

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:	Q2100	OrderDate:	5/20/2025 3:22:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2100-01	TP-16	SOIL	VOC-TCLVOA-10	8260D	05/19/25		05/23/25	05/20/25
Q2100-02	TP-22	SOIL	VOC-TCLVOA-10	8260D	05/19/25		05/22/25	05/20/25
Q2100-03	TP-21	SOIL	VOC-TCLVOA-10	8260D	05/20/25		05/23/25	05/20/25
Q2100-04	TP-45	SOIL	VOC-TCLVOA-10	8260D	05/20/25		05/22/25	05/20/25

Hit Summary Sheet
SW-846

SDG No.: Q2100
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TP-22							
Q2100-02	TP-22	SOIL	Acetone	31.7		3.90	20.8	ug/Kg
Q2100-02	TP-22	SOIL	2-Butanone	6.00	J	5.40	20.8	ug/Kg
Q2100-02	TP-22	SOIL	Benzene	21.5		0.66	4.20	ug/Kg
Q2100-02	TP-22	SOIL	m/p-Xylenes	1.30	J	1.00	8.30	ug/Kg
			Total Voc :			60.5		
Q2100-02	TP-22	SOIL	Butane	* 6.00	J	0	0	ug/Kg
			Total Tics :			6.00		
			Total Concentration:			66.5		
Client ID:	TP-45							
Q2100-04	TP-45	SOIL	Acetone	7.90	J	4.50	23.5	ug/Kg
			Total Voc :			7.90		
			Total Concentration:			7.90		



QC SUMMARY

Surrogate Summary

SDG No.: **Q2100**

Client: **CDM Smith**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2100-01	TP-16	1,2-Dichloroethane-d4	50	55.5	111	63	155
		Dibromofluoromethane	50	51.9	104	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	40.9	82	38	136
Q2100-02	TP-22	1,2-Dichloroethane-d4	50	46.6	93	63	155
		Dibromofluoromethane	50	48.6	97	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	38.3	77	38	136
Q2100-03	TP-21	1,2-Dichloroethane-d4	50	48.8	98	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	47.9	96	74	123
		4-Bromofluorobenzene	50	37.3	75	38	136
Q2100-04	TP-45	1,2-Dichloroethane-d4	50	50.5	101	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.7	79	38	136
VY0522SBL01	VY0522SBL01	1,2-Dichloroethane-d4	50	48.9	98	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
VY0522SBS01	VY0522SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	50.3	101	70	134
		Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136
VY0522SBSD01	VY0522SBSD01	1,2-Dichloroethane-d4	50	50.4	101	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	47.1	94	38	136
VY0523SBL01	VY0523SBL01	1,2-Dichloroethane-d4	50	56.1	112	63	155
		Dibromofluoromethane	50	56.7	113	70	134
		Toluene-d8	50	54.7	109	74	123
		4-Bromofluorobenzene	50	44.0	88	38	136
VY0523SBS01	VY0523SBS01	1,2-Dichloroethane-d4	50	50.7	101	63	155
		Dibromofluoromethane	50	53.6	107	70	134
		Toluene-d8	50	53.5	107	74	123
		4-Bromofluorobenzene	50	48.8	98	38	136

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022382.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0522SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			64	136	
	Chloromethane	20	23.3	ug/Kg	117			70	130	
	Vinyl chloride	20	24.9	ug/Kg	125			72	129	
	Bromomethane	20	34.5	ug/Kg	173		*	58	141	
	Chloroethane	20	28.5	ug/Kg	143		*	69	130	
	Trichlorofluoromethane	20	23.4	ug/Kg	117			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	110	ug/Kg	110			60	131	
	Carbon disulfide	20	19.3	ug/Kg	97			45	154	
	Methyl tert-butyl Ether	20	19.6	ug/Kg	98			77	129	
	Methyl Acetate	20	16.6	ug/Kg	83			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			56	174	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			80	123	
	1,1-Dichloroethane	20	19.4	ug/Kg	97			82	123	
	Cyclohexane	20	18.7	ug/Kg	94			76	122	
	2-Butanone	100	95.4	ug/Kg	95			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			82	123	
	Bromochloromethane	20	18.6	ug/Kg	93			80	127	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	19.5	ug/Kg	98			80	126	
	Methylcyclohexane	20	19.2	ug/Kg	96			77	123	
	Benzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichloroethane	20	19.1	ug/Kg	96			81	126	
	Trichloroethene	20	20.1	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			83	122	
	Bromodichloromethane	20	19.3	ug/Kg	97			82	123	
	4-Methyl-2-Pentanone	100	88.9	ug/Kg	89			70	135	
	Toluene	20	19.4	ug/Kg	97			83	122	
	t-1,3-Dichloropropene	20	18.5	ug/Kg	93			78	124	
	cis-1,3-Dichloropropene	20	18.8	ug/Kg	94			81	122	
	1,1,2-Trichloroethane	20	19.6	ug/Kg	98			82	125	
	2-Hexanone	100	89.5	ug/Kg	90			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			80	125	
	Tetrachloroethene	20	19.9	ug/Kg	100			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	38.0	ug/Kg	95			83	124	
	o-Xylene	20	18.8	ug/Kg	94			83	123	
	Styrene	20	19.0	ug/Kg	95			82	124	
	Bromoform	20	19.2	ug/Kg	96			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/Kg	99			77	127	
	1,3-Dichlorobenzene	20	18.9	ug/Kg	95			83	122	
	1,4-Dichlorobenzene	20	19.0	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022382.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0522SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			66	134	
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98			78	127	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022383.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0522SBSD01	Dichlorodifluoromethane	20	20.2	ug/Kg	101	3		64	136	20
	Chloromethane	20	23.2	ug/Kg	116	1		70	130	20
	Vinyl chloride	20	25.4	ug/Kg	127	2		72	129	20
	Bromomethane	20	33.4	ug/Kg	167	4	*	58	141	20
	Chloroethane	20	28.3	ug/Kg	142	1	*	69	130	20
	Trichlorofluoromethane	20	21.1	ug/Kg	106	10		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	1		79	121	20
	Acetone	100	93.4	ug/Kg	93	17		60	131	20
	Carbon disulfide	20	19.7	ug/Kg	99	2		45	154	20
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	8		77	129	20
	Methyl Acetate	20	19.3	ug/Kg	97	16		69	149	20
	Methylene Chloride	20	19.0	ug/Kg	95	0		56	174	20
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	2		80	123	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	5		82	123	20
	Cyclohexane	20	18.8	ug/Kg	94	0		76	122	20
	2-Butanone	100	97.2	ug/Kg	97	2		69	131	20
	Carbon Tetrachloride	20	19.5	ug/Kg	98	1		76	129	20
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	4		82	123	20
	Bromochloromethane	20	20.3	ug/Kg	102	9		80	127	20
	Chloroform	20	20.7	ug/Kg	104	3		82	125	20
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	5		80	126	20
	Methylcyclohexane	20	19.6	ug/Kg	98	2		77	123	20
	Benzene	20	20.1	ug/Kg	101	3		84	121	20
	1,2-Dichloroethane	20	20.3	ug/Kg	102	6		81	126	20
	Trichloroethene	20	20.3	ug/Kg	102	1		83	122	20
	1,2-Dichloropropane	20	19.7	ug/Kg	99	3		83	122	20
	Bromodichloromethane	20	19.9	ug/Kg	100	3		82	123	20
	4-Methyl-2-Pentanone	100	97.6	ug/Kg	98	10		70	135	20
	Toluene	20	19.4	ug/Kg	97	0		83	122	20
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	4		78	124	20
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	5		81	122	20
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104	6		82	125	20
	2-Hexanone	100	95.7	ug/Kg	96	6		66	138	20
	Dibromochloromethane	20	20.4	ug/Kg	102	2		79	125	20
	1,2-Dibromoethane	20	20.2	ug/Kg	101	3		80	125	20
	Tetrachloroethene	20	20.9	ug/Kg	104	4		83	125	20
	Chlorobenzene	20	20.4	ug/Kg	102	3		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	4		82	124	20
	m/p-Xylenes	40	39.7	ug/Kg	99	4		83	124	20
	o-Xylene	20	19.8	ug/Kg	99	5		83	123	20
	Styrene	20	19.9	ug/Kg	100	5		82	124	20
	Bromoform	20	20.8	ug/Kg	104	8		75	127	20
	Isopropylbenzene	20	19.7	ug/Kg	99	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106	7		77	127	20
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	4		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	5		84	121	20
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101	5		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100
Client: CDM Smith
Analytical Method: SW8260D **Datafile :** VY022383.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0522SBSD01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107	9		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	2		78	127	20
	1,2,3-Trichlorobenzene	20	20.4	ug/Kg	102	6		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0523SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			64	136	
	Chloromethane	20	24.0	ug/Kg	120			70	130	
	Vinyl chloride	20	25.2	ug/Kg	126			72	129	
	Bromomethane	20	34.5	ug/Kg	173		*	58	141	
	Chloroethane	20	27.1	ug/Kg	136		*	69	130	
	Trichlorofluoromethane	20	22.9	ug/Kg	115			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.8	ug/Kg	114			81	123	
	1,1-Dichloroethene	20	22.1	ug/Kg	111			79	121	
	Acetone	100	140	ug/Kg	140		*	60	131	
	Carbon disulfide	20	19.9	ug/Kg	100			45	154	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			77	129	
	Methyl Acetate	20	15.7	ug/Kg	79			69	149	
	Methylene Chloride	20	19.6	ug/Kg	98			56	174	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			82	123	
	Cyclohexane	20	20.1	ug/Kg	101			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	20.5	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Methylcyclohexane	20	21.4	ug/Kg	107			77	123	
	Benzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			83	122	
	Bromodichloromethane	20	20.0	ug/Kg	100			82	123	
	4-Methyl-2-Pentanone	100	92.8	ug/Kg	93			70	135	
	Toluene	20	20.2	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.4	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			80	125	
	Tetrachloroethene	20	21.1	ug/Kg	106			83	125	
	Chlorobenzene	20	20.5	ug/Kg	103			84	122	
	Ethyl Benzene	20	20.3	ug/Kg	102			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	20.0	ug/Kg	100			75	127	
	Isopropylbenzene	20	21.0	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2100

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0523SBS01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/Kg	102			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0522SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab File ID: VY022381.D

Lab Sample ID: VY0522SBL01

Date Analyzed: 05/22/2025

Time Analyzed: 09:07

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
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025
VY0522SBSD01	VY0522SBSD01	VY022383.D	05/22/2025
TP-22	Q2100-02	VY022398.D	05/22/2025
TP-45	Q2100-04	VY022400.D	05/22/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0523SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab File ID: VY022408.D

Lab Sample ID: VY0523SBL01

Date Analyzed: 05/23/2025

Time Analyzed: 15:26

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
VY0523SBS01	VY0523SBS01	VY022409.D	05/23/2025
TP-21	Q2100-03	VY022413.D	05/23/2025
TP-16	Q2100-01	VY022416.D	05/23/2025

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: CAMP02
Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
Lab File ID: VY022252.D BFB Injection Date: 05/15/2025
Instrument ID: MSVOA_Y BFB Injection Time: 07:52
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	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022253.D	05/15/2025	09:46
VSTDIC010	VSTDIC010	VY022254.D	05/15/2025	10:16
VSTDIC020	VSTDIC020	VY022255.D	05/15/2025	10:39
VSTDIC050	VSTDIC050	VY022256.D	05/15/2025	11:02
VSTDIC100	VSTDIC100	VY022257.D	05/15/2025	11:24
VSTDIC150	VSTDIC150	VY022258.D	05/15/2025	11:47



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: CAMP02
Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
Lab File ID: VY022379.D BFB Injection Date: 05/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:05
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	24.1
75	30.0 - 60.0% of mass 95	57.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.8 (97.4) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 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	VY022380.D	05/22/2025	08:35
VY0522SBL01	VY0522SBL01	VY022381.D	05/22/2025	09:07
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025	09:36
VY0522SBSD01	VY0522SBSD01	VY022383.D	05/22/2025	09:59
TP-22	Q2100-02	VY022398.D	05/22/2025	16:06
TP-45	Q2100-04	VY022400.D	05/22/2025	16:53



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: CAMP02
Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
Lab File ID: VY022406.D BFB Injection Date: 05/23/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:40
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	23.6
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	89
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	86.3 (97) 1
177	5.0 - 9.0% of mass 176	5.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022407.D	05/23/2025	14:34
VY0523SBL01	VY0523SBL01	VY022408.D	05/23/2025	15:26
VY0523SBS01	VY0523SBS01	VY022409.D	05/23/2025	16:28
TP-21	Q2100-03	VY022413.D	05/23/2025	18:01
TP-16	Q2100-01	VY022416.D	05/23/2025	19:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
 Lab File ID: VY022380.D Date Analyzed: 05/22/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:35
 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	161495	7.72	274168	8.62	235238	11.42
UPPER LIMIT	322990	8.22	548336	9.122	470476	11.92
LOWER LIMIT	80747.5	7.22	137084	8.122	117619	10.92
EPA SAMPLE NO.						
TP-22	231359	7.72	414060	8.62	325678	11.42
TP-45	236218	7.72	418190	8.62	340404	11.42
VY0522SBL01	263712	7.72	465826	8.62	376365	11.42
VY0522SBS01	174604	7.72	293942	8.62	250842	11.42
VY0522SBSD01	165702	7.71	283052	8.62	236945	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: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
 Lab File ID: VY022380.D Date Analyzed: 05/22/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:35
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	110586	13.353				
UPPER LIMIT	221172	13.853				
LOWER LIMIT	55293	12.853				
EPA SAMPLE NO.						
TP-22	119664	13.35				
TP-45	124499	13.35				
VY0522SBL01	137350	13.35				
VY0522SBS01	118480	13.35				
VY0522SBSD01	112772	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
 Lab File ID: VY022407.D Date Analyzed: 05/23/2025
 Instrument ID: MSVOA_Y Time Analyzed: 14:34
 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	221240	7.72	368290	8.62	319713	11.42
UPPER LIMIT	442480	8.219	736580	9.122	639426	11.92
LOWER LIMIT	110620	7.219	184145	8.122	159857	10.92
EPA SAMPLE NO.						
TP-16	303749	7.71	546937	8.62	451641	11.42
TP-21	340717	7.71	608366	8.62	471350	11.42
VY0523SBL01	328707	7.71	590839	8.62	465211	11.42
VY0523SBS01	220484	7.71	365163	8.62	306453	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: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100
 Lab File ID: VY022407.D Date Analyzed: 05/23/2025
 Instrument ID: MSVOA_Y Time Analyzed: 14:34
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	156128	13.352				
UPPER LIMIT	312256	13.852				
LOWER LIMIT	78064	12.852				
EPA SAMPLE NO.						
TP-16	169695	13.35				
TP-21	165102	13.35				
VY0523SBL01	167300	13.35				
VY0523SBS01	141917	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:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	10.7 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
VY022416.D	1		05/23/25 19:11	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.60	U	0.60	2.60	ug/Kg
74-87-3	Chloromethane	0.60	U	0.60	2.60	ug/Kg
75-01-4	Vinyl Chloride	0.42	U	0.42	2.60	ug/Kg
74-83-9	Bromomethane	0.57	UQ	0.57	2.60	ug/Kg
75-00-3	Chloroethane	0.67	UQ	0.67	2.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	2.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	U	0.56	2.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	2.60	ug/Kg
67-64-1	Acetone	2.50	UQ	2.50	13.2	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	2.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.39	U	0.39	2.60	ug/Kg
79-20-9	Methyl Acetate	0.81	U	0.81	2.60	ug/Kg
75-09-2	Methylene Chloride	1.90	U	1.90	5.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	0.45	2.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.42	U	0.42	2.60	ug/Kg
110-82-7	Cyclohexane	0.42	U	0.42	2.60	ug/Kg
78-93-3	2-Butanone	3.50	U	3.50	13.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.51	U	0.51	2.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	0.40	2.60	ug/Kg
74-97-5	Bromochloromethane	0.61	U	0.61	2.60	ug/Kg
67-66-3	Chloroform	0.44	U	0.44	2.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.49	U	0.49	2.60	ug/Kg
108-87-2	Methylcyclohexane	0.48	U	0.48	2.60	ug/Kg
71-43-2	Benzene	0.42	U	0.42	2.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	2.60	ug/Kg
79-01-6	Trichloroethene	0.43	U	0.43	2.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	2.60	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	2.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	13.2	ug/Kg
108-88-3	Toluene	0.41	U	0.41	2.60	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	10.7 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
VY022416.D	1		05/23/25 19:11	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.34	U	0.34	2.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.33	U	0.33	2.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.49	U	0.49	2.60	ug/Kg
591-78-6	2-Hexanone	2.00	U	2.00	13.2	ug/Kg
124-48-1	Dibromochloromethane	0.46	U	0.46	2.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	2.60	ug/Kg
127-18-4	Tetrachloroethene	0.56	U	0.56	2.60	ug/Kg
108-90-7	Chlorobenzene	0.48	U	0.48	2.60	ug/Kg
100-41-4	Ethyl Benzene	0.35	U	0.35	2.60	ug/Kg
179601-23-1	m/p-Xylenes	0.66	U	0.66	5.30	ug/Kg
95-47-6	o-Xylene	0.43	U	0.43	2.60	ug/Kg
100-42-5	Styrene	0.38	U	0.38	2.60	ug/Kg
75-25-2	Bromoform	0.45	U	0.45	2.60	ug/Kg
98-82-8	Isopropylbenzene	0.41	U	0.41	2.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.64	U	0.64	2.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.90	U	0.90	2.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	2.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.77	U	0.77	2.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.97	U	0.97	2.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	2.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.70	U	1.70	2.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.713			
540-36-3	1,4-Difluorobenzene	547000	8.622			
3114-55-4	Chlorobenzene-d5	452000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.353			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	10.7 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
VY022416.D	1		05/23/25 19:11	VY052325

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\VY052325\
 Data File : VY022416.D
 Acq On : 23 May 2025 19:11
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

Quant Time: May 23 23:24:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	303749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	546937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	169695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	184083	55.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.900%
35) Dibromofluoromethane	7.640	113	169380	51.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.109	98	652262	48.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.408	95	173216	40.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.740%

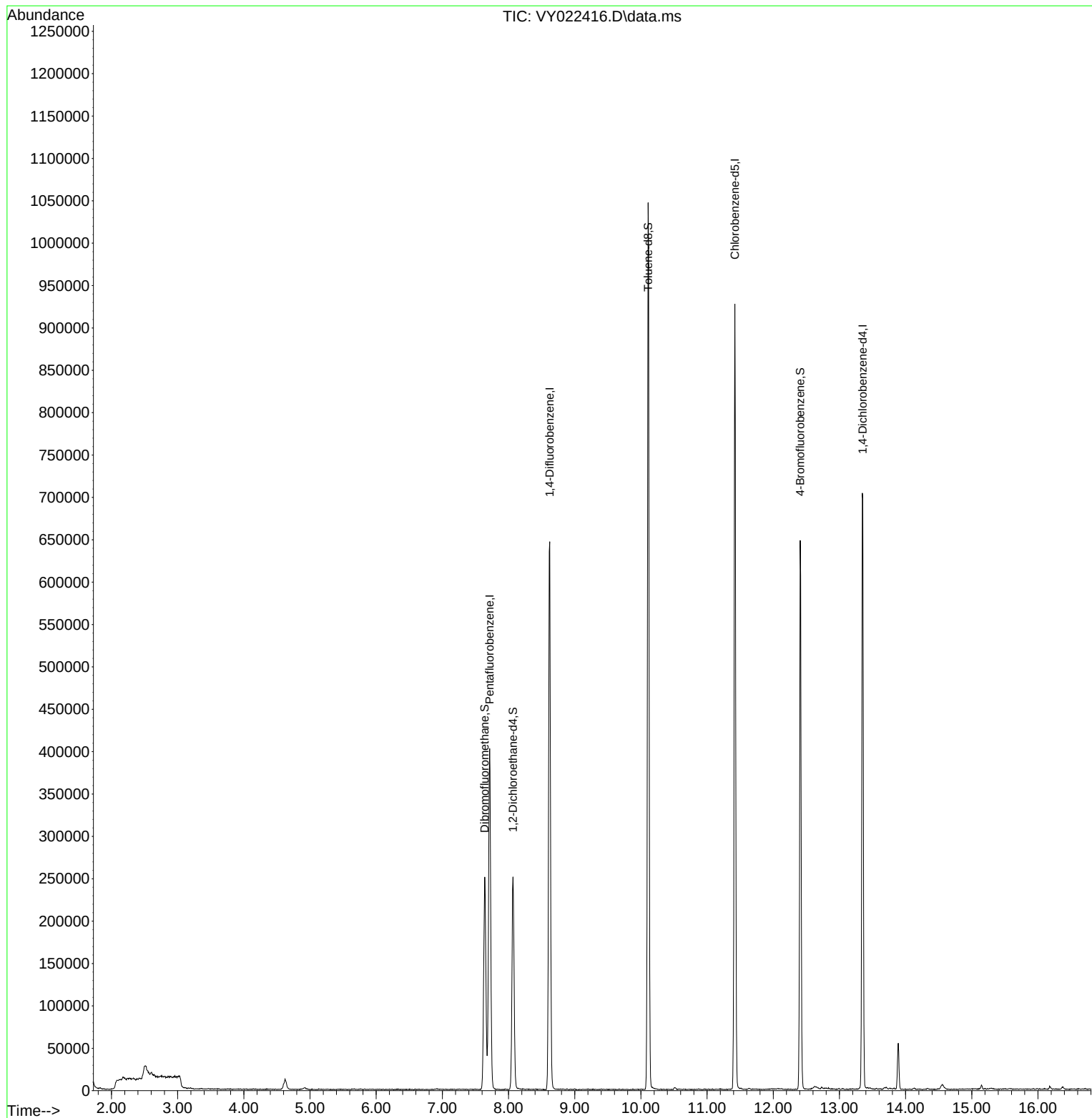
Target Compounds	Qvalue

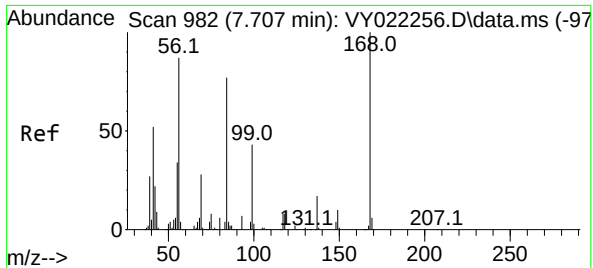
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022416.D
Acq On : 23 May 2025 19:11
Operator : SY/MD
Sample : Q2100-01
Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Quant Time: May 23 23:24:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

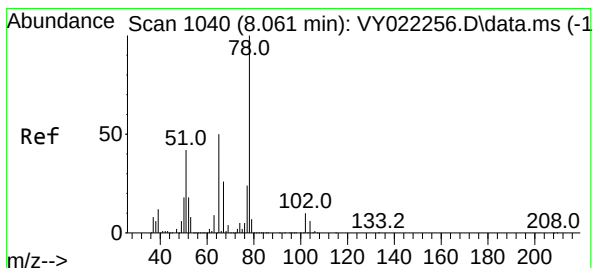
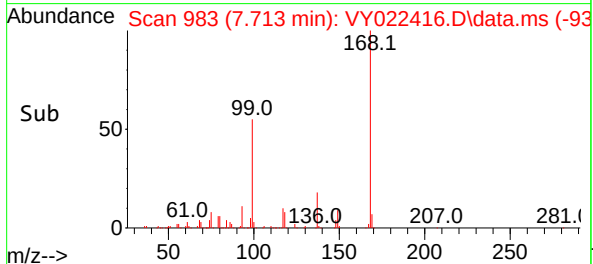
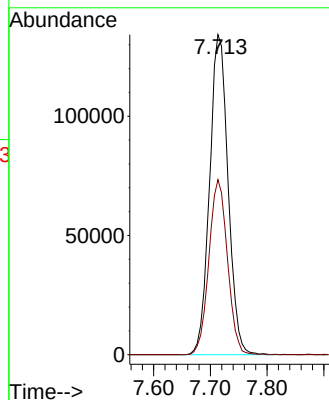
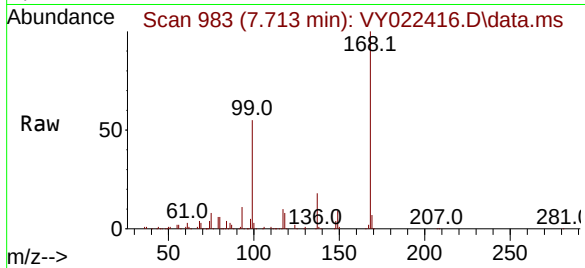




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

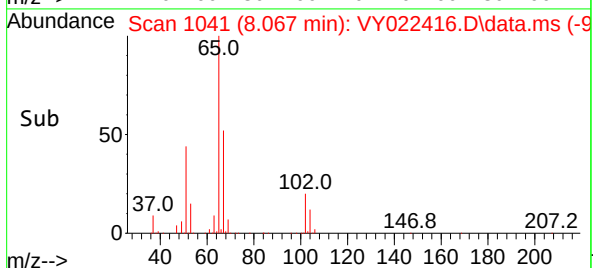
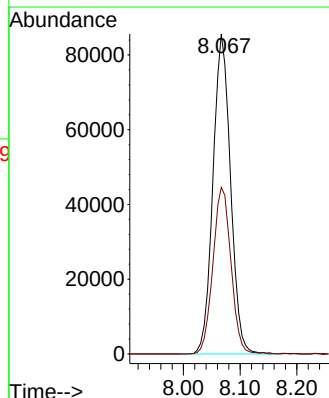
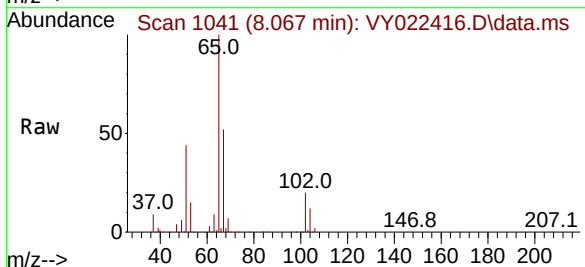
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

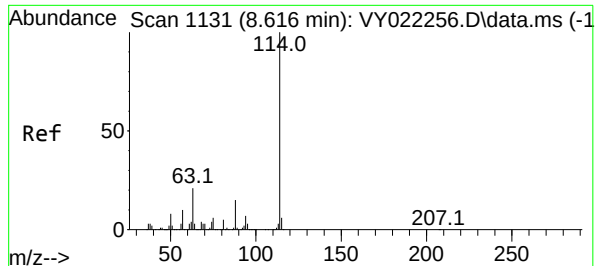
Tgt Ion:168 Resp: 303749
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 55.452 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 65 Resp: 184083
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

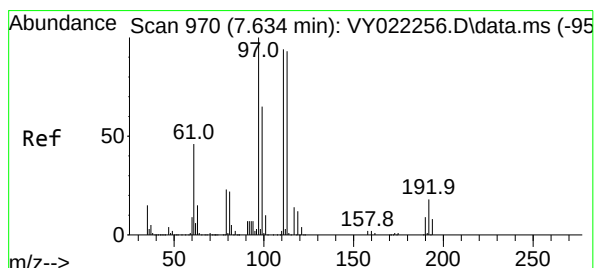
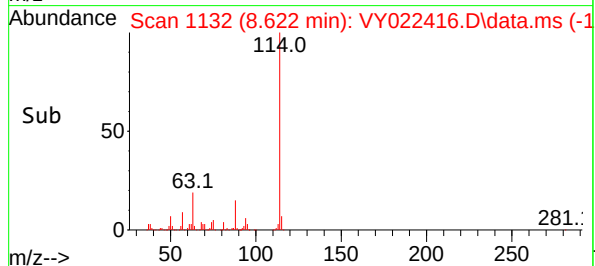
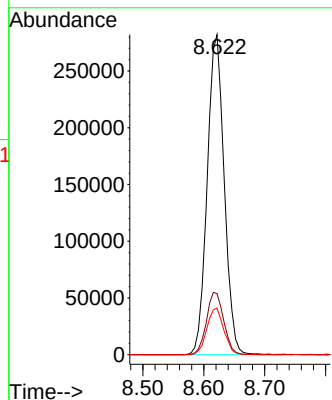
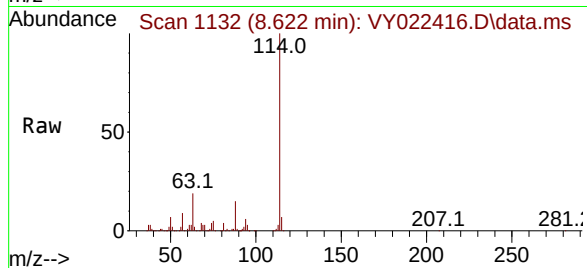
Tgt Ion:114 Resp: 546937

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.886 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

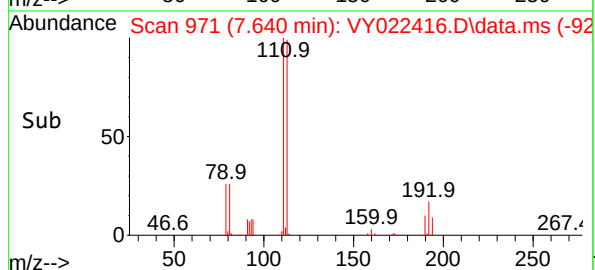
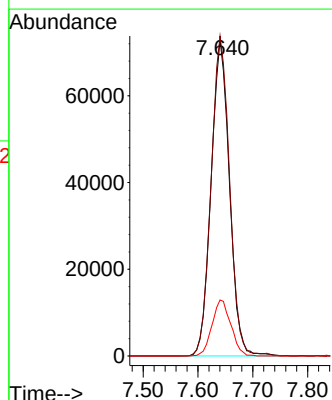
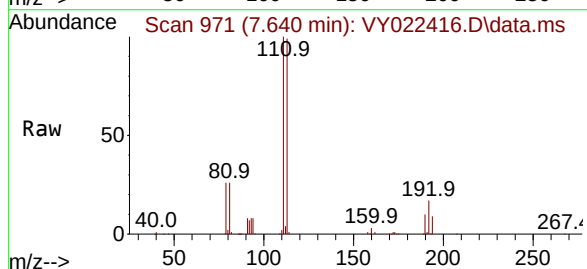
Tgt Ion:113 Resp: 169380

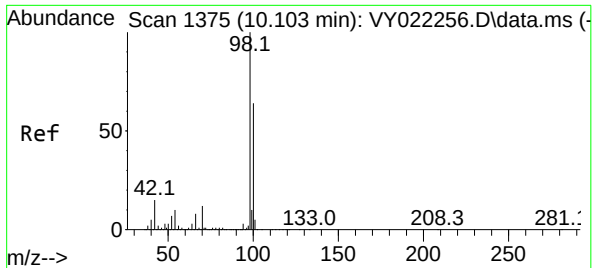
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.2 15.2 22.8





#50

Toluene-d8

Concen: 48.786 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

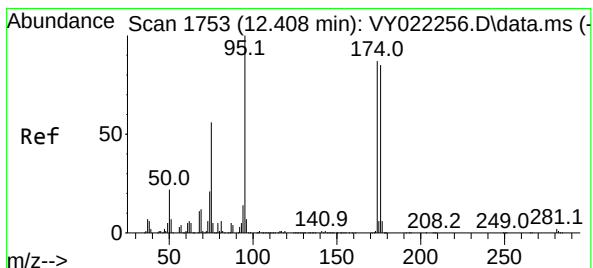
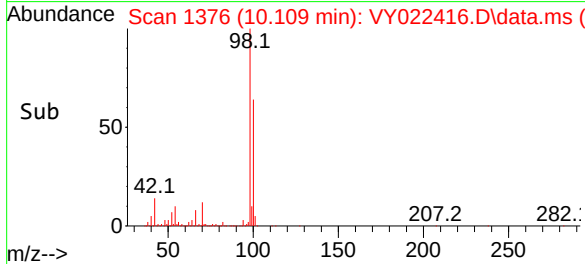
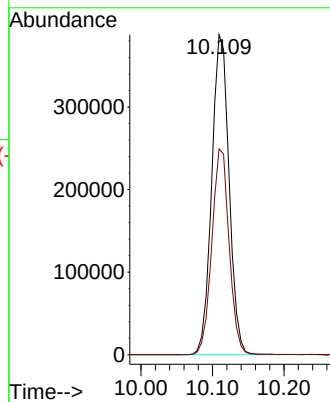
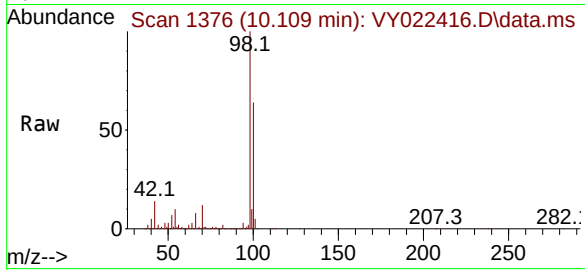
TP-16

Tgt Ion: 98 Resp: 652262

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 40.875 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

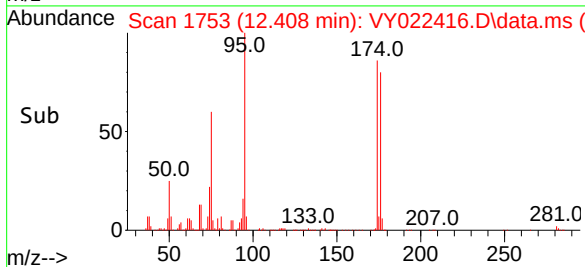
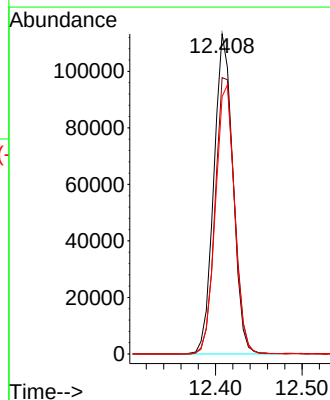
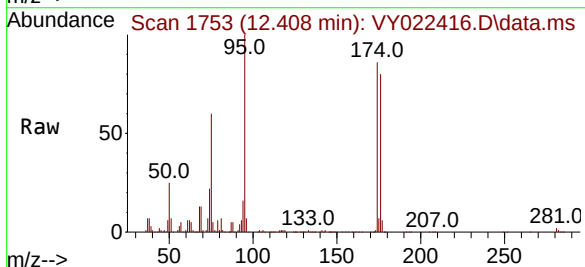
Tgt Ion: 95 Resp: 173216

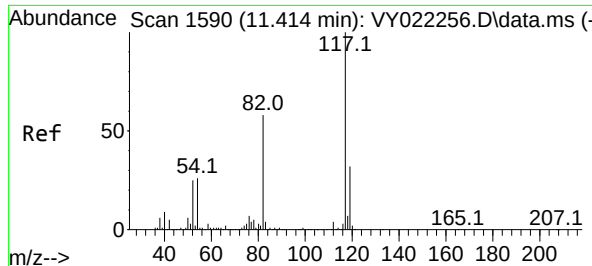
Ion Ratio Lower Upper

95 100

174 87.8 0.0 166.8

176 84.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

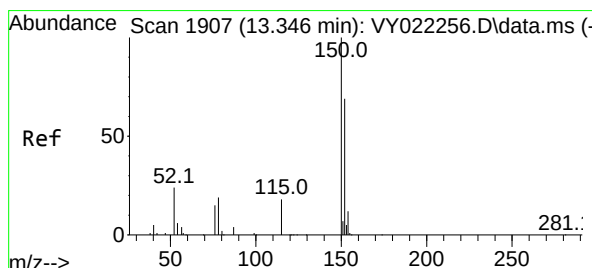
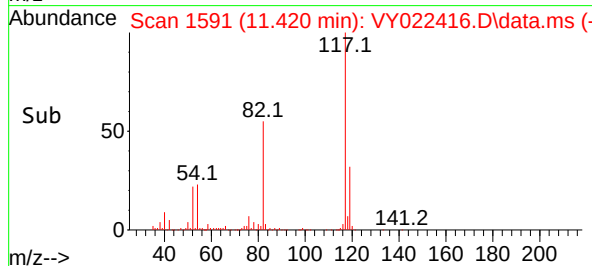
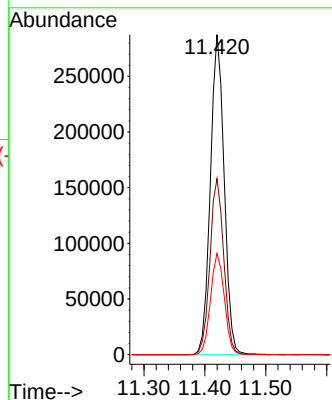
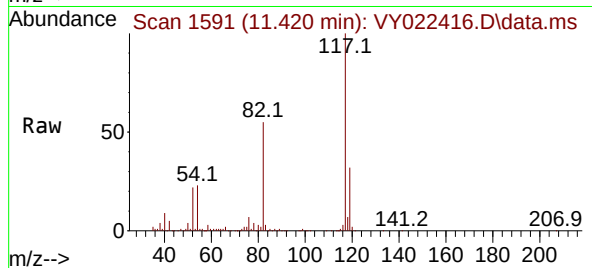
Tgt Ion:117 Resp: 451641

Ion Ratio Lower Upper

117 100

82 55.0 46.6 70.0

119 31.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

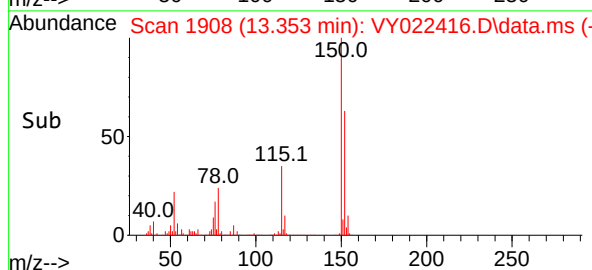
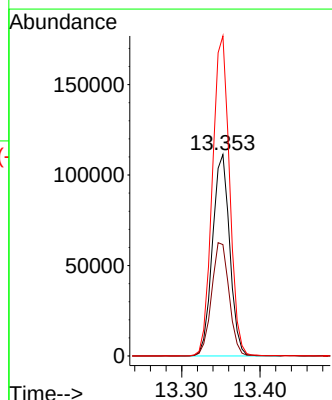
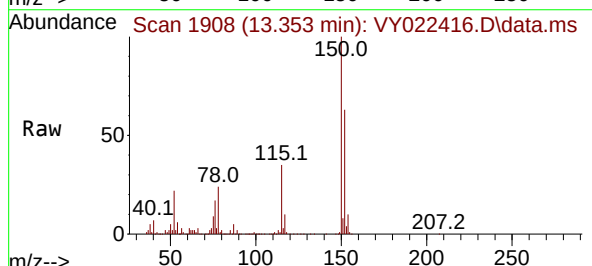
Tgt Ion:152 Resp: 169695

Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 158.4 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022416.D
 Acq On : 23 May 2025 19:11
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022416.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	49	59	63	rBV5	10198	30437	1.73%	0.341%
2	2.513	121	130	137	rBV5	15151	60642	3.44%	0.680%
3	4.622	465	476	489	rBV3	12084	35355	2.01%	0.397%
4	7.640	961	971	977	rBV	250660	583480	33.09%	6.546%
5	7.713	977	983	998	rVB	402523	908702	51.54%	10.195%
6	8.067	1030	1041	1054	rBV	251007	556513	31.57%	6.244%
7	8.622	1123	1132	1147	rBV	646940	1282603	72.75%	14.390%
8	10.109	1368	1376	1385	rBV	1046313	1763069	100.00%	19.781%
9	11.420	1584	1591	1604	rBV	926215	1465218	83.11%	16.439%
10	12.408	1744	1753	1765	rBV	647923	1014458	57.54%	11.382%
11	13.346	1897	1907	1917	rBV	703253	1106332	62.75%	12.412%
12	13.889	1990	1996	2003	rVB2	54480	87582	4.97%	0.983%
13	14.554	2097	2105	2117	rVB7	5738	18676	1.06%	0.210%

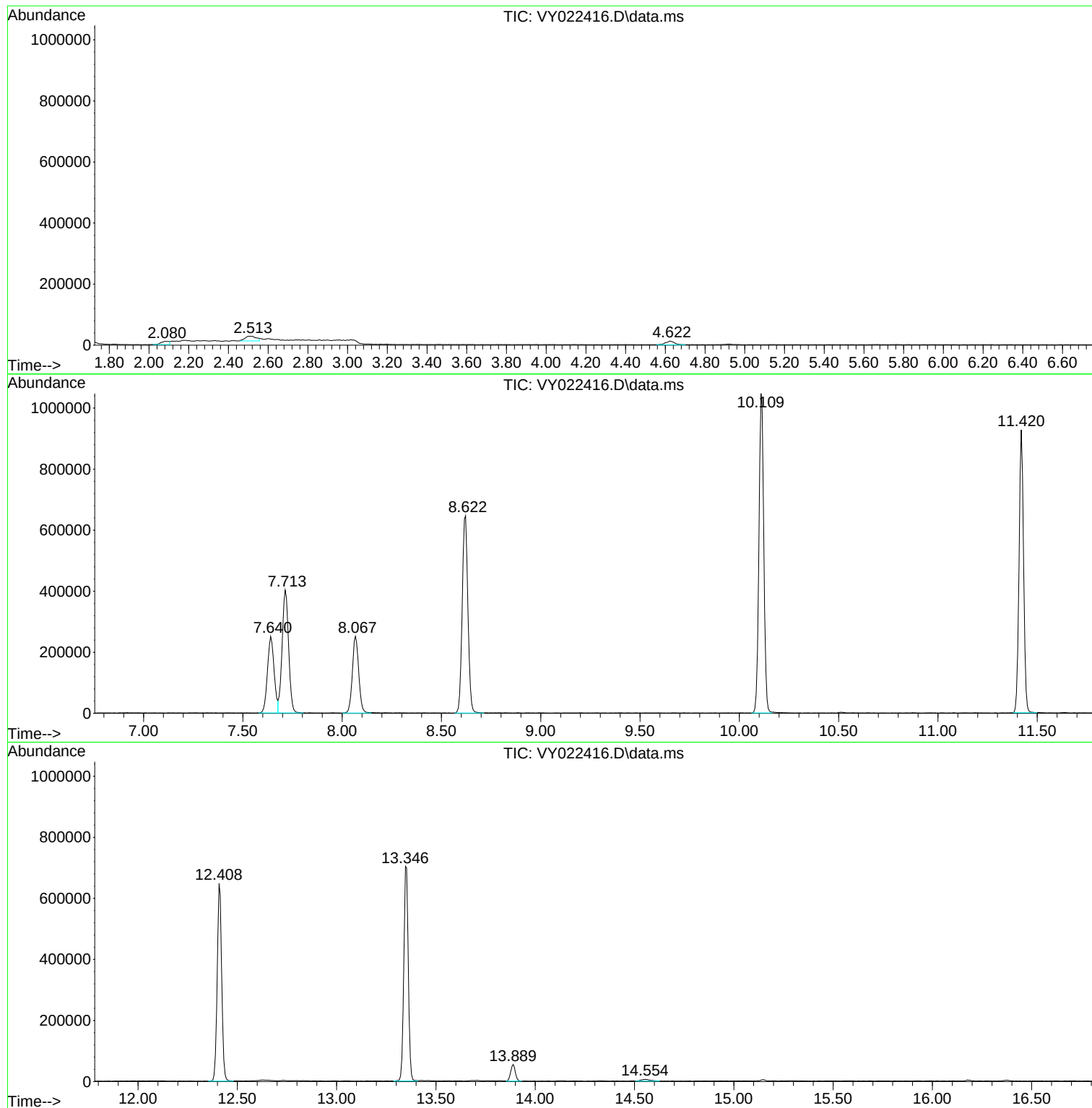
Sum of corrected areas: 8913067

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022416.D
Acq On : 23 May 2025 19:11
Operator : SY/MD
Sample : Q2100-01
Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022416.D
Acq On : 23 May 2025 19:11
Operator : SY/MD
Sample : Q2100-01
Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY052325\
Data File : VY022416.D
Acq On : 23 May 2025 19:11
Operator : SY/MD
Sample : Q2100-01
Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-22	SDG No.:	Q2100
Lab Sample ID:	Q2100-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84
Sample Wt/Vol:	7.16 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
VY022398.D	1		05/22/25 16:06	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.20	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.89	UQ	0.89	4.20	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.20	ug/Kg
67-64-1	Acetone	31.7		3.90	20.8	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	6.00	J	5.40	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	21.5		0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.8	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-22	SDG No.:	Q2100
Lab Sample ID:	Q2100-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84
Sample Wt/Vol:	7.16	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022398.D	1		05/22/25 16:06	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.20	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.20	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.20	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.6	63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6	70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.7	74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.3	38 - 136	77%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	231000	7.719
540-36-3	1,4-Difluorobenzene	414000	8.622
3114-55-4	Chlorobenzene-d5	326000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.352

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-22	SDG No.:	Q2100
Lab Sample ID:	Q2100-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84
Sample Wt/Vol:	7.16 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
VY022398.D	1		05/22/25 16:06	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000106-97-8	Butane	6.00	J		2.20	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\VY052225\
 Data File : VY022398.D
 Acq On : 22 May 2025 16:06
 Operator : SY/MD
 Sample : Q2100-02
 Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22

Quant Time: May 23 03:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

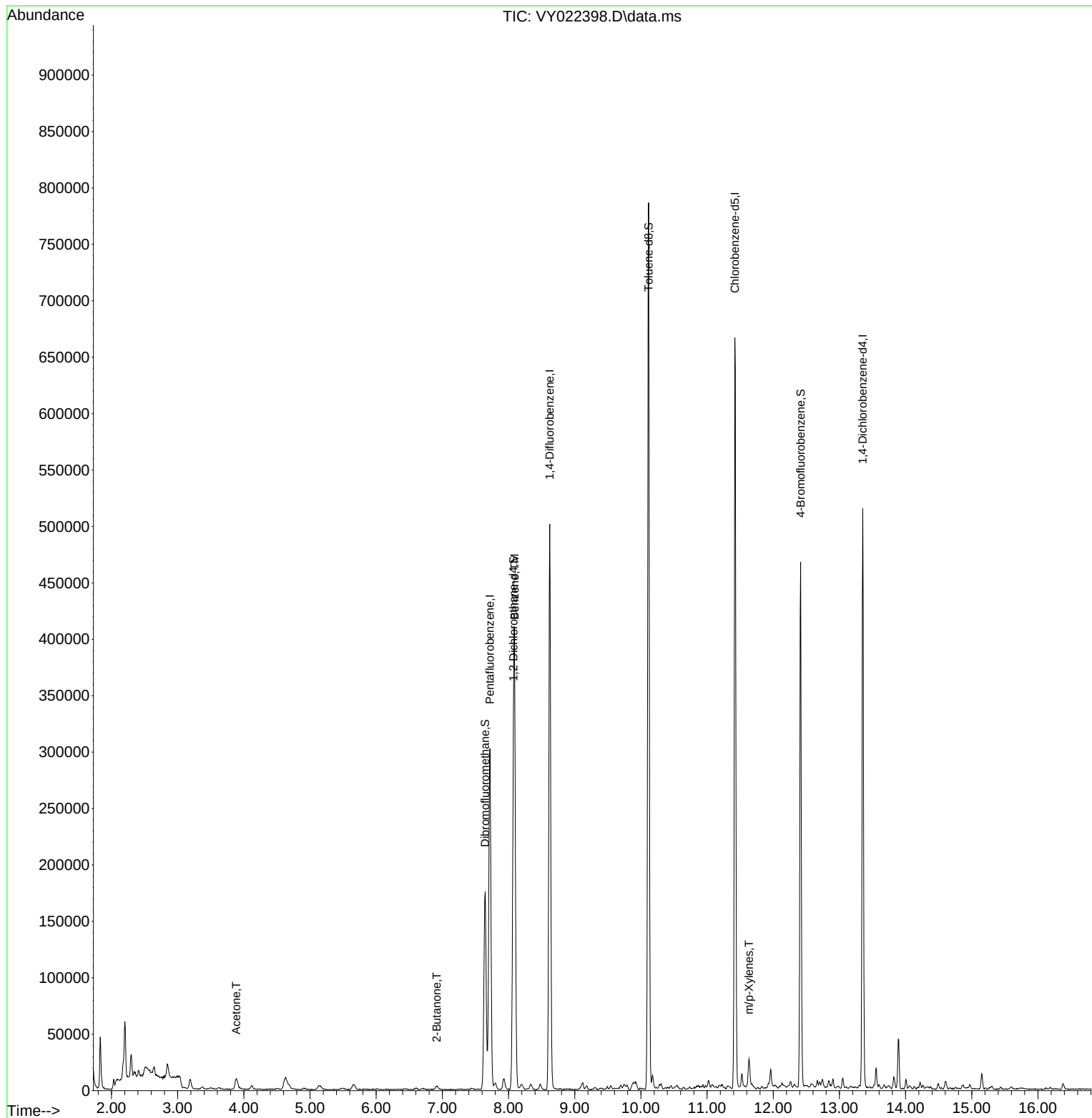
Internal Standards						
1) Pentafluorobenzene	7.719	168	231359	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	414060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	119664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	117920	46.636	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.280%
35) Dibromofluoromethane	7.646	113	120139	48.613	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.220%
50) Toluene-d8	10.115	98	492469	48.655	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.414	95	122725	38.254	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.500%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	18091	38.157	ug/l #	83
25) 2-Butanone	6.915	43	5759	7.262	ug/l #	84
40) Benzene	8.091	78	312744	25.917	ug/l	98
68) m/p-Xylenes	11.633	106	8109	1.564	ug/l	87

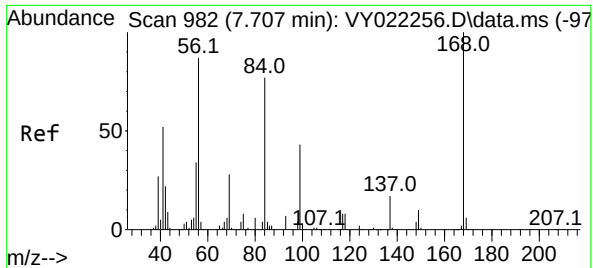
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022398.D
Acq On : 22 May 2025 16:06
Operator : SY/MD
Sample : Q2100-02
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

Quant Time: May 23 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

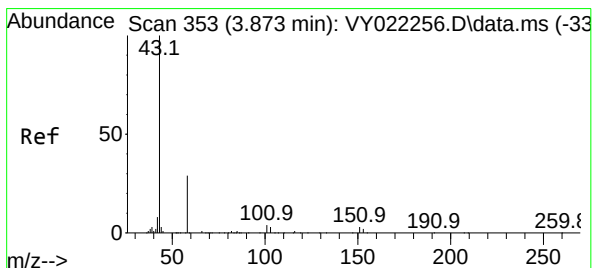
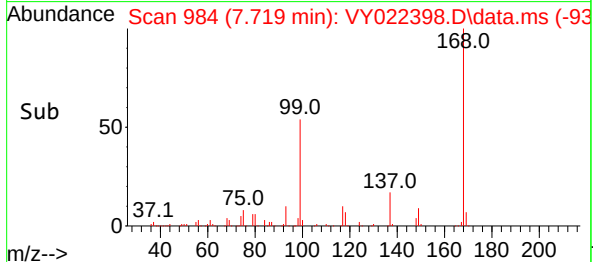
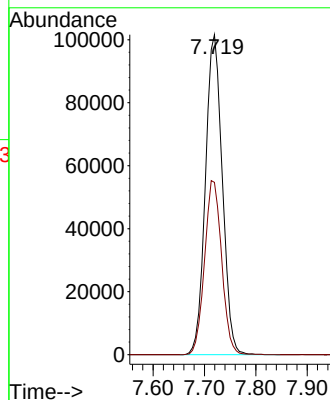
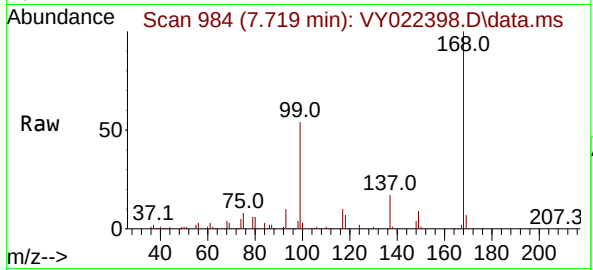




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

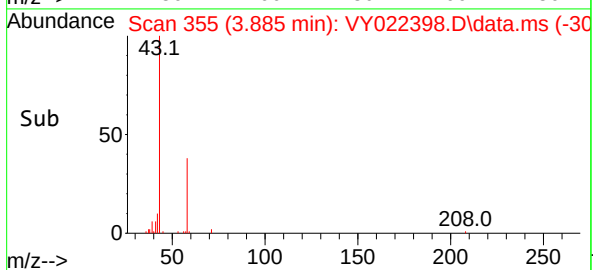
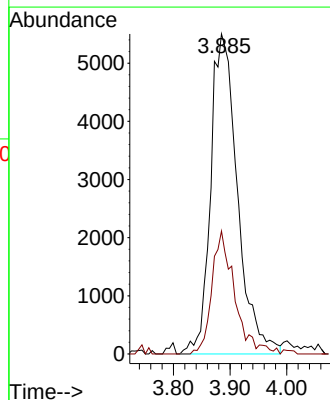
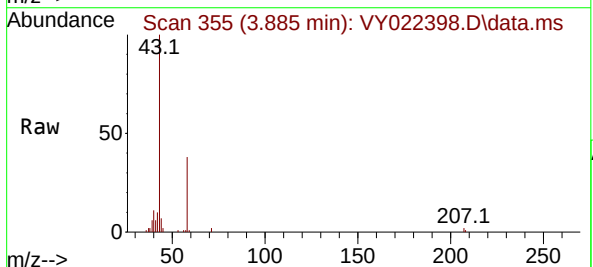
Instrument :
MSVOA_Y
ClientSampleId :
TP-22

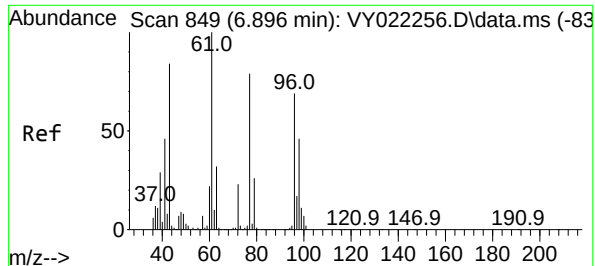
Tgt Ion:168 Resp: 231359
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#16
Acetone
Concen: 38.157 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion: 43 Resp: 18091
Ion Ratio Lower Upper
43 100
58 38.4 23.6 35.4#





#25

2-Butanone

Concen: 7.262 ug/l

RT: 6.915 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

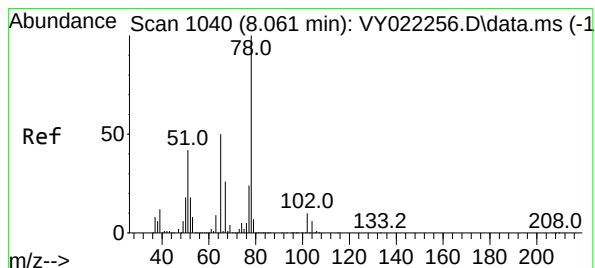
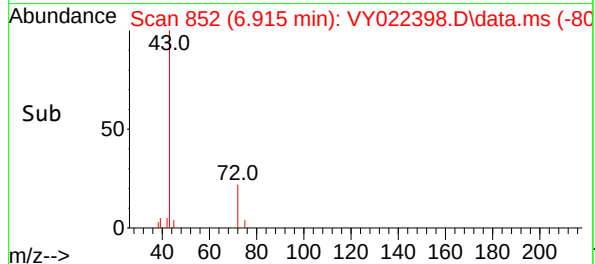
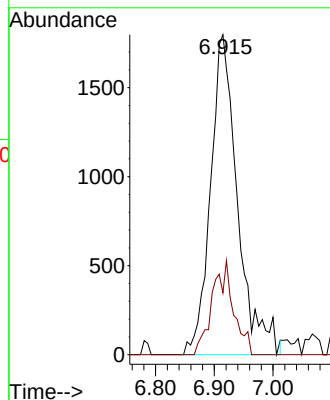
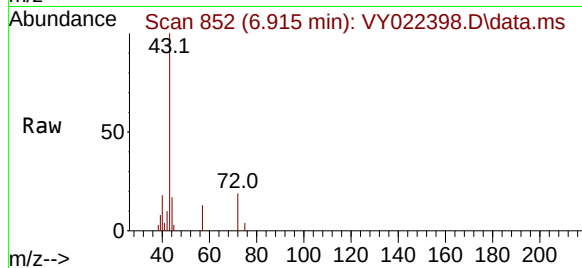
TP-22

Tgt Ion: 43 Resp: 5759

Ion Ratio Lower Upper

43 100

72 19.3 22.1 33.1#



#33

1,2-Dichloroethane-d4

Concen: 46.636 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY022398.D

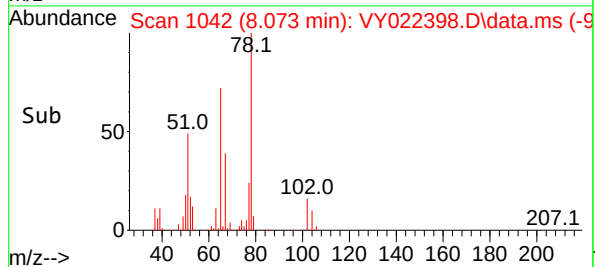
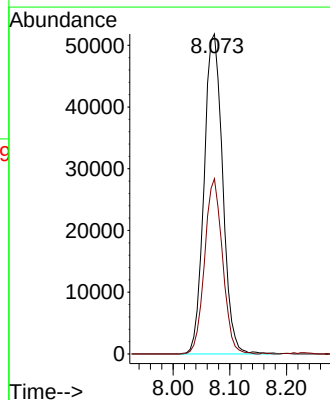
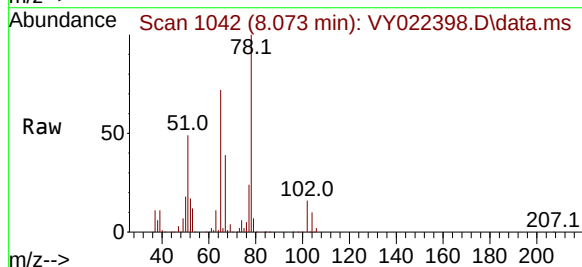
Acq: 22 May 2025 16:06

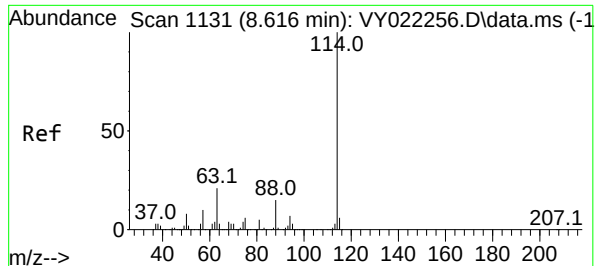
Tgt Ion: 65 Resp: 117920

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-22

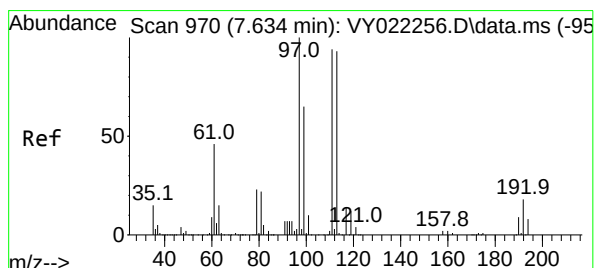
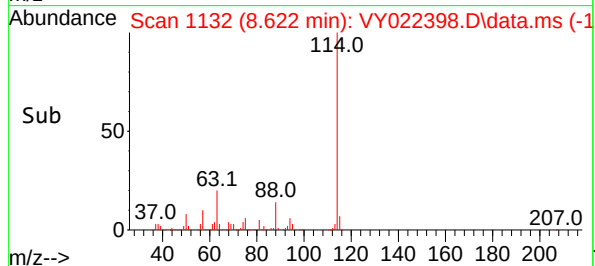
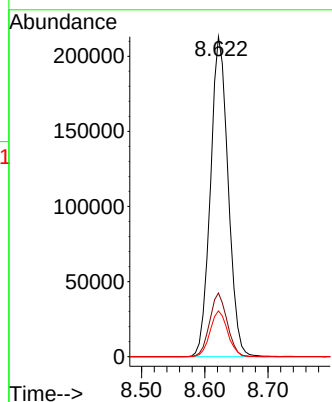
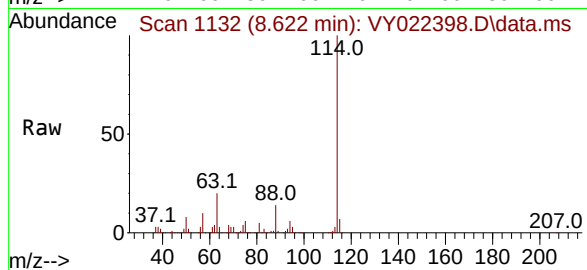
Tgt Ion:114 Resp: 414060

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.613 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

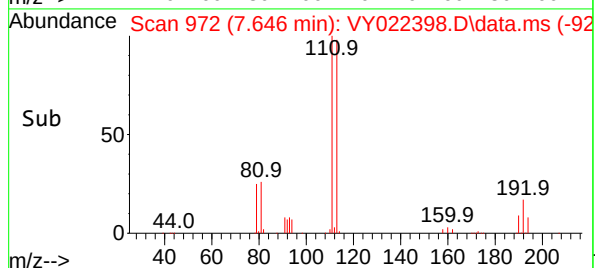
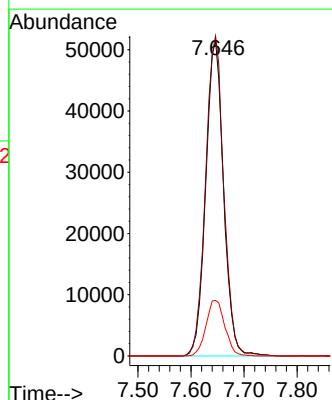
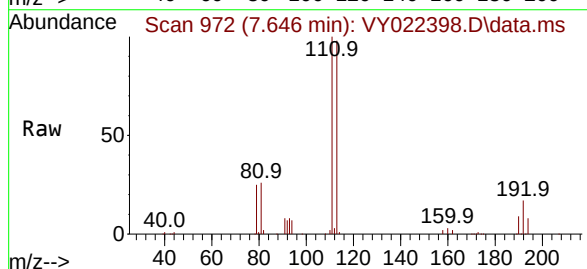
Tgt Ion:113 Resp: 120139

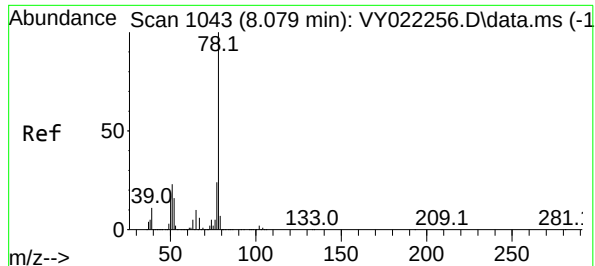
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.6 15.2 22.8





#40

Benzene

Concen: 25.917 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

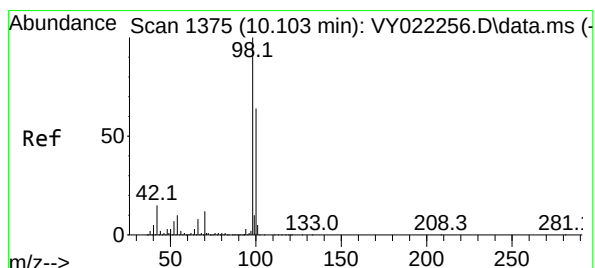
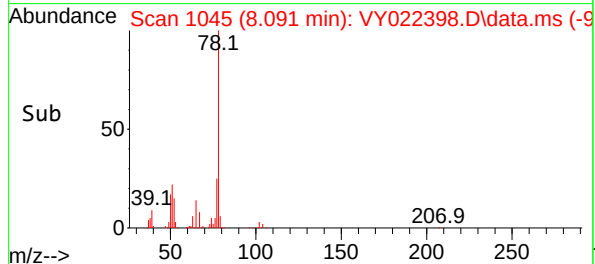
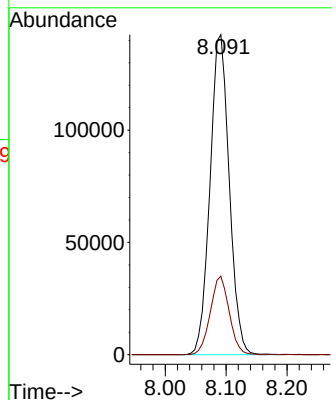
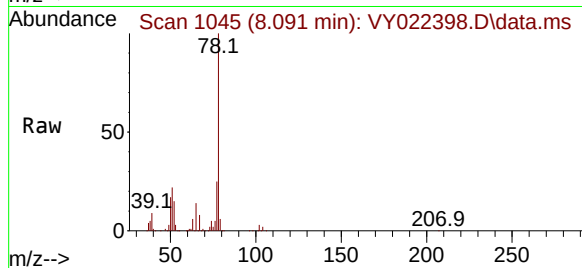
TP-22

Tgt Ion: 78 Resp: 312744

Ion Ratio Lower Upper

78 100

77 24.6 18.9 28.3



#50

Toluene-d8

Concen: 48.655 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022398.D

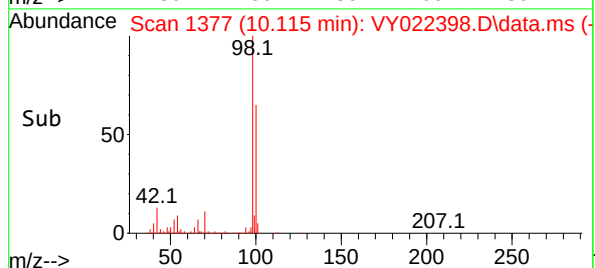
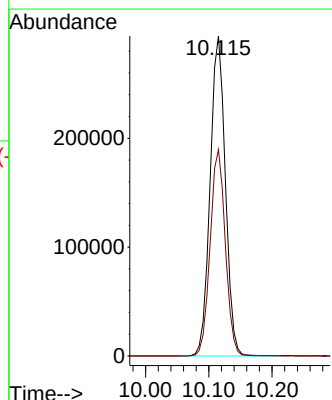
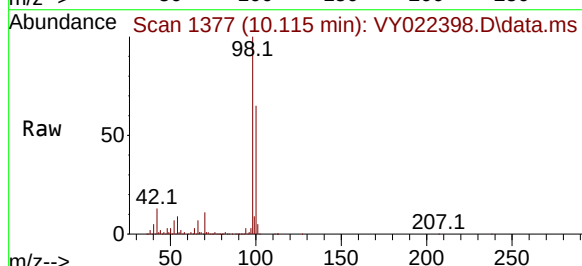
Acq: 22 May 2025 16:06

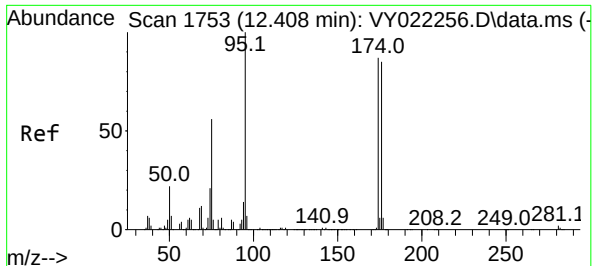
Tgt Ion: 98 Resp: 492469

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8

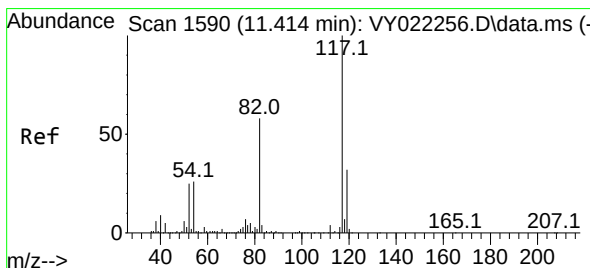
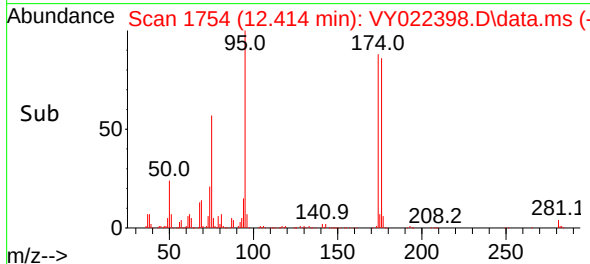
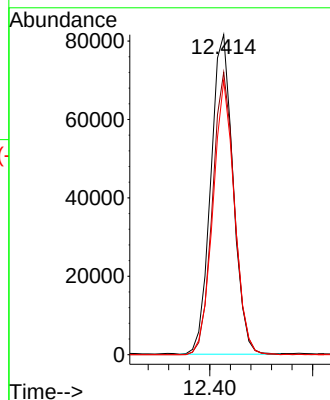
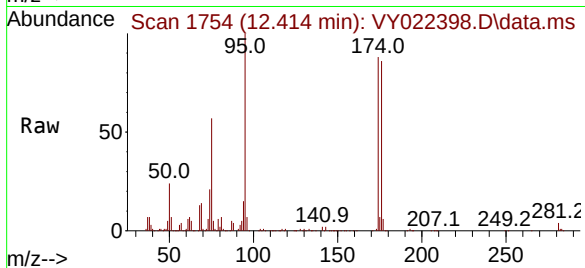




#62
4-Bromofluorobenzene
Concen: 38.254 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

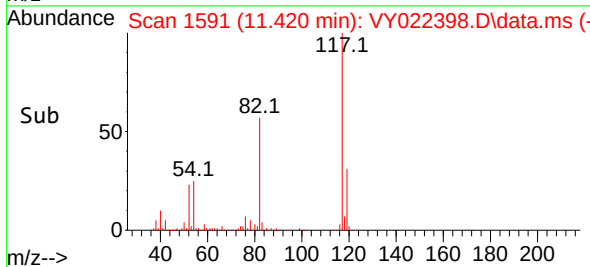
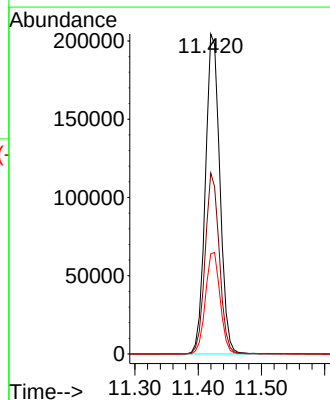
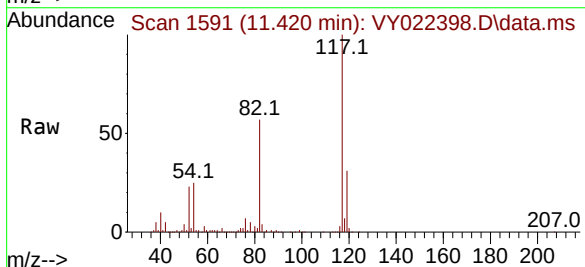
Instrument :
MSVOA_Y
ClientSampleId :
TP-22

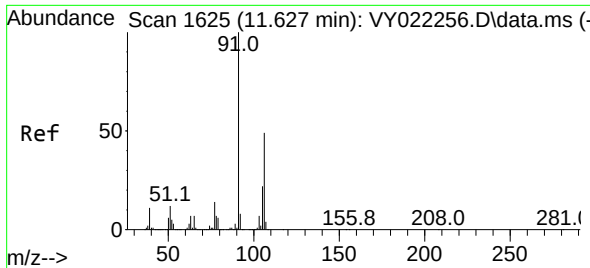
Tgt Ion: 95 Resp: 122725
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 82.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion: 117 Resp: 325678
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 31.3 25.8 38.6





#68

m/p-Xylenes

Concen: 1.564 ug/l

RT: 11.633 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

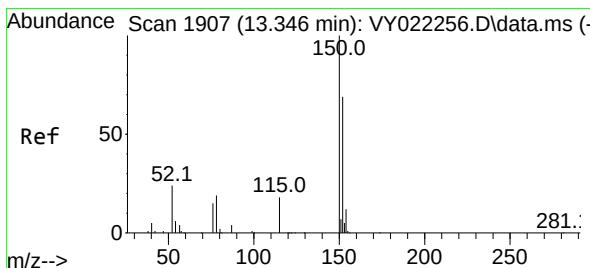
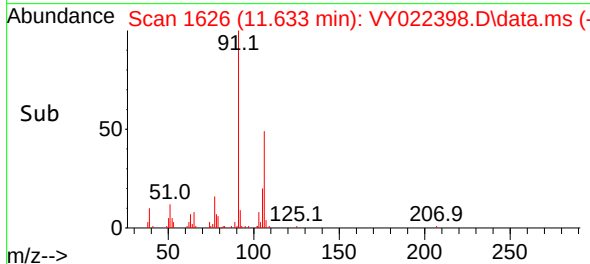
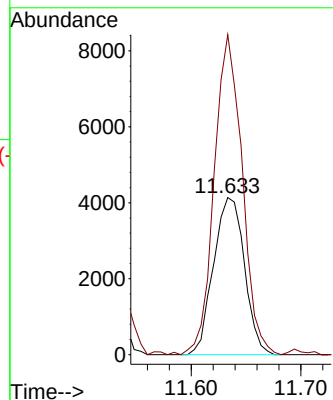
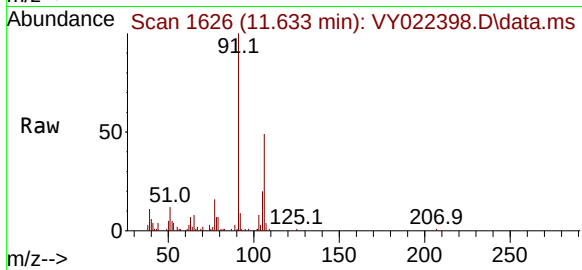
TP-22

Tgt Ion:106 Resp: 8109

Ion Ratio Lower Upper

106 100

91 184.4 163.0 244.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

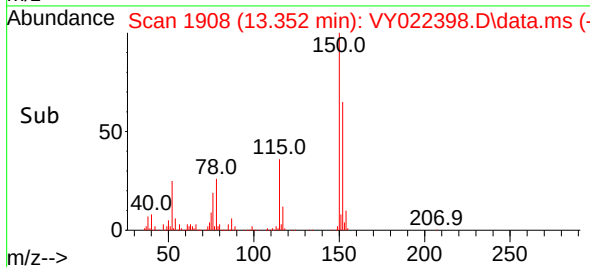
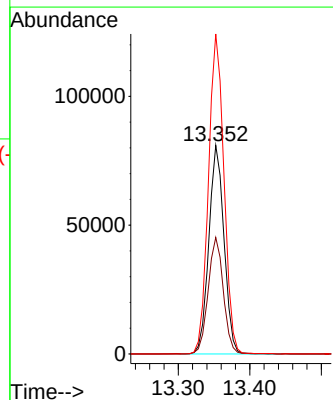
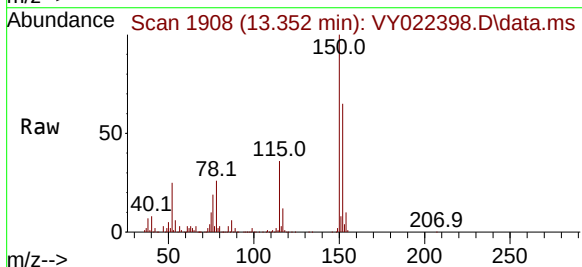
Tgt Ion:152 Resp: 119664

Ion Ratio Lower Upper

152 100

115 55.9 29.4 88.2

150 156.1 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022398.D
Acq On : 22 May 2025 16:06
Operator : SY/MD
Sample : Q2100-02
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022398.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.830	13	18	26	rVB2	45203	64594	4.85%	0.834%
2	2.031	46	51	54	rBV2	8898	13493	1.01%	0.174%
3	2.202	70	79	86	rBV	50966	102059	7.66%	1.318%
4	2.300	90	95	99	rBV	19544	31627	2.37%	0.409%
5	2.519	125	131	133	rBV6	6655	15764	1.18%	0.204%
6	2.842	179	184	195	rVB2	12326	28848	2.17%	0.373%
7	3.190	234	241	253	rVB3	8478	20286	1.52%	0.262%
8	3.885	348	355	362	rBV	8933	24447	1.84%	0.316%
9	4.634	467	478	492	rBV6	10663	45463	3.41%	0.587%
10	7.646	961	972	977	rBV	175350	416458	31.27%	5.379%
11	7.719	977	984	993	rVV	302144	706166	53.02%	9.122%
12	7.799	993	997	1006	rVB4	5919	14307	1.07%	0.185%
13	7.933	1010	1019	1030	rVB4	9428	24384	1.83%	0.315%
14	8.085	1033	1044	1056	rBV3	410459	1048288	78.71%	13.541%
15	8.622	1122	1132	1145	rBV	501286	975828	73.27%	12.605%
16	9.121	1200	1214	1218	rBV6	6214	16467	1.24%	0.213%
17	9.890	1330	1340	1343	rBV7	6667	18867	1.42%	0.244%
18	10.115	1369	1377	1384	rBV	785757	1331761	100.00%	17.202%
19	10.176	1384	1387	1394	rVB	11624	19754	1.48%	0.255%
20	11.420	1583	1591	1602	rBV	665560	1066529	80.08%	13.776%
21	11.523	1602	1608	1613	rBV	11508	18275	1.37%	0.236%
22	11.633	1618	1626	1632	rVV	26572	58854	4.42%	0.760%
23	11.962	1675	1680	1688	rVB	14760	24953	1.87%	0.322%
24	12.414	1747	1754	1763	rBV	465434	712175	53.48%	9.199%
25	12.743	1804	1808	1815	rVB7	7215	13659	1.03%	0.176%
26	13.048	1853	1858	1865	rBV2	9026	15735	1.18%	0.203%
27	13.352	1902	1908	1917	rVB	513259	771921	57.96%	9.971%
28	13.554	1937	1941	1946	rVB	16085	23454	1.76%	0.303%
29	13.822	1979	1985	1990	rBV4	10419	19588	1.47%	0.253%
30	13.889	1990	1996	2003	rVB3	44130	75020	5.63%	0.969%
31	15.151	2197	2203	2209	rVB	13387	22713	1.71%	0.293%

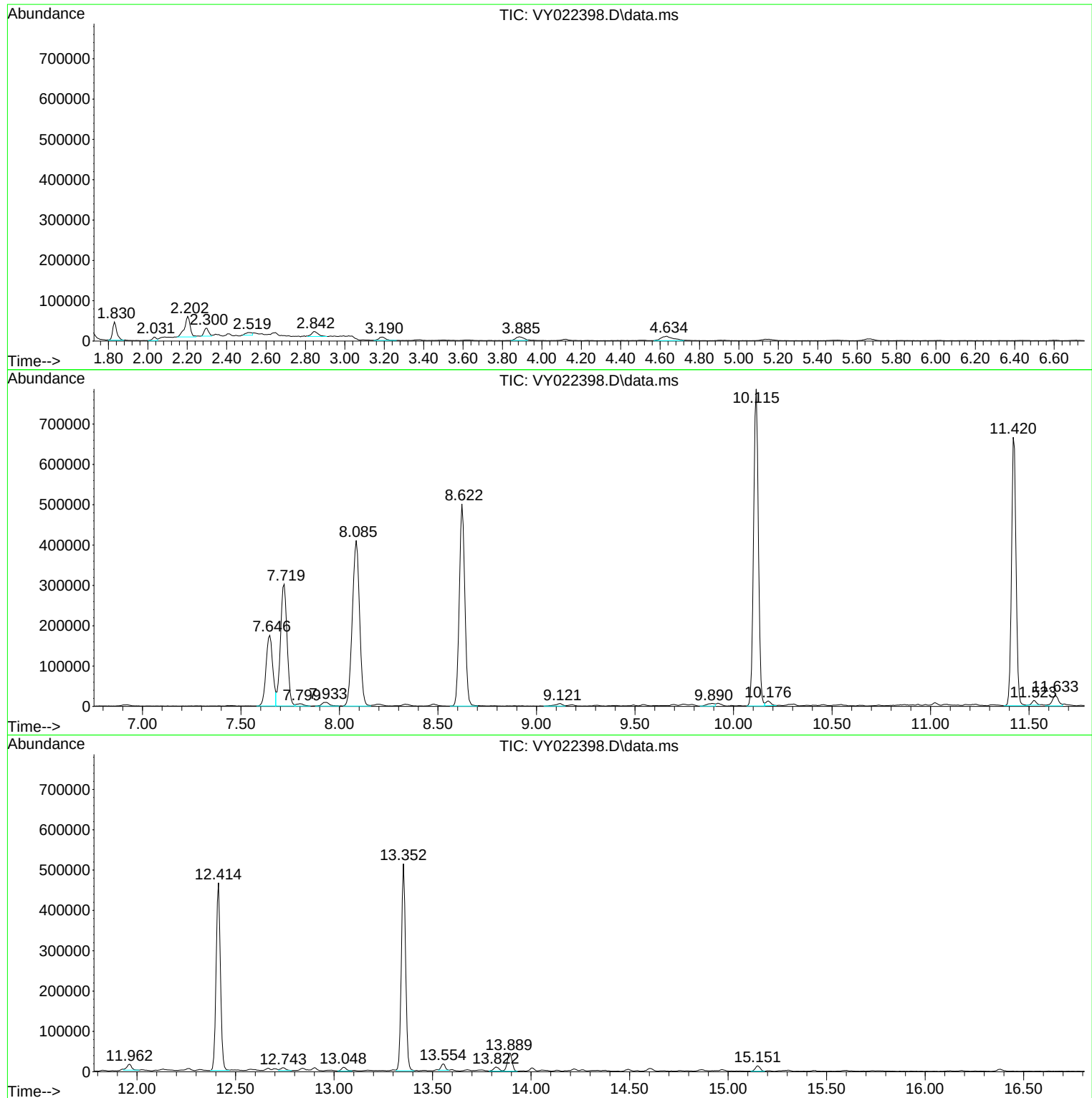
Sum of corrected areas: 7741737

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022398.D
Acq On : 22 May 2025 16:06
Operator : SY/MD
Sample : Q2100-02
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022398.D
Acq On : 22 May 2025 16:06
Operator : SY/MD
Sample : Q2100-02
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

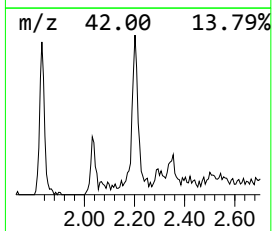
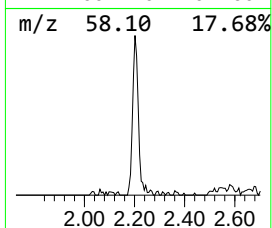
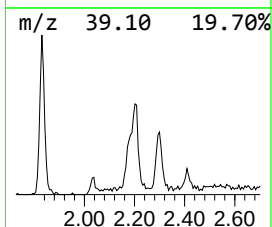
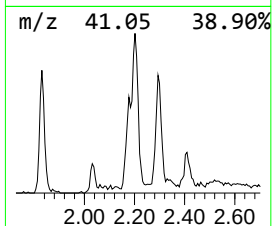
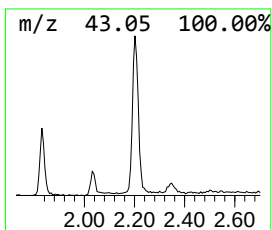
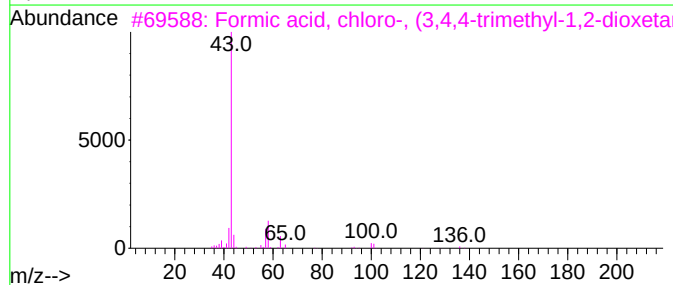
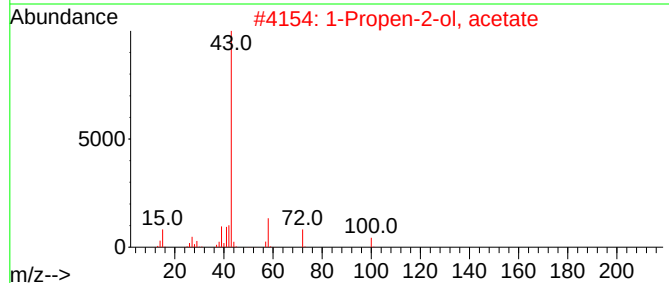
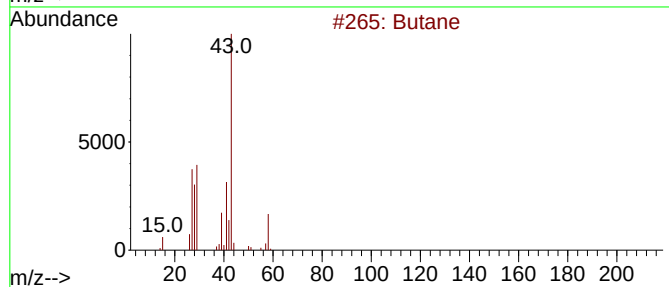
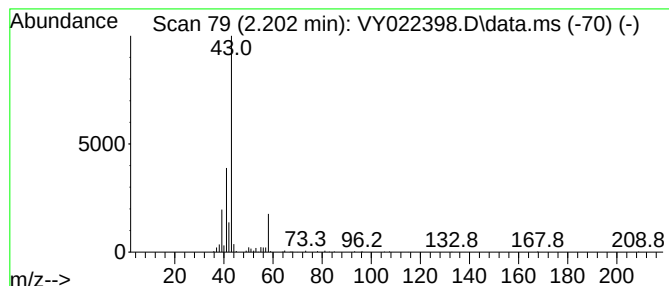
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.202	7.23 ug/l	102059	Pentafluorobenzene	7.719

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane	58	C4H10	000106-97-8	59
2			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	38
3			Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	36
4			Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	17
5			Methyl glyoxal	72	C3H4O2	000078-98-8	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022398.D
Acq On : 22 May 2025 16:06
Operator : SY/MD
Sample : Q2100-02
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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
Butane	2.202	7.2	ug/l	102059	1	7.719	706166	50.0

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-21	SDG No.:	Q2100
Lab Sample ID:	Q2100-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.2
Sample Wt/Vol:	7.01 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
VY022413.D	1		05/23/25 18:01	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.60	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.60	ug/Kg
74-83-9	Bromomethane	0.98	UQ	0.98	4.60	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.60	ug/Kg
67-64-1	Acetone	4.30	UQ	4.30	22.8	ug/Kg
75-15-0	Carbon Disulfide	0.97	U	0.97	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	4.60	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.60	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.60	ug/Kg
78-93-3	2-Butanone	6.00	U	6.00	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.60	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.60	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.60	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.60	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.8	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.60	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-21	SDG No.:	Q2100
Lab Sample ID:	Q2100-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.2
Sample Wt/Vol:	7.01 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
VY022413.D	1		05/23/25 18:01	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.60	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.8	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	4.60	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.60	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.60	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		38 - 136	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	341000	7.713			
540-36-3	1,4-Difluorobenzene	608000	8.616			
3114-55-4	Chlorobenzene-d5	471000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-21	SDG No.:	Q2100
Lab Sample ID:	Q2100-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.2
Sample Wt/Vol:	7.01	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022413.D	1		05/23/25 18:01	VY052325

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\VY052325\
 Data File : VY022413.D
 Acq On : 23 May 2025 18:01
 Operator : SY/MD
 Sample : Q2100-03
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-21

Quant Time: May 23 23:23:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	340717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	471350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165102	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	181573	48.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.520%
35) Dibromofluoromethane	7.640	113	181713	50.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.080%
50) Toluene-d8	10.109	98	712382	47.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.800%
62) 4-Bromofluorobenzene	12.408	95	175882	37.313	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.620%

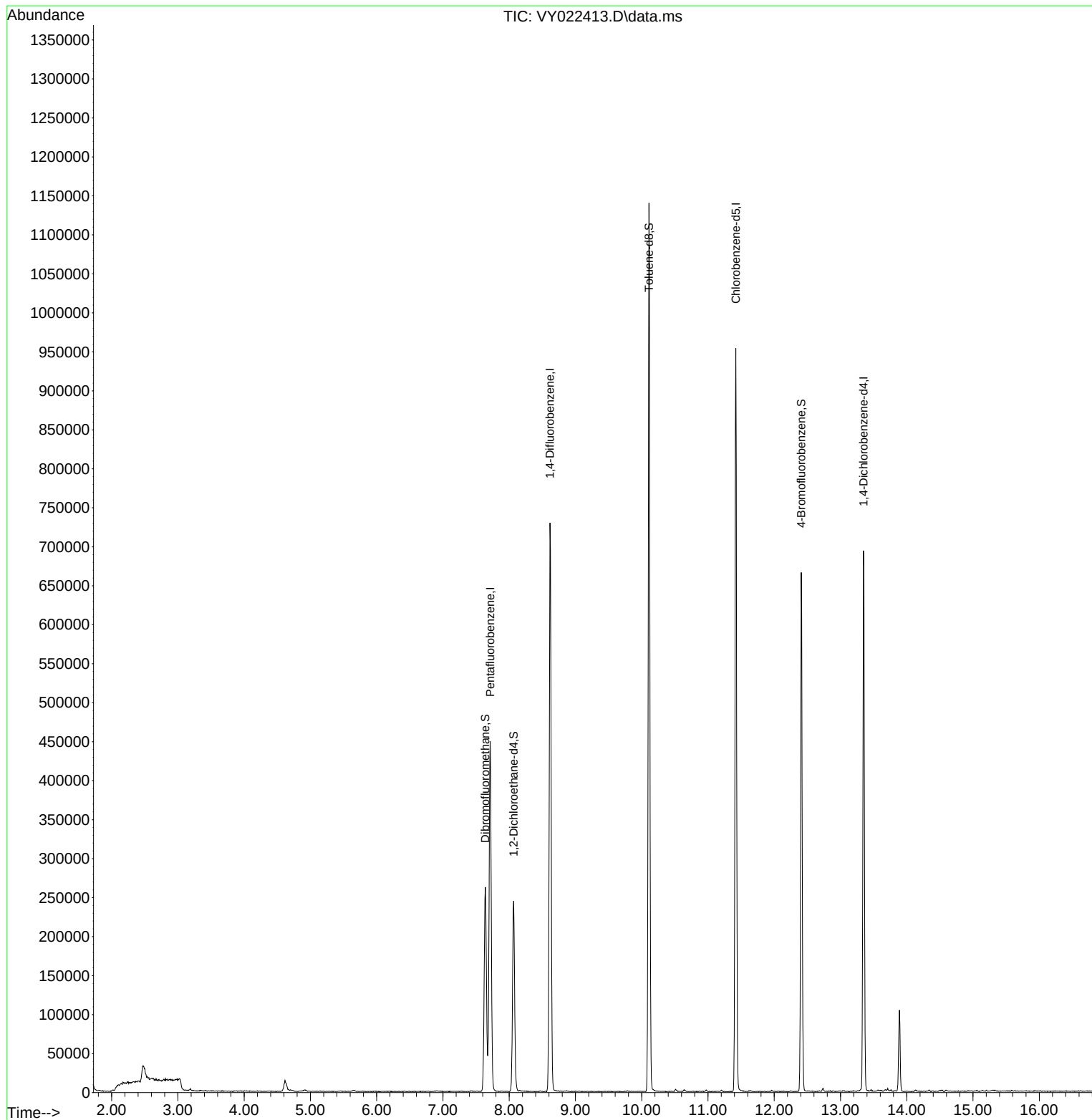
Target Compounds	Qvalue

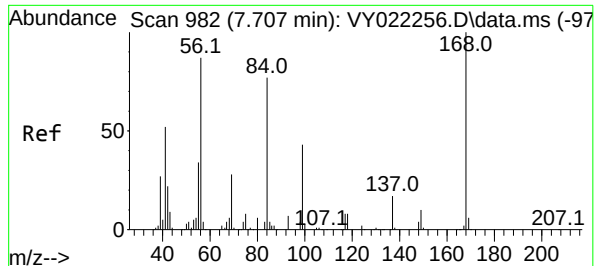
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022413.D
Acq On : 23 May 2025 18:01
Operator : SY/MD
Sample : Q2100-03
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Quant Time: May 23 23:23:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

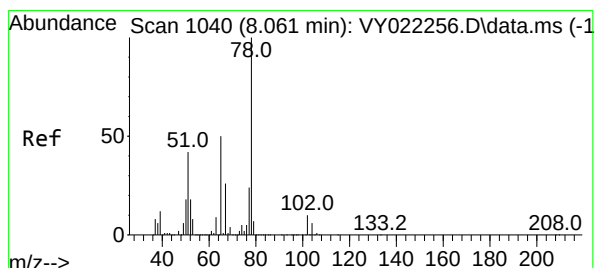
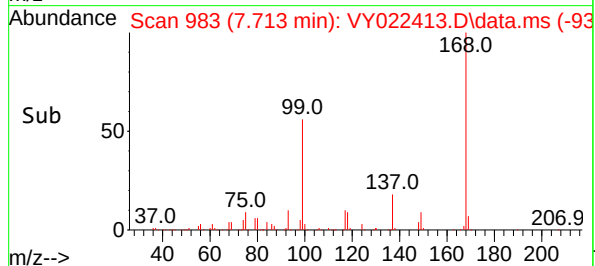
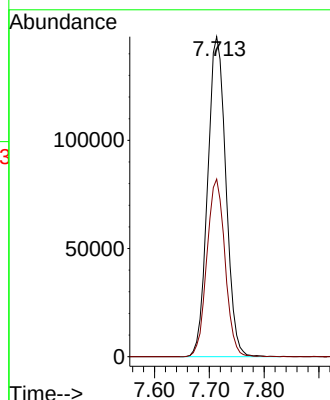
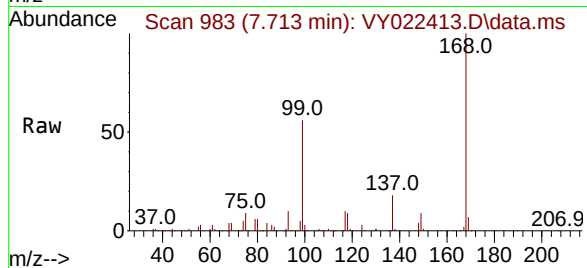




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

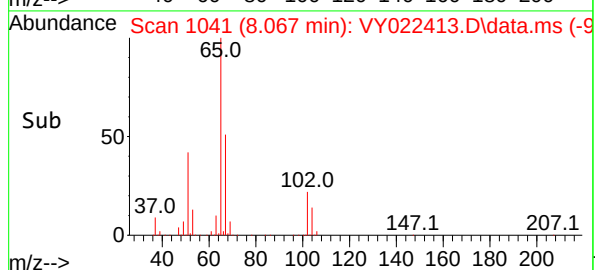
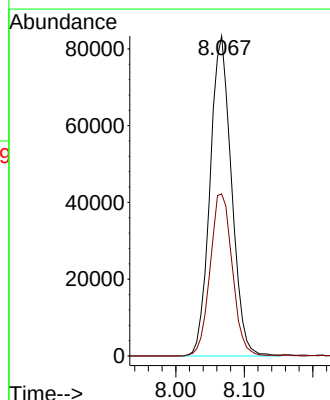
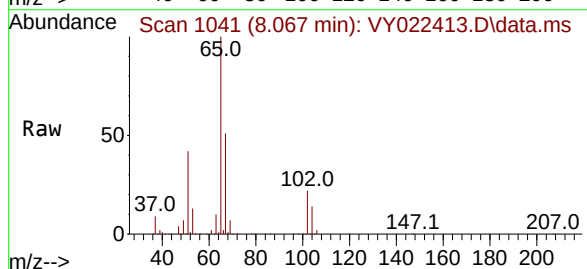
Instrument :
MSVOA_Y
ClientSampleId :
TP-21

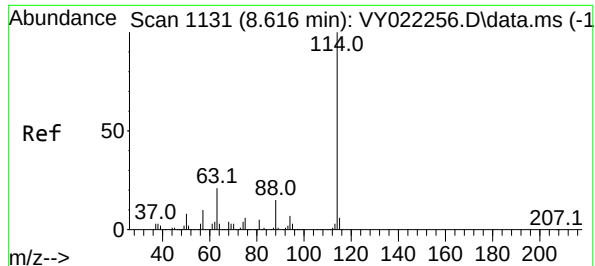
Tgt Ion:168 Resp: 340717
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.761 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Tgt Ion: 65 Resp: 181573
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-21

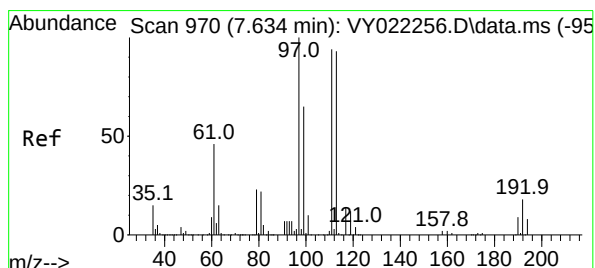
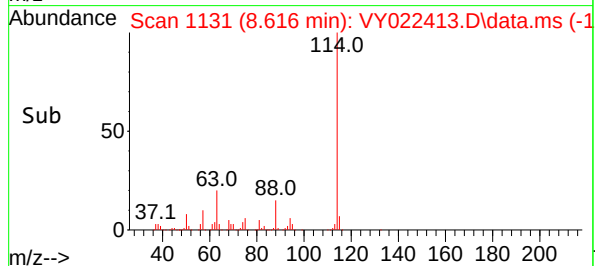
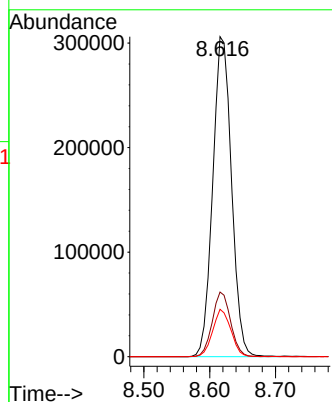
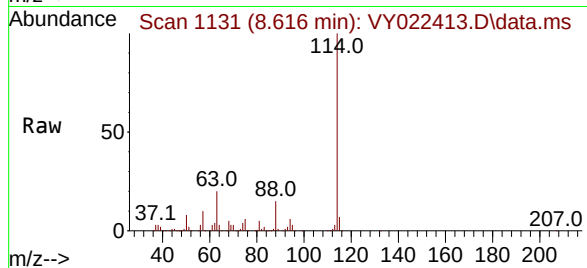
Tgt Ion:114 Resp: 608366

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.044 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

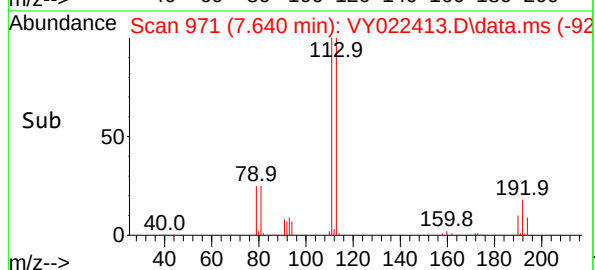
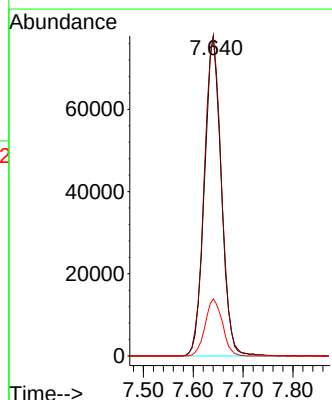
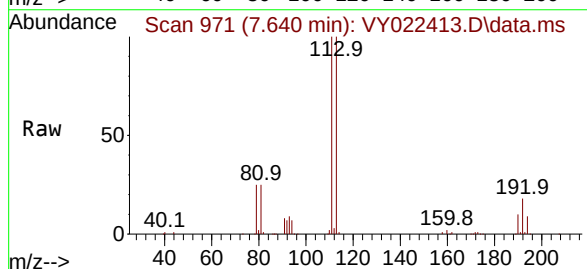
Tgt Ion:113 Resp: 181713

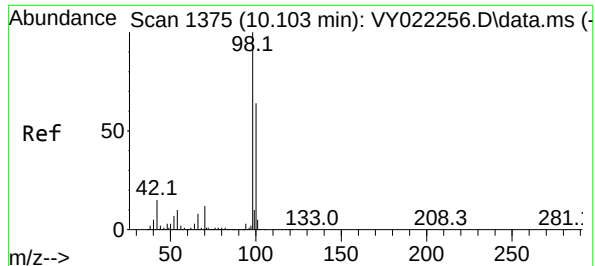
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.4 15.2 22.8





#50

Toluene-d8

Concen: 47.903 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

Instrument :

MSVOA_Y

ClientSampleId :

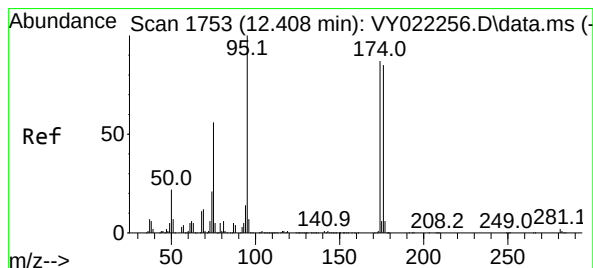
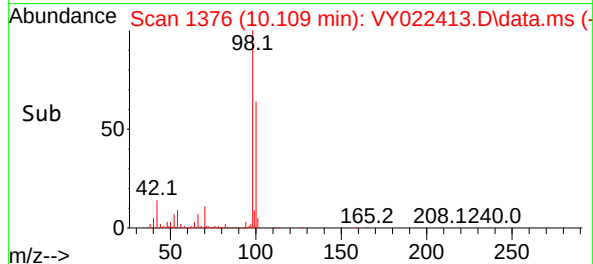
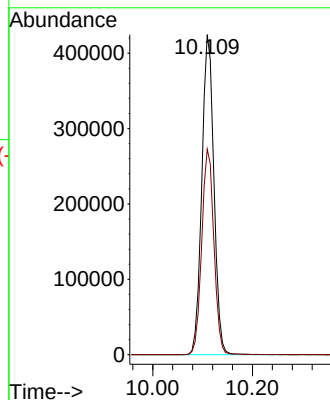
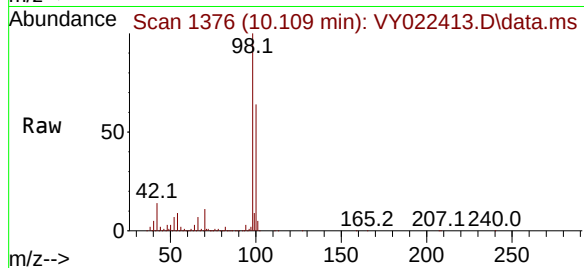
TP-21

Tgt Ion: 98 Resp: 712382

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 37.313 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

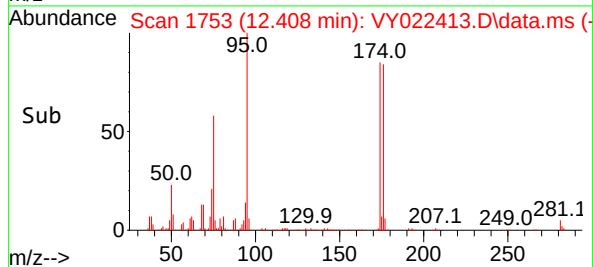
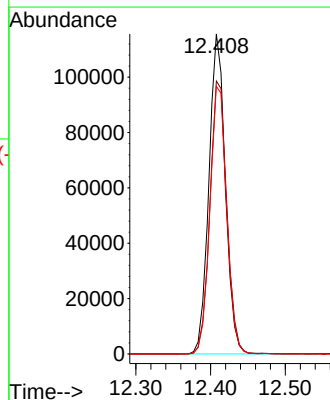
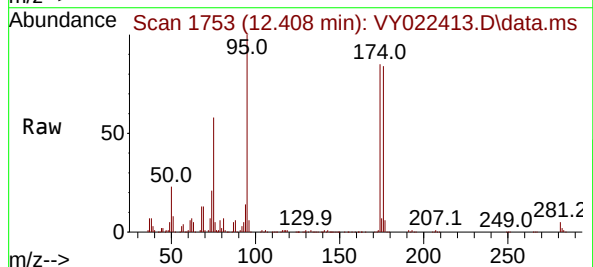
Tgt Ion: 95 Resp: 175882

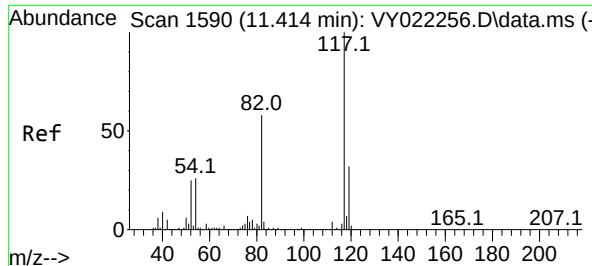
Ion Ratio Lower Upper

95 100

174 87.9 0.0 166.8

176 85.5 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-21

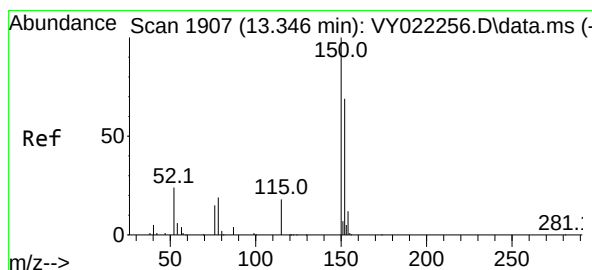
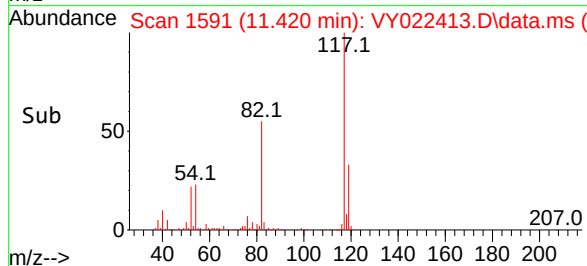
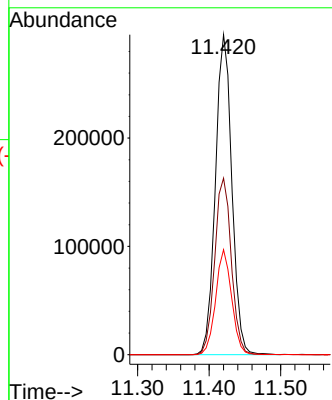
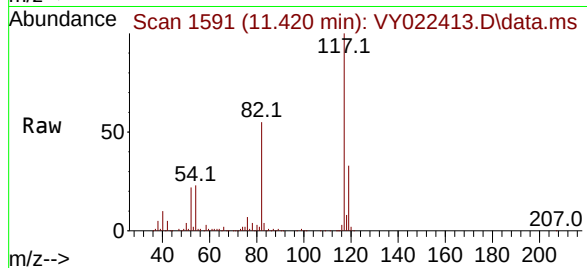
Tgt Ion:117 Resp: 471350

Ion Ratio Lower Upper

117 100

82 55.2 46.6 70.0

119 32.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022413.D

Acq: 23 May 2025 18:01

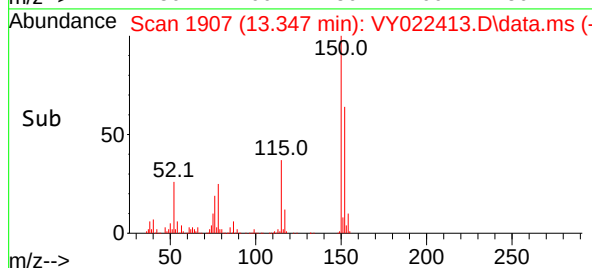
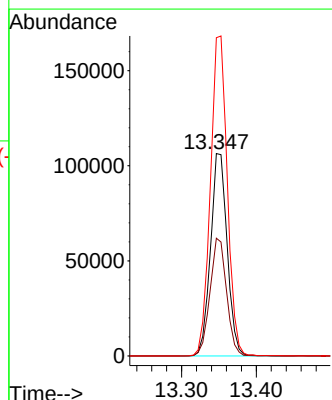
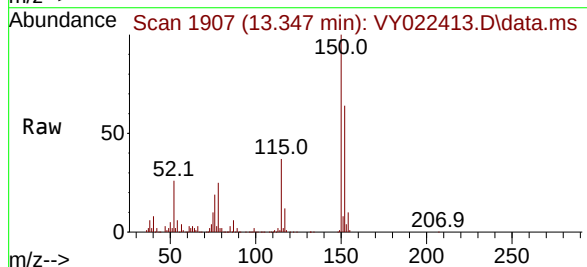
Tgt Ion:152 Resp: 165102

Ion Ratio Lower Upper

152 100

115 57.9 29.4 88.2

150 159.9 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022413.D
Acq On : 23 May 2025 18:01
Operator : SY/MD
Sample : Q2100-03
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.470	116	123	133	rBV3	20939	77245	3.99%	0.811%
2	4.616	467	475	482	rBV2	13592	36005	1.86%	0.378%
3	7.640	960	971	977	rBV	262117	630968	32.62%	6.626%
4	7.713	977	983	997	rVB	448707	1017173	52.58%	10.681%
5	8.067	1030	1041	1053	rBV	244608	542318	28.03%	5.695%
6	8.616	1123	1131	1146	rBV	729451	1428956	73.87%	15.005%
7	10.109	1368	1376	1386	rBV	1139745	1934537	100.00%	20.314%
8	11.420	1581	1591	1604	rBV	953453	1536438	79.42%	16.134%
9	12.408	1745	1753	1767	rBV2	665712	1067727	55.19%	11.212%
10	13.347	1897	1907	1916	rBV	692827	1085760	56.13%	11.402%
11	13.889	1988	1996	2002	rBV	103981	165820	8.57%	1.741%

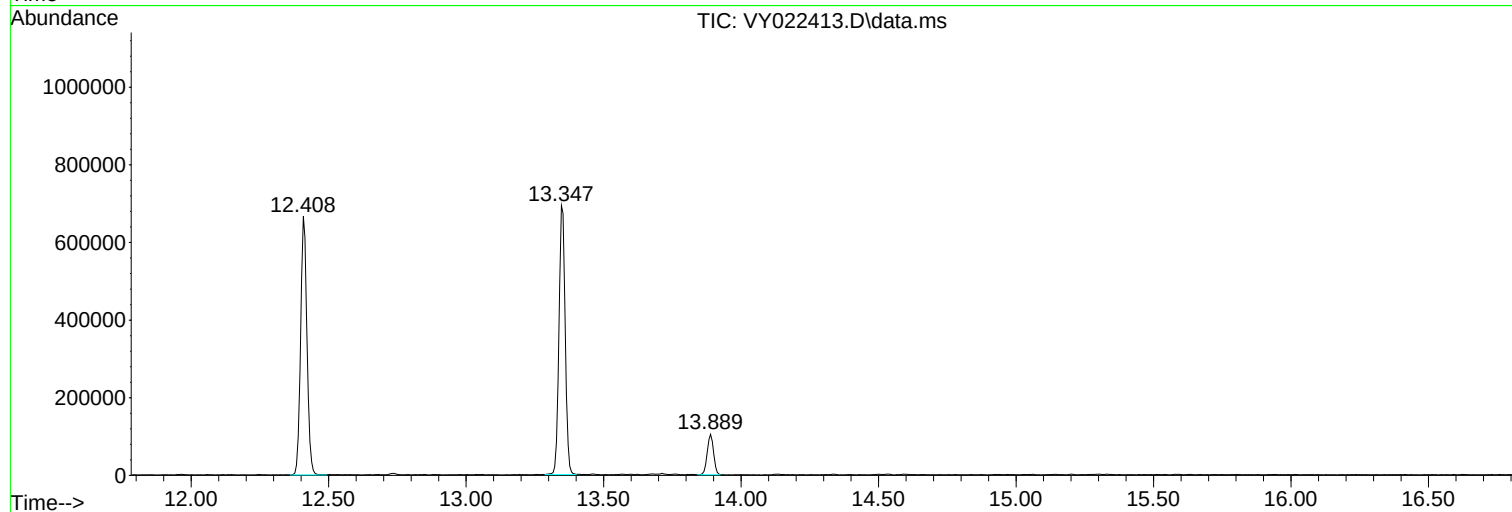
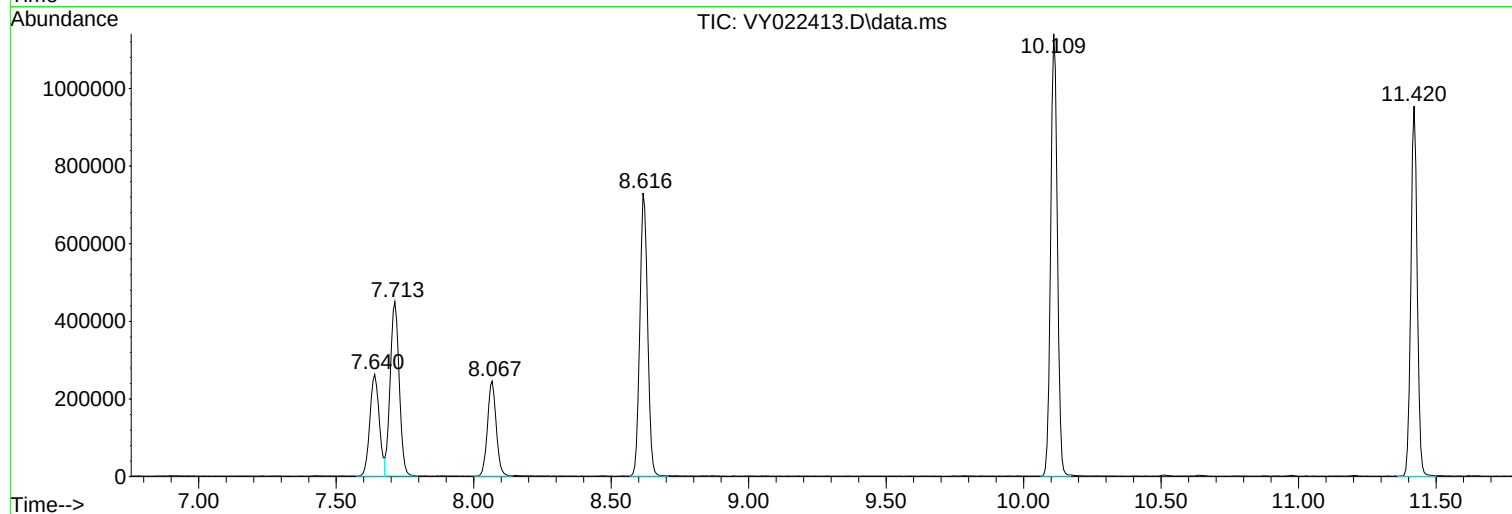
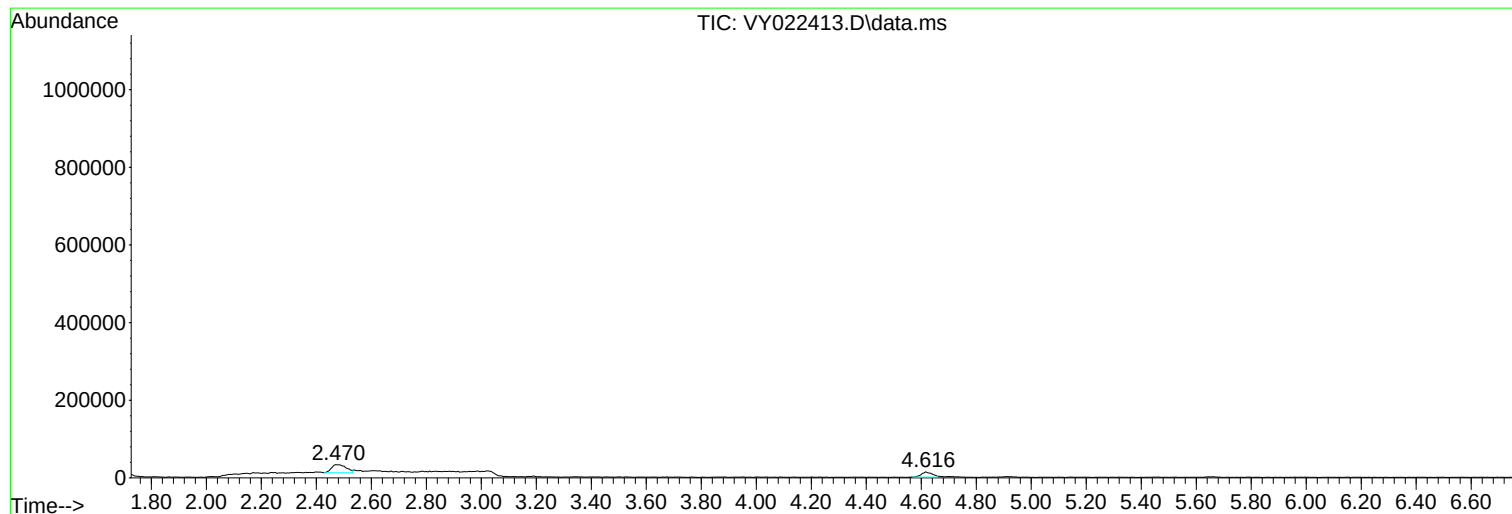
Sum of corrected areas: 9522947

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022413.D
Acq On : 23 May 2025 18:01
Operator : SY/MD
Sample : Q2100-03
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022413.D
Acq On : 23 May 2025 18:01
Operator : SY/MD
Sample : Q2100-03
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY052325\
Data File : VY022413.D
Acq On : 23 May 2025 18:01
Operator : SY/MD
Sample : Q2100-03
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.2
Sample Wt/Vol:	6.98 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
VY022400.D	1		05/22/25 16:53	VY052225

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	UQ	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	UQ	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	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.70	ug/Kg
67-64-1	Acetone	7.90	J	4.50	23.5	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	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	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	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	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	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	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.5	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.2
Sample Wt/Vol:	6.98 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
VY022400.D	1		05/22/25 16:53	VY052225

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	3.50	U	3.50	23.5	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	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	9.40	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	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	50.5		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236000	7.719			
540-36-3	1,4-Difluorobenzene	418000	8.622			
3114-55-4	Chlorobenzene-d5	340000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.353			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.2
Sample Wt/Vol:	6.98	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022400.D	1		05/22/25 16:53	VY052225

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\VY052225\
 Data File : VY022400.D
 Acq On : 22 May 2025 16:53
 Operator : SY/MD
 Sample : Q2100-04
 Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-45

Quant Time: May 23 03:40:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

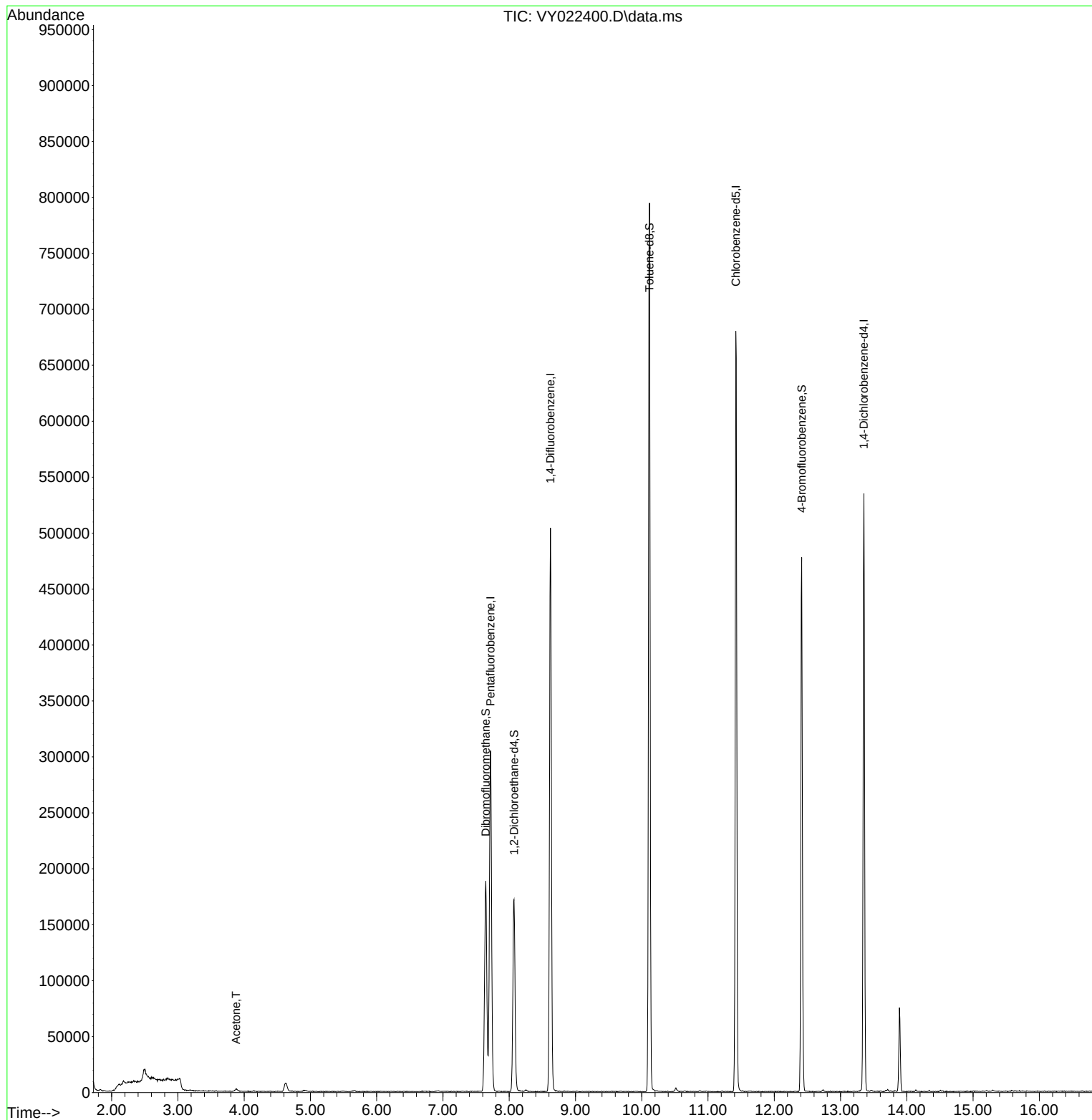
Internal Standards						
1) Pentafluorobenzene	7.719	168	236218	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	418190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	340404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	124499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	130358	50.494	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.980%	
35) Dibromofluoromethane	7.646	113	128569	51.510	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.115	98	498238	48.739	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.414	95	128731	39.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.460%	
Target Compounds						Qvalue
16) Acetone	3.879	43	4065	8.397	ug/l	96

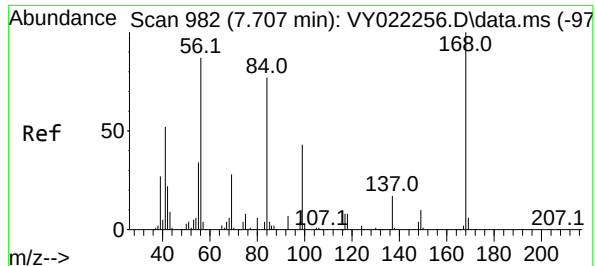
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022400.D
Acq On : 22 May 2025 16:53
Operator : SY/MD
Sample : Q2100-04
Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-45

Quant Time: May 23 03:40:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

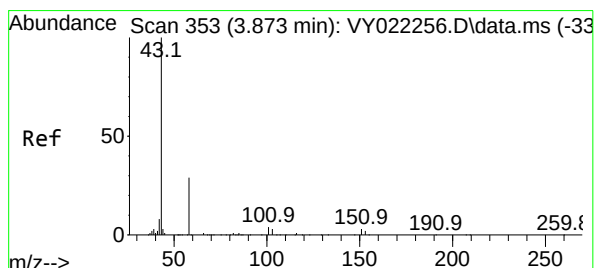
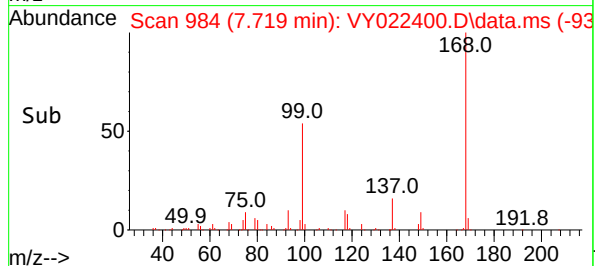
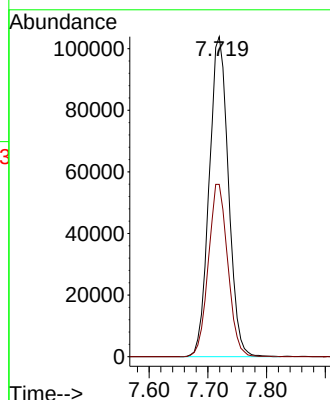
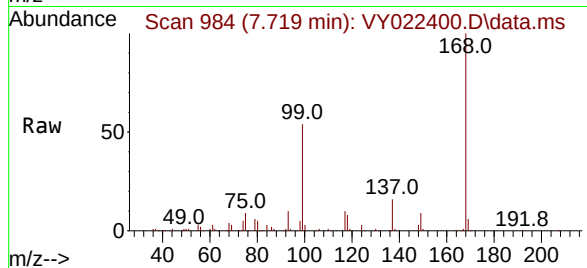




