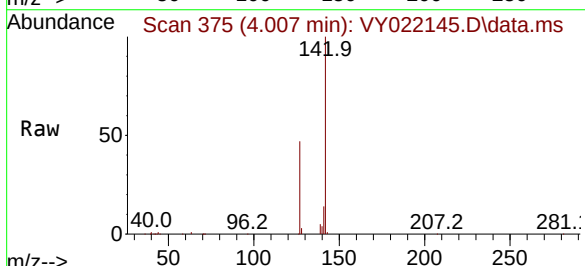
Manual Integrations
APPROVED

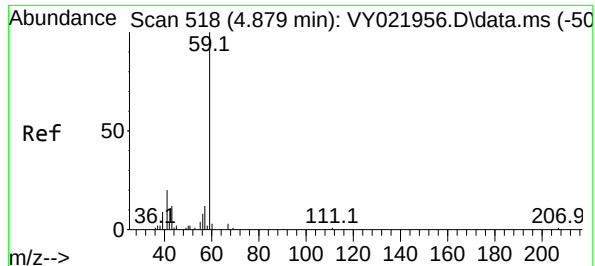
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#10
Methyl Iodide
Concen: 48.326 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:142 Resp: 179944
Ion Ratio Lower Upper
142 100
127 46.7 36.2 54.2
141 14.8 11.7 17.5





#11

Tert butyl alcohol

Concen: 231.296 ug/l

RT: 4.872 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 3536

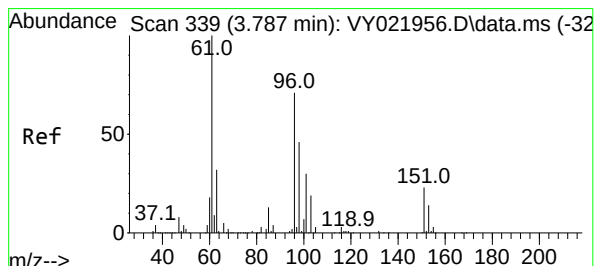
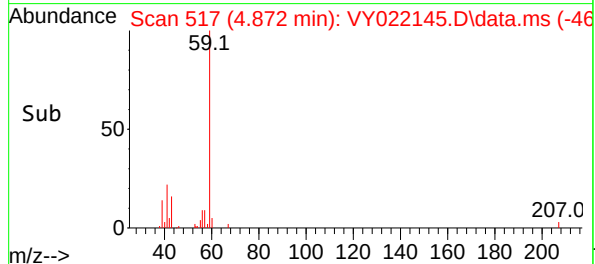
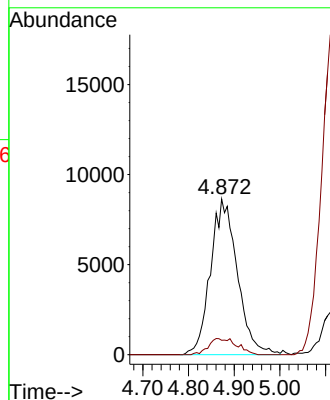
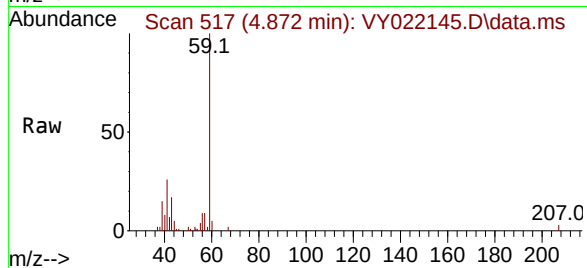
Ion Ratio Lower Upper

59 100

57 11.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#12

1,1-Dichloroethene

Concen: 47.553 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

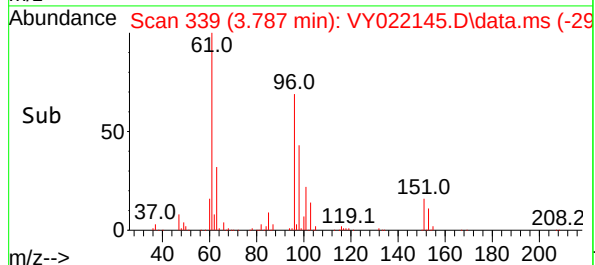
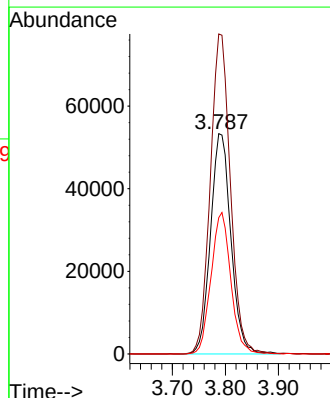
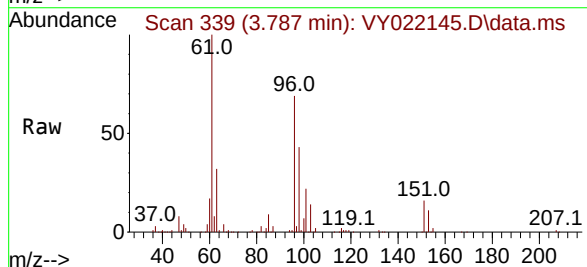
Tgt Ion: 96 Resp: 142549

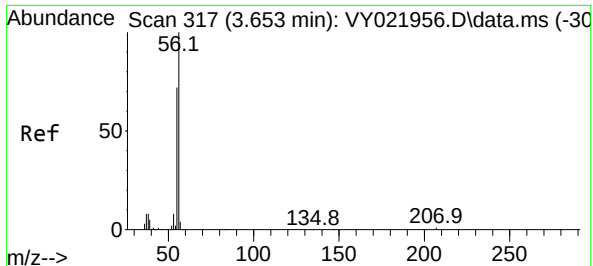
Ion Ratio Lower Upper

96 100

61 145.3 113.0 169.4

98 61.9 51.4 77.2





#13

Acrolein

Concen: 124.956 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 34294

Ion Ratio Lower Upper

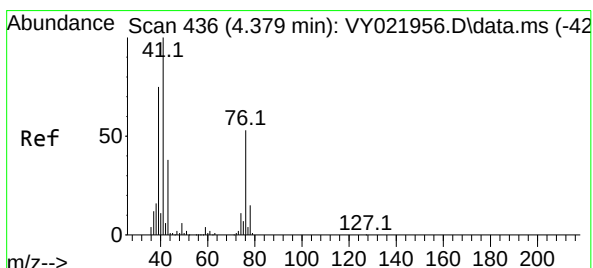
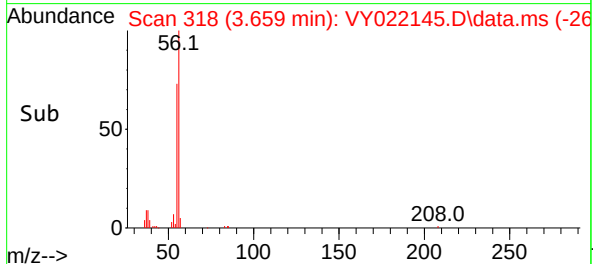
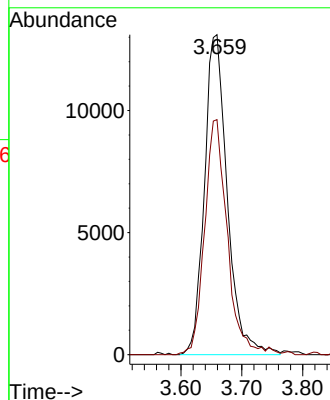
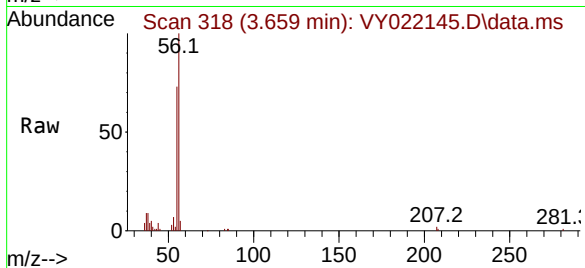
56 100

55 72.0 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#14

Allyl chloride

Concen: 47.571 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

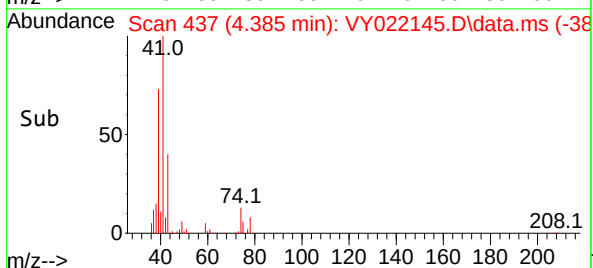
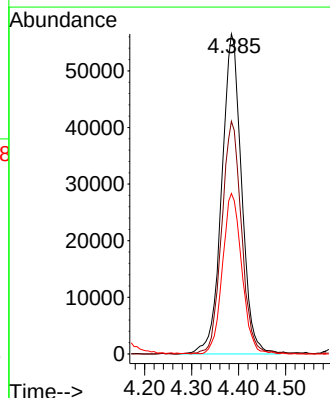
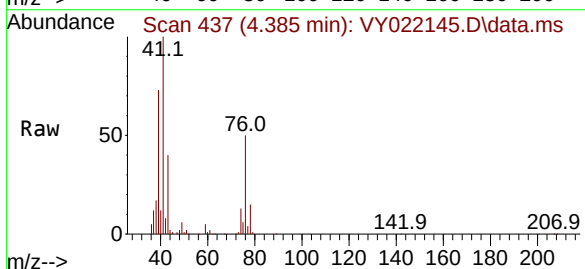
Tgt Ion: 41 Resp: 166047

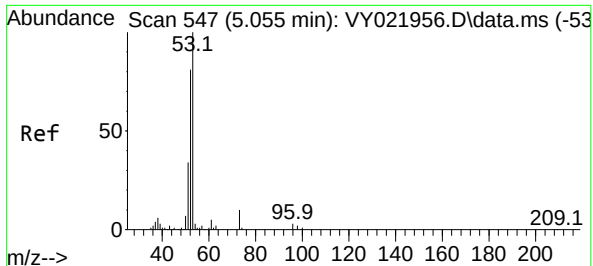
Ion Ratio Lower Upper

41 100

39 72.9 57.2 85.8

76 48.4 39.7 59.5





#15

Acrylonitrile

Concen: 235.378 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022145.D

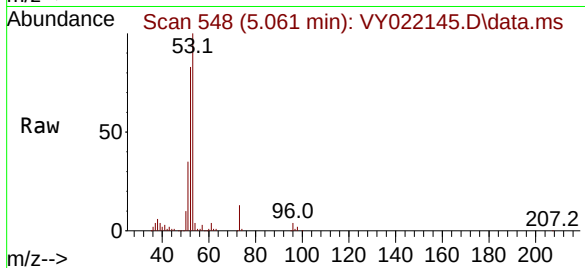
Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 53 Resp: 13296

Ion Ratio Lower Upper

53 100

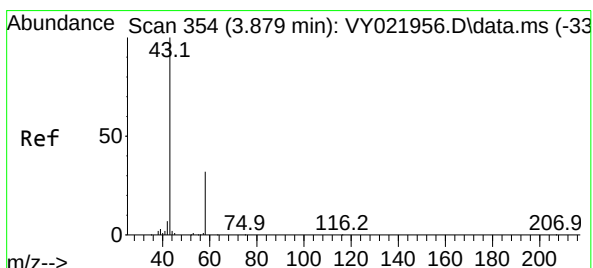
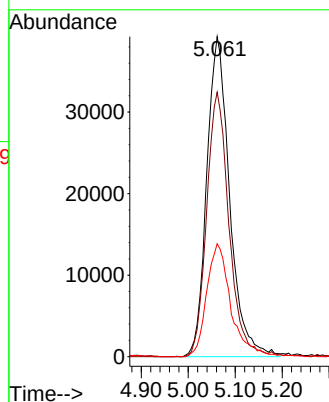
52 80.2 65.0 97.6

51 37.2 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#16

Acetone

Concen: 257.728 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022145.D

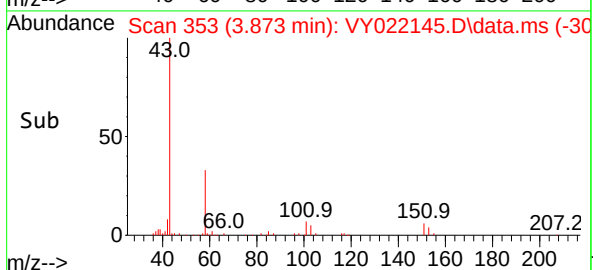
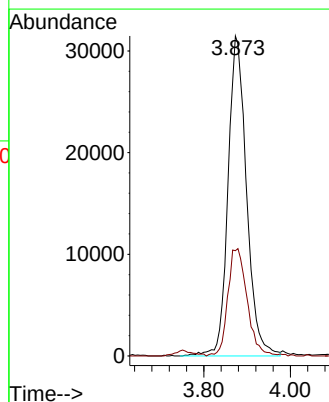
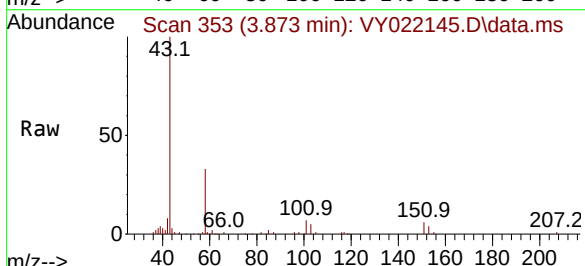
Acq: 05 May 2025 08:46

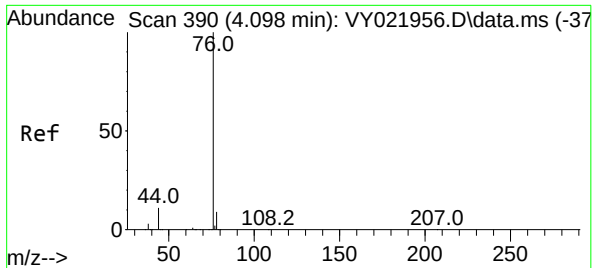
Tgt Ion: 43 Resp: 93721

Ion Ratio Lower Upper

43 100

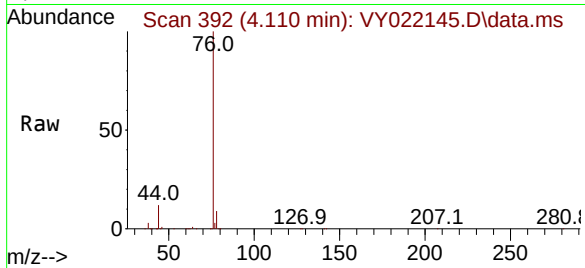
58 32.3 27.0 40.4





#17
Carbon Disulfide
Concen: 44.306 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

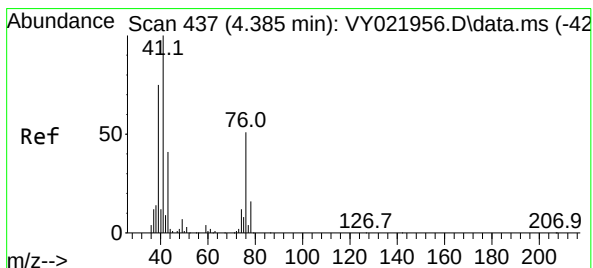
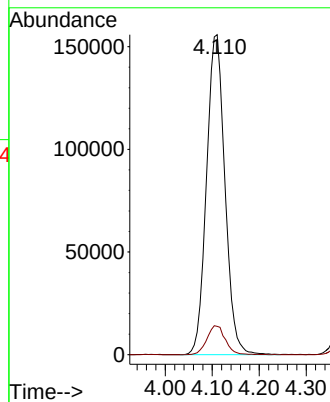
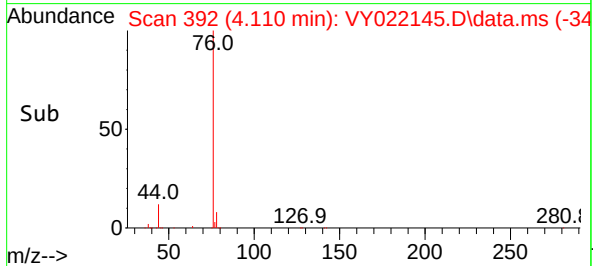
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 423479
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4

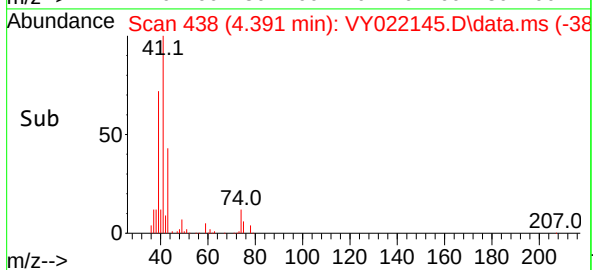
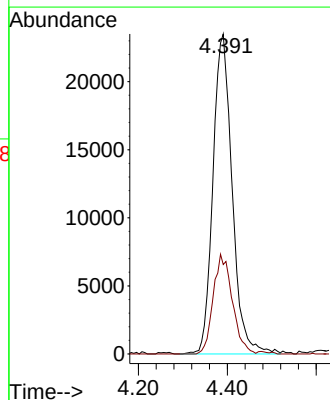
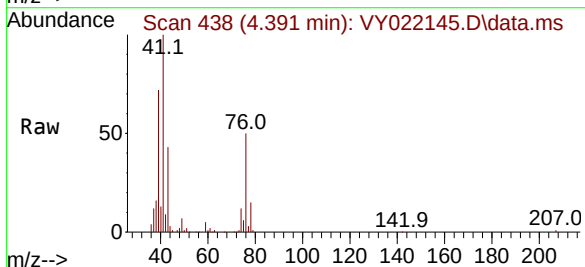
Manual Integrations
APPROVED

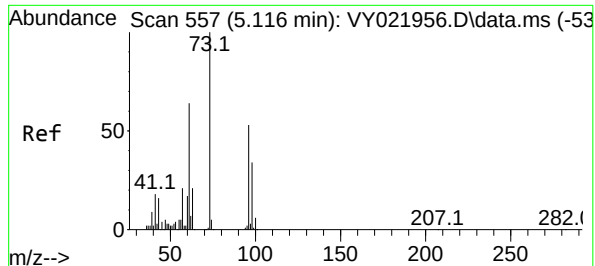
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#18
Methyl Acetate
Concen: 54.193 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 70510
Ion Ratio Lower Upper
43 100
74 30.9 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 49.847 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 33444

Ion Ratio Lower Upper

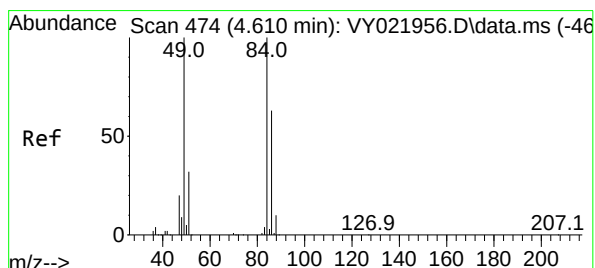
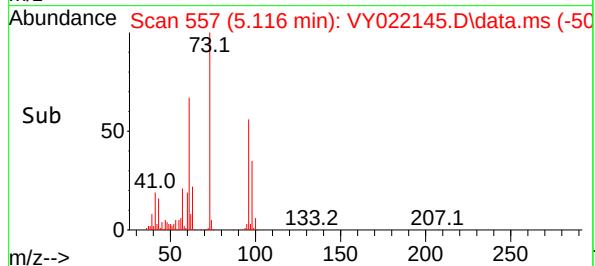
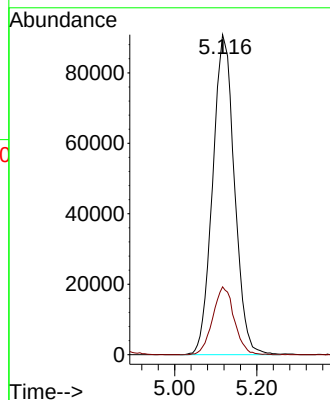
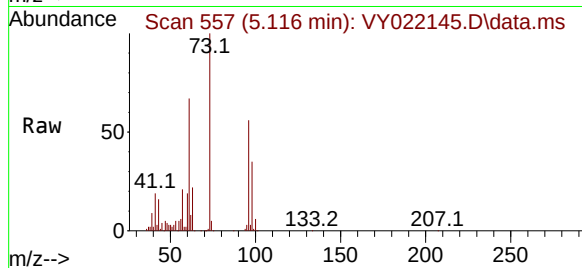
73 100

57 21.2 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#20

Methylene Chloride

Concen: 45.663 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Tgt Ion: 84 Resp: 160823

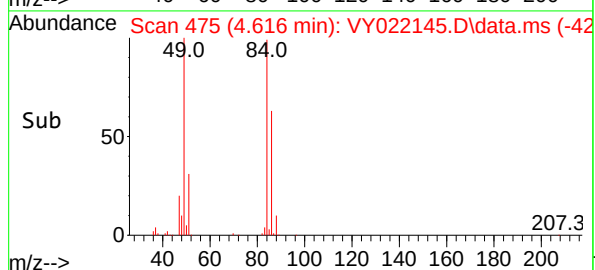
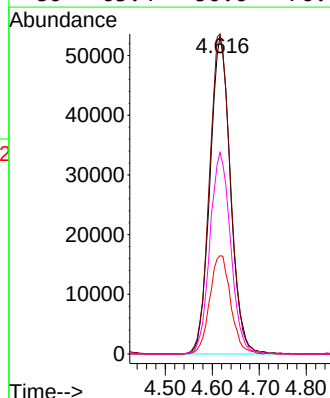
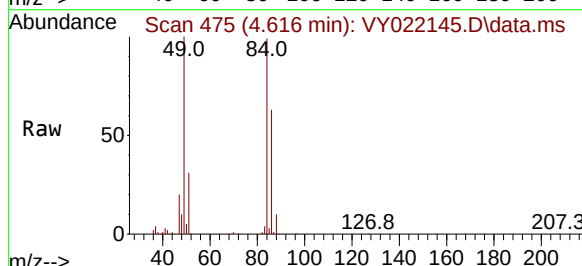
Ion Ratio Lower Upper

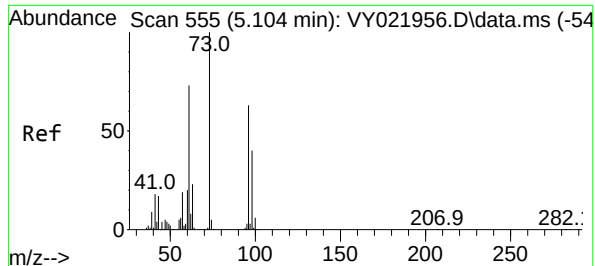
84 100

49 100.7 79.9 119.9

51 30.9 25.4 38.0

86 63.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 47.497 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022145.D

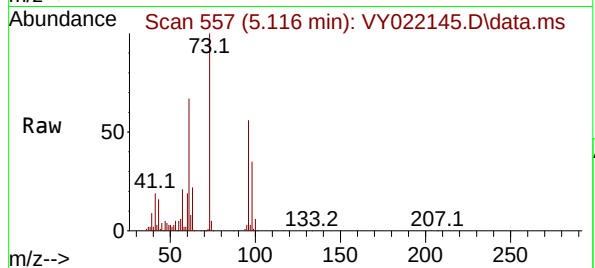
Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 159450

Ion Ratio Lower Upper

96 100

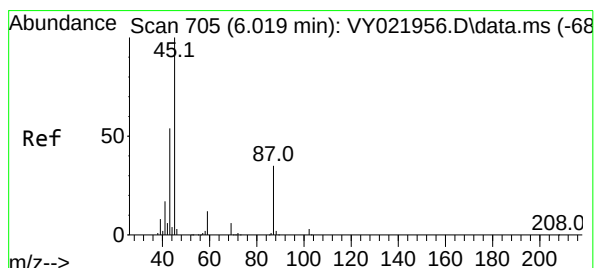
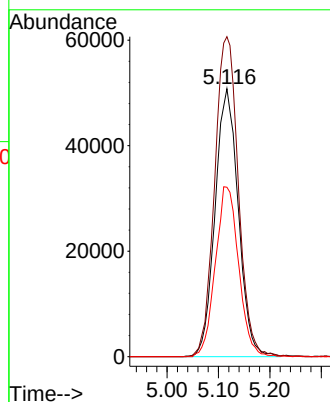
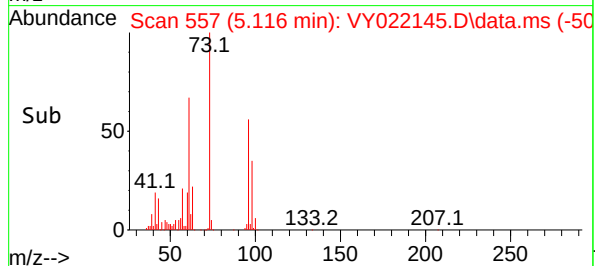
61 119.4 92.6 138.8

98 63.2 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#22

Diisopropyl ether

Concen: 49.807 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Tgt Ion: 45 Resp: 386882

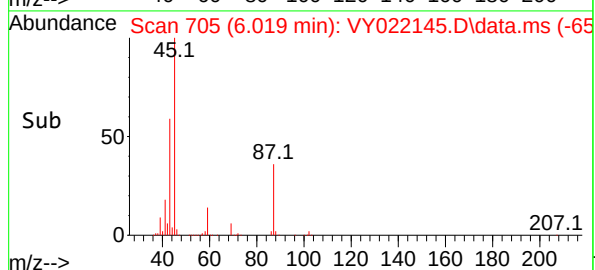
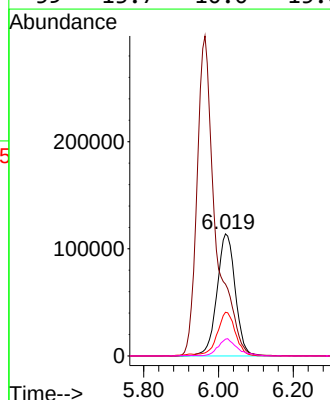
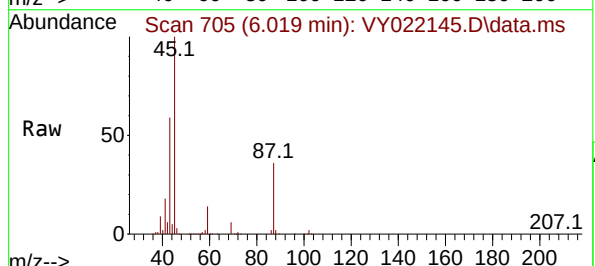
Ion Ratio Lower Upper

45 100

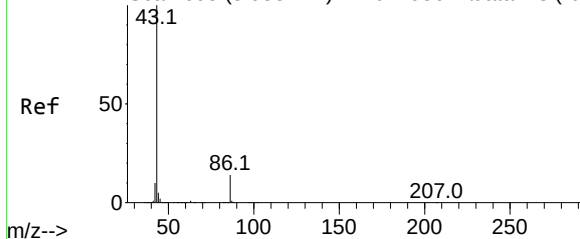
43 58.6 43.6 65.4

87 35.8 28.2 42.4

59 13.7 10.0 15.0



Abundance Scan 695 (5.958 min): VY021956.D\data.ms (-68



#23

Vinyl Acetate

Concen: 244.768 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 102466

Ion Ratio Lower Upper

43 100

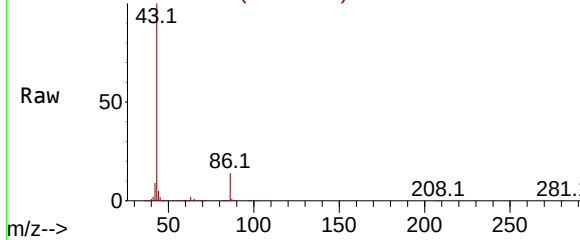
86 13.8 11.1 16.7

Manual Integrations

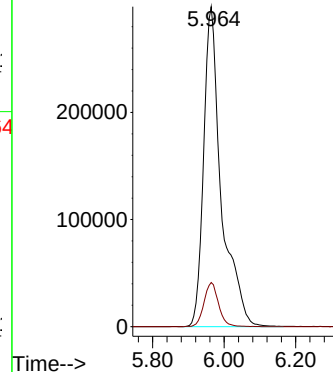
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

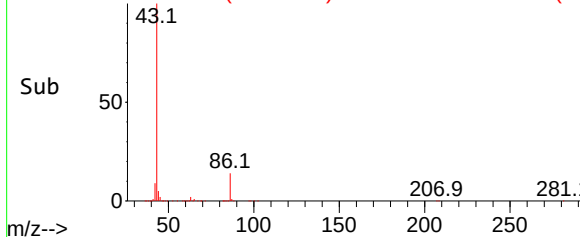
Abundance Scan 696 (5.964 min): VY022145.D\data.ms



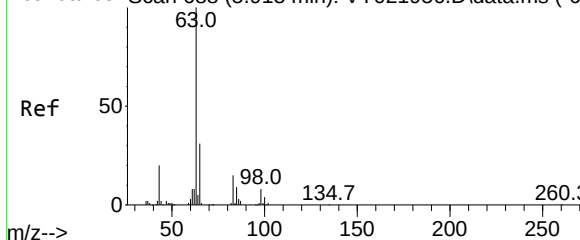
Abundance



Abundance Scan 696 (5.964 min): VY022145.D\data.ms (-64



Abundance Scan 688 (5.915 min): VY021956.D\data.ms (-67



#24

1,1-Dichloroethane

Concen: 47.860 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 257691

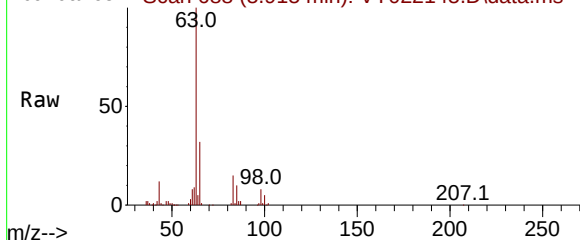
Ion Ratio Lower Upper

63 100

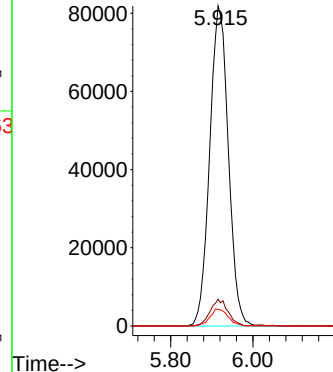
98 8.4 4.0 11.9

100 5.2 2.0 6.0

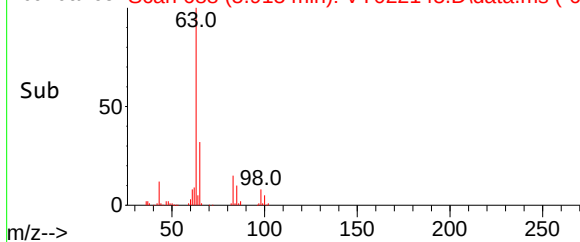
Abundance Scan 688 (5.915 min): VY022145.D\data.ms

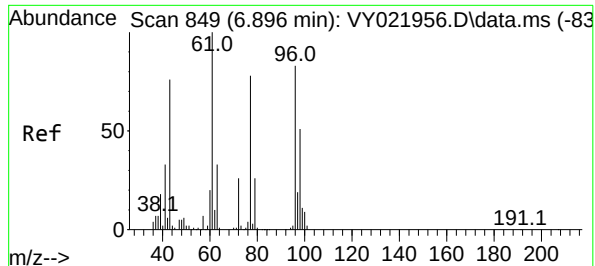


Abundance



Abundance Scan 688 (5.915 min): VY022145.D\data.ms (-63





#25

2-Butanone

Concen: 238.488 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 15141

Ion Ratio Lower Upper

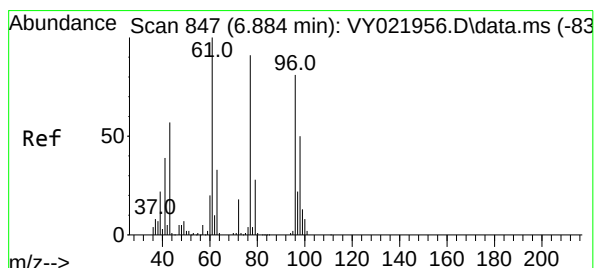
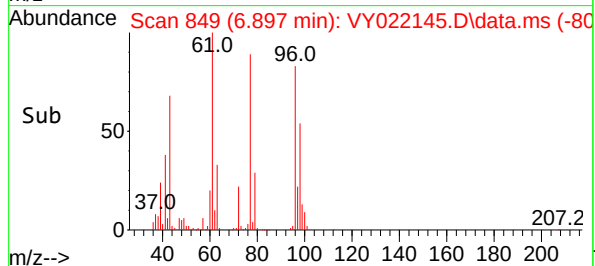
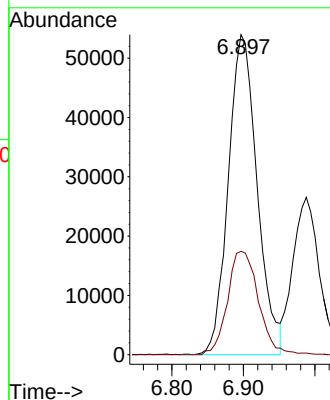
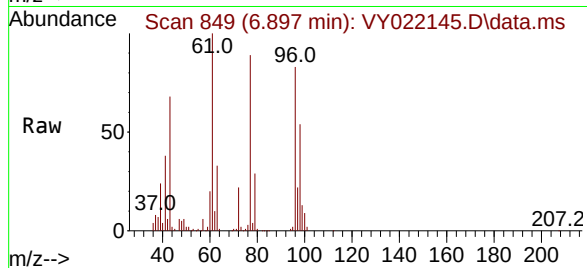
43 100

72 32.3 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#26

2,2-Dichloropropane

Concen: 50.391 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY022145.D

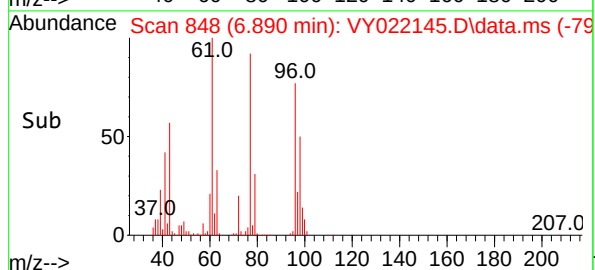
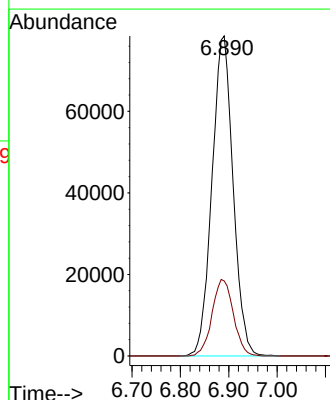
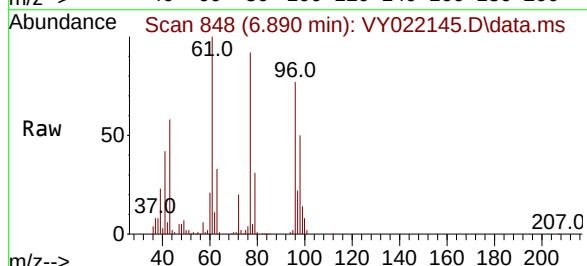
Acq: 05 May 2025 08:46

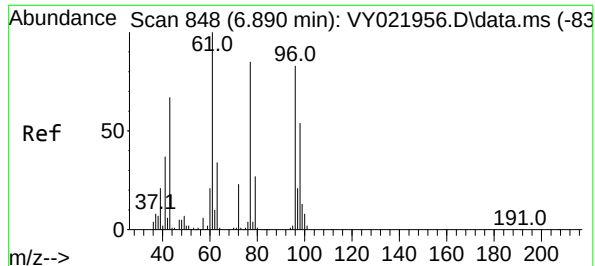
Tgt Ion: 77 Resp: 237802

Ion Ratio Lower Upper

77 100

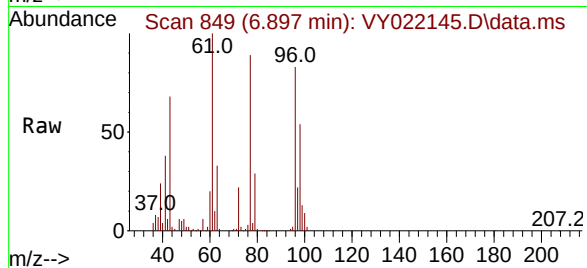
97 24.1 12.4 37.4





#27
 cis-1,2-Dichloroethene
 Concen: 48.965 ug/l
 RT: 6.897 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46

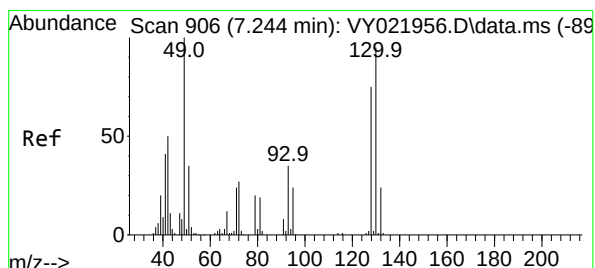
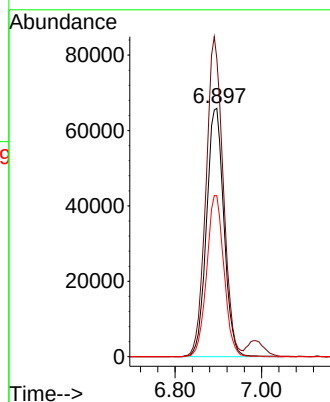
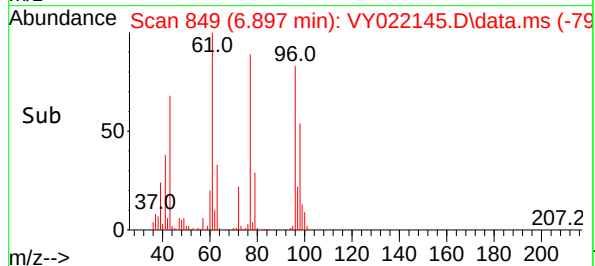
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 183808
 Ion Ratio Lower Upper
 96 100
 61 127.5 0.0 251.4
 98 64.2 0.0 128.4

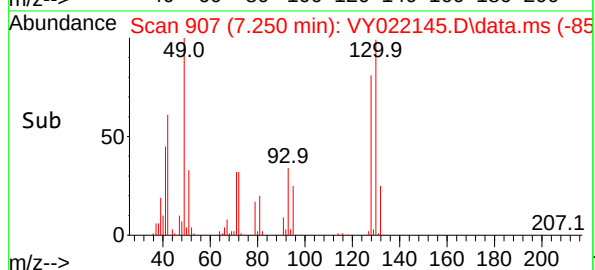
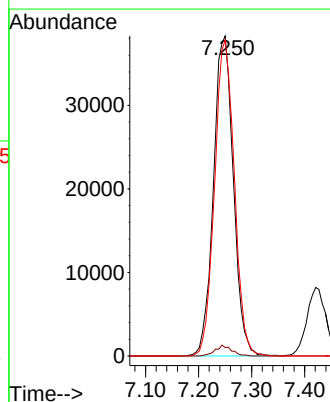
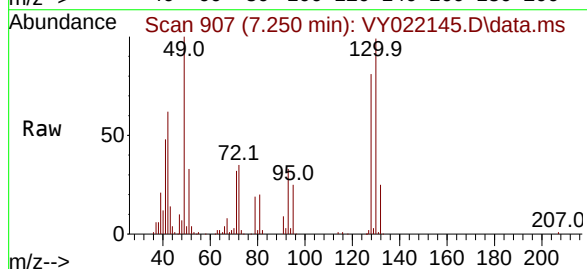
Manual Integrations
 APPROVED

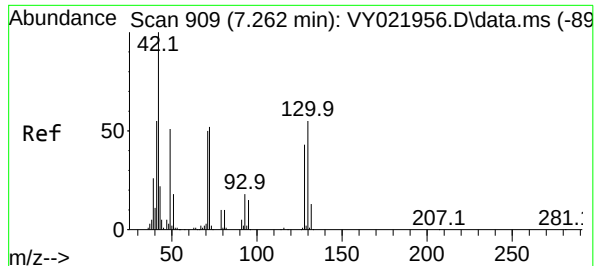
Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#28
 Bromochloromethane
 Concen: 47.760 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46

Tgt Ion: 49 Resp: 99882
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.0
 130 97.9 78.2 117.4





#29

Tetrahydrofuran

Concen: 246.313 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 101569

Ion Ratio Lower Upper

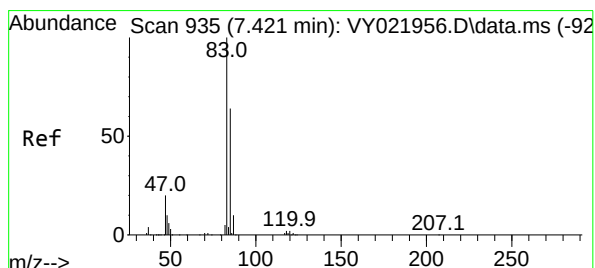
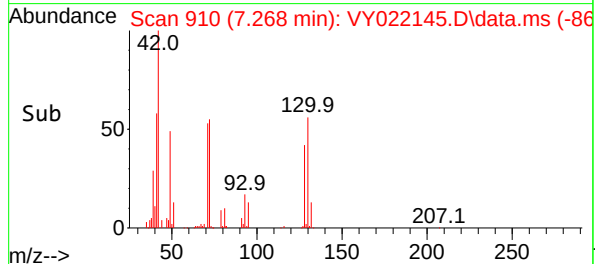
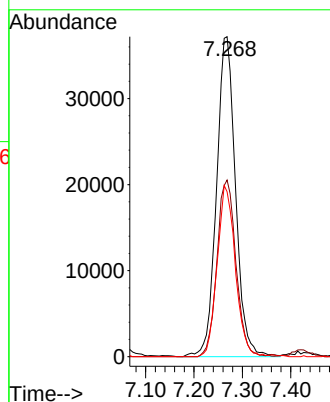
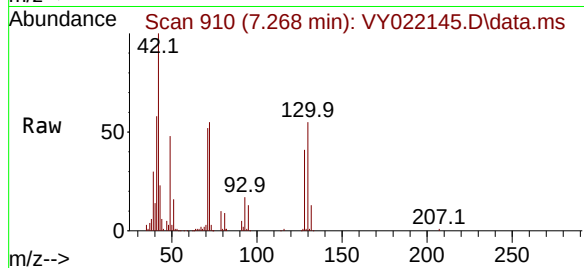
42 100

72 55.2 42.6 63.8

71 51.1 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#30

Chloroform

Concen: 48.804 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022145.D

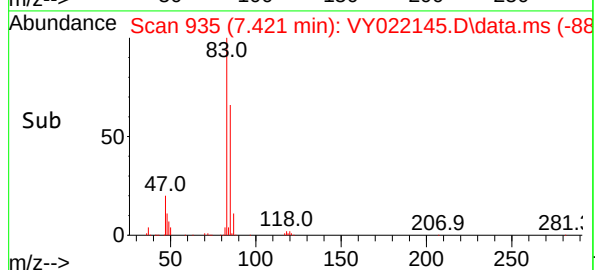
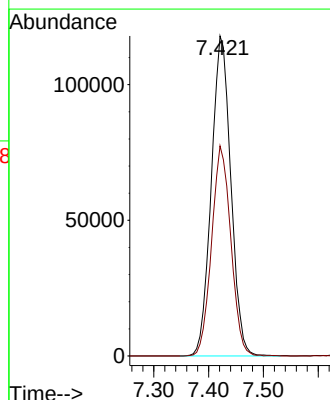
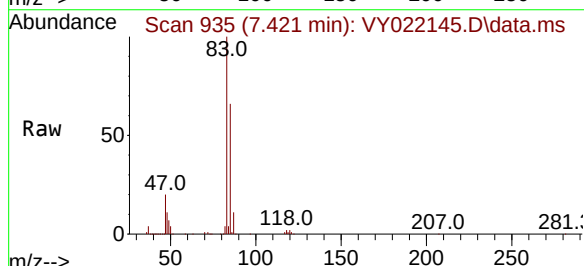
Acq: 05 May 2025 08:46

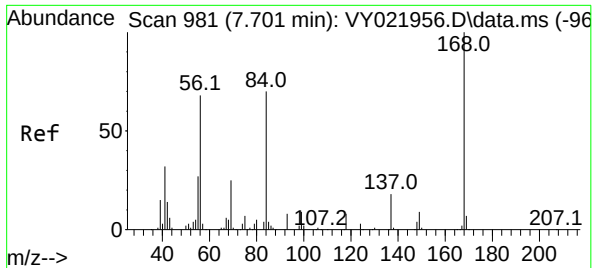
Tgt Ion: 83 Resp: 291473

Ion Ratio Lower Upper

83 100

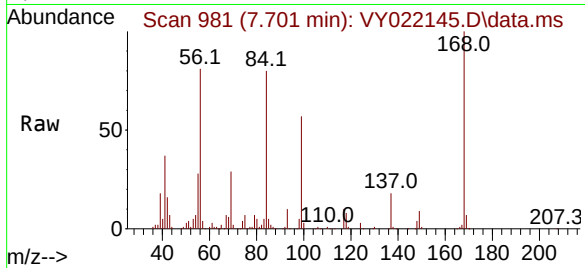
85 65.7 51.3 76.9





#31
Cyclohexane
Concen: 46.963 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

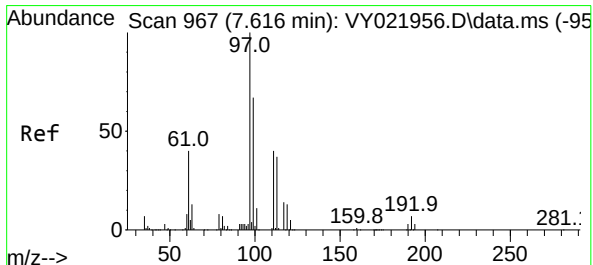
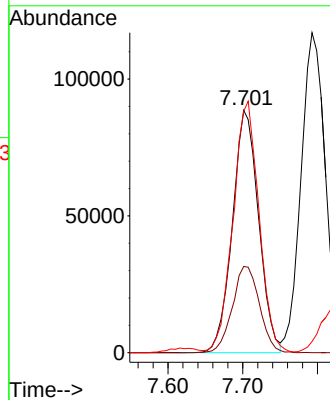
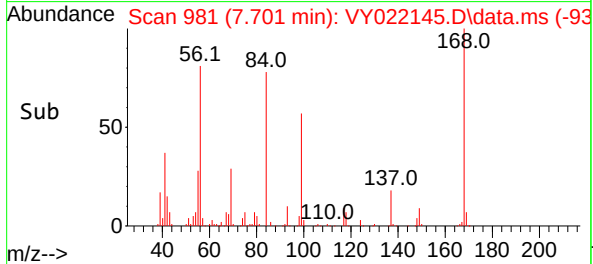
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



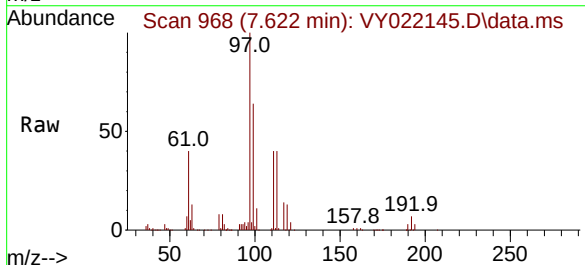
Tgt Ion: 56 Resp: 21623
Ion Ratio Lower Upper
56 100
69 35.5 29.4 44.2
84 97.7 82.2 123.4

Manual Integrations
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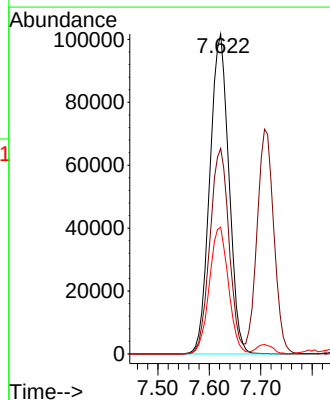
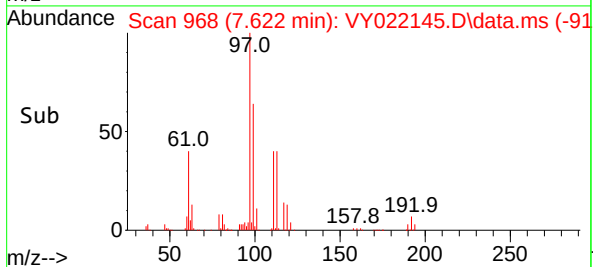
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

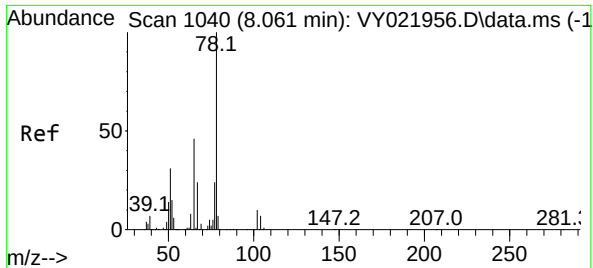


#32
1,1,1-Trichloroethane
Concen: 48.496 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



Tgt Ion: 97 Resp: 262037
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 39.8 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 47.708 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 13288

Ion Ratio Lower Upper

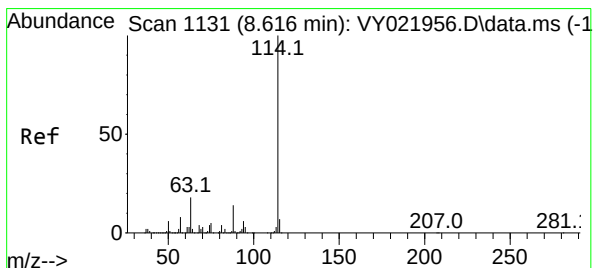
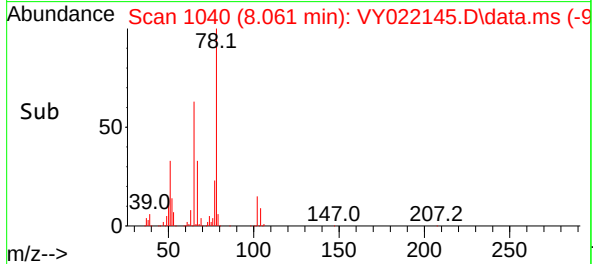
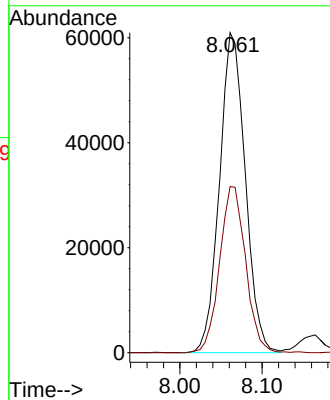
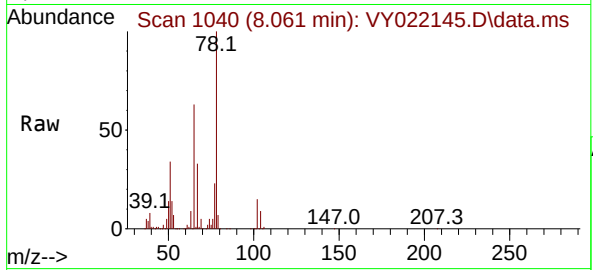
65 100

67 52.3 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

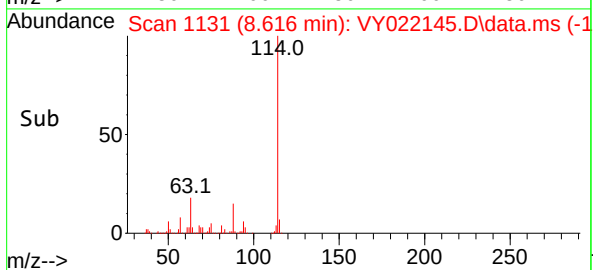
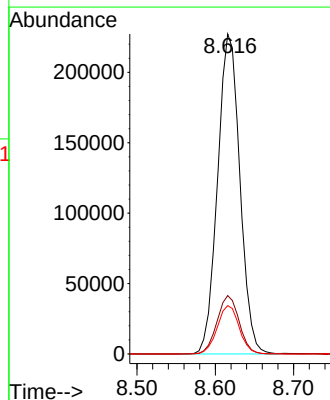
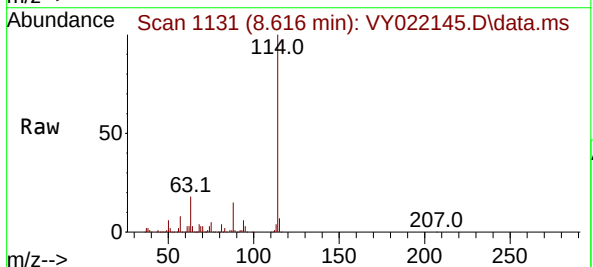
Tgt Ion:114 Resp: 450262

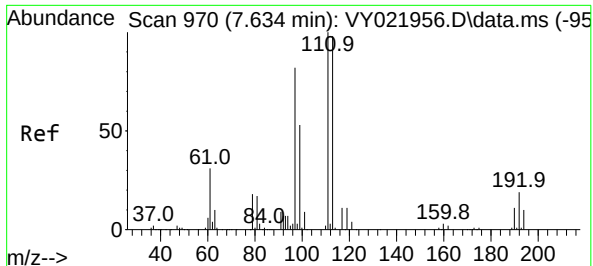
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 15.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 146280

Ion Ratio Lower Upper

113 100

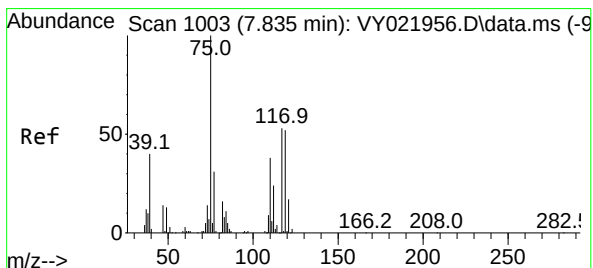
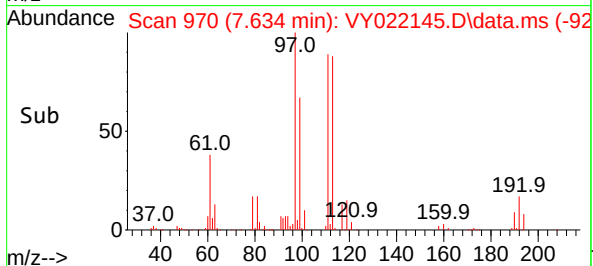
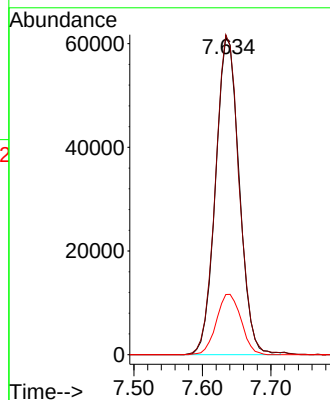
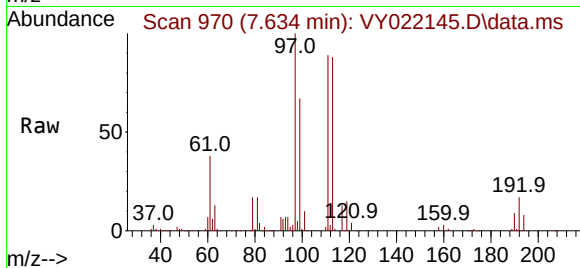
111 101.3 81.8 122.8

192 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#36

1,1-Dichloropropene

Concen: 50.333 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

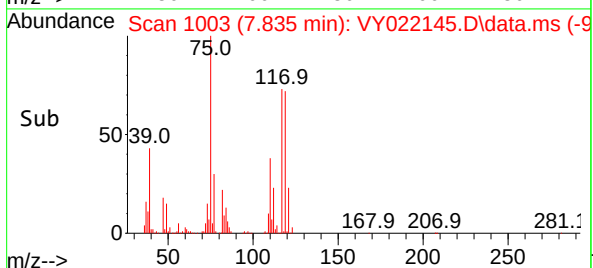
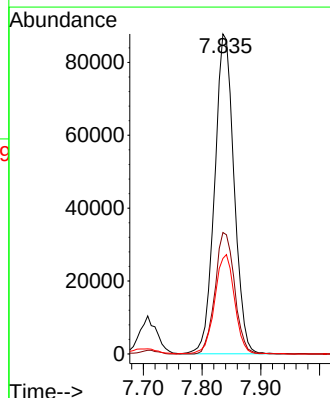
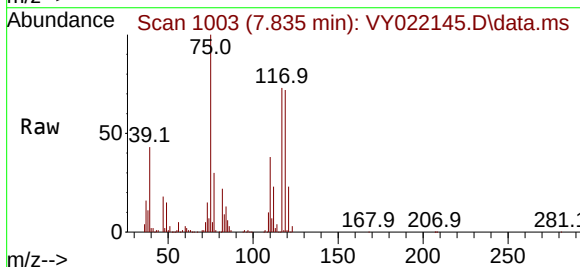
Tgt Ion: 75 Resp: 201117

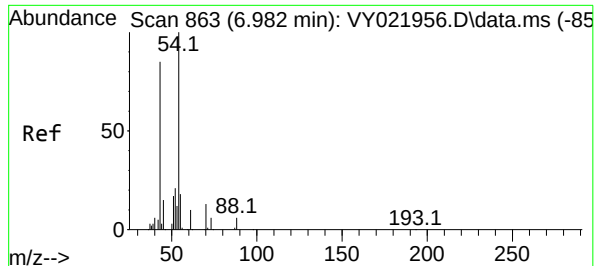
Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.3

77 31.8 25.5 38.3





#37

Ethyl Acetate

Concen: 48.702 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 69892

Ion Ratio Lower Upper

43 100

61 15.8 13.8 20.6

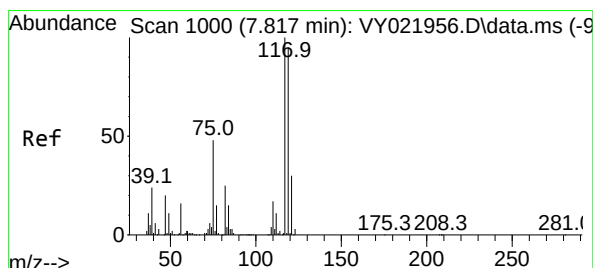
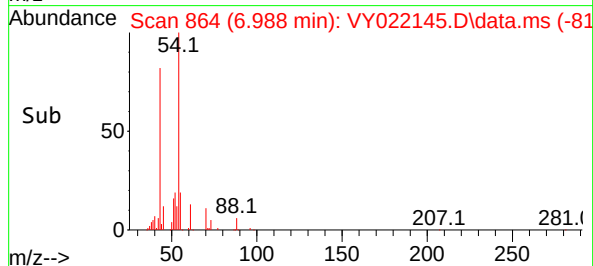
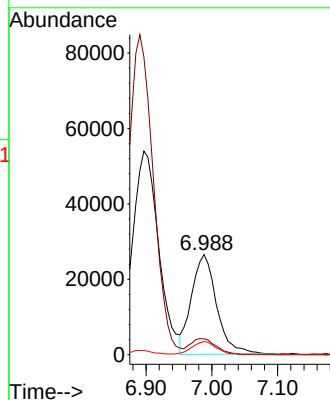
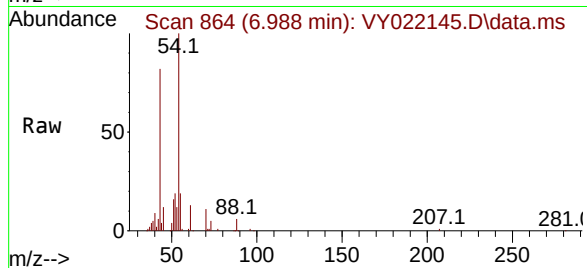
70 13.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#38

Carbon Tetrachloride

Concen: 50.908 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

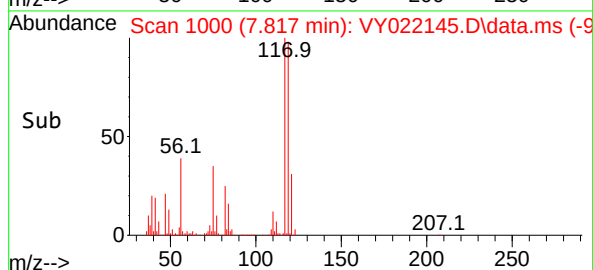
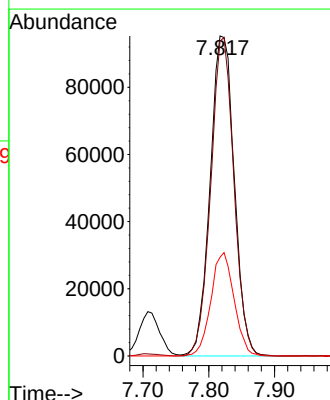
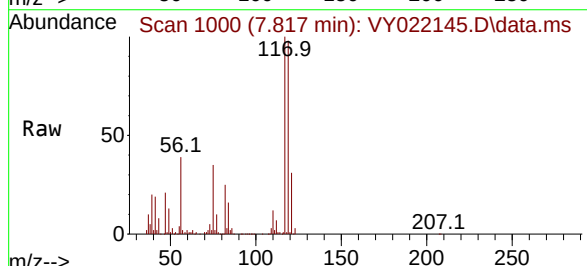
Tgt Ion:117 Resp: 243069

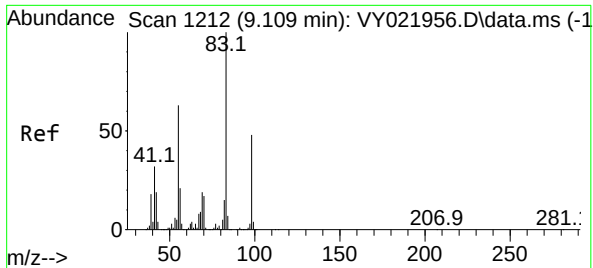
Ion Ratio Lower Upper

117 100

119 98.4 76.2 114.4

121 30.8 24.0 36.0





#39

Methylcyclohexane

Concen: 51.187 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 257390

Ion Ratio Lower Upper

83 100

55 64.5 50.6 75.8

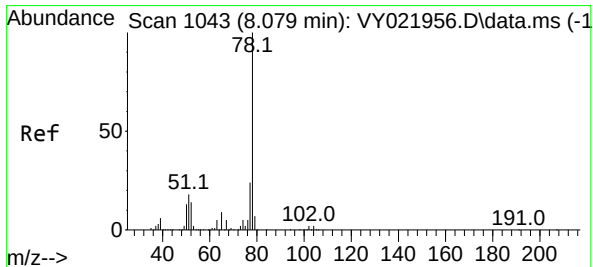
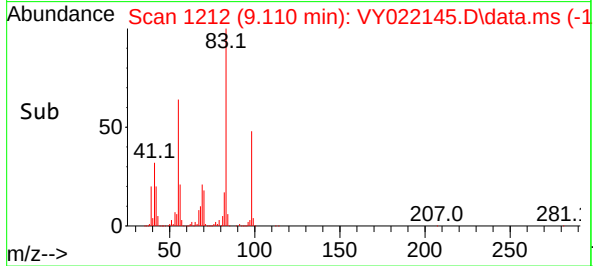
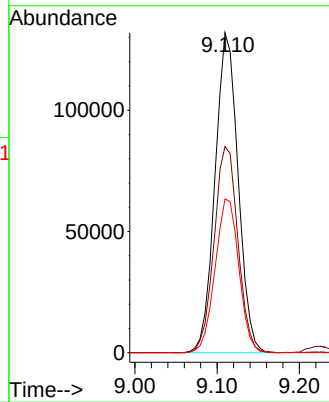
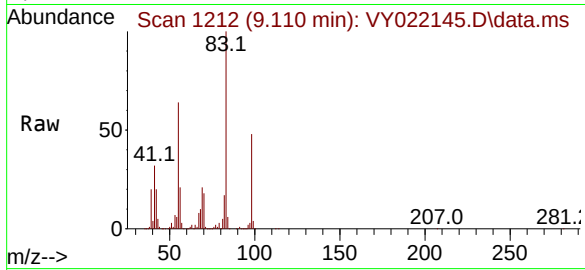
98 48.0 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#40

Benzene

Concen: 50.056 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY022145.D

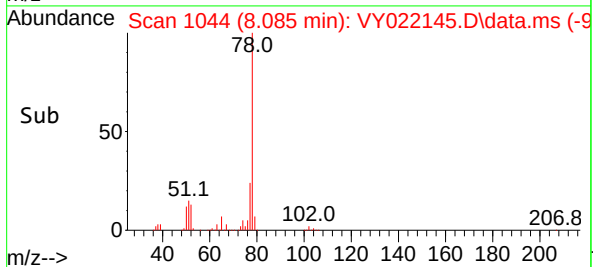
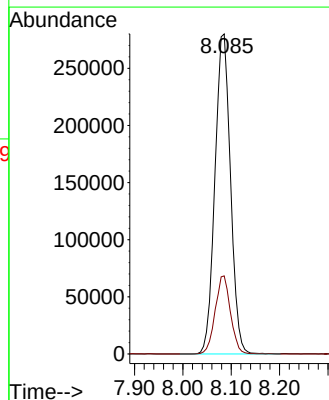
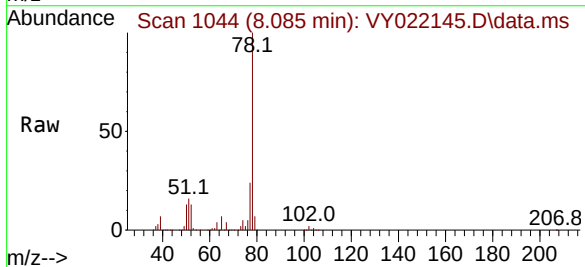
Acq: 05 May 2025 08:46

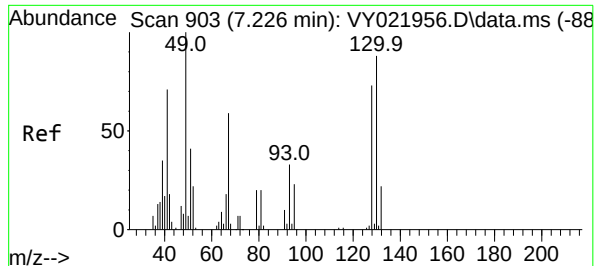
Tgt Ion: 78 Resp: 625230

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9





#41

Methacrylonitrile

Concen: 55.458 ug/l m

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 4350

Ion Ratio Lower Upper

41 100

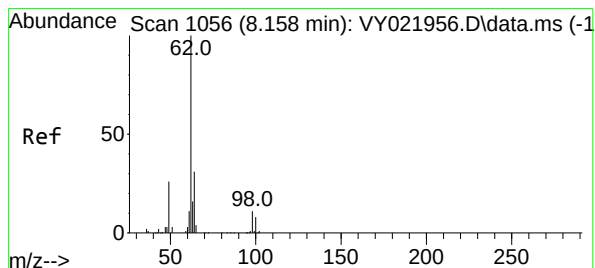
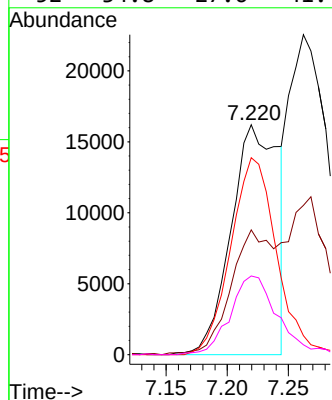
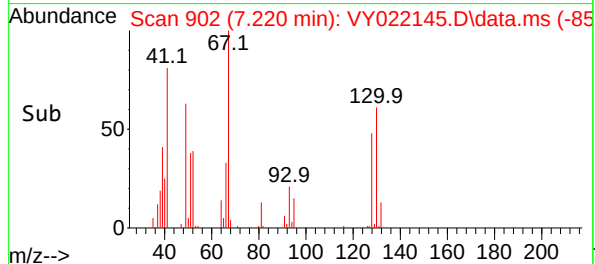
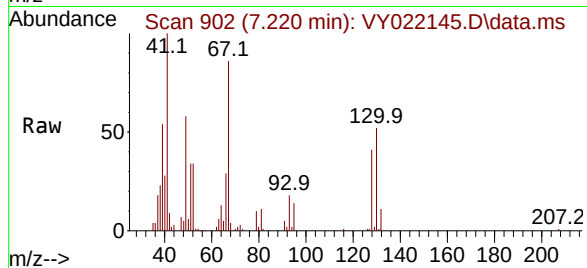
39 47.6 36.6 55.0

67 83.8 72.2 108.4

52 34.8 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#42

1,2-Dichloroethane

Concen: 51.493 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022145.D

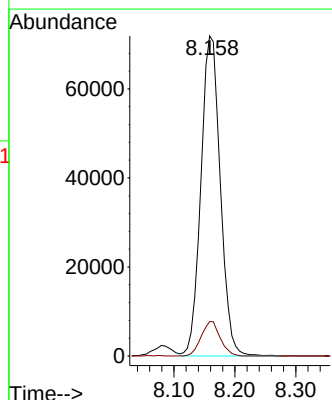
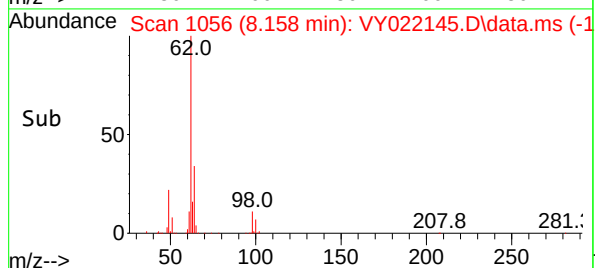
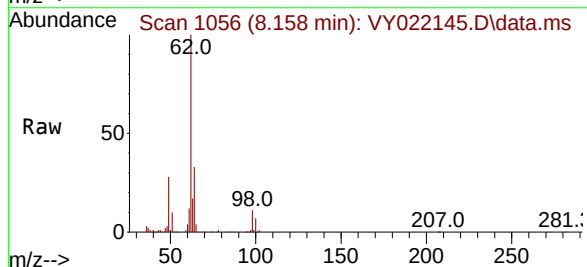
Acq: 05 May 2025 08:46

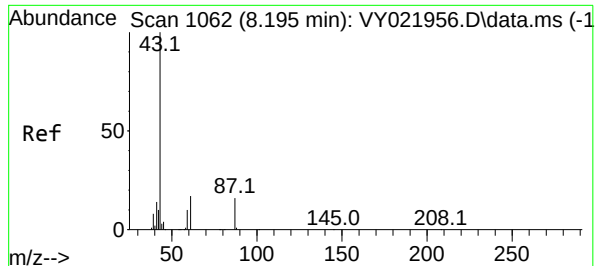
Tgt Ion: 62 Resp: 159242

Ion Ratio Lower Upper

62 100

98 10.5 0.0 22.0





#43

Isopropyl Acetate

Concen: 49.819 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022145.D

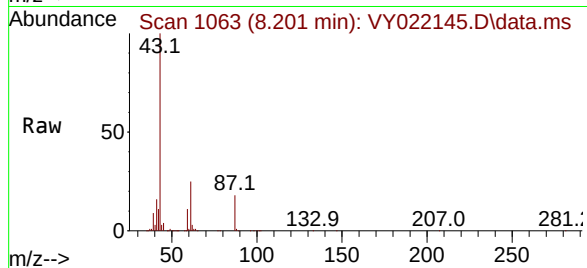
Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 137299

Ion Ratio Lower Upper

43

100

61

23.0

87

17.1

13.7

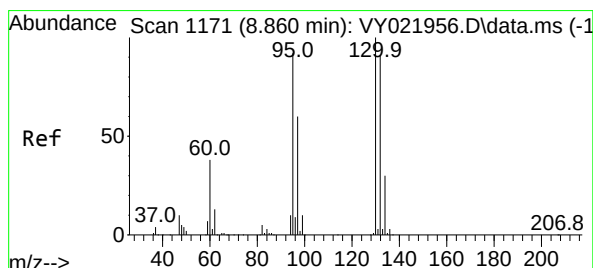
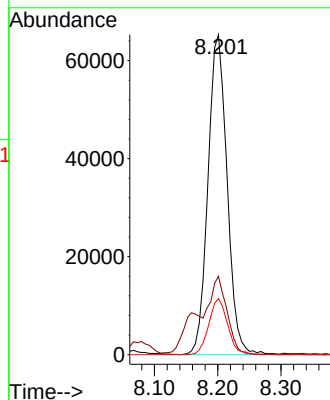
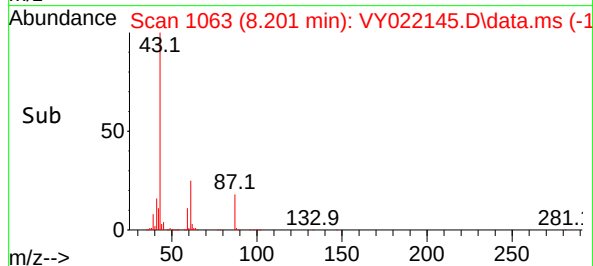
20.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#44

Trichloroethene

Concen: 50.021 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Tgt Ion:130 Resp: 173060

Ion Ratio Lower Upper

130

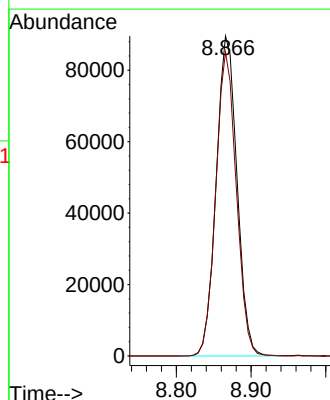
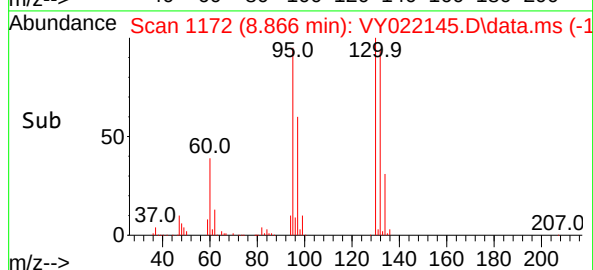
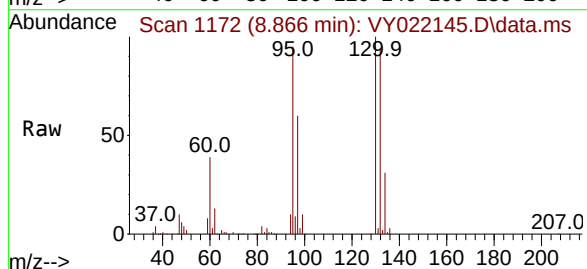
100

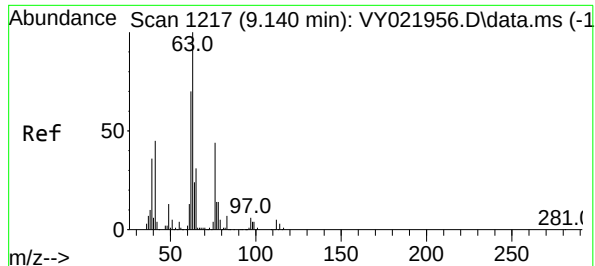
95

95.0

0.0

183.2





#45

1,2-Dichloropropane

Concen: 51.207 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 14144

Ion Ratio Lower Upper

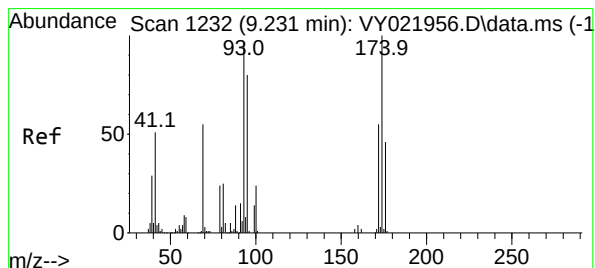
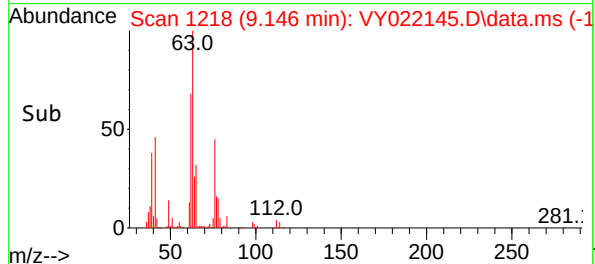
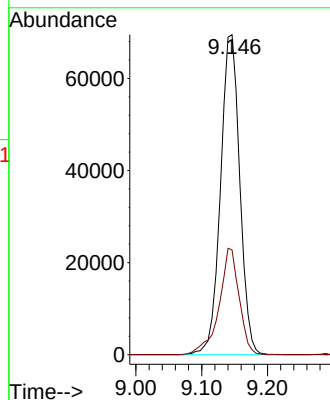
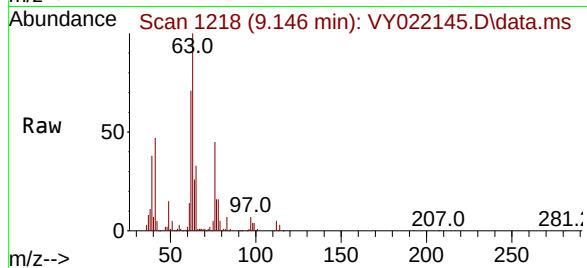
63 100

65 32.7 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#46

Dibromomethane

Concen: 50.312 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

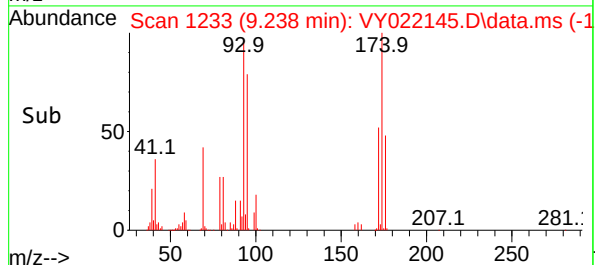
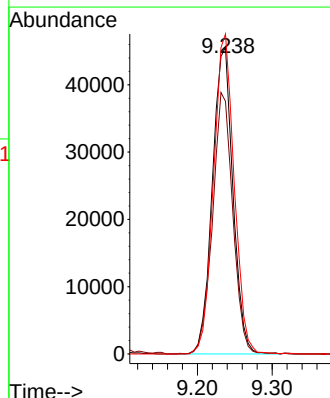
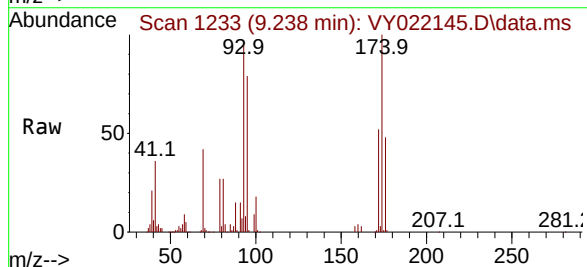
Tgt Ion: 93 Resp: 86996

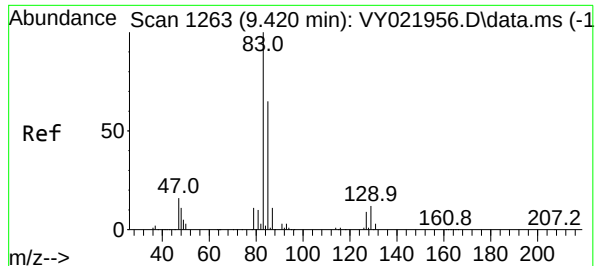
Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 104.7 84.6 127.0





#47

Bromodichloromethane

Concen: 51.319 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 221679

Ion Ratio Lower Upper

83 100

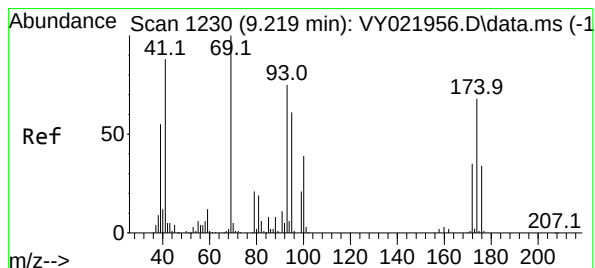
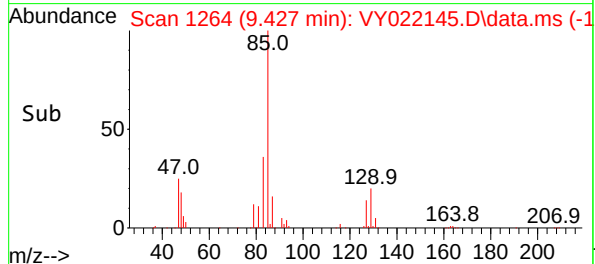
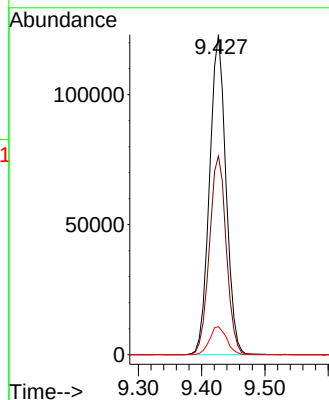
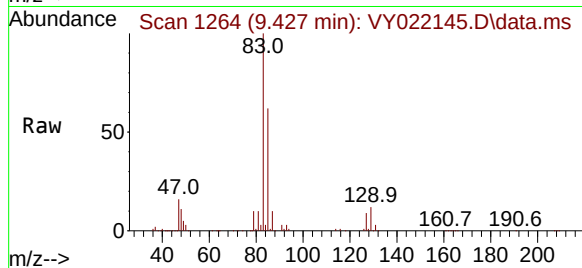
85 62.1 51.8 77.8

127 8.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#48

Methyl methacrylate

Concen: 52.721 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

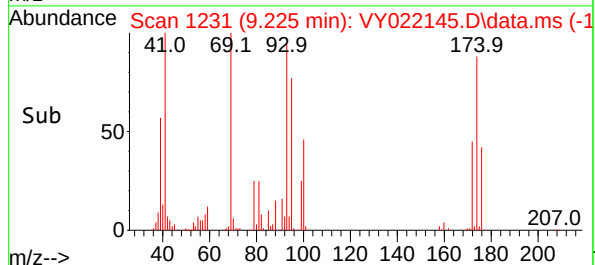
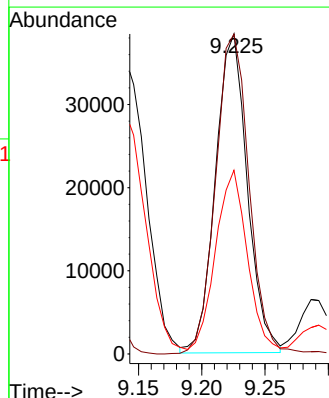
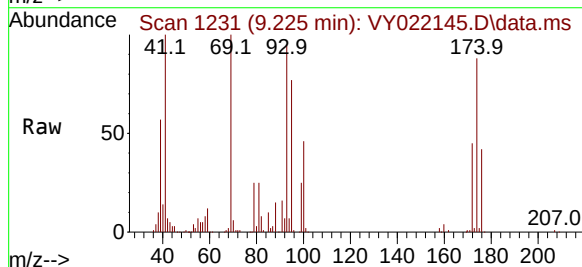
Tgt Ion: 41 Resp: 67168

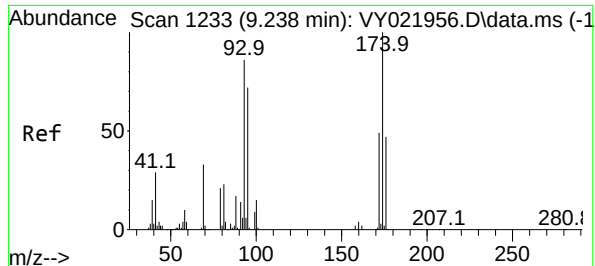
Ion Ratio Lower Upper

41 100

69 105.8 85.5 128.3

39 55.4 46.2 69.4





#49

1,4-Dioxane

Concen: 997.352 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1838

Ion Ratio Lower Upper

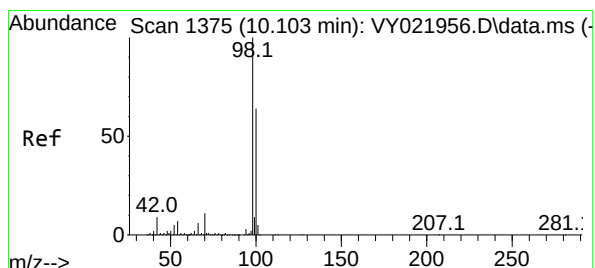
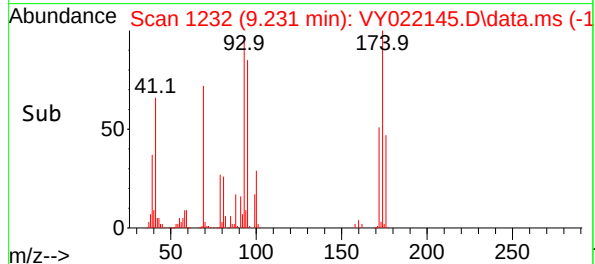
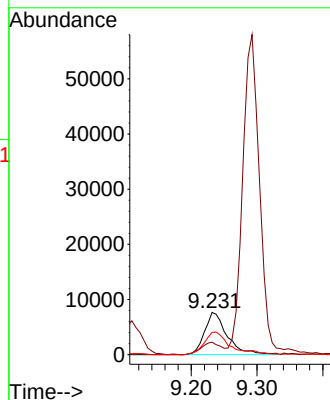
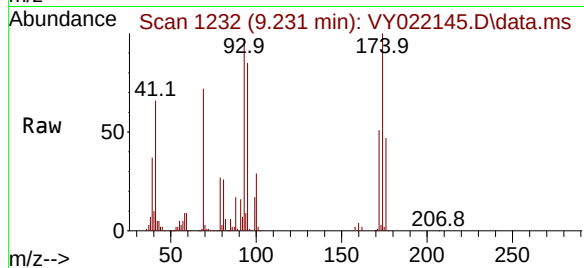
88 100

43 25.1 21.3 31.9

58 62.2 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#50

Toluene-d8

Concen: 49.907 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022145.D

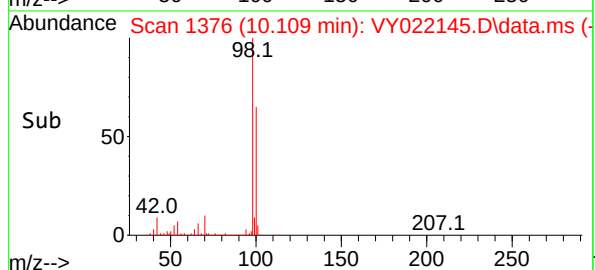
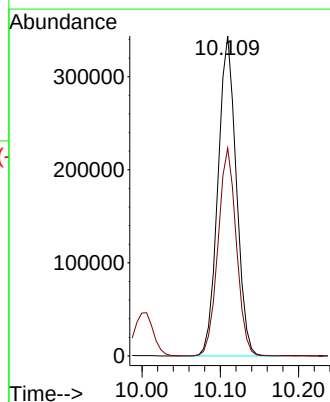
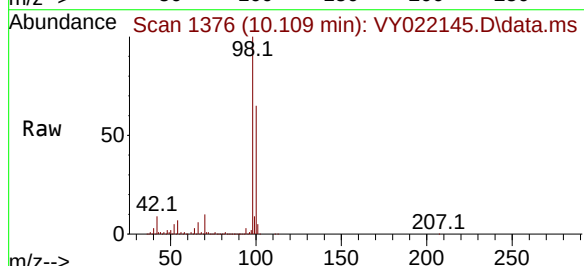
Acq: 05 May 2025 08:46