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

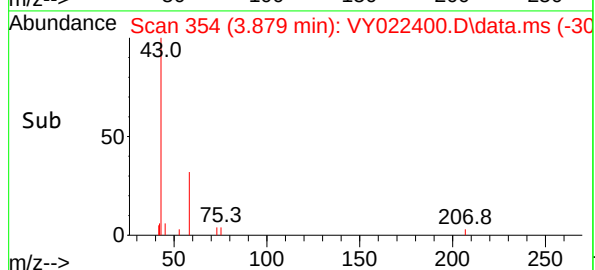
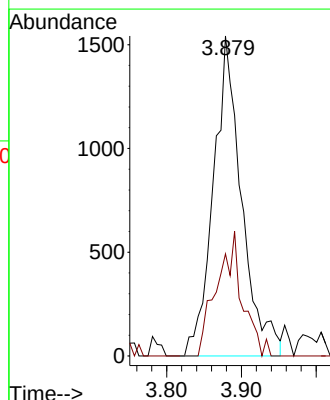
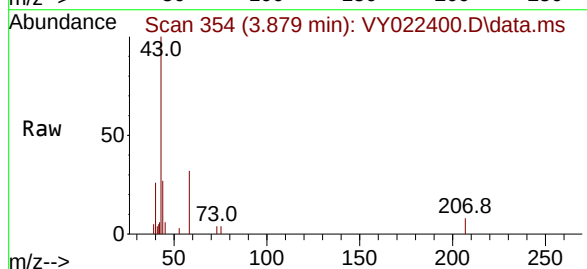
Instrument :
MSVOA_Y
ClientSampleId :
TP-45

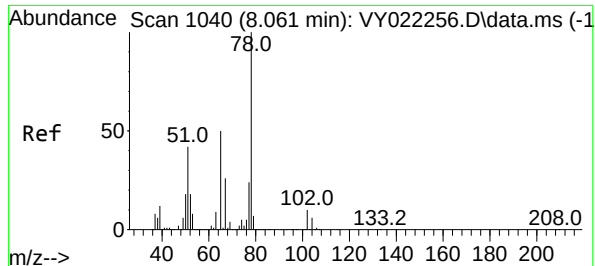
Tgt Ion:168 Resp: 236218
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#16
Acetone
Concen: 8.397 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion: 43 Resp: 4065
Ion Ratio Lower Upper
43 100
58 31.9 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 50.494 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY022400.D

Acq: 22 May 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

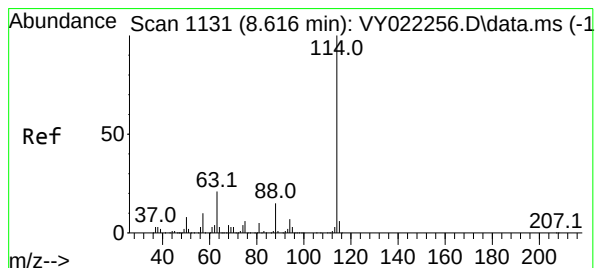
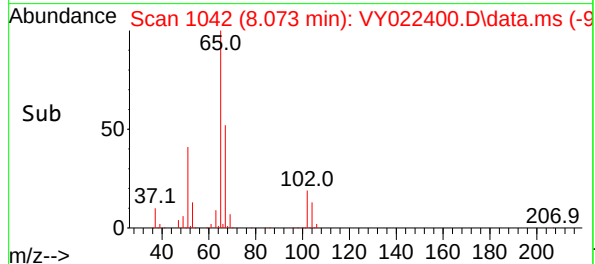
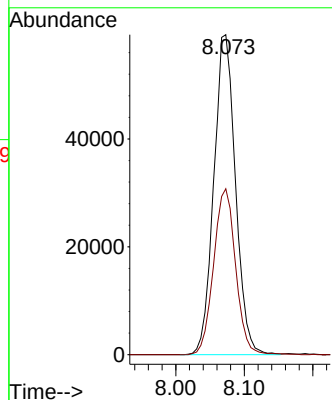
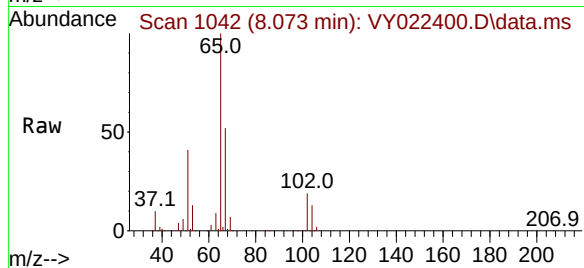
TP-45

Tgt Ion: 65 Resp: 130358

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022400.D

Acq: 22 May 2025 16:53

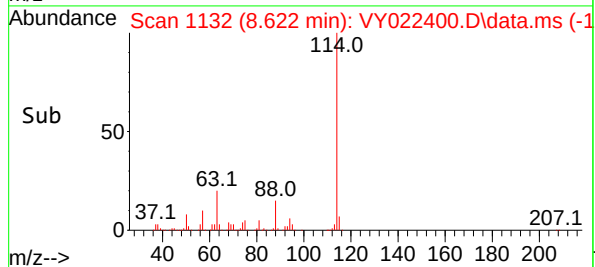
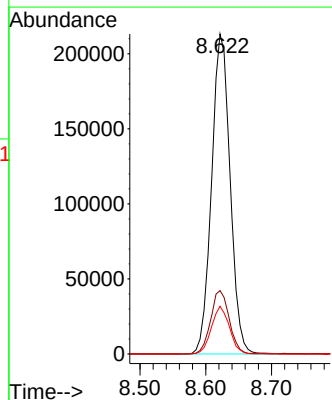
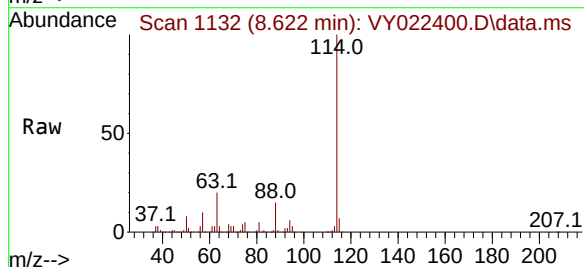
Tgt Ion: 114 Resp: 418190

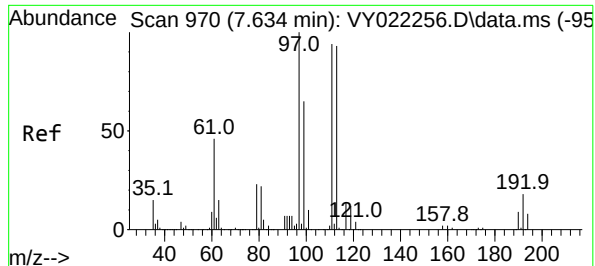
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 14.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.510 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022400.D

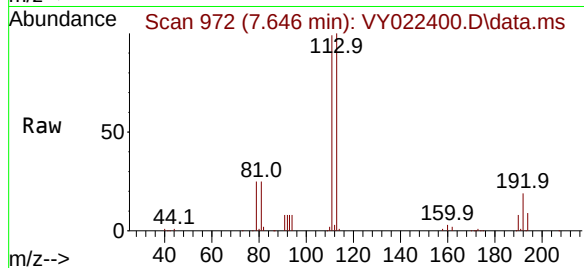
Acq: 22 May 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-45



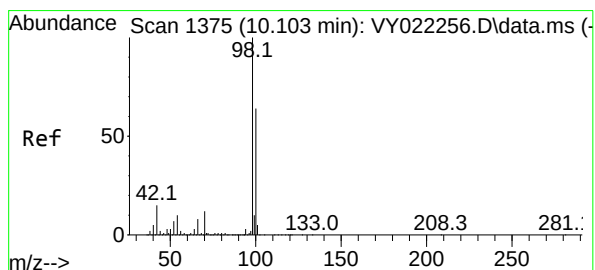
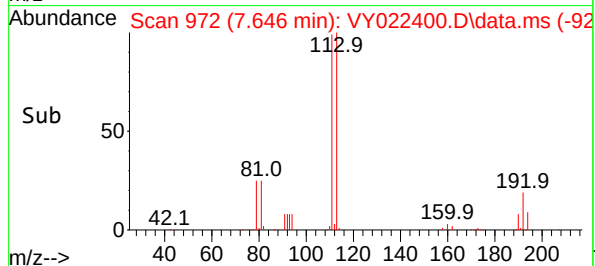
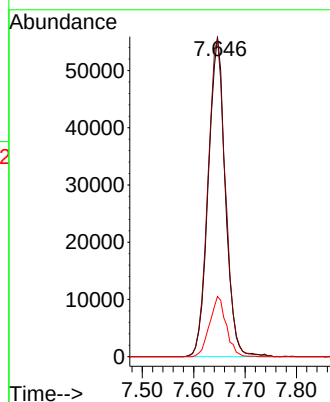
Tgt Ion:113 Resp: 128569

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 18.3 15.2 22.8



#50

Toluene-d8

Concen: 48.739 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022400.D

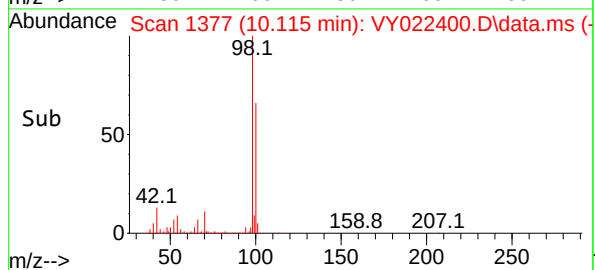
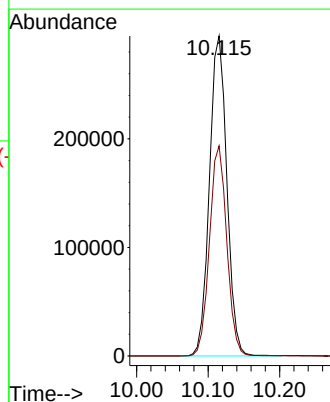
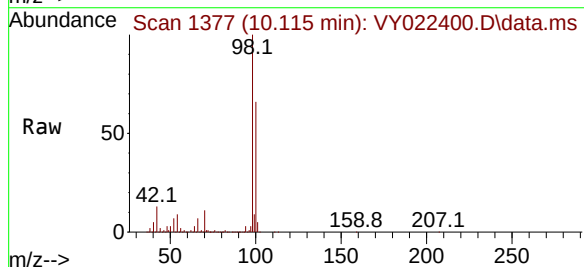
Acq: 22 May 2025 16:53

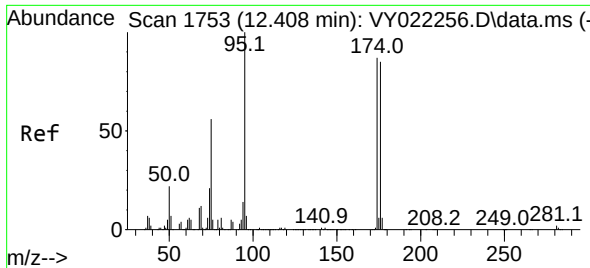
Tgt Ion: 98 Resp: 498238

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8

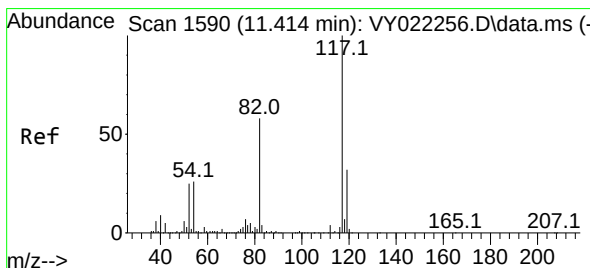
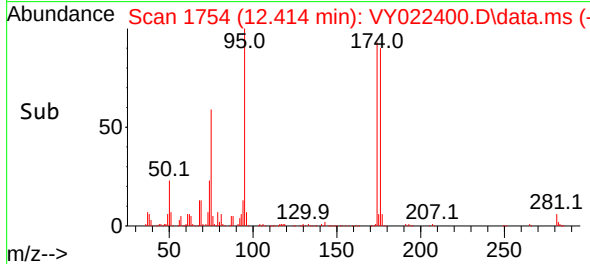
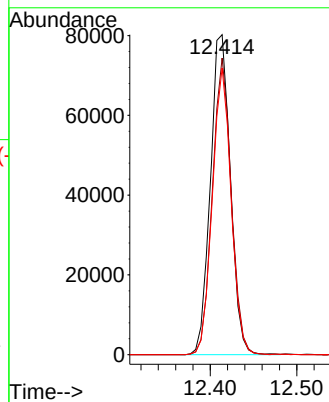
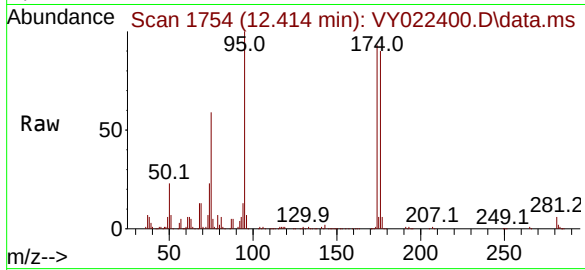




#62
4-Bromofluorobenzene
Concen: 39.729 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

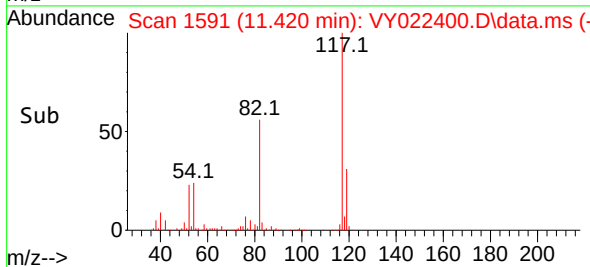
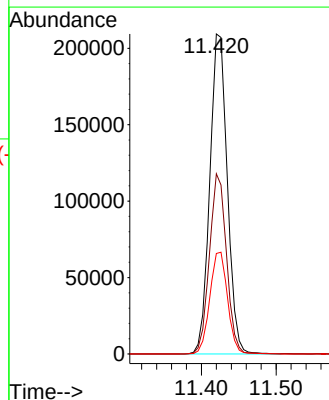
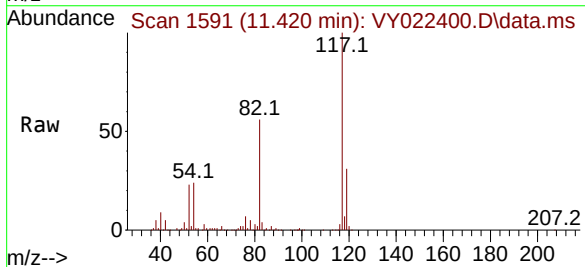
Instrument :
MSVOA_Y
ClientSampleId :
TP-45

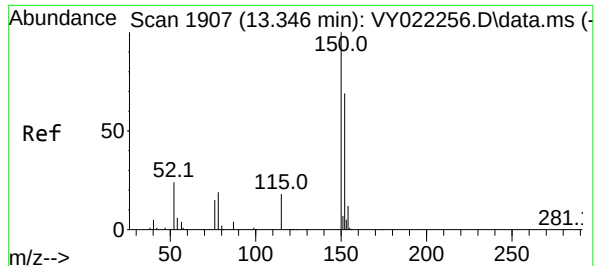
Tgt Ion: 95 Resp: 128731
Ion Ratio Lower Upper
95 100
174 87.7 0.0 166.8
176 84.1 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022400.D
Acq: 22 May 2025 16:53

Tgt Ion: 117 Resp: 340404
Ion Ratio Lower Upper
117 100
82 56.3 46.6 70.0
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022400.D

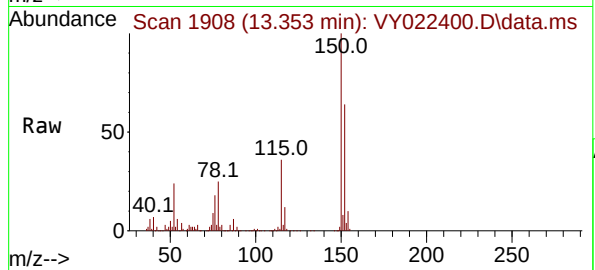
Acq: 22 May 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP-45



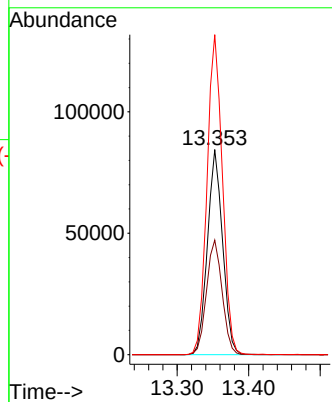
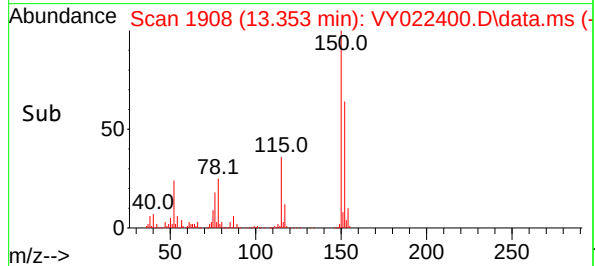
Tgt Ion:152 Resp: 124499

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 158.0 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022400.D
Acq On : 22 May 2025 16:53
Operator : SY/MD
Sample : Q2100-04
Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-45

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022400.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.111	51	64	65	rBV6	5683	16615	1.22%	0.246%
2	2.495	120	127	130	rBV3	9839	24365	1.79%	0.361%
3	4.622	468	476	486	rBV3	7564	24437	1.80%	0.362%
4	7.646	962	972	978	rBV	187957	445636	32.80%	6.607%
5	7.719	978	984	999	rVB	304790	697846	51.36%	10.347%
6	8.073	1032	1042	1055	rBV	171557	388967	28.63%	5.767%
7	8.622	1124	1132	1145	rBV	503560	984552	72.46%	14.597%
8	10.115	1368	1377	1391	rBV	794203	1358669	100.00%	20.144%
9	11.420	1583	1591	1605	rBV	679898	1105063	81.33%	16.384%
10	12.414	1746	1754	1763	rBV2	477466	773069	56.90%	11.462%
11	13.353	1898	1908	1918	rBV	534080	811639	59.74%	12.034%
12	13.889	1989	1996	2002	rBV2	74970	113871	8.38%	1.688%

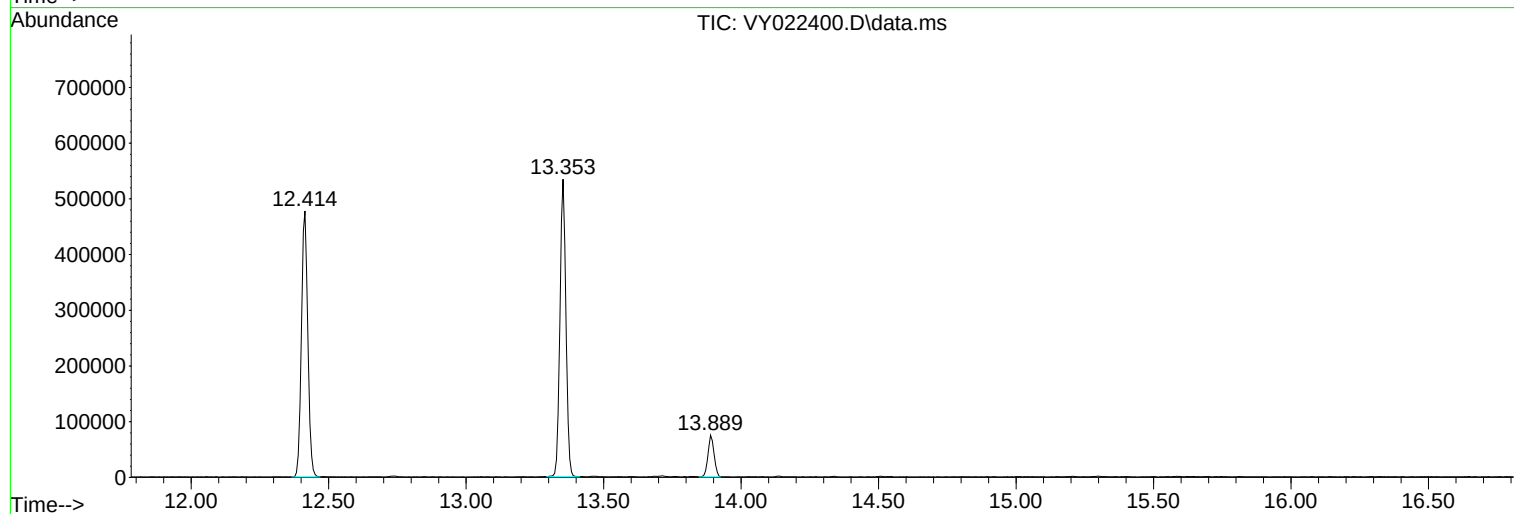
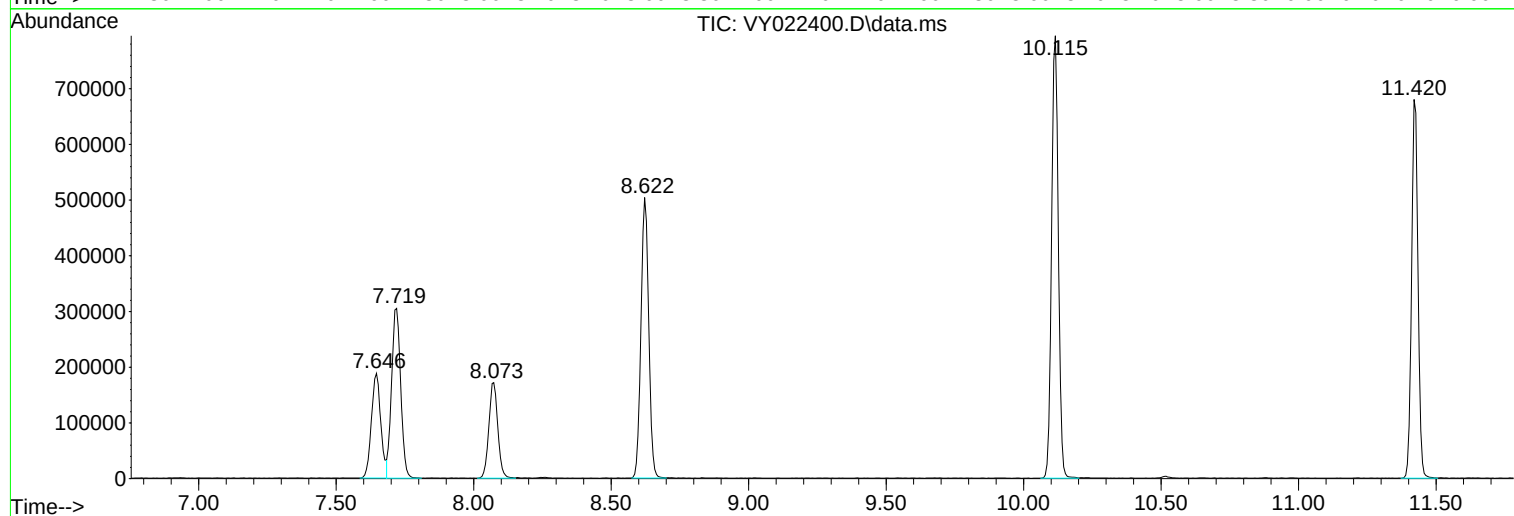
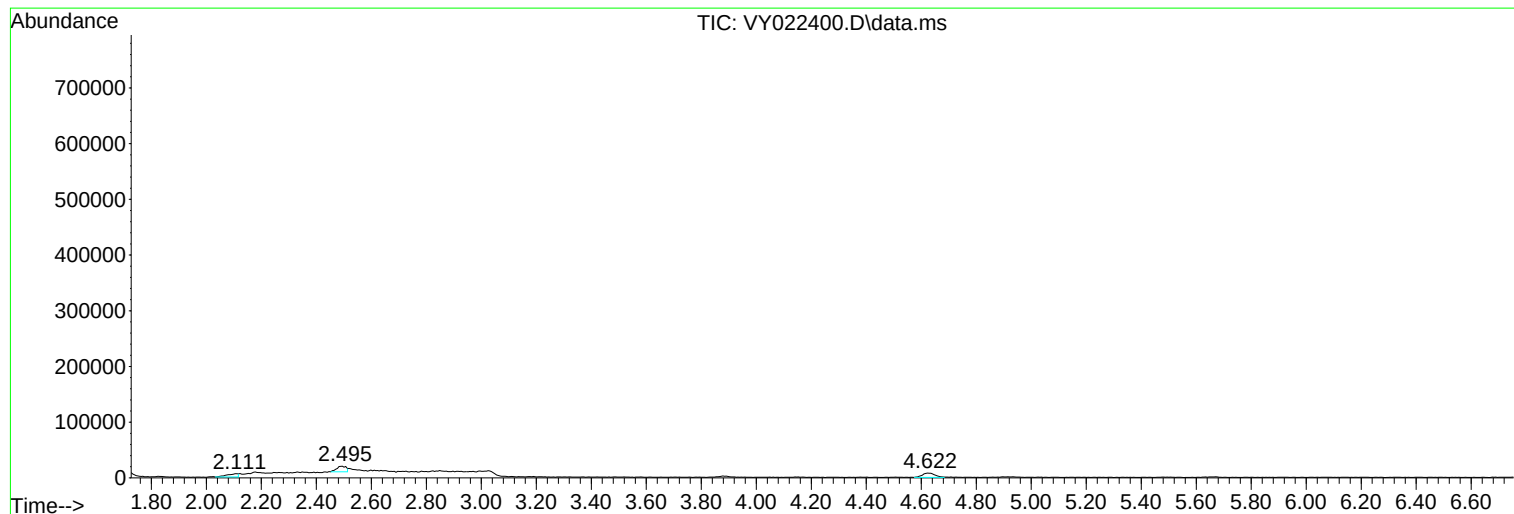
Sum of corrected areas: 6744729

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022400.D
Acq On : 22 May 2025 16:53
Operator : SY/MD
Sample : Q2100-04
Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022400.D
Acq On : 22 May 2025 16:53
Operator : SY/MD
Sample : Q2100-04
Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY052225\
Data File : VY022400.D
Acq On : 22 May 2025 16:53
Operator : SY/MD
Sample : Q2100-04
Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-45

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100
 Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022253.D			RRF010 = VY022254.D		RRF020 = VY022255.D			
	RRF050 = VY022256.D			RRF100 = VY022257.D		RRF150 = VY022258.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.5	
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7	
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9	
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3	
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6	
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6	
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5	
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2	
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6	
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2	
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2	
Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.6	
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3	
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2	
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7	
Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.6	
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6	
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2	
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9	
Bromochloromethane	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.6	
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7	
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4	
Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.3	
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4	
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9	
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5	
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6	
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4	
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4	
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8	

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100
 Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY022253.D		RRF010 = VY022254.D		RRF020 = VY022255.D		
		RRF050 = VY022256.D		RRF100 = VY022257.D		RRF150 = VY022258.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.2
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.7
1,2,4-Trichlorobenzene	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.2
1,2,3-Trichlorobenzene	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.6
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y051525S.M
 Title : SW846 8260
 Last Update : Fri May 16 01:42:09 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022253.D 10 =VY022254.D 20 =VY022255.D 50 =VY022256.D 100 =VY022257.D 150 =VY022258.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.51
3) P	Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.72
4) C	Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.91#
5) T	Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.33
6) T	Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.56
7) T	Trichlorofluor...	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.64
8) T	Diethyl Ether	0.305	0.320	0.283	0.294	0.295	0.291	0.298	4.33
9) T	1,1,2-Trichlor...	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.50
10) T	Methyl Iodide	0.559	0.586	0.620	0.687	0.651	0.638	0.624	7.35
11) T	Tert butyl alc...	0.045	0.045	0.037	0.039	0.042	0.042	0.042	7.70
12) CM	1,1-Dichloroet...	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.17#
13) T	Acrolein	0.068	0.068	0.057	0.056	0.058	0.058	0.061	8.63
14) T	Allyl chloride	0.888	0.967	0.949	0.959	0.932	0.931	0.938	3.00
15) T	Acrylonitrile	0.123	0.126	0.115	0.120	0.127	0.126	0.123	3.79
16) T	Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.64
17) T	Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.20
18) T	Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.55
19) T	Methyl tert-bu...	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.22
20) T	Methylene Chlo...	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.28
21) T	trans-1,2-Dich...	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.22
22) T	Diisopropyl ether	1.947	2.009	1.937	1.986	2.003	2.001	1.980	1.57
23) T	Vinyl Acetate	1.214	1.225	1.134	1.174	1.214	1.218	1.196	2.99
24) P	1,1-Dichloroet...	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.73
25) T	2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.60
26) T	2,2-Dichloropr...	0.994	1.024	0.971	0.987	0.961	0.968	0.984	2.33
27) T	cis-1,2-Dichlo...	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.91
28) T	Bromochloromet...	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.62
29) T	Tetrahydrofuran	0.105	0.116	0.102	0.107	0.116	0.116	0.110	5.98
30) C	Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.66#
31) T	Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.63
32) T	1,1,1-Trichlor...	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.43
33) S	1,2-Dichloroet...	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.24
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.17
36) T	1,1-Dichloropr...	0.474	0.502	0.488	0.505	0.484	0.496	0.492	2.39
37) T	Ethyl Acetate	0.253	0.231	0.219	0.234	0.240	0.241	0.237	4.87
38) T	Carbon Tetrach...	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.18
39) T	Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.30
40) TM	Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.37
41) T	Methacrylonitrile	0.153	0.182	0.148	0.158	0.148	0.152	0.157	8.18
42) TM	1,2-Dichloroet...	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.86
43) T	Isopropyl Acetate	0.510	0.527	0.480	0.514	0.534	0.530	0.516	3.83
44) TM	Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.48
45) C	1,2-Dichloropr...	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.58#
46) T	Dibromomethane	0.189	0.192	0.180	0.189	0.193	0.194	0.189	2.59
47) T	Bromodichlorom...	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.42
48) T	Methyl methacr...	0.228	0.238	0.224	0.240	0.259	0.259	0.241	6.19
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.33
50) S	Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.26
51) T	4-Methyl-2-Pen...	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.43
52) CM	Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.82#
53) T	t-1,3-Dichloro...	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.71
54) T	cis-1,3-Dichlo...	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.22
55) T	1,1,2-Trichlor...	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.42
56) T	Ethyl methacry...	0.370	0.362	0.354	0.381	0.398	0.403	0.378	5.26

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y051525S.M

57)	T	1,3-Dichloropr...	0.418	0.436	0.413	0.438	0.442	0.440	0.431	2.80
58)	T	2-Chloroethyl ...	0.141	0.150	0.144	0.183	0.197	0.203	0.170	16.60
59)	T	2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.38
60)	T	Dibromochlorom...	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.88
61)	T	1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.22
62)	S	4-Bromofluorob...	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.25
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.37
65)	PM	Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.87
66)	T	1,1,1,2-Tetrac...	0.373	0.377	0.372	0.394	0.399	0.411	0.388	4.14
67)	C	Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.13#
68)	T	m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.16
69)	T	o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.93
70)	T	Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.28
71)	P	Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.53
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.60
74)	T	N-amyl acetate	1.195	1.173	1.114	1.159	1.235	1.232	1.185	3.91
75)	P	1,1,2,2-Tetrac...	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.77
76)	T	1,2,3-Trichlor...	0.522	0.467	0.516	0.501	0.521	0.514	0.507	4.12
77)	T	Bromobenzene	0.887	0.885	0.848	0.895	0.889	0.904	0.885	2.17
78)	T	n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.93
79)	T	2-Chlorotoluene	2.715	2.786	2.694	2.804	2.704	2.772	2.746	1.71
80)	T	1,3,5-Trimethy...	3.393	3.386	3.275	3.410	3.251	3.349	3.344	1.98
81)	T	trans-1,4-Dich...	0.269	0.260	0.241	0.237	0.246	0.248	0.250	4.80
82)	T	4-Chlorotoluene	2.801	2.829	2.744	2.907	2.797	2.867	2.824	2.02
83)	T	tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.29
84)	T	1,2,4-Trimethy...	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.07
85)	T	sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.24
86)	T	p-Isopropyltol...	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.72
87)	T	1,3-Dichlorobe...	1.757	1.774	1.715	1.838	1.839	1.914	1.806	3.96
88)	T	1,4-Dichlorobe...	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.39
89)	T	n-Butylbenzene	3.419	3.500	3.490	3.668	3.452	3.533	3.510	2.47
90)	T	Hexachloroethane	0.773	0.759	0.736	0.761	0.726	0.740	0.749	2.36
91)	T	1,2-Dichlorobe...	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.27
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.68
93)	T	1,2,4-Trichlor...	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.23
94)	T	Hexachlorobuta...	0.511	0.485	0.496	0.502	0.474	0.464	0.489	3.56
95)	T	Naphthalene	1.704	1.579	1.527	1.653	1.778	1.737	1.663	5.78
96)	T	1,2,3-Trichlor...	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.64

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022253.D
 Acq On : 15 May 2025 09:46
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	276170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	174003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15118	5.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.020%#		
35) Dibromofluoromethane	7.634	113	13854	4.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.860%#		
50) Toluene-d8	10.109	98	57575	5.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.020%#		
62) 4-Bromofluorobenzene	12.408	95	18328	5.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.060%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	15071	5.230	ug/l	96
3) Chloromethane	2.068	50	33477	5.523	ug/l	100
4) Vinyl Chloride	2.208	62	34943	5.159	ug/l	96
5) Bromomethane	2.598	94	30561	5.543	ug/l	99
6) Chloroethane	2.739	64	20741	4.923	ug/l	97
7) Trichlorofluoromethane	3.056	101	34641	5.052	ug/l	98
8) Diethyl Ether	3.458	74	8435	5.126	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	15124	5.081	ug/l	95
10) Methyl Iodide	4.013	142	15449	4.484	ug/l	99
11) Tert butyl alcohol	4.879	59	6159	26.722	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	15064	5.099	ug/l	93
13) Acrolein	3.653	56	9366	27.796	ug/l	94
14) Allyl chloride	4.385	41	24537	4.737	ug/l	94
15) Acrylonitrile	5.061	53	17036	25.125	ug/l	100
16) Acetone	3.879	43	17340	30.639	ug/l	91
17) Carbon Disulfide	4.110	76	48817	5.068	ug/l	99
18) Methyl Acetate	4.391	43	9639m	5.597	ug/l	
19) Methyl tert-butyl Ether	5.128	73	40392	4.959	ug/l	97
20) Methylene Chloride	4.610	84	22002	6.016	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	15943	4.889	ug/l	85
22) Diisopropyl ether	6.025	45	53760	4.915	ug/l	97
23) Vinyl Acetate	5.964	43	167594	25.361	ug/l	96
24) 1,1-Dichloroethane	5.921	63	30712	5.026	ug/l	97
25) 2-Butanone	6.903	43	24805	26.203	ug/l	91
26) 2,2-Dichloropropane	6.884	77	27440	5.048	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	18276	4.857	ug/l	98
28) Bromochloromethane	7.250	49	12774	4.901	ug/l	98
29) Tetrahydrofuran	7.268	42	14502	23.811	ug/l	93
30) Chloroform	7.421	83	28505	4.863	ug/l	94
31) Cyclohexane	7.701	56	35904	5.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	27801	5.170	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22314	4.824	ug/l	97
37) Ethyl Acetate	6.994	43	11910	5.352	ug/l	96
38) Carbon Tetrachloride	7.823	117	22826	4.768	ug/l	98
39) Methylcyclohexane	9.109	83	31218	5.024	ug/l	98
40) Benzene	8.085	78	64430	4.699	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022253.D
 Acq On : 15 May 2025 09:46
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	7201m	4.422	ug/l	
42) 1,2-Dichloroethane	8.158	62	17934	4.837	ug/l	97
43) Isopropyl Acetate	8.201	43	23979	4.941	ug/l	99
44) Trichloroethene	8.872	130	16852	4.943	ug/l	95
45) 1,2-Dichloropropane	9.146	63	15855	4.796	ug/l	95
46) Dibromomethane	9.238	93	8879	4.980	ug/l	92
47) Bromodichloromethane	9.427	83	21906	4.736	ug/l #	95
48) Methyl methacrylate	9.225	41	10729	4.727	ug/l	98
49) 1,4-Dioxane	9.244	88	1962	97.404	ug/l #	78
51) 4-Methyl-2-Pentanone	10.000	43	55880	23.464	ug/l	97
52) Toluene	10.170	92	41001	4.722	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	21842	4.839	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	24609	4.758	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	11333	4.964	ug/l #	89
56) Ethyl methacrylate	10.438	69	17420	4.898	ug/l	98
57) 1,3-Dichloropropane	10.725	76	19684	4.852	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	33215	20.807	ug/l	100
59) 2-Hexanone	10.762	43	39307	24.617	ug/l	100
60) Dibromochloromethane	10.914	129	13908	4.693	ug/l	98
61) 1,2-Dibromoethane	11.018	107	10391	4.883	ug/l	94
64) Tetrachloroethene	10.652	164	18255	5.125	ug/l	96
65) Chlorobenzene	11.444	112	42844	4.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	14385	4.812	ug/l	99
67) Ethyl Benzene	11.524	91	77606	4.766	ug/l	99
68) m/p-Xylenes	11.633	106	57721	9.407	ug/l	99
69) o-Xylene	11.957	106	27130	4.673	ug/l	99
70) Styrene	11.975	104	45556	4.652	ug/l	99
71) Bromoform	12.133	173	7799	4.834	ug/l #	94
73) Isopropylbenzene	12.255	105	72325	5.017	ug/l	98
74) N-amyl acetate	12.072	43	20793	5.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	11422	5.152	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	9076m	2.960	ug/l	
77) Bromobenzene	12.536	156	15441	5.015	ug/l	97
78) n-propylbenzene	12.597	91	87533	5.034	ug/l	98
79) 2-Chlorotoluene	12.682	91	47245	4.944	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	59031	5.073	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	4676	5.373	ug/l	97
82) 4-Chlorotoluene	12.780	91	48737	4.959	ug/l	98
83) tert-Butylbenzene	12.999	119	52841	5.109	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	55488	4.804	ug/l	97
85) sec-Butylbenzene	13.176	105	76384	4.975	ug/l	97
86) p-Isopropyltoluene	13.292	119	62608	4.849	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	30564	4.863	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	30610	5.063	ug/l	96
89) n-Butylbenzene	13.621	91	59485	4.869	ug/l	99
90) Hexachloroethane	13.883	117	13445	5.158	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	26556	5.030	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1865	5.217	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	14961	4.906	ug/l	94
94) Hexachlorobutadiene	15.029	225	8887	5.226	ug/l	99
95) Naphthalene	15.151	128	29654	5.124	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	13097	5.063	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

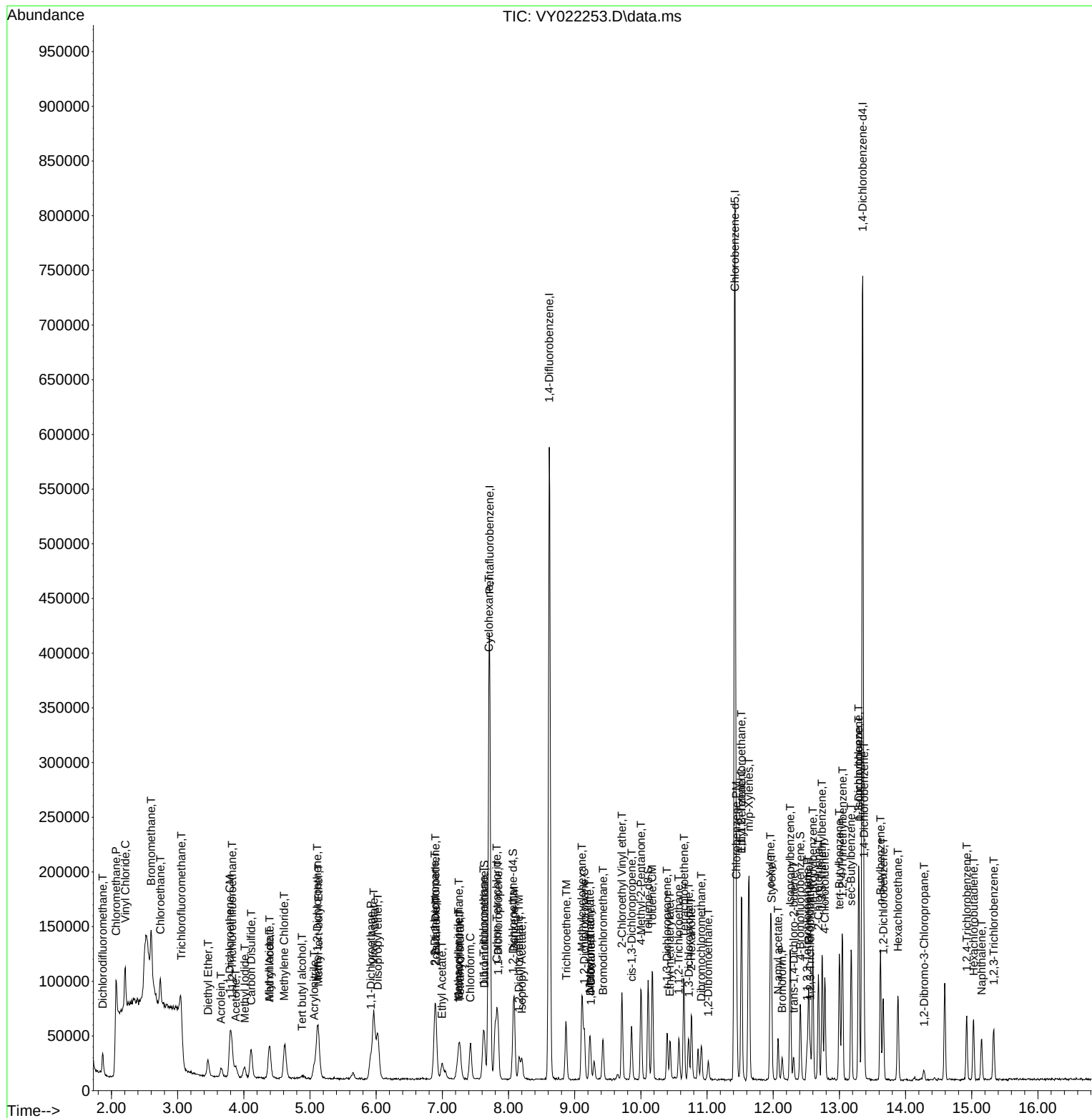
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

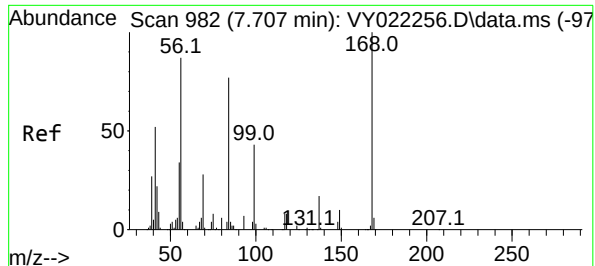
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

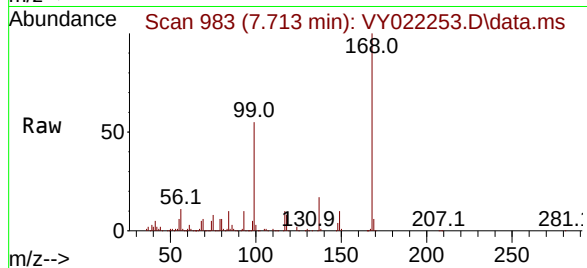
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

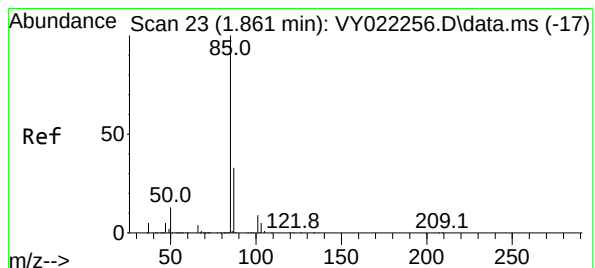
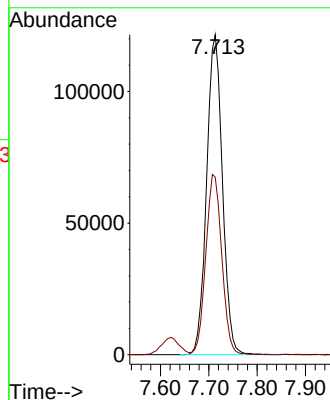
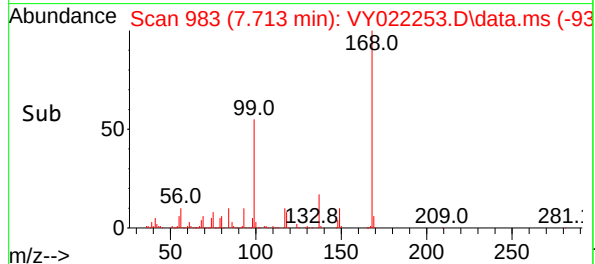
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 276170
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4

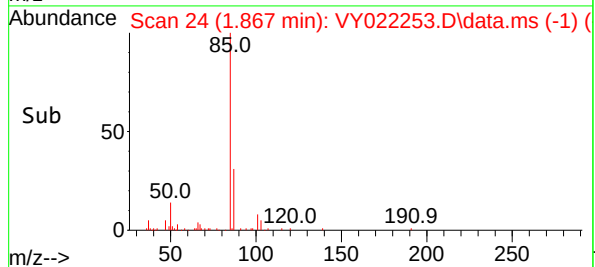
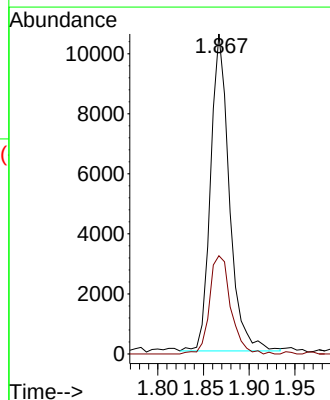
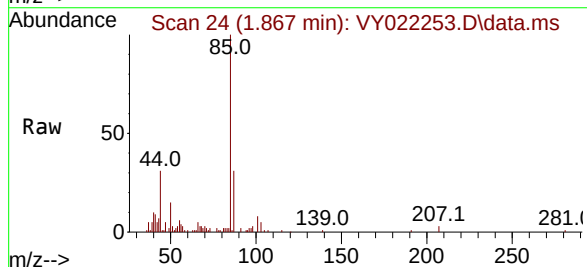
Manual Integrations
APPROVED

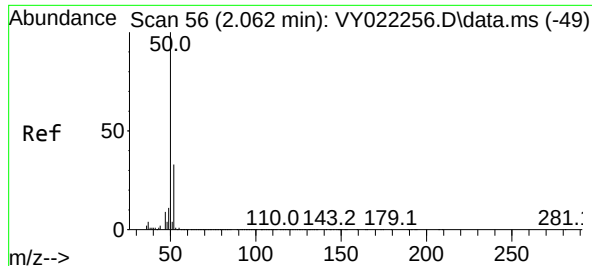
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 5.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

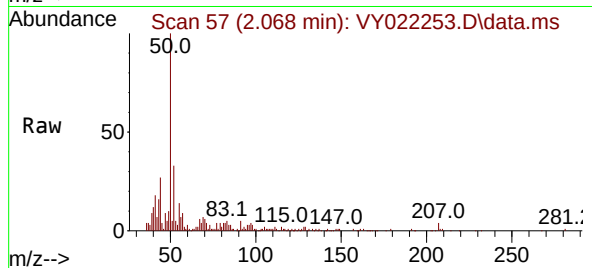
Tgt Ion: 85 Resp: 15071
Ion Ratio Lower Upper
85 100
87 31.0 16.5 49.5





#3
Chloromethane
Concen: 5.523 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

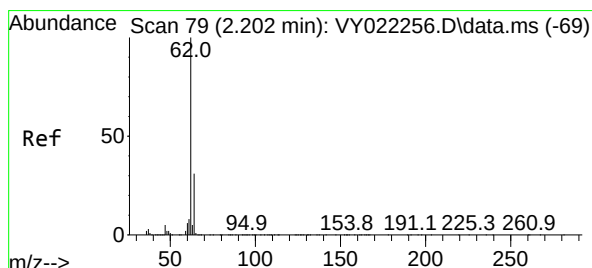
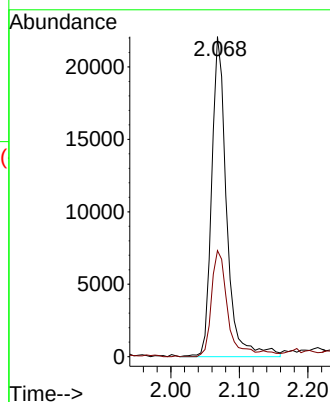
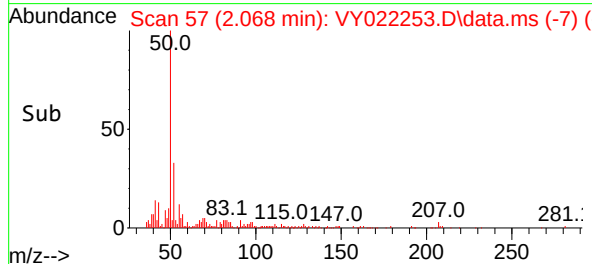
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 3347
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

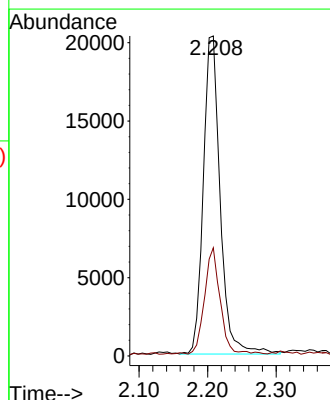
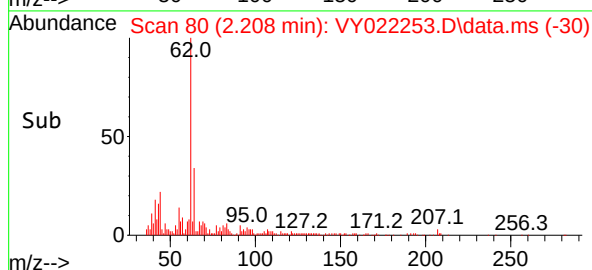
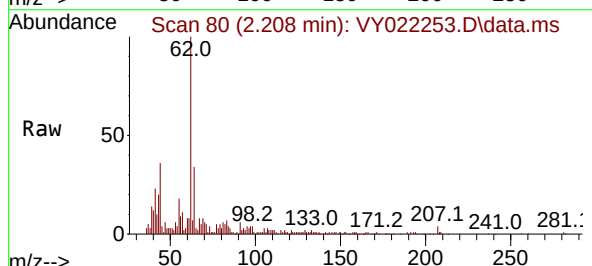
Manual Integrations
APPROVED

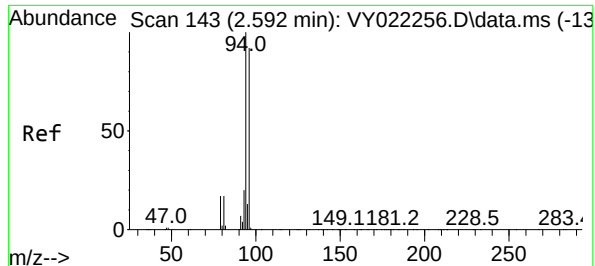
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 5.159 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 34943
Ion Ratio Lower Upper
62 100
64 33.0 24.5 36.7





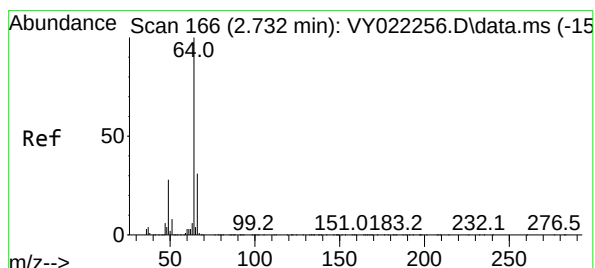
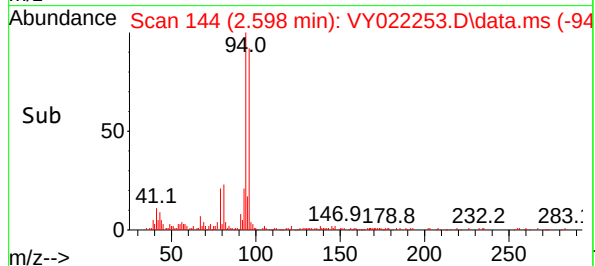
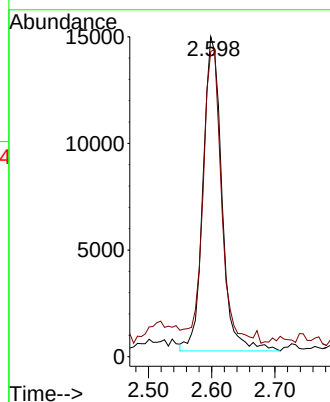
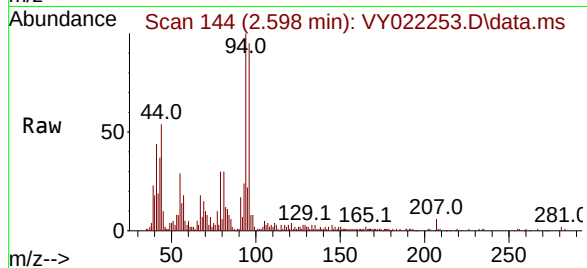
#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 3056
Ion Ratio Lower Upper
94 100
96 90.7 73.4 110.0

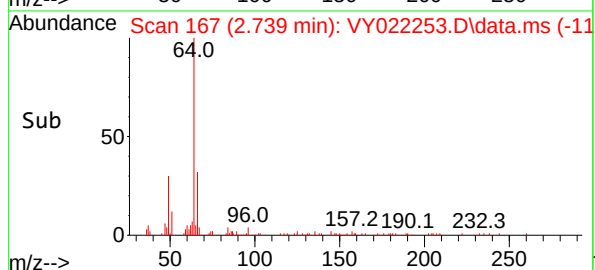
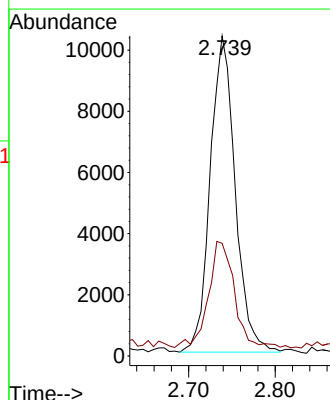
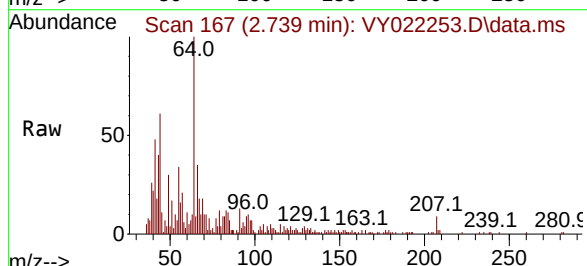
Manual Integrations
APPROVED

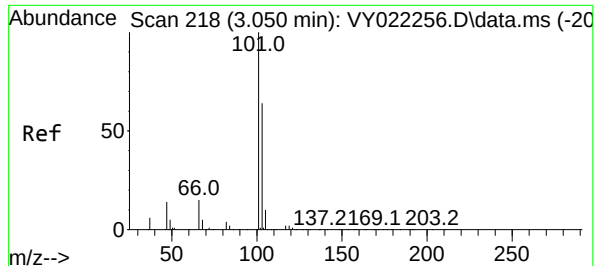
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 4.923 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

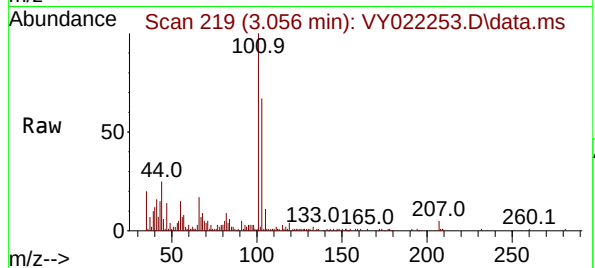
Tgt Ion: 64 Resp: 20741
Ion Ratio Lower Upper
64 100
66 32.8 24.8 37.2





#7
Trichlorofluoromethane
Concen: 5.052 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

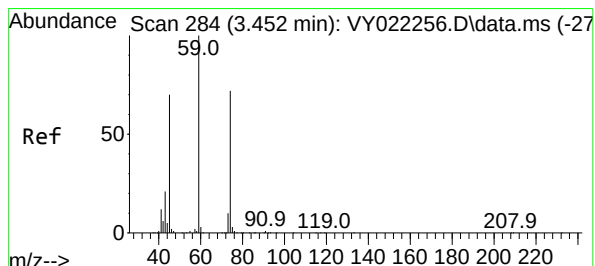
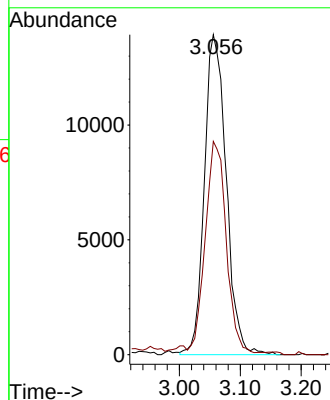
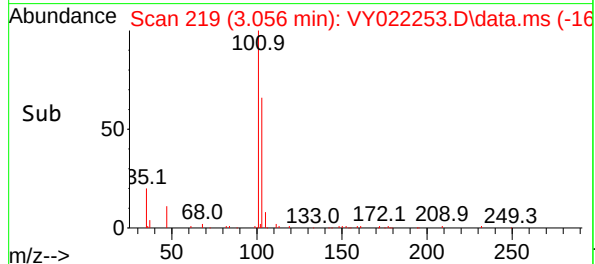
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:101 Resp: 3464
Ion Ratio Lower Upper
101 100
103 66.0 51.7 77.5

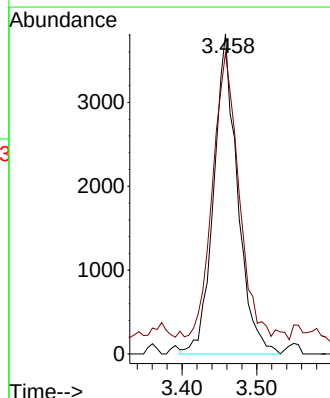
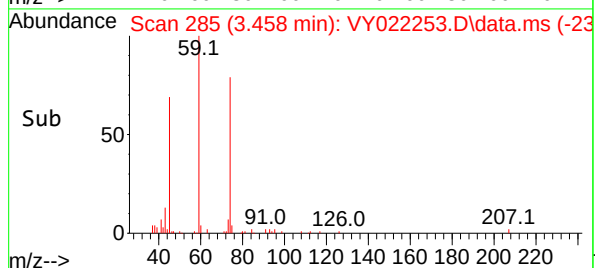
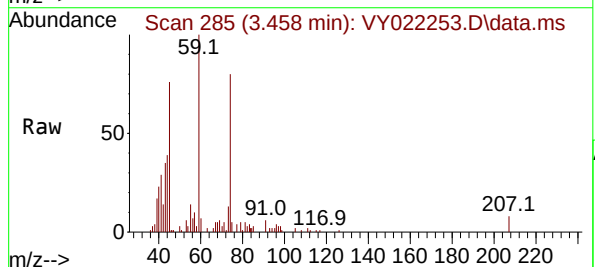
Manual Integrations
APPROVED

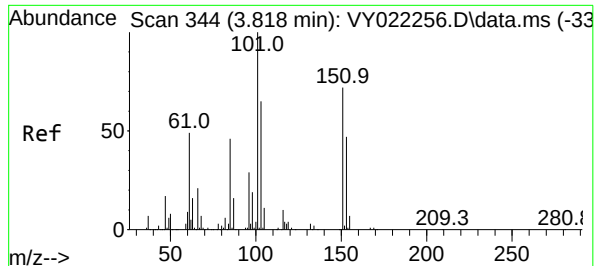
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 5.126 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 74 Resp: 8435
Ion Ratio Lower Upper
74 100
45 96.3 48.6 145.8





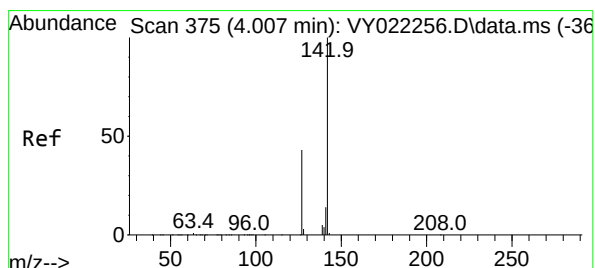
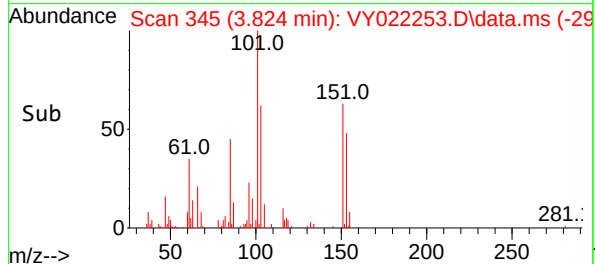
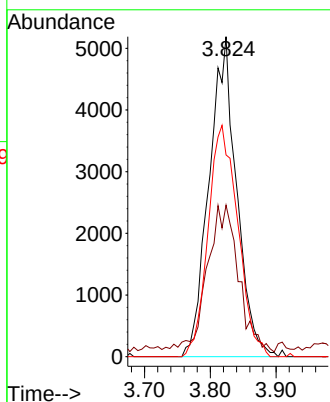
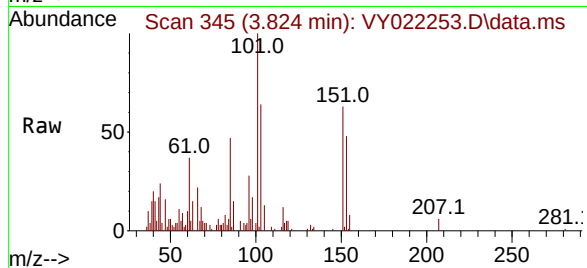
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 15124
Ion Ratio Lower Upper
101 100
85 52.5 38.6 58.0
151 78.0 59.7 89.5

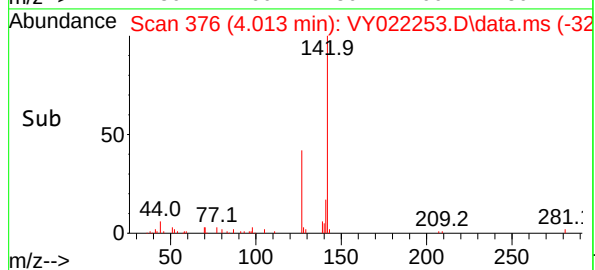
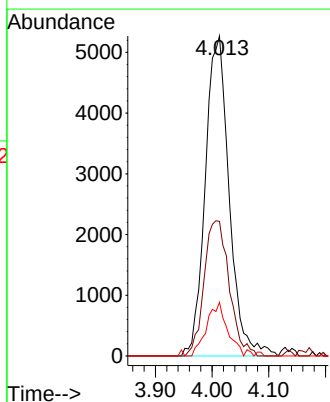
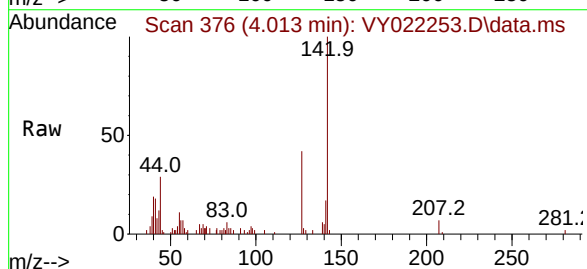
Manual Integrations
APPROVED

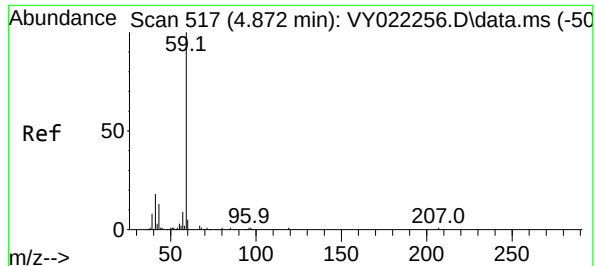
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 4.484 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:142 Resp: 15449
Ion Ratio Lower Upper
142 100
127 44.4 35.7 53.5
141 14.4 11.1 16.7





#11

Tert butyl alcohol

Concen: 26.722 ug/l

RT: 4.879 min Scan# 517

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 6159

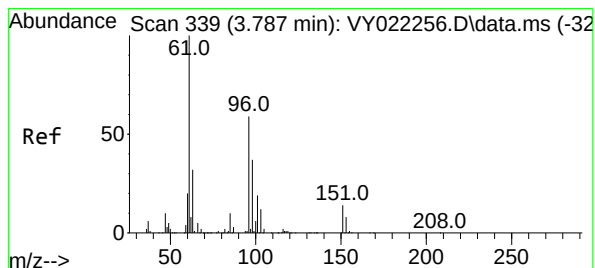
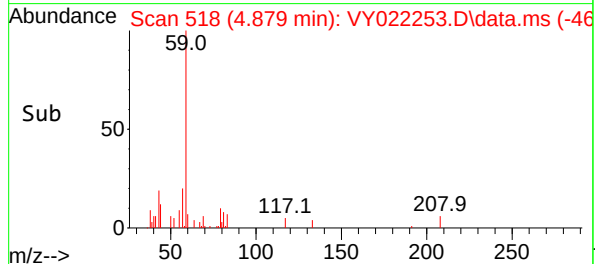
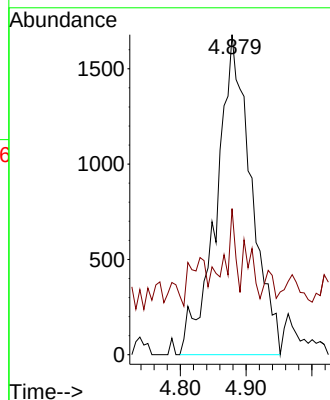
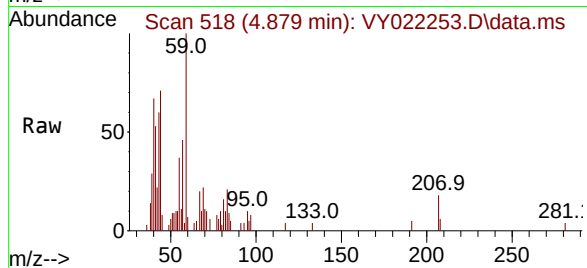
Ion Ratio Lower Upper

59 100

57 5.4 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 5.099 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

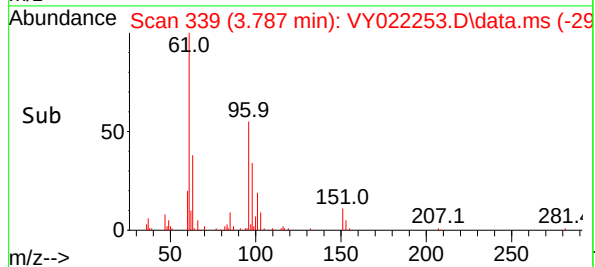
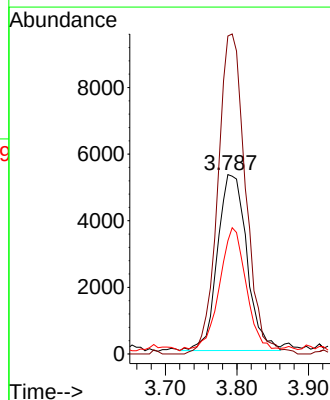
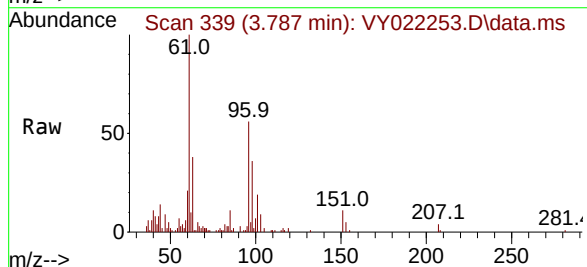
Tgt Ion: 96 Resp: 15064

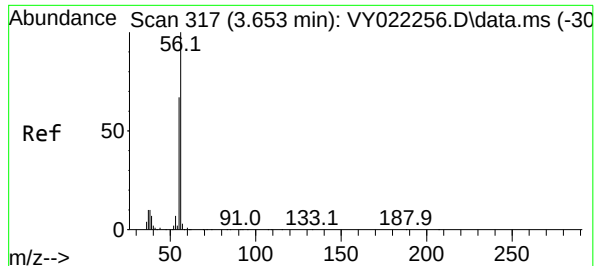
Ion Ratio Lower Upper

96 100

61 180.8 134.9 202.3

98 62.6 49.9 74.9





#13

Acrolein

Concen: 27.796 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion: 56 Resp: 9360

Ion Ratio Lower Upper

56 100

55 74.6 55.6 83.4

Instrument :

MSVOA_Y

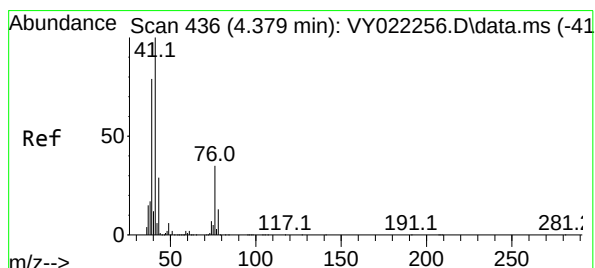
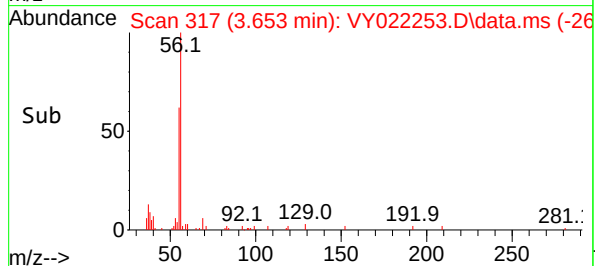
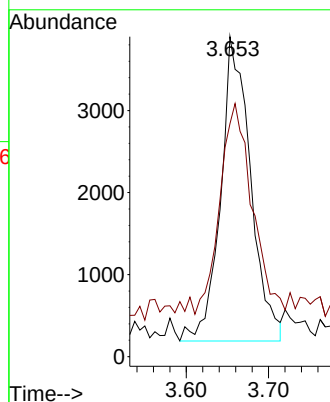
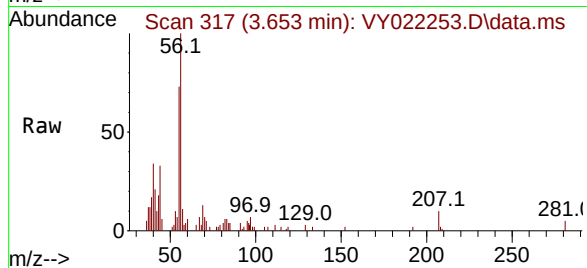
ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 4.737 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

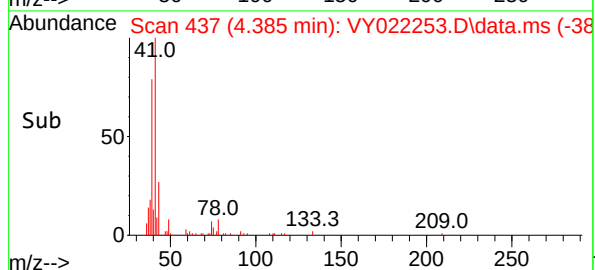
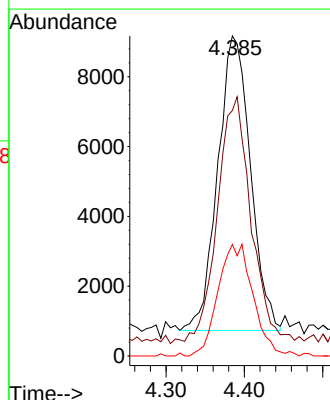
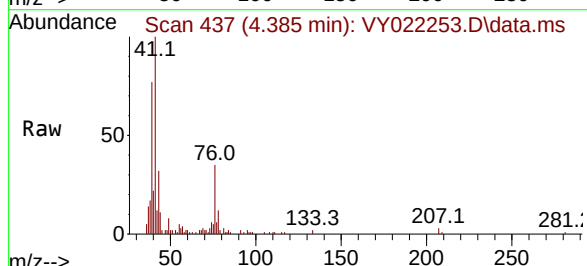
Tgt Ion: 41 Resp: 24537

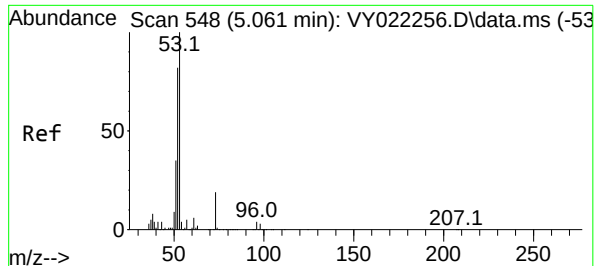
Ion Ratio Lower Upper

41 100

39 83.9 63.4 95.0

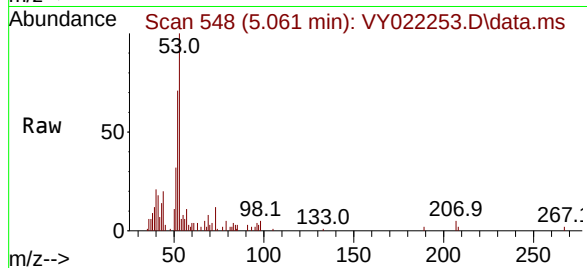
76 40.5 29.5 44.3





#15
Acrylonitrile
Concen: 25.125 ug/l
RT: 5.061 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

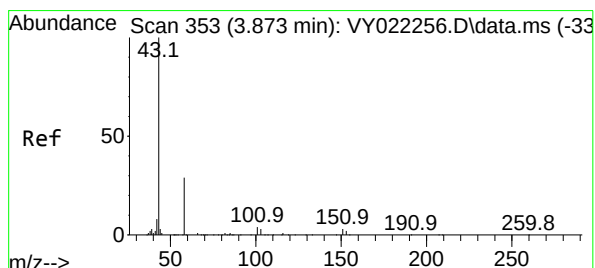
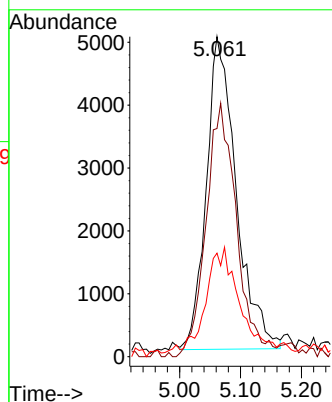
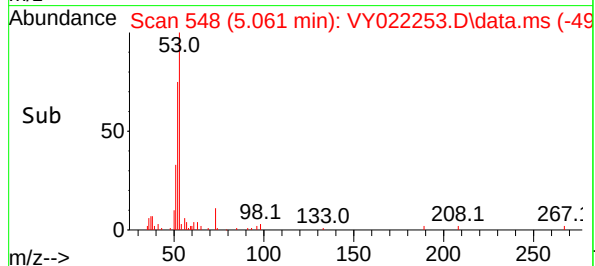
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 53 Resp: 17030
Ion Ratio Lower Upper
53 100
52 82.3 66.1 99.1
51 38.0 30.0 45.0

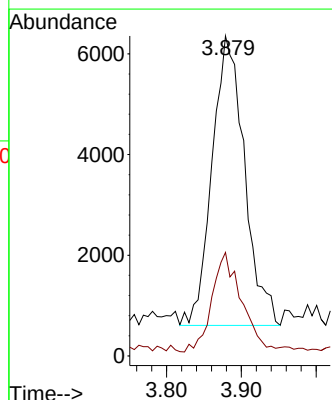
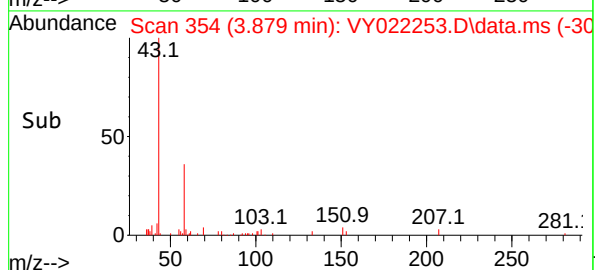
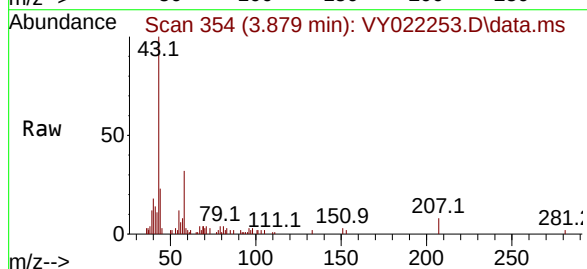
Manual Integrations
APPROVED

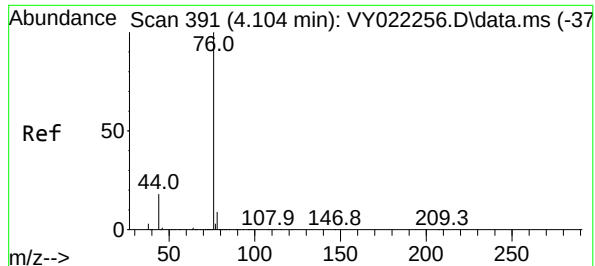
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#16
Acetone
Concen: 30.639 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 17340
Ion Ratio Lower Upper
43 100
58 34.3 23.6 35.4





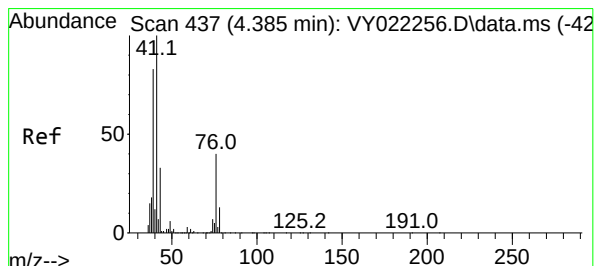
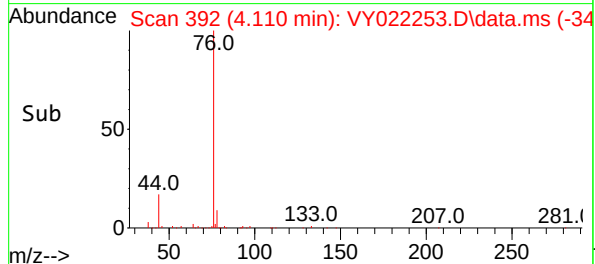
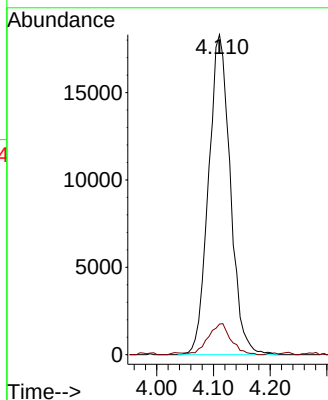
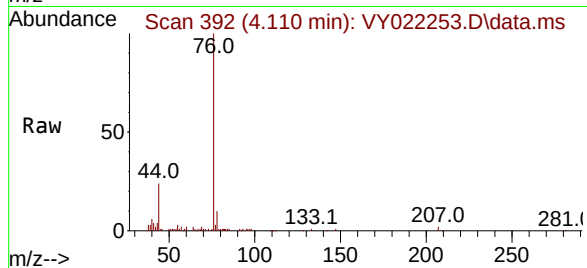
#17
Carbon Disulfide
Concen: 5.068 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 4881
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

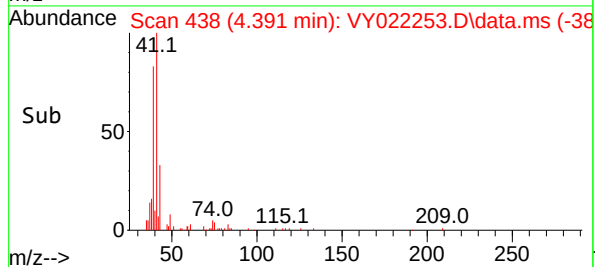
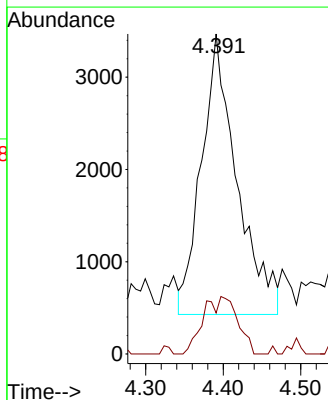
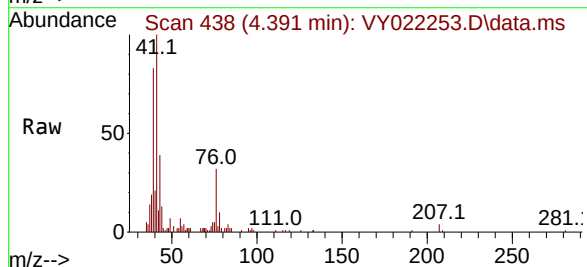
Manual Integrations
APPROVED

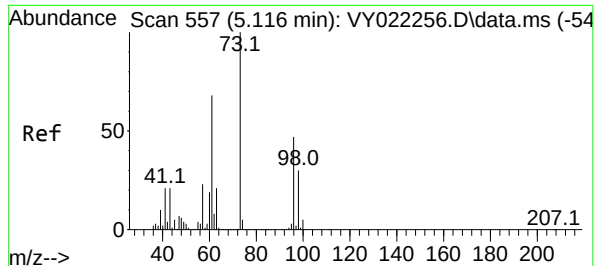
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18
Methyl Acetate
Concen: 5.597 ug/l m
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 9639
Ion Ratio Lower Upper
43 100
74 8.9 18.2 27.4#





#19

Methyl tert-butyl Ether

Concen: 4.959 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 40392

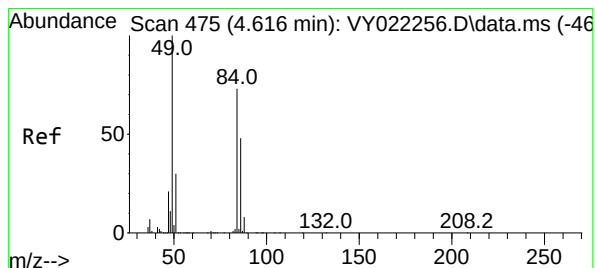
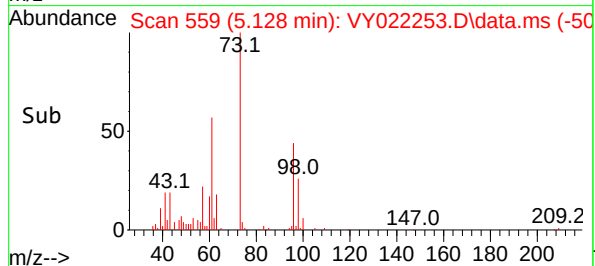
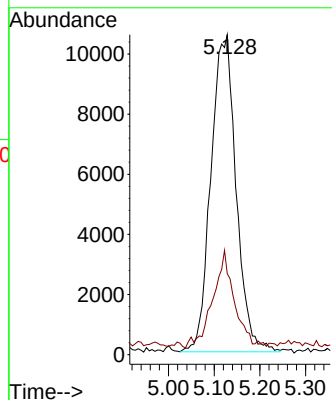
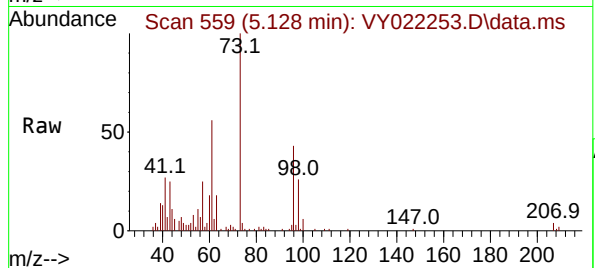
Ion Ratio Lower Upper

73 100

57 22.0 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#20

Methylene Chloride

Concen: 6.016 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion: 84 Resp: 22002

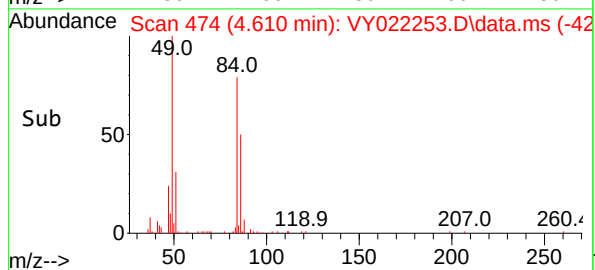
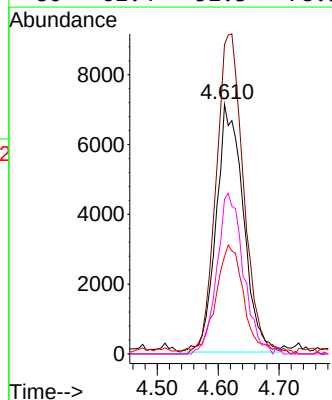
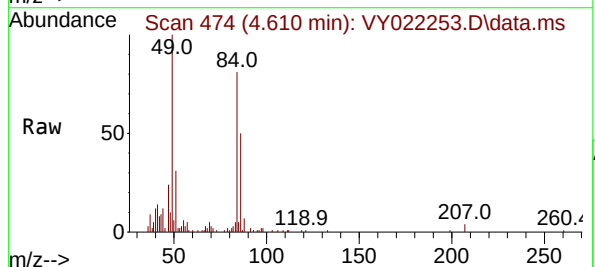
Ion Ratio Lower Upper

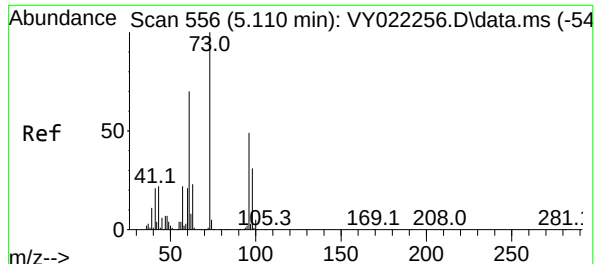
84 100

49 125.0 109.6 164.4

51 38.1 32.4 48.6

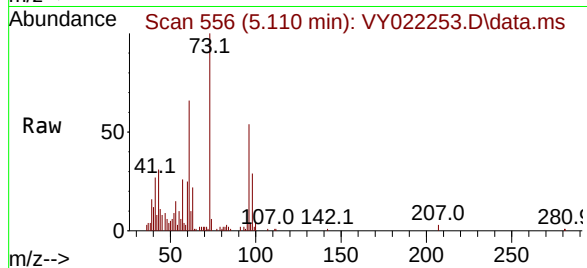
86 62.4 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

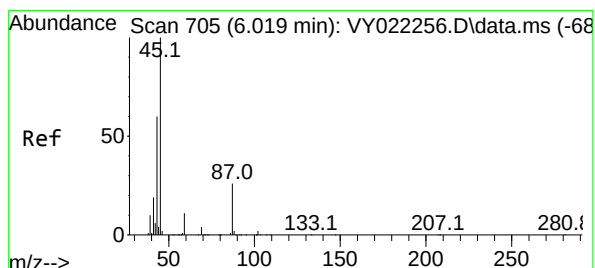
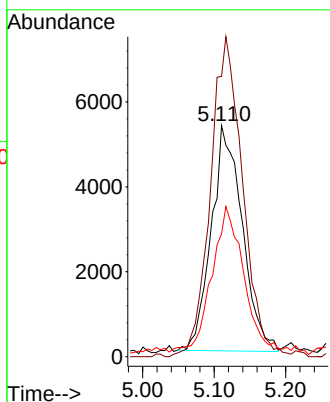
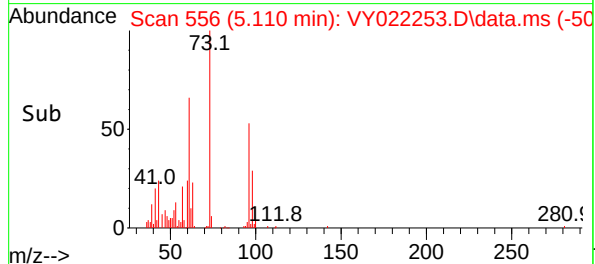
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1594
Ion Ratio Lower Upper
96 100
61 123.1 113.4 170.0
98 51.2 50.9 76.3

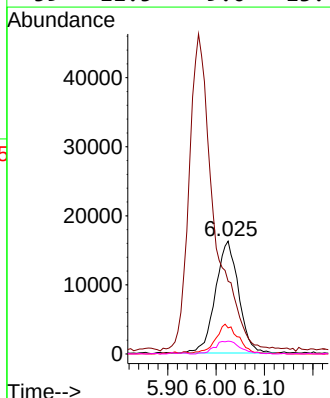
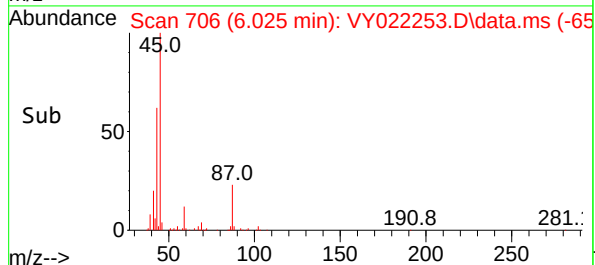
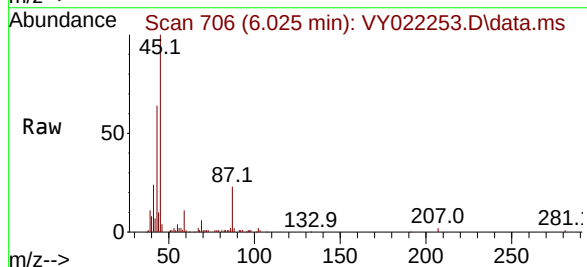
Manual Integrations
APPROVED

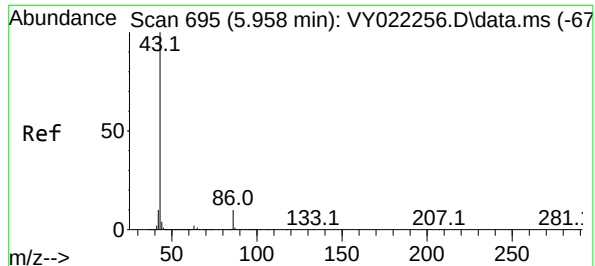
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 4.915 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 45 Resp: 53760
Ion Ratio Lower Upper
45 100
43 59.6 48.2 72.2
87 22.4 21.4 32.0
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 25.361 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 167594

Ion Ratio Lower Upper

43

100

86

11.3

7.8

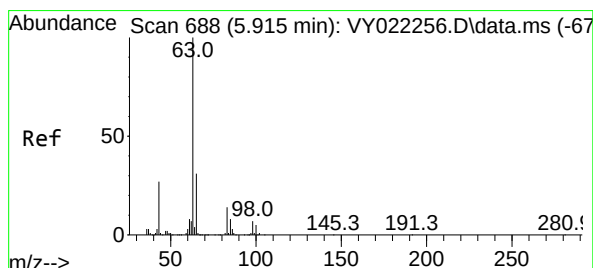
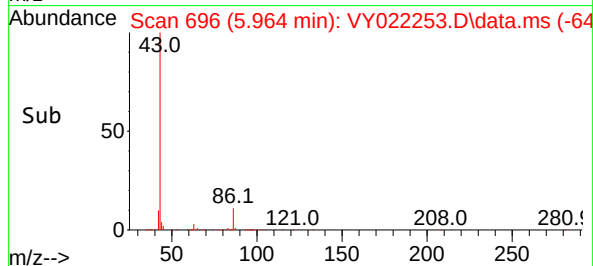
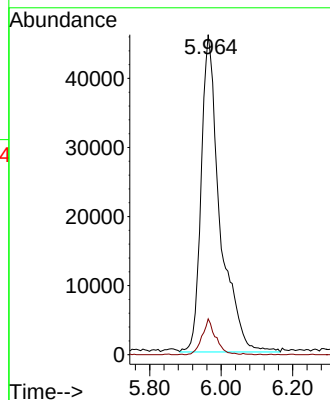
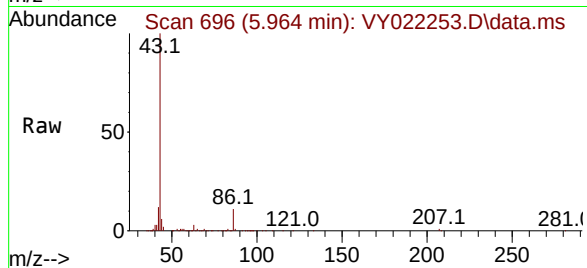
11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 5.026 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 30712

Ion Ratio Lower Upper

63

100

98

8.3

3.5

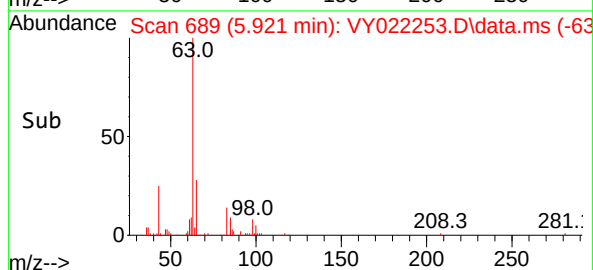
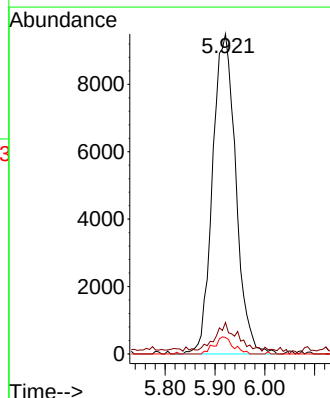
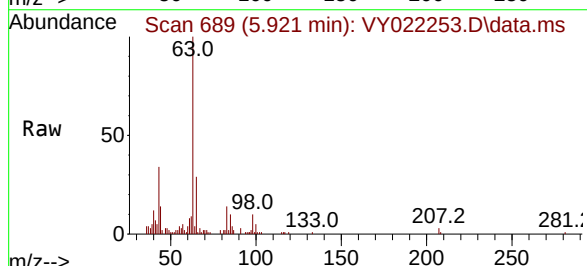
10.5

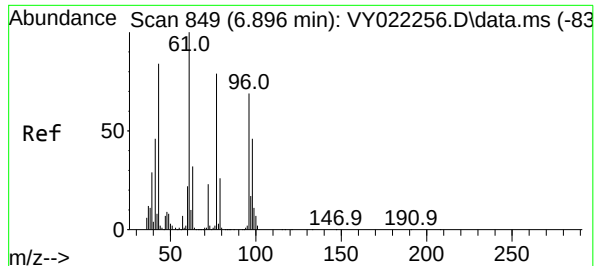
100

5.1

2.4

7.2





#25

2-Butanone

Concen: 26.203 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2480

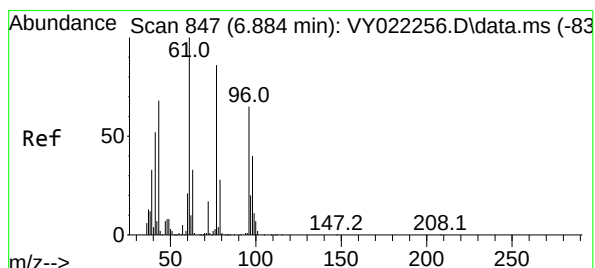
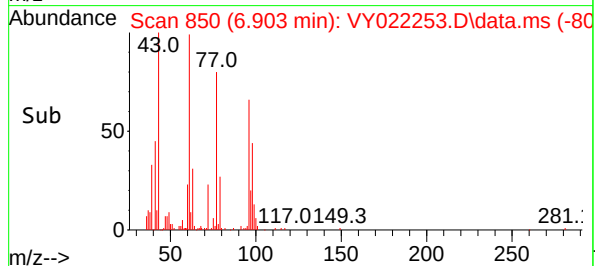
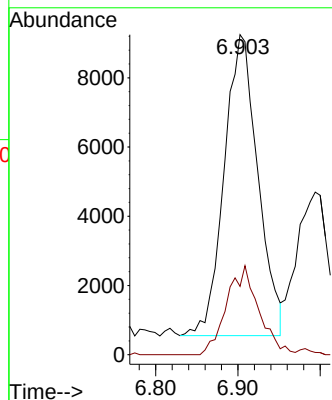
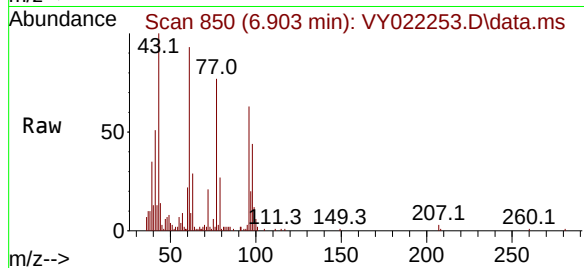
Ion Ratio Lower Upper

43 100

72 22.7 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 5.048 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022253.D

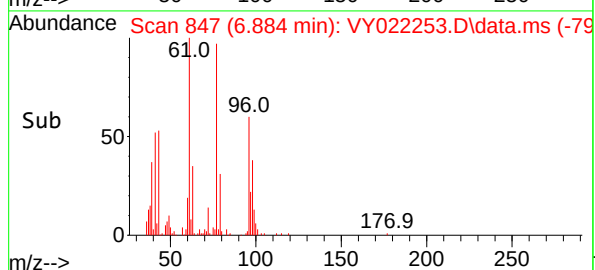
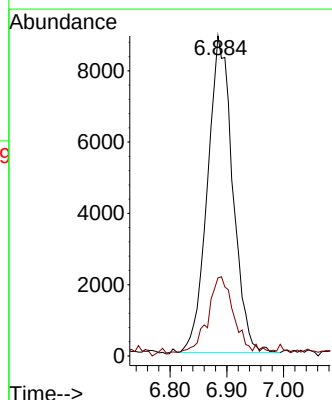
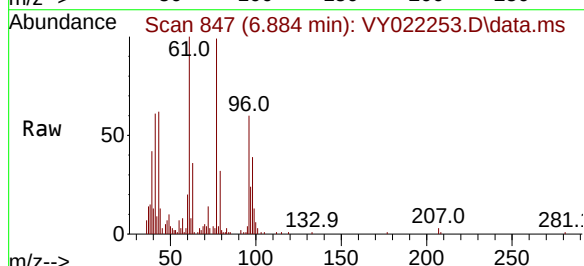
Acq: 15 May 2025 09:46

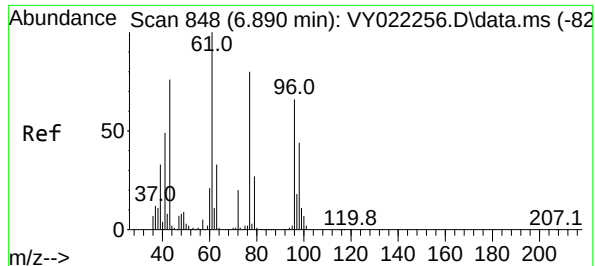
Tgt Ion: 77 Resp: 27440

Ion Ratio Lower Upper

77 100

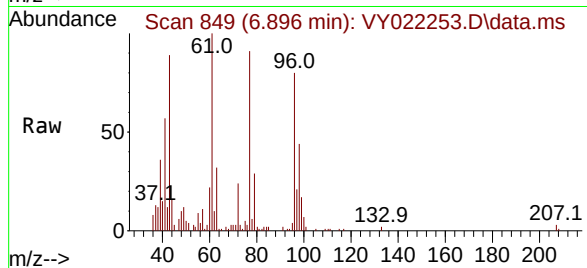
97 23.9 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 4.857 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

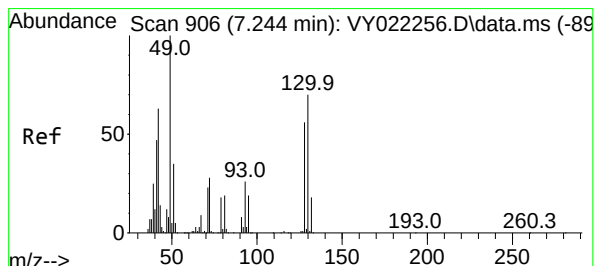
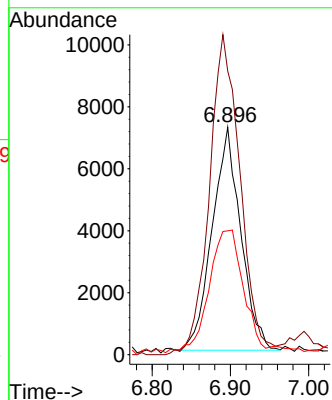
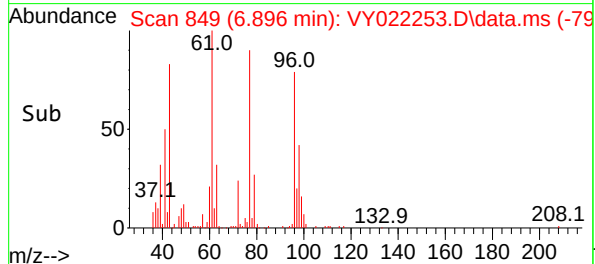
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



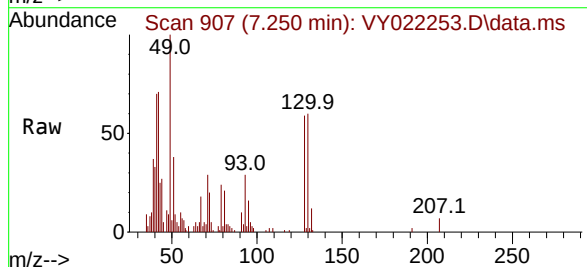
Tgt Ion: 96 Resp: 18270
Ion Ratio Lower Upper
96 100
61 154.3 0.0 302.6
98 66.0 0.0 128.8

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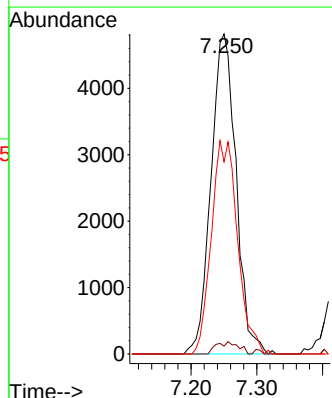
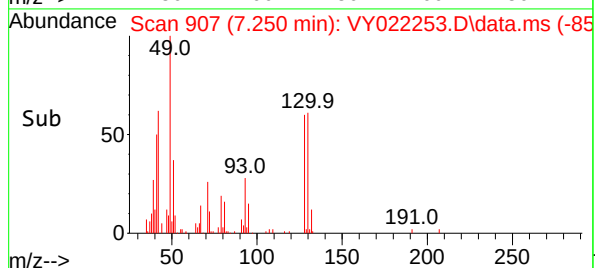
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

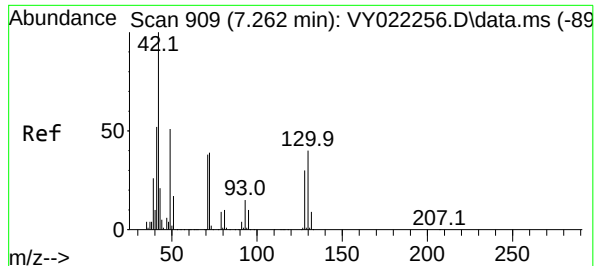


#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



Tgt Ion: 49 Resp: 12774
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.6
130 69.7 54.7 82.1





#29

Tetrahydrofuran

Concen: 23.811 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 14502

Ion Ratio Lower Upper

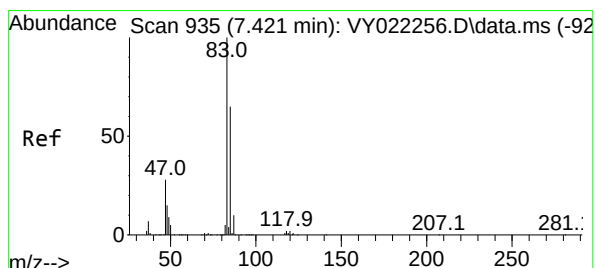
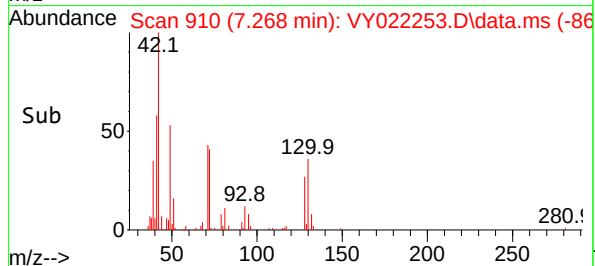
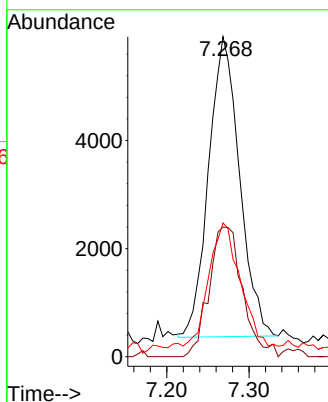
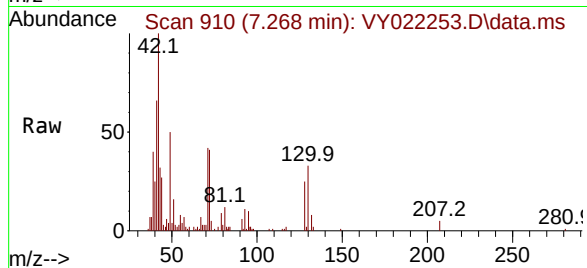
42 100

72 46.7 33.8 50.6

71 43.0 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#30

Chloroform

Concen: 4.863 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022253.D

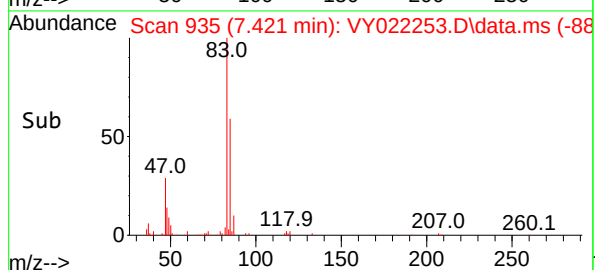
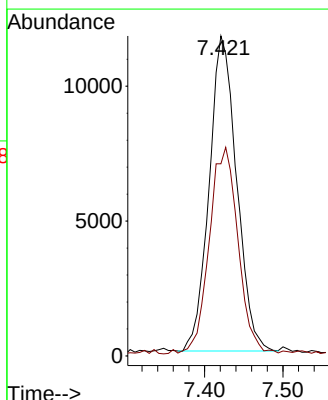
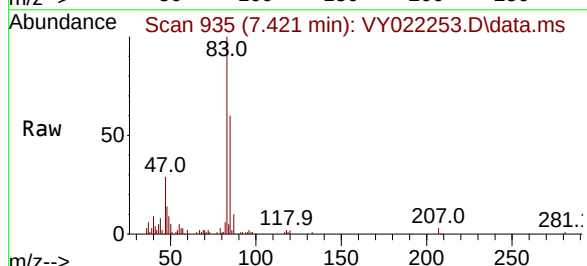
Acq: 15 May 2025 09:46

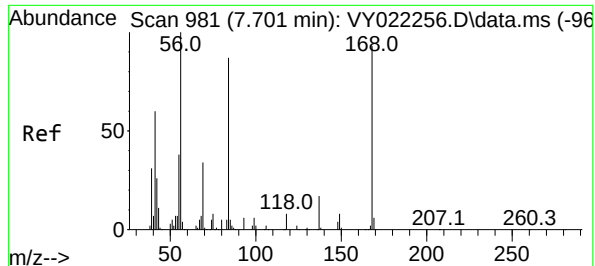
Tgt Ion: 83 Resp: 28505

Ion Ratio Lower Upper

83 100

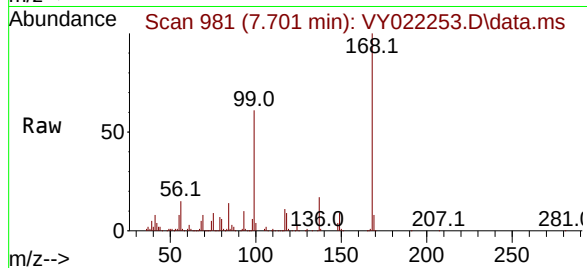
85 60.1 51.8 77.8





#31
Cyclohexane
Concen: 5.880 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

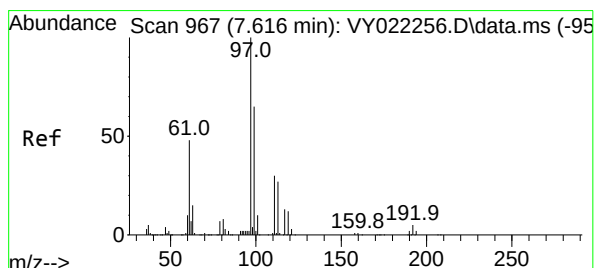
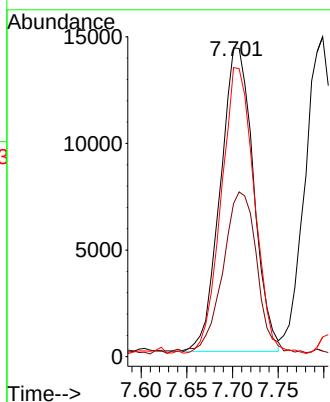
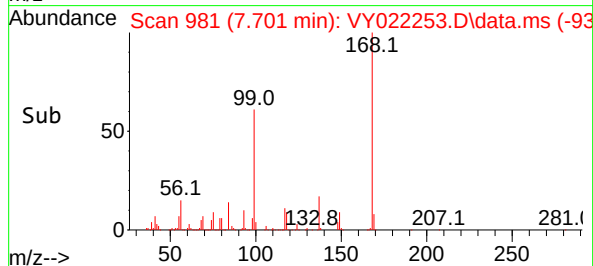
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 35904
Ion Ratio Lower Upper
56 100
69 48.0 27.4 41.2
84 93.4 70.0 105.0

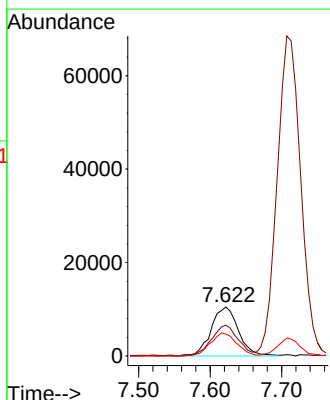
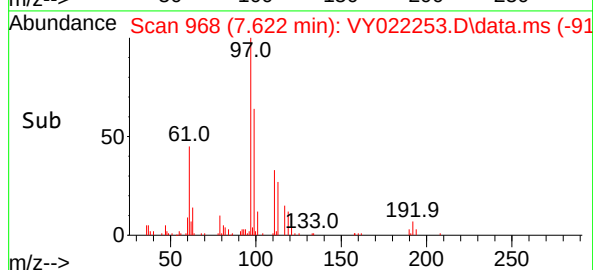
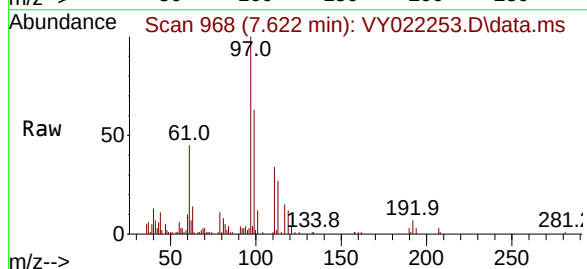
Manual Integrations
APPROVED

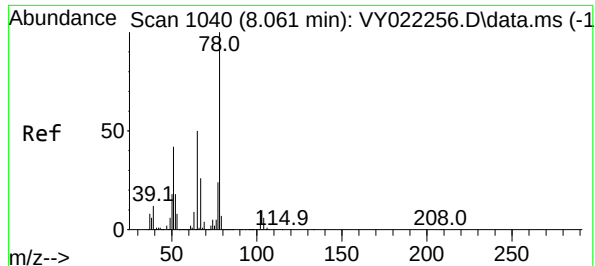
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 27801
Ion Ratio Lower Upper
97 100
99 60.7 51.4 77.0
61 45.4 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 5.009 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 15118

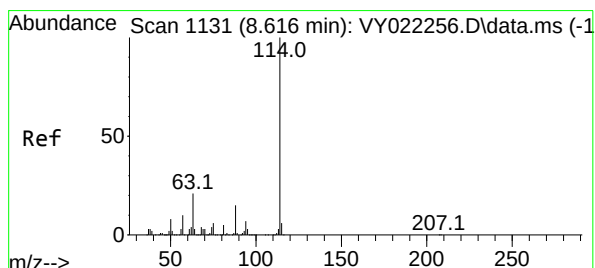
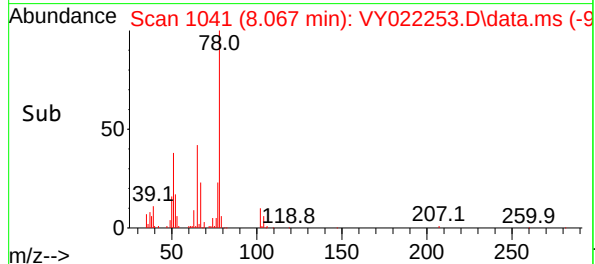
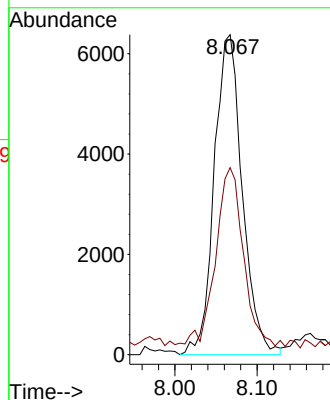
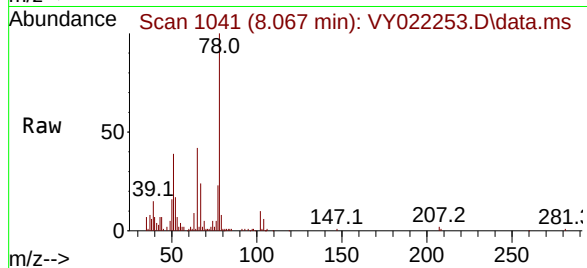
Ion Ratio Lower Upper

65 100

67 54.6 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

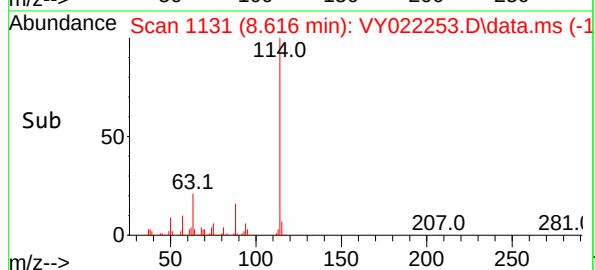
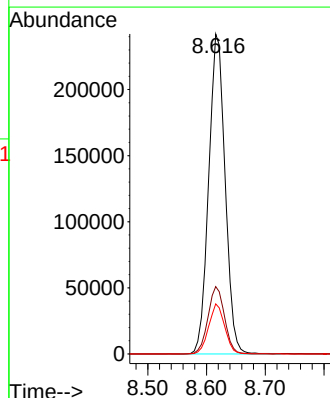
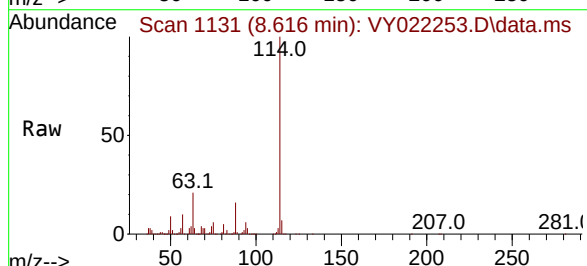
Tgt Ion:114 Resp: 470488

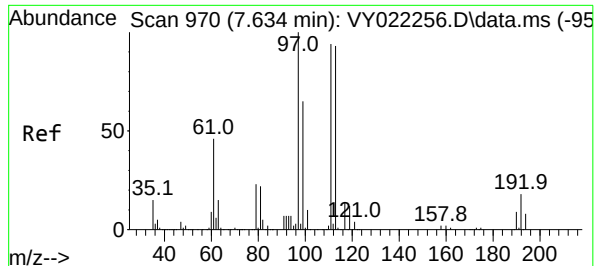
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 4.933 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 13854

Ion Ratio Lower Upper

113 100

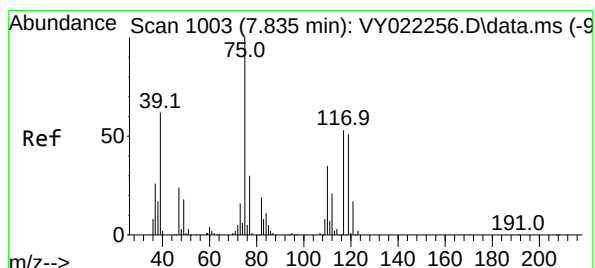
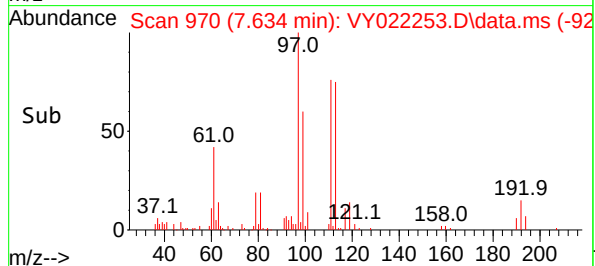
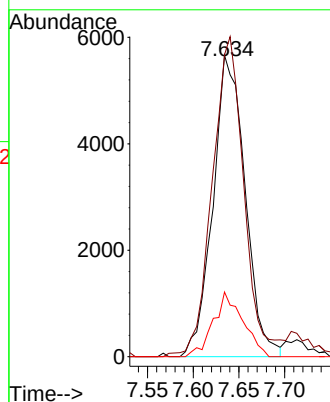
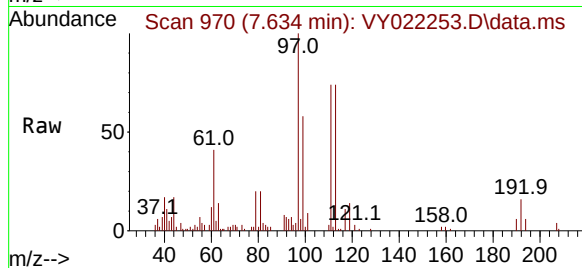
111 103.5 82.6 123.8

192 19.7 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

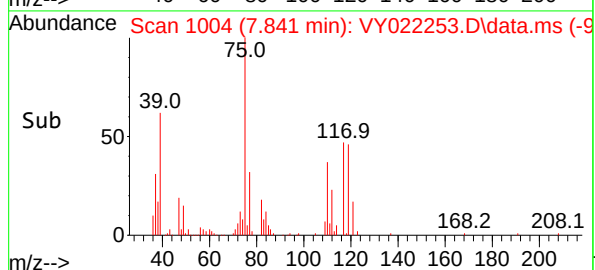
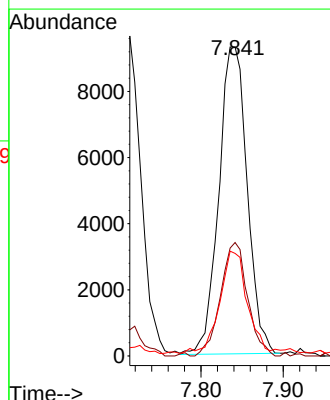
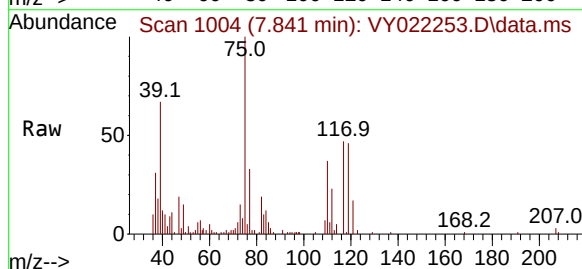
Tgt Ion: 75 Resp: 22314

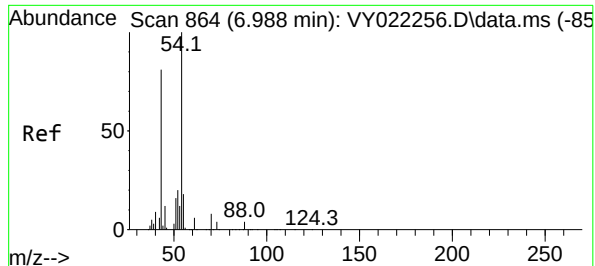
Ion Ratio Lower Upper

75 100

110 35.1 16.6 49.8

77 32.4 24.6 37.0





#37

Ethyl Acetate

Concen: 5.352 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 11910

Ion Ratio Lower Upper

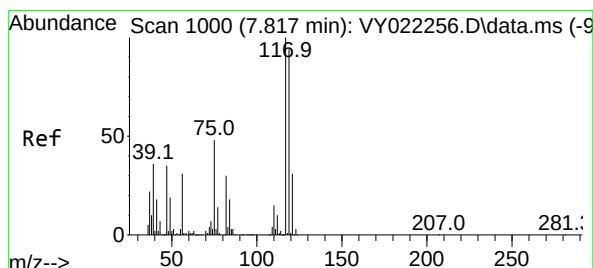
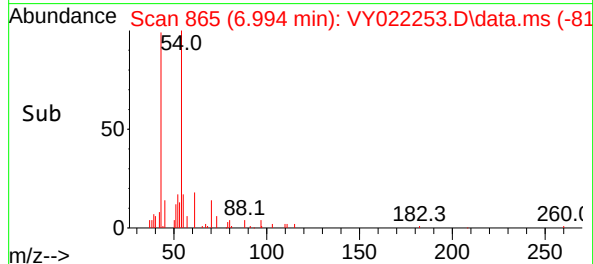
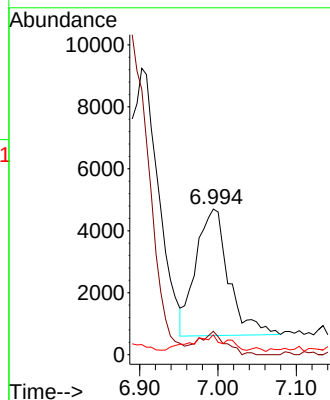
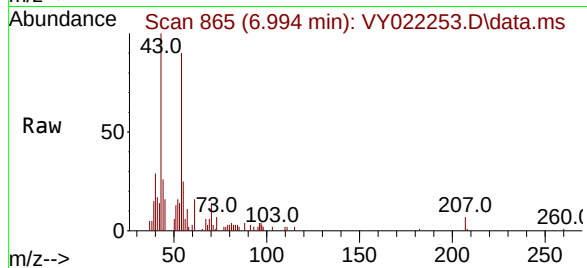
43 100

61 15.1 10.2 15.2

70 9.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#38

Carbon Tetrachloride

Concen: 4.768 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

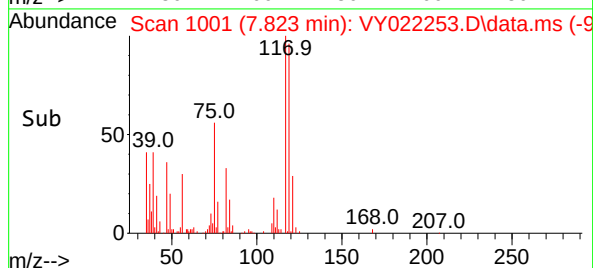
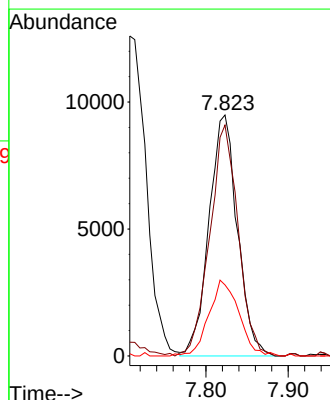
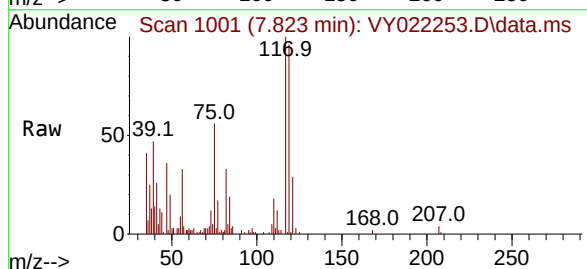
Tgt Ion:117 Resp: 22826

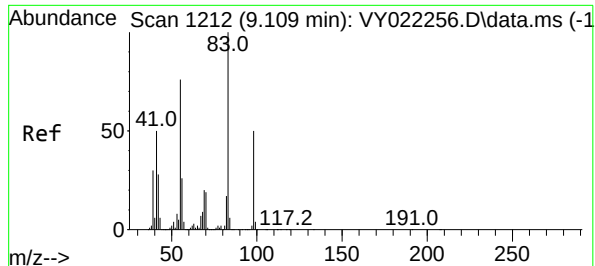
Ion Ratio Lower Upper

117 100

119 95.8 75.3 112.9

121 29.5 24.7 37.1





#39

Methylcyclohexane

Concen: 5.024 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 31218

Ion Ratio Lower Upper

83 100

55 78.9 60.6 90.8

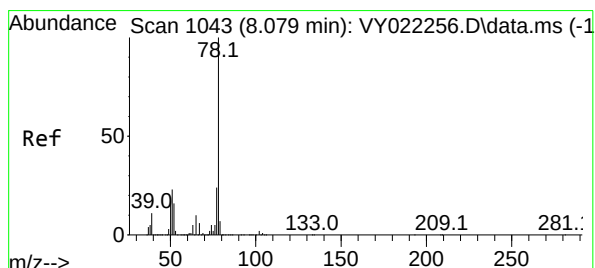
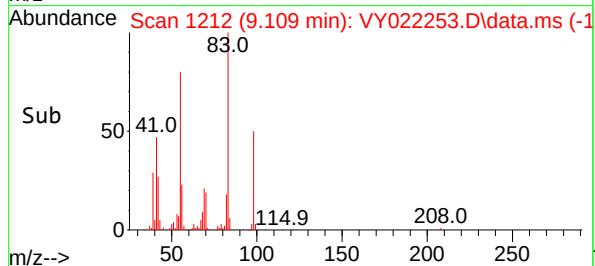
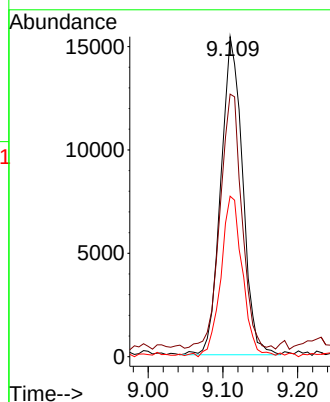
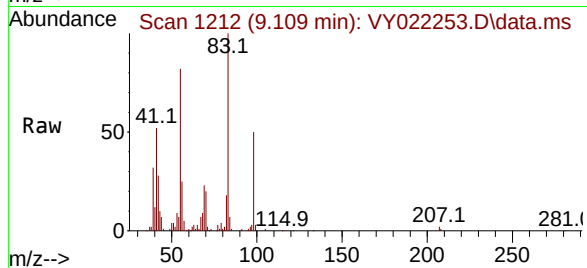
98 49.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#40

Benzene

Concen: 4.699 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY022253.D

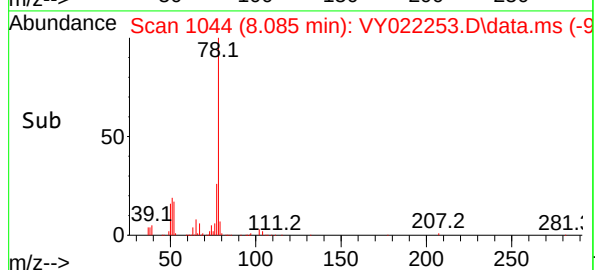
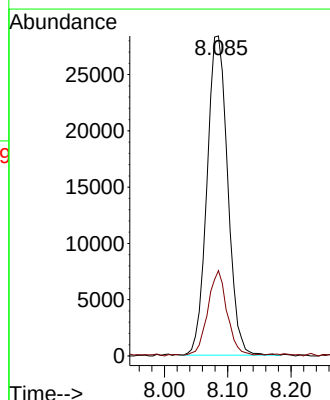
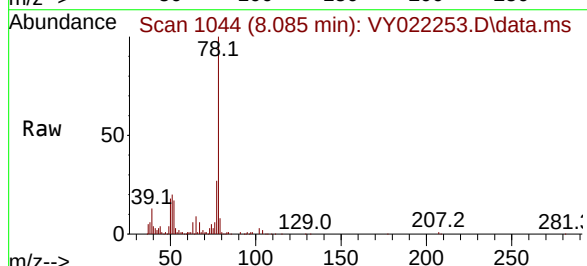
Acq: 15 May 2025 09:46

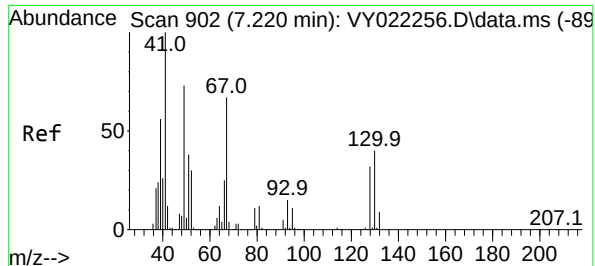
Tgt Ion: 78 Resp: 64430

Ion Ratio Lower Upper

78 100

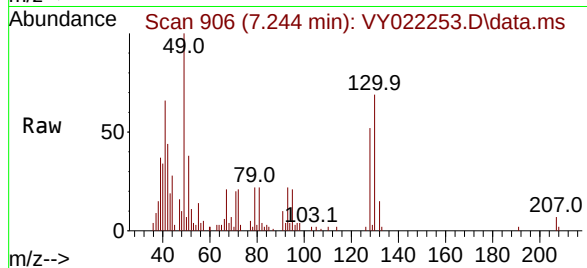
77 26.4 18.9 28.3





#41
Methacrylonitrile
Concen: 4.422 ug/l m
RT: 7.244 min Scan# 906
Delta R.T. 0.024 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

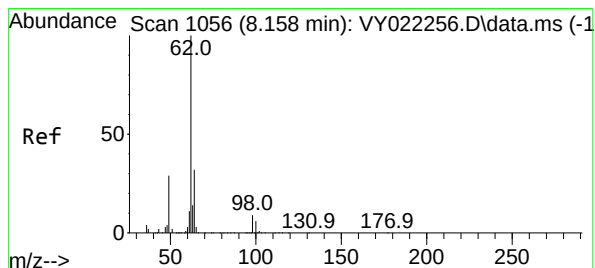
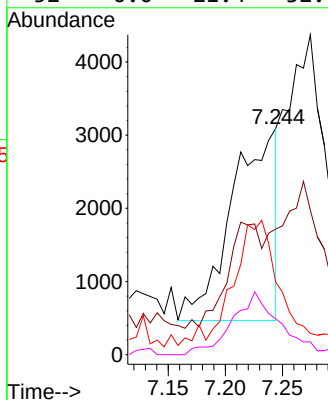
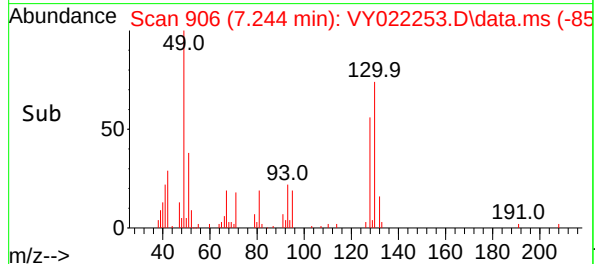
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 720
Ion Ratio Lower Upper
41 100
39 63.3 39.1 58.7
67 0.0 47.1 70.7
52 0.0 21.4 32.0

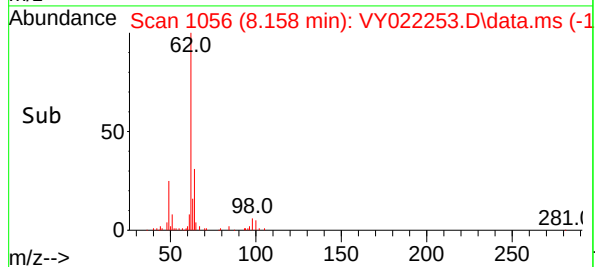
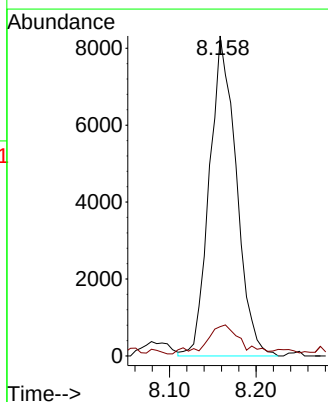
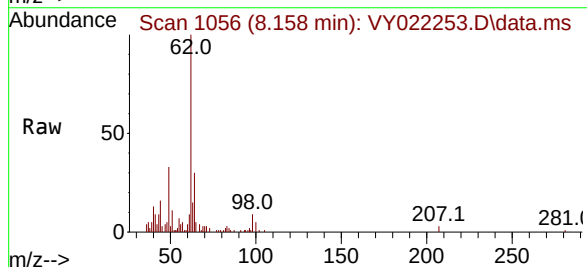
Manual Integrations
APPROVED

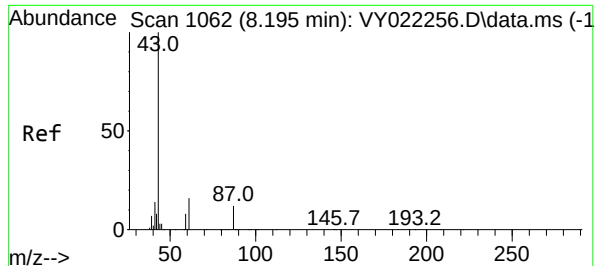
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 4.837 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 17934
Ion Ratio Lower Upper
62 100
98 10.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 4.941 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

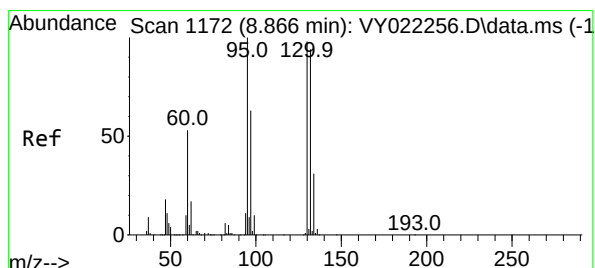
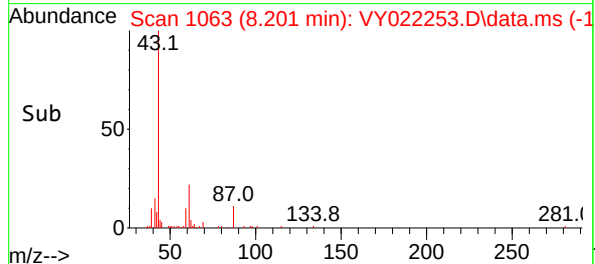
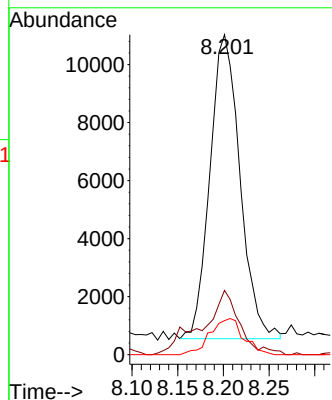
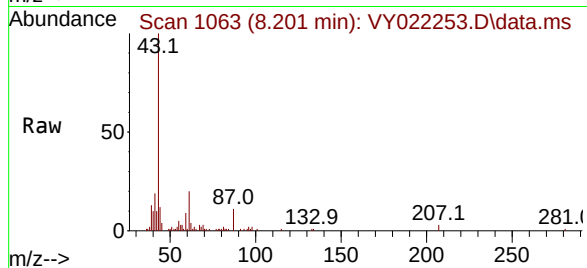
VSTDIC005

Tgt Ion: 43	Resp: 23979
Ion Ratio	Lower Upper
43 100	
61 18.7	15.1 22.7
87 13.2	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#44

Trichloroethene

Concen: 4.943 ug/l

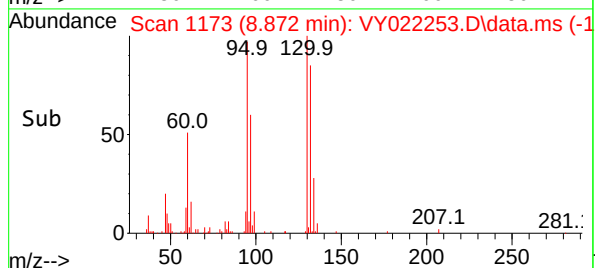
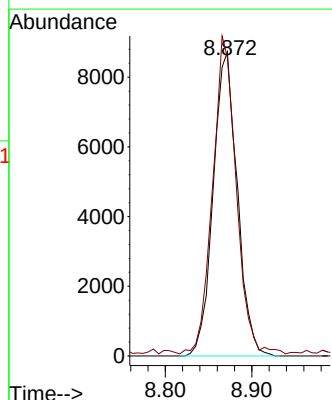
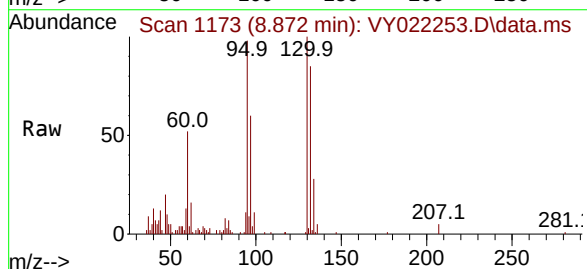
RT: 8.872 min Scan# 1173

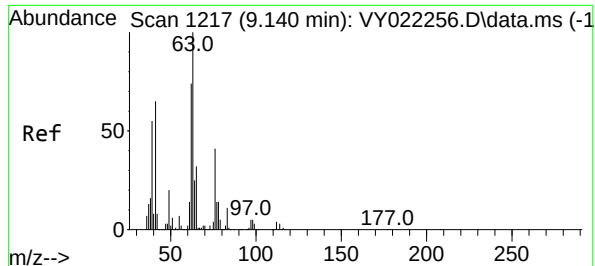
Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion:130	Resp: 16852
Ion Ratio	Lower Upper
130 100	
95 97.3	0.0 204.8





#45

1,2-Dichloropropane

Concen: 4.796 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 1585

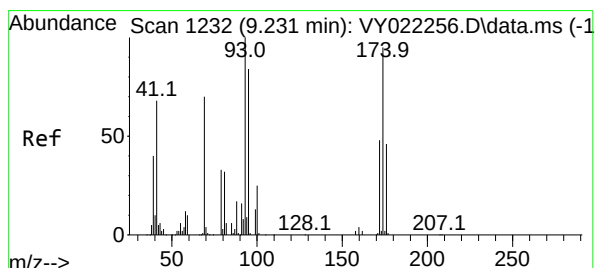
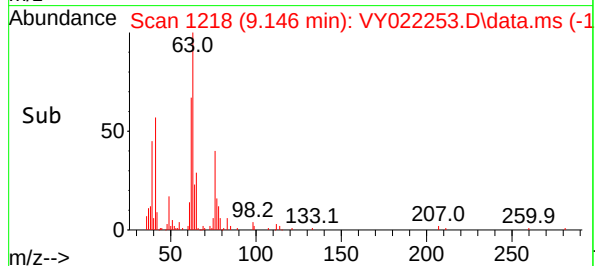
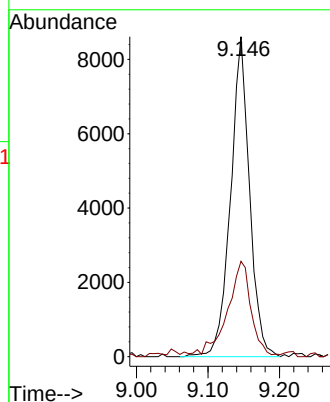
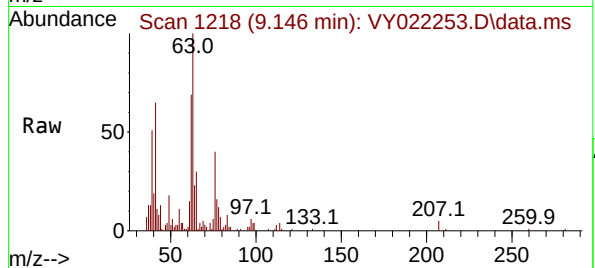
Ion Ratio Lower Upper

63 100

65 29.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#46

Dibromomethane

Concen: 4.980 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

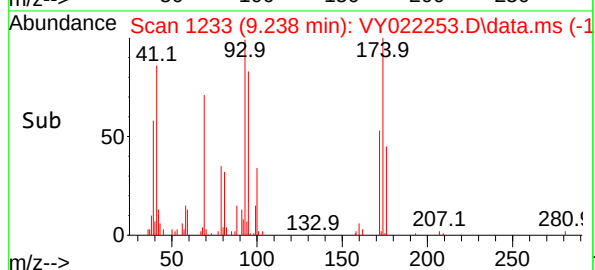
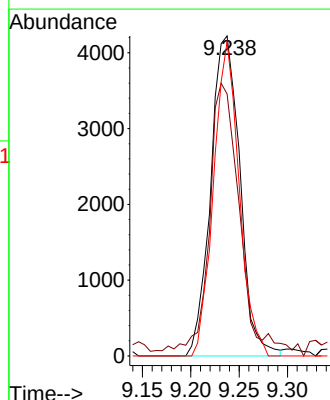
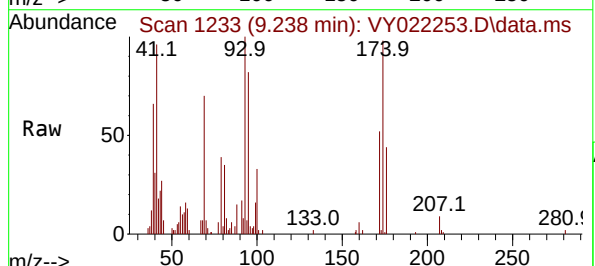
Tgt Ion: 93 Resp: 8879

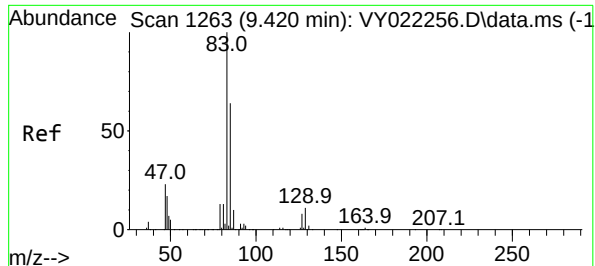
Ion Ratio Lower Upper

93 100

95 89.8 65.2 97.8

174 85.7 74.3 111.5





#47

Bromodichloromethane

Concen: 4.736 ug/l

RT: 9.427 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

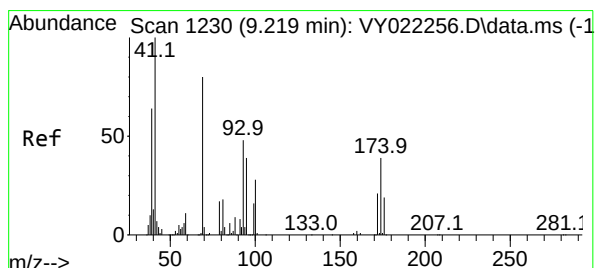
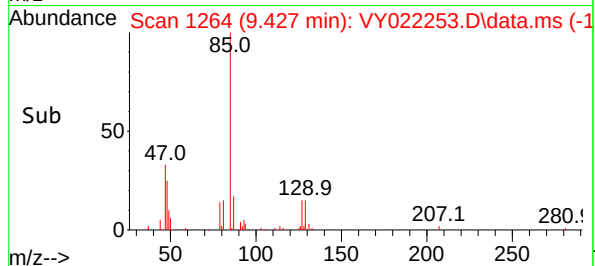
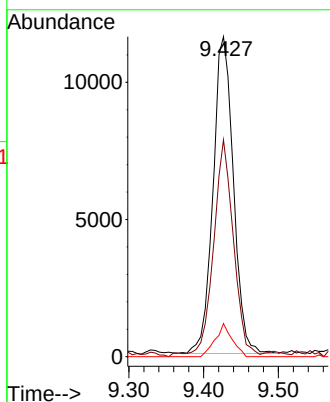
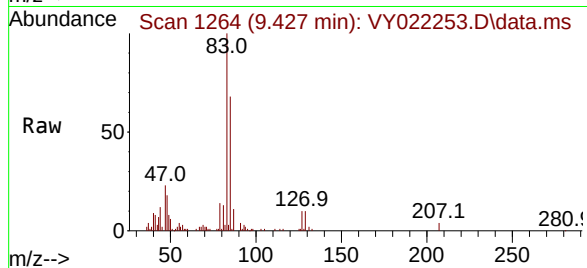
VSTDIC005

Tgt Ion: 83	Resp: 21900
Ion Ratio	Lower Upper
83 100	
85 67.3	51.1 76.7
127 10.4	6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#48

Methyl methacrylate

Concen: 4.727 ug/l

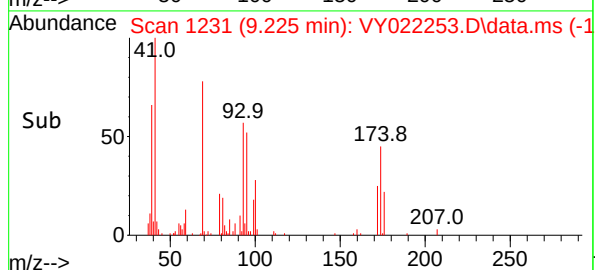
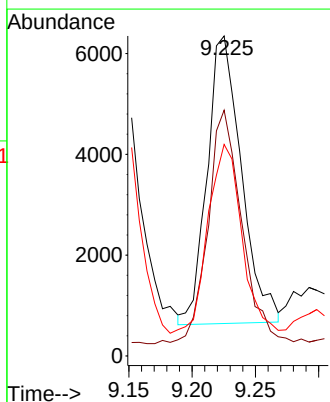
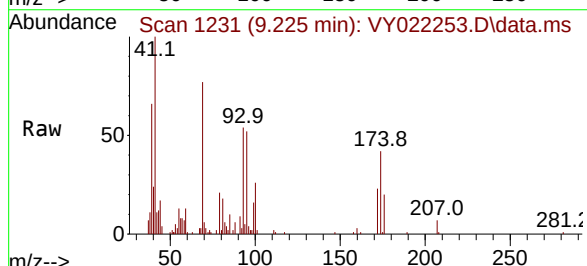
RT: 9.225 min Scan# 1231

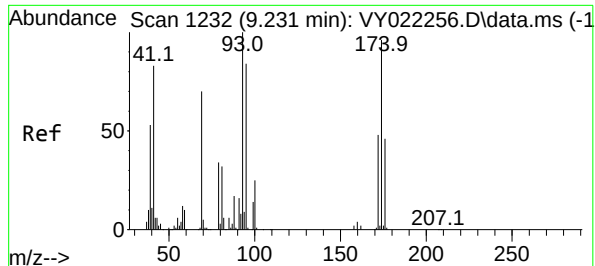
Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion: 41	Resp: 10729
Ion Ratio	Lower Upper
41 100	
69 80.7	63.5 95.3
39 66.0	50.8 76.2





#49

1,4-Dioxane

Concen: 97.404 ug/l

RT: 9.244 min Scan# 1232

Delta R.T. 0.012 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 1962

Ion Ratio Lower Upper

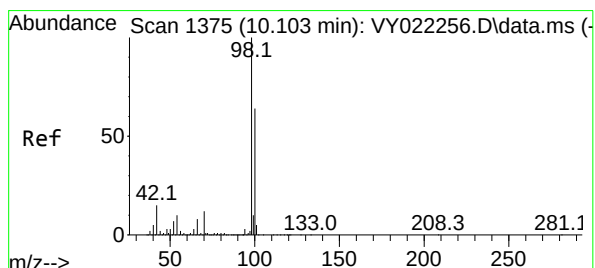
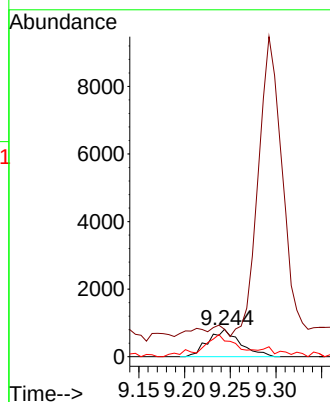
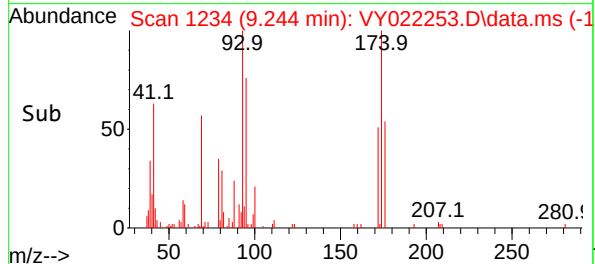
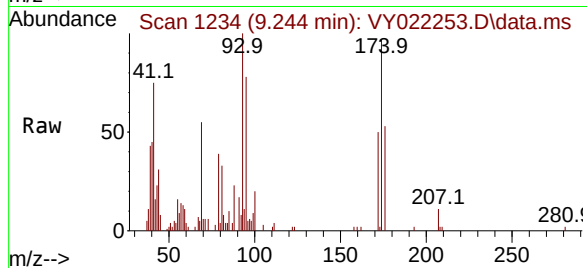
88 100

43 0.0 28.5 42.7

58 79.8 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#50

Toluene-d8

Concen: 5.006 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022253.D

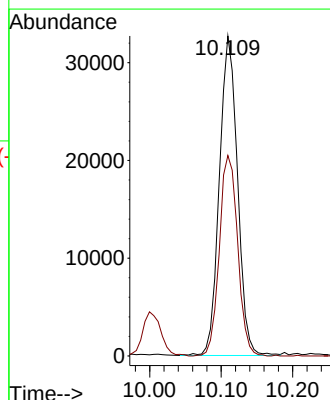
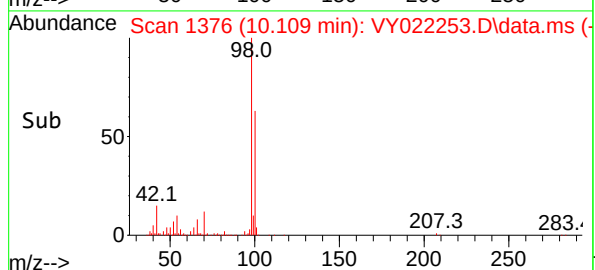
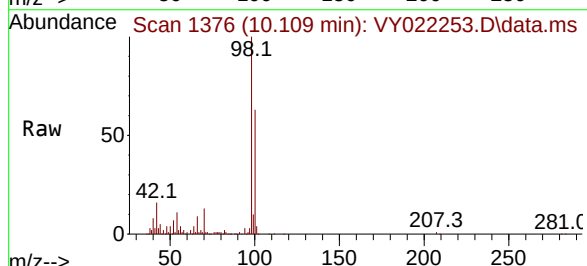
Acq: 15 May 2025 09:46

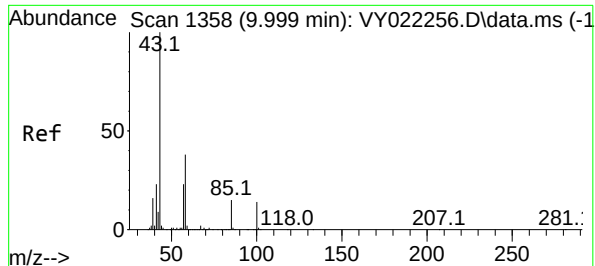
Tgt Ion: 98 Resp: 57575

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.8





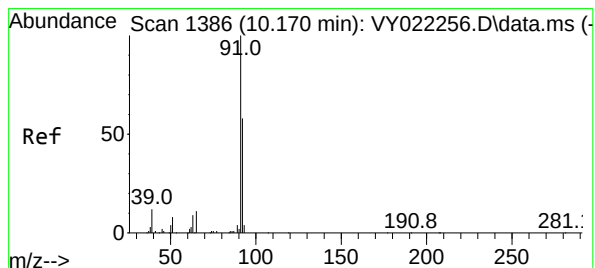
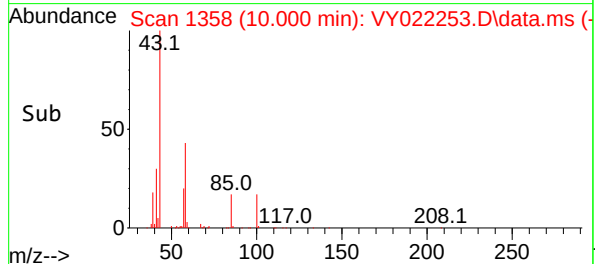
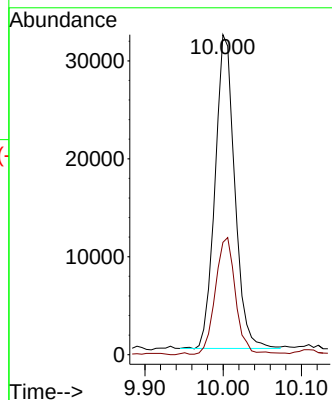
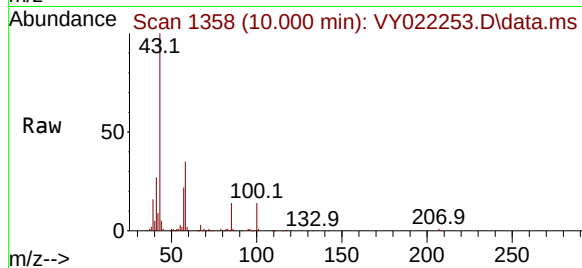
#51
4-Methyl-2-Pentanone
Concen: 23.464 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 55880
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.2

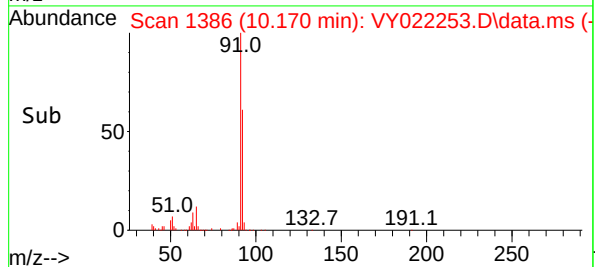
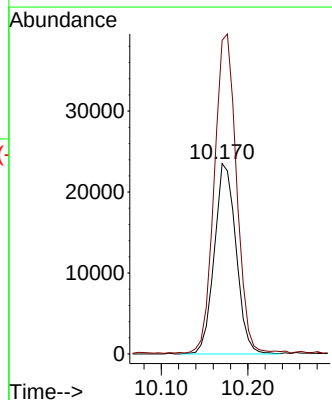
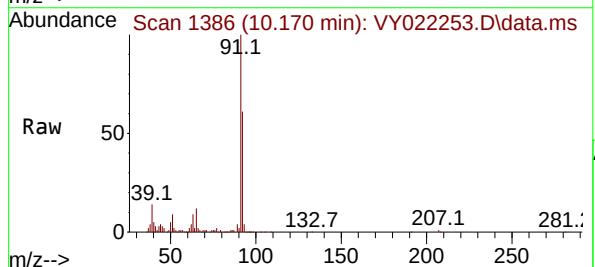
Manual Integrations
APPROVED

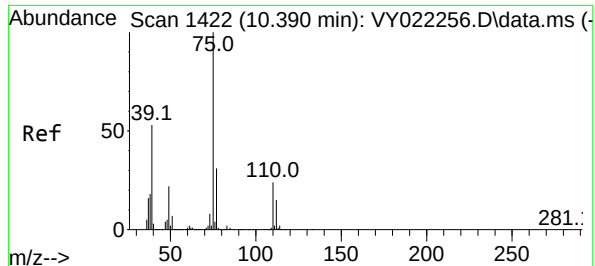
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 4.722 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

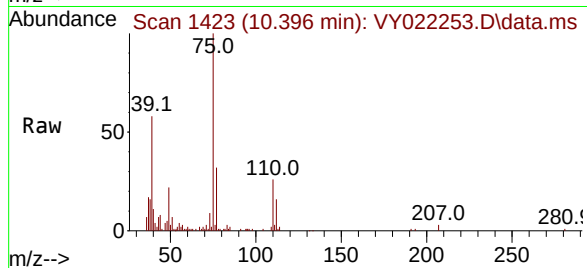
Tgt Ion: 92 Resp: 41001
Ion Ratio Lower Upper
92 100
91 171.8 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 4.839 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

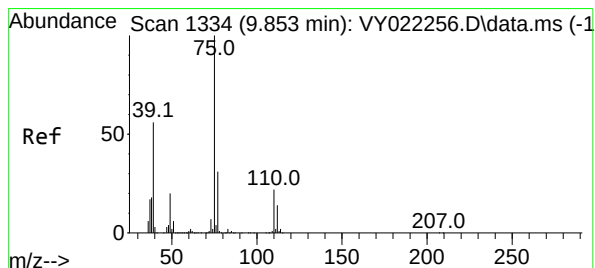
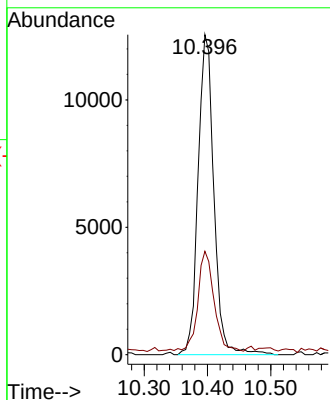
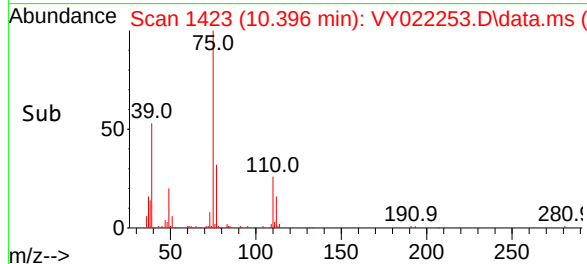
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



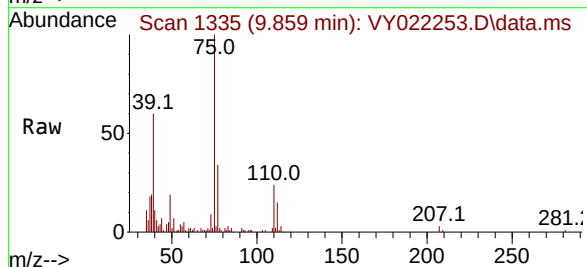
Tgt Ion: 75 Resp: 2184
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6

Manual Integrations
APPROVED

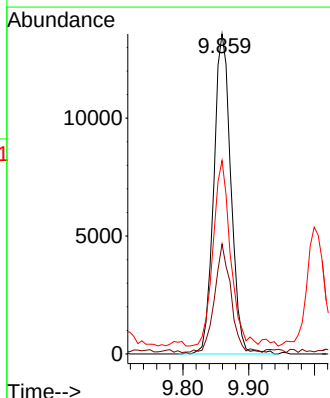
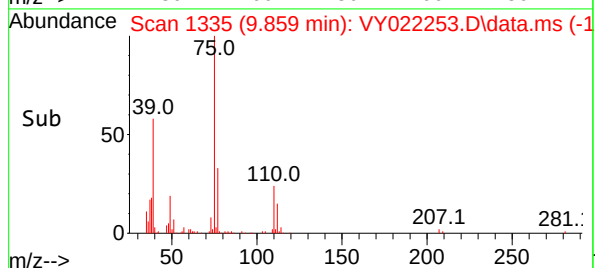
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

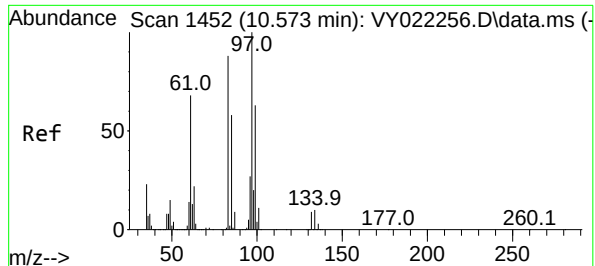


#54
cis-1,3-Dichloropropene
Concen: 4.758 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



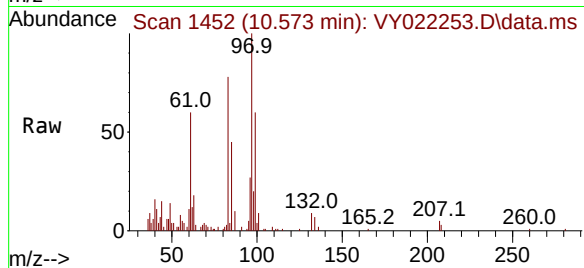
Tgt Ion: 75 Resp: 24609
Ion Ratio Lower Upper
75 100
77 33.3 25.1 37.7
39 58.0 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 4.964 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

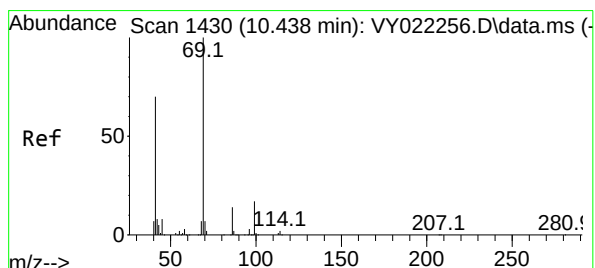
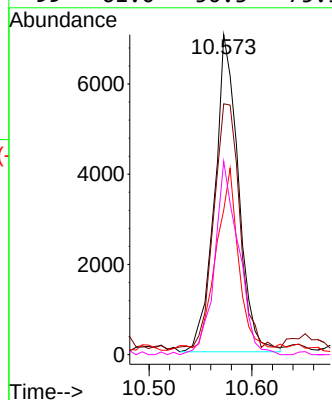
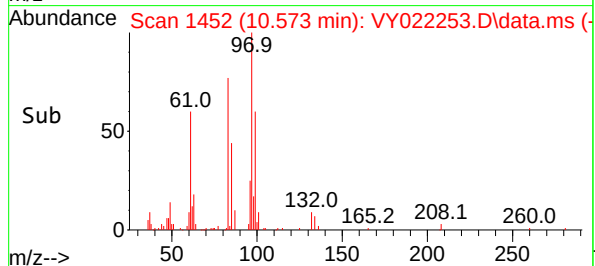
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



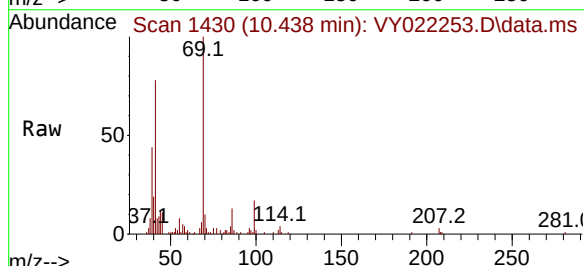
Tgt Ion: 97 Resp: 1133
Ion Ratio Lower Upper
97 100
83 77.0 70.3 105.5
85 42.7 46.2 69.4
99 61.0 50.3 75.5

Manual Integrations
APPROVED

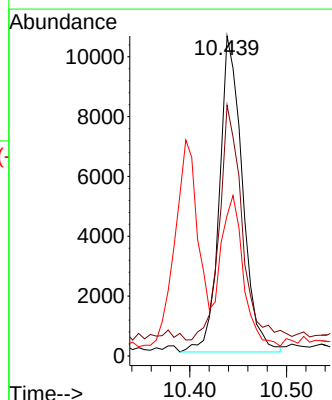
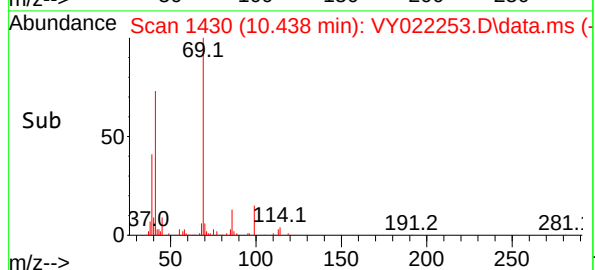
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

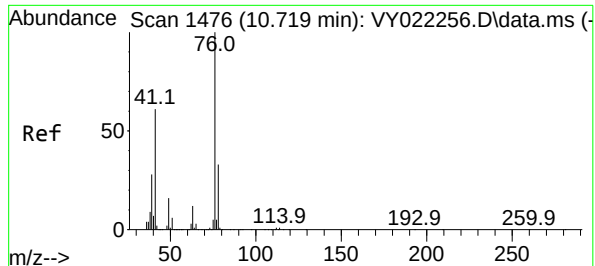


#56
Ethyl methacrylate
Concen: 4.898 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



Tgt Ion: 69 Resp: 17420
Ion Ratio Lower Upper
69 100
41 73.2 56.5 84.7
39 46.8 37.1 55.7





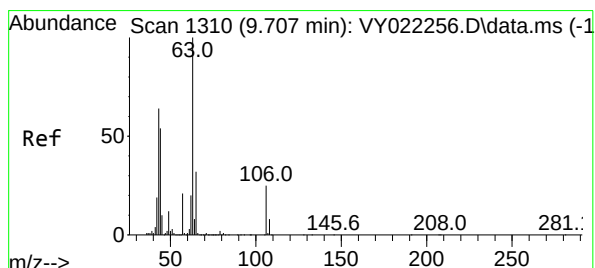
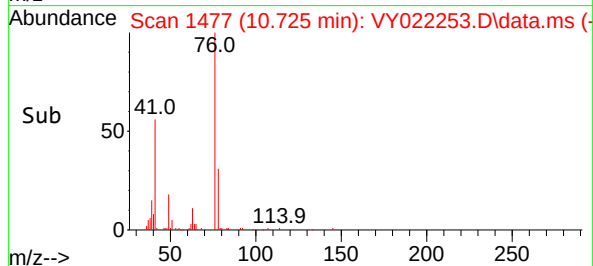
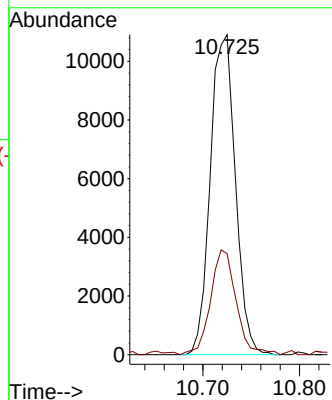
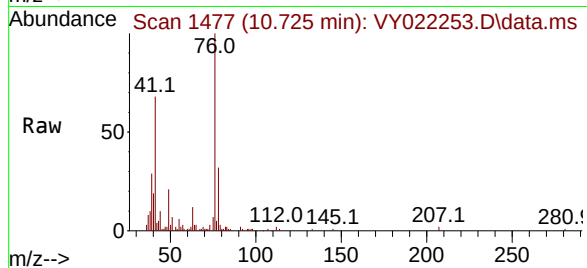
#57
1,3-Dichloropropane
Concen: 4.852 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 19684
Ion Ratio Lower Upper
76 100
78 33.2 25.8 38.8

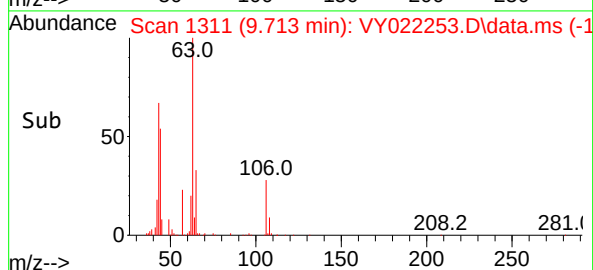
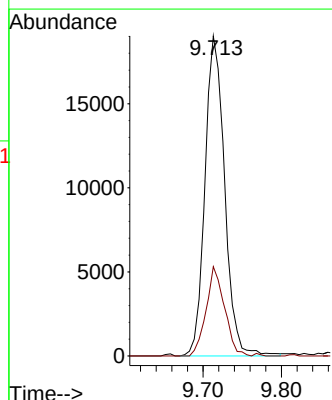
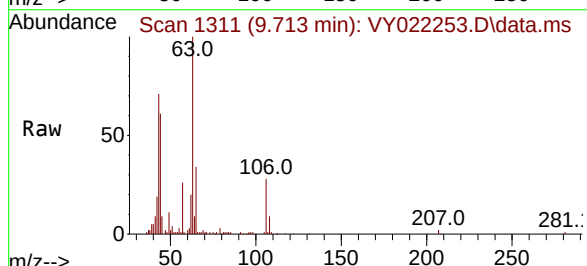
Manual Integrations
APPROVED

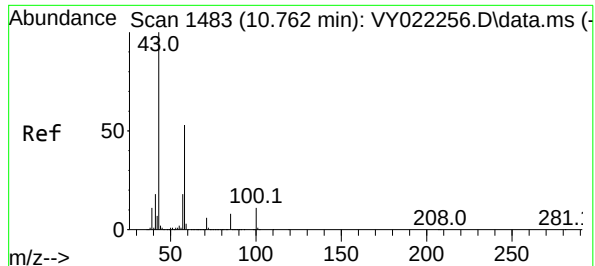
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#58
2-Chloroethyl Vinyl ether
Concen: 20.807 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

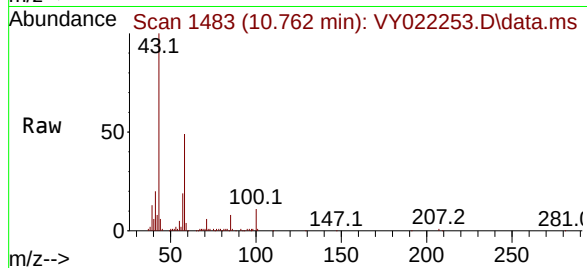
Tgt Ion: 63 Resp: 33215
Ion Ratio Lower Upper
63 100
106 26.0 21.0 31.4





#59
2-Hexanone
Concen: 24.617 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

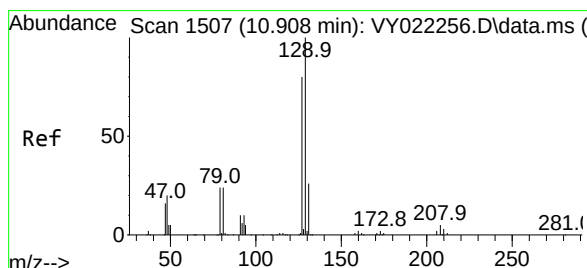
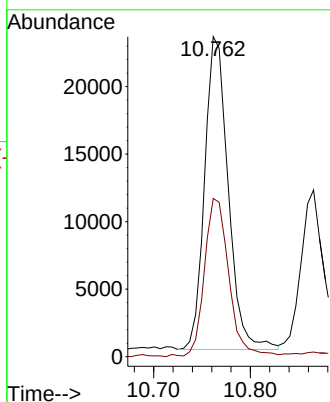
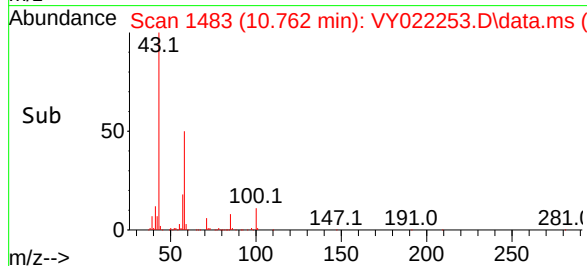
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 3930
Ion Ratio Lower Upper
43 100
58 52.4 26.1 78.3

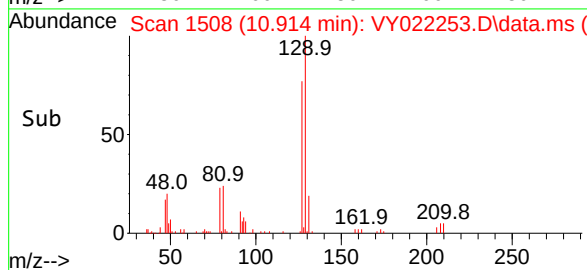
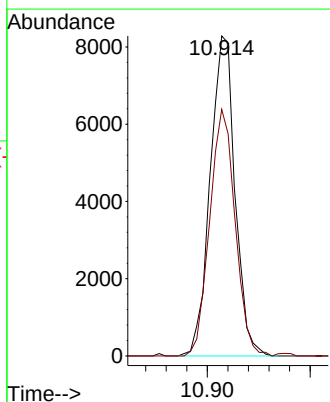
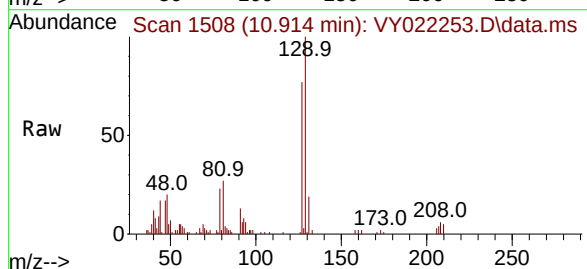
Manual Integrations
APPROVED

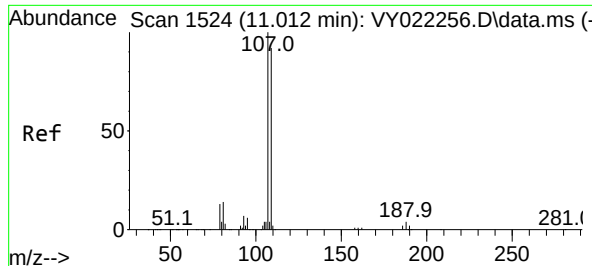
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

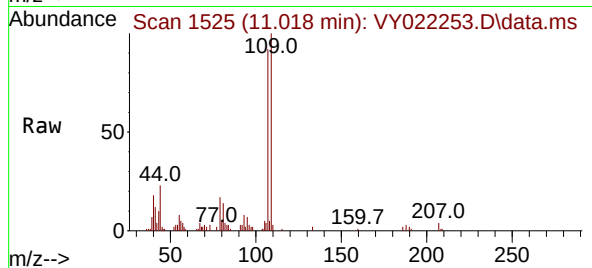
Tgt Ion:129 Resp: 13908
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.7





#61
1,2-Dibromoethane
Concen: 4.883 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

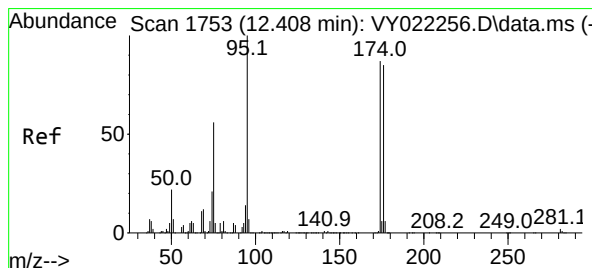
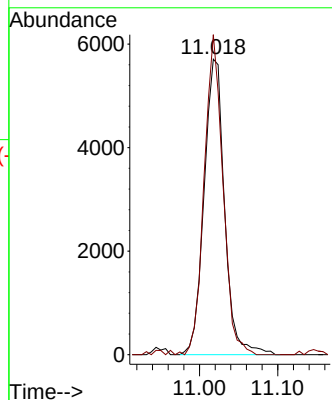
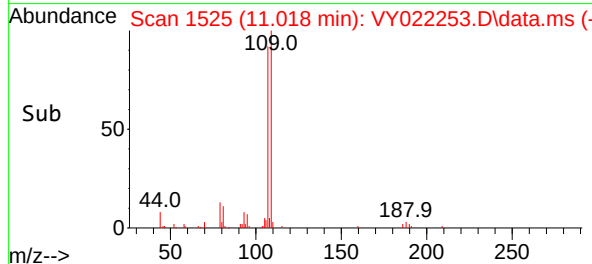
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 1039
Ion Ratio Lower Upper
107 100
109 98.9 74.6 111.8

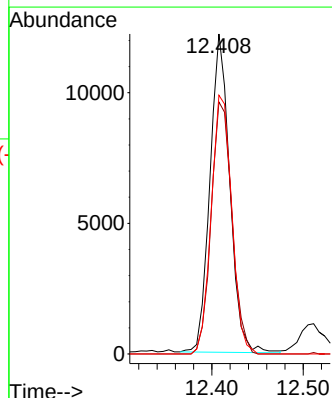
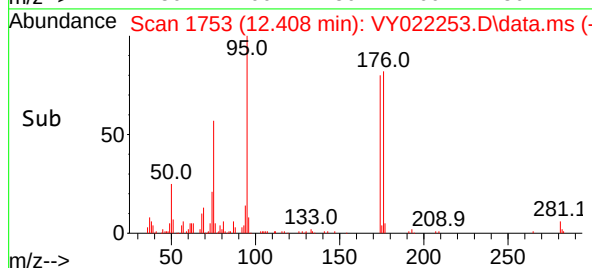
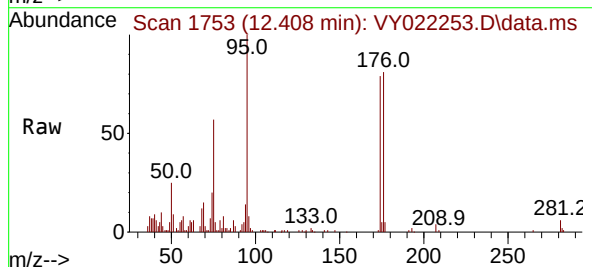
Manual Integrations
APPROVED

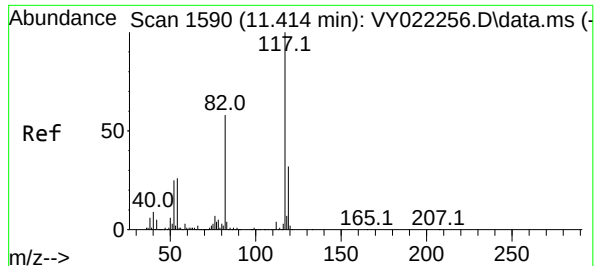
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 5.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

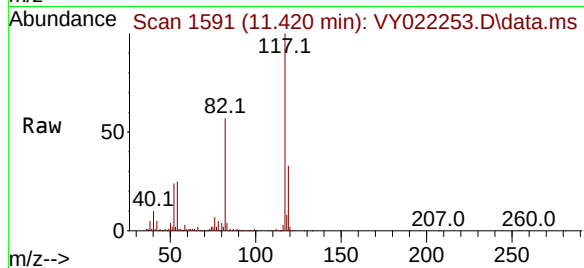
Tgt Ion: 95 Resp: 18328
Ion Ratio Lower Upper
95 100
174 83.0 0.0 166.8
176 84.3 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

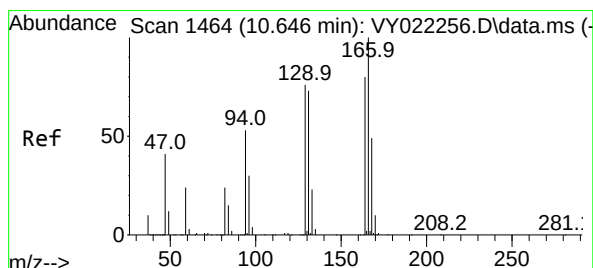
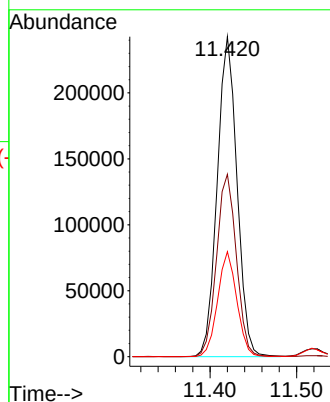
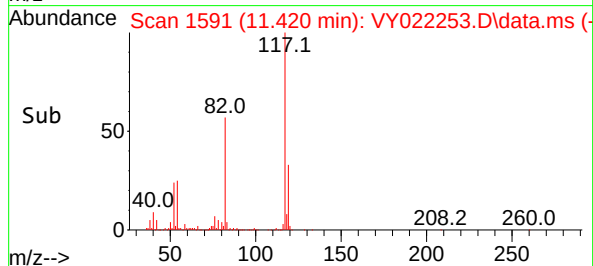
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



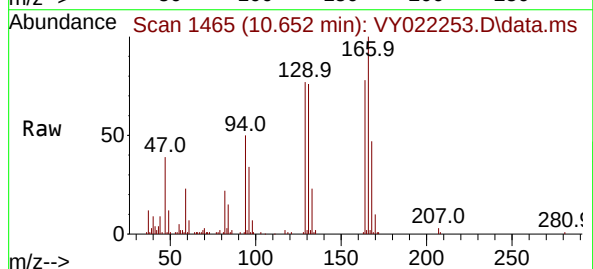
Tgt Ion:117 Resp: 385399
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 32.8 25.8 38.6

Manual Integrations
APPROVED

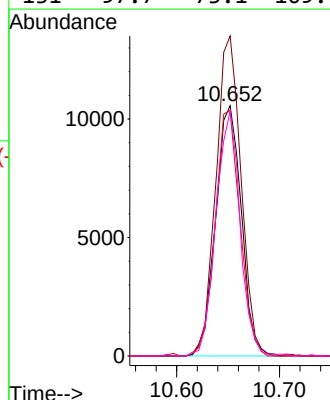
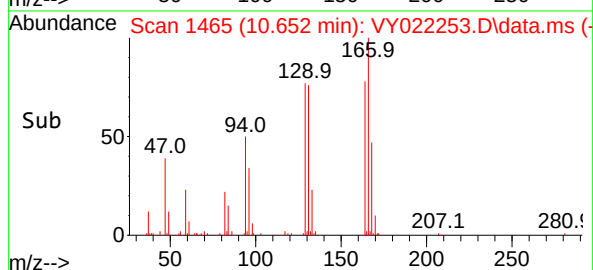
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

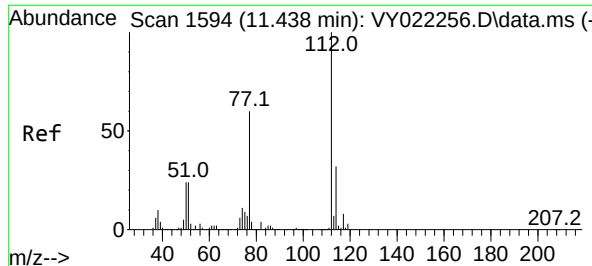


#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



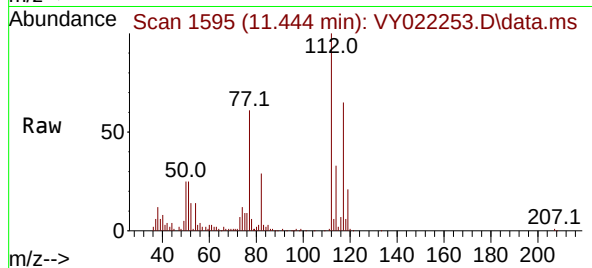
Tgt Ion:164 Resp: 18255
Ion Ratio Lower Upper
164 100
166 127.8 100.4 150.6
129 98.1 76.4 114.6
131 97.7 73.1 109.7





#65
Chlorobenzene
Concen: 4.927 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

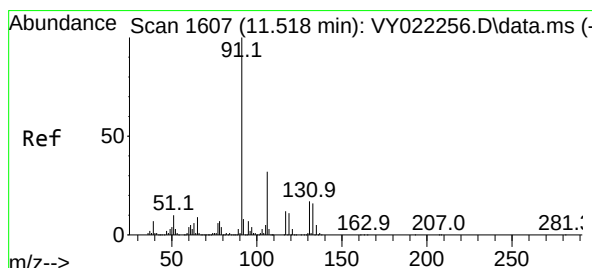
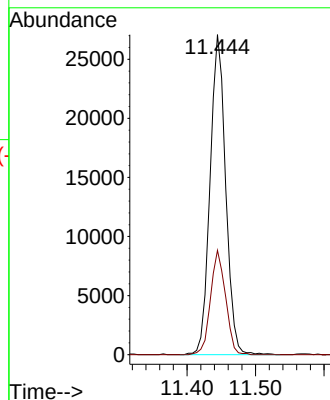
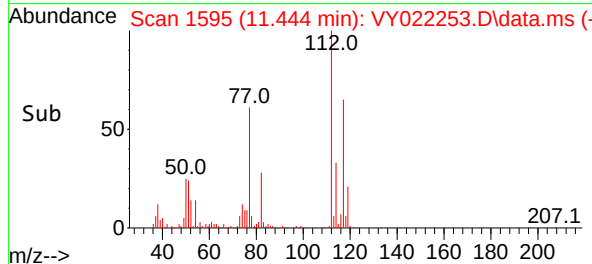
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:112 Resp: 42844
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

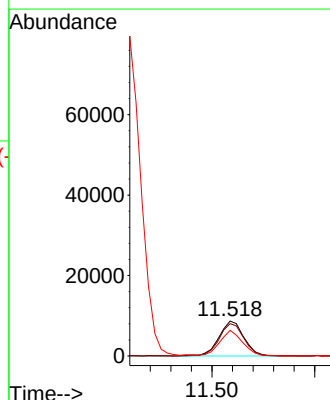
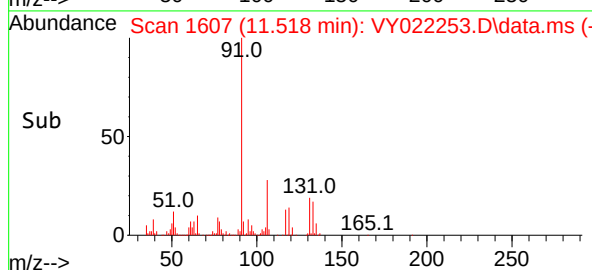
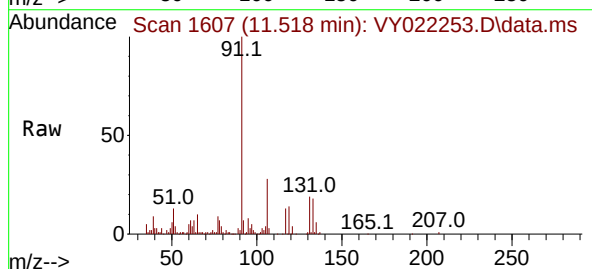
Manual Integrations
APPROVED

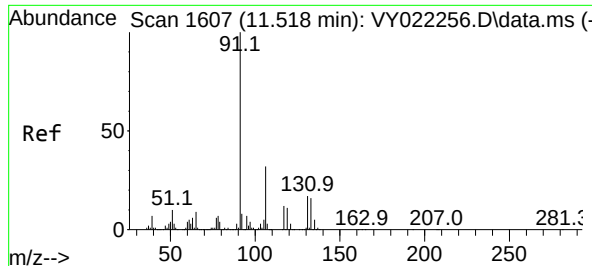
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.812 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

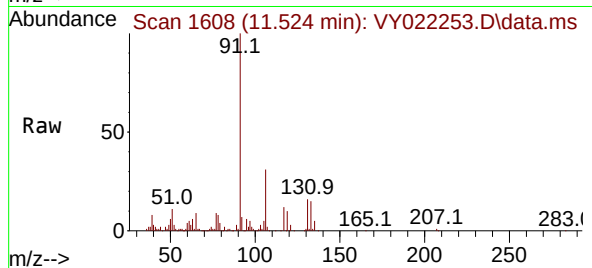
Tgt Ion:131 Resp: 14385
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 68.6 33.1 99.2





#67
Ethyl Benzene
Concen: 4.766 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

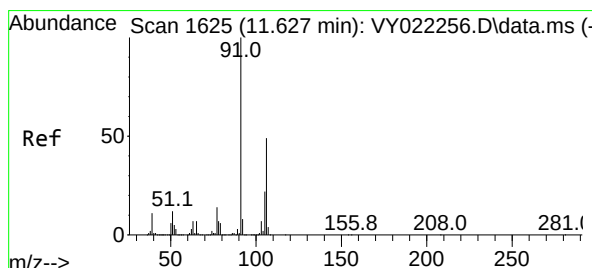
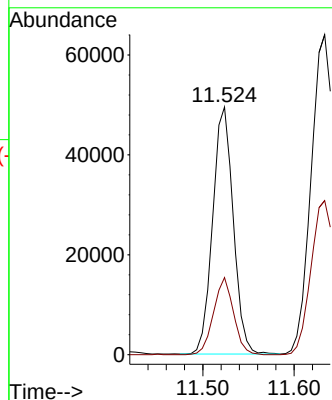
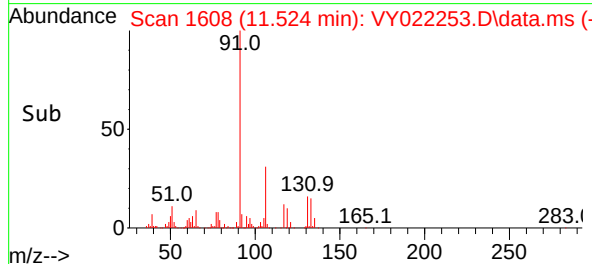
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



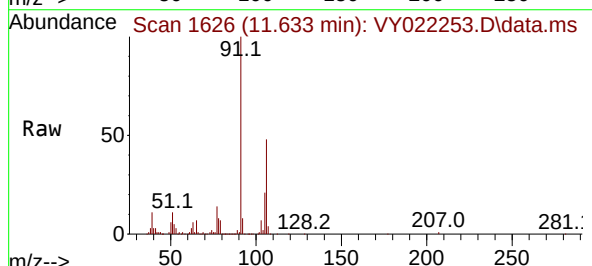
Tgt Ion: 91 Resp: 77600
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

Manual Integrations
APPROVED

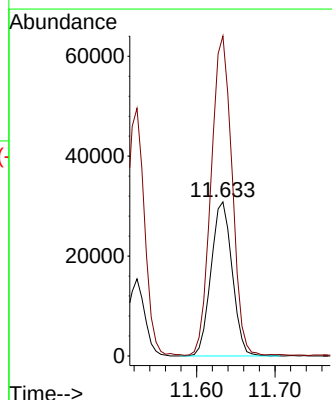
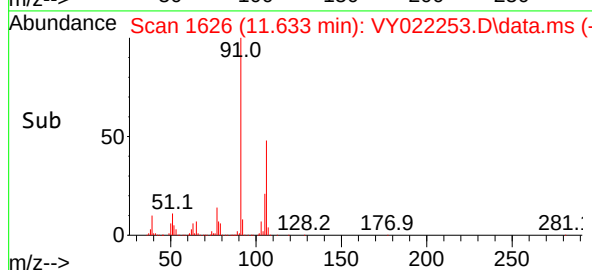
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

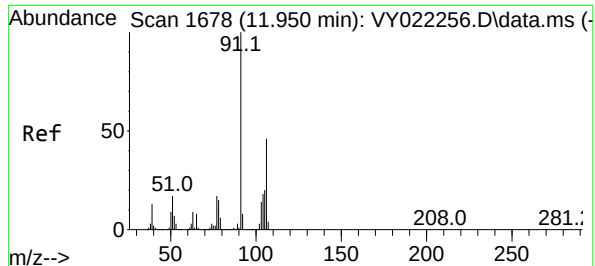


#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



Tgt Ion:106 Resp: 57721
Ion Ratio Lower Upper
106 100
91 205.0 163.0 244.4





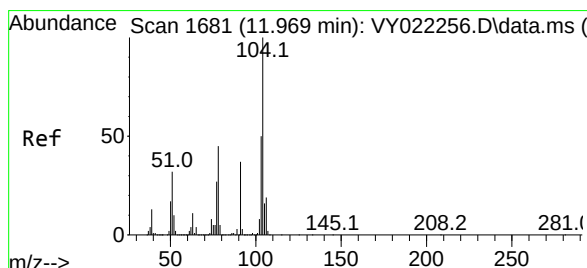
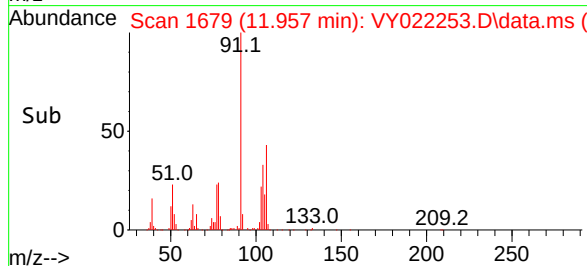
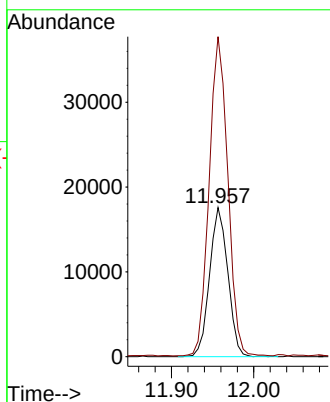
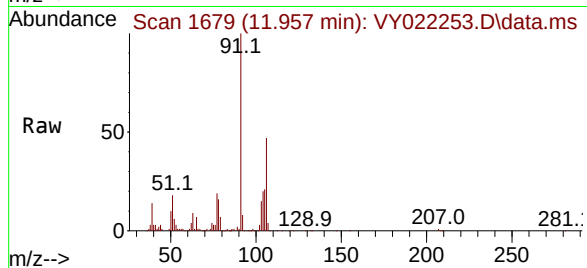
#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 27130
Ion Ratio Lower Upper
106 100
91 218.6 108.3 324.8

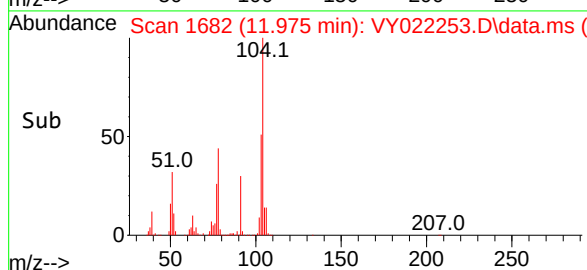
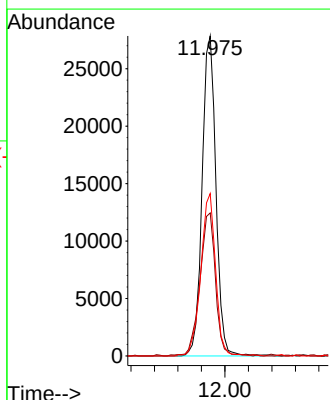
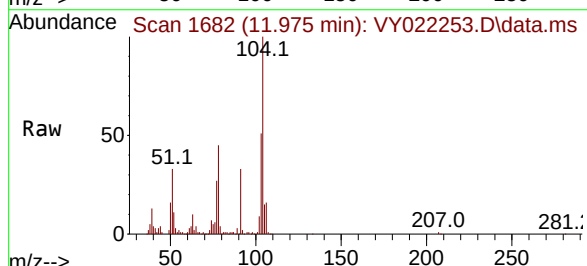
Manual Integrations
APPROVED

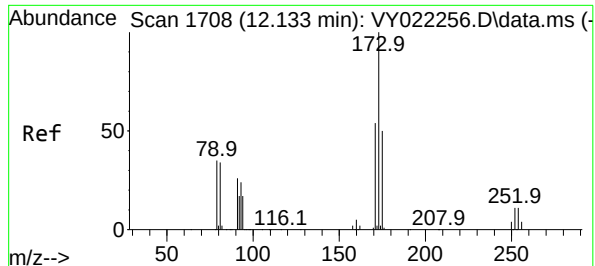
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 4.652 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

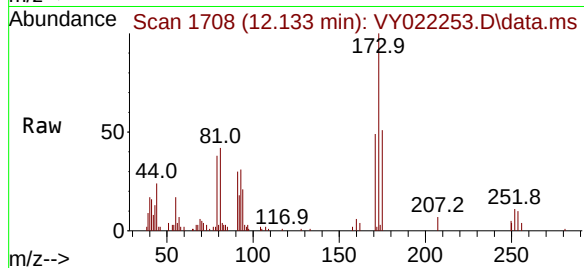
Tgt Ion:104 Resp: 45556
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 54.2 43.7 65.5





#71
Bromoform
Concen: 4.834 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

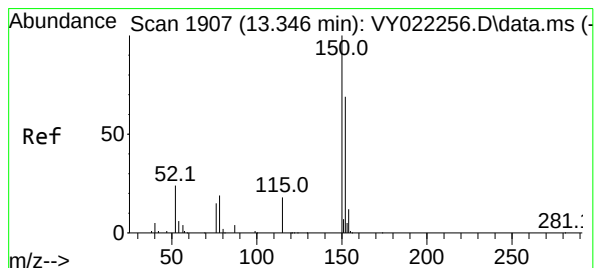
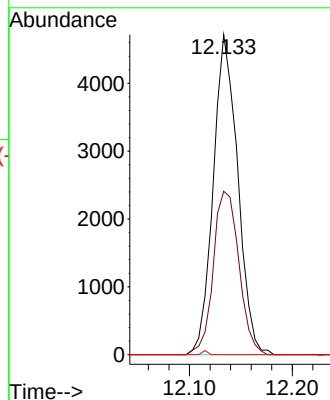
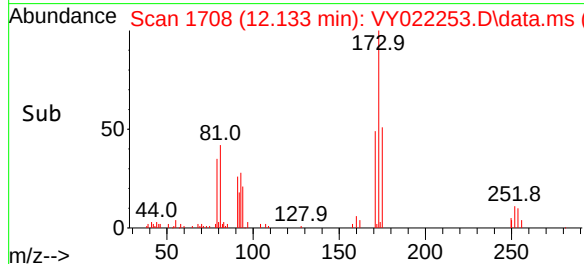
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



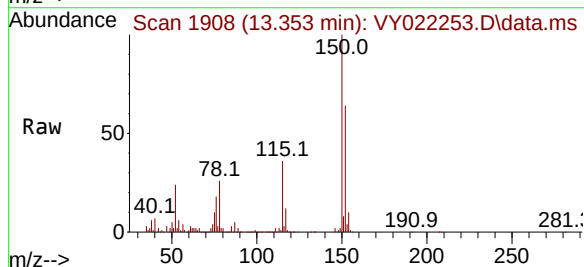
Tgt Ion:173 Resp: 7799
Ion Ratio Lower Upper
173 100
175 53.5 24.7 74.1
254 0.3 0.0 0.0

Manual Integrations
APPROVED

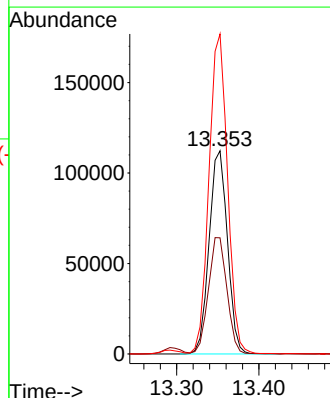
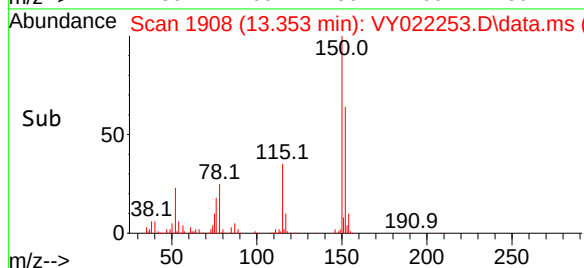
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

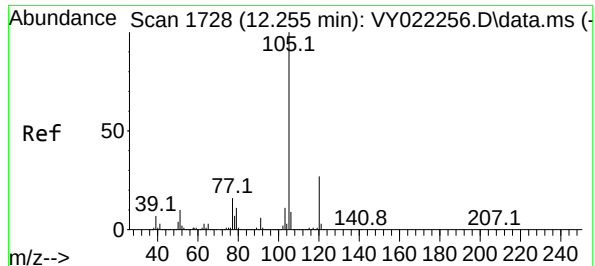


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



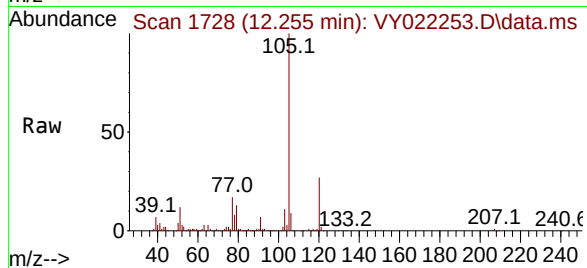
Tgt Ion:152 Resp: 174003
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.2
150 158.8 0.0 353.8





#73
Isopropylbenzene
Concen: 5.017 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

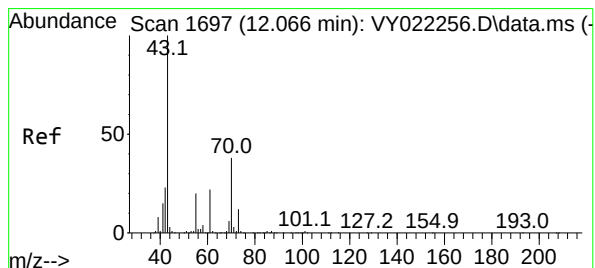
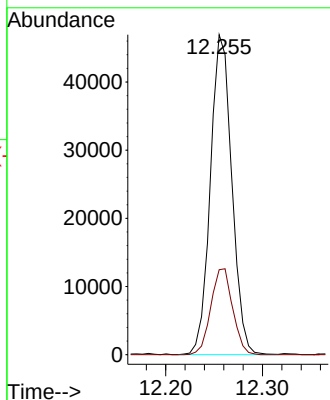
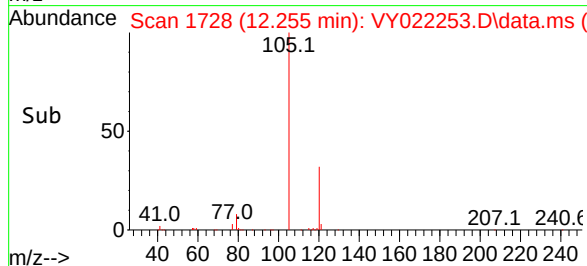
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



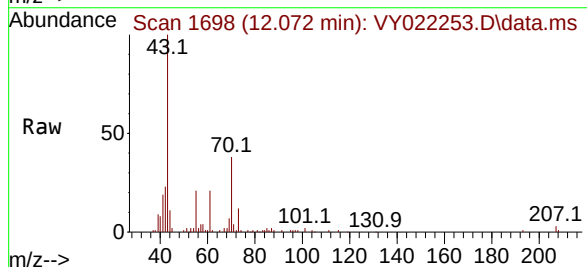
Tgt Ion:105 Resp: 72325
Ion Ratio Lower Upper
105 100
120 27.3 13.2 39.6

Manual Integrations
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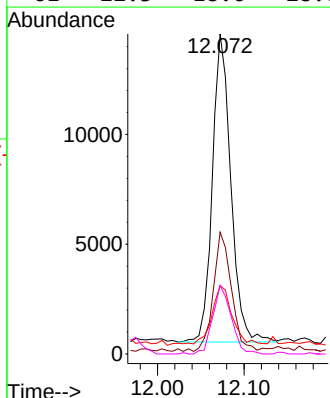
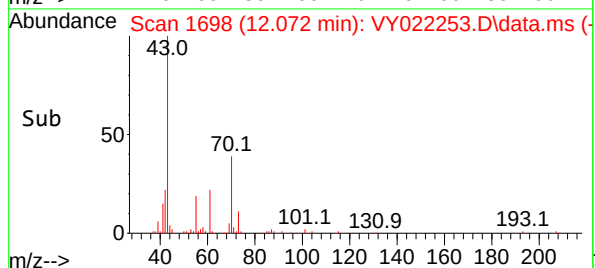
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

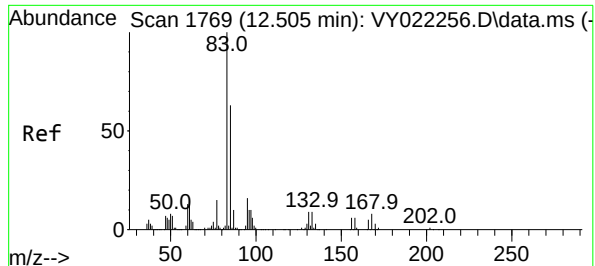


#74
N-ethyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



Tgt Ion: 43 Resp: 20793
Ion Ratio Lower Upper
43 100
70 37.9 31.4 47.0
55 19.9 17.0 25.6
61 22.3 18.6 28.0





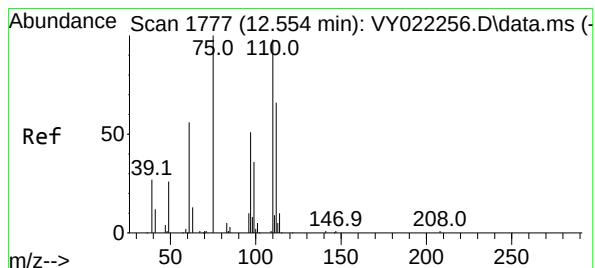
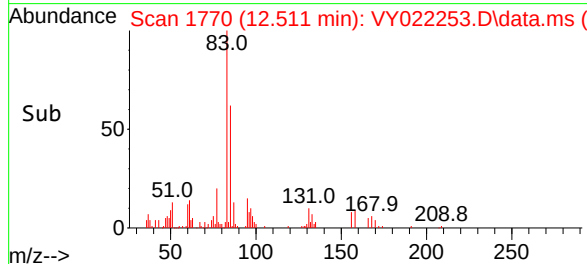
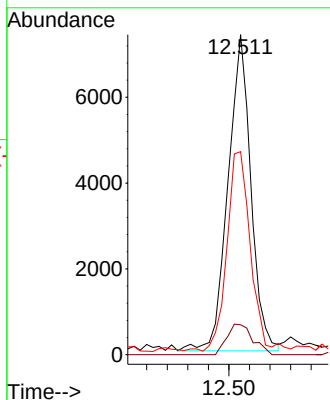
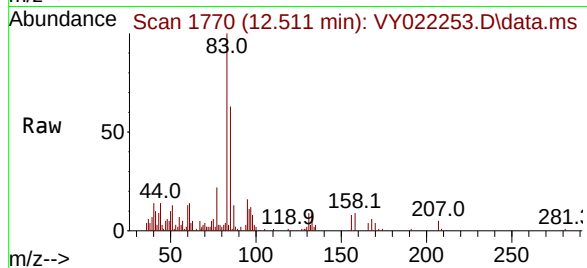
#75
1,1,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:	83	Resp:	1142
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.9	14.7
85	63.6	32.0	96.0

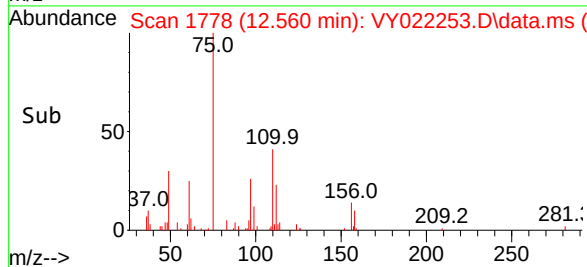
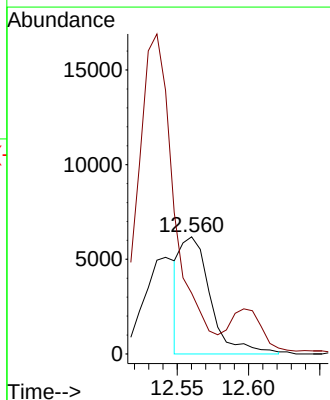
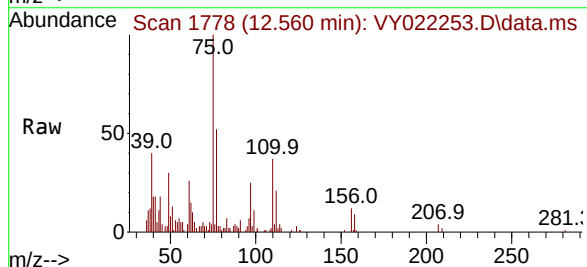
Manual Integrations
APPROVED

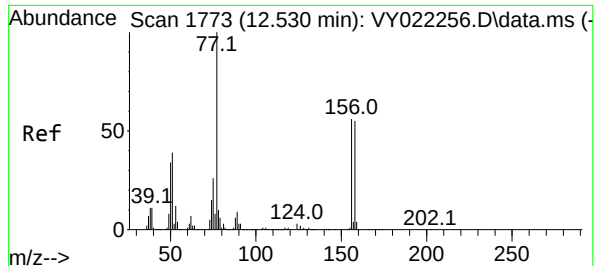
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 2.960 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:	75	Resp:	9076
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.015 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

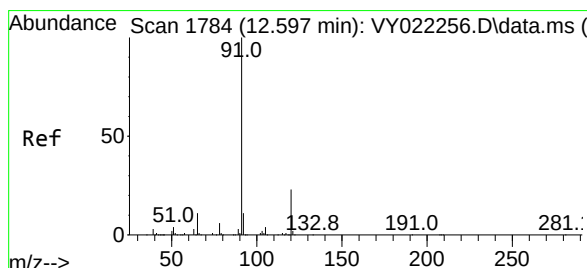
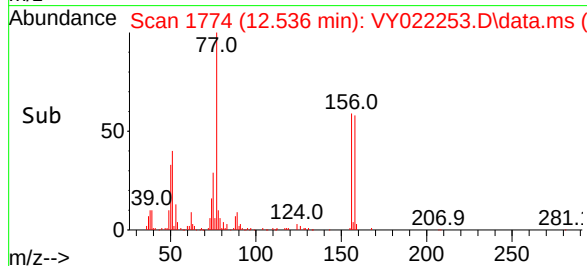
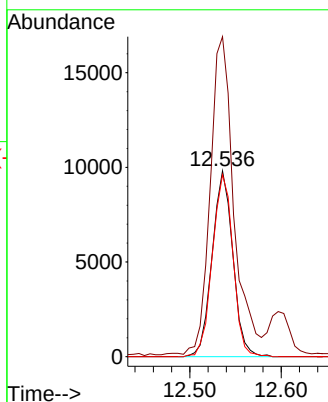
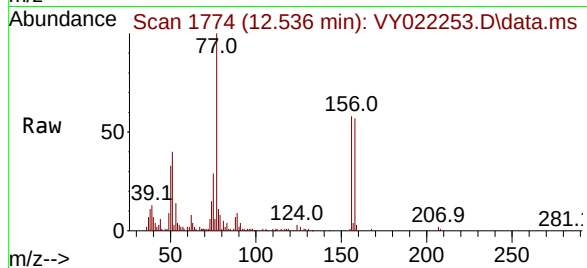
VSTDIC005

Tgt Ion:	156	Resp:	1544
Ion Ratio	Lower	Upper	
156	100		
77	195.0	94.5	283.6
158	97.7	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78

n-propylbenzene

Concen: 5.034 ug/l

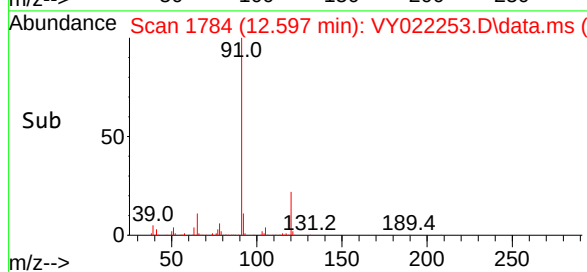
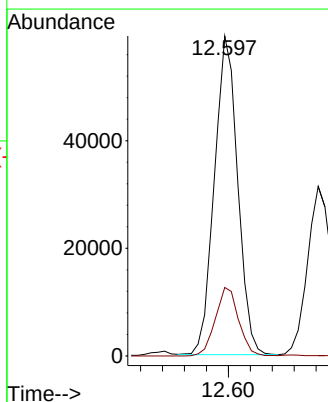
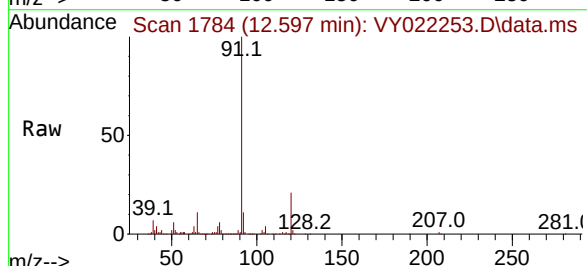
RT: 12.597 min Scan# 1784

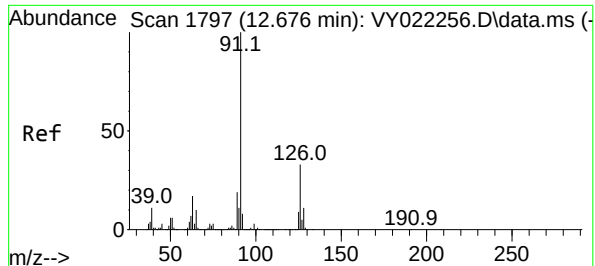
Delta R.T. 0.000 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

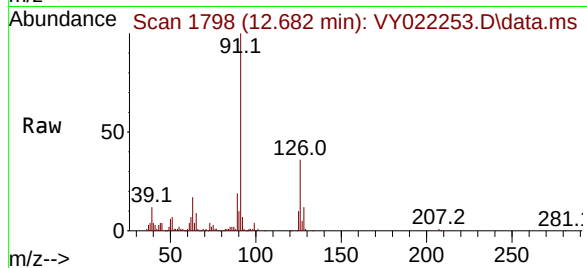
Tgt Ion:	91	Resp:	87533
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.1	33.3





#79
2-Chlorotoluene
Concen: 4.944 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

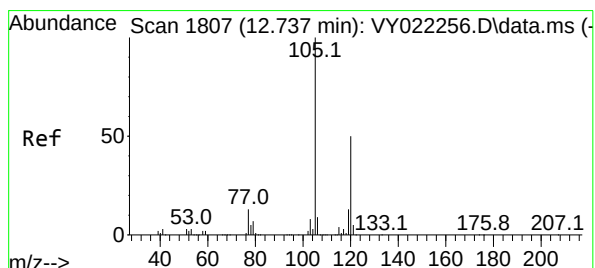
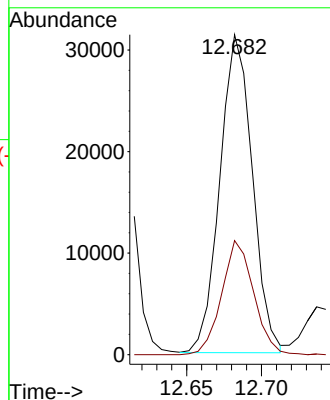
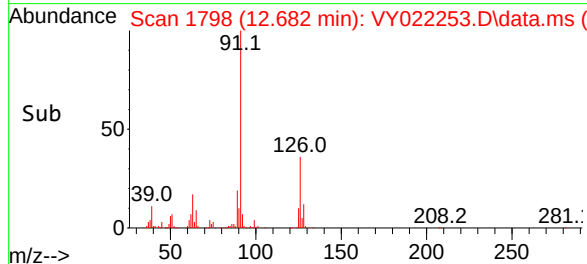
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 91 Resp: 47249
Ion Ratio Lower Upper
91 100
126 35.4 16.8 50.4

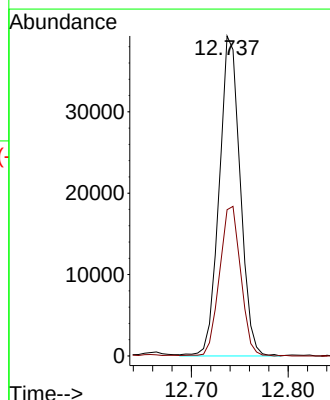
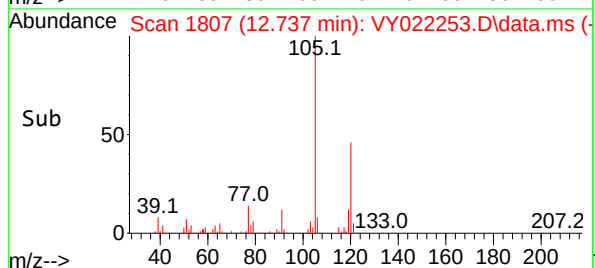
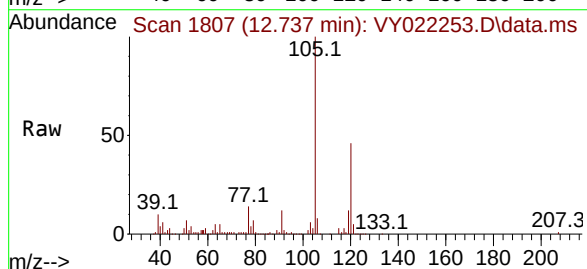
Manual Integrations
APPROVED

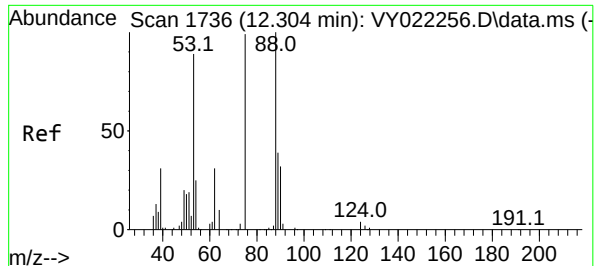
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 5.073 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

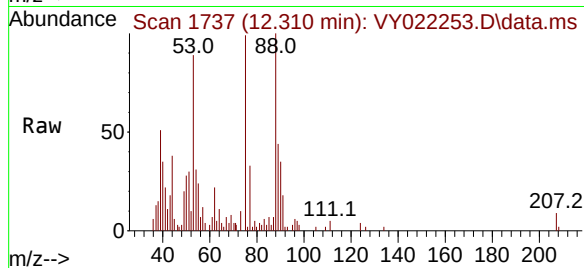
Tgt Ion:105 Resp: 59031
Ion Ratio Lower Upper
105 100
120 47.3 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 5.373 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

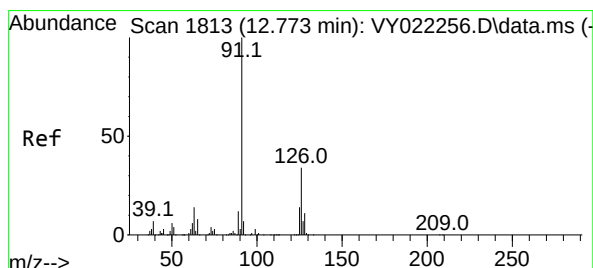
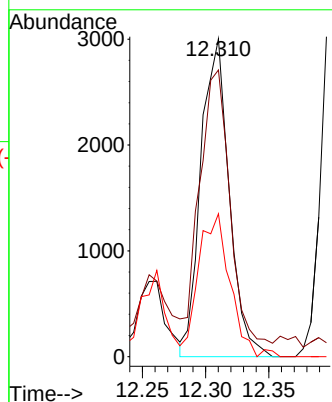
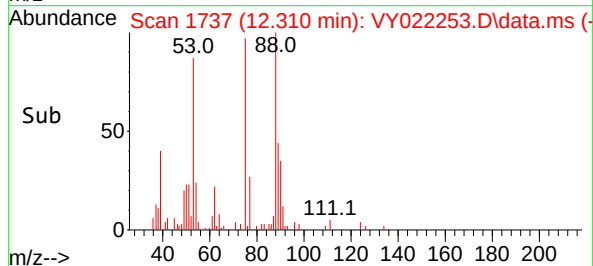
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 4670
Ion Ratio Lower Upper
75 100
53 93.6 75.8 113.8
89 50.0 36.2 54.2

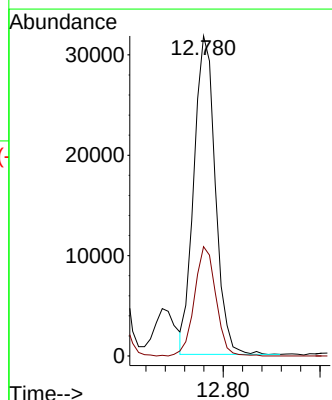
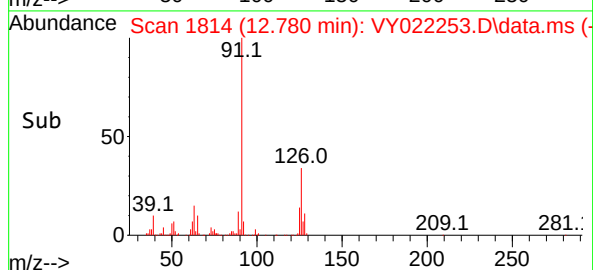
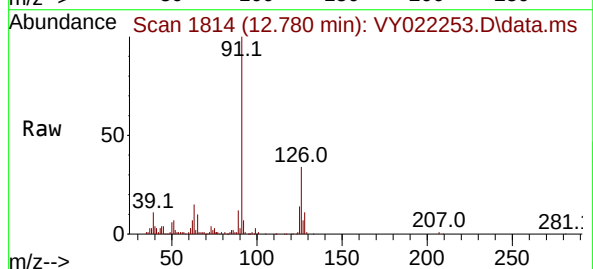
Manual Integrations
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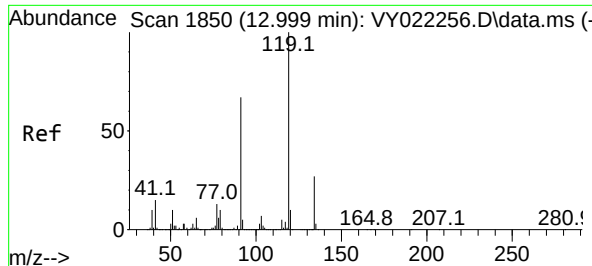
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 4.959 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

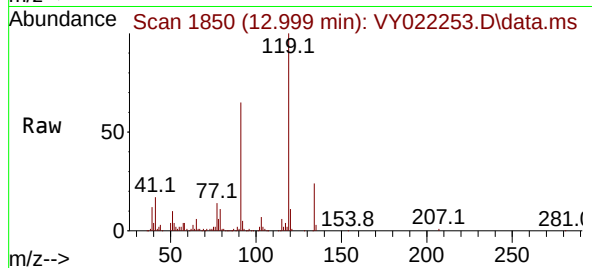
Tgt Ion: 91 Resp: 48737
Ion Ratio Lower Upper
91 100
126 34.5 16.8 50.4





#83
tert-Butylbenzene
Concen: 5.109 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

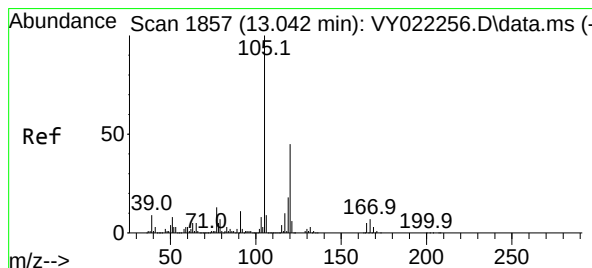
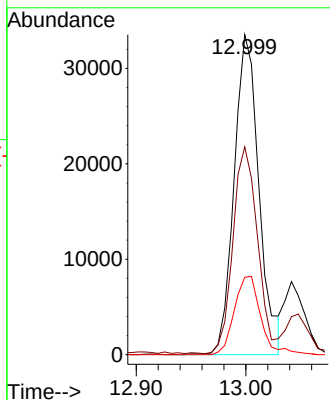
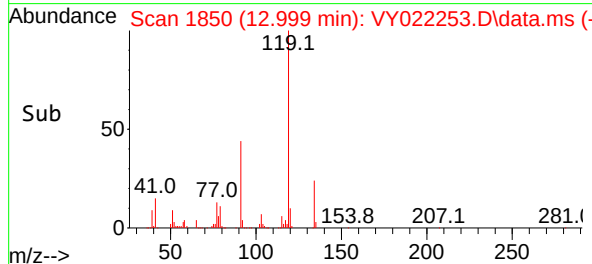
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:119 Resp: 5284
Ion Ratio Lower Upper
119 100
91 64.1 32.8 98.3
134 26.0 12.9 38.6

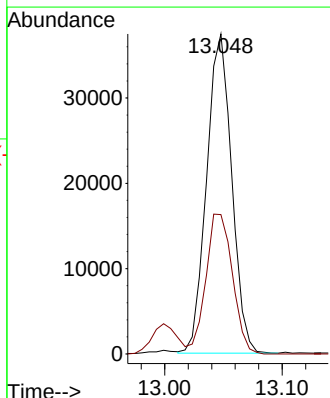
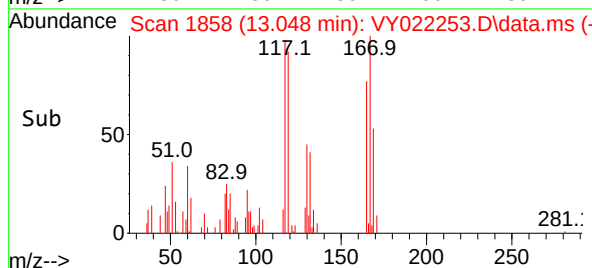
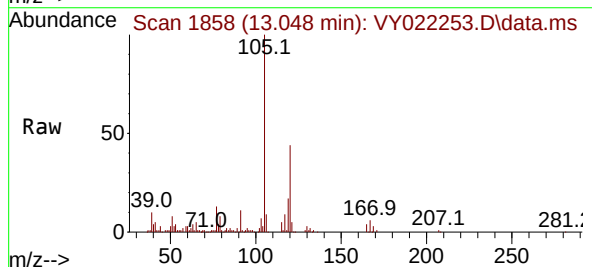
Manual Integrations
APPROVED

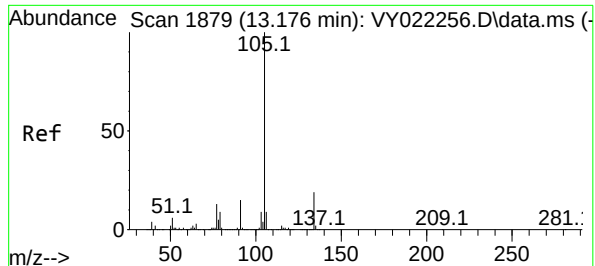
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.804 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

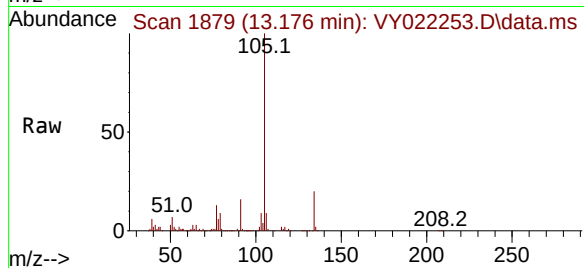
Tgt Ion:105 Resp: 55488
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.9





#85
sec-Butylbenzene
Concen: 4.975 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

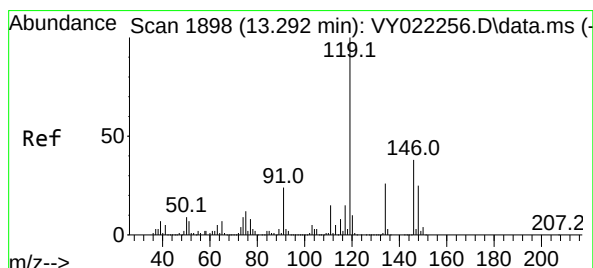
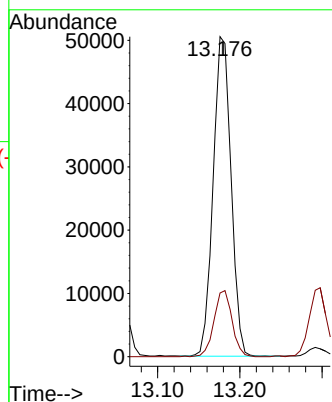
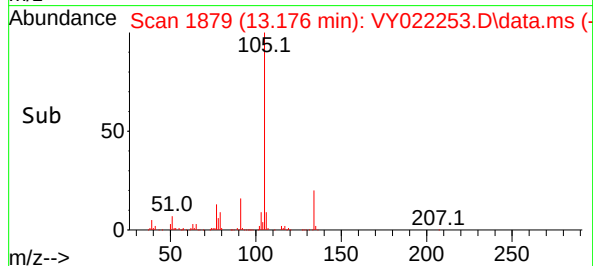
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:105 Resp: 76384
Ion Ratio Lower Upper
105 100
134 20.9 9.8 29.5

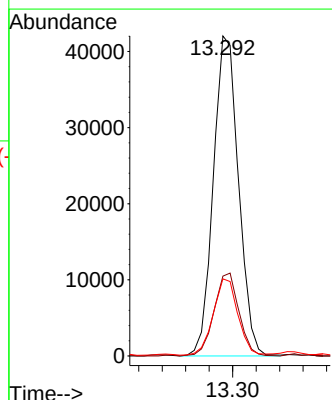
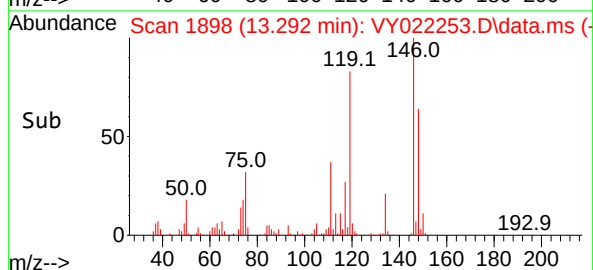
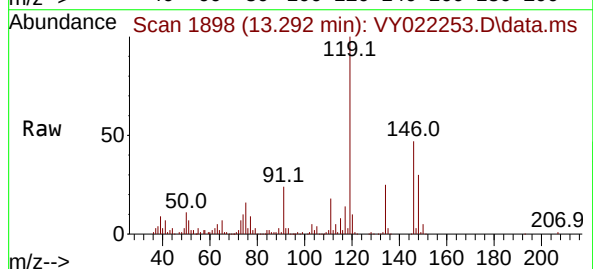
Manual Integrations
APPROVED

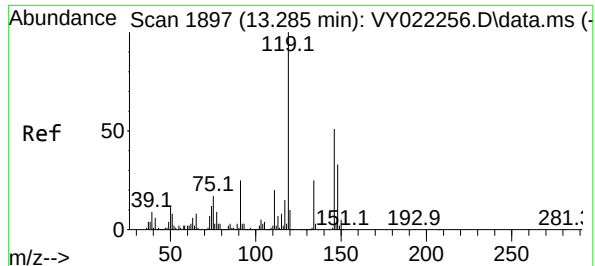
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#86
p-Isopropyltoluene
Concen: 4.849 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

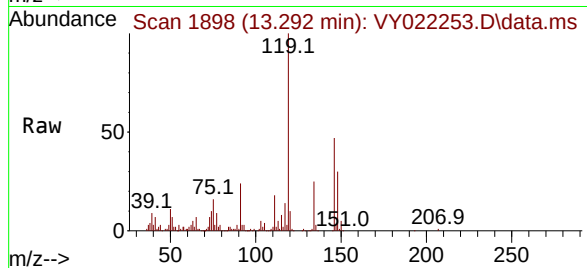
Tgt Ion:119 Resp: 62608
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.6
91 23.2 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 4.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

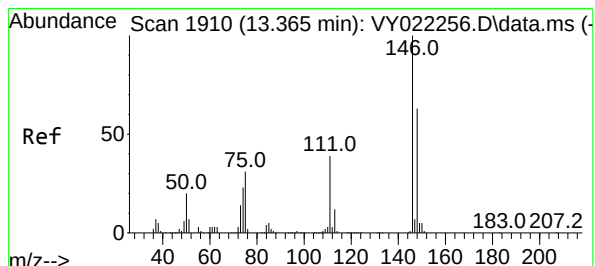
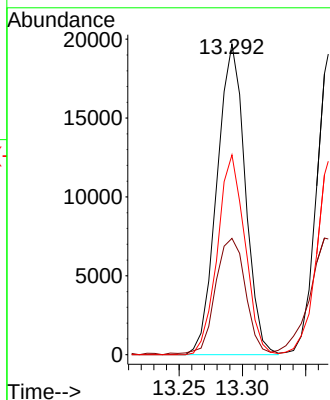
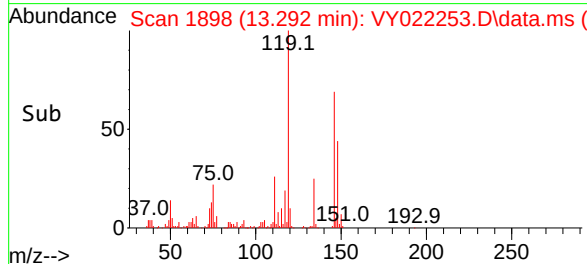
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



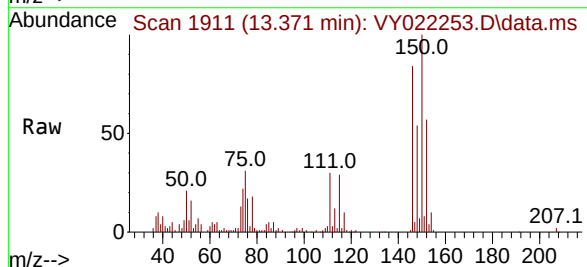
Tgt Ion:146 Resp: 3056
Ion Ratio Lower Upper
146 100
111 39.9 19.9 59.7
148 62.5 31.9 95.7

Manual Integrations
APPROVED

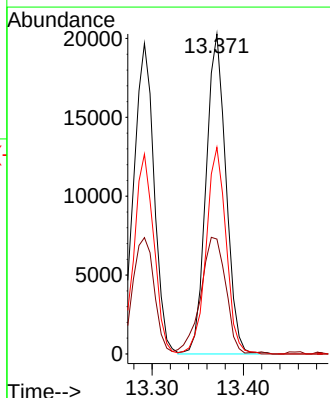
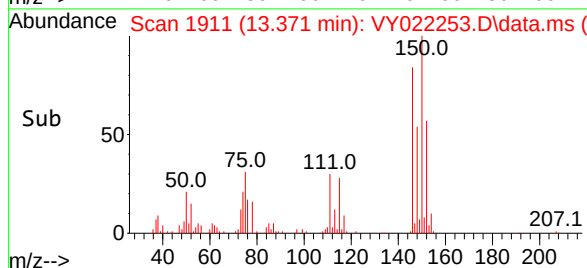
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

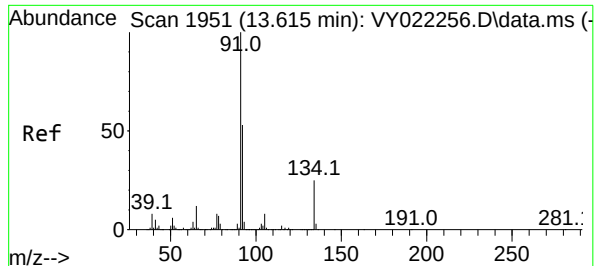


#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



Tgt Ion:146 Resp: 30610
Ion Ratio Lower Upper
146 100
111 45.2 20.0 59.9
148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 4.869 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

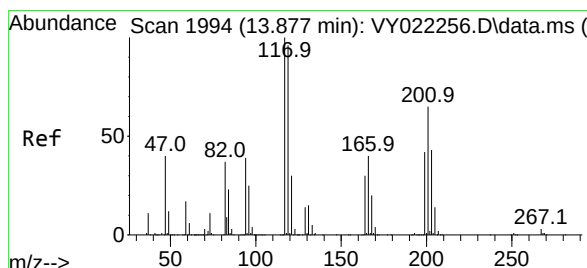
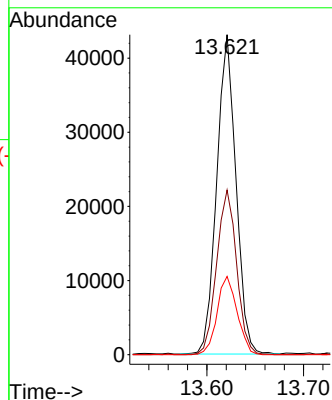
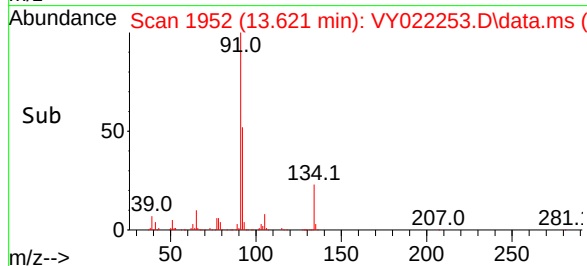
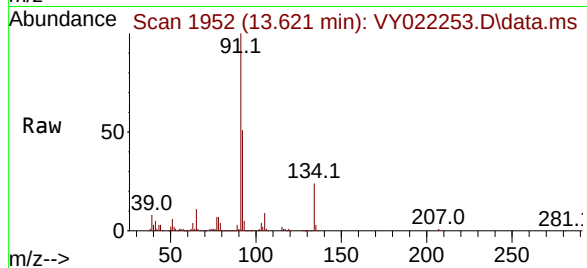
VSTDIC005

Tgt Ion:	91	Resp:	5948
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.6	12.4	37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#90

Hexachloroethane

Concen: 5.158 ug/l

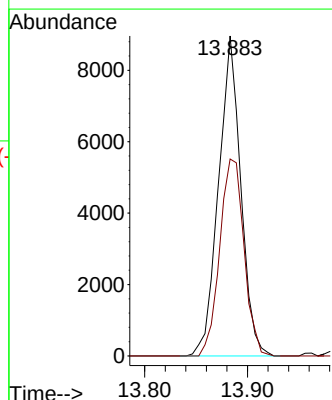
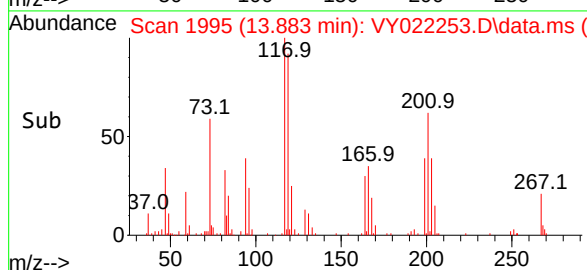
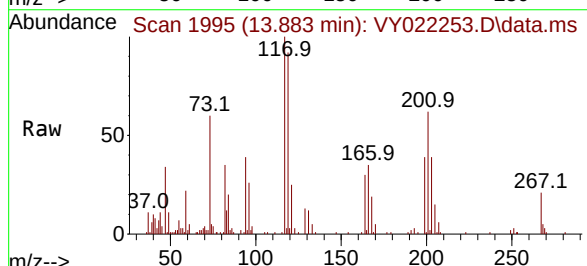
RT: 13.883 min Scan# 1995

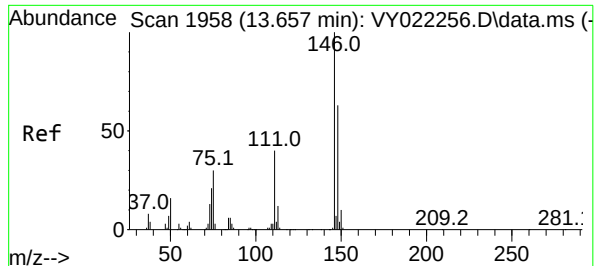
Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

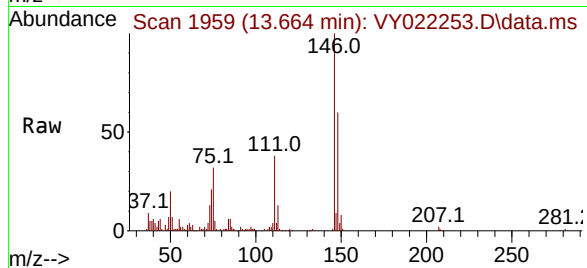
Tgt Ion:	117	Resp:	13445
Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 5.030 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

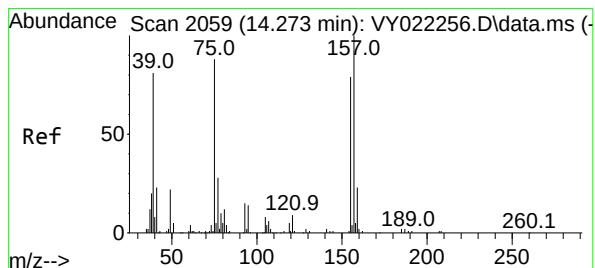
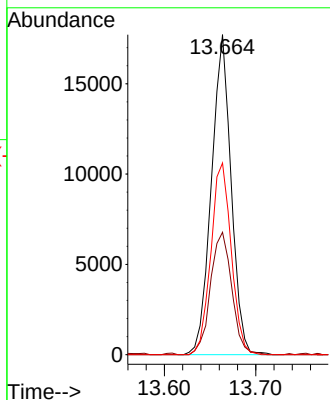
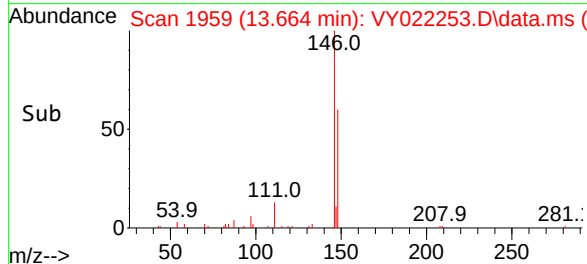
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 146 Resp: 26550
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.5
148 61.8 32.0 96.0

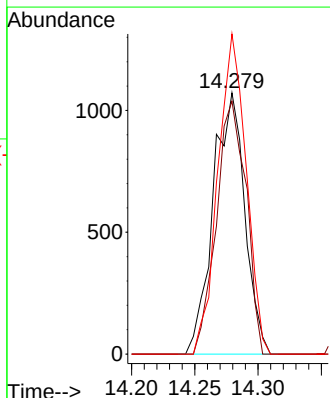
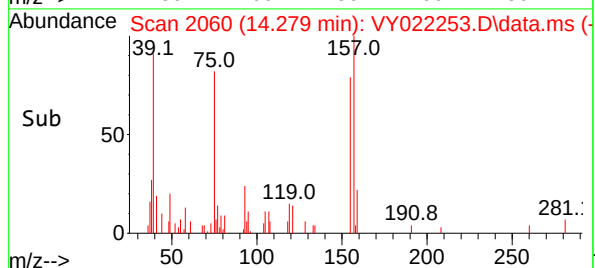
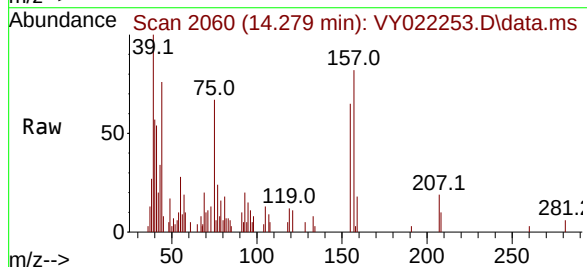
Manual Integrations
APPROVED

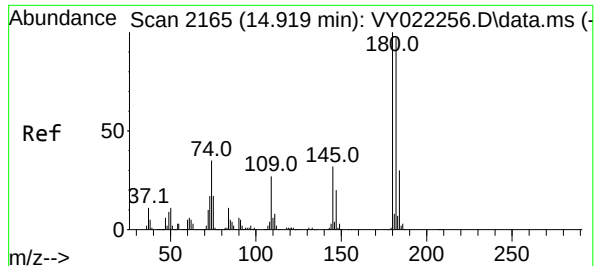
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.217 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 1865
Ion Ratio Lower Upper
75 100
155 90.8 43.4 130.1
157 109.4 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 4.906 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:180 Resp: 1496

Ion Ratio Lower Upper

180 100

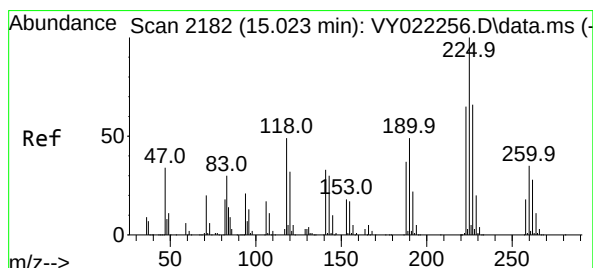
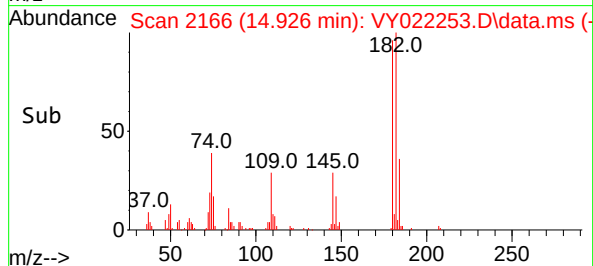
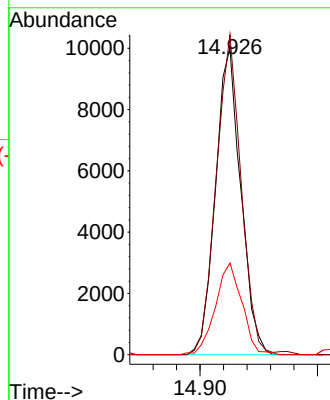
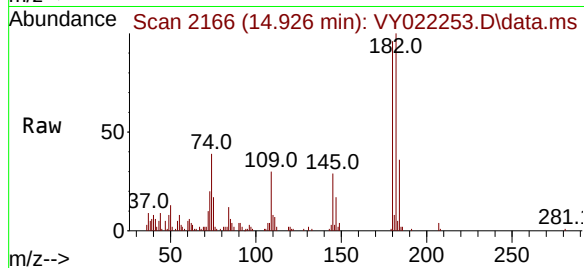
182 103.3 48.0 144.0

145 31.4 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

Concen: 5.226 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

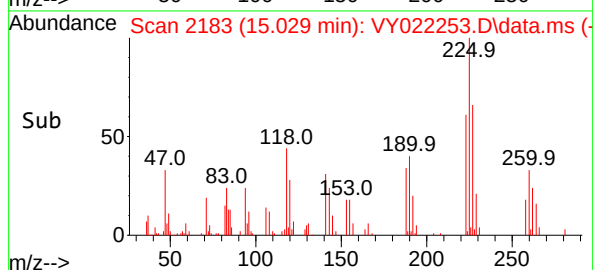
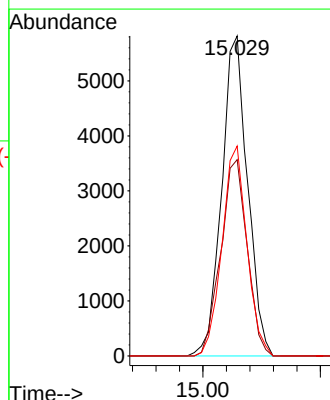
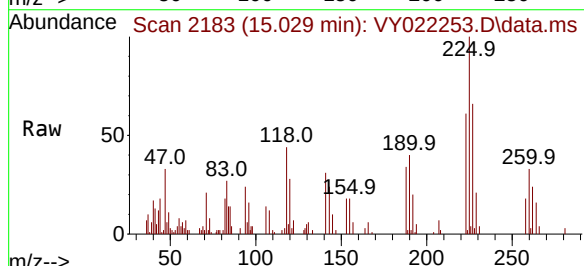
Tgt Ion:225 Resp: 8887

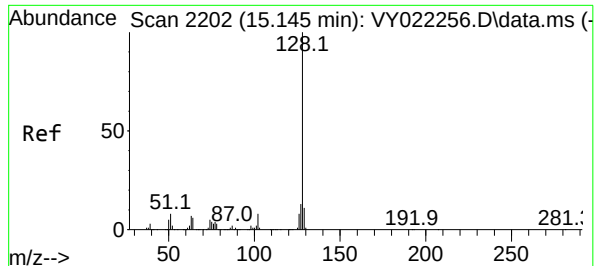
Ion Ratio Lower Upper

225 100

223 62.6 31.5 94.5

227 63.3 32.1 96.3





#95

Naphthalene

Concen: 5.124 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

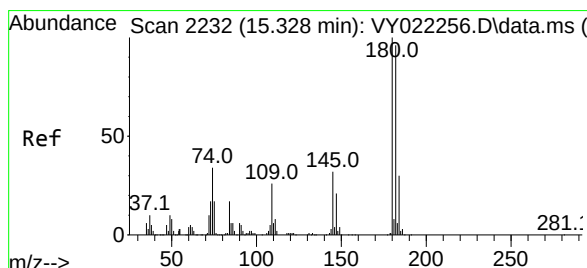
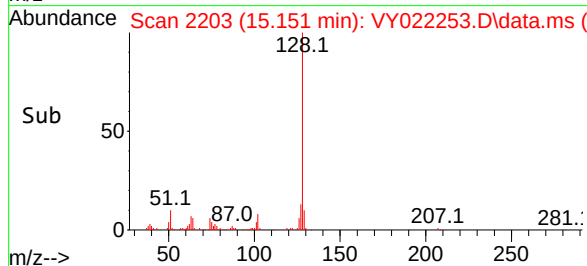
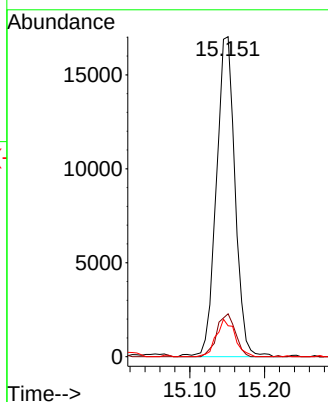
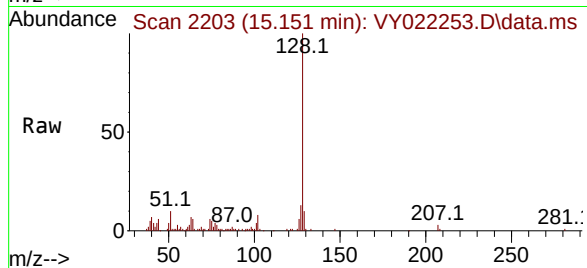
VSTDIC005

Tgt Ion:	128	Resp:	29654
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	11.7	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96

1,2,3-Trichlorobenzene

Concen: 5.063 ug/l

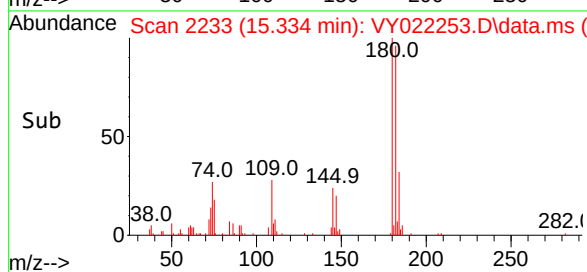
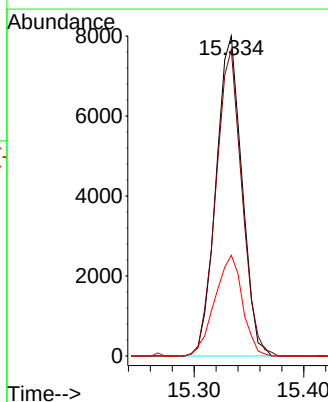
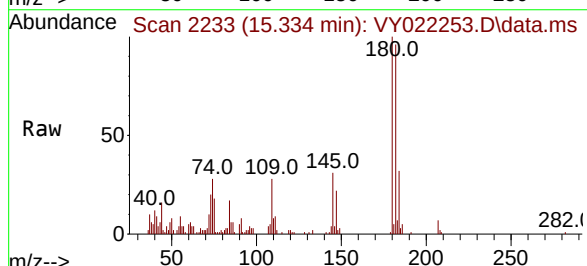
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