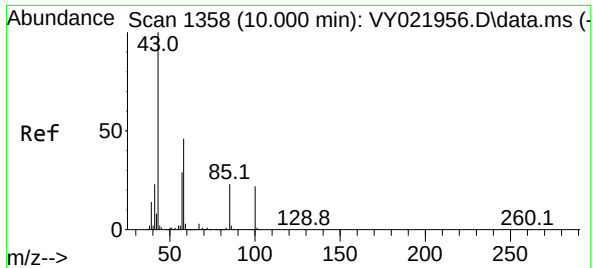
Tgt Ion: 98 Resp: 559680

Ion Ratio Lower Upper

98 100

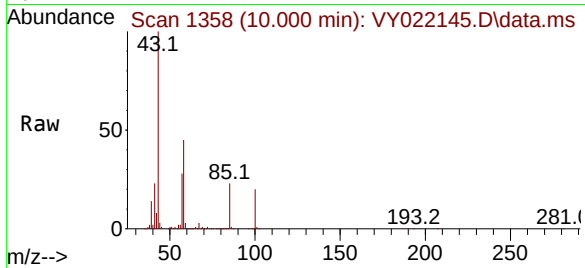
100 64.8 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 264.723 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

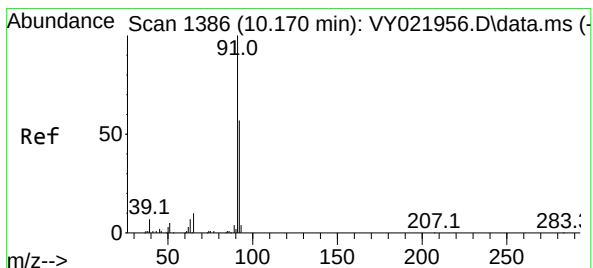
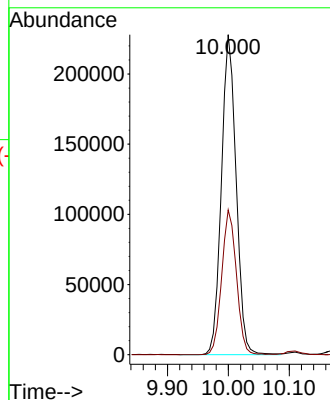
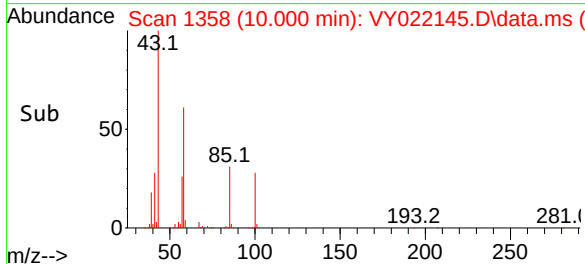
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 382449
Ion Ratio Lower Upper
43 100
58 45.1 36.6 55.0

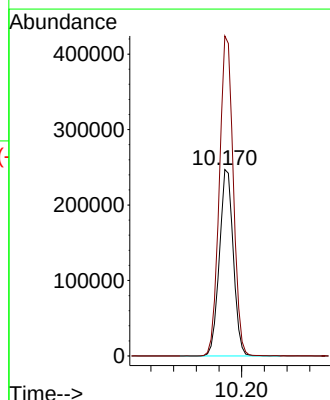
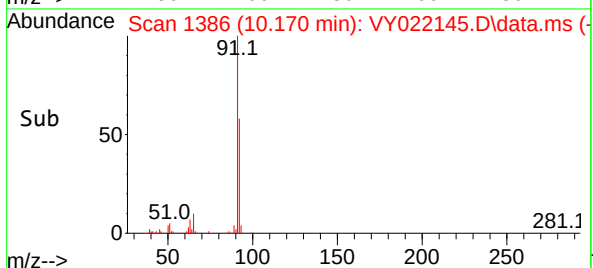
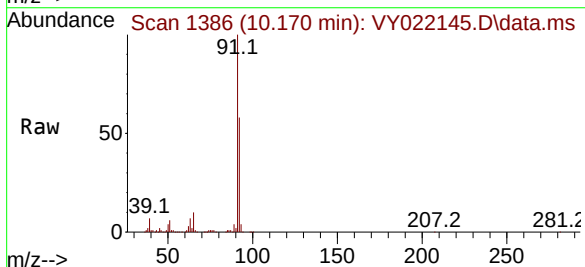
Manual Integrations
APPROVED

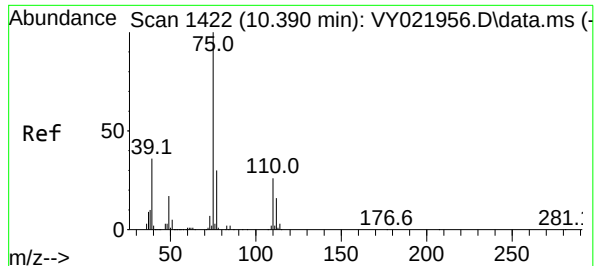
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#52
Toluene
Concen: 51.956 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

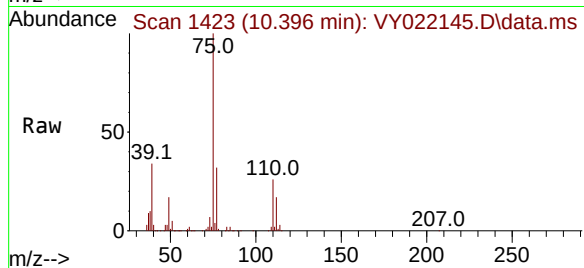
Tgt Ion: 92 Resp: 420077
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 51.928 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

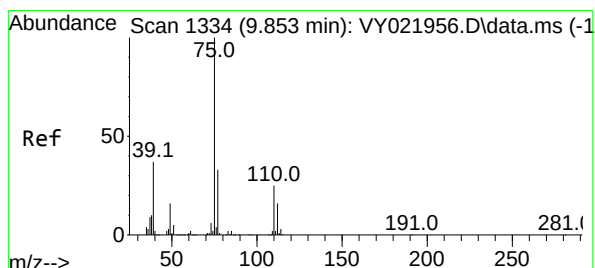
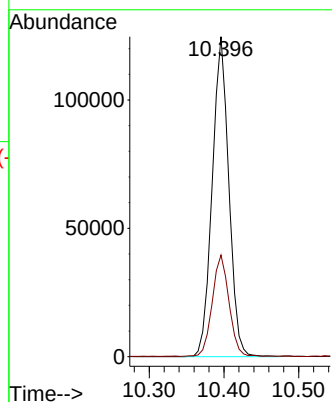
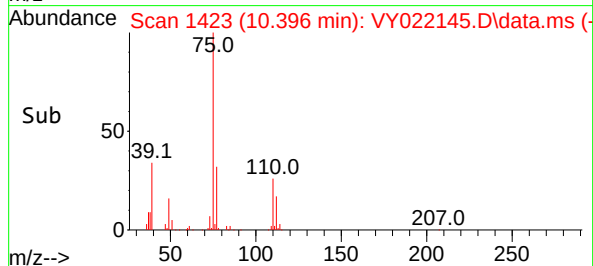
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



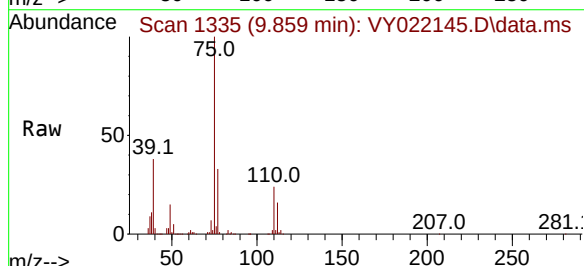
Tgt Ion: 75 Resp: 192400
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0

Manual Integrations
APPROVED

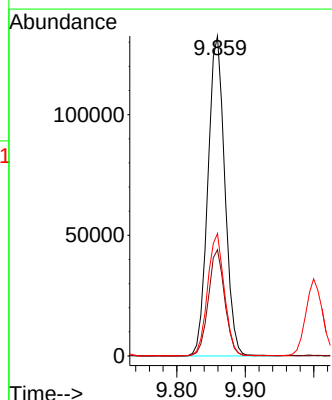
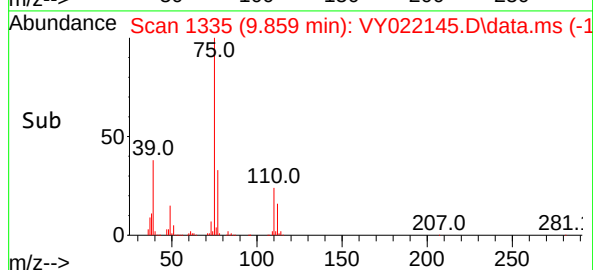
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

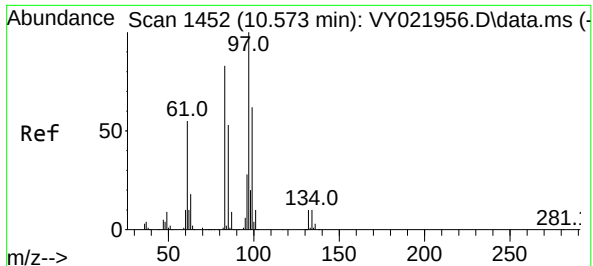


#54
cis-1,3-Dichloropropene
Concen: 51.667 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



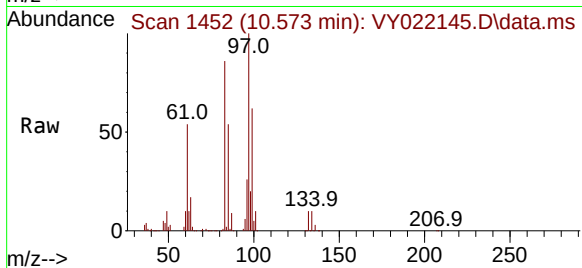
Tgt Ion: 75 Resp: 227562
Ion Ratio Lower Upper
75 100
77 33.2 26.6 40.0
39 38.2 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 51.742 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

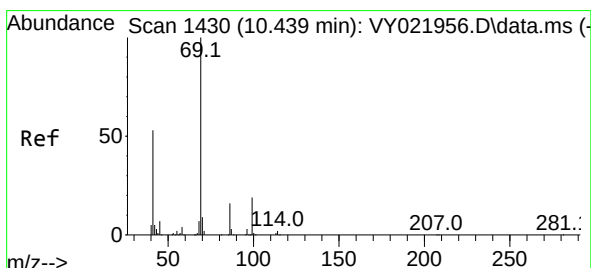
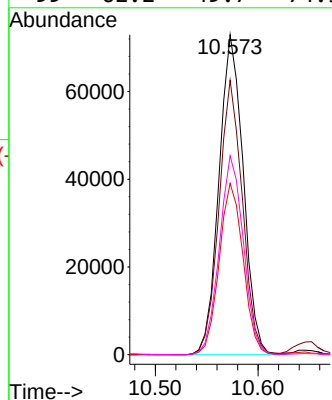
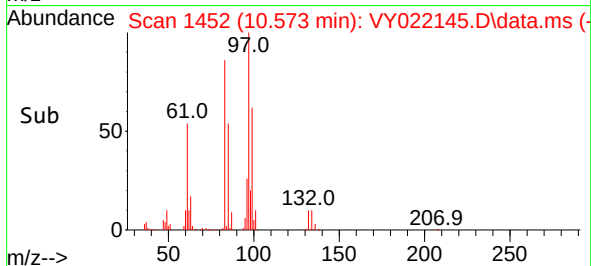
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 11951
Ion Ratio Lower Upper
97 100
83 85.8 66.7 100.1
85 53.6 42.6 64.0
99 62.2 49.7 74.5

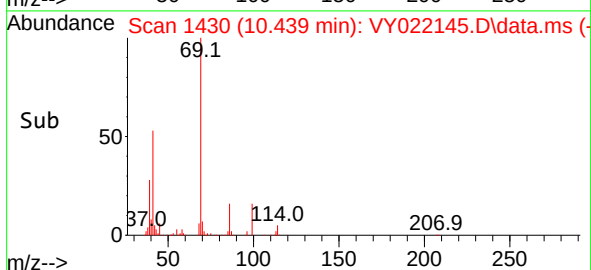
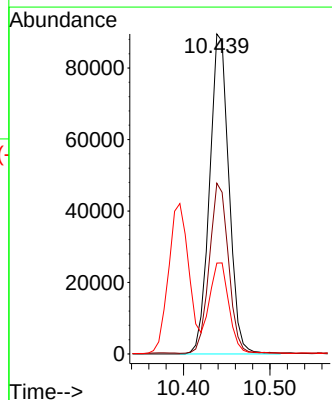
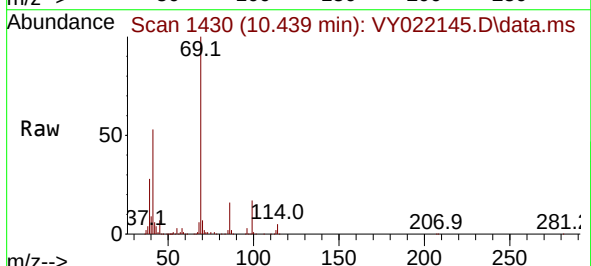
Manual Integrations
APPROVED

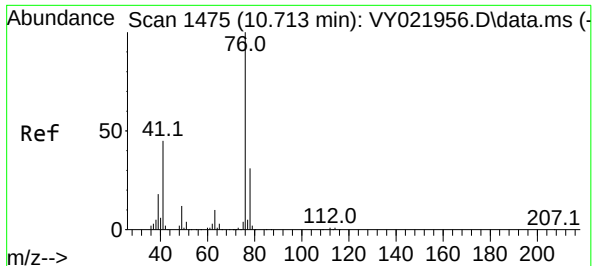
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#56
Ethyl methacrylate
Concen: 52.583 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 69 Resp: 138889
Ion Ratio Lower Upper
69 100
41 52.5 40.7 61.1
39 28.7 23.3 34.9





#57

1,3-Dichloropropane

Concen: 51.177 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 189498

Ion Ratio Lower Upper

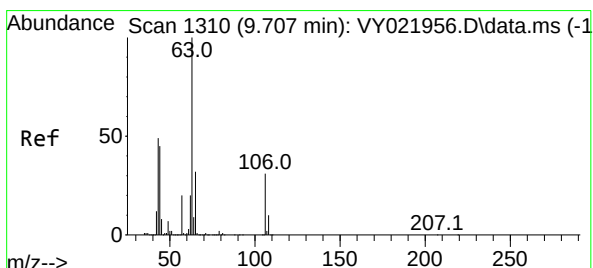
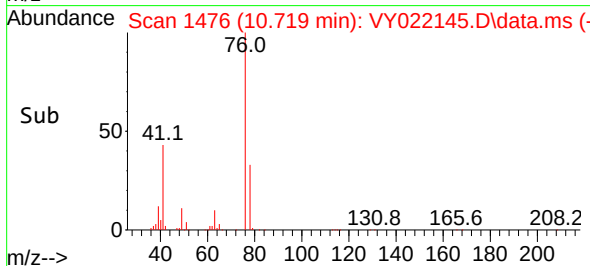
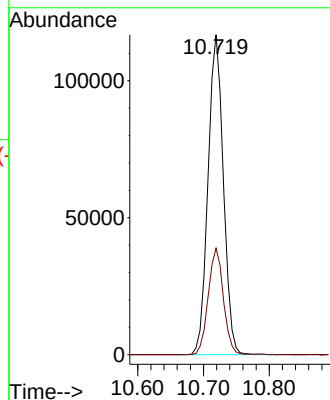
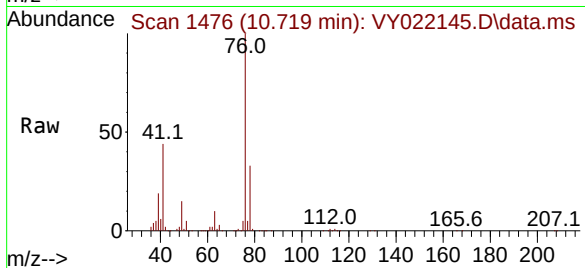
76 100

78 32.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 268.418 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY022145.D

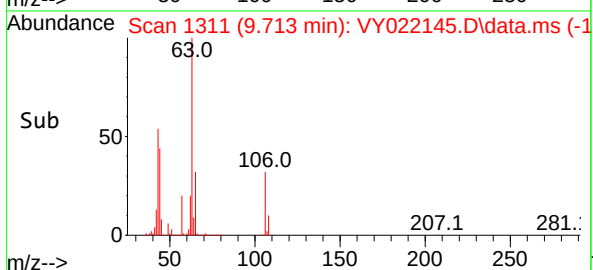
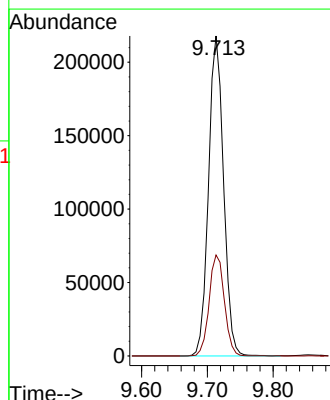
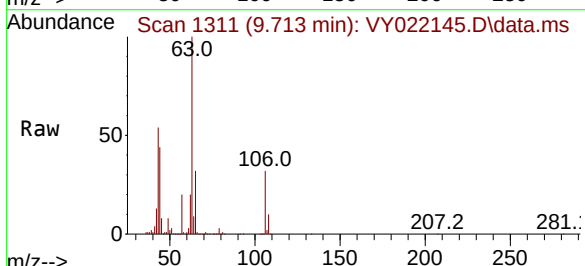
Acq: 05 May 2025 08:46

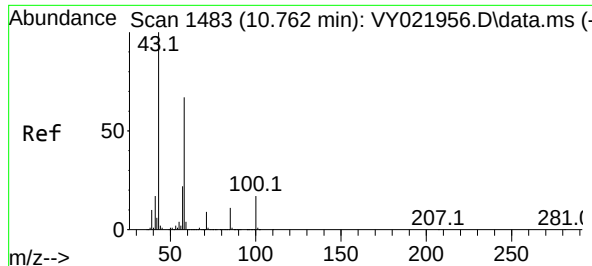
Tgt Ion: 63 Resp: 346642

Ion Ratio Lower Upper

63 100

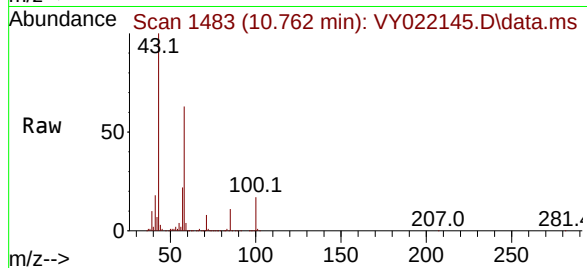
106 32.0 25.3 37.9





#59
2-Hexanone
Concen: 267.843 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

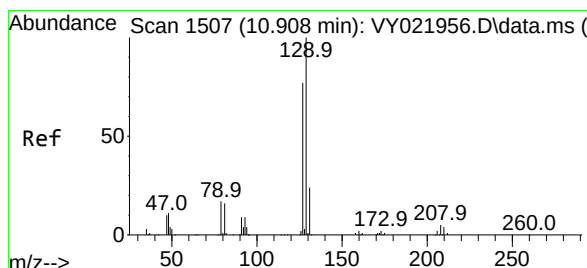
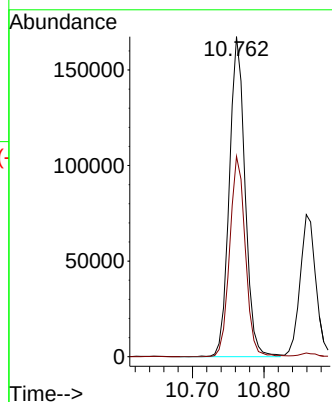
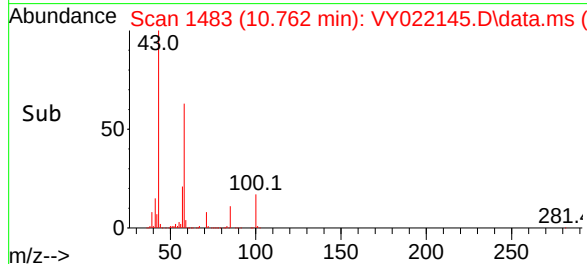
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 255230
Ion Ratio Lower Upper
43 100
58 62.3 32.0 96.0

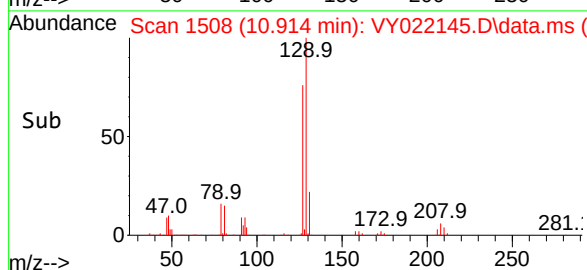
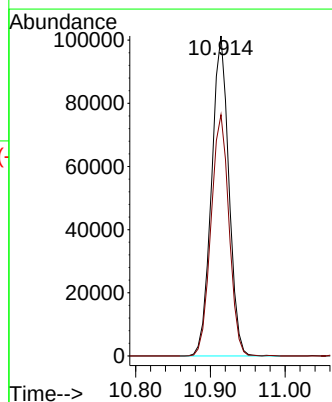
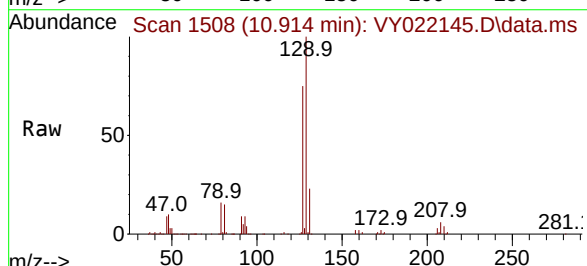
Manual Integrations
APPROVED

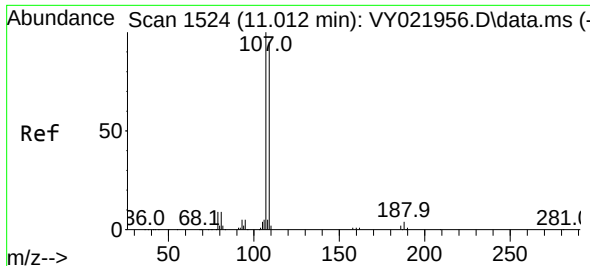
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#60
Dibromochloromethane
Concen: 51.138 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

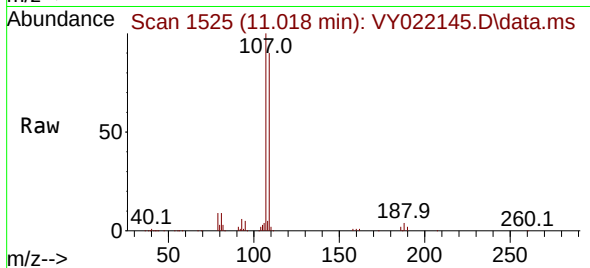
Tgt Ion:129 Resp: 163529
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61
1,2-Dibromoethane
Concen: 51.775 ug/l
RT: 11.018 min Scan# 11289
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

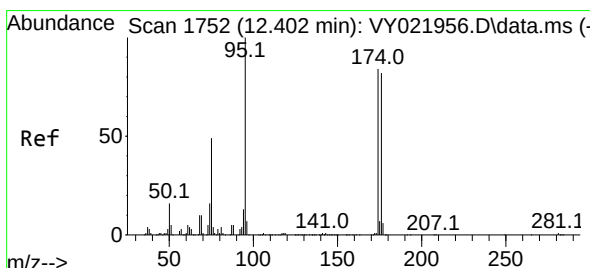
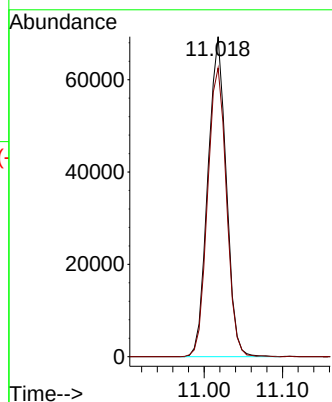
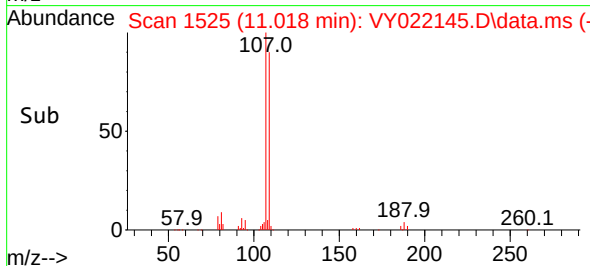
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



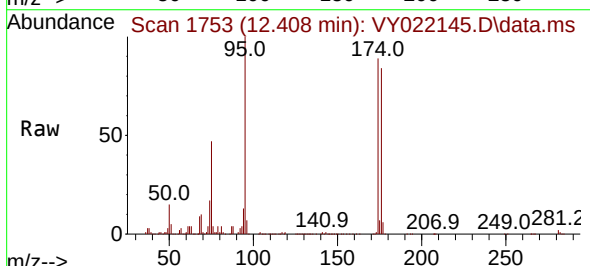
Tgt Ion: 107 Resp: 11289
Ion Ratio Lower Upper
107 100
109 92.5 75.8 113.8

Manual Integrations
APPROVED

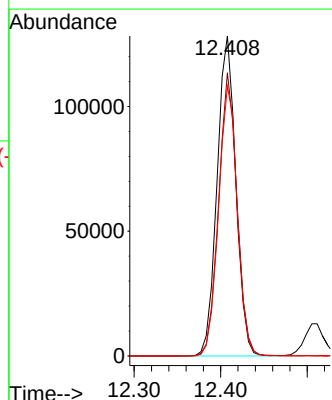
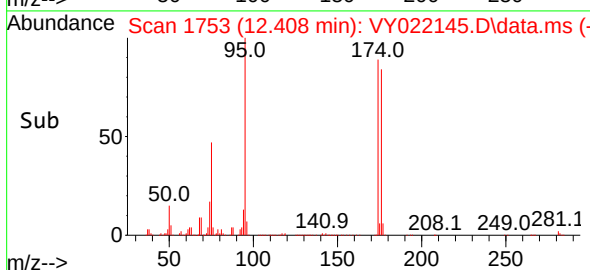
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

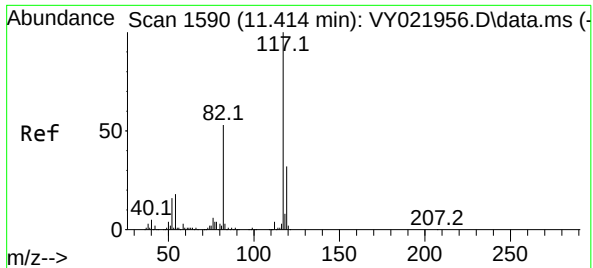


#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



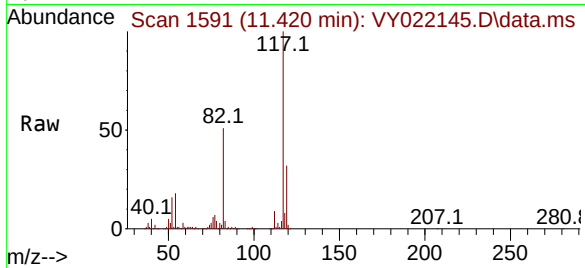
Tgt Ion: 95 Resp: 192281
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 84.7 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

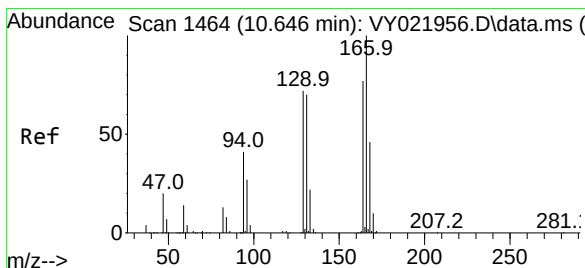
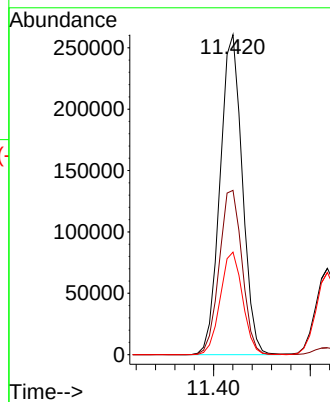
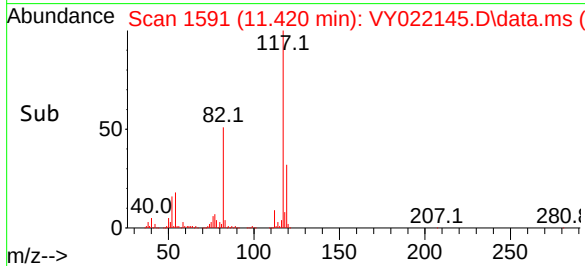
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 41560
Ion Ratio Lower Upper
117 100
82 51.4 42.1 63.1
119 32.1 25.7 38.5

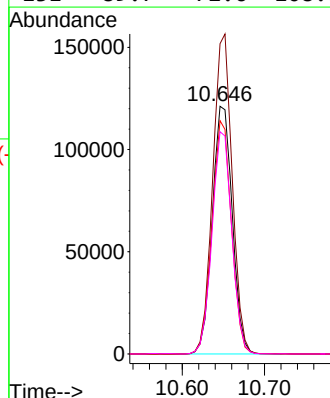
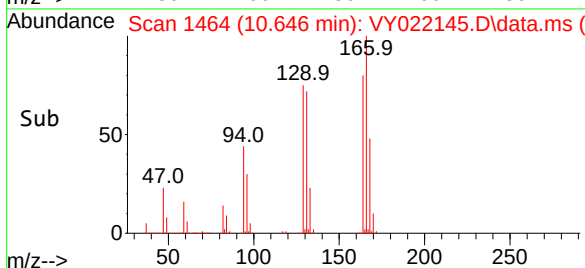
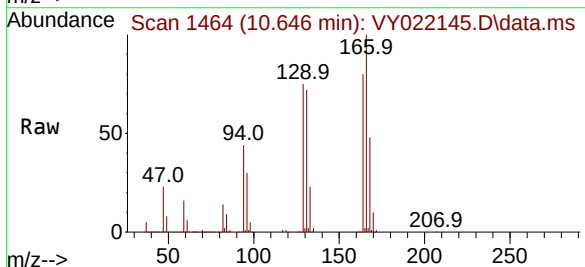
Manual Integrations
APPROVED

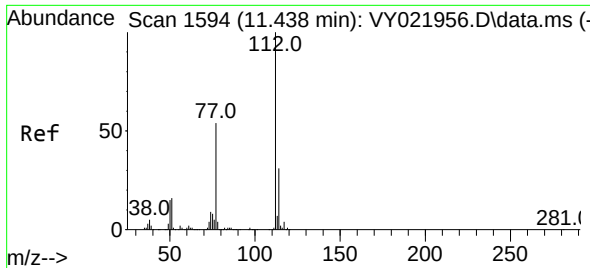
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#64
Tetrachloroethene
Concen: 52.270 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

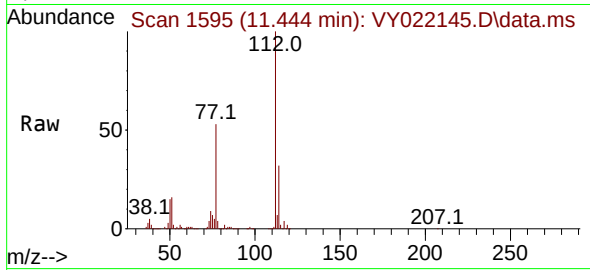
Tgt Ion:164 Resp: 204932
Ion Ratio Lower Upper
164 100
166 125.3 103.6 155.4
129 94.2 74.2 111.4
131 89.7 72.6 108.8





#65
Chlorobenzene
Concen: 50.610 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

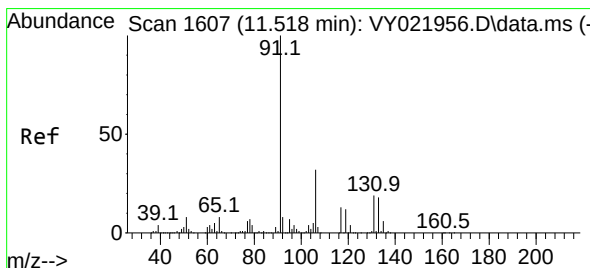
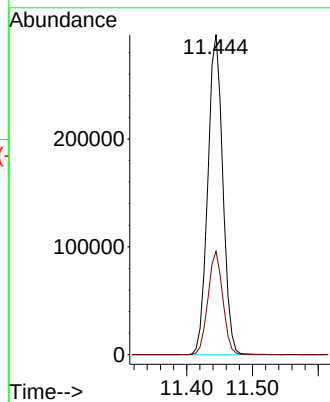
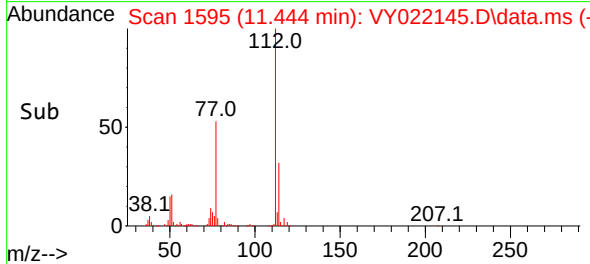
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



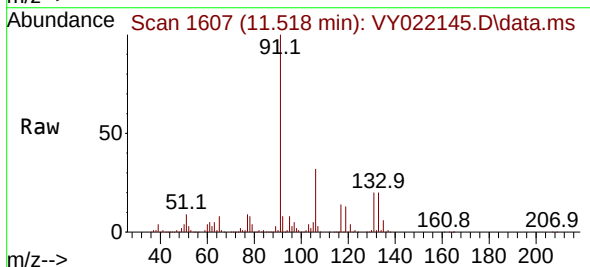
Tgt Ion:112 Resp: 470360
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

Manual Integrations
APPROVED

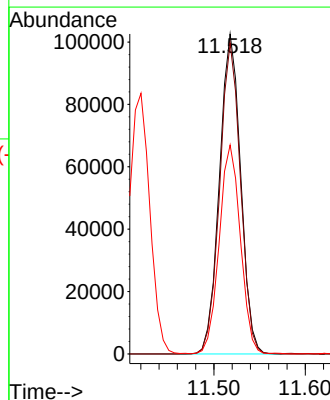
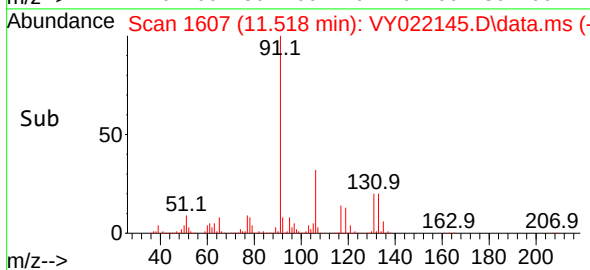
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

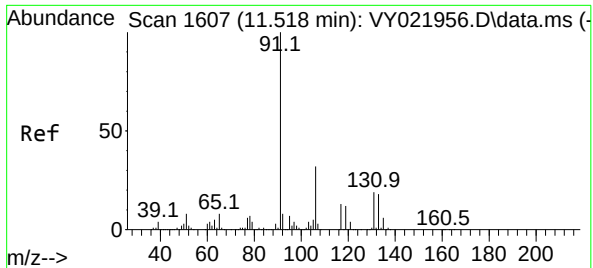


#66
1,1,1,2-Tetrachloroethane
Concen: 50.569 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



Tgt Ion:131 Resp: 165462
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 64.8 32.4 97.0





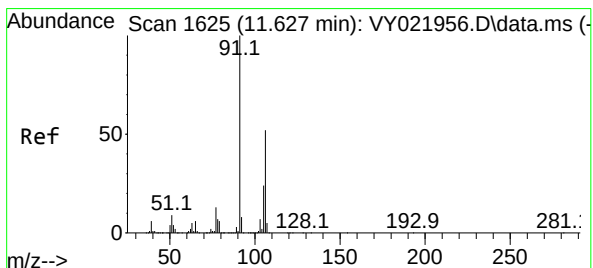
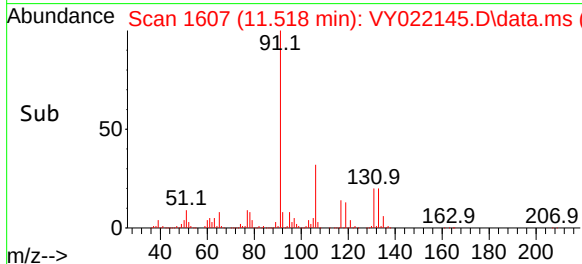
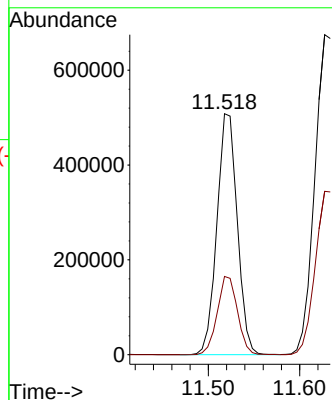
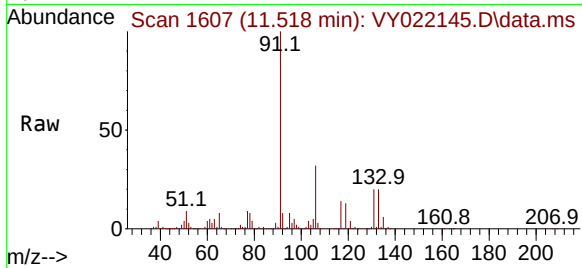
#67
Ethyl Benzene
Concen: 51.872 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 78863
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9

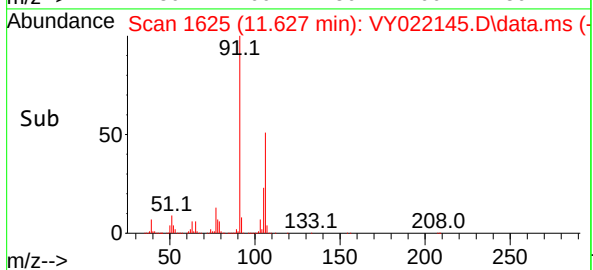
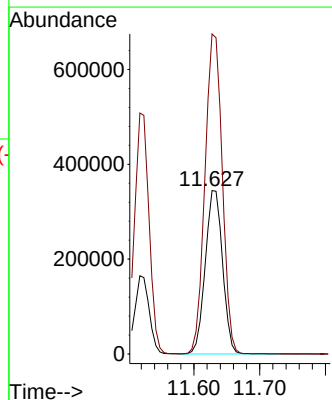
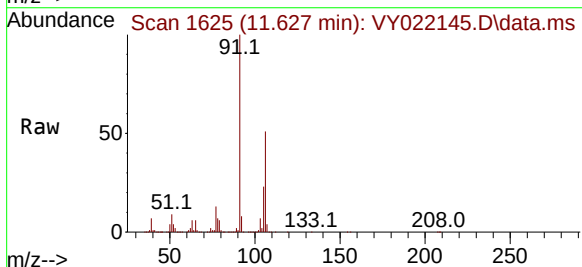
Manual Integrations
APPROVED

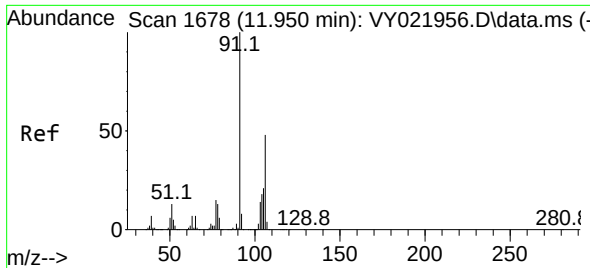
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#68
m/p-Xylenes
Concen: 104.029 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

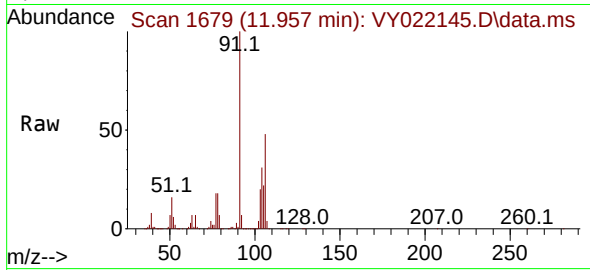
Tgt Ion:106 Resp: 629353
Ion Ratio Lower Upper
106 100
91 196.7 156.2 234.2





#69
o-Xylene
Concen: 52.398 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

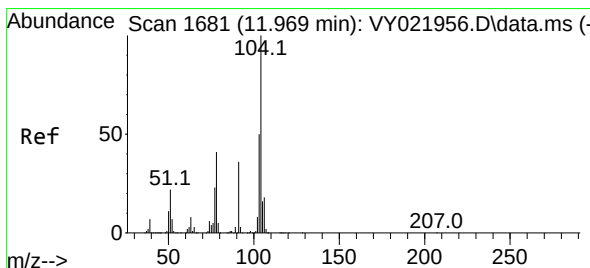
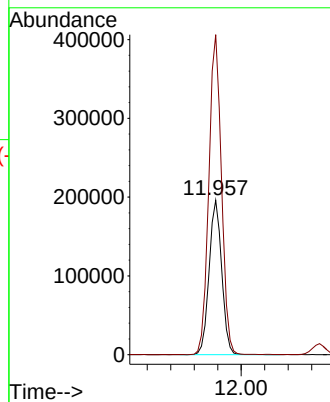
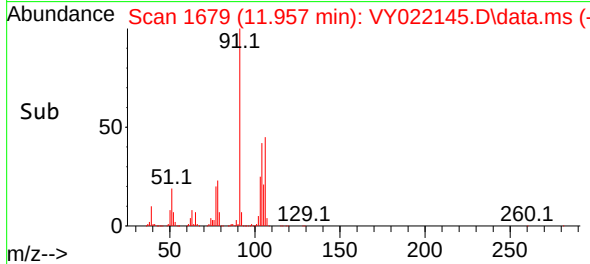
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 292170
Ion Ratio Lower Upper
106 100
91 207.6 103.0 308.9

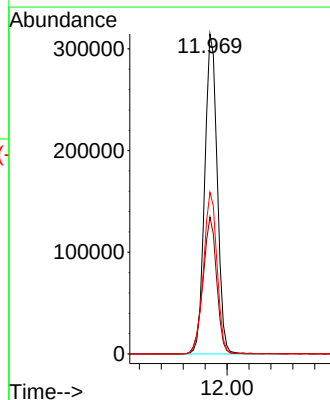
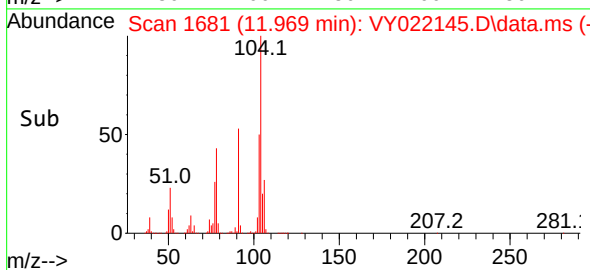
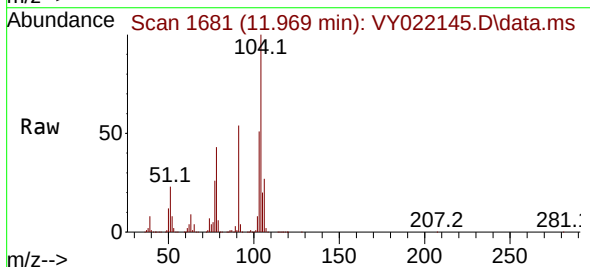
Manual Integrations
APPROVED

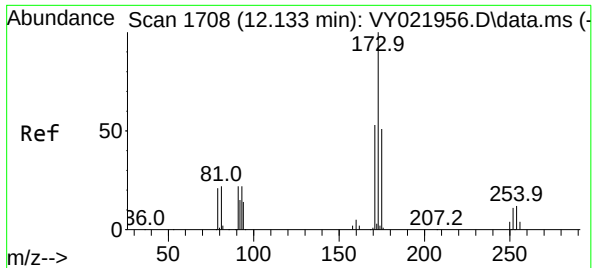
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#70
Styrene
Concen: 53.321 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

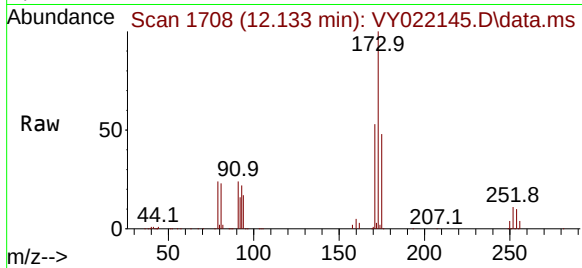
Tgt Ion:104 Resp: 499203
Ion Ratio Lower Upper
104 100
78 46.4 36.6 54.8
103 54.6 43.8 65.8





#71
Bromoform
Concen: 49.915 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

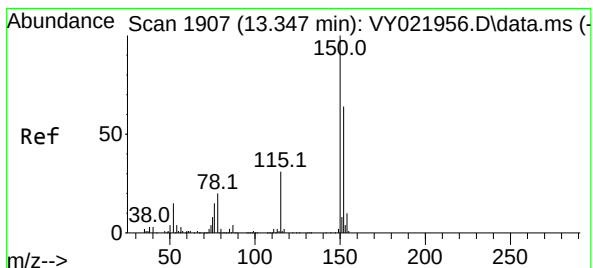
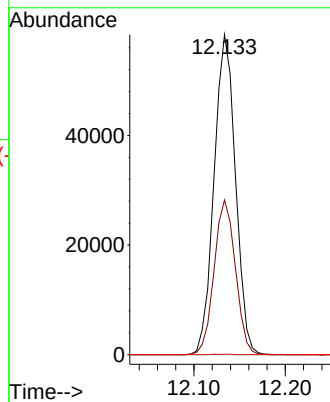
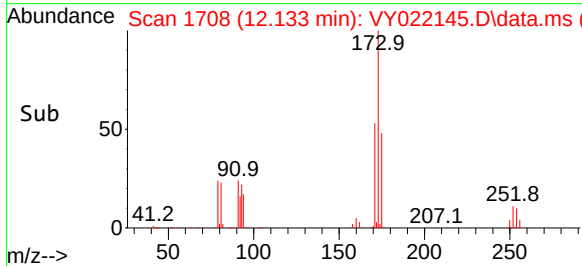
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 94954
Ion Ratio Lower Upper
173 100
175 48.1 24.3 72.8
254 0.1 0.0 0.0

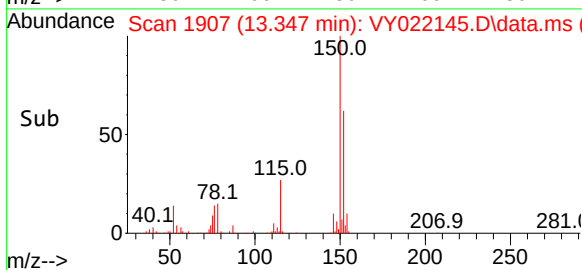
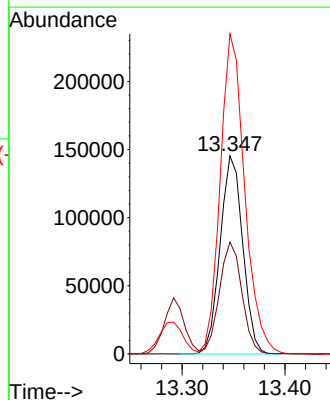
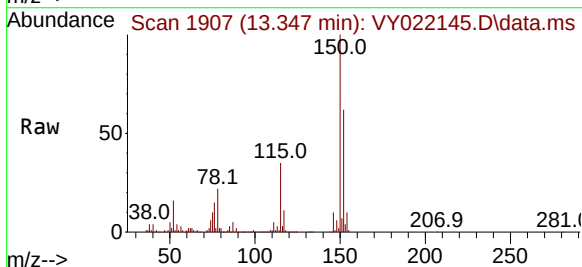
Manual Integrations
APPROVED

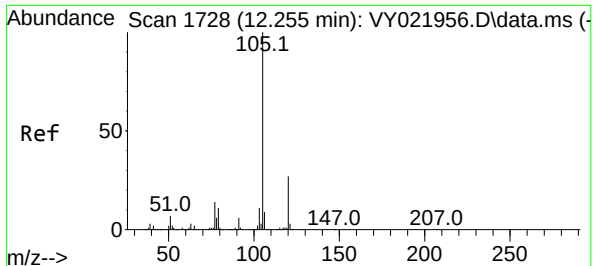
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:152 Resp: 221579
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 174.9 0.0 345.6





#73

Isopropylbenzene

Concen: 52.254 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 77355

Ion Ratio Lower Upper

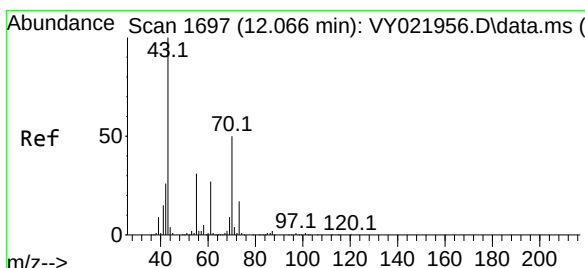
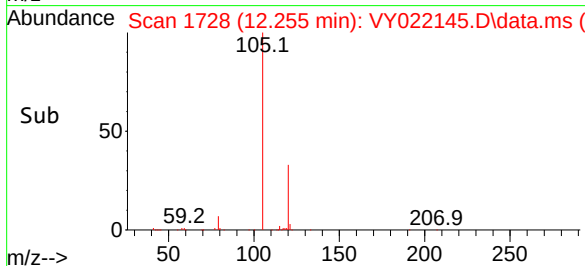
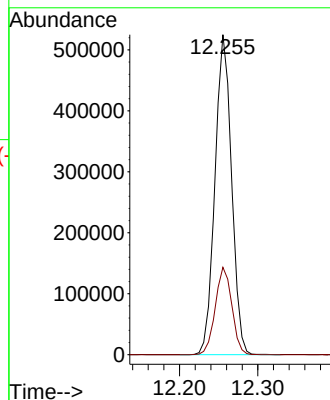
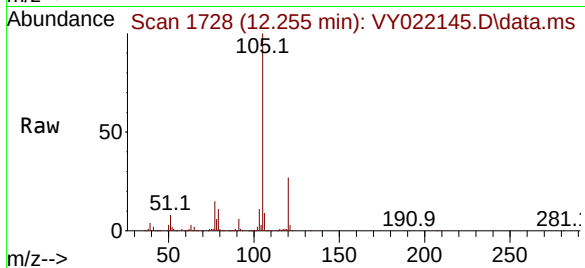
105 100

120 27.2 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#74

N-ethyl acetate

Concen: 49.288 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 125362

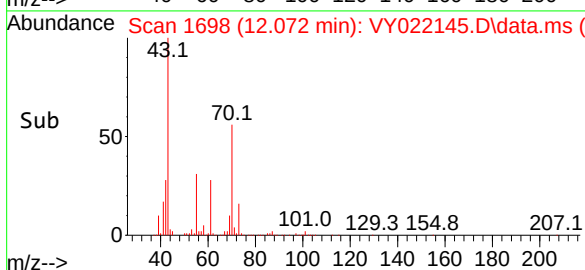
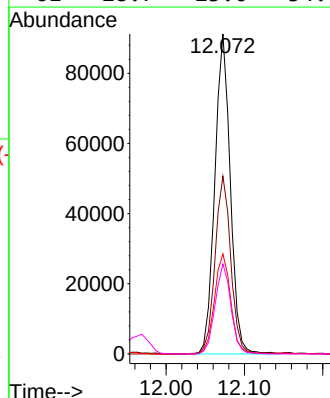
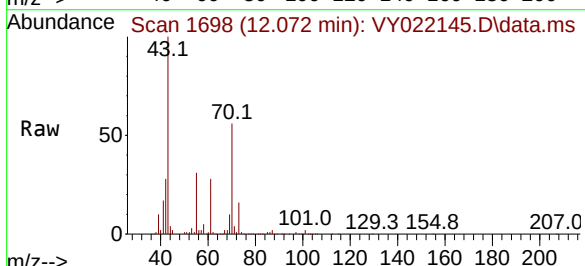
Ion Ratio Lower Upper

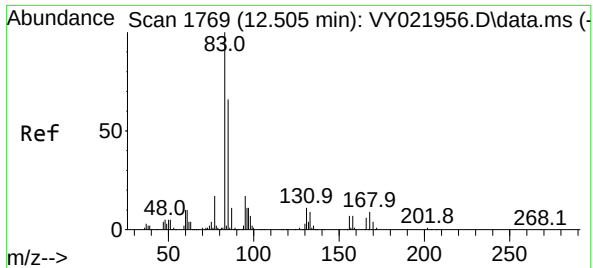
43 100

70 56.5 43.2 64.8

55 32.9 25.7 38.5

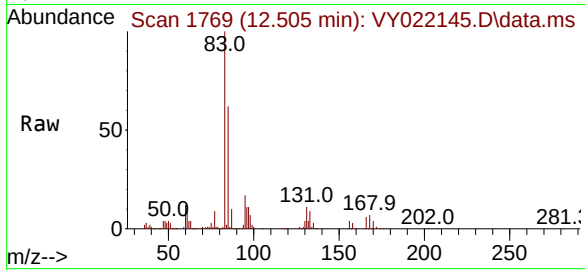
61 28.7 23.0 34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 48.871 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

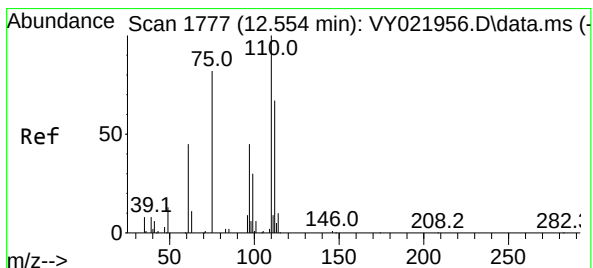
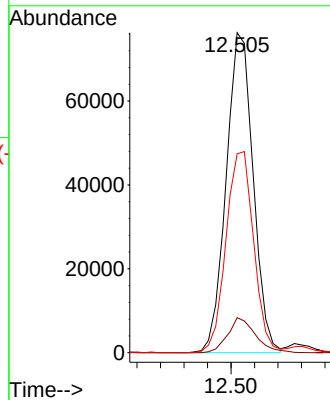
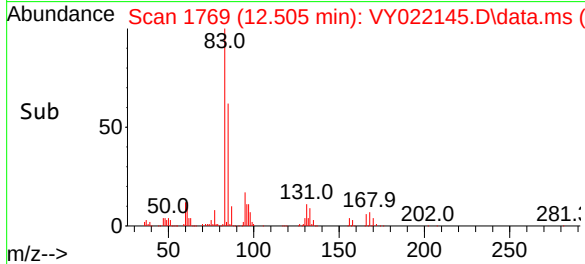
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



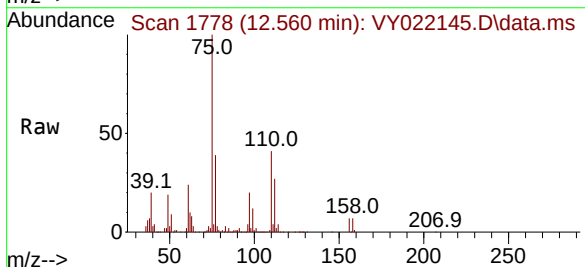
Tgt Ion: 83 Resp: 121970
Ion Ratio Lower Upper
83 100
131 11.2 5.5 16.4
85 64.3 32.3 96.8

Manual Integrations
APPROVED

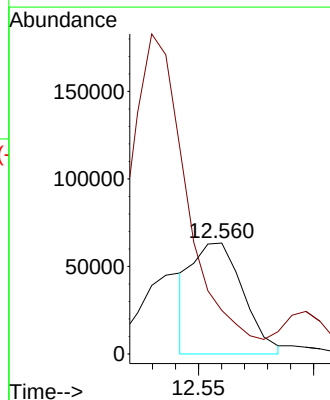
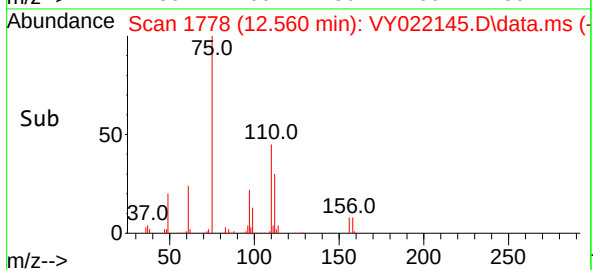
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

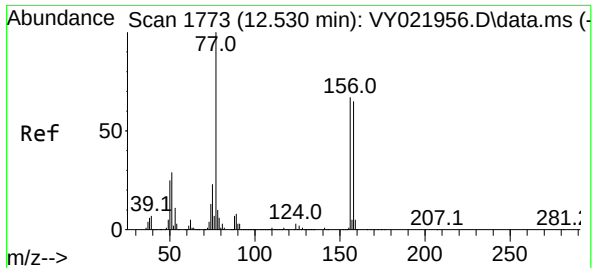


#76
1,2,3-Trichloropropane
Concen: 51.057 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



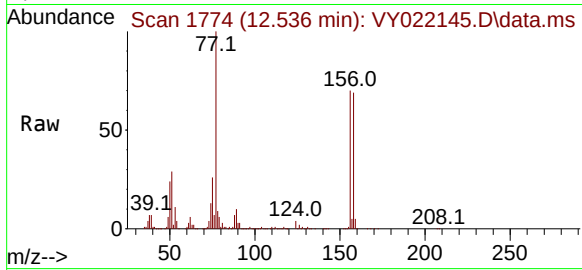
Tgt Ion: 75 Resp: 96902
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.057 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

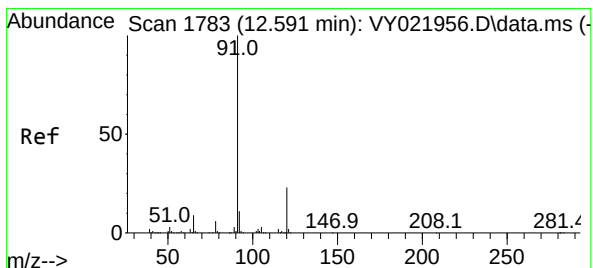
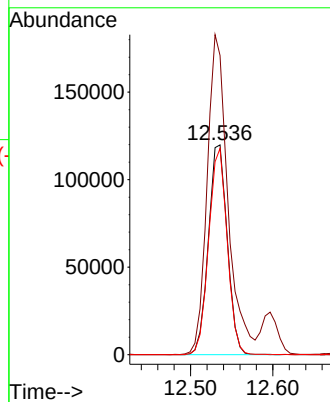
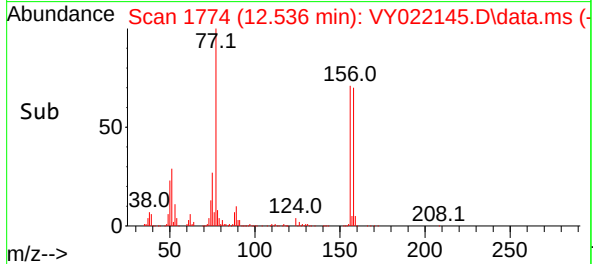
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 190990
Ion Ratio Lower Upper
156 100
77 167.9 82.7 248.1
158 96.5 48.1 144.4

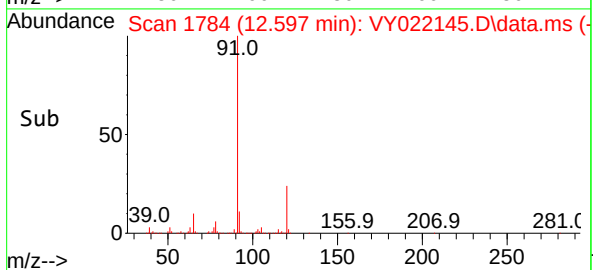
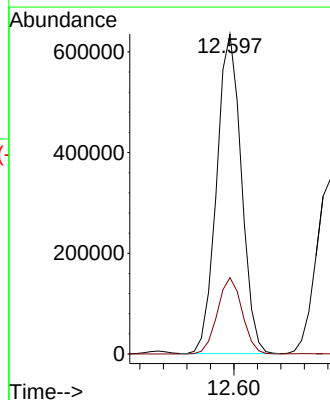
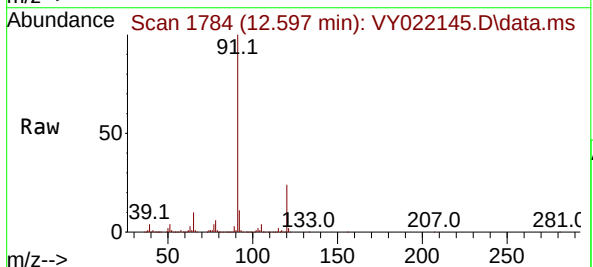
Manual Integrations
APPROVED

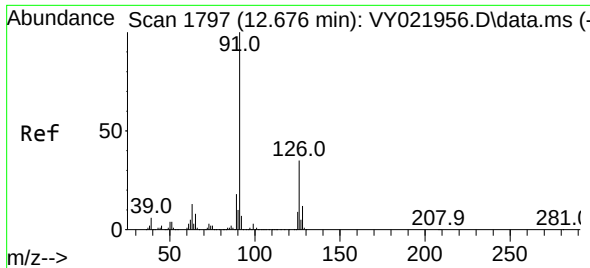
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#78
n-propylbenzene
Concen: 52.656 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

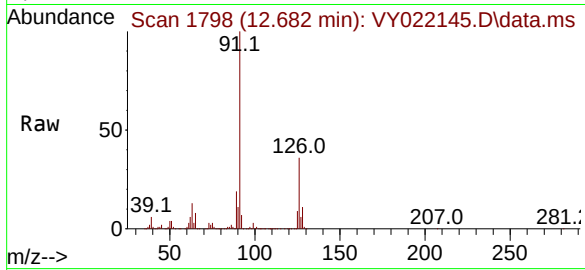
Tgt Ion: 91 Resp: 928299
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#79
2-Chlorotoluene
Concen: 51.489 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

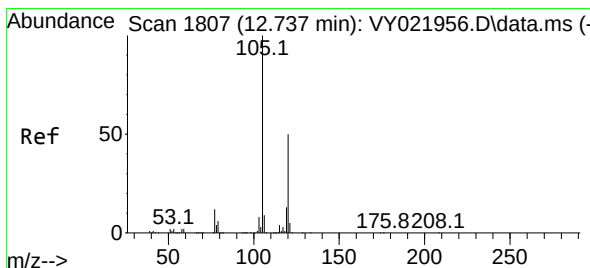
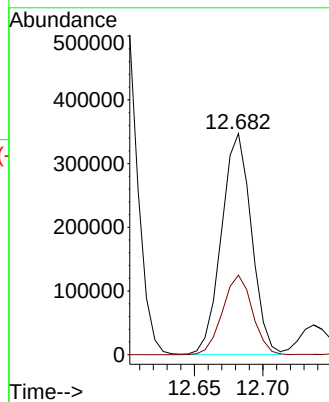
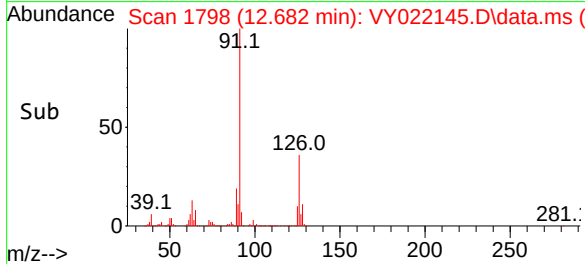
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 527905
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8

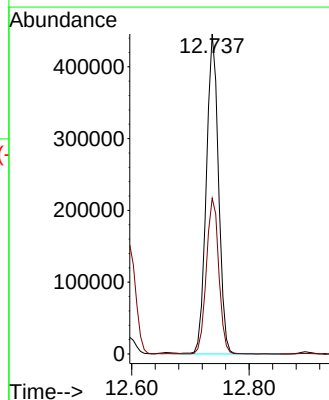
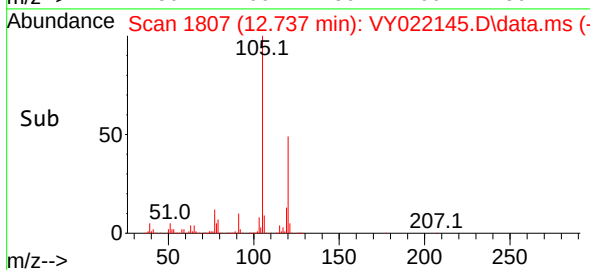
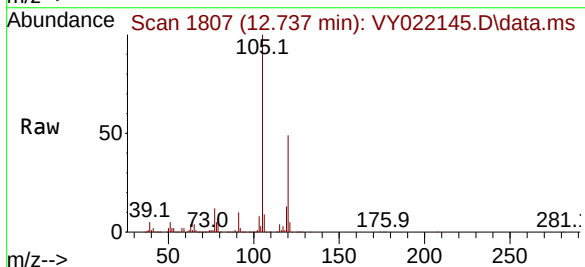
Manual Integrations
APPROVED

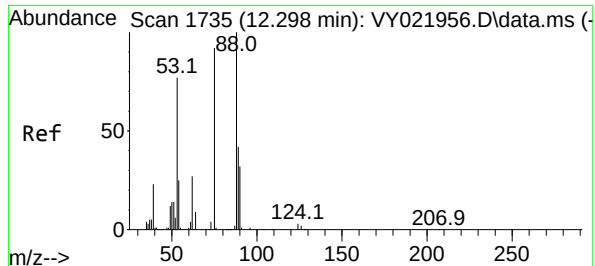
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 52.733 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

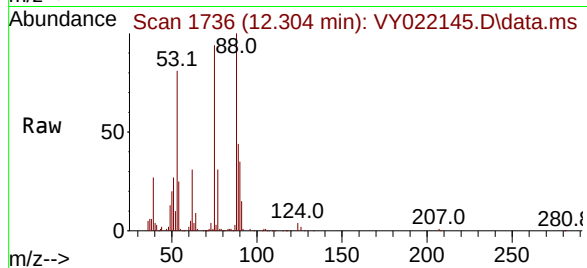
Tgt Ion:105 Resp: 643214
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.520 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

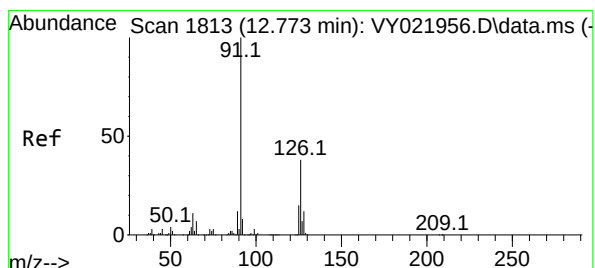
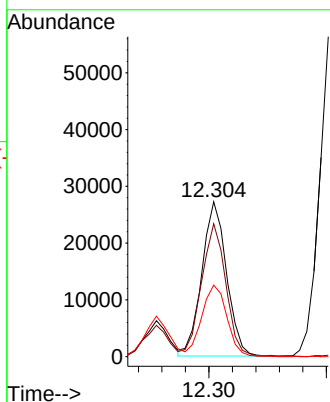
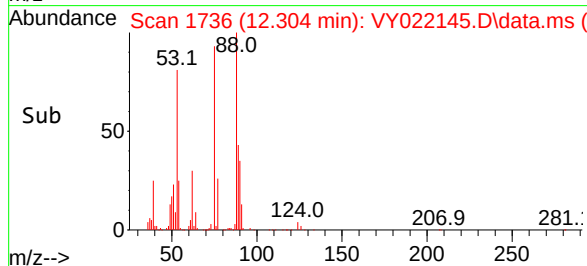
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 39810
Ion Ratio Lower Upper
75 100
53 84.0 66.0 99.0
89 47.1 37.2 55.8

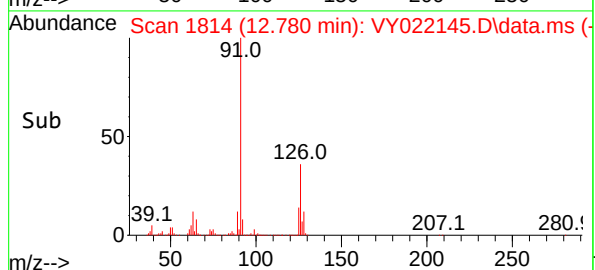
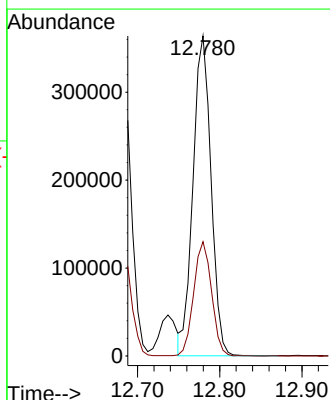
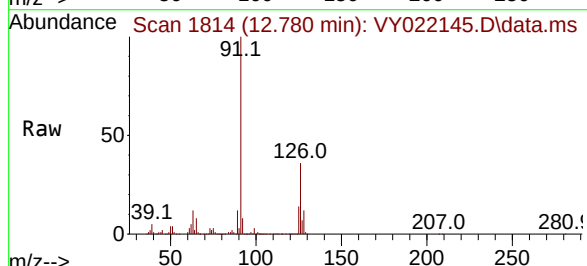
Manual Integrations
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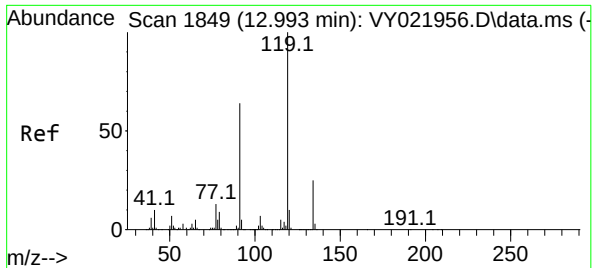
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#82
4-Chlorotoluene
Concen: 51.909 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

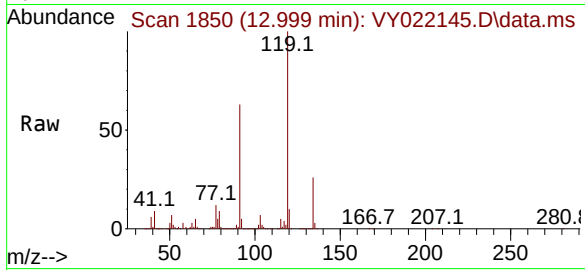
Tgt Ion: 91 Resp: 553248
Ion Ratio Lower Upper
91 100
126 35.6 17.9 53.8





#83
tert-Butylbenzene
Concen: 52.224 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

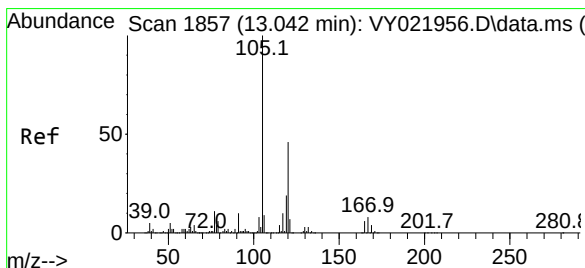
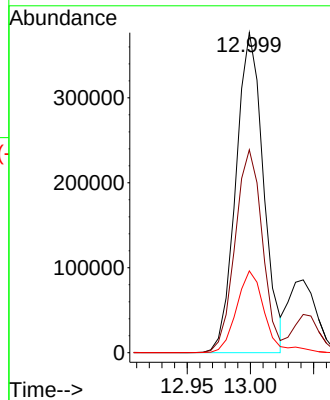
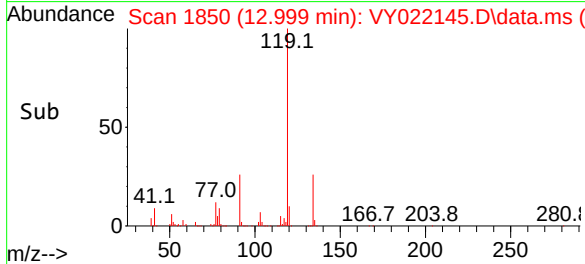
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 571290
Ion Ratio Lower Upper
119 100
91 62.8 30.3 90.9
134 26.2 12.9 38.7

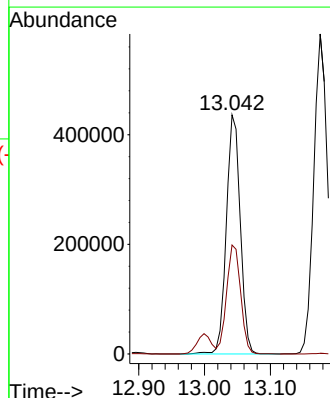
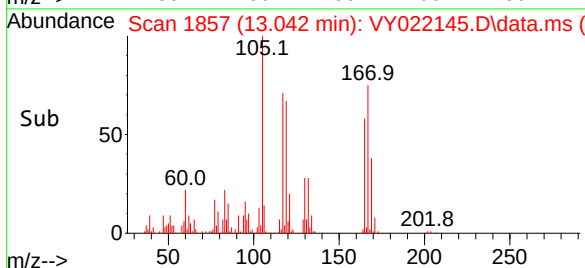
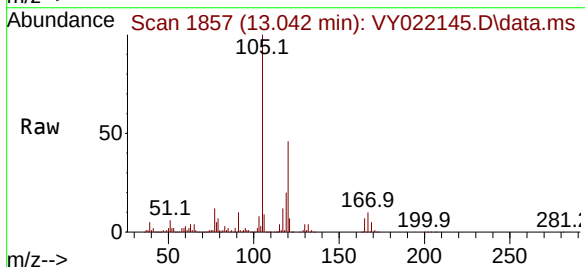
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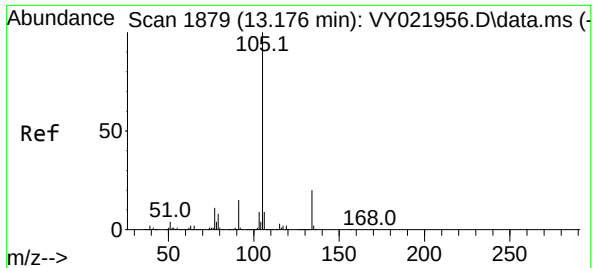
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.705 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

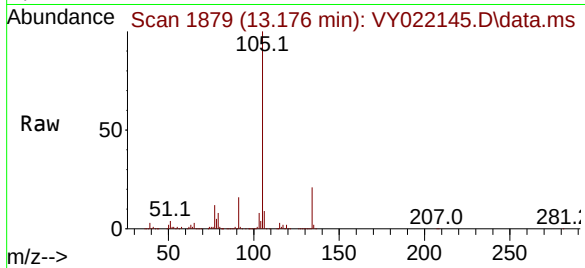
Tgt Ion:105 Resp: 643015
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.0





#85
 sec-Butylbenzene
 Concen: 52.666 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46

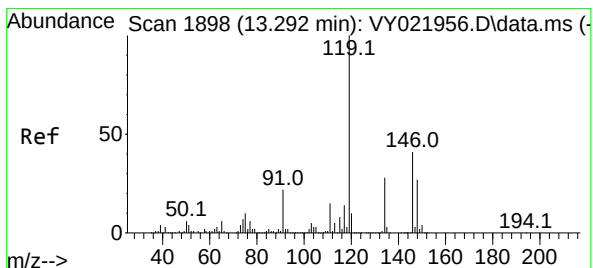
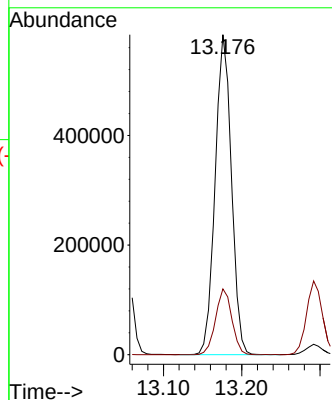
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 84305
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9

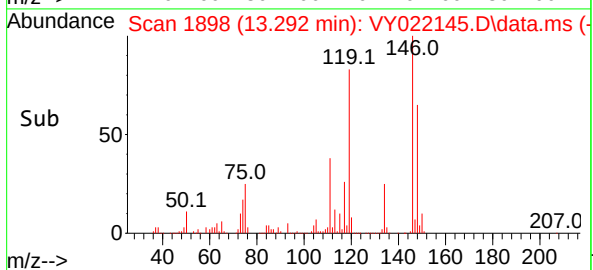
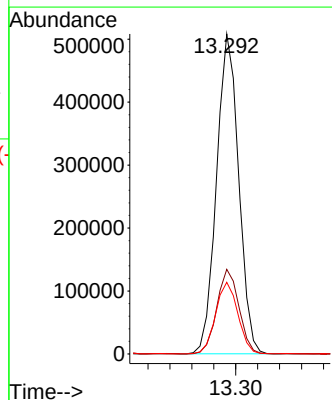
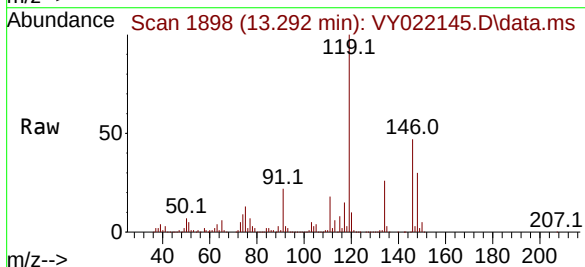
Manual Integrations
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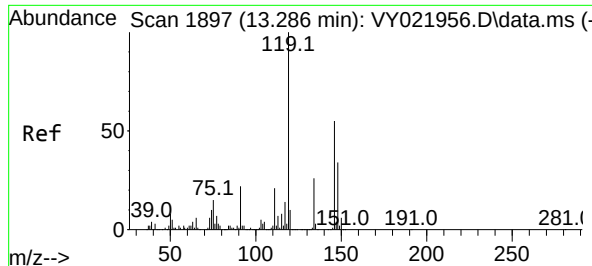
Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#86
 p-Isopropyltoluene
 Concen: 52.460 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022145.D
 Acq: 05 May 2025 08:46

Tgt Ion:119 Resp: 713078
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.6 40.7
 91 22.4 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 49.477 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022145.D

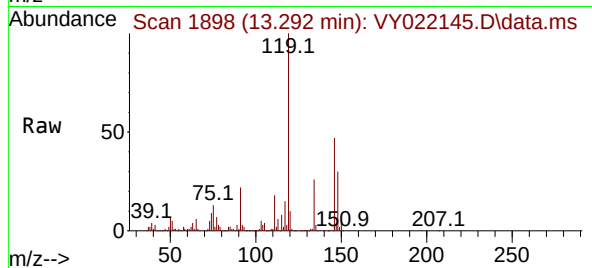
Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:146 Resp: 375900

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.5

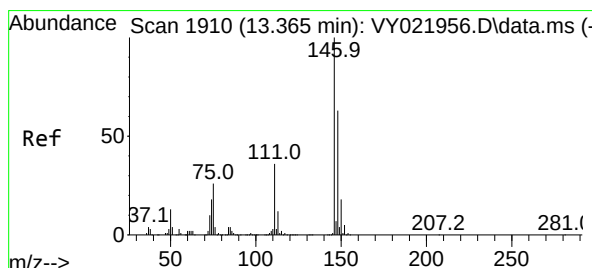
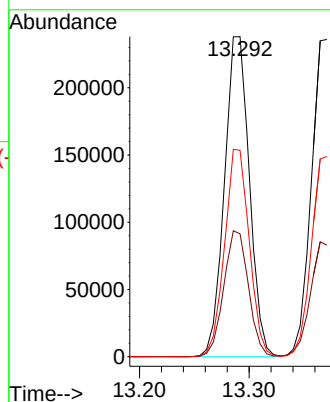
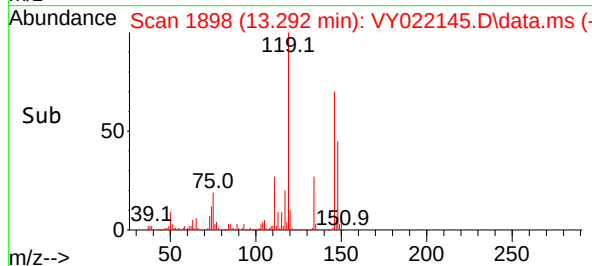
148 64.1 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#88

1,4-Dichlorobenzene

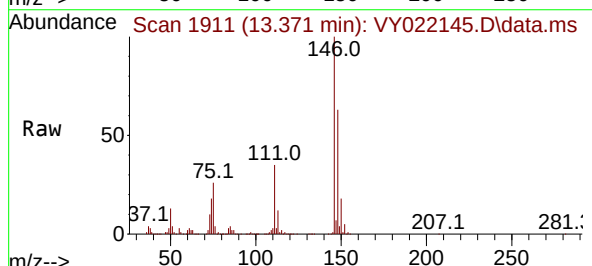
Concen: 49.489 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46



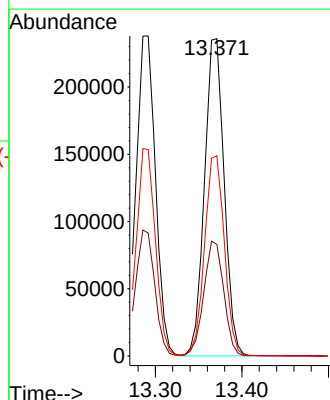
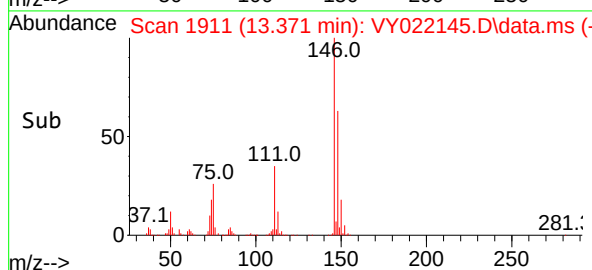
Tgt Ion:146 Resp: 372381

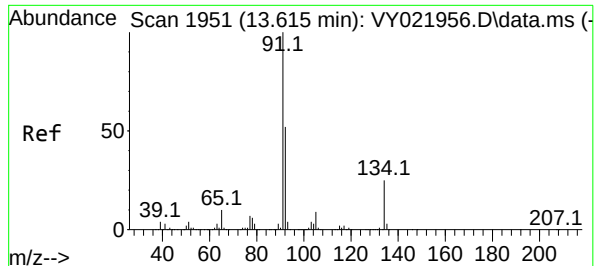
Ion Ratio Lower Upper

146 100

111 36.8 19.2 57.6

148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 52.205 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 63427

Ion Ratio Lower Upper

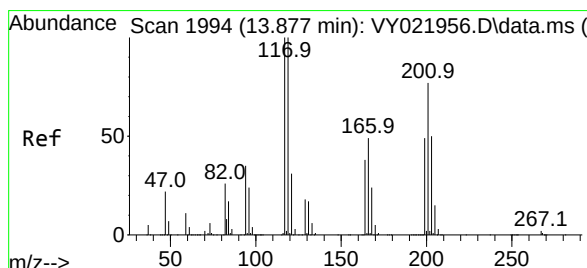
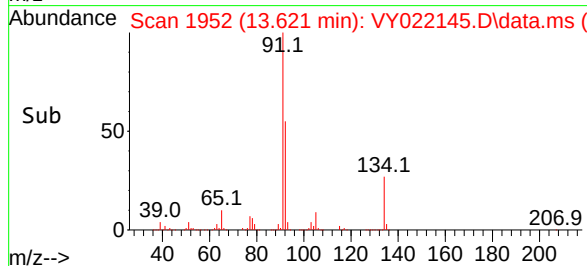
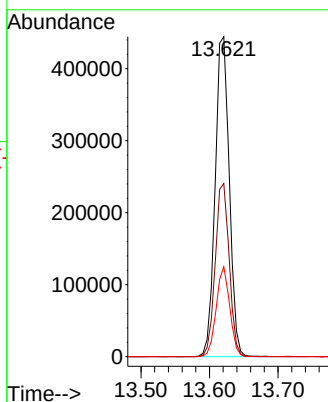
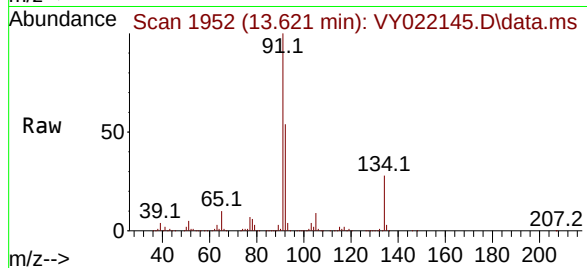
91 100

92 53.6 26.5 79.5

134 26.9 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#90

Hexachloroethane

Concen: 50.010 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022145.D

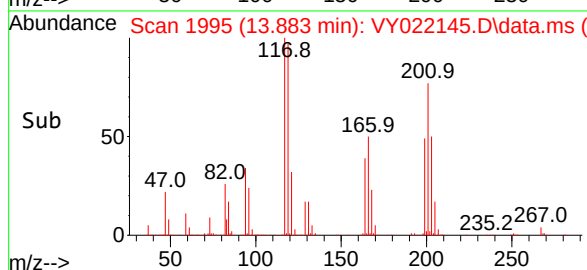
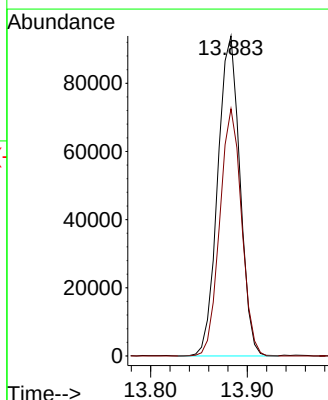
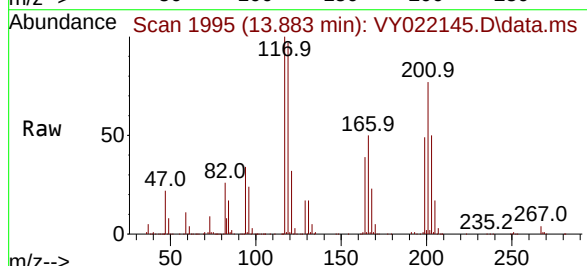
Acq: 05 May 2025 08:46

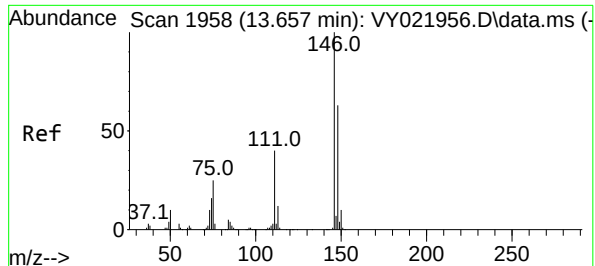
Tgt Ion:117 Resp: 149353

Ion Ratio Lower Upper

117 100

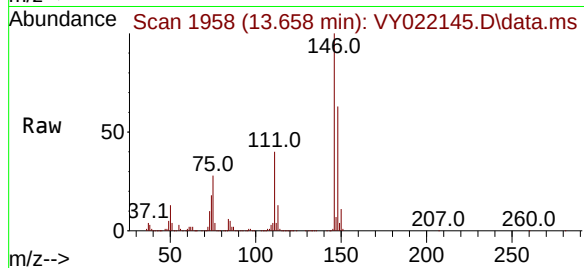
201 75.8 38.7 116.1





#91
1,2-Dichlorobenzene
Concen: 50.315 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