Tgt Ion:	180	Resp:	13097
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.1	141.3
145	33.7	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022254.D
 Acq On : 15 May 2025 10:16
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	265034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	29608	10.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.440%#		
35) Dibromofluoromethane	7.634	113	26242	9.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.720%#		
50) Toluene-d8	10.109	98	107048	9.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.640%#		
62) 4-Bromofluorobenzene	12.408	95	34423	9.959	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	31097	11.245	ug/l	99
3) Chloromethane	2.068	50	65589	11.275	ug/l	98
4) Vinyl Chloride	2.202	62	69800	10.739	ug/l	95
5) Bromomethane	2.592	94	54773	10.352	ug/l	99
6) Chloroethane	2.732	64	43122	10.665	ug/l	99
7) Trichlorofluoromethane	3.056	101	68501	10.410	ug/l	99
8) Diethyl Ether	3.458	74	16945	10.730	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	30591	10.708	ug/l	99
10) Methyl Iodide	4.007	142	31088	9.402	ug/l	97
11) Tert butyl alcohol	4.878	59	12043	54.446	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	28831	10.170	ug/l	95
13) Acrolein	3.659	56	17927	55.439	ug/l	96
14) Allyl chloride	4.378	41	51275	10.315	ug/l	99
15) Acrylonitrile	5.061	53	33277	51.139	ug/l	100
16) Acetone	3.879	43	30229	55.657	ug/l	100
17) Carbon Disulfide	4.104	76	96591	10.448	ug/l	97
18) Methyl Acetate	4.385	43	16338	9.886	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	80714	10.326	ug/l	96
20) Methylene Chloride	4.622	84	42991	12.250	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	32258	10.309	ug/l	98
22) Diisopropyl ether	6.018	45	106493	10.145	ug/l	94
23) Vinyl Acetate	5.964	43	324651	51.192	ug/l	100
24) 1,1-Dichloroethane	5.915	63	60198	10.265	ug/l	97
25) 2-Butanone	6.896	43	48022	52.859	ug/l	98
26) 2,2-Dichloropropane	6.890	77	54264	10.403	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	36403	10.081	ug/l	98
28) Bromochloromethane	7.244	49	25664	10.259	ug/l	98
29) Tetrahydrofuran	7.274	42	30684	52.498	ug/l	98
30) Chloroform	7.421	83	57172	10.163	ug/l	100
31) Cyclohexane	7.701	56	63155	10.778	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	52856	10.242	ug/l	99
36) 1,1-Dichloropropene	7.835	75	44817	10.219	ug/l	97
37) Ethyl Acetate	6.994	43	20624	9.774	ug/l	97
38) Carbon Tetrachloride	7.817	117	46772	10.303	ug/l	97
39) Methylcyclohexane	9.109	83	60489	10.266	ug/l	98
40) Benzene	8.079	78	130423	10.032	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022254.D
 Acq On : 15 May 2025 10:16
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	16228m	10.510	ug/l	
42) 1,2-Dichloroethane	8.158	62	35565	10.115	ug/l	100
43) Isopropyl Acetate	8.201	43	47020	10.217	ug/l	98
44) Trichloroethene	8.865	130	32655	10.101	ug/l	99
45) 1,2-Dichloropropane	9.140	63	32172	10.264	ug/l	93
46) Dibromomethane	9.231	93	17134	10.135	ug/l	99
47) Bromodichloromethane	9.426	83	44045	10.042	ug/l	96
48) Methyl methacrylate	9.225	41	21202	9.851	ug/l	98
49) 1,4-Dioxane	9.231	88	3930	205.769	ug/l #	75
51) 4-Methyl-2-Pentanone	9.999	43	110396	48.889	ug/l	100
52) Toluene	10.170	92	82453	10.015	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	42158	9.849	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	48923	9.976	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	21720	10.033	ug/l	97
56) Ethyl methacrylate	10.438	69	32286	9.574	ug/l	98
57) 1,3-Dichloropropane	10.719	76	38908	10.115	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	66700	44.066	ug/l	100
59) 2-Hexanone	10.761	43	74432	49.162	ug/l	99
60) Dibromochloromethane	10.914	129	28002	9.965	ug/l	99
61) 1,2-Dibromoethane	11.018	107	20378	10.099	ug/l	99
64) Tetrachloroethene	10.646	164	36274	10.404	ug/l	99
65) Chlorobenzene	11.444	112	83730	9.839	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	28441	9.721	ug/l	97
67) Ethyl Benzene	11.517	91	154155	9.672	ug/l	97
68) m/p-Xylenes	11.627	106	116113	19.334	ug/l	99
69) o-Xylene	11.956	106	55896	9.837	ug/l	96
70) Styrene	11.969	104	91569	9.553	ug/l	99
71) Bromoform	12.133	173	16151	10.228	ug/l #	95
73) Isopropylbenzene	12.255	105	144186	10.120	ug/l	99
74) N-amyl acetate	12.072	43	40345	9.901	ug/l	99
75) 1,1,1,2,2-Tetrachloroethane	12.505	83	22243	10.152	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	16056m	5.297	ug/l	
77) Bromobenzene	12.536	156	30445	10.005	ug/l	99
78) n-propylbenzene	12.597	91	173575	10.101	ug/l	100
79) 2-Chlorotoluene	12.682	91	95815	10.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	116461	10.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8934	10.388	ug/l	94
82) 4-Chlorotoluene	12.779	91	97309	10.018	ug/l	99
83) tert-Butylbenzene	12.999	119	102274	10.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	115175	10.088	ug/l	99
85) sec-Butylbenzene	13.176	105	153443	10.112	ug/l	100
86) p-Isopropyltoluene	13.291	119	124147	9.728	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	61011	9.822	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	60723	10.163	ug/l	97
89) n-Butylbenzene	13.621	91	120371	9.970	ug/l	99
90) Hexachloroethane	13.883	117	26089	10.127	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	52282	10.020	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3588	10.155	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	29073	9.646	ug/l	99
94) Hexachlorobutadiene	15.023	225	16686	9.927	ug/l	98
95) Naphthalene	15.145	128	54307	9.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	24790	9.696	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

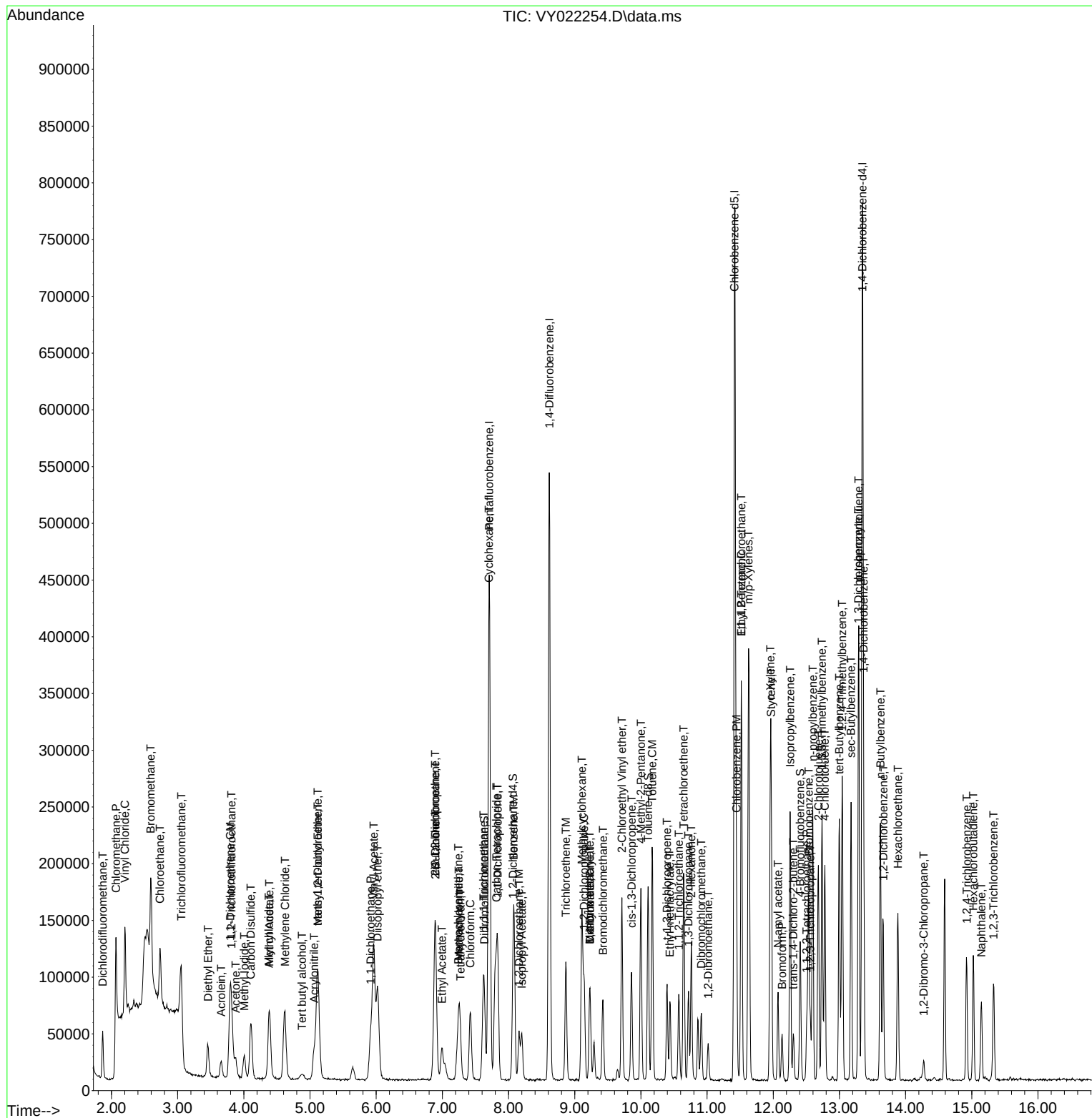
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

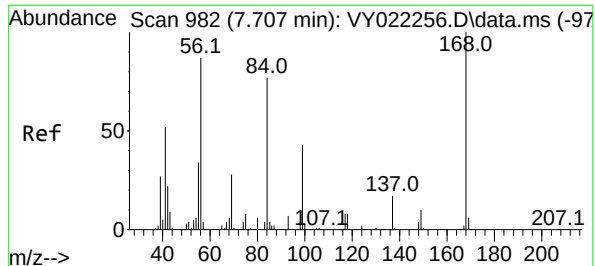
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

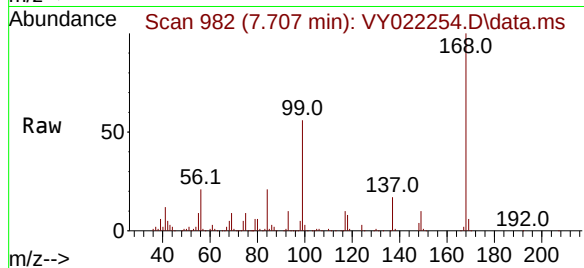
Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

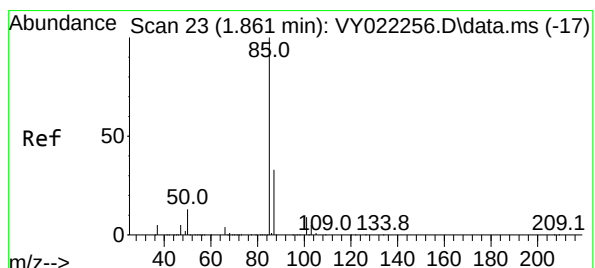
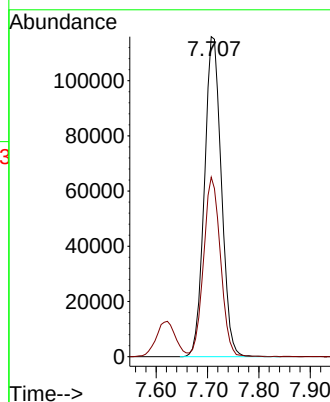
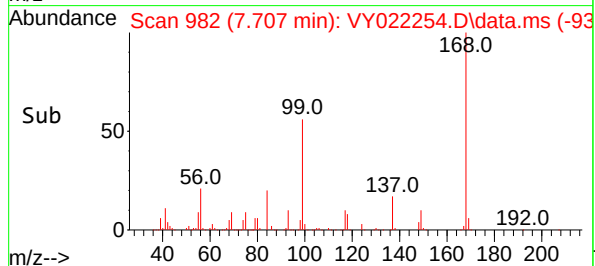
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 265034
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4

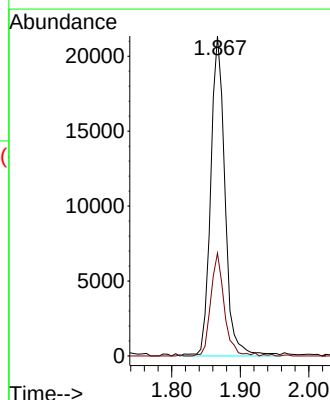
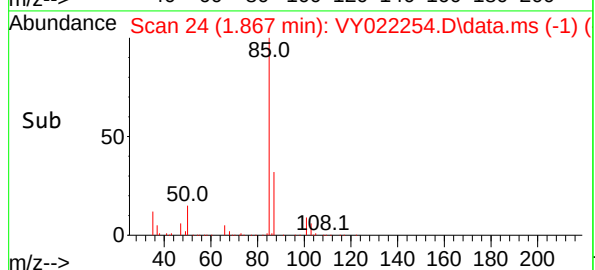
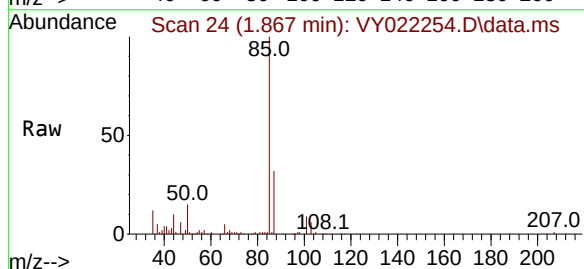
Manual Integrations
APPROVED

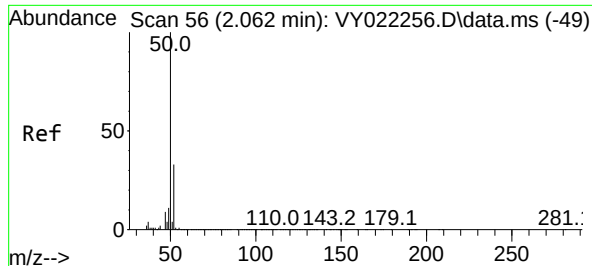
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 11.245 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

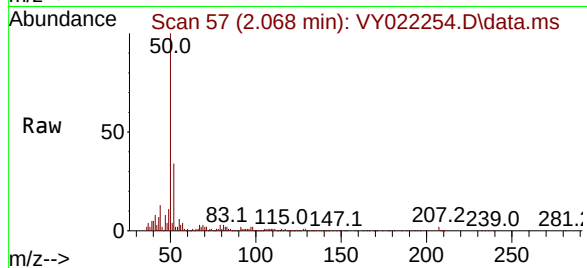
Tgt Ion: 85 Resp: 31097
Ion Ratio Lower Upper
85 100
87 32.2 16.5 49.5





#3
Chloromethane
Concen: 11.275 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

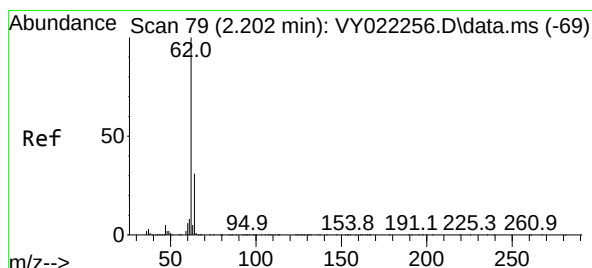
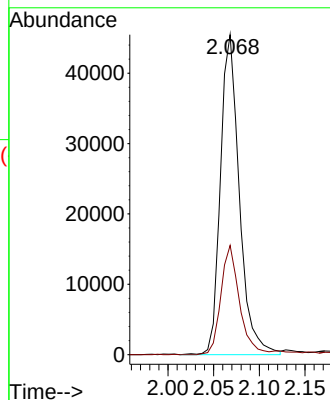
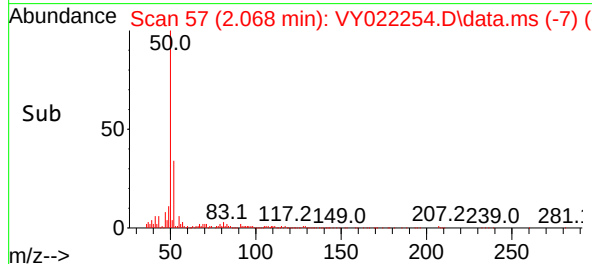
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 65589
Ion Ratio Lower Upper
50 100
52 34.1 26.5 39.7

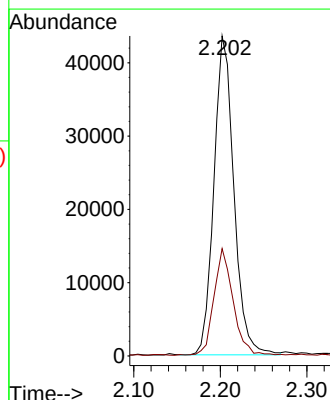
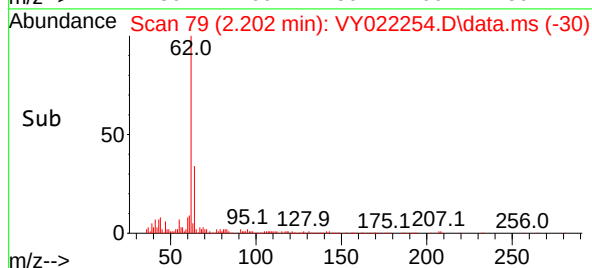
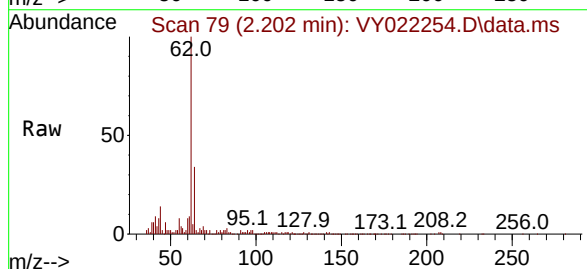
Manual Integrations
APPROVED

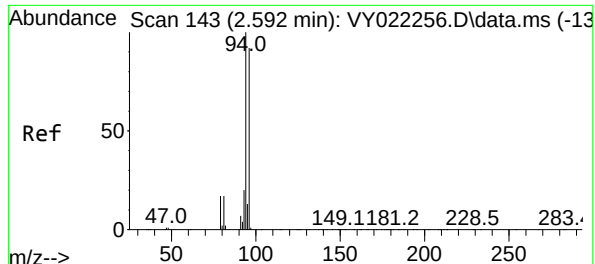
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 10.739 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

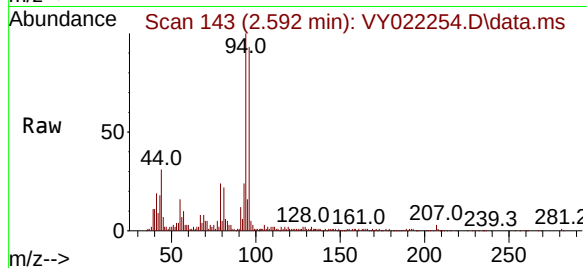
Tgt Ion: 62 Resp: 69800
Ion Ratio Lower Upper
62 100
64 33.2 24.5 36.7





#5
Bromomethane
Concen: 10.352 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

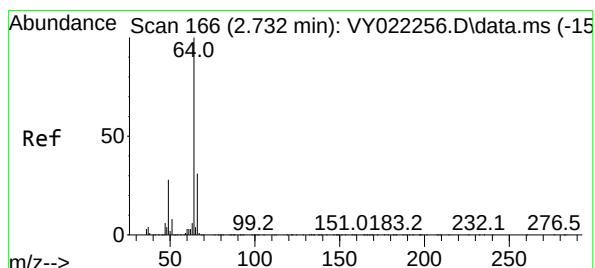
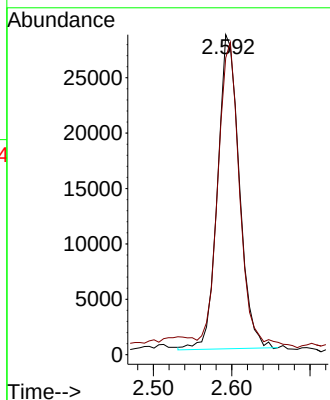
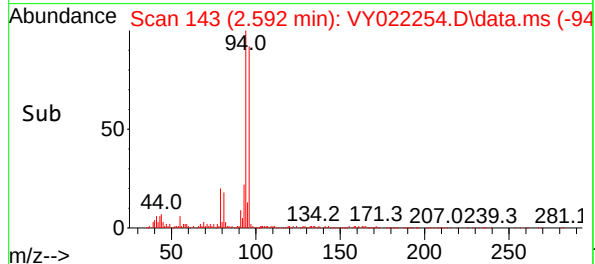
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 94 Resp: 5477
Ion Ratio Lower Upper
94 100
96 90.9 73.4 110.0

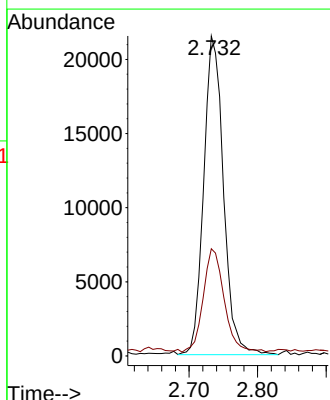
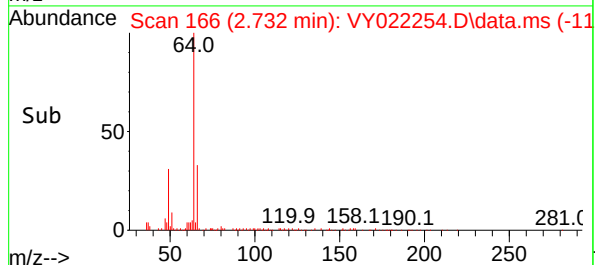
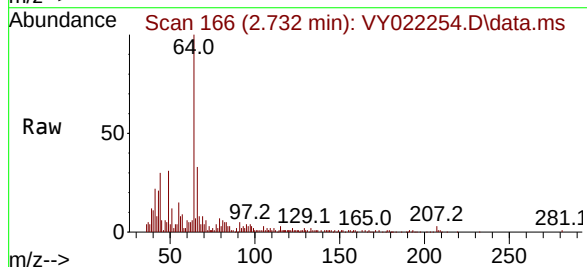
Manual Integrations
APPROVED

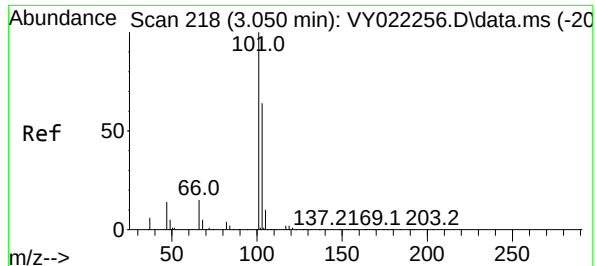
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 10.665 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 64 Resp: 43122
Ion Ratio Lower Upper
64 100
66 31.6 24.8 37.2





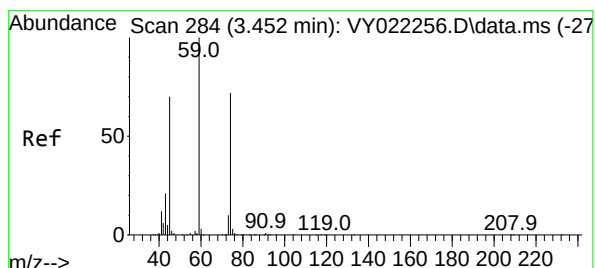
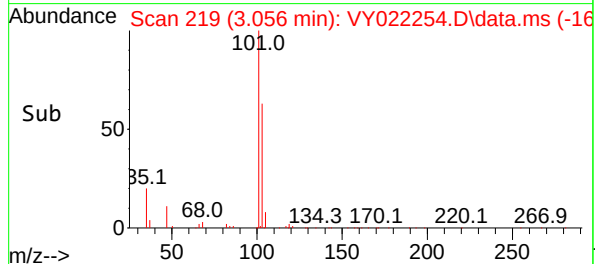
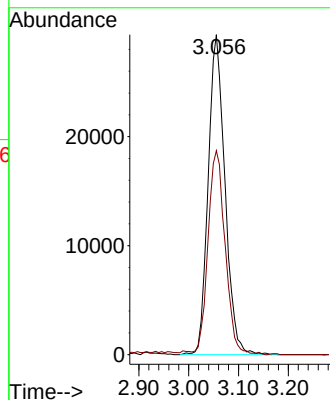
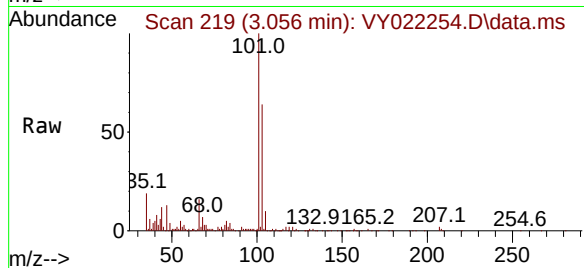
#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 6850
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

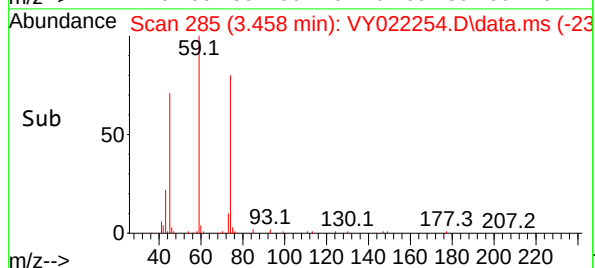
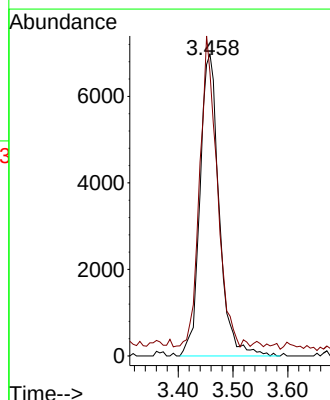
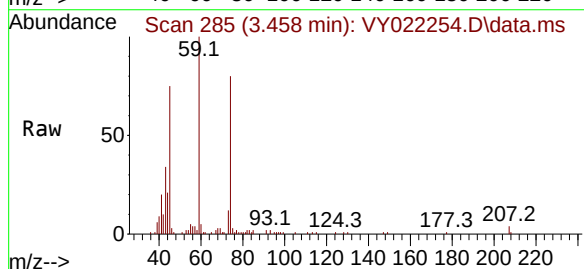
Manual Integrations
APPROVED

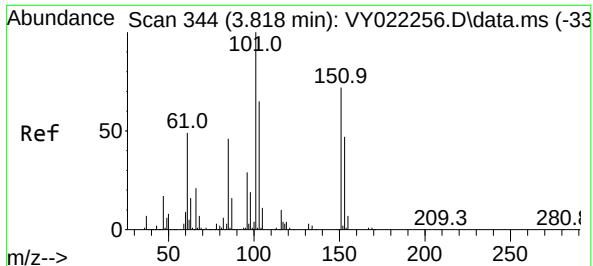
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 10.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 74 Resp: 16945
Ion Ratio Lower Upper
74 100
45 93.2 48.6 145.8





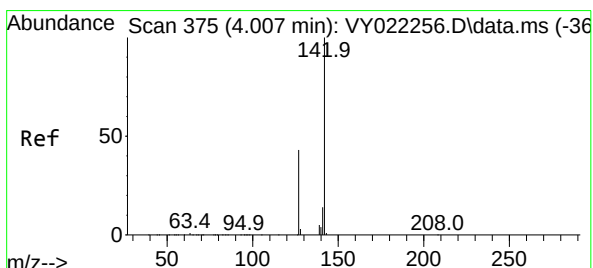
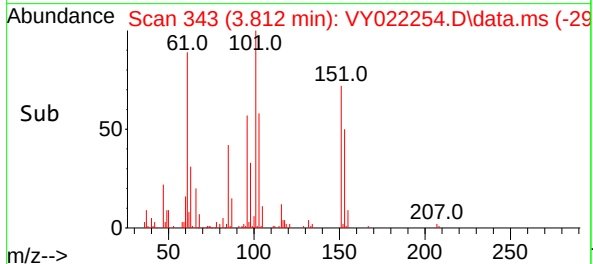
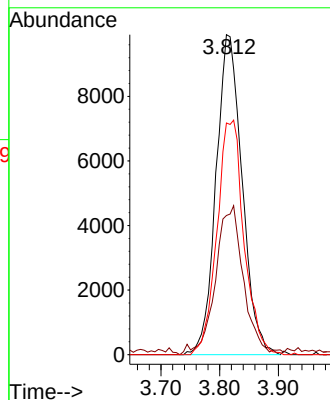
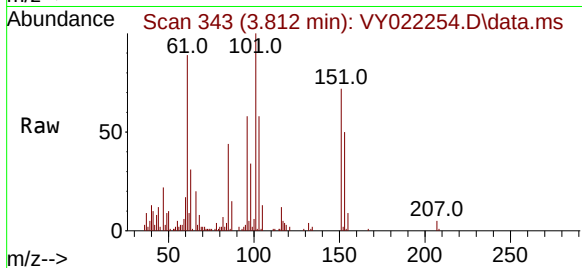
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.708 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 3059
Ion Ratio Lower Upper
101 100
85 47.5 38.6 58.0
151 75.6 59.7 89.5

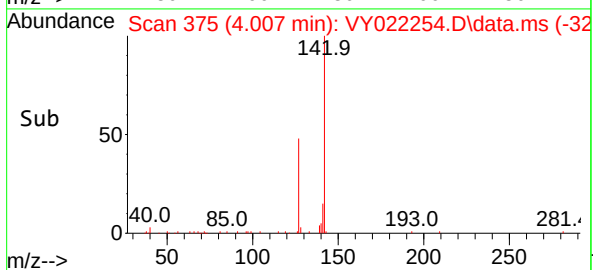
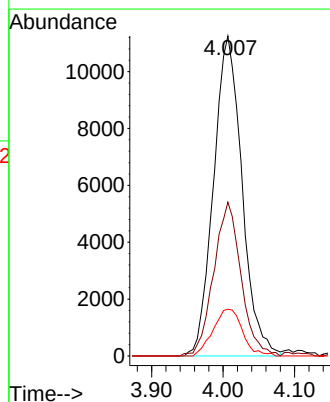
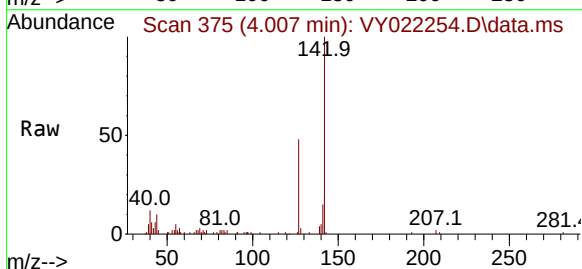
Manual Integrations
APPROVED

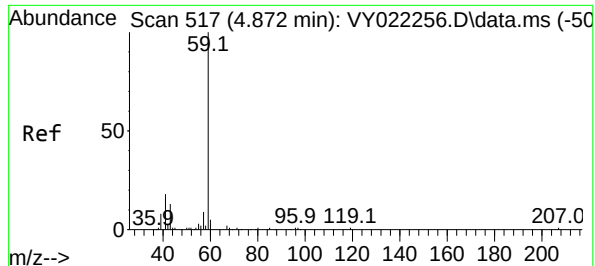
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 9.402 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:142 Resp: 31088
Ion Ratio Lower Upper
142 100
127 46.2 35.7 53.5
141 15.1 11.1 16.7





#11

Tert butyl alcohol

Concen: 54.446 ug/l

RT: 4.878 min Scan# 517

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 1204

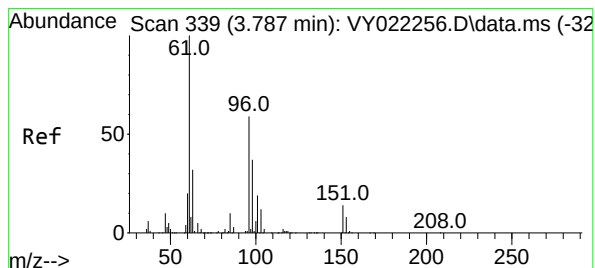
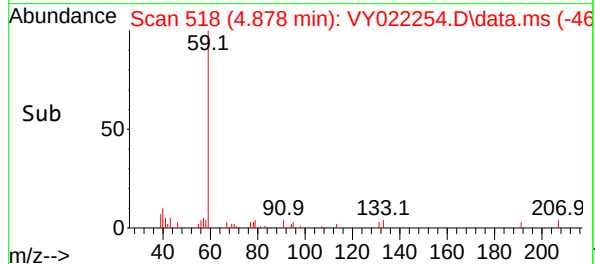
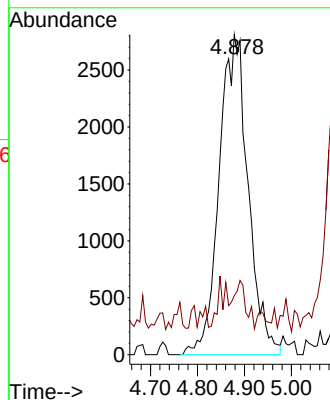
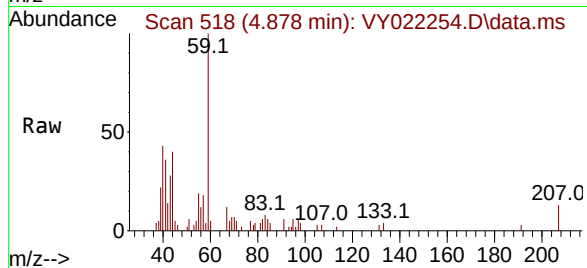
Ion Ratio Lower Upper

59 100

57 5.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 10.170 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

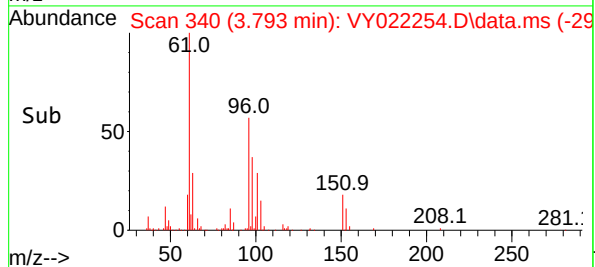
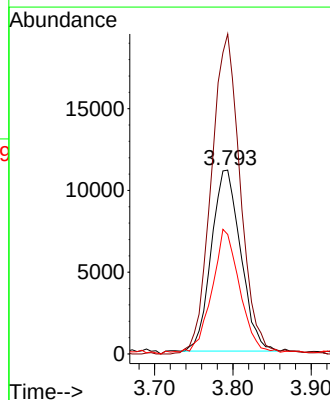
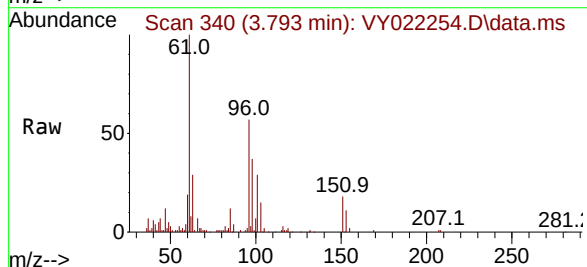
Tgt Ion: 96 Resp: 28831

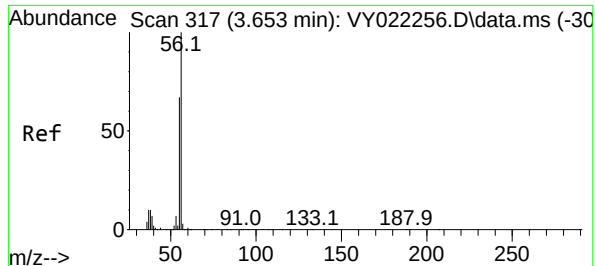
Ion Ratio Lower Upper

96 100

61 176.2 134.9 202.3

98 65.1 49.9 74.9





#13

Acrolein

Concen: 55.439 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 1792

Ion Ratio Lower Upper

56 100

55 73.0 55.6 83.4

Instrument :

MSVOA_Y

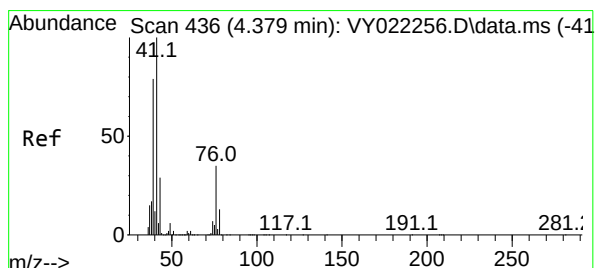
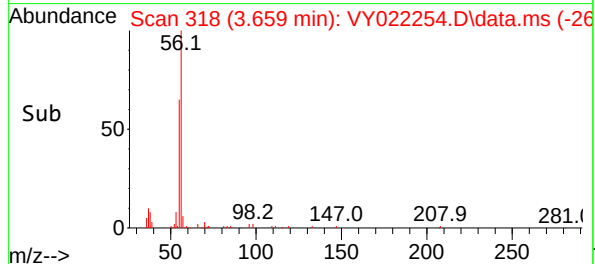
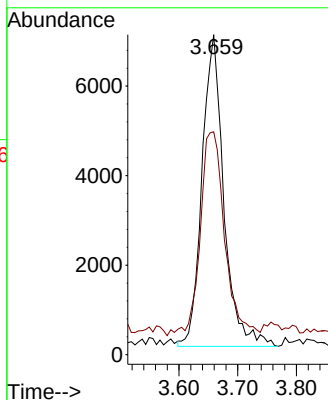
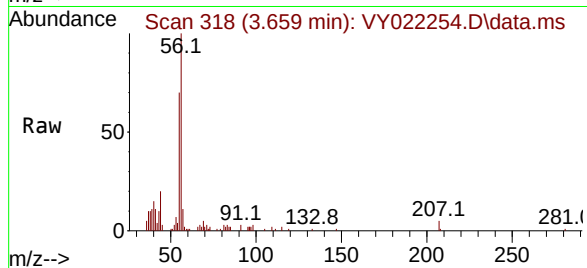
ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 10.315 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

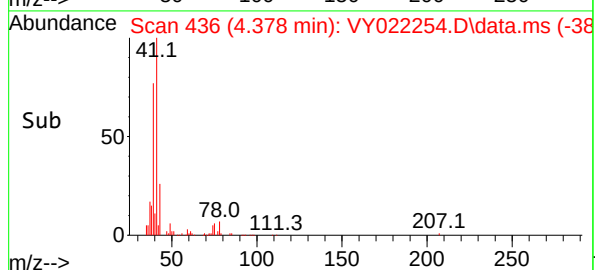
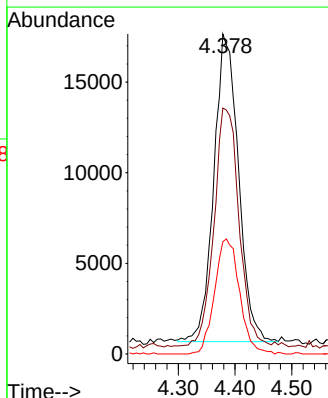
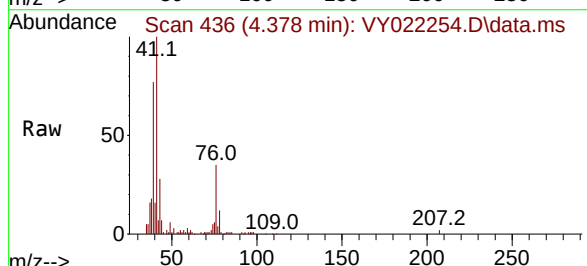
Tgt Ion: 41 Resp: 51275

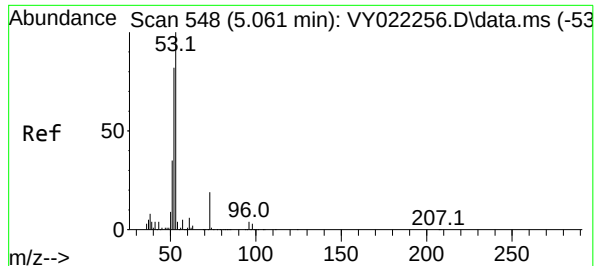
Ion Ratio Lower Upper

41 100

39 79.2 63.4 95.0

76 37.8 29.5 44.3





#15

Acrylonitrile

Concen: 51.139 ug/l

RT: 5.061 min Scan# 548

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

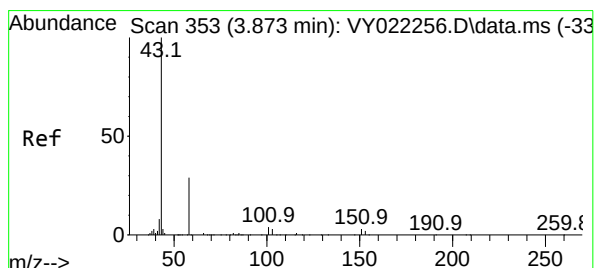
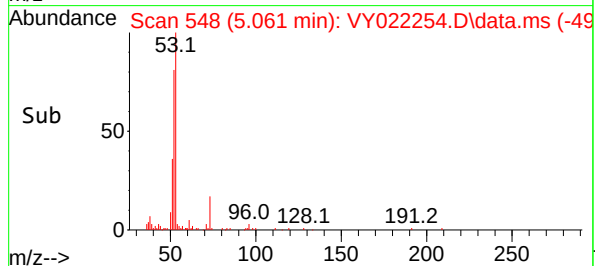
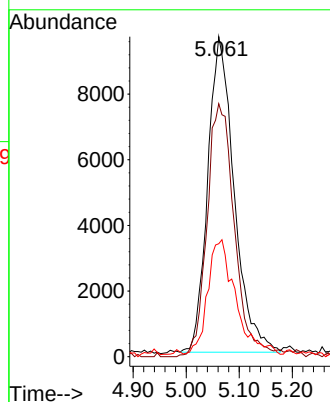
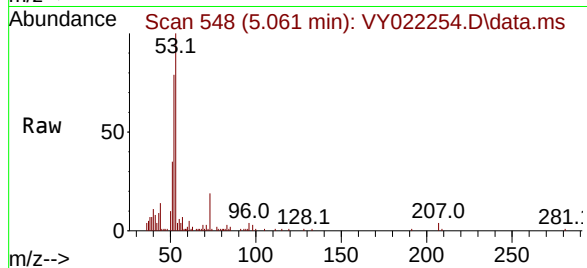
VSTDIC010

Tgt Ion:	53	Resp:	3327
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.2	30.0	45.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#16

Acetone

Concen: 55.657 ug/l

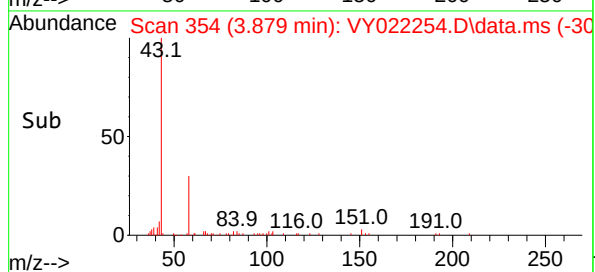
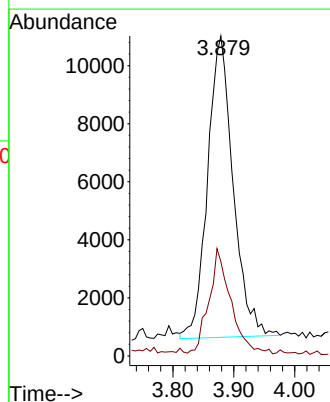
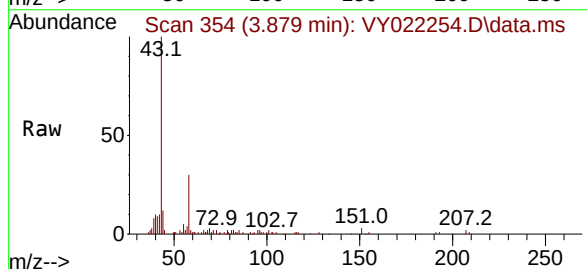
RT: 3.879 min Scan# 354

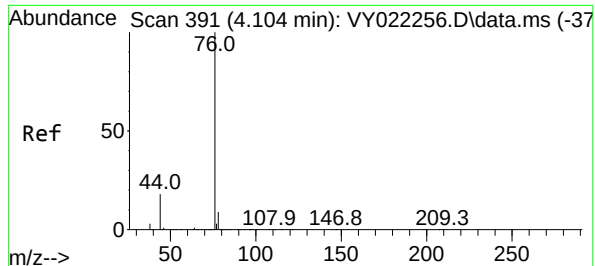
Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

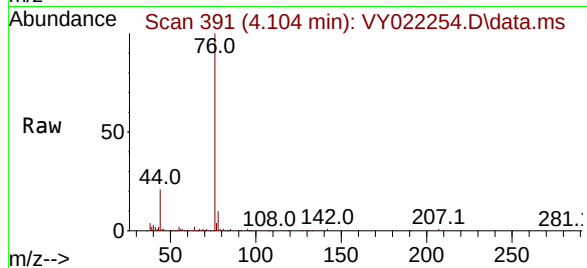
Tgt Ion:	43	Resp:	30229
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#17
Carbon Disulfide
Concen: 10.448 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

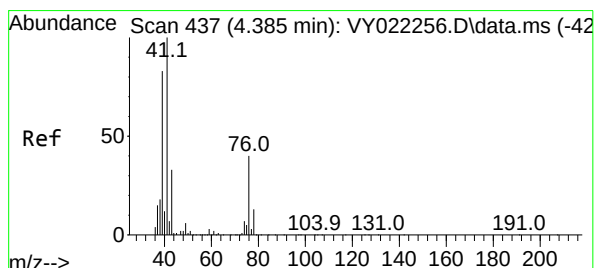
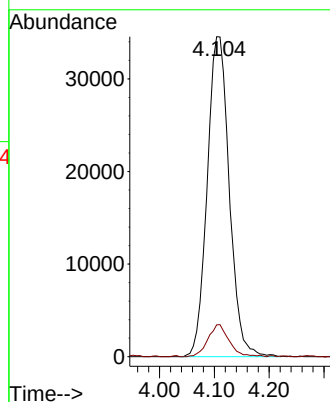
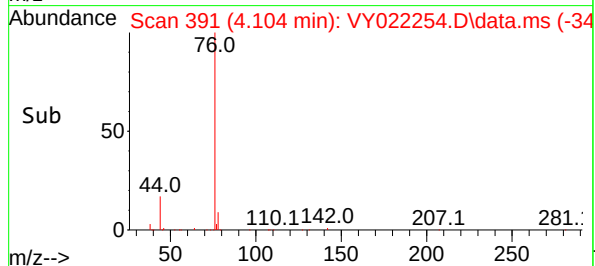
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 76 Resp: 9659
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

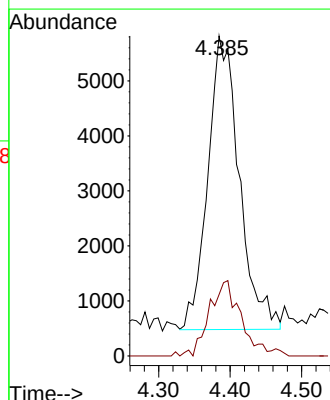
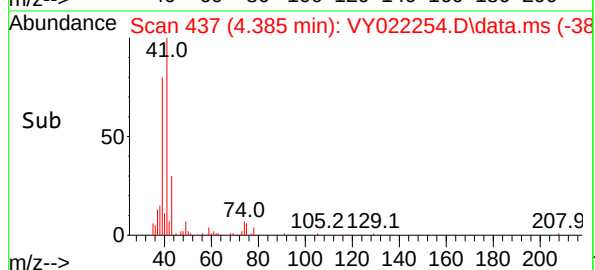
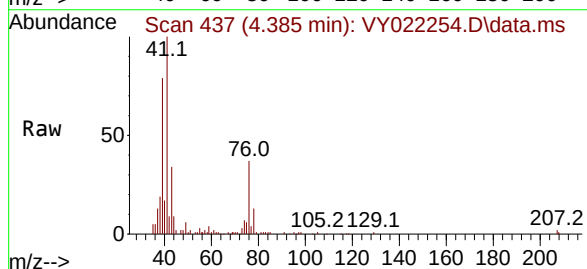
Manual Integrations
APPROVED

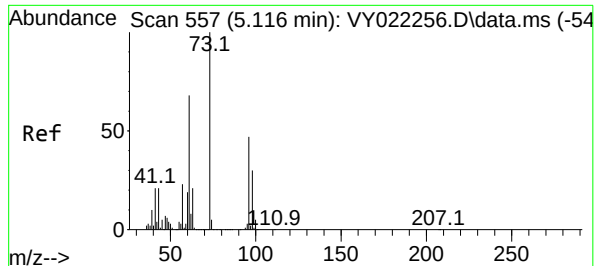
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 16338
Ion Ratio Lower Upper
43 100
74 25.6 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 10.326 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 80714

Ion Ratio Lower Upper

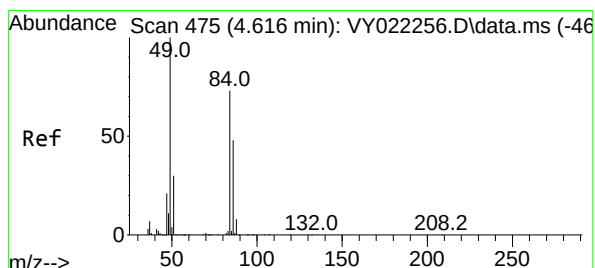
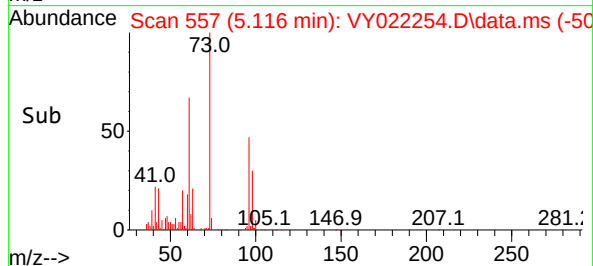
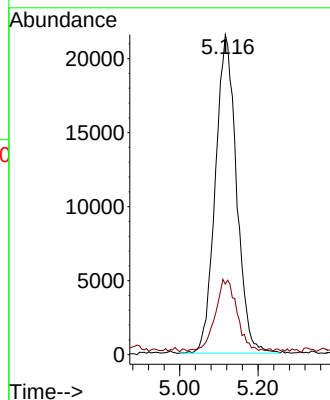
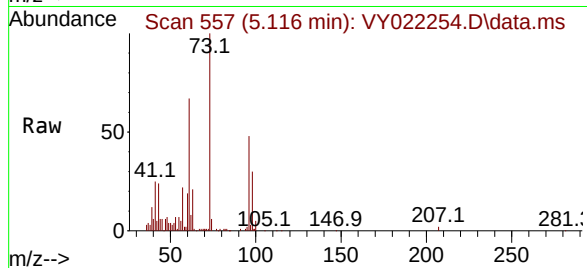
73 100

57 21.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#20

Methylene Chloride

Concen: 12.250 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion: 84 Resp: 42991

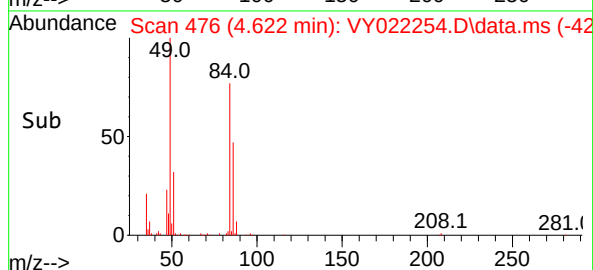
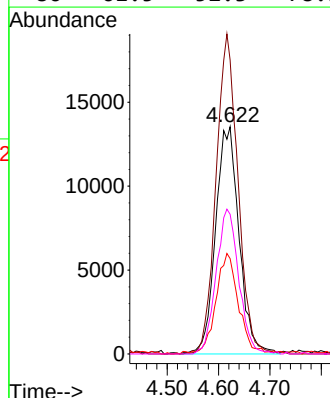
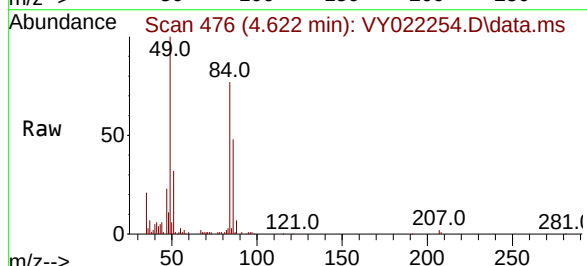
Ion Ratio Lower Upper

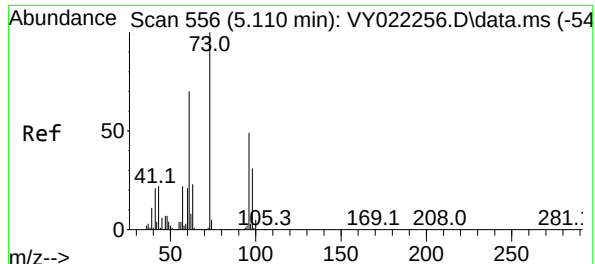
84 100

49 129.4 109.6 164.4

51 42.0 32.4 48.6

86 61.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 10.309 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 32258

Ion Ratio Lower Upper

96 100

61 139.6 113.4 170.0

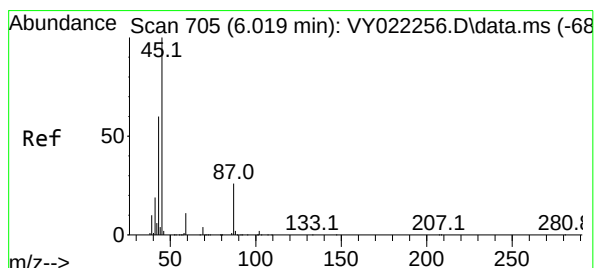
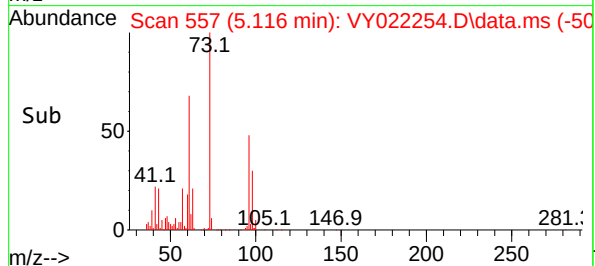
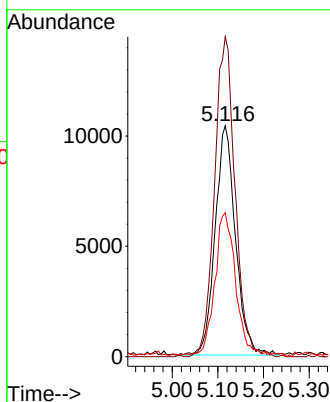
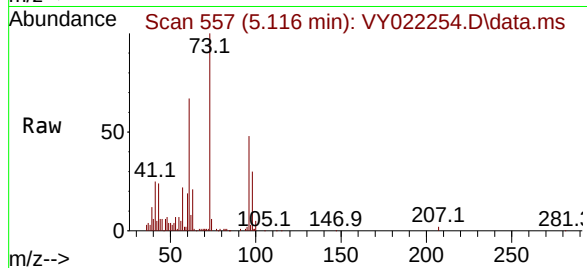
98 62.0 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#22

Diisopropyl ether

Concen: 10.145 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion: 45 Resp: 106493

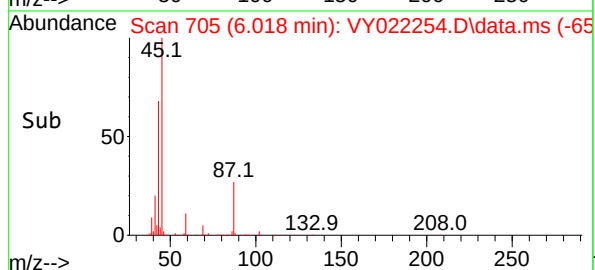
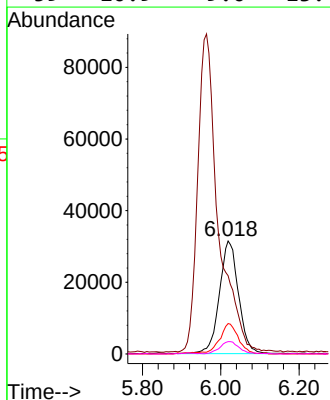
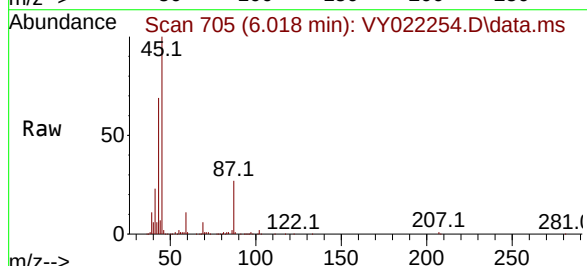
Ion Ratio Lower Upper

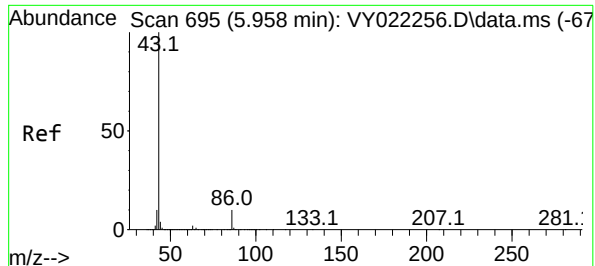
45 100

43 67.7 48.2 72.2

87 26.8 21.4 32.0

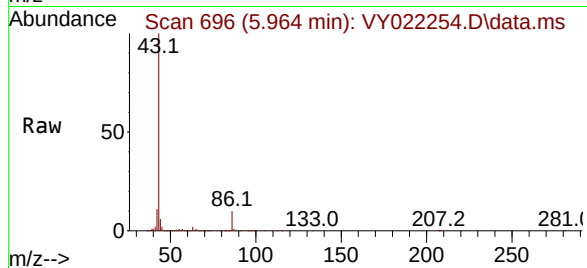
59 10.9 9.0 13.4





#23
Vinyl Acetate
Concen: 51.192 ug/l
RT: 5.964 min Scan# 695
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

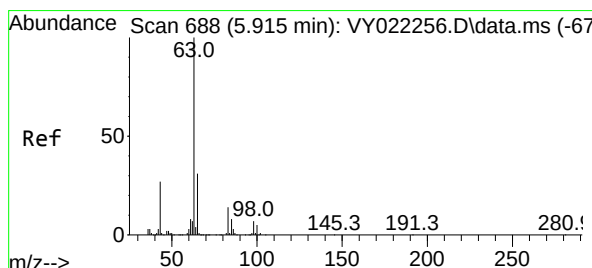
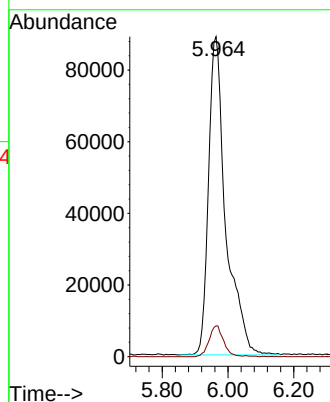
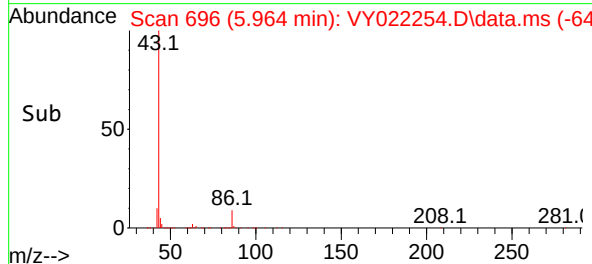
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



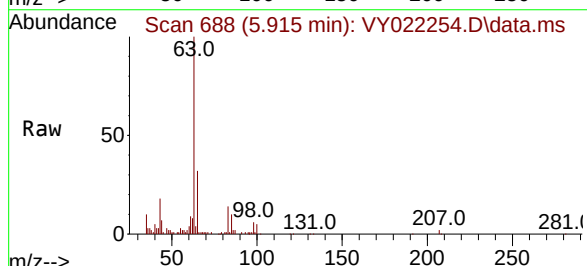
Tgt Ion: 43 Resp: 32465
Ion Ratio Lower Upper
43 100
86 9.7 7.8 11.8

Manual Integrations
APPROVED

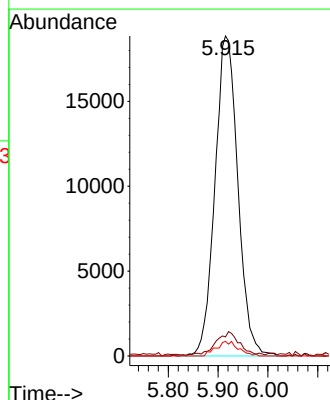
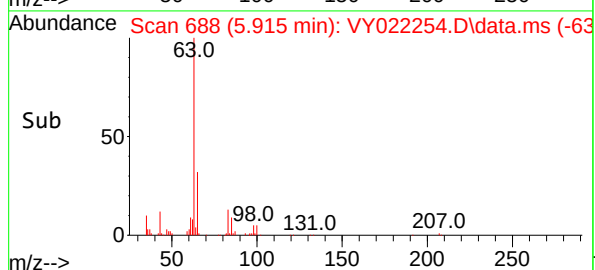
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

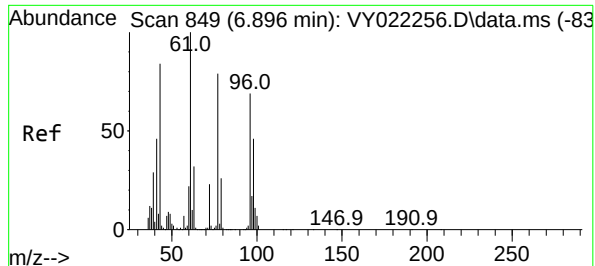


#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



Tgt Ion: 63 Resp: 60198
Ion Ratio Lower Upper
63 100
98 5.6 3.5 10.5
100 4.6 2.4 7.2





#25

2-Butanone

Concen: 52.859 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 4802

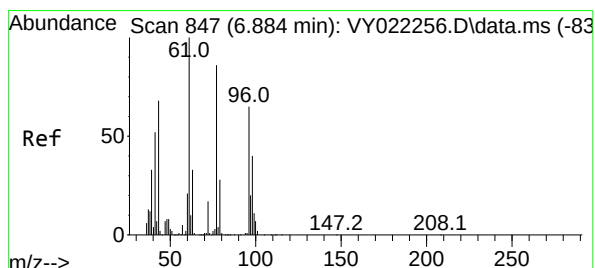
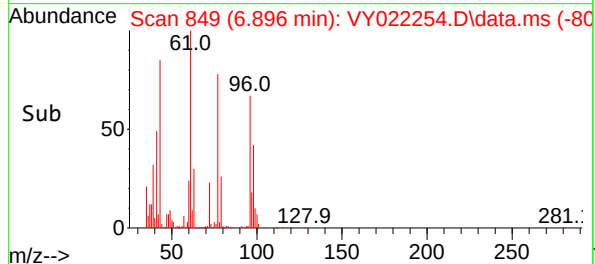
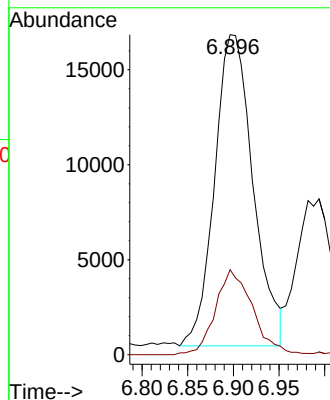
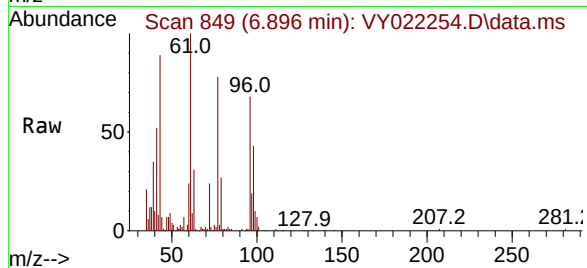
Ion Ratio Lower Upper

43 100

72 26.7 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 10.403 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY022254.D

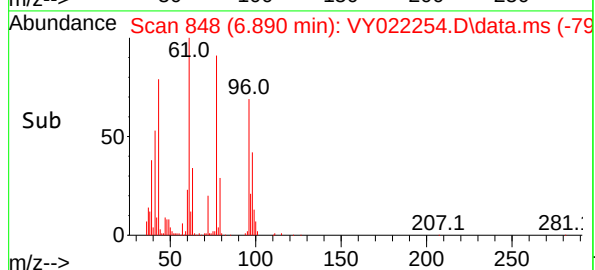
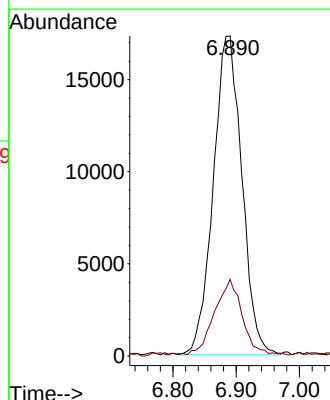
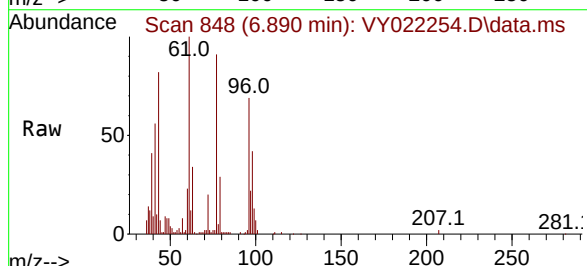
Acq: 15 May 2025 10:16

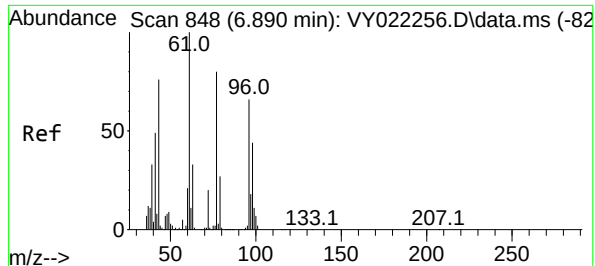
Tgt Ion: 77 Resp: 54264

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 10.081 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 3640

Ion Ratio Lower Upper

96 100

61 152.8 0.0 302.6

98 67.2 0.0 128.8

Instrument :

MSVOA_Y

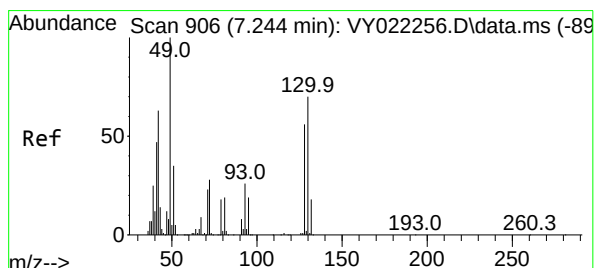
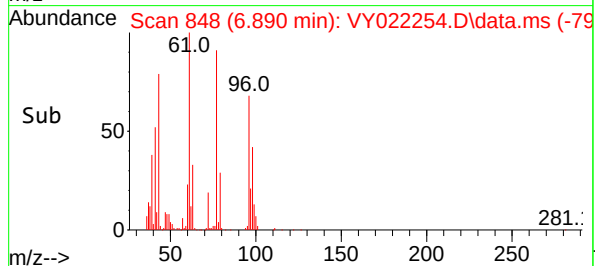
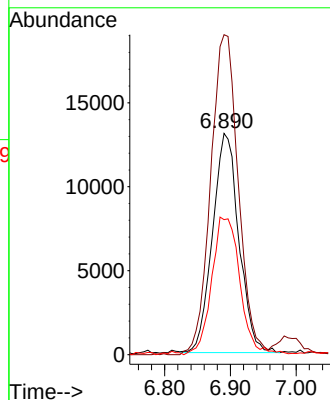
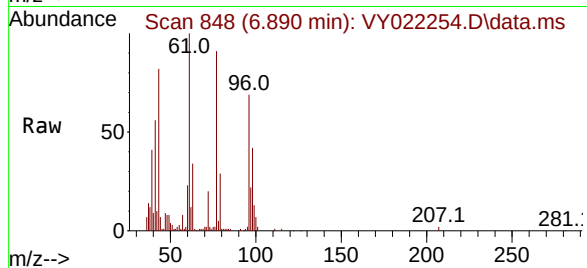
ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#28

Bromochloromethane

Concen: 10.259 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

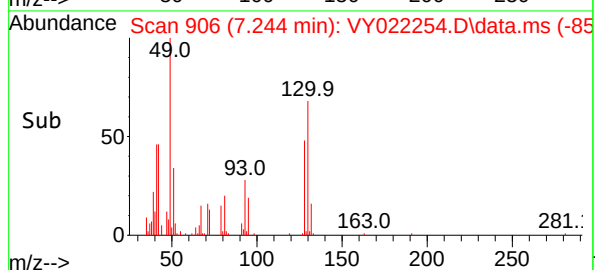
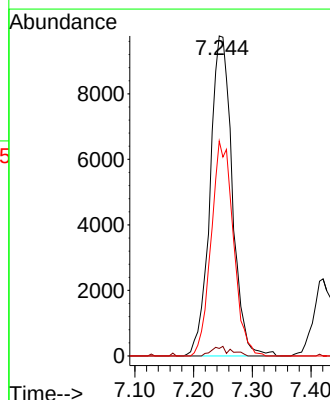
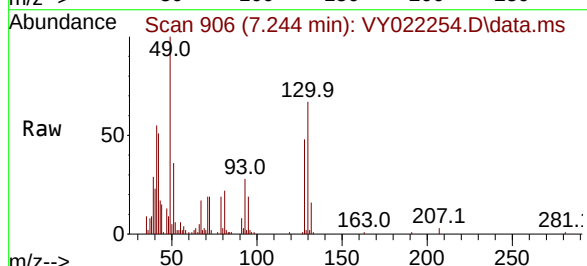
Tgt Ion: 49 Resp: 25664

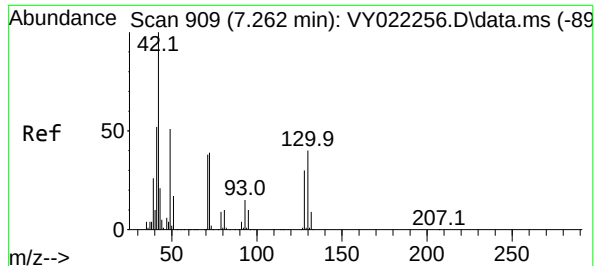
Ion Ratio Lower Upper

49 100

129 2.6 0.0 3.6

130 67.2 54.7 82.1





#29

Tetrahydrofuran

Concen: 52.498 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

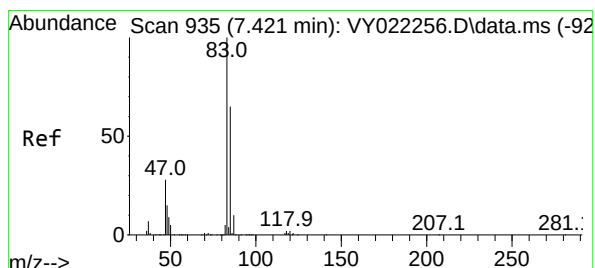
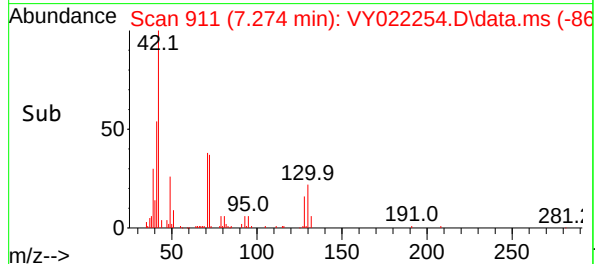
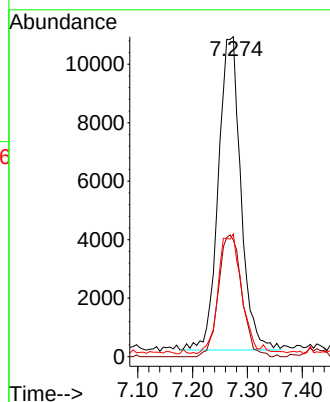
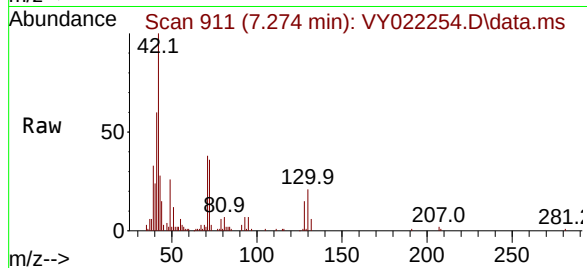
VSTDIC010

Tgt Ion:	42	Resp:	30684
Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.8	50.6
71	39.0	31.5	47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#30

Chloroform

Concen: 10.163 ug/l

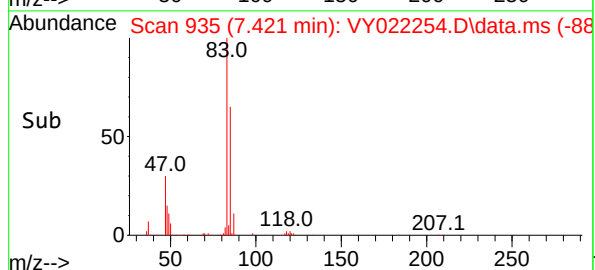
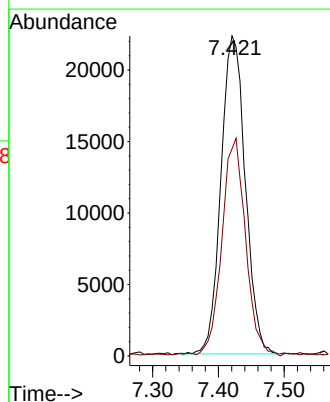
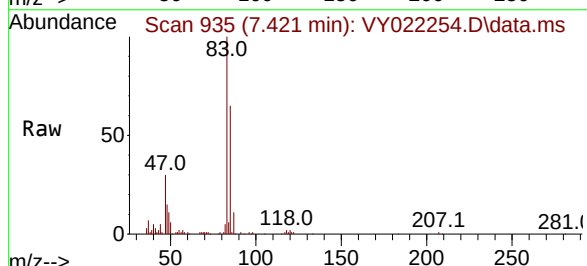
RT: 7.421 min Scan# 935

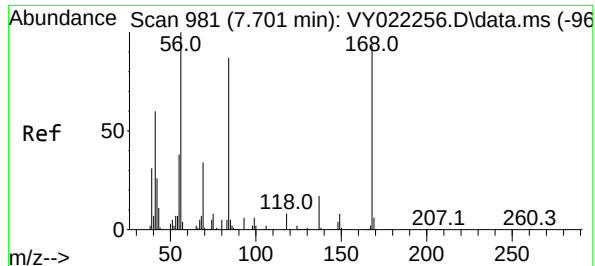
Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion:	83	Resp:	57172
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





#31

Cyclohexane

Concen: 10.778 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 6315

Ion Ratio Lower Upper

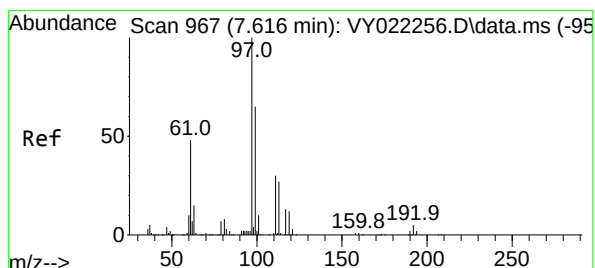
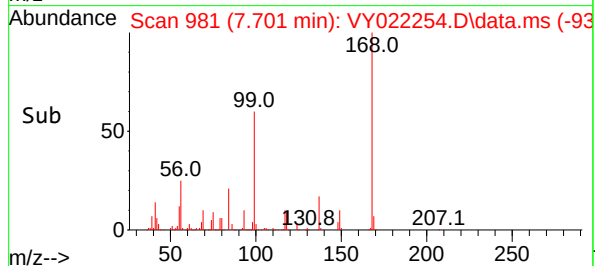
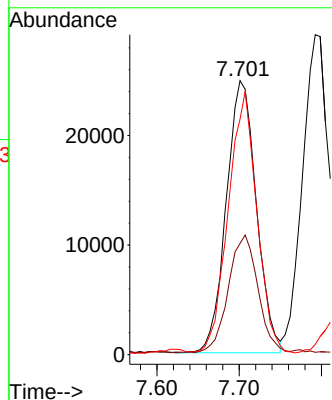
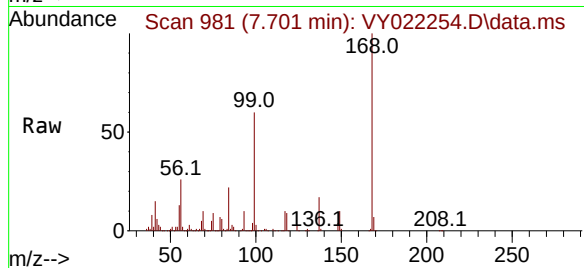
56 100

69 39.9 27.4 41.2

84 84.7 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#32

1,1,1-Trichloroethane

Concen: 10.242 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

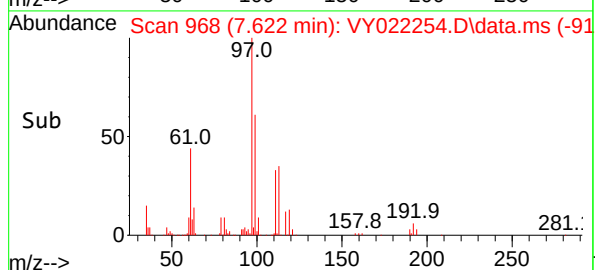
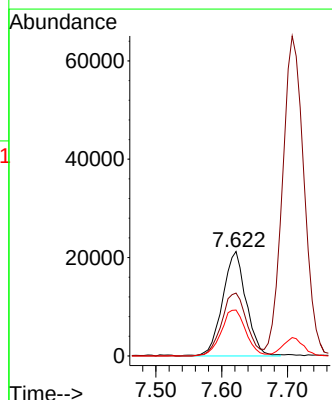
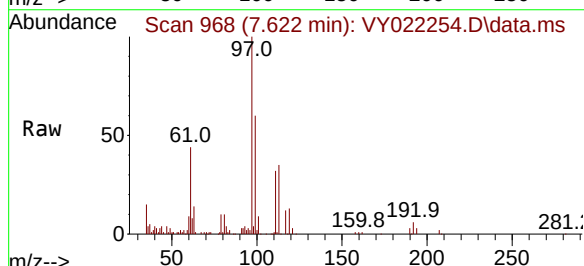
Tgt Ion: 97 Resp: 52856

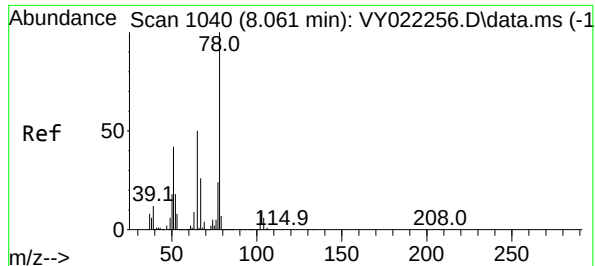
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 46.0 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 10.222 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 29608

Ion Ratio Lower Upper

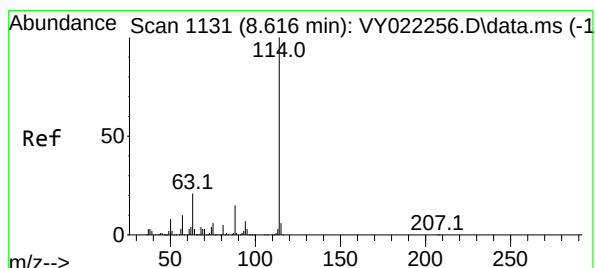
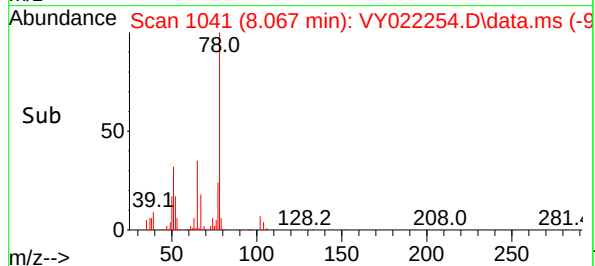
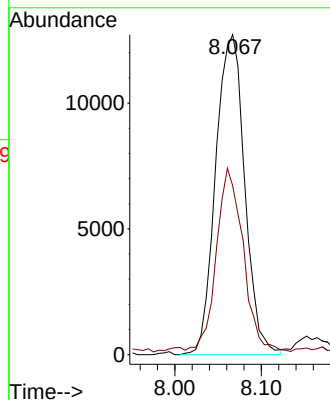
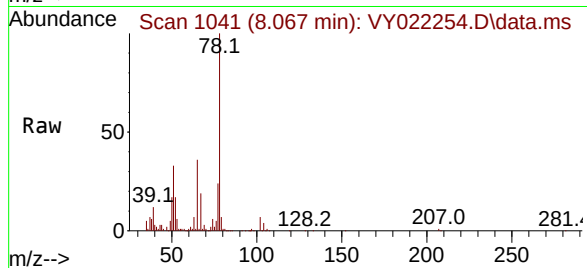
65 100

67 52.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

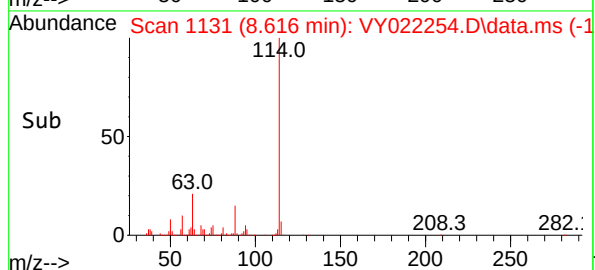
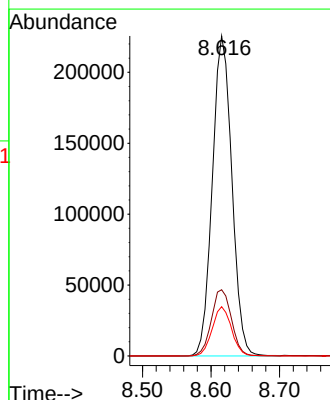
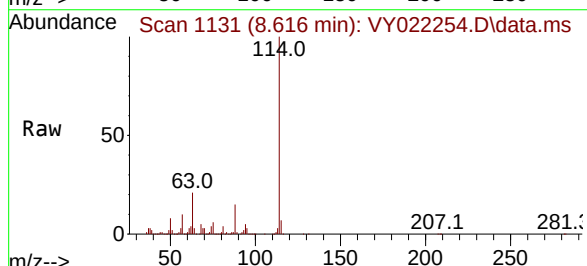
Tgt Ion:114 Resp: 446109

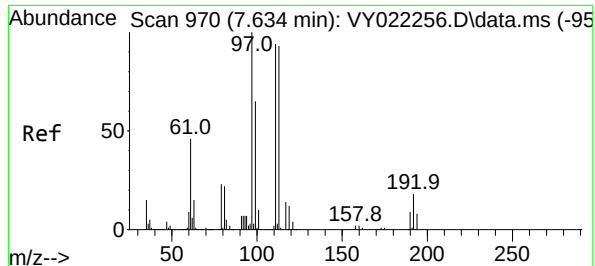
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 15.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 9.856 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

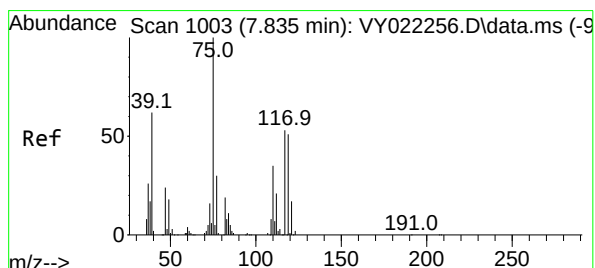
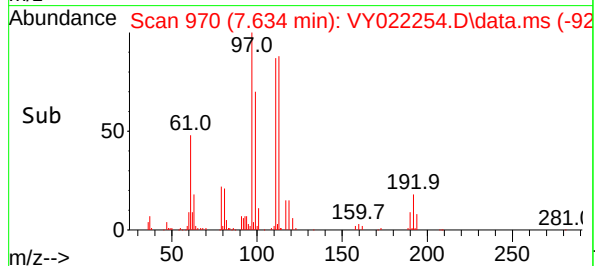
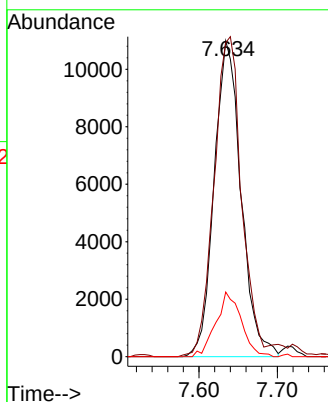
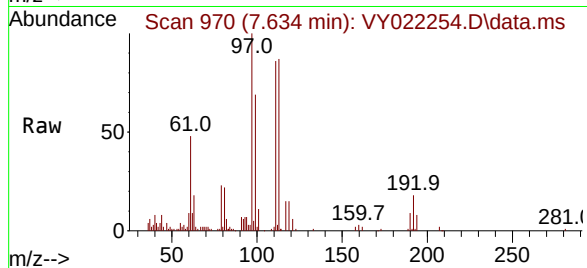
VSTDICC010

Tgt Ion:	113	Resp:	2624
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	19.3	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 10.219 ug/l

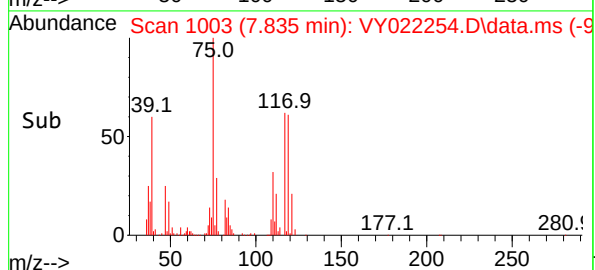
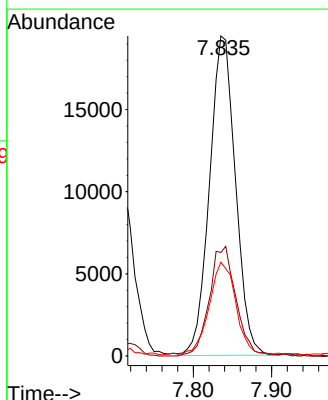
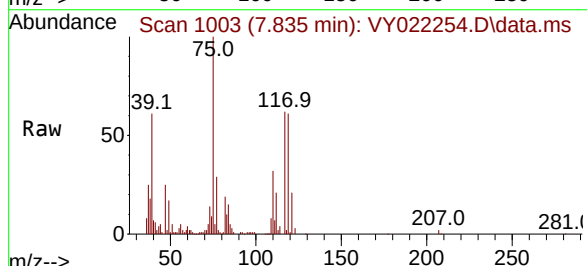
RT: 7.835 min Scan# 1003

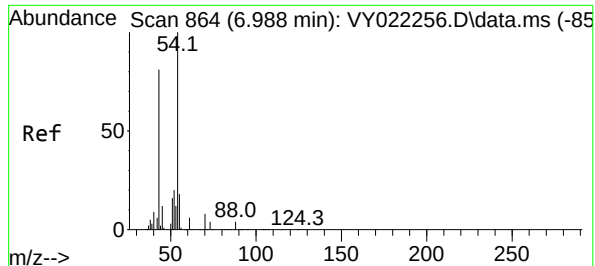
Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion:	75	Resp:	44817
Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	29.8	24.6	37.0





#37

Ethyl Acetate

Concen: 9.774 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 20624

Ion Ratio Lower Upper

43 100

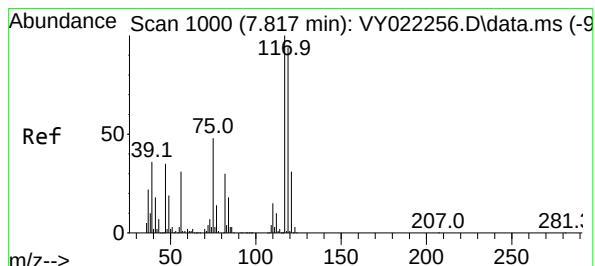
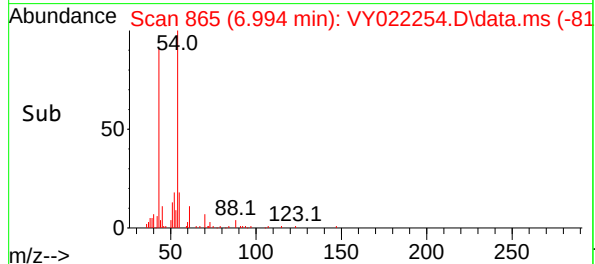
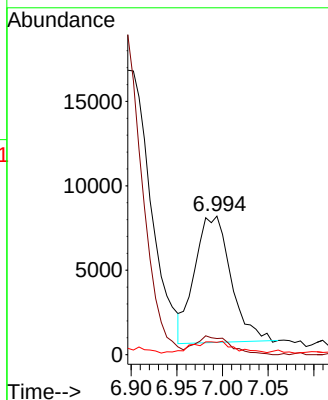
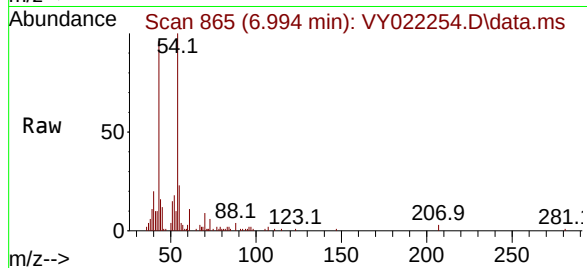
61 14.2 10.2 15.2

70 10.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#38

Carbon Tetrachloride

Concen: 10.303 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

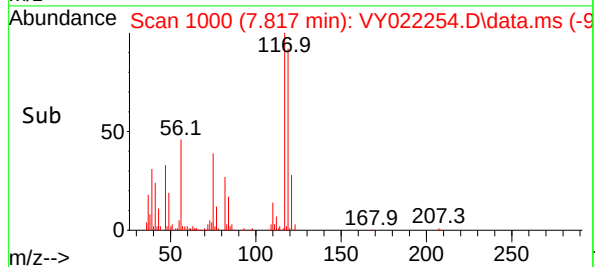
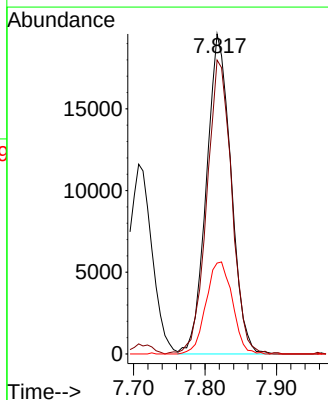
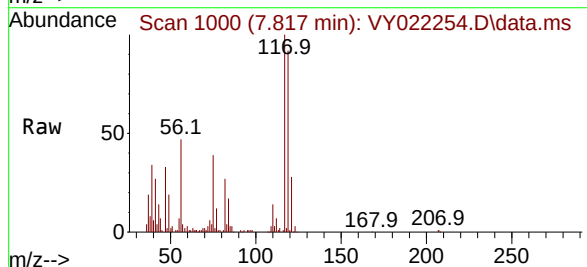
Tgt Ion:117 Resp: 46772

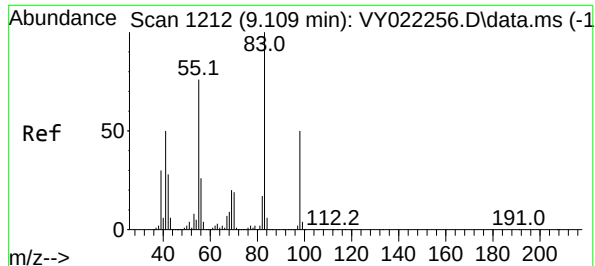
Ion Ratio Lower Upper

117 100

119 91.4 75.3 112.9

121 28.4 24.7 37.1





#39

Methylcyclohexane

Concen: 10.266 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 60489

Ion Ratio Lower Upper

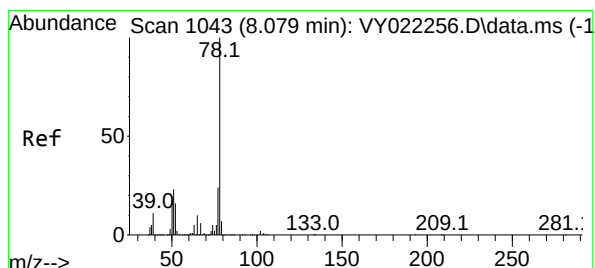
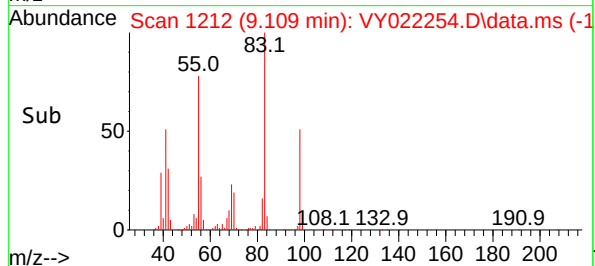
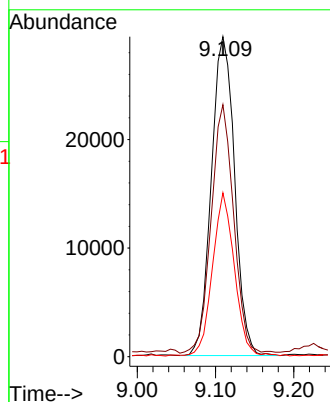
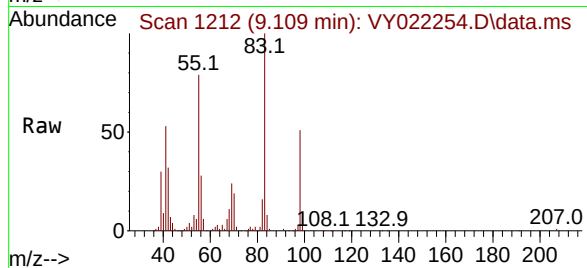
83 100

55 77.9 60.6 90.8

98 51.1 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#40

Benzene

Concen: 10.032 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022254.D

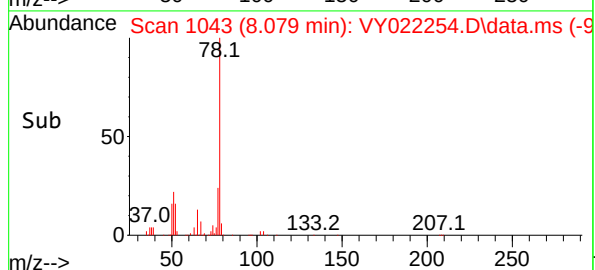
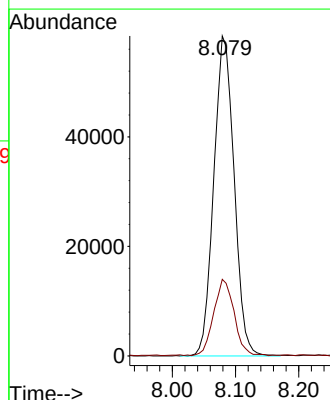
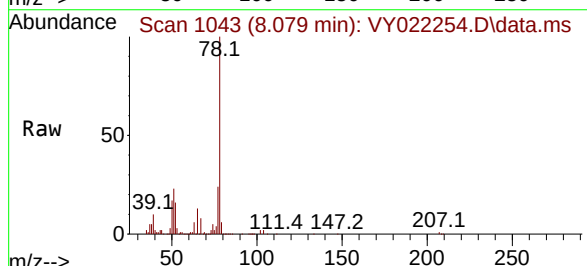
Acq: 15 May 2025 10:16

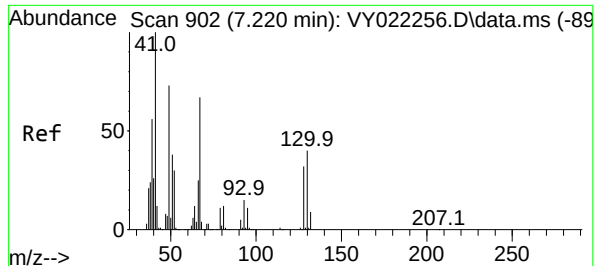
Tgt Ion: 78 Resp: 130423

Ion Ratio Lower Upper

78 100

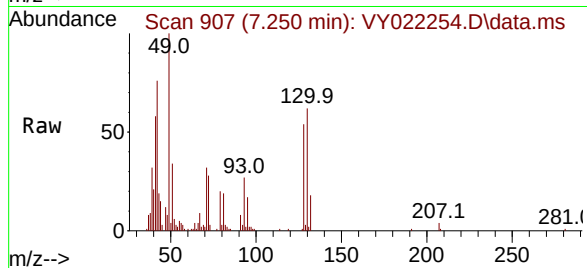
77 23.7 18.9 28.3





#41
Methacrylonitrile
Concen: 10.510 ug/l m
RT: 7.250 min Scan# 902
Delta R.T. 0.030 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

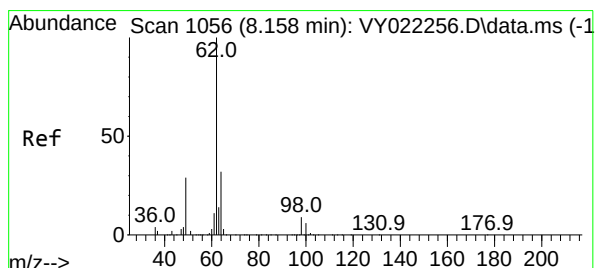
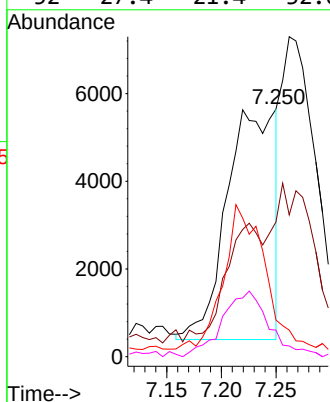
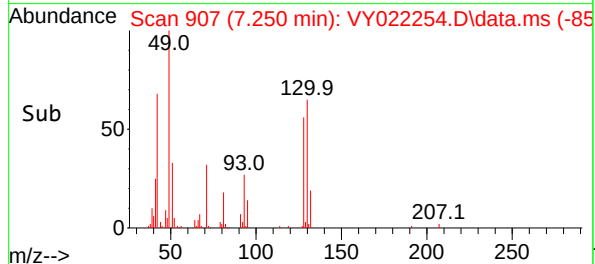
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 16228
Ion Ratio Lower Upper
41 100
39 38.5 39.1 58.7
67 54.4 47.1 70.7
52 27.4 21.4 32.0

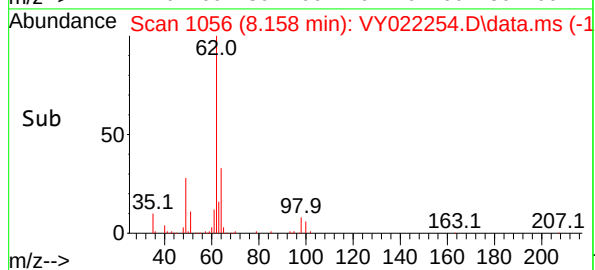
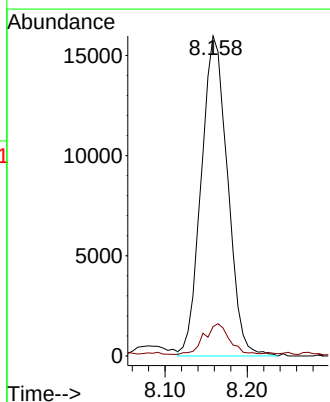
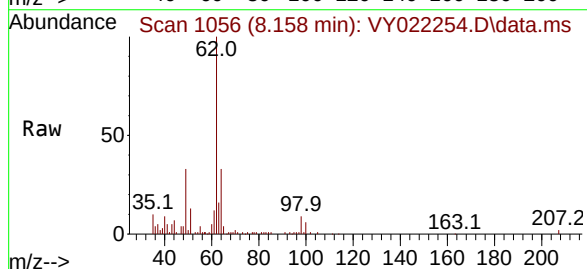
Manual Integrations
APPROVED

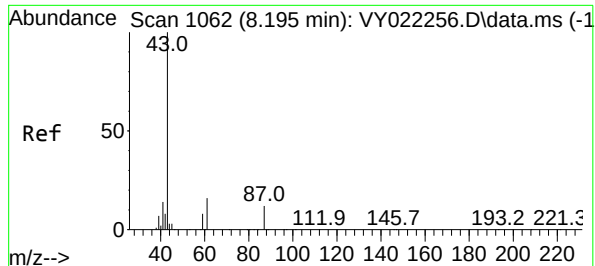
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 10.115 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 35565
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 10.217 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

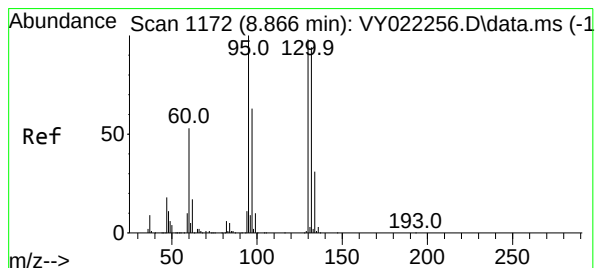
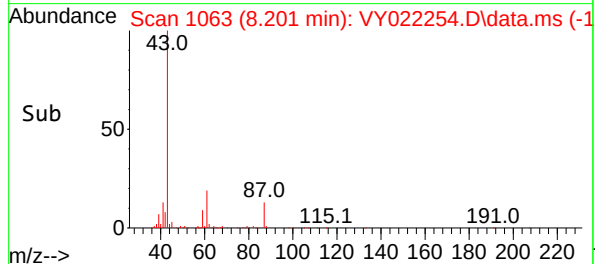
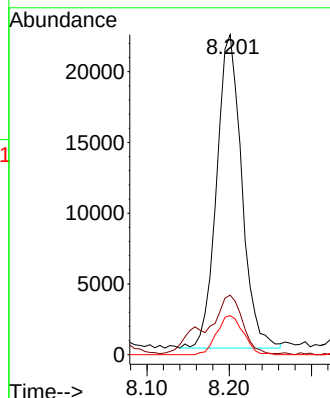
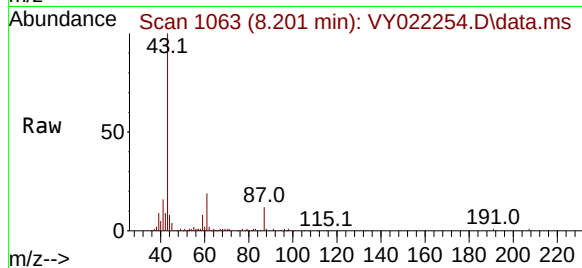
VSTDIC010

Tgt Ion: 43 Resp: 47020
Ion Ratio Lower Upper
43 100
61 19.6 15.1 22.7
87 13.1 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#44

Trichloroethene

Concen: 10.101 ug/l

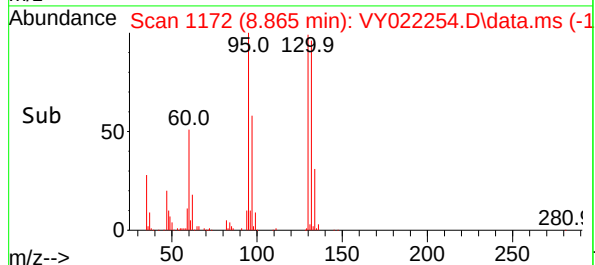
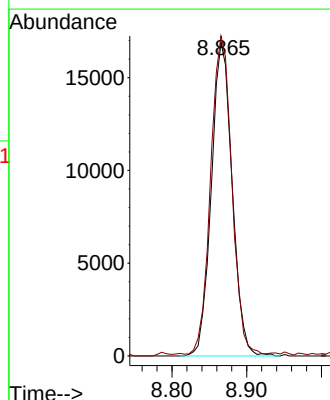
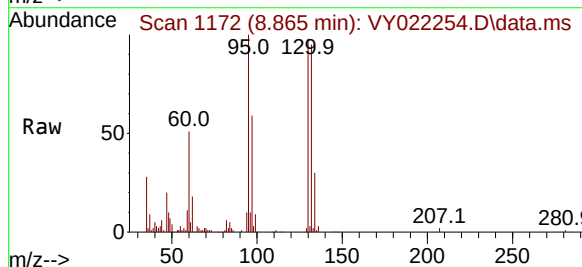
RT: 8.865 min Scan# 1172

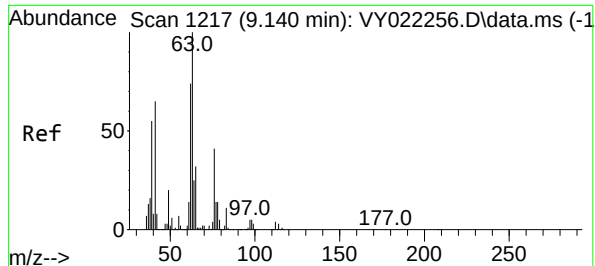
Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion:130 Resp: 32655
Ion Ratio Lower Upper
130 100
95 101.4 0.0 204.8





#45

1,2-Dichloropropane

Concen: 10.264 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 3217

Ion Ratio Lower Upper

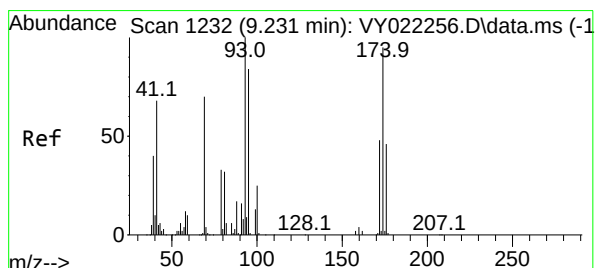
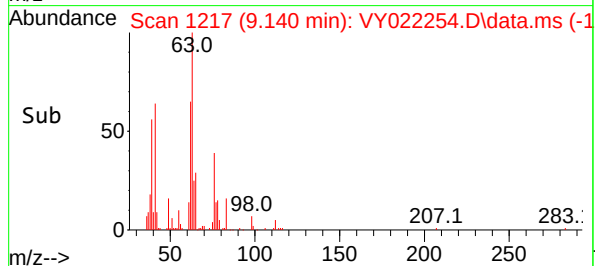
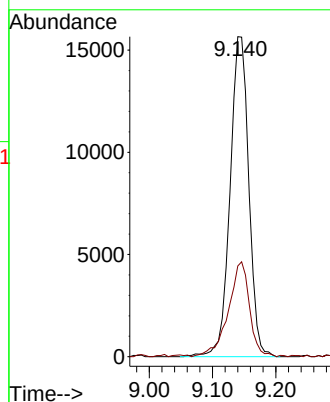
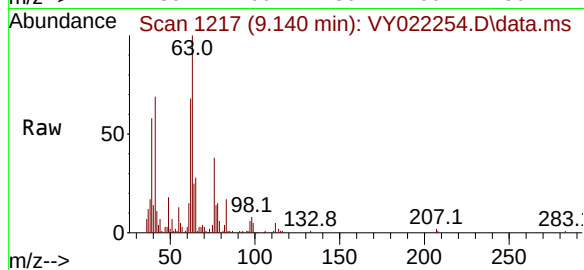
63 100

65 28.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 10.135 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

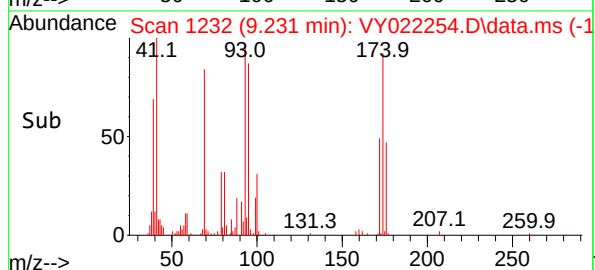
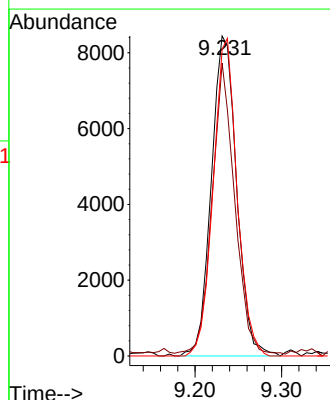
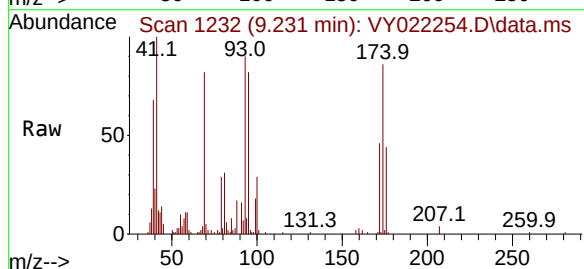
Tgt Ion: 93 Resp: 17134

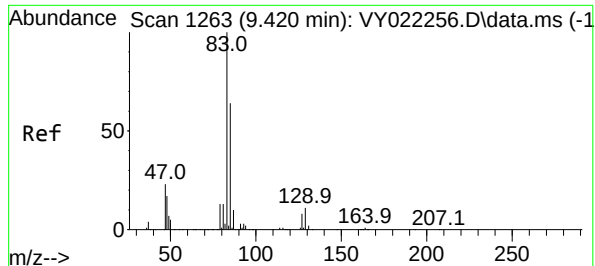
Ion Ratio Lower Upper

93 100

95 82.1 65.2 97.8

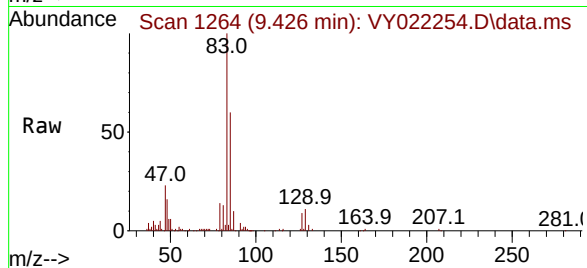
174 93.7 74.3 111.5





#47
Bromodichloromethane
Concen: 10.042 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

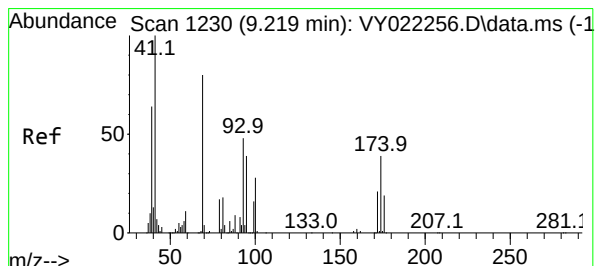
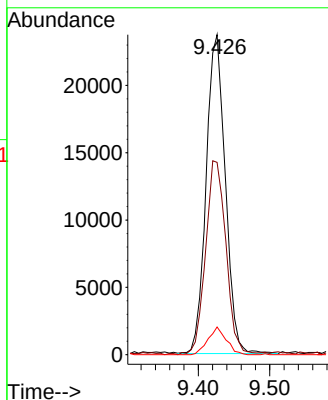
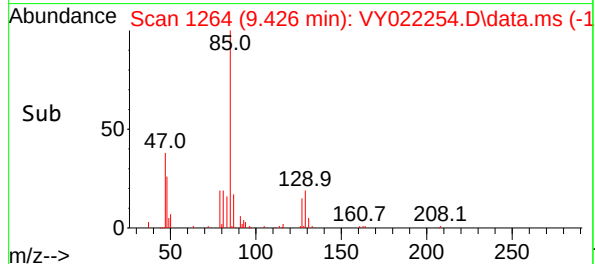
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 83 Resp: 4404
Ion Ratio Lower Upper
83 100
85 60.3 51.1 76.7
127 8.7 6.6 10.0

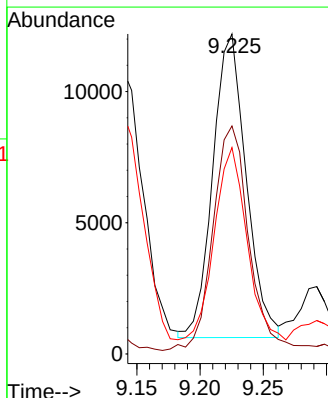
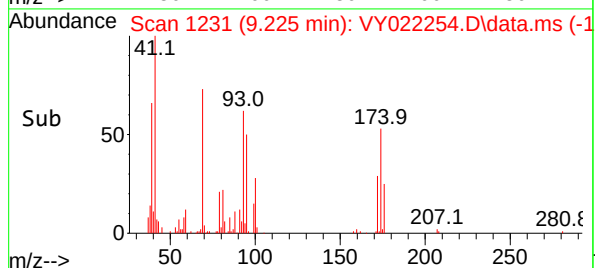
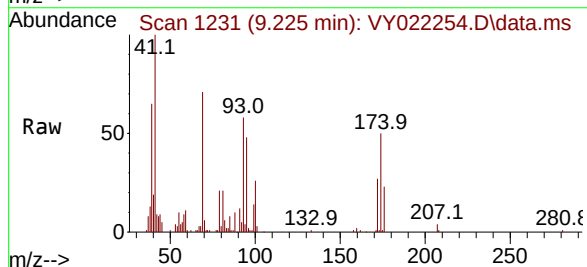
Manual Integrations
APPROVED

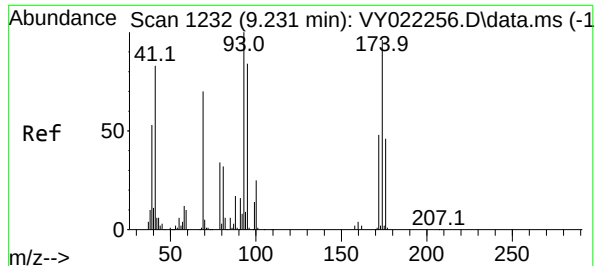
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#48
Methyl methacrylate
Concen: 9.851 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 21202
Ion Ratio Lower Upper
41 100
69 80.5 63.5 95.3
39 62.0 50.8 76.2





#49

1,4-Dioxane

Concen: 205.769 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 3930

Ion Ratio Lower Upper

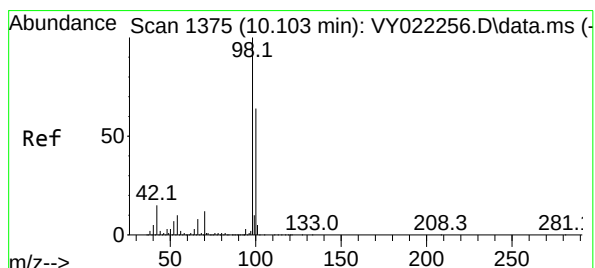
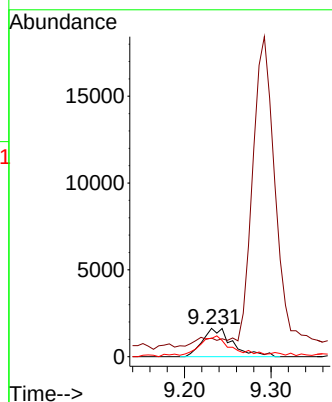
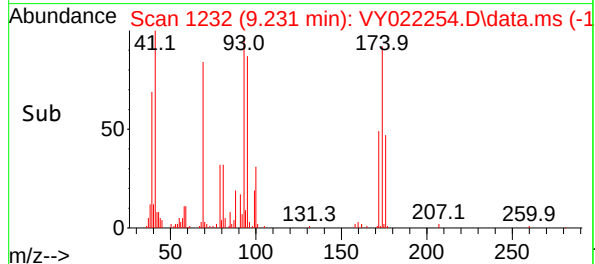
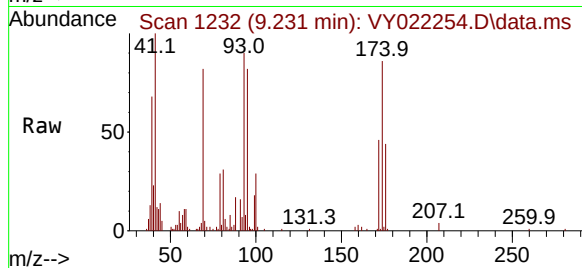
88 100

43 0.0 28.5 42.7

58 84.5 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#50

Toluene-d8

Concen: 9.816 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022254.D

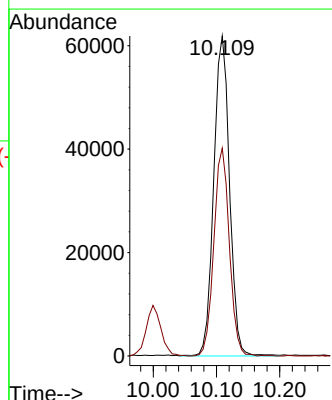
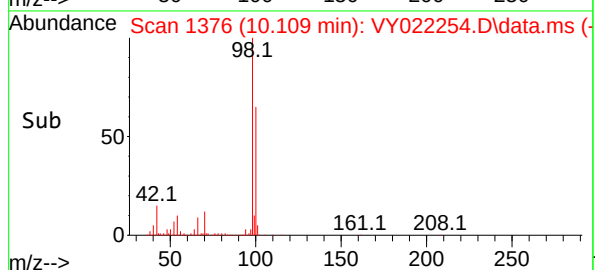
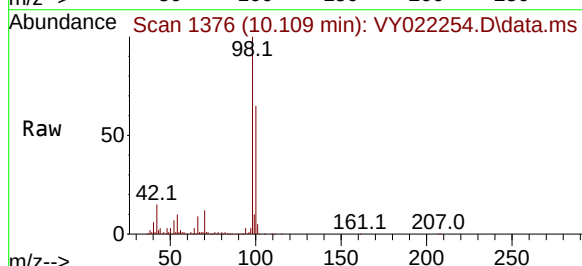
Acq: 15 May 2025 10:16

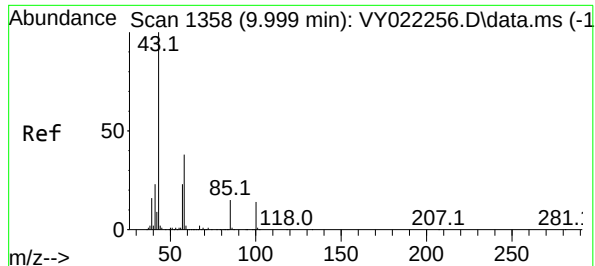
Tgt Ion: 98 Resp: 107048

Ion Ratio Lower Upper

98 100

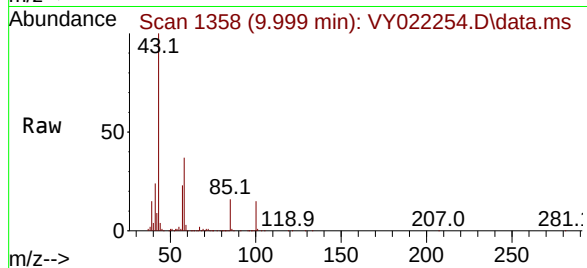
100 63.7 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 48.889 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

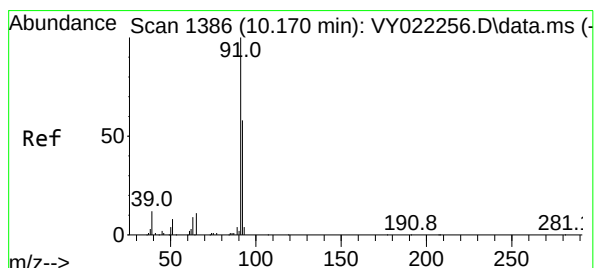
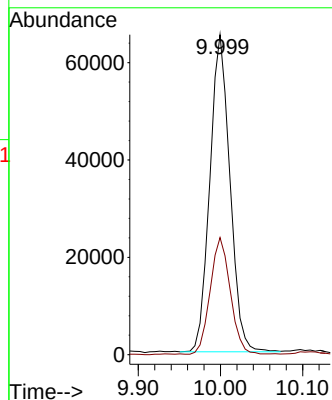
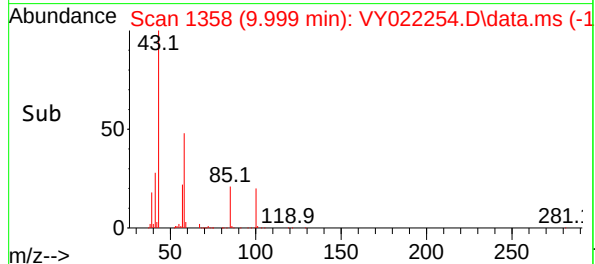
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 110390
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.2

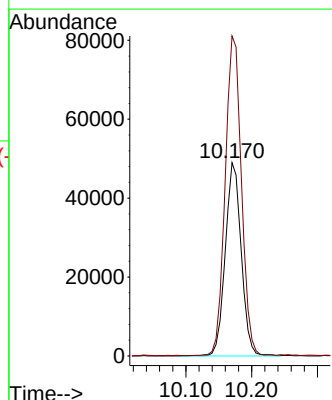
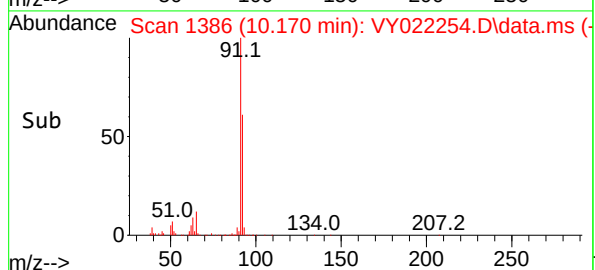
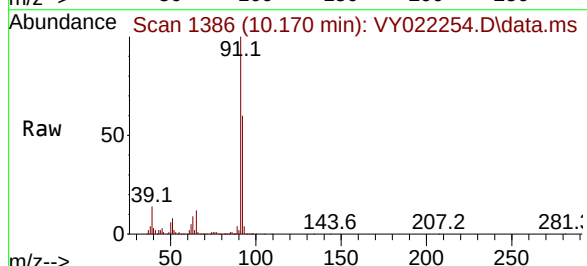
Manual Integrations
APPROVED

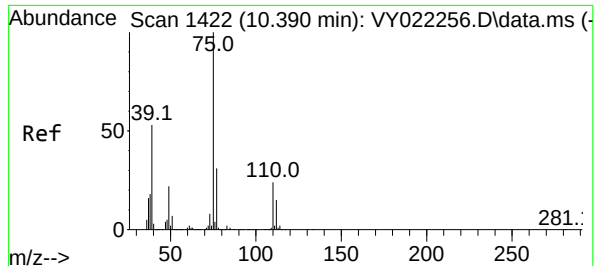
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 10.015 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

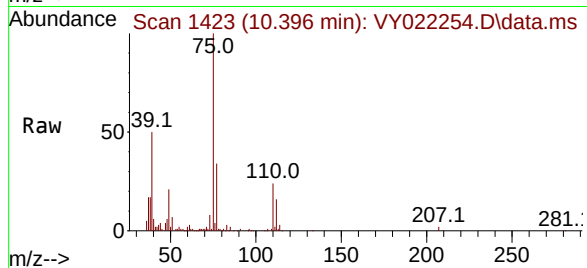
Tgt Ion: 92 Resp: 82453
Ion Ratio Lower Upper
92 100
91 168.8 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 9.849 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

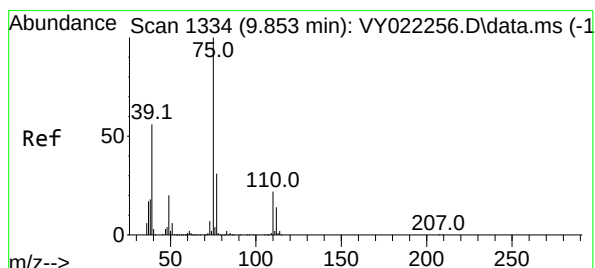
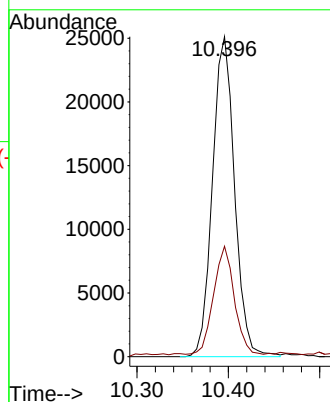
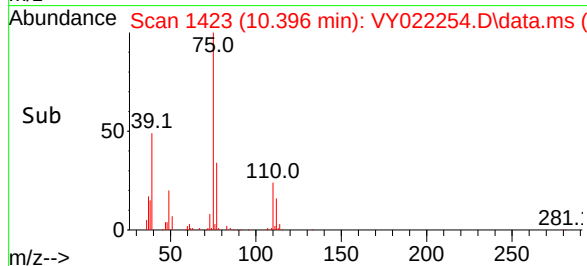
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 42158
Ion Ratio Lower Upper
75 100
77 33.5 25.0 37.6

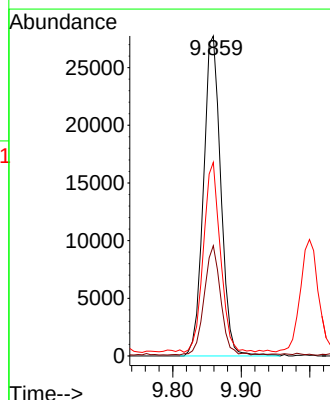
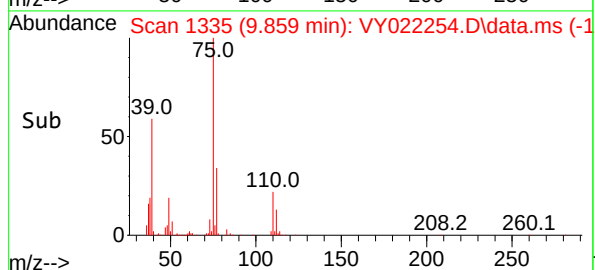
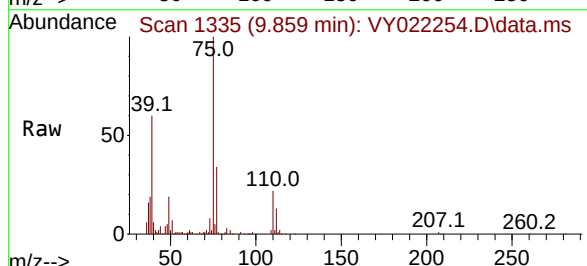
Manual Integrations
APPROVED

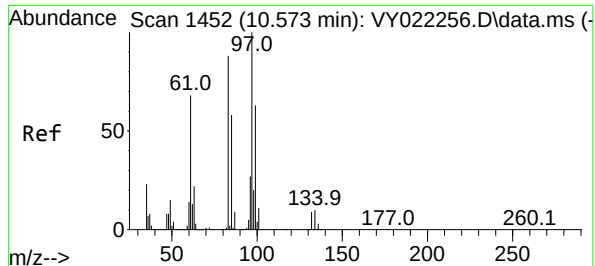
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 9.976 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

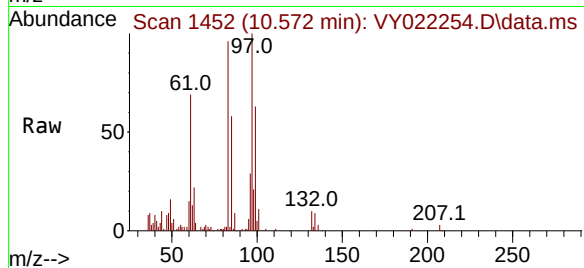
Tgt Ion: 75 Resp: 48923
Ion Ratio Lower Upper
75 100
77 34.1 25.1 37.7
39 58.7 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 10.033 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

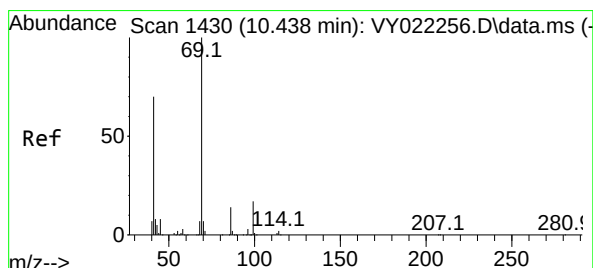
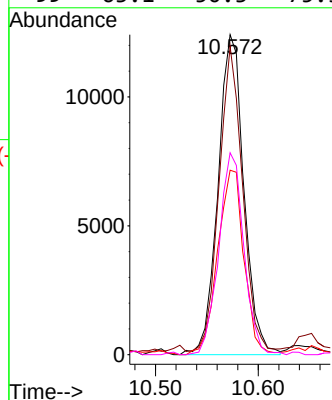
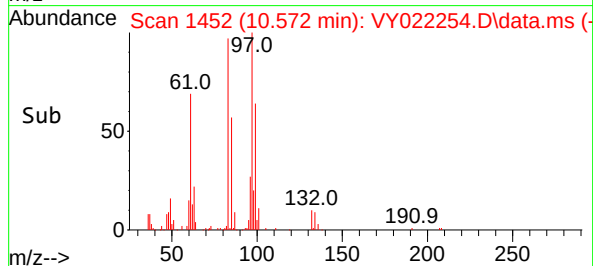
Instrument : MSVOA_Y
ClientSampleId : VSTDICC010



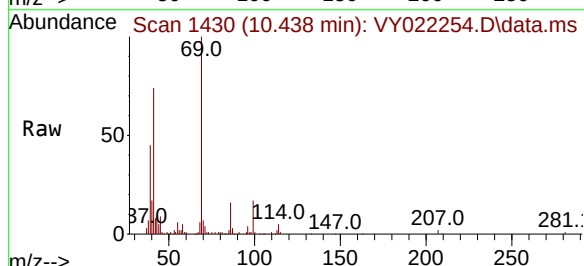
Tgt Ion: 97 Resp: 21720
Ion Ratio Lower Upper
97 100
83 94.5 70.3 105.5
85 57.6 46.2 69.4
99 63.1 50.3 75.5

Manual Integrations
APPROVED

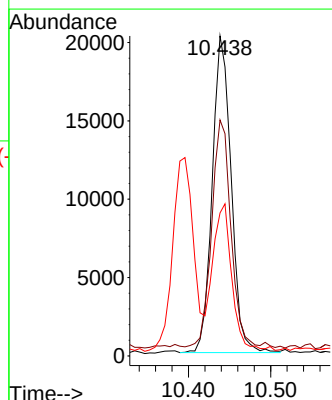
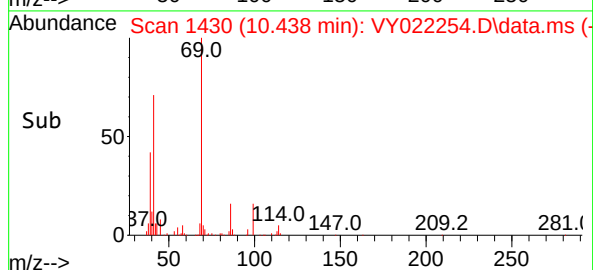
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

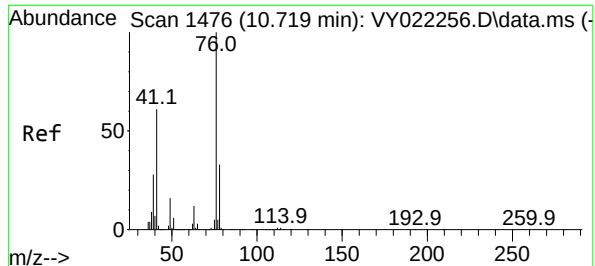


#56
Ethyl methacrylate
Concen: 9.574 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



Tgt Ion: 69 Resp: 32286
Ion Ratio Lower Upper
69 100
41 72.5 56.5 84.7
39 45.6 37.1 55.7





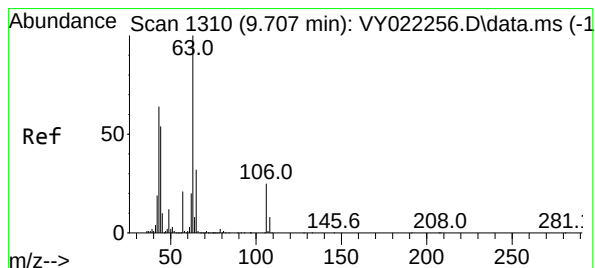
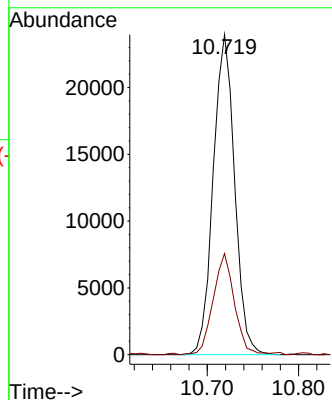
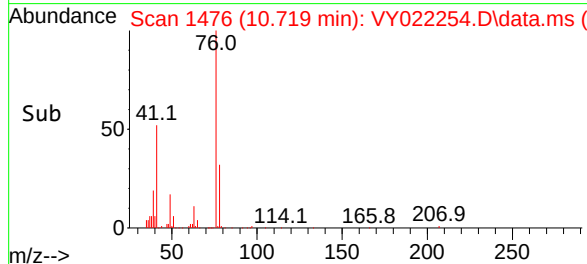
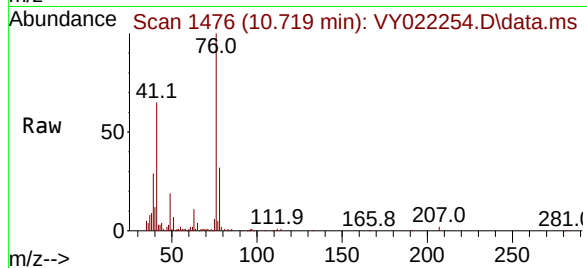
#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 38908
Ion Ratio Lower Upper
76 100
78 31.3 25.8 38.8

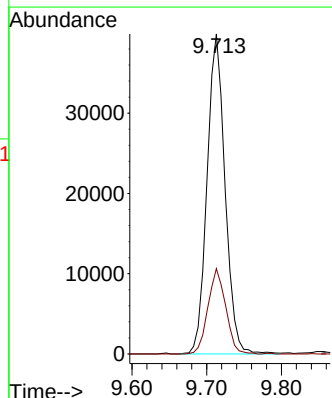
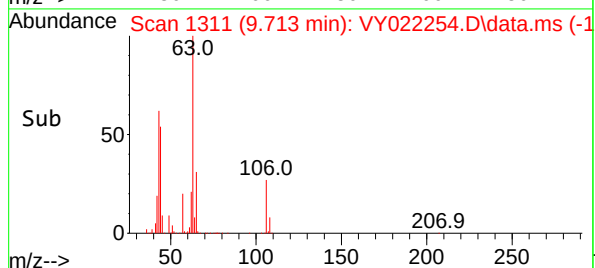
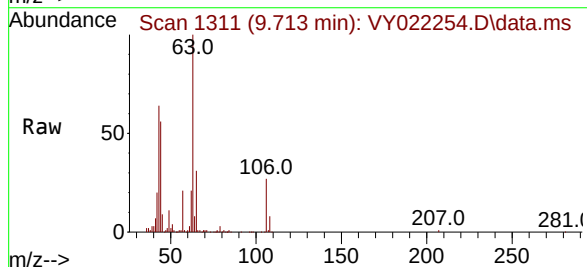
Manual Integrations
APPROVED

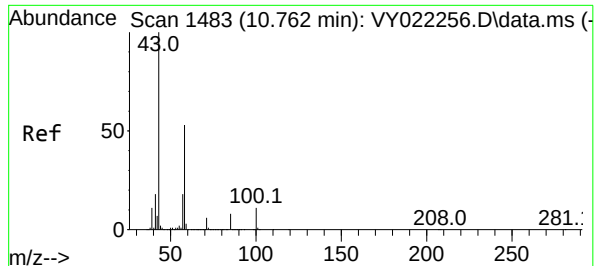
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#58
2-Chloroethyl Vinyl ether
Concen: 44.066 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

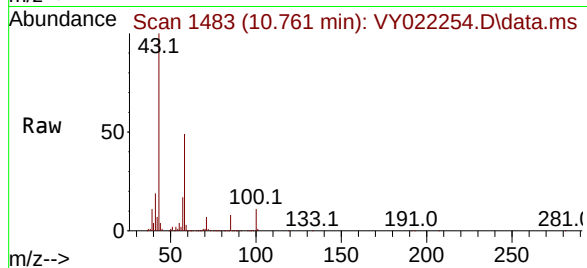
Tgt Ion: 63 Resp: 66700
Ion Ratio Lower Upper
63 100
106 26.3 21.0 31.4





#59
2-Hexanone
Concen: 49.162 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

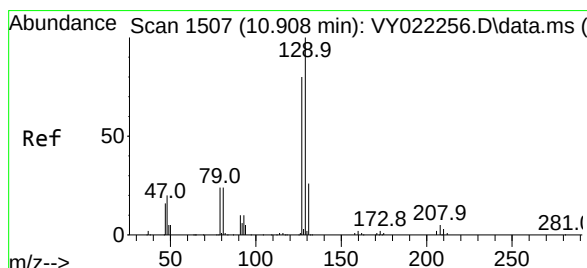
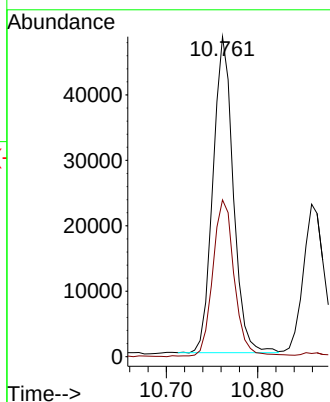
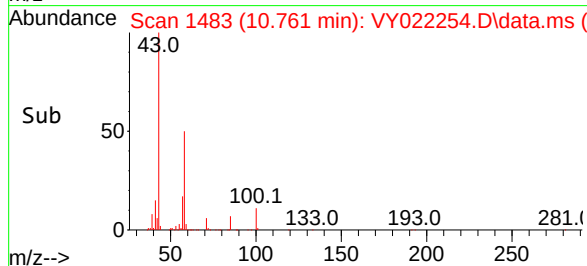
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 74432
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.3

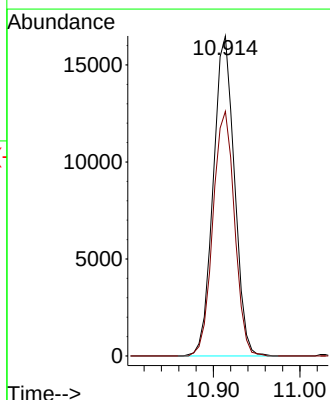
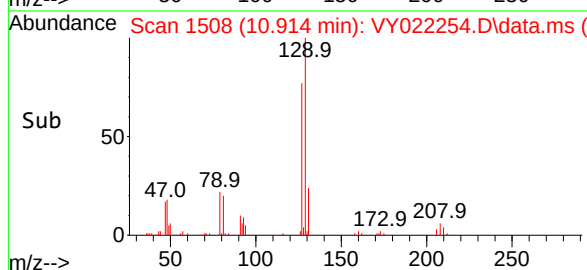
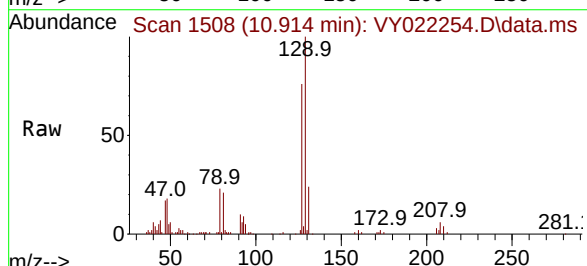
Manual Integrations
APPROVED

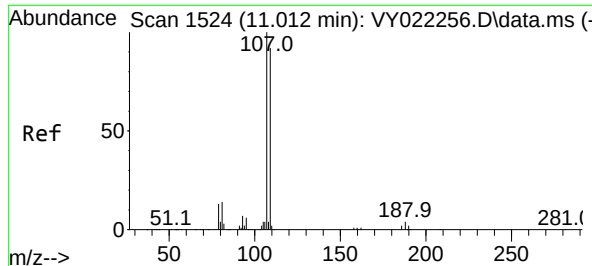
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60
Dibromochloromethane
Concen: 9.965 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

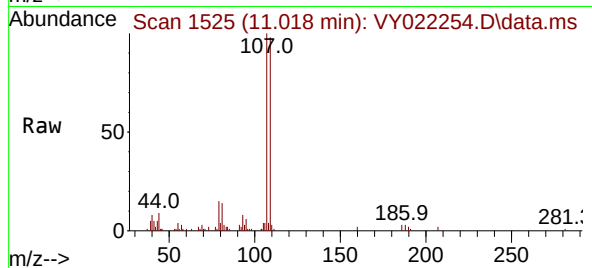
Tgt Ion:129 Resp: 28002
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





#61
1,2-Dibromoethane
Concen: 10.099 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

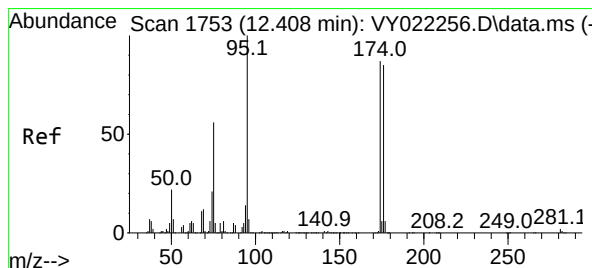
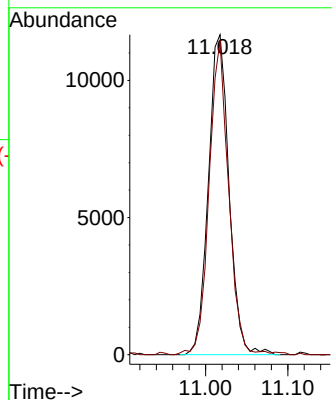
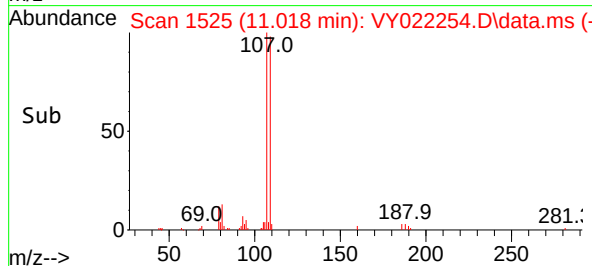
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:107 Resp: 20378
Ion Ratio Lower Upper
107 100
109 92.6 74.6 111.8

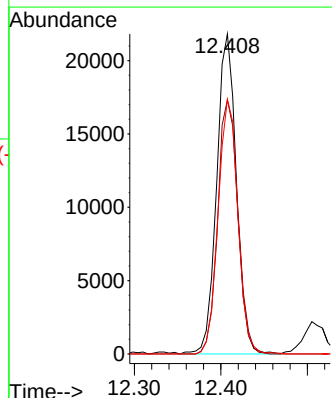
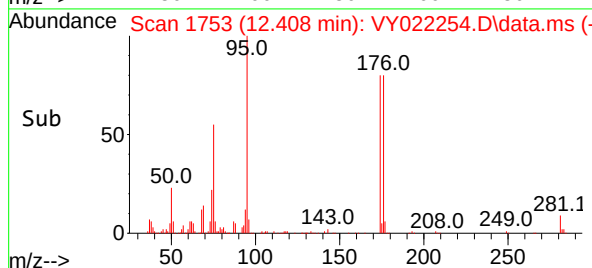
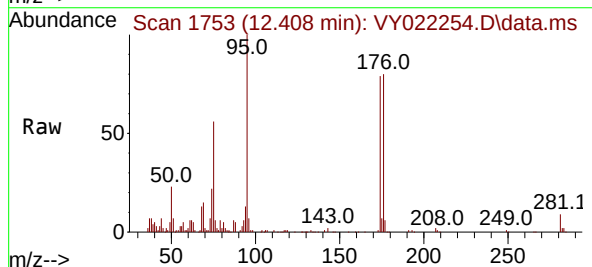
Manual Integrations
APPROVED

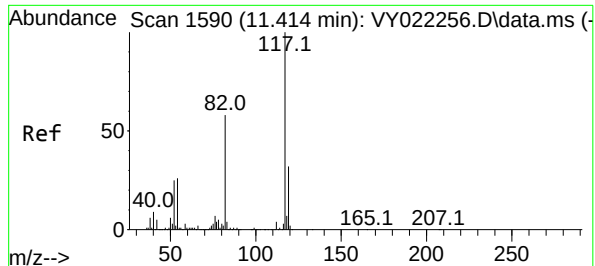
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 9.959 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

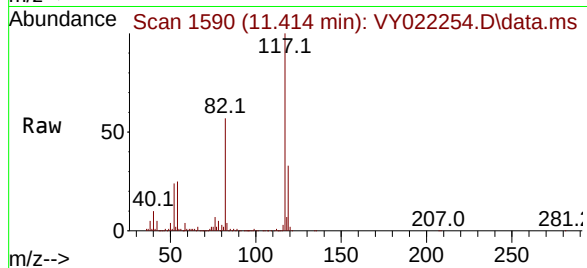
Tgt Ion: 95 Resp: 34423
Ion Ratio Lower Upper
95 100
174 81.3 0.0 166.8
176 79.7 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

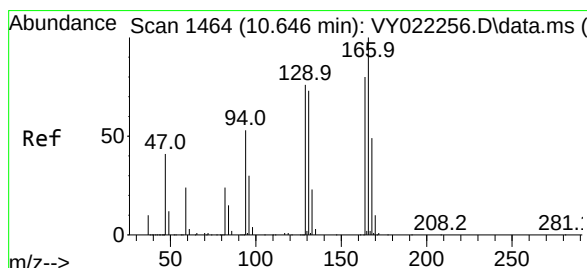
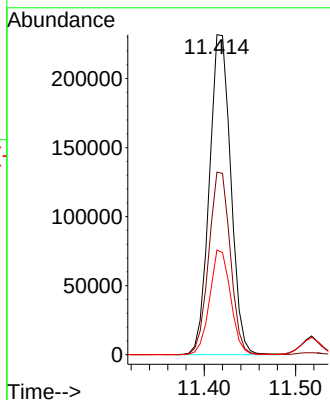
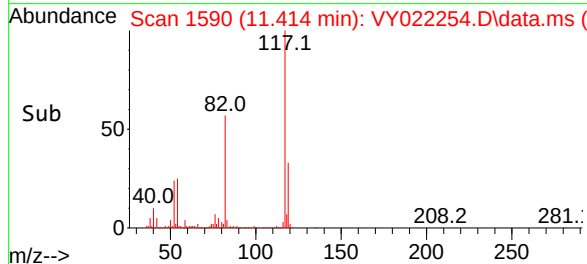
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



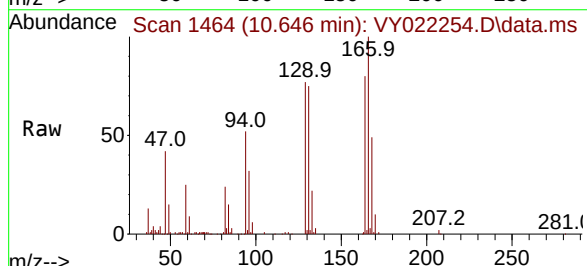
Tgt Ion:117 Resp: 37721
Ion Ratio Lower Upper
117 100
82 57.0 46.6 70.0
119 32.7 25.8 38.6

Manual Integrations
APPROVED

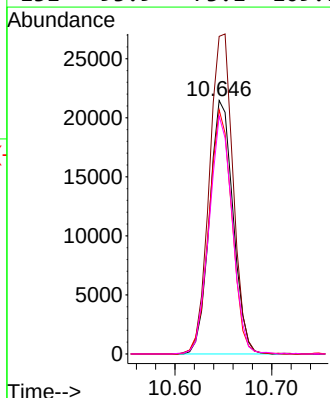
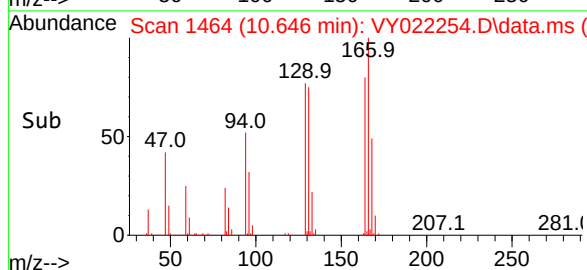
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

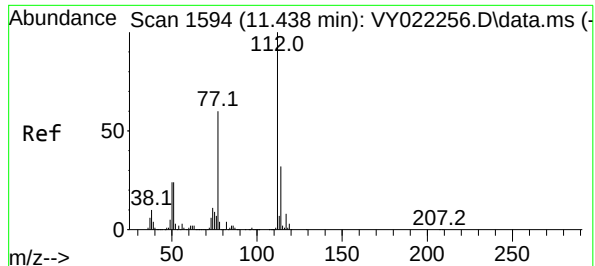


#64
Tetrachloroethene
Concen: 10.404 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



Tgt Ion:164 Resp: 36274
Ion Ratio Lower Upper
164 100
166 125.3 100.4 150.6
129 96.3 76.4 114.6
131 93.9 73.1 109.7





#65

Chlorobenzene

Concen: 9.839 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 83730

Ion Ratio Lower Upper

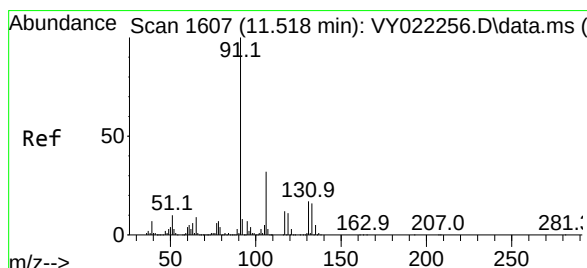
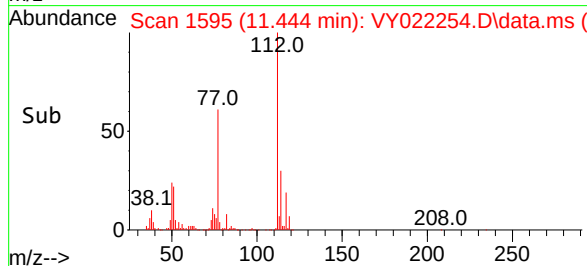
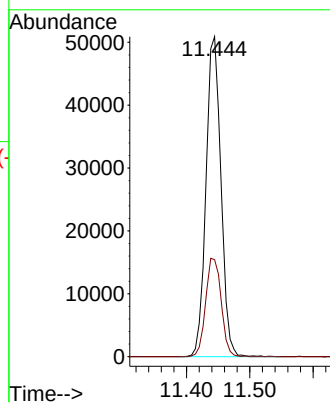
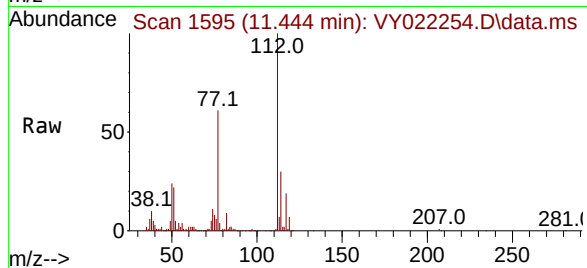
112 100

114 30.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 9.721 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

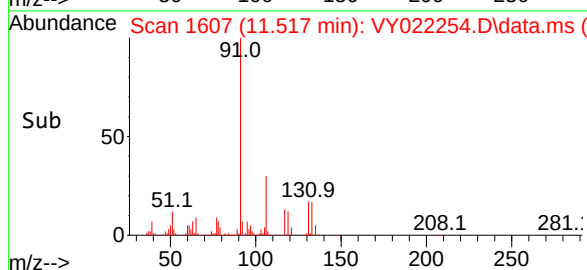
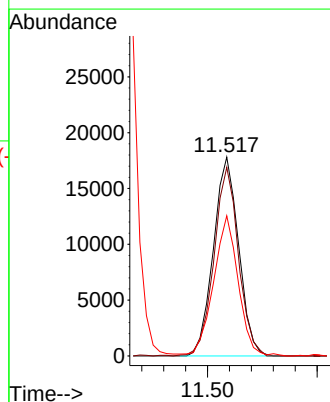
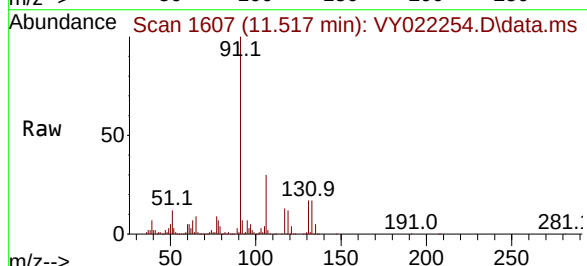
Tgt Ion:131 Resp: 28441

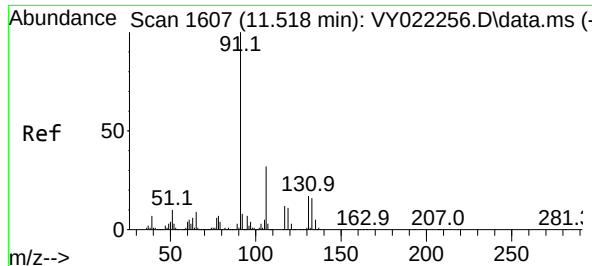
Ion Ratio Lower Upper

131 100

133 92.3 47.3 141.9

119 69.0 33.1 99.2





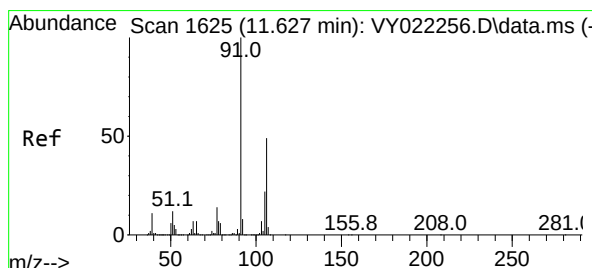
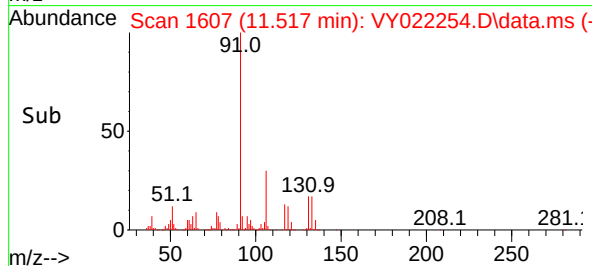
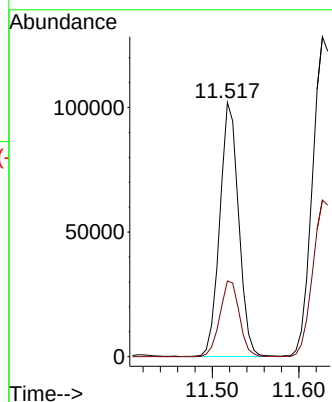
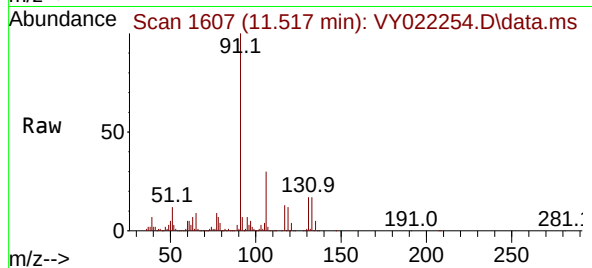
#67
Ethyl Benzene
Concen: 9.672 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 15415
Ion Ratio Lower Upper
91 100
106 29.8 25.4 38.0

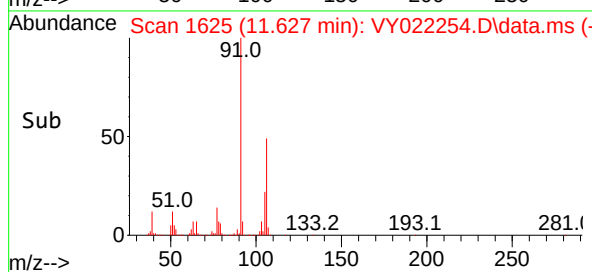
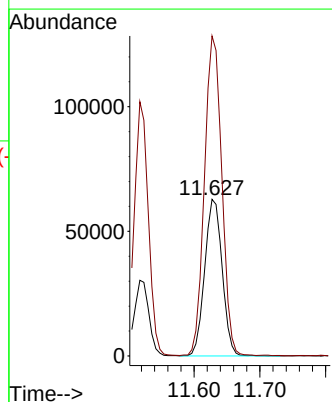
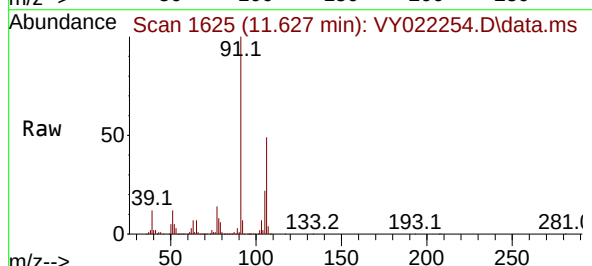
Manual Integrations
APPROVED

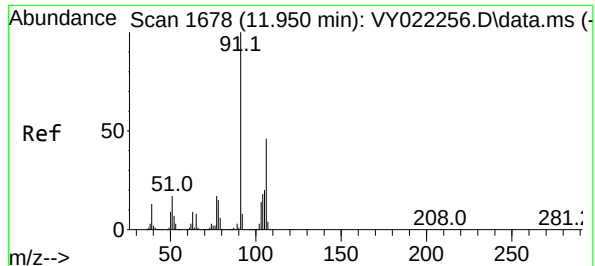
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 116113
Ion Ratio Lower Upper
106 100
91 202.4 163.0 244.4





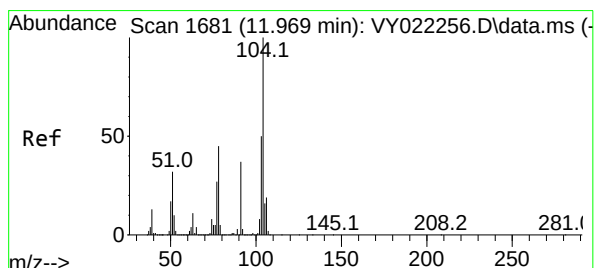
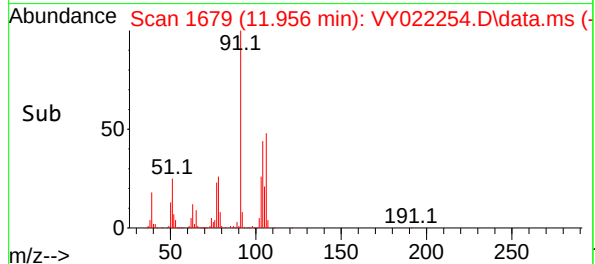
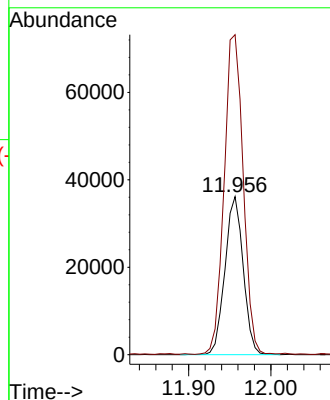
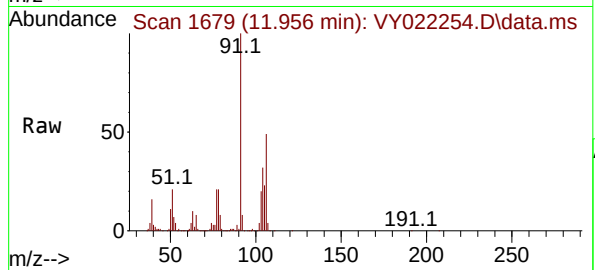
#69
o-Xylene
Concen: 9.837 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 55890
Ion Ratio Lower Upper
106 100
91 210.6 108.3 324.8

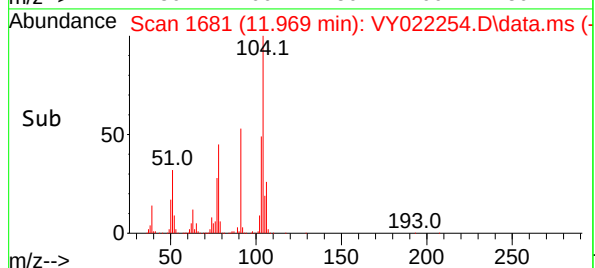
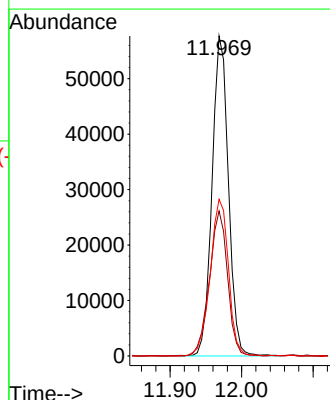
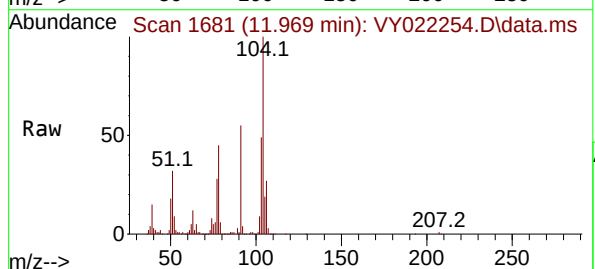
Manual Integrations
APPROVED

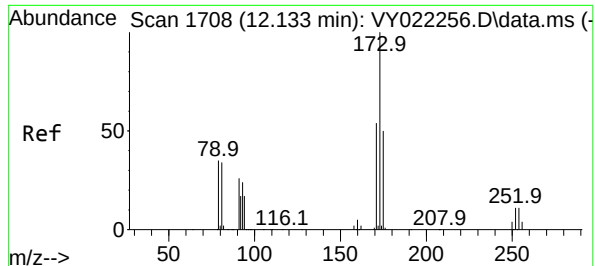
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 9.553 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

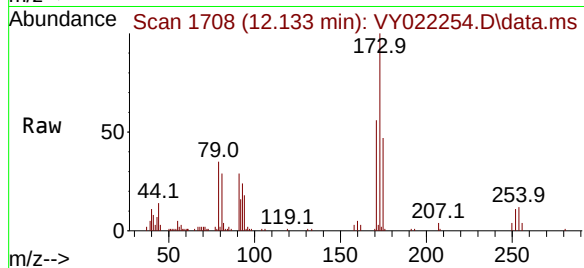
Tgt Ion:104 Resp: 91569
Ion Ratio Lower Upper
104 100
78 50.4 40.9 61.3
103 54.7 43.7 65.5





#71
Bromoform
Concen: 10.228 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

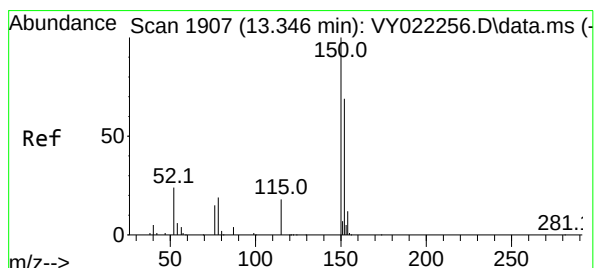
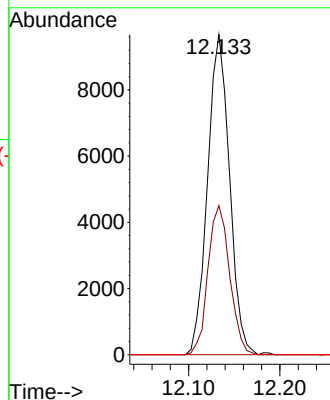
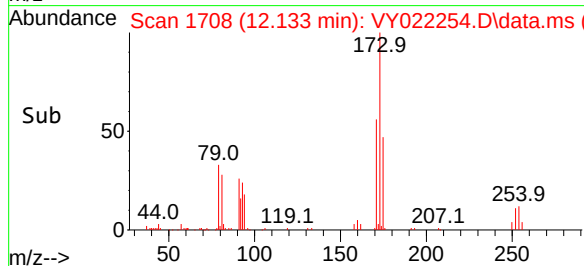
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



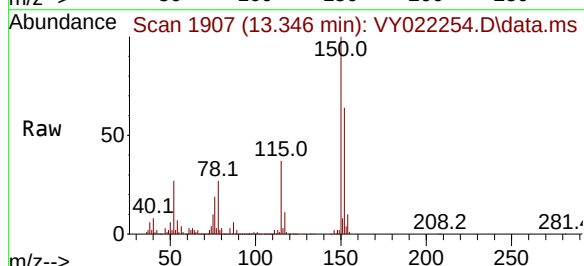
Tgt Ion:173 Resp: 1615
Ion Ratio Lower Upper
173 100
175 45.9 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

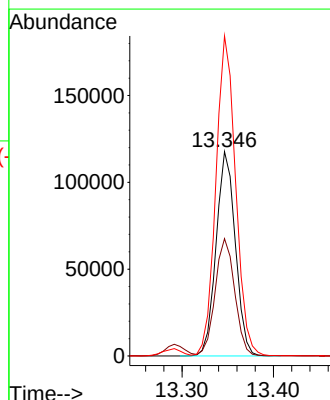
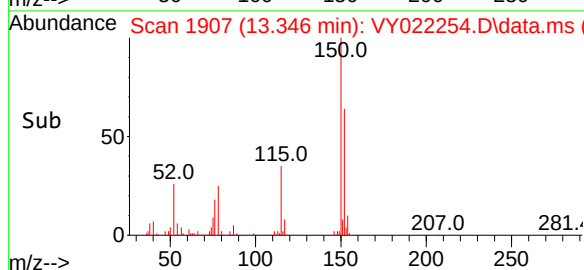
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

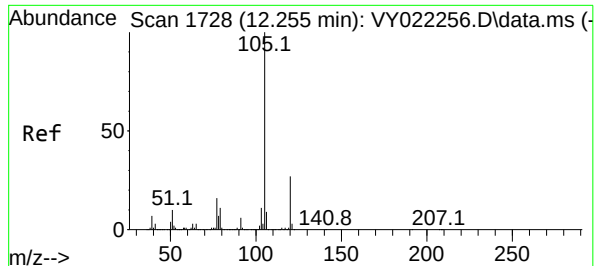


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



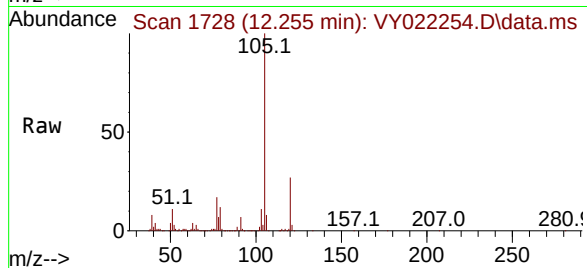
Tgt Ion:152 Resp: 171972
Ion Ratio Lower Upper
152 100
115 58.4 29.4 88.2
150 161.2 0.0 353.8





#73
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

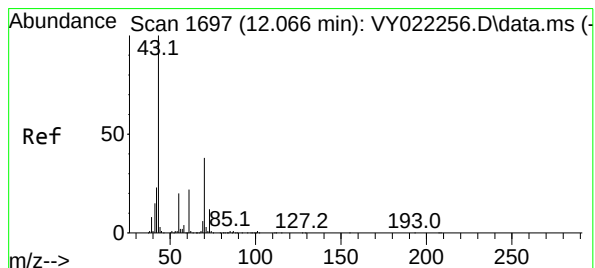
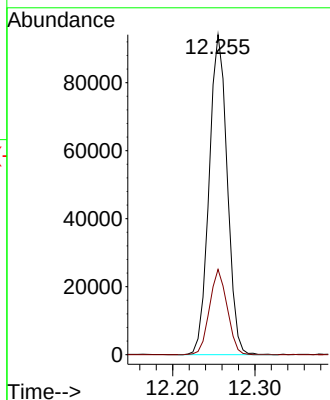
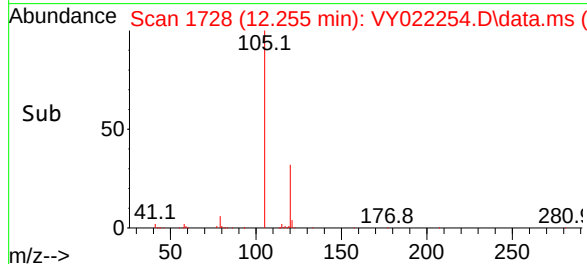
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:105 Resp: 144180
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6

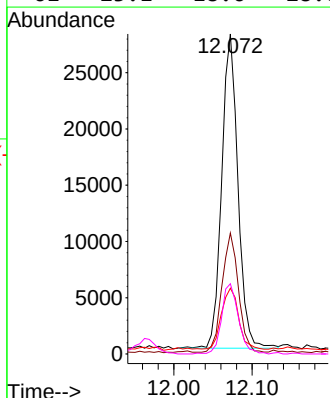
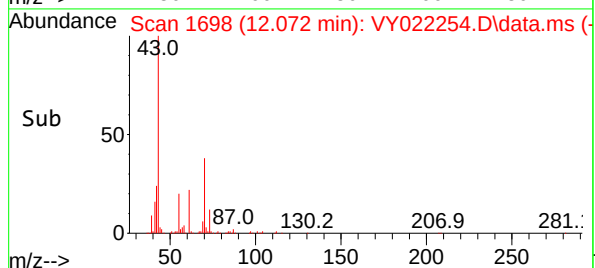
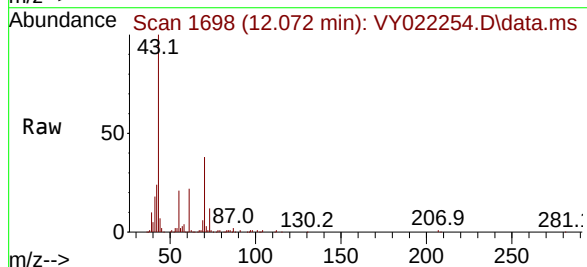
Manual Integrations
APPROVED

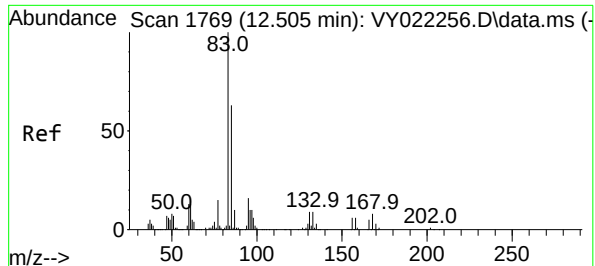
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 9.901 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

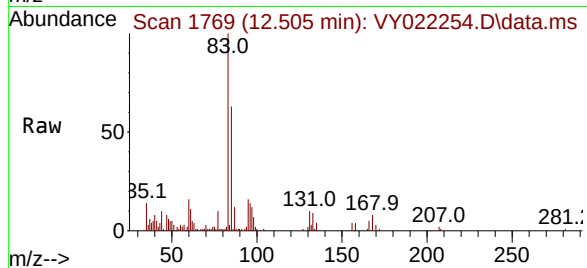
Tgt Ion: 43 Resp: 40345
Ion Ratio Lower Upper
43 100
70 38.2 31.4 47.0
55 20.5 17.0 25.6
61 23.1 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 10.152 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

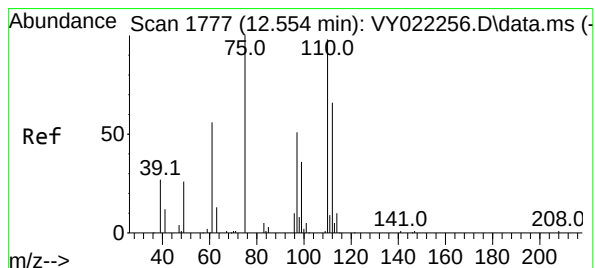
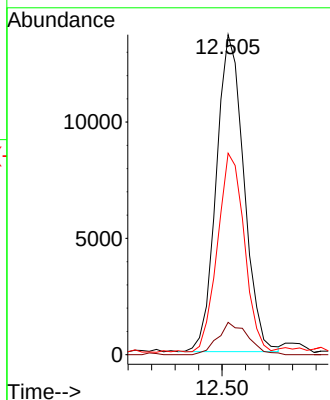
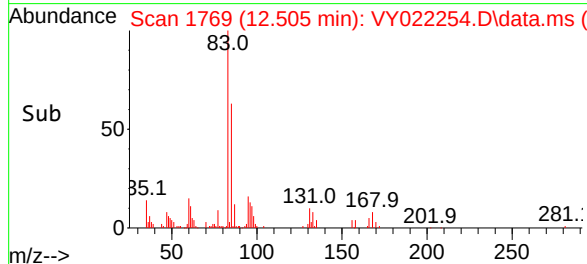
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



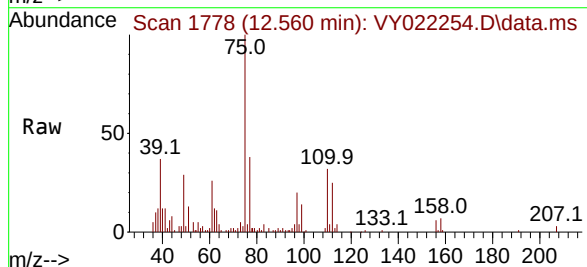
Tgt Ion: 83 Resp: 2224
Ion Ratio Lower Upper
83 100
131 11.1 4.9 14.7
85 60.8 32.0 96.0

Manual Integrations
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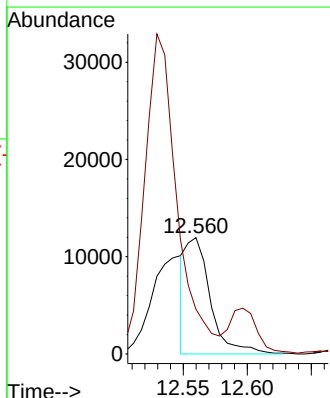
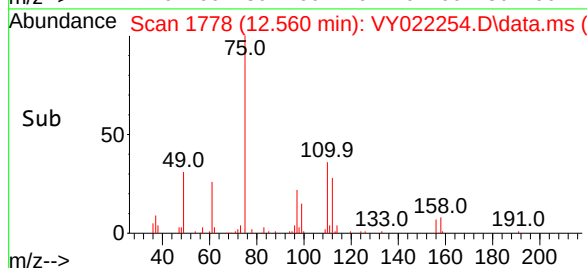
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

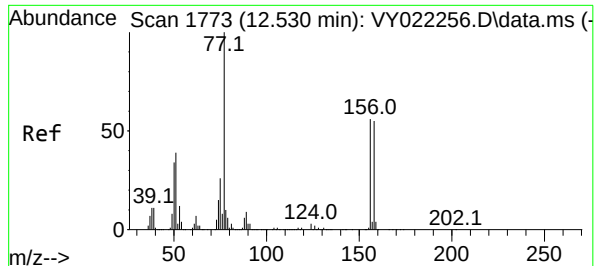


#76
1,2,3-Trichloropropane
Concen: 5.297 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



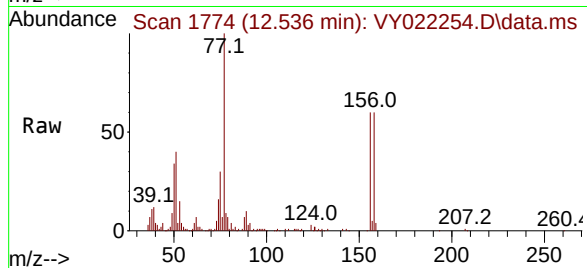
Tgt Ion: 75 Resp: 16056
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 10.005 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

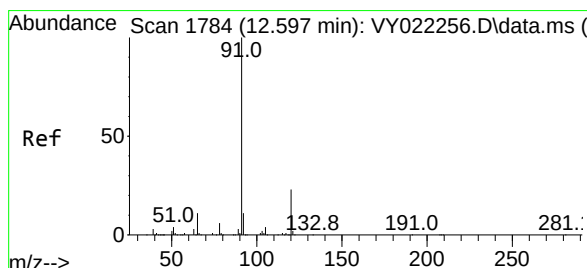
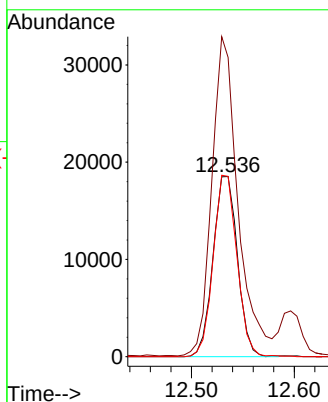
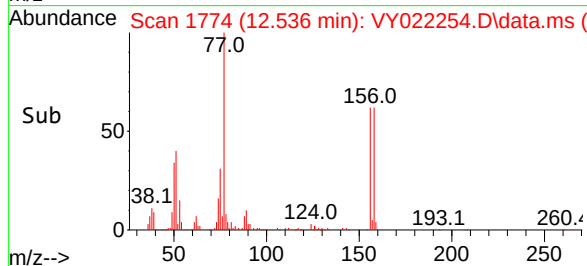
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:156 Resp: 3044
Ion Ratio Lower Upper
156 100
77 189.7 94.5 283.6
158 98.1 48.4 145.3

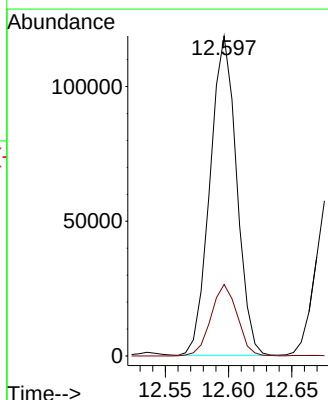
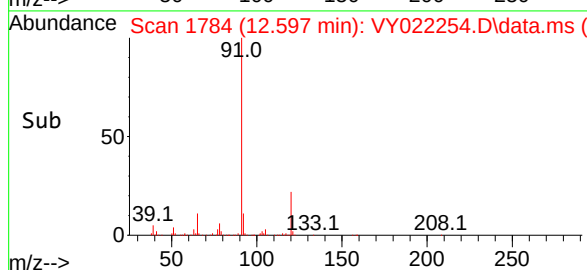
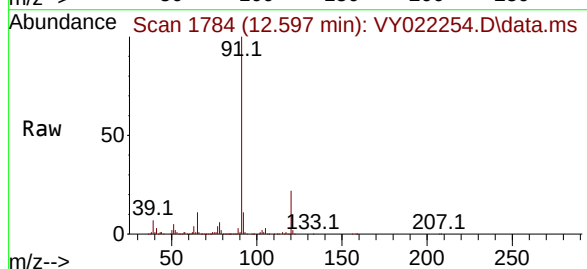
Manual Integrations
APPROVED

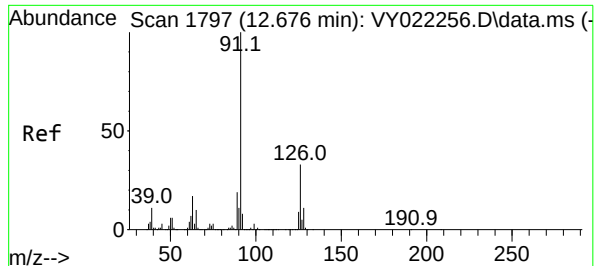
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 10.101 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 173575
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 10.146 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 9581

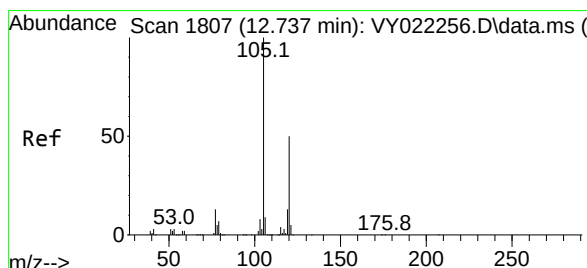
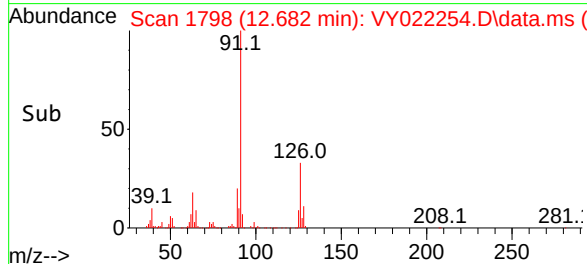
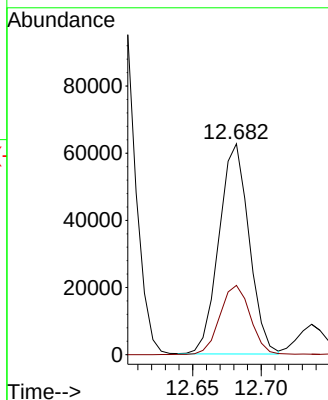
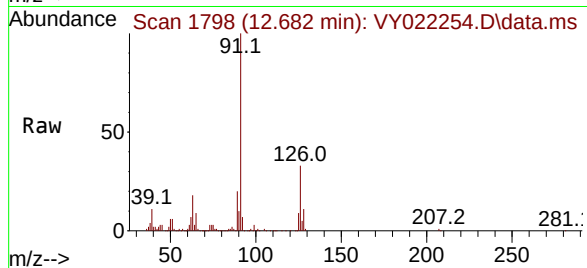
Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#80

1,3,5-Trimethylbenzene

Concen: 10.126 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022254.D

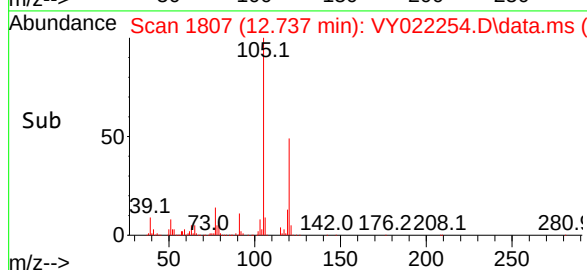
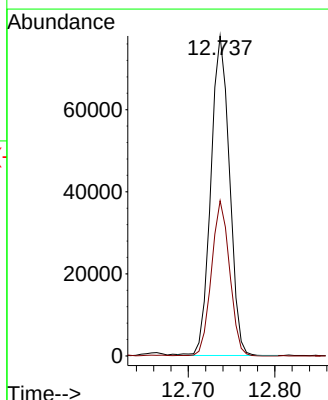
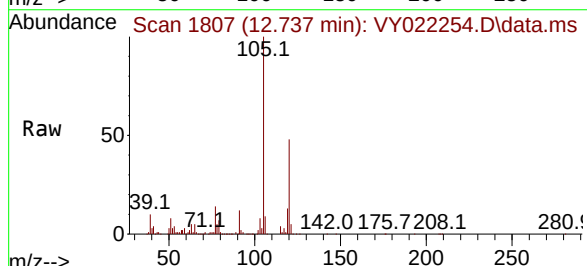
Acq: 15 May 2025 10:16

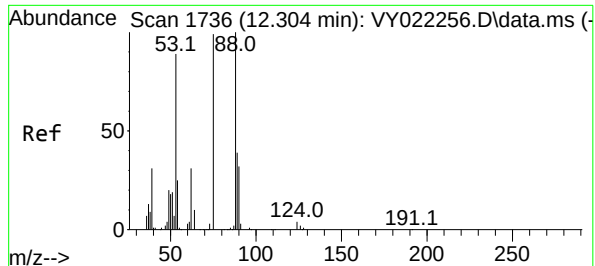
Tgt Ion:105 Resp: 116461

Ion Ratio Lower Upper

105 100

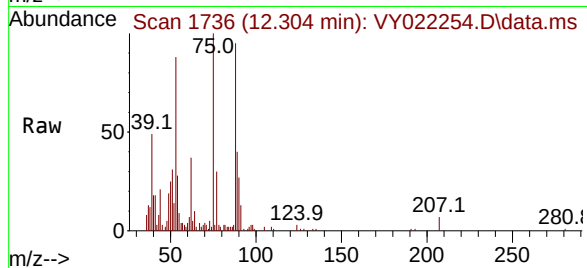
120 47.4 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 10.388 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

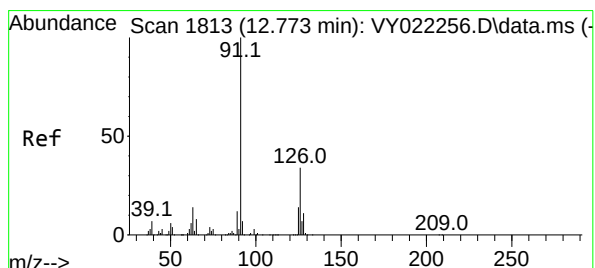
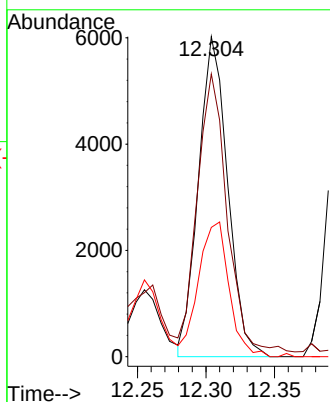
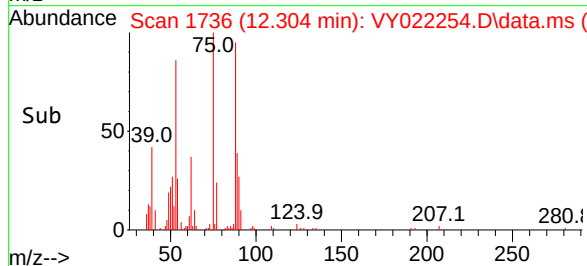
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 8934
Ion Ratio Lower Upper
75 100
53 87.6 75.8 113.8
89 44.0 36.2 54.2

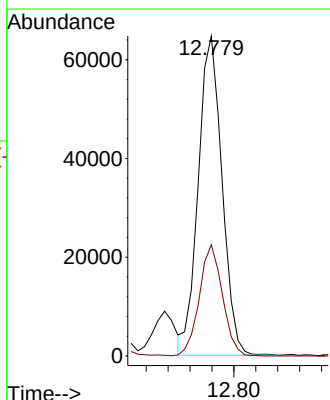
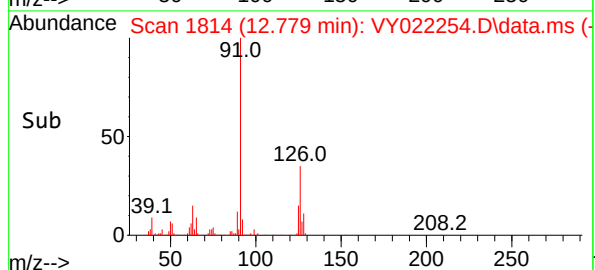
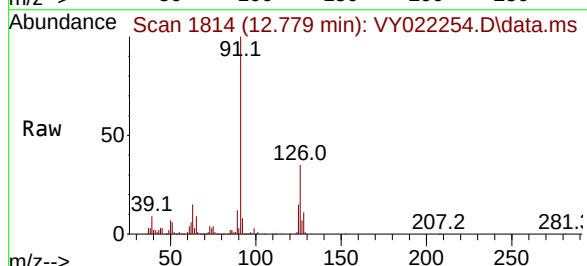
Manual Integrations
APPROVED

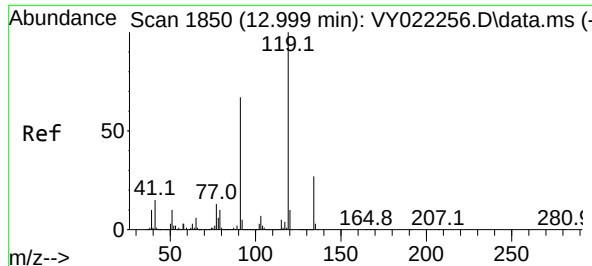
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 10.018 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

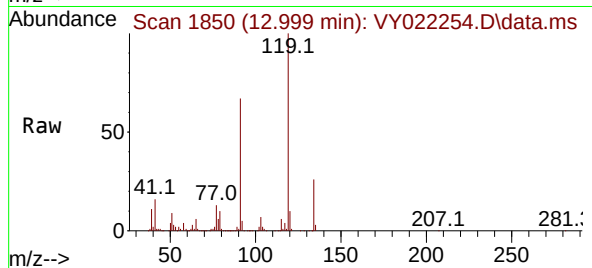
Tgt Ion: 91 Resp: 97309
Ion Ratio Lower Upper
91 100
126 33.9 16.8 50.4





#83
tert-Butylbenzene
Concen: 10.005 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

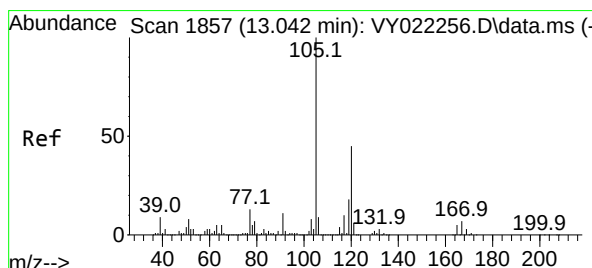
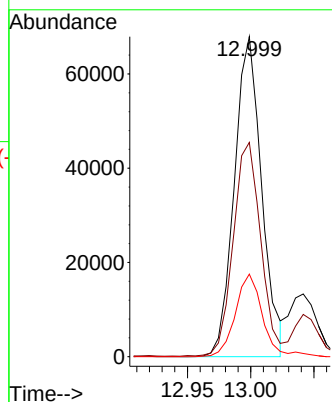
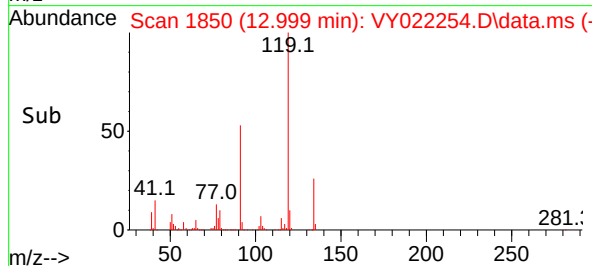
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:119 Resp: 102274
Ion Ratio Lower Upper
119 100
91 66.9 32.8 98.3
134 25.7 12.9 38.6

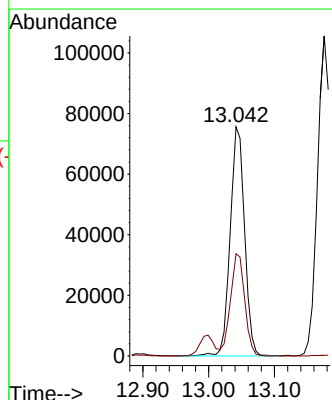
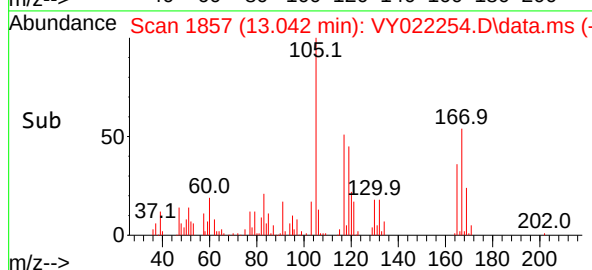
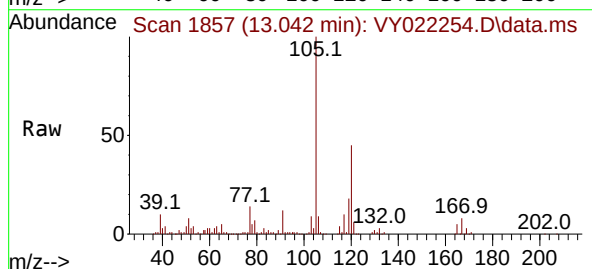
Manual Integrations
APPROVED

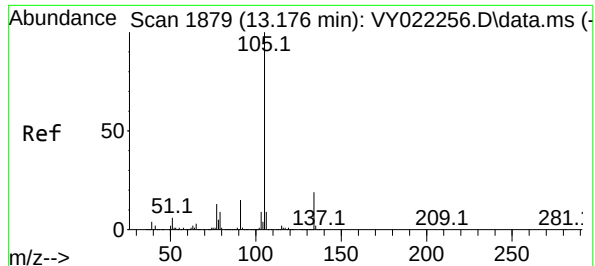
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

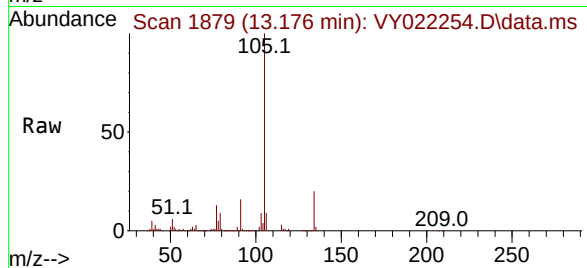
Tgt Ion:105 Resp: 115175
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9





#85
sec-Butylbenzene
Concen: 10.112 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

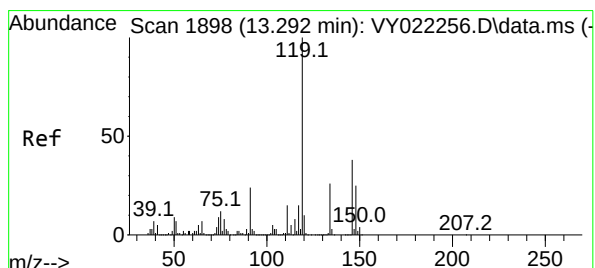
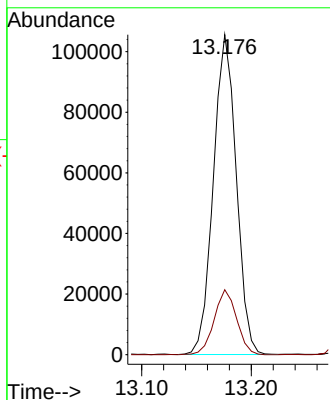
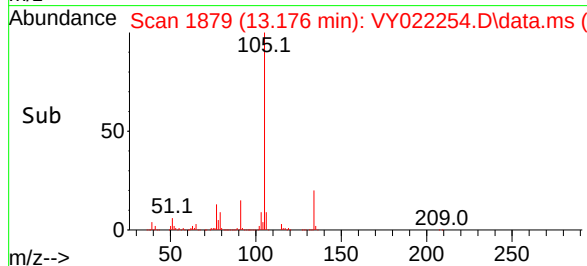
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:105 Resp: 15344
Ion Ratio Lower Upper
105 100
134 19.9 9.8 29.5

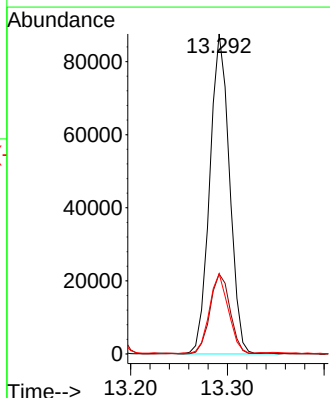
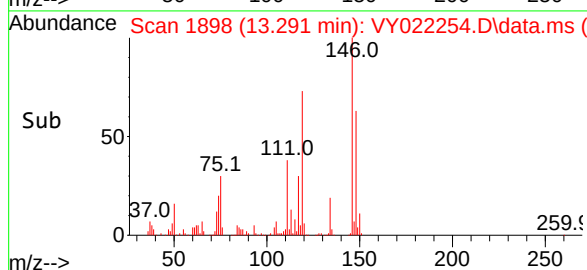
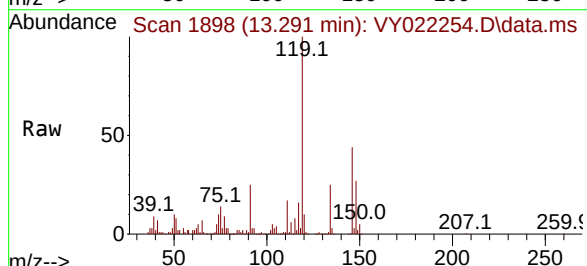
Manual Integrations
APPROVED

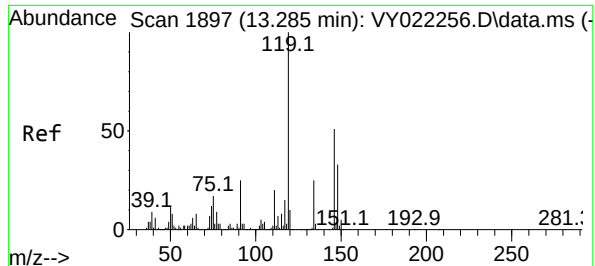
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#86
p-Isopropyltoluene
Concen: 9.728 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 124147
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.6
91 24.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 9.822 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

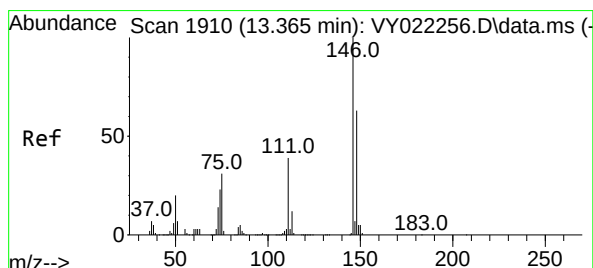
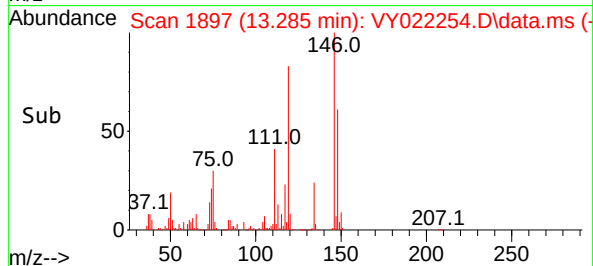
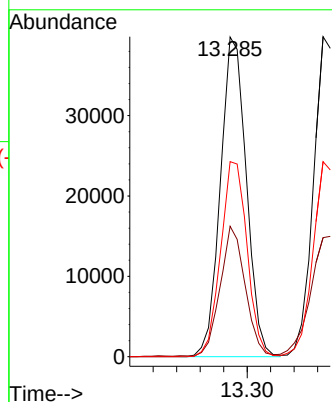
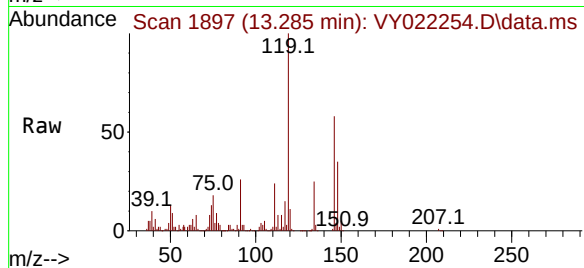
VSTDIC010

Tgt Ion:	146	Resp:	6101
Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	62.1	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 10.163 ug/l

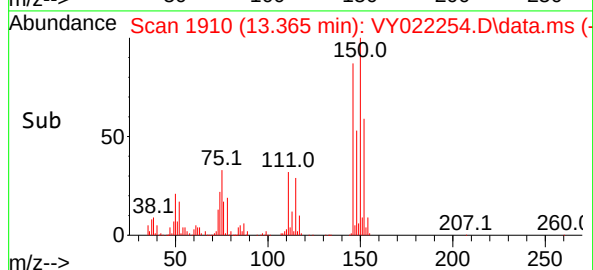
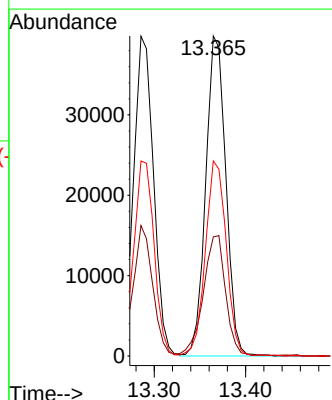
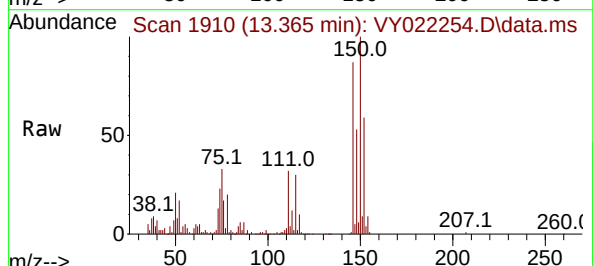
RT: 13.365 min Scan# 1910

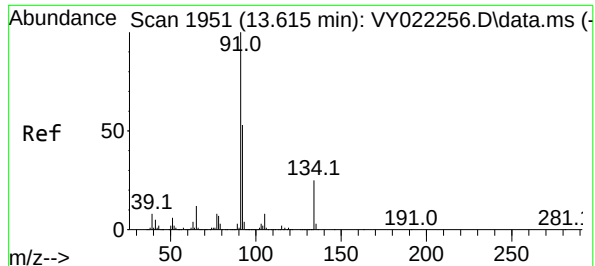
Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Tgt Ion:	146	Resp:	60723
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	62.5	32.1	96.5





#89

n-Butylbenzene

Concen: 9.970 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 12037

Ion Ratio Lower Upper

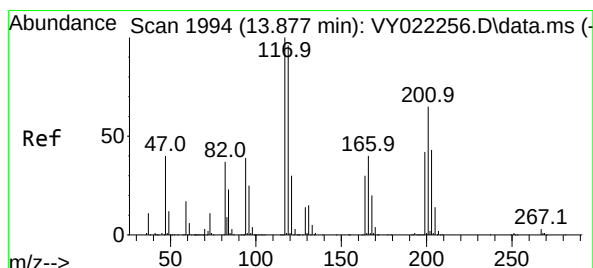
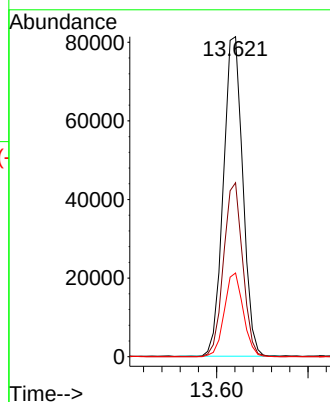
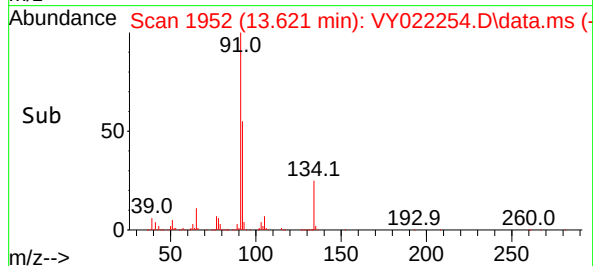
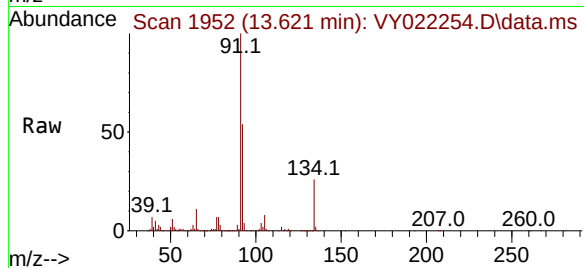
91 100

92 53.6 26.3 78.9

134 25.5 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#90

Hexachloroethane

Concen: 10.127 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022254.D

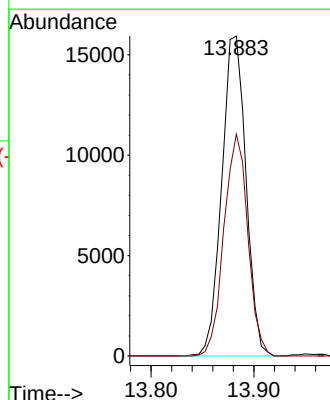
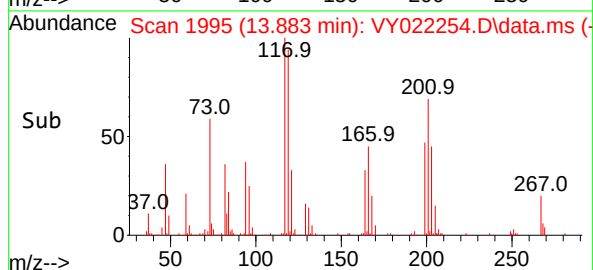
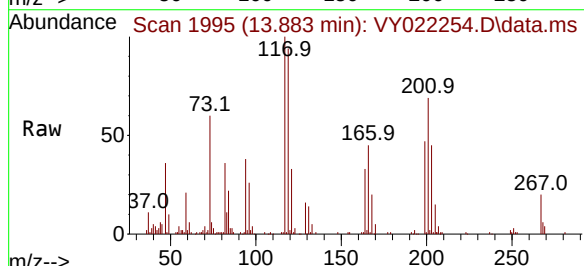
Acq: 15 May 2025 10:16

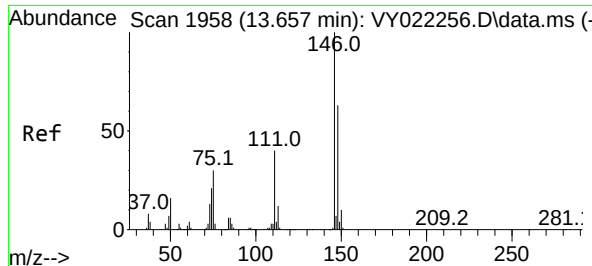
Tgt Ion:117 Resp: 26089

Ion Ratio Lower Upper

117 100

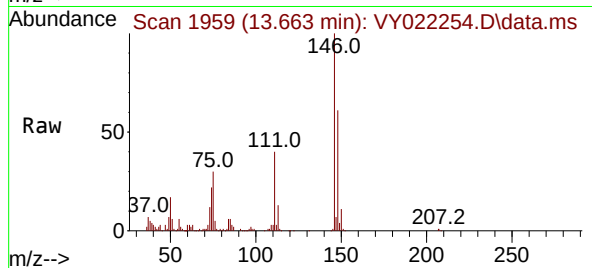
201 68.2 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 10.020 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

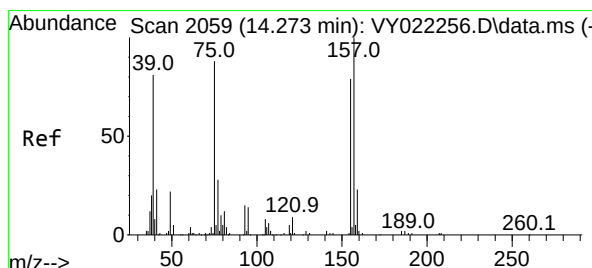
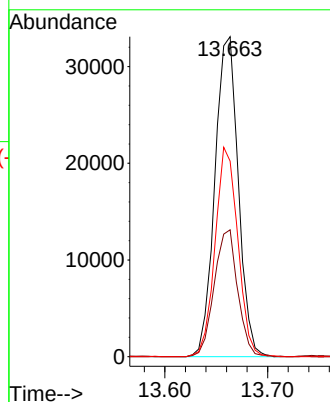
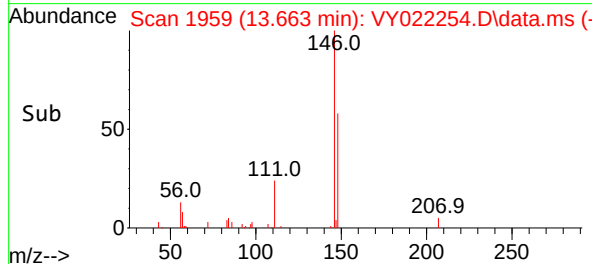
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:146 Resp: 5228
Ion Ratio Lower Upper
146 100
111 39.9 20.5 61.5
148 63.5 32.0 96.0

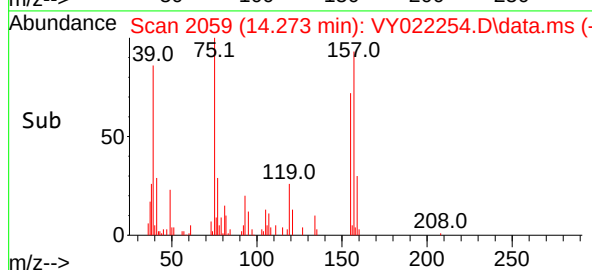
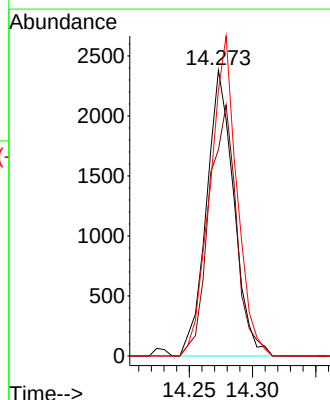
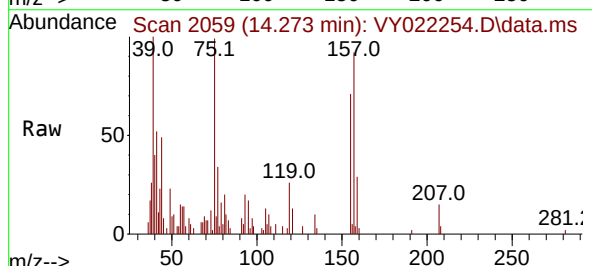
Manual Integrations
APPROVED

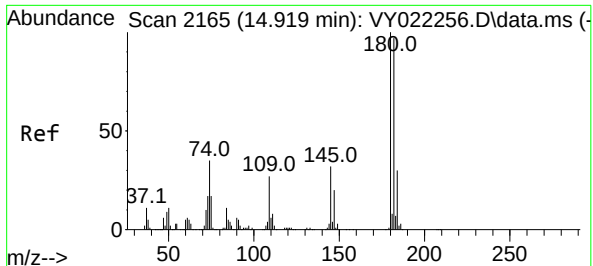
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.155 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 3588
Ion Ratio Lower Upper
75 100
155 88.0 43.4 130.1
157 109.8 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 9.646 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022254.D

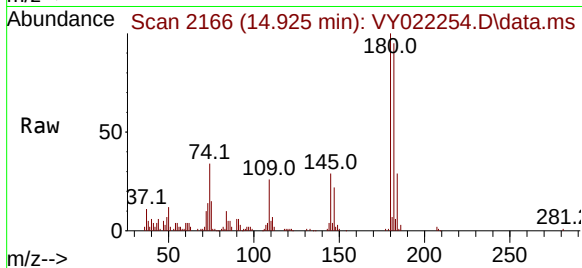
Acq: 15 May 2025 10:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

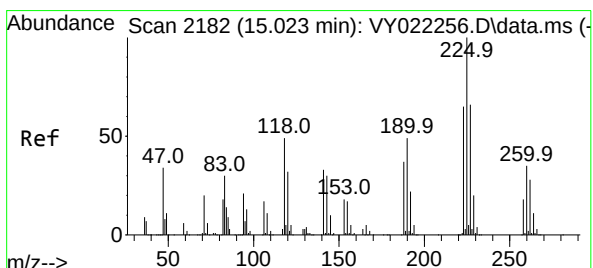
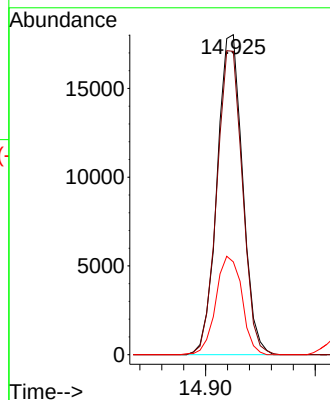
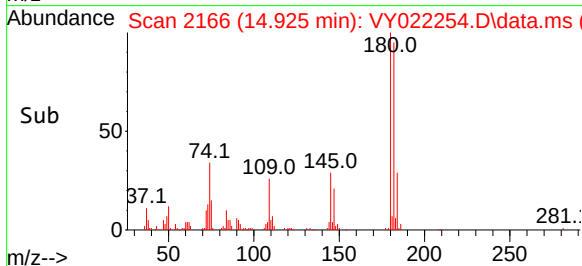


Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	31.4	15.0	45.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

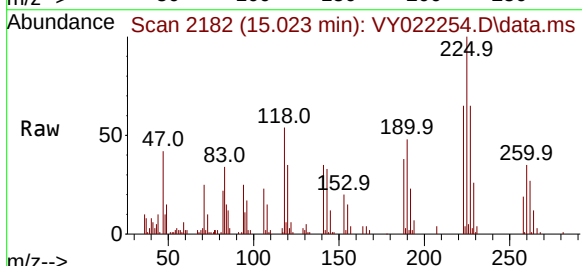
Concen: 9.927 ug/l

RT: 15.023 min Scan# 2182

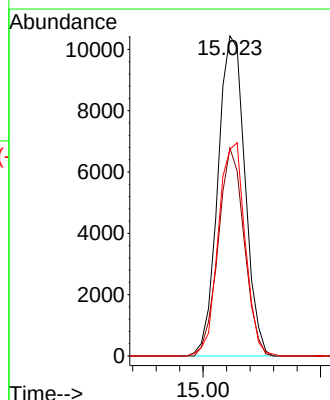
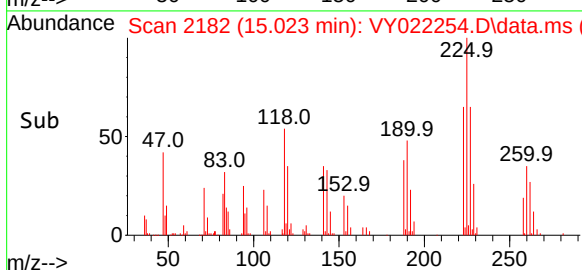
Delta R.T. -0.000 min

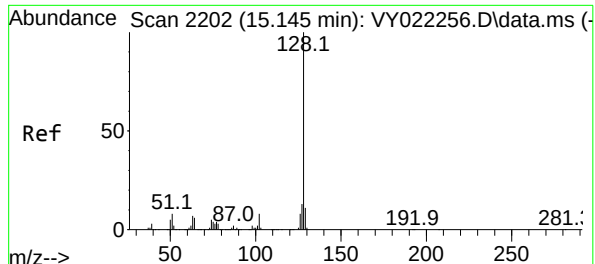
Lab File: VY022254.D

Acq: 15 May 2025 10:16



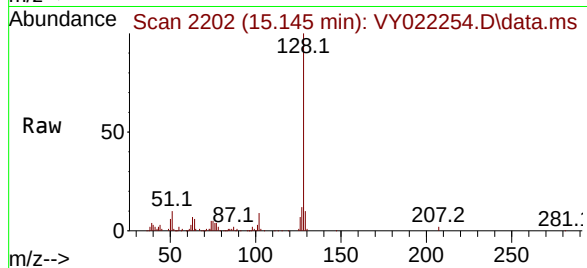
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	65.8	32.1	96.3





#95
Naphthalene
Concen: 9.495 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

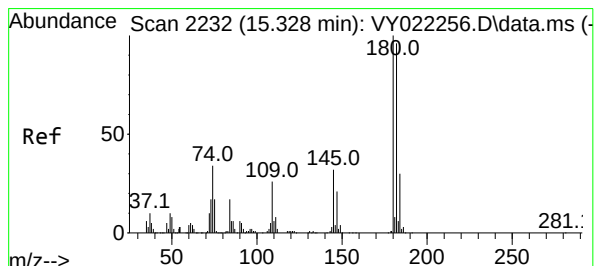
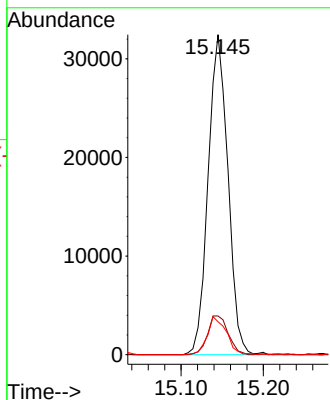
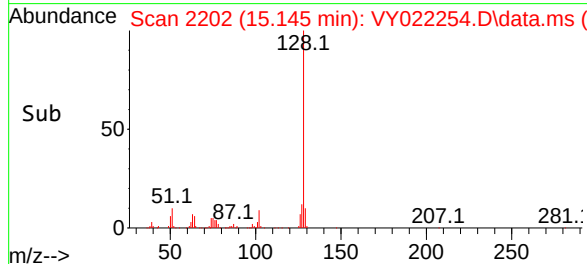
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



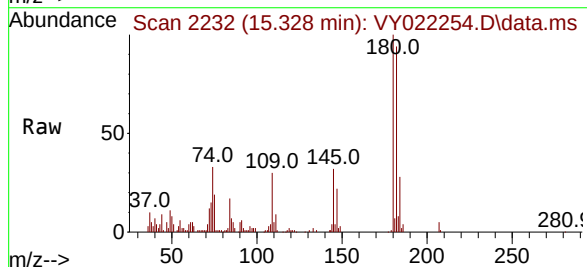
Tgt Ion:128 Resp: 5430
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.5 8.8 13.2

Manual Integrations
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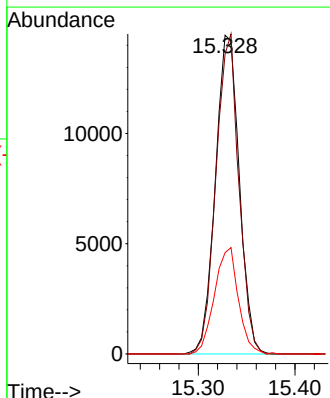
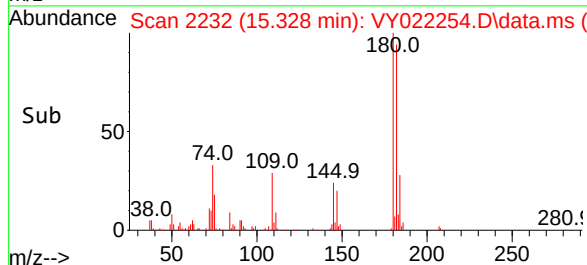
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.696 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



Tgt Ion:180 Resp: 24790
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 33.4 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022255.D
 Acq On : 15 May 2025 10:39
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	262008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.560%#		
35) Dibromofluoromethane	7.634	113	51670	19.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.360%#		
50) Toluene-d8	10.109	98	210206	19.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.100%#		
62) 4-Bromofluorobenzene	12.408	95	64706	18.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	56737	20.753	ug/l	99
3) Chloromethane	2.068	50	120819	21.008	ug/l	97
4) Vinyl Chloride	2.202	62	132511	20.623	ug/l	96
5) Bromomethane	2.592	94	110855	21.194	ug/l	99
6) Chloroethane	2.732	64	83451	20.877	ug/l	99
7) Trichlorofluoromethane	3.050	101	132029	20.295	ug/l	97
8) Diethyl Ether	3.458	74	29651	18.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187	ug/l	98
10) Methyl Iodide	4.001	142	65018	19.891	ug/l	98
11) Tert butyl alcohol	4.872	59	19585	89.565	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206	ug/l	98
13) Acrolein	3.653	56	30106	94.178	ug/l	91
14) Allyl chloride	4.385	41	99483	20.244	ug/l	100
15) Acrylonitrile	5.061	53	60119	93.456	ug/l	100
16) Acetone	3.873	43	50198	93.491	ug/l	96
17) Carbon Disulfide	4.104	76	184860	20.228	ug/l	99
18) Methyl Acetate	4.391	43	29969	18.344	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890	ug/l	100
20) Methylene Chloride	4.616	84	67687	19.510	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422	ug/l	97
22) Diisopropyl ether	6.019	45	202960	19.558	ug/l	99
23) Vinyl Acetate	5.958	43	594019	94.748	ug/l	99
24) 1,1-Dichloroethane	5.915	63	115217	19.873	ug/l	99
25) 2-Butanone	6.896	43	82768	92.157	ug/l	93
26) 2,2-Dichloropropane	6.890	77	101725	19.727	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611	ug/l	98
28) Bromochloromethane	7.244	49	48933	19.787	ug/l	100
29) Tetrahydrofuran	7.262	42	53229	92.122	ug/l	98
30) Chloroform	7.421	83	111815	20.107	ug/l	98
31) Cyclohexane	7.695	56	112876	19.486	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721	ug/l	100
36) 1,1-Dichloropropene	7.835	75	85789	19.841	ug/l	99
37) Ethyl Acetate	6.988	43	38482	18.497	ug/l	99
38) Carbon Tetrachloride	7.817	117	86871	19.410	ug/l	98
39) Methylcyclohexane	9.109	83	113511	19.540	ug/l	98
40) Benzene	8.079	78	252507	19.700	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022255.D
 Acq On : 15 May 2025 10:39
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	26008m	17.085	ug/l	
42) 1,2-Dichloroethane	8.158	62	66525	19.192	ug/l	99
43) Isopropyl Acetate	8.201	43	84532	18.631	ug/l	97
44) Trichloroethene	8.866	130	63438	19.904	ug/l	96
45) 1,2-Dichloropropane	9.140	63	60438	19.557	ug/l	100
46) Dibromomethane	9.231	93	31752	19.050	ug/l	99
47) Bromodichloromethane	9.426	83	83823	19.385	ug/l	96
48) Methyl methacrylate	9.219	41	39387	18.563	ug/l	99
49) 1,4-Dioxane	9.237	88	7312	388.323	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	202454	90.940	ug/l	99
52) Toluene	10.170	92	156498	19.281	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	80413	19.056	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	94074	19.458	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	40872	19.149	ug/l	99
56) Ethyl methacrylate	10.438	69	62193	18.706	ug/l	97
57) 1,3-Dichloropropane	10.713	76	72715	19.175	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	126240	84.595	ug/l	99
59) 2-Hexanone	10.762	43	132496	88.766	ug/l	100
60) Dibromochloromethane	10.914	129	52353	18.898	ug/l	98
61) 1,2-Dibromoethane	11.012	107	37735	18.969	ug/l	99
64) Tetrachloroethene	10.646	164	69548	20.332	ug/l	98
65) Chlorobenzene	11.438	112	163725	19.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189	ug/l	98
67) Ethyl Benzene	11.518	91	303375	19.402	ug/l	99
68) m/p-Xylenes	11.627	106	225990	38.355	ug/l	100
69) o-Xylene	11.956	106	106998	19.194	ug/l	100
70) Styrene	11.969	104	179114	19.048	ug/l	99
71) Bromoform	12.133	173	28788	18.582	ug/l #	98
73) Isopropylbenzene	12.255	105	282895	19.795	ug/l	100
74) N-amyl acetate	12.072	43	76841	18.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	35574m	11.701	ug/l	
77) Bromobenzene	12.530	156	58515	19.170	ug/l	99
78) n-propylbenzene	12.597	91	338383	19.630	ug/l	99
79) 2-Chlorotoluene	12.682	91	185872	19.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	225966	19.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302	ug/l	97
82) 4-Chlorotoluene	12.779	91	189350	19.433	ug/l	100
83) tert-Butylbenzene	12.999	119	200101	19.515	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	221194	19.315	ug/l	98
85) sec-Butylbenzene	13.176	105	297975	19.576	ug/l	100
86) p-Isopropyltoluene	13.292	119	246569	19.261	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	118336	18.991	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	117705	19.638	ug/l	99
89) n-Butylbenzene	13.615	91	240857	19.887	ug/l	99
90) Hexachloroethane	13.877	117	50762	19.643	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	102077	19.502	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	58490	19.346	ug/l	99
94) Hexachlorobutadiene	15.023	225	34228	20.301	ug/l	100
95) Naphthalene	15.145	128	105350	18.362	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48444	18.888	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

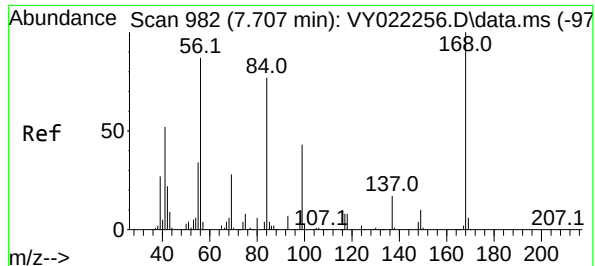
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

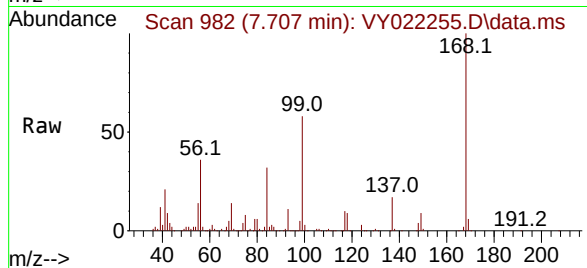
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

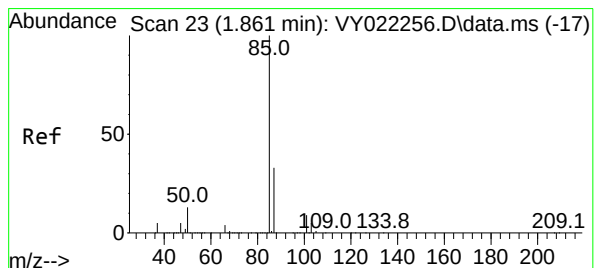
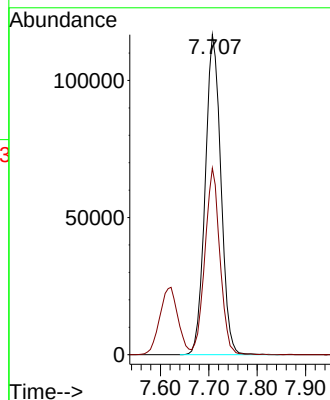
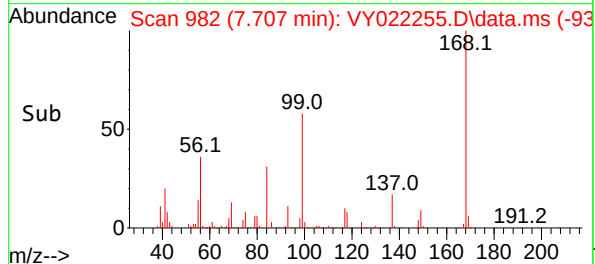
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 262008
Ion Ratio Lower Upper
168 100
99 58.3 44.2 66.4

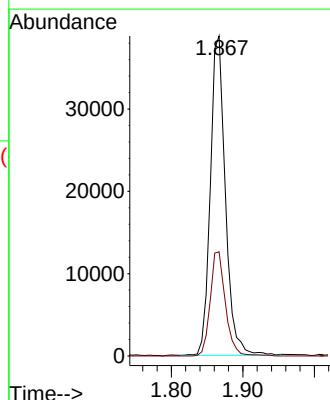
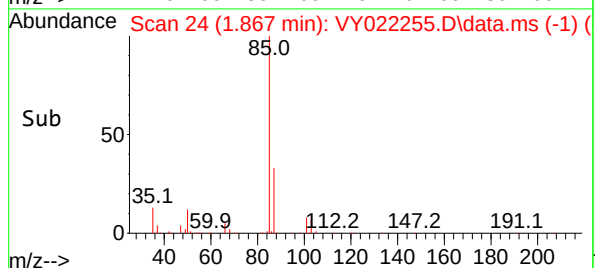
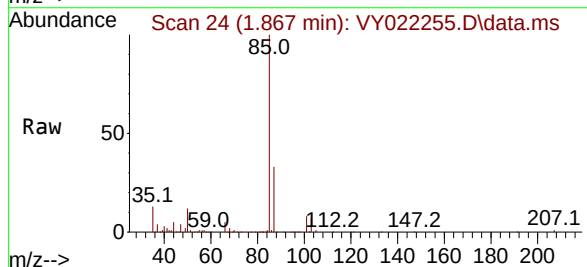
Manual Integrations
APPROVED

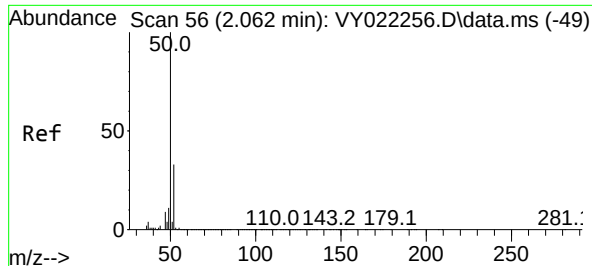
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 20.753 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

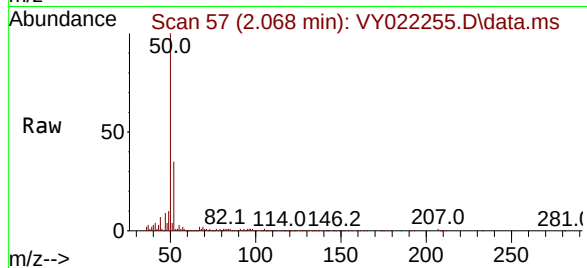
Tgt Ion: 85 Resp: 56737
Ion Ratio Lower Upper
85 100
87 32.6 16.5 49.5





#3
Chloromethane
Concen: 21.008 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

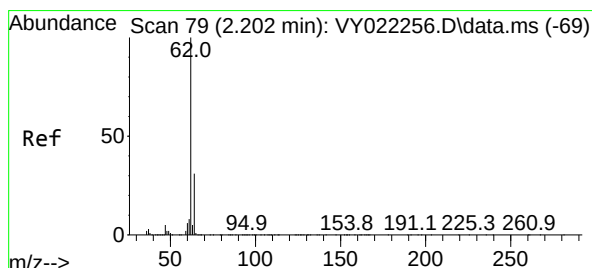
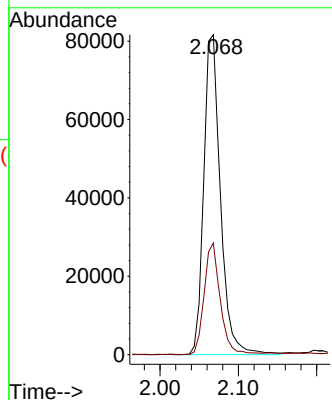
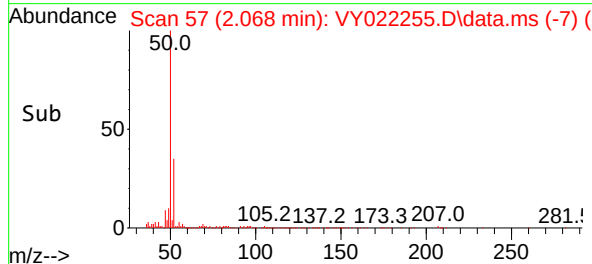
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 120819
Ion Ratio Lower Upper
50 100
52 34.9 26.5 39.7

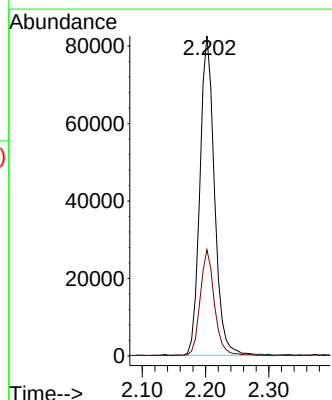
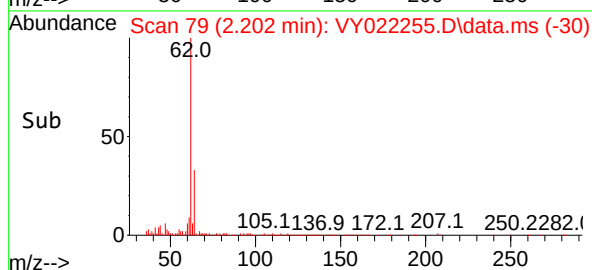
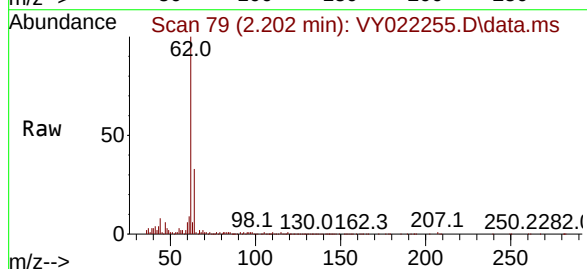
Manual Integrations
APPROVED

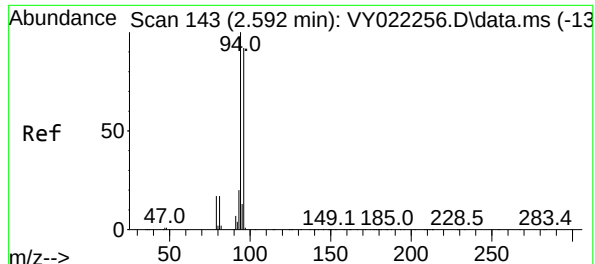
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 20.623 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

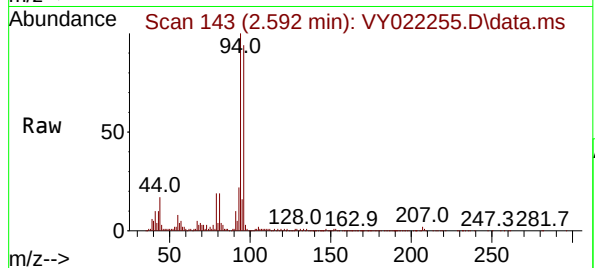
Tgt Ion: 62 Resp: 132511
Ion Ratio Lower Upper
62 100
64 33.0 24.5 36.7





#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

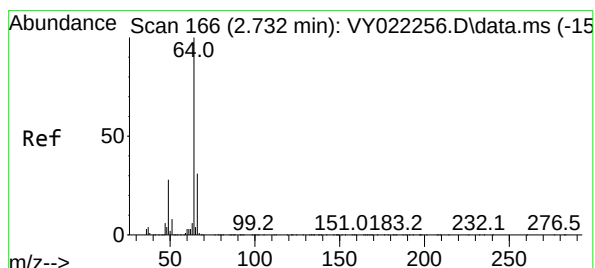
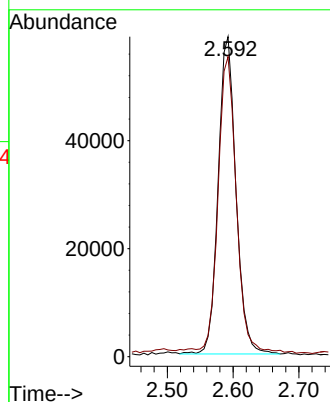
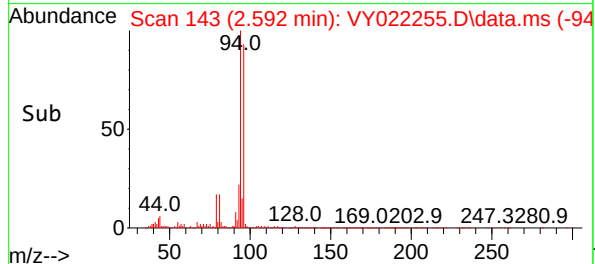
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 94 Resp: 11085
Ion Ratio Lower Upper
94 100
96 92.6 73.4 110.0

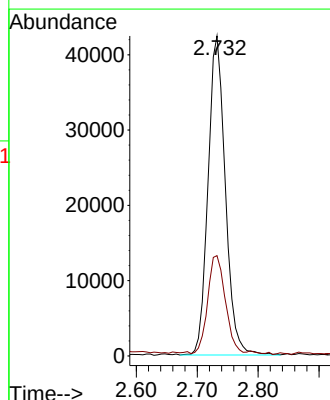
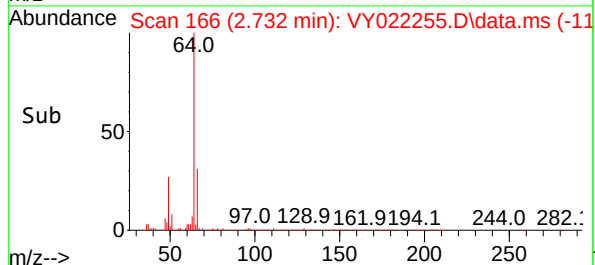
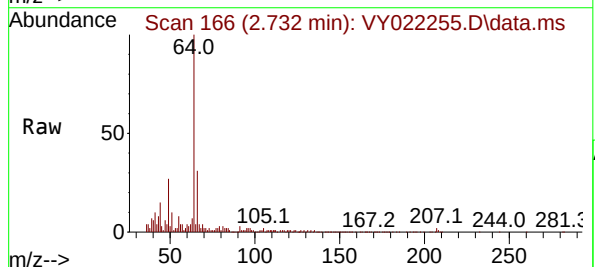
Manual Integrations
APPROVED

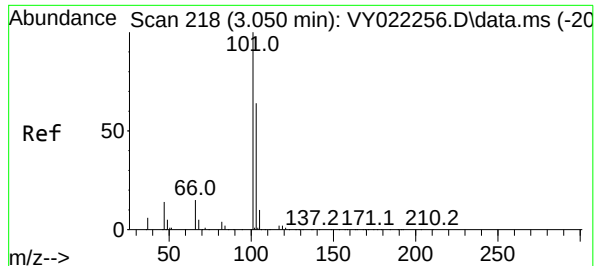
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 20.877 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

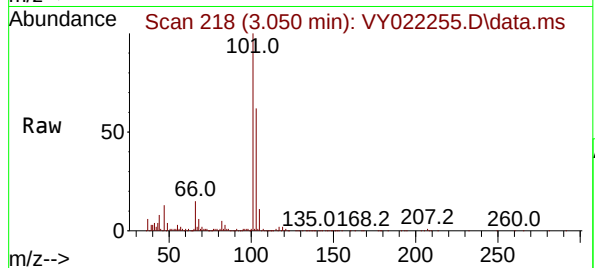
Tgt Ion: 64 Resp: 83451
Ion Ratio Lower Upper
64 100
66 30.4 24.8 37.2





#7
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

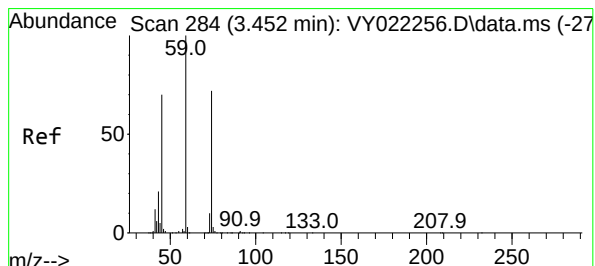
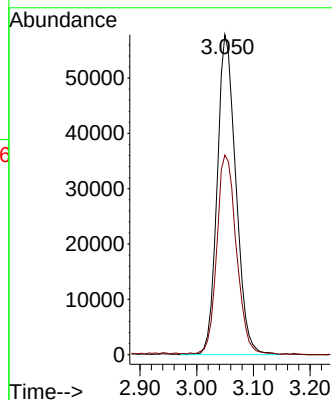
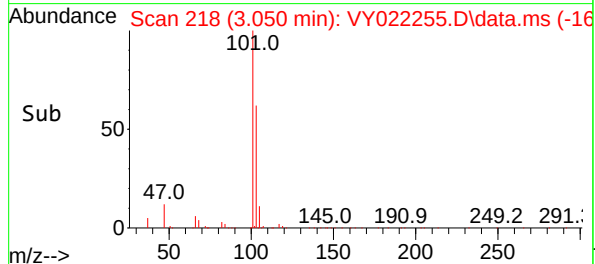
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 132029
Ion Ratio Lower Upper
101 100
103 62.2 51.7 77.5

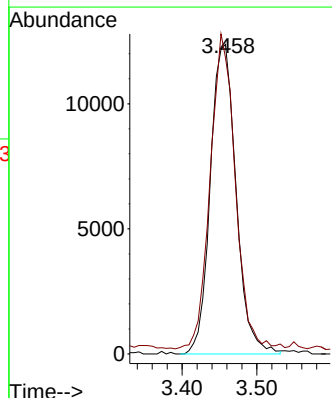
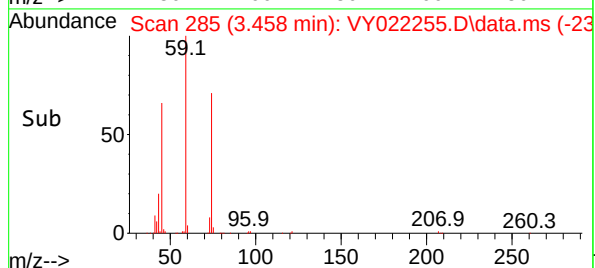
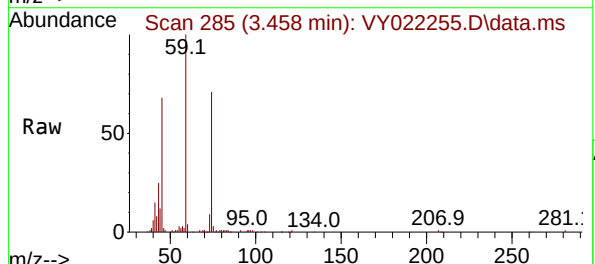
Manual Integrations
APPROVED

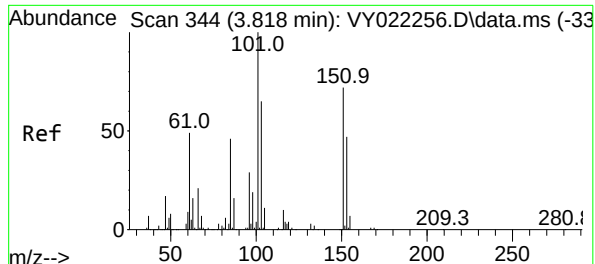
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 18.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 74 Resp: 29651
Ion Ratio Lower Upper
74 100
45 99.0 48.6 145.8





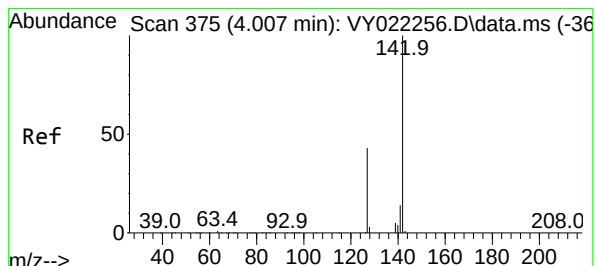
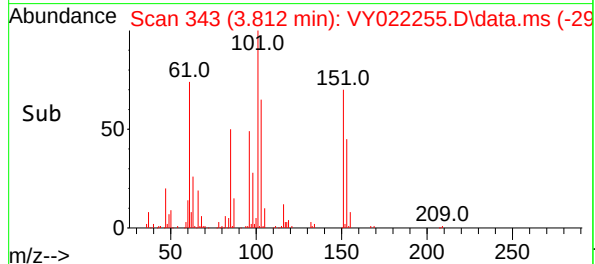
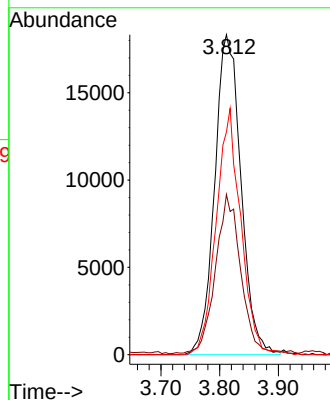
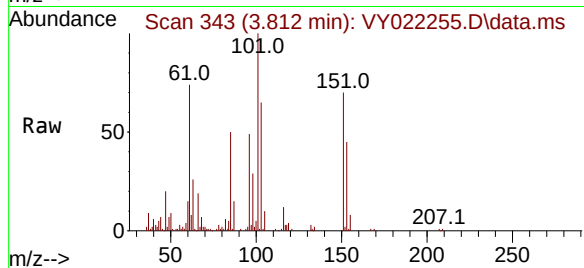
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 57012
Ion Ratio Lower Upper
101 100
85 47.7 38.6 58.0
151 71.9 59.7 89.5

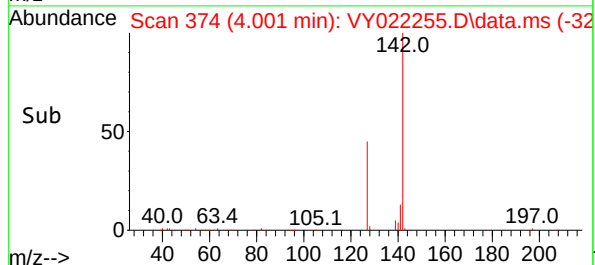
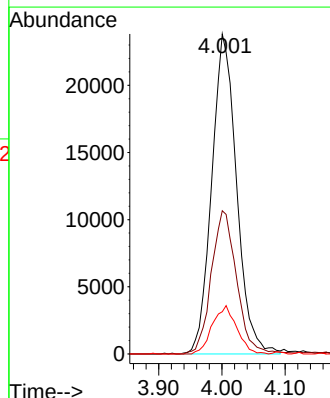
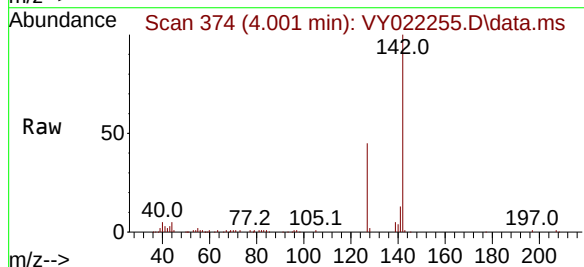
Manual Integrations
APPROVED

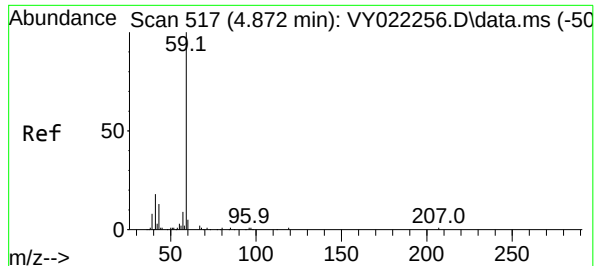
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:142 Resp: 65018
Ion Ratio Lower Upper
142 100
127 45.5 35.7 53.5
141 14.8 11.1 16.7





#11

Tert butyl alcohol

Concen: 89.565 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 1958

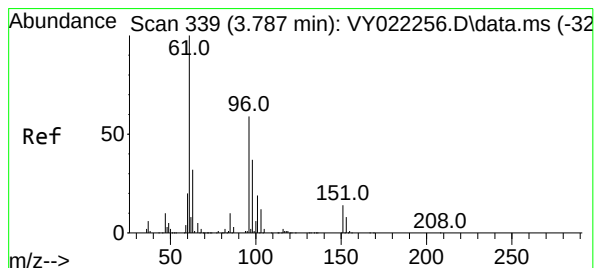
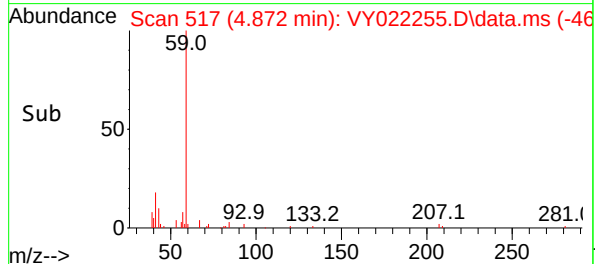
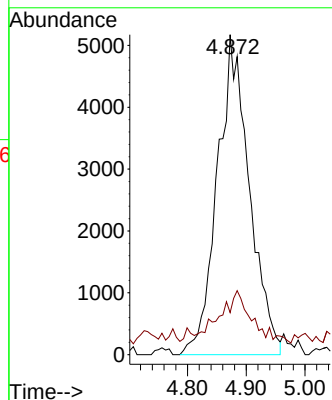
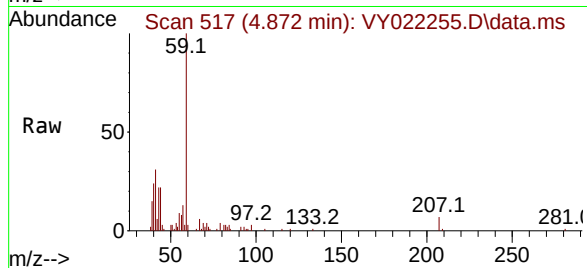
Ion Ratio Lower Upper

59 100

57 16.5 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 20.206 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

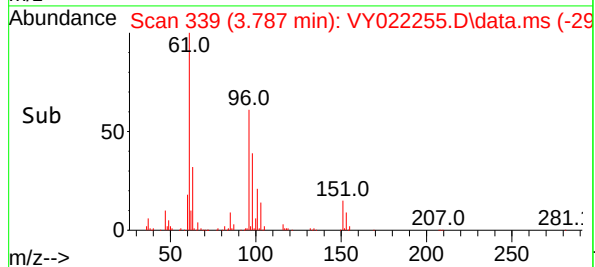
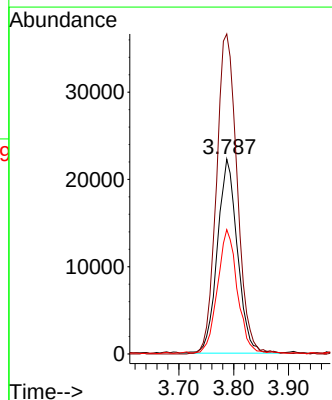
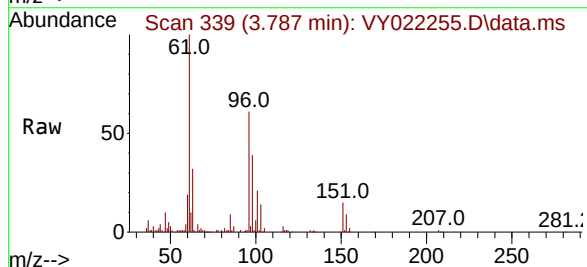
Tgt Ion: 96 Resp: 56630