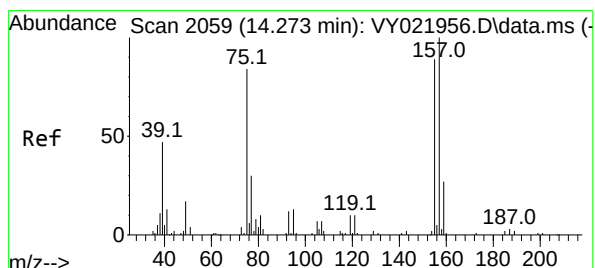
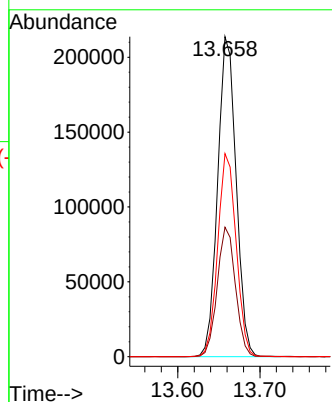
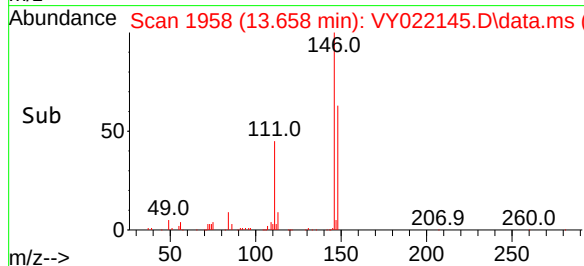
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



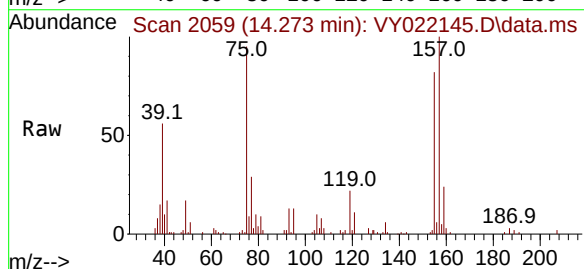
Tgt Ion:146 Resp: 333414
Ion Ratio Lower Upper
146 100
111 40.0 19.7 59.1
148 63.4 32.1 96.3

Manual Integrations
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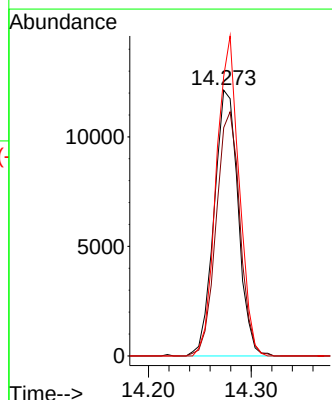
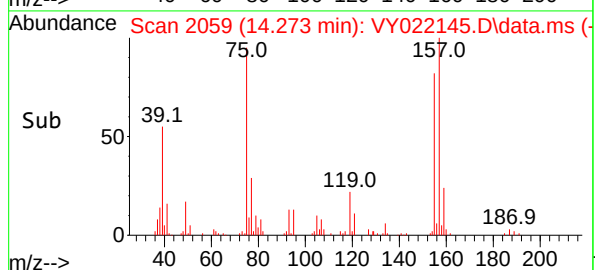
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

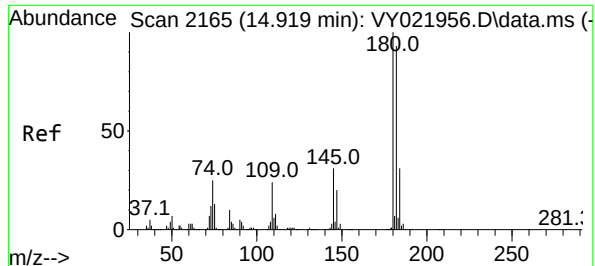


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.642 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46



Tgt Ion: 75 Resp: 19712
Ion Ratio Lower Upper
75 100
155 90.6 50.7 152.3
157 113.2 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 50.241 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022145.D

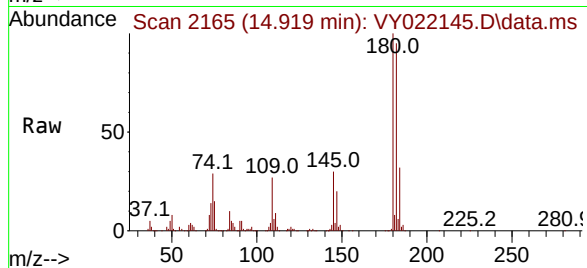
Acq: 05 May 2025 08:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:180 Resp: 18865

Ion Ratio Lower Upper

180 100

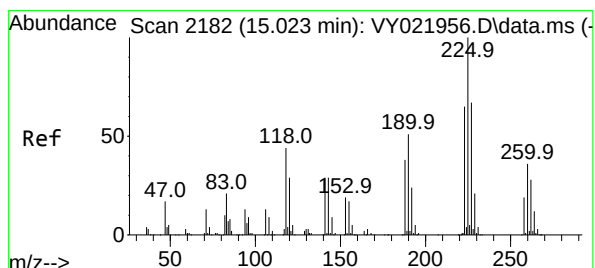
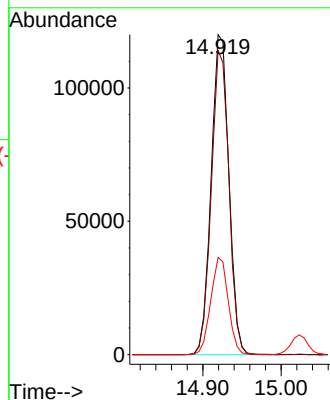
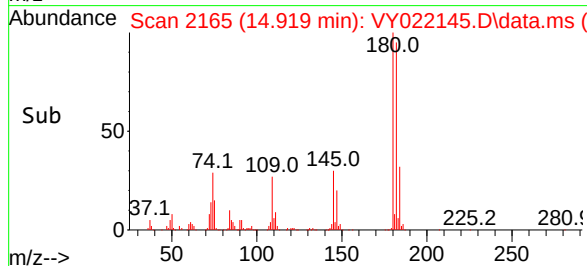
182 94.3 47.1 141.4

145 30.0 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#94

Hexachlorobutadiene

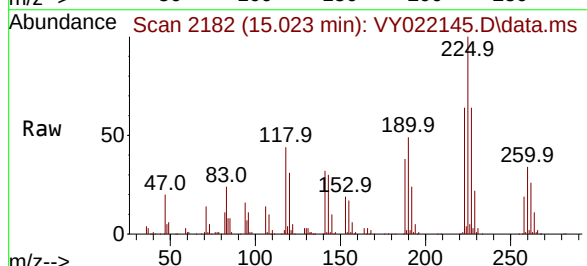
Concen: 49.910 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022145.D

Acq: 05 May 2025 08:46



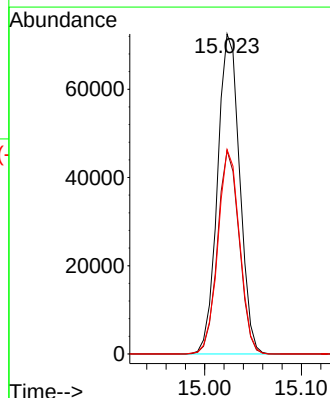
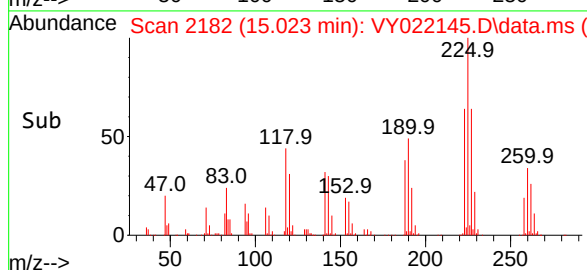
Tgt Ion:225 Resp: 115309

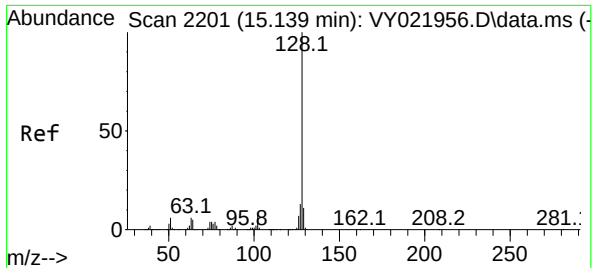
Ion Ratio Lower Upper

225 100

223 62.2 31.9 95.5

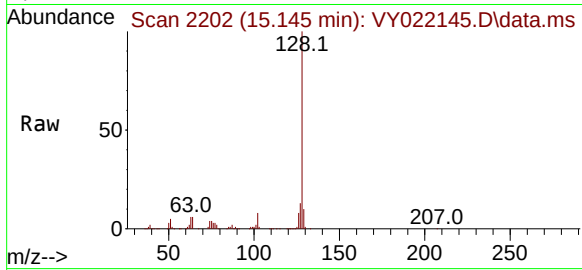
227 62.5 32.3 96.9





#95
Naphthalene
Concen: 51.336 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

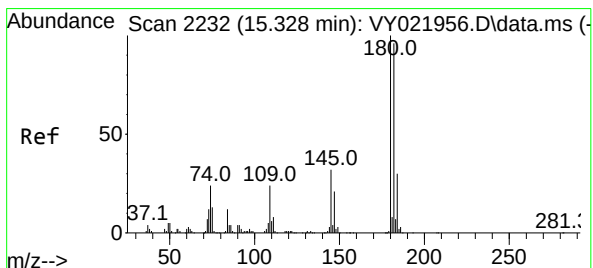
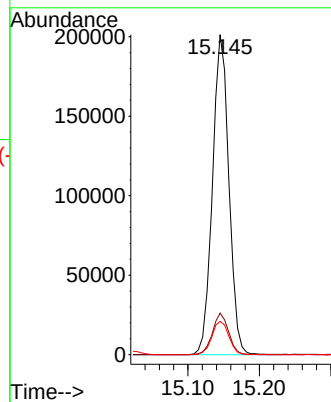
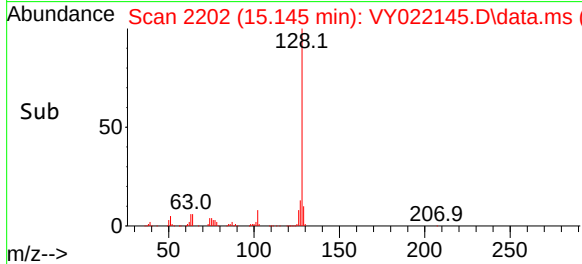
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 32022
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.9 13.3

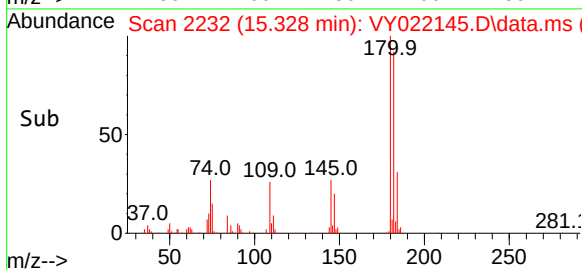
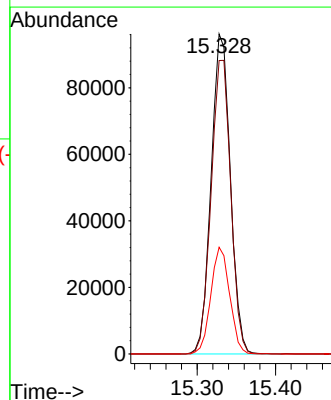
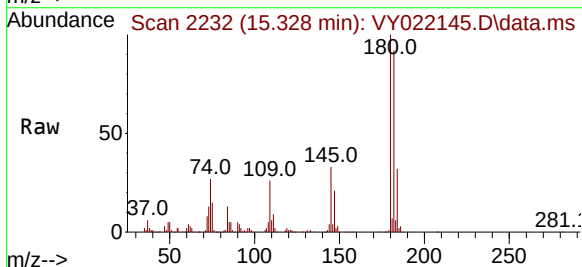
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.599 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:180 Resp: 164013
Ion Ratio Lower Upper
180 100
182 93.8 48.1 144.4
145 32.6 16.0 48.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	94	0.00
2 T	Dichlorodifluoromethane	0.426	0.374	12.2	89	0.00
3 P	Chloromethane	0.607	0.536	11.7	83	0.00
4 C	Vinyl Chloride	0.745	0.684	8.2#	88	0.00
5 T	Bromomethane	0.642	0.532	17.1	84	0.00
6 T	Chloroethane	0.508	0.446	12.2	85	0.00
7 T	Trichlorofluoromethane	0.983	0.903	8.1	88	0.00
8 T	Diethyl Ether	0.256	0.235	8.2	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.533	0.505	5.3	97	0.00
10 T	Methyl Iodide	0.617	0.597	3.2	89	0.00
11 T	Tert butyl alcohol	0.025	0.023	8.0	84	0.00
12 CM	1,1-Dichloroethene	0.497	0.473	4.8#	94	0.00
13 T	Acrolein	0.046	0.023	50.0#	50	0.00
14 T	Allyl chloride	0.579	0.551	4.8	93	0.00
15 T	Acrylonitrile	0.094	0.088	6.4	89	0.00
16 T	Acetone	0.070	0.062	11.4	92	0.00
17 T	Carbon Disulfide	1.585	1.404	11.4	88	0.01
18 T	Methyl Acetate	0.216	0.234	-8.3	98	0.00
19 T	Methyl tert-butyl Ether	1.113	1.109	0.4	92	0.00
20 T	Methylene Chloride	0.584	0.533	8.7	94	0.00
21 T	trans-1,2-Dichloroethene	0.557	0.529	5.0	93	0.01
22 T	Diisopropyl ether	1.288	1.283	0.4	93	0.00
23 T	Vinyl Acetate	0.694	0.680	2.0	89	0.00
24 P	1,1-Dichloroethane	0.893	0.855	4.3	94	0.00
25 T	2-Butanone	0.105	0.100	4.8	89	0.00
26 T	2,2-Dichloropropane	0.782	0.789	-0.9	100	0.00
27 T	cis-1,2-Dichloroethene	0.622	0.610	1.9	93	0.00
28 T	Bromochloromethane	0.347	0.331	4.6	90	0.00
29 T	Tetrahydrofuran	0.068	0.067	1.5	87	0.00
30 C	Chloroform	0.990	0.967	2.3#	95	0.00
31 T	Cyclohexane	0.763	0.717	6.0	95	0.00
32 T	1,1,1-Trichloroethane	0.896	0.869	3.0	96	0.00
33 S	1,2-Dichloroethane-d4	0.462	0.441	4.5	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.330	0.325	1.5	89	0.00
36 T	1,1-Dichloropropene	0.444	0.447	-0.7	95	0.00
37 T	Ethyl Acetate	0.159	0.155	2.5	87	0.00
38 T	Carbon Tetrachloride	0.530	0.540	-1.9	96	0.00
39 T	Methylcyclohexane	0.558	0.572	-2.5	94	0.00
40 TM	Benzene	1.387	1.389	-0.1	94	0.00
41 T	Methacrylonitrile	0.087	0.097	-11.5	95	0.00
42 TM	1,2-Dichloroethane	0.343	0.354	-3.2	95	0.00
43 T	Isopropyl Acetate	0.306	0.305	0.3	88	0.00
44 TM	Trichloroethene	0.384	0.384	0.0	94	0.00
45 C	1,2-Dichloropropane	0.307	0.314	-2.3#	94	0.00
46 T	Dibromomethane	0.192	0.193	-0.5	93	0.00
47 T	Bromodichloromethane	0.480	0.492	-2.5	94	0.00
48 T	Methyl methacrylate	0.141	0.149	-5.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	91	0.00
50 S	Toluene-d8	1.245	1.243	0.2	88	0.00
51 T	4-Methyl-2-Pentanone	0.160	0.170	-6.3	89	0.00
52 CM	Toluene	0.898	0.933	-3.9#	94	0.00
53 T	t-1,3-Dichloropropene	0.411	0.427	-3.9	92	0.00
54 T	cis-1,3-Dichloropropene	0.489	0.505	-3.3	94	0.00
55 T	1,1,2-Trichloroethane	0.256	0.265	-3.5	93	0.00
56 T	Ethyl methacrylate	0.293	0.308	-5.1	88	0.00
57 T	1,3-Dichloropropane	0.411	0.421	-2.4	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.143	0.154	-7.7	86	0.00
59 T	2-Hexanone	0.106	0.113	-6.6	89	0.00
60 T	Dibromochloromethane	0.355	0.363	-2.3	93	0.00
61 T	1,2-Dibromoethane	0.242	0.251	-3.7	94	0.00
62 S	4-Bromofluorobenzene	0.419	0.427	-1.9	90	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64 T	Tetrachloroethene	0.472	0.493	-4.4	98	0.00
65 PM	Chlorobenzene	1.118	1.132	-1.3	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.398	-1.0	93	0.00
67 C	Ethyl Benzene	1.829	1.898	-3.8#	94	0.00
68 T	m/p-Xylenes	0.728	0.757	-4.0	93	0.00
69 T	o-Xylene	0.671	0.703	-4.8	93	0.00
70 T	Styrene	1.126	1.201	-6.7	93	0.00
71 P	Bromoform	0.229	0.228	0.4	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73 T	Isopropylbenzene	3.341	3.491	-4.5	95	0.00
74 T	N-amyl acetate	0.574	0.566	1.4	86	0.00
75 P	1,1,2,2-Tetrachloroethane	0.563	0.550	2.3	90	0.00
76 T	1,2,3-Trichloropropane	0.428	0.437	-2.1	97	0.00
77 T	Bromobenzene	0.844	0.862	-2.1	94	0.00
78 T	n-propylbenzene	3.978	4.189	-5.3	95	0.00
79 T	2-Chlorotoluene	2.314	2.382	-2.9	94	0.00
80 T	1,3,5-Trimethylbenzene	2.752	2.903	-5.5	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.180	-1.1	92	0.00
82 T	4-Chlorotoluene	2.405	2.497	-3.8	95	0.00
83 T	tert-Butylbenzene	2.468	2.578	-4.5	93	0.00
84 T	1,2,4-Trimethylbenzene	2.753	2.902	-5.4	94	0.00
85 T	sec-Butylbenzene	3.612	3.805	-5.3	95	0.00
86 T	p-Isopropyltoluene	3.067	3.218	-4.9	94	0.00
87 T	1,3-Dichlorobenzene	1.714	1.696	1.1	93	0.00
88 T	1,4-Dichlorobenzene	1.698	1.681	1.0	93	0.00
89 T	n-Butylbenzene	2.742	2.863	-4.4	94	0.00
90 T	Hexachloroethane	0.674	0.674	0.0	95	0.00
91 T	1,2-Dichlorobenzene	1.495	1.505	-0.7	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.090	0.089	1.1	95	0.00
93 T	1,2,4-Trichlorobenzene	0.847	0.851	-0.5	93	0.00
94 T	Hexachlorobutadiene	0.521	0.520	0.2	98	0.00
95 T	Naphthalene	1.408	1.445	-2.6	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.740	-1.2	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	94	0.00
2 T	Dichlorodifluoromethane	50.000	43.929	12.1	89	0.00
3 P	Chloromethane	50.000	44.193	11.6	83	0.00
4 C	Vinyl Chloride	50.000	45.901	8.2#	88	0.00
5 T	Bromomethane	50.000	41.387	17.2	84	0.00
6 T	Chloroethane	50.000	43.970	12.1	85	0.00
7 T	Trichlorofluoromethane	50.000	45.927	8.1	88	0.00
8 T	Diethyl Ether	50.000	45.905	8.2	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.352	5.3	97	0.00
10 T	Methyl Iodide	50.000	48.326	3.3	89	0.00
11 T	Tert butyl alcohol	250.000	231.296	7.5	84	0.00
12 CM	1,1-Dichloroethene	50.000	47.553	4.9#	94	0.00
13 T	Acrolein	250.000	124.956	50.0#	50	0.00
14 T	Allyl chloride	50.000	47.571	4.9	93	0.00
15 T	Acrylonitrile	250.000	235.378	5.8	89	0.00
16 T	Acetone	250.000	257.728	-3.1	92	0.00
17 T	Carbon Disulfide	50.000	44.306	11.4	88	0.01
18 T	Methyl Acetate	50.000	54.193	-8.4	98	0.00
19 T	Methyl tert-butyl Ether	50.000	49.847	0.3	92	0.00
20 T	Methylene Chloride	50.000	45.663	8.7	94	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.497	5.0	93	0.01
22 T	Diisopropyl ether	50.000	49.807	0.4	93	0.00
23 T	Vinyl Acetate	250.000	244.768	2.1	89	0.00
24 P	1,1-Dichloroethane	50.000	47.860	4.3	94	0.00
25 T	2-Butanone	250.000	238.488	4.6	89	0.00
26 T	2,2-Dichloropropane	50.000	50.391	-0.8	100	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.965	2.1	93	0.00
28 T	Bromochloromethane	50.000	47.760	4.5	90	0.00
29 T	Tetrahydrofuran	250.000	246.313	1.5	87	0.00
30 C	Chloroform	50.000	48.804	2.4#	95	0.00
31 T	Cyclohexane	50.000	46.963	6.1	95	0.00
32 T	1,1,1-Trichloroethane	50.000	48.496	3.0	96	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.708	4.6	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	49.177	1.6	89	0.00
36 T	1,1-Dichloropropene	50.000	50.333	-0.7	95	0.00
37 T	Ethyl Acetate	50.000	48.702	2.6	87	0.00
38 T	Carbon Tetrachloride	50.000	50.908	-1.8	96	0.00
39 T	Methylcyclohexane	50.000	51.187	-2.4	94	0.00
40 TM	Benzene	50.000	50.056	-0.1	94	0.00
41 T	Methacrylonitrile	50.000	55.458	-10.9	95	0.00
42 TM	1,2-Dichloroethane	50.000	51.493	-3.0	95	0.00
43 T	Isopropyl Acetate	50.000	49.819	0.4	88	0.00
44 TM	Trichloroethene	50.000	50.021	-0.0	94	0.00
45 C	1,2-Dichloropropane	50.000	51.207	-2.4#	94	0.00
46 T	Dibromomethane	50.000	50.312	-0.6	93	0.00
47 T	Bromodichloromethane	50.000	51.319	-2.6	94	0.00
48 T	Methyl methacrylate	50.000	52.721	-5.4	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022145.D
 Acq On : 05 May 2025 08:46
 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: May 06 05:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	997.352	0.3	91	0.00
50 S	Toluene-d8	50.000	49.907	0.2	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	264.723	-5.9	89	0.00
52 CM	Toluene	50.000	51.956	-3.9#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	51.928	-3.9	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.667	-3.3	94	0.00
55 T	1,1,2-Trichloroethane	50.000	51.742	-3.5	93	0.00
56 T	Ethyl methacrylate	50.000	52.583	-5.2	88	0.00
57 T	1,3-Dichloropropane	50.000	51.177	-2.4	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.418	-7.4	86	0.00
59 T	2-Hexanone	250.000	267.843	-7.1	89	0.00
60 T	Dibromochloromethane	50.000	51.138	-2.3	93	0.00
61 T	1,2-Dibromoethane	50.000	51.775	-3.5	94	0.00
62 S	4-Bromofluorobenzene	50.000	50.932	-1.9	90	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64 T	Tetrachloroethene	50.000	52.270	-4.5	98	0.00
65 PM	Chlorobenzene	50.000	50.610	-1.2	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.569	-1.1	93	0.00
67 C	Ethyl Benzene	50.000	51.872	-3.7#	94	0.00
68 T	m/p-Xylenes	100.000	104.029	-4.0	93	0.00
69 T	o-Xylene	50.000	52.398	-4.8	93	0.00
70 T	Styrene	50.000	53.321	-6.6	93	0.00
71 P	Bromoform	50.000	49.915	0.2	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73 T	Isopropylbenzene	50.000	52.254	-4.5	95	0.00
74 T	N-amyl acetate	50.000	49.288	1.4	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.871	2.3	90	0.00
76 T	1,2,3-Trichloropropane	50.000	51.057	-2.1	97	0.00
77 T	Bromobenzene	50.000	51.057	-2.1	94	0.00
78 T	n-propylbenzene	50.000	52.656	-5.3	95	0.00
79 T	2-Chlorotoluene	50.000	51.489	-3.0	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.733	-5.5	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.520	-1.0	92	0.00
82 T	4-Chlorotoluene	50.000	51.909	-3.8	95	0.00
83 T	tert-Butylbenzene	50.000	52.224	-4.4	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.705	-5.4	94	0.00
85 T	sec-Butylbenzene	50.000	52.666	-5.3	95	0.00
86 T	p-Isopropyltoluene	50.000	52.460	-4.9	94	0.00
87 T	1,3-Dichlorobenzene	50.000	49.477	1.0	93	0.00
88 T	1,4-Dichlorobenzene	50.000	49.489	1.0	93	0.00
89 T	n-Butylbenzene	50.000	52.205	-4.4	94	0.00
90 T	Hexachloroethane	50.000	50.010	-0.0	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.315	-0.6	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.642	0.7	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.241	-0.5	93	0.00
94 T	Hexachlorobutadiene	50.000	49.910	0.2	98	0.00
95 T	Naphthalene	50.000	51.336	-2.7	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	50.599	-1.2	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



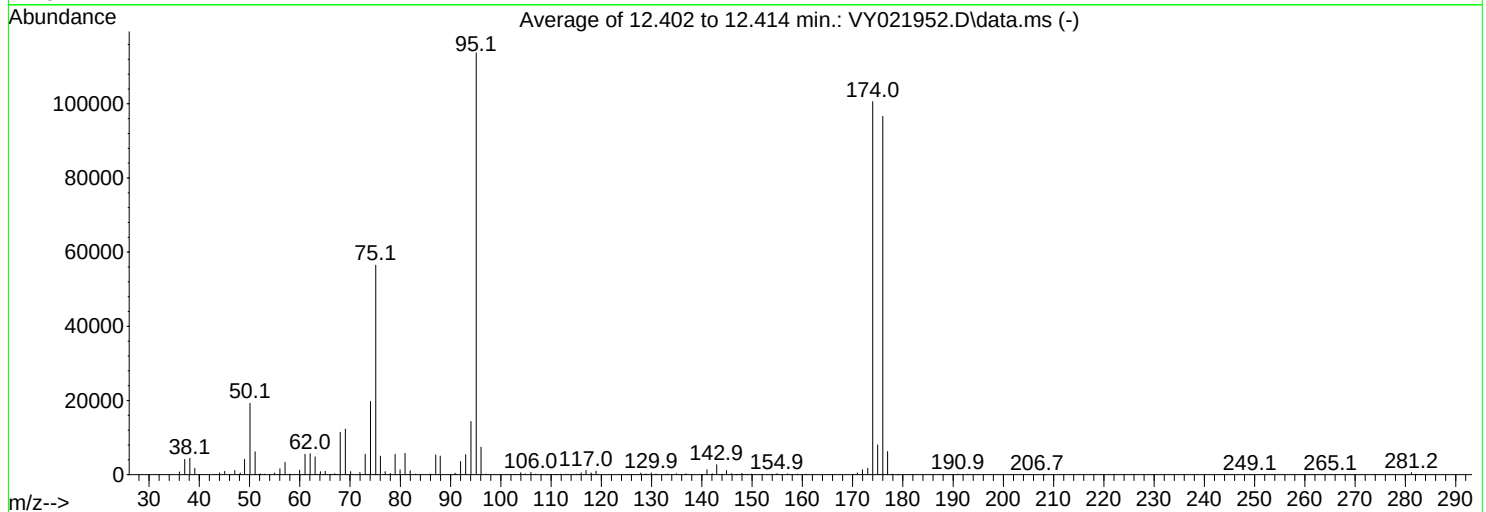
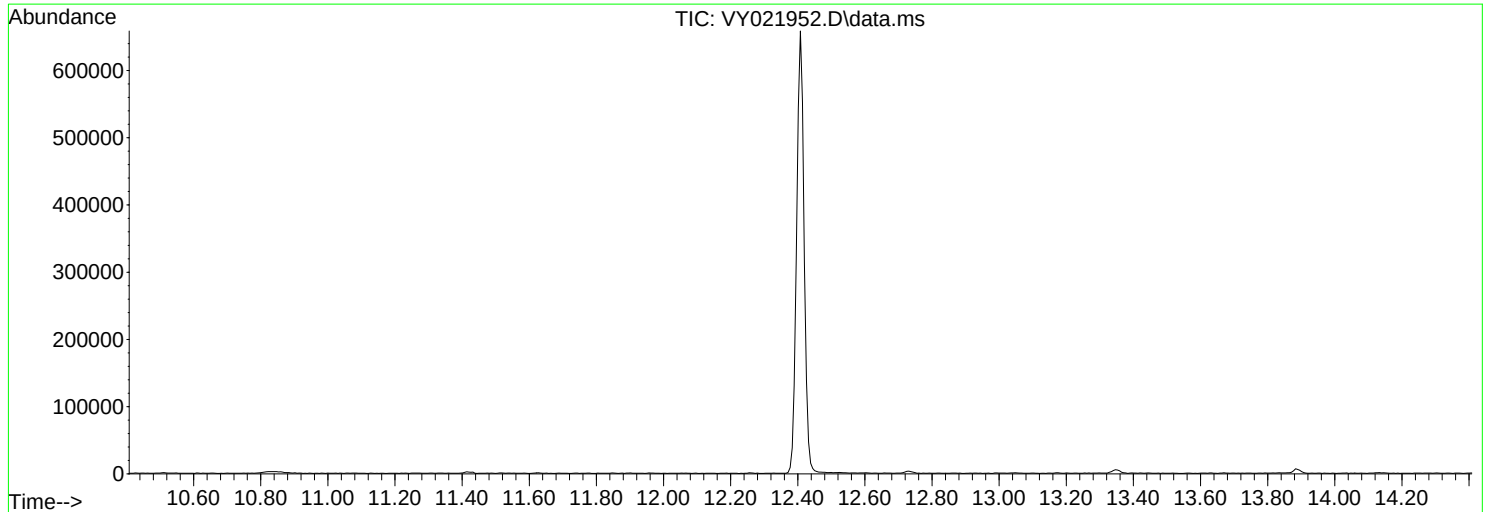
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

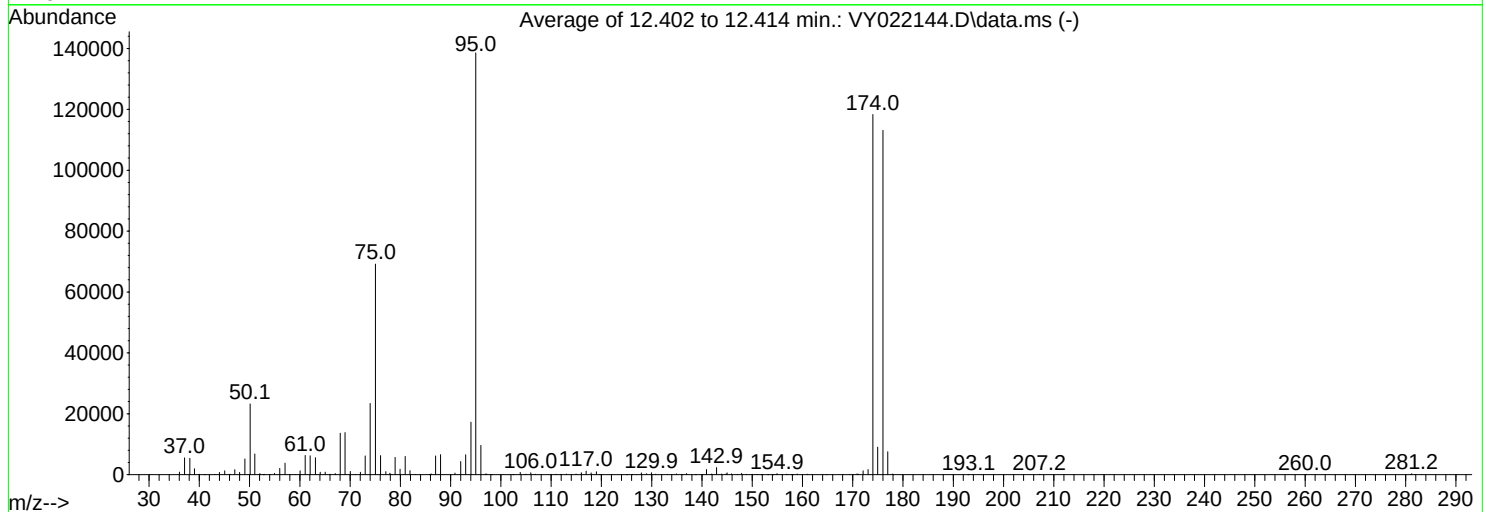
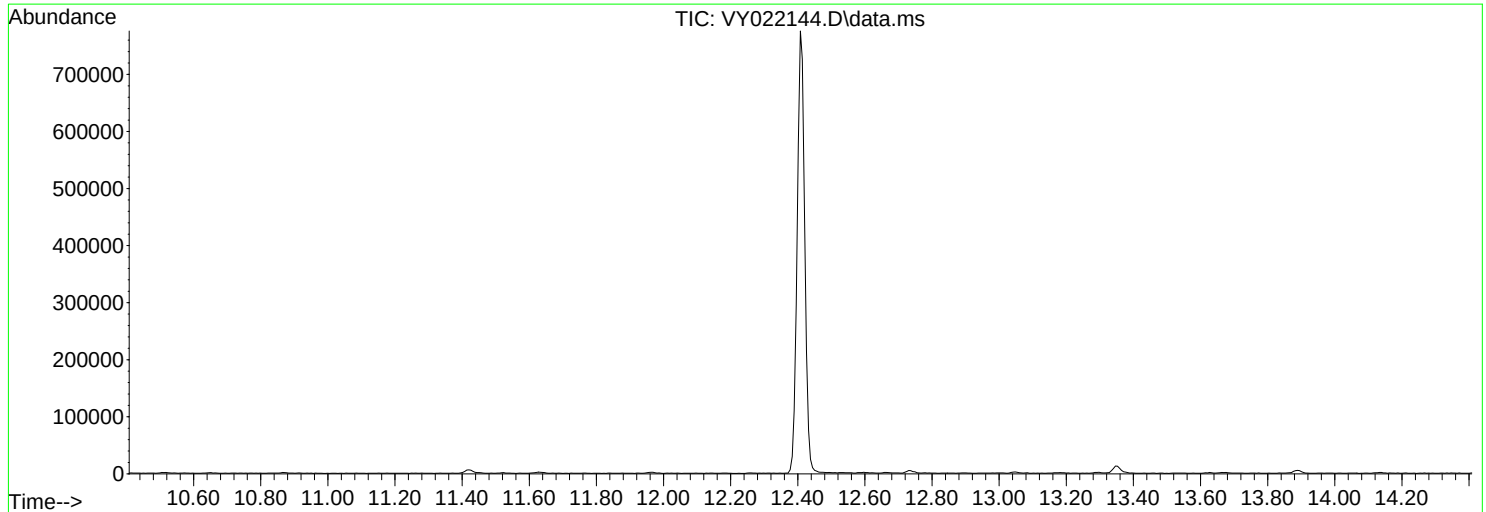
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022144.D
Acq On : 05 May 2025 08:15
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	23243	PASS
75	95	30	60	49.9	69173	PASS
95	95	100	100	100.0	138573	PASS
96	95	5	9	7.0	9645	PASS
173	174	0.00	2	1.4	1687	PASS
174	95	50	100	85.4	118339	PASS
175	174	5	9	7.7	9061	PASS
176	174	95	101	95.6	113131	PASS
177	176	5	9	6.7	7536	PASS

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBL01	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
VY022146.D	1		05/05/25 09:24	VY050525

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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBL01	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
VY022146.D	1		05/05/25 09:24	VY050525

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	49.8		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (74) - 130 (123)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		70 (38) - 130 (136)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	512000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	
Project:	Stan Hope		Date Received:	
Client Sample ID:	VY0505SBL01		SDG No.:	Q1938
Lab Sample ID:	VY0505SBL01		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
VY022146.D	1		05/05/25 09:24	VY050525

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\VY050525\
 Data File : VY022146.D
 Acq On : 05 May 2025 09:24
 Operator : SY/MD
 Sample : VY0505SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBL01

Quant Time: May 06 05:19:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	329285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	511500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151518	49.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.640%
35) Dibromofluoromethane	7.634	113	198164	50.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.120%
50) Toluene-d8	10.109	98	694430	46.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.408	95	277751	55.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.560%

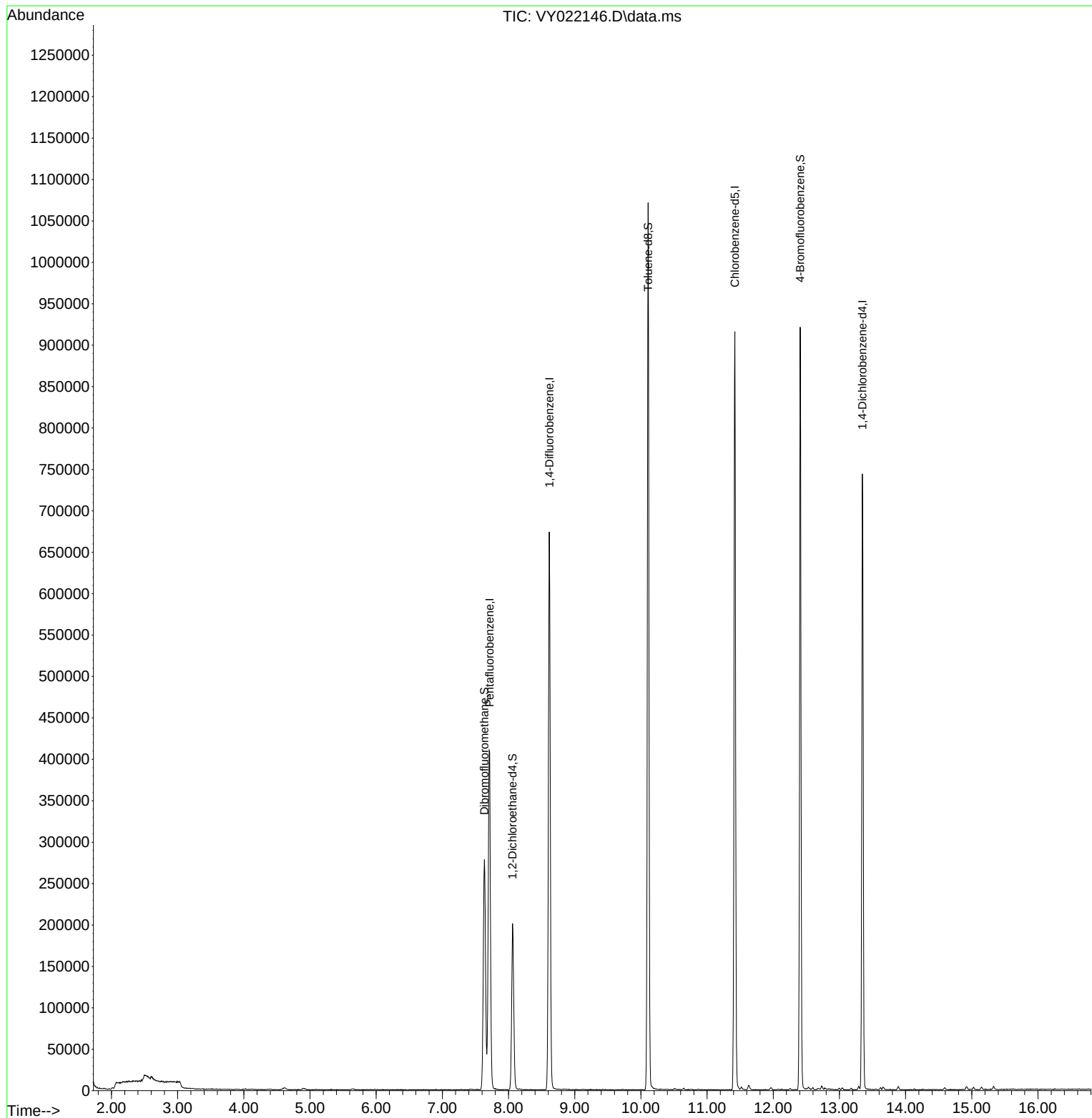
Target Compounds	Qvalue

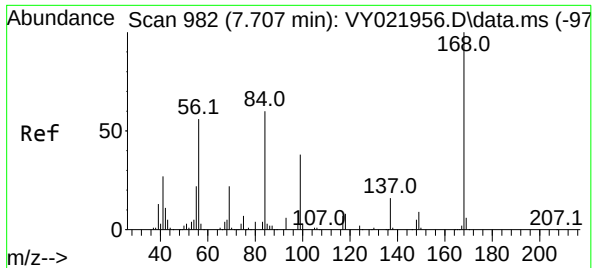
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Time: May 06 05:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

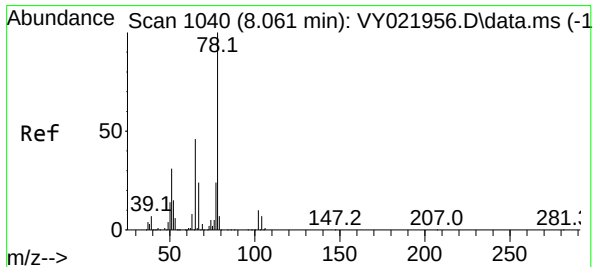
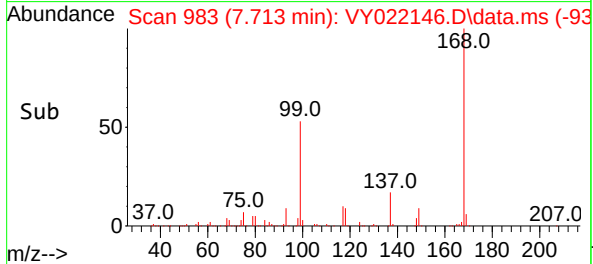
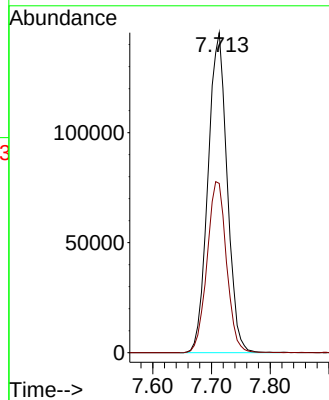
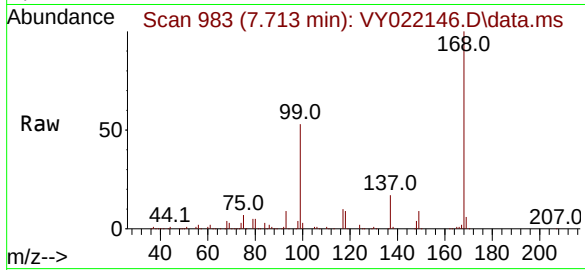




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

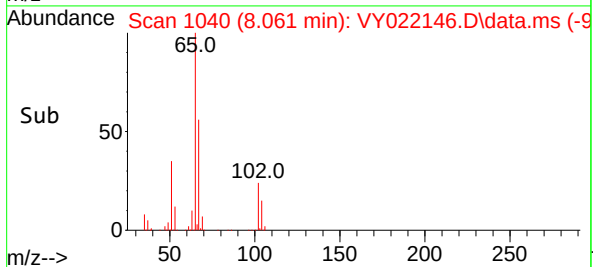
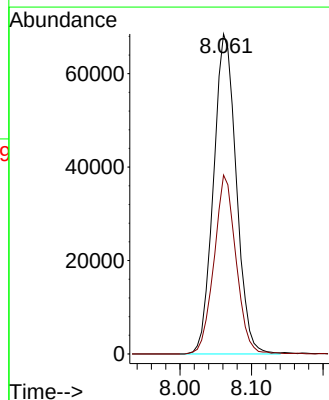
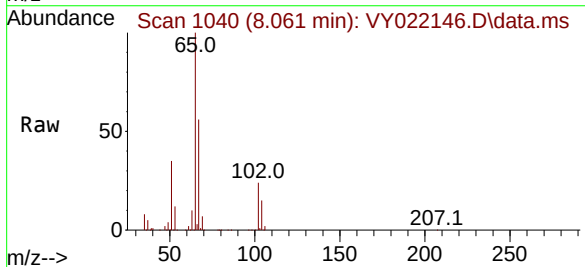
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

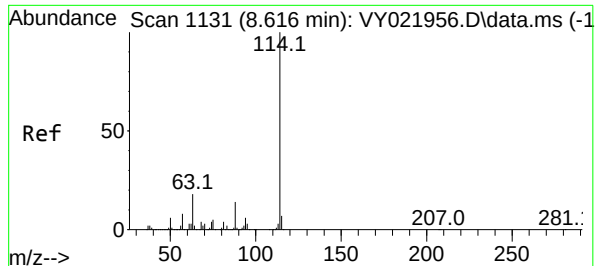
Tgt Ion:168 Resp: 329285
Ion Ratio Lower Upper
168 100
99 52.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 49.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 65 Resp: 151518
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

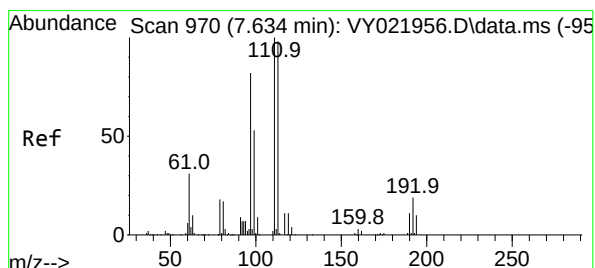
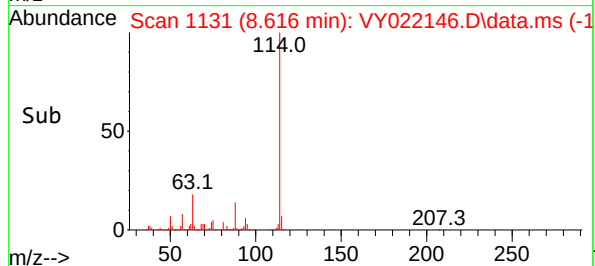
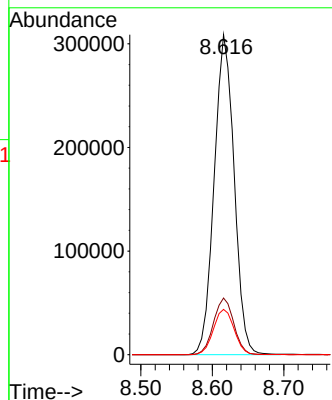
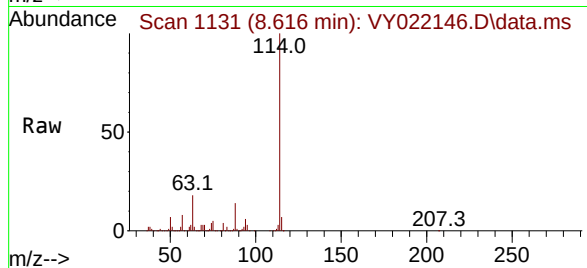
Tgt Ion:114 Resp: 599236

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.056 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022146.D

Acq: 05 May 2025 09:24

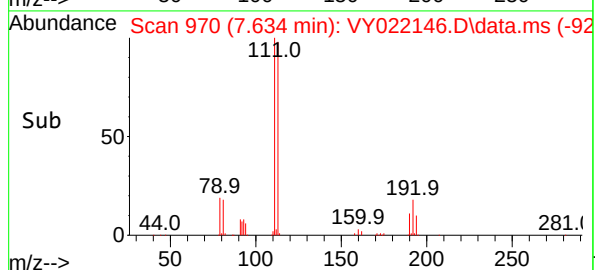
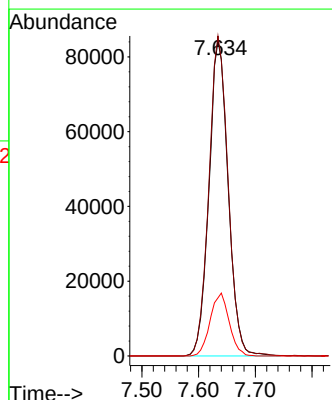
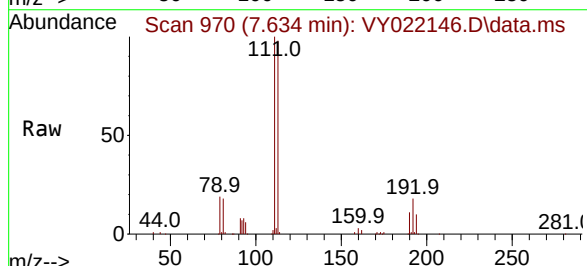
Tgt Ion:113 Resp: 198164

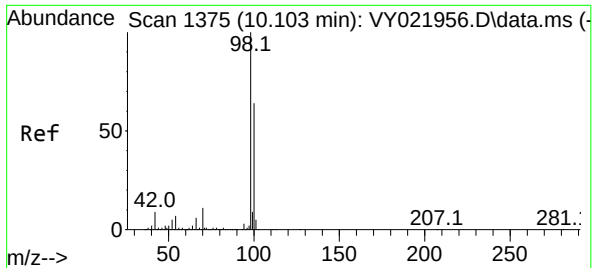
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

192 19.8 15.6 23.4

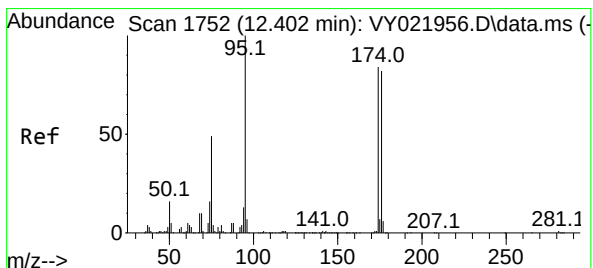
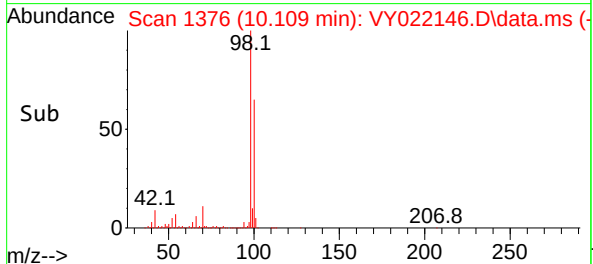
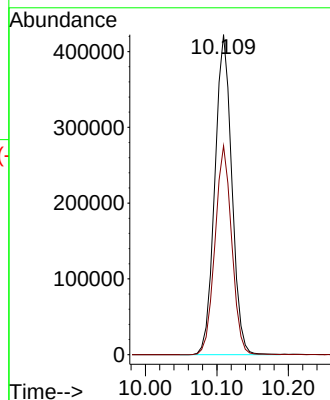
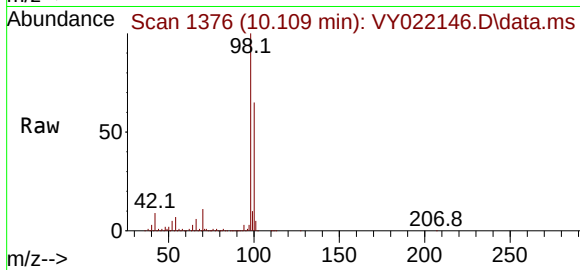




#50
Toluene-d8
Concen: 46.528 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

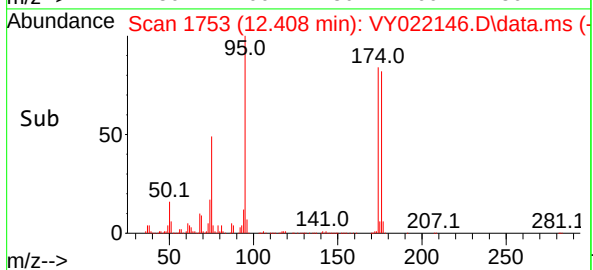
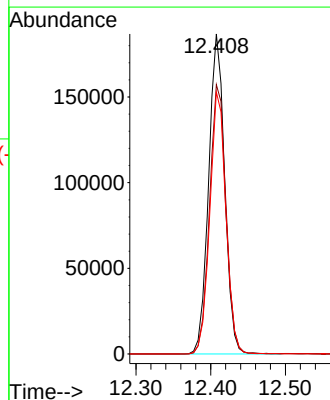
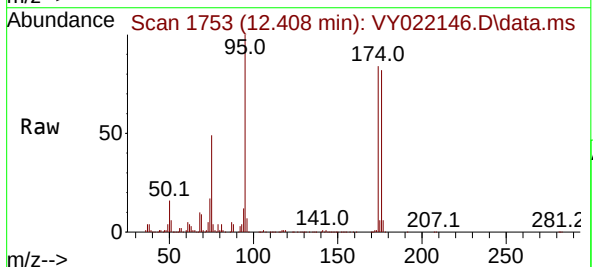
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

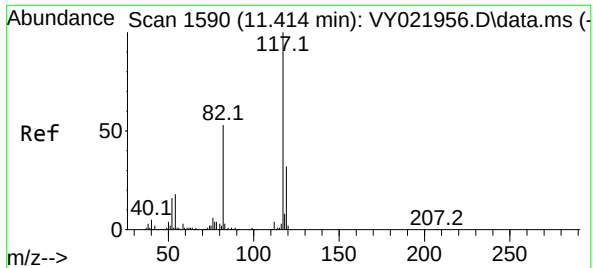
Tgt Ion: 98 Resp: 694430
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 95 Resp: 277751
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 82.4 0.0 171.8

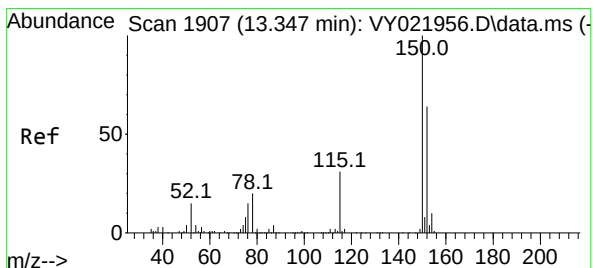
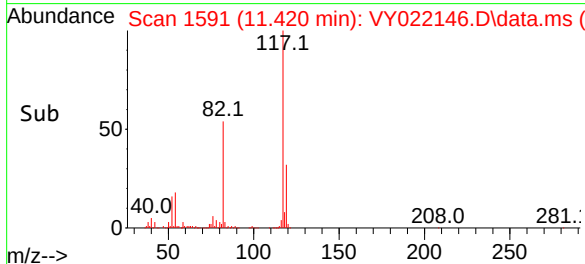
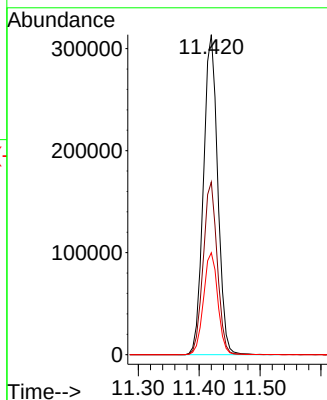
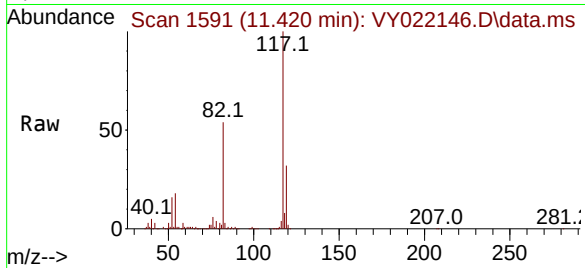




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

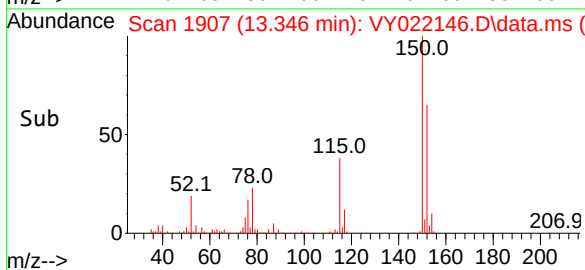
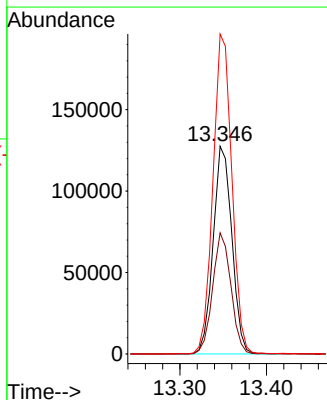
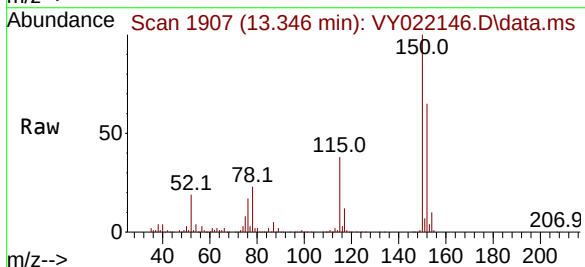
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	31.8	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: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	154.9	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022146.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	958	970	976	rBV2	277976	656953	36.93%	7.182%
2	7.707	976	982	996	rVB	409044	953069	53.58%	10.419%
3	8.061	1031	1040	1054	rBV	200599	432646	24.32%	4.730%
4	8.616	1121	1131	1142	rBV	673699	1327706	74.64%	14.514%
5	10.109	1368	1376	1396	rBV	1071024	1778834	100.00%	19.446%
6	11.420	1583	1591	1603	rBV	915444	1500005	84.33%	16.398%
7	12.408	1745	1753	1765	rBV	920879	1389531	78.11%	15.190%
8	13.346	1901	1907	1917	rVB	742563	1108714	62.33%	12.120%

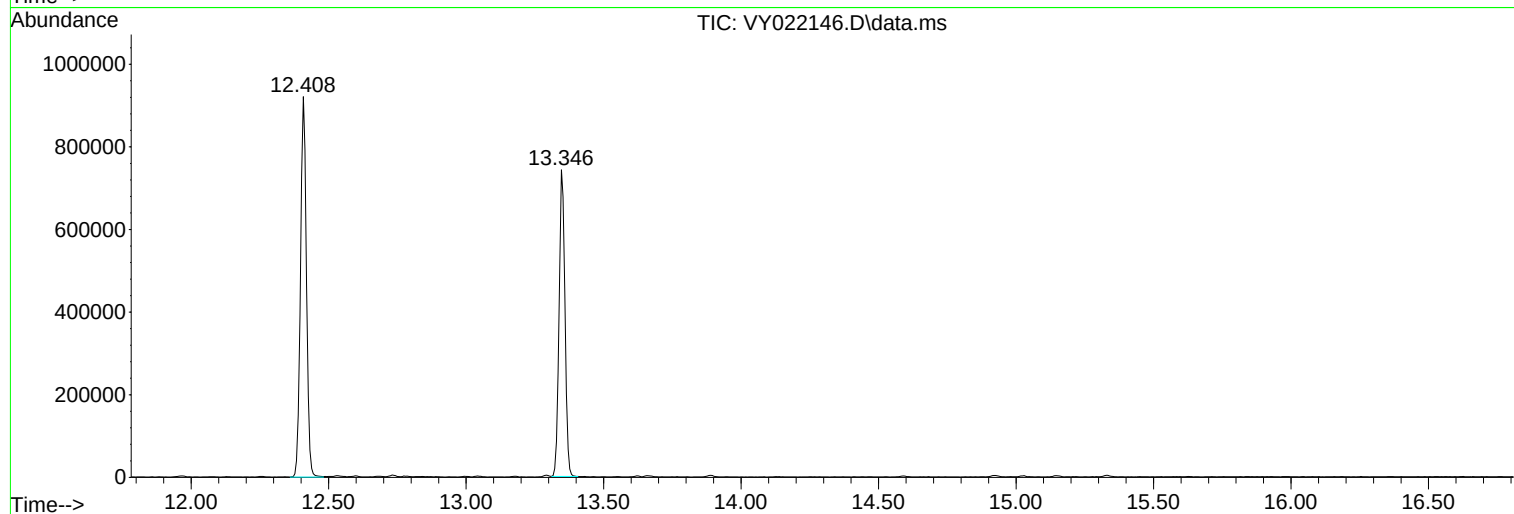
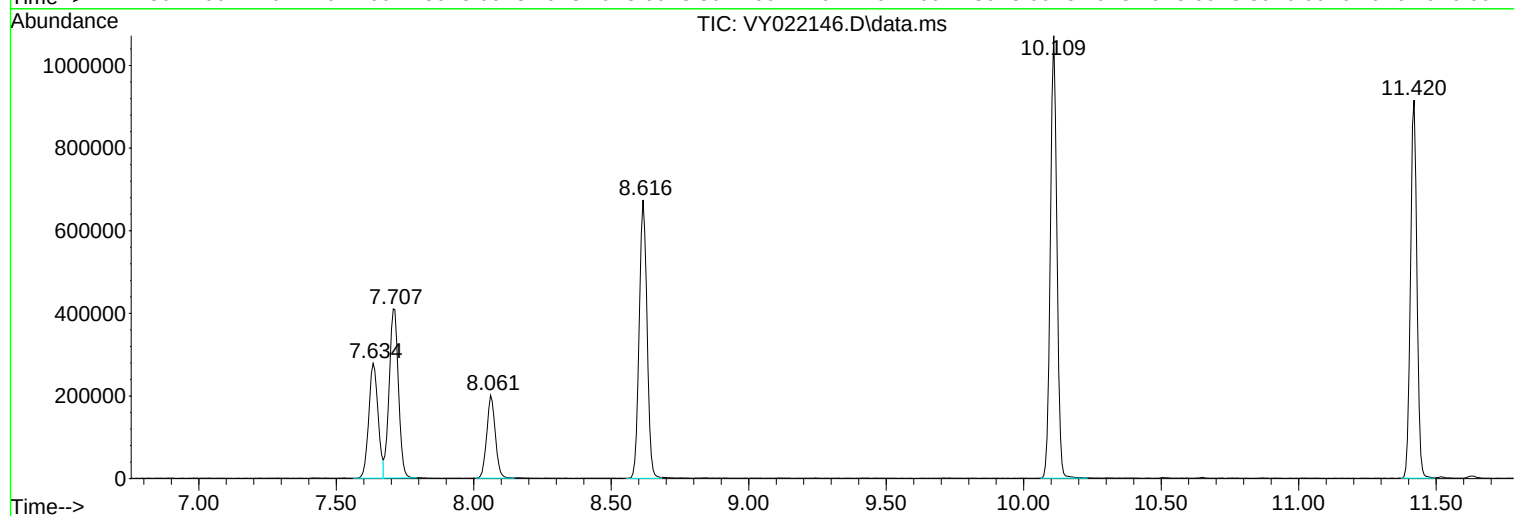
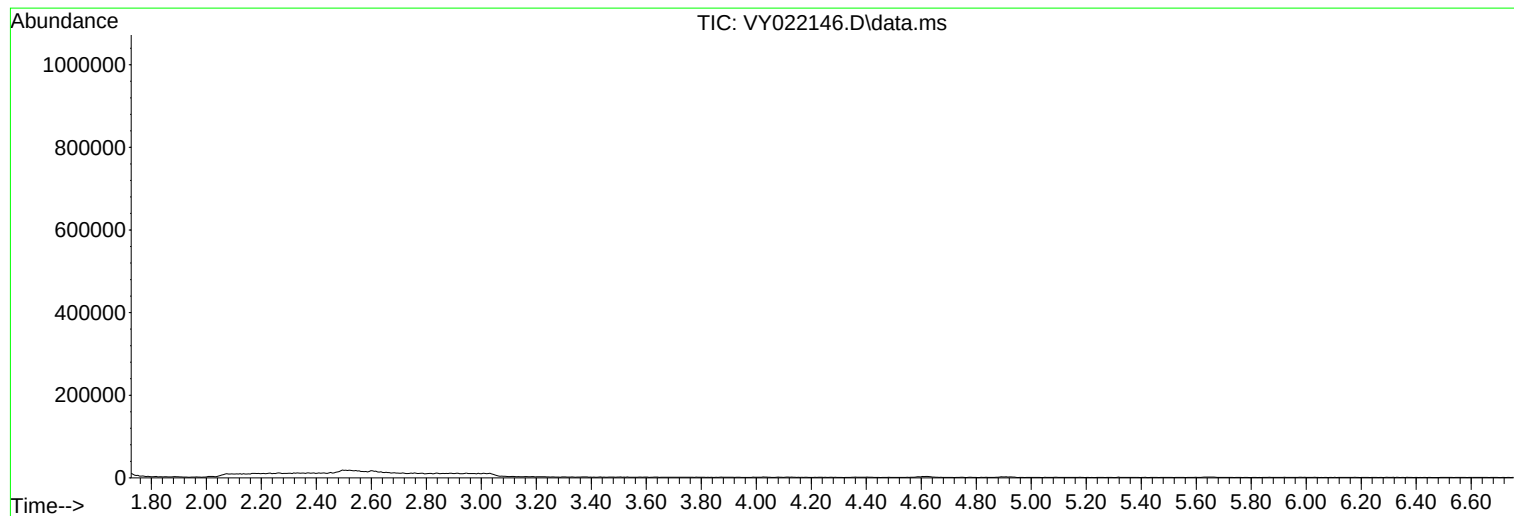
Sum of corrected areas: 9147458

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	93.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	92.1		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBS01	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
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	92.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	7.713			
540-36-3	1,4-Difluorobenzene	438000	8.616			
3114-55-4	Chlorobenzene-d5	396000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBS01	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
VY022147.D	1		05/05/25 09:55	VY050525

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\VY050525\
 Data File : VY022147.D
 Acq On : 05 May 2025 09:55
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	283597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212383	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	130743	49.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.820%
35) Dibromofluoromethane	7.634	113	142785	49.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.780%
50) Toluene-d8	10.109	98	533457	48.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	183926	50.125	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	45521	18.837	ug/l	99
3) Chloromethane	2.068	50	68631	19.946	ug/l	97
4) Vinyl Chloride	2.202	62	83953	19.855	ug/l	98
5) Bromomethane	2.592	94	80640	22.136	ug/l	99
6) Chloroethane	2.732	64	59493	20.659	ug/l	96
7) Trichlorofluoromethane	3.056	101	114277	20.496	ug/l	96
8) Diethyl Ether	3.452	74	27528	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	62536	20.675	ug/l	99
10) Methyl Iodide	4.007	142	62685	17.900	ug/l	98
11) Tert butyl alcohol	4.884	59	13817	96.078	ug/l	97
12) 1,1-Dichloroethene	3.793	96	56505	20.042	ug/l	99
13) Acrolein	3.653	56	12255	47.479	ug/l	100
14) Allyl chloride	4.385	41	64034	19.506	ug/l	99
15) Acrylonitrile	5.061	53	50219	94.524	ug/l	99
16) Acetone	3.872	43	36620	93.425	ug/l	98
17) Carbon Disulfide	4.104	76	172376	19.176	ug/l	99
18) Methyl Acetate	4.391	43	24946	20.387	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	122495	19.413	ug/l	94
20) Methylene Chloride	4.616	84	61860	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	62716	19.863	ug/l	99
22) Diisopropyl ether	6.018	45	147220	20.152	ug/l	95
23) Vinyl Acetate	5.964	43	381169	96.815	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102019	20.147	ug/l	99
25) 2-Butanone	6.902	43	55008	92.124	ug/l	97
26) 2,2-Dichloropropane	6.884	77	93959	21.170	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70002	19.828	ug/l	99
28) Bromochloromethane	7.250	49	40301	20.490	ug/l	100
29) Tetrahydrofuran	7.268	42	36635	94.466	ug/l	100
30) Chloroform	7.421	83	113922	20.282	ug/l	99
31) Cyclohexane	7.707	56	85669	19.784	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105659	20.792	ug/l	100
36) 1,1-Dichloropropene	7.835	75	79161	20.383	ug/l	99
37) Ethyl Acetate	6.982	43	26192	18.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	97921	21.100	ug/l	99
39) Methylcyclohexane	9.109	83	96393	19.723	ug/l	96
40) Benzene	8.079	78	245125	20.191	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022147.D
 Acq On : 05 May 2025 09:55
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13405	17.581	ug/l	90
42) 1,2-Dichloroethane	8.158	62	63069	20.983	ug/l	100
43) Isopropyl Acetate	8.201	43	51461	19.211	ug/l	98
44) Trichloroethene	8.865	130	69699	20.727	ug/l	99
45) 1,2-Dichloropropane	9.146	63	54540	20.315	ug/l	99
46) Dibromomethane	9.237	93	33746	20.079	ug/l	99
47) Bromodichloromethane	9.426	83	86130	20.515	ug/l	97
48) Methyl methacrylate	9.225	41	23901	19.301	ug/l	97
49) 1,4-Dioxane	9.237	88	6413	358.012	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	134271	95.622	ug/l	100
52) Toluene	10.170	92	158982	20.231	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	72724	20.194	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	85689	20.017	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	45637	20.329	ug/l	98
56) Ethyl methacrylate	10.438	69	46887	18.264	ug/l	97
57) 1,3-Dichloropropane	10.719	76	72166	20.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	121659	96.924	ug/l	99
59) 2-Hexanone	10.761	43	86027	92.884	ug/l	97
60) Dibromochloromethane	10.914	129	60636	19.509	ug/l	97
61) 1,2-Dibromoethane	11.018	107	41480	19.572	ug/l	100
64) Tetrachloroethene	10.652	164	79383	21.251	ug/l	95
65) Chlorobenzene	11.444	112	177439	20.038	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	62480	20.042	ug/l	98
67) Ethyl Benzene	11.524	91	284474	19.639	ug/l	100
68) m/p-Xylenes	11.627	106	232280	40.298	ug/l	99
69) o-Xylene	11.956	106	105732	19.902	ug/l	99
70) Styrene	11.969	104	176830	19.824	ug/l	99
71) Bromoform	12.133	173	34946	19.281	ug/l #	99
73) Isopropylbenzene	12.255	105	276933	19.517	ug/l	99
74) N-amyl acetate	12.072	43	43915	18.014	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45282	18.928	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	36757m	20.205	ug/l	
77) Bromobenzene	12.536	156	69315	19.332	ug/l	96
78) n-propylbenzene	12.597	91	338881	20.055	ug/l	100
79) 2-Chlorotoluene	12.682	91	195791	19.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	235339	20.129	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	19.255	ug/l	98
82) 4-Chlorotoluene	12.779	91	206233	20.188	ug/l	99
83) tert-Butylbenzene	12.999	119	201521	19.219	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	234406	20.045	ug/l	98
85) sec-Butylbenzene	13.176	105	307501	20.041	ug/l	100
86) p-Isopropyltoluene	13.291	119	260054	19.960	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	142760	19.604	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	140689	19.507	ug/l	100
89) n-Butylbenzene	13.621	91	227203	19.510	ug/l	100
90) Hexachloroethane	13.883	117	57209	19.985	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	123286	19.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7469	19.624	ug/l	86
93) 1,2,4-Trichlorobenzene	14.925	180	66121	18.371	ug/l	97
94) Hexachlorobutadiene	15.023	225	43136	19.479	ug/l	100
95) Naphthalene	15.145	128	101830	17.031	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	57120	18.385	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

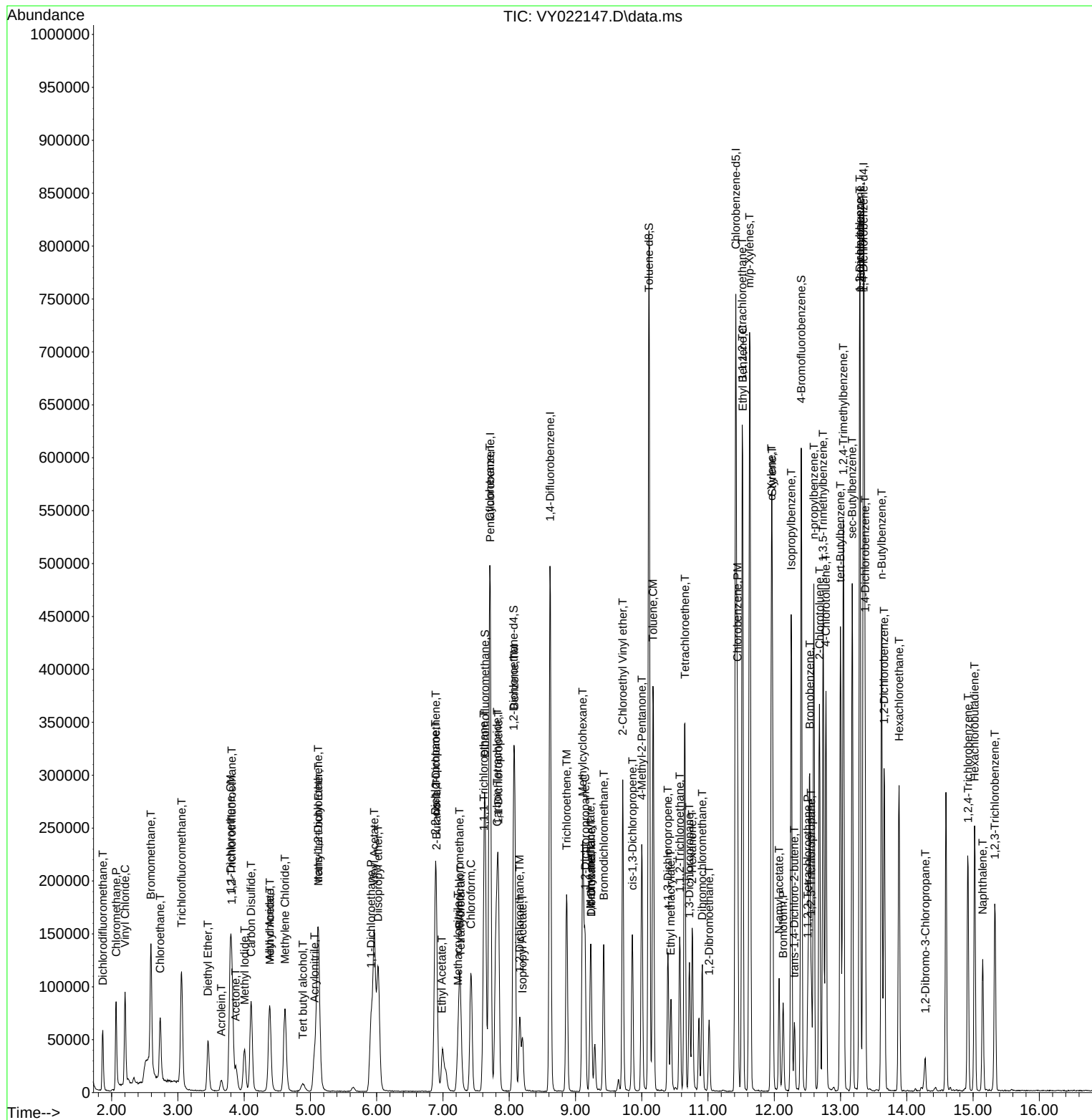
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 Data File : VY022147.D
 Acq On : 05 May 2025 09:55
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

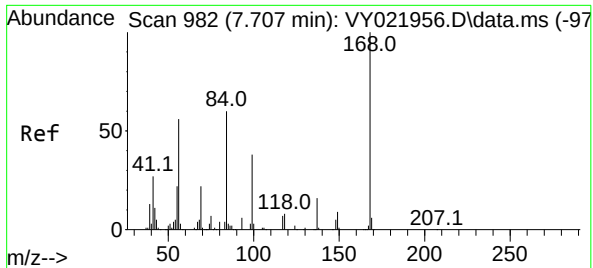
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

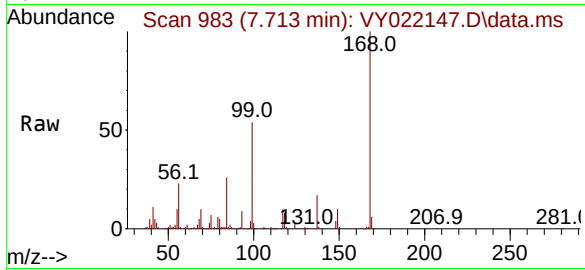
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

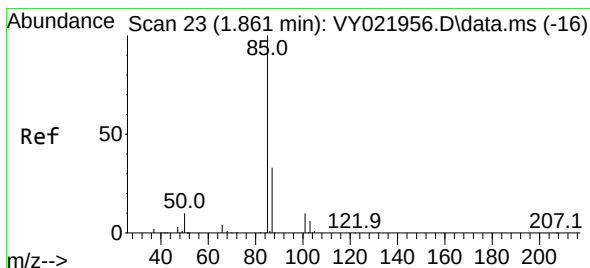
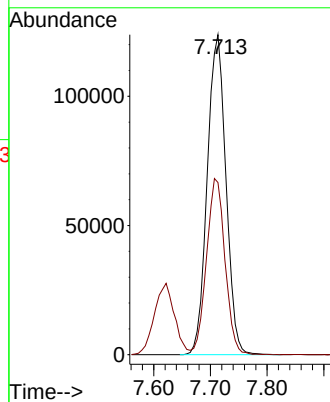
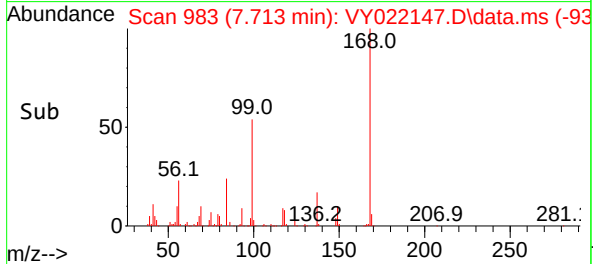
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion:168 Resp: 28359
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7

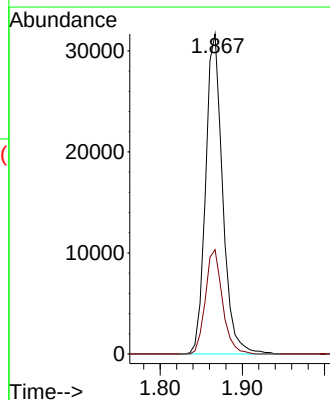
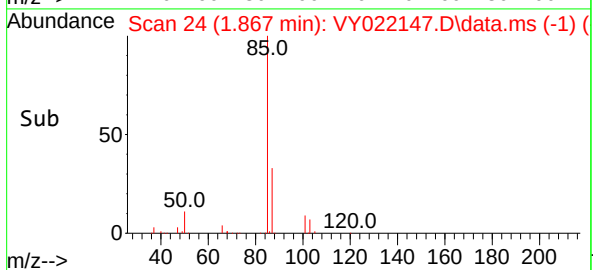
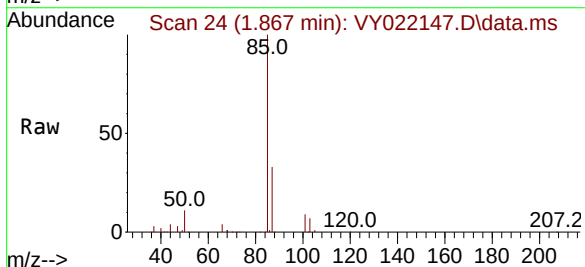
Manual Integrations
APPROVED

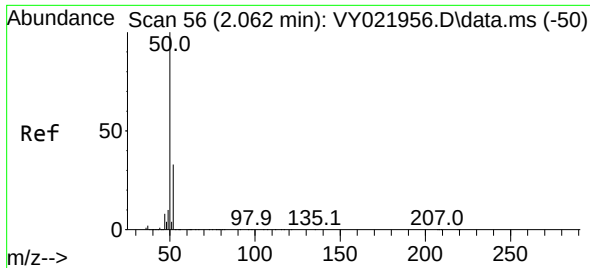
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#2
Dichlorodifluoromethane
Concen: 18.837 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 85 Resp: 45521
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.7





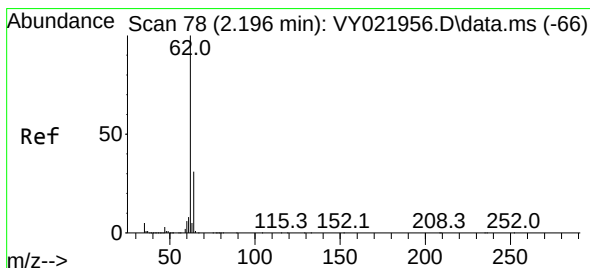
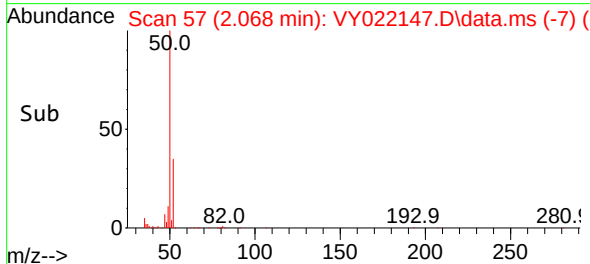
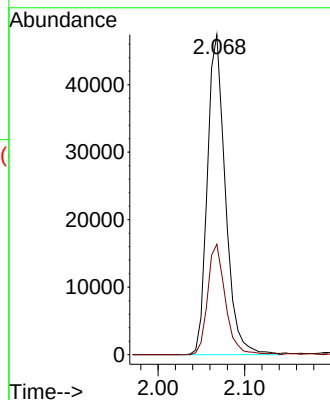
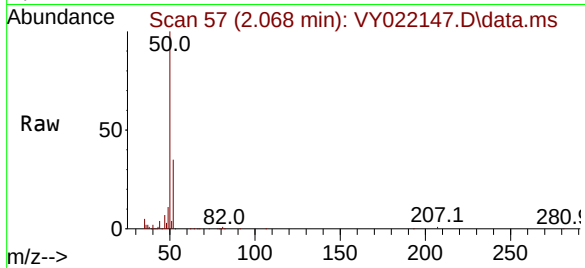
#3
Chloromethane
Concen: 19.946 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 50 Resp: 6863
Ion Ratio Lower Upper
50 100
52 34.5 26.1 39.1

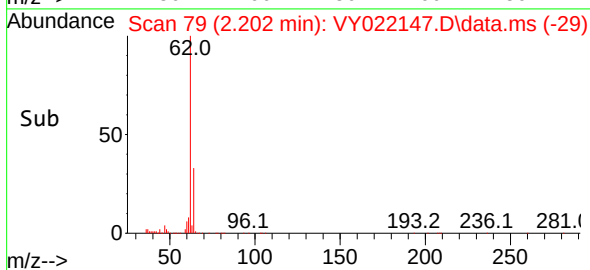
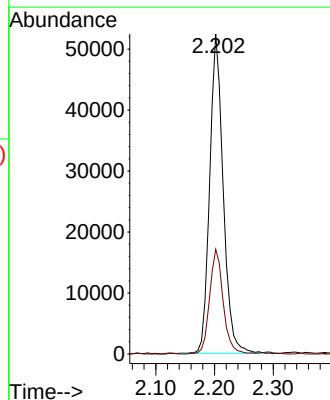
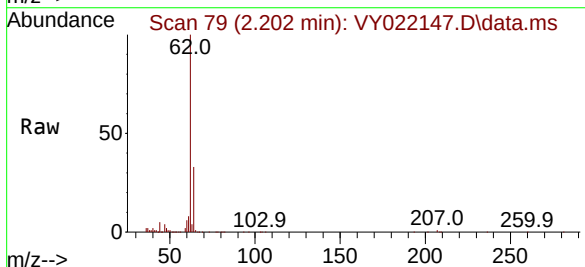
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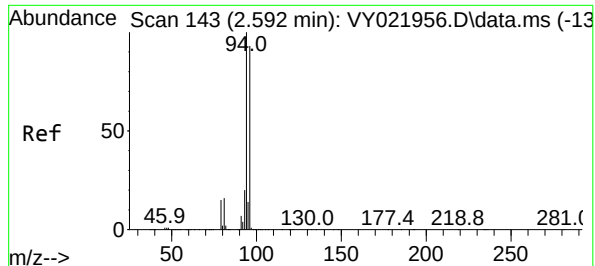
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#4
Vinyl Chloride
Concen: 19.855 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 62 Resp: 83953
Ion Ratio Lower Upper
62 100
64 32.8 25.1 37.7





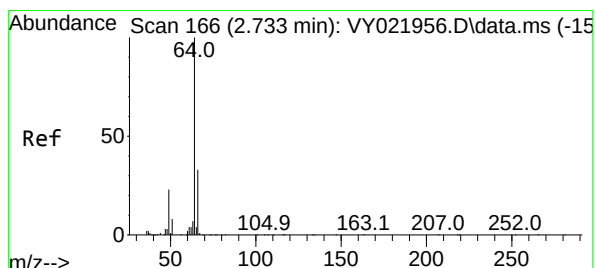
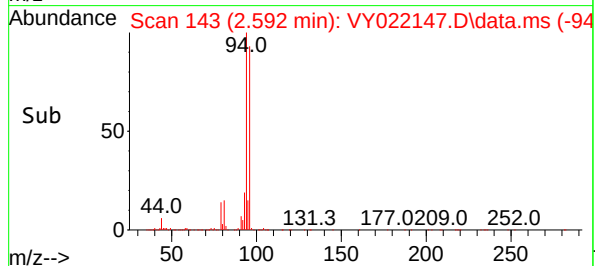
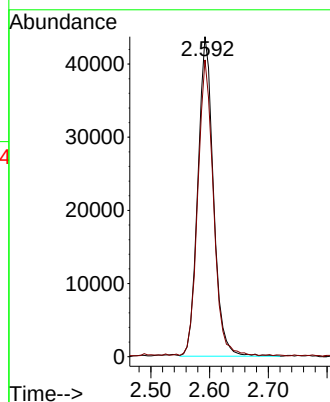
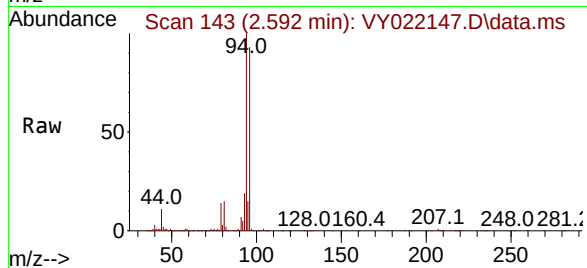
#5
Bromomethane
Concen: 22.136 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 94 Resp: 80640
Ion Ratio Lower Upper
94 100
96 92.5 74.6 111.8

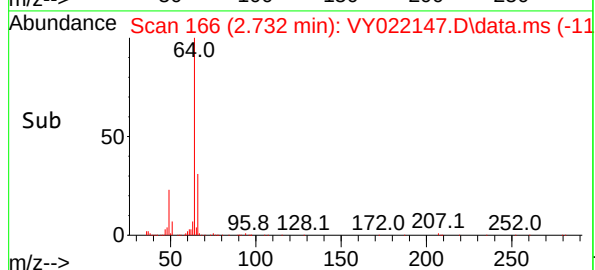
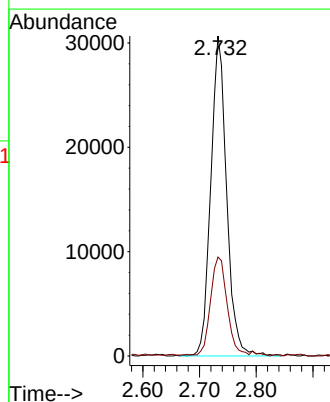
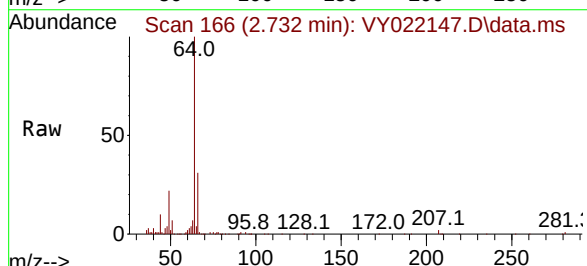
Manual Integrations
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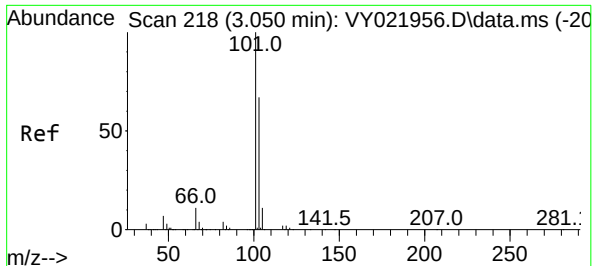
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#6
Chloroethane
Concen: 20.659 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

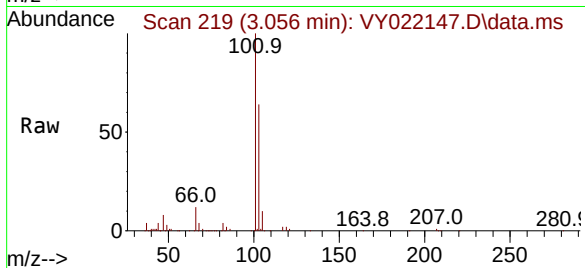
Tgt Ion: 64 Resp: 59493
Ion Ratio Lower Upper
64 100
66 30.6 26.2 39.4





#7
Trichlorofluoromethane
Concen: 20.496 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

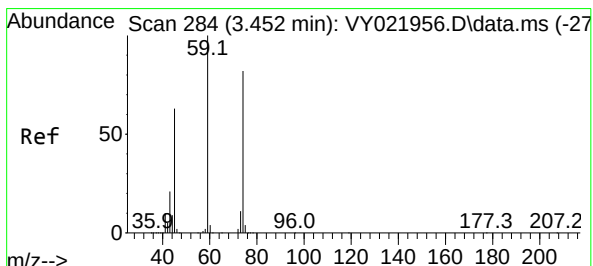
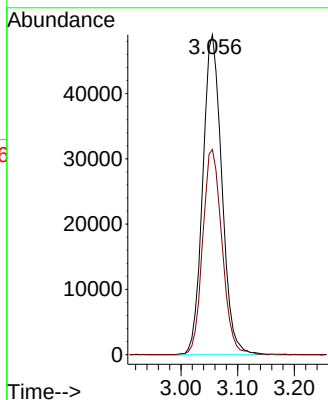
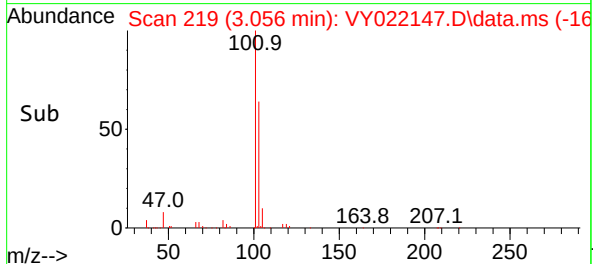
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion:101 Resp: 11427
Ion Ratio Lower Upper
101 100
103 63.9 53.6 80.4

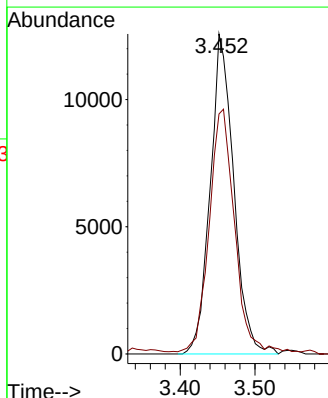
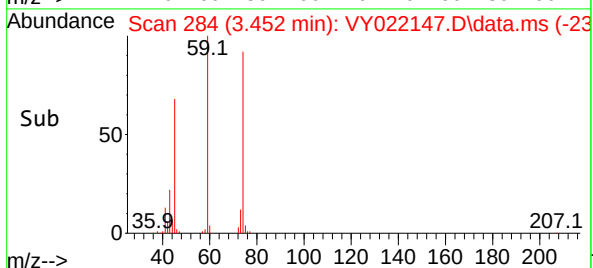
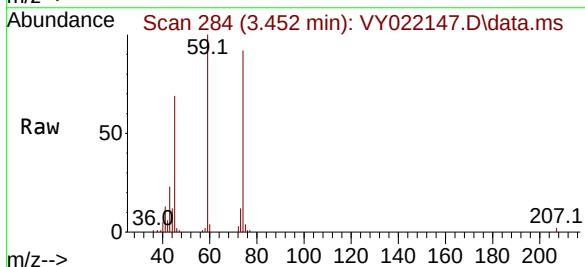
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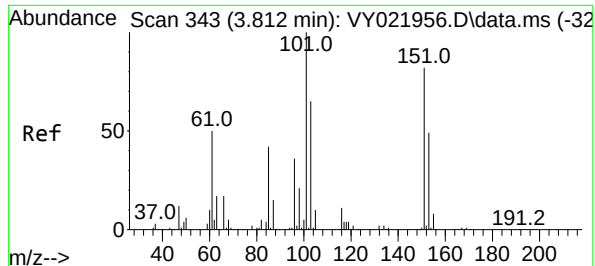
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#8
Diethyl Ether
Concen: 18.969 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 74 Resp: 27528
Ion Ratio Lower Upper
74 100
45 81.1 39.1 117.5





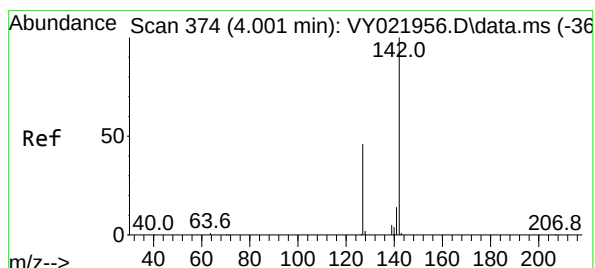
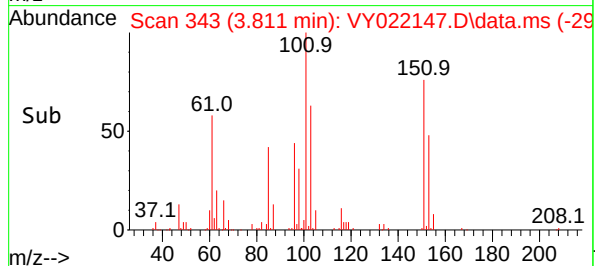
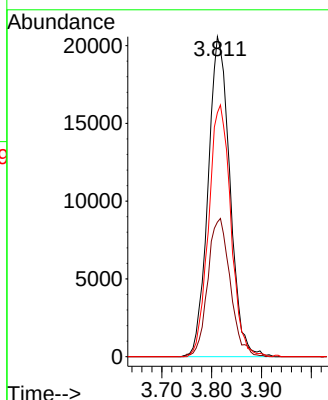
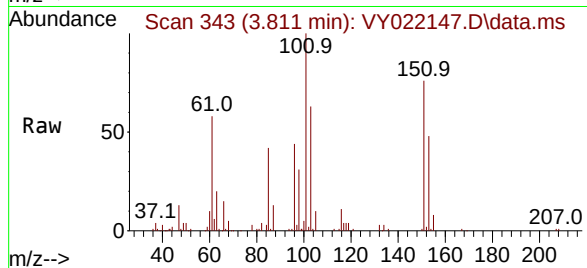
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.675 ug/l
RT: 3.811 min Scan# 343
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:101 Resp: 62530
Ion Ratio Lower Upper
101 100
85 44.5 34.6 51.8
151 80.1 63.7 95.5

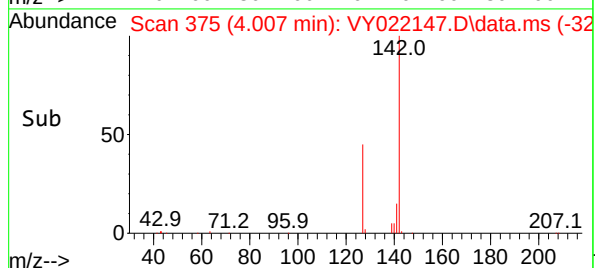
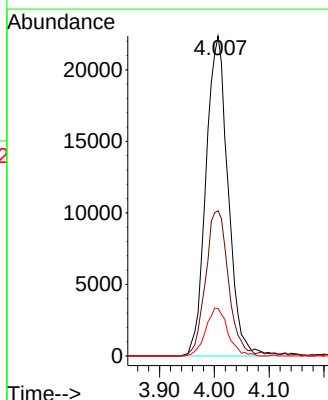
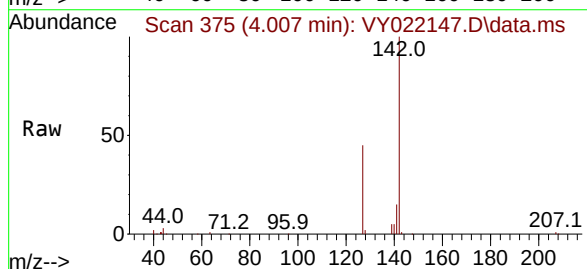
Manual Integrations
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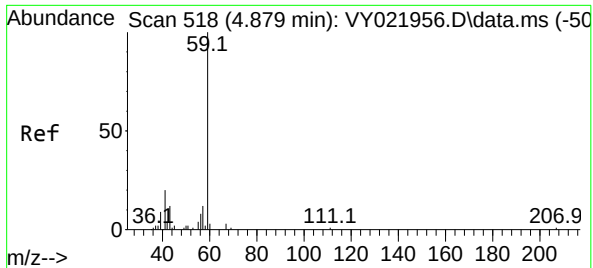
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#10
Methyl Iodide
Concen: 17.900 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:142 Resp: 62685
Ion Ratio Lower Upper
142 100
127 46.9 36.2 54.2
141 14.9 11.7 17.5





#11

Tert butyl alcohol

Concen: 96.078 ug/l

RT: 4.884 min Scan# 518

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 59 Resp: 1381

Ion Ratio Lower Upper

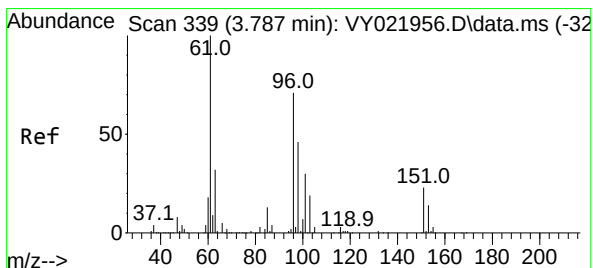
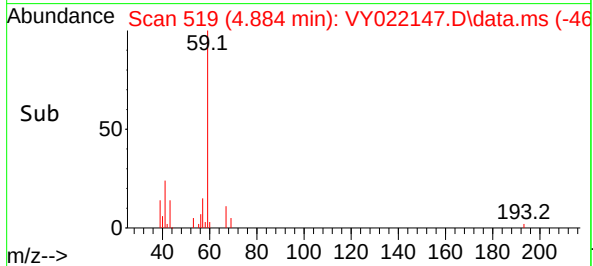
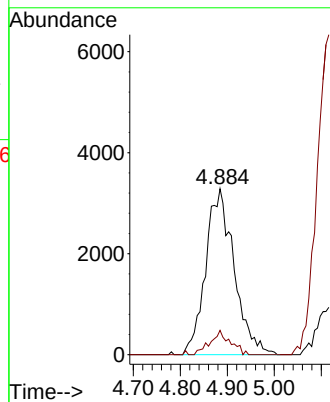
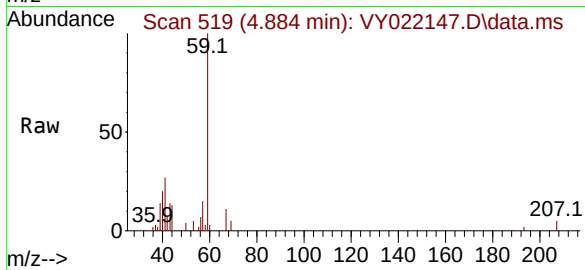
59 100

57 10.3 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#12

1,1-Dichloroethene

Concen: 20.042 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

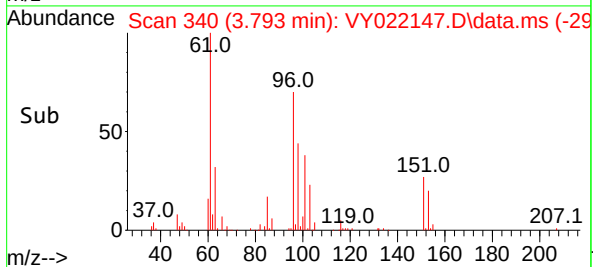
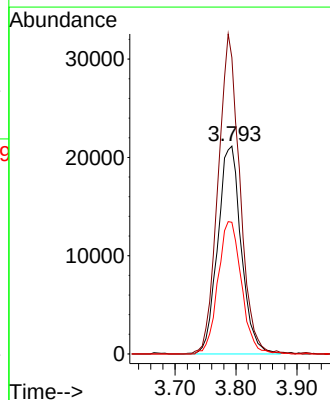
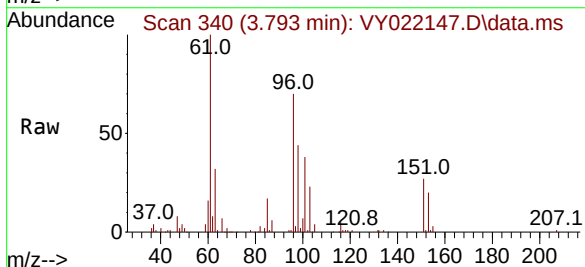
Tgt Ion: 96 Resp: 56505

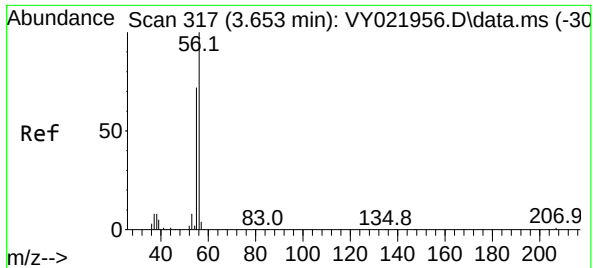
Ion Ratio Lower Upper

96 100

61 142.6 113.0 169.4

98 63.4 51.4 77.2





#13

Acrolein

Concen: 47.479 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 56 Resp: 1225

Ion Ratio Lower Upper

56 100

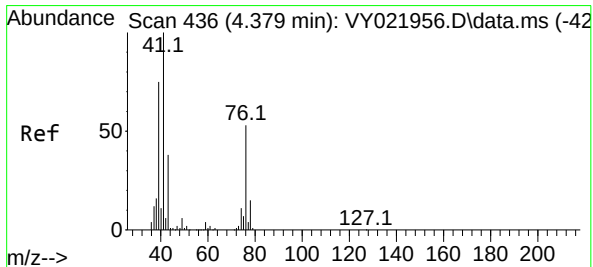
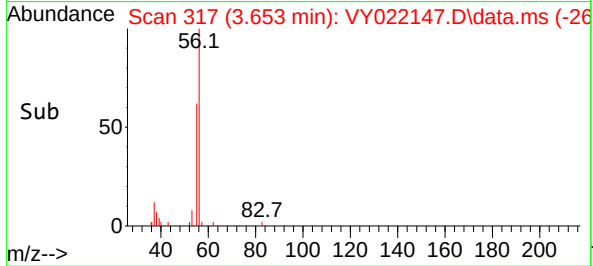
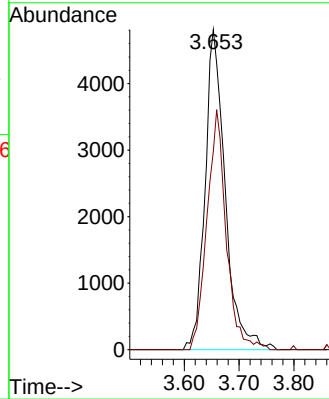
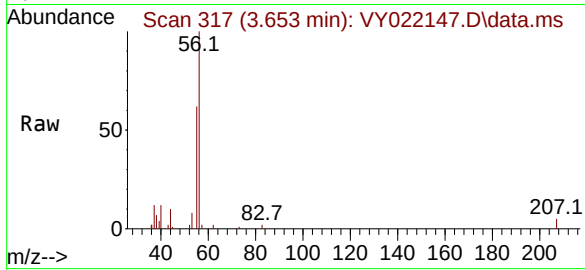
55 71.5 57.4 86.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#14

Allyl chloride

Concen: 19.506 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

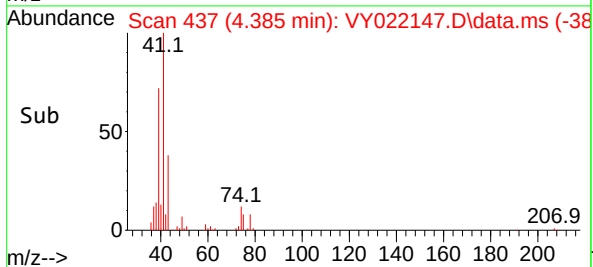
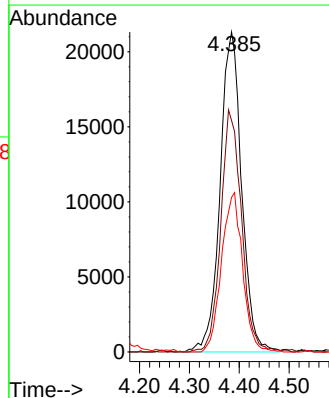
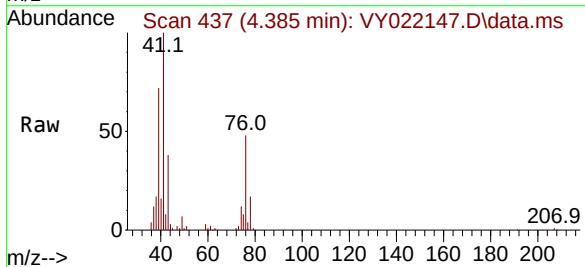
Tgt Ion: 41 Resp: 64034

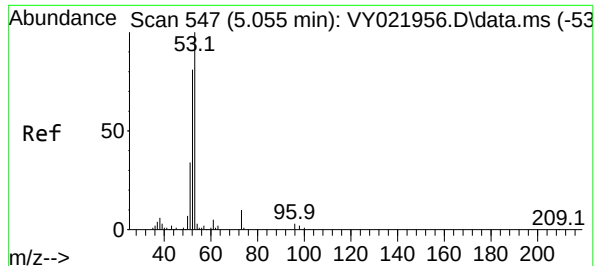
Ion Ratio Lower Upper

41 100

39 72.4 57.2 85.8

76 48.7 39.7 59.5





#15

Acrylonitrile

Concen: 94.524 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 53 Resp: 50219

Ion Ratio Lower Upper

53 100

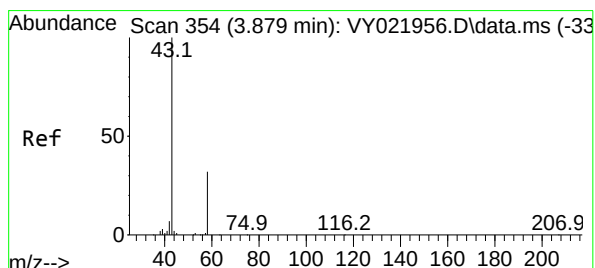
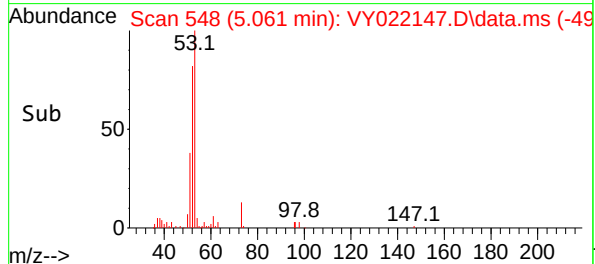
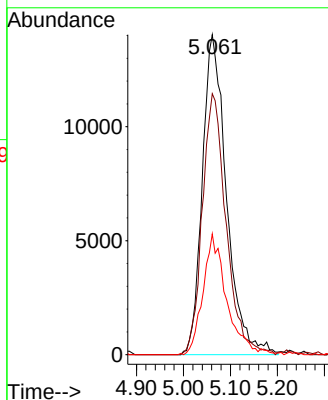
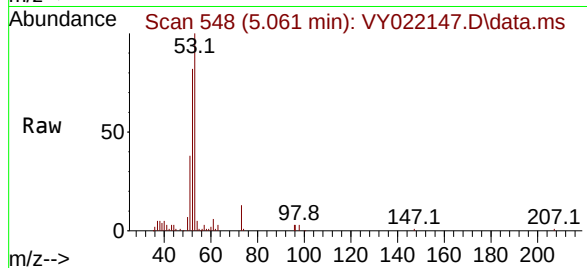
52 80.3 65.0 97.6

51 36.2 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#16

Acetone

Concen: 93.425 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.007 min

Lab File: VY022147.D

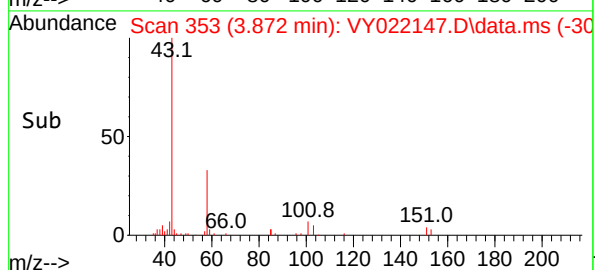
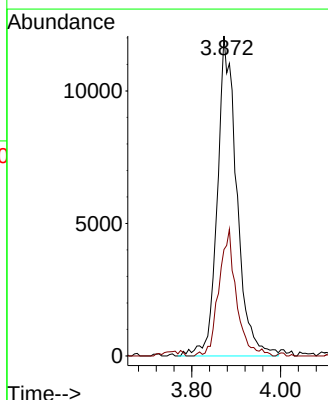
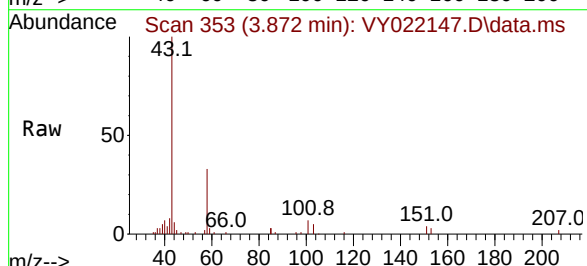
Acq: 05 May 2025 09:55

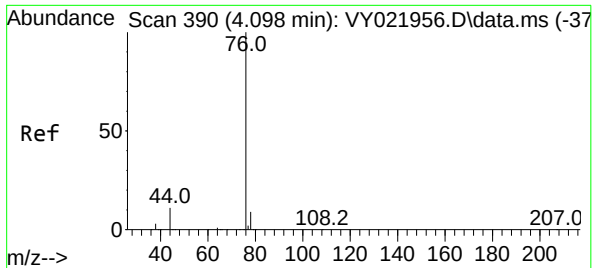
Tgt Ion: 43 Resp: 36620

Ion Ratio Lower Upper

43 100

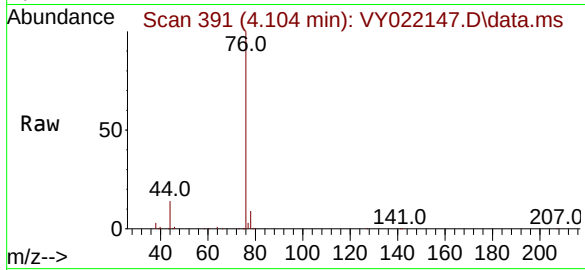
58 32.7 27.0 40.4





#17
Carbon Disulfide
Concen: 19.176 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

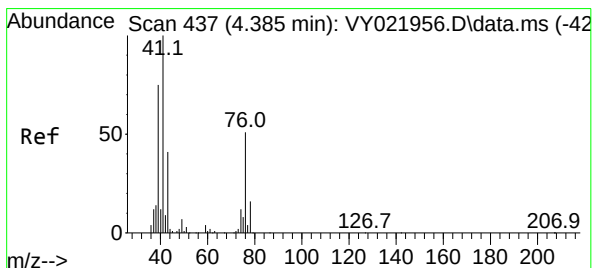
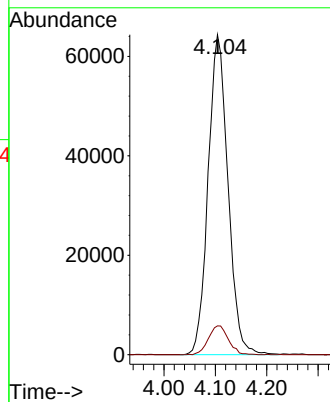
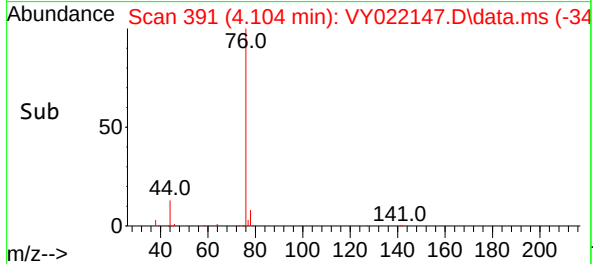
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 76 Resp: 172376
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

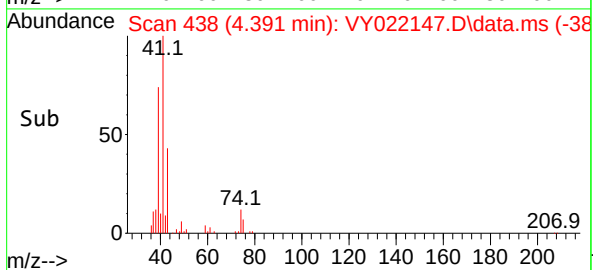
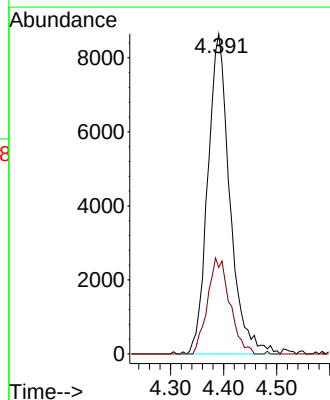
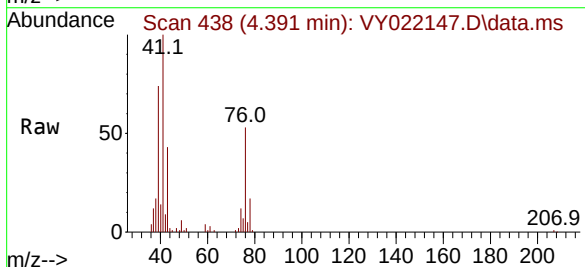
Manual Integrations
APPROVED

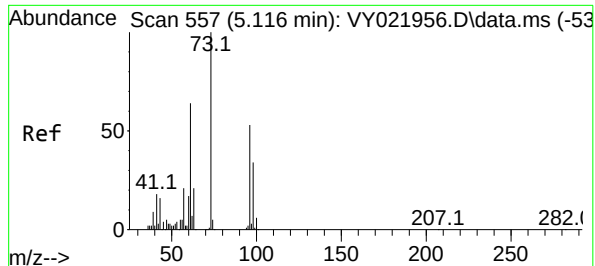
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#18
Methyl Acetate
Concen: 20.387 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 24946
Ion Ratio Lower Upper
43 100
74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.413 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 73 Resp: 12249

Ion Ratio Lower Upper

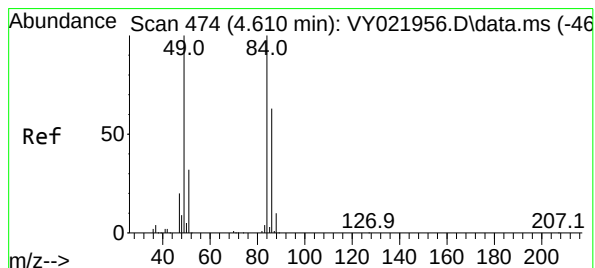
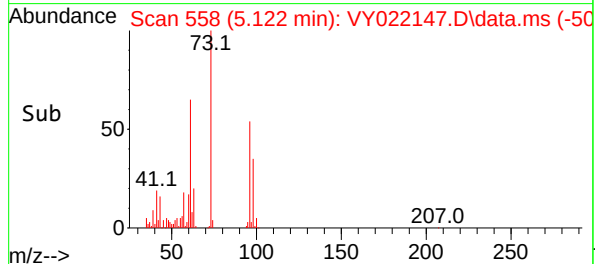
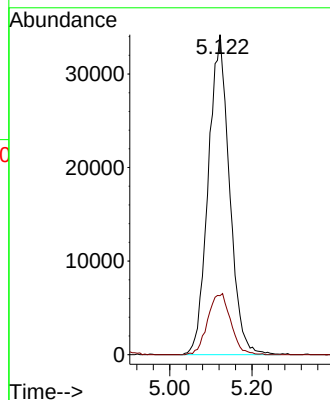
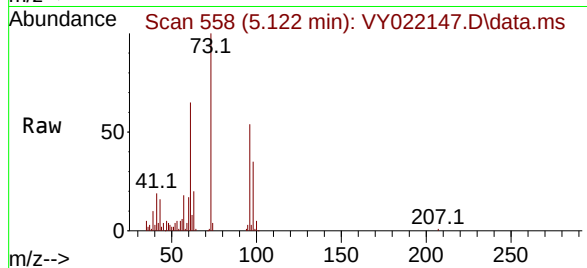
73 100

57 18.5 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#20

Methylene Chloride

Concen: 18.676 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion: 84 Resp: 61860

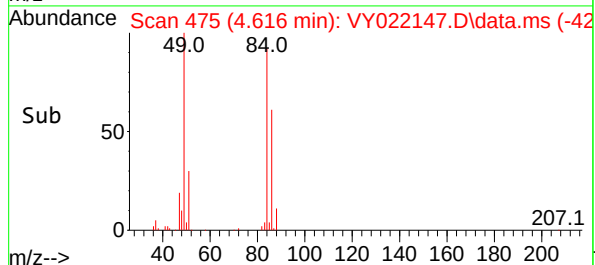
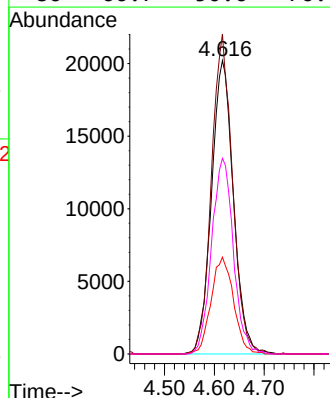
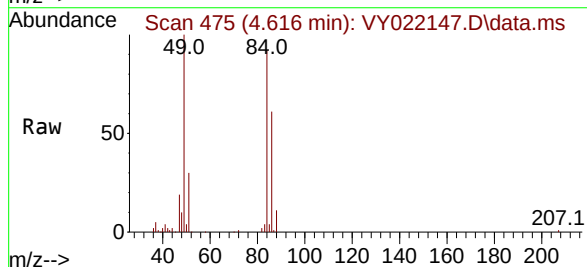
Ion Ratio Lower Upper

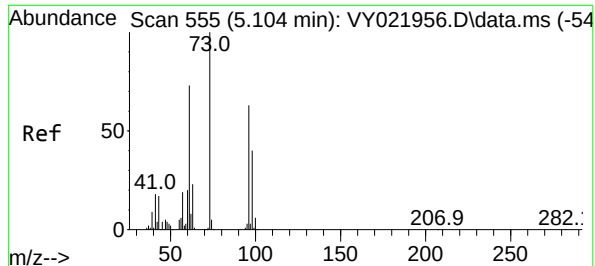
84 100

49 109.0 79.9 119.9

51 33.0 25.4 38.0

86 66.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 5.116 min Scan# 511

Delta R.T. 0.012 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 96 Resp: 62710

Ion Ratio Lower Upper

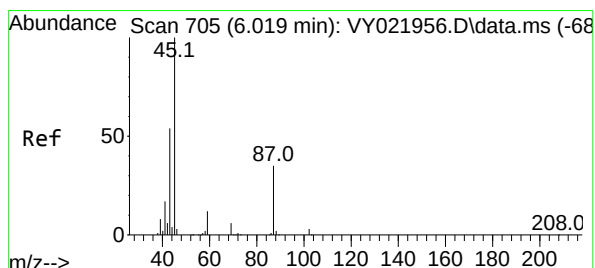
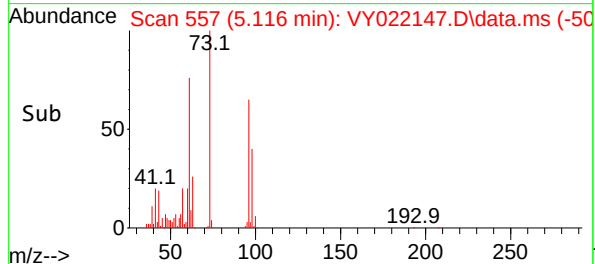
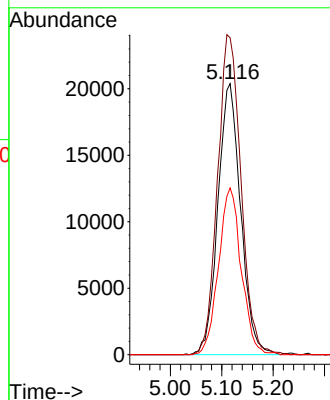
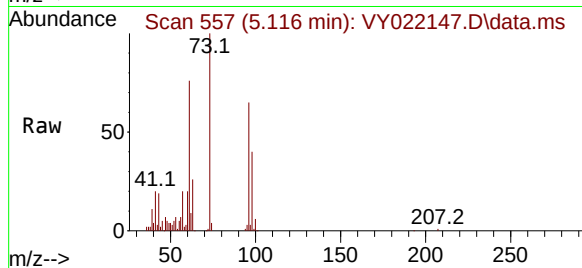
96 100

61 117.0 92.6 138.8

98 61.5 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#22

Diisopropyl ether

Concen: 20.152 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion: 45 Resp: 147220

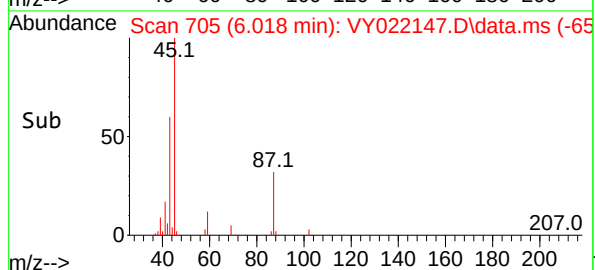
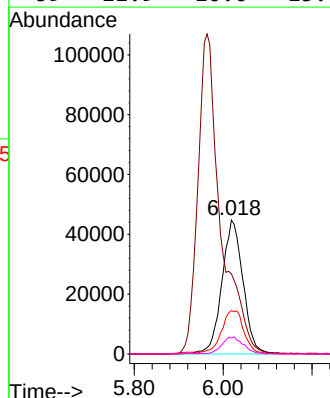
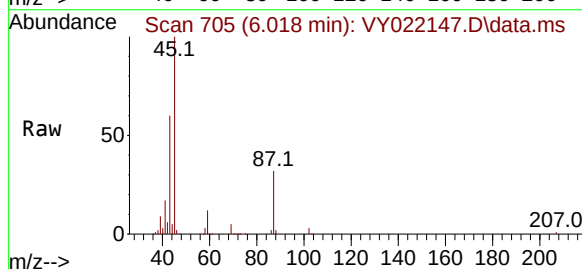
Ion Ratio Lower Upper

45 100

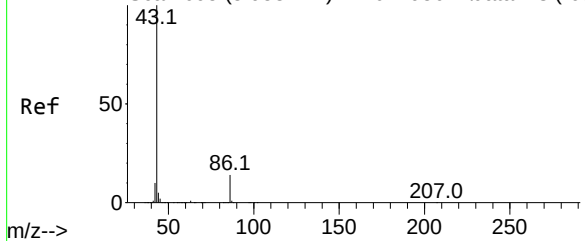
43 59.3 43.6 65.4

87 32.4 28.2 42.4

59 11.9 10.0 15.0



Abundance Scan 695 (5.958 min): VY021956.D\data.ms (-68



#23

Vinyl Acetate

Concen: 96.815 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

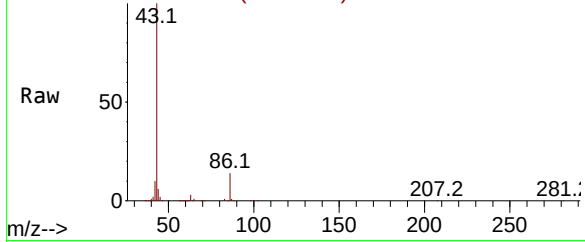
Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Abundance Scan 696 (5.964 min): VY022147.D\data.ms



Tgt Ion: 43 Resp: 381169

Ion Ratio Lower Upper

43 100

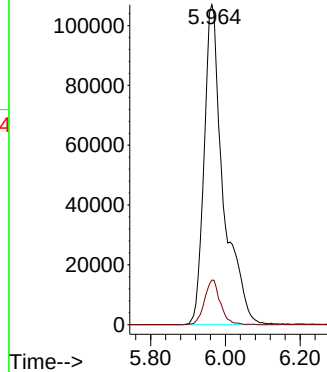
86 14.0 11.1 16.7

Manual Integrations

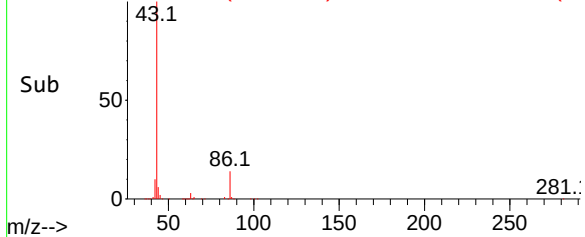
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

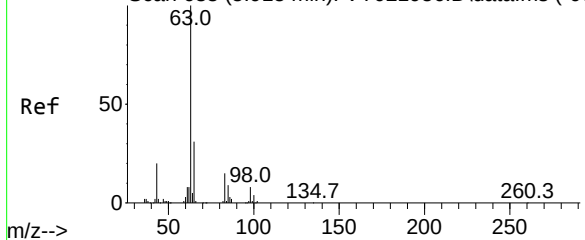
Abundance



Abundance Scan 696 (5.964 min): VY022147.D\data.ms (-64



Abundance Scan 688 (5.915 min): VY021956.D\data.ms (-67



#24

1,1-Dichloroethane

Concen: 20.147 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 102019

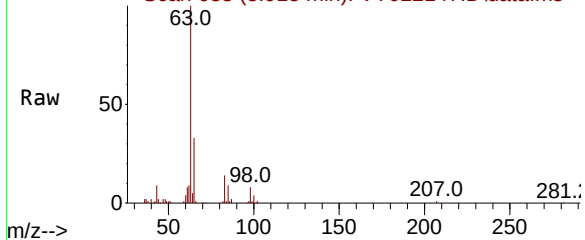
Ion Ratio Lower Upper

63 100

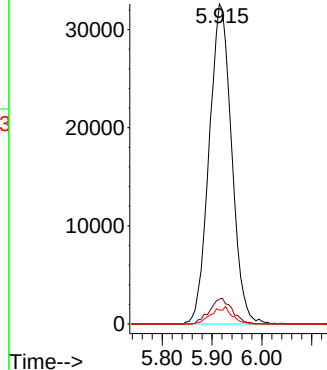
98 7.8 4.0 11.9

100 4.4 2.0 6.0

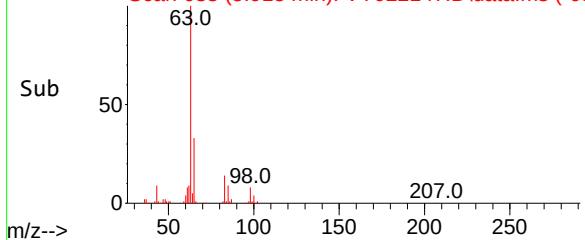
Abundance Scan 688 (5.915 min): VY022147.D\data.ms

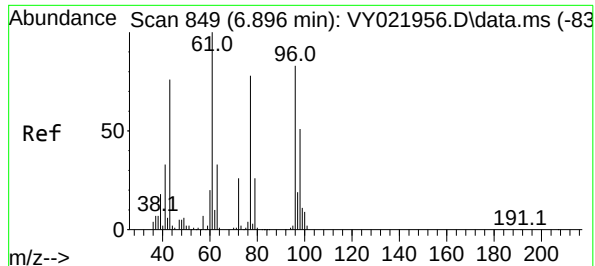


Abundance



Abundance Scan 688 (5.915 min): VY022147.D\data.ms (-63





#25

2-Butanone

Concen: 92.124 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 43 Resp: 55008

Ion Ratio Lower Upper

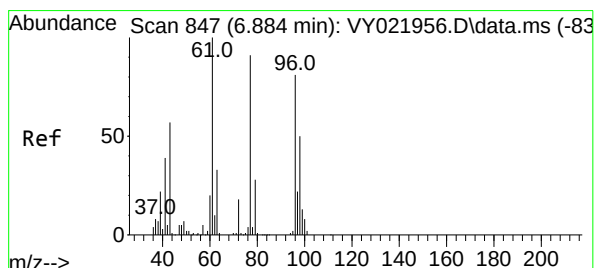
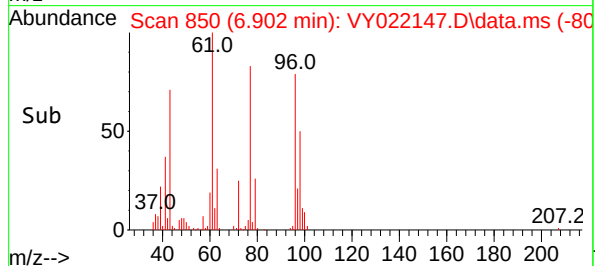
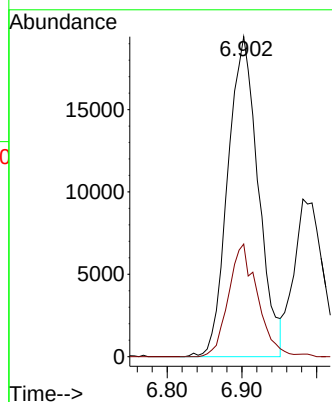
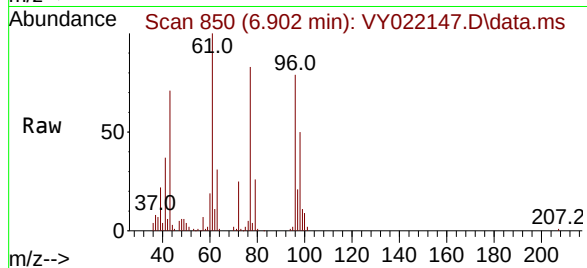
43 100

72 35.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#26

2,2-Dichloropropane

Concen: 21.170 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022147.D

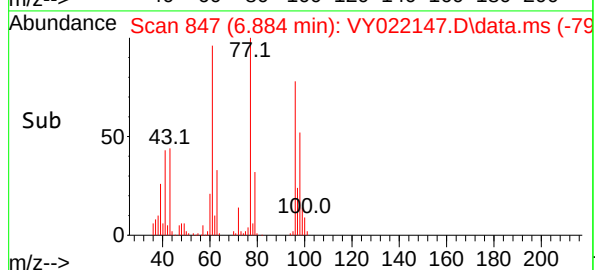
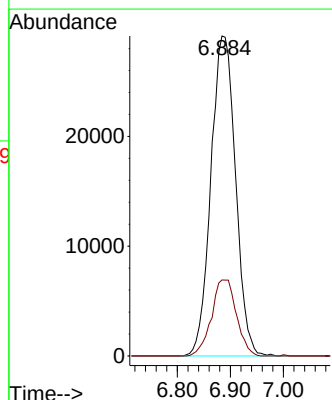
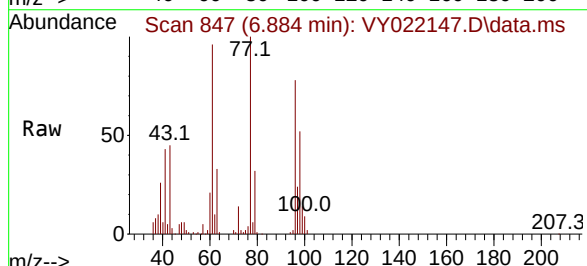
Acq: 05 May 2025 09:55

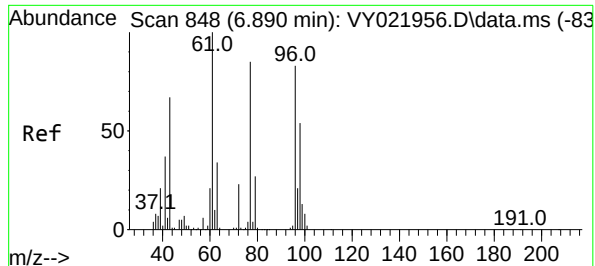
Tgt Ion: 77 Resp: 93959

Ion Ratio Lower Upper

77 100

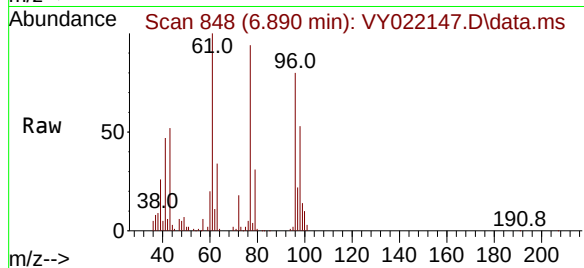
97 24.1 12.4 37.4





#27
 cis-1,2-Dichloroethene
 Concen: 19.828 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY022147.D
 Acq: 05 May 2025 09:55

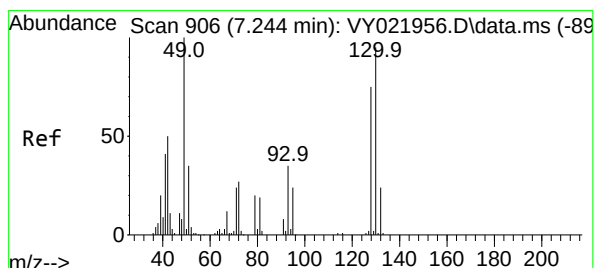
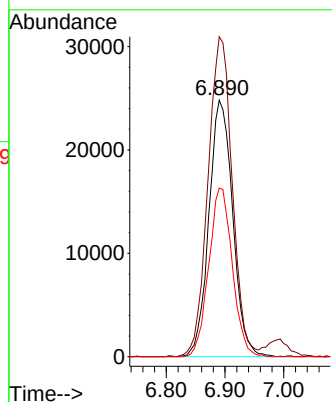
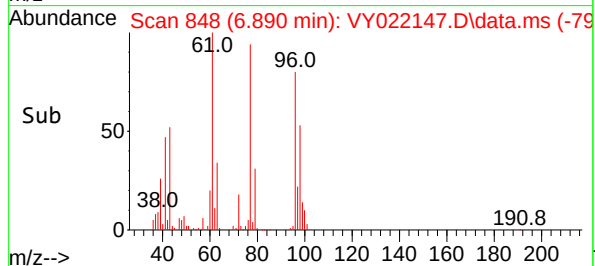
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01



Tgt Ion: 96 Resp: 7000
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 251.4
 98 64.8 0.0 128.4

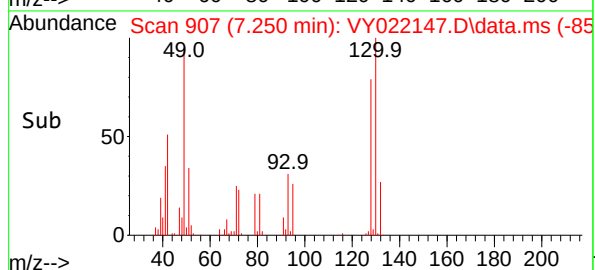
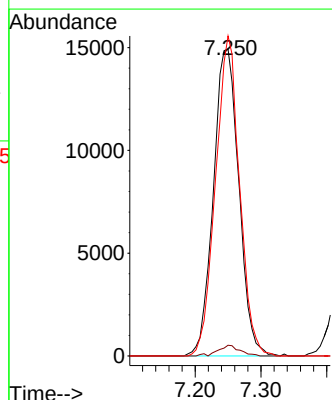
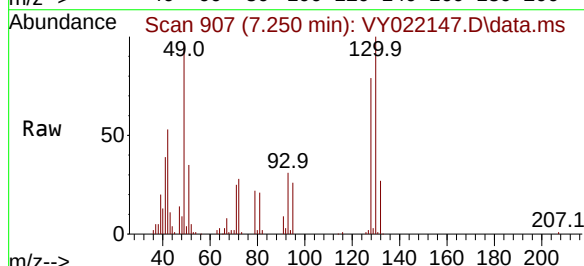
Manual Integrations
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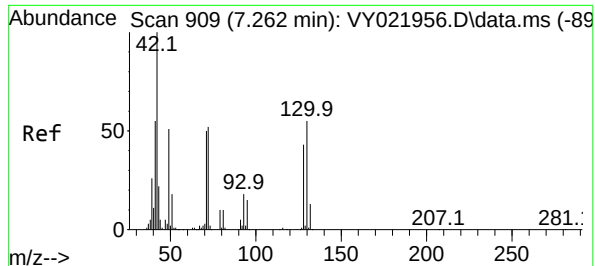
Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#28
 Bromochloromethane
 Concen: 20.490 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY022147.D
 Acq: 05 May 2025 09:55

Tgt Ion: 49 Resp: 40301
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.0
 130 98.0 78.2 117.4





#29

Tetrahydrofuran

Concen: 94.466 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 42 Resp: 3663

Ion Ratio Lower Upper

42 100

72 53.3 42.6 63.8

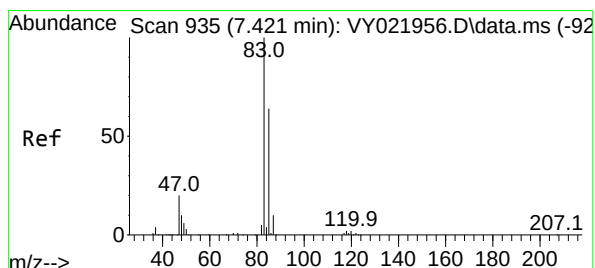
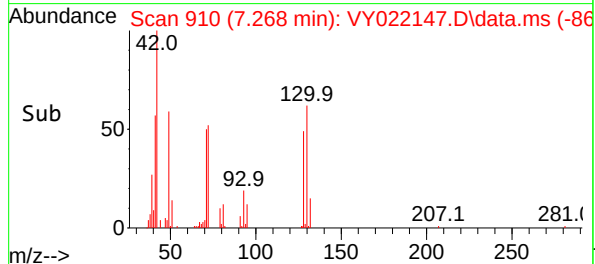
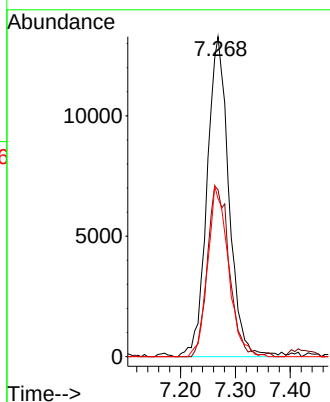
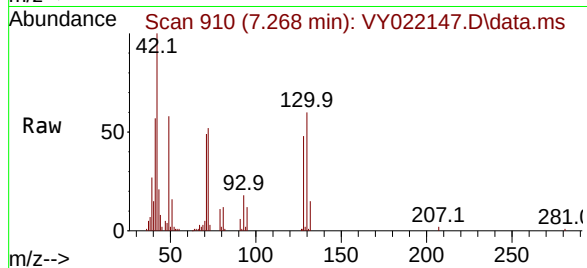
71 51.1 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#30

Chloroform

Concen: 20.282 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022147.D

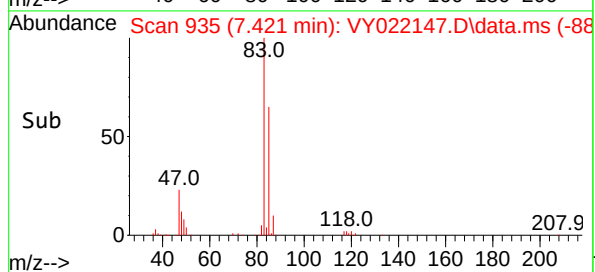
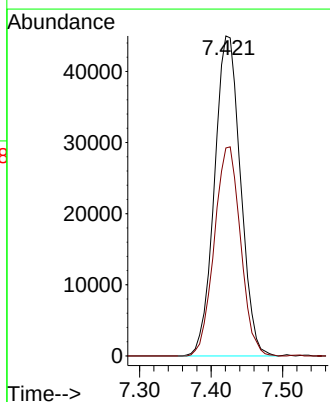
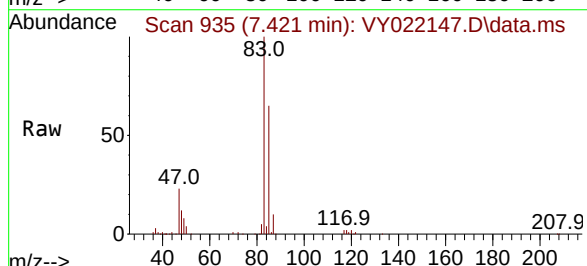
Acq: 05 May 2025 09:55

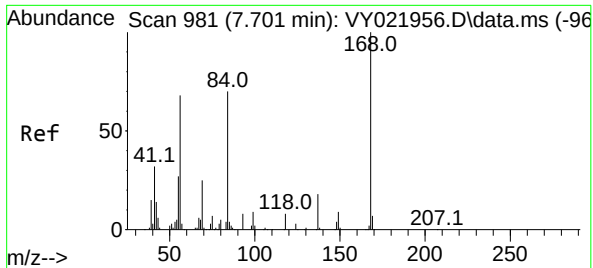
Tgt Ion: 83 Resp: 113922

Ion Ratio Lower Upper

83 100

85 65.0 51.3 76.9





#31

Cyclohexane

Concen: 19.784 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 56 Resp: 85669

Ion Ratio Lower Upper

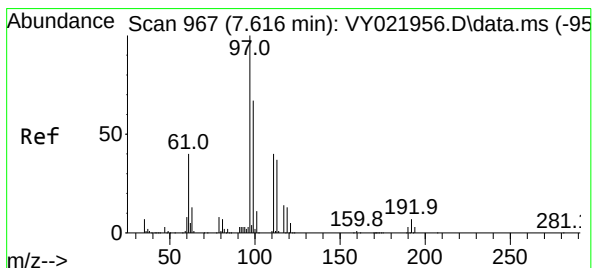
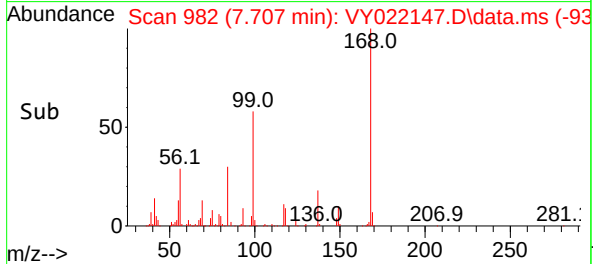
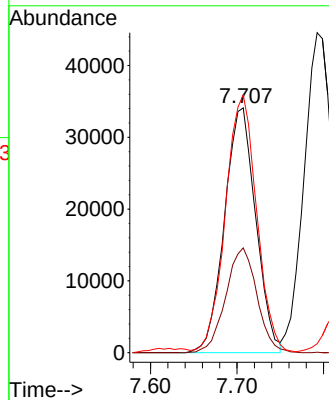
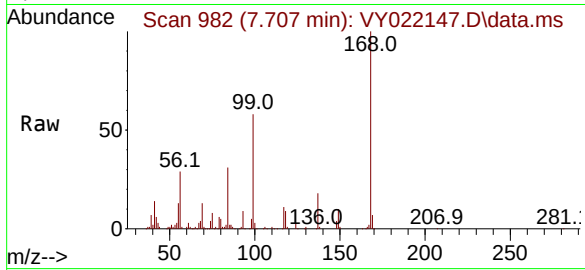
56 100

69 42.8 29.4 44.2

84 103.7 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#32

1,1,1-Trichloroethane

Concen: 20.792 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

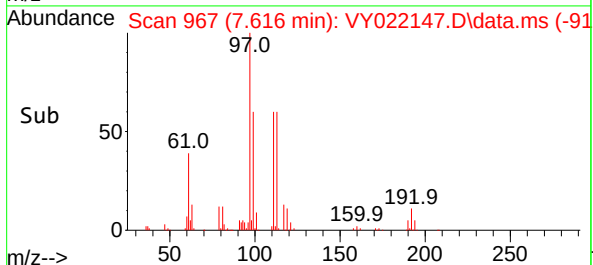
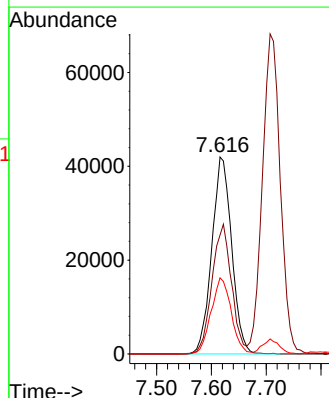
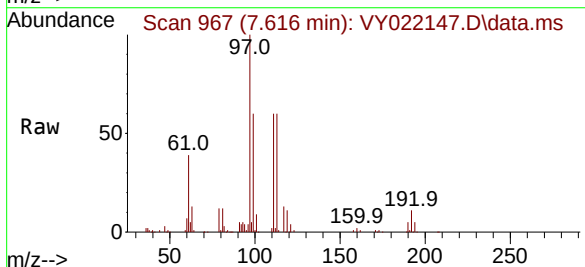
Tgt Ion: 97 Resp: 105659

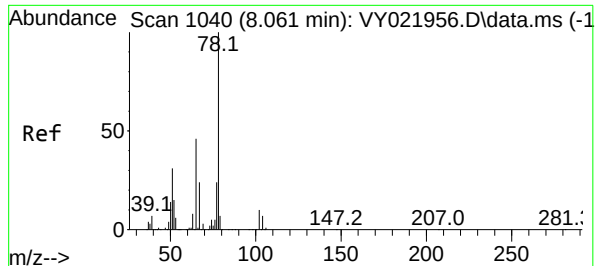
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 39.1 31.4 47.2





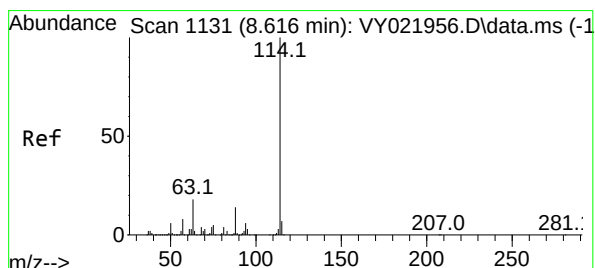
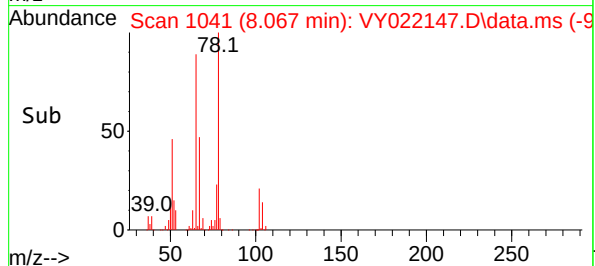
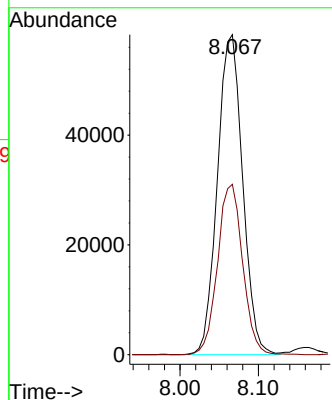
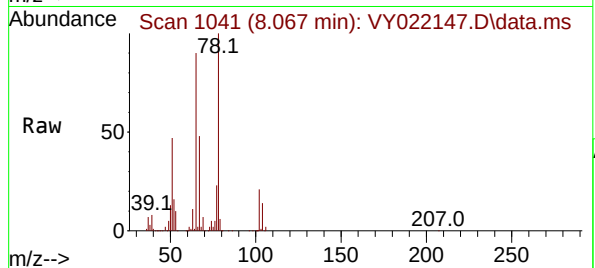
#33
1,2-Dichloroethane-d4
Concen: 49.911 ug/l
RT: 8.067 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 65 Resp: 13074
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

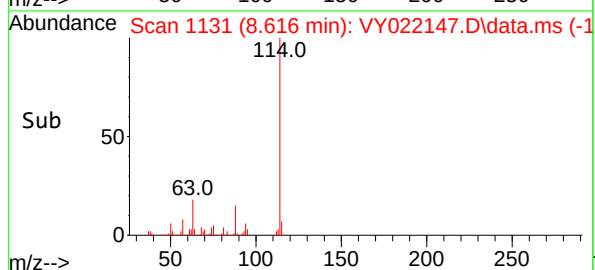
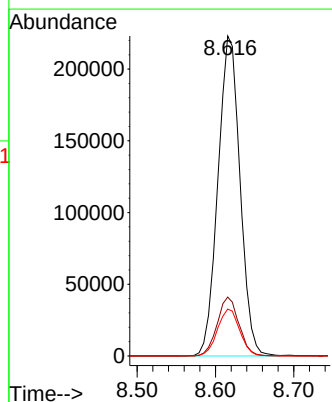
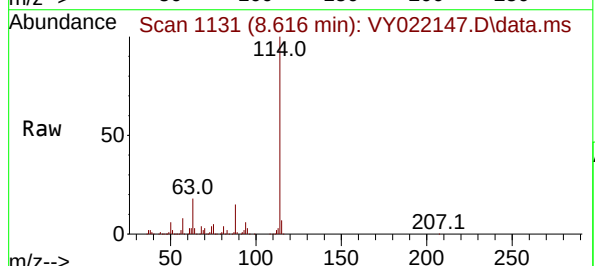
Manual Integrations
APPROVED

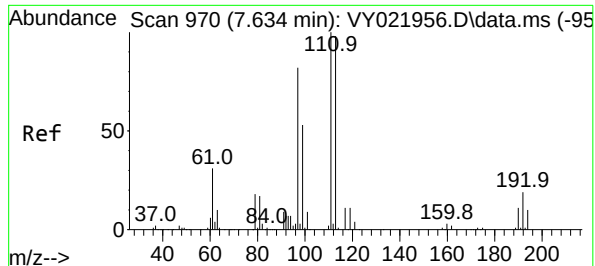
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:114 Resp: 437631
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.4
88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.386 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:113 Resp: 14278

Ion Ratio Lower Upper

113 100

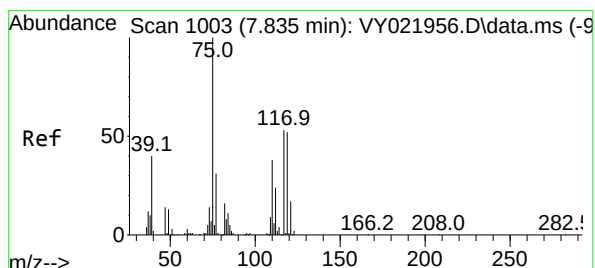
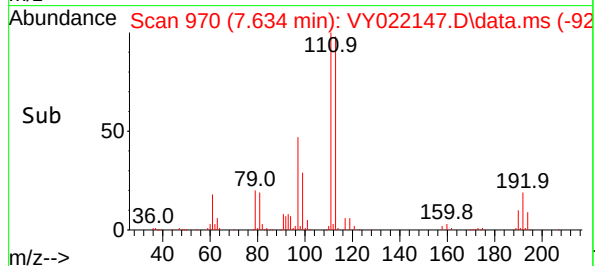
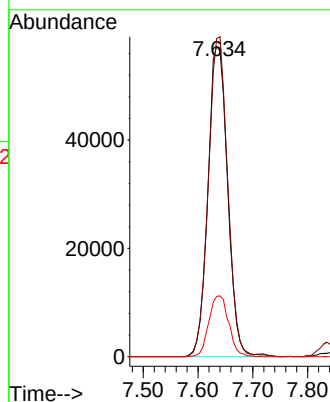
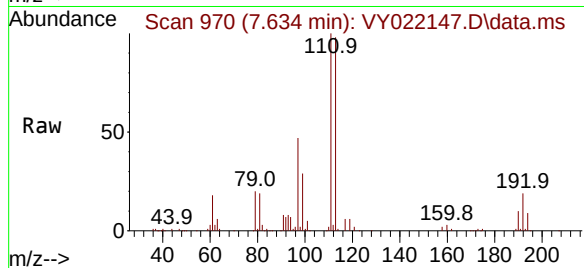
111 101.0 81.8 122.8

192 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#36

1,1-Dichloropropene

Concen: 20.383 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

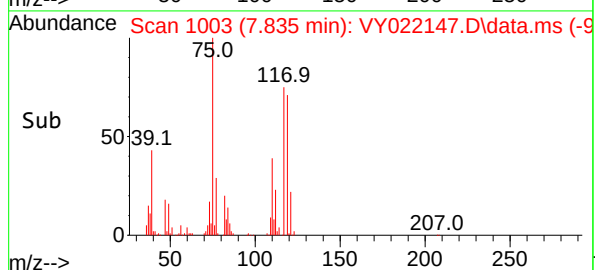
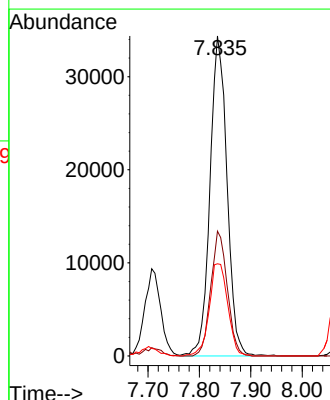
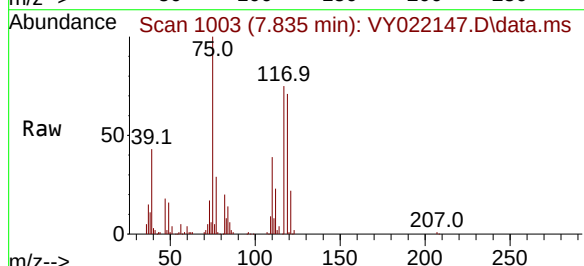
Tgt Ion: 75 Resp: 79161

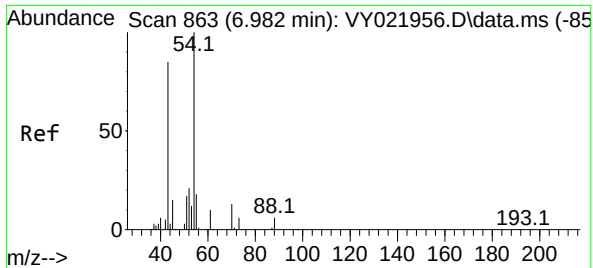
Ion Ratio Lower Upper

75 100

110 37.8 19.1 57.3

77 31.4 25.5 38.3





#37

Ethyl Acetate

Concen: 18.778 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

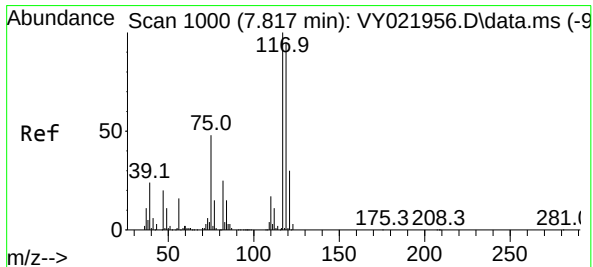
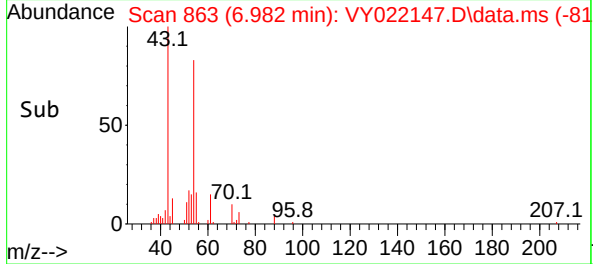
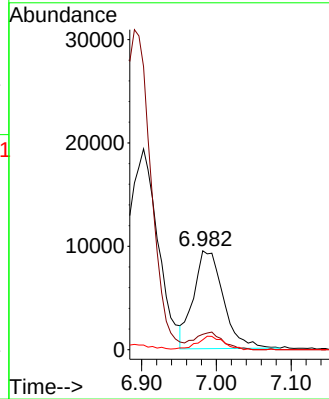
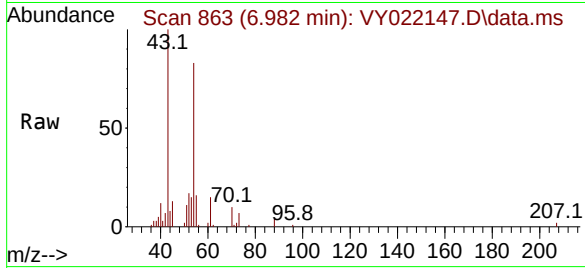
VY0505SBS01

Tgt Ion:	43	Resp:	26192
Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.6
70	12.3	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#38

Carbon Tetrachloride

Concen: 21.100 ug/l

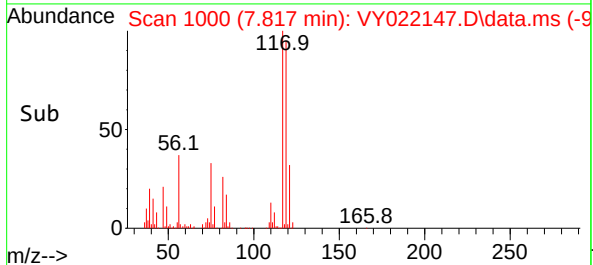
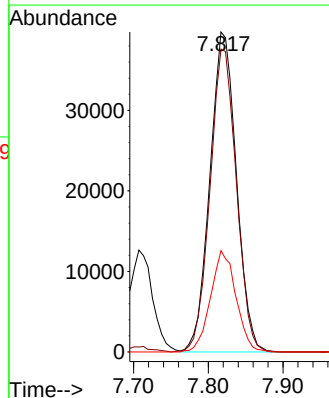
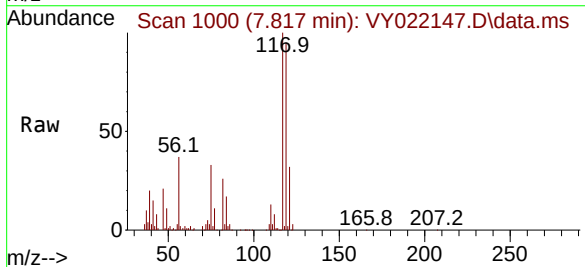
RT: 7.817 min Scan# 1000

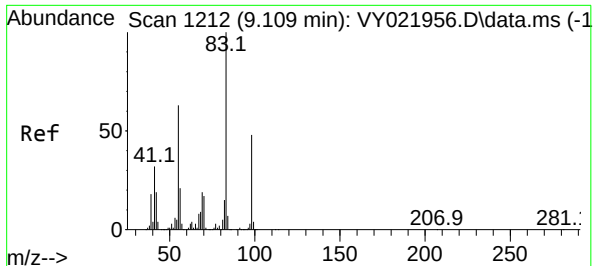
Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion:	117	Resp:	97921
Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.4
121	31.7	24.0	36.0





#39

Methylcyclohexane

Concen: 19.723 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 83 Resp: 9639

Ion Ratio Lower Upper

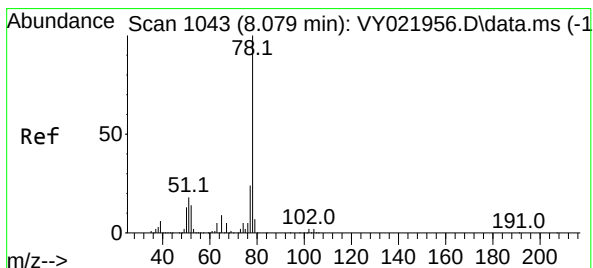
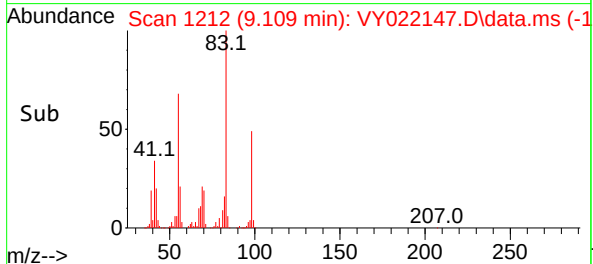
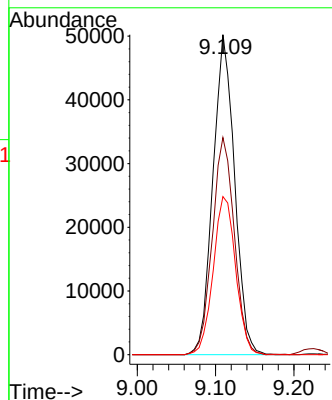
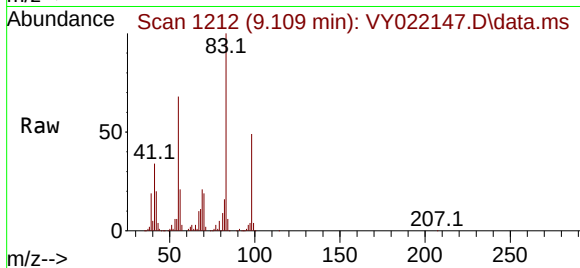
83 100

55 67.9 50.6 75.8

98 49.4 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#40

Benzene

Concen: 20.191 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022147.D

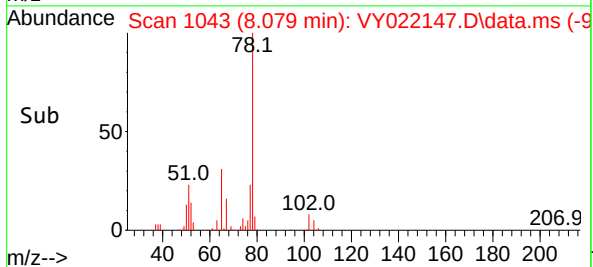
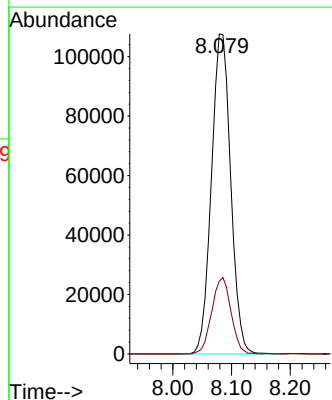
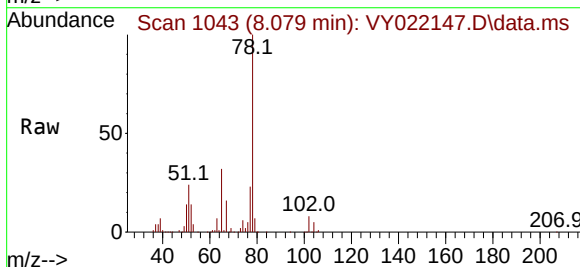
Acq: 05 May 2025 09:55

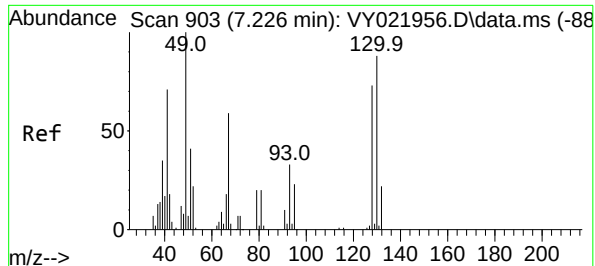
Tgt Ion: 78 Resp: 245125

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9





#41

Methacrylonitrile

Concen: 17.581 ug/l

RT: 7.226 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 41 Resp: 1340

Ion Ratio Lower Upper

41 100

39 54.8 36.6 55.0

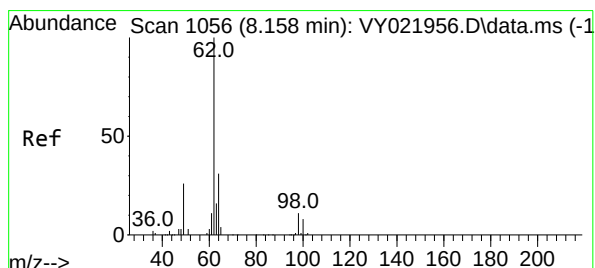
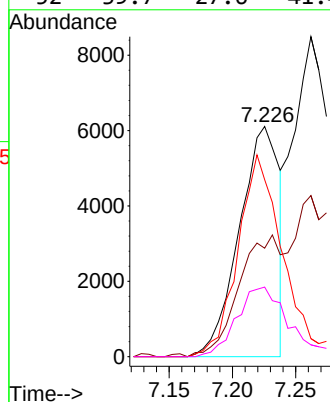
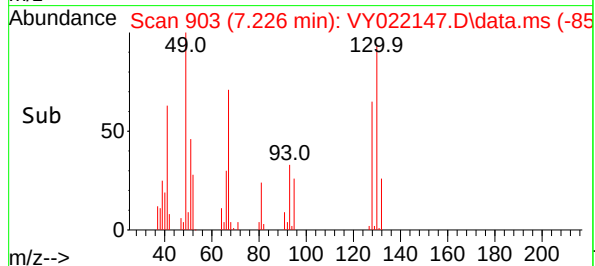
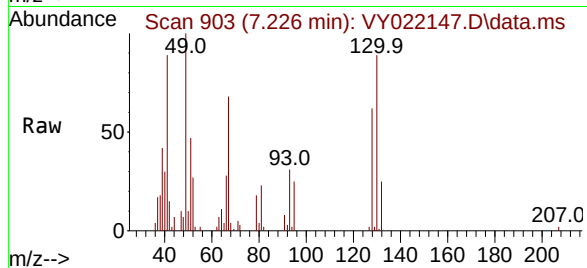
67 97.8 72.2 108.4

52 39.7 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#42

1,2-Dichloroethane

Concen: 20.983 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022147.D

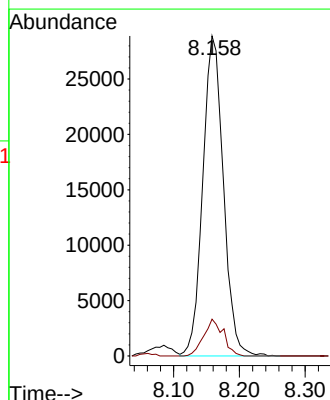
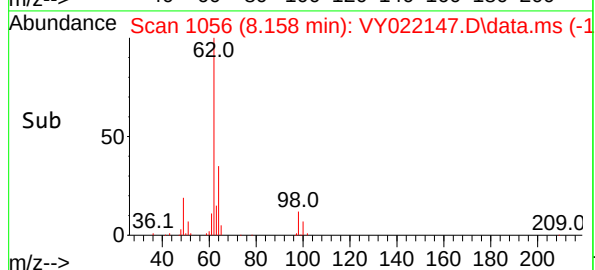
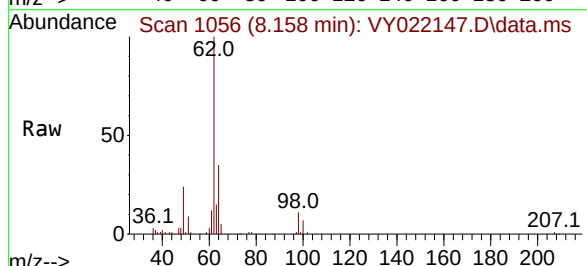
Acq: 05 May 2025 09:55

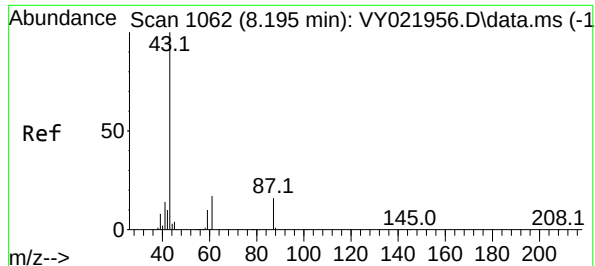
Tgt Ion: 62 Resp: 63069

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.211 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

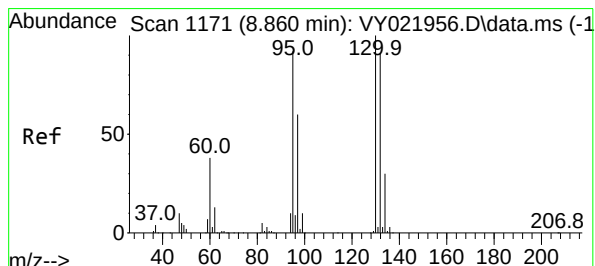
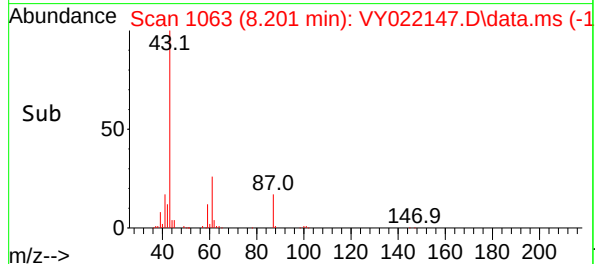
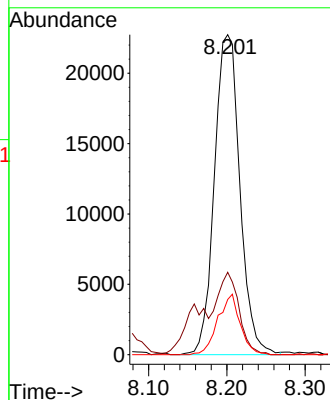
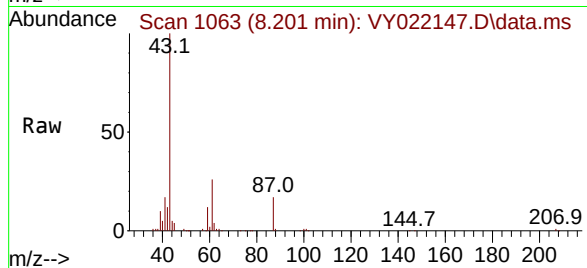
VY0505SBS01

Tgt Ion:	43	Resp:	5146
Ion Ratio	Lower	Upper	
43	100		
61	22.7	18.9	28.3
87	16.6	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#44

Trichloroethene

Concen: 20.727 ug/l

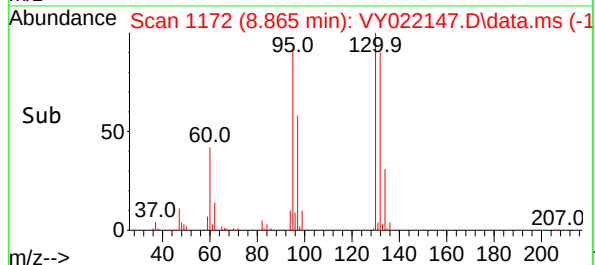
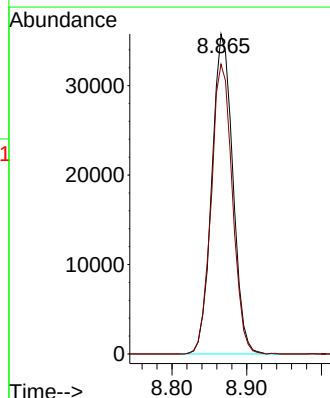
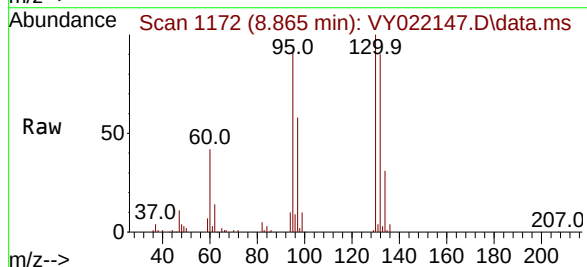
RT: 8.865 min Scan# 1172

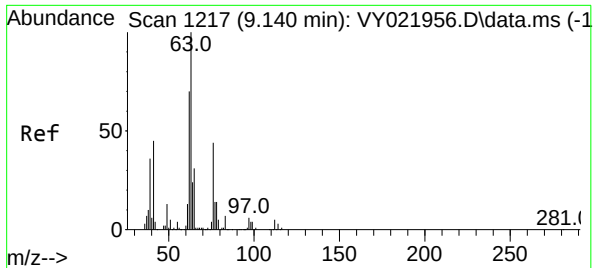
Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion:	130	Resp:	69699
Ion Ratio	Lower	Upper	
130	100		
95	90.6	0.0	183.2





#45

1,2-Dichloropropane

Concen: 20.315 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 63 Resp: 54540

Ion Ratio Lower Upper

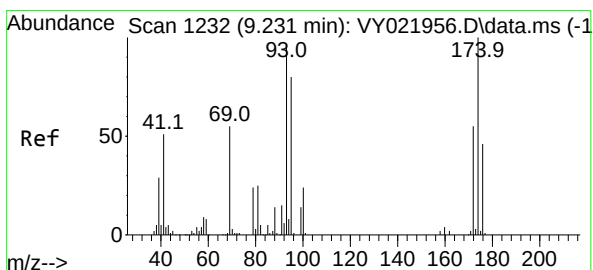
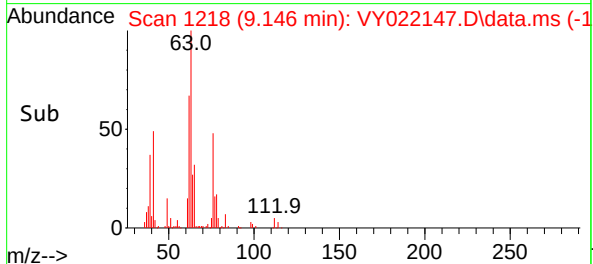
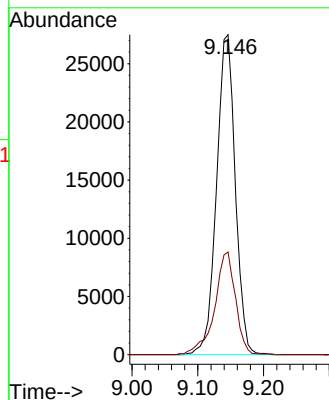
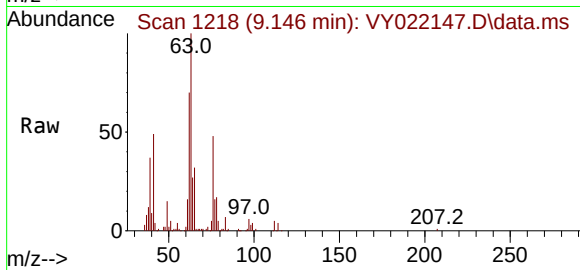
63 100