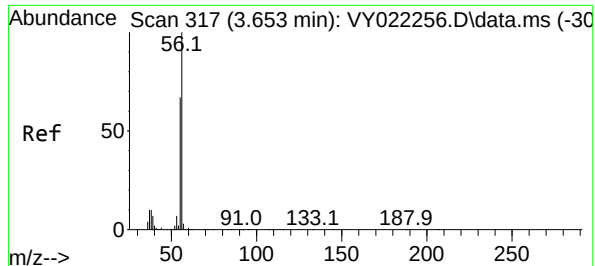
Ion Ratio Lower Upper

96 100

61 164.8 134.9 202.3

98 63.5 49.9 74.9





#13

Acrolein

Concen: 94.178 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 30100

Ion Ratio Lower Upper

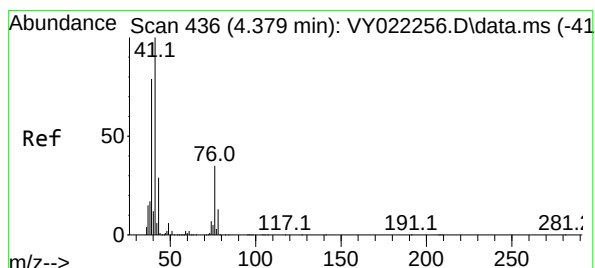
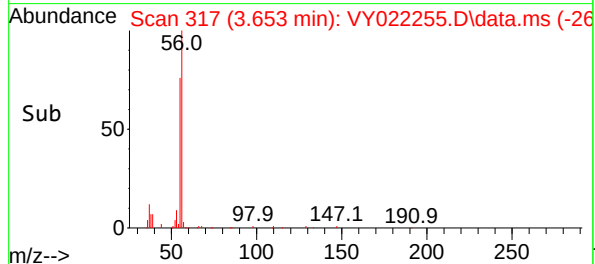
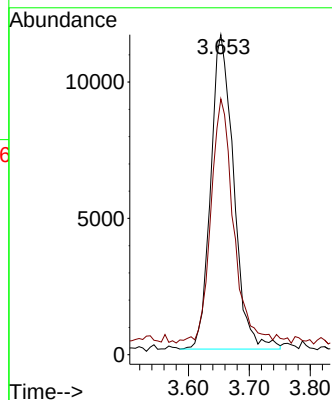
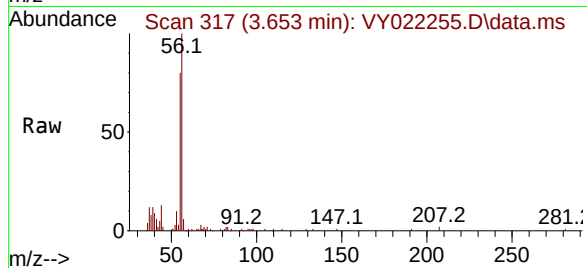
56 100

55 76.6 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 20.244 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

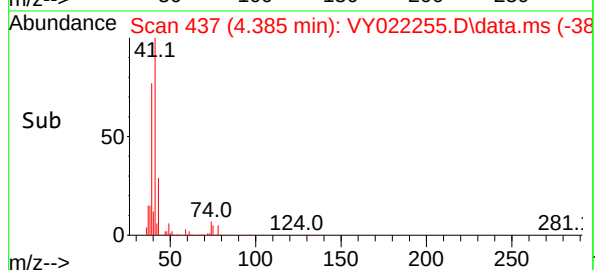
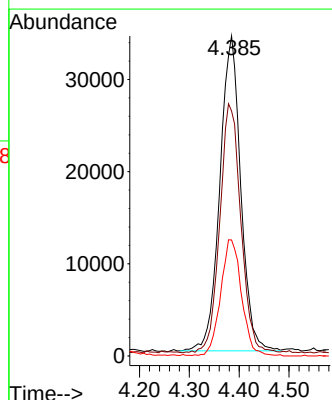
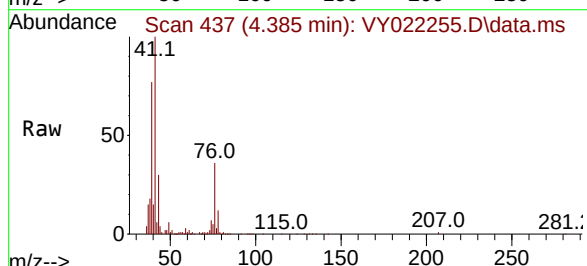
Tgt Ion: 41 Resp: 99483

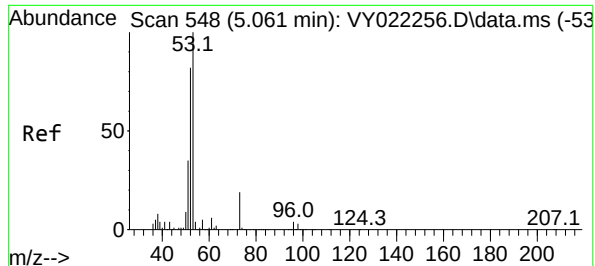
Ion Ratio Lower Upper

41 100

39 79.7 63.4 95.0

76 37.1 29.5 44.3





#15

Acrylonitrile

Concen: 93.456 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

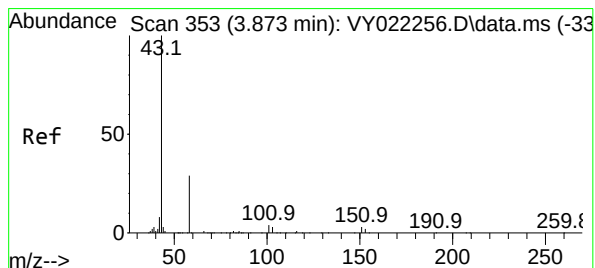
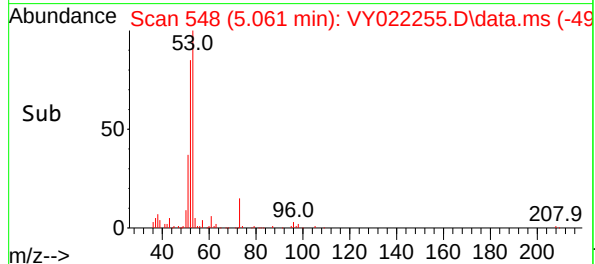
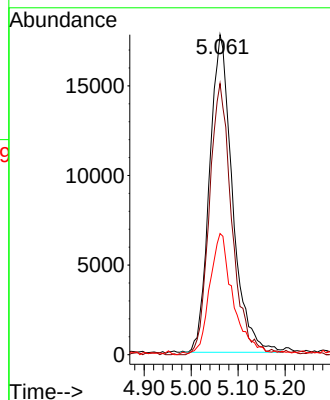
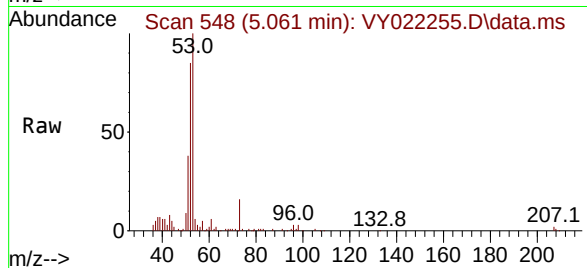
VSTDIC020

Tgt Ion: 53	Resp: 60119
Ion Ratio	Lower Upper
53	100
52	83.1 66.1 99.1
51	37.6 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#16

Acetone

Concen: 93.491 ug/l

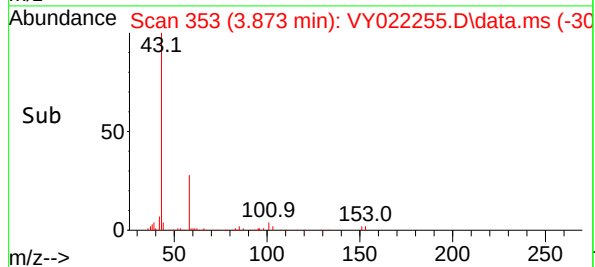
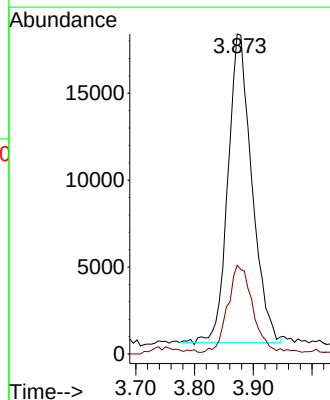
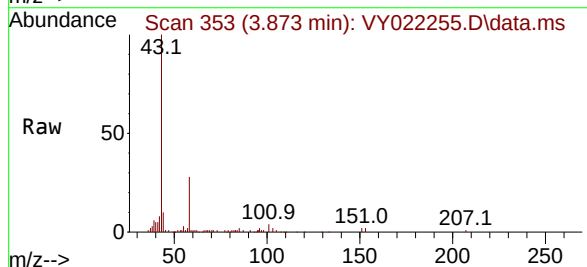
RT: 3.873 min Scan# 353

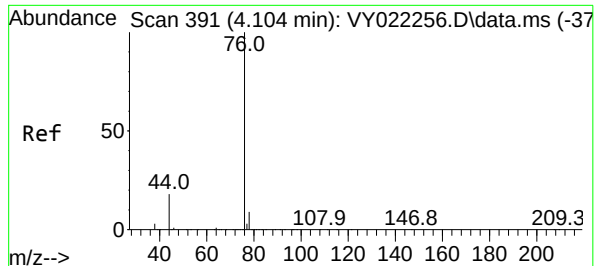
Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Tgt Ion: 43	Resp: 50198
Ion Ratio	Lower Upper
43	100
58	27.5 23.6 35.4





#17

Carbon Disulfide

Concen: 20.228 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 184860

Ion Ratio Lower Upper

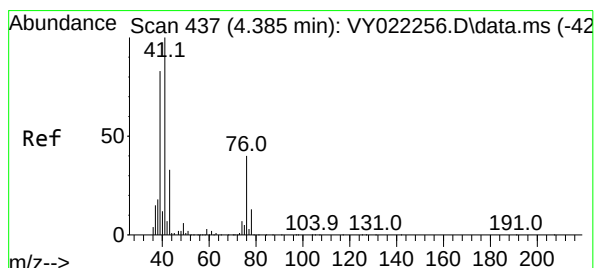
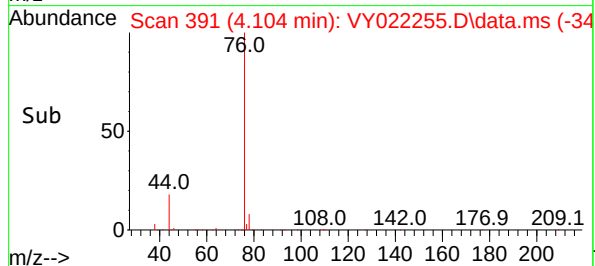
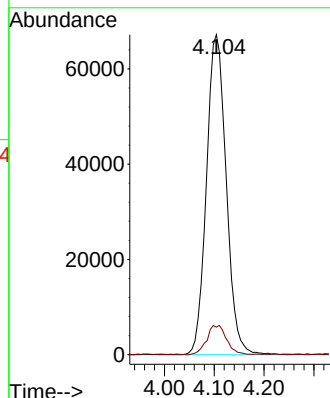
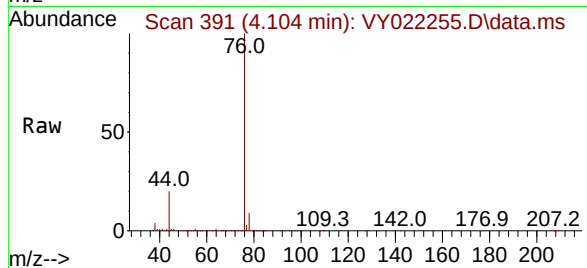
76 100

78 8.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18

Methyl Acetate

Concen: 18.344 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY022255.D

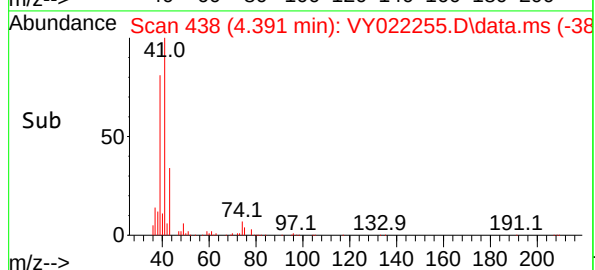
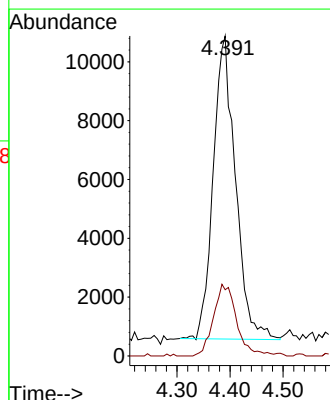
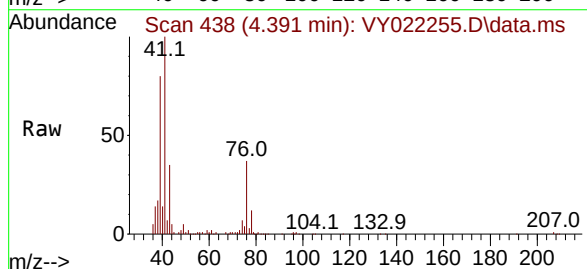
Acq: 15 May 2025 10:39

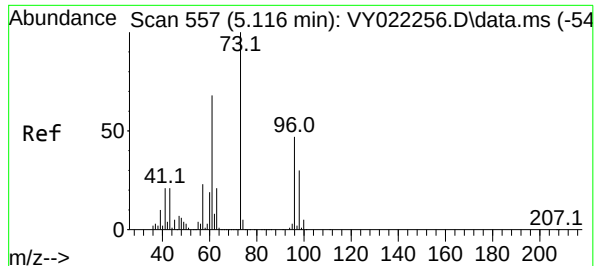
Tgt Ion: 43 Resp: 29969

Ion Ratio Lower Upper

43 100

74 24.6 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 18.890 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 145970

Ion Ratio Lower Upper

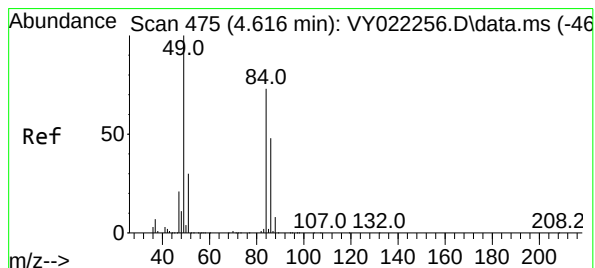
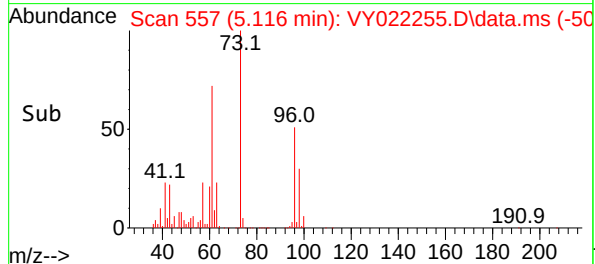
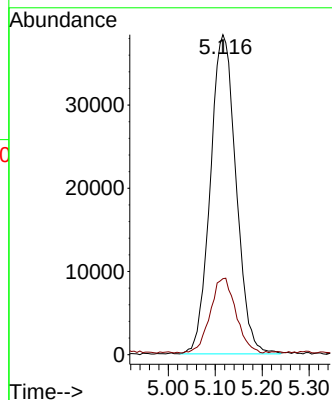
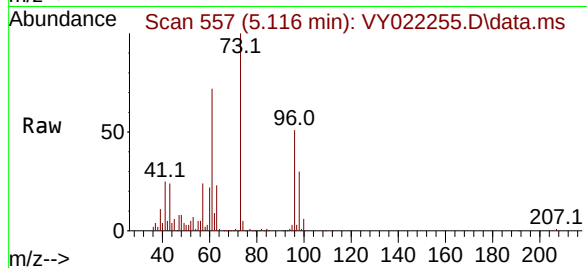
73 100

57 23.2 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#20

Methylene Chloride

Concen: 19.510 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Tgt Ion: 84 Resp: 67687

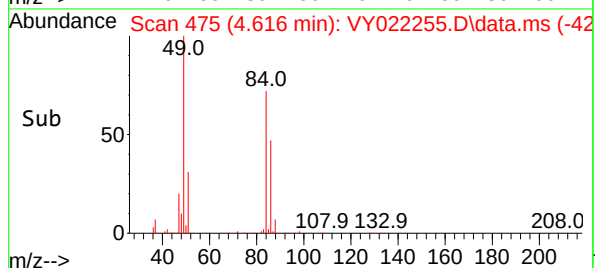
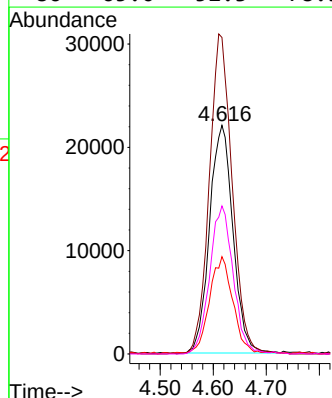
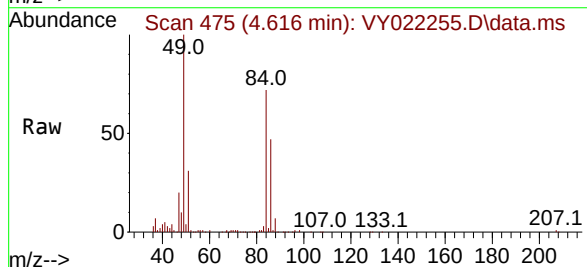
Ion Ratio Lower Upper

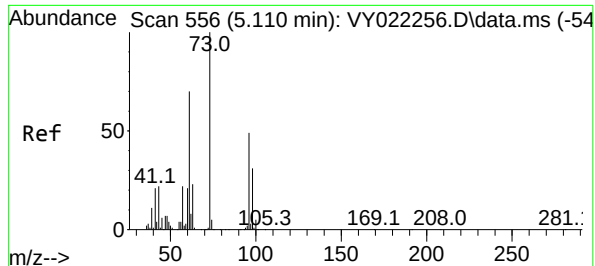
84 100

49 138.7 109.6 164.4

51 42.3 32.4 48.6

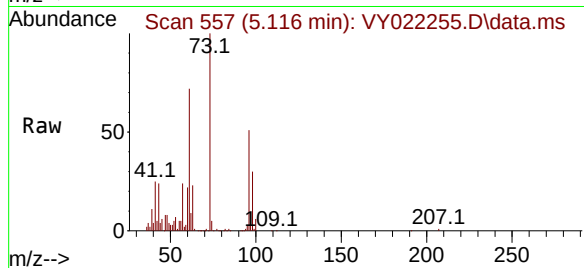
86 65.0 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

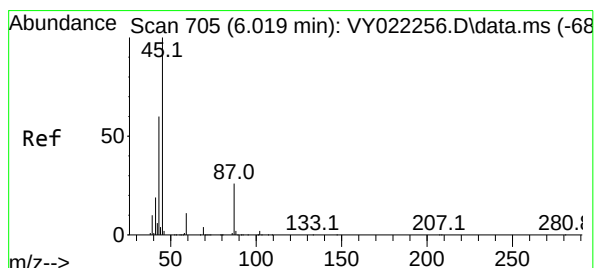
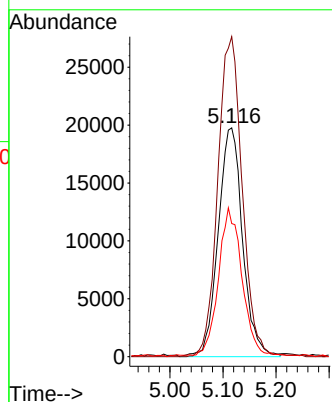
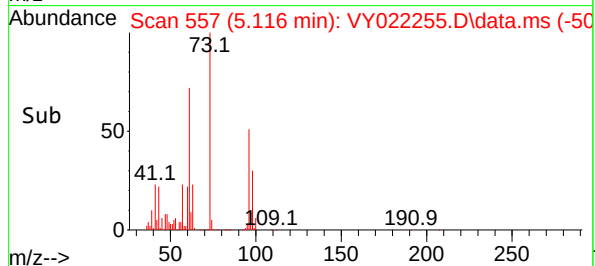
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 63174
Ion Ratio Lower Upper
96 100
61 139.8 113.4 170.0
98 57.5 50.9 76.3

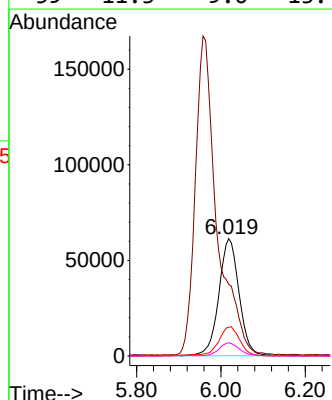
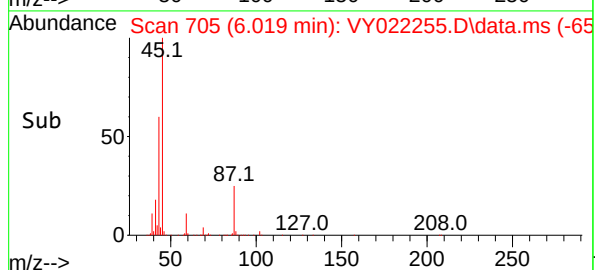
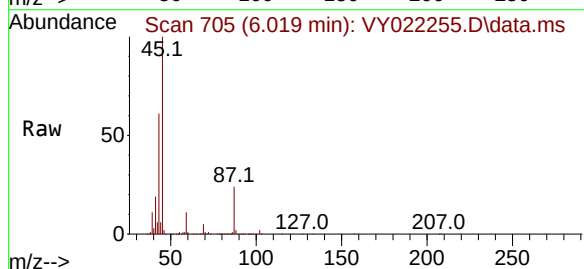
Manual Integrations
APPROVED

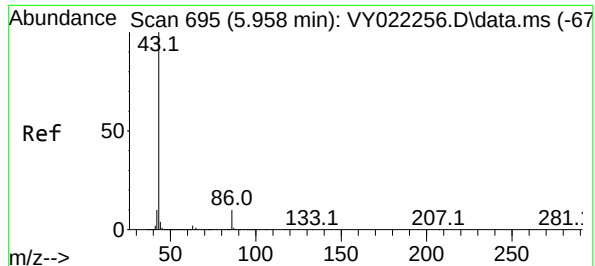
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 19.558 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 45 Resp: 202960
Ion Ratio Lower Upper
45 100
43 59.9 48.2 72.2
87 24.5 21.4 32.0
59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 94.748 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 594019

Ion Ratio Lower Upper

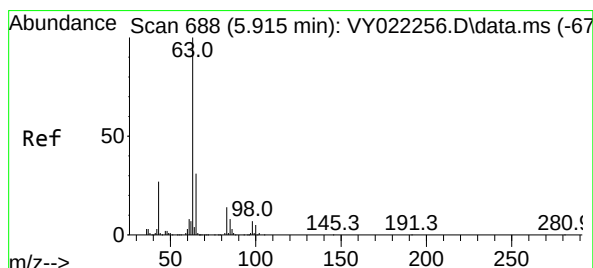
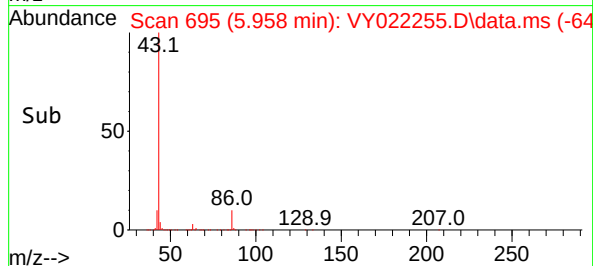
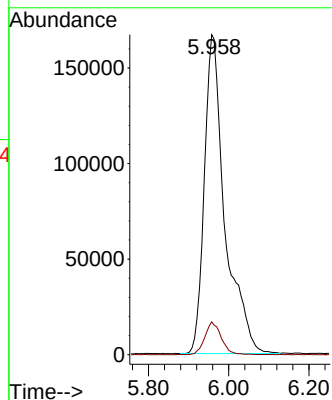
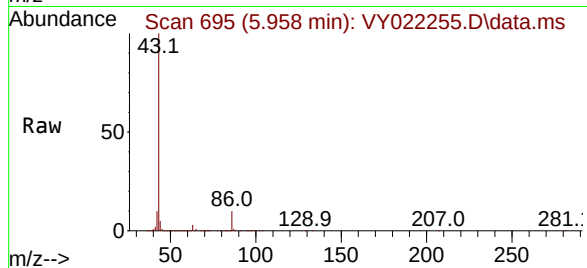
43 100

86 10.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 19.873 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

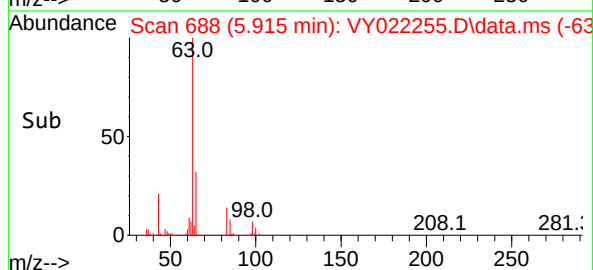
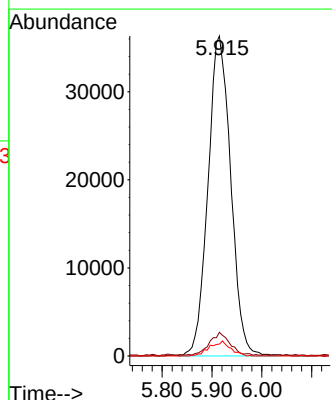
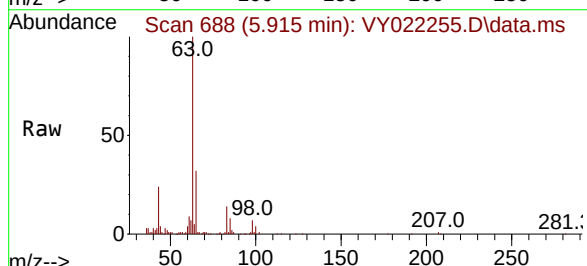
Tgt Ion: 63 Resp: 115217

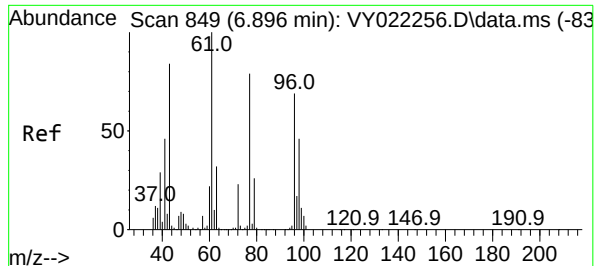
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 92.157 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 82768

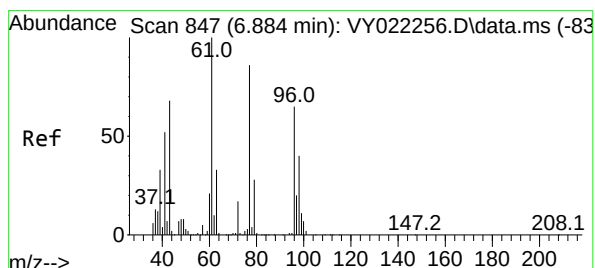
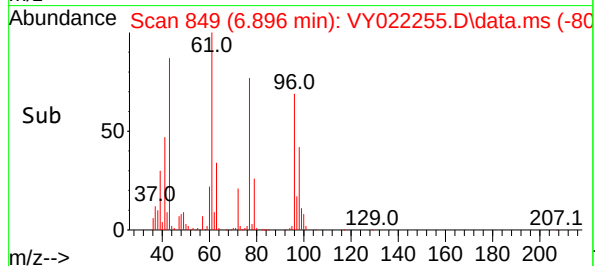
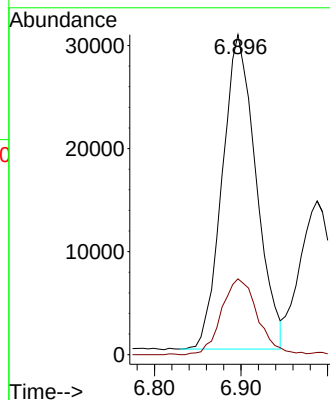
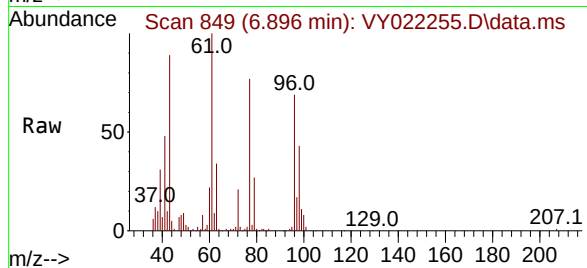
Ion Ratio Lower Upper

43 100

72 24.1 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 19.727 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY022255.D

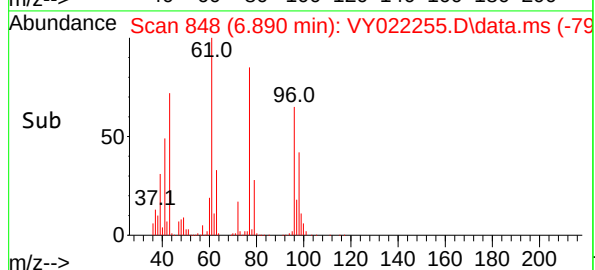
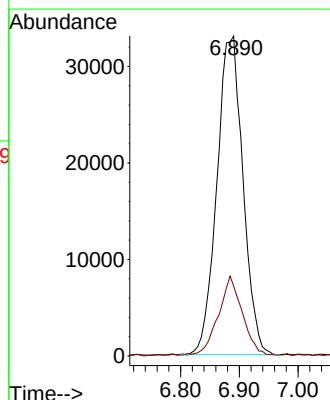
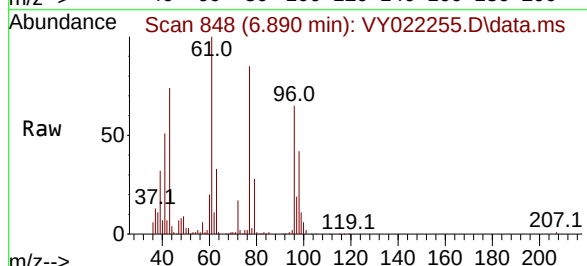
Acq: 15 May 2025 10:39

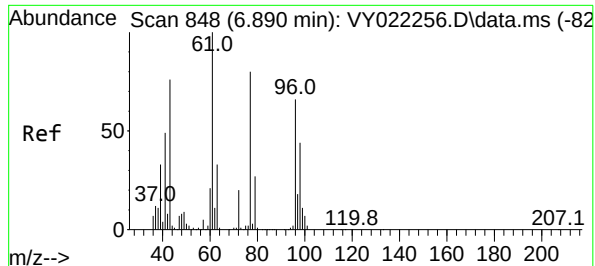
Tgt Ion: 77 Resp: 101725

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.611 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 7000

Ion Ratio Lower Upper

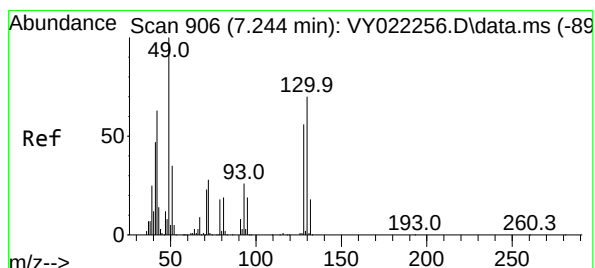
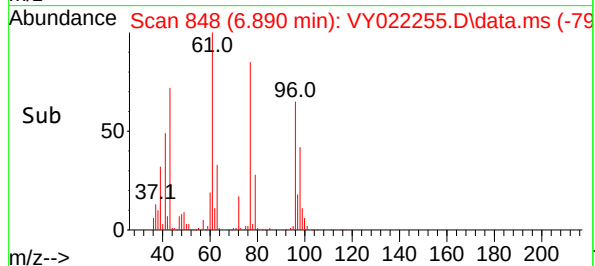
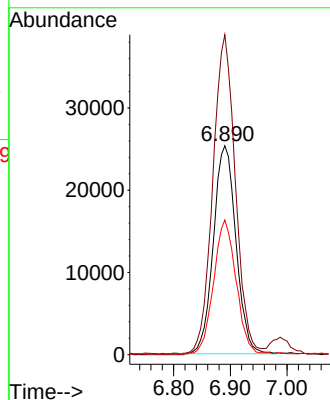
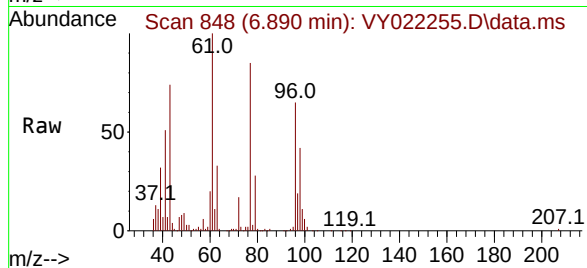
96 100

61 153.9 0.0 302.6

98 64.1 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#28

Bromochloromethane

Concen: 19.787 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

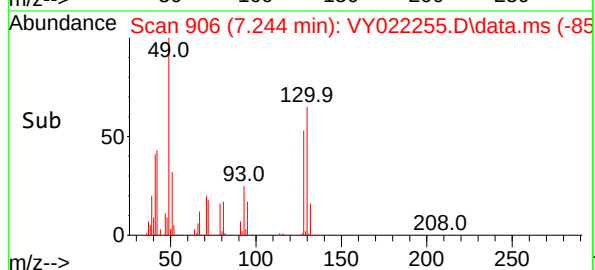
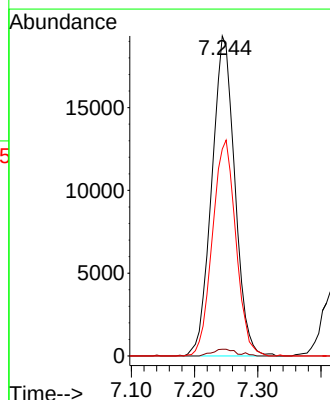
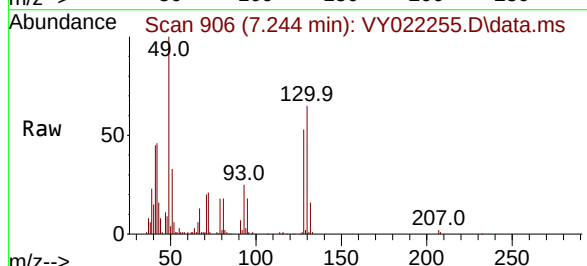
Tgt Ion: 49 Resp: 48933

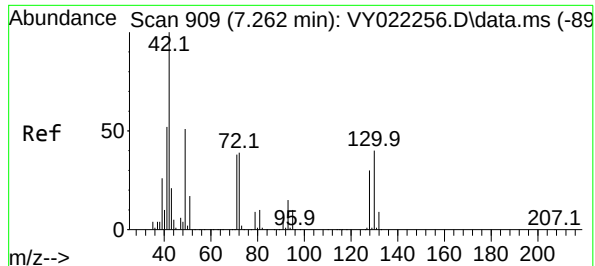
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

130 68.4 54.7 82.1





#29

Tetrahydrofuran

Concen: 92.122 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

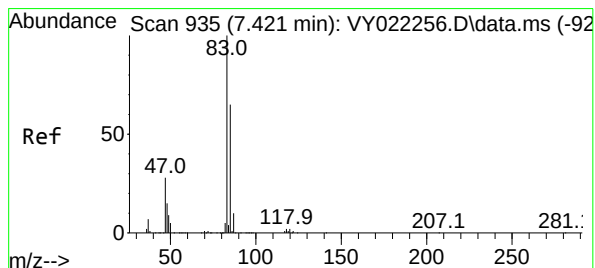
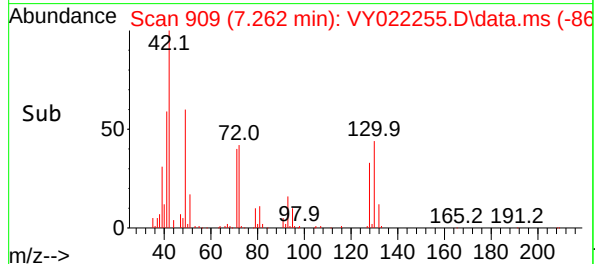
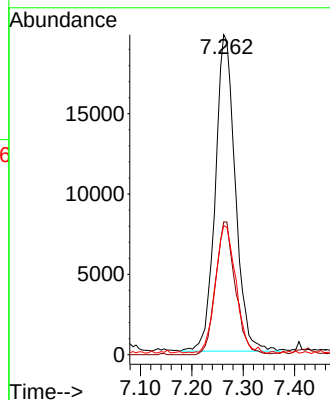
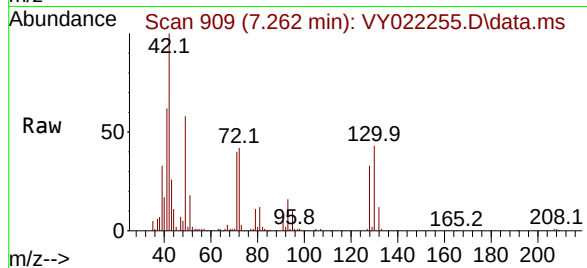
VSTDIC020

Tgt Ion:	42	Resp:	53229
Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	41.5	31.5	47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#30

Chloroform

Concen: 20.107 ug/l

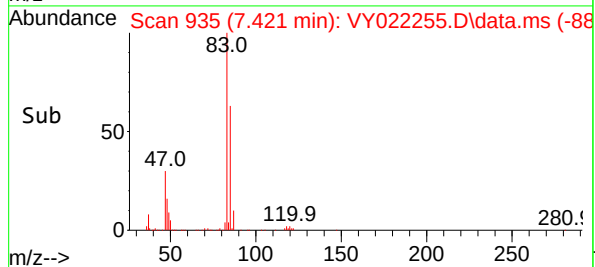
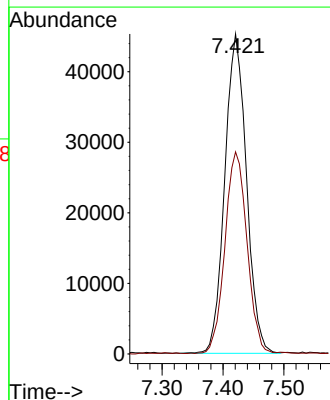
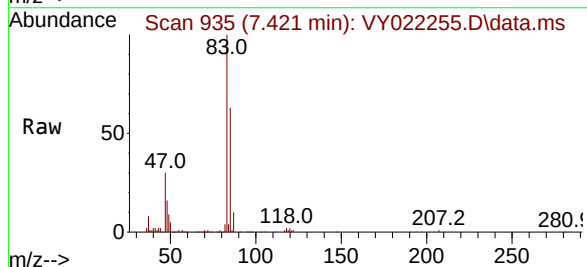
RT: 7.421 min Scan# 935

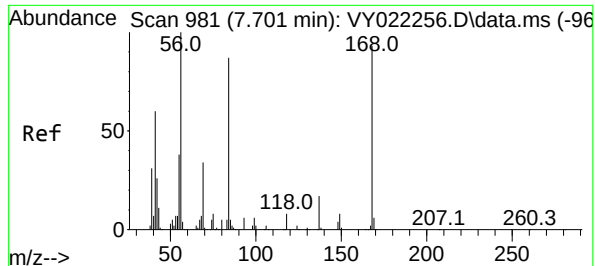
Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Tgt Ion:	83	Resp:	111815
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





#31

Cyclohexane

Concen: 19.486 ug/l

RT: 7.695 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 112870

Ion Ratio Lower Upper

56 100

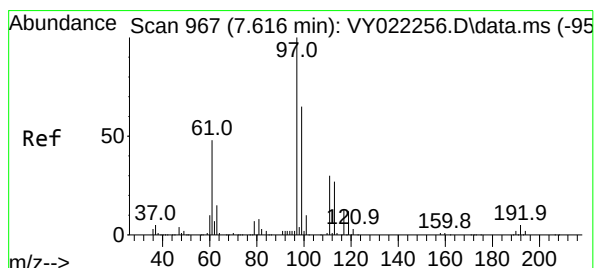
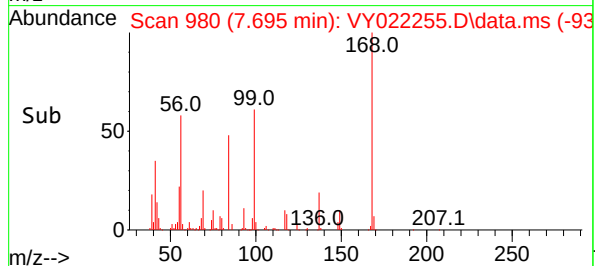
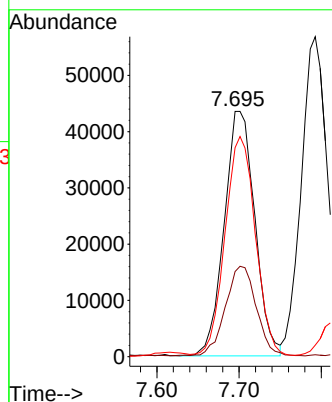
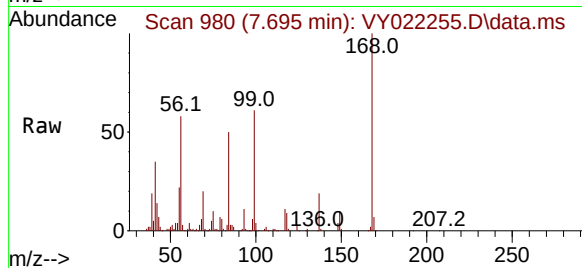
69 34.2 27.4 41.2

84 84.0 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#32

1,1,1-Trichloroethane

Concen: 19.721 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

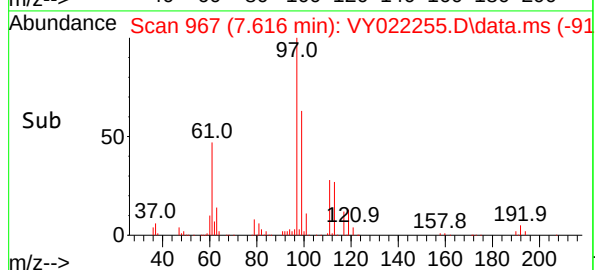
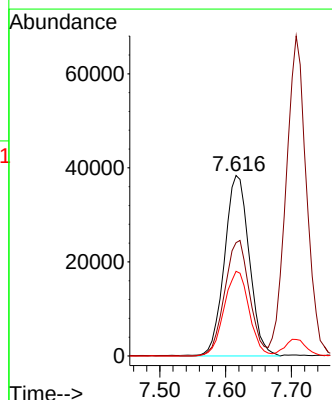
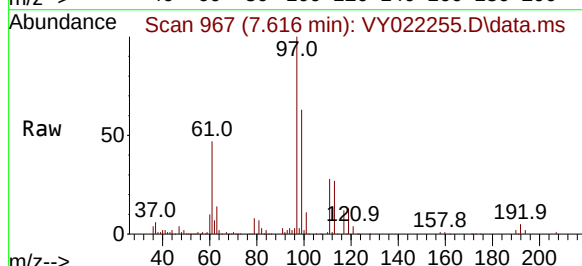
Tgt Ion: 97 Resp: 100618

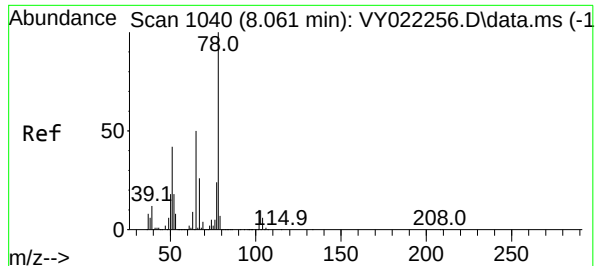
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 47.2 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 19.284 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 5522

Ion Ratio Lower Upper

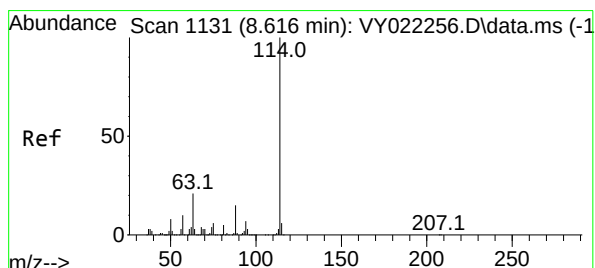
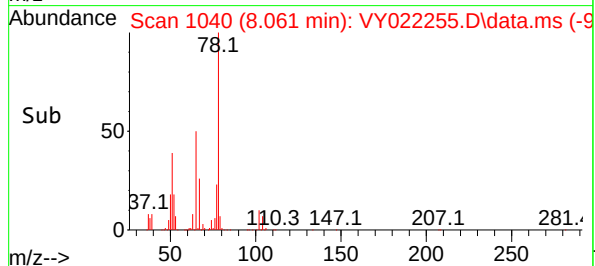
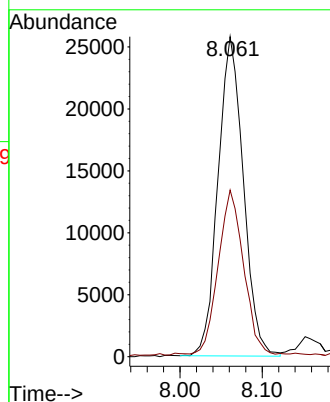
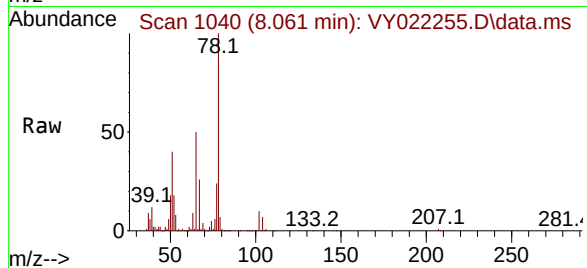
65 100

67 50.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

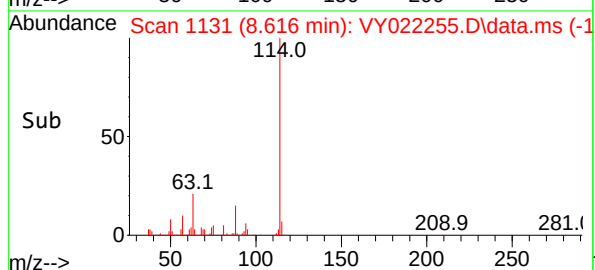
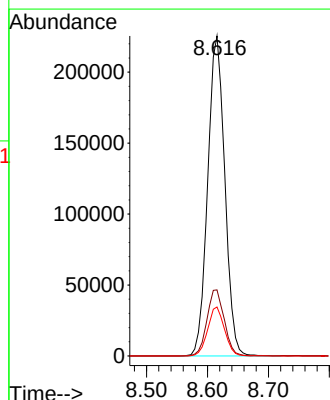
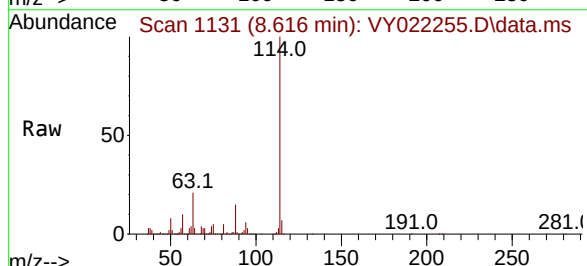
Tgt Ion:114 Resp: 439816

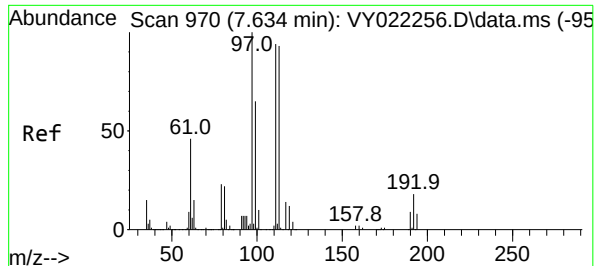
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 15.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 19.683 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 51670

Ion Ratio Lower Upper

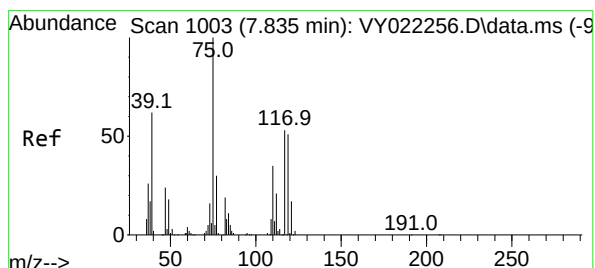
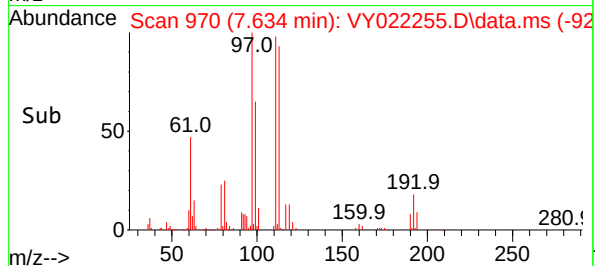
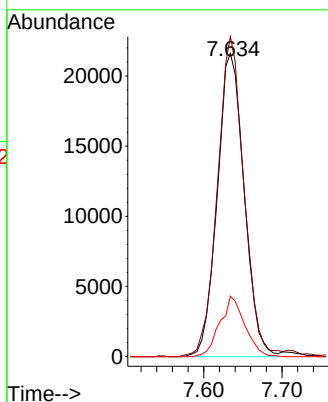
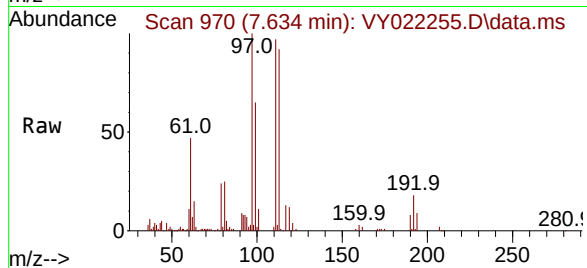
113 100

111 103.2 82.6 123.8

192 18.5 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#36

1,1-Dichloropropene

Concen: 19.841 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

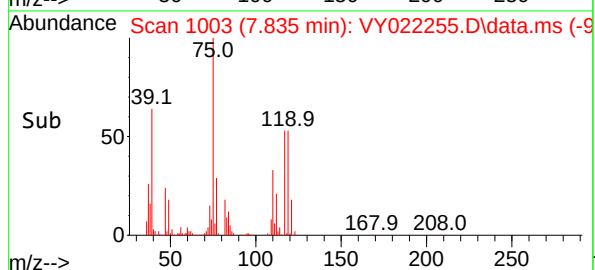
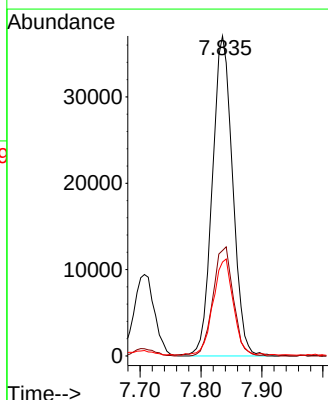
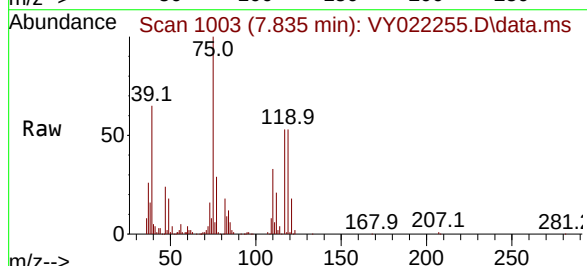
Tgt Ion: 75 Resp: 85789

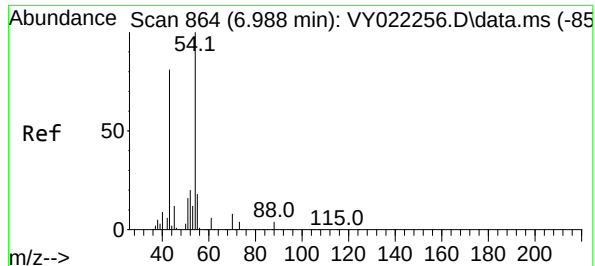
Ion Ratio Lower Upper

75 100

110 34.2 16.6 49.8

77 30.2 24.6 37.0





#37

Ethyl Acetate

Concen: 18.497 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 3848

Ion Ratio Lower Upper

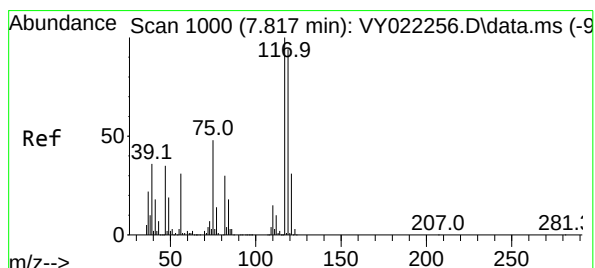
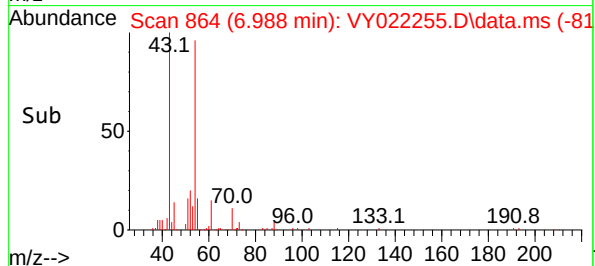
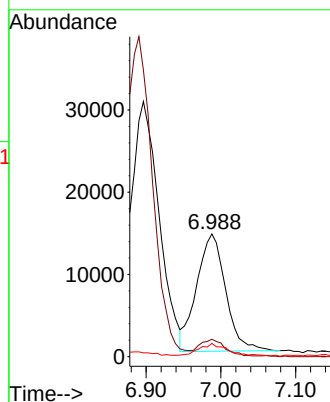
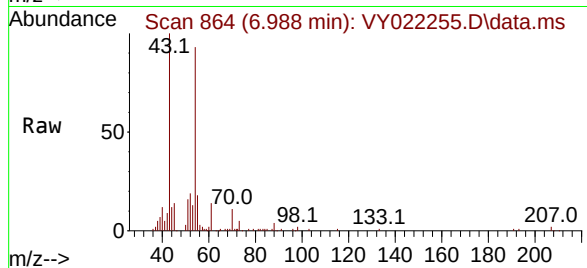
43 100

61 12.6 10.2 15.2

70 9.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#38

Carbon Tetrachloride

Concen: 19.410 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

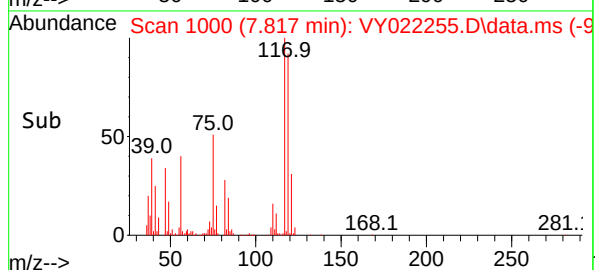
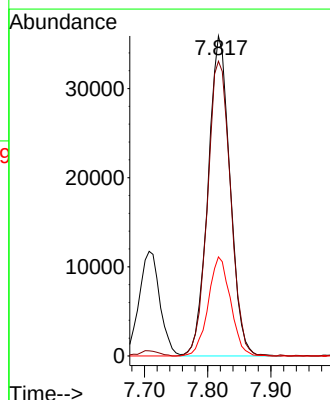
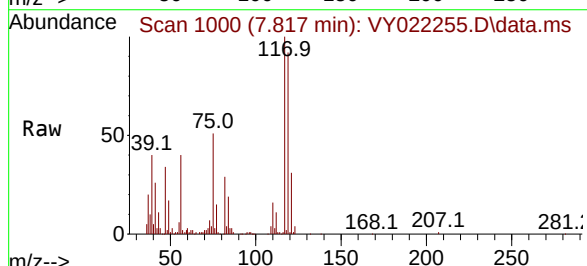
Tgt Ion:117 Resp: 86871

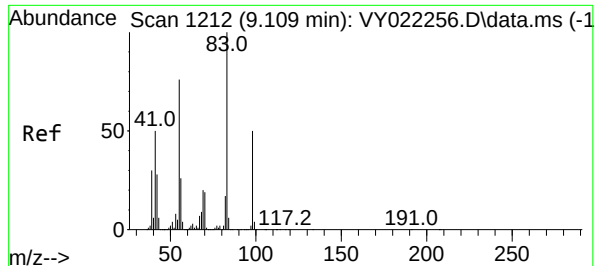
Ion Ratio Lower Upper

117 100

119 91.9 75.3 112.9

121 31.0 24.7 37.1





#39

Methylcyclohexane

Concen: 19.540 ug/l

RT: 9.109 min Scan# 11351

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 11351

Ion Ratio Lower Upper

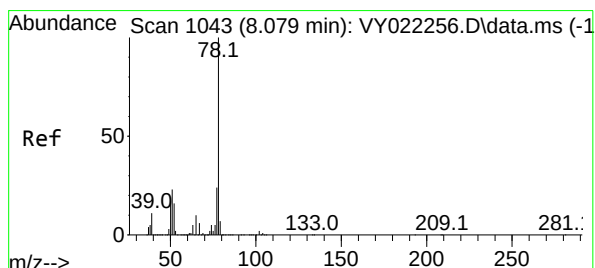
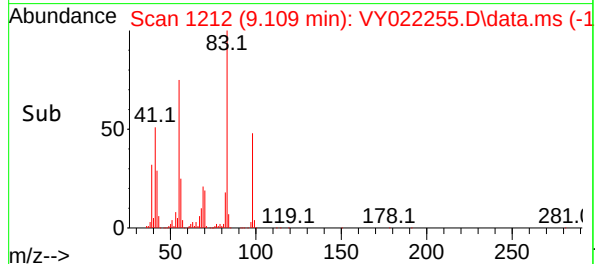
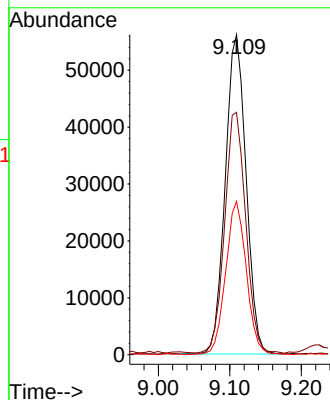
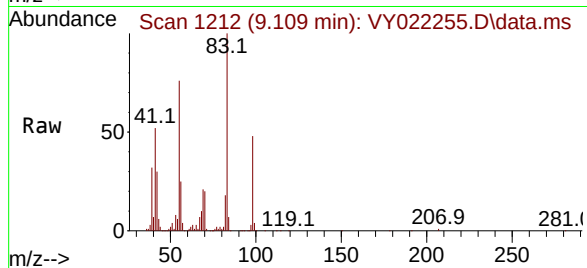
83 100

55 75.2 60.6 90.8

98 47.9 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#40

Benzene

Concen: 19.700 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022255.D

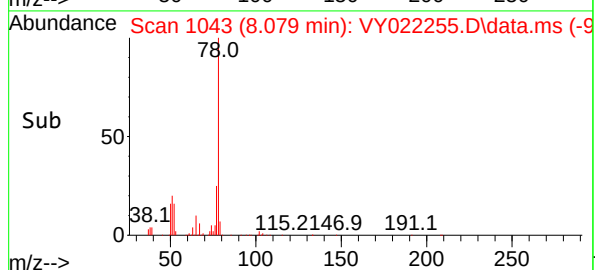
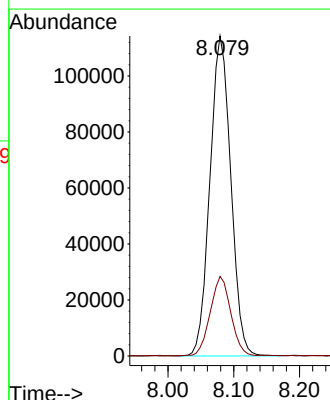
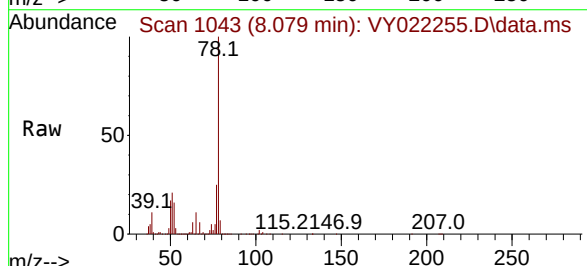
Acq: 15 May 2025 10:39

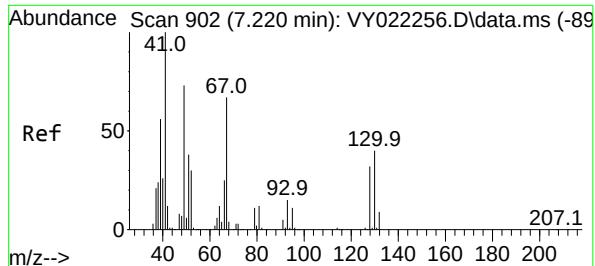
Tgt Ion: 78 Resp: 252507

Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3





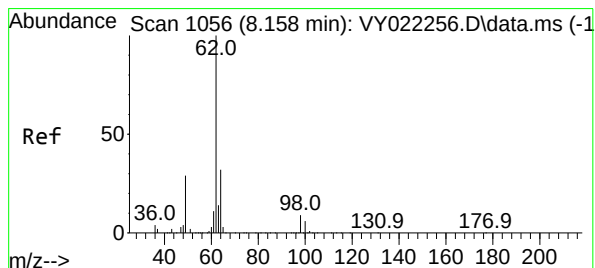
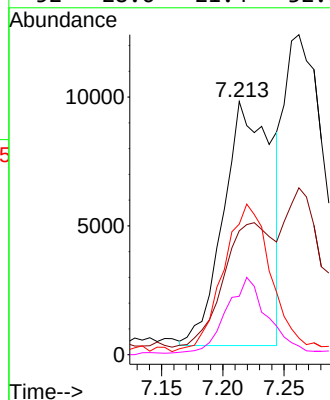
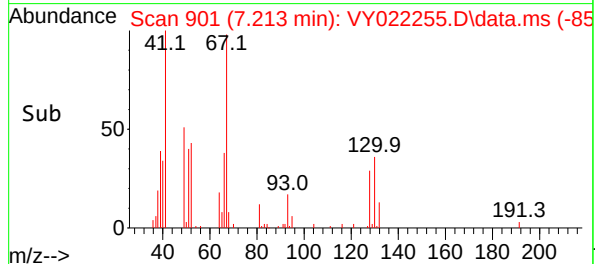
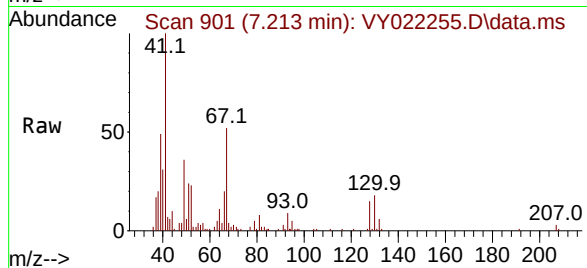
#41
Methacrylonitrile
Concen: 17.085 ug/l m
RT: 7.213 min Scan# 902
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 26008
Ion Ratio Lower Upper
41 100
39 53.1 39.1 58.7
67 60.9 47.1 70.7
52 28.6 21.4 32.0

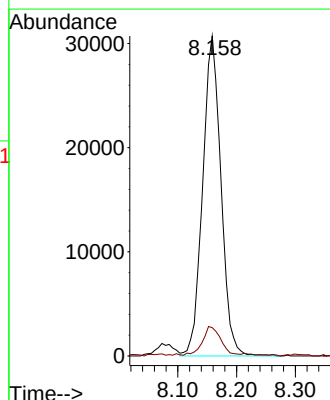
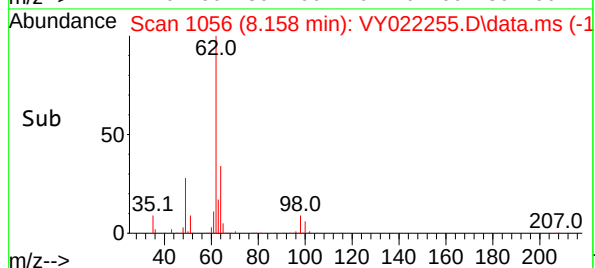
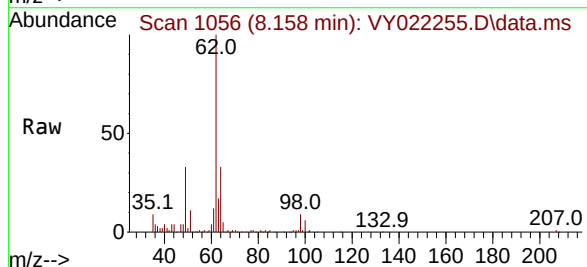
Manual Integrations
APPROVED

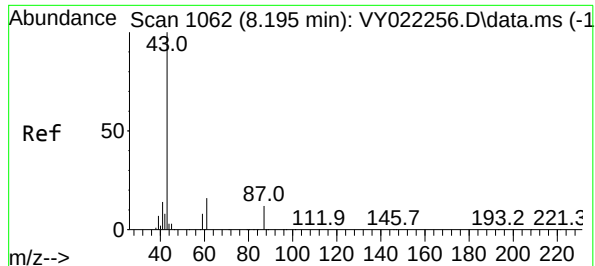
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 66525
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.631 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 8453

Ion Ratio Lower Upper

43 100

61 17.1 15.1 22.7

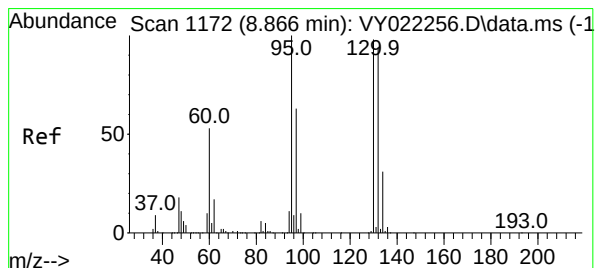
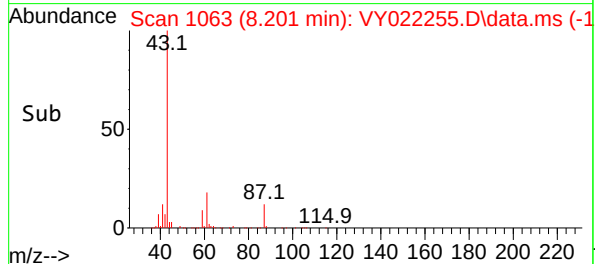
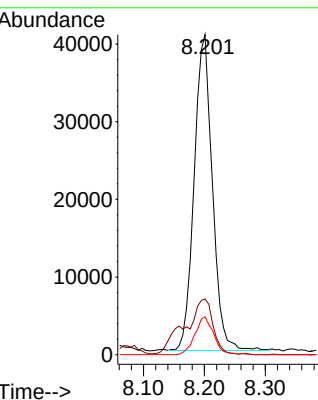
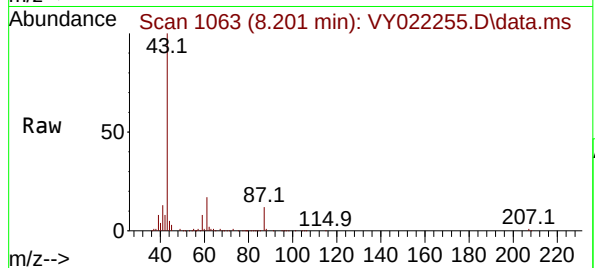
87 12.3 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#44

Trichloroethene

Concen: 19.904 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY022255.D

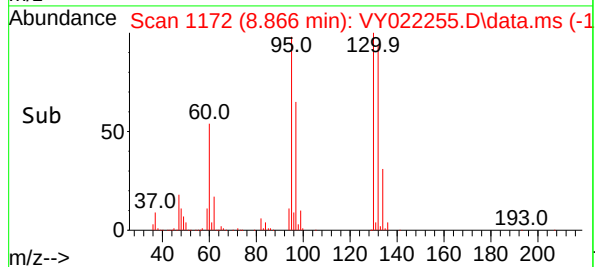
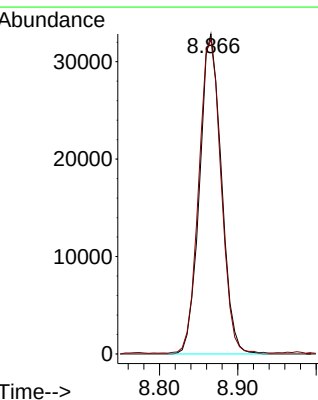
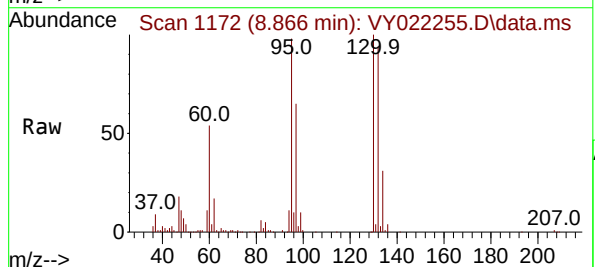
Acq: 15 May 2025 10:39

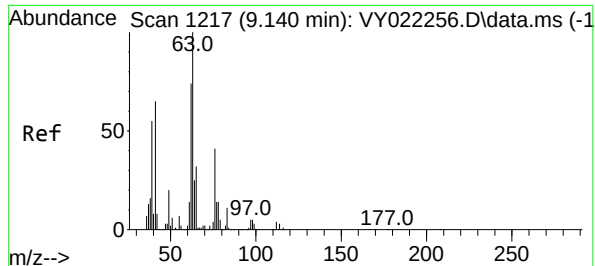
Tgt Ion:130 Resp: 63438

Ion Ratio Lower Upper

130 100

95 98.0 0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.557 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 60438

Ion Ratio Lower Upper

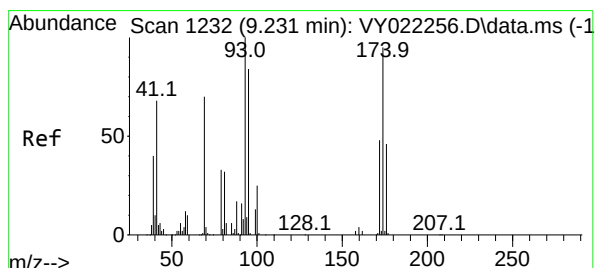
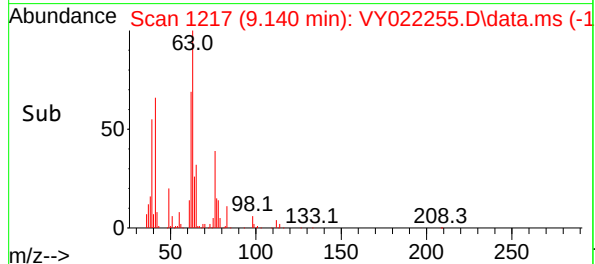
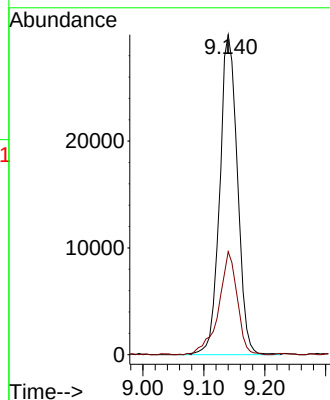
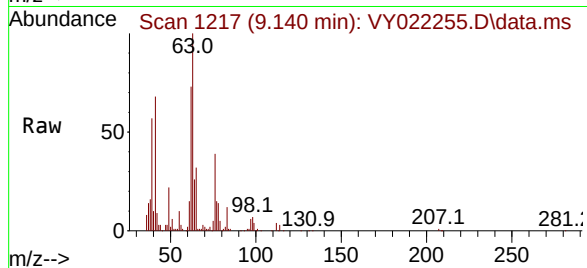
63 100

65 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 19.050 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

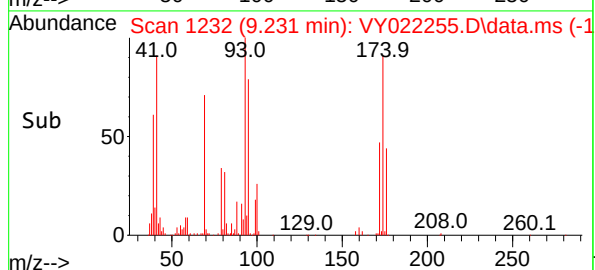
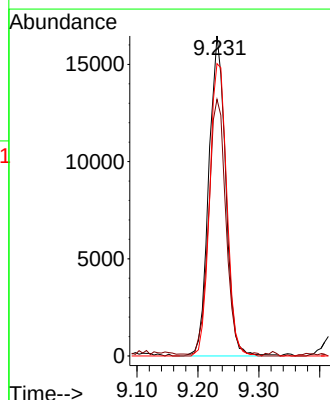
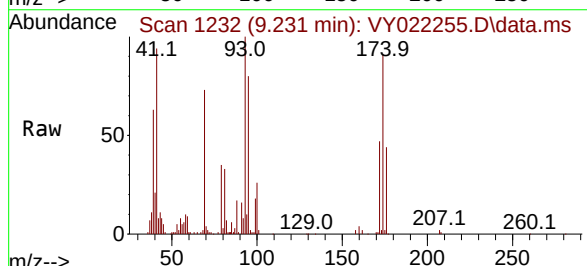
Tgt Ion: 93 Resp: 31752

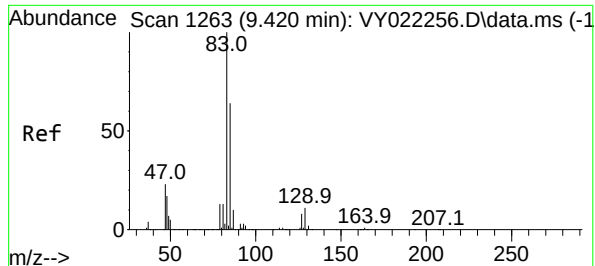
Ion Ratio Lower Upper

93 100

95 82.8 65.2 97.8

174 92.4 74.3 111.5





#47

Bromodichloromethane

Concen: 19.385 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

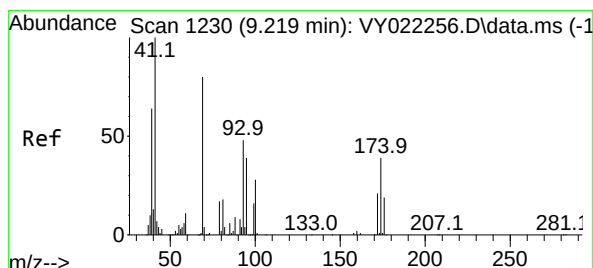
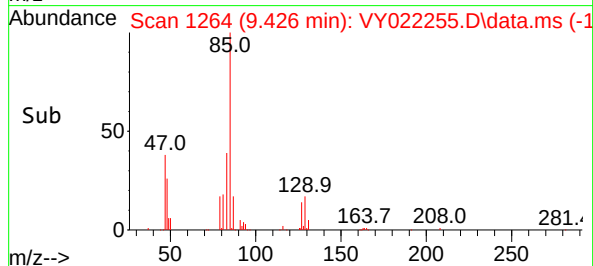
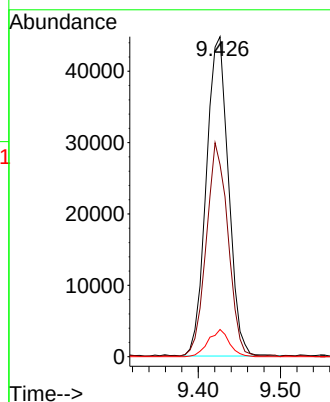
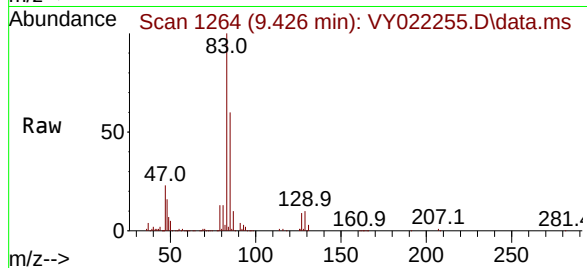
VSTDIC020

Tgt Ion: 83	Resp: 8382
Ion Ratio	Lower Upper
83 100	
85 60.2	51.1 76.7
127 8.5	6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#48

Methyl methacrylate

Concen: 18.563 ug/l

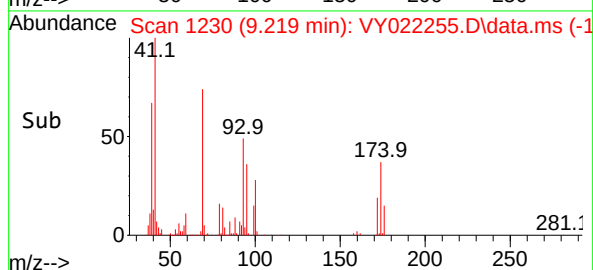
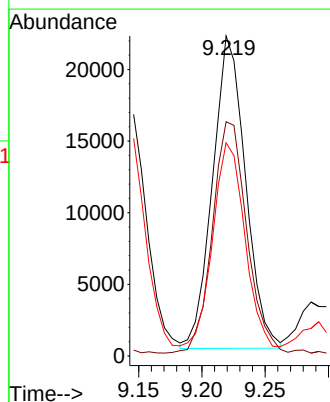
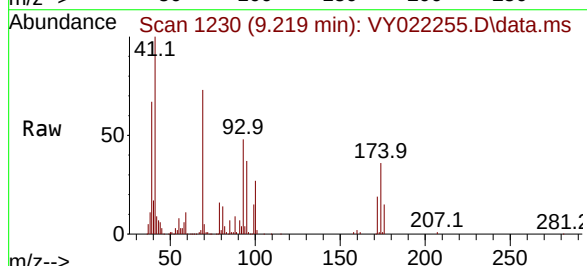
RT: 9.219 min Scan# 1230

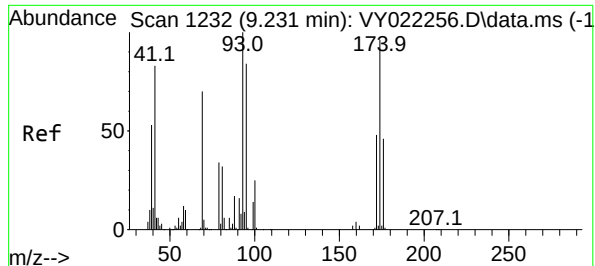
Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Tgt Ion: 41	Resp: 39387
Ion Ratio	Lower Upper
41 100	
69 77.5	63.5 95.3
39 63.4	50.8 76.2





#49

1,4-Dioxane

Concen: 388.323 ug/l

RT: 9.237 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 731

Ion Ratio Lower Upper

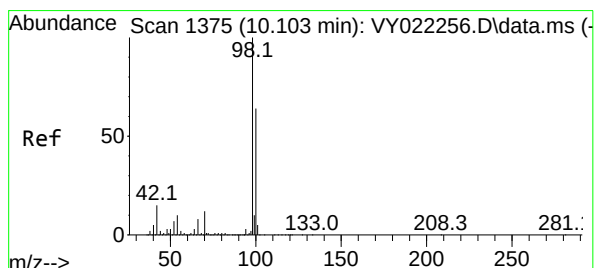
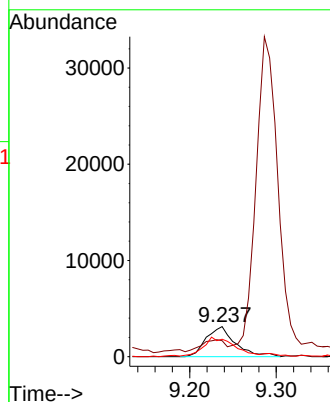
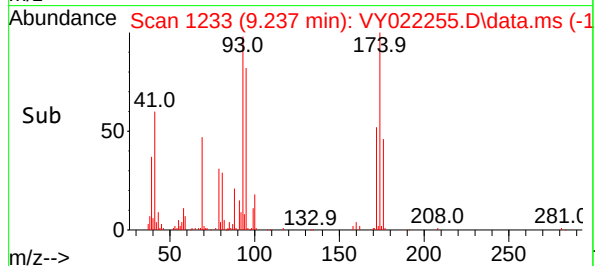
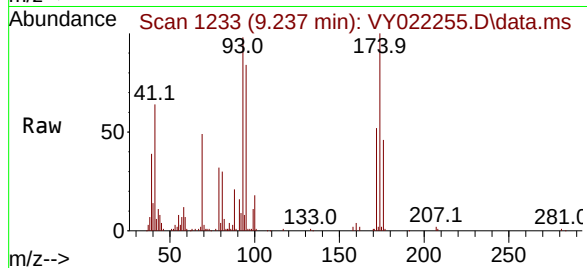
88 100

43 31.6 28.5 42.7

58 71.1 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#50

Toluene-d8

Concen: 19.552 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022255.D

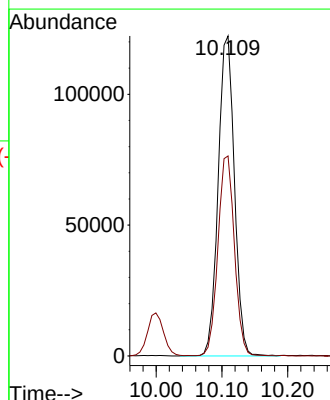
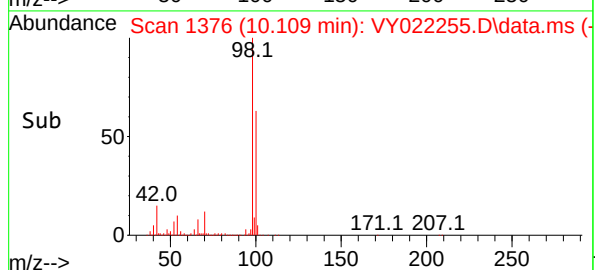
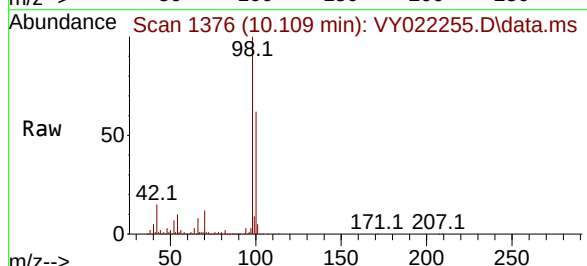
Acq: 15 May 2025 10:39

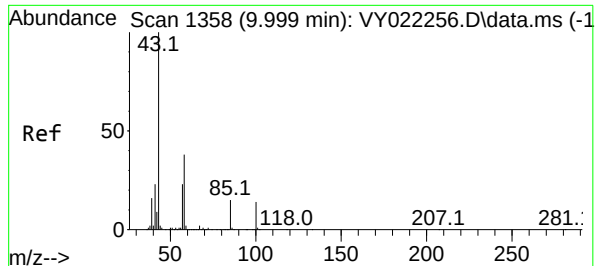
Tgt Ion: 98 Resp: 210206

Ion Ratio Lower Upper

98 100

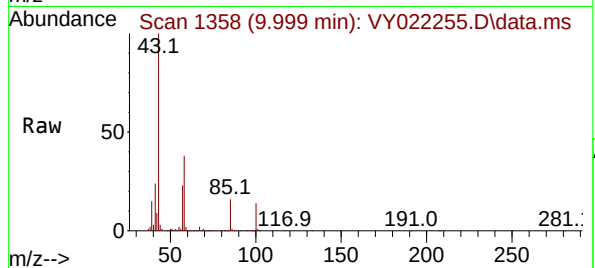
100 63.4 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 90.940 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

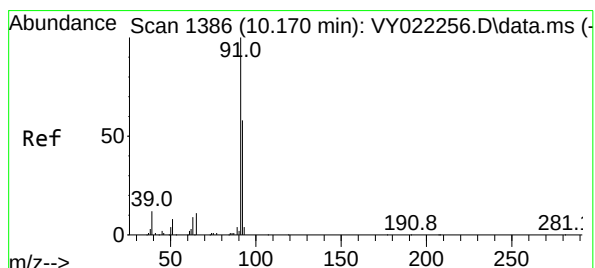
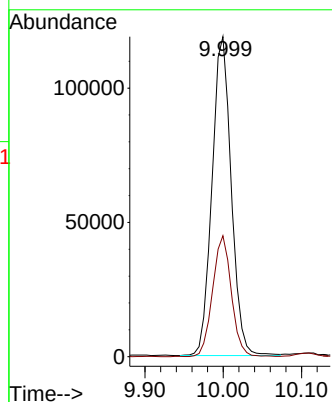
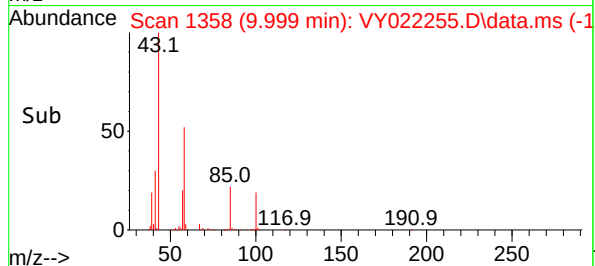
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 202454
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2

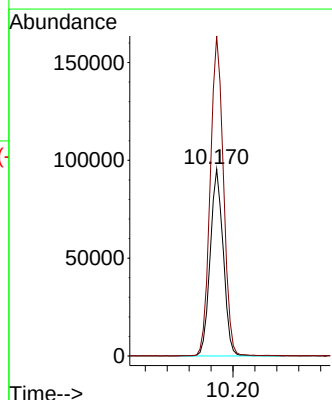
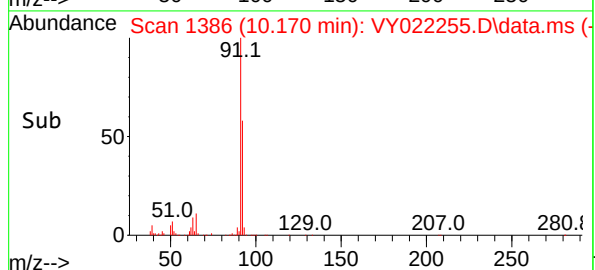
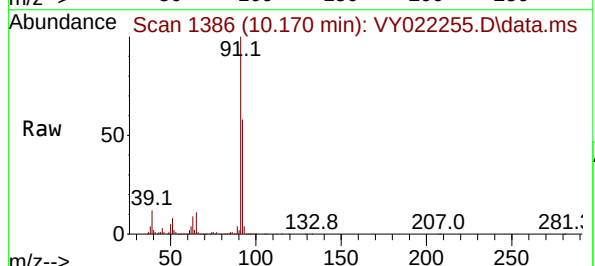
Manual Integrations
APPROVED

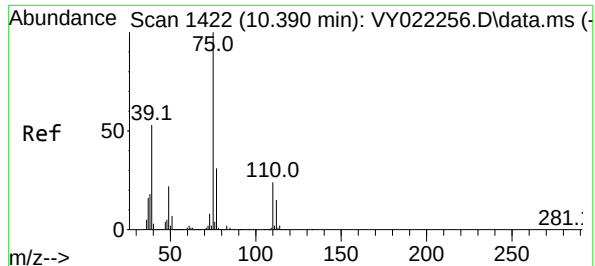
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 19.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 92 Resp: 156498
Ion Ratio Lower Upper
92 100
91 173.5 139.1 208.7





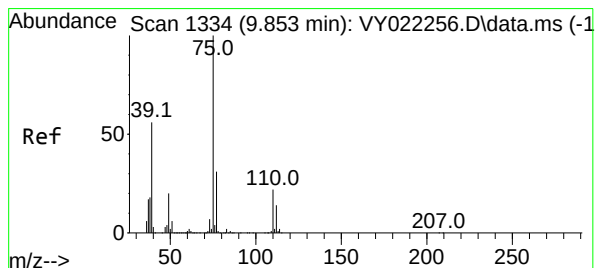
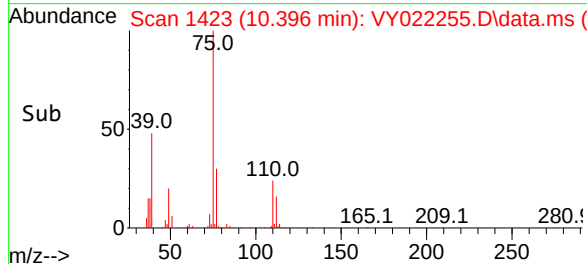
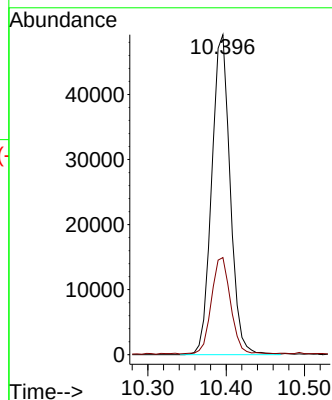
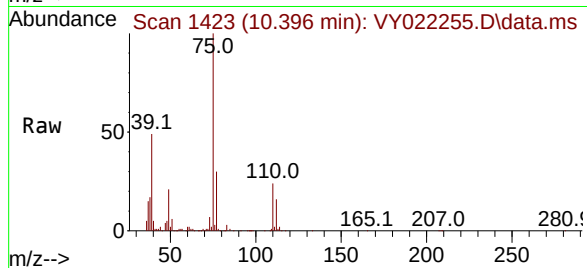
#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 8041
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.6

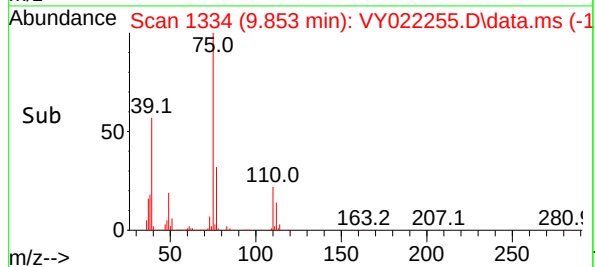
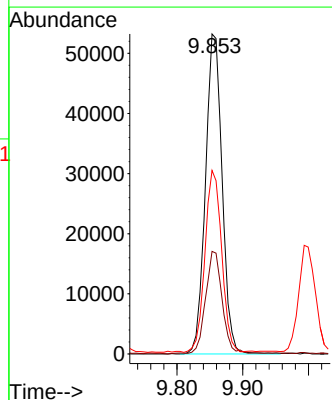
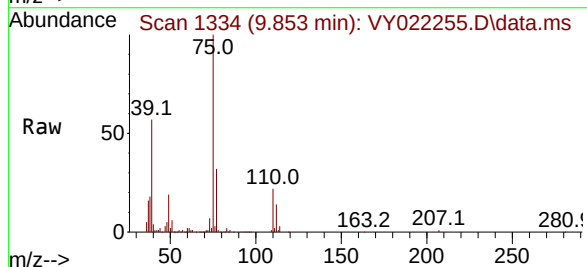
Manual Integrations
APPROVED

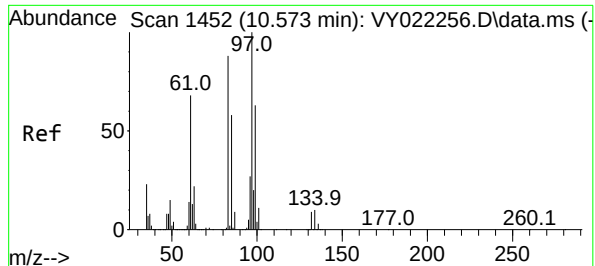
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

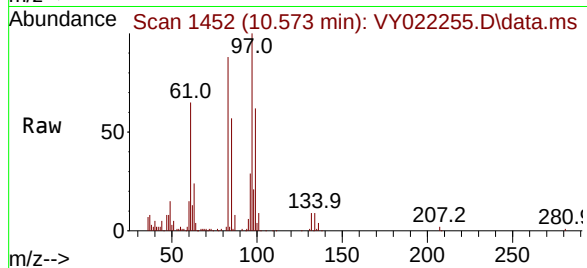
Tgt Ion: 75 Resp: 94074
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 56.6 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 19.149 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

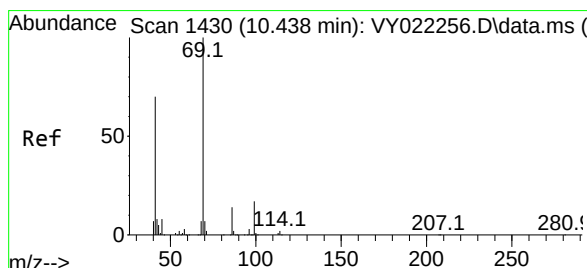
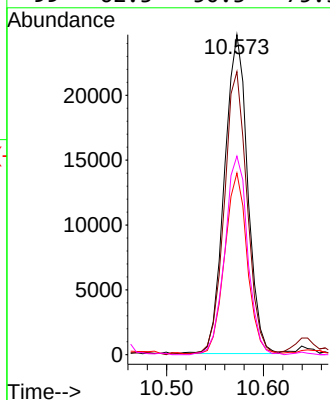
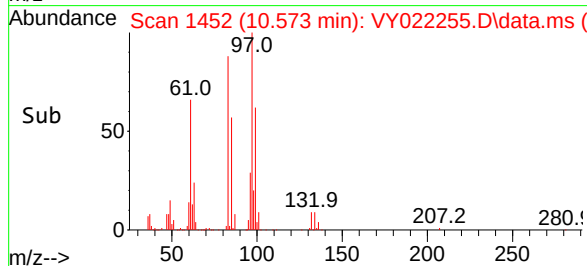
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 40872
Ion Ratio Lower Upper
97 100
83 88.4 70.3 105.5
85 56.5 46.2 69.4
99 62.3 50.3 75.5

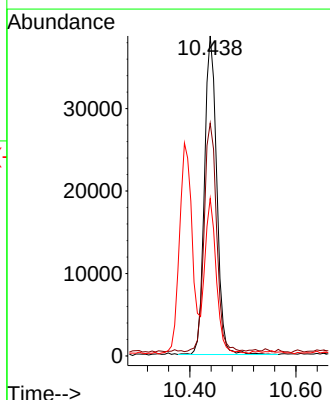
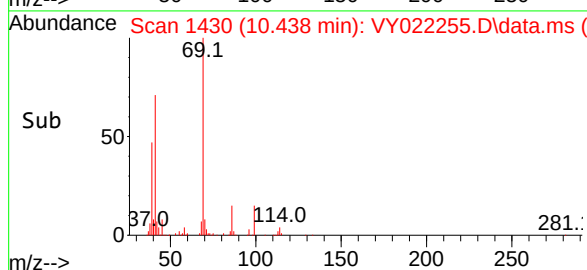
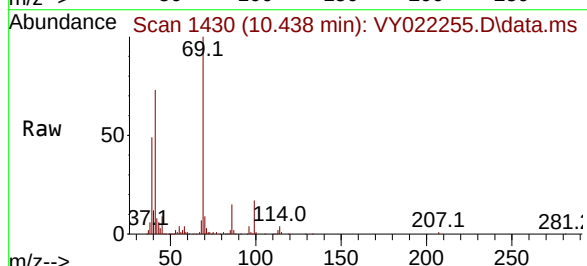
Manual Integrations
APPROVED

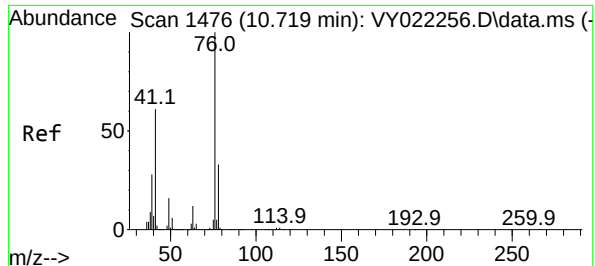
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

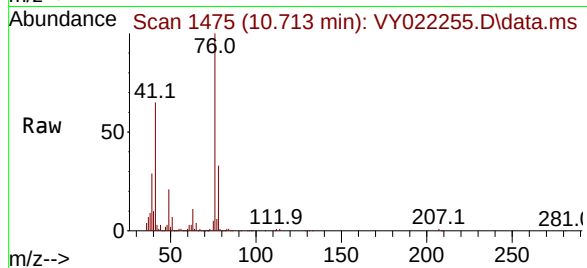
Tgt Ion: 69 Resp: 62193
Ion Ratio Lower Upper
69 100
41 73.0 56.5 84.7
39 44.2 37.1 55.7





#57
1,3-Dichloropropane
Concen: 19.175 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

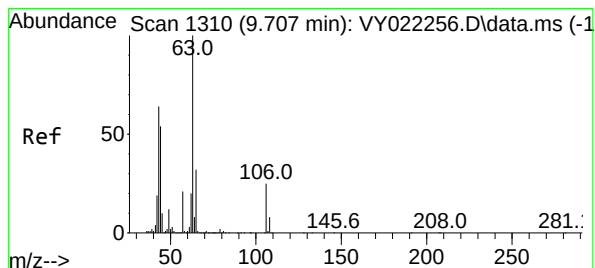
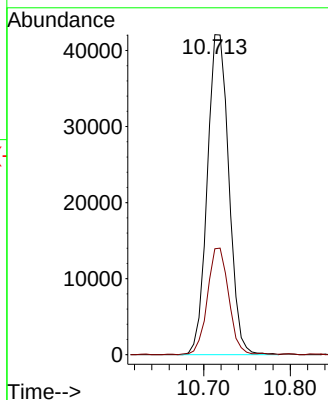
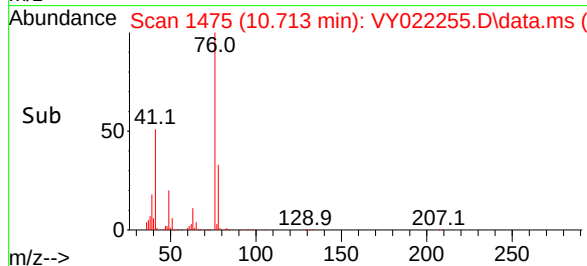
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



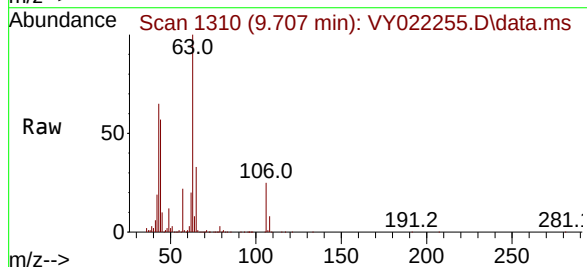
Tgt Ion: 76 Resp: 72715
Ion Ratio Lower Upper
76 100
78 33.1 25.8 38.8

Manual Integrations
APPROVED

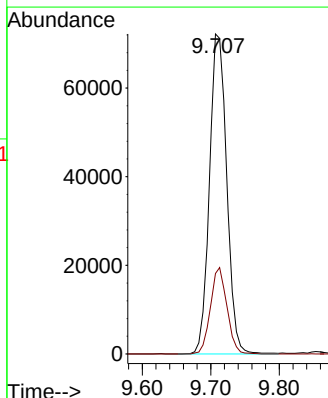
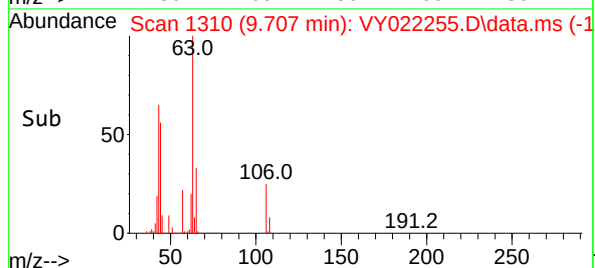
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

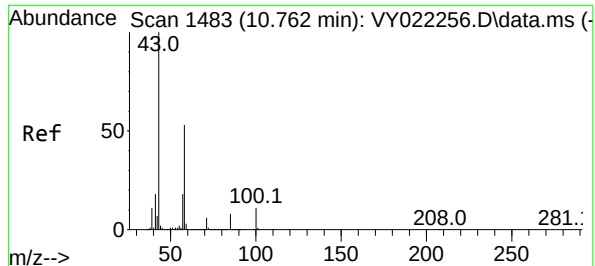


#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



Tgt Ion: 63 Resp: 126240
Ion Ratio Lower Upper
63 100
106 25.7 21.0 31.4





#59

2-Hexanone

Concen: 88.766 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 132490

Ion Ratio Lower Upper

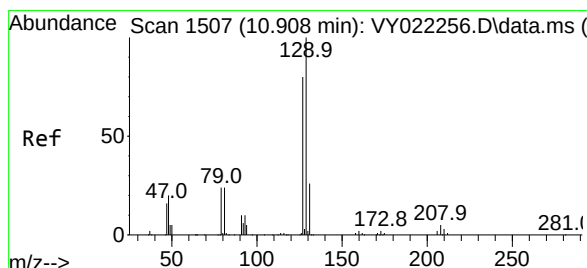
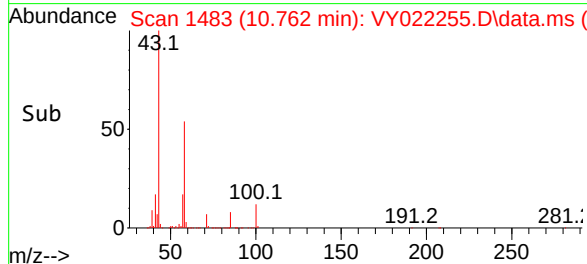
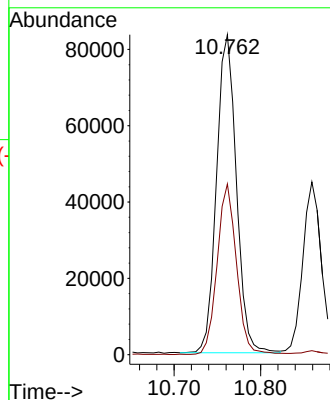
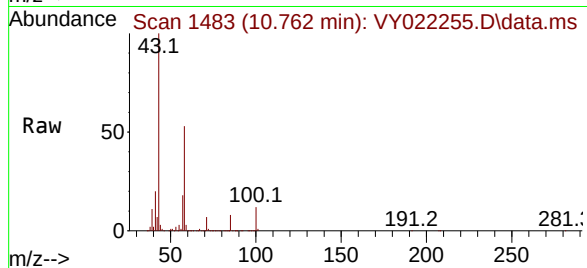
43 100

58 52.4 26.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60

Dibromochloromethane

Concen: 18.898 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY022255.D

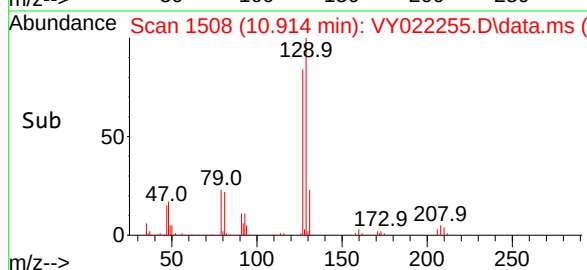
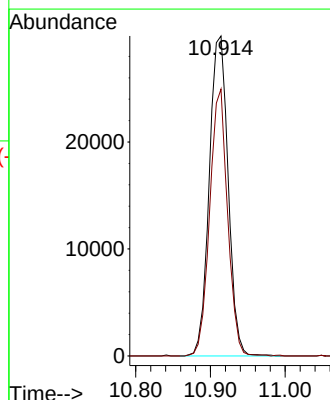
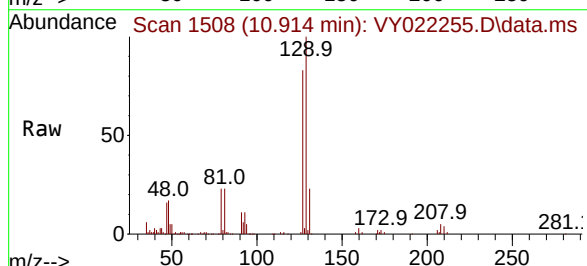
Acq: 15 May 2025 10:39

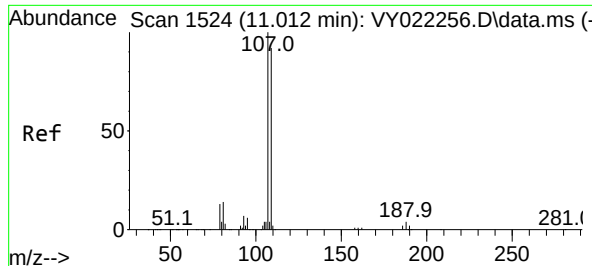
Tgt Ion:129 Resp: 52353

Ion Ratio Lower Upper

129 100

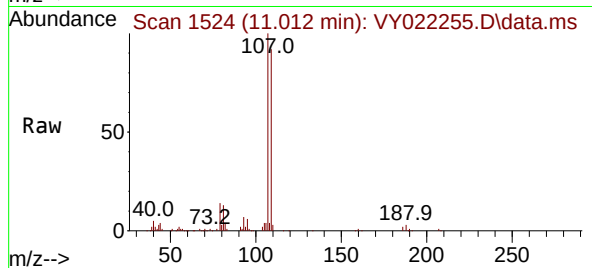
127 79.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

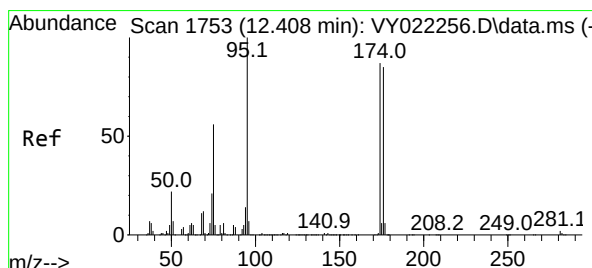
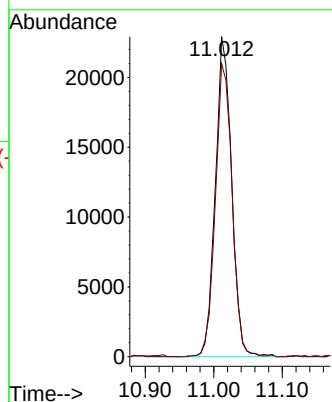
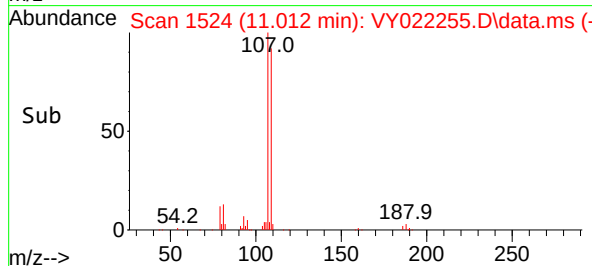
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 37735
Ion Ratio Lower Upper
107 100
109 94.1 74.6 111.8

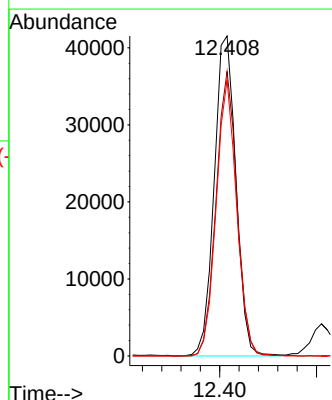
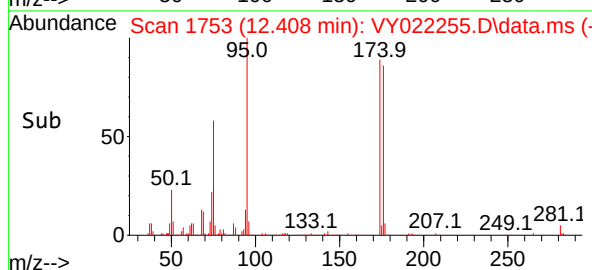
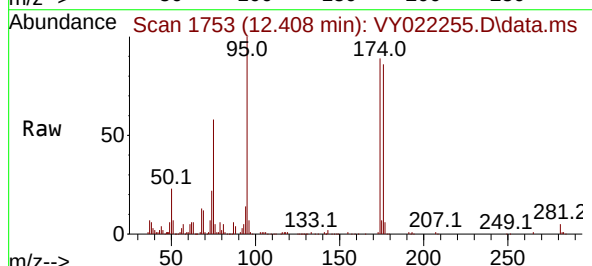
Manual Integrations
APPROVED

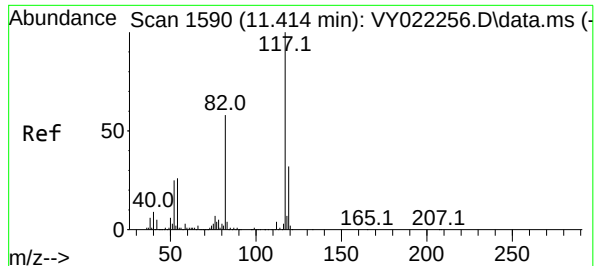
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 18.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

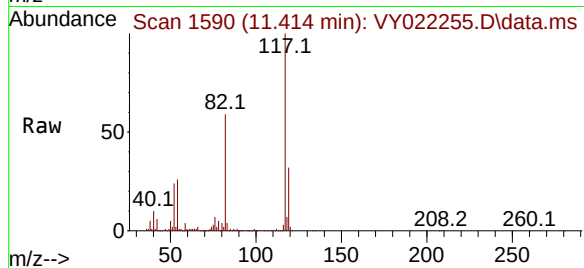
Tgt Ion: 95 Resp: 64706
Ion Ratio Lower Upper
95 100
174 85.7 0.0 166.8
176 81.3 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

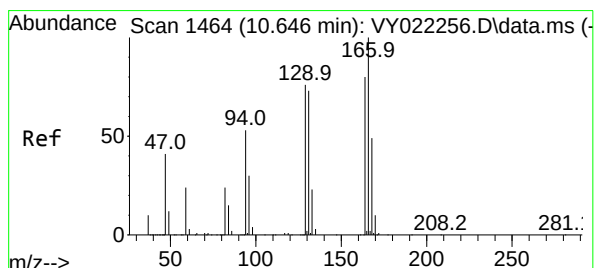
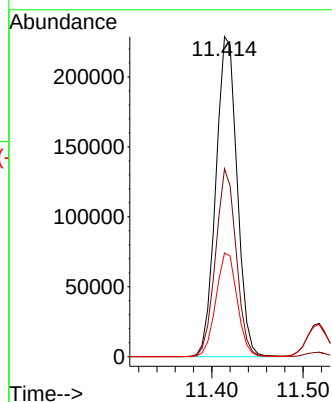
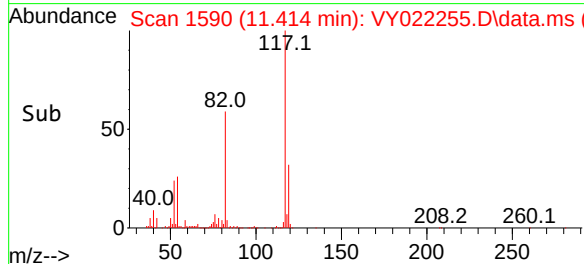
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



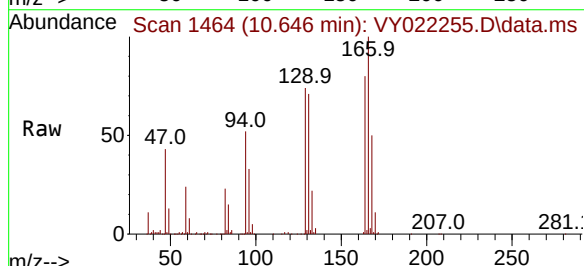
Tgt Ion:117 Resp: 370072
Ion Ratio Lower Upper
117 100
82 58.7 46.6 70.0
119 32.4 25.8 38.6

Manual Integrations
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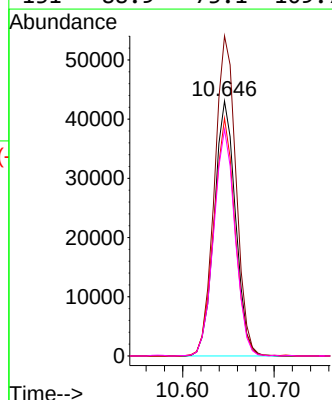
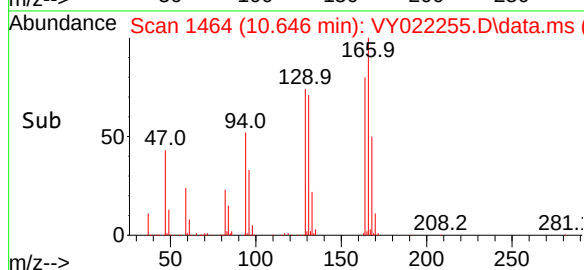
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

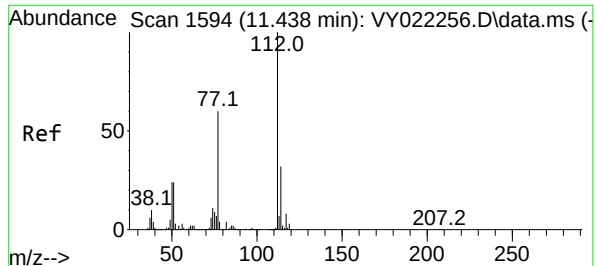


#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



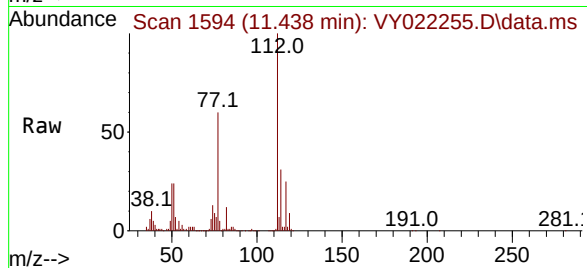
Tgt Ion:164 Resp: 69548
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 93.2 76.4 114.6
131 88.9 73.1 109.7





#65
Chlorobenzene
Concen: 19.610 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

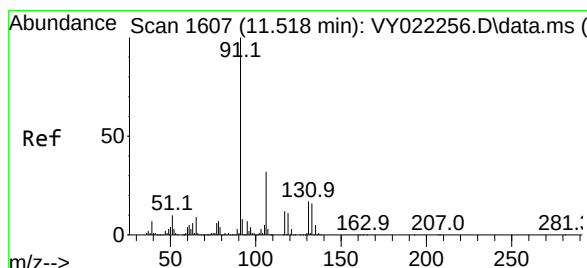
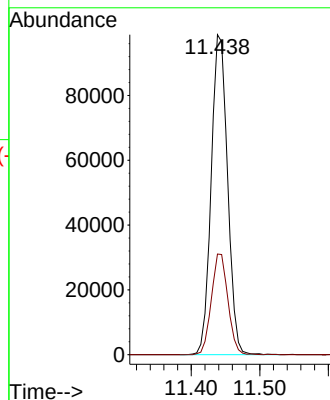
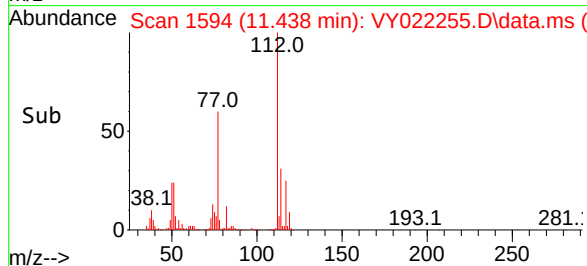
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 163725
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

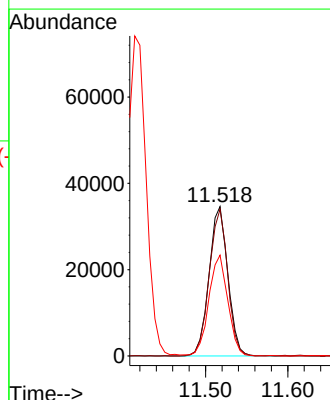
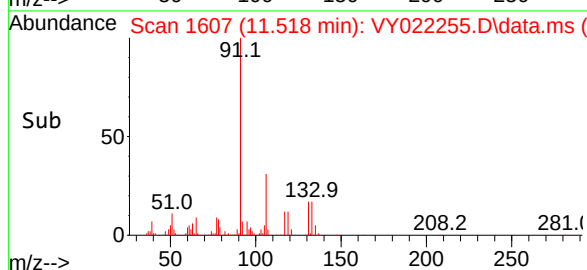
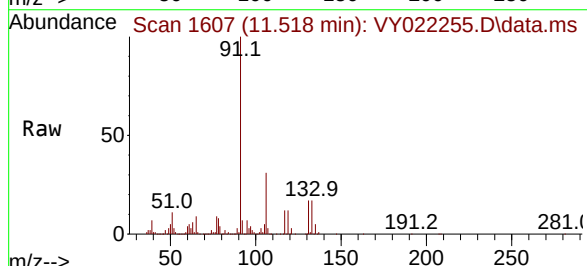
Manual Integrations
APPROVED

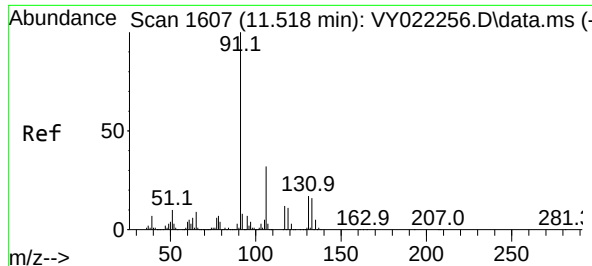
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:131 Resp: 55078
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.9
119 68.4 33.1 99.2





#67

Ethyl Benzene

Concen: 19.402 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 303379

Ion Ratio Lower Upper

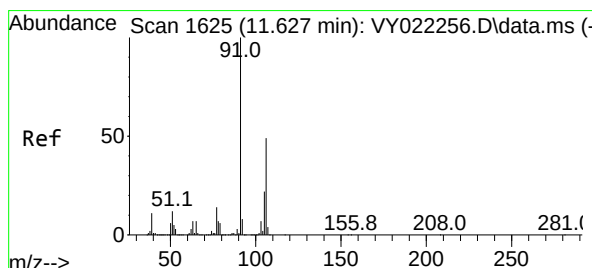
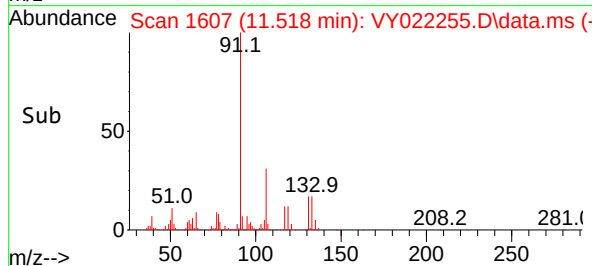
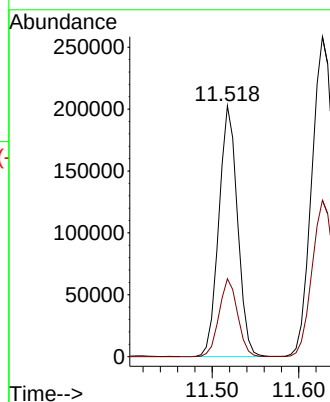
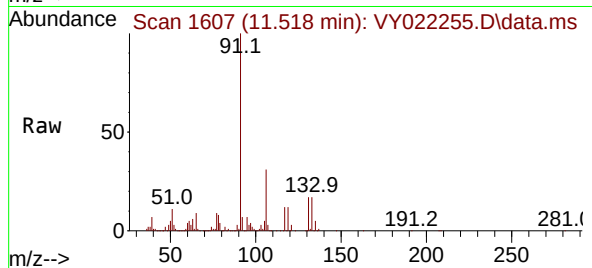
91 100

106 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#68

m/p-Xylenes

Concen: 38.355 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022255.D

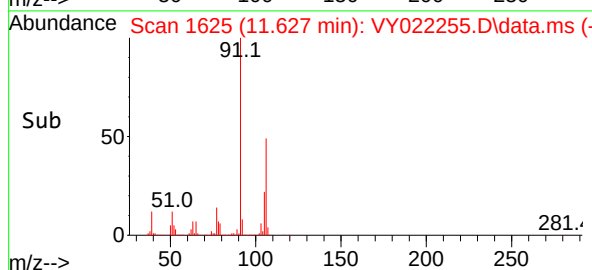
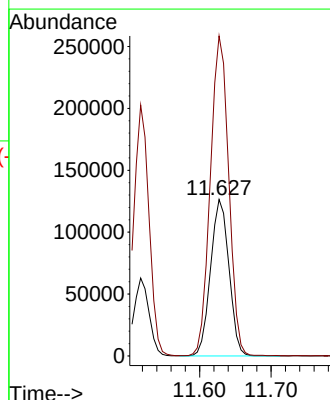
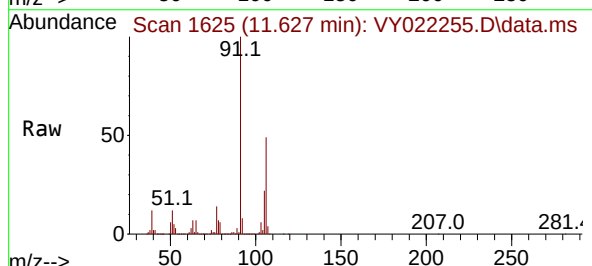
Acq: 15 May 2025 10:39

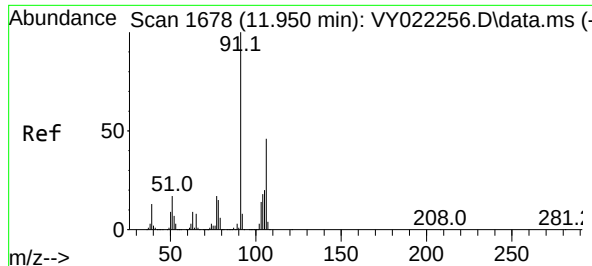
Tgt Ion:106 Resp: 225990

Ion Ratio Lower Upper

106 100

91 204.2 163.0 244.4





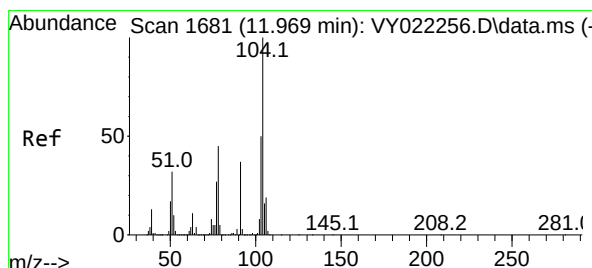
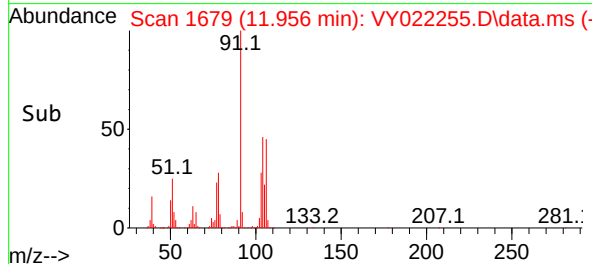
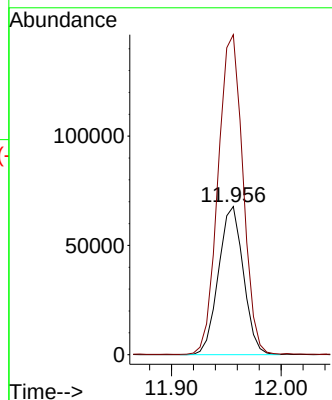
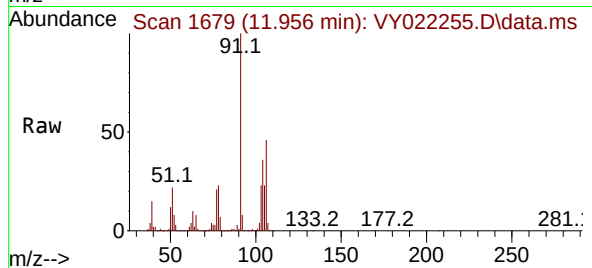
#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 106998
Ion Ratio Lower Upper
106 100
91 215.7 108.3 324.8

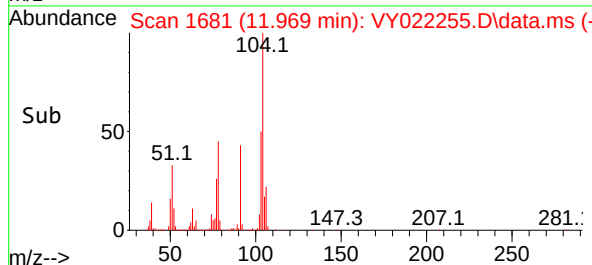
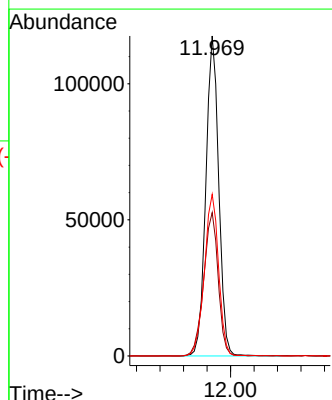
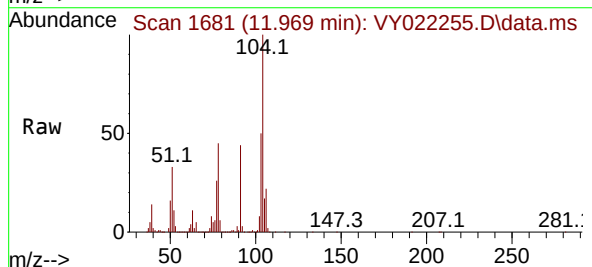
Manual Integrations
APPROVED

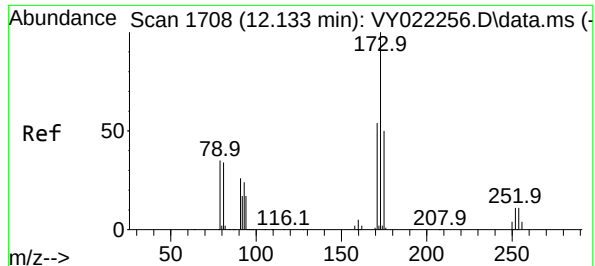
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 19.048 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

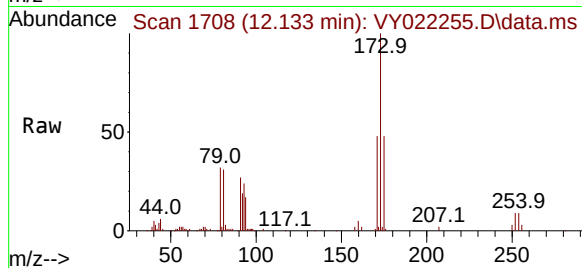
Tgt Ion:104 Resp: 179114
Ion Ratio Lower Upper
104 100
78 50.3 40.9 61.3
103 55.7 43.7 65.5





#71
Bromoform
Concen: 18.582 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

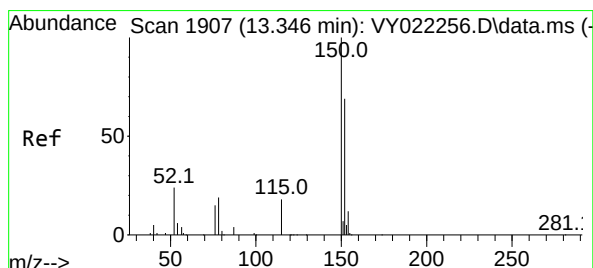
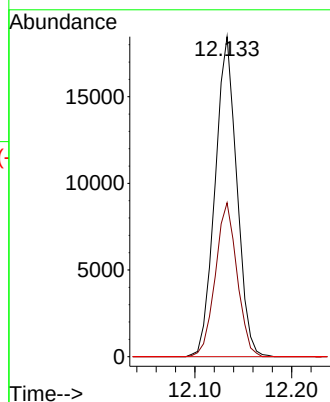
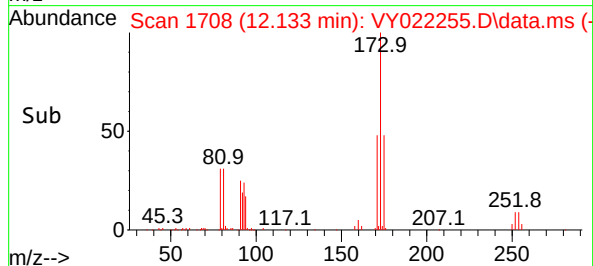
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



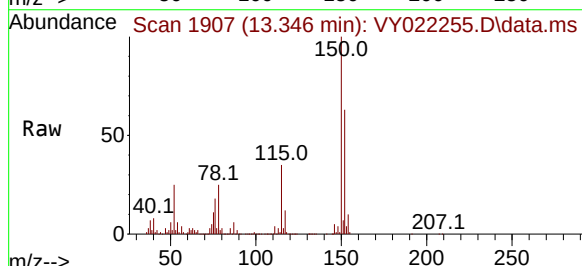
Tgt Ion:173 Resp: 28788
Ion Ratio Lower Upper
173 100
175 48.0 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

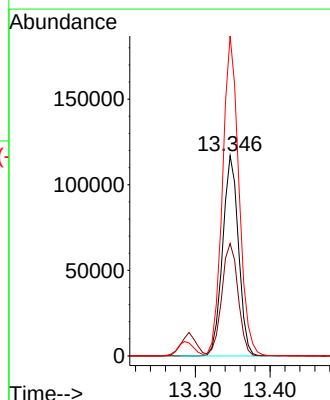
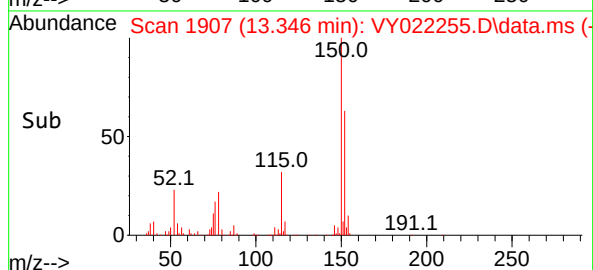
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

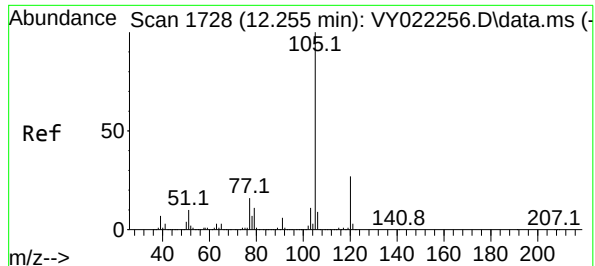


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



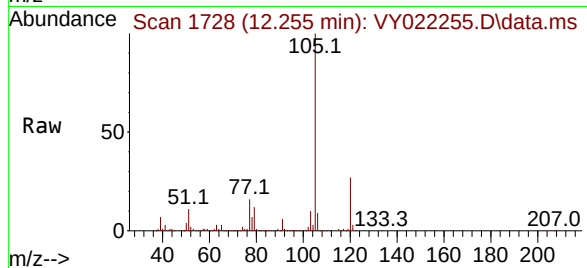
Tgt Ion:152 Resp: 172509
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 165.2 0.0 353.8





#73
Isopropylbenzene
Concen: 19.795 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

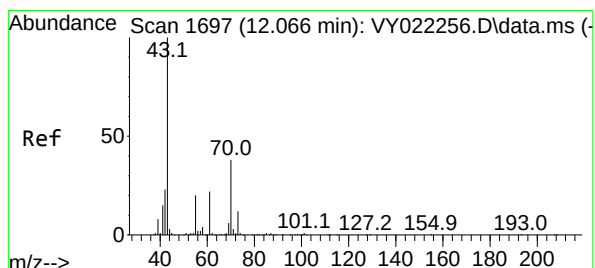
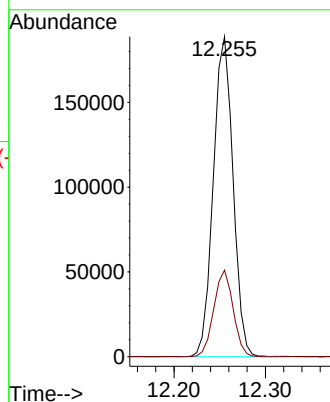
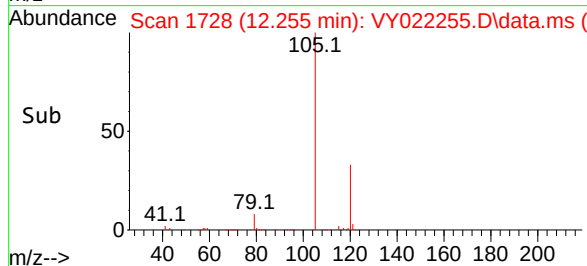
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 28289
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

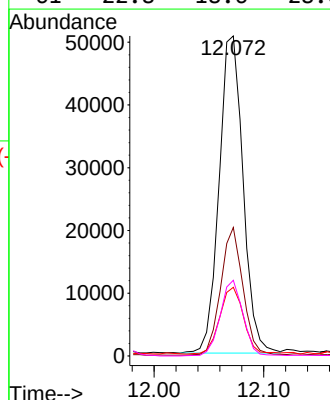
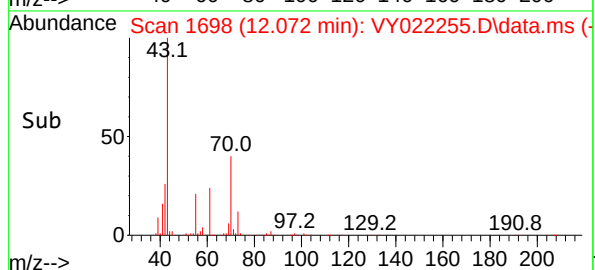
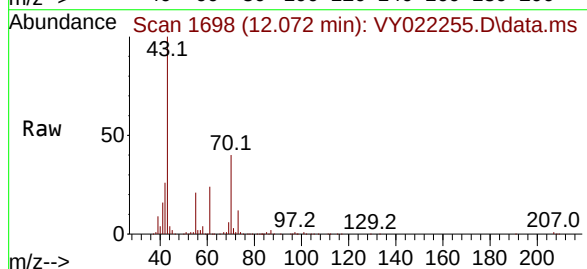
Manual Integrations
APPROVED

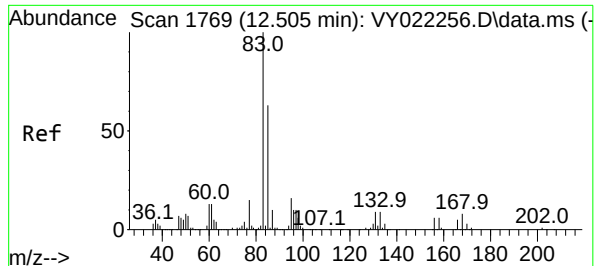
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 18.799 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 76841
Ion Ratio Lower Upper
43 100
70 37.3 31.4 47.0
55 21.3 17.0 25.6
61 22.8 18.6 28.0





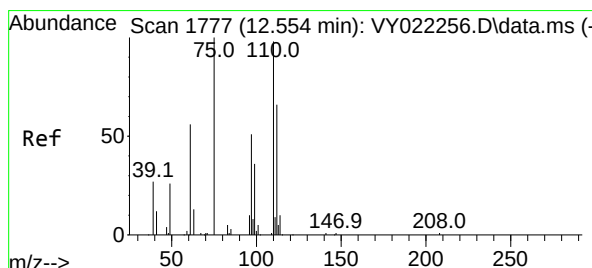
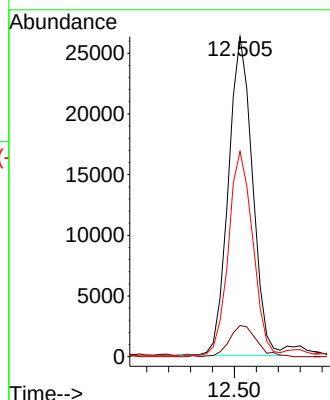
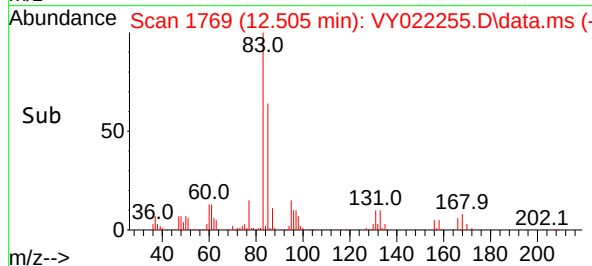
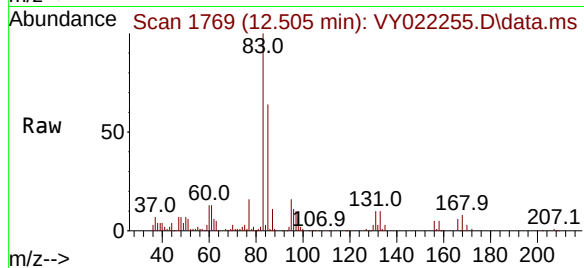
#75
1,1,2-Tetrachloroethane
Concen: 18.228 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 40064
Ion Ratio Lower Upper
83 100
131 11.1 4.9 14.7
85 65.9 32.0 96.0

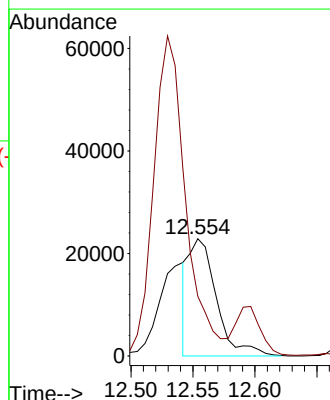
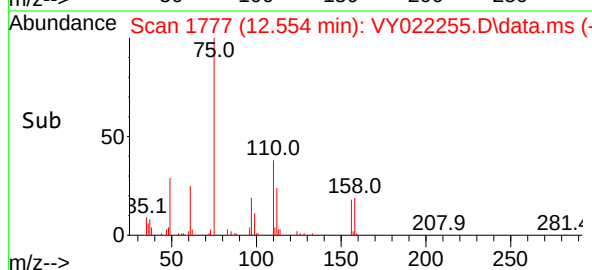
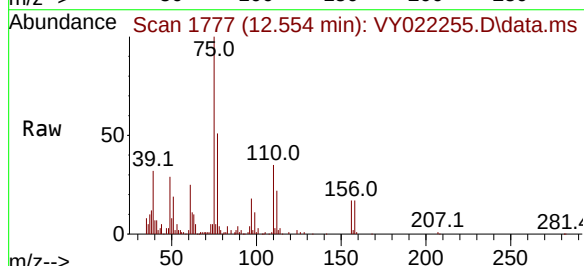
Manual Integrations
APPROVED

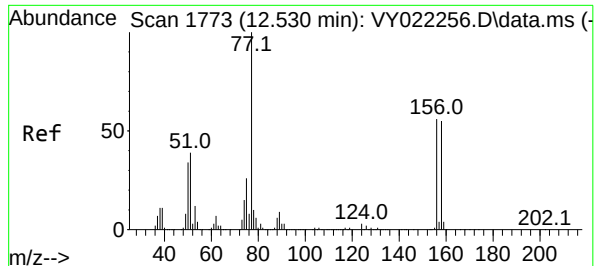
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 11.701 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

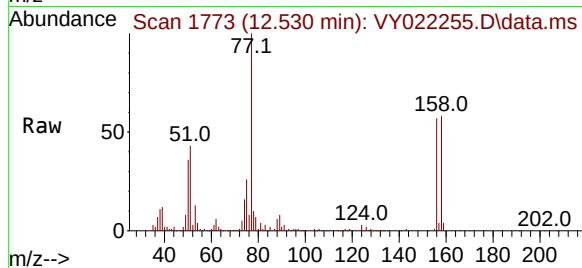
Tgt Ion: 75 Resp: 35574
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 19.170 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

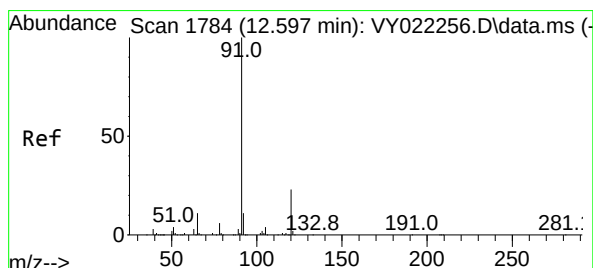
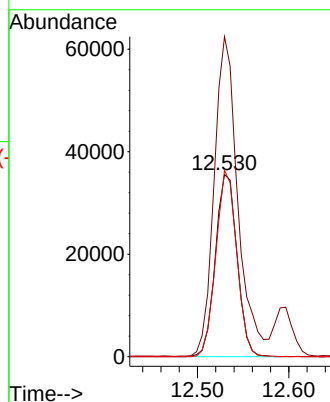
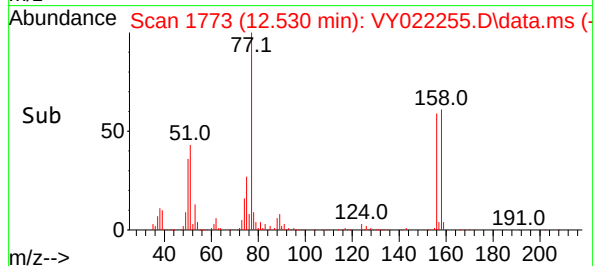
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



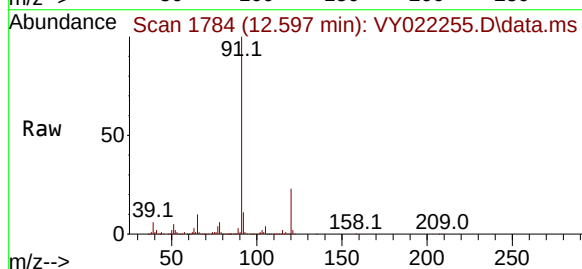
Tgt Ion: 156 Resp: 5851
Ion Ratio Lower Upper
156 100
77 190.6 94.5 283.6
158 99.0 48.4 145.3

Manual Integrations
APPROVED

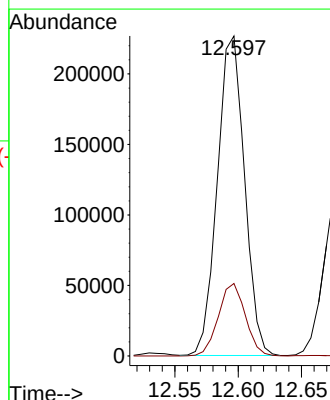
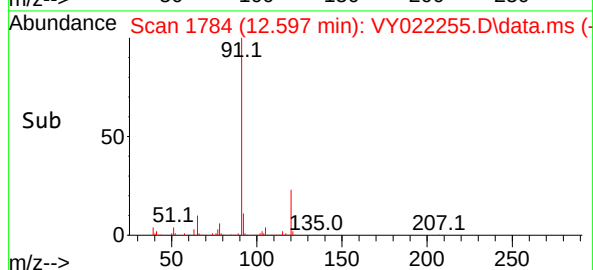
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

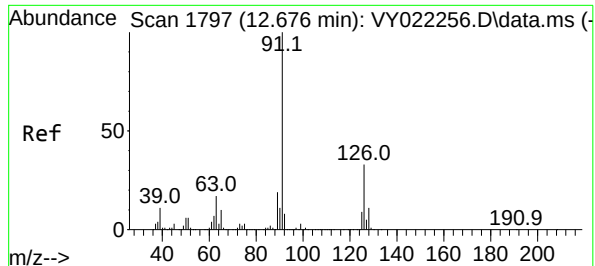


#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



Tgt Ion: 91 Resp: 338383
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.621 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 185872

Ion Ratio Lower Upper

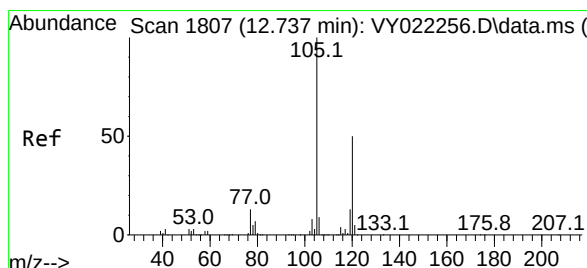
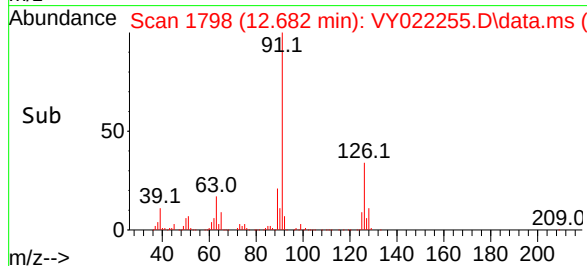
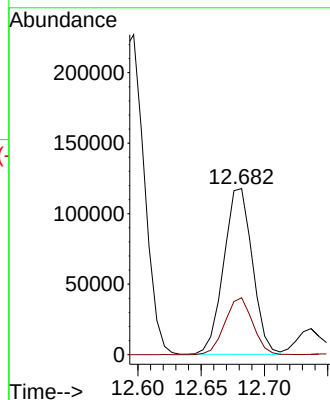
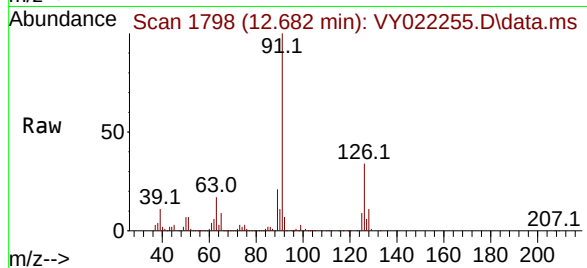
91 100

126 33.3 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.587 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022255.D

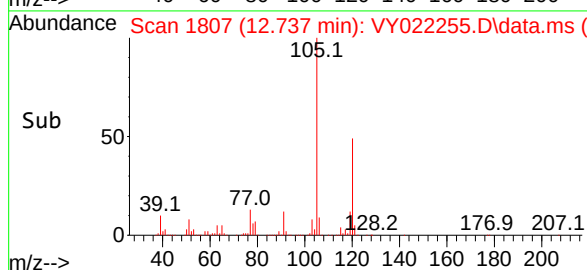
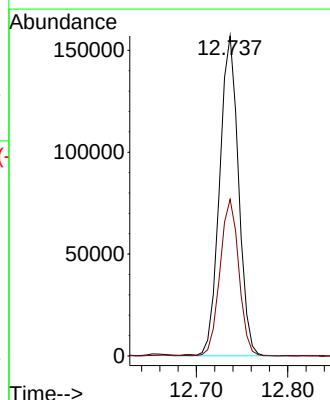
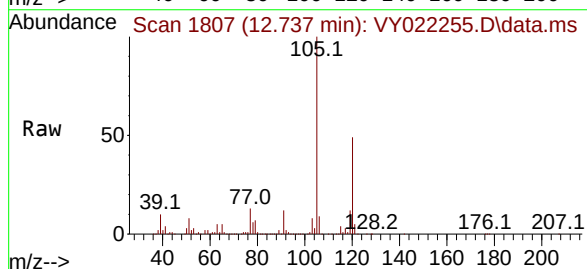
Acq: 15 May 2025 10:39

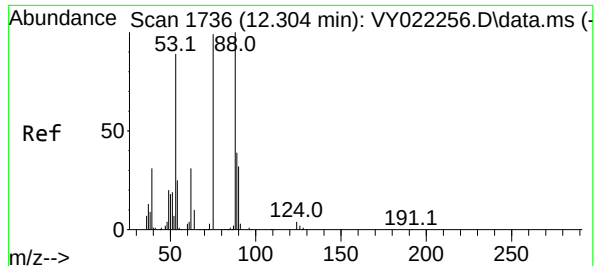
Tgt Ion:105 Resp: 225966

Ion Ratio Lower Upper

105 100

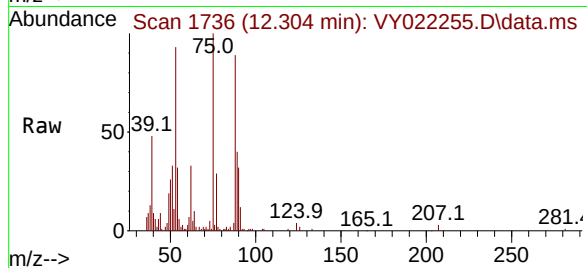
120 48.9 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.302 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

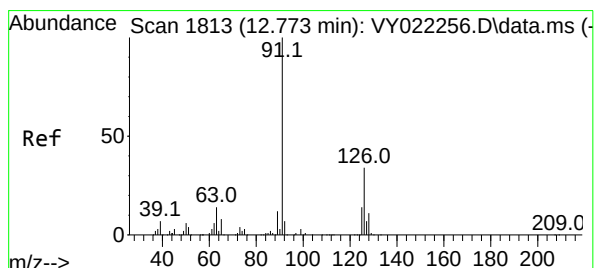
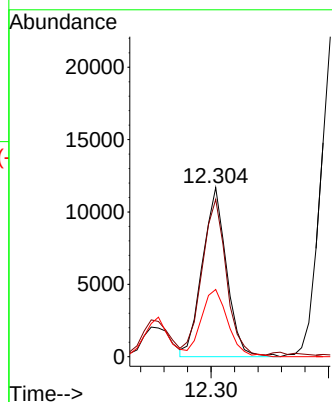
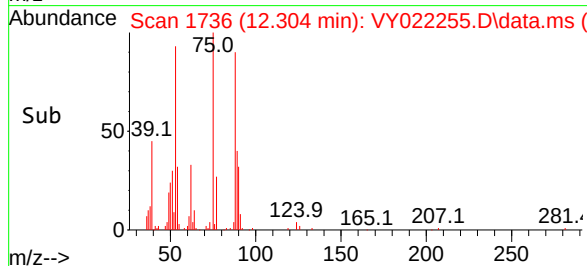
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1665
Ion Ratio Lower Upper
75 100
53 92.5 75.8 113.8
89 43.2 36.2 54.2

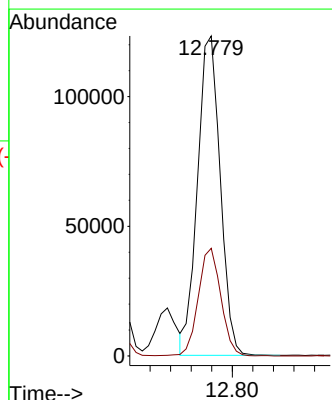
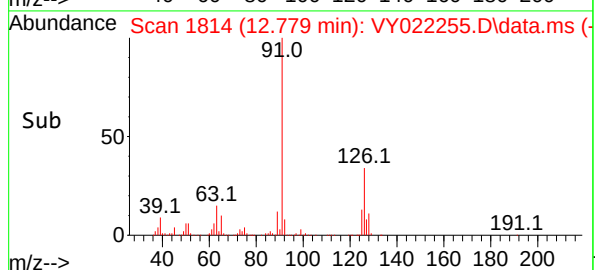
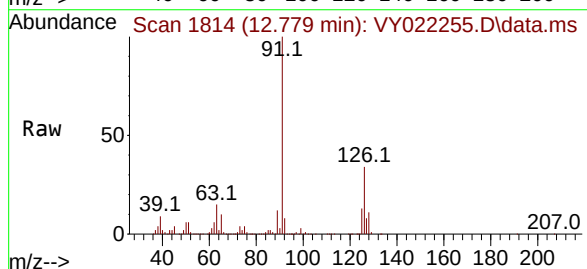
Manual Integrations
APPROVED

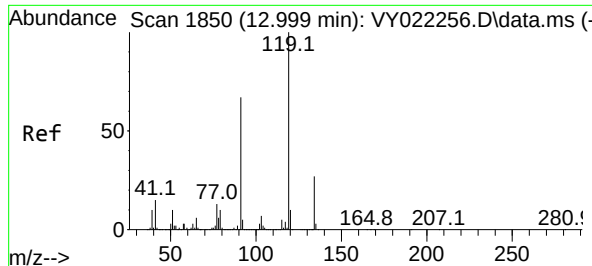
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 19.433 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 189350
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4





#83

tert-Butylbenzene

Concen: 19.515 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022255.D

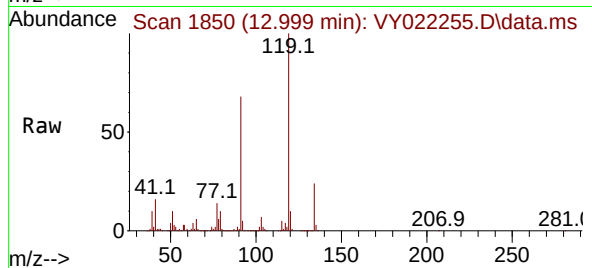
Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020



Tgt Ion:119 Resp: 20010

Ion Ratio Lower Upper

119 100

91 66.3 32.8 98.3

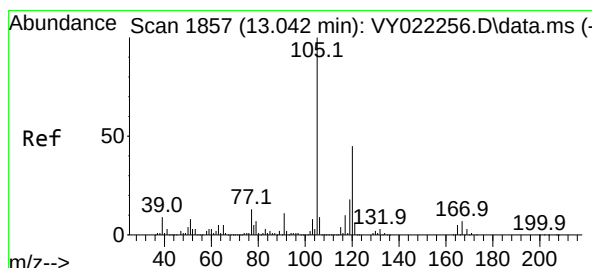
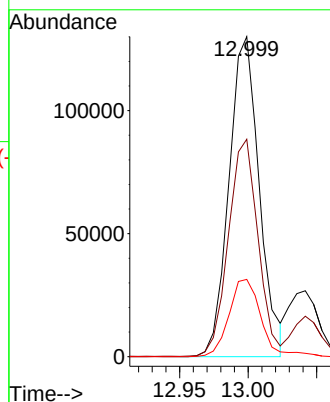
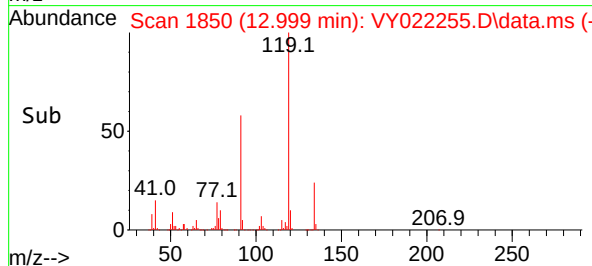
134 25.6 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#84

1,2,4-Trimethylbenzene

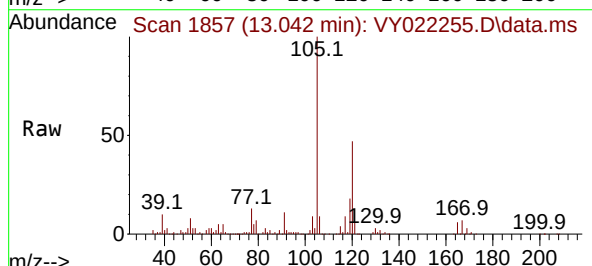
Concen: 19.315 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

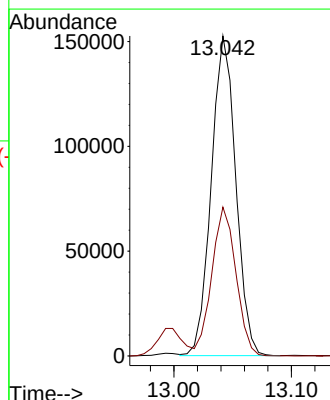
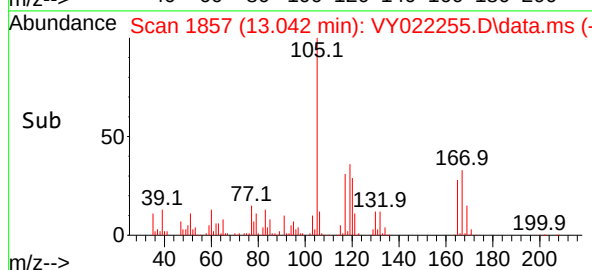


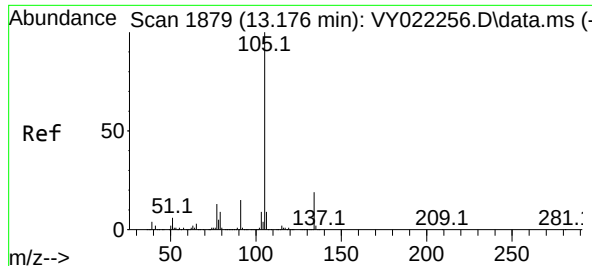
Tgt Ion:105 Resp: 221194

Ion Ratio Lower Upper

105 100

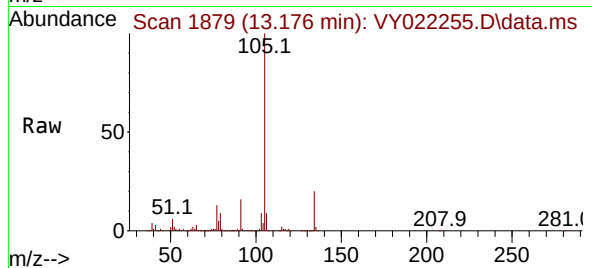
120 45.9 22.3 66.9





#85
sec-Butylbenzene
Concen: 19.576 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

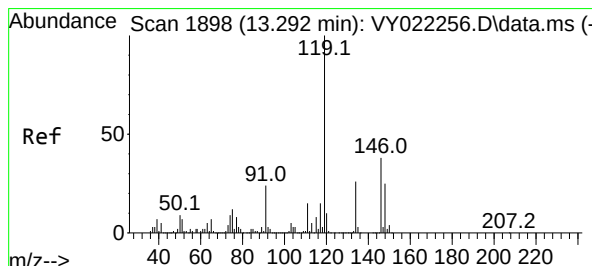
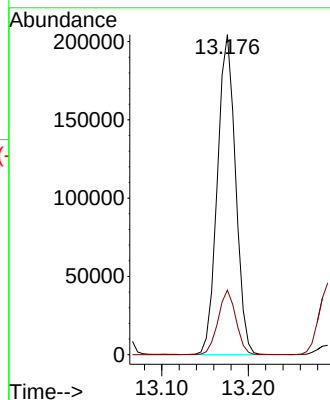
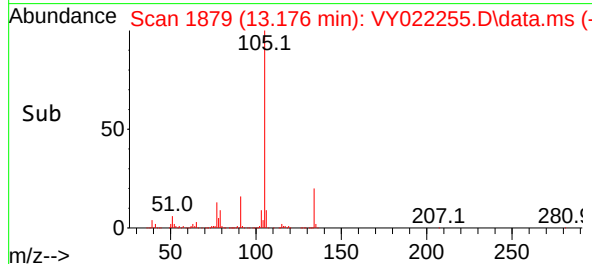
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



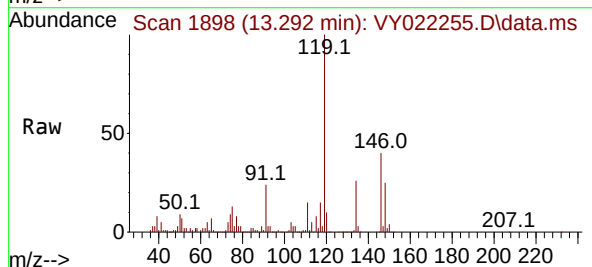
Tgt Ion:105 Resp: 297979
Ion Ratio Lower Upper
105 100
134 19.9 9.8 29.5

Manual Integrations
APPROVED

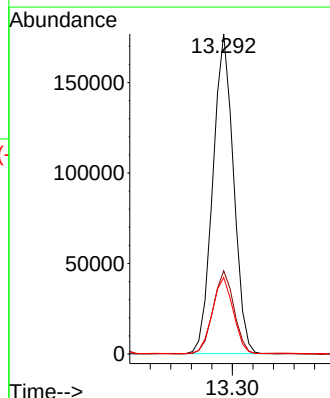
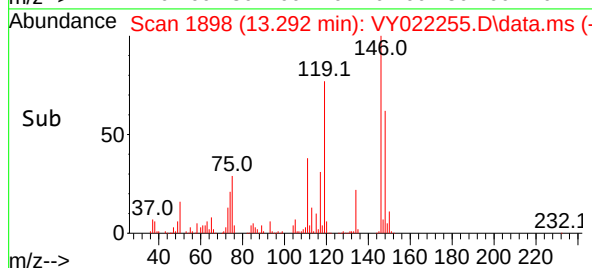
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

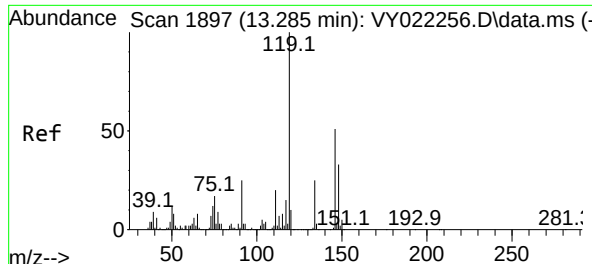


#86
p-Isopropyltoluene
Concen: 19.261 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



Tgt Ion:119 Resp: 246569
Ion Ratio Lower Upper
119 100
134 26.3 12.9 38.6
91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.991 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 118330

Ion Ratio Lower Upper

146 100

111 39.3 19.9 59.7

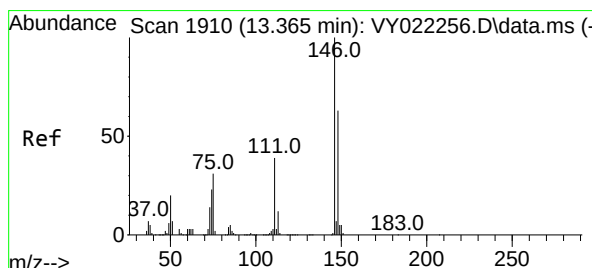
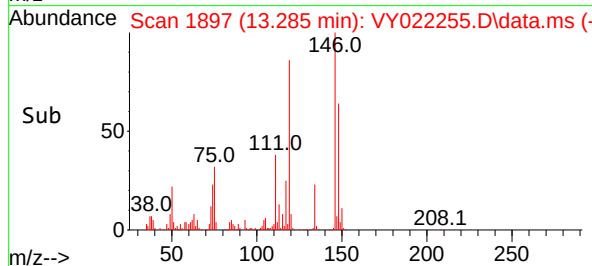
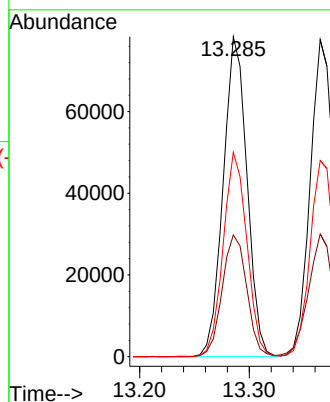
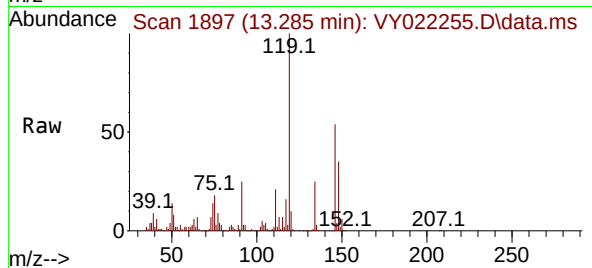
148 63.4 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 19.638 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

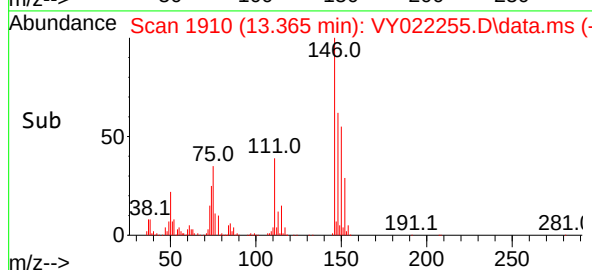
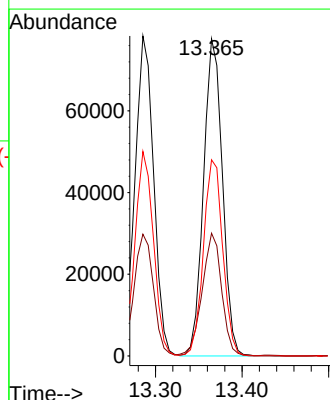
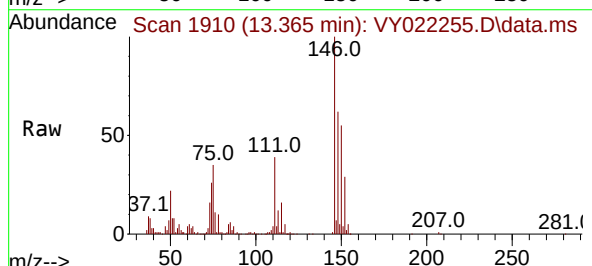
Tgt Ion:146 Resp: 117705

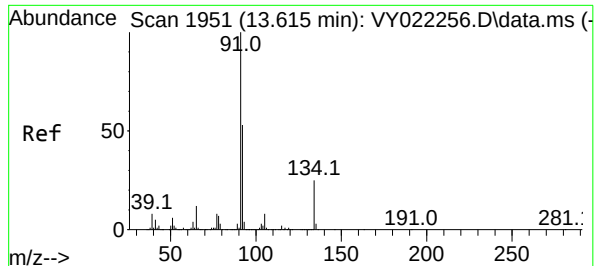
Ion Ratio Lower Upper

146 100

111 39.8 20.0 59.9

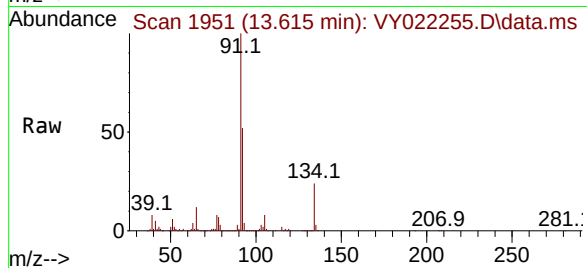
148 63.3 32.1 96.5





#89
n-Butylbenzene
Concen: 19.887 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

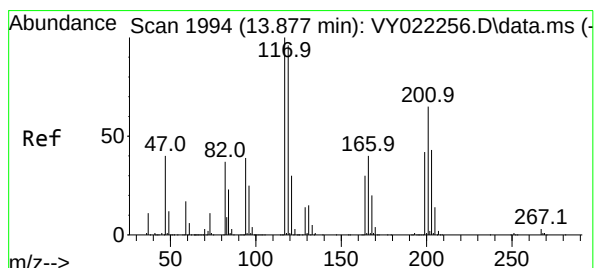
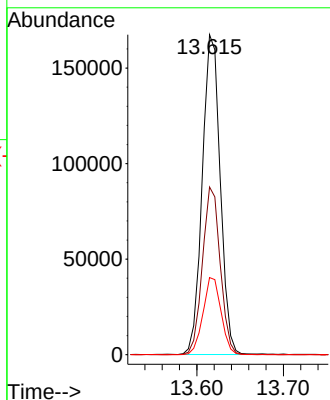
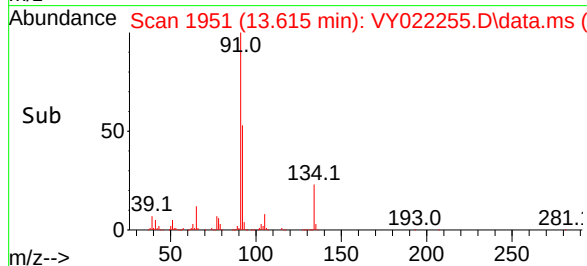
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 91 Resp: 24085
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.9
134 24.3 12.4 37.4

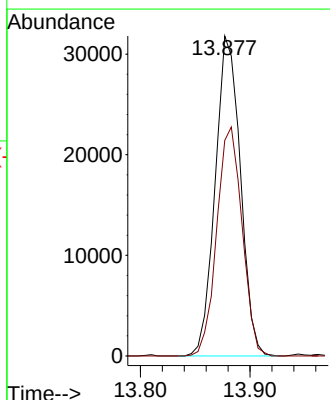
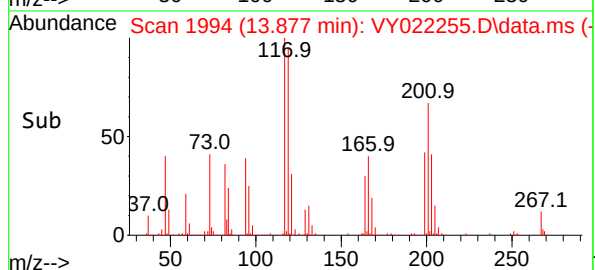
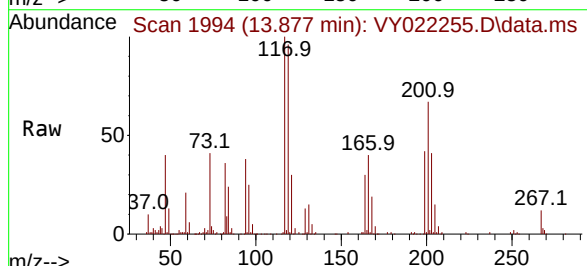
Manual Integrations
APPROVED

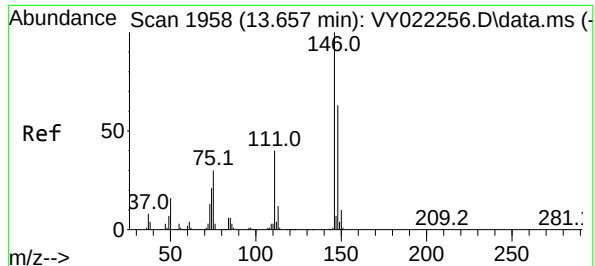
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#90
Hexachloroethane
Concen: 19.643 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

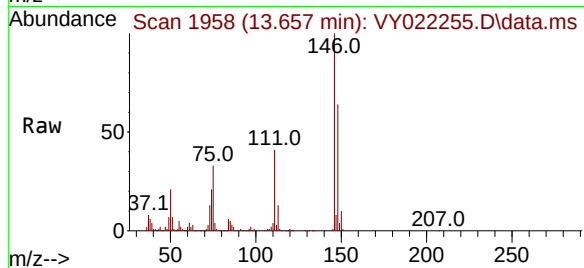
Tgt Ion:117 Resp: 50762
Ion Ratio Lower Upper
117 100
201 72.0 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 19.502 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

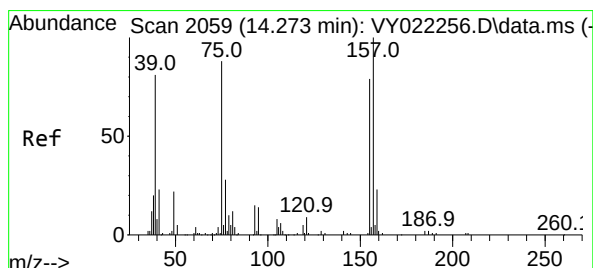
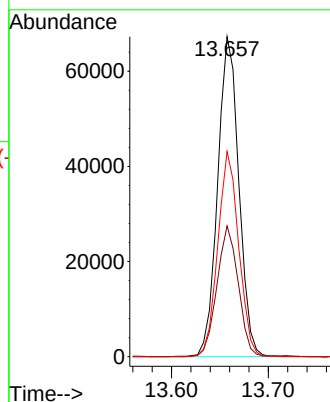
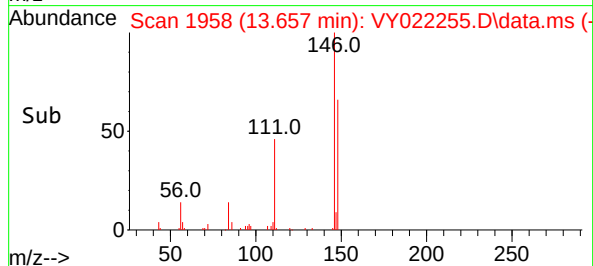
Instrument : MSVOA_Y
ClientSampleId : VSTDICC020



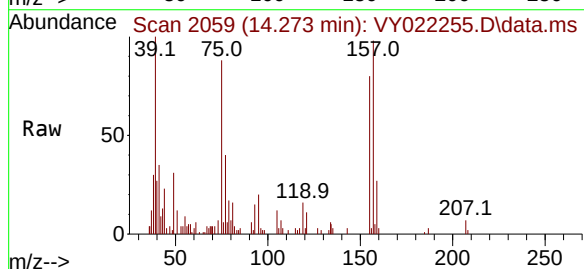
Tgt Ion:146 Resp: 10207
Ion Ratio Lower Upper
146 100
111 41.4 20.5 61.5
148 63.2 32.0 96.0

Manual Integrations
APPROVED

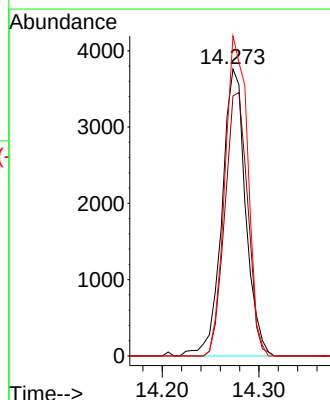
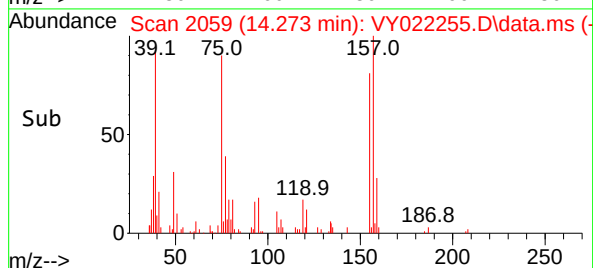
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

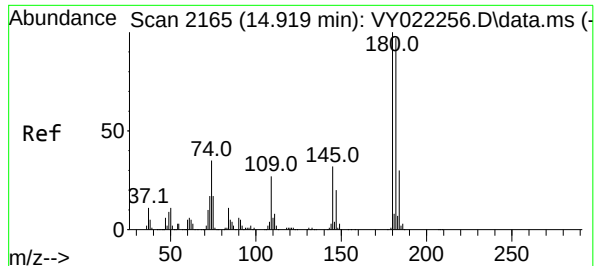


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



Tgt Ion: 75 Resp: 6387
Ion Ratio Lower Upper
75 100
155 88.5 43.4 130.1
157 107.4 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.346 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

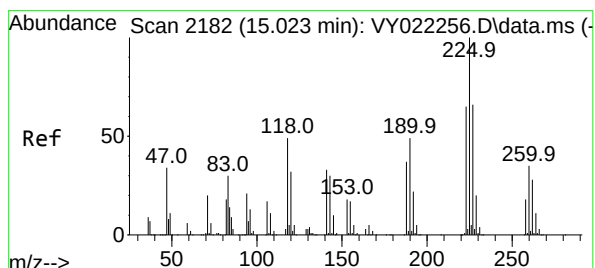
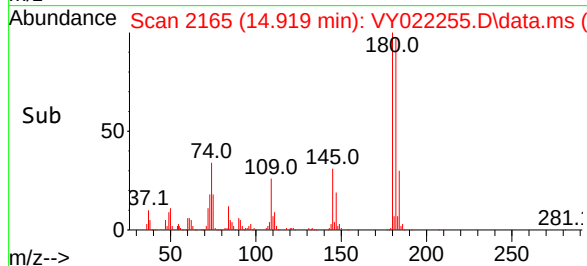
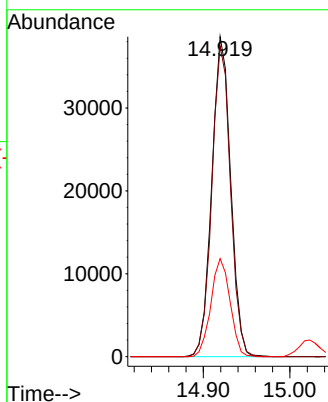
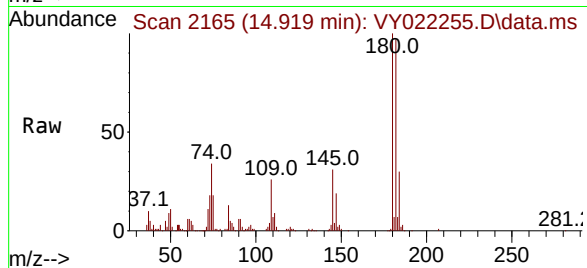
VSTDIC020

Tgt Ion:	180	Resp:	58490
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	31.1	15.0	45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

Concen: 20.301 ug/l

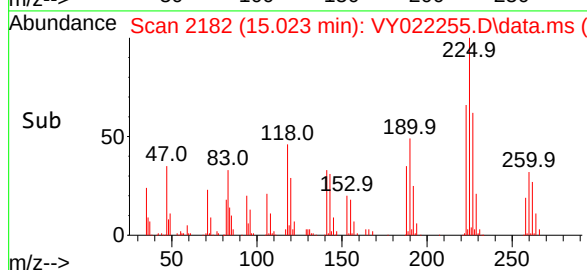
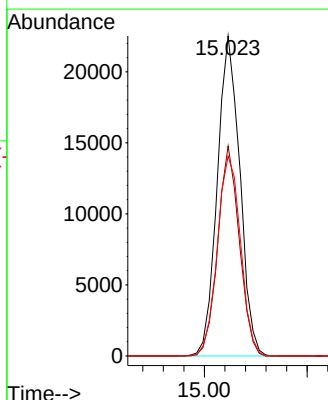
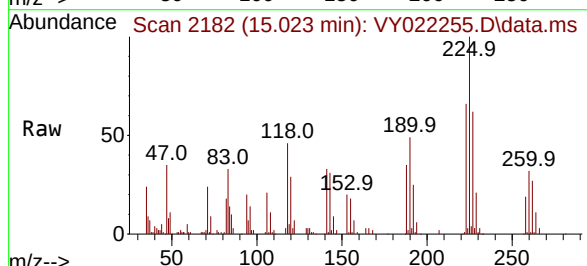
RT: 15.023 min Scan# 2182

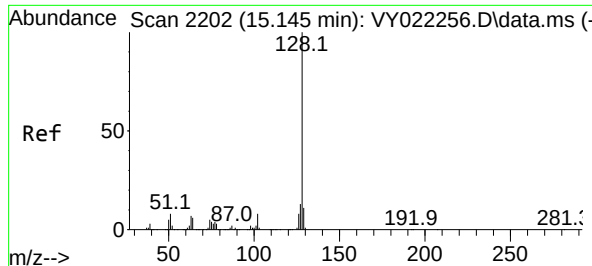
Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Tgt Ion:	225	Resp:	34228
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.5	94.5
227	64.3	32.1	96.3





#95

Naphthalene

Concen: 18.362 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:128 Resp: 105350

Ion Ratio Lower Upper

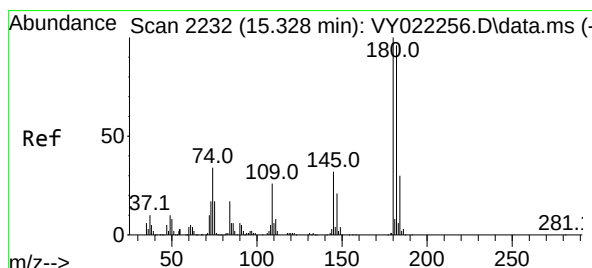
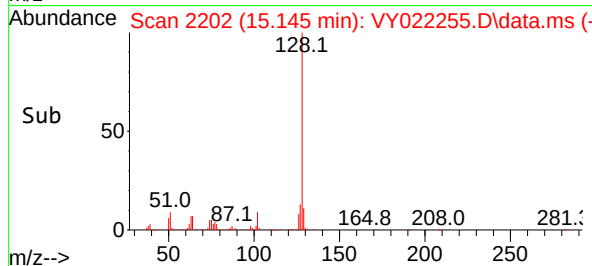
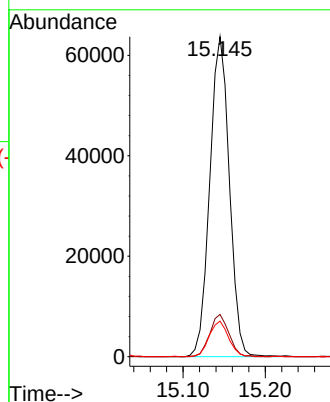
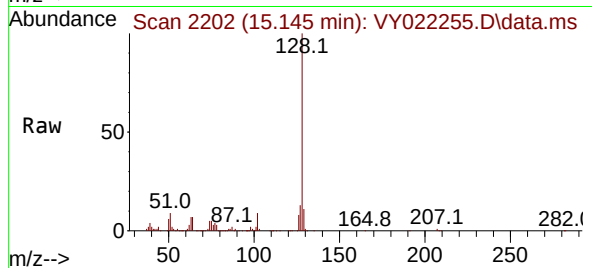
128 100

127 13.0 10.2 15.2

129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#96

1,2,3-Trichlorobenzene

Concen: 18.888 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022255.D

Acq: 15 May 2025 10:39

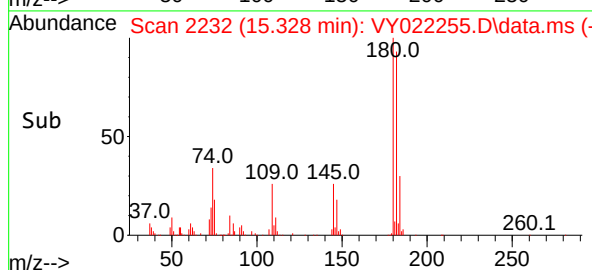
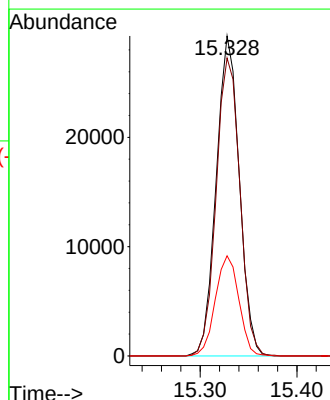
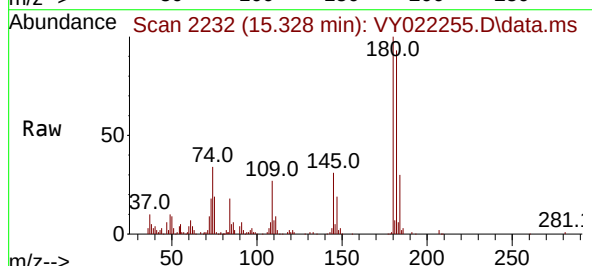
Tgt Ion:180 Resp: 48444

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.3

145 31.9 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022256.D
 Acq On : 15 May 2025 11:02
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.960%		
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.980%		
50) Toluene-d8	10.103	98	540296	50.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l	100
3) Chloromethane	2.062	50	278892	47.481	ug/l	100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l	100
5) Bromomethane	2.592	94	234736	43.941	ug/l	100
6) Chloroethane	2.732	64	202370	49.569	ug/l	100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l	100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l	100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l	100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l	100
13) Acrolein	3.653	56	75423	231.010	ug/l	100
14) Allyl chloride	4.379	41	256499	51.106	ug/l	100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l	100
16) Acetone	3.873	43	124421	226.888	ug/l	100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l	100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l	100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l	100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l	100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l	100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l	100
25) 2-Butanone	6.896	43	215828	235.291	ug/l	100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l	100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l	100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l	100
30) Chloroform	7.421	83	288708	50.831	ug/l	100
31) Cyclohexane	7.701	56	282375	47.728	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l	100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l	100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l	100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l	100
40) Benzene	8.079	78	658644	51.442	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022256.D
 Acq On : 15 May 2025 11:02
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	69476m	45.691	ug/l	
42) 1,2-Dichloroethane	8.158	62	176425	50.954	ug/l	100
43) Isopropyl Acetate	8.195	43	225628	49.785	ug/l	100
44) Trichloroethene	8.866	130	162802	51.138	ug/l	100
45) 1,2-Dichloropropane	9.140	63	156870	50.819	ug/l	100
46) Dibromomethane	9.231	93	82994	49.849	ug/l	100
47) Bromodichloromethane	9.420	83	222159	51.435	ug/l	100
48) Methyl methacrylate	9.219	41	105390	49.726	ug/l	100
49) 1,4-Dioxane	9.231	88	18027	958.446	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	556123	250.085	ug/l	100
52) Toluene	10.170	92	414584	51.134	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	213993	50.768	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	246990	51.143	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	106676	50.036	ug/l	100
56) Ethyl methacrylate	10.438	69	167259	50.364	ug/l	100
57) 1,3-Dichloropropane	10.719	76	192275	50.759	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	403074	270.408	ug/l	100
59) 2-Hexanone	10.762	43	365111	244.881	ug/l	100
60) Dibromochloromethane	10.908	129	141896	51.278	ug/l	100
61) 1,2-Dibromoethane	11.012	107	99822	50.236	ug/l	100
64) Tetrachloroethene	10.646	164	178854	51.249	ug/l	100
65) Chlorobenzene	11.438	112	435874	51.169	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811	ug/l	100
67) Ethyl Benzene	11.518	91	821168	51.473	ug/l	100
68) m/p-Xylenes	11.627	106	617646	102.746	ug/l	100
69) o-Xylene	11.950	106	289897	50.971	ug/l	100
70) Styrene	11.969	104	491792	51.260	ug/l	100
71) Bromoform	12.133	173	78794	49.849	ug/l #	100
73) Isopropylbenzene	12.255	105	756905	50.657	ug/l	100
74) N-amyl acetate	12.066	43	209097	48.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	90281m	28.402	ug/l	
77) Bromobenzene	12.530	156	161475	50.599	ug/l	100
78) n-propylbenzene	12.597	91	924664	51.306	ug/l	100
79) 2-Chlorotoluene	12.676	91	505684	51.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	615033	50.991	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331	ug/l	100
82) 4-Chlorotoluene	12.773	91	524270	51.464	ug/l	100
83) tert-Butylbenzene	12.999	119	546231	50.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	615550	51.410	ug/l	100
85) sec-Butylbenzene	13.176	105	824725	51.825	ug/l	100
86) p-Isopropyltoluene	13.292	119	688561	51.446	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	331536	50.890	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	315598	50.363	ug/l	100
89) n-Butylbenzene	13.615	91	661532	52.245	ug/l	100
90) Hexachloroethane	13.877	117	137225	50.791	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	276666	50.558	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	162275	51.338	ug/l	100
94) Hexachlorobutadiene	15.023	225	90452	51.313	ug/l	100
95) Naphthalene	15.145	128	298075	49.692	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	135673	50.596	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

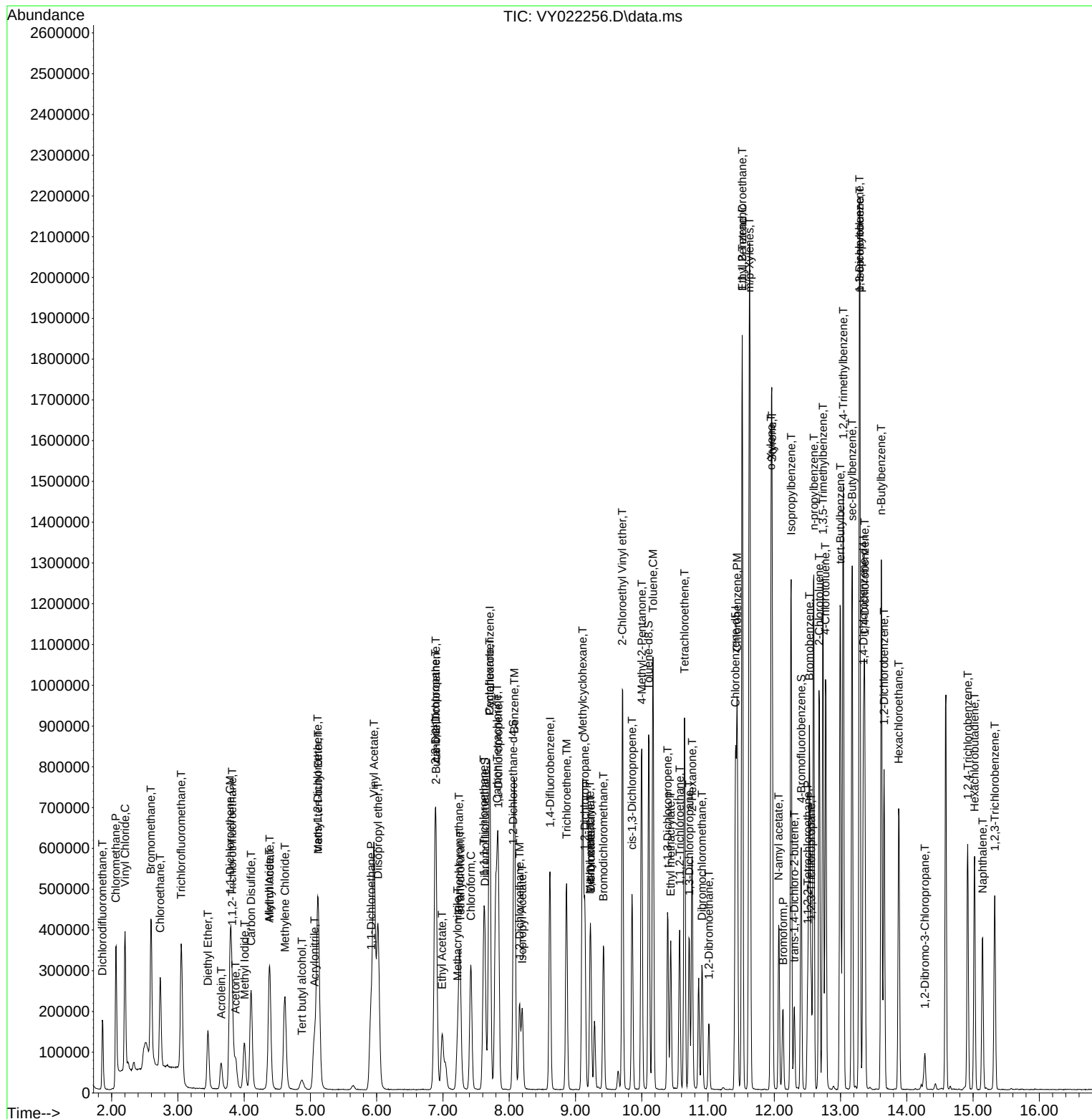
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 Acq On : 15 May 2025 11:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

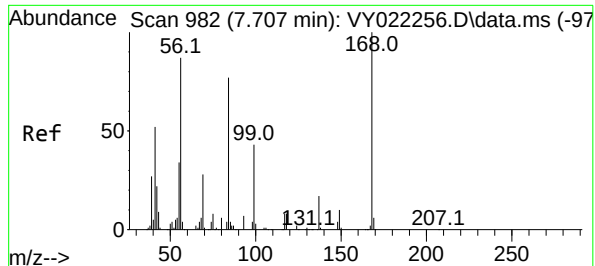
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: May 16 01:23:10 2025
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 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

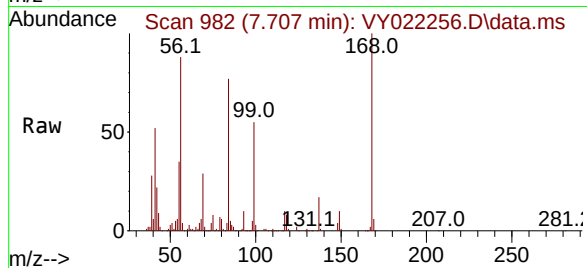
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

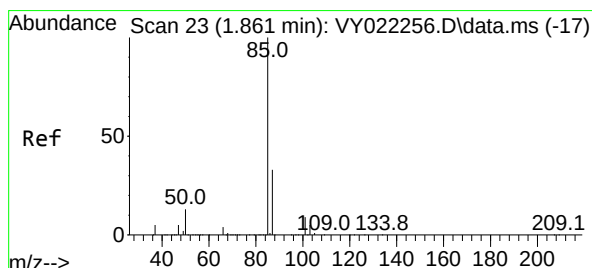
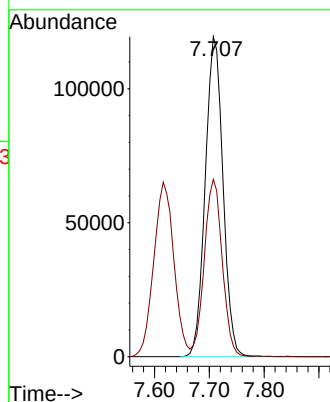
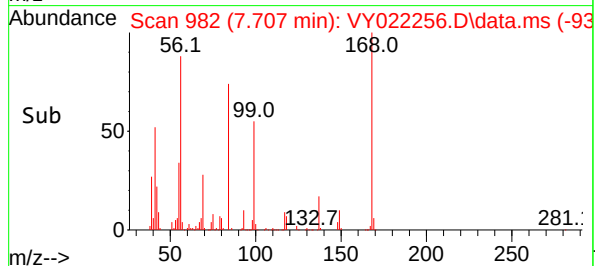
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 267598
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4

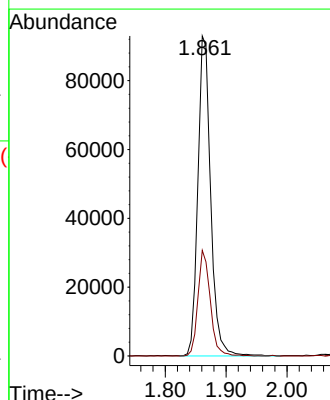
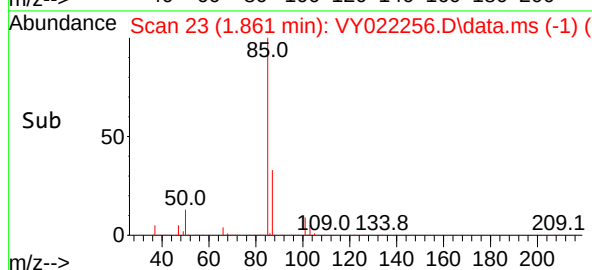
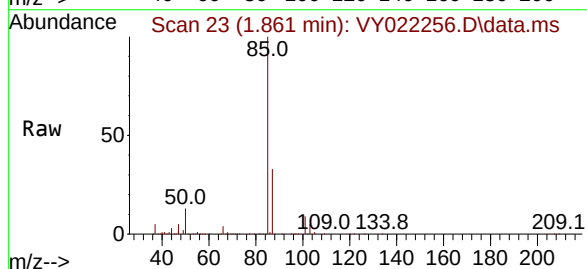
Manual Integrations
APPROVED

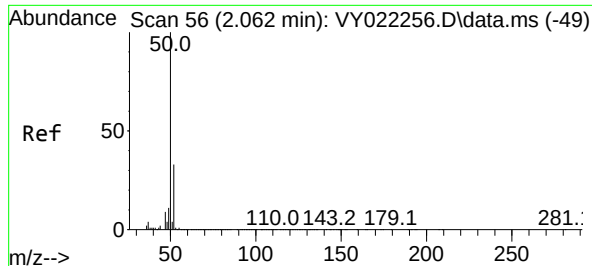
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 48.608 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

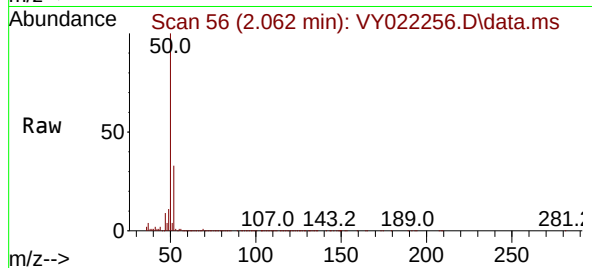
Tgt Ion: 85 Resp: 135726
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





#3
Chloromethane
Concen: 47.481 ug/l
RT: 2.062 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

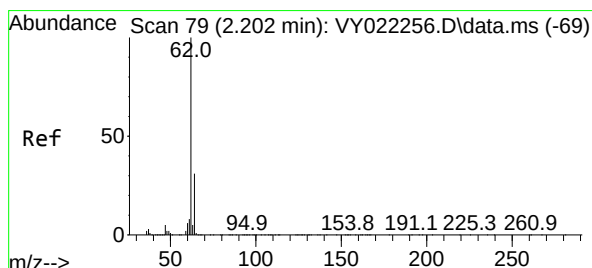
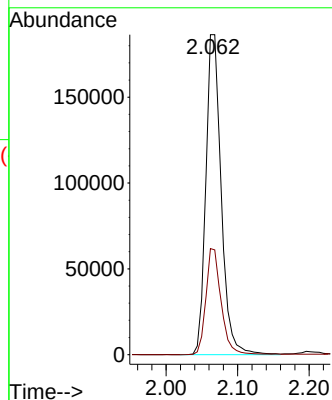
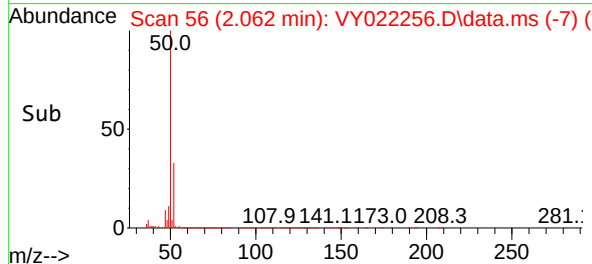
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 50 Resp: 278892
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

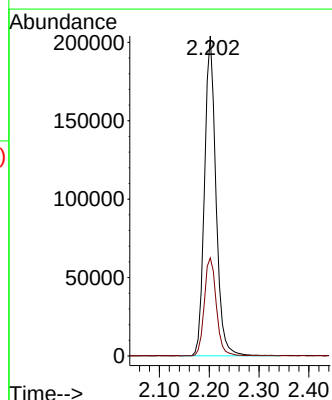
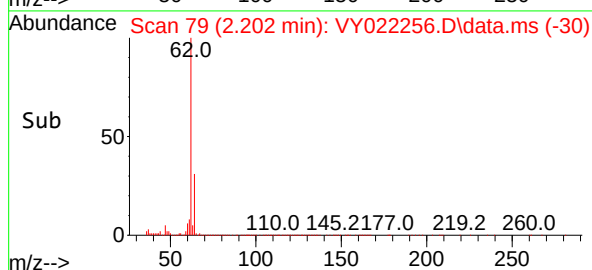
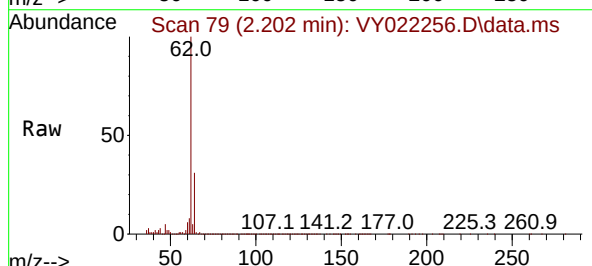
Manual Integrations
APPROVED

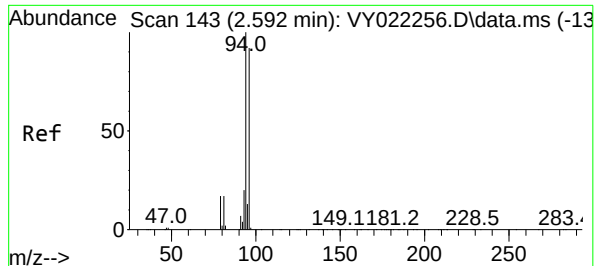
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

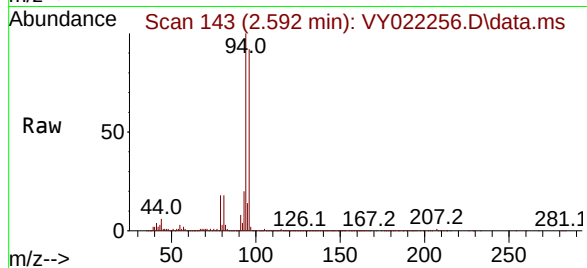
Tgt Ion: 62 Resp: 323792
Ion Ratio Lower Upper
62 100
64 30.6 24.5 36.7





#5
Bromomethane
Concen: 43.941 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

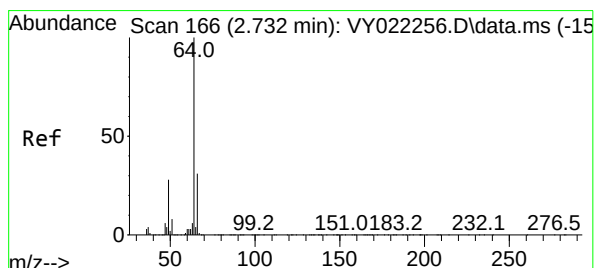
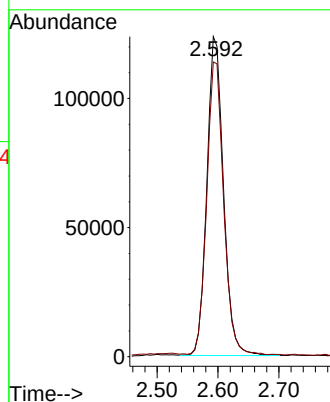
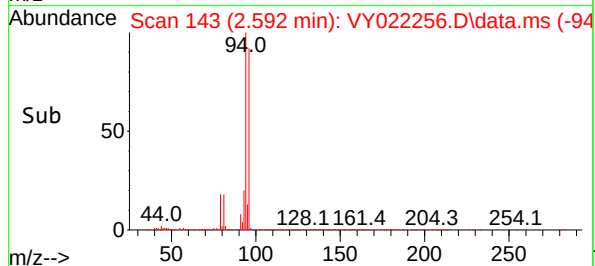
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 234730
Ion Ratio Lower Upper
94 100
96 91.7 73.4 110.0

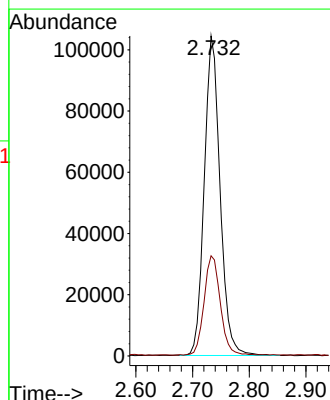
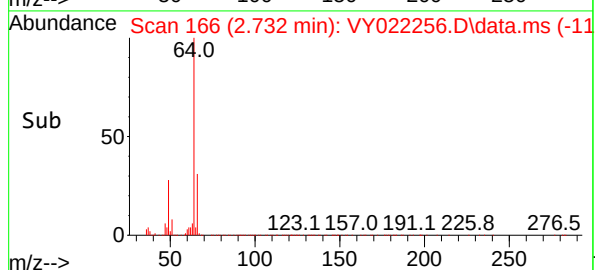
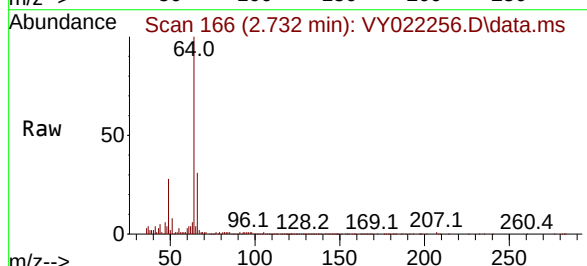
Manual Integrations
APPROVED

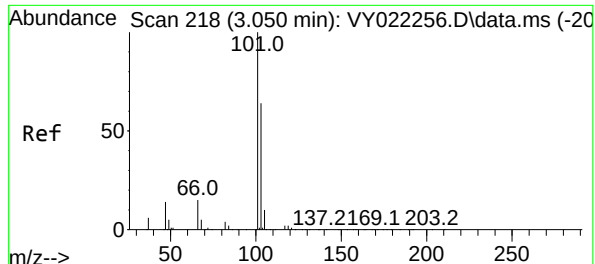
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

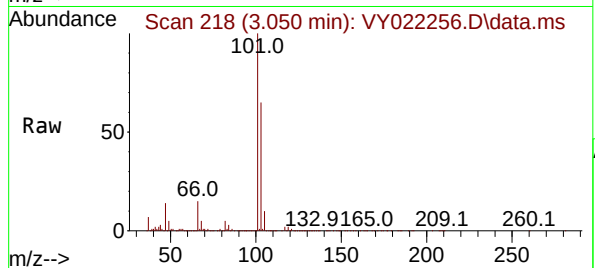
Tgt Ion: 64 Resp: 202370
Ion Ratio Lower Upper
64 100
66 31.0 24.8 37.2





#7
Trichlorofluoromethane
Concen: 48.898 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

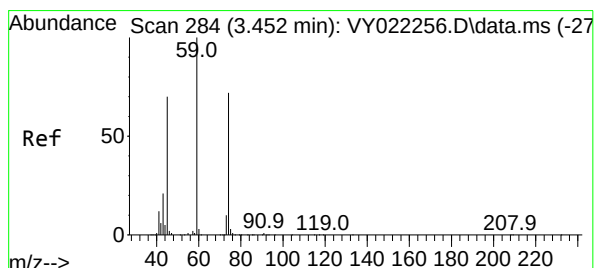
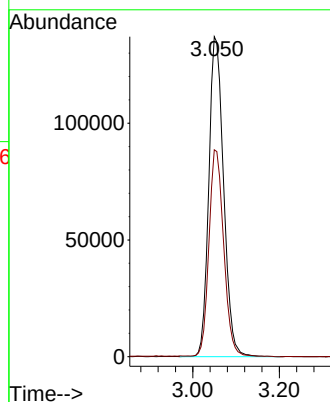
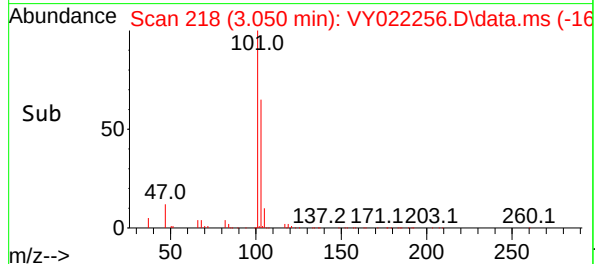
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 32488
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

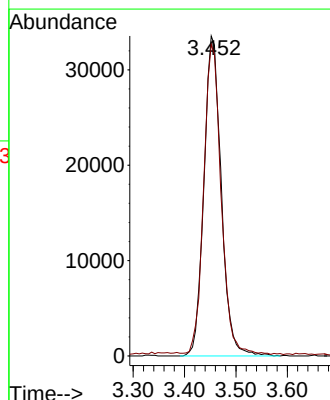
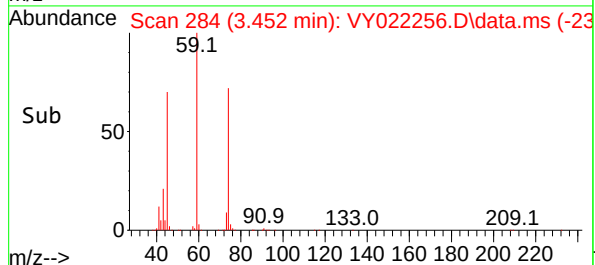
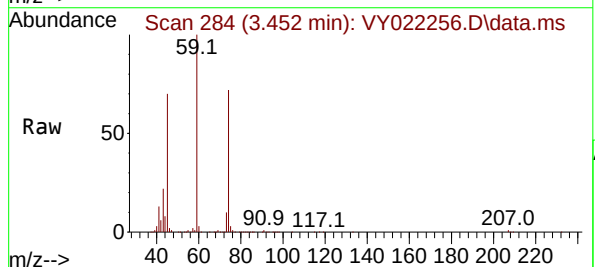
Manual Integrations
APPROVED

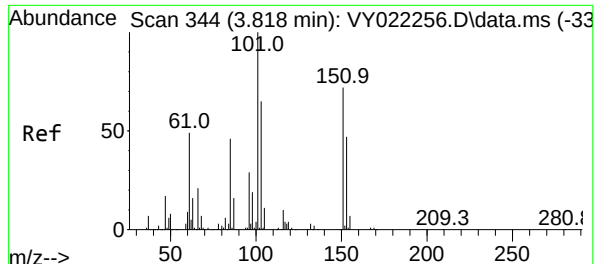
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 49.338 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 74 Resp: 78670
Ion Ratio Lower Upper
74 100
45 97.2 48.6 145.8





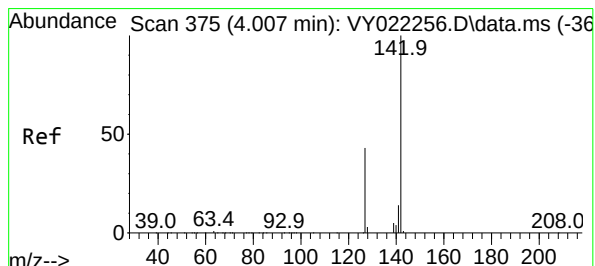
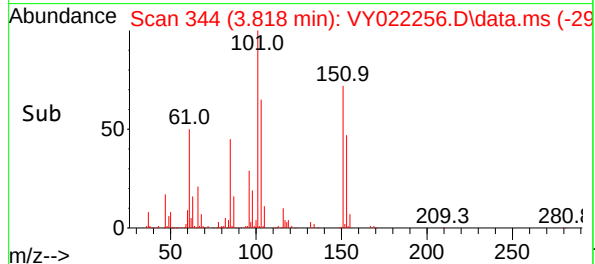
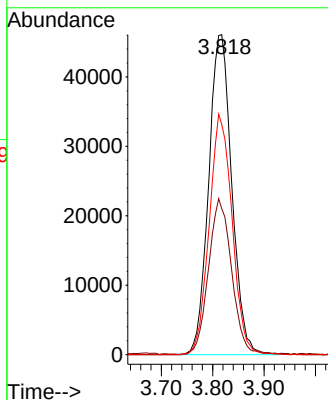
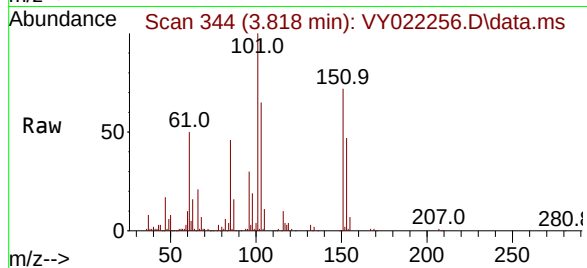
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.930 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 144018
Ion Ratio Lower Upper
101 100
85 48.3 38.6 58.0
151 74.6 59.7 89.5

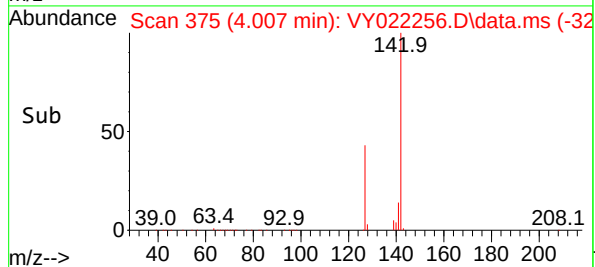
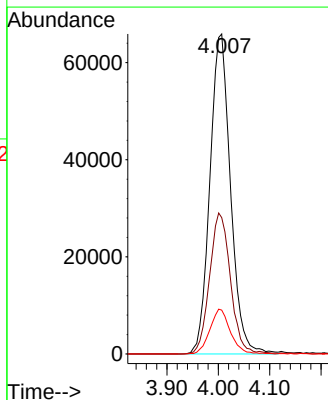
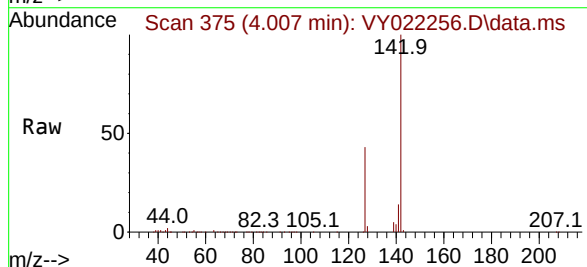
Manual Integrations
APPROVED

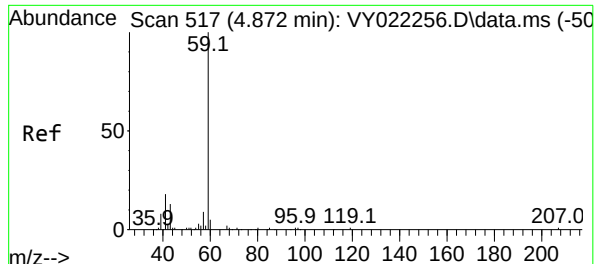
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 55.091 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:142 Resp: 183918
Ion Ratio Lower Upper
142 100
127 44.6 35.7 53.5
141 13.9 11.1 16.7





#11

Tert butyl alcohol

Concen: 231.036 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 51598

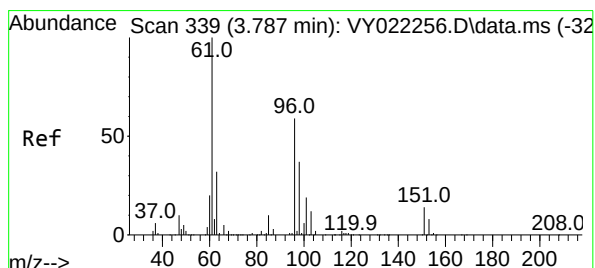
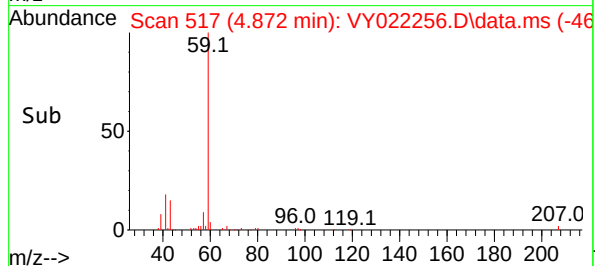
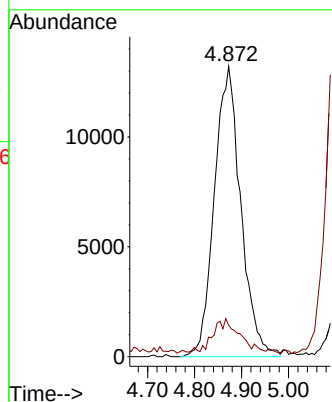
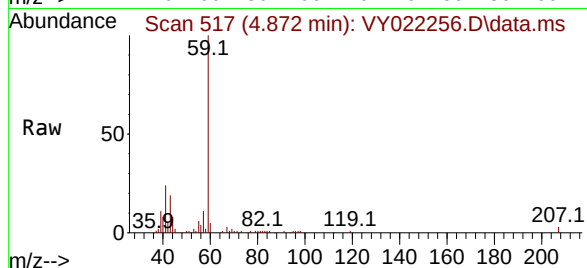
Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 50.344 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

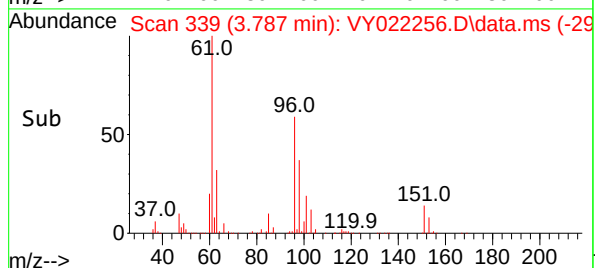
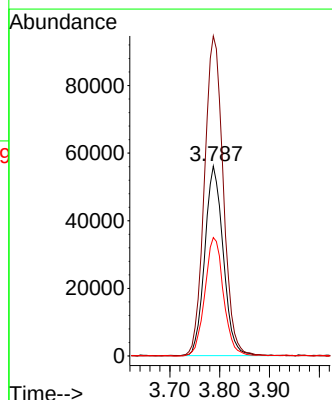
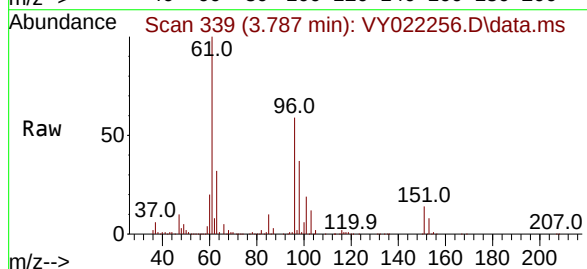
Tgt Ion: 96 Resp: 144103

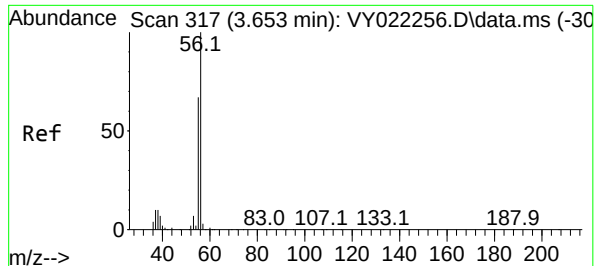
Ion Ratio Lower Upper

96 100

61 168.6 134.9 202.3

98 62.4 49.9 74.9





#13

Acrolein

Concen: 231.010 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 7542

Ion Ratio Lower Upper

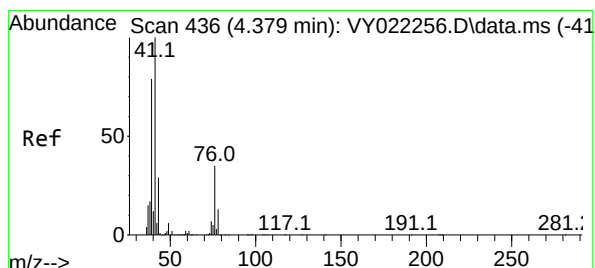
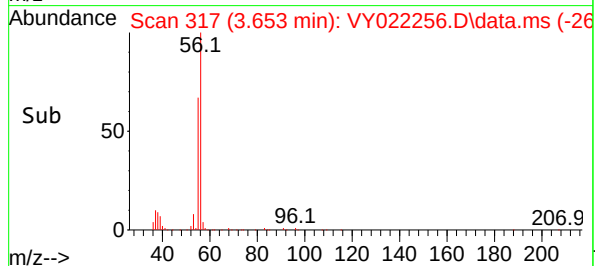
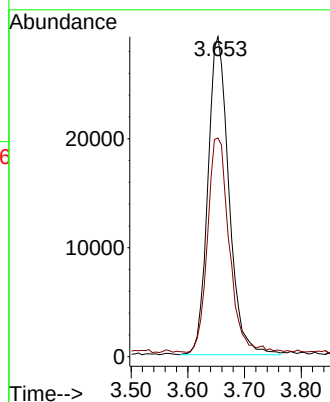
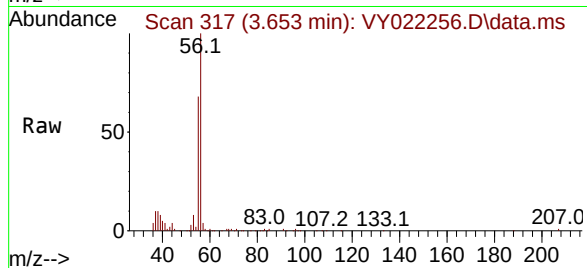
56 100

55 69.5 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 51.106 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

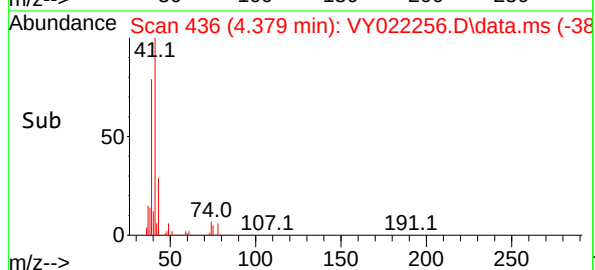
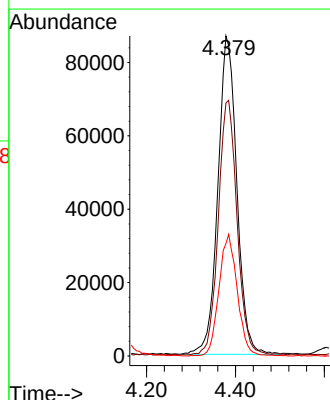
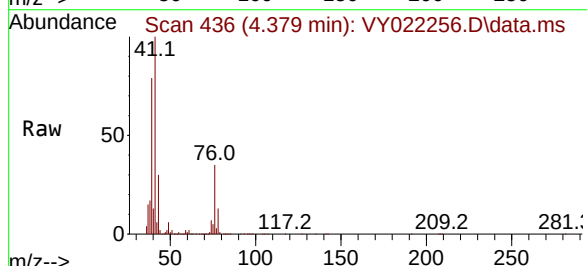
Tgt Ion: 41 Resp: 256499

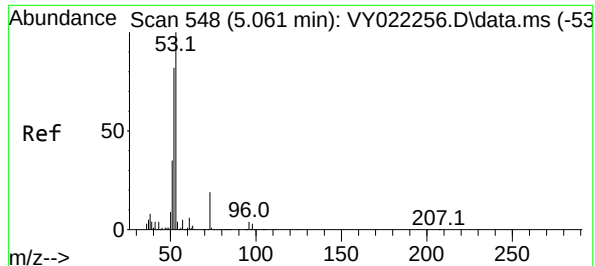
Ion Ratio Lower Upper

41 100

39 79.2 63.4 95.0

76 36.9 29.5 44.3





#15

Acrylonitrile

Concen: 244.283 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 160490

Ion Ratio Lower Upper

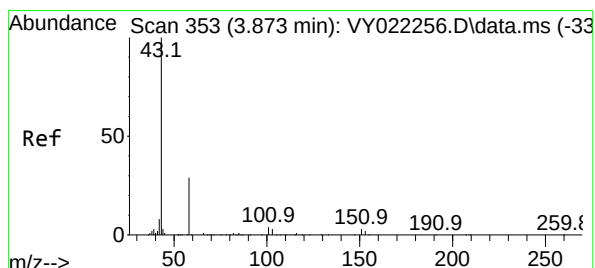
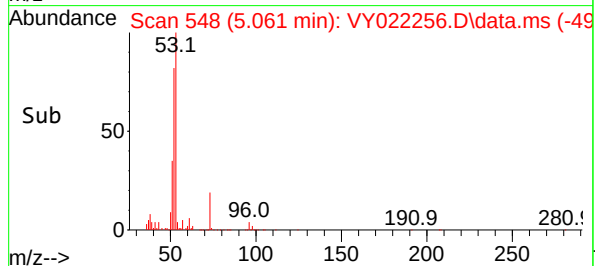
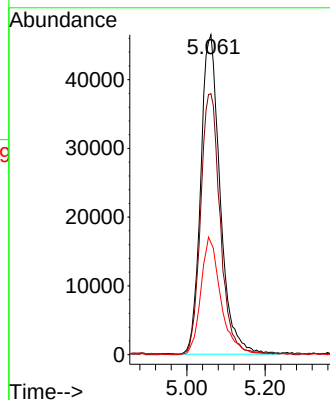
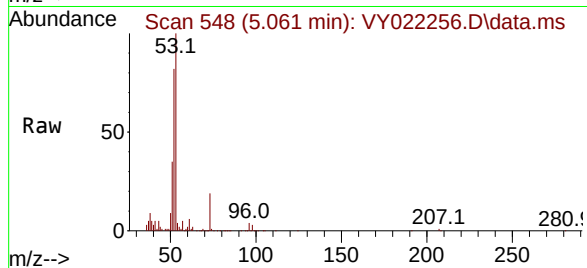
53 100

52 82.6 66.1 99.1

51 37.5 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#16

Acetone

Concen: 226.888 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY022256.D

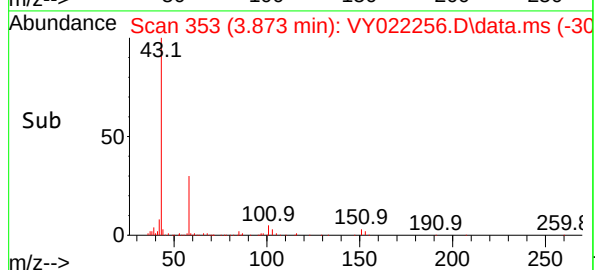
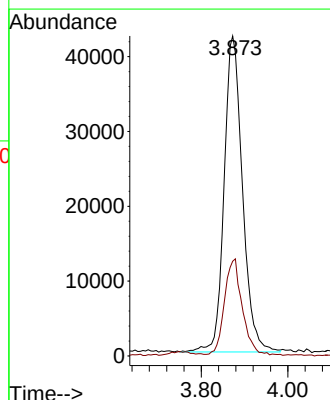
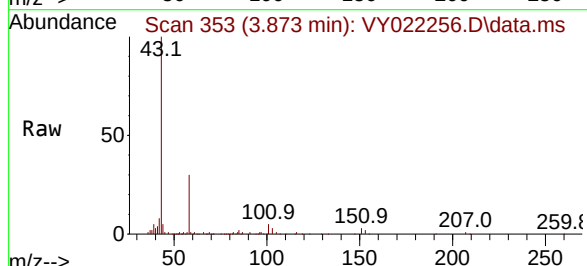
Acq: 15 May 2025 11:02

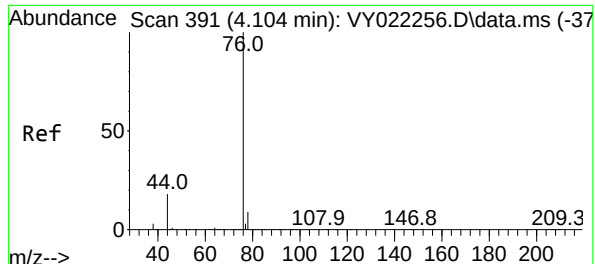
Tgt Ion: 43 Resp: 124421

Ion Ratio Lower Upper

43 100

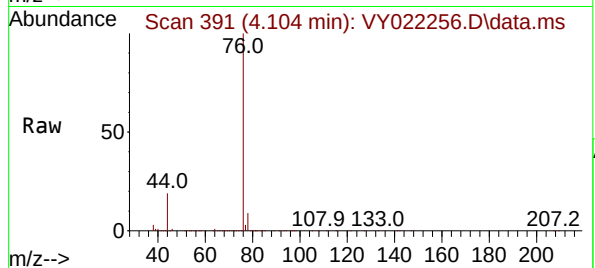
58 29.5 23.6 35.4





#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

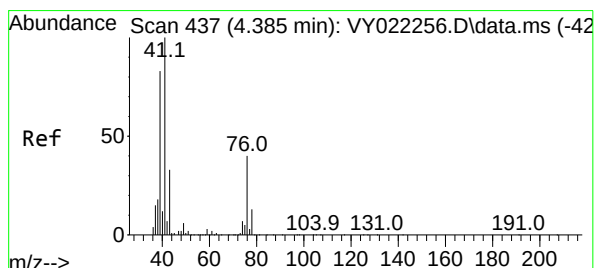
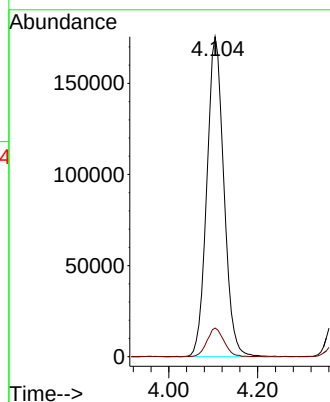
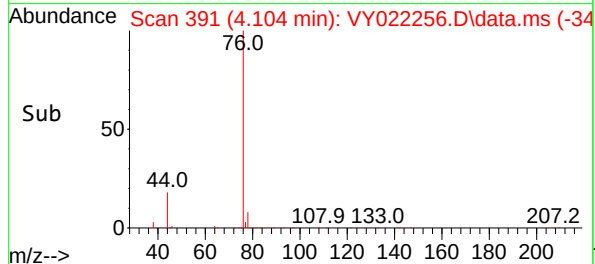
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 468979
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

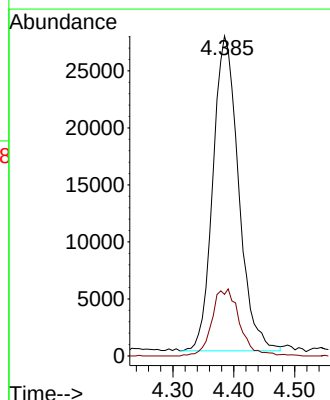
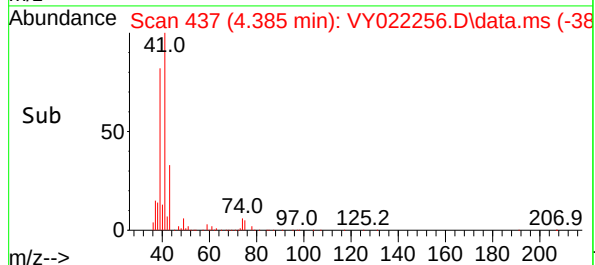
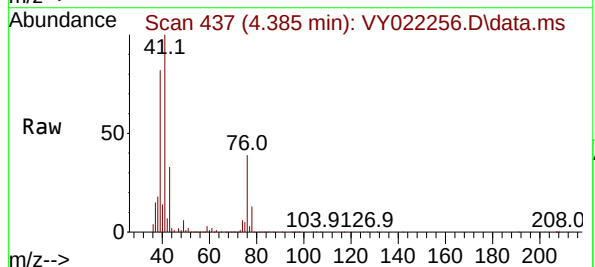
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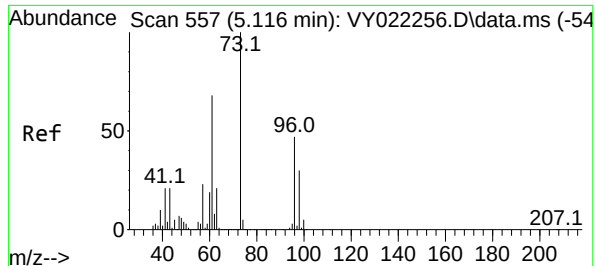
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 80820
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 49.466 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 39041

Ion Ratio Lower Upper

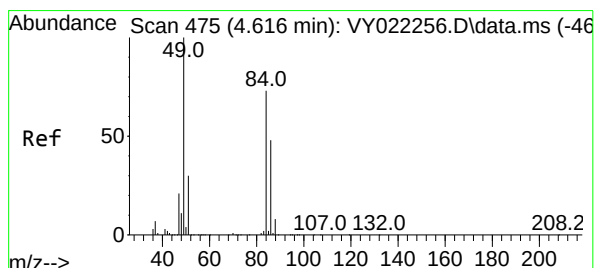
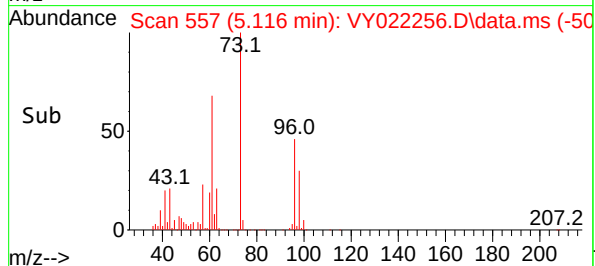
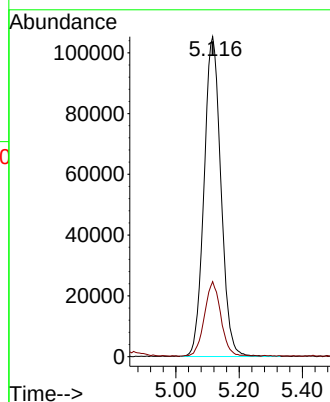
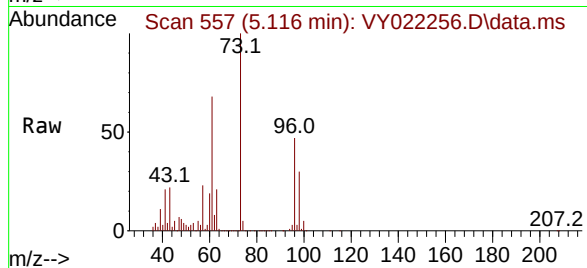
73 100

57 23.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#20

Methylene Chloride

Concen: 45.087 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Tgt Ion: 84 Resp: 159764

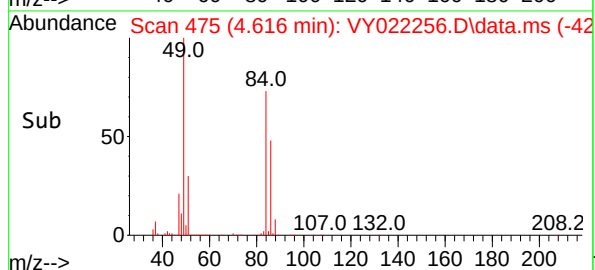
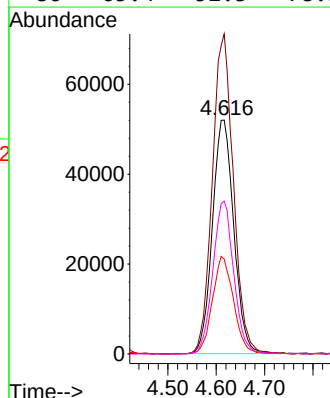
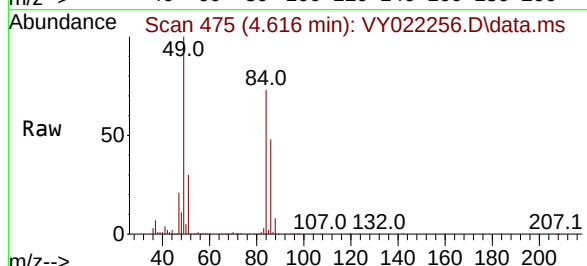
Ion Ratio Lower Upper

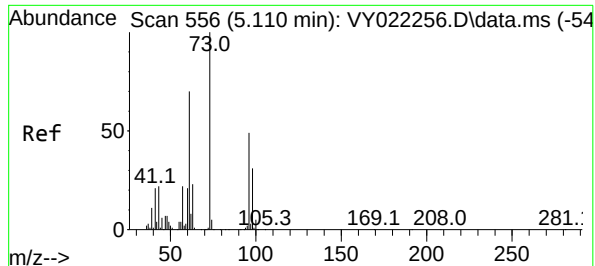
84 100

49 137.0 109.6 164.4

51 40.5 32.4 48.6

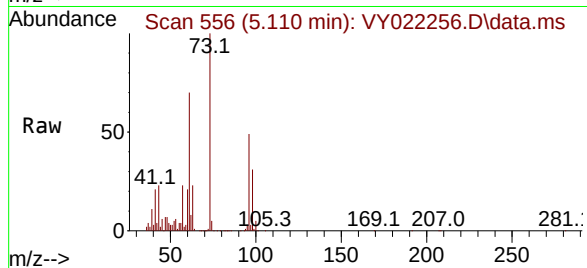
86 65.4 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

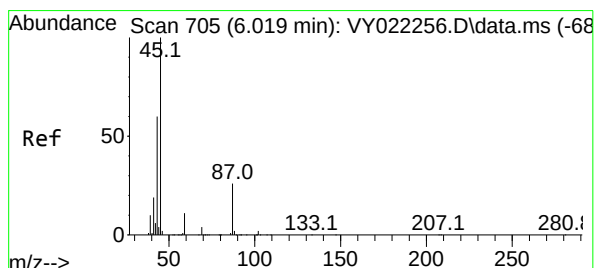
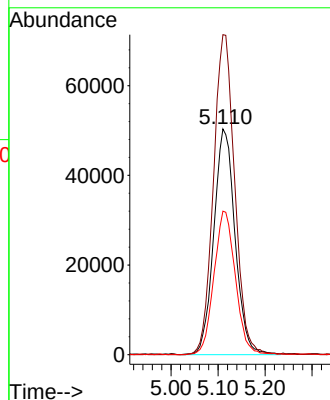
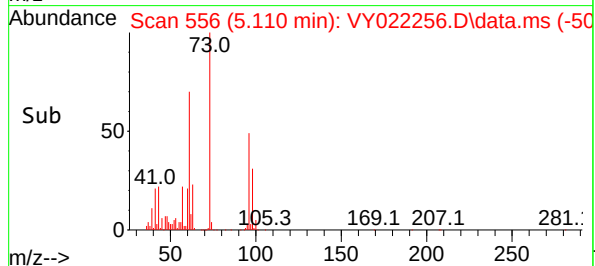
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 158544
Ion Ratio Lower Upper
96 100
61 141.7 113.4 170.0
98 63.6 50.9 76.3

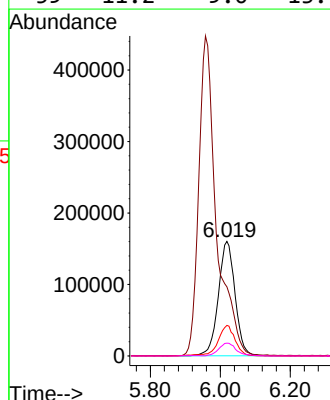
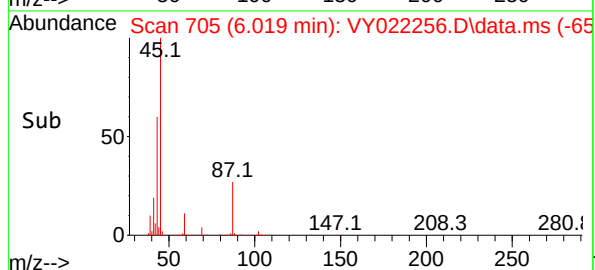
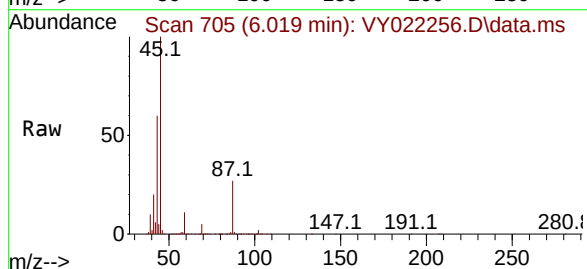
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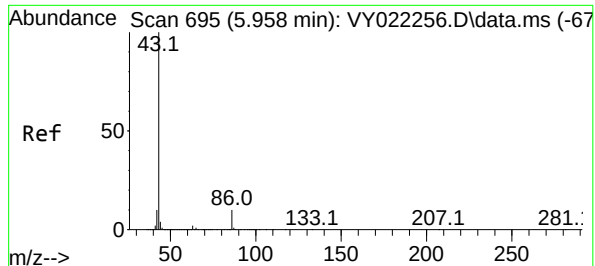
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 50.152 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 45 Resp: 531560
Ion Ratio Lower Upper
45 100
43 60.2 48.2 72.2
87 26.7 21.4 32.0
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 245.223 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1570214

Ion Ratio Lower Upper

43 100

86 9.8

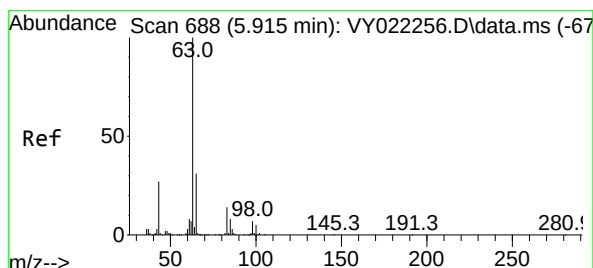
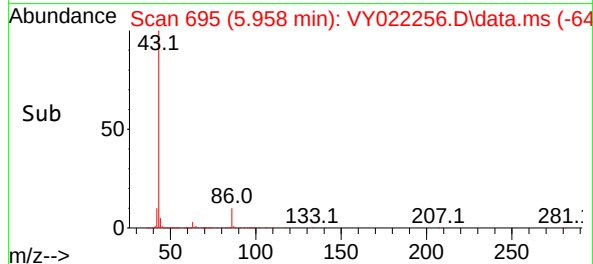
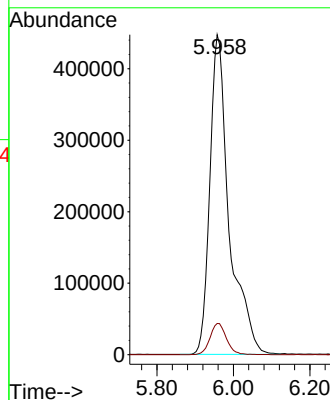
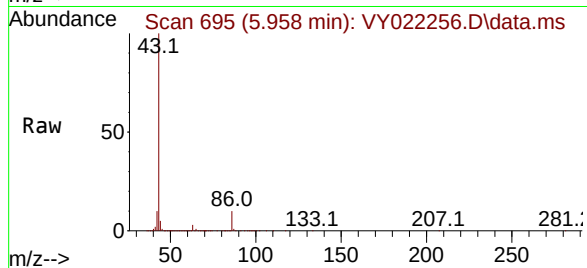
7.8

11.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 50.465 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 298823

Ion Ratio Lower Upper

63 100

98 7.0

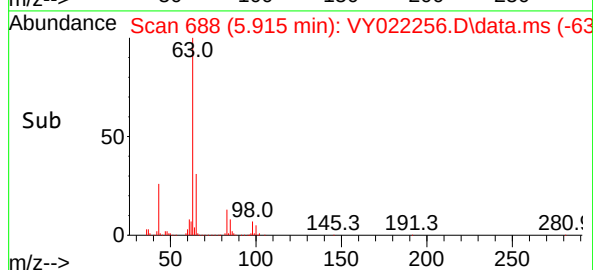
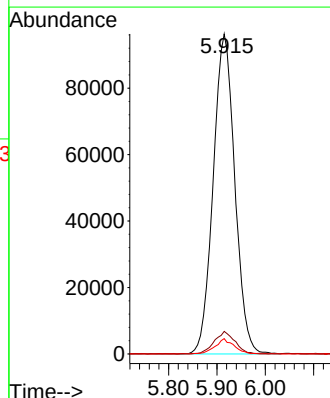
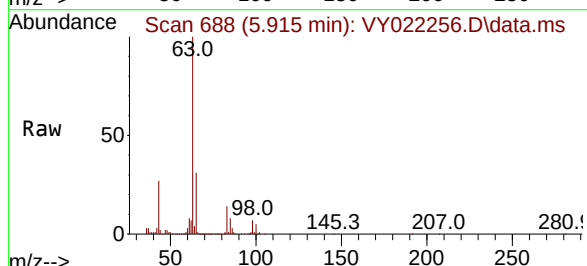
3.5

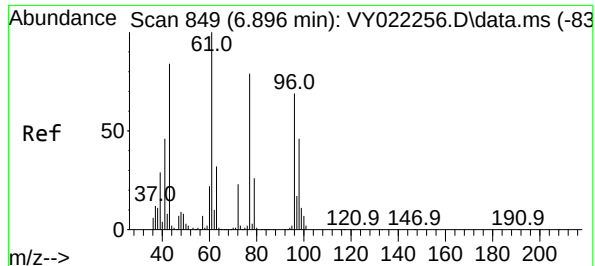
10.5

100 4.8

2.4

7.2





#25

2-Butanone

Concen: 235.291 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 215828

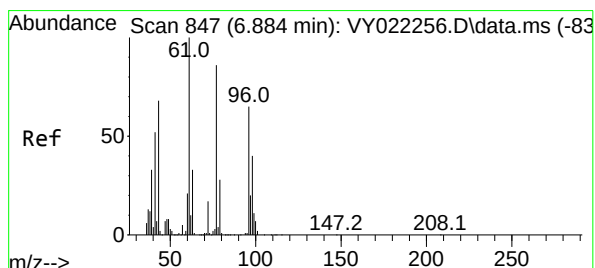
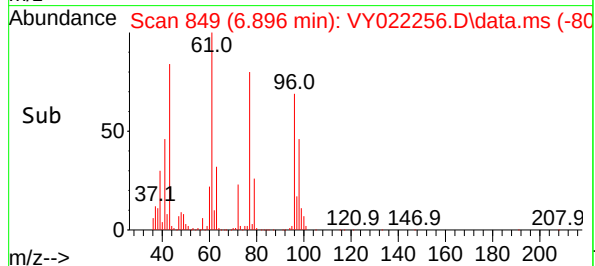
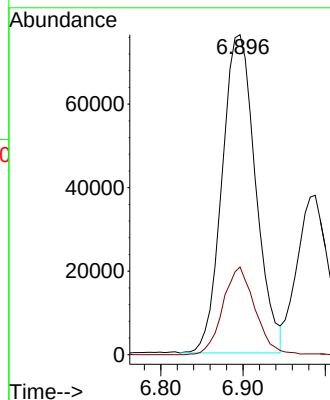
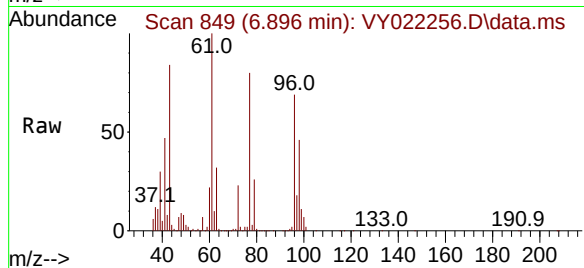
Ion Ratio Lower Upper

43 100

72 27.6 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 50.153 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022256.D

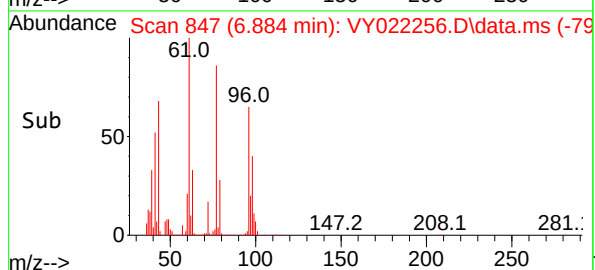
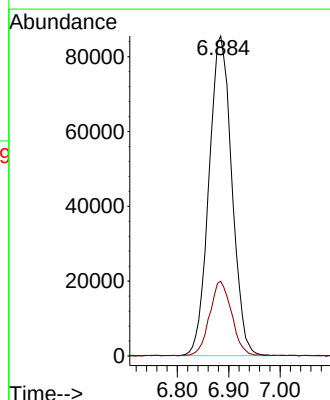
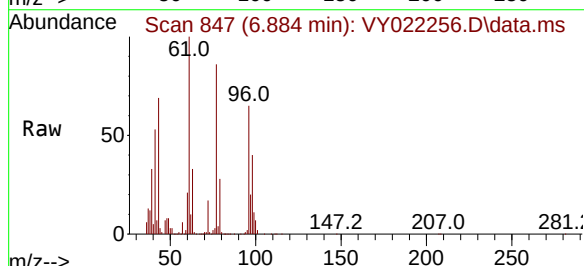
Acq: 15 May 2025 11:02

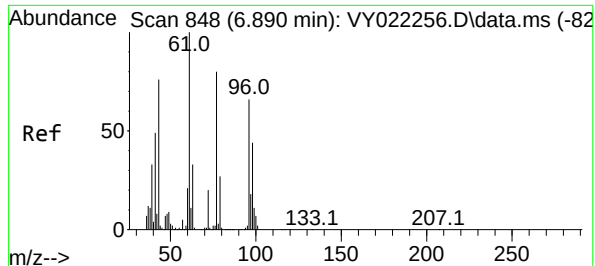
Tgt Ion: 77 Resp: 264141

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.698 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 18484

Ion Ratio Lower Upper

96 100

61 151.3 0.0 302.6

98 64.4 0.0 128.8

Instrument :

MSVOA_Y

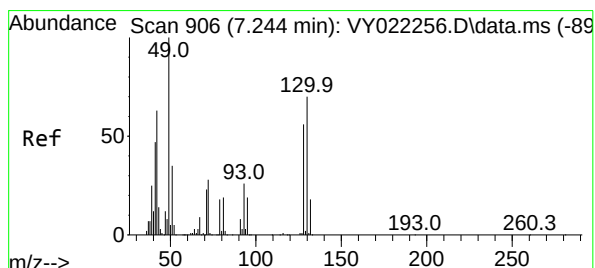
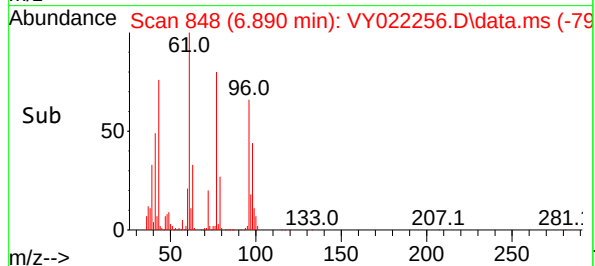
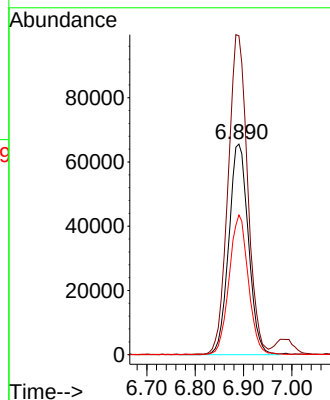
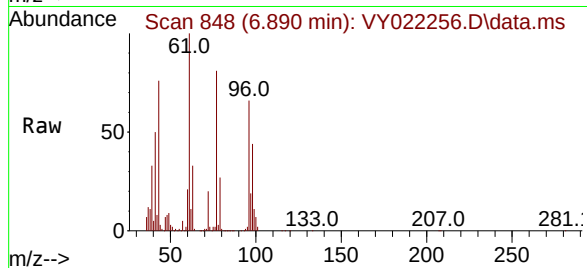
ClientSampleId :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#28

Bromochloromethane

Concen: 50.100 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

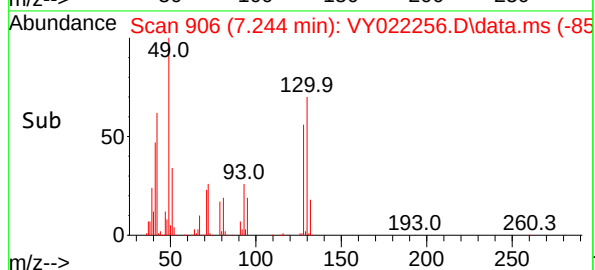
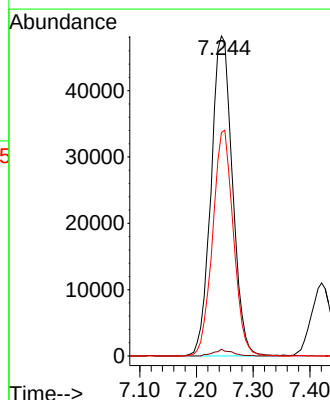
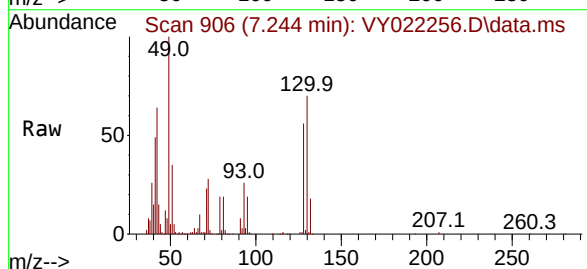
Tgt Ion: 49 Resp: 126541

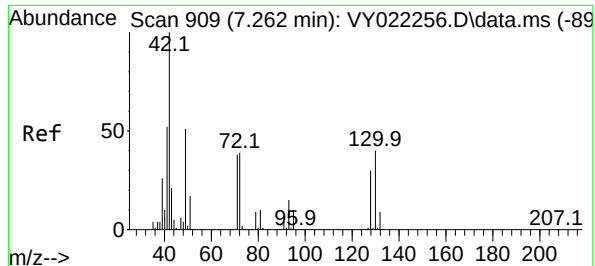
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 68.4 54.7 82.1