65 32.1 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#46

Dibromomethane

Concen: 20.079 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

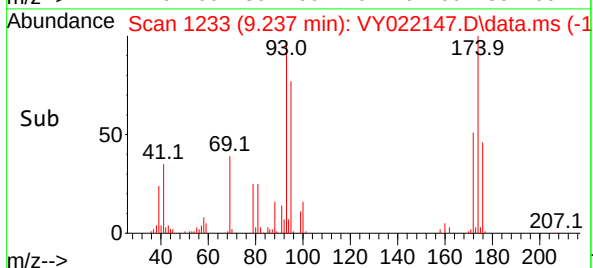
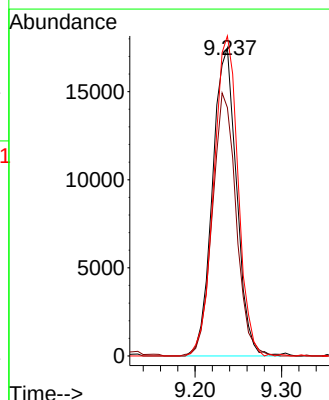
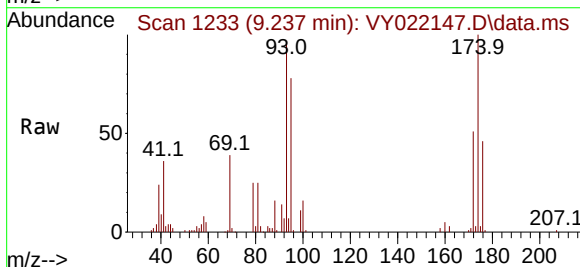
Tgt Ion: 93 Resp: 33746

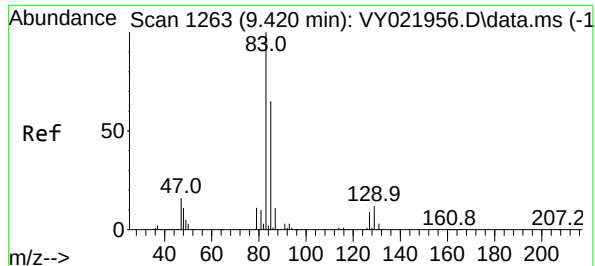
Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 104.3 84.6 127.0





#47

Bromodichloromethane

Concen: 20.515 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

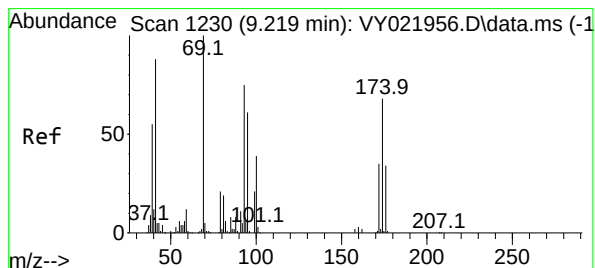
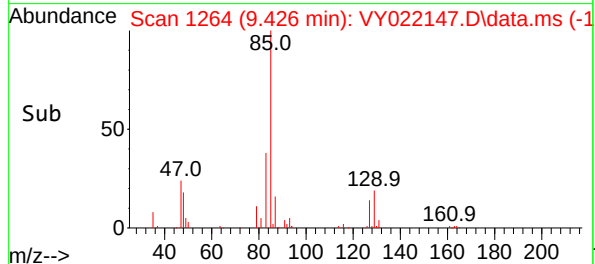
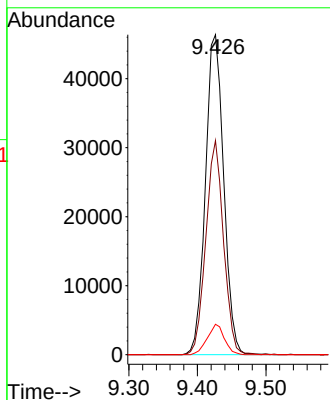
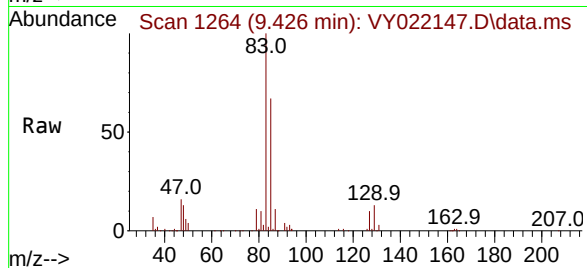
VY0505SBS01

Tgt Ion:	83	Resp:	86130
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.8	77.8
127	9.5	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#48

Methyl methacrylate

Concen: 19.301 ug/l

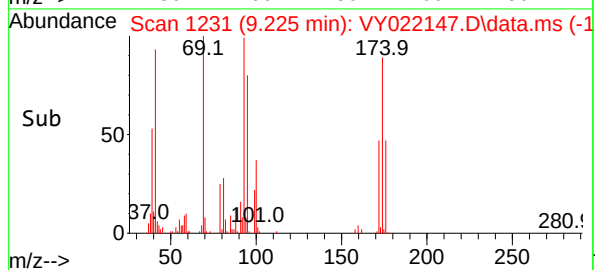
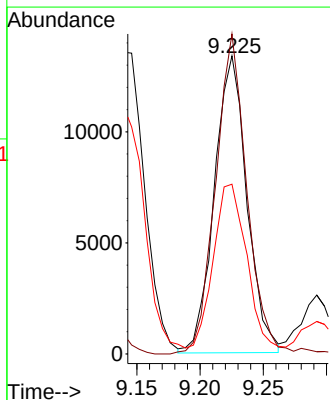
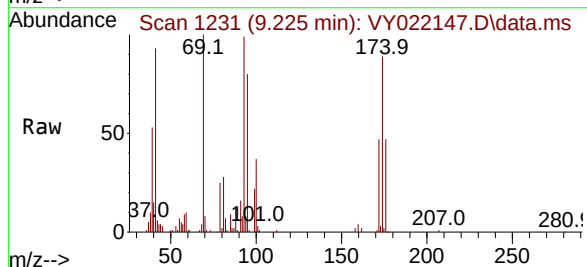
RT: 9.225 min Scan# 1231

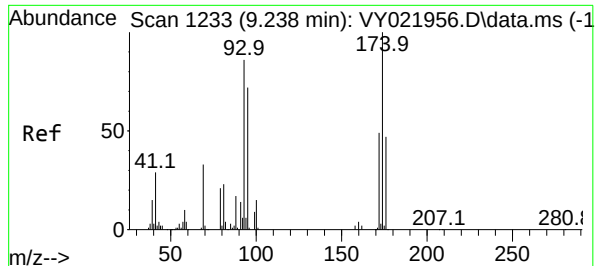
Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion:	41	Resp:	23901
Ion Ratio	Lower	Upper	
41	100		
69	103.4	85.5	128.3
39	56.1	46.2	69.4





#49

1,4-Dioxane

Concen: 358.012 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 88 Resp: 641

Ion Ratio Lower Upper

88 100

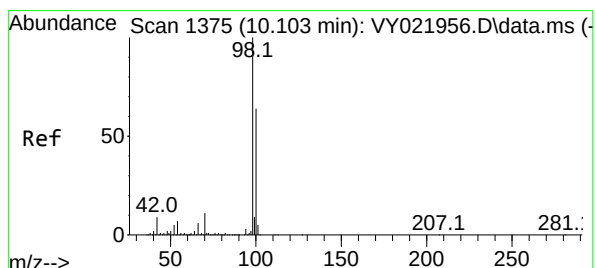
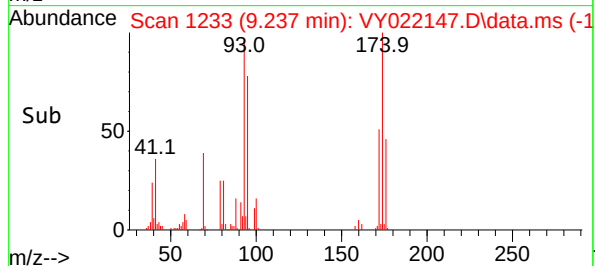
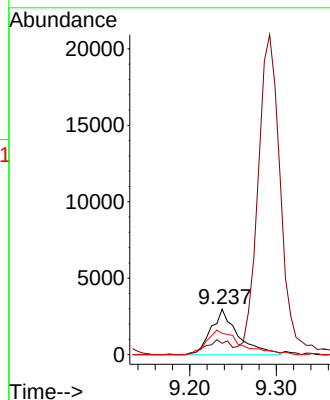
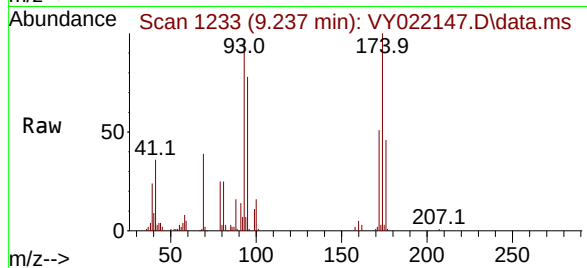
43 28.7 21.3 31.9

58 68.0 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#50

Toluene-d8

Concen: 48.941 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022147.D

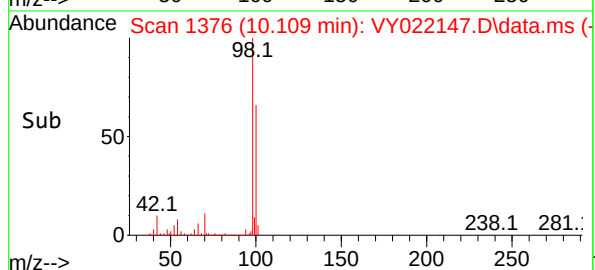
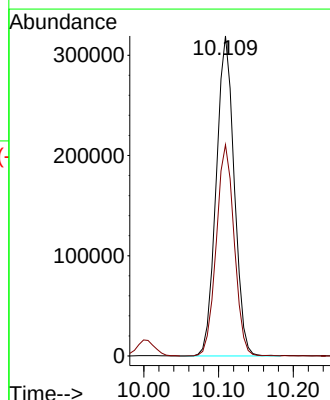
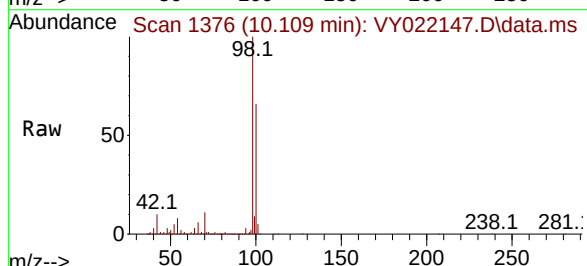
Acq: 05 May 2025 09:55

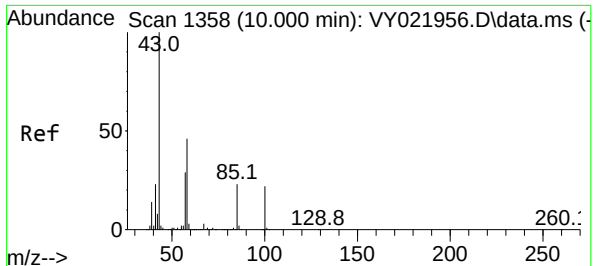
Tgt Ion: 98 Resp: 533457

Ion Ratio Lower Upper

98 100

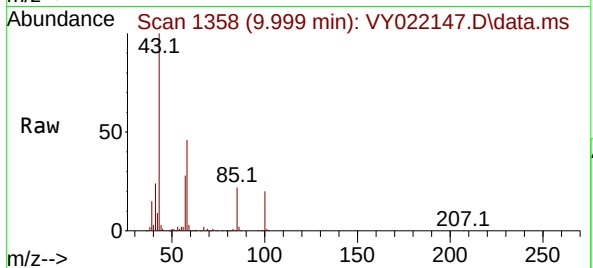
100 65.5 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 95.622 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

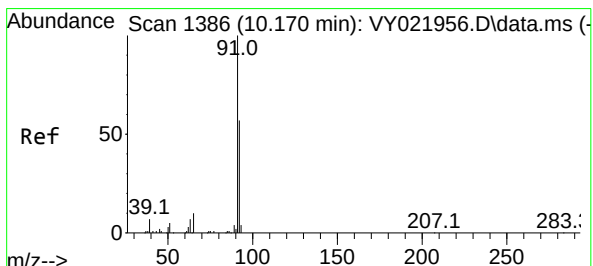
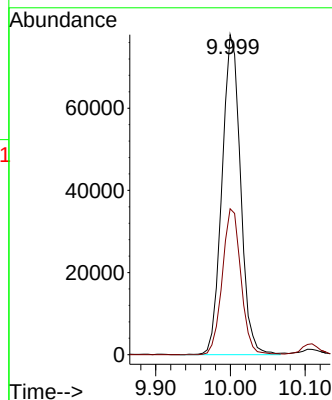
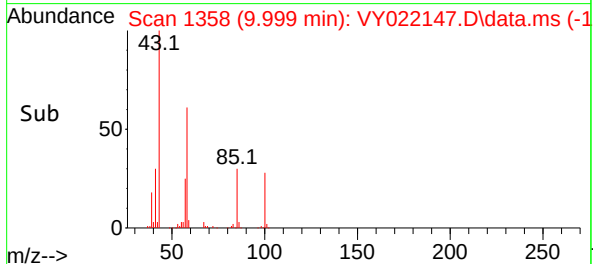
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 43 Resp: 13427
Ion Ratio Lower Upper
43 100
58 45.8 36.6 55.0

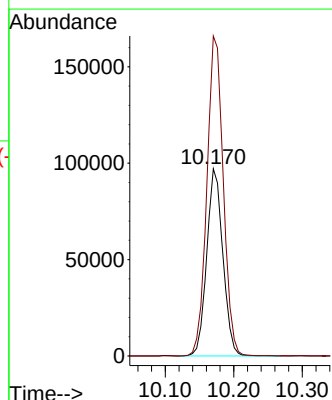
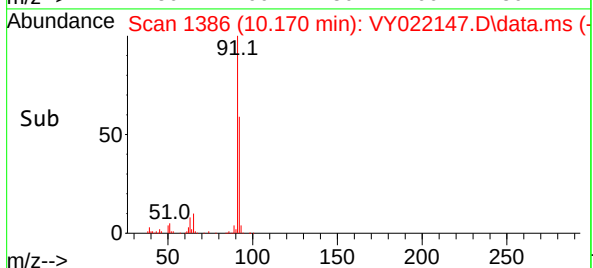
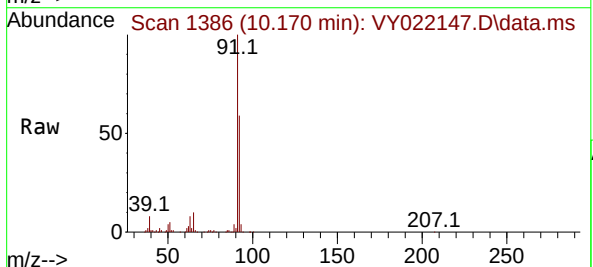
Manual Integrations
APPROVED

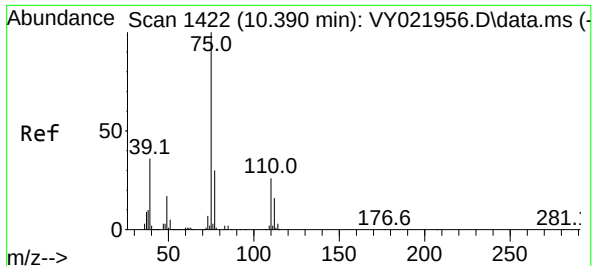
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#52
Toluene
Concen: 20.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

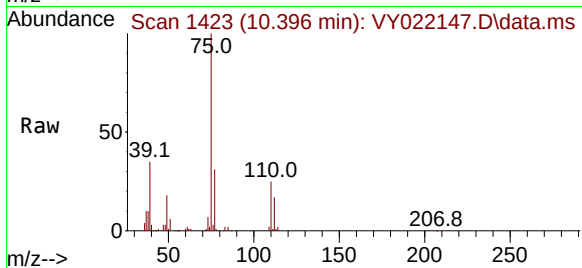
Tgt Ion: 92 Resp: 158982
Ion Ratio Lower Upper
92 100
91 174.1 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 20.194 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

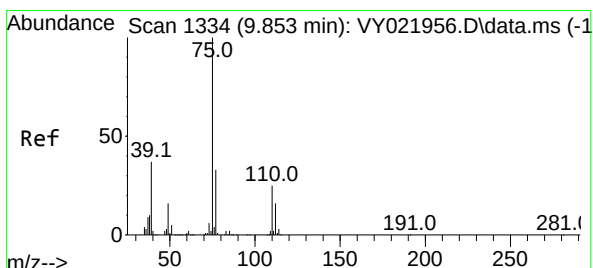
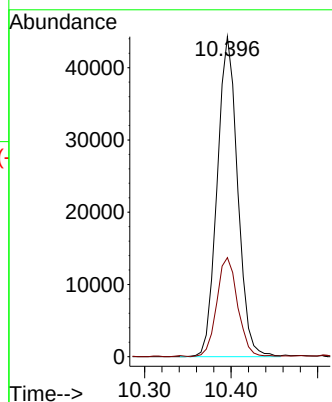
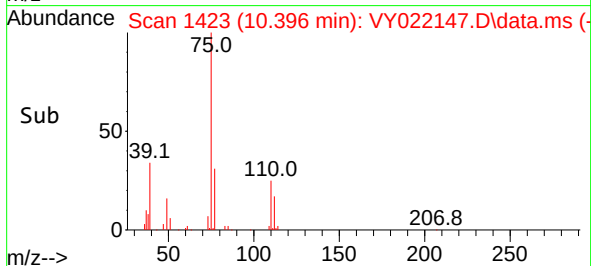
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



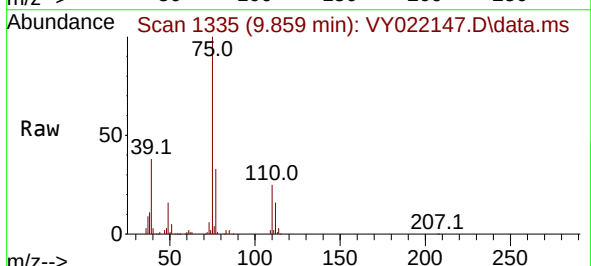
Tgt Ion: 75 Resp: 72724
Ion Ratio Lower Upper
75 100
77 30.7 24.0 36.0

Manual Integrations
APPROVED

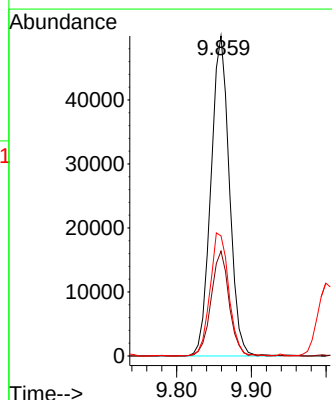
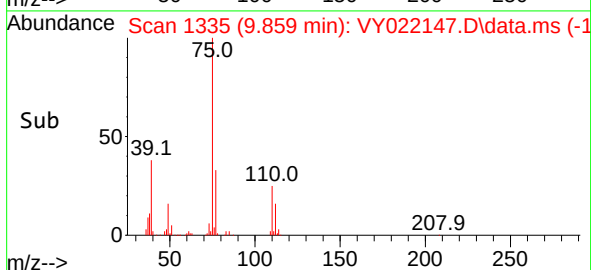
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

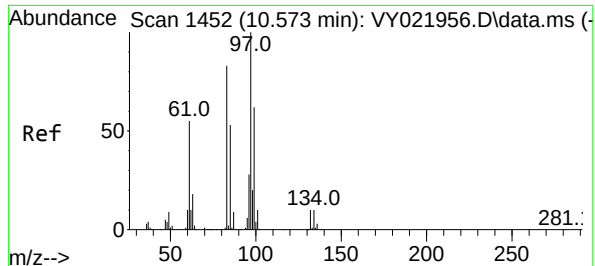


#54
cis-1,3-Dichloropropene
Concen: 20.017 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



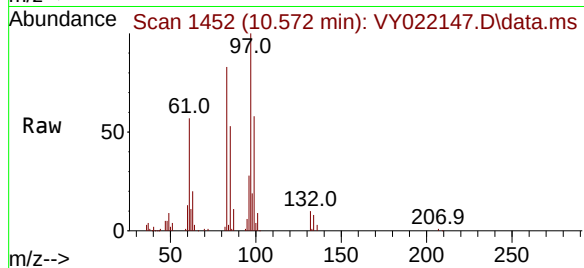
Tgt Ion: 75 Resp: 85689
Ion Ratio Lower Upper
75 100
77 32.8 26.6 40.0
39 37.4 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.329 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

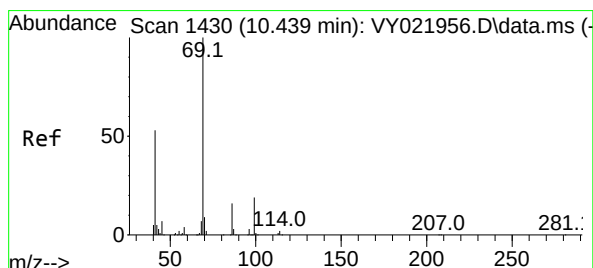
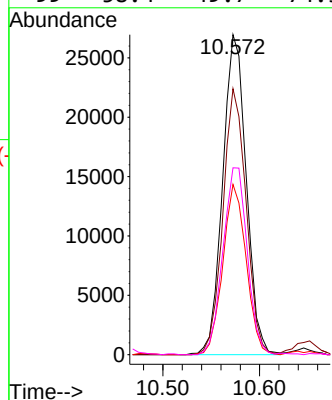
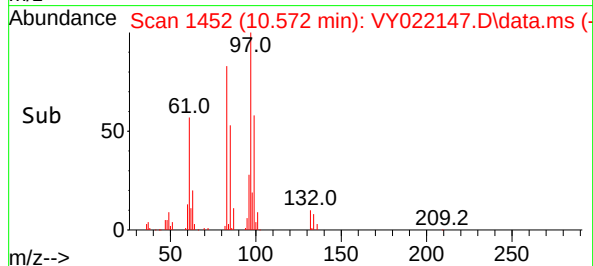
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



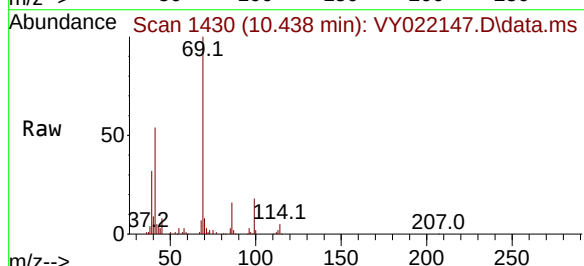
Tgt Ion: 97 Resp: 4563
Ion Ratio Lower Upper
97 100
83 83.1 66.7 100.1
85 53.2 42.6 64.0
99 58.4 49.7 74.5

Manual Integrations
APPROVED

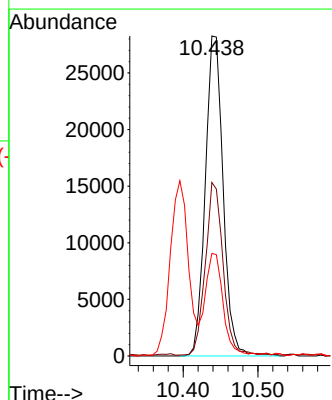
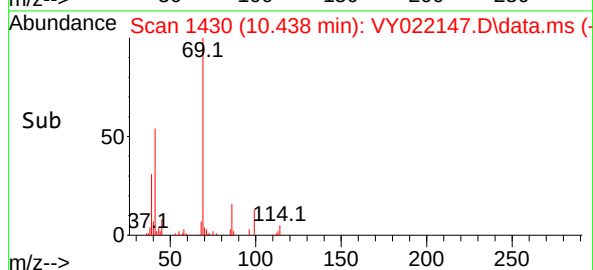
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

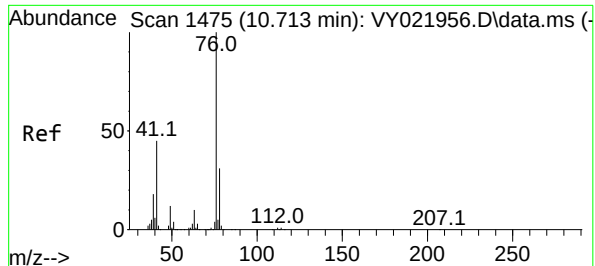


#56
Ethyl methacrylate
Concen: 18.264 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



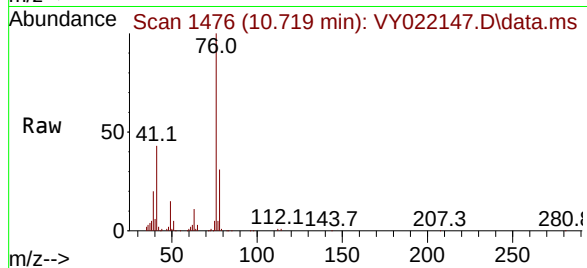
Tgt Ion: 69 Resp: 46887
Ion Ratio Lower Upper
69 100
41 53.4 40.7 61.1
39 30.8 23.3 34.9





#57
1,3-Dichloropropane
Concen: 20.052 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

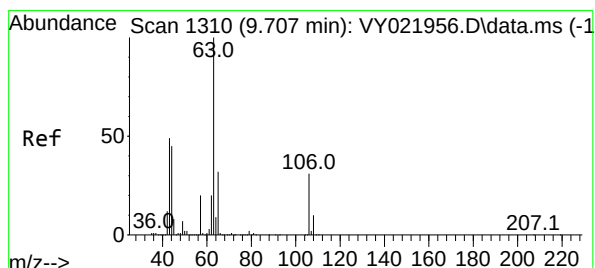
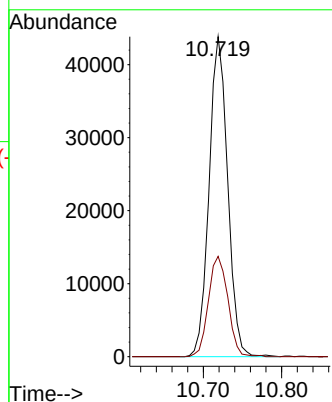
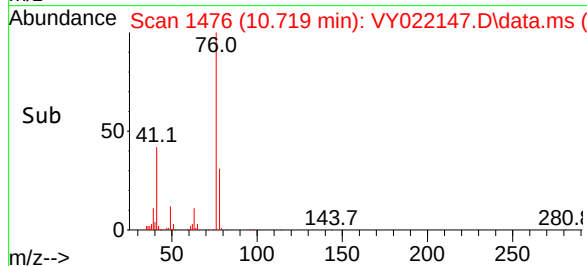
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 76 Resp: 72160
Ion Ratio Lower Upper
76 100
78 32.9 26.6 39.8

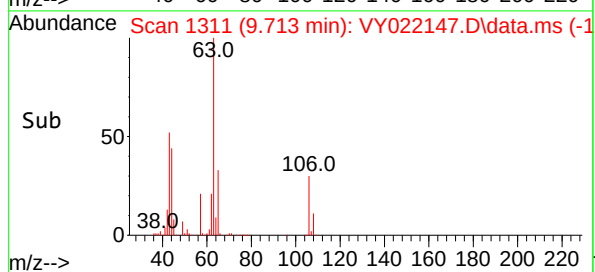
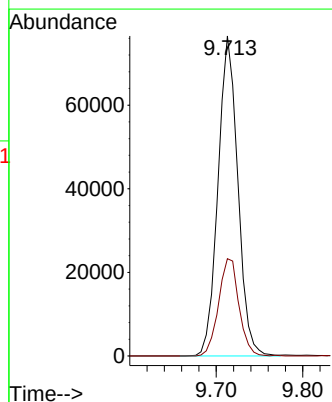
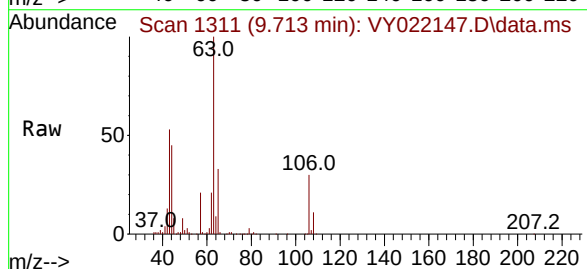
Manual Integrations
APPROVED

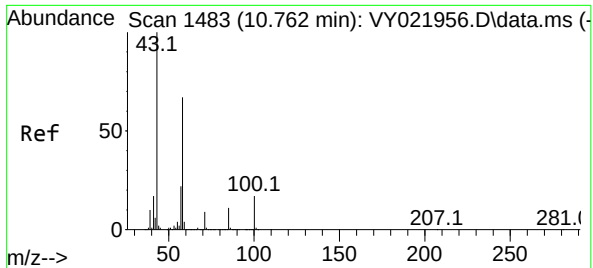
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#58
2-Chloroethyl Vinyl ether
Concen: 96.924 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

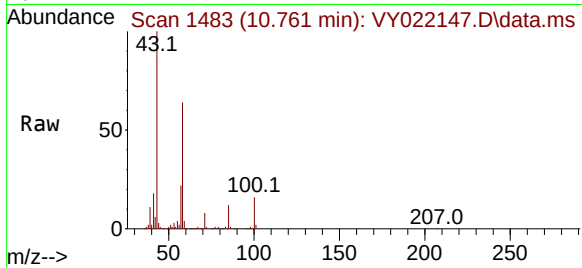
Tgt Ion: 63 Resp: 121659
Ion Ratio Lower Upper
63 100
106 31.3 25.3 37.9





#59
2-Hexanone
Concen: 92.884 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

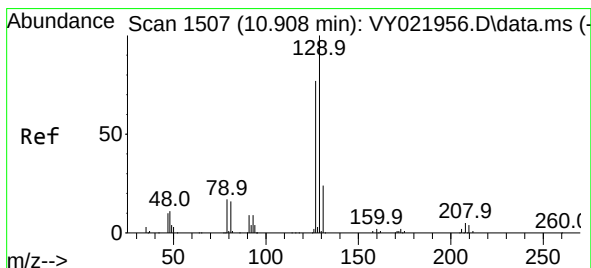
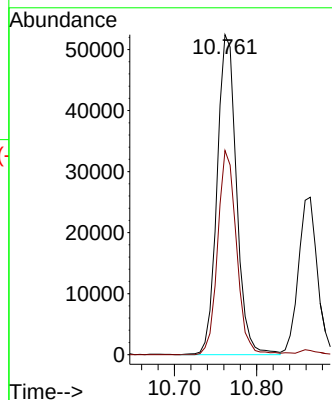
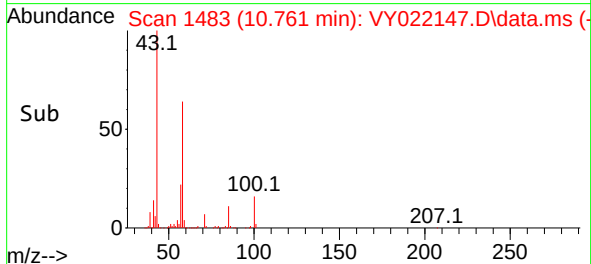
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 43 Resp: 8602
Ion Ratio Lower Upper
43 100
58 61.7 32.0 96.0

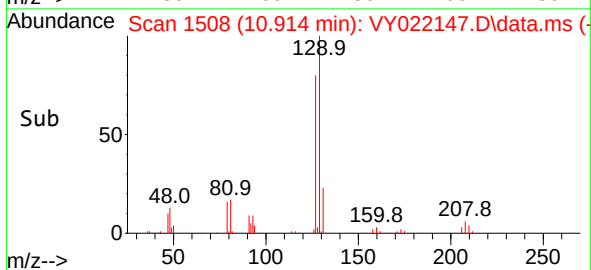
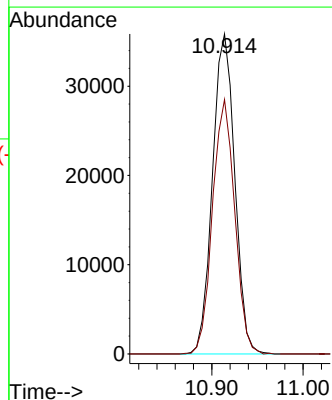
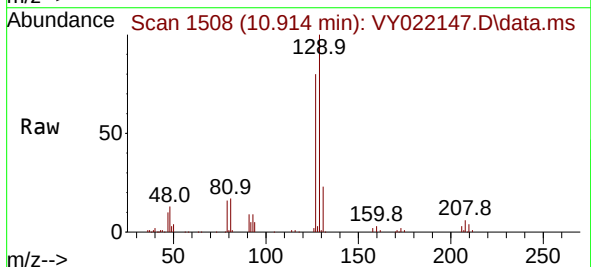
Manual Integrations
APPROVED

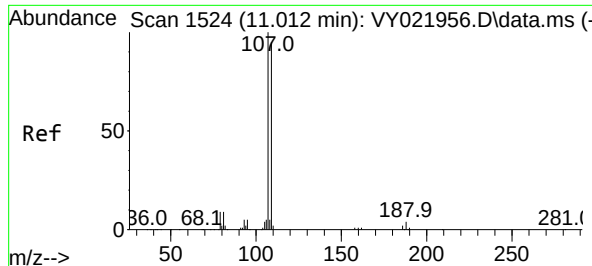
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#60
Dibromochloromethane
Concen: 19.509 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

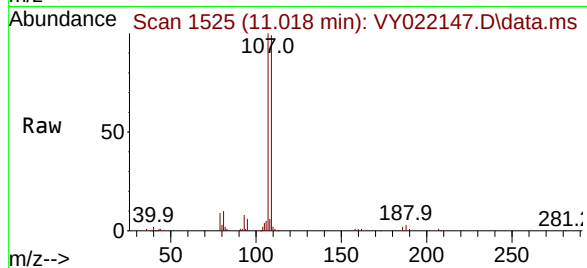
Tgt Ion:129 Resp: 60636
Ion Ratio Lower Upper
129 100
127 79.5 38.5 115.3





#61
1,2-Dibromoethane
Concen: 19.572 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

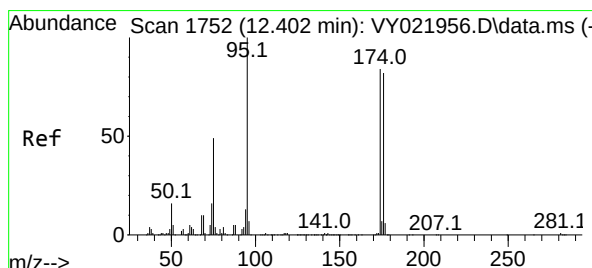
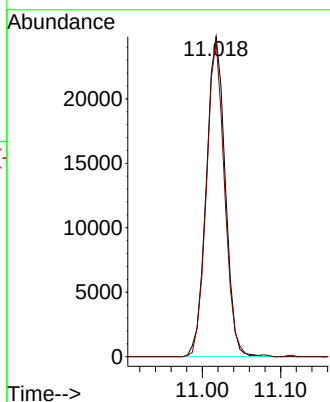
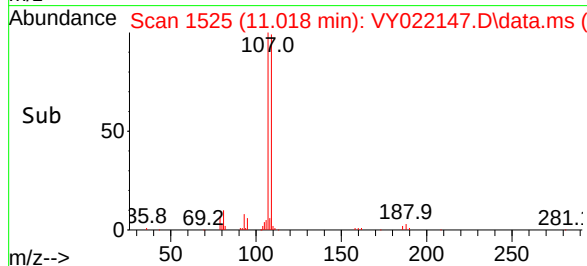
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



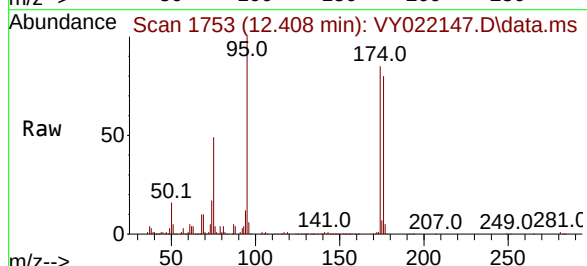
Tgt Ion:107 Resp: 41480
Ion Ratio Lower Upper
107 100
109 94.5 75.8 113.8

Manual Integrations
APPROVED

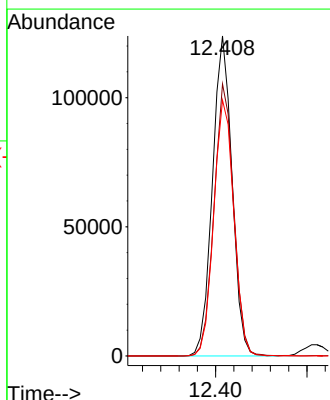
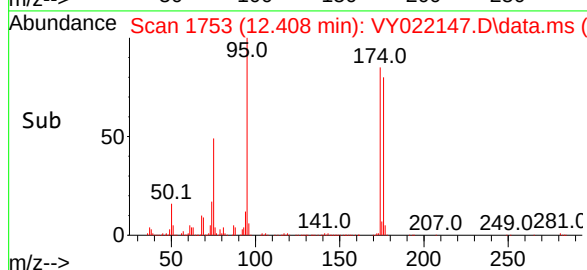
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

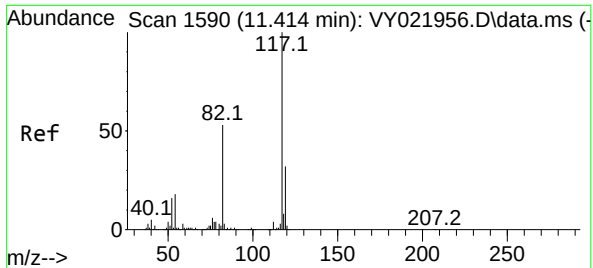


#62
4-Bromofluorobenzene
Concen: 50.125 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



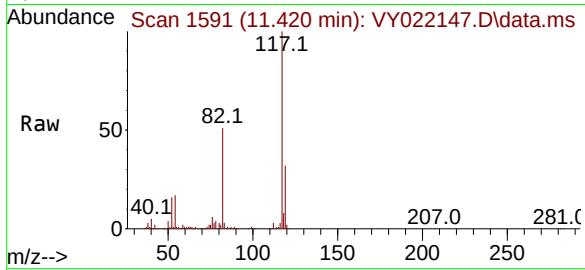
Tgt Ion: 95 Resp: 183926
Ion Ratio Lower Upper
95 100
174 85.6 0.0 179.0
176 82.2 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

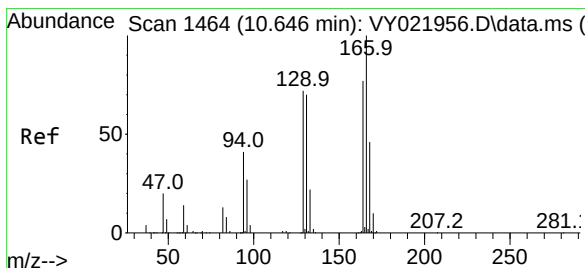
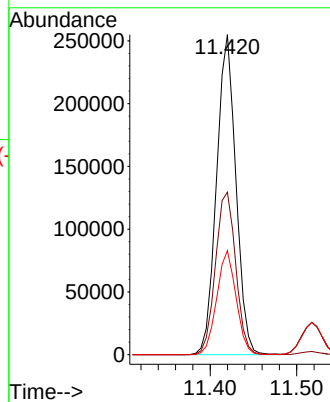
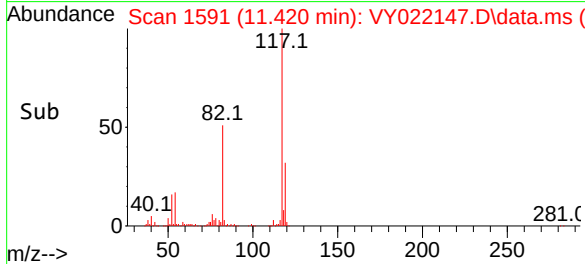
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



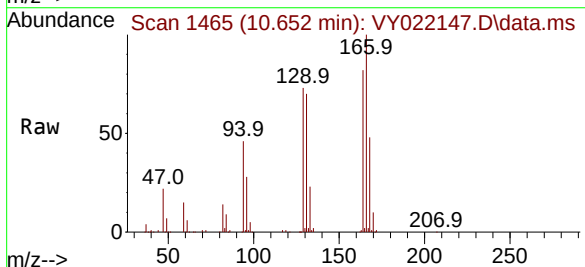
Tgt Ion:117 Resp: 39597
Ion Ratio Lower Upper
117 100
82 50.8 42.1 63.1
119 32.5 25.7 38.5

Manual Integrations
APPROVED

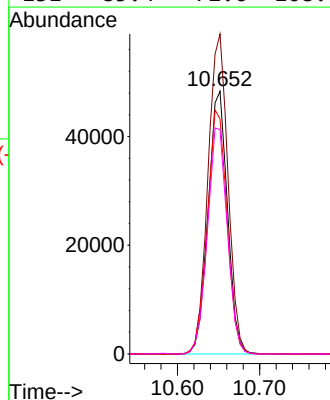
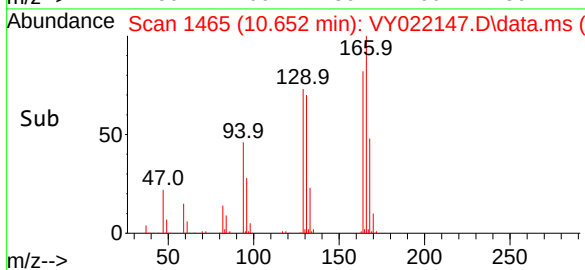
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

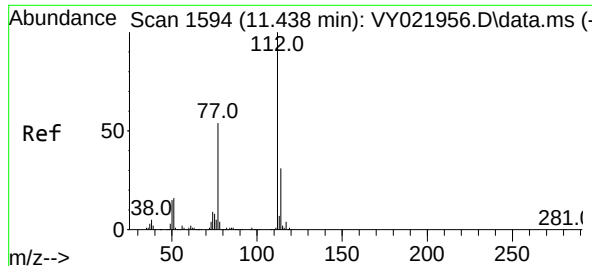


#64
Tetrachloroethene
Concen: 21.251 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



Tgt Ion:164 Resp: 79383
Ion Ratio Lower Upper
164 100
166 121.8 103.6 155.4
129 89.4 74.2 111.4
131 85.4 72.6 108.8





#65

Chlorobenzene

Concen: 20.038 ug/l

RT: 11.444 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:112 Resp: 177439

Ion Ratio Lower Upper

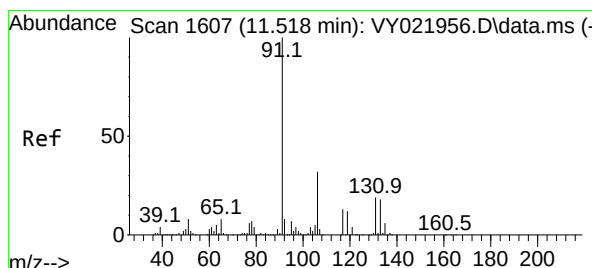
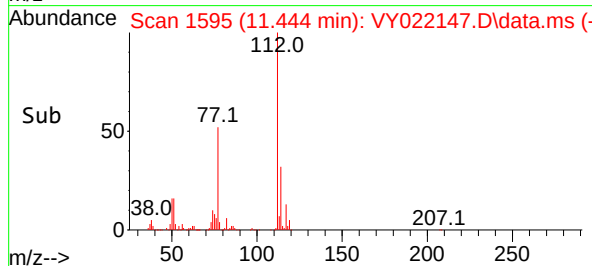
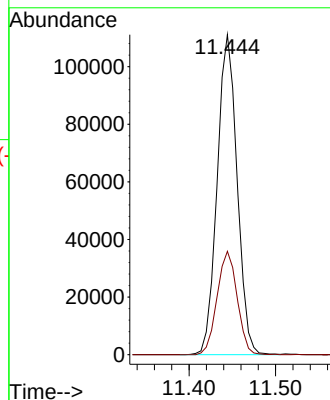
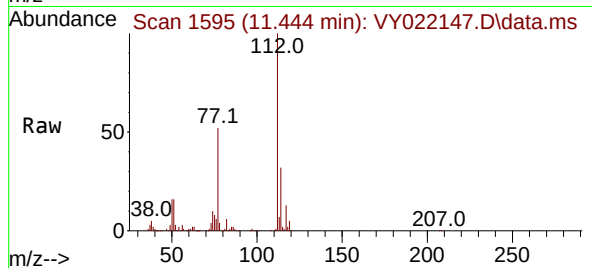
112 100

114 32.3 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.042 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

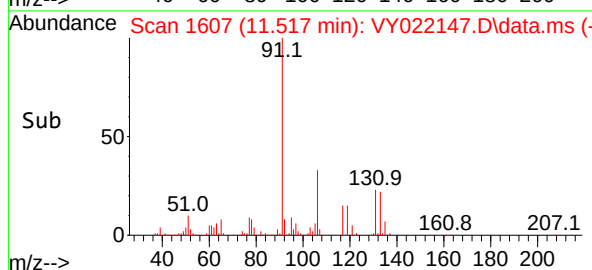
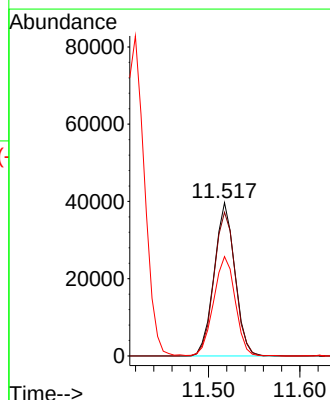
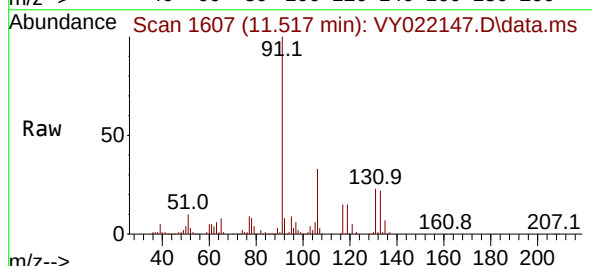
Tgt Ion:131 Resp: 62480

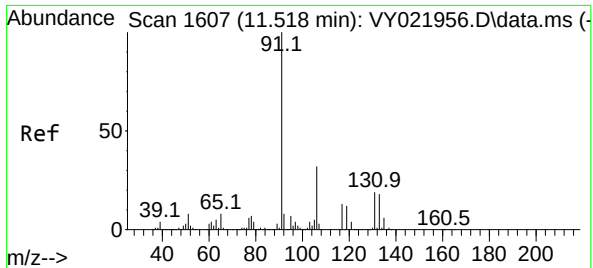
Ion Ratio Lower Upper

131 100

133 96.7 47.8 143.3

119 67.7 32.4 97.0





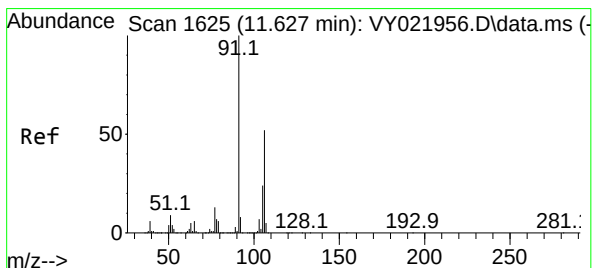
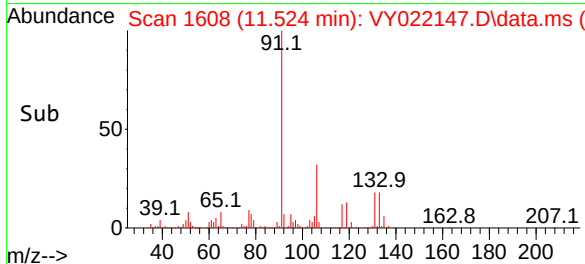
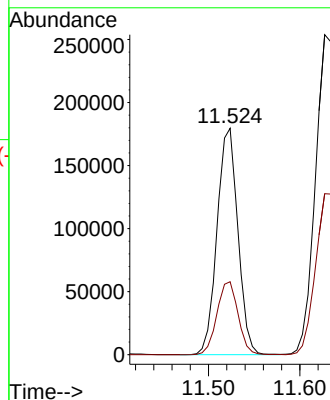
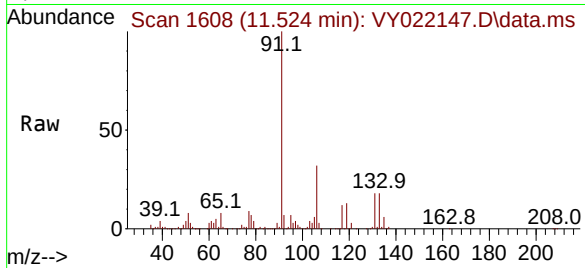
#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 91 Resp: 284474
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9

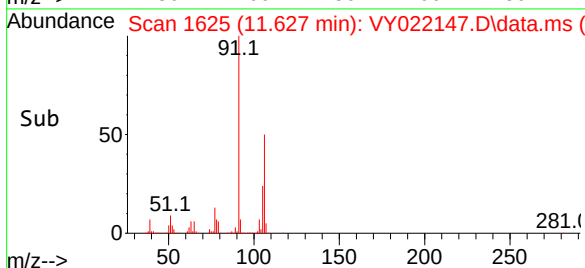
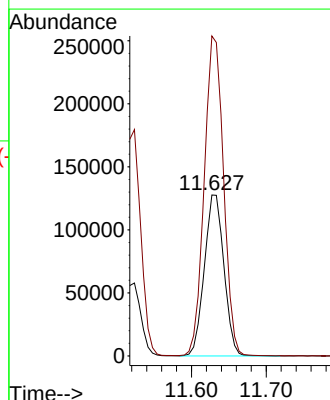
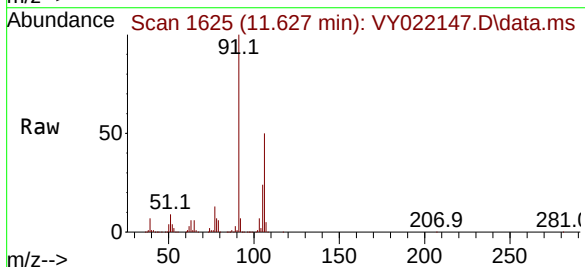
Manual Integrations
APPROVED

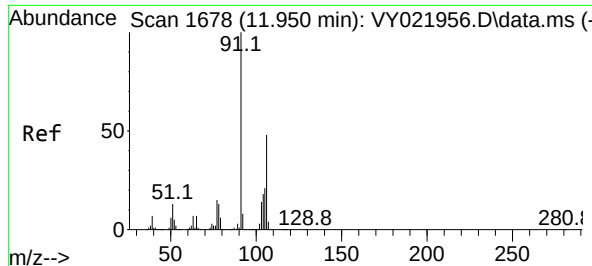
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#68
m/p-Xylenes
Concen: 40.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:106 Resp: 232280
Ion Ratio Lower Upper
106 100
91 196.4 156.2 234.2





#69

o-Xylene

Concen: 19.902 ug/l

RT: 11.956 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:106 Resp: 105732

Ion Ratio Lower Upper

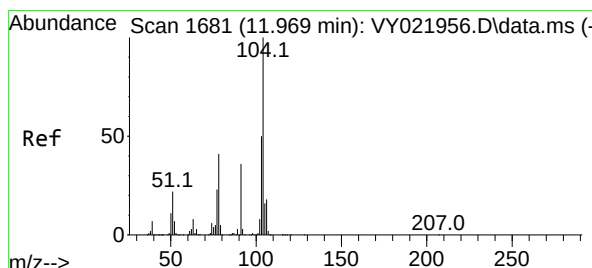
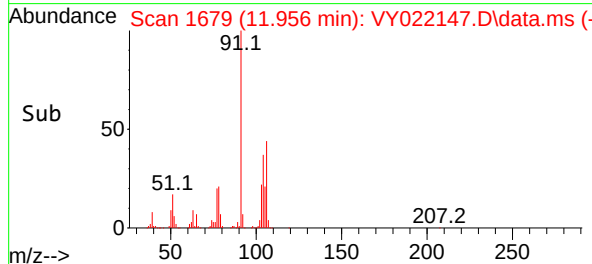
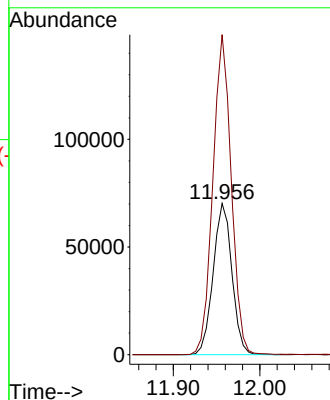
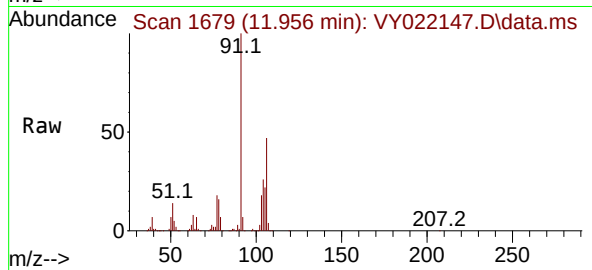
106 100

91 207.7 103.0 308.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#70

Styrene

Concen: 19.824 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

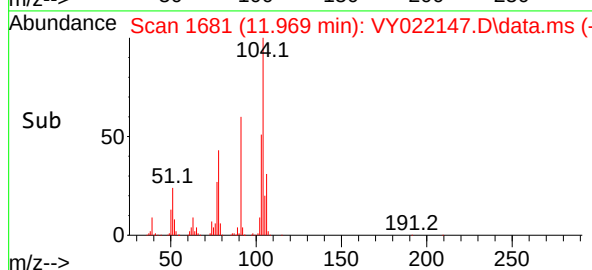
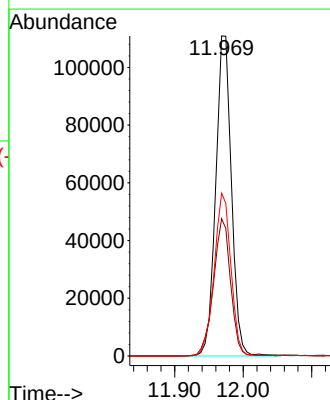
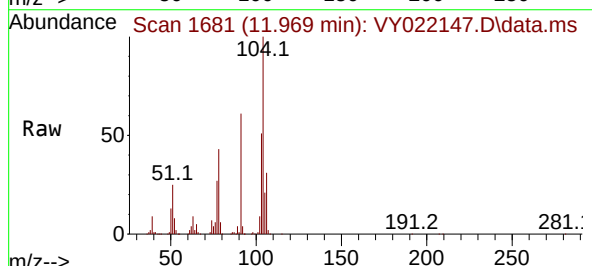
Tgt Ion:104 Resp: 176830

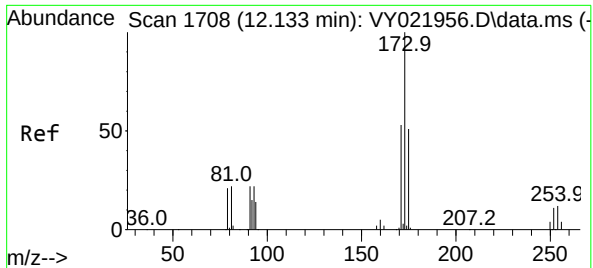
Ion Ratio Lower Upper

104 100

78 46.6 36.6 54.8

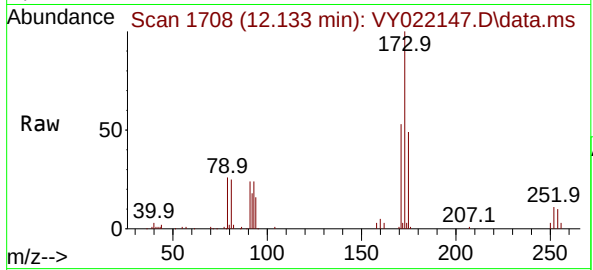
103 54.4 43.8 65.8





#71
Bromoform
Concen: 19.281 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

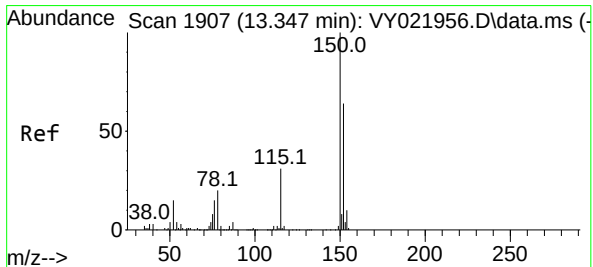
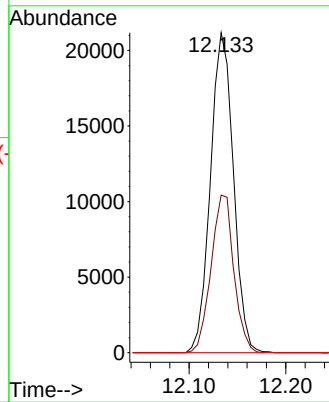
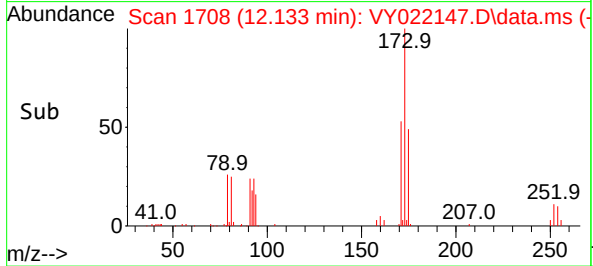
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



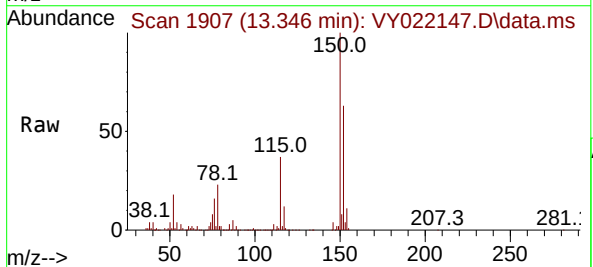
Tgt Ion:173 Resp: 34940
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

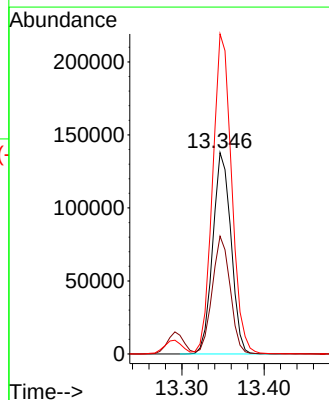
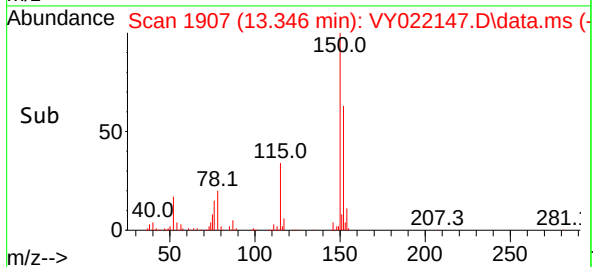
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

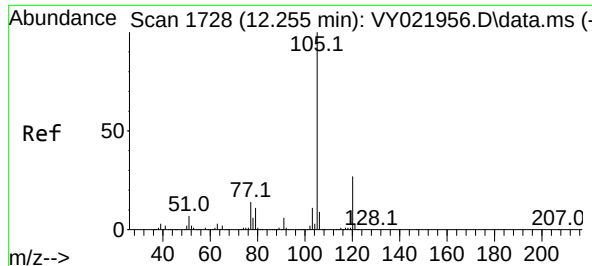


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



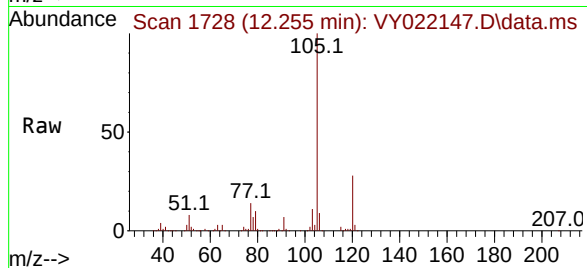
Tgt Ion:152 Resp: 212383
Ion Ratio Lower Upper
152 100
115 57.6 28.0 84.0
150 165.6 0.0 345.6





#73
Isopropylbenzene
Concen: 19.517 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

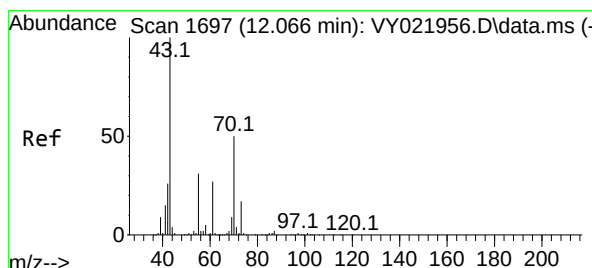
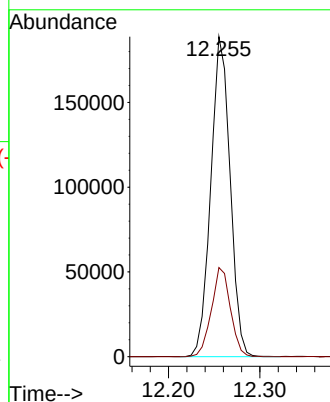
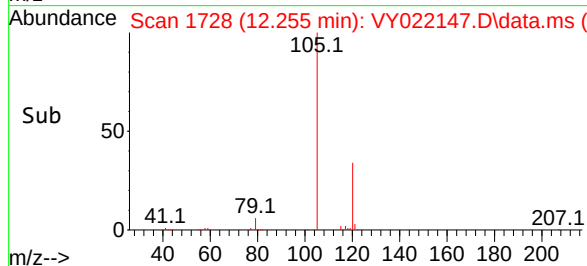
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



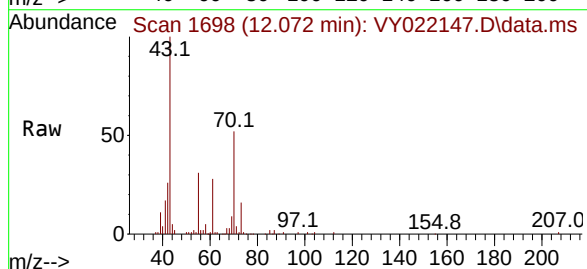
Tgt Ion: 105 Resp: 27693
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.5

Manual Integrations
APPROVED

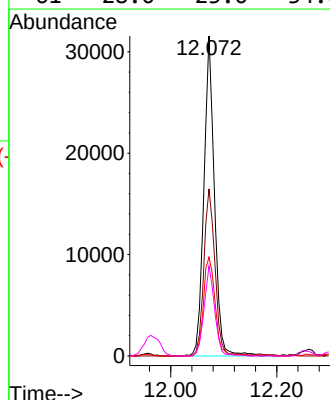
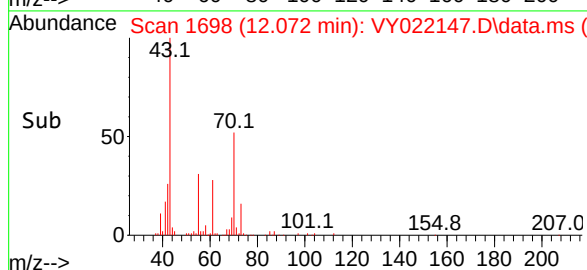
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

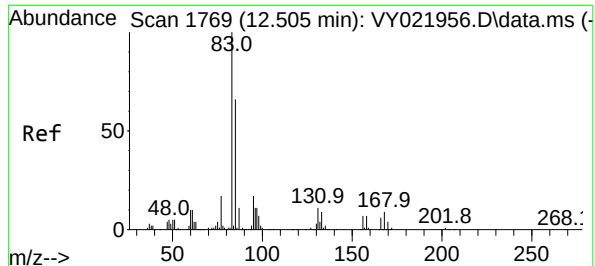


#74
N-ethyl acetate
Concen: 18.014 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55



Tgt Ion: 43 Resp: 43915
Ion Ratio Lower Upper
43 100
70 55.0 43.2 64.8
55 34.4 25.7 38.5
61 28.0 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.928 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

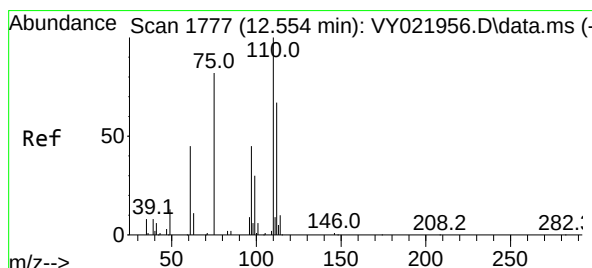
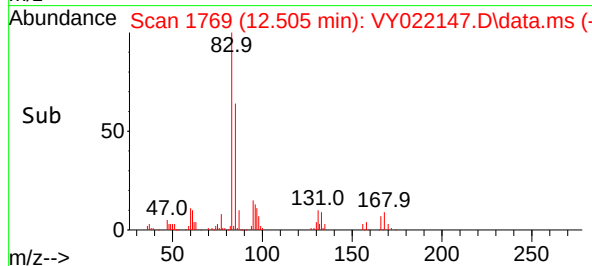
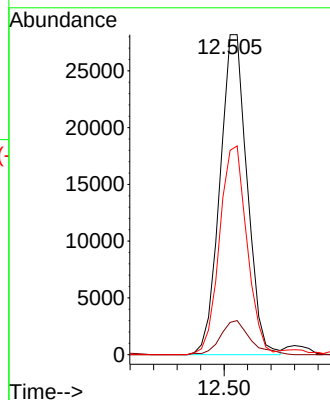
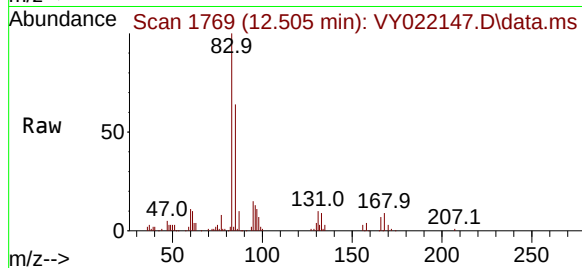
VY0505SBS01

Tgt Ion:	83	Resp:	4528
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.4
85	66.1	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#76

1,2,3-Trichloropropane

Concen: 20.205 ug/l m

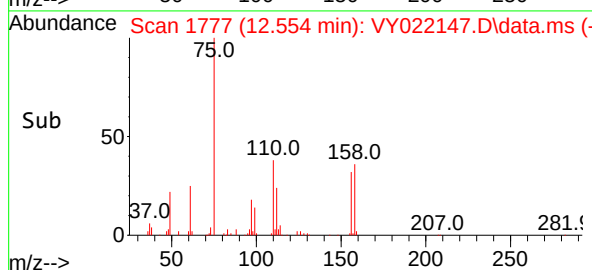
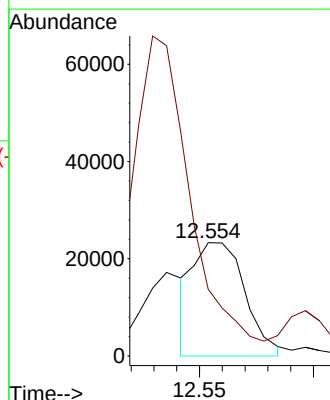
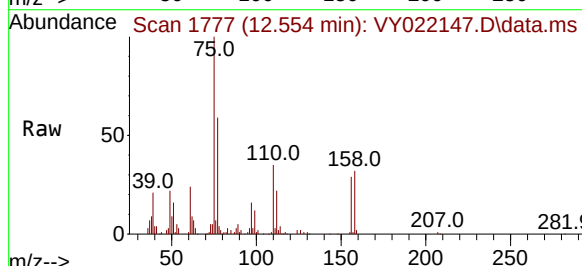
RT: 12.554 min Scan# 1777

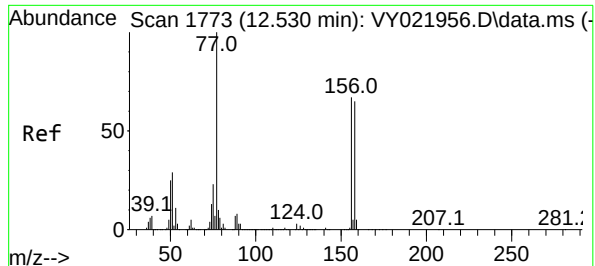
Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion:	75	Resp:	36757
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.332 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:156 Resp: 69315

Ion Ratio Lower Upper

156 100

77 171.1 82.7 248.1

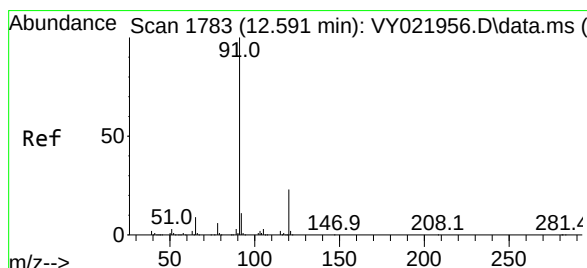
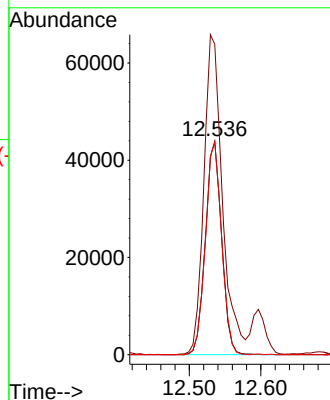
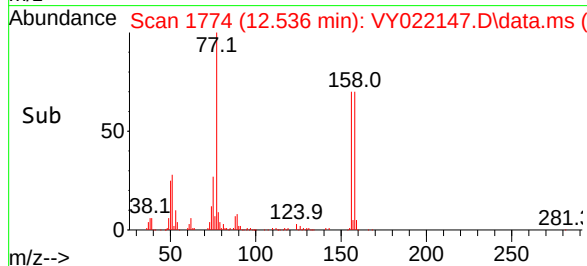
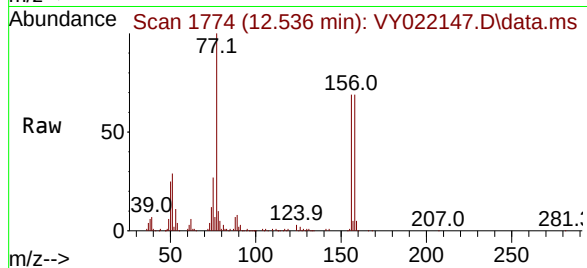
158 99.3 48.1 144.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#78

n-propylbenzene

Concen: 20.055 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY022147.D

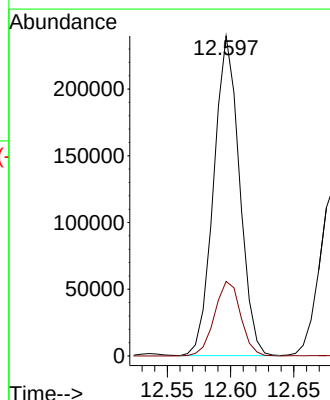
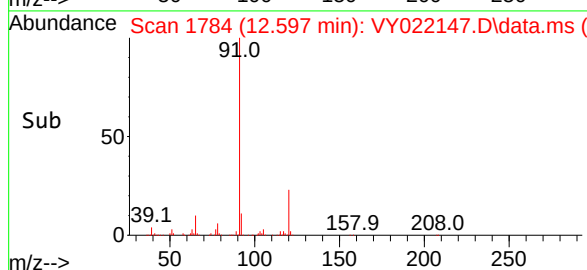
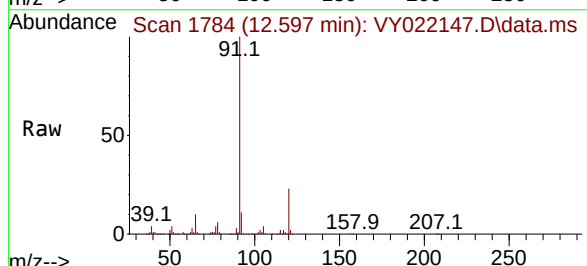
Acq: 05 May 2025 09:55

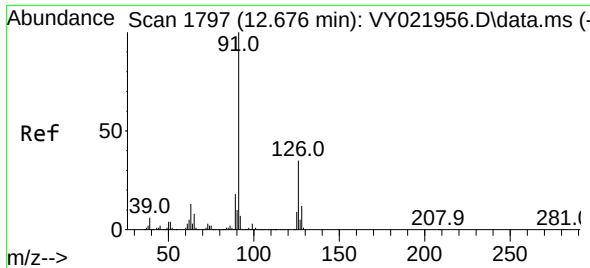
Tgt Ion: 91 Resp: 338881

Ion Ratio Lower Upper

91 100

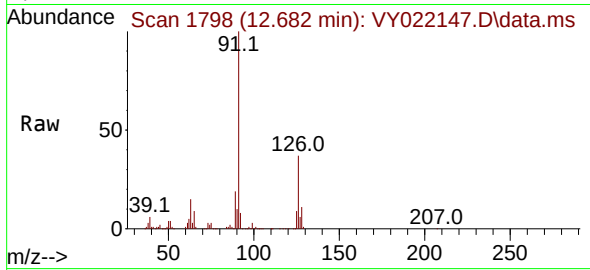
120 23.7 11.9 35.5





#79
2-Chlorotoluene
Concen: 19.923 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

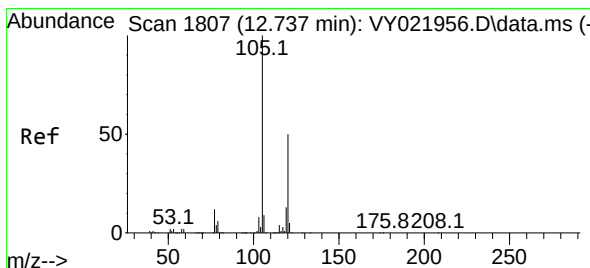
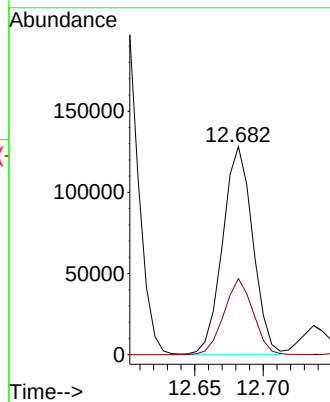
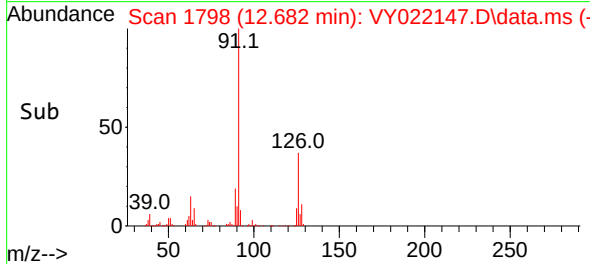
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 91 Resp: 19579
Ion Ratio Lower Upper
91 100
126 35.4 17.9 53.8

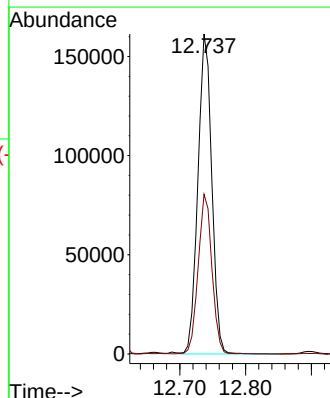
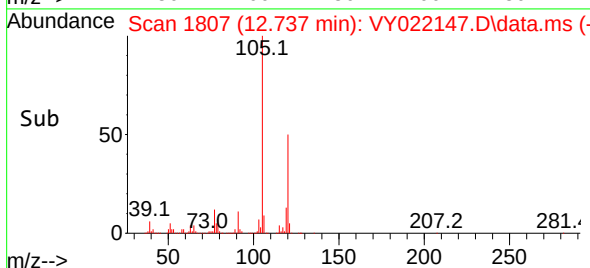
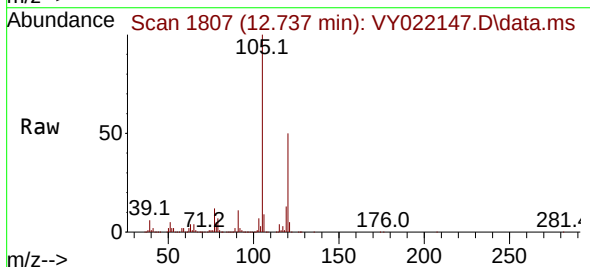
Manual Integrations
APPROVED

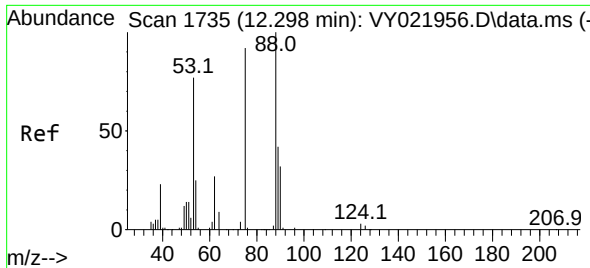
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.129 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

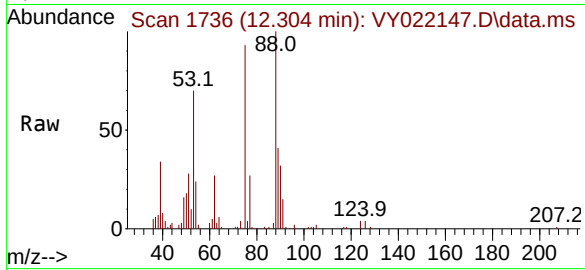
Tgt Ion:105 Resp: 235339
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.255 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

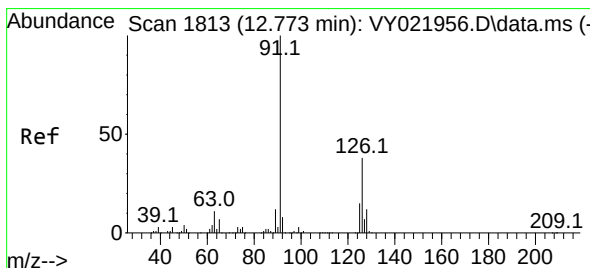
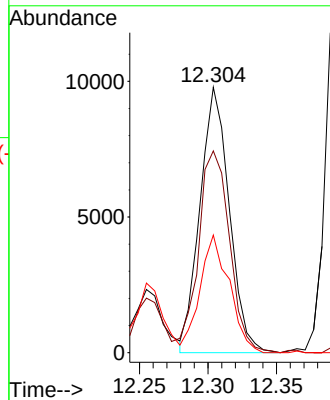
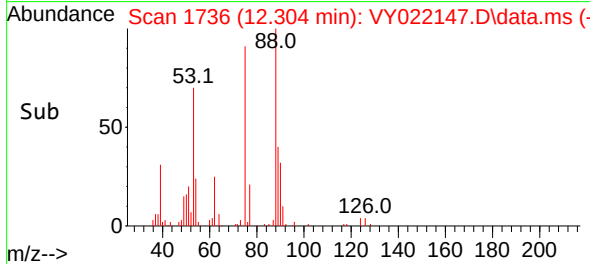
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 75 Resp: 14540
Ion Ratio Lower Upper
75 100
53 81.1 66.0 99.0
89 44.5 37.2 55.8

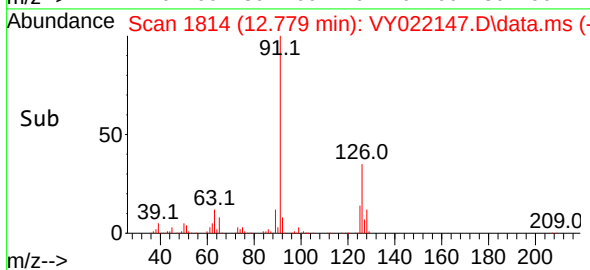
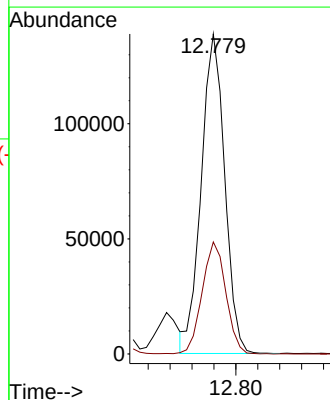
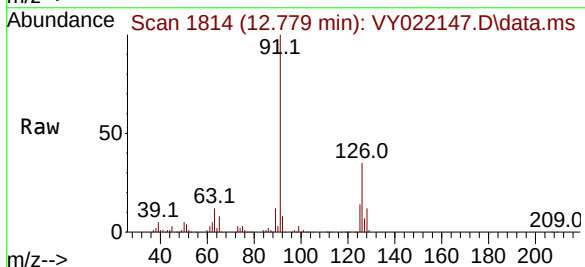
Manual Integrations
APPROVED

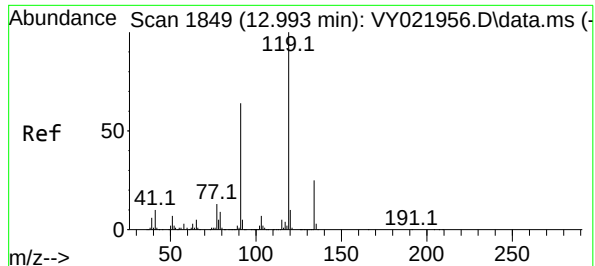
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#82
4-Chlorotoluene
Concen: 20.188 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 206233
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.8





#83

tert-Butylbenzene

Concen: 19.219 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:119 Resp: 20152

Ion Ratio Lower Upper

119 100

91 63.9 30.3 90.9

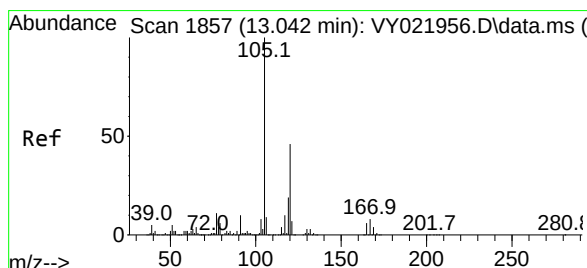
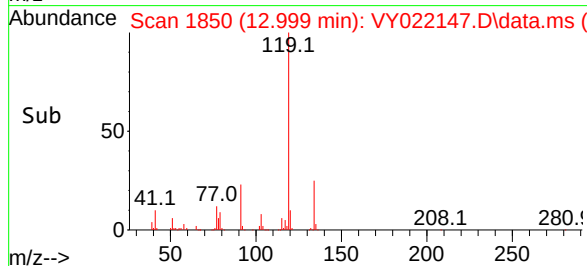
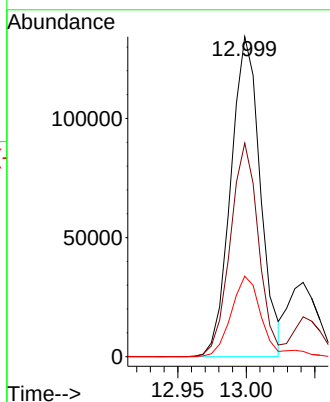
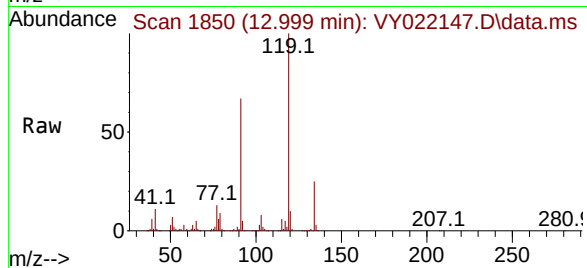
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.045 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022147.D

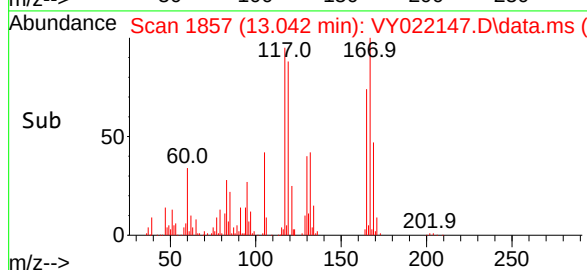
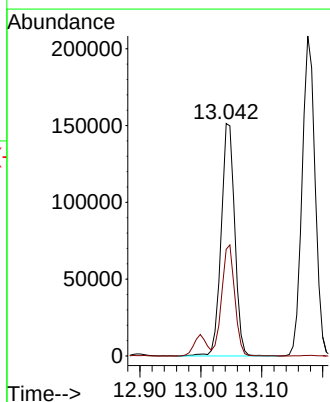
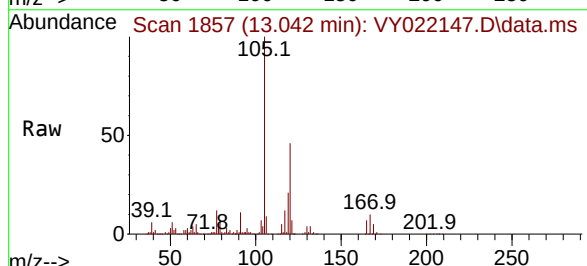
Acq: 05 May 2025 09:55

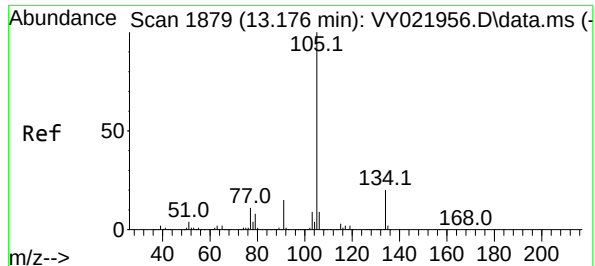
Tgt Ion:105 Resp: 234406

Ion Ratio Lower Upper

105 100

120 45.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.041 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:105 Resp: 30750

Ion Ratio Lower Upper

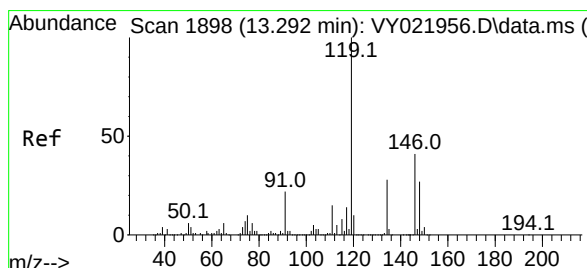
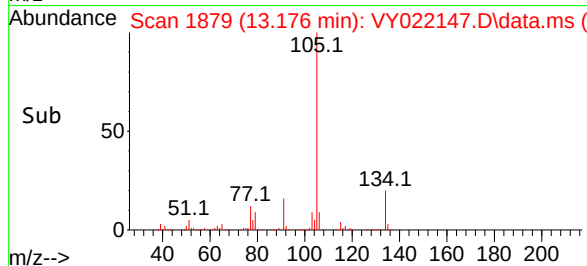
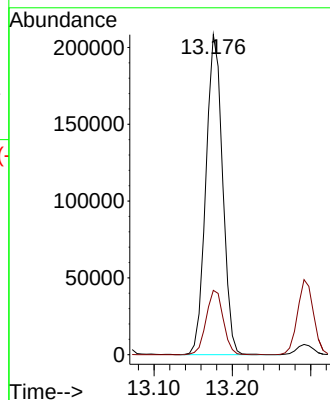
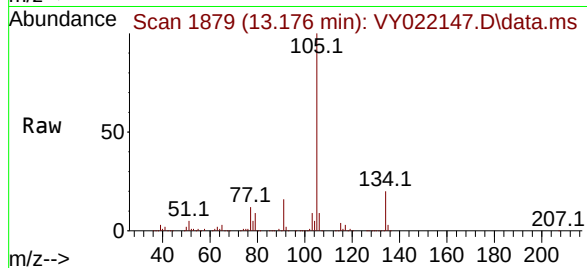
105 100

134 20.6 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

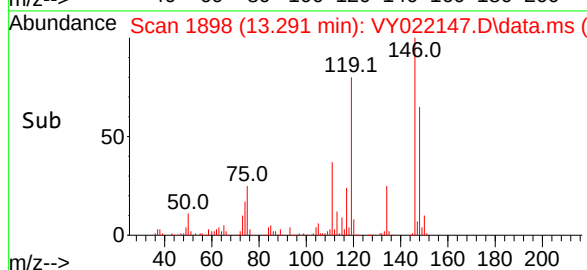
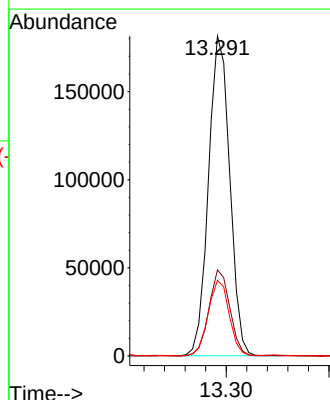
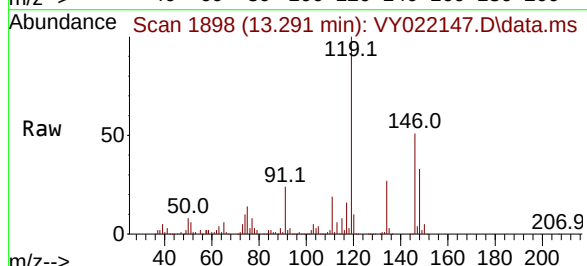
Tgt Ion:119 Resp: 260054

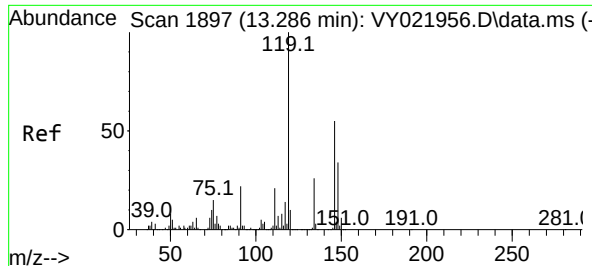
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 23.3 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.604 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022147.D

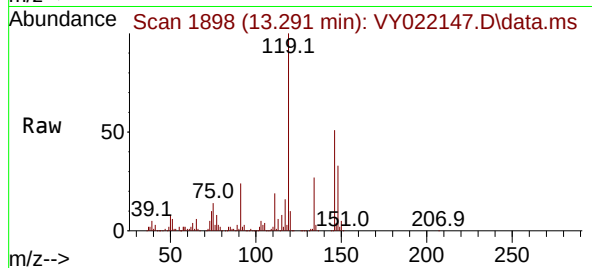
Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01



Tgt Ion:146 Resp: 142760

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.5

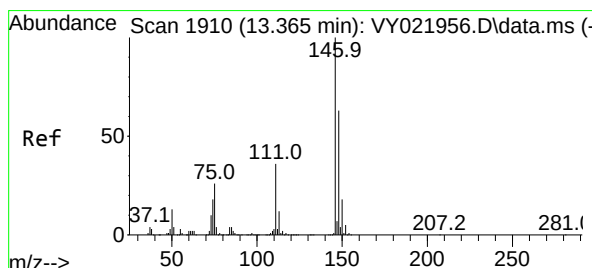
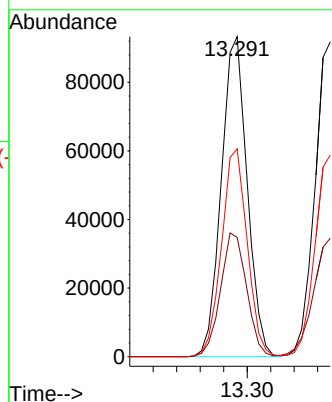
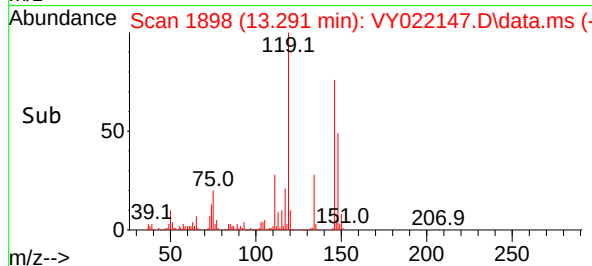
148 64.5 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#88

1,4-Dichlorobenzene

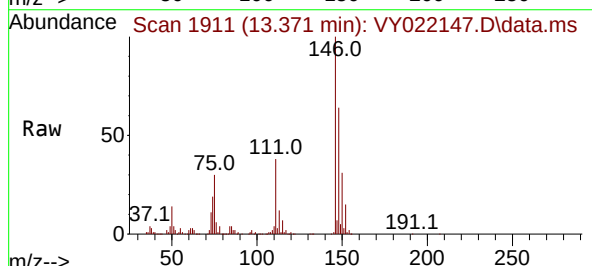
Concen: 19.507 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55



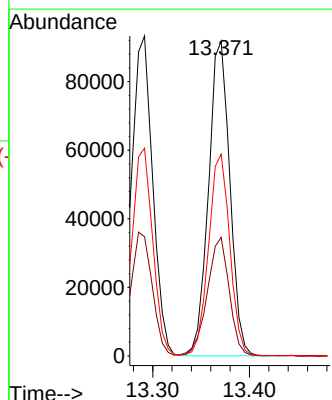
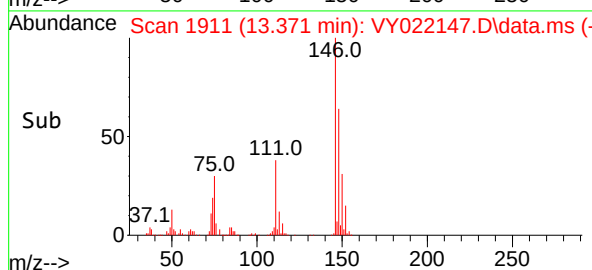
Tgt Ion:146 Resp: 140689

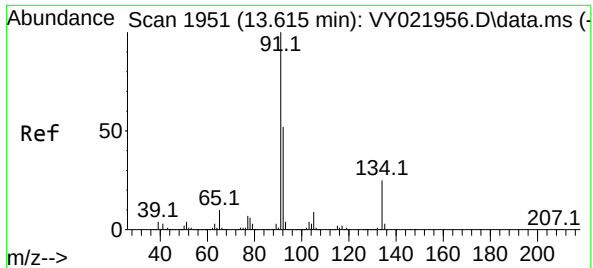
Ion Ratio Lower Upper

146 100

111 38.9 19.2 57.6

148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 19.510 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

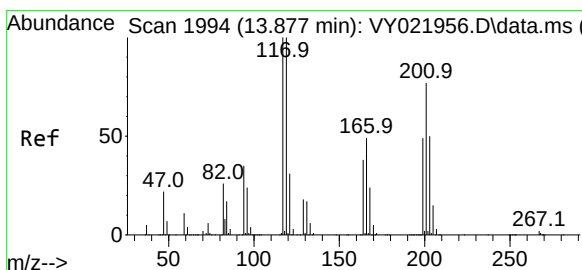
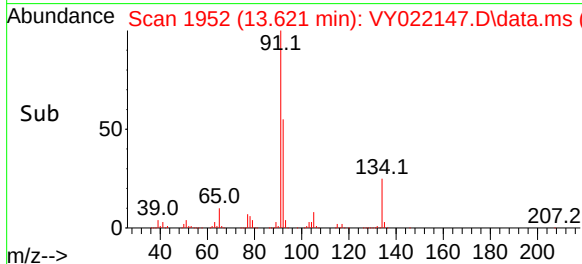
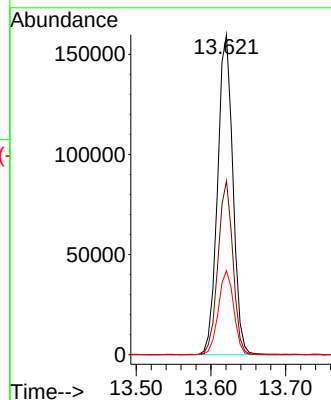
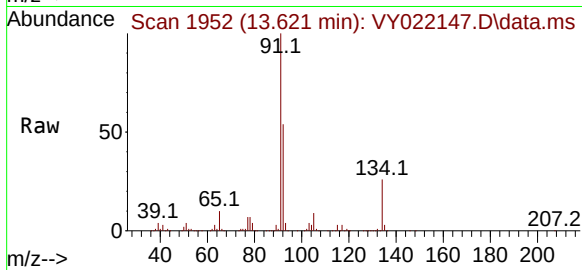
VY0505SBS01

Tgt Ion:	91	Resp:	22720
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.5	79.5
134	26.3	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#90

Hexachloroethane

Concen: 19.985 ug/l

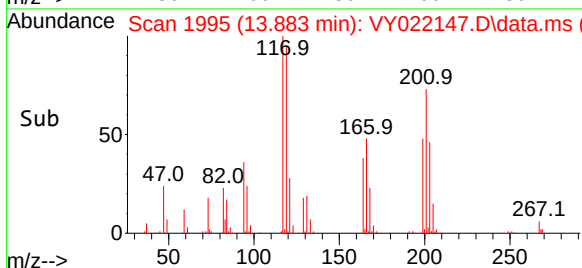
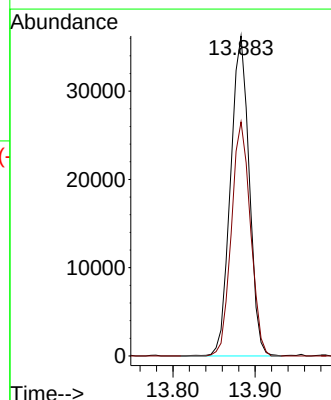
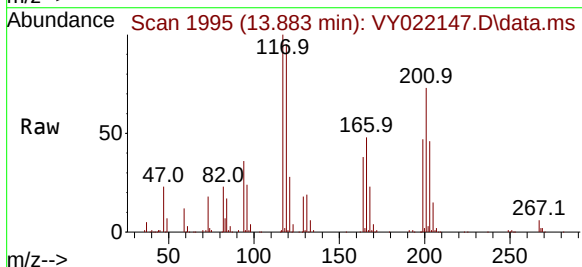
RT: 13.883 min Scan# 1995

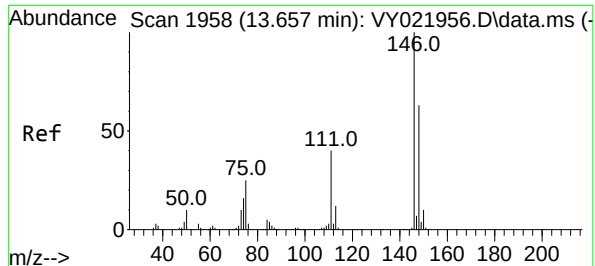
Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Tgt Ion:	117	Resp:	57209
Ion Ratio	Lower	Upper	
117	100		
201	74.6	38.7	116.1





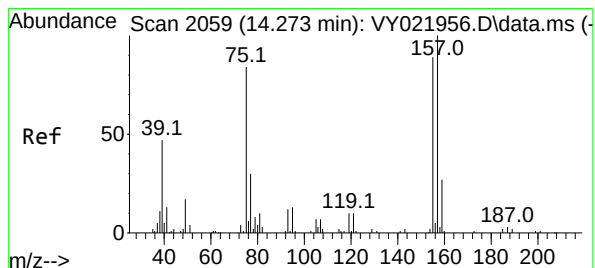
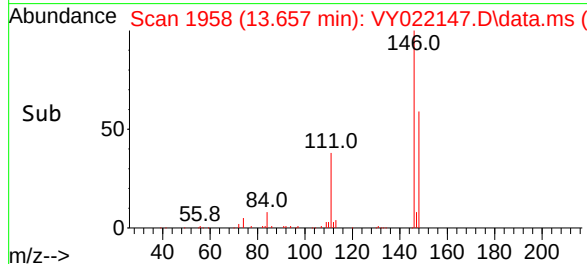
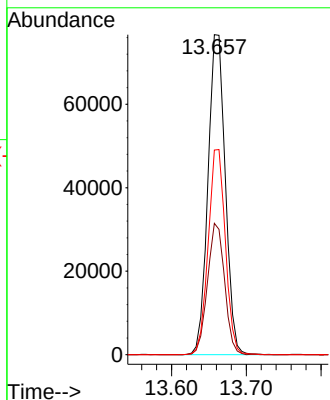
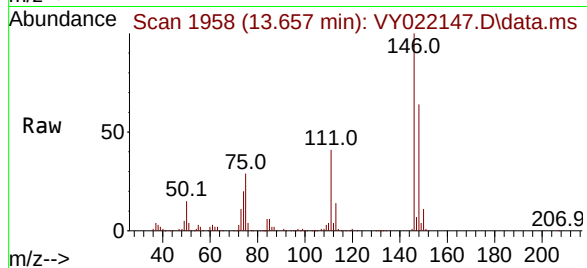
#91
1,2-Dichlorobenzene
Concen: 19.410 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument : MSVOA_Y
ClientSampleId : VY0505SBS01

Tgt Ion:146 Resp: 123280
Ion Ratio Lower Upper
146 100
111 40.5 19.7 59.1
148 63.5 32.1 96.3

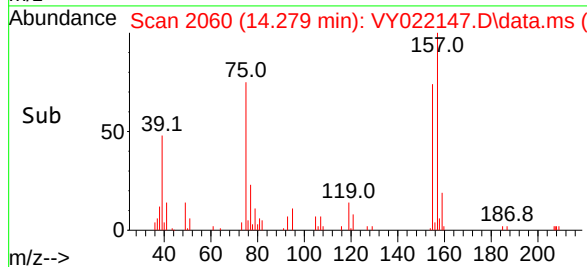
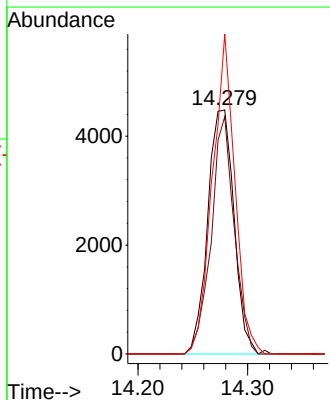
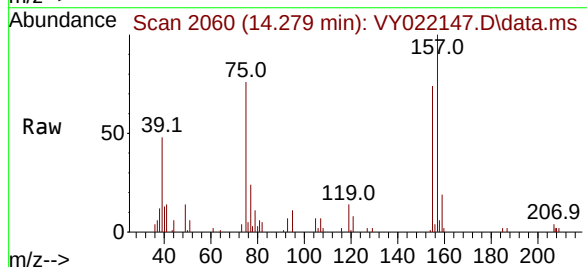
Manual Integrations
APPROVED

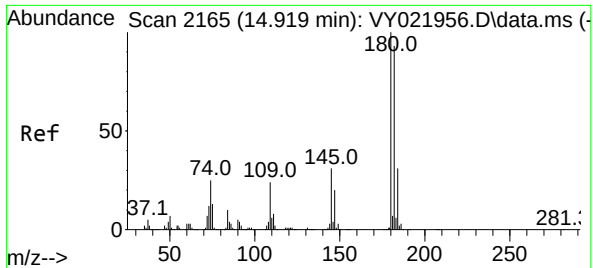
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.624 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 7469
Ion Ratio Lower Upper
75 100
155 85.3 50.7 152.3
157 112.1 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 18.371 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022147.D

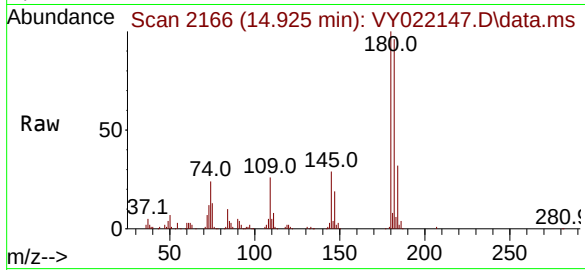
Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01



Tgt Ion:180 Resp: 6612

Ion Ratio Lower Upper

180 100

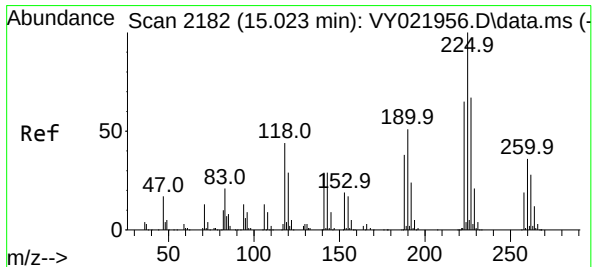
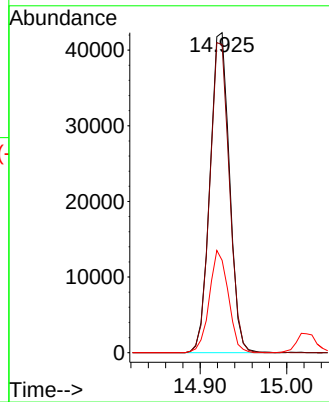
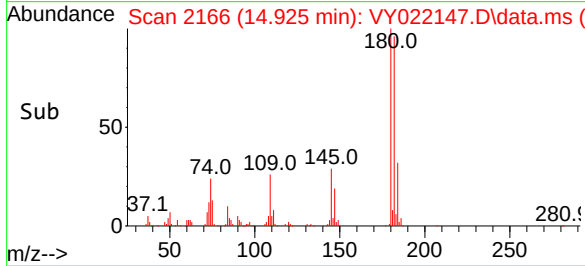
182 96.9 47.1 141.4

145 31.1 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#94

Hexachlorobutadiene

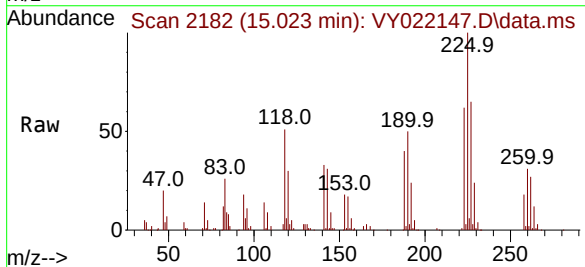
Concen: 19.479 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55



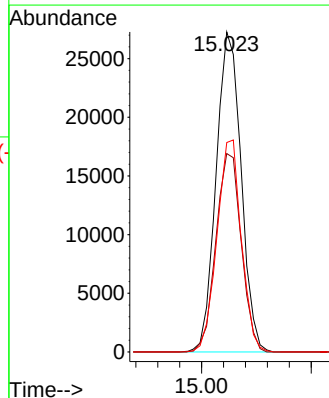
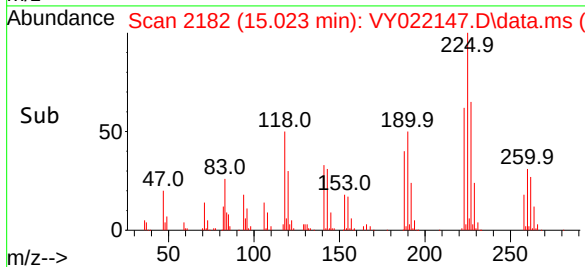
Tgt Ion:225 Resp: 43136

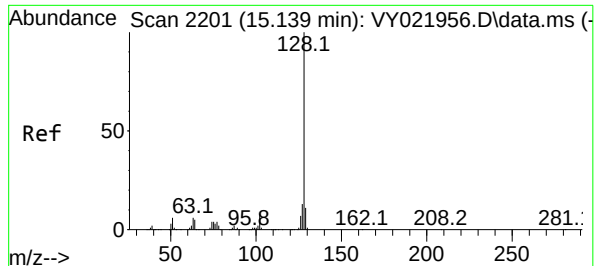
Ion Ratio Lower Upper

225 100

223 63.0 31.9 95.5

227 64.6 32.3 96.9





#95

Naphthalene

Concen: 17.031 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:128 Resp: 101830

Ion Ratio Lower Upper

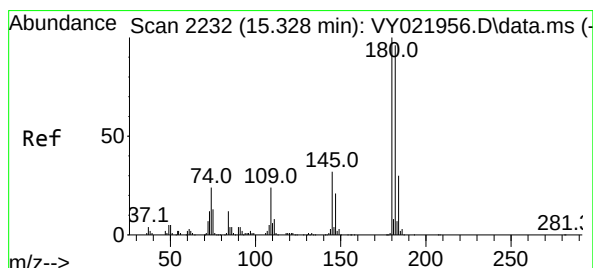
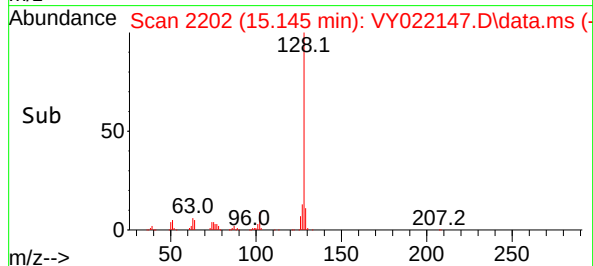
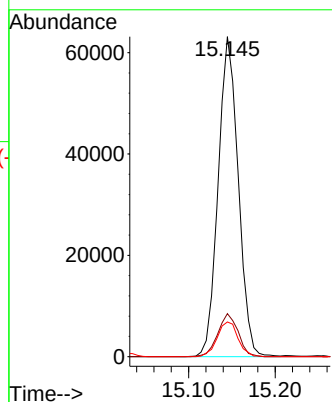
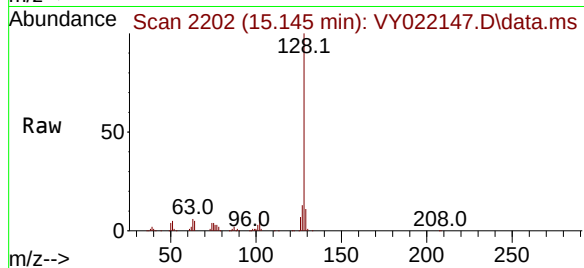
128 100

127 13.6 10.6 16.0

129 11.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#96

1,2,3-Trichlorobenzene

Concen: 18.385 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022147.D

Acq: 05 May 2025 09:55

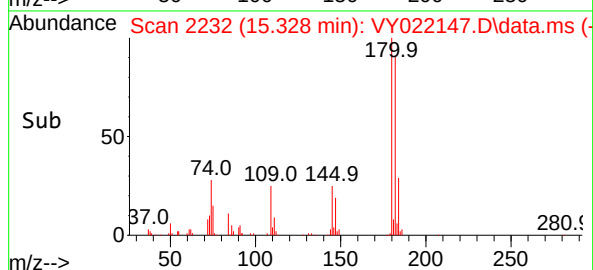
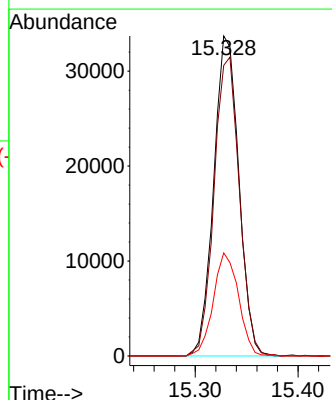
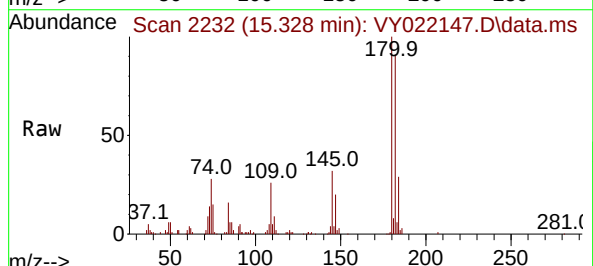
Tgt Ion:180 Resp: 57120

Ion Ratio Lower Upper

180 100

182 94.1 48.1 144.4

145 32.5 16.0 48.0



Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBSD01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022148.D	1		05/05/25 10:17	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	24.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.2		0.78	5.00	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	
Project:	Stan Hope		Date Received:	
Client Sample ID:	VY0505SBSD01		SDG No.:	Q1938
Lab Sample ID:	VY0505SBSD01		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
VY022148.D	1		05/05/25 10:17	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	20.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.8		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	430000	8.615			
3114-55-4	Chlorobenzene-d5	393000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.346			

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	VY0505SBSD01	SDG No.:	Q1938
Lab Sample ID:	VY0505SBSD01	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
VY022148.D	1		05/05/25 10:17	VY050525

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\VY050525\
 Data File : VY022148.D
 Acq On : 05 May 2025 10:17
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	278339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	393385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	209502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125920	48.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.634	113	137332	48.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.620%		
50) Toluene-d8	10.109	98	519993	48.516	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.407	95	174772	48.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48796	20.574	ug/l	100
3) Chloromethane	2.068	50	63002	18.656	ug/l	98
4) Vinyl Chloride	2.202	62	81425	19.621	ug/l	98
5) Bromomethane	2.592	94	72343	20.234	ug/l	95
6) Chloroethane	2.732	64	57058	20.188	ug/l	97
7) Trichlorofluoromethane	3.055	101	113669	20.772	ug/l	95
8) Diethyl Ether	3.452	74	30207	21.208	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	62216	20.958	ug/l	99
10) Methyl Iodide	4.007	142	66651	19.392	ug/l	98
11) Tert butyl alcohol	4.866	59	15270	108.187	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	57099	20.636	ug/l	95
13) Acrolein	3.653	56	12848	50.717	ug/l	99
14) Allyl chloride	4.385	41	66330	20.588	ug/l	99
15) Acrylonitrile	5.055	53	55315	106.083	ug/l	99
16) Acetone	3.872	43	39800	105.963	ug/l	99
17) Carbon Disulfide	4.110	76	173566	19.673	ug/l	99
18) Methyl Acetate	4.391	43	29081	24.215	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	130362	21.050	ug/l	97
20) Methylene Chloride	4.616	84	70498	21.685	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	62834	20.277	ug/l	95
22) Diisopropyl ether	6.024	45	156404	21.814	ug/l	98
23) Vinyl Acetate	5.957	43	399269	103.328	ug/l	100
24) 1,1-Dichloroethane	5.921	63	105587	21.245	ug/l	97
25) 2-Butanone	6.896	43	60604	103.413	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94987	21.806	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	71338	20.588	ug/l	97
28) Bromochloromethane	7.244	49	39685	20.558	ug/l	100
29) Tetrahydrofuran	7.262	42	39553	103.917	ug/l	96
30) Chloroform	7.421	83	117982	21.402	ug/l	99
31) Cyclohexane	7.701	56	87134	20.502	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105680	21.189	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81491	21.339	ug/l	98
37) Ethyl Acetate	6.988	43	29484	21.497	ug/l	98
38) Carbon Tetrachloride	7.817	117	96698	21.190	ug/l	97
39) Methylcyclohexane	9.109	83	98904	20.580	ug/l	93
40) Benzene	8.079	78	251594	21.076	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022148.D
 Acq On : 05 May 2025 10:17
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	12806	17.080	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	65776	22.255	ug/l	100
43) Isopropyl Acetate	8.195	43	54824	20.814	ug/l	97
44) Trichloroethene	8.865	130	70239	21.242	ug/l	93
45) 1,2-Dichloropropane	9.140	63	57088	21.625	ug/l	97
46) Dibromomethane	9.231	93	34924	21.133	ug/l	99
47) Bromodichloromethane	9.426	83	89301	21.631	ug/l	95
48) Methyl methacrylate	9.219	41	25748	21.146	ug/l	100
49) 1,4-Dioxane	9.231	88	7171	407.122	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	149456	108.242	ug/l	97
52) Toluene	10.170	92	163538	21.164	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	75653	21.364	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	88548	21.036	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	46999	21.291	ug/l	97
56) Ethyl methacrylate	10.438	69	51580	20.433	ug/l	96
57) 1,3-Dichloropropane	10.719	76	75869	21.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	125334	101.547	ug/l	99
59) 2-Hexanone	10.761	43	96724	106.206	ug/l	97
60) Dibromochloromethane	10.914	129	64549	21.121	ug/l	100
61) 1,2-Dibromoethane	11.017	107	44870	21.531	ug/l	96
64) Tetrachloroethene	10.652	164	81301	21.908	ug/l	92
65) Chlorobenzene	11.444	112	187475	21.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	66154	21.360	ug/l	99
67) Ethyl Benzene	11.517	91	291549	20.260	ug/l	98
68) m/p-Xylenes	11.627	106	242458	42.341	ug/l	99
69) o-Xylene	11.956	106	107465	20.361	ug/l	96
70) Styrene	11.969	104	183329	20.688	ug/l	99
71) Bromoform	12.133	173	37567	20.863	ug/l #	99
73) Isopropylbenzene	12.255	105	289313	20.670	ug/l	100
74) N-amyl acetate	12.072	43	46534	19.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	48444	20.529	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	38354m	21.373	ug/l	
77) Bromobenzene	12.536	156	72220	20.419	ug/l	96
78) n-propylbenzene	12.596	91	346937	20.814	ug/l	100
79) 2-Chlorotoluene	12.682	91	202404	20.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	241006	20.898	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14532	19.502	ug/l	88
82) 4-Chlorotoluene	12.779	91	212250	21.063	ug/l	99
83) tert-Butylbenzene	12.999	119	210708	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	243968	21.150	ug/l	99
85) sec-Butylbenzene	13.176	105	316220	20.893	ug/l	100
86) p-Isopropyltoluene	13.291	119	264257	20.562	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	148429	20.663	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	147690	20.759	ug/l	99
89) n-Butylbenzene	13.621	91	234967	20.454	ug/l	99
90) Hexachloroethane	13.883	117	59652	21.125	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	130998	20.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7151	19.047	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	71753	20.210	ug/l	99
94) Hexachlorobutadiene	15.023	225	43802	20.052	ug/l	99
95) Naphthalene	15.145	128	112613	19.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	62663	20.446	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022148.D
Acq On : 05 May 2025 10:17
Operator : SY/MD
Sample : VY0505SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

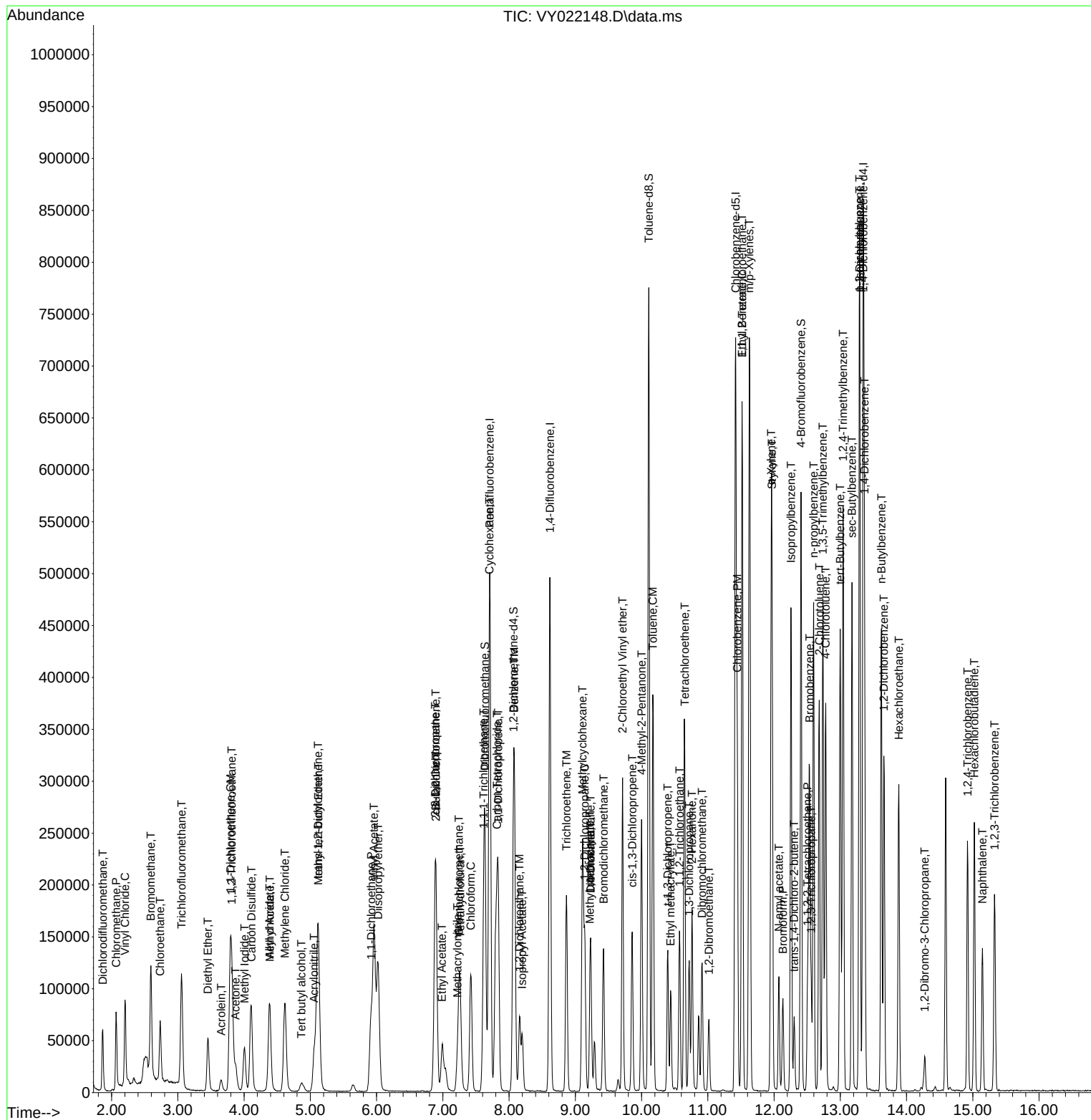
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

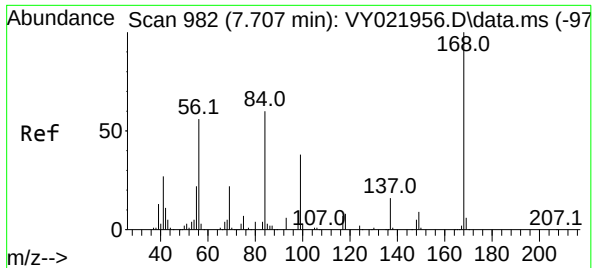
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01

Manual Integrations APPROVED

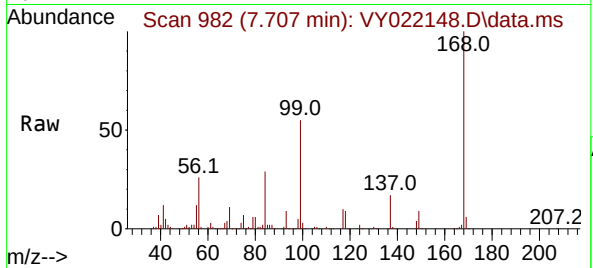
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

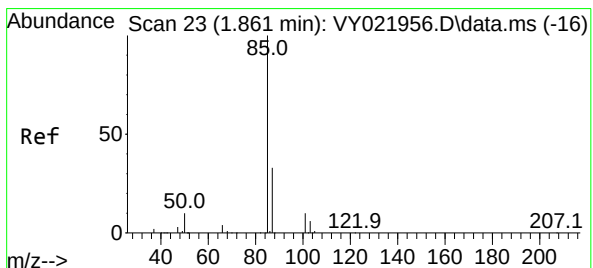
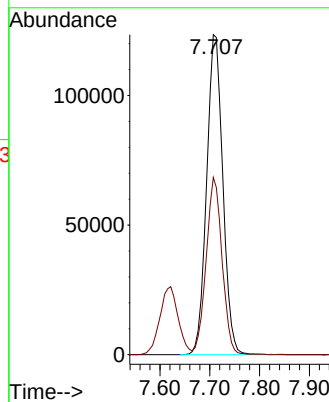
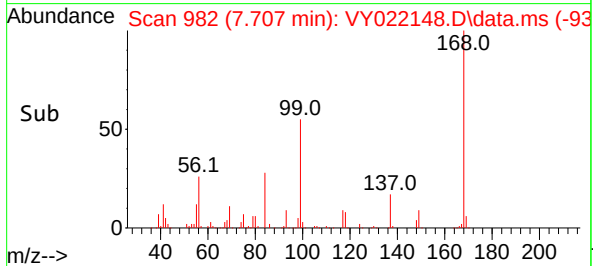
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 168 Resp: 278339
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7

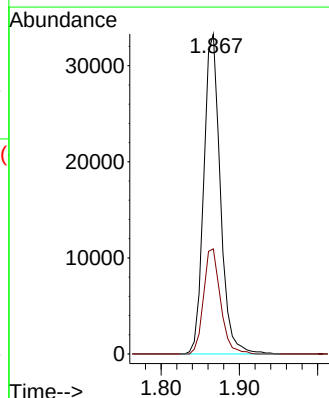
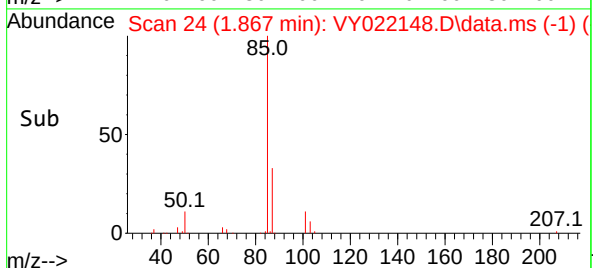
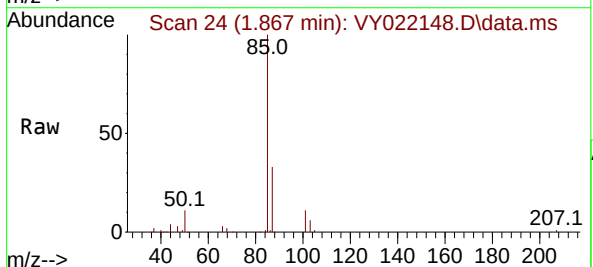
Manual Integrations
APPROVED

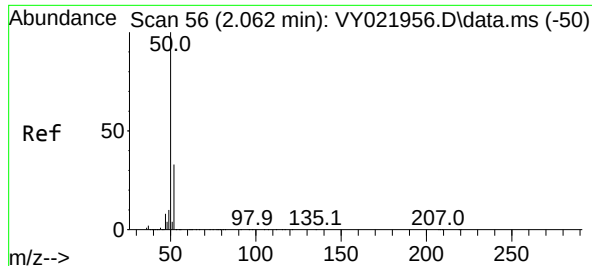
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#2
Dichlorodifluoromethane
Concen: 20.574 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

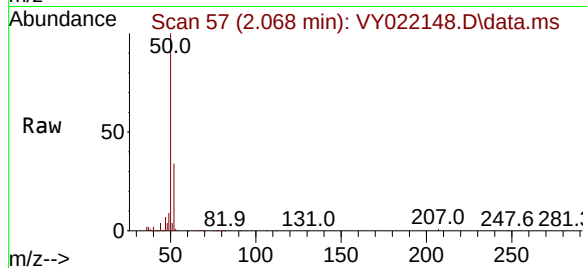
Tgt Ion: 85 Resp: 48796
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.7





#3
Chloromethane
Concen: 18.656 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

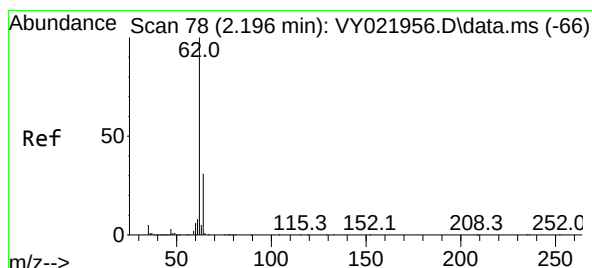
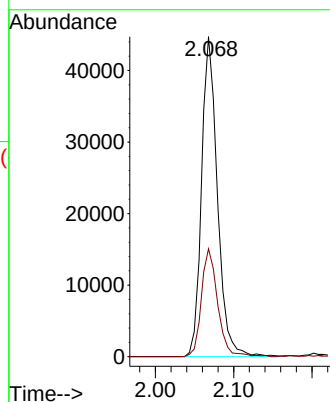
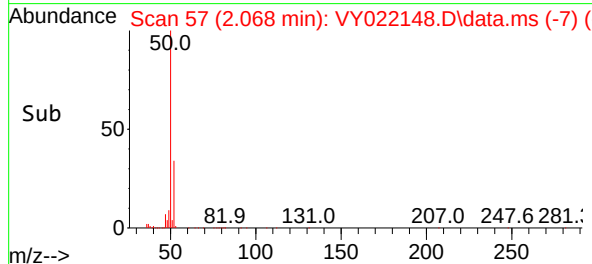
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion: 50 Resp: 63002
Ion Ratio Lower Upper
50 100
52 33.7 26.1 39.1

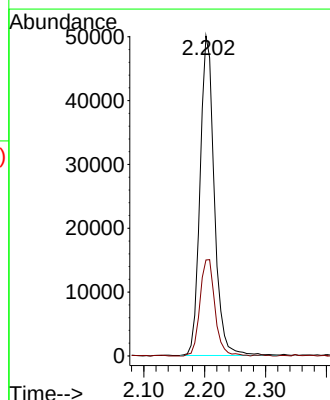
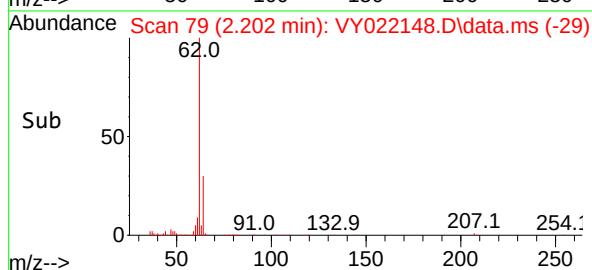
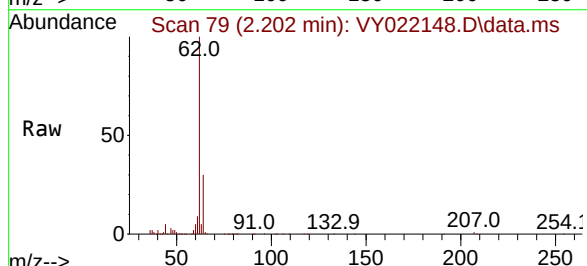
Manual Integrations
APPROVED

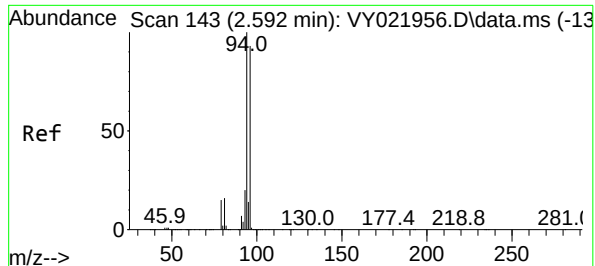
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#4
Vinyl Chloride
Concen: 19.621 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

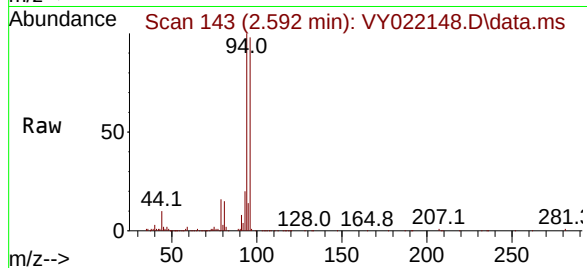
Tgt Ion: 62 Resp: 81425
Ion Ratio Lower Upper
62 100
64 30.1 25.1 37.7





#5
Bromomethane
Concen: 20.234 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

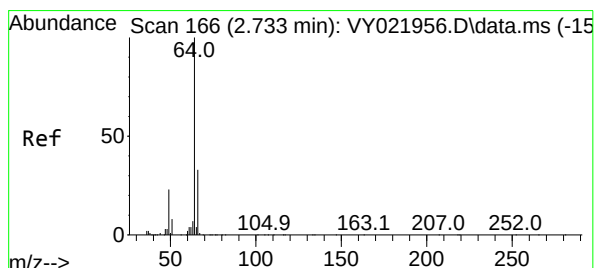
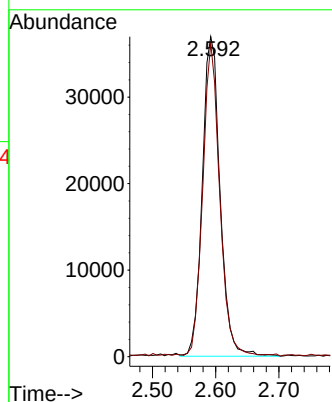
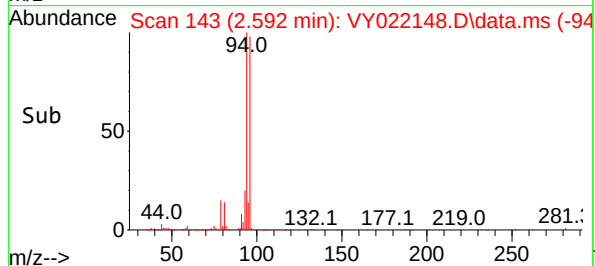
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



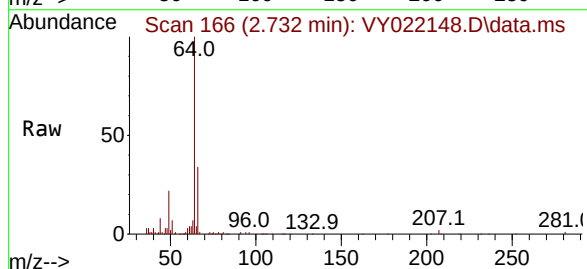
Tgt Ion: 94 Resp: 7234
Ion Ratio Lower Upper
94 100
96 97.9 74.6 111.8

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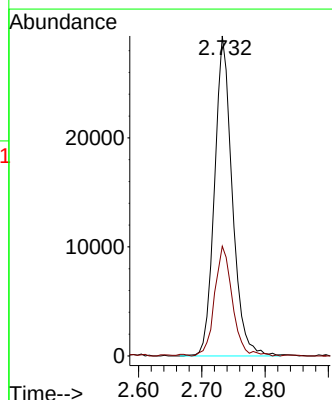
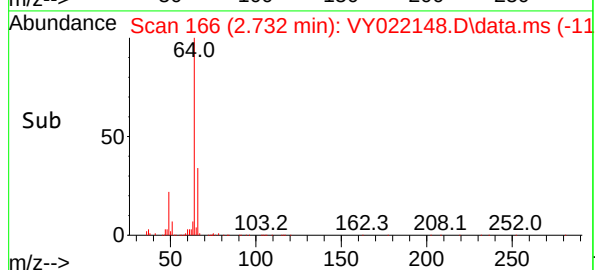
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

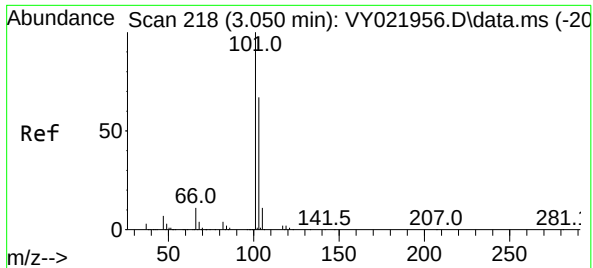


#6
Chloroethane
Concen: 20.188 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17



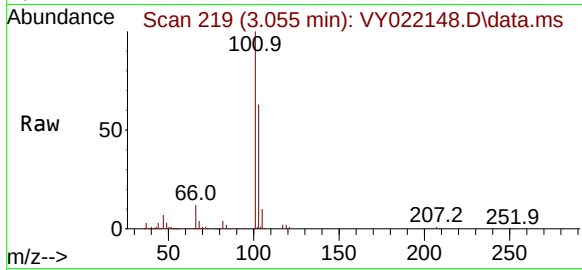
Tgt Ion: 64 Resp: 57058
Ion Ratio Lower Upper
64 100
66 34.3 26.2 39.4





#7
Trichlorofluoromethane
Concen: 20.772 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

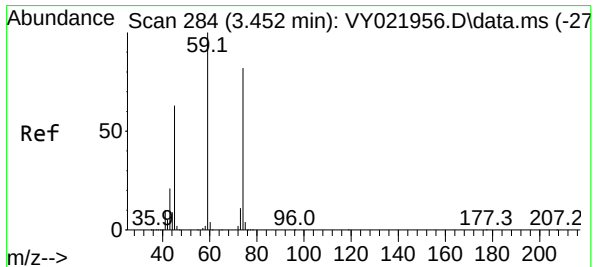
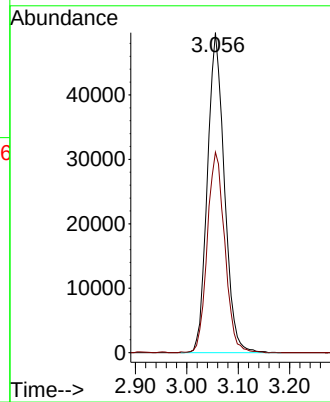
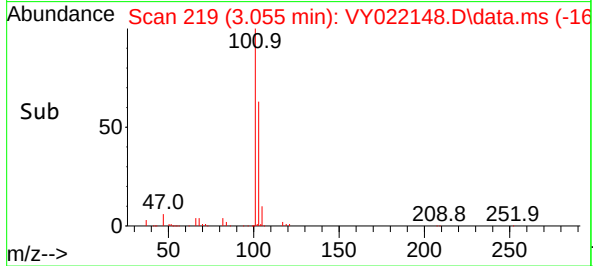
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion:101 Resp: 11366
Ion Ratio Lower Upper
101 100
103 62.6 53.6 80.4

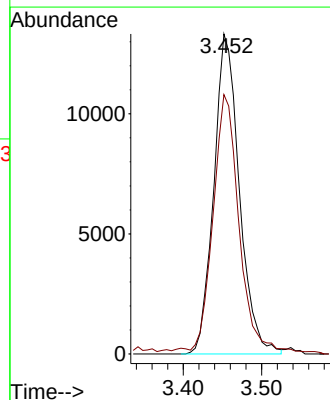
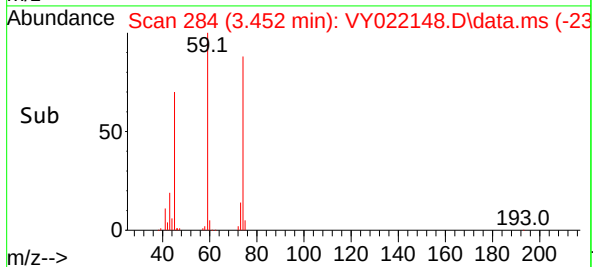
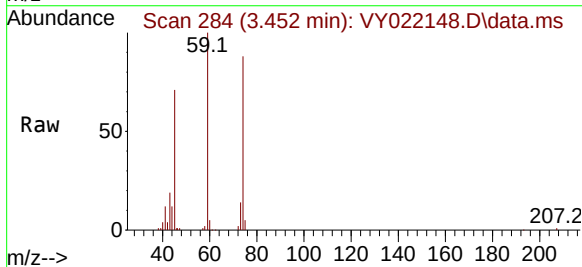
Manual Integrations
APPROVED

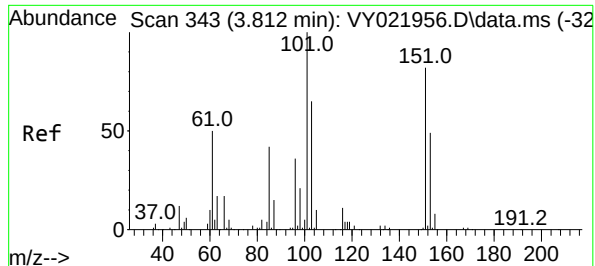
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#8
Diethyl Ether
Concen: 21.208 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 74 Resp: 30207
Ion Ratio Lower Upper
74 100
45 84.8 39.1 117.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.958 ug/l

RT: 3.811 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:101 Resp: 62210

Ion Ratio Lower Upper

101 100

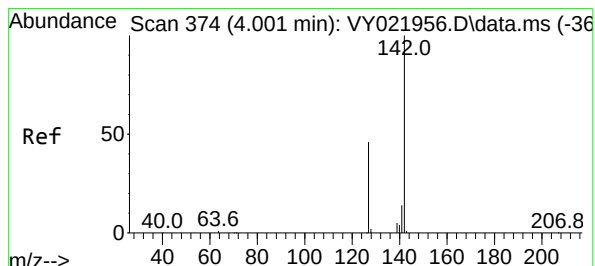
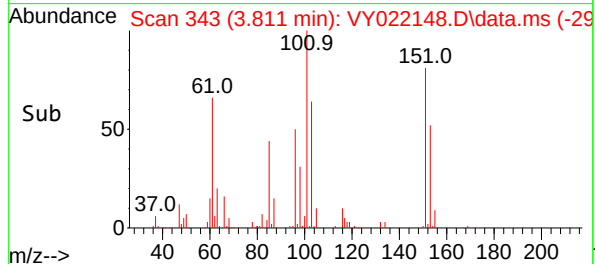
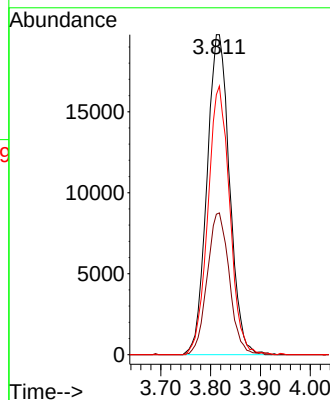
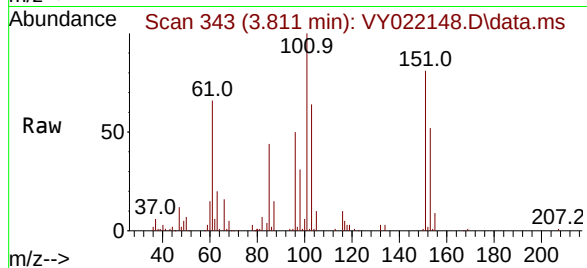
85 43.4 34.6 51.8

151 81.2 63.7 95.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#10

Methyl Iodide

Concen: 19.392 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

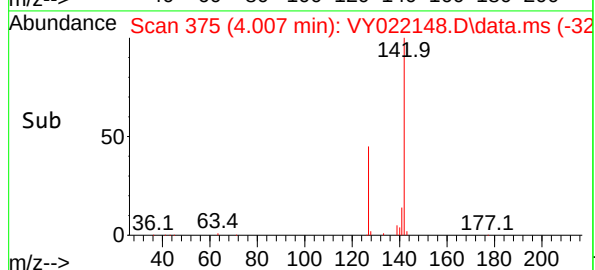
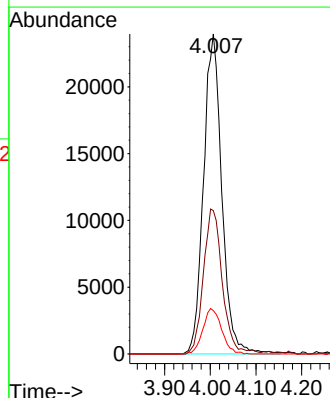
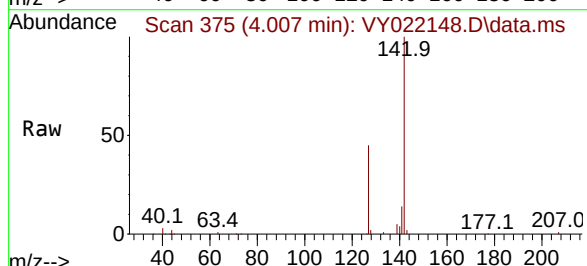
Tgt Ion:142 Resp: 66651

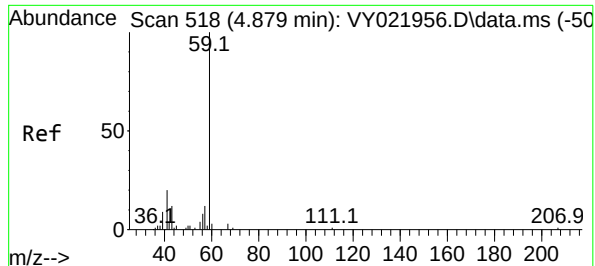
Ion Ratio Lower Upper

142 100

127 46.8 36.2 54.2

141 14.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 108.187 ug/l

RT: 4.866 min Scan# 518

Delta R.T. -0.012 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 59 Resp: 15270

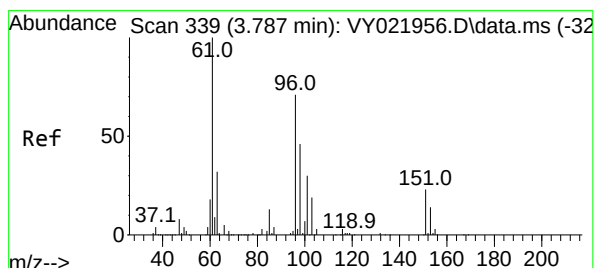
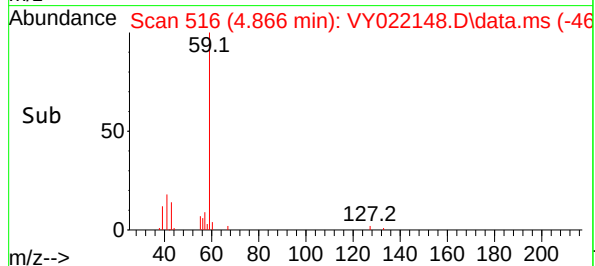
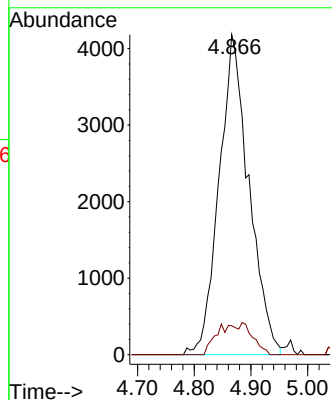
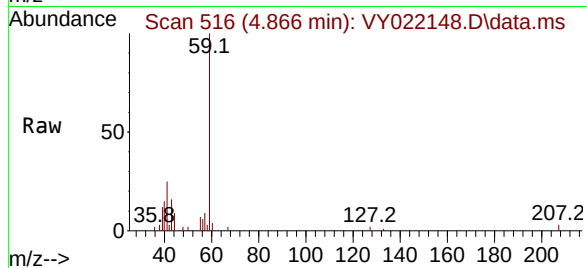
Ion Ratio Lower Upper

59 100

57 7.1 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#12

1,1-Dichloroethene

Concen: 20.636 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

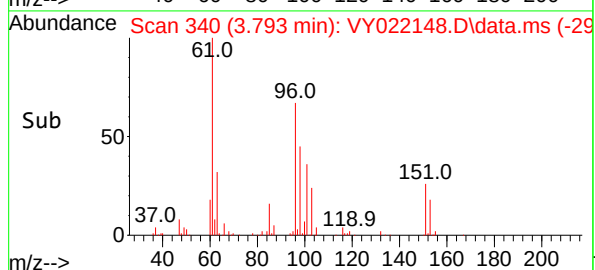
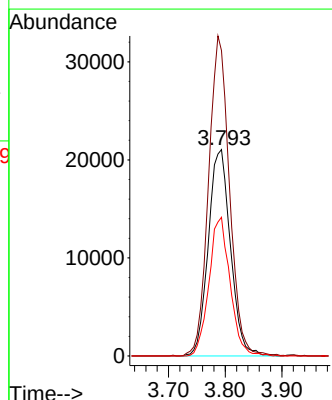
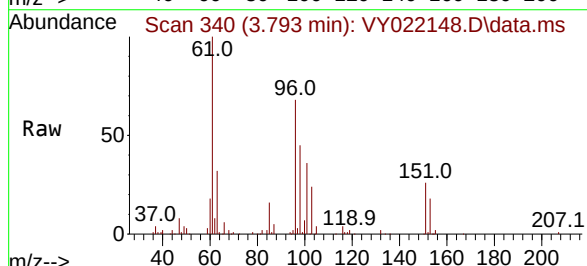
Tgt Ion: 96 Resp: 57099

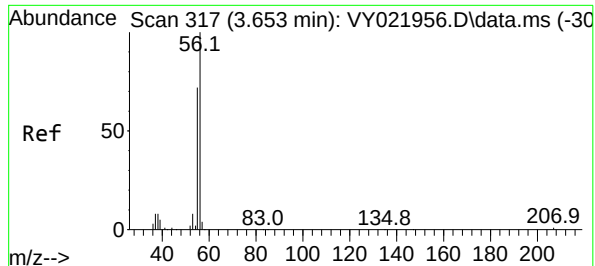
Ion Ratio Lower Upper

96 100

61 147.9 113.0 169.4

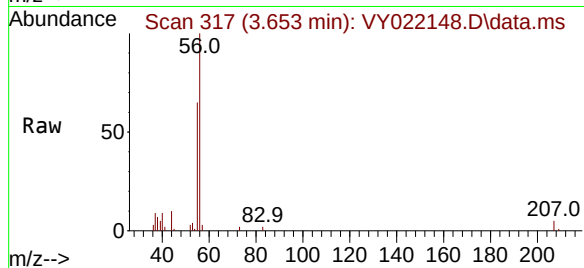
98 67.2 51.4 77.2





#13
Acrolein
Concen: 50.717 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

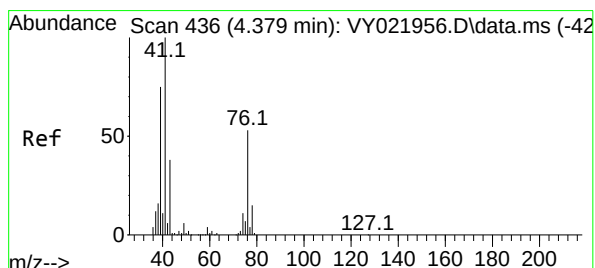
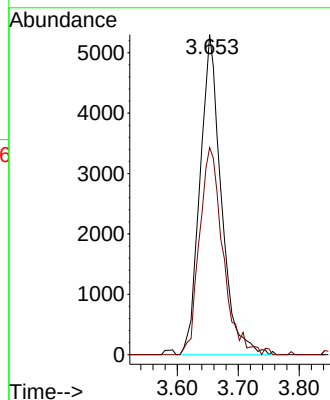
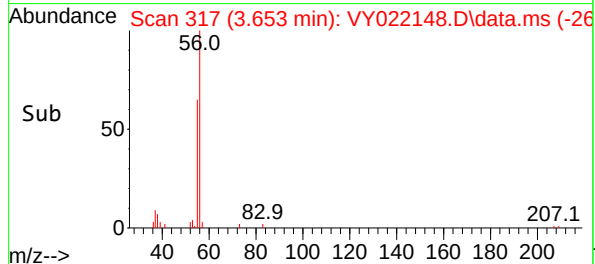
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 56 Resp: 12848
Ion Ratio Lower Upper
56 100
55 71.0 57.4 86.0

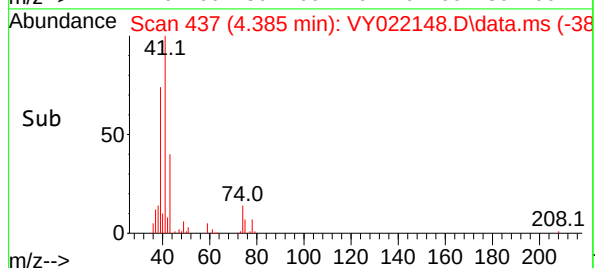
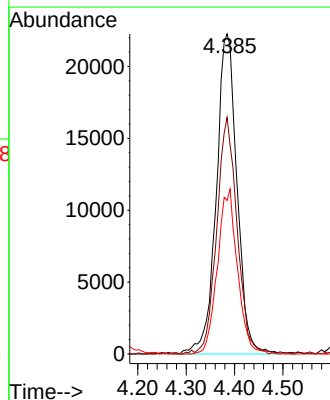
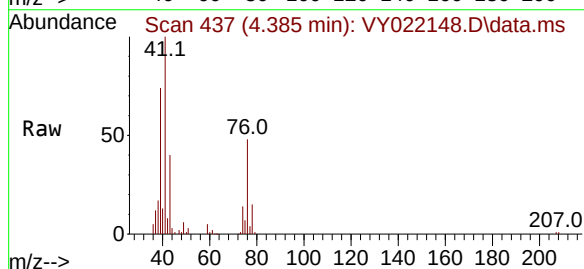
Manual Integrations
APPROVED

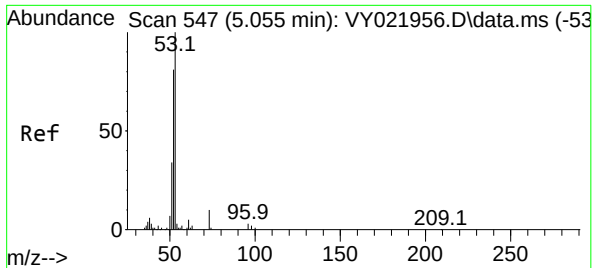
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#14
Allyl chloride
Concen: 20.588 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 41 Resp: 66330
Ion Ratio Lower Upper
41 100
39 72.9 57.2 85.8
76 49.6 39.7 59.5





#15

Acrylonitrile

Concen: 106.083 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY022148.D

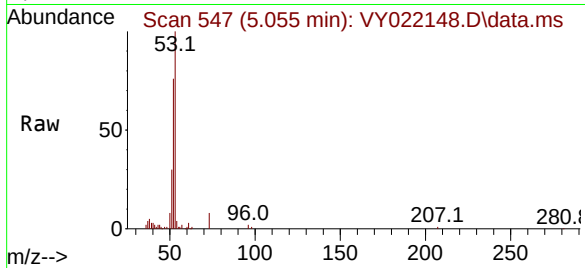
Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

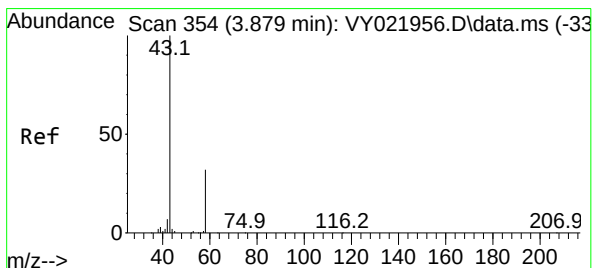
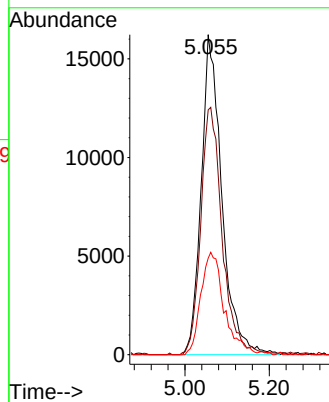
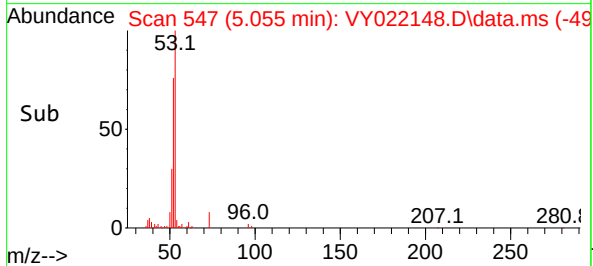


Tgt Ion:	53	Resp:	5531
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.0	28.9	43.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#16

Acetone

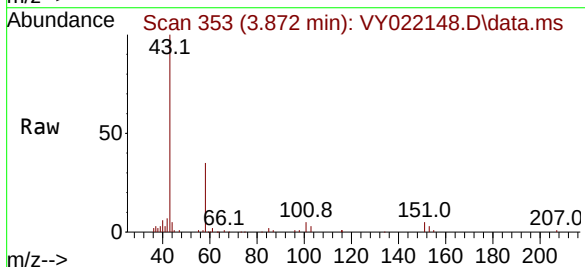
Concen: 105.963 ug/l

RT: 3.872 min Scan# 353

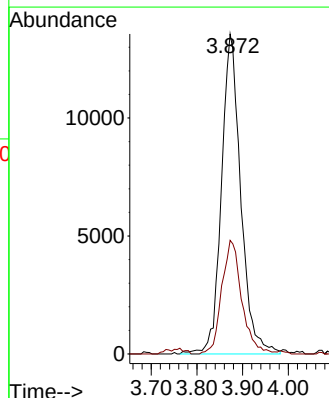
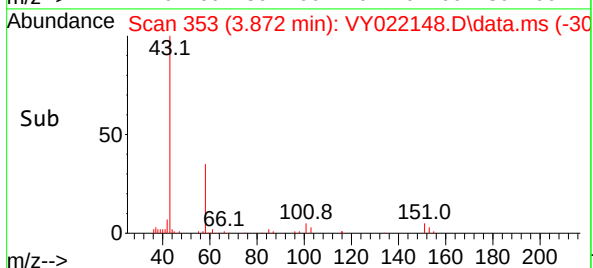
Delta R.T. -0.007 min

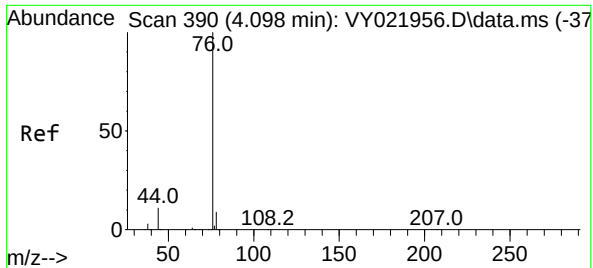
Lab File: VY022148.D

Acq: 05 May 2025 10:17



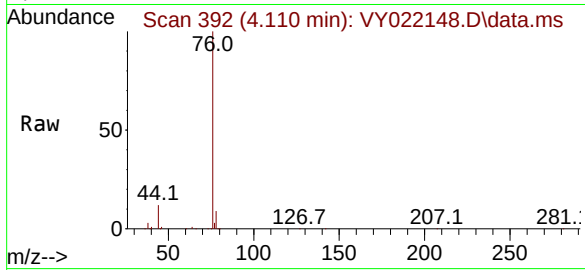
Tgt Ion:	43	Resp:	39800
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4





#17
Carbon Disulfide
Concen: 19.673 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

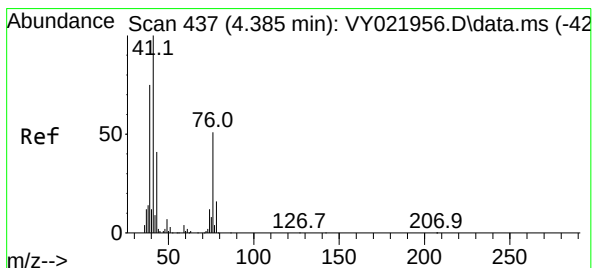
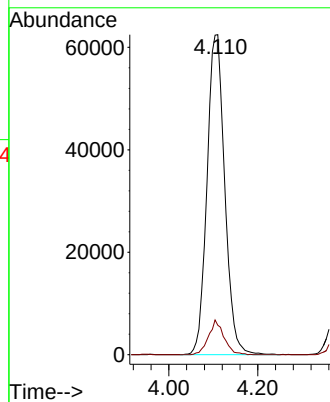
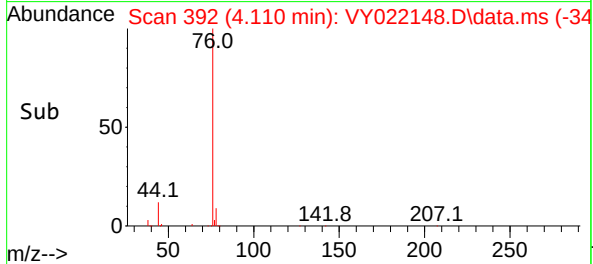
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion: 76 Resp: 17356
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

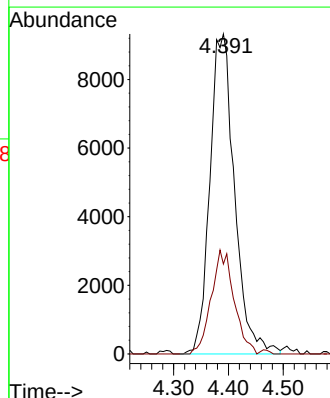
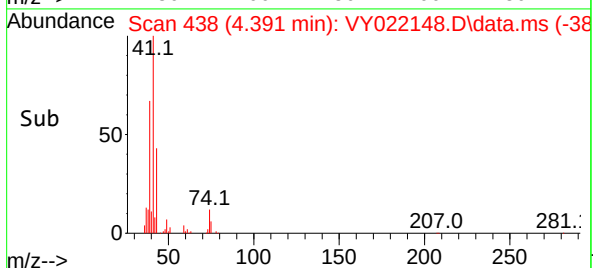
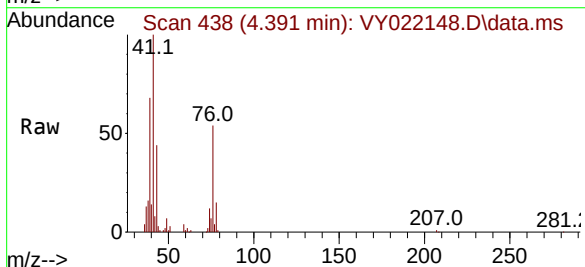
Manual Integrations
APPROVED

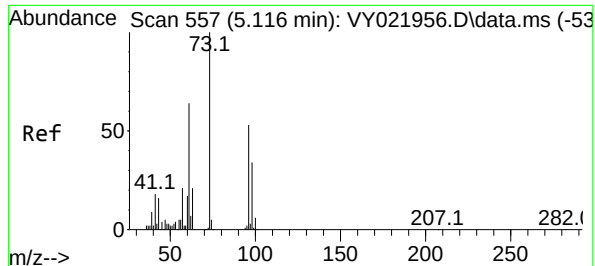
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#18
Methyl Acetate
Concen: 24.215 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 43 Resp: 29081
Ion Ratio Lower Upper
43 100
74 30.1 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 21.050 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion: 73 Resp: 130362

Ion Ratio Lower Upper

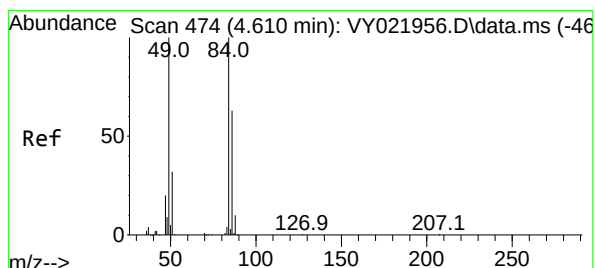
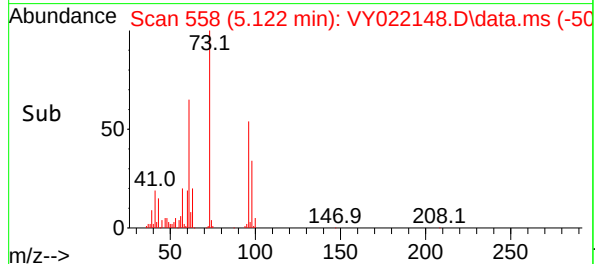
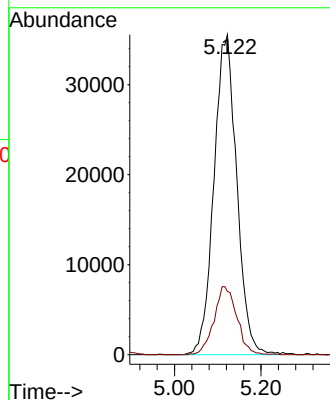
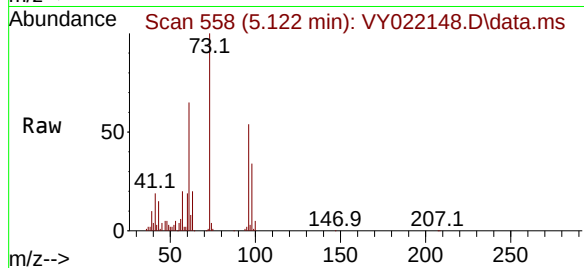
73 100

57 19.7 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#20

Methylene Chloride

Concen: 21.685 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion: 84 Resp: 70498

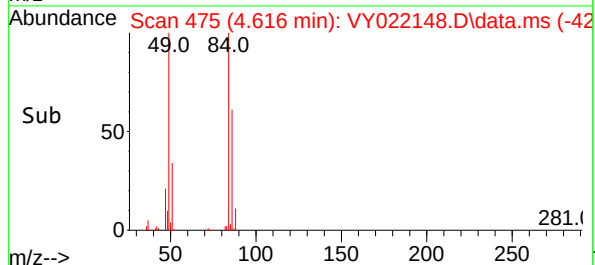
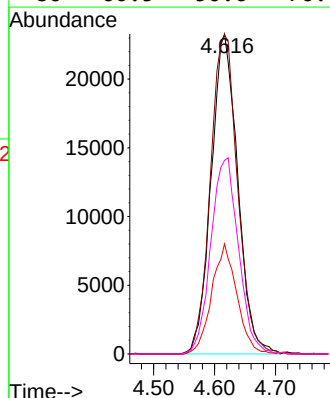
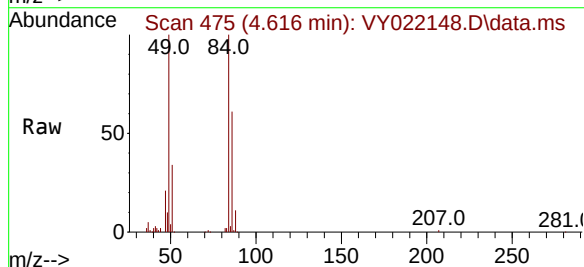
Ion Ratio Lower Upper

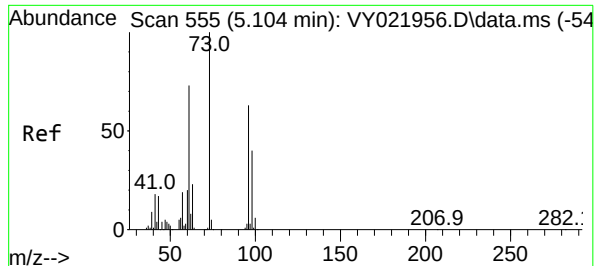
84 100

49 99.8 79.9 119.9

51 34.4 25.4 38.0

86 60.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.277 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 96 Resp: 62834

Ion Ratio Lower Upper

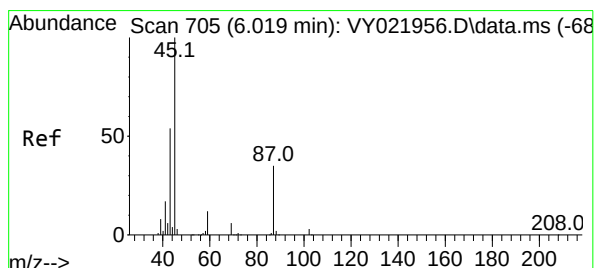
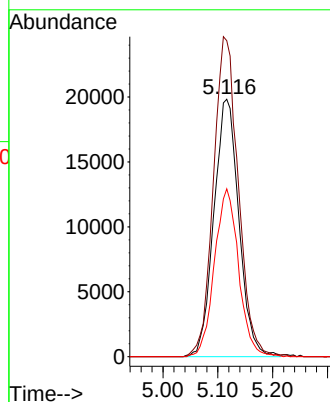
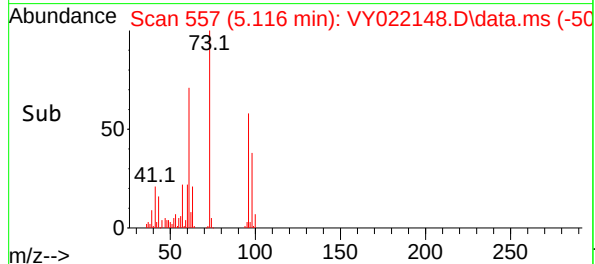
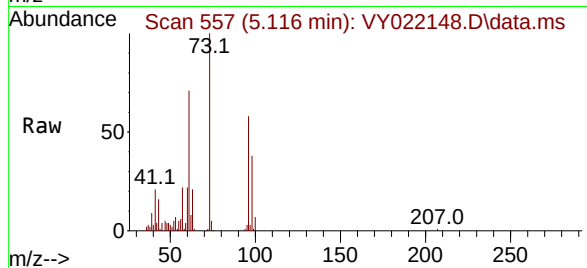
96 100

61 122.7 92.6 138.8

98 65.2 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#22

Diisopropyl ether

Concen: 21.814 ug/l

RT: 6.024 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion: 45 Resp: 156404

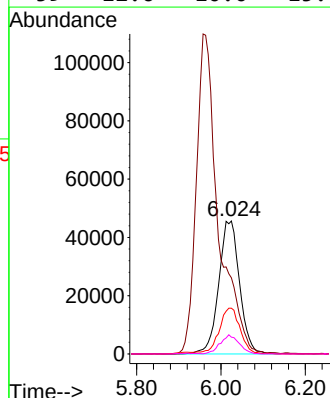
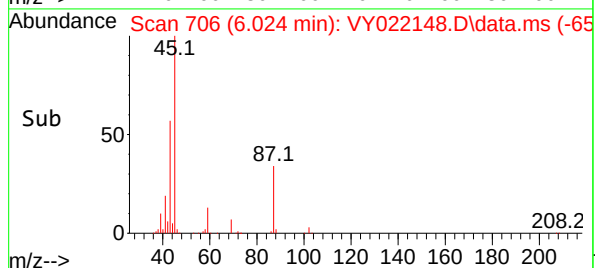
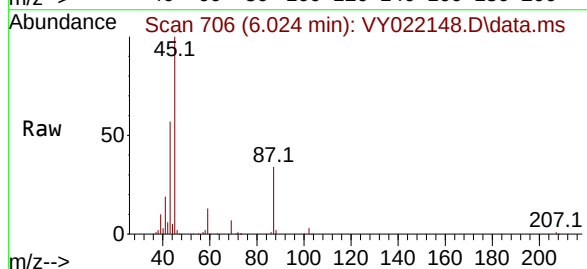
Ion Ratio Lower Upper

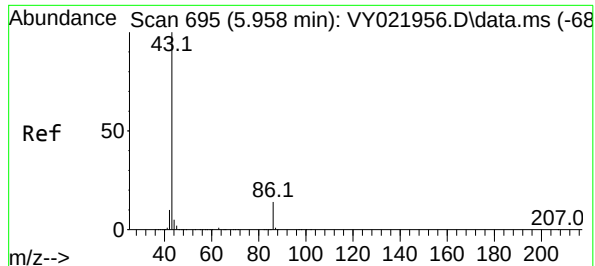
45 100

43 56.9 43.6 65.4

87 34.4 28.2 42.4

59 12.6 10.0 15.0





#23

Vinyl Acetate

Concen: 103.328 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion: 43 Resp: 399269

Ion Ratio Lower Upper

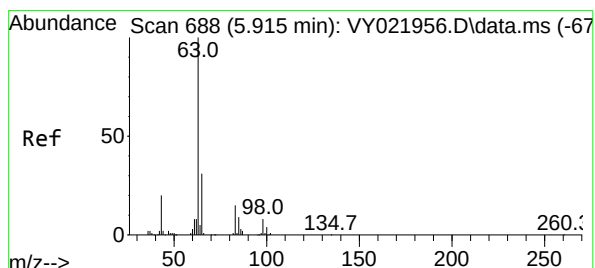
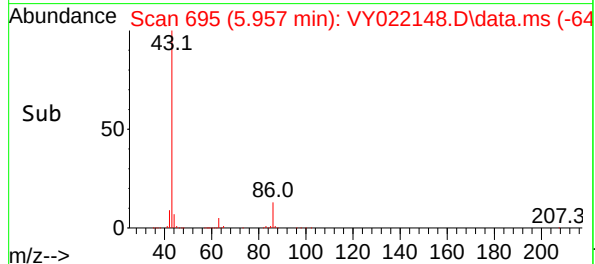
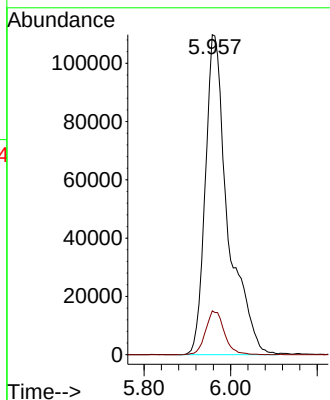
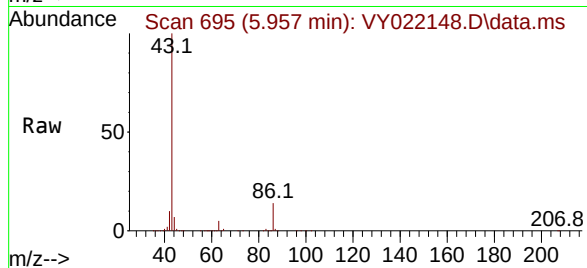
43 100

86 13.7 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#24

1,1-Dichloroethane

Concen: 21.245 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

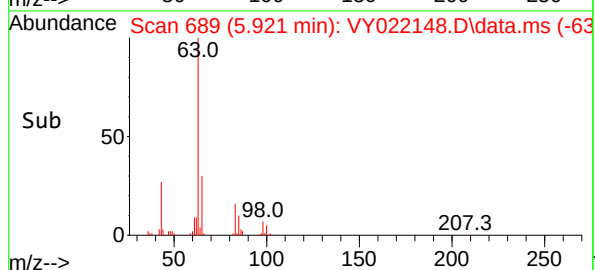
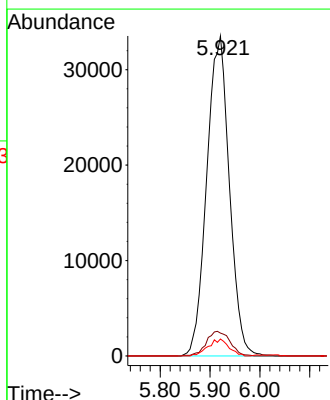
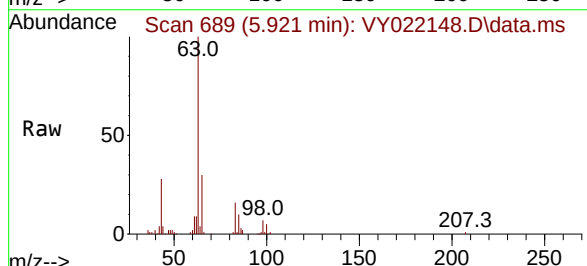
Tgt Ion: 63 Resp: 105587

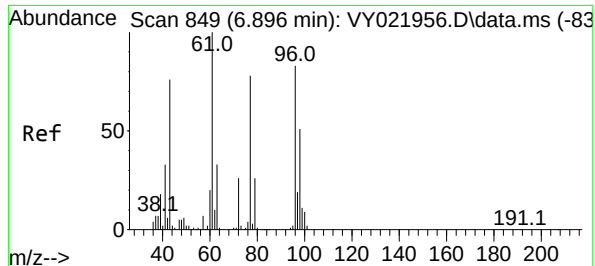
Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

100 5.3 2.0 6.0





#25

2-Butanone

Concen: 103.413 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 43 Resp: 60604

Ion Ratio Lower Upper

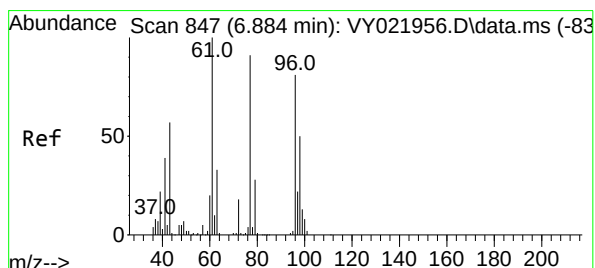
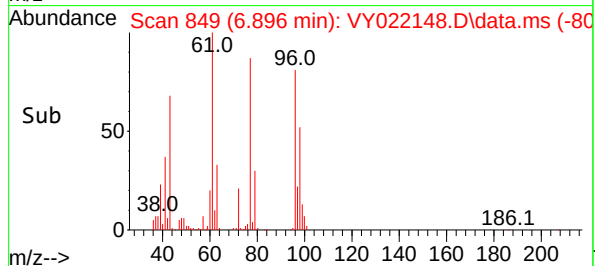
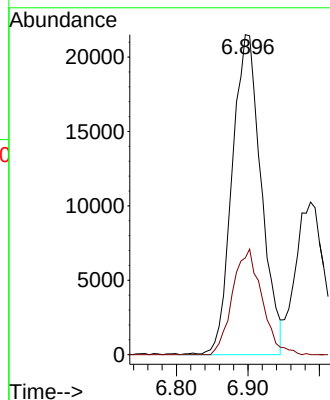
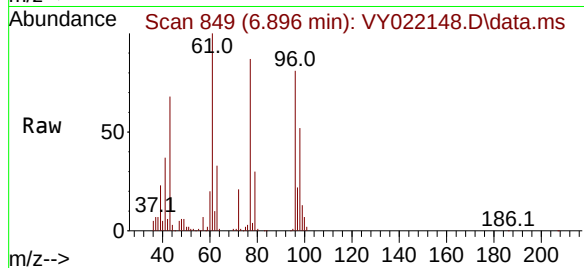
43 100