#29

Tetrahydrofuran

Concen: 241.931 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 142772

Ion Ratio Lower Upper

42 100

72 42.2 33.8 50.6

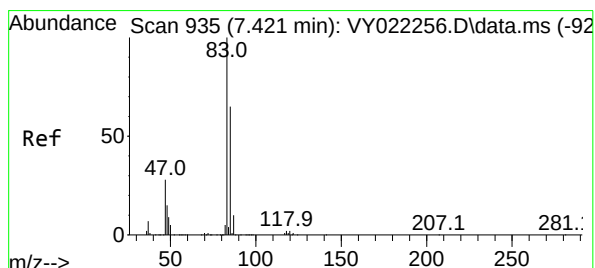
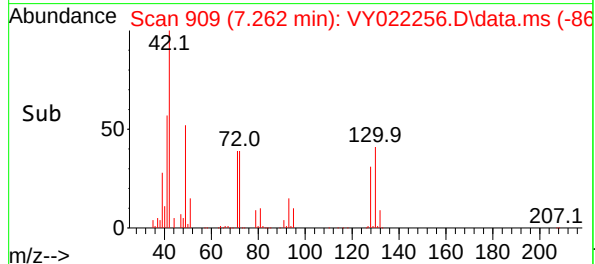
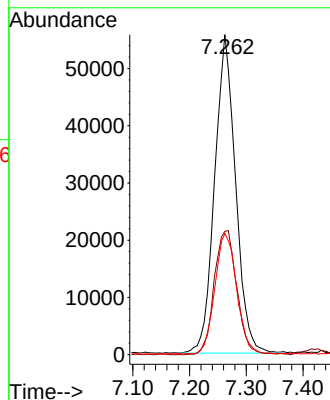
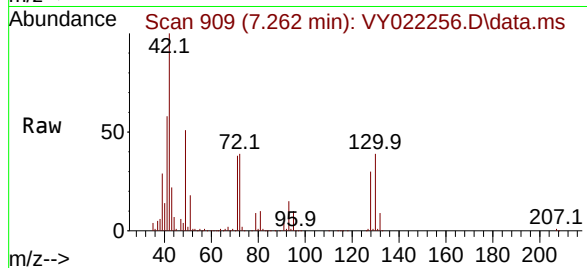
71 39.4 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#30

Chloroform

Concen: 50.831 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022256.D

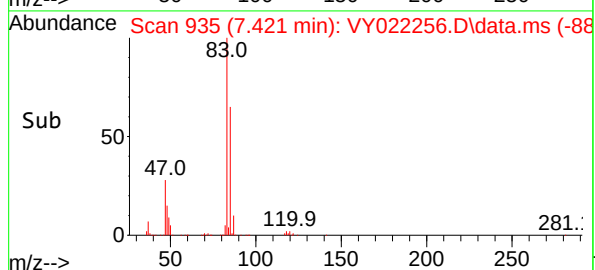
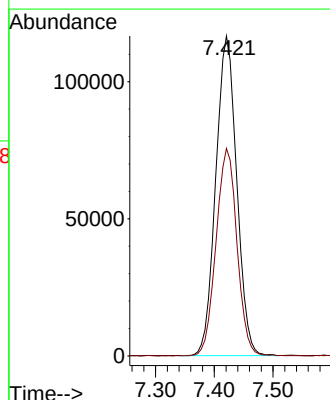
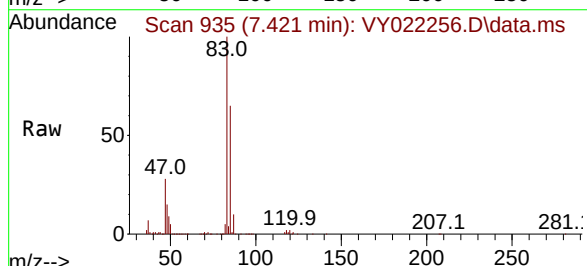
Acq: 15 May 2025 11:02

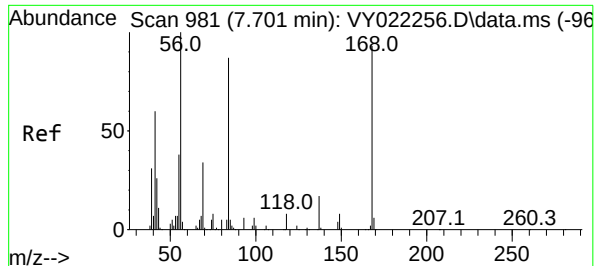
Tgt Ion: 83 Resp: 288708

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.8





#31

Cyclohexane

Concen: 47.728 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 282379

Ion Ratio Lower Upper

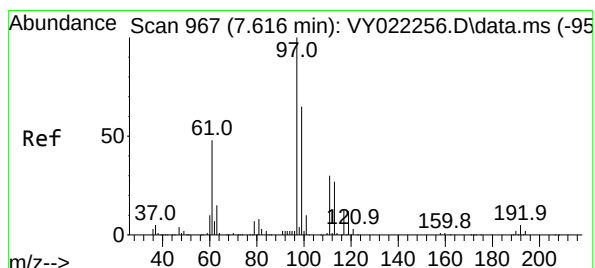
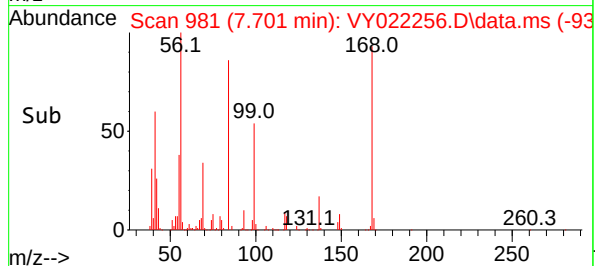
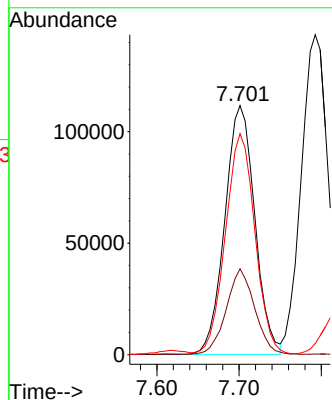
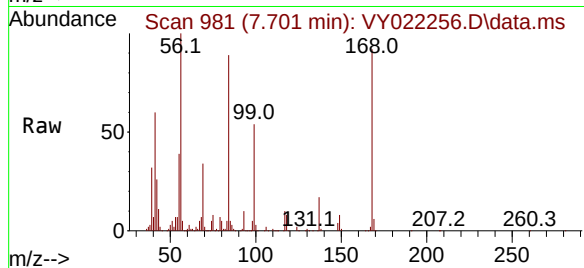
56 100

69 34.3 27.4 41.2

84 87.5 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#32

1,1,1-Trichloroethane

Concen: 49.777 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

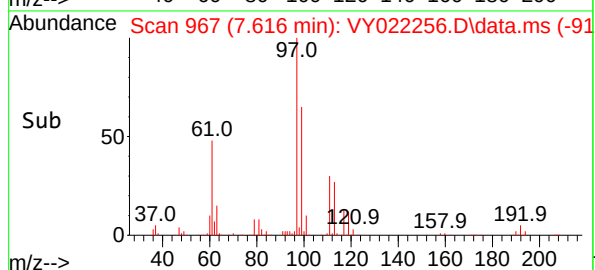
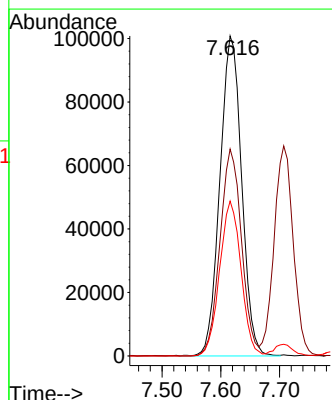
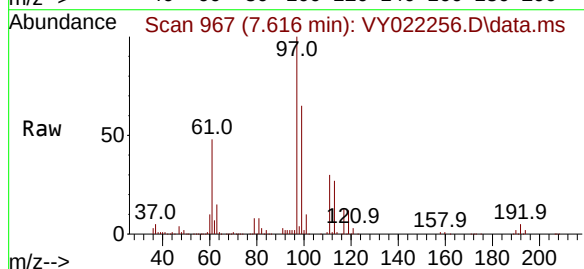
Tgt Ion: 97 Resp: 259382

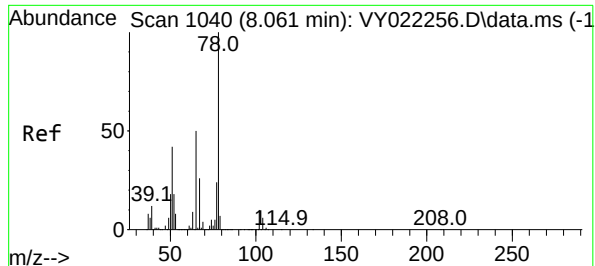
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 47.6 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 49.481 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 14471

Ion Ratio Lower Upper

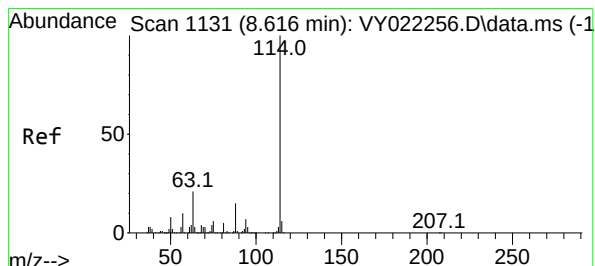
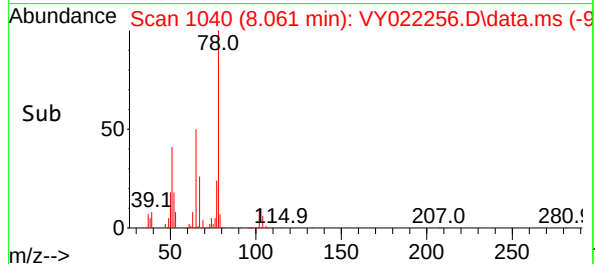
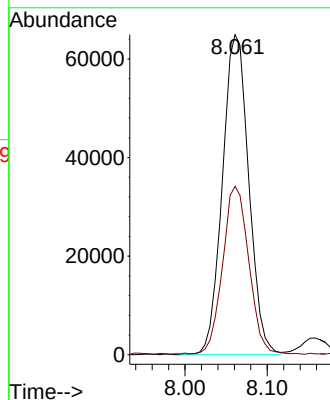
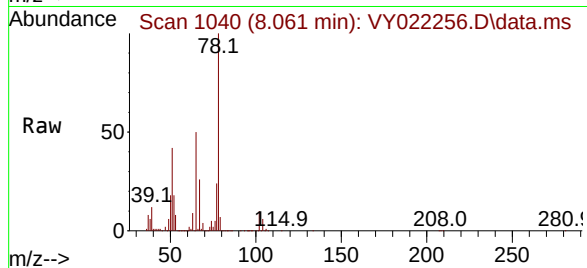
65 100

67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

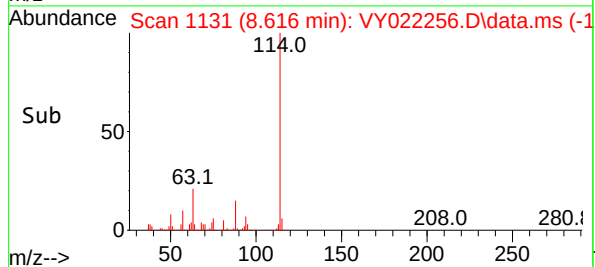
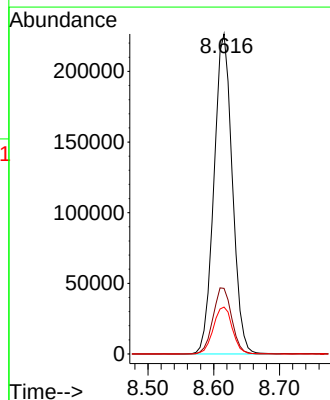
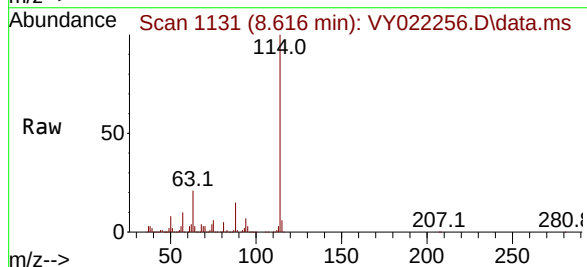
Tgt Ion:114 Resp: 439323

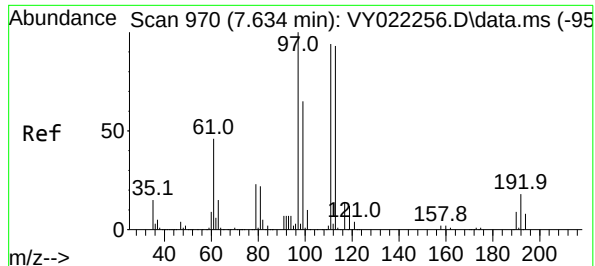
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.495 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 132404

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

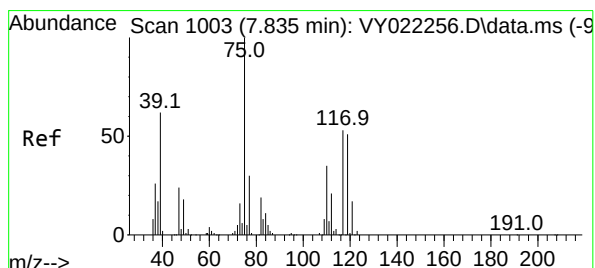
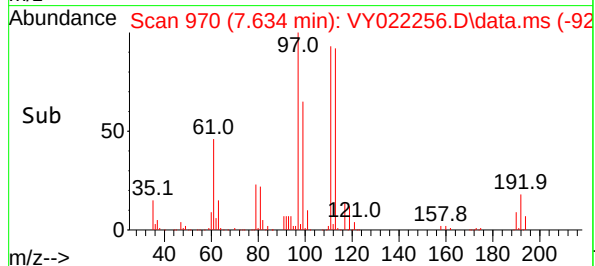
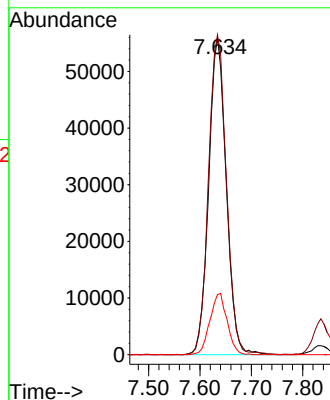
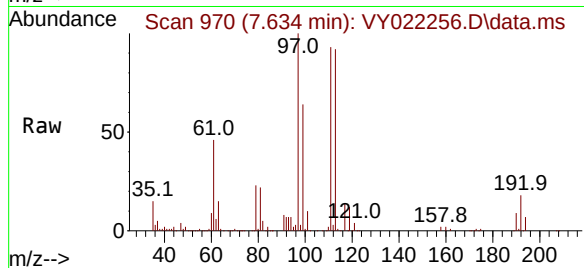
192 19.0 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 51.388 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

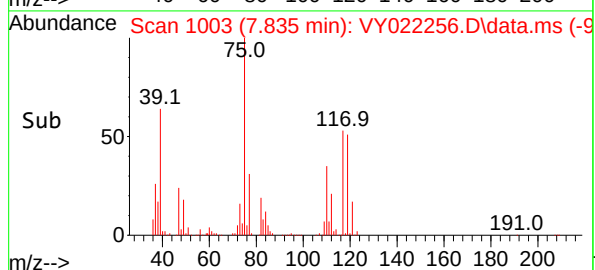
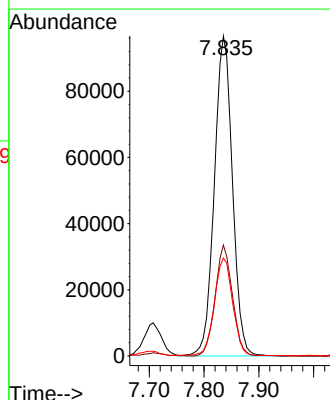
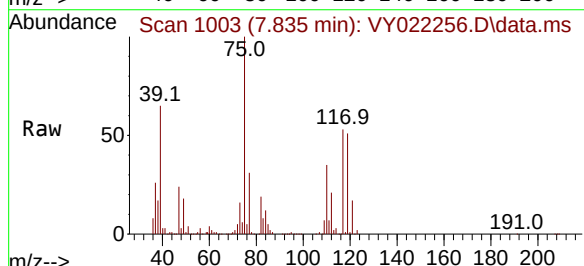
Tgt Ion: 75 Resp: 221943

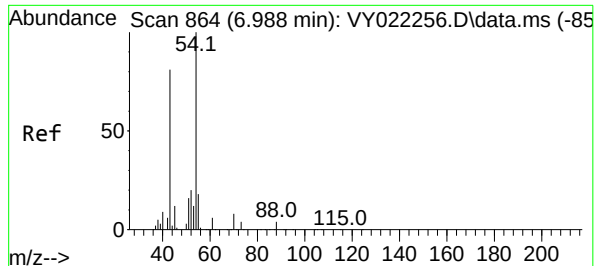
Ion Ratio Lower Upper

75 100

110 33.2 16.6 49.8

77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 49.529 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 102924

Ion Ratio Lower Upper

43 100

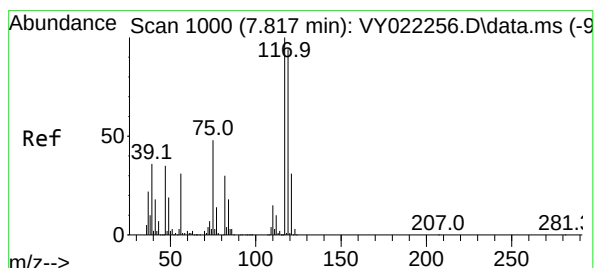
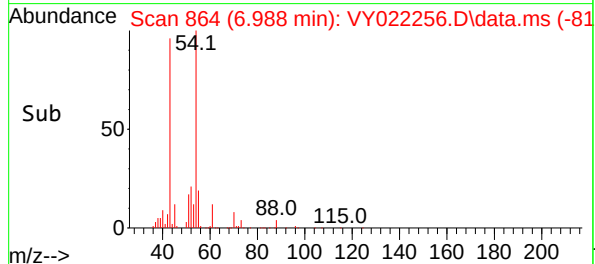
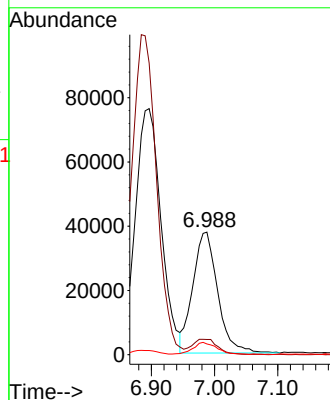
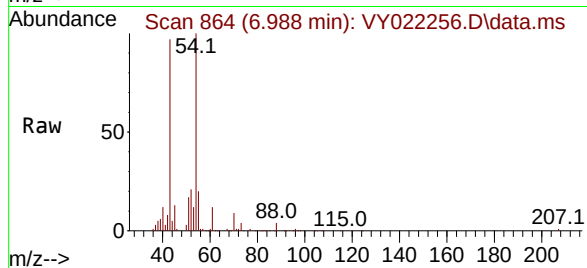
61 12.7 10.2 15.2

70 9.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#38

Carbon Tetrachloride

Concen: 50.754 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

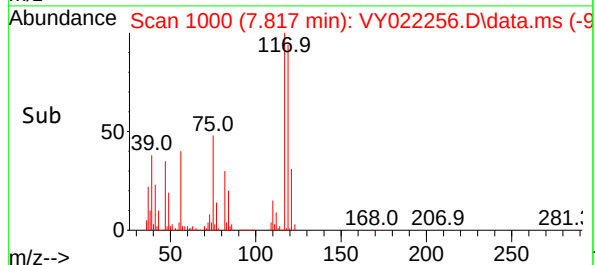
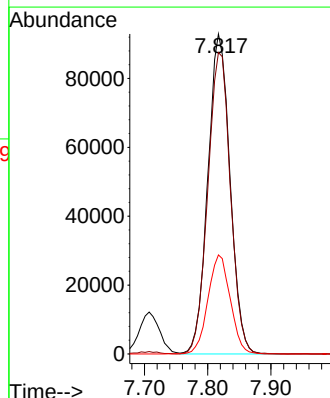
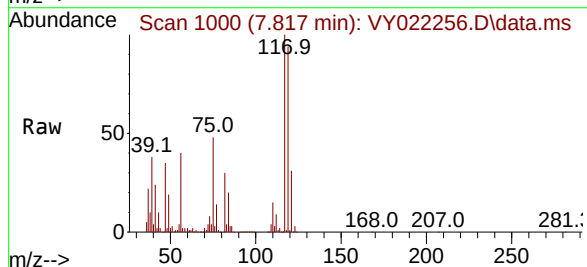
Tgt Ion:117 Resp: 226903

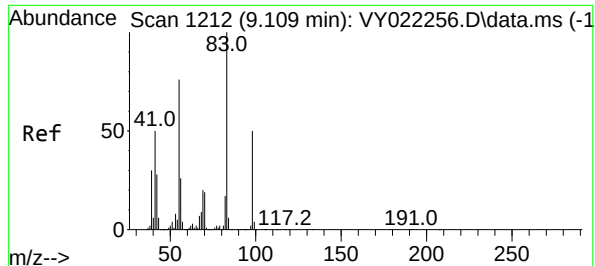
Ion Ratio Lower Upper

117 100

119 94.1 75.3 112.9

121 30.9 24.7 37.1





#39

Methylcyclohexane

Concen: 50.726 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 294330

Ion Ratio Lower Upper

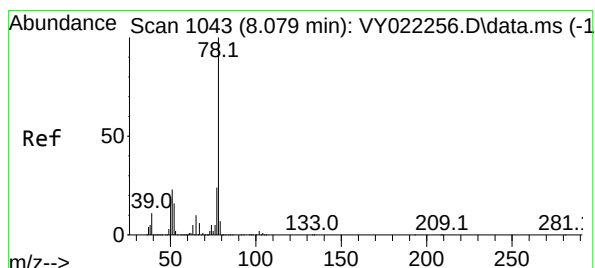
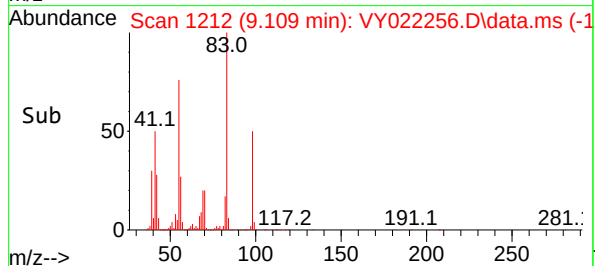
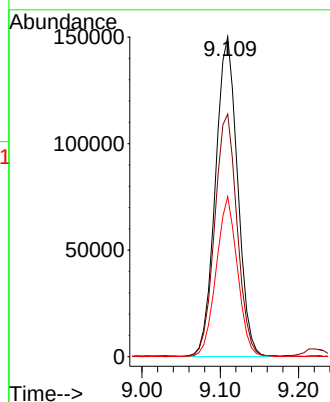
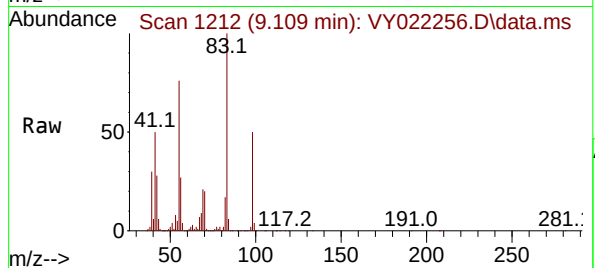
83 100

55 75.7 60.6 90.8

98 50.0 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#40

Benzene

Concen: 51.442 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022256.D

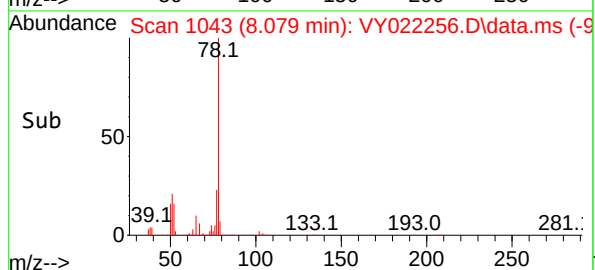
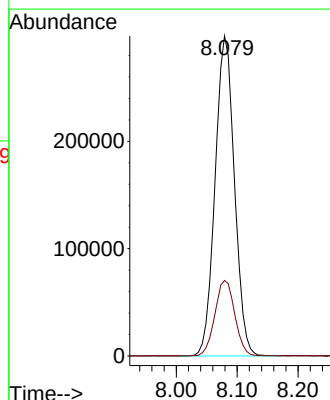
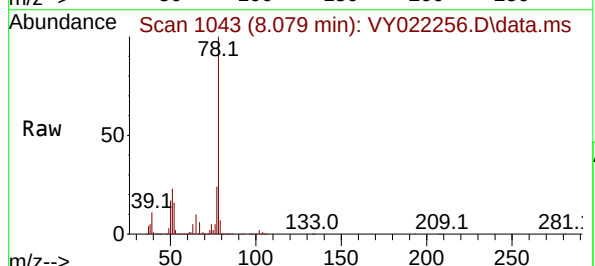
Acq: 15 May 2025 11:02

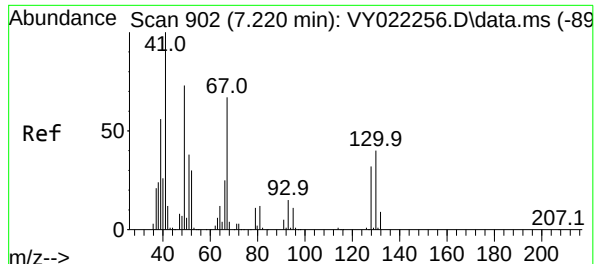
Tgt Ion: 78 Resp: 658644

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





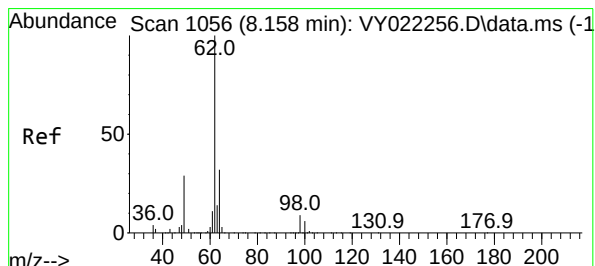
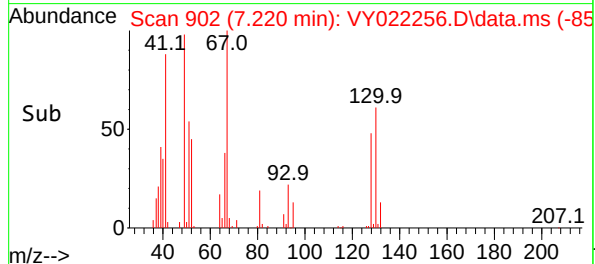
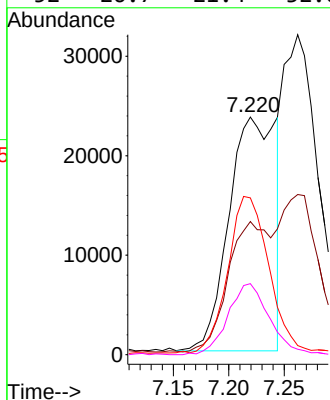
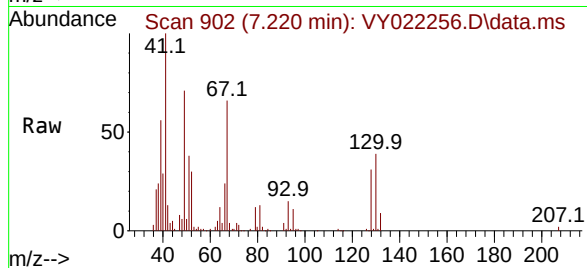
#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 69470
Ion Ratio Lower Upper
41 100
39 48.8 39.1 58.7
67 58.7 47.1 70.7
52 26.7 21.4 32.0

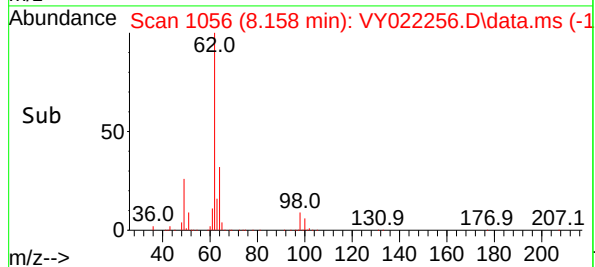
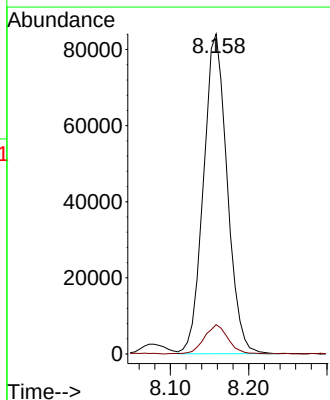
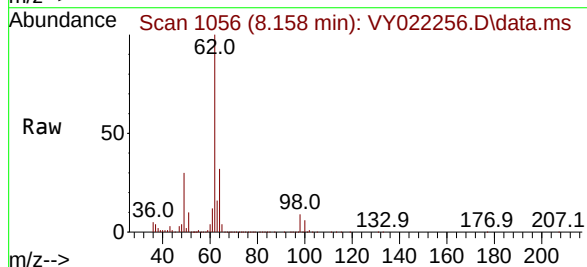
Manual Integrations
APPROVED

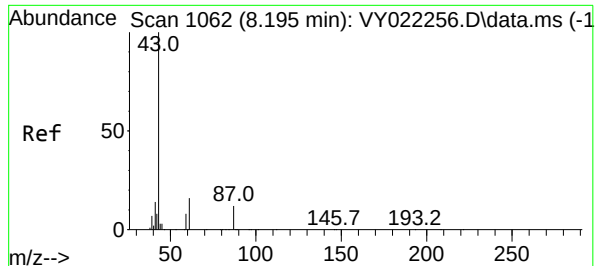
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 50.954 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 176425
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 49.785 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 225628

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

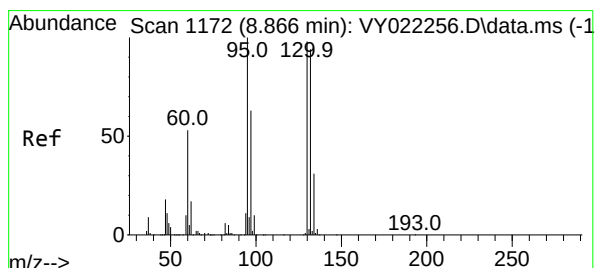
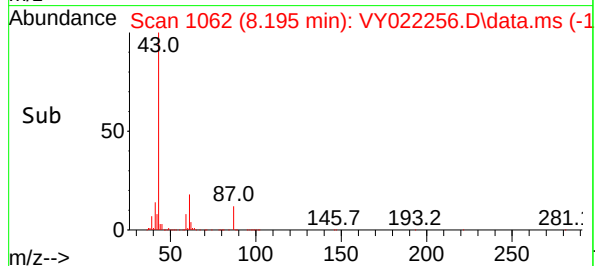
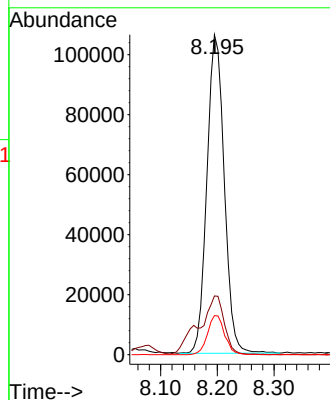
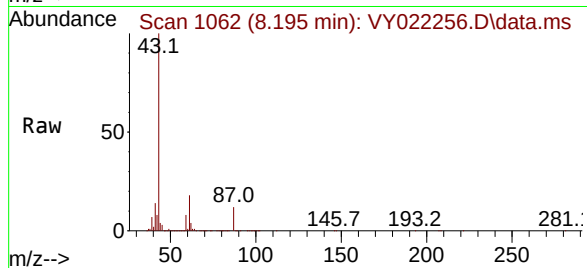
87 12.1 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#44

Trichloroethene

Concen: 51.138 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY022256.D

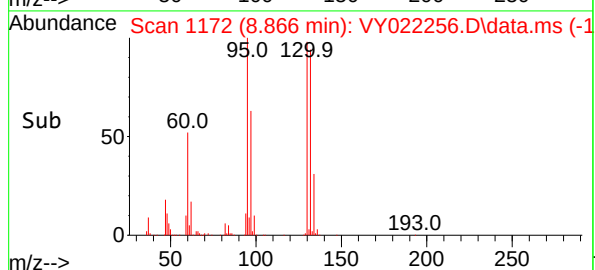
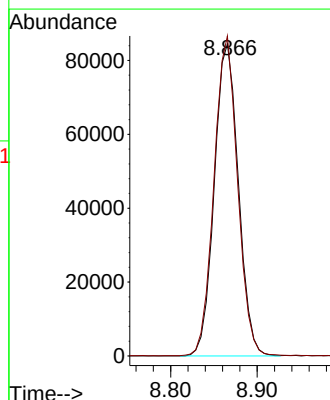
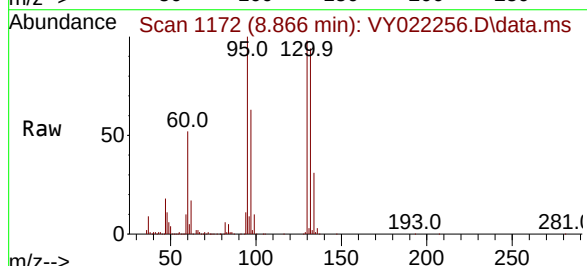
Acq: 15 May 2025 11:02

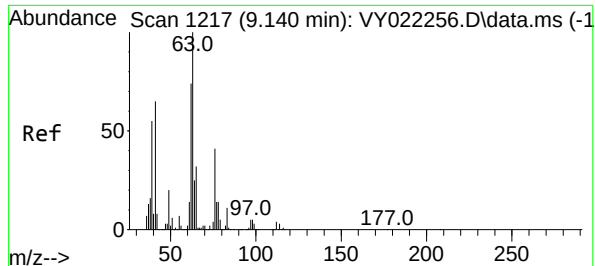
Tgt Ion:130 Resp: 162802

Ion Ratio Lower Upper

130 100

95 102.4 0.0 204.8





#45

1,2-Dichloropropane

Concen: 50.819 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 156870

Ion Ratio Lower Upper

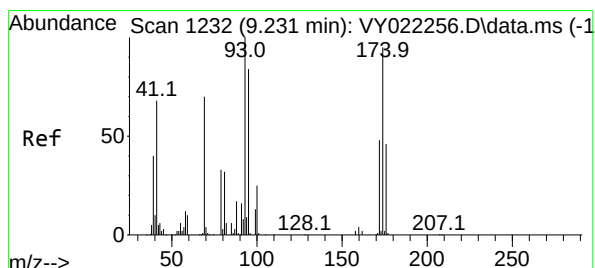
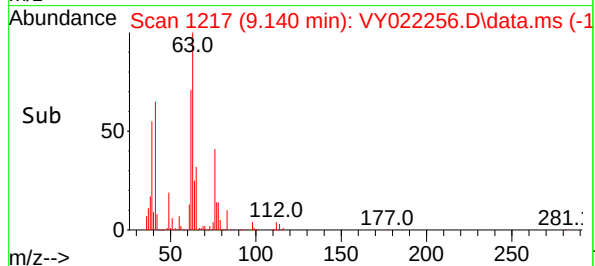
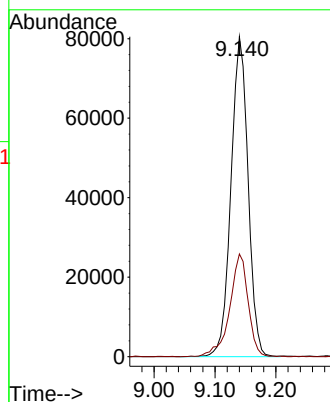
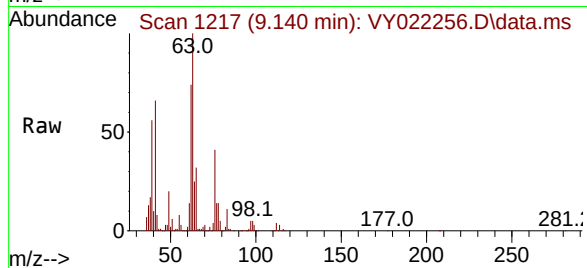
63 100

65 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 49.849 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

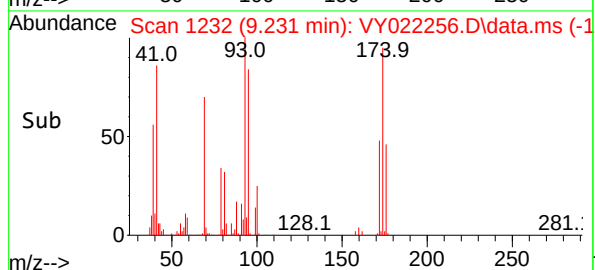
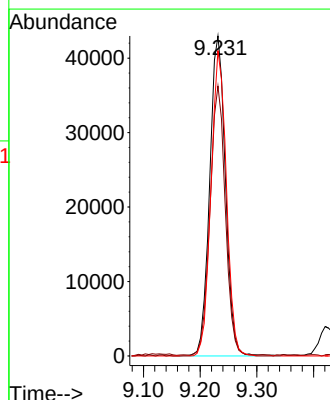
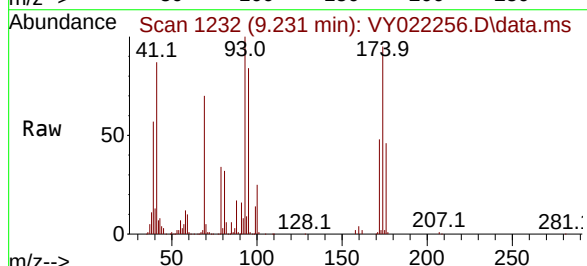
Tgt Ion: 93 Resp: 82994

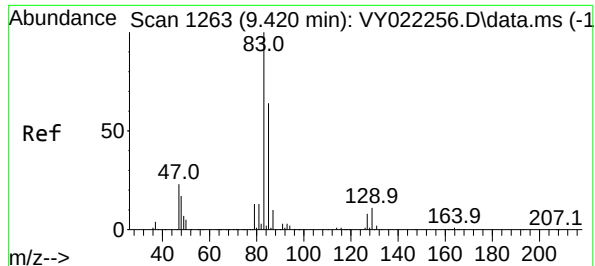
Ion Ratio Lower Upper

93 100

95 81.5 65.2 97.8

174 92.9 74.3 111.5





#47

Bromodichloromethane

Concen: 51.435 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

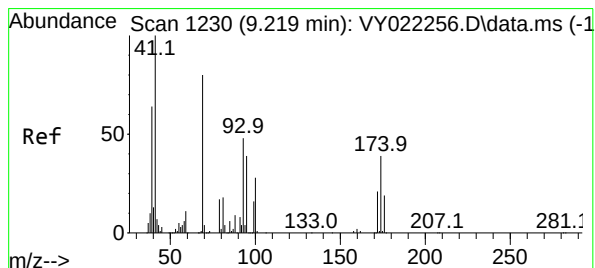
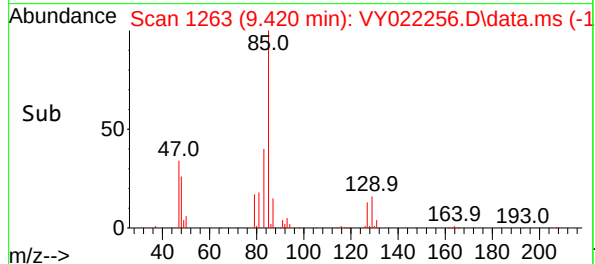
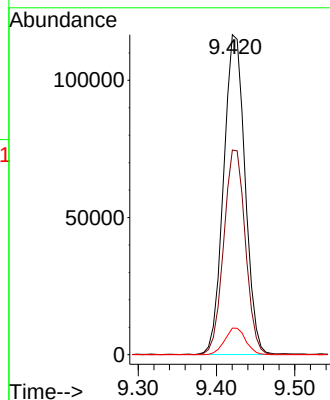
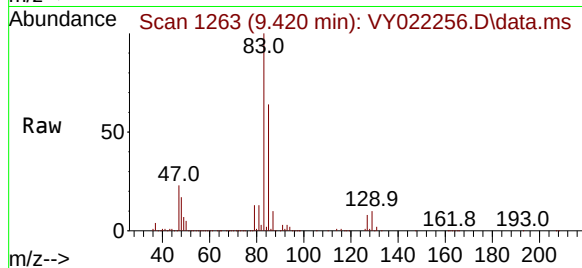
VSTDICCC050

Tgt Ion:	83	Resp:	22215
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#48

Methyl methacrylate

Concen: 49.726 ug/l

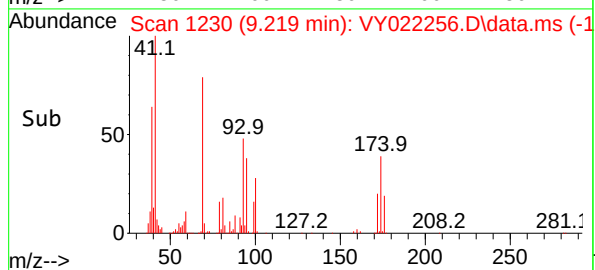
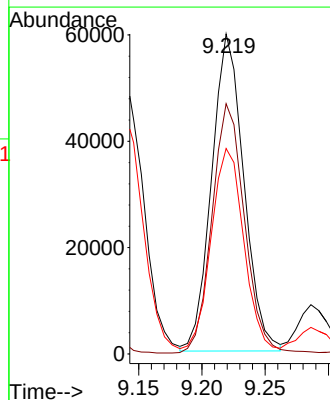
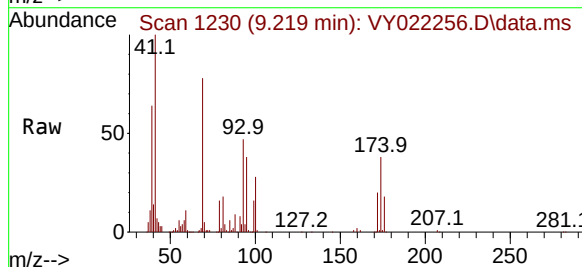
RT: 9.219 min Scan# 1230

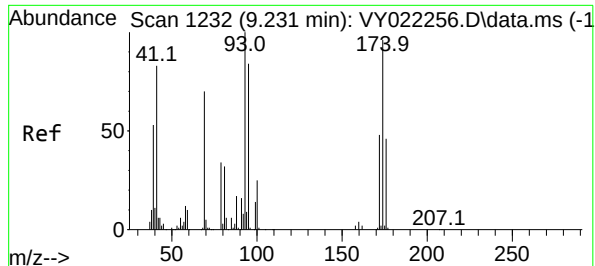
Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Tgt Ion:	41	Resp:	105390
Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.5	95.3
39	63.5	50.8	76.2





#49

1,4-Dioxane

Concen: 958.446 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 1802

Ion Ratio Lower Upper

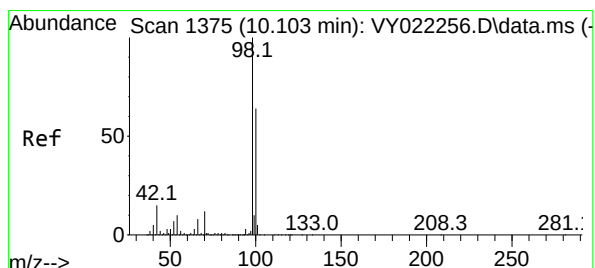
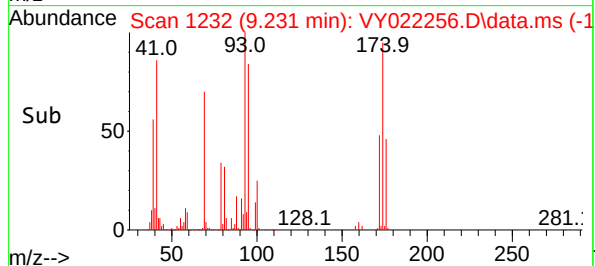
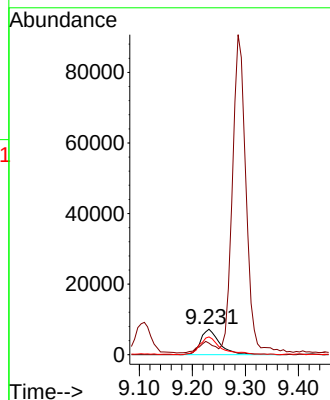
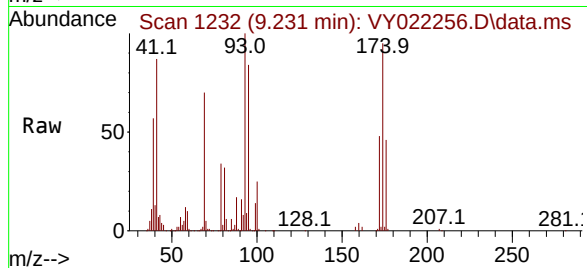
88 100

43 35.6 28.5 42.7

58 76.8 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#50

Toluene-d8

Concen: 50.311 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022256.D

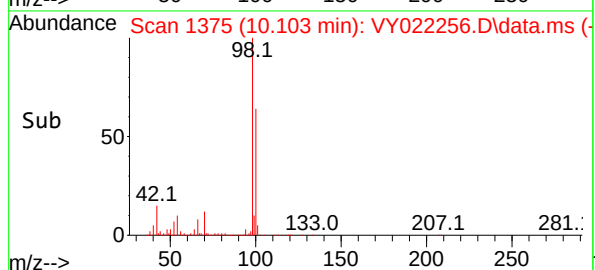
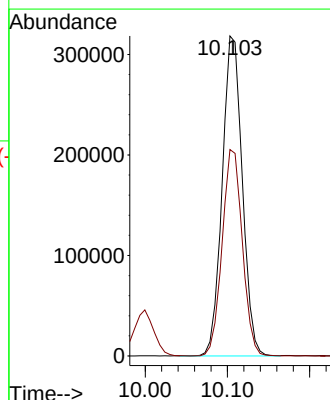
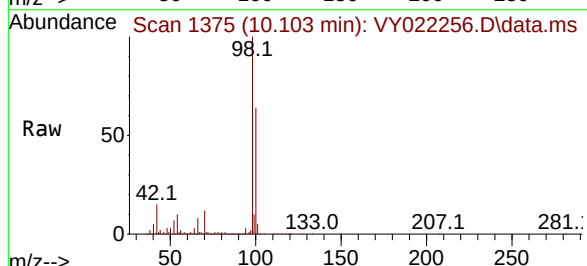
Acq: 15 May 2025 11:02

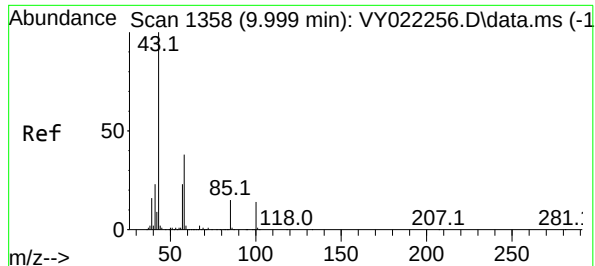
Tgt Ion: 98 Resp: 540296

Ion Ratio Lower Upper

98 100

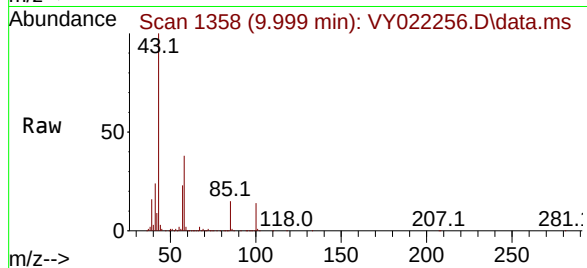
100 64.8 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 250.085 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

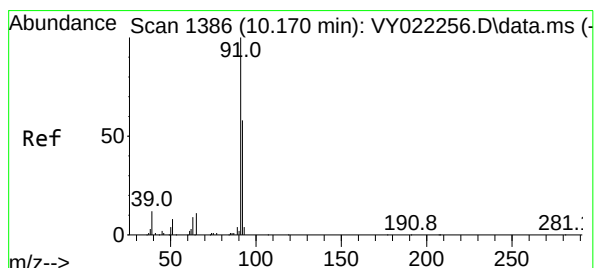
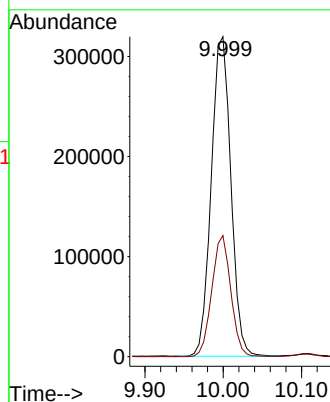
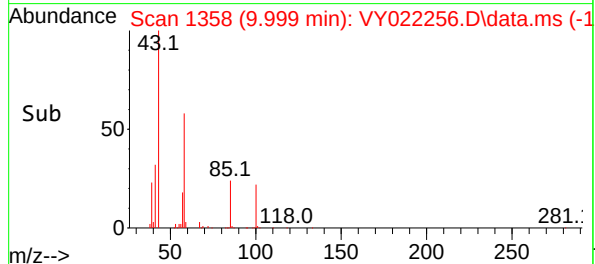
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 556123
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2

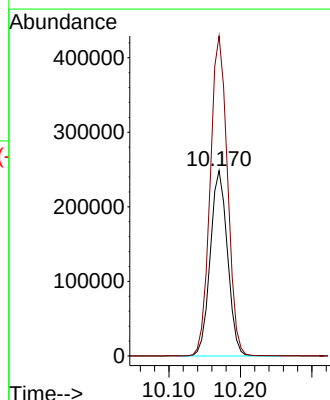
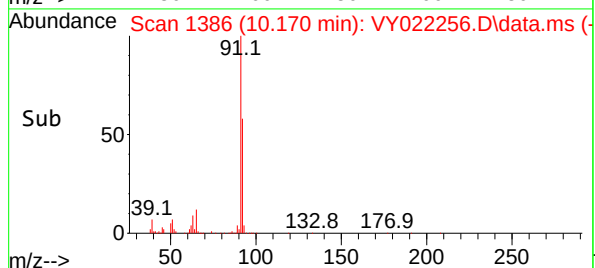
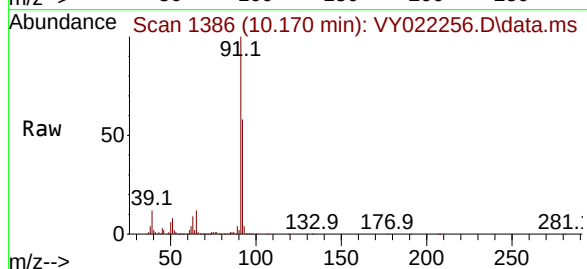
Manual Integrations
APPROVED

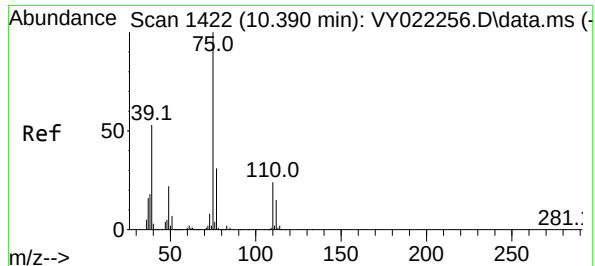
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 51.134 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 92 Resp: 414584
Ion Ratio Lower Upper
92 100
91 173.9 139.1 208.7





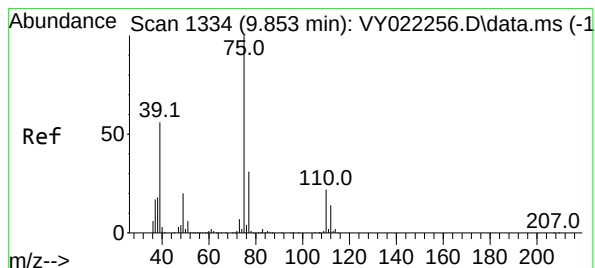
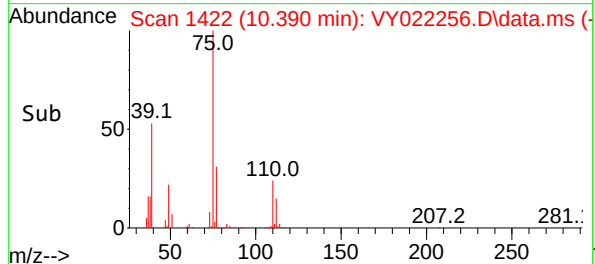
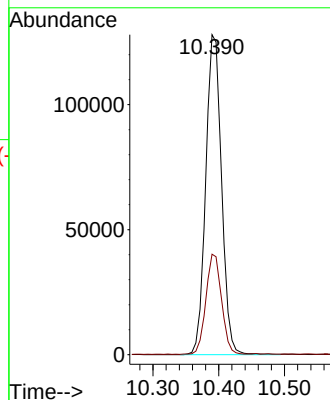
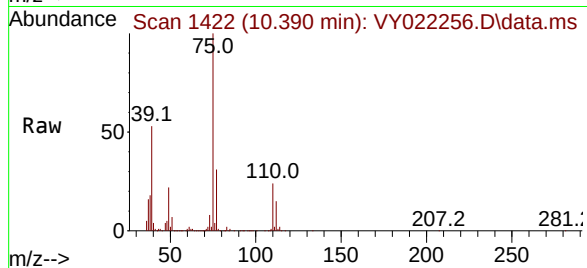
#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 213990
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

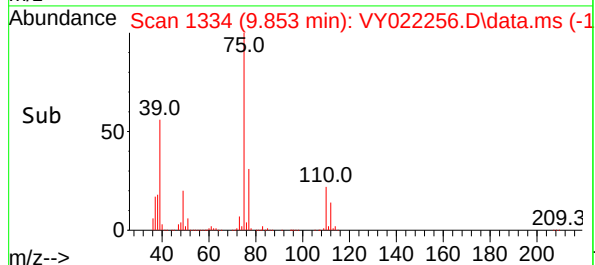
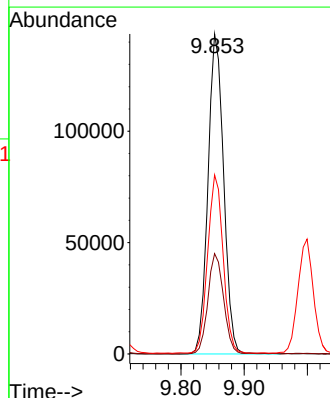
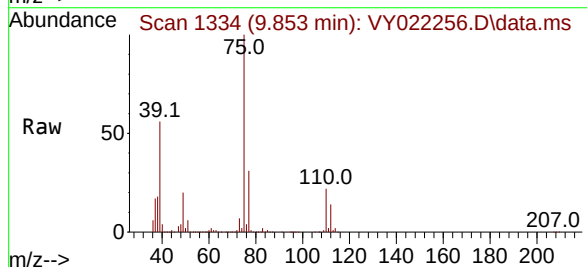
Manual Integrations
APPROVED

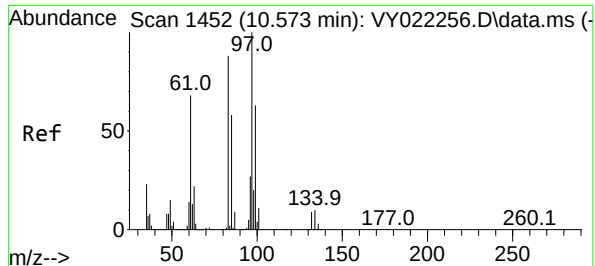
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 51.143 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

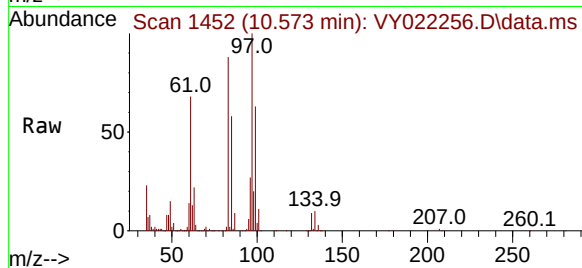
Tgt Ion: 75 Resp: 246990
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 55.6 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 50.036 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

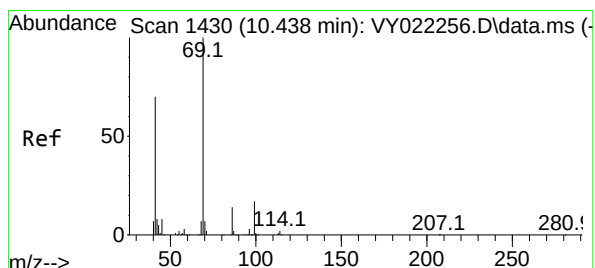
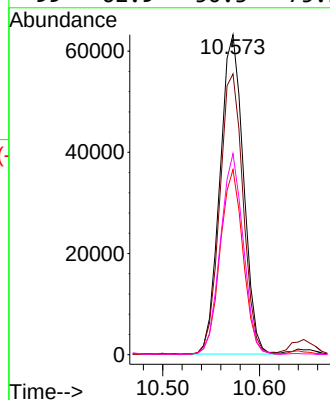
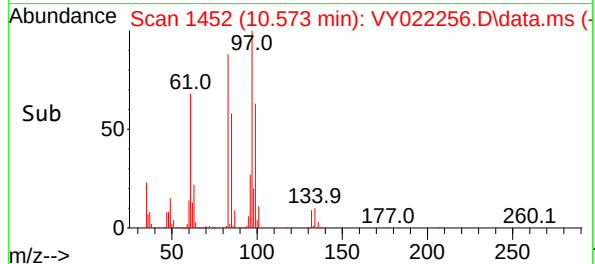
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 106670
Ion Ratio Lower Upper
97 100
83 87.9 70.3 105.5
85 57.8 46.2 69.4
99 62.9 50.3 75.5

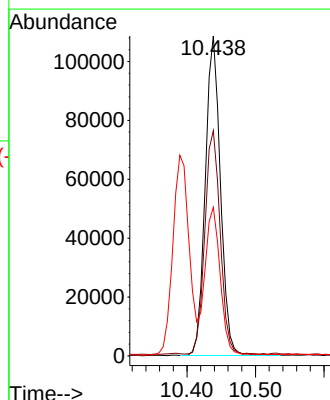
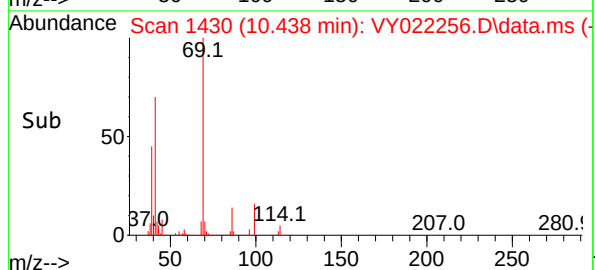
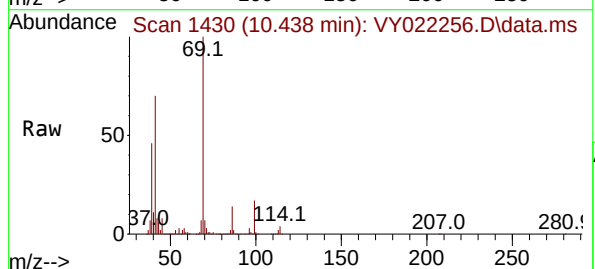
Manual Integrations
APPROVED

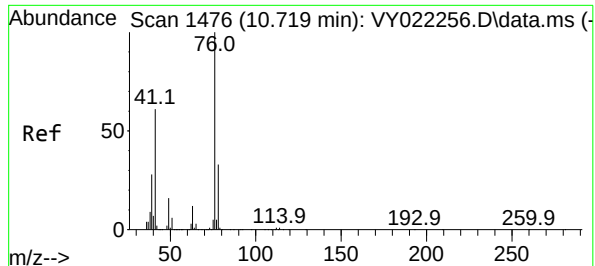
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#56
Ethyl methacrylate
Concen: 50.364 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

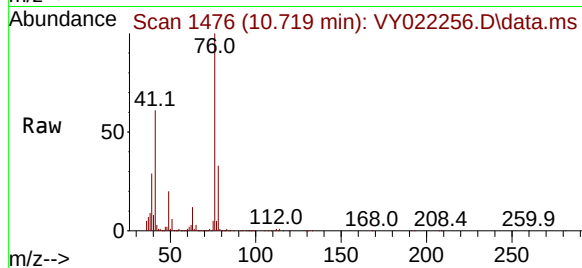
Tgt Ion: 69 Resp: 167259
Ion Ratio Lower Upper
69 100
41 70.6 56.5 84.7
39 46.4 37.1 55.7





#57
1,3-Dichloropropane
Concen: 50.759 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

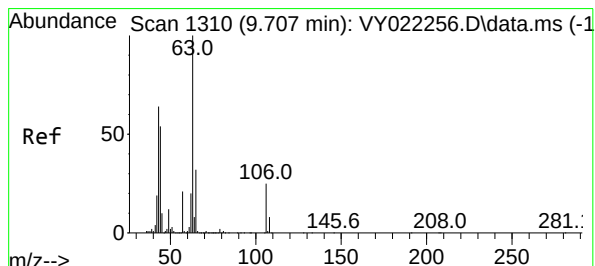
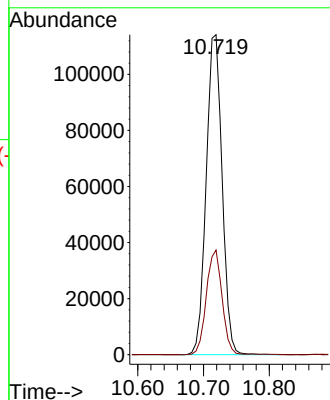
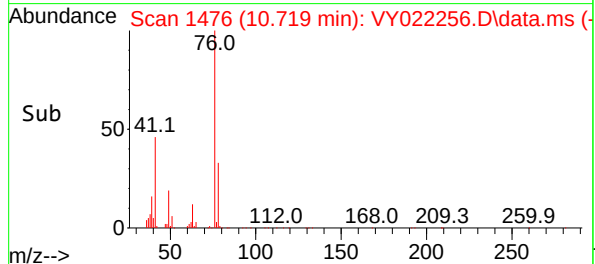
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



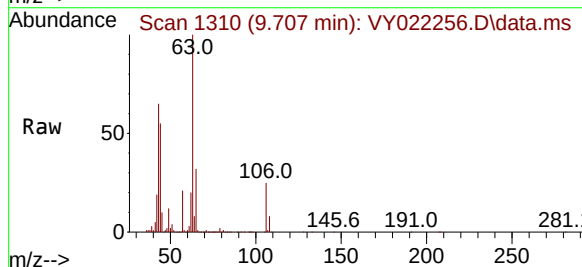
Tgt Ion: 76 Resp: 192279
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

Manual Integrations
APPROVED

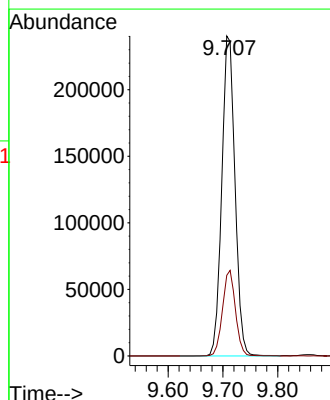
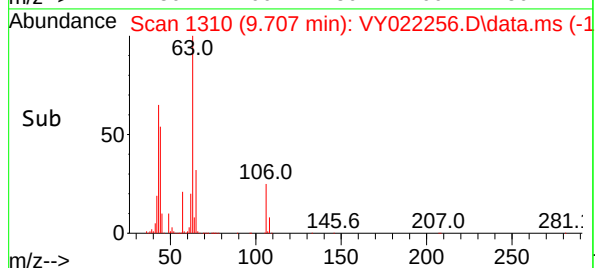
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

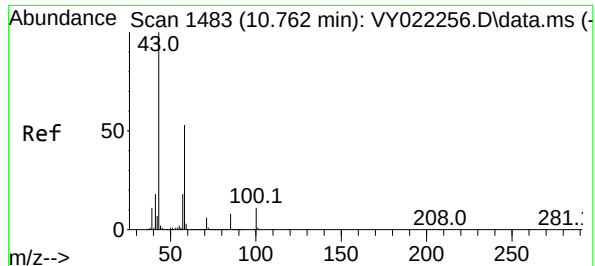


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



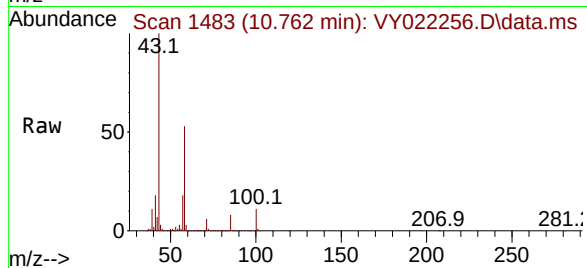
Tgt Ion: 63 Resp: 403074
Ion Ratio Lower Upper
63 100
106 26.2 21.0 31.4





#59
2-Hexanone
Concen: 244.881 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

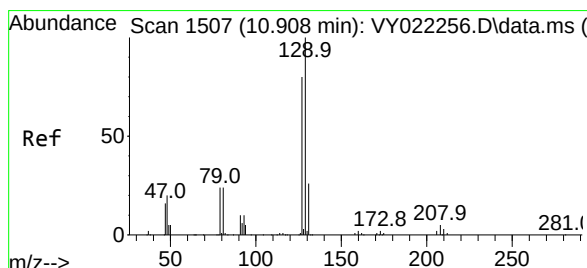
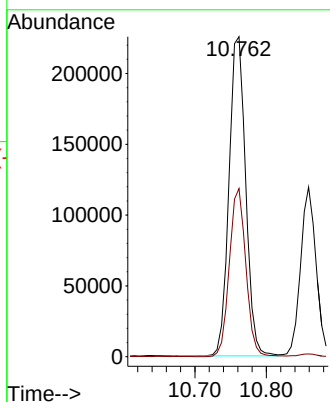
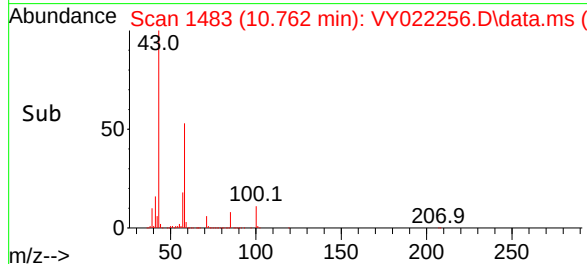
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 36511
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

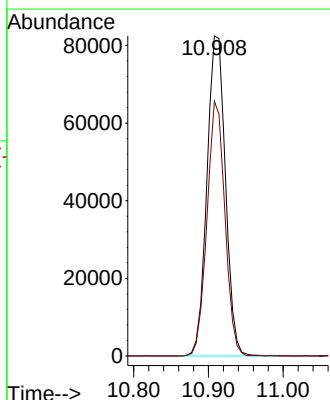
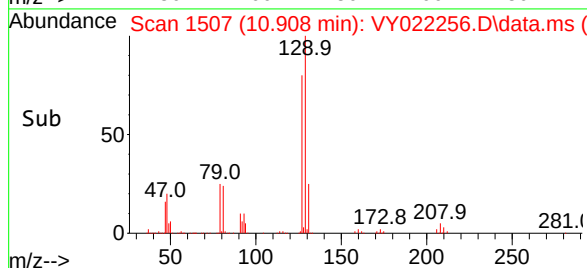
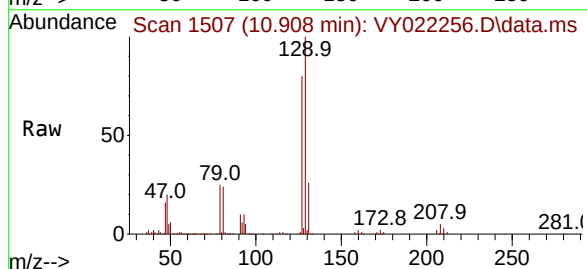
Manual Integrations
APPROVED

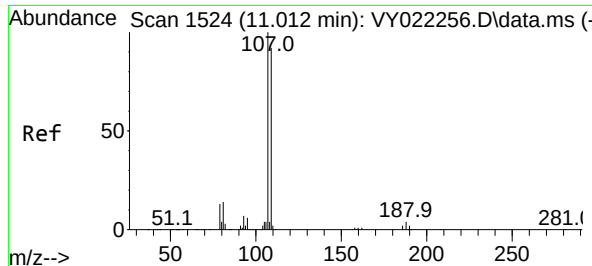
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

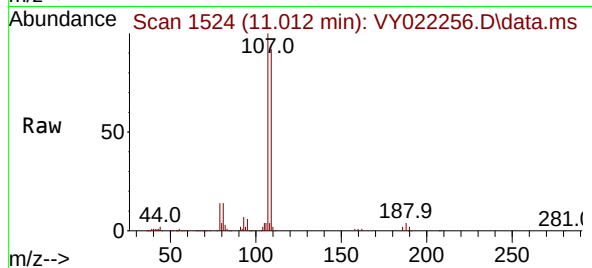
Tgt Ion:129 Resp: 141896
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 50.236 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

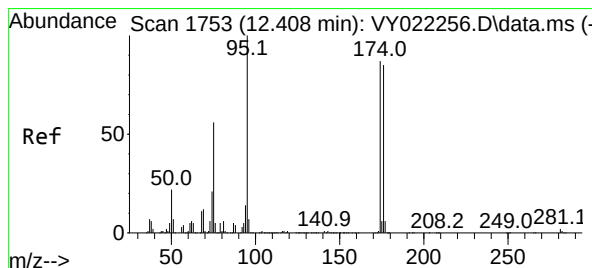
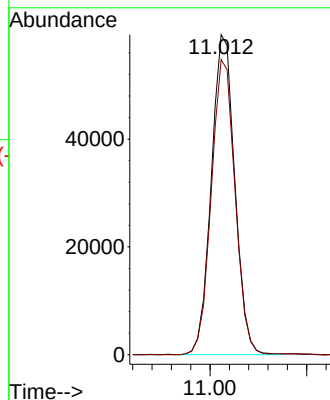
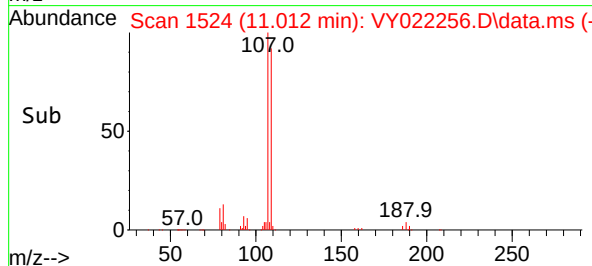
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 9982
Ion Ratio Lower Upper
107 100
109 93.2 74.6 111.8

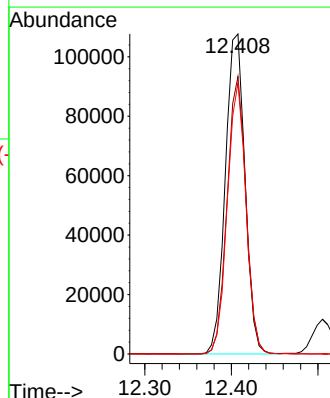
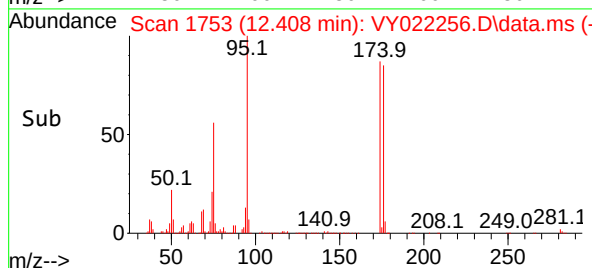
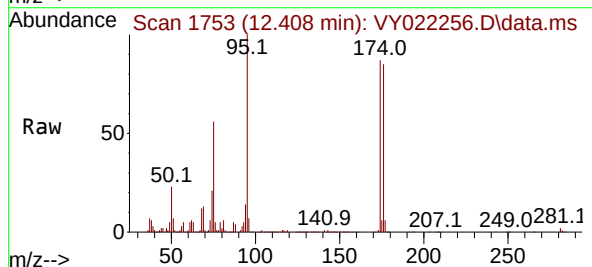
Manual Integrations
APPROVED

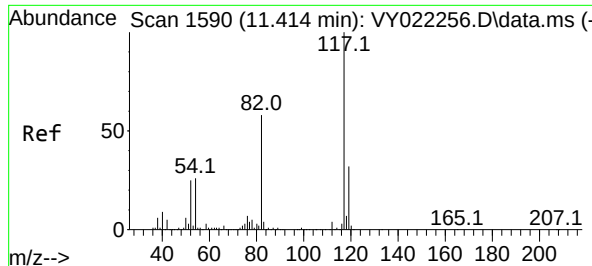
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

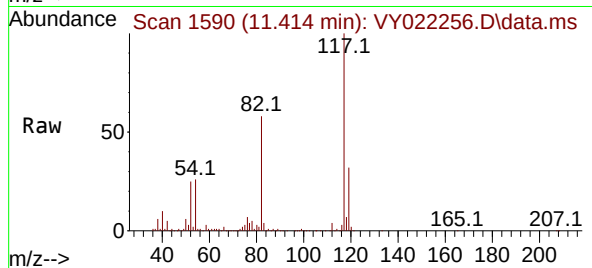
Tgt Ion: 95 Resp: 169827
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 80.4 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

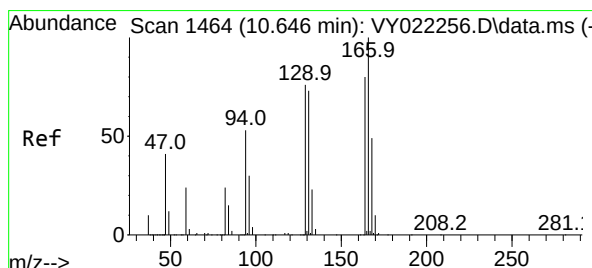
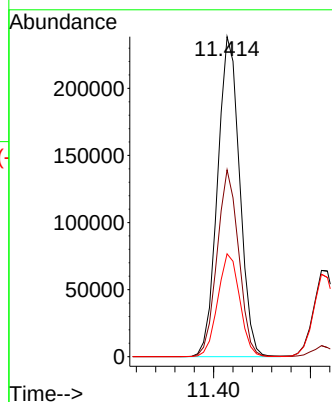
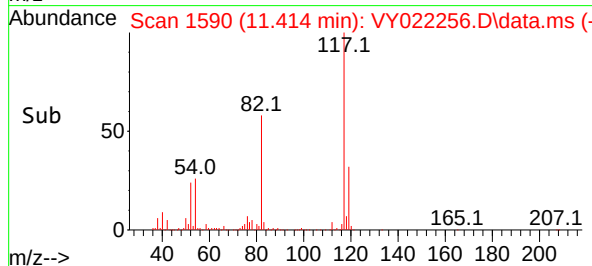
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 37757
Ion Ratio Lower Upper
117 100
82 58.3 46.6 70.0
119 32.2 25.8 38.6

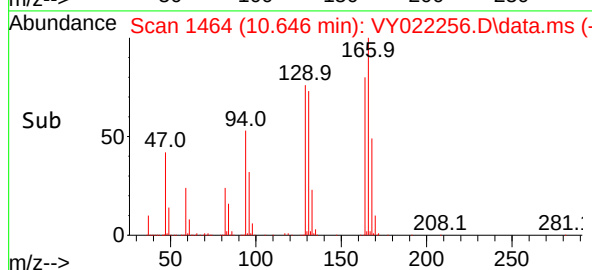
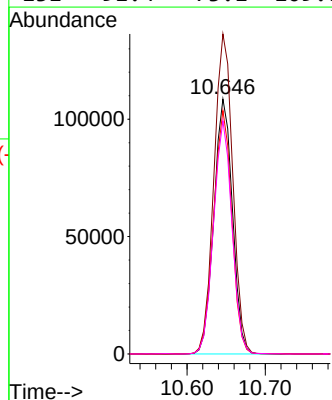
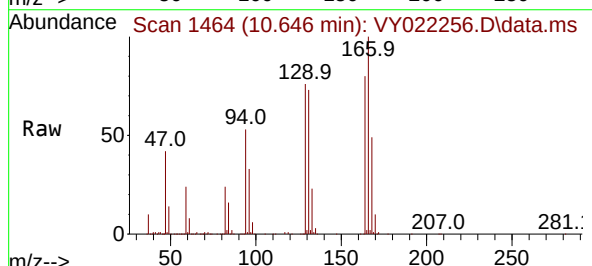
Manual Integrations
APPROVED

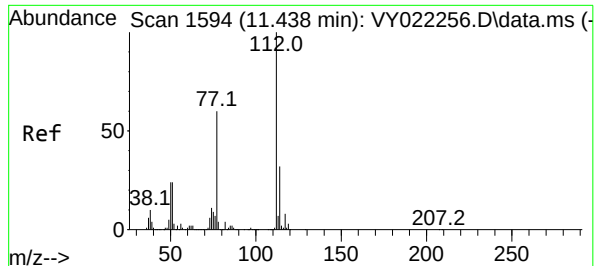
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

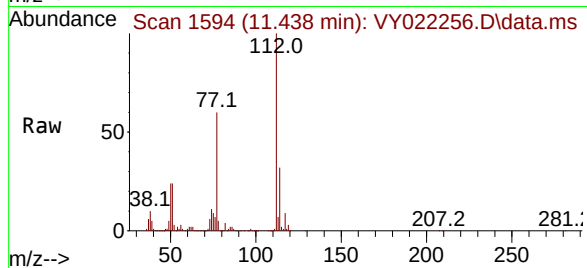
Tgt Ion:164 Resp: 178854
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 95.5 76.4 114.6
131 91.4 73.1 109.7





#65
Chlorobenzene
Concen: 51.169 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

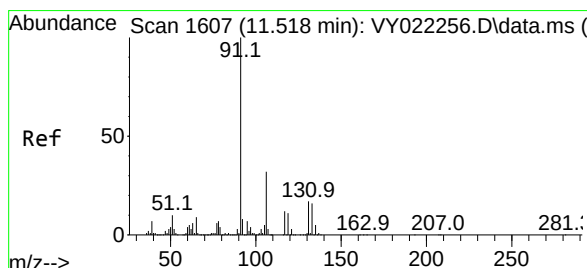
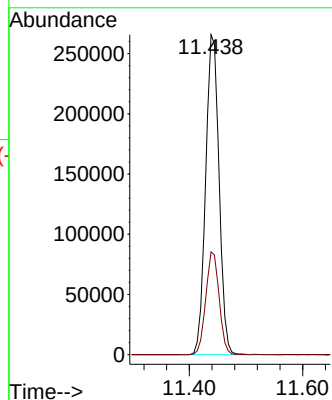
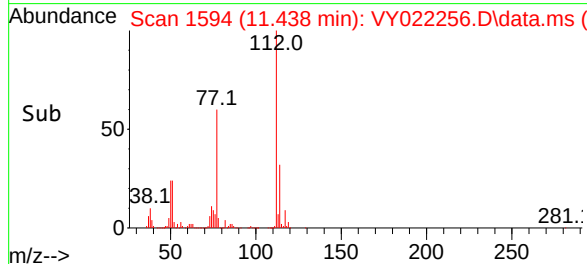
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 435874
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

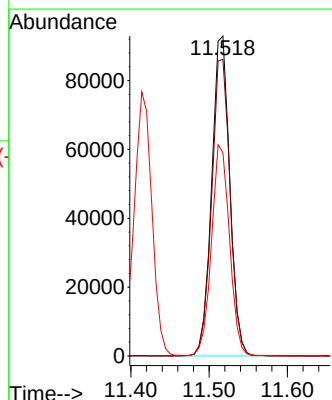
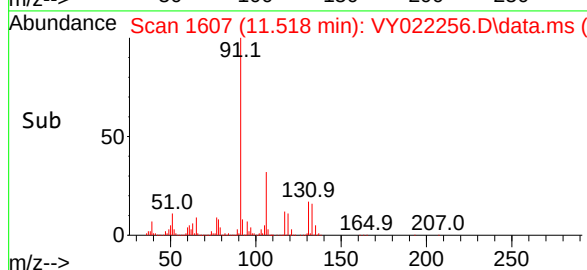
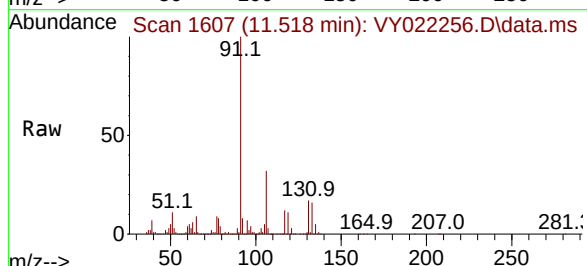
Manual Integrations
APPROVED

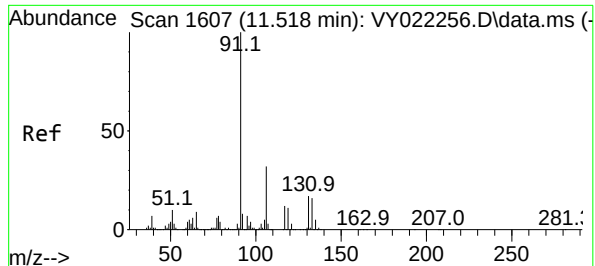
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:131 Resp: 148798
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 66.1 33.1 99.2





#67

Ethyl Benzene

Concen: 51.473 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 821168

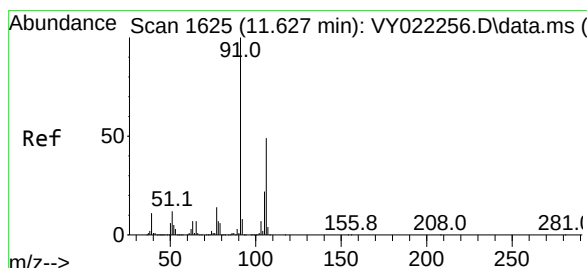
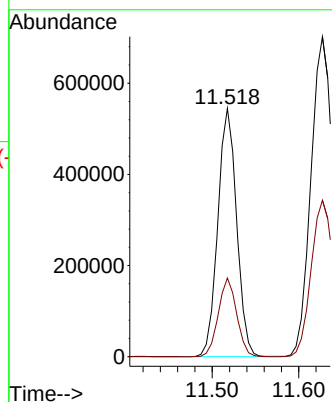
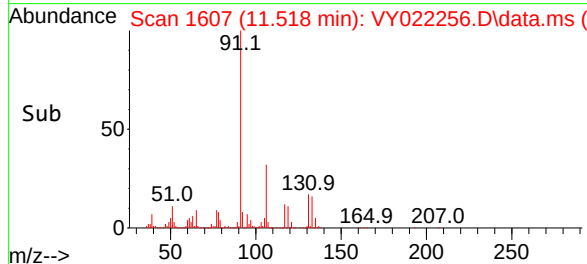
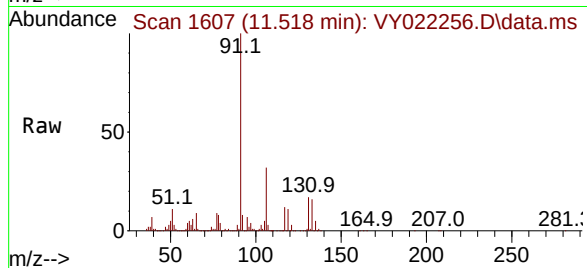
Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#68

m/p-Xylenes

Concen: 102.746 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022256.D

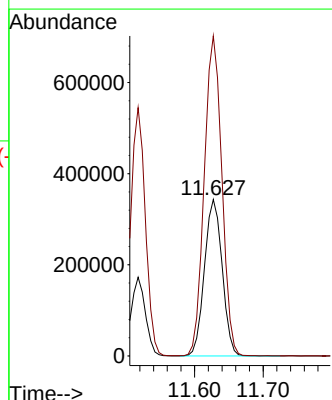
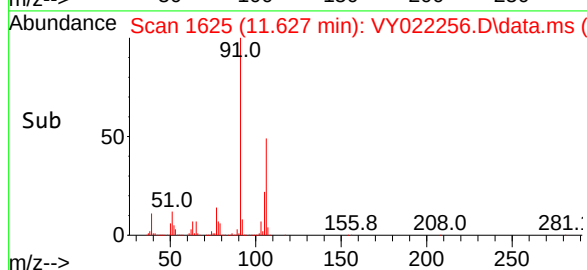
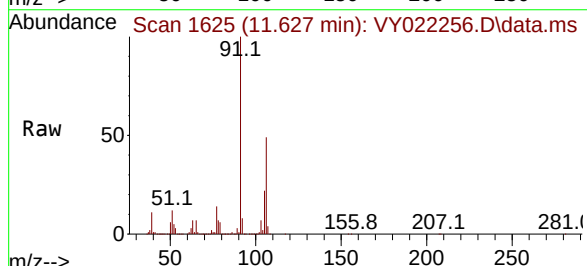
Acq: 15 May 2025 11:02

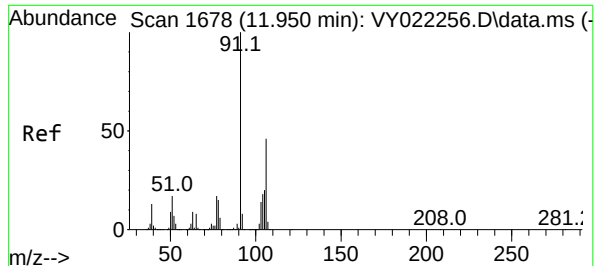
Tgt Ion:106 Resp: 617646

Ion Ratio Lower Upper

106 100

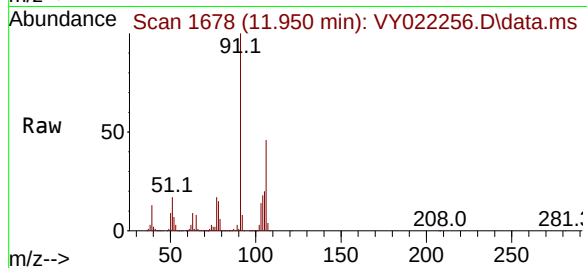
91 203.7 163.0 244.4





#69
o-Xylene
Concen: 50.971 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

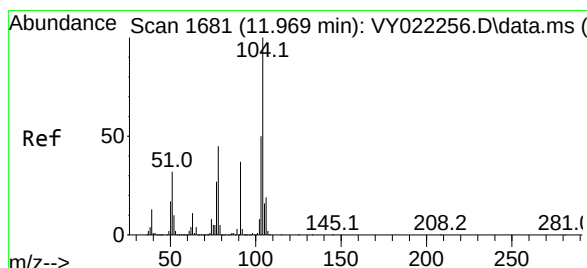
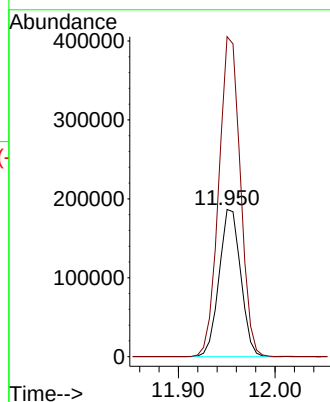
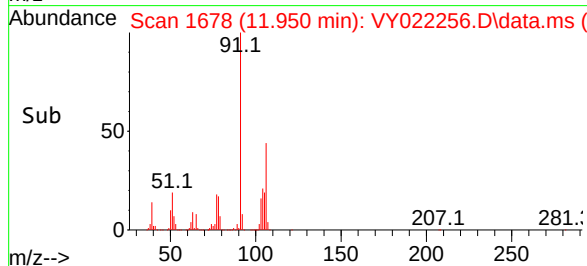
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:106 Resp: 289897
Ion Ratio Lower Upper
106 100
91 216.5 108.3 324.8

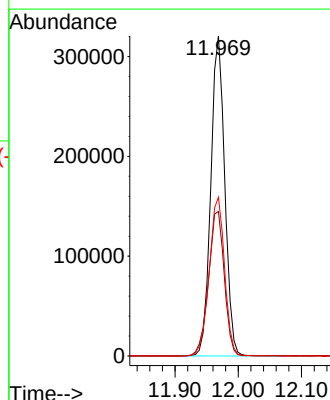
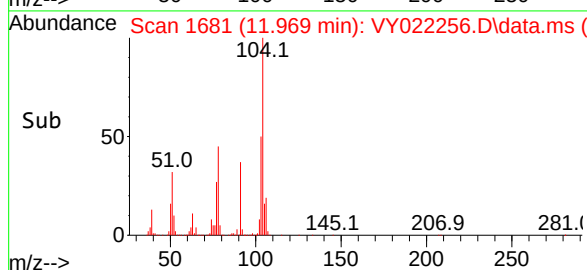
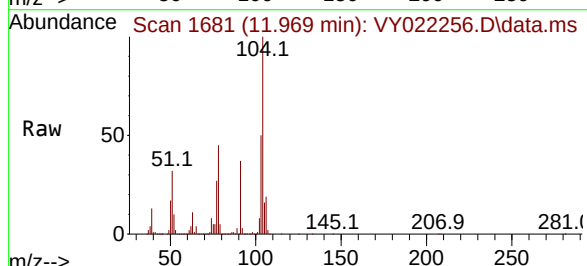
Manual Integrations
APPROVED

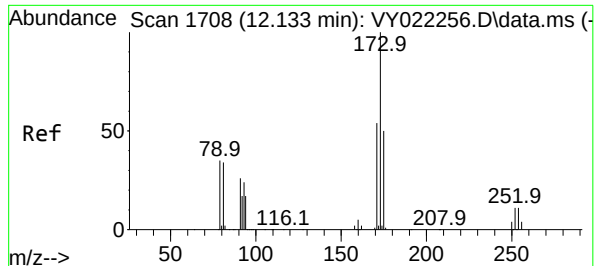
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 51.260 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

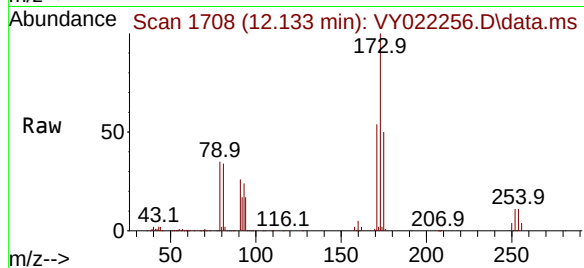
Tgt Ion:104 Resp: 491792
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 54.6 43.7 65.5





#71
Bromoform
Concen: 49.849 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

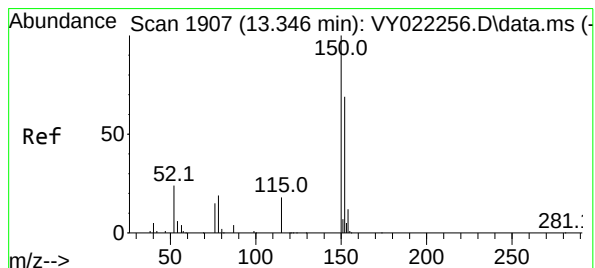
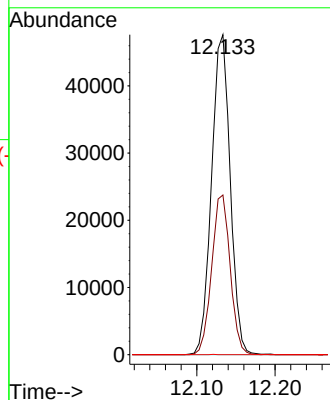
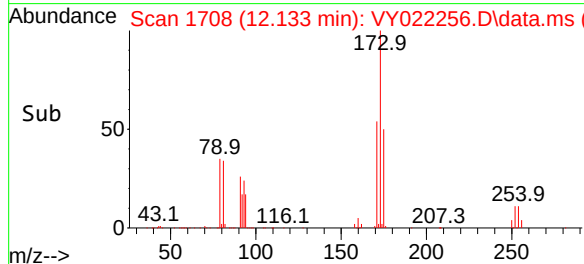
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



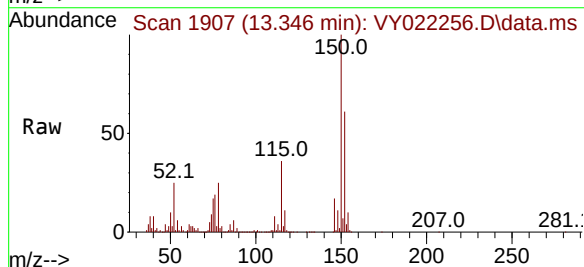
Tgt Ion:173 Resp: 78794
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.0 0.0 0.0

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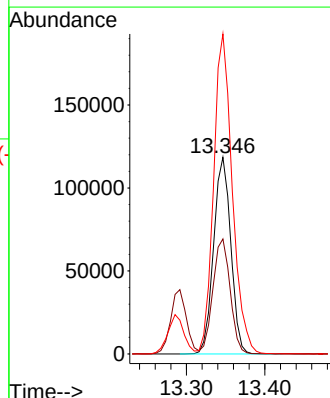
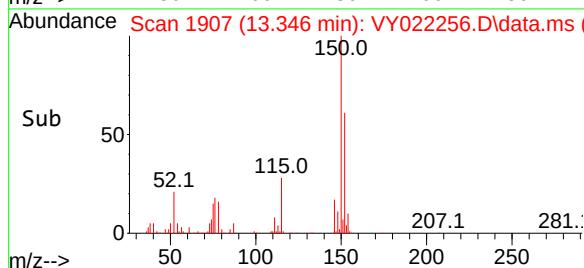
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

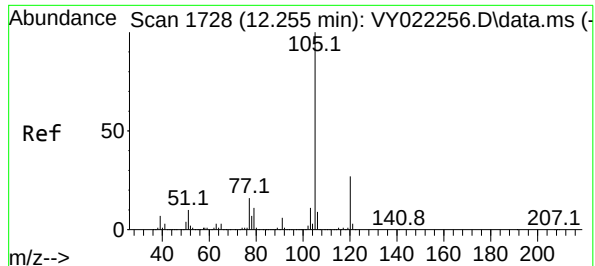


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



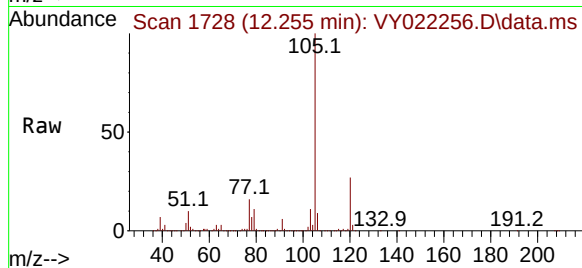
Tgt Ion:152 Resp: 180358
Ion Ratio Lower Upper
152 100
115 58.8 29.4 88.2
150 176.9 0.0 353.8





#73
Isopropylbenzene
Concen: 50.657 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

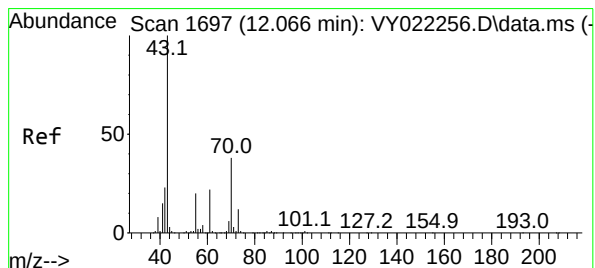
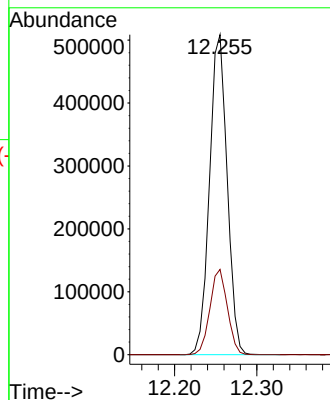
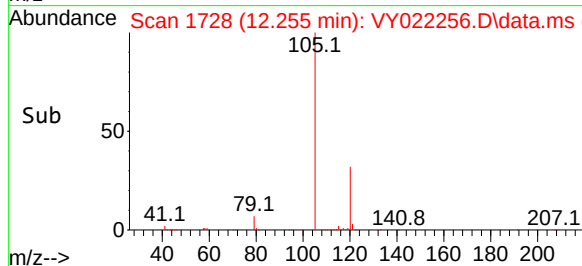
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 756908
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

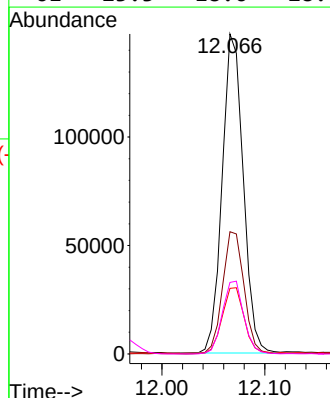
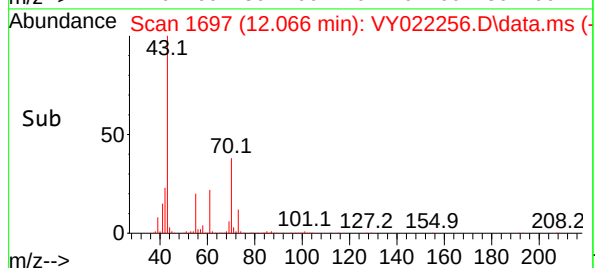
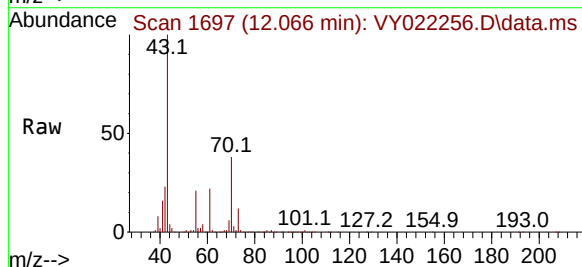
Manual Integrations
APPROVED

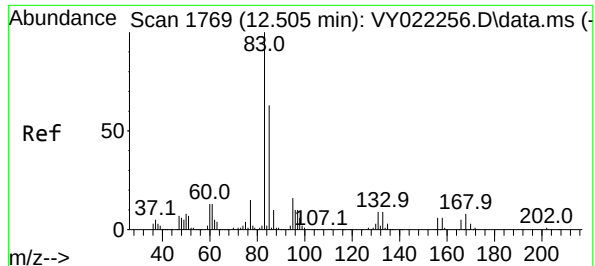
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 48.930 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

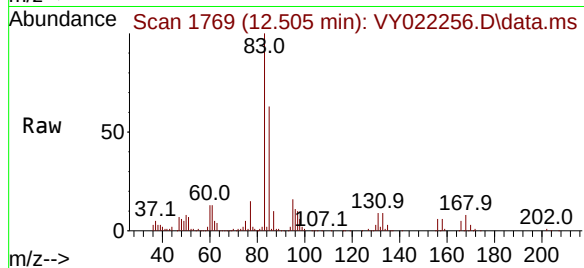
Tgt Ion: 43 Resp: 209097
Ion Ratio Lower Upper
43 100
70 39.2 31.4 47.0
55 21.3 17.0 25.6
61 23.3 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

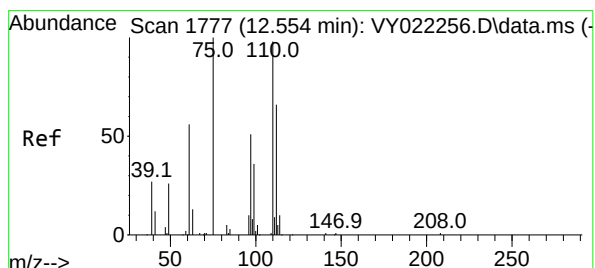
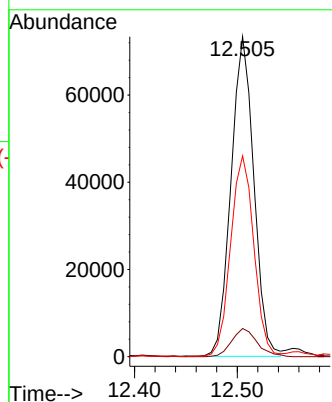
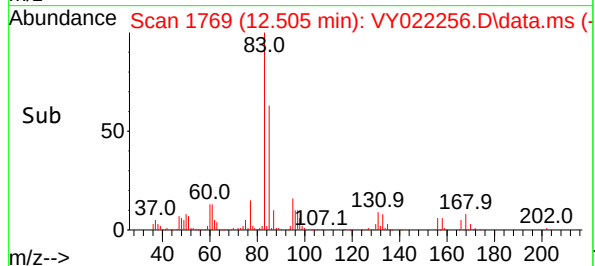
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 113234
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 64.0 32.0 96.0

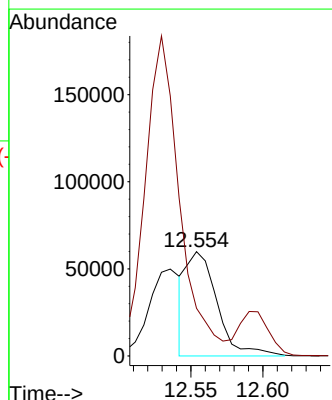
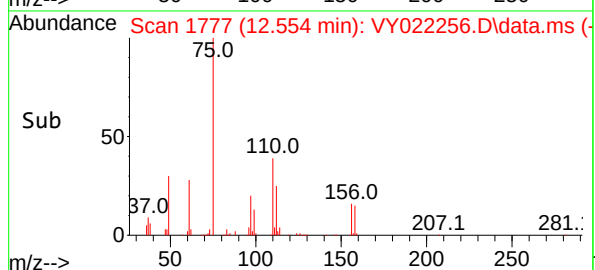
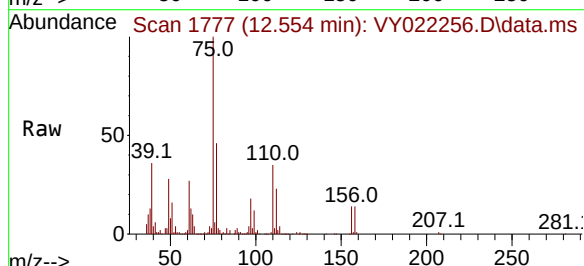
Manual Integrations
APPROVED

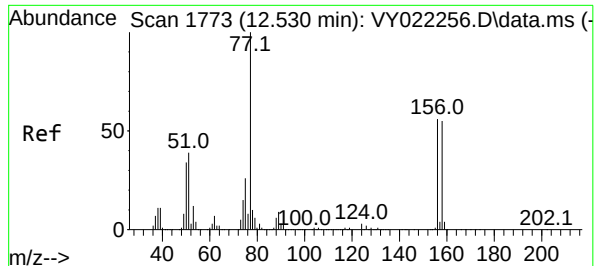
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

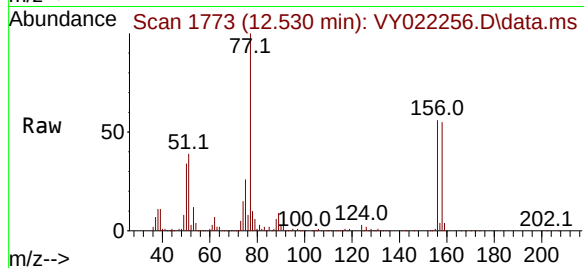
Tgt Ion: 75 Resp: 90281
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 50.599 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

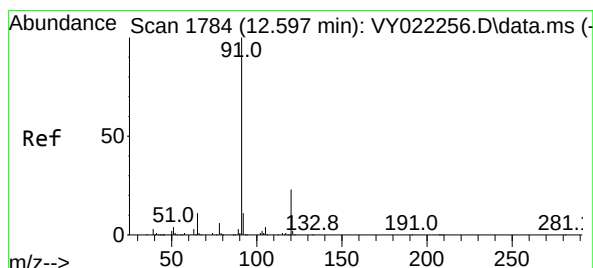
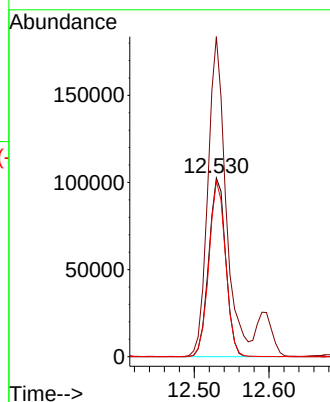
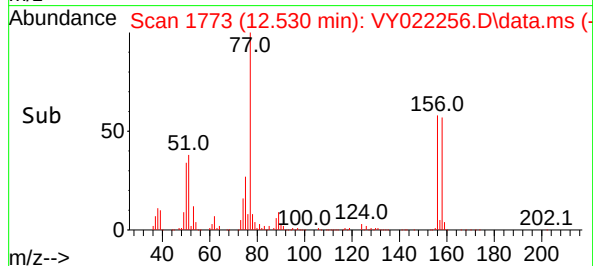
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 161475
Ion Ratio Lower Upper
156 100
77 189.1 94.5 283.6
158 96.9 48.4 145.3

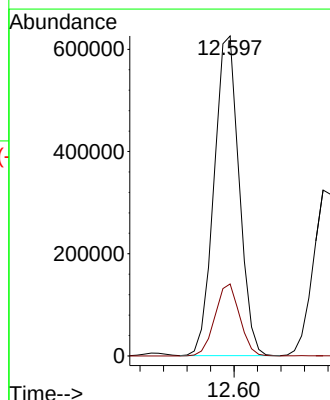
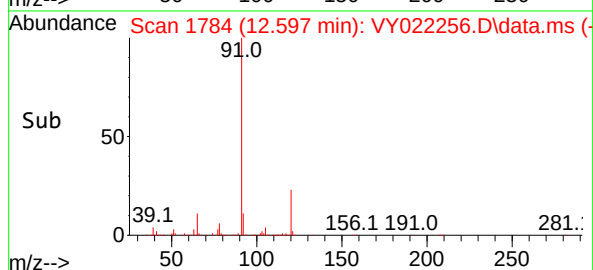
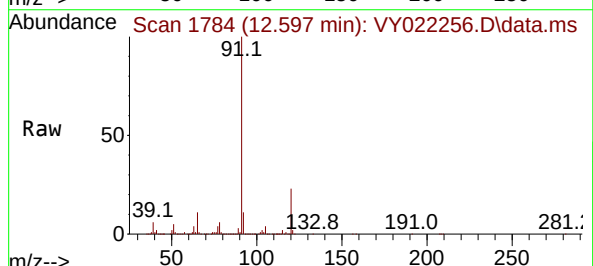
Manual Integrations
APPROVED

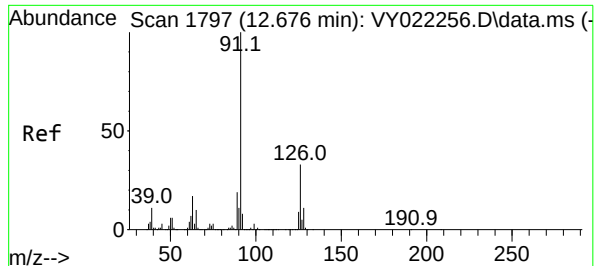
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 51.306 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 924664
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





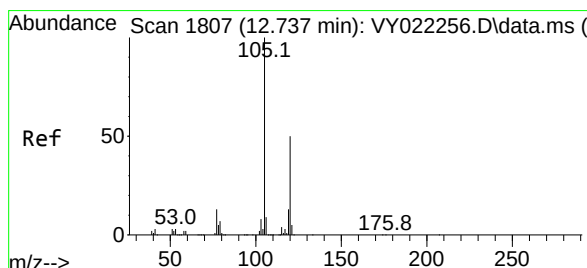
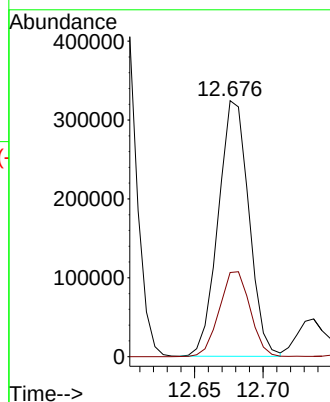
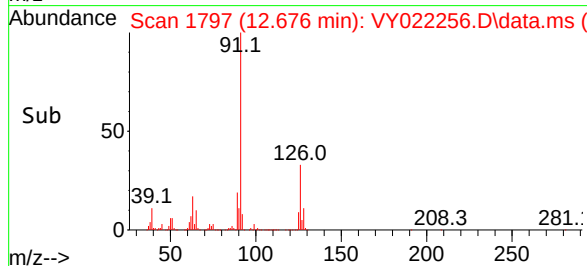
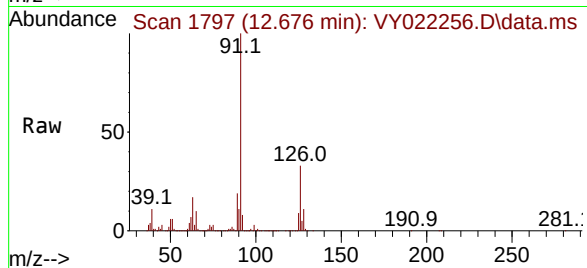
#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 505684
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4

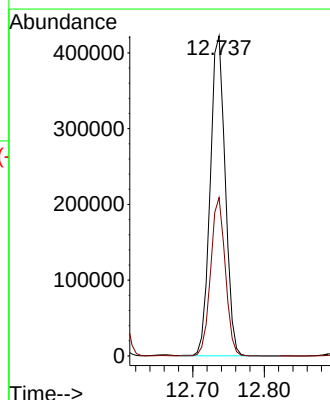
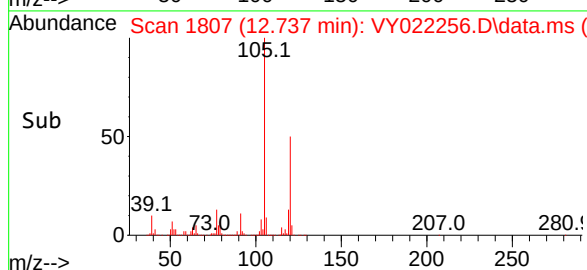
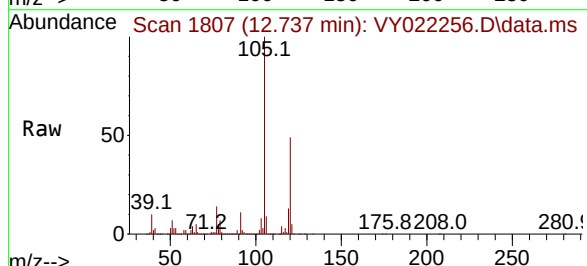
Manual Integrations
APPROVED

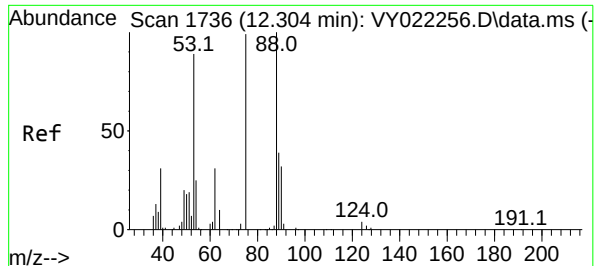
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

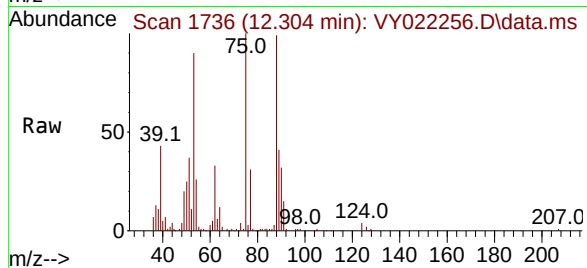
Tgt Ion:105 Resp: 615033
Ion Ratio Lower Upper
105 100
120 48.4 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.331 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

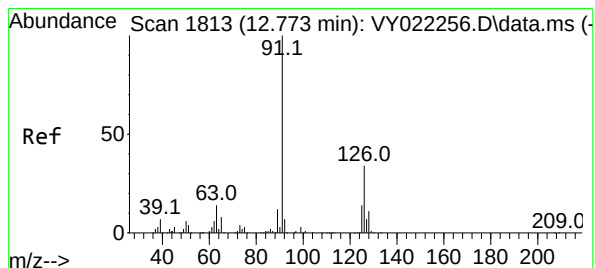
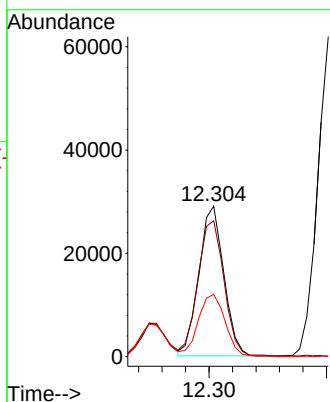
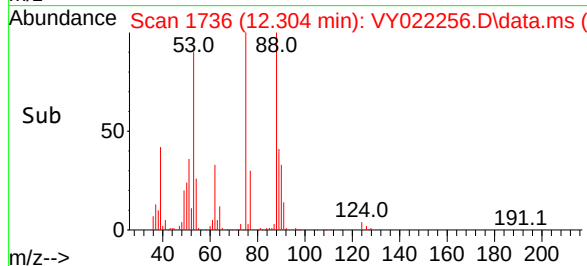
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 42692
Ion Ratio Lower Upper
75 100
53 94.8 75.8 113.8
89 45.2 36.2 54.2

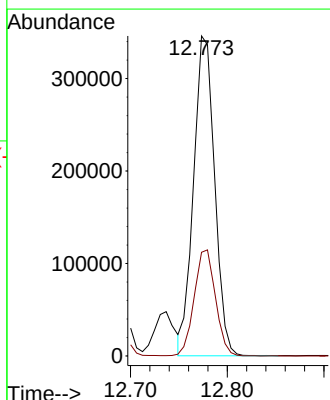
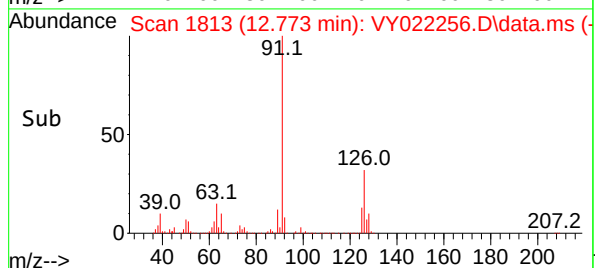
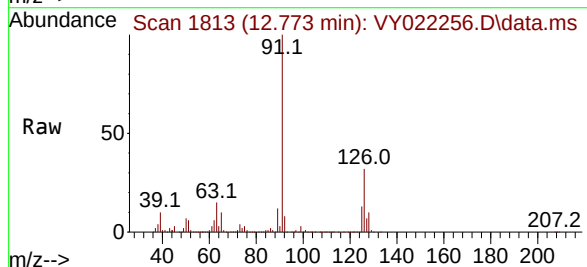
Manual Integrations
APPROVED

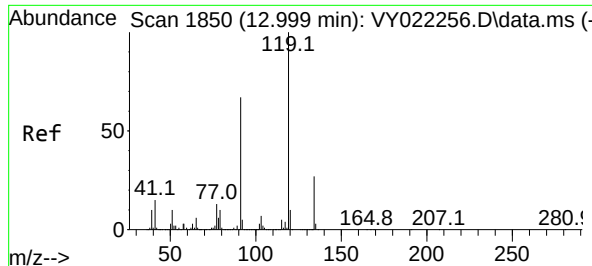
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 51.464 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

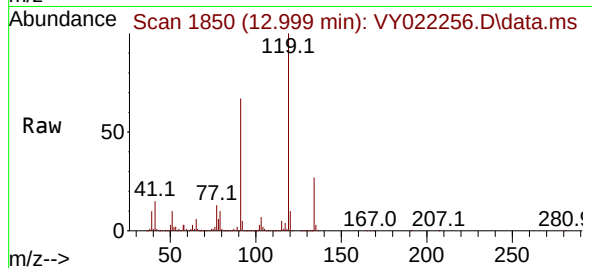
Tgt Ion: 91 Resp: 524270
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4





#83
tert-Butylbenzene
Concen: 50.952 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

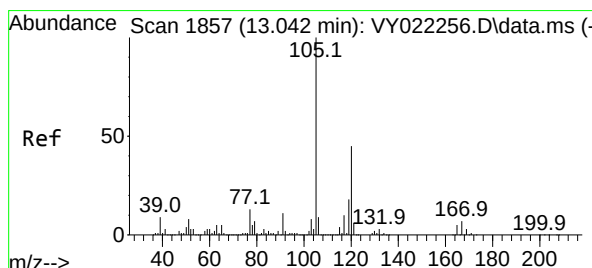
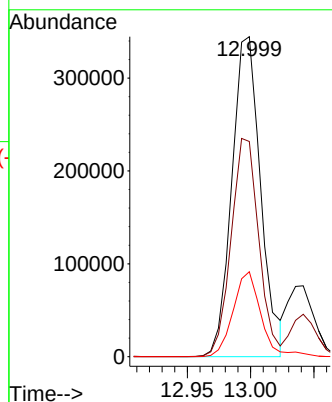
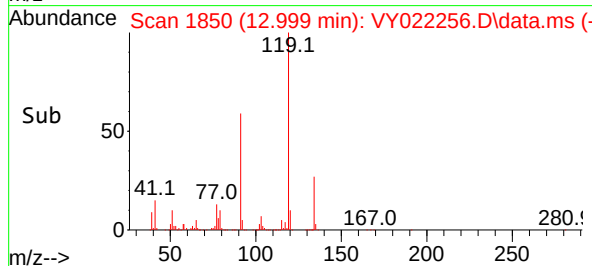
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 54623
Ion Ratio Lower Upper
119 100
91 65.5 32.8 98.3
134 25.7 12.9 38.6

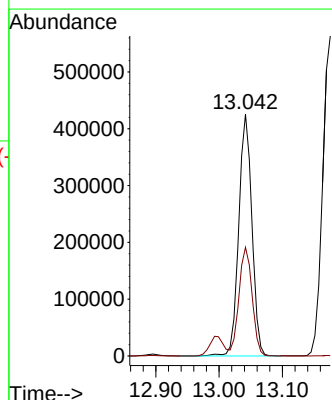
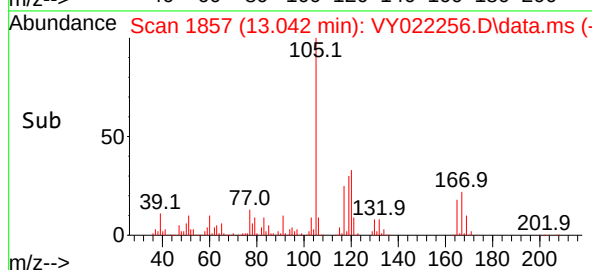
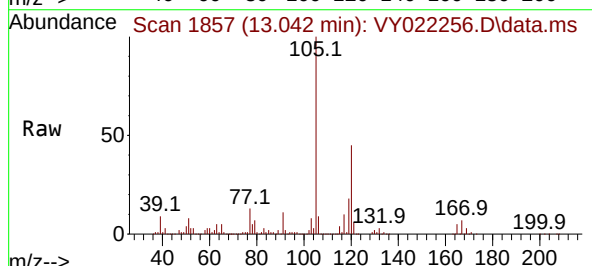
Manual Integrations
APPROVED

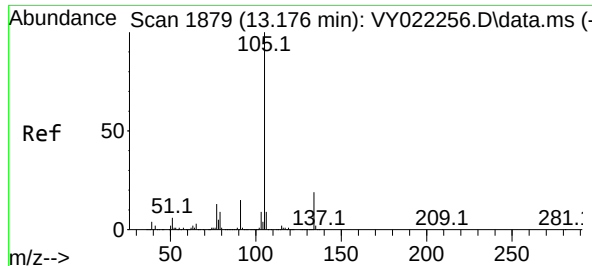
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

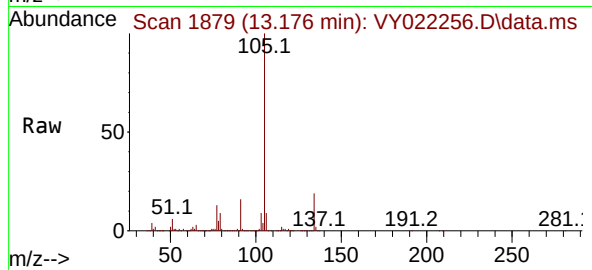
Tgt Ion:105 Resp: 615550
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.9





#85
sec-Butylbenzene
Concen: 51.825 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

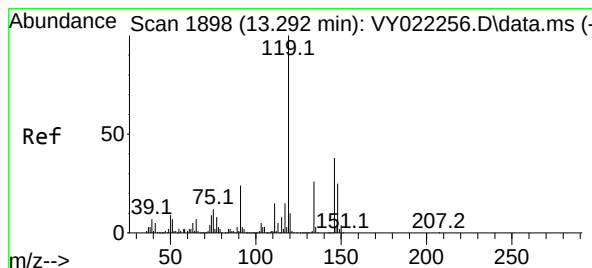
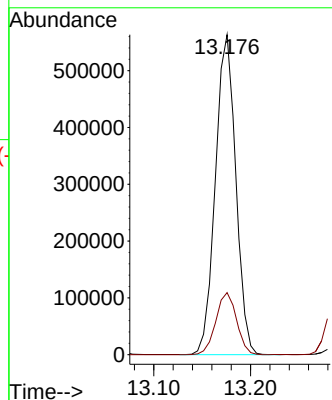
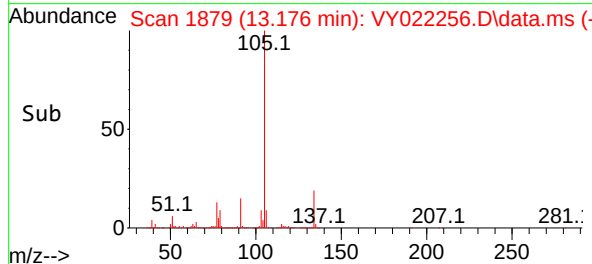
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 824725
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

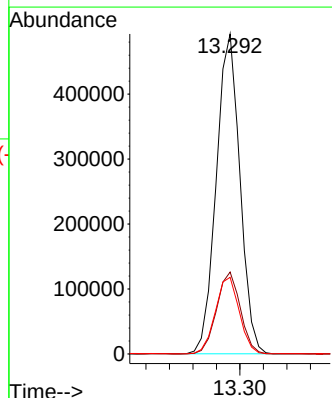
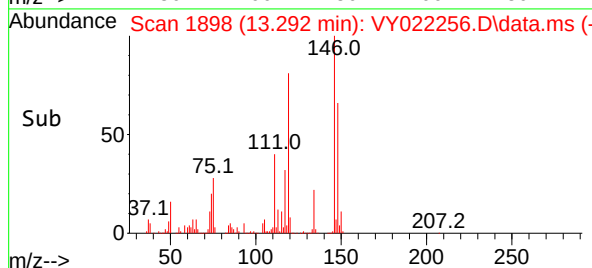
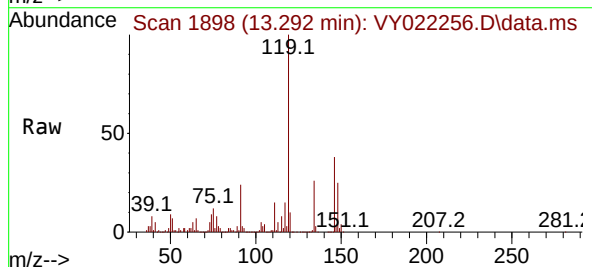
Manual Integrations
APPROVED

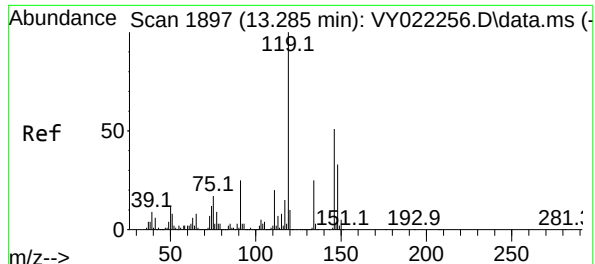
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#86
p-Isopropyltoluene
Concen: 51.446 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 688561
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.6
91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.890 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 331530

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

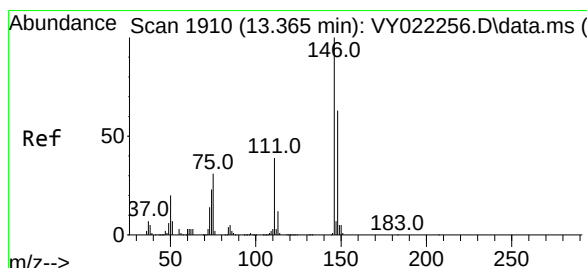
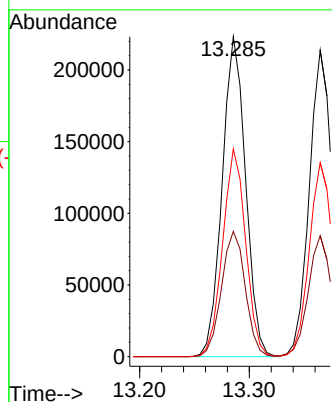
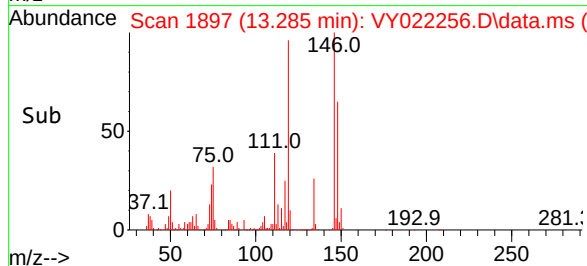