72 30.3 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#26

2,2-Dichloropropane

Concen: 21.806 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022148.D

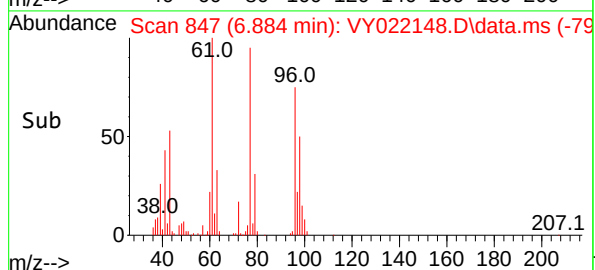
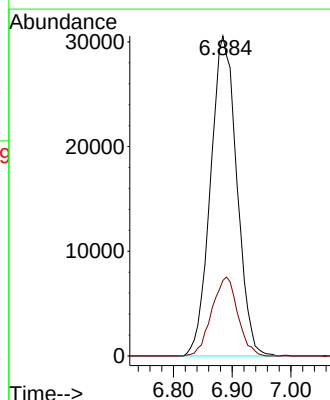
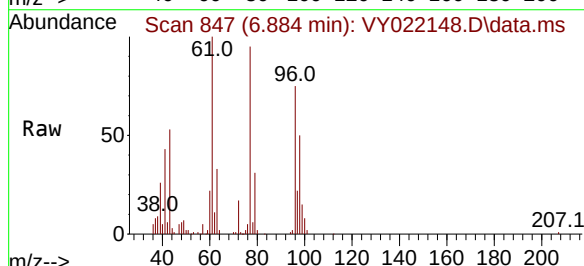
Acq: 05 May 2025 10:17

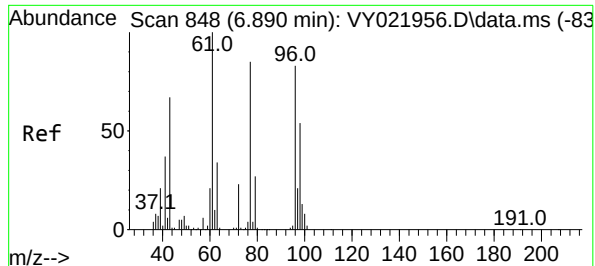
Tgt Ion: 77 Resp: 94987

Ion Ratio Lower Upper

77 100

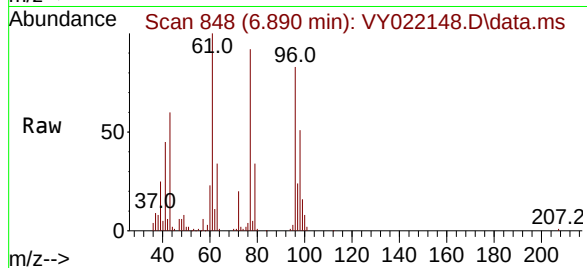
97 24.4 12.4 37.4





#27
 cis-1,2-Dichloroethene
 Concen: 20.588 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY022148.D
 Acq: 05 May 2025 10:17

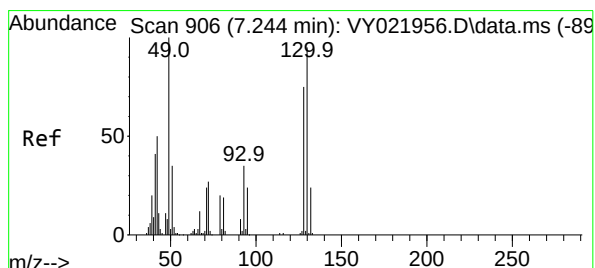
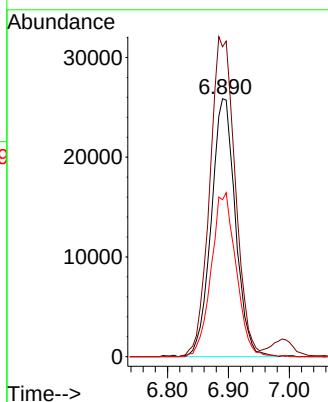
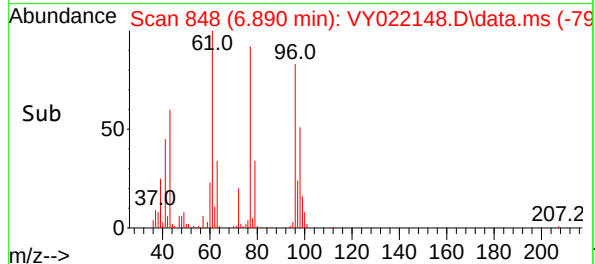
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBSD01



Tgt Ion: 96 Resp: 71338
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 251.4
 98 65.3 0.0 128.4

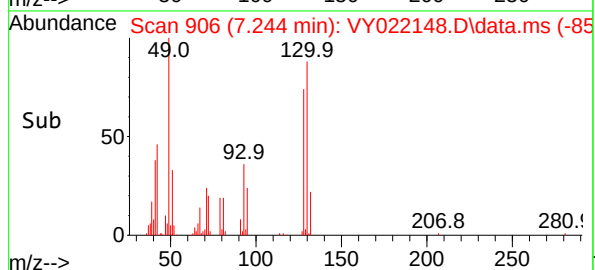
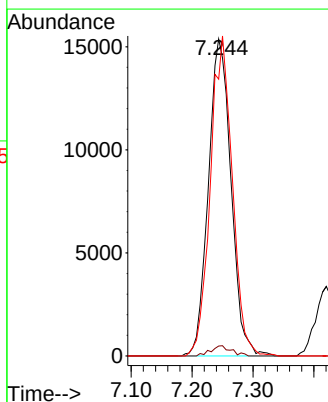
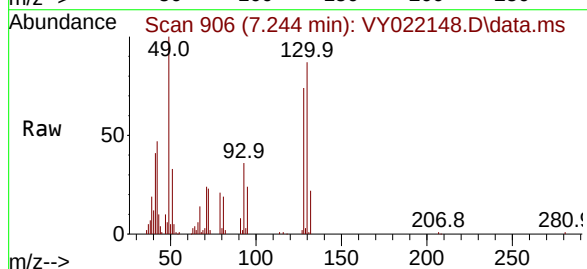
Manual Integrations
 APPROVED

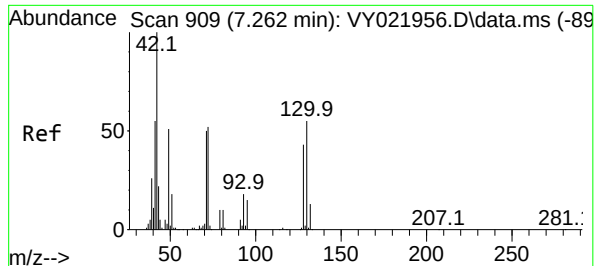
Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#28
 Bromochloromethane
 Concen: 20.558 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: VY022148.D
 Acq: 05 May 2025 10:17

Tgt Ion: 49 Resp: 39685
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.0
 130 97.8 78.2 117.4





#29

Tetrahydrofuran

Concen: 103.917 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 42 Resp: 3955

Ion Ratio Lower Upper

42 100

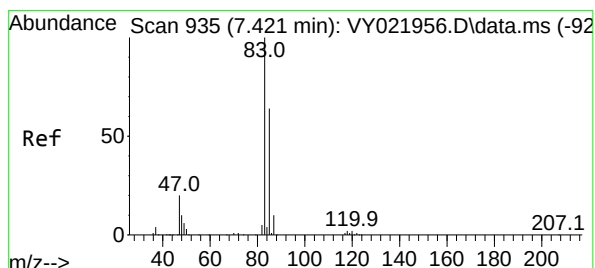
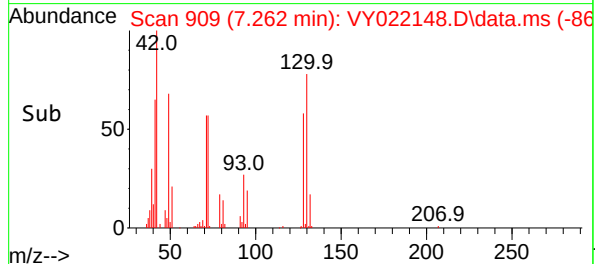
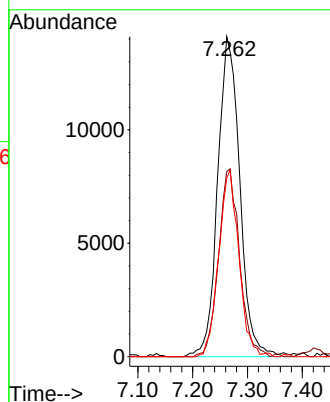
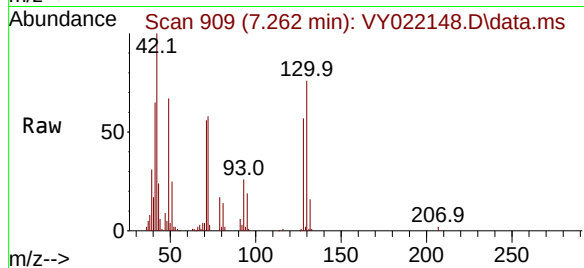
72 55.8 42.6 63.8

71 53.4 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#30

Chloroform

Concen: 21.402 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022148.D

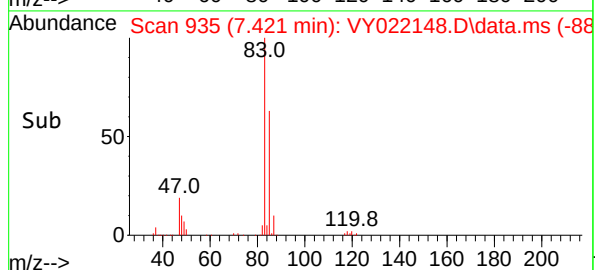
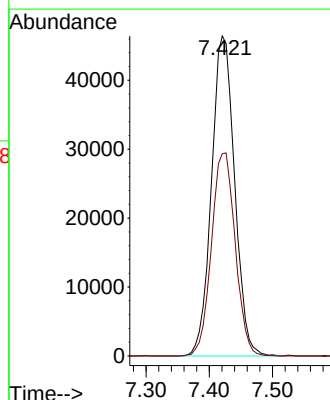
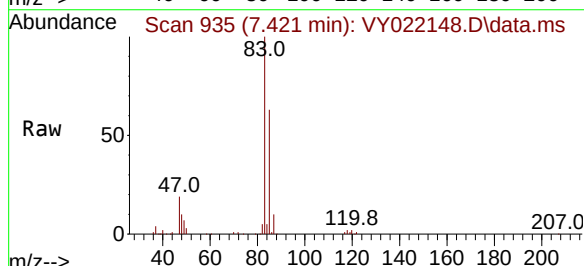
Acq: 05 May 2025 10:17

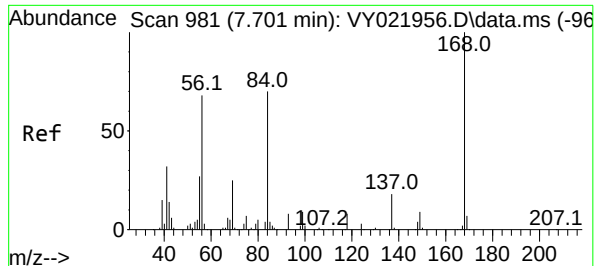
Tgt Ion: 83 Resp: 117982

Ion Ratio Lower Upper

83 100

85 63.2 51.3 76.9





#31

Cyclohexane

Concen: 20.502 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 56 Resp: 87134

Ion Ratio Lower Upper

56 100

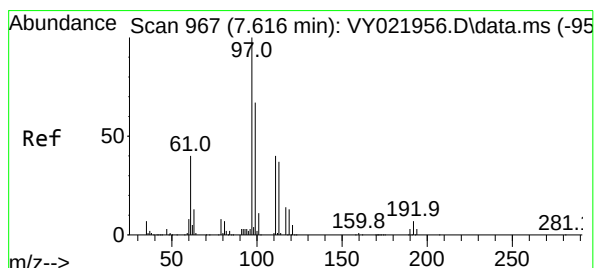
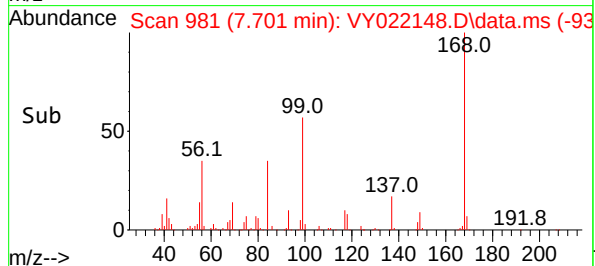
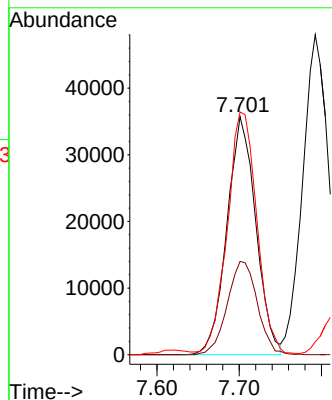
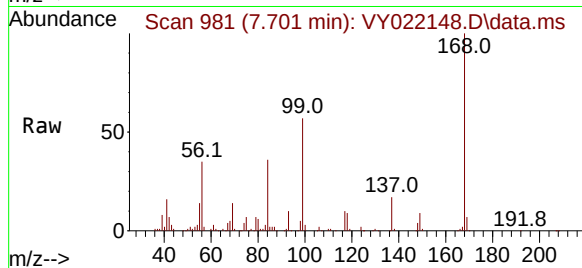
69 39.2 29.4 44.2

84 100.2 82.2 123.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#32

1,1,1-Trichloroethane

Concen: 21.189 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

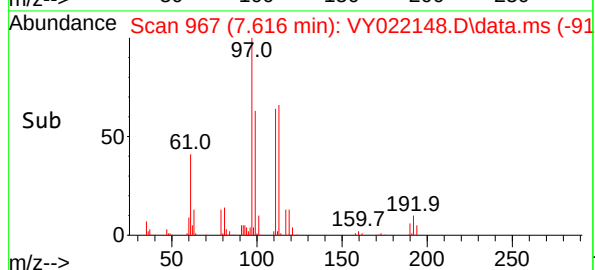
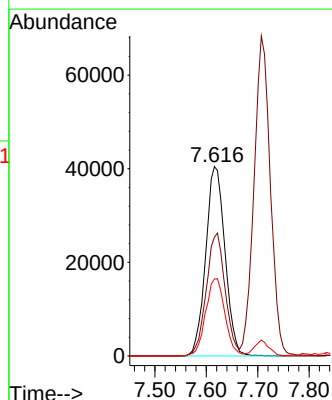
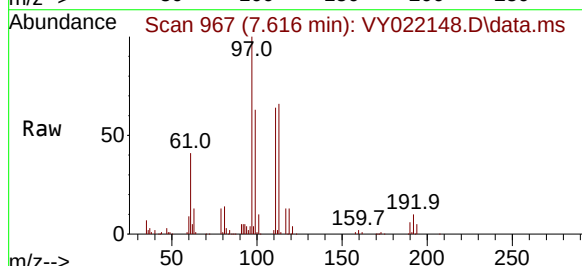
Tgt Ion: 97 Resp: 105680

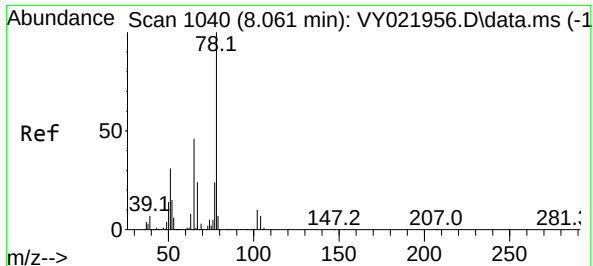
Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

61 40.8 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 48.978 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 65 Resp: 125920

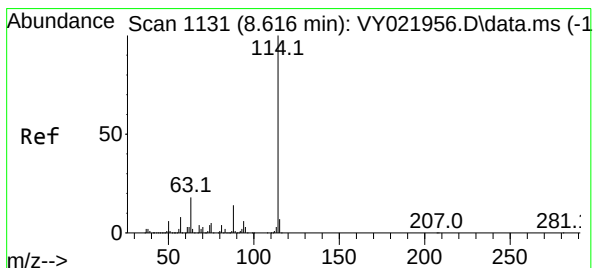
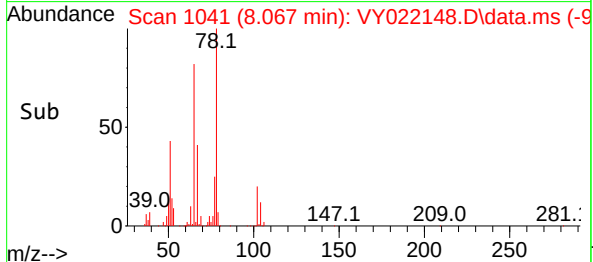
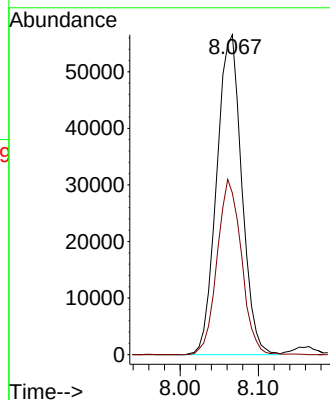
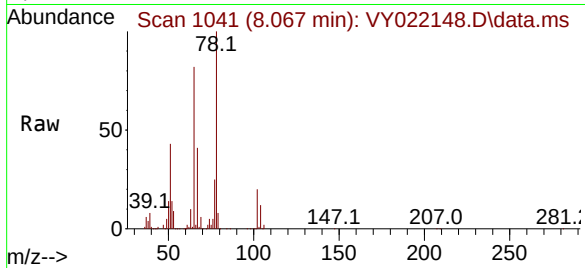
Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

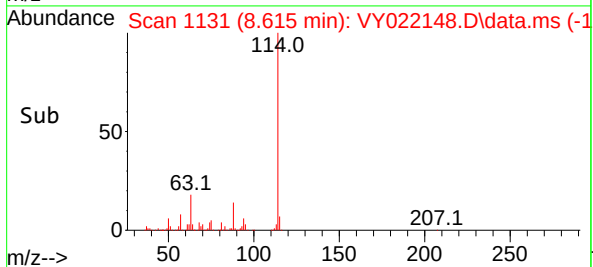
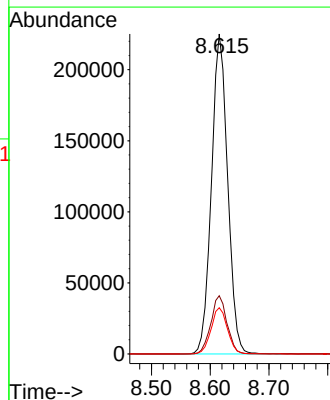
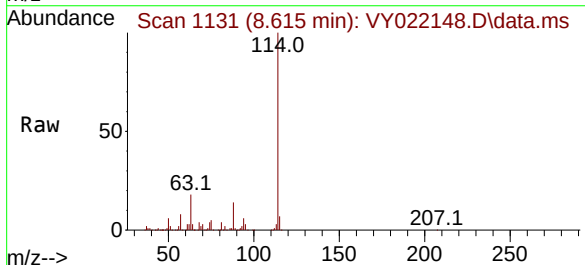
Tgt Ion:114 Resp: 430328

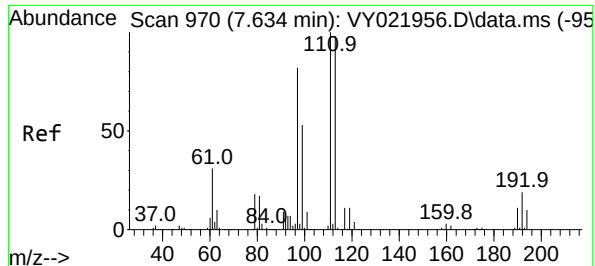
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 14.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 48.306 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:113 Resp: 13733

Ion Ratio Lower Upper

113 100

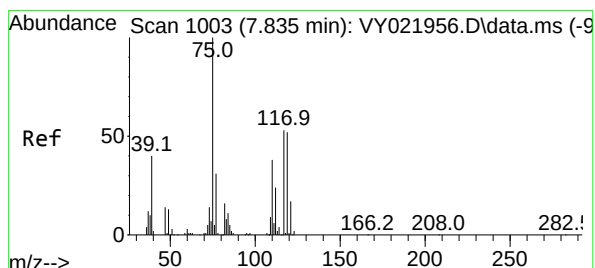
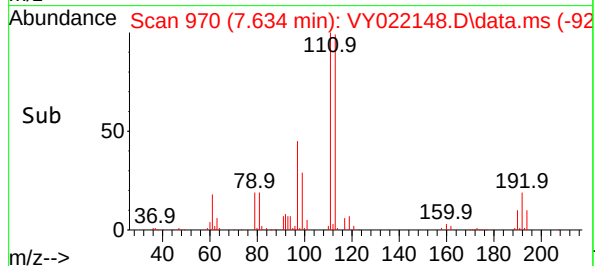
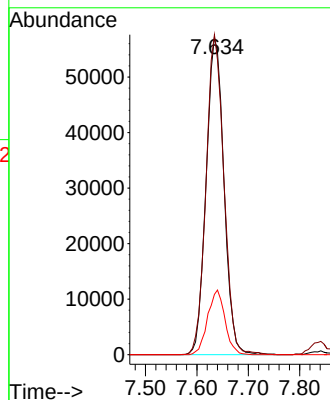
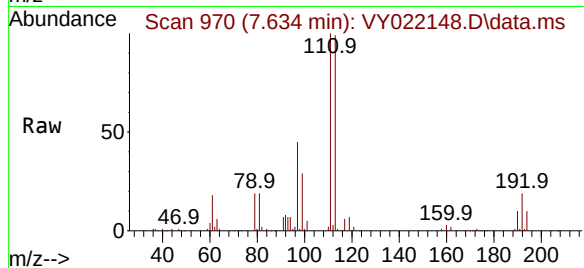
111 101.2 81.8 122.8

192 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#36

1,1-Dichloropropene

Concen: 21.339 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

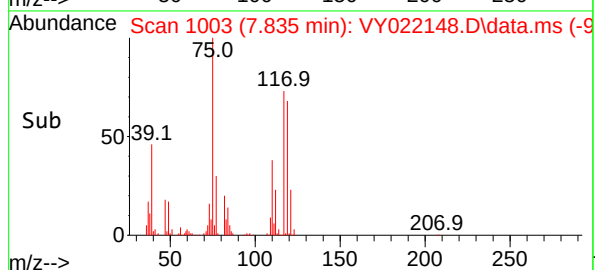
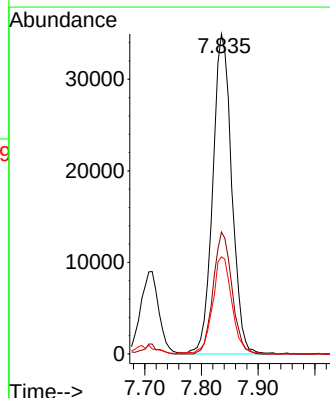
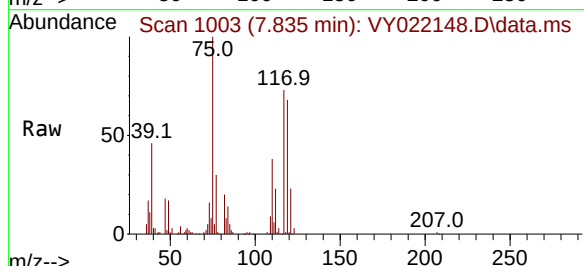
Tgt Ion: 75 Resp: 81491

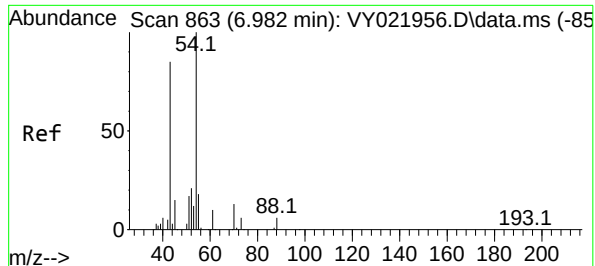
Ion Ratio Lower Upper

75 100

110 37.4 19.1 57.3

77 30.9 25.5 38.3





#37

Ethyl Acetate

Concen: 21.497 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

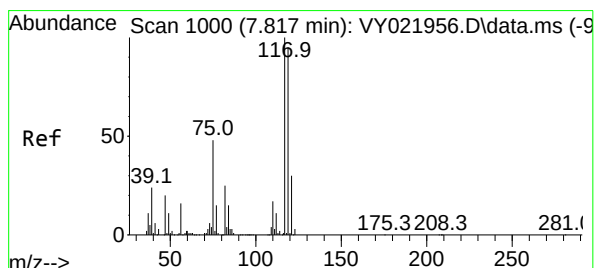
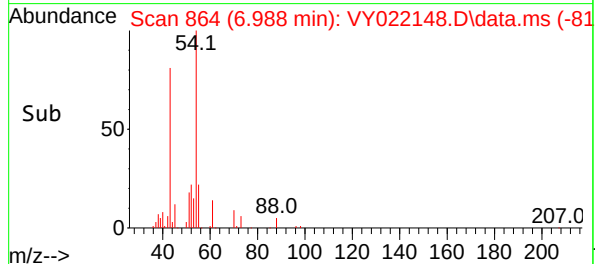
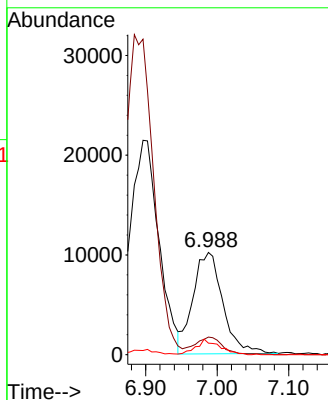
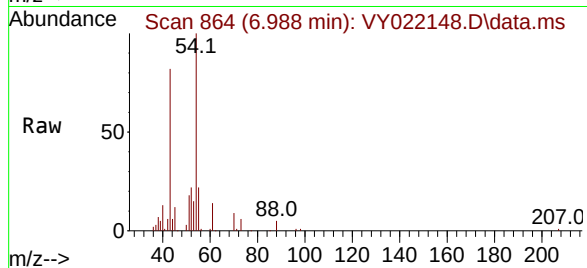
VY0505SBS01

Tgt Ion:	43	Resp:	2948
Ion Ratio	Lower	Upper	
43	100		
61	15.7	13.8	20.6
70	11.8	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#38

Carbon Tetrachloride

Concen: 21.190 ug/l

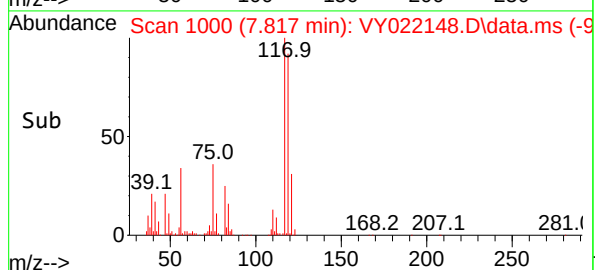
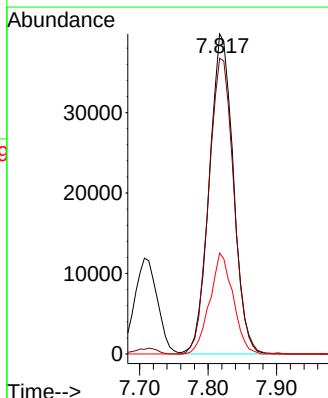
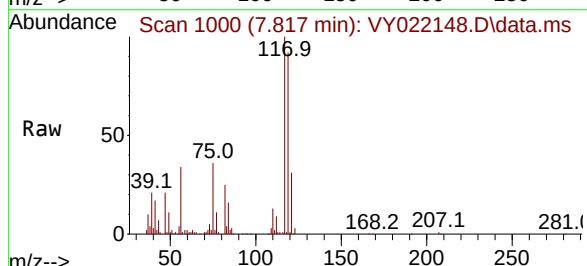
RT: 7.817 min Scan# 1000

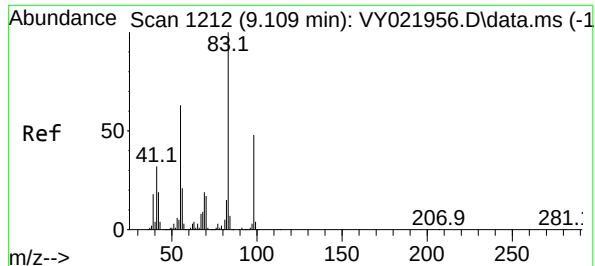
Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion:	117	Resp:	96698
Ion Ratio	Lower	Upper	
117	100		
119	92.4	76.2	114.4
121	31.5	24.0	36.0





#39

Methylcyclohexane

Concen: 20.580 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 83 Resp: 98904

Ion Ratio Lower Upper

83 100

55 68.8 50.6 75.8

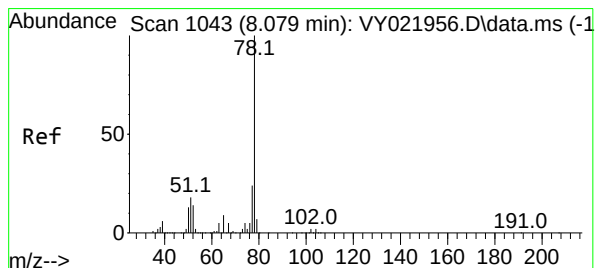
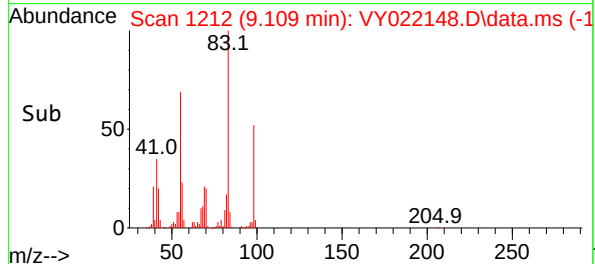
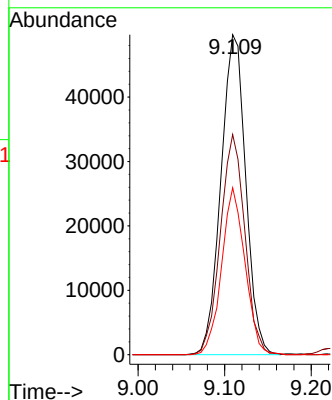
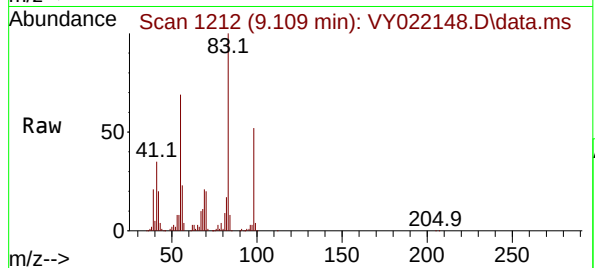
98 52.2 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025

Supervised By :Semsettin Yesilyurt 05/06/2025



#40

Benzene

Concen: 21.076 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022148.D

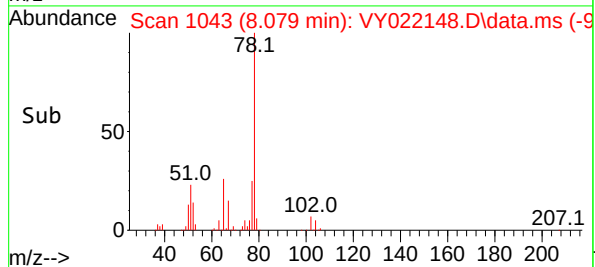
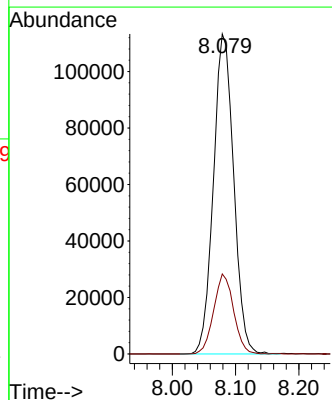
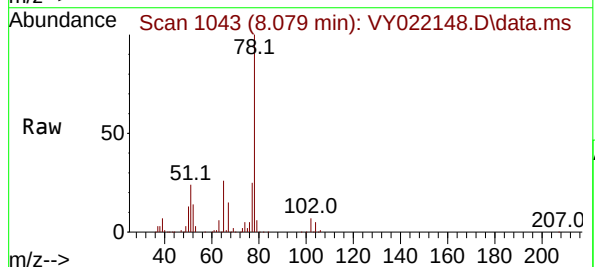
Acq: 05 May 2025 10:17

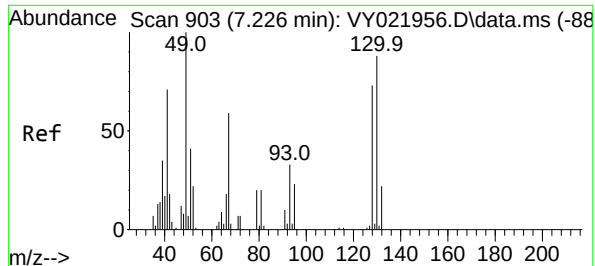
Tgt Ion: 78 Resp: 251594

Ion Ratio Lower Upper

78 100

77 25.0 19.3 28.9





#41

Methacrylonitrile

Concen: 17.080 ug/l

RT: 7.219 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY022148.D

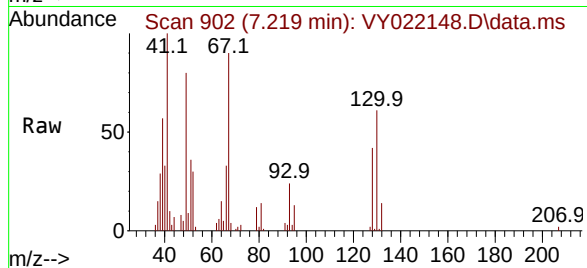
Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01



Tgt Ion: 41 Resp: 12800

Ion Ratio Lower Upper

41 100

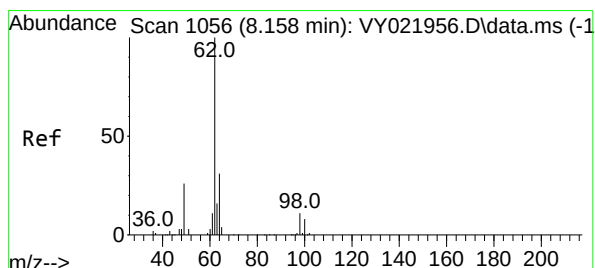
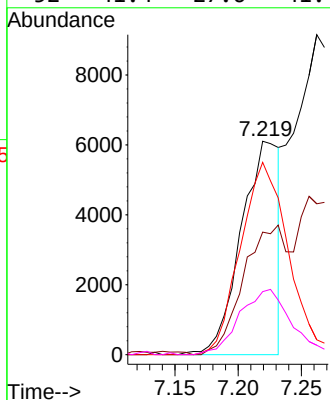
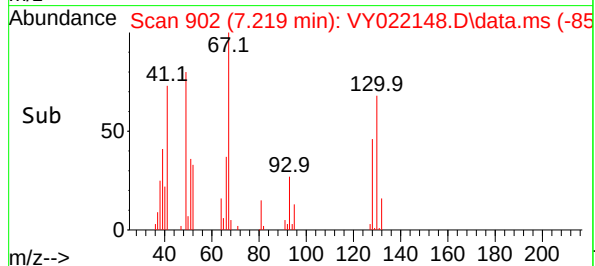
39 74.8 36.6 55.0

67 114.4 72.2 108.4

52 41.4 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#42

1,2-Dichloroethane

Concen: 22.255 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022148.D

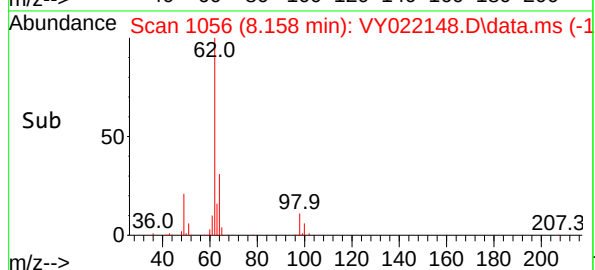
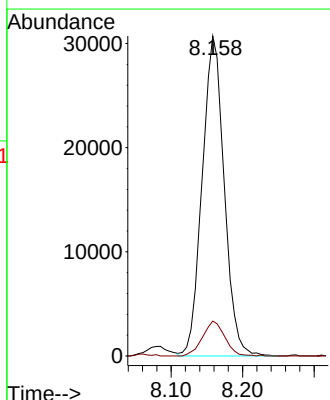
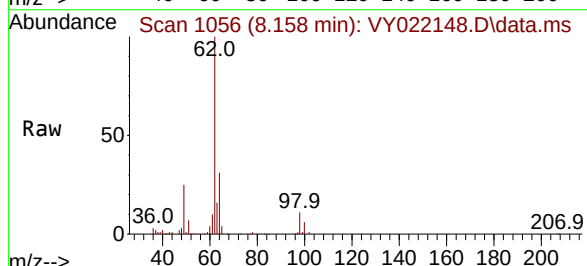
Acq: 05 May 2025 10:17

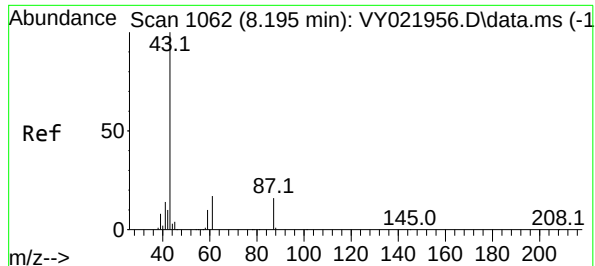
Tgt Ion: 62 Resp: 65776

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.814 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

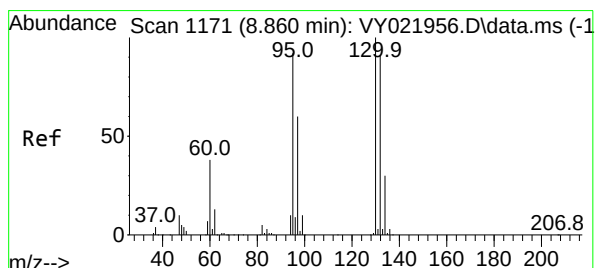
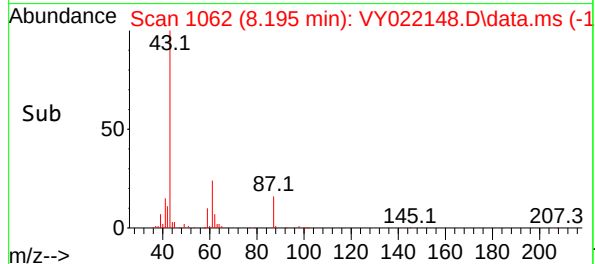
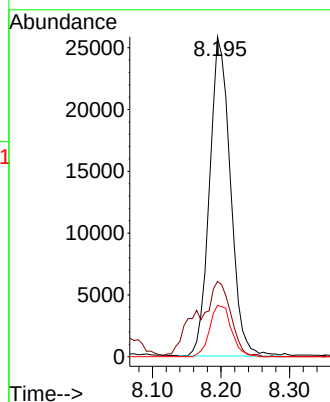
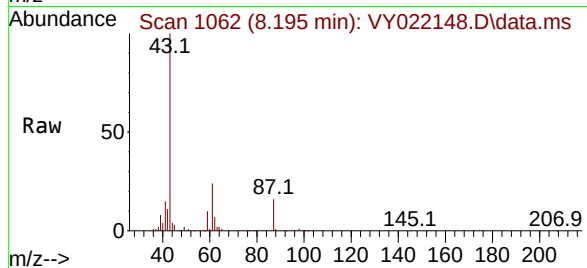
VY0505SBSD01

Tgt Ion:	43	Resp:	54824
Ion	Ratio	Lower	Upper
43	100		
61	25.5	18.9	28.3
87	16.7	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#44

Trichloroethene

Concen: 21.242 ug/l

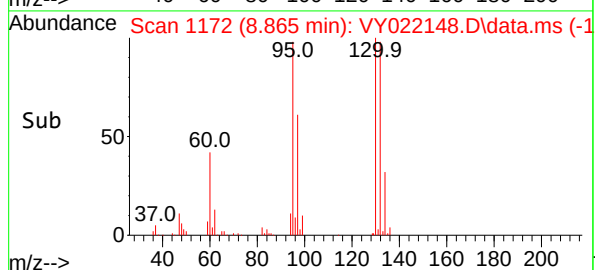
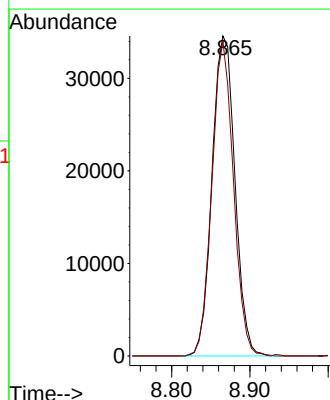
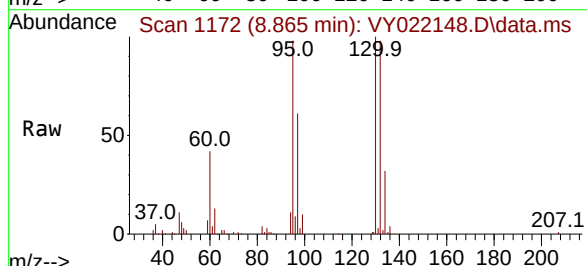
RT: 8.865 min Scan# 1172

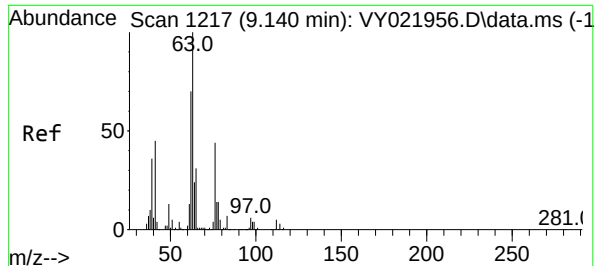
Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion:	130	Resp:	70239
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	183.2





#45

1,2-Dichloropropane

Concen: 21.625 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 63 Resp: 5708

Ion Ratio Lower Upper

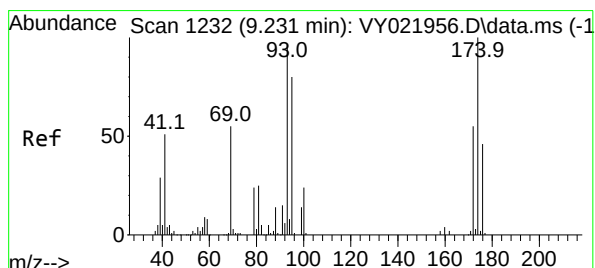
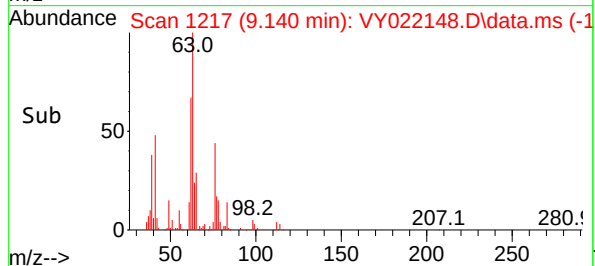
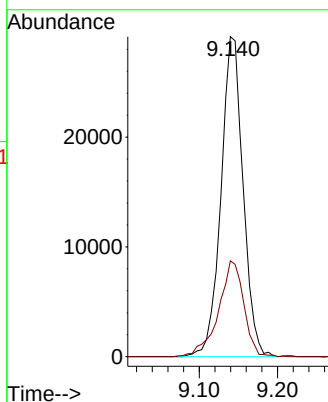
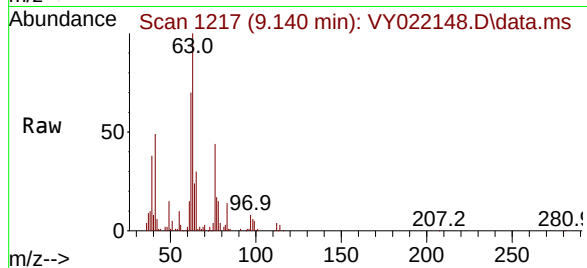
63 100

65 29.9 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#46

Dibromomethane

Concen: 21.133 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

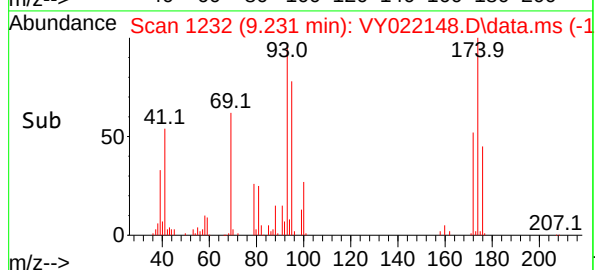
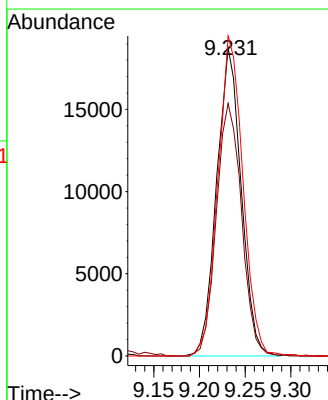
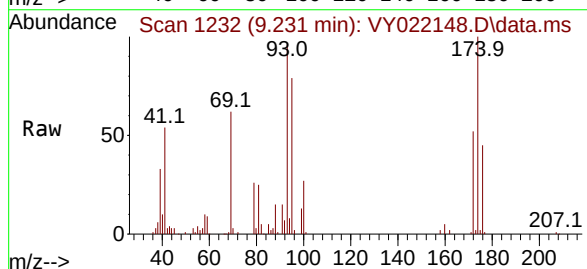
Tgt Ion: 93 Resp: 34924

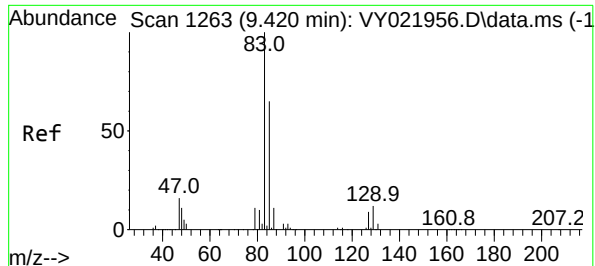
Ion Ratio Lower Upper

93 100

95 84.4 66.7 100.1

174 106.5 84.6 127.0





#47

Bromodichloromethane

Concen: 21.631 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

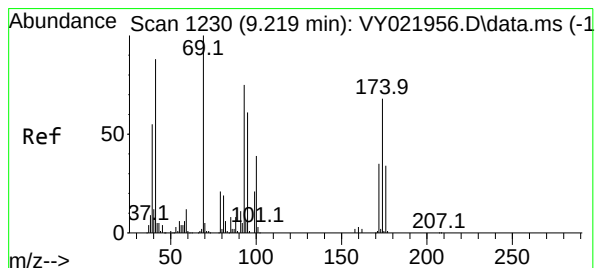
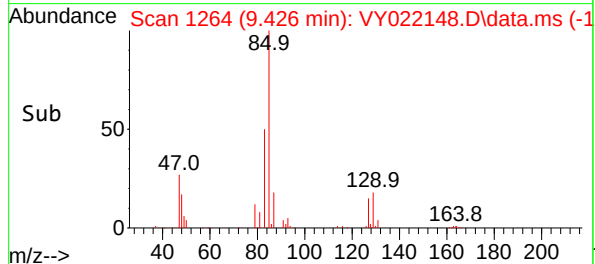
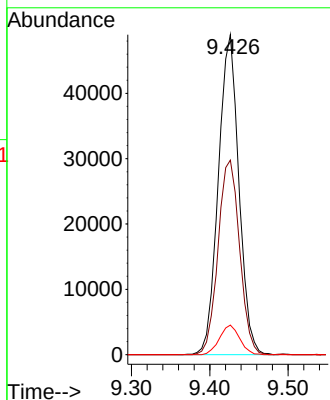
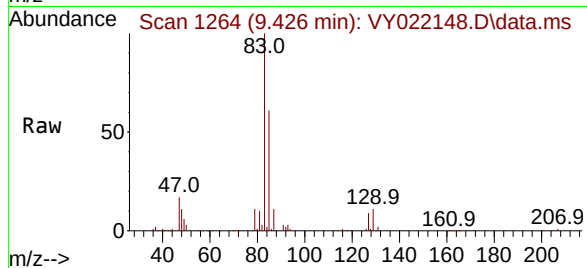
VY0505SBSD01

Tgt Ion:	83	Resp:	8930
Ion Ratio	Lower	Upper	
83	100		
85	60.8	51.8	77.8
127	9.2	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#48

Methyl methacrylate

Concen: 21.146 ug/l

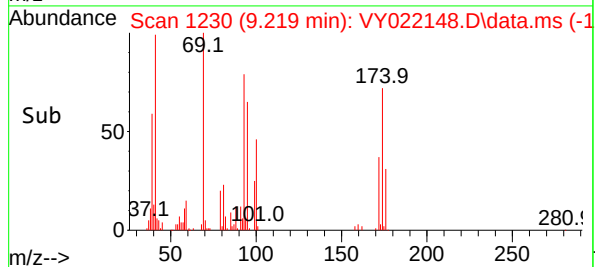
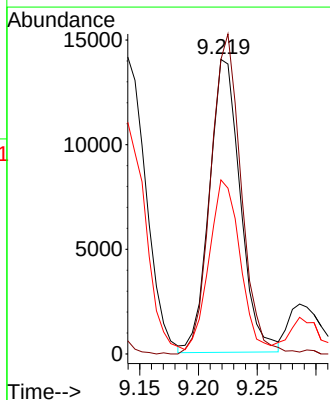
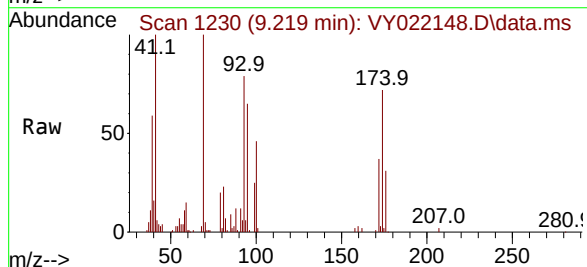
RT: 9.219 min Scan# 1230

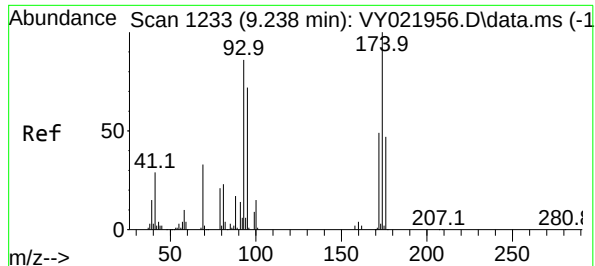
Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion:	41	Resp:	25748
Ion Ratio	Lower	Upper	
41	100		
69	106.8	85.5	128.3
39	57.3	46.2	69.4





#49

1,4-Dioxane

Concen: 407.122 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion: 88 Resp: 717

Ion Ratio Lower Upper

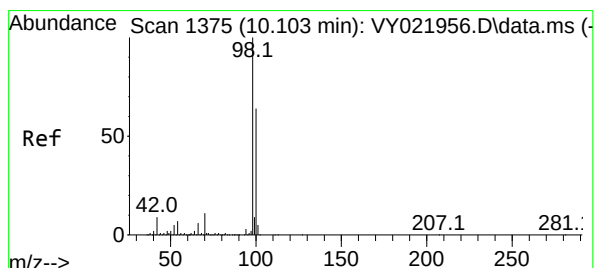
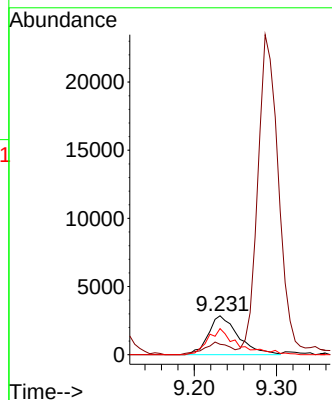
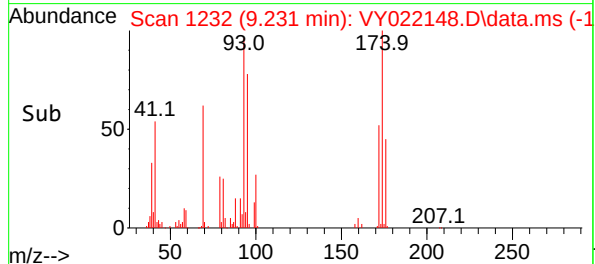
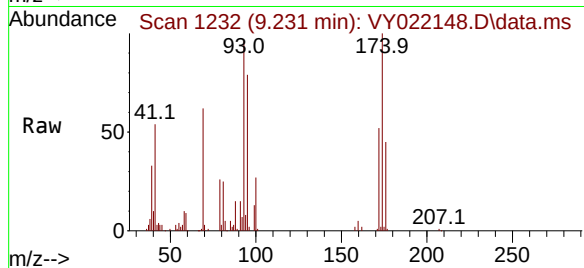
88 100

43 26.6 21.3 31.9

58 67.4 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#50

Toluene-d8

Concen: 48.516 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022148.D

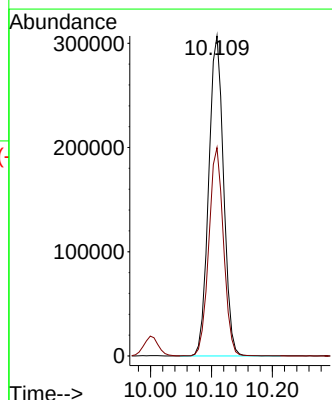
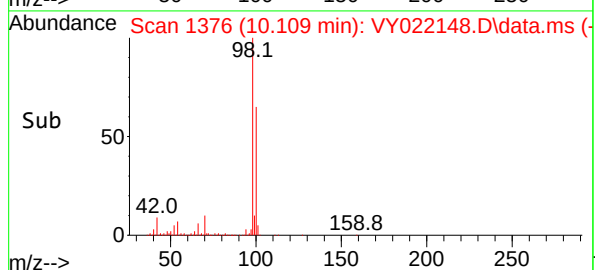
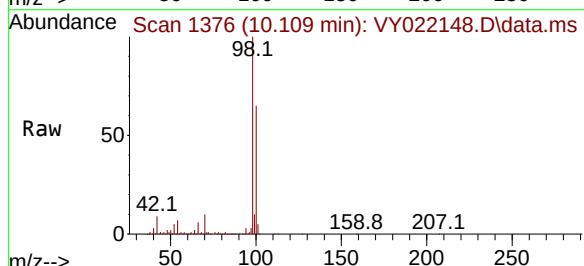
Acq: 05 May 2025 10:17

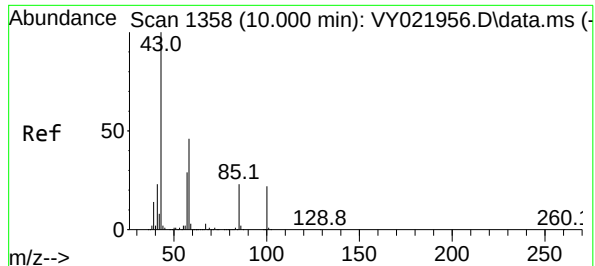
Tgt Ion: 98 Resp: 519993

Ion Ratio Lower Upper

98 100

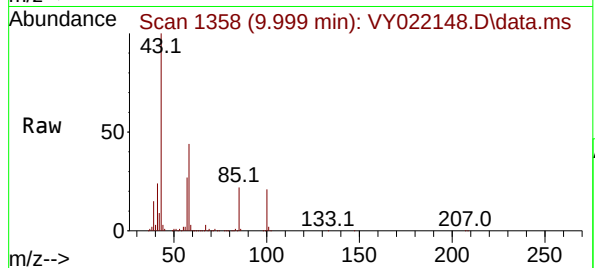
100 64.4 51.6 77.4





#51
4-Methyl-2-Pentanone
Concen: 108.242 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

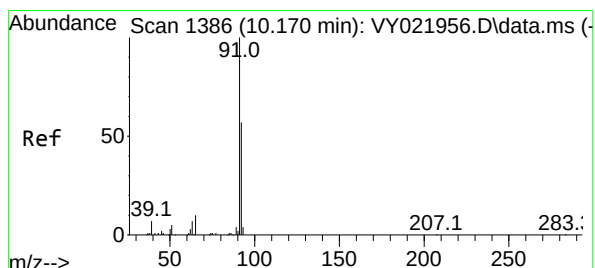
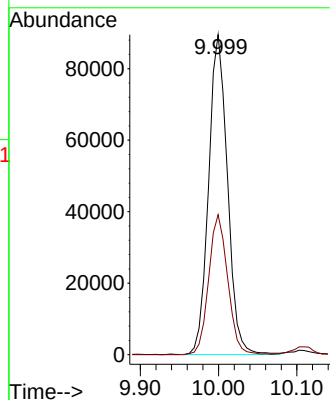
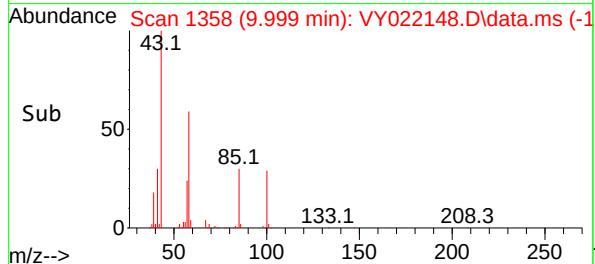
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion: 43 Resp: 149450
Ion Ratio Lower Upper
43 100
58 44.1 36.6 55.0

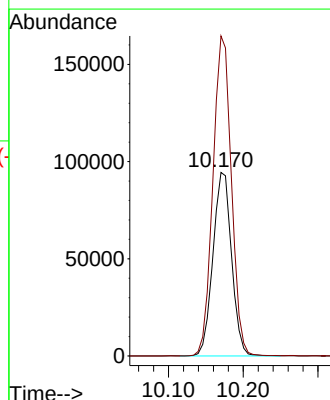
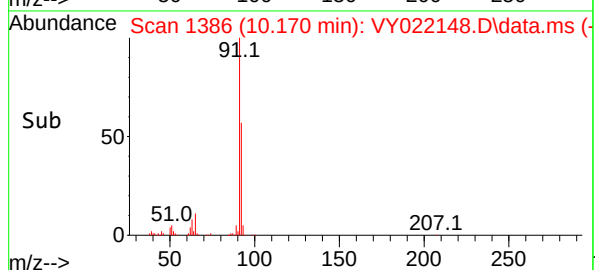
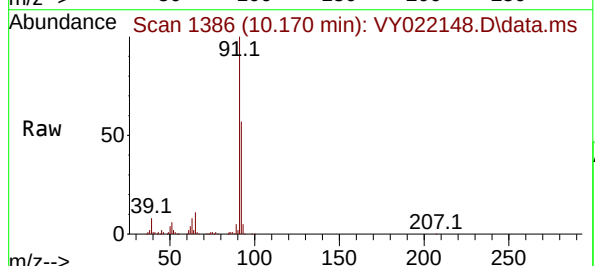
Manual Integrations
APPROVED

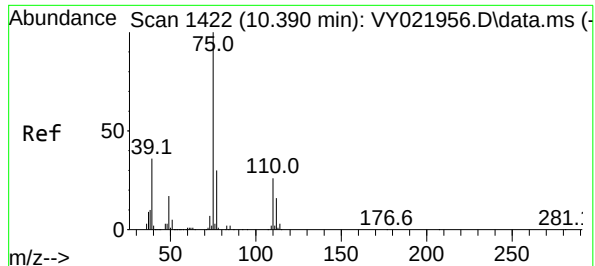
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#52
Toluene
Concen: 21.164 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

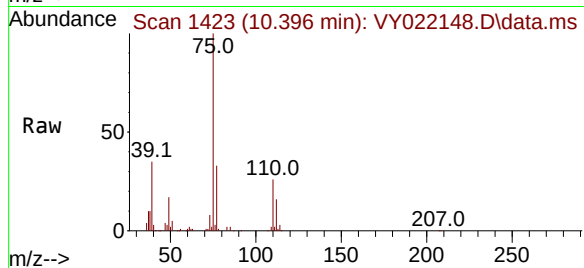
Tgt Ion: 92 Resp: 163538
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 21.364 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

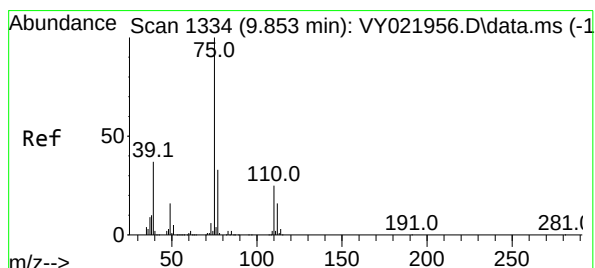
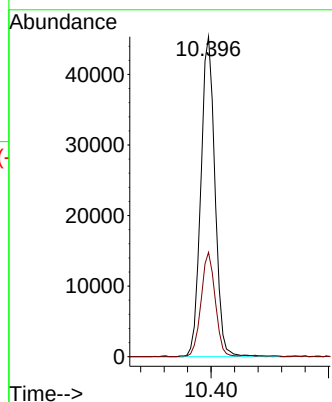
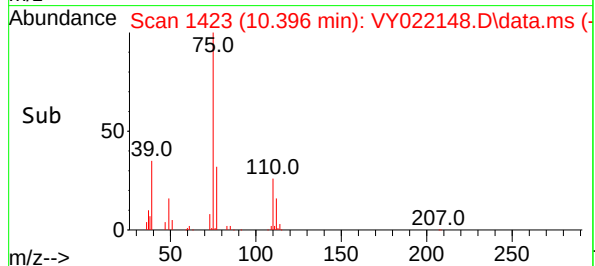
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion: 75 Resp: 7565
Ion Ratio Lower Upper
75 100
77 32.4 24.0 36.0

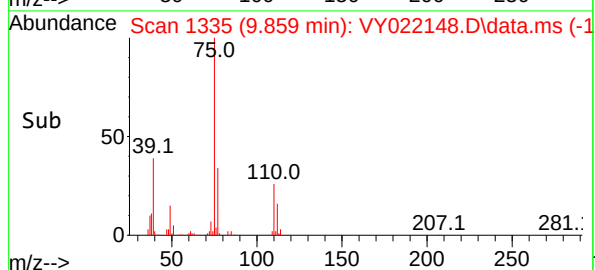
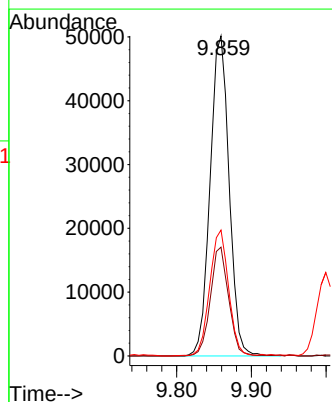
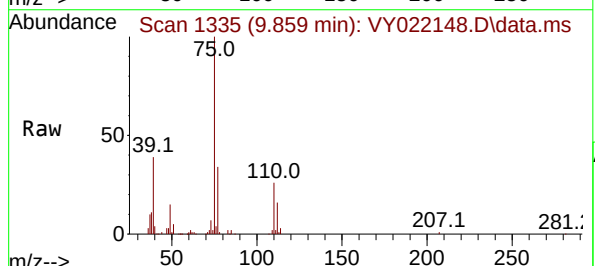
Manual Integrations
APPROVED

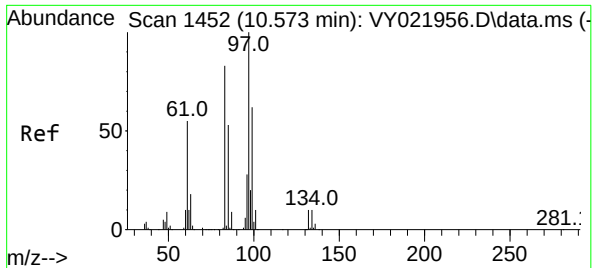
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#54
cis-1,3-Dichloropropene
Concen: 21.036 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

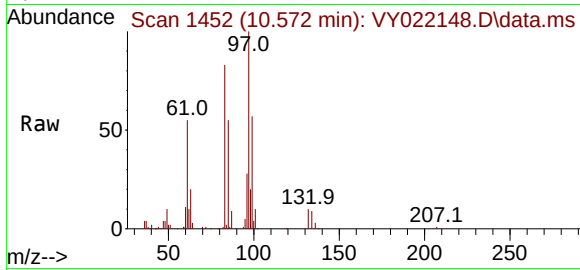
Tgt Ion: 75 Resp: 88548
Ion Ratio Lower Upper
75 100
77 34.0 26.6 40.0
39 39.2 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 21.291 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

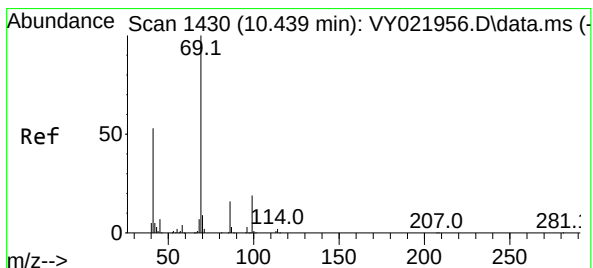
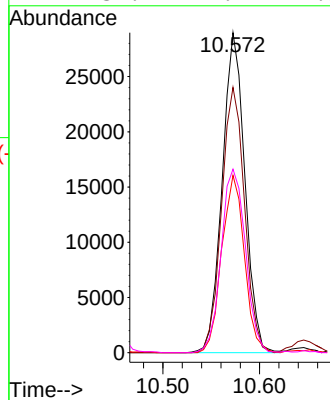
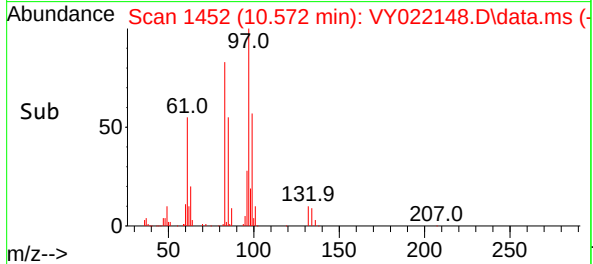
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 97 Resp: 46999
Ion Ratio Lower Upper
97 100
83 82.9 66.7 100.1
85 55.4 42.6 64.0
99 57.4 49.7 74.5

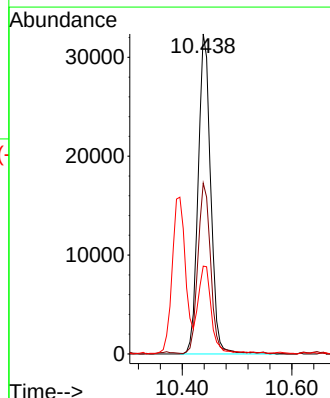
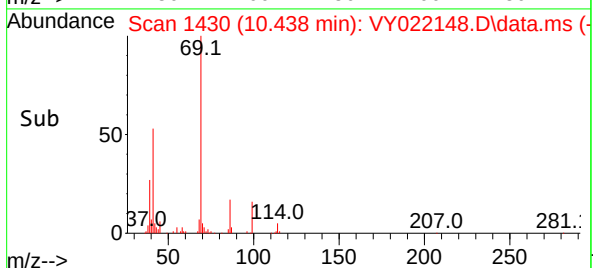
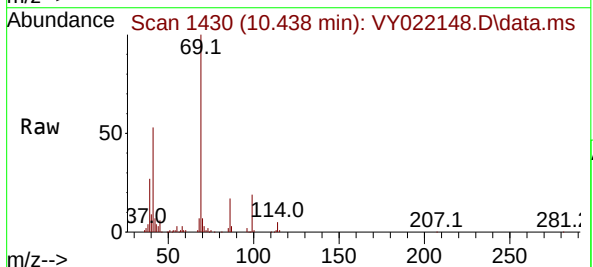
Manual Integrations
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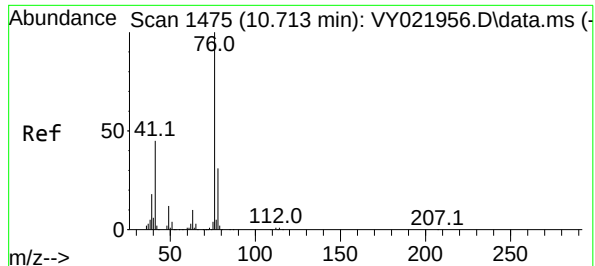
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#56
Ethyl methacrylate
Concen: 20.433 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 69 Resp: 51580
Ion Ratio Lower Upper
69 100
41 54.1 40.7 61.1
39 27.3 23.3 34.9





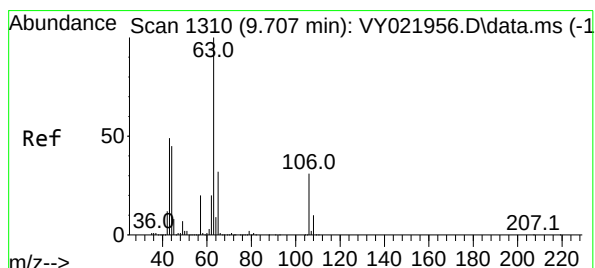
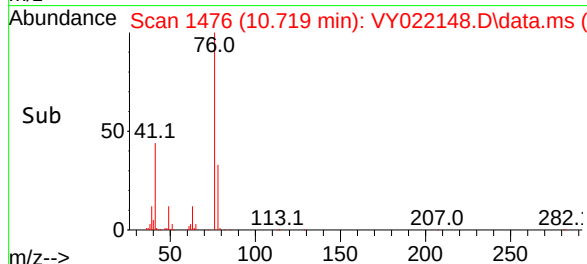
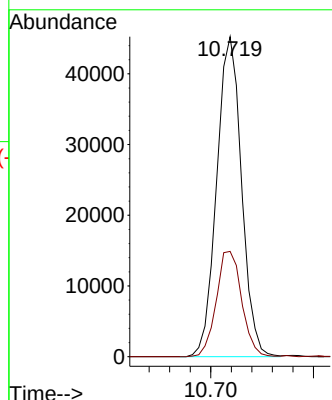
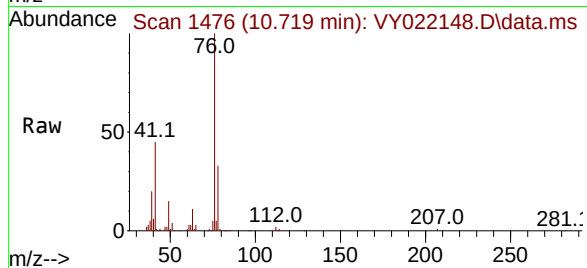
#57
1,3-Dichloropropane
Concen: 21.439 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01

Tgt Ion: 76 Resp: 75869
Ion Ratio Lower Upper
76 100
78 33.7 26.6 39.8

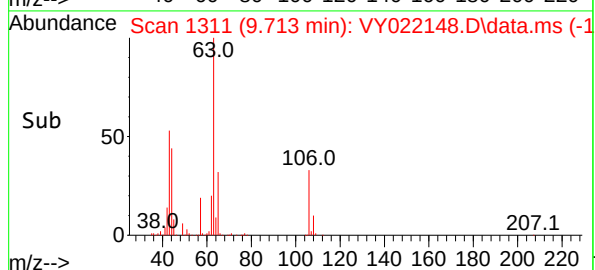
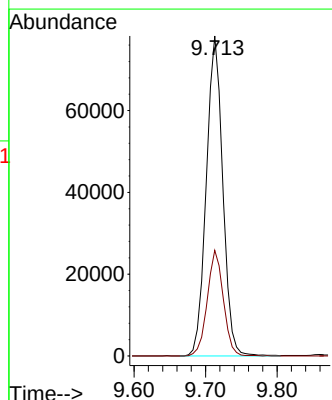
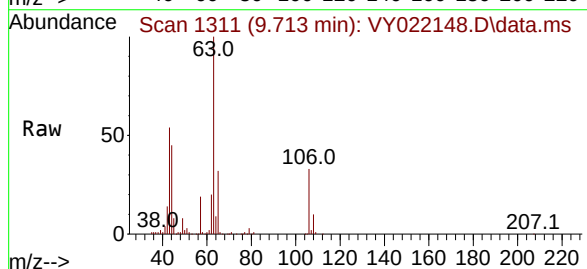
Manual Integrations
APPROVED

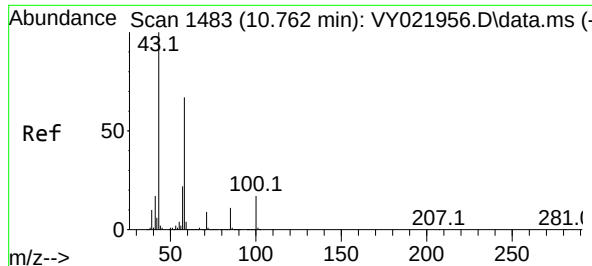
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#58
2-Chloroethyl Vinyl ether
Concen: 101.547 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 63 Resp: 125334
Ion Ratio Lower Upper
63 100
106 32.2 25.3 37.9





#59

2-Hexanone

Concen: 106.206 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion: 43 Resp: 96724

Ion Ratio Lower Upper

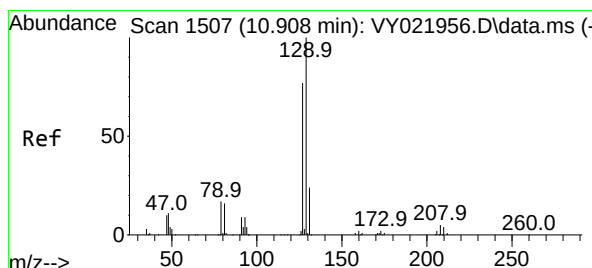
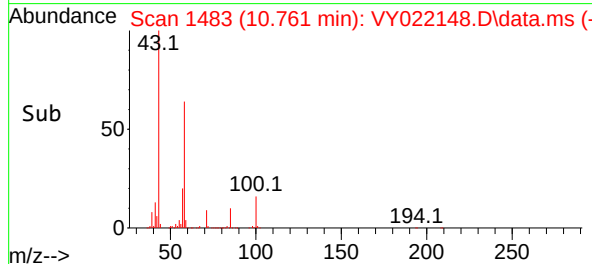
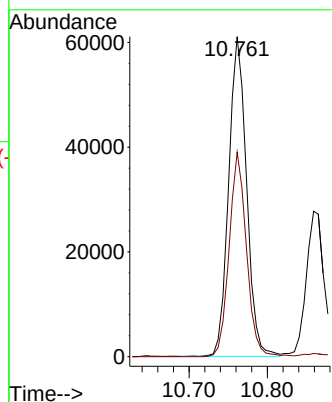
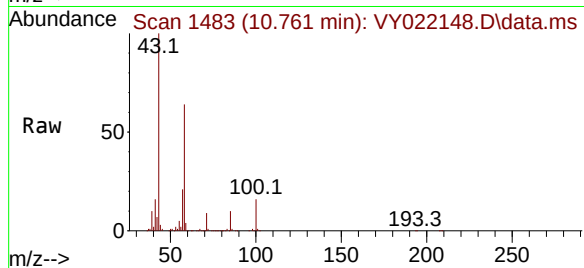
43 100

58 62.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#60

Dibromochloromethane

Concen: 21.121 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY022148.D

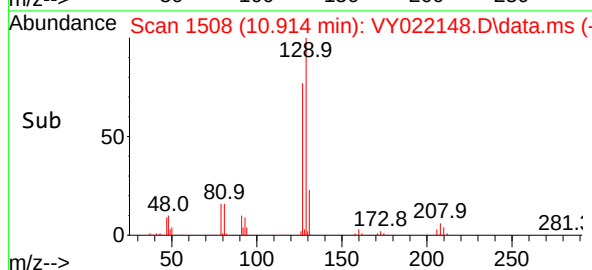
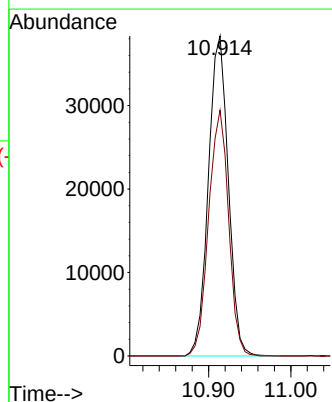
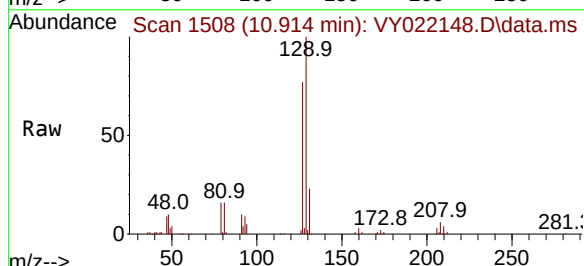
Acq: 05 May 2025 10:17

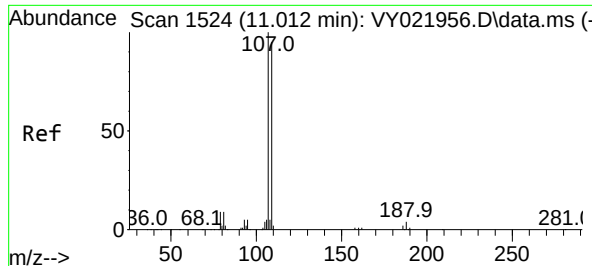
Tgt Ion:129 Resp: 64549

Ion Ratio Lower Upper

129 100

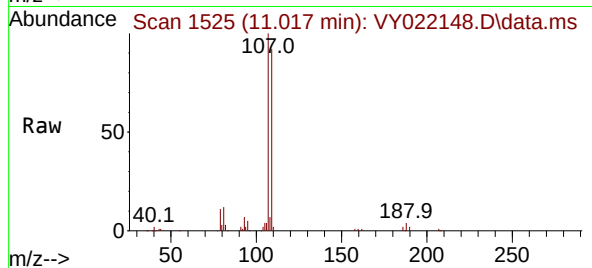
127 76.7 38.5 115.3





#61
1,2-Dibromoethane
Concen: 21.531 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

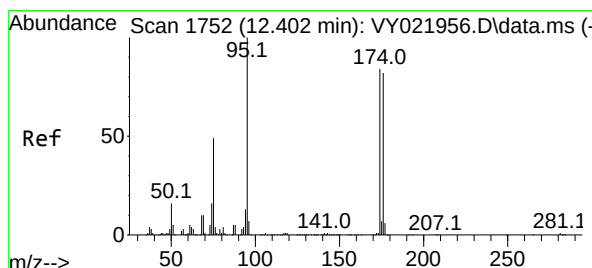
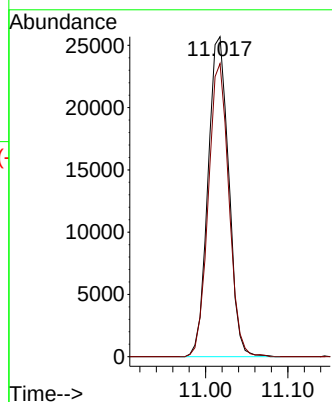
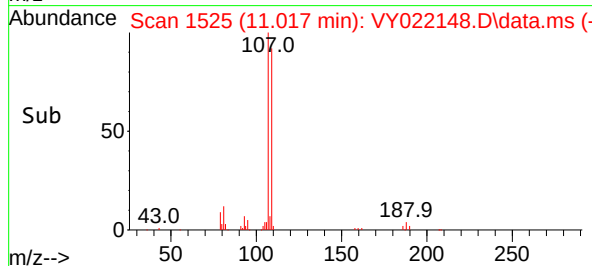
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



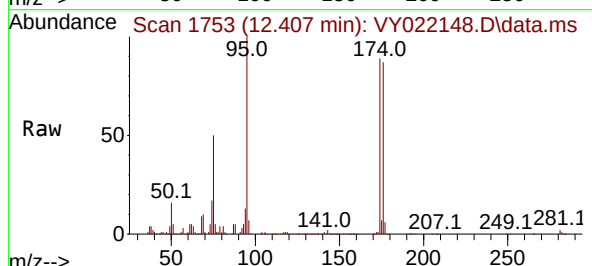
Tgt Ion:107 Resp: 44870
Ion Ratio Lower Upper
107 100
109 90.9 75.8 113.8

Manual Integrations
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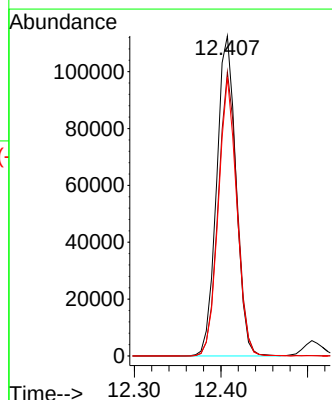
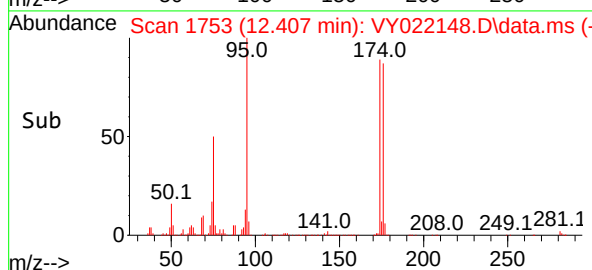
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

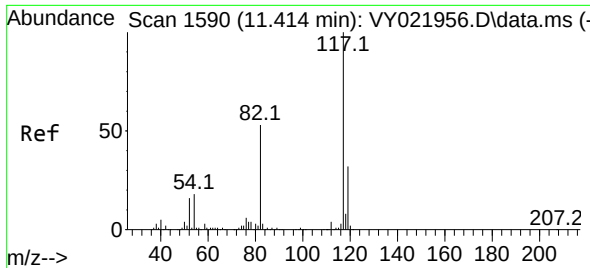


#62
4-Bromofluorobenzene
Concen: 48.439 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17



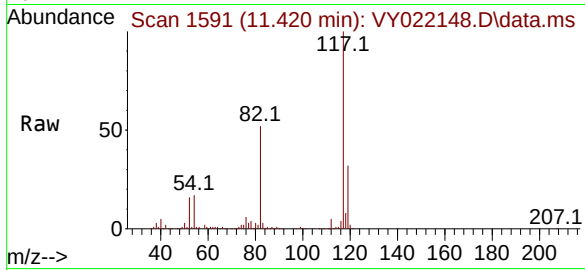
Tgt Ion: 95 Resp: 174772
Ion Ratio Lower Upper
95 100
174 86.5 0.0 179.0
176 82.4 0.0 171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

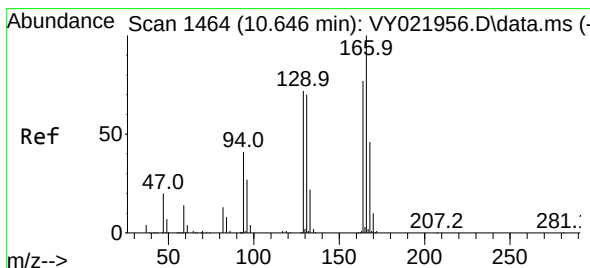
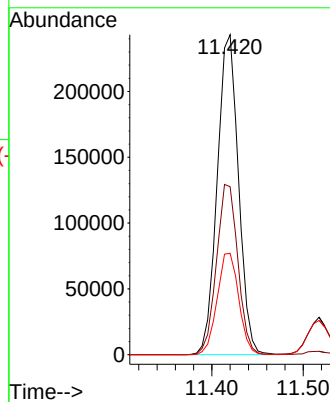
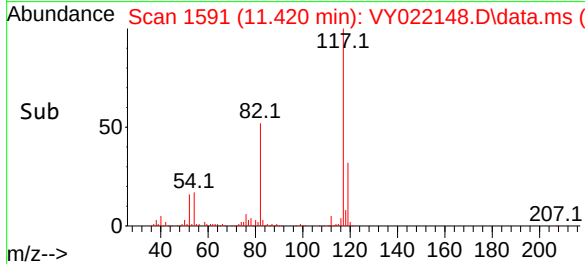
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion:117 Resp: 39338
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 31.7 25.7 38.5

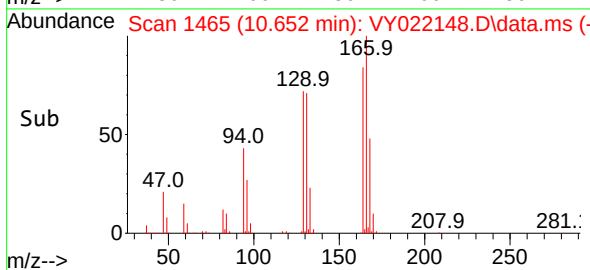
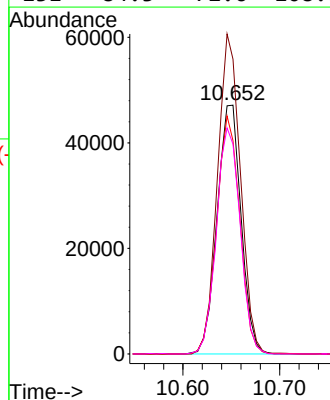
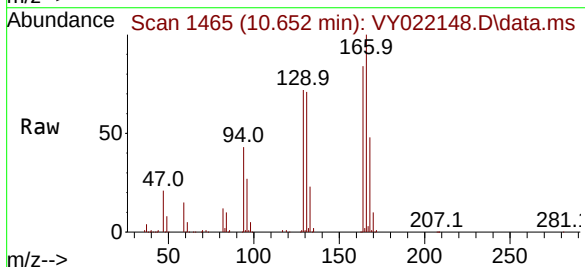
Manual Integrations
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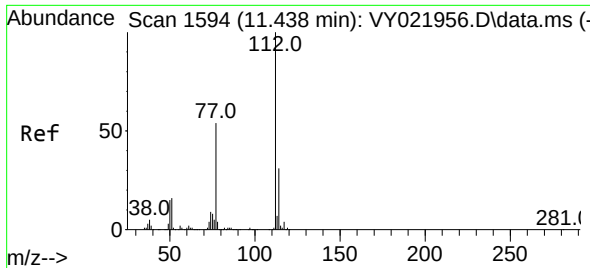
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#64
Tetrachloroethene
Concen: 21.908 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

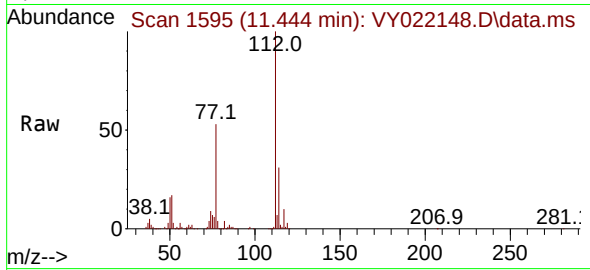
Tgt Ion:164 Resp: 81301
Ion Ratio Lower Upper
164 100
166 118.4 103.6 155.4
129 85.7 74.2 111.4
131 84.3 72.6 108.8





#65
Chlorobenzene
Concen: 21.311 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

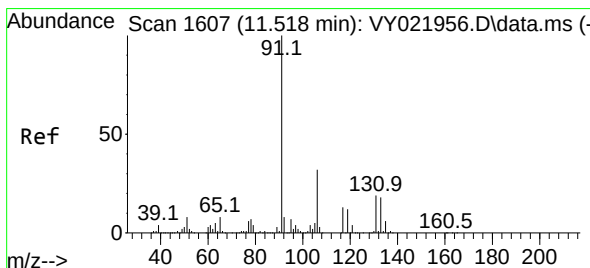
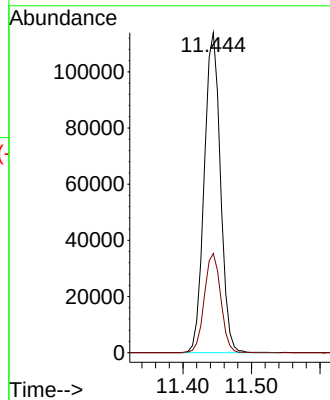
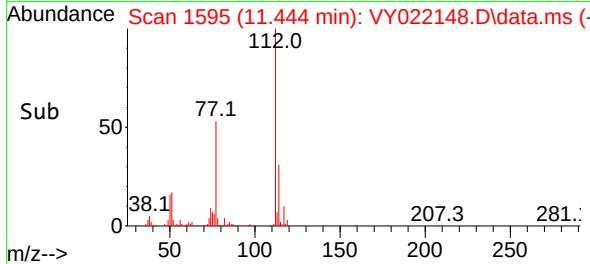
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion:112 Resp: 187475
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4

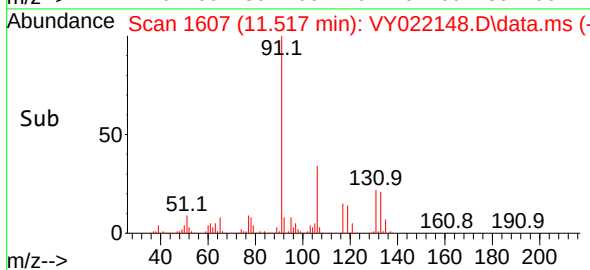
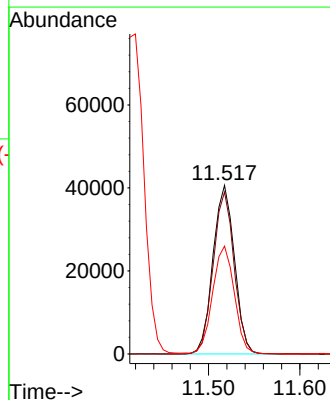
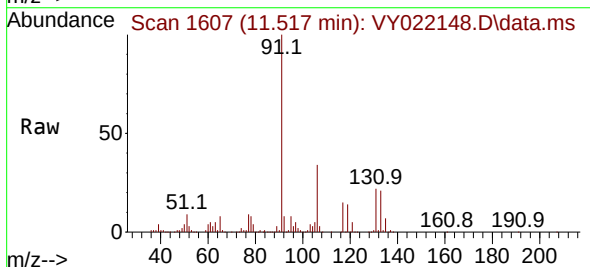
Manual Integrations
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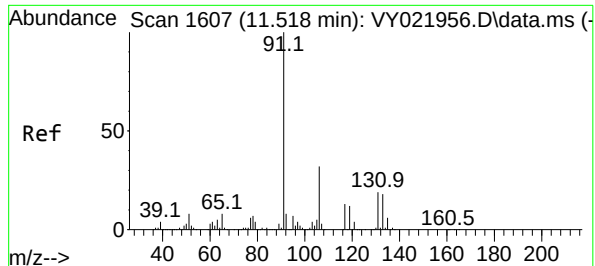
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 21.360 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion:131 Resp: 66154
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 65.0 32.4 97.0





#67

Ethyl Benzene

Concen: 20.260 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion: 91 Resp: 291549

Ion Ratio Lower Upper

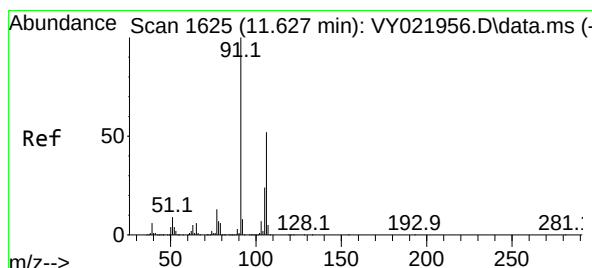
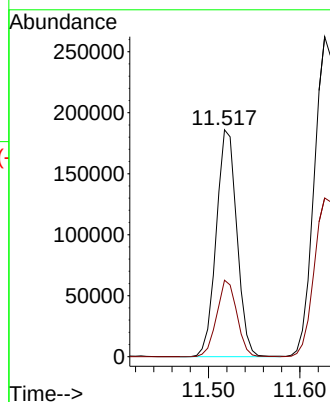
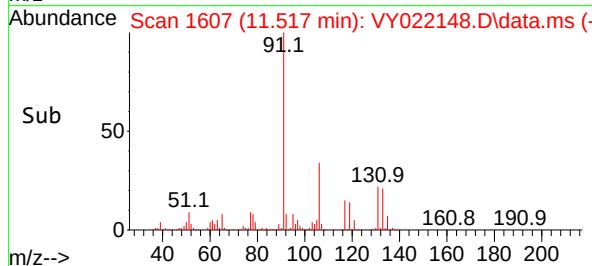
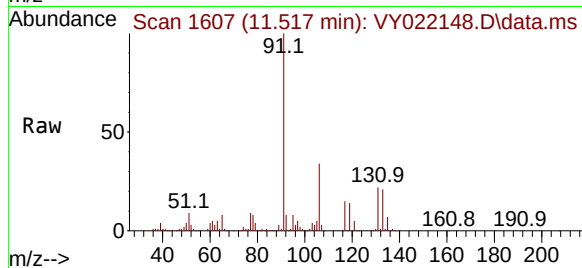
91 100

106 33.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#68

m/p-Xylenes

Concen: 42.341 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022148.D

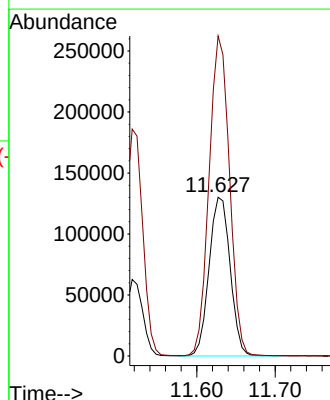
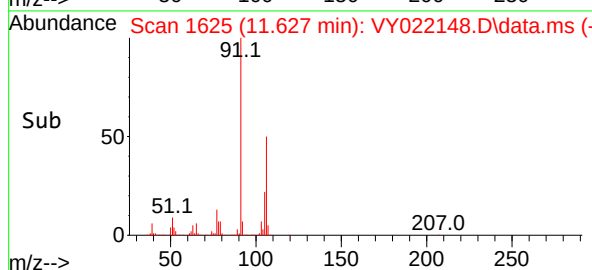
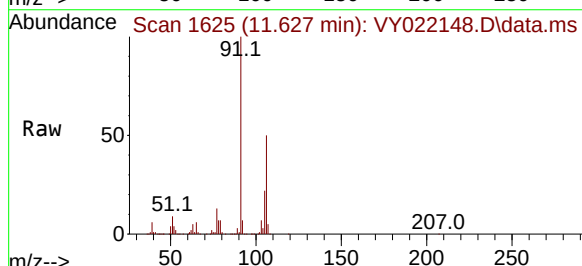
Acq: 05 May 2025 10:17

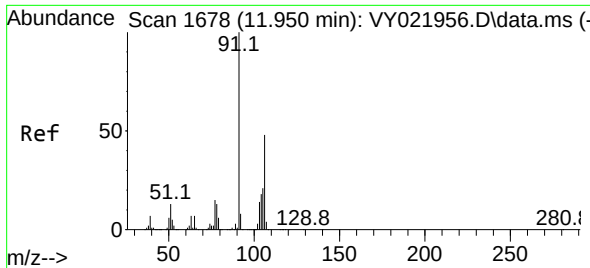
Tgt Ion:106 Resp: 242458

Ion Ratio Lower Upper

106 100

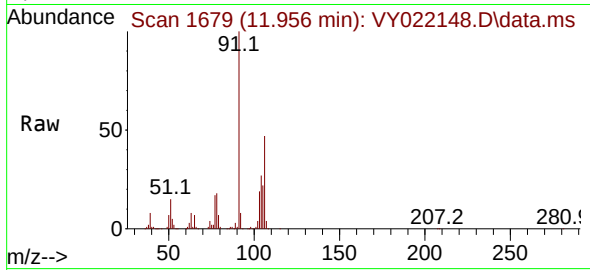
91 196.1 156.2 234.2





#69
o-Xylene
Concen: 20.361 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

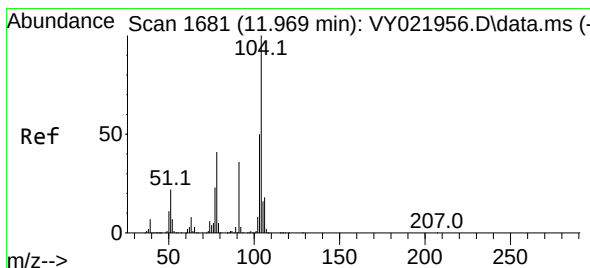
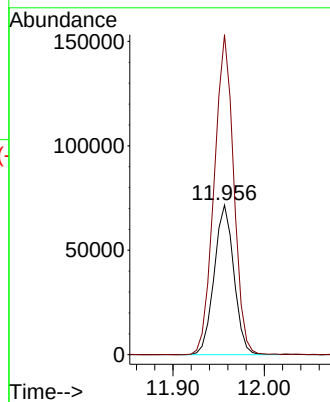
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion:106 Resp: 10746
Ion Ratio Lower Upper
106 100
91 212.0 103.0 308.9

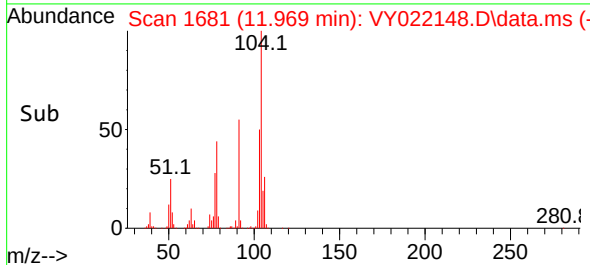
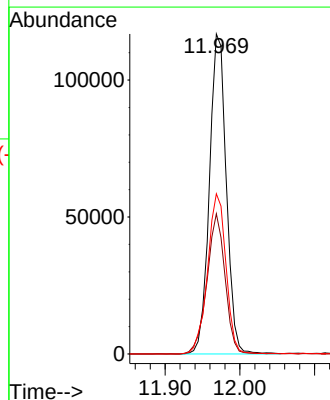
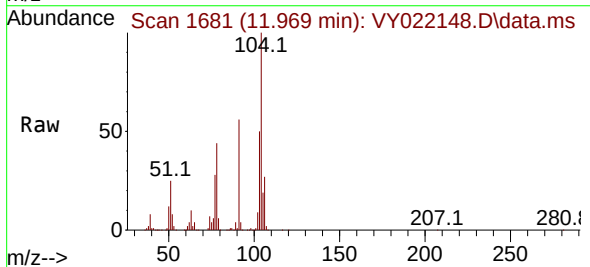
Manual Integrations
APPROVED

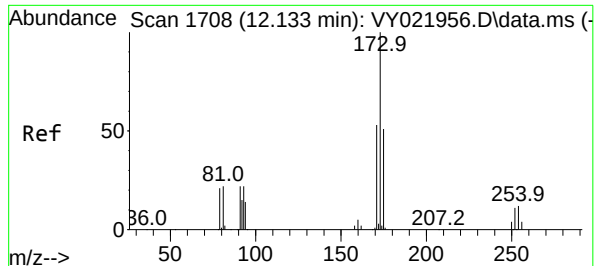
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#70
Styrene
Concen: 20.688 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

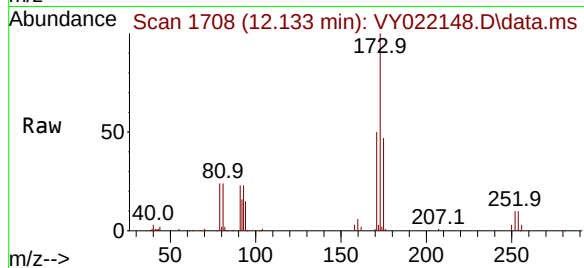
Tgt Ion:104 Resp: 183329
Ion Ratio Lower Upper
104 100
78 46.7 36.6 54.8
103 54.7 43.8 65.8





#71
Bromoform
Concen: 20.863 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

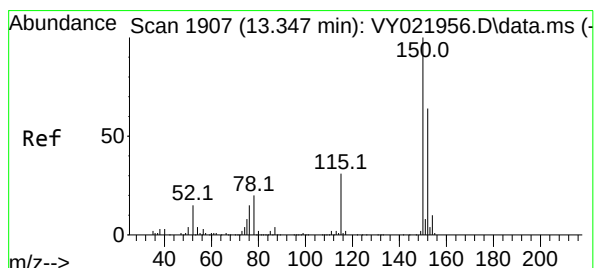
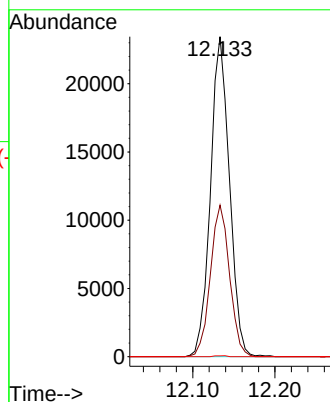
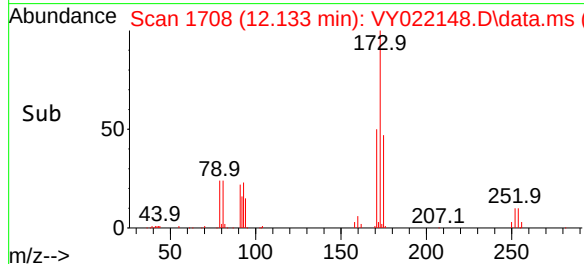
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



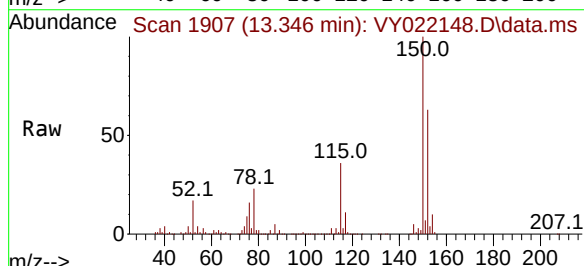
Tgt Ion:173 Resp: 3756
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.8
254 0.2 0.0 0.0

Manual Integrations
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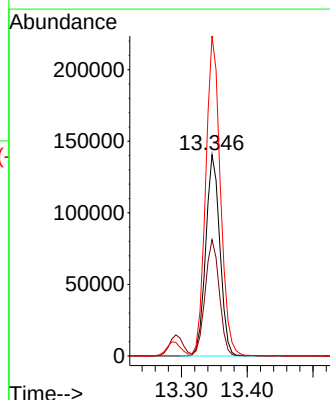
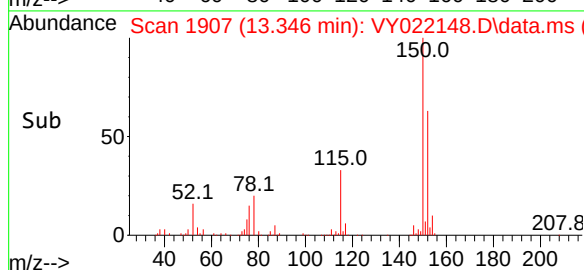
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

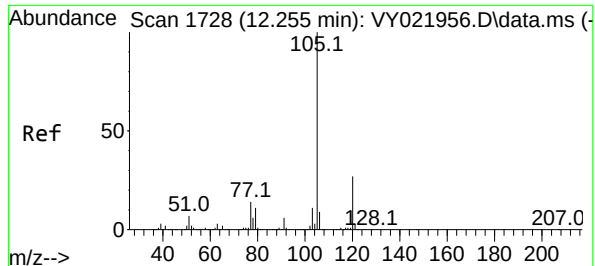


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17



Tgt Ion:152 Resp: 209502
Ion Ratio Lower Upper
152 100
115 58.1 28.0 84.0
150 165.5 0.0 345.6





#73

Isopropylbenzene

Concen: 20.670 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:105 Resp: 28931

Ion Ratio Lower Upper

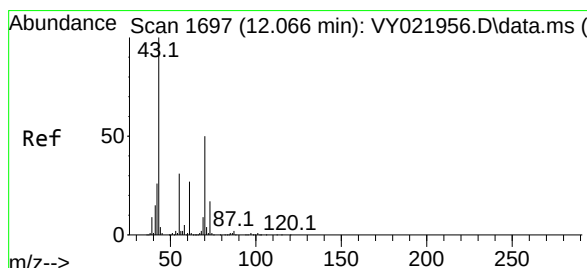
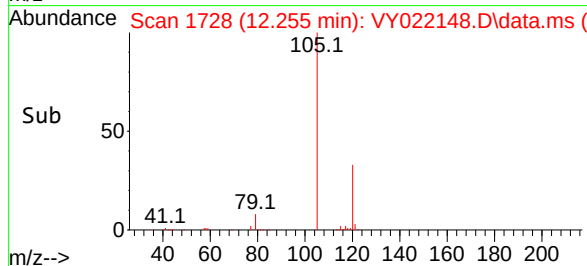
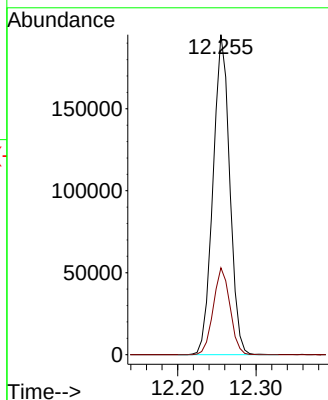
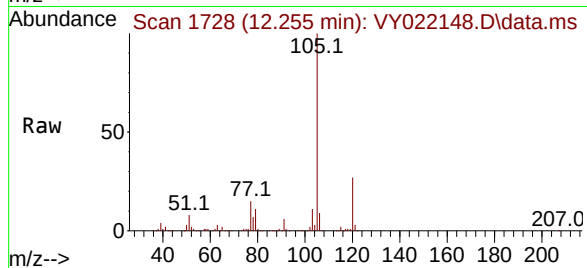
105 100

120 27.1 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#74

N-ethyl acetate

Concen: 19.350 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Tgt Ion: 43 Resp: 46534

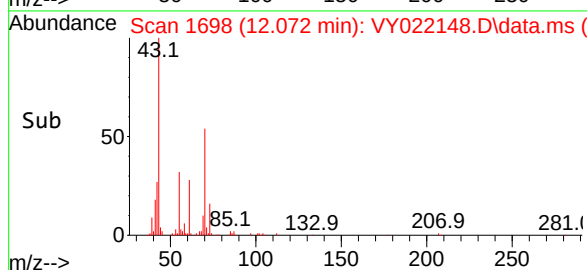
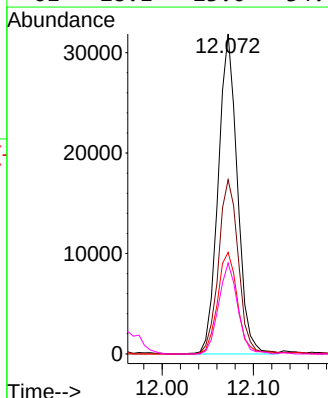
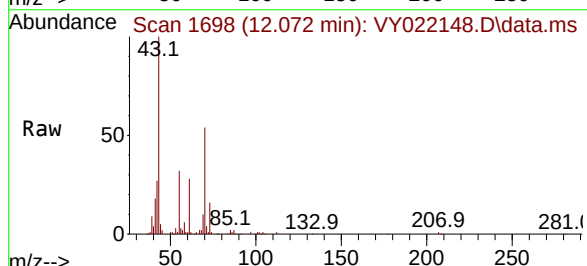
Ion Ratio Lower Upper

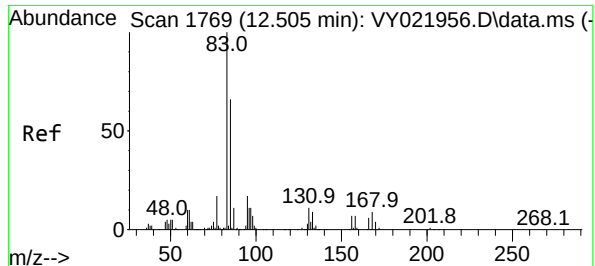
43 100

70 56.4 43.2 64.8

55 33.5 25.7 38.5

61 28.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.529 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion: 83 Resp: 4844

Ion Ratio Lower Upper

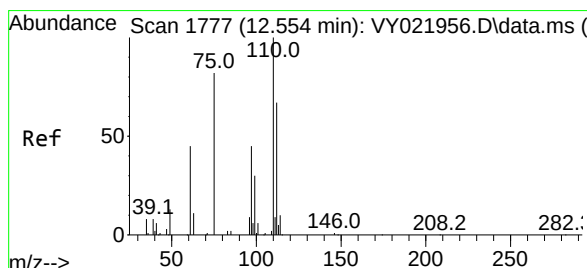
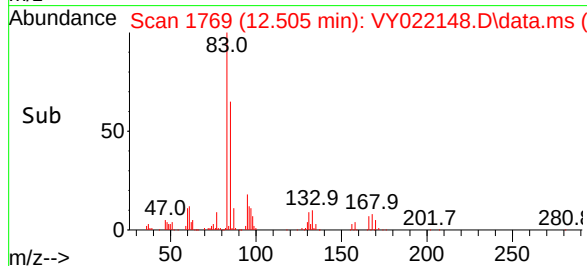
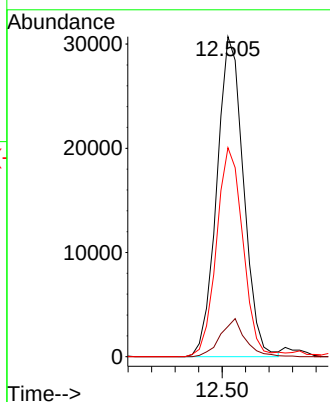
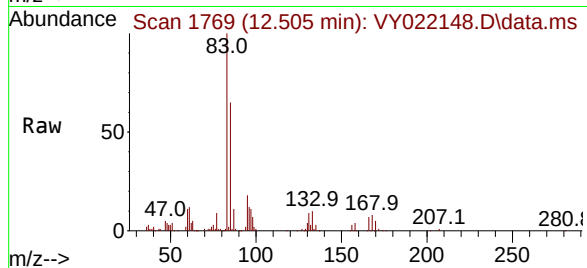
83 100

131 11.1 5.5 16.4

85 65.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#76

1,2,3-Trichloropropane

Concen: 21.373 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022148.D

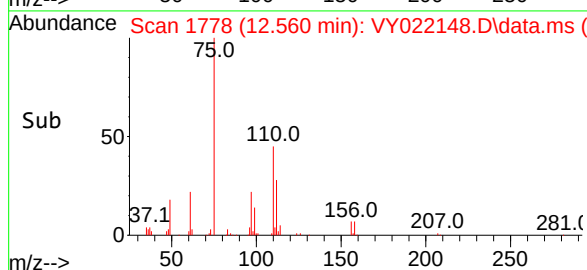
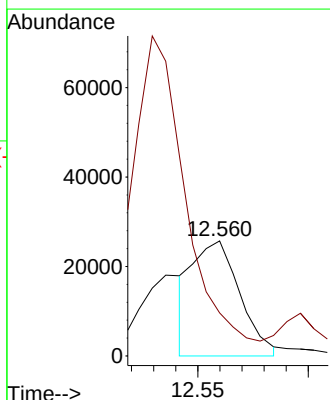
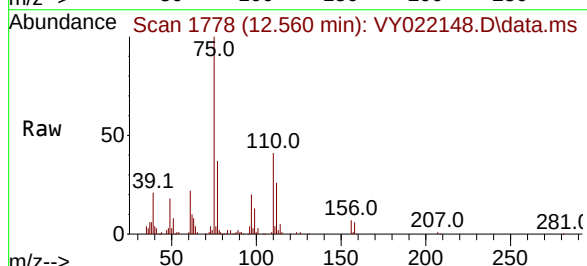
Acq: 05 May 2025 10:17

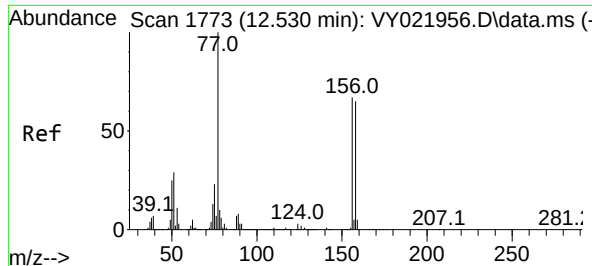
Tgt Ion: 75 Resp: 38354

Ion Ratio Lower Upper

75 100

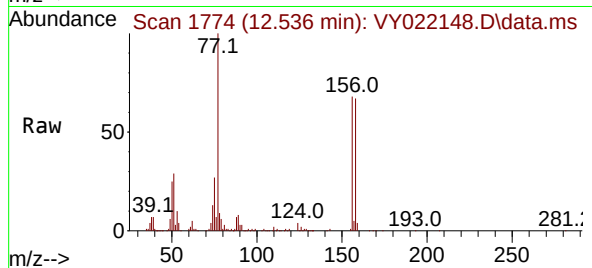
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 20.419 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

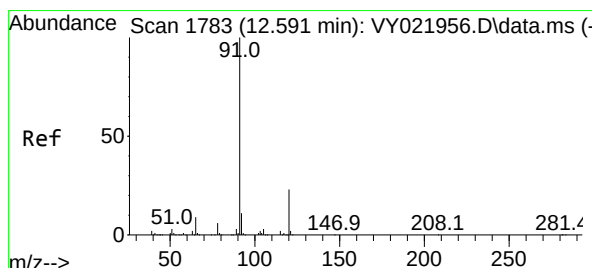
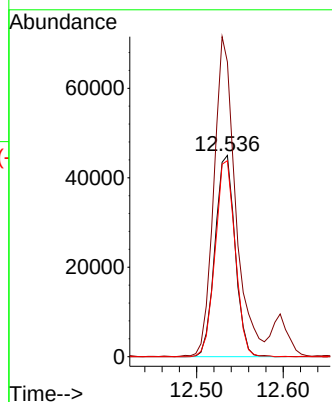
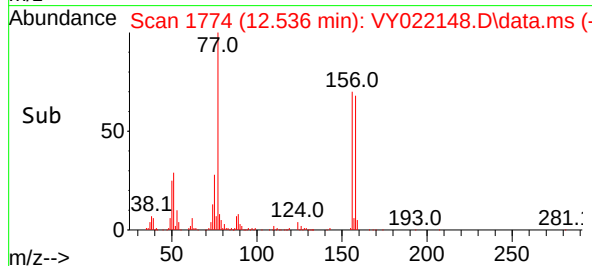
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion:156 Resp: 72220
Ion Ratio Lower Upper
156 100
77 172.6 82.7 248.1
158 97.5 48.1 144.4

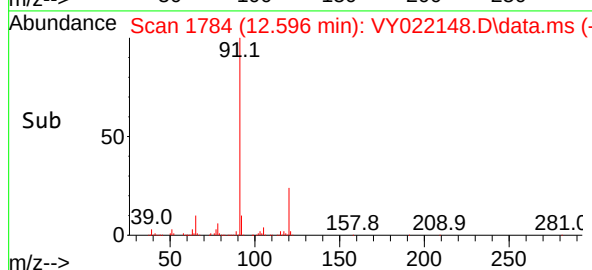
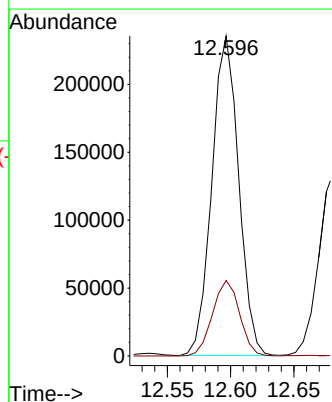
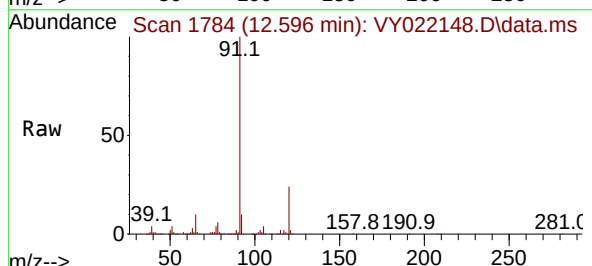
Manual Integrations
APPROVED

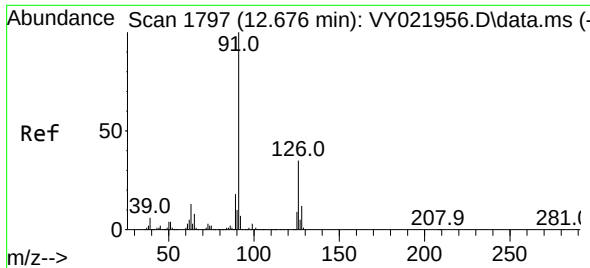
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#78
n-propylbenzene
Concen: 20.814 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

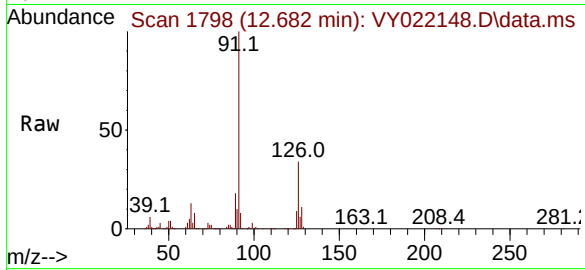
Tgt Ion: 91 Resp: 346937
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#79
2-Chlorotoluene
Concen: 20.879 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

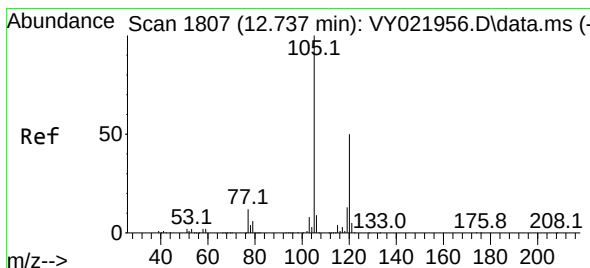
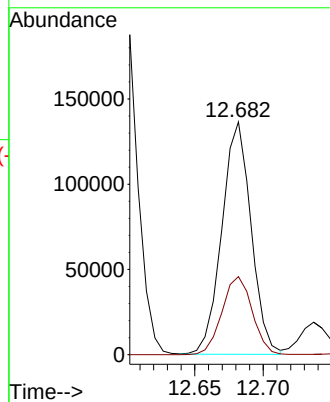
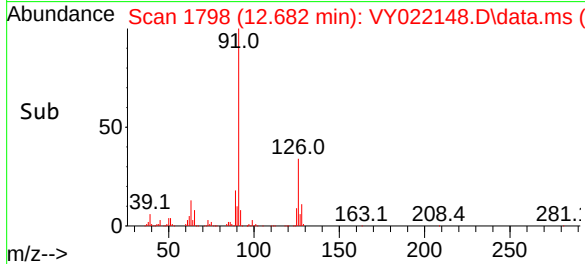
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



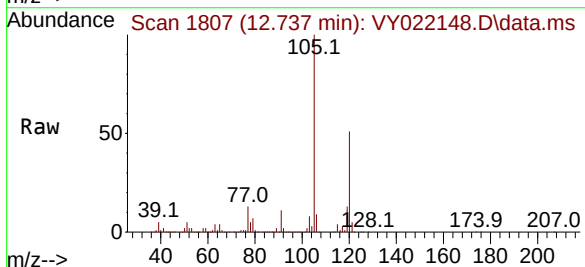
Tgt Ion: 91 Resp: 202404
Ion Ratio Lower Upper
91 100
126 34.8 17.9 53.8

Manual Integrations
APPROVED

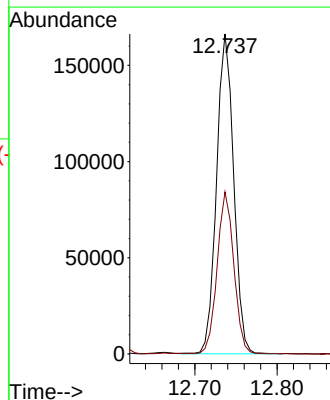
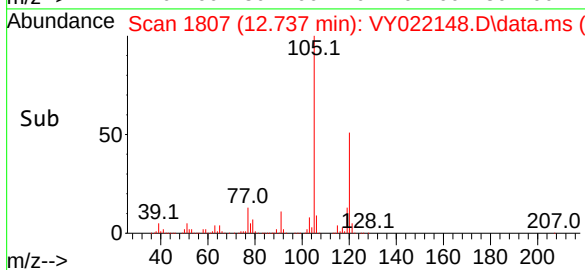
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

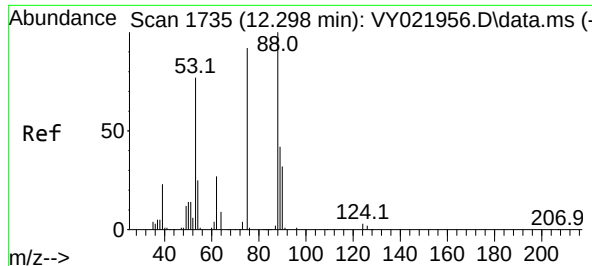


#80
1,3,5-Trimethylbenzene
Concen: 20.898 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17



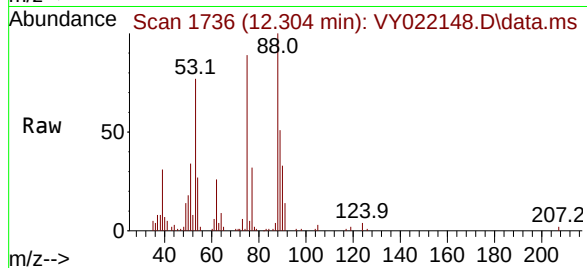
Tgt Ion:105 Resp: 241006
Ion Ratio Lower Upper
105 100
120 49.2 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.502 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

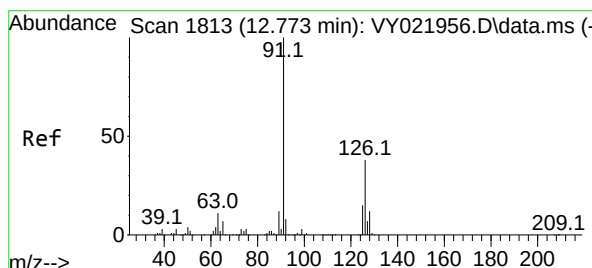
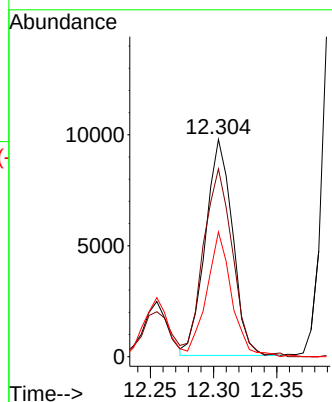
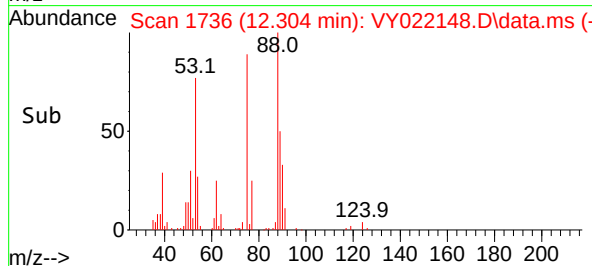
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01



Tgt Ion: 75 Resp: 14532
Ion Ratio Lower Upper
75 100
53 93.8 66.0 99.0
89 53.2 37.2 55.8

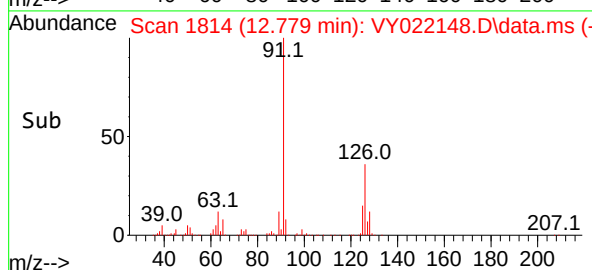
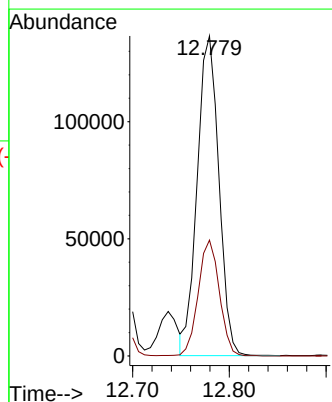
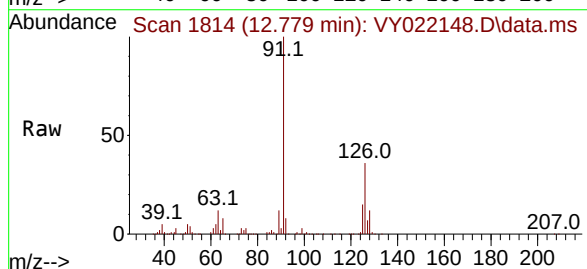
Manual Integrations
APPROVED

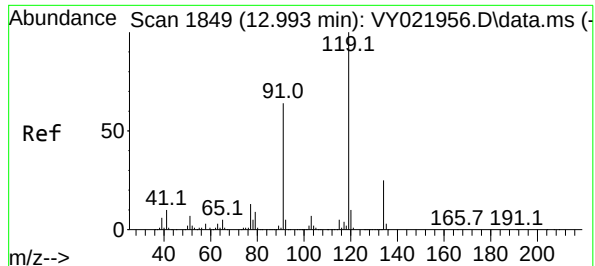
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#82
4-Chlorotoluene
Concen: 21.063 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion: 91 Resp: 212250
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.8





#83

tert-Butylbenzene

Concen: 20.372 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBSD01

Tgt Ion:119 Resp: 210708

Ion Ratio Lower Upper

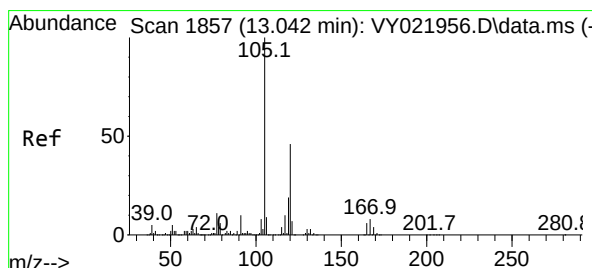
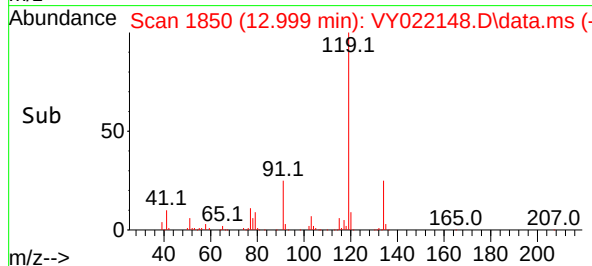
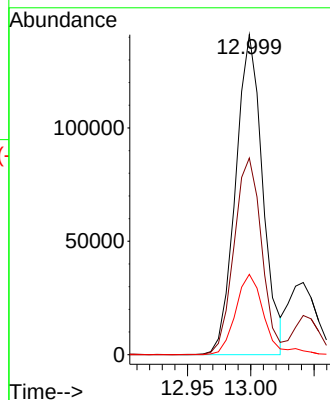
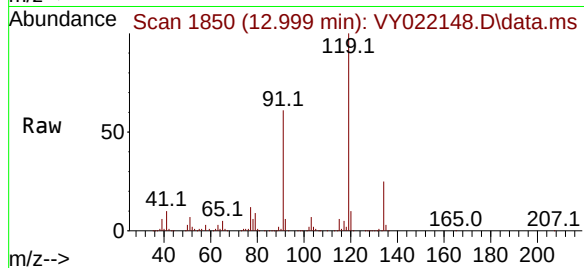
119 100

91 62.7 30.3 90.9

134 26.4 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#84

1,2,4-Trimethylbenzene

Concen: 21.150 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022148.D

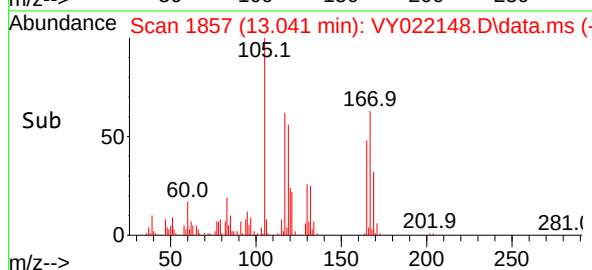
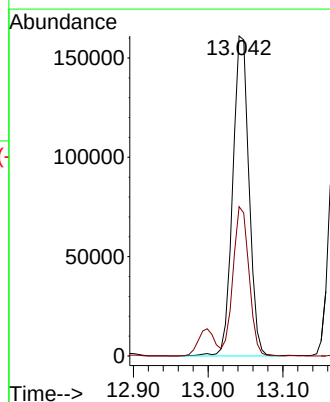
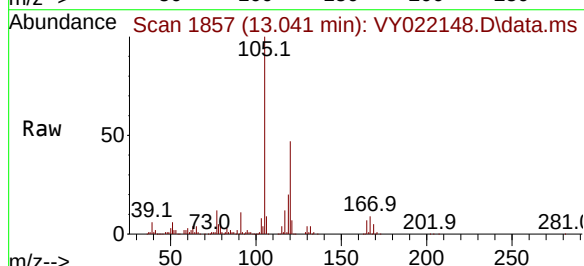
Acq: 05 May 2025 10:17

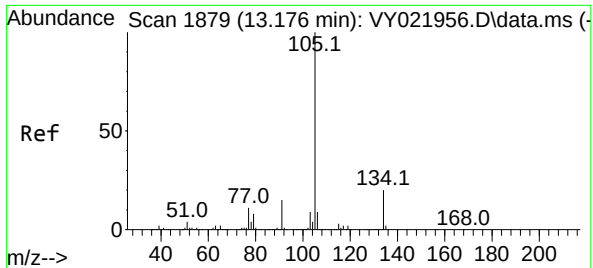
Tgt Ion:105 Resp: 243968

Ion Ratio Lower Upper

105 100

120 45.9 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.893 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:105 Resp: 316220

Ion Ratio Lower Upper

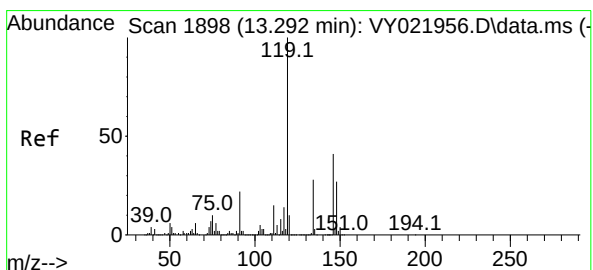
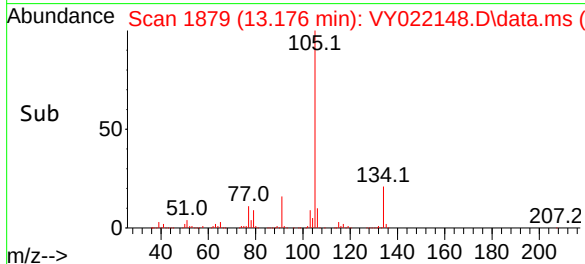
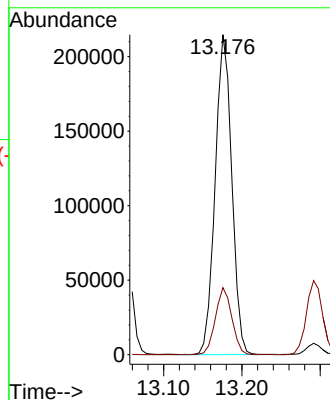
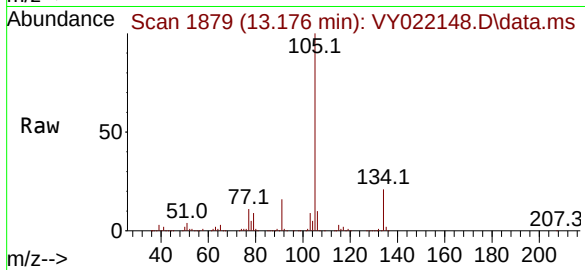
105 100

134 20.7 10.3 30.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025



#86

p-Isopropyltoluene

Concen: 20.562 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

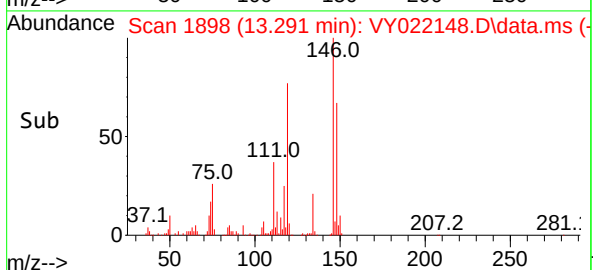
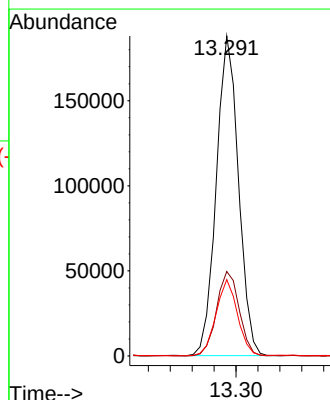
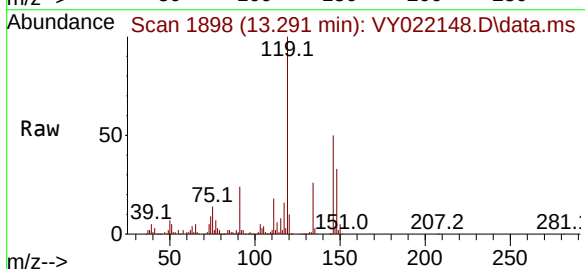
Tgt Ion:119 Resp: 264257

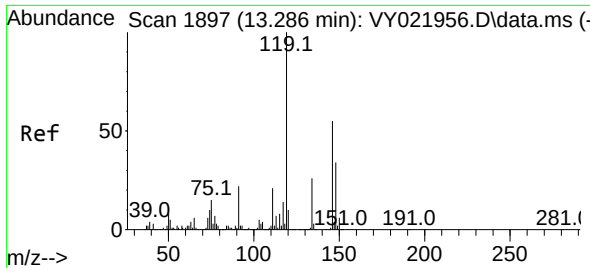
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

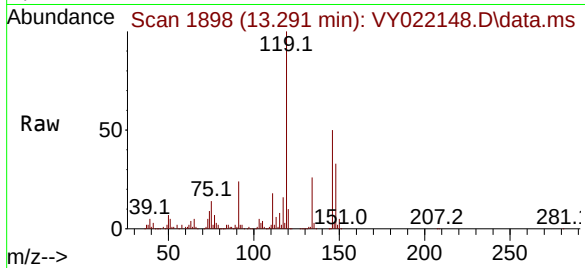
91 23.1 11.0 33.0





#87
1,3-Dichlorobenzene
Concen: 20.663 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

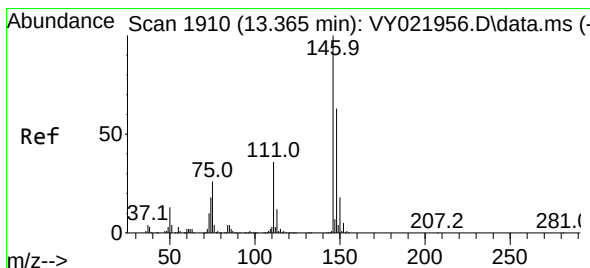
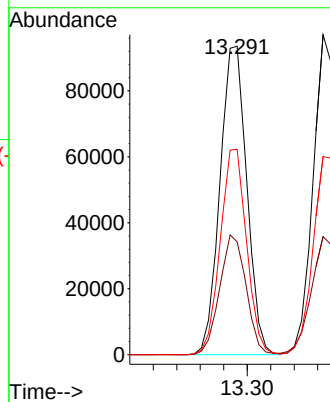
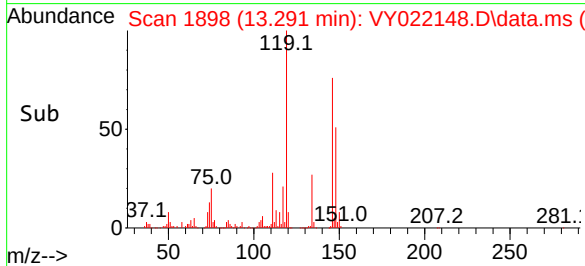
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



Tgt Ion:146 Resp: 148429
Ion Ratio Lower Upper
146 100
111 38.2 19.1 57.5
148 65.4 32.0 96.2

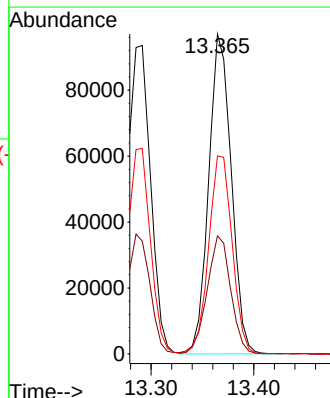
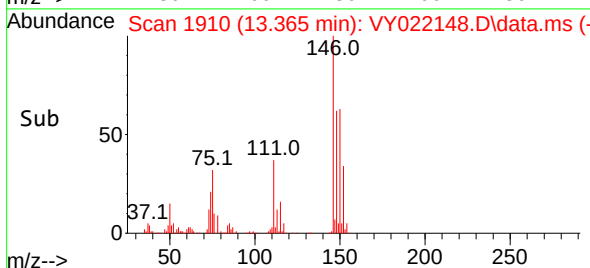
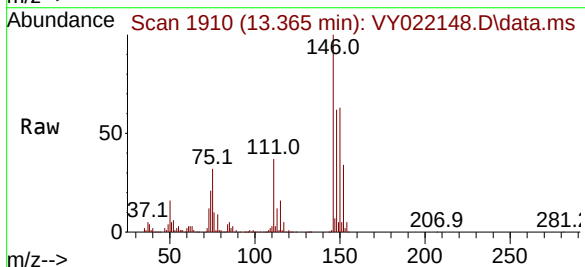
Manual Integrations
APPROVED

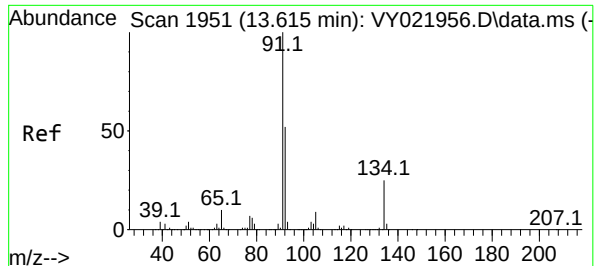
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#88
1,4-Dichlorobenzene
Concen: 20.759 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

Tgt Ion:146 Resp: 147690
Ion Ratio Lower Upper
146 100
111 38.7 19.2 57.6
148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 20.454 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

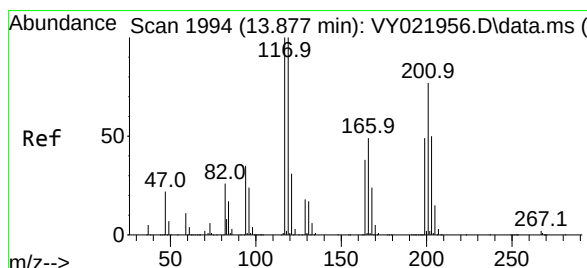
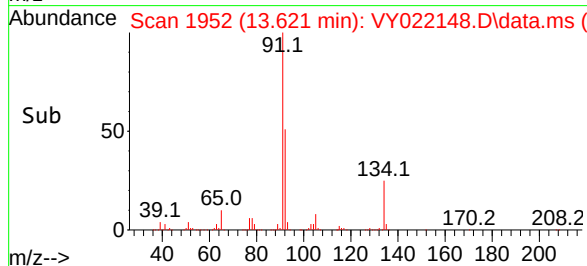
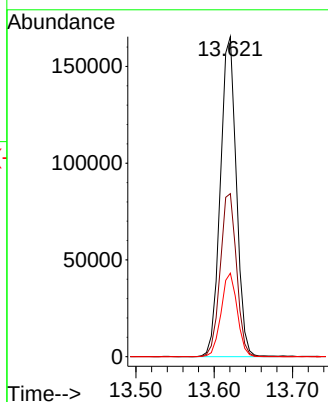
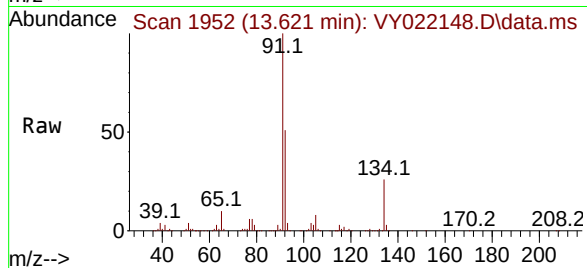
VY0505SBS01

Tgt Ion:	91	Resp:	23496
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.5	79.5
134	26.3	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#90

Hexachloroethane

Concen: 21.125 ug/l

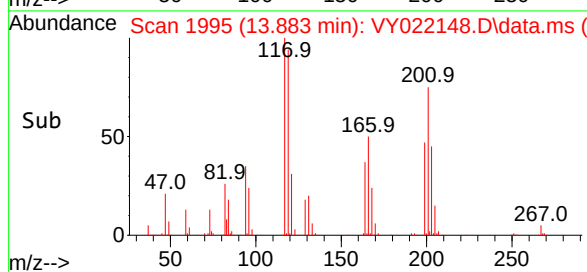
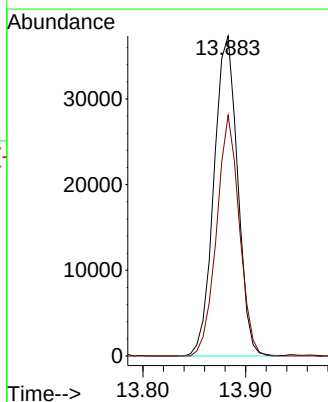
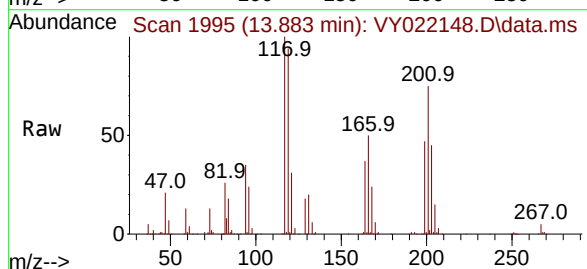
RT: 13.883 min Scan# 1995

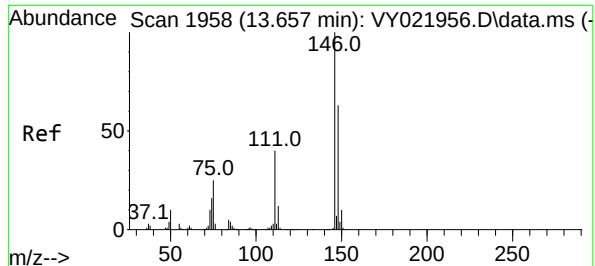
Delta R.T. 0.006 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

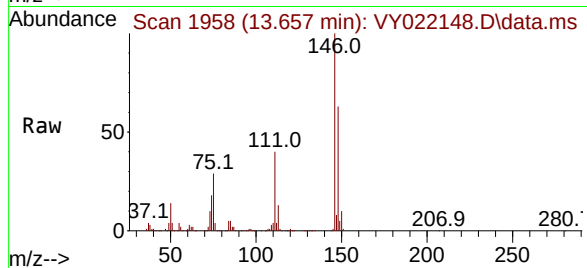
Tgt Ion:	117	Resp:	59652
Ion Ratio	Lower	Upper	
117	100		
201	72.1	38.7	116.1





#91
1,2-Dichlorobenzene
Concen: 20.908 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17

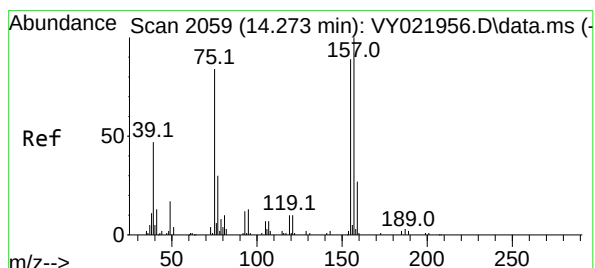
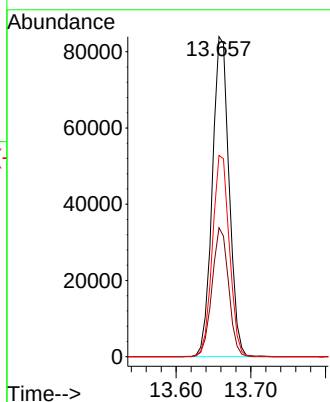
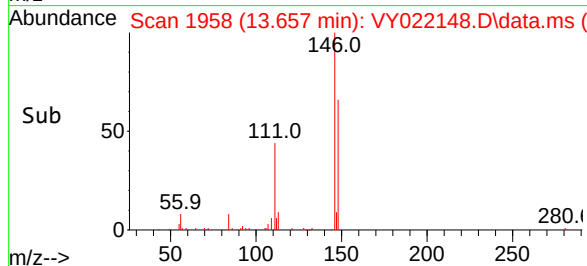
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01



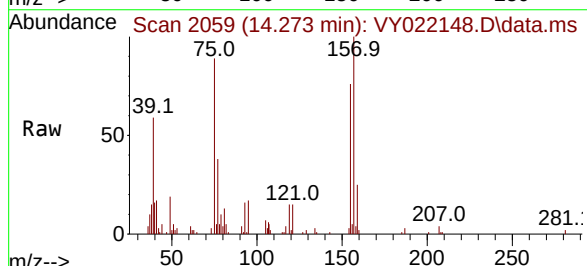
Tgt Ion:146 Resp: 130998
Ion Ratio Lower Upper
146 100
111 39.7 19.7 59.1
148 63.5 32.1 96.3

Manual Integrations
APPROVED

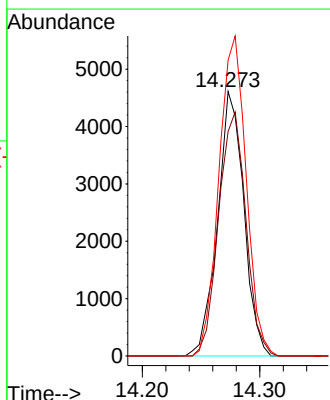
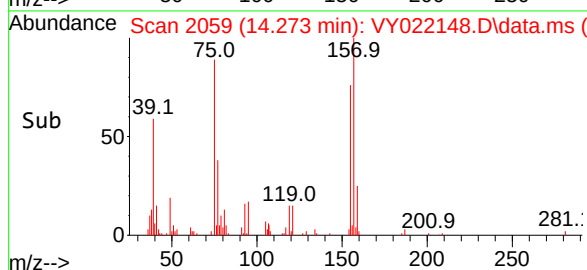
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

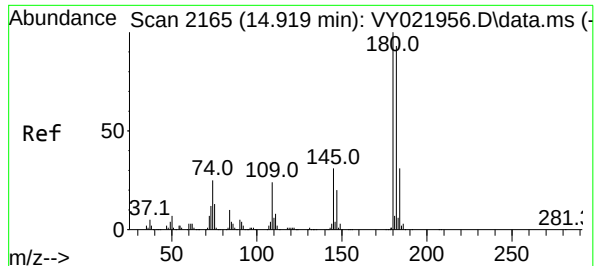


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.047 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022148.D
Acq: 05 May 2025 10:17



Tgt Ion: 75 Resp: 7151
Ion Ratio Lower Upper
75 100
155 96.1 50.7 152.3
157 125.5 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 20.210 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tgt Ion:180 Resp: 7175

Ion Ratio Lower Upper

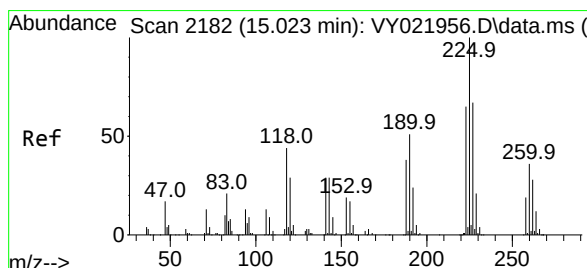
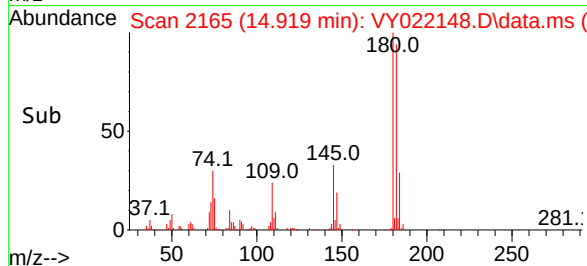
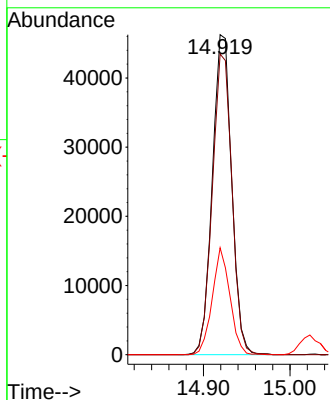
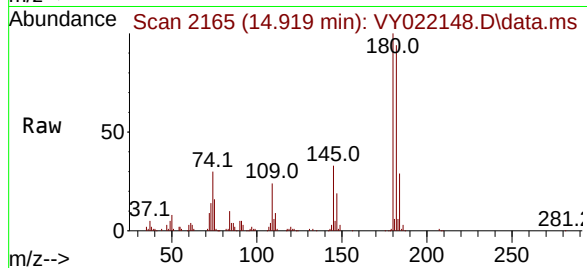
180 100

182 95.0 47.1 141.4

145 30.5 15.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

#94

Hexachlorobutadiene

Concen: 20.052 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

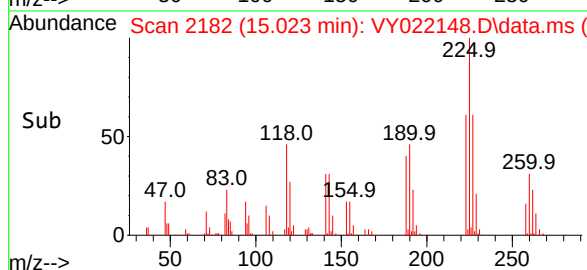
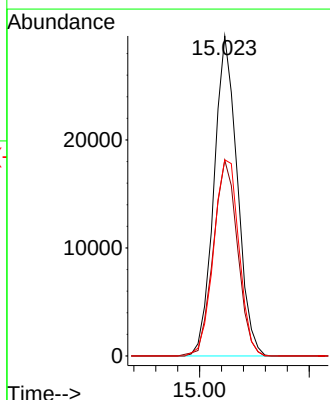
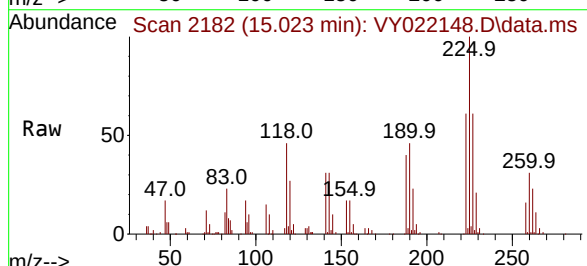
Tgt Ion:225 Resp: 43802

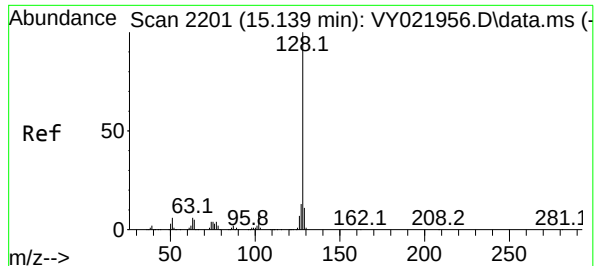
Ion Ratio Lower Upper

225 100

223 63.5 31.9 95.5

227 66.5 32.3 96.9





#95

Naphthalene

Concen: 19.094 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022148.D

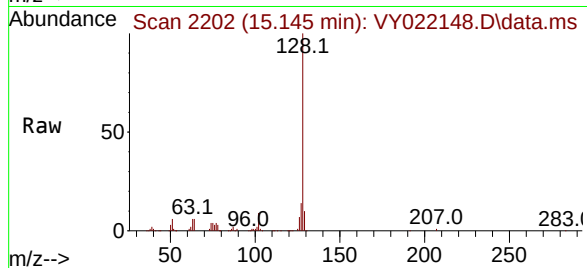
Acq: 05 May 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01



Tgt Ion:128 Resp: 11261

Ion Ratio Lower Upper

128 100

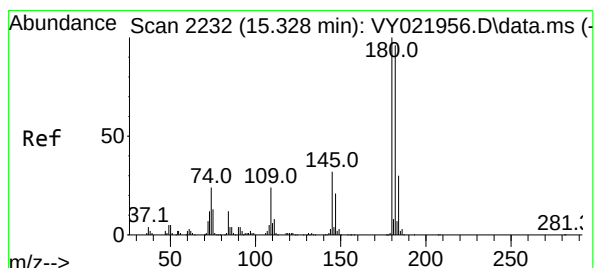
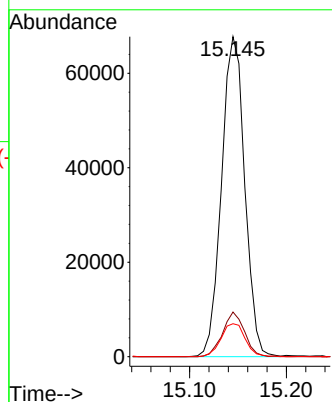
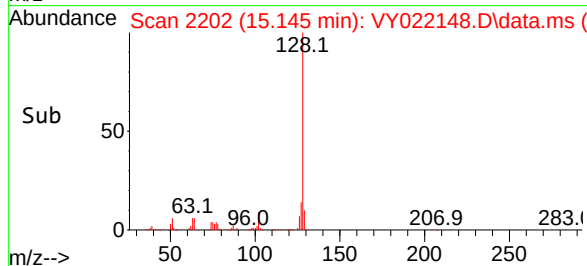
127 13.2 10.6 16.0

129 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.446 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022148.D

Acq: 05 May 2025 10:17

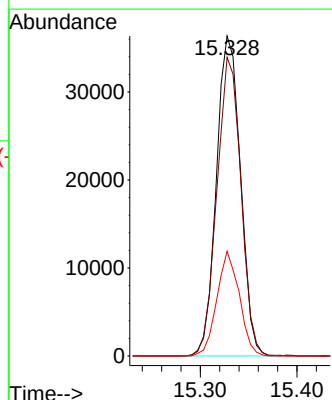
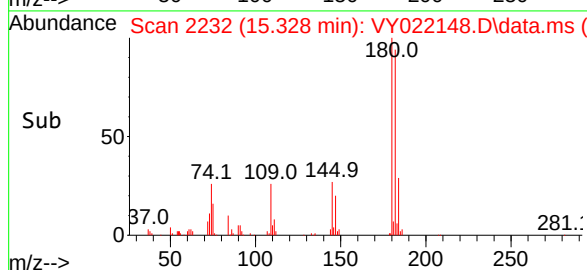
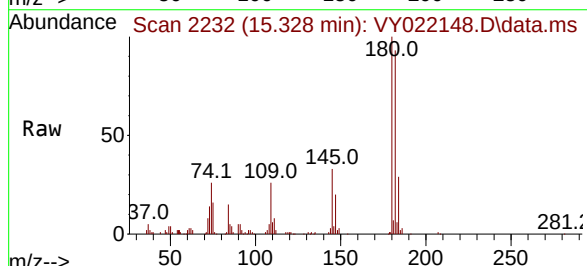
Tgt Ion:180 Resp: 62663

Ion Ratio Lower Upper

180 100

182 93.4 48.1 144.4

145 30.6 16.0 48.0



Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VY042225

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

VY050525

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022145.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VSTDCCC050	VY022145.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VY0505SBS01	VY022147.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:36 PM	Sam	5/6/2025 12:44:35 PM	Peak Integrated by Software
VY0505SBSD01	VY022148.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:36 PM	Sam	5/6/2025 12:44:36 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133718			
Initial Calibration Stds		VP133719,VP133720,VP133721,VP133722,VP133723,VP133724			
CCC					
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133725			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDIC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDIC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDIC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDIC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDIC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDIC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133812			
CCC		VP133813,VP133814			
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	VY022144.D	05 May 2025 08:15	SY/MD	Ok
2	VSTDCCC050	VY022145.D	05 May 2025 08:46	SY/MD	Ok,M
3	VY0505SBL01	VY022146.D	05 May 2025 09:24	SY/MD	Ok
4	VY0505SBS01	VY022147.D	05 May 2025 09:55	SY/MD	Ok,M
5	VY0505SBSD01	VY022148.D	05 May 2025 10:17	SY/MD	Ok,M
6	Q1933-01RE	VY022149.D	05 May 2025 11:14	SY/MD	Confirms
7	Q1946-01	VY022150.D	05 May 2025 11:37	SY/MD	Ok
8	Q1952-01	VY022151.D	05 May 2025 12:01	SY/MD	ReRun
9	Q1951-03	VY022152.D	05 May 2025 12:24	SY/MD	Ok
10	Q1947-03	VY022153.D	05 May 2025 12:47	SY/MD	Ok
11	Q1947-07	VY022154.D	05 May 2025 13:11	SY/MD	Ok
12	Q1938-02	VY022155.D	05 May 2025 13:34	SY/MD	Ok
13	Q1938-04	VY022156.D	05 May 2025 13:58	SY/MD	Ok
14	Q1938-06	VY022157.D	05 May 2025 14:21	SY/MD	Ok
15	Q1938-08	VY022158.D	05 May 2025 14:45	SY/MD	Ok
16	Q1936-04	VY022159.D	05 May 2025 15:08	SY/MD	Ok
17	Q1936-06	VY022160.D	05 May 2025 15:31	SY/MD	Ok
18	Q1936-08	VY022161.D	05 May 2025 15:55	SY/MD	Ok
19	Q1956-01	VY022162.D	05 May 2025 16:18	SY/MD	Ok
20	Q1956-02	VY022163.D	05 May 2025 16:42	SY/MD	Ok
21	Q1956-06	VY022164.D	05 May 2025 17:05	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133812			
CCC		VP133813,VP133814			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1956-03MS	VY022165.D	05 May 2025 17:28	SY/MD	Ok,M
23	Q1956-04MSD	VY022166.D	05 May 2025 17:51	SY/MD	Ok,M
24	Q1883-17	VY022167.D	05 May 2025 18:14	SY/MD	Ok
25	VSTDCCC050	VY022168.D	05 May 2025 18:37	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y HP Processing Method 82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133718 VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131783 VP133725

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133812
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133813,VP133814 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022144.D	05 May 2025 08:15		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022145.D	05 May 2025 08:46		SY/MD	Ok,M
3	VY0505SBL01	VY0505SBL01	VY022146.D	05 May 2025 09:24		SY/MD	Ok
4	VY0505SBS01	VY0505SBS01	VY022147.D	05 May 2025 09:55		SY/MD	Ok,M
5	VY0505SBSD01	VY0505SBSD01	VY022148.D	05 May 2025 10:17		SY/MD	Ok,M
6	Q1933-01RE	OK-01-050125RE	VY022149.D	05 May 2025 11:14	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1946-01	BB-CONCRETE	VY022150.D	05 May 2025 11:37	vial-A	SY/MD	Ok
8	Q1952-01	CLEAN-FILL	VY022151.D	05 May 2025 12:01	vial-A Internal Standard Fail	SY/MD	ReRun
9	Q1951-03	MH-KK-VOC	VY022152.D	05 May 2025 12:24	vial-A	SY/MD	Ok
10	Q1947-03	MH-P-VOC	VY022153.D	05 May 2025 12:47	vial-A	SY/MD	Ok
11	Q1947-07	MH-O-VOC	VY022154.D	05 May 2025 13:11	vial-A	SY/MD	Ok
12	Q1938-02	LOWER-WALL-PILE-A	VY022155.D	05 May 2025 13:34	vial-A	SY/MD	Ok
13	Q1938-04	LOWER-WALL-PILE-B	VY022156.D	05 May 2025 13:58	vial-A	SY/MD	Ok
14	Q1938-06	LOWER-WALL-PILE-C	VY022157.D	05 May 2025 14:21	vial-A	SY/MD	Ok
15	Q1938-08	LOWER-WALL-PILE-D	VY022158.D	05 May 2025 14:45	vial-A	SY/MD	Ok
16	Q1936-04	SMALL-PILE-B	VY022159.D	05 May 2025 15:08	vial-A	SY/MD	Ok
17	Q1936-06	SMALL-PILE-C	VY022160.D	05 May 2025 15:31	vial-A	SY/MD	Ok
18	Q1936-08	SMALL-PILE-D	VY022161.D	05 May 2025 15:55	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP133812				
CCC	VP133813,VP133814				
Internal Standard/PEM	VP131783				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1956-01	SB1-3-4	VY022162.D	05 May 2025 16:18	vial-A	SY/MD	Ok
20	Q1956-02	SB2-4-5	VY022163.D	05 May 2025 16:42	vial-A	SY/MD	Ok
21	Q1956-06	SB91-3-4	VY022164.D	05 May 2025 17:05	vial-A	SY/MD	Ok
22	Q1956-03MS	SB2-4-5MS	VY022165.D	05 May 2025 17:28	vial-A	SY/MD	Ok,M
23	Q1956-04MSD	SB2-4-5MSD	VY022166.D	05 May 2025 17:51	vial-A	SY/MD	Ok,M
24	Q1883-17	SO-TB-01-042325	VY022167.D	05 May 2025 18:14	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022168.D	05 May 2025 18:37		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1913-01	WC-12-S-202504	1	1.18	10.32	11.5	9.49	80.5	
Q1913-03	WC-13-S-202504	2	1.19	10.37	11.56	9.83	83.3	
Q1936-01	SMALL-PILE-A	33	1.15	9.94	11.09	10.18	90.8	
Q1936-02	SMALL-PILE-A	34	1.17	9.94	11.11	10.22	91.0	
Q1936-03	SMALL-PILE-B	35	1.18	10.39	11.57	10.93	93.8	
Q1936-04	SMALL-PILE-B	36	1.18	9.88	11.06	10.44	93.7	
Q1936-05	SMALL-PILE-C	37	1.15	10.03	11.18	10.9	97.2	
Q1936-06	SMALL-PILE-C	38	1.15	10.25	11.4	11.01	96.2	
Q1936-07	SMALL-PILE-D	39	1.16	10.41	11.57	10.97	94.2	
Q1936-08	SMALL-PILE-D	40	1.18	9.96	11.14	10.55	94.1	
Q1937-01	LARGE-PILE-A	41	1.15	10.13	11.28	10.7	94.3	
Q1937-02	LARGE-PILE-A	42	1.18	9.58	10.76	10.2	94.2	
Q1937-03	LARGE-PILE-B	43	1.15	10.03	11.18	10.82	96.4	
Q1937-04	LARGE-PILE-B	44	1.17	10.04	11.21	10.72	95.1	
Q1937-05	LARGE-PILE-C	45	1.16	10.19	11.35	10.83	94.9	
Q1937-06	LARGE-PILE-C	46	1.19	10.06	11.25	10.63	93.8	
Q1937-07	LARGE-PILE-D	47	1.18	10.33	11.51	10.95	94.6	
Q1937-08	LARGE-PILE-D	48	1.17	9.75	10.92	10.33	93.9	
Q1937-09	LARGE-PILE-E	49	1.16	10.14	11.3	10.52	92.3	
Q1937-10	LARGE-PILE-E	50	1.18	10.30	11.48	10.76	93.0	
Q1937-11	LARGE-PILE-F	51	1.18	10.48	11.66	10.58	89.7	
Q1937-12	LARGE-PILE-F	52	1.18	10.25	11.43	10.44	90.3	
Q1938-01	LOWER-WALL-PILE-A	53	1.15	10.33	11.48	10.77	93.1	
Q1938-02	LOWER-WALL-PILE-A	54	1.17	10.50	11.67	10.71	90.9	
Q1938-03	LOWER-WALL-PILE-B	55	1.14	10.15	11.29	10.94	96.6	
Q1938-04	LOWER-WALL-PILE-B	56	1.18	9.90	11.08	10.68	96.0	
Q1938-05	LOWER-WALL-PILE-C	57	1.17	10.23	11.4	11.07	96.8	
Q1938-06	LOWER-WALL-PILE-C	58	1.12	9.82	10.94	10.7	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1938-07	LOWER-WALL-PILE-D	59	1.19	10.01	11.2	10.7	95.0	
Q1938-08	LOWER-WALL-PILE-D	60	1.17	10.23	11.4	10.86	94.7	
Q1942-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q1942-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1942-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1942-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1942-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1942-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1942-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1942-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1942-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1942-14	PCB-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1944-01	MELTED-RUBBER-SAMPLE	13	1.00	1.00	2.00	2.00	100.0	MELTED-RUBBER-SAMPLE
Q1946-01	BB-CONCRETE	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1946-02	BB-CONCRETE	15	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1947-01	MH-P	16	1.18	10.19	11.37	9.28	79.5	
Q1947-02	MH-P-EPH	17	1.15	10.84	11.99	10.64	87.5	
Q1947-03	MH-P-VOC	18	1.16	10.71	11.87	10.5	87.2	
Q1947-05	MH-O	19	1.14	10.59	11.73	10.52	88.6	
Q1947-06	MH-O-EPH	20	1.12	10.00	11.12	9.91	87.9	
Q1947-07	MH-O-VOC	21	1.17	10.00	11.17	9.95	87.8	
Q1951-01	MH-KK	22	1.18	10.40	11.58	10.01	84.9	
Q1951-02	MH-KK-EPH	23	1.16	10.29	11.45	9.91	85.0	
Q1951-03	MH-KK-VOC	24	1.17	10.25	11.42	9.86	84.8	
Q1952-01	CLEAN-FILL	25	1.18	10.49	11.67	8.98	74.4	
Q1952-02	CLEAN-FILL-E2	26	1.13	10.10	11.23	8.47	72.7	
Q1953-01	AUD-25-0075	27	1.00	1.00	2.00	2.00	100.0	pile
Q1953-02	AUD-25-0076	28	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1953-03	AUD-25-0077	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-01	BC260874-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-02	BC260874-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1955-01	LAW-25-0066	32	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

173546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1913-03	WC-13-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1936-01	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-02	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-03	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-04	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-05	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-06	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-07	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-08	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1937-01	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-02	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-03	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-04	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-05	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-06	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-07	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-08	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-09	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-10	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-11	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/02/25 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

172546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1937-12	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-01	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-02	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-03	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-04	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-05	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-06	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-07	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-08	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1942-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/01/2025	Chemtech -SO
Q1942-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1944-01	MELTED-RUBBER-SAMPLE	Solid	Percent Solids	Cool 4 deg C	METE01	L41	05/02/2025	Chemtech -SO
Q1946-01	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

Date/Time 05/02/25

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

WORKLIST(Hardcopy Internal Chain)

8/23/25

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1946-02	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-01	MH-P	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-02	MH-P-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-03	MH-P-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-05	MH-O	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-06	MH-O-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-07	MH-O-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-01	MH-KK	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-02	MH-KK-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-03	MH-KK-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-01	CLEAN-FILL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-02	CLEAN-FILL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-01	AUD-25-0075	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-02	AUD-25-0076	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-03	AUD-25-0077	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-01	BC260874-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-02	BC260874-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1955-01	LAW-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

Date/Time 05/02/25

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1938-02	37.81-32.84=4.97	10:00	39.52-33.16=6.36	10:01	33.53-28.11=5.42	10:02	V14143	05/02/2025	8260 TERRACORE SAMPLES
2	Q1938-04	38.77-32.81=5.96	10:03	38.60-32.45=6.15	10:04	33.93-28.02=5.91	10:05	V14143	05/02/2025	8260 TERRACORE SAMPLES
3	Q1938-06	38.46-32.97=5.49	10:06	37.88-32.64=5.24	10:07	33.09-27.98=5.11	10:08	V14143	05/02/2025	8260 TERRACORE SAMPLES
4	Q1938-08	39.13-33.23=5.9	10:09	38.57-32.66=5.91	10:10	34.30-27.90=6.4	10:11	V14143	05/02/2025	8260 TERRACORE SAMPLES

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Saxton Fall and Sand Gravel
ADDRESS: 3000 International Drive
CITY: Budd Lake STATE: N.J. ZIP:
ATTENTION: Rich Schindler
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stan Hope
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY: Stan STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. Hex Chrom
2. PCB
3. SVOC-TCL BWA-20
4. TPH CAC
5. Trivalent Chromium
6. Cyanide
7. VOI-TCL VOA-10
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.	<u>Lower Wall Pile-A</u>	<u>sol</u>	<u>X</u>		<u>5-1-25</u>	<u>12:50</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>Pid=0.0</u>	
2.	<u>A</u>			<u>X</u>		<u>12:52</u>	<u>5</u>							<u>X</u>	<u>X</u>			
3.	<u>B</u>		<u>X</u>			<u>13:00</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.	<u>B</u>			<u>X</u>		<u>13:02</u>	<u>5</u>							<u>X</u>	<u>X</u>			
5.	<u>C</u>		<u>X</u>			<u>13:12</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
6.	<u>C</u>			<u>X</u>		<u>13:14</u>	<u>5</u>							<u>X</u>	<u>X</u>			
7.	<u>D</u>		<u>X</u>			<u>13:20</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
8.	<u>D</u>			<u>X</u>		<u>13:22</u>	<u>5</u>							<u>X</u>	<u>X</u>			
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>5-1-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>4.1°C</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: <u>Pid Meter calibrated 5-1-2025</u> <u>Equal volume of soil used, 5:1 Composite</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>5-1-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: STN Hope

Chemtech Order ID: _____

Sampler Name: Lawrence Palko

Client Project Coordinator & Phone: _____

Service Order #: _____

Work Order #: _____

Labor WBS #: _____

Facility/Site: _____

Site Address: 3000 Interchange

Arrive Time: 0830

Drive, Budd Lake, NJ.

Depart Time: 1410

Page #: 1 of 1

Date: 5.1.2025

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depth: _____

Dimensions/CY: _____

Temp (range): _____

°C PID Readings (range): _____

PPM

Odor: Y / N

Color: Y / N

Sample Description: Brown soil, Rocks.

Field Observations: Sample 6, small pile, large pile, however well pile.

Grid/Area Composite Map:

QA Control # A3041134

SEE

ATTACHED

Sampler Signature: _____

5.1.2025

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

Lower Wall

EXHIBIT 1

Soil Piles for Sampling

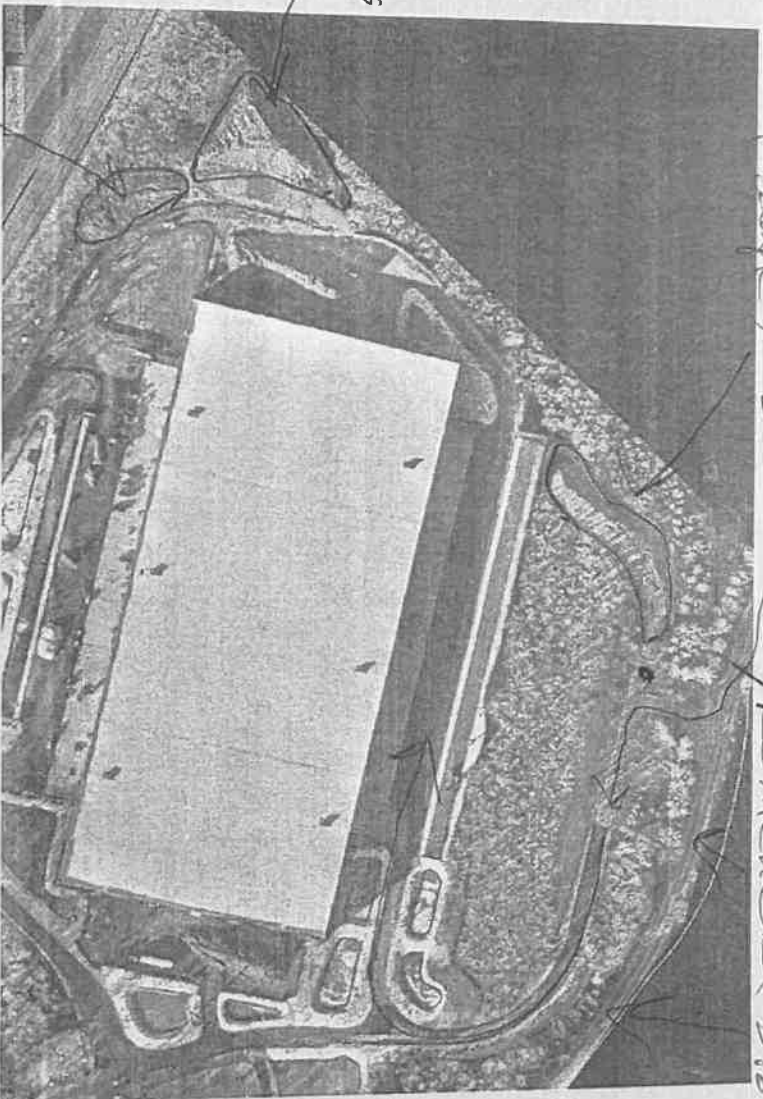
Piles for sampling are circled in red

4 Samples 25" #

Contenetal Dr.

3 tests

Pile



4 Samples

Large Pile
30" #

4 Samples

Small Pile
20" #

Total 14 Samples

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 : Q1938	SAXT01	Order Date : 5/1/2025 2:05:00 PM	Project Mgr :
Client Name : Saxton Falls Sand and Grav		Project Name : Stan Hope	Report Type : Level 1
Client Contact : Rich Schindelar		Receive DateTime : 5/1/2025 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Saxton Falls Sand and Grav		Purchase Order : 15:40	Hard Copy Date :
Invoice Contact : Rich Schindelar			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1938-02	LOWER-WALL-PILE-A	Solid	05/01/2025	12:52	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-04	LOWER-WALL-PILE-B	Solid	05/01/2025	13:02	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-06	LOWER-WALL-PILE-C	Solid	05/01/2025	13:14	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-08	LOWER-WALL-PILE-D	Solid	05/01/2025	13:22	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

LCJ

5-1-2025 1650

Received By :

Date / Time :

Wm Duden

5-1-25 16:5

Storage Area : VOA Refridgerator Room

Touch
Storage in VOA
FRZ # 02 Extract
in set # 06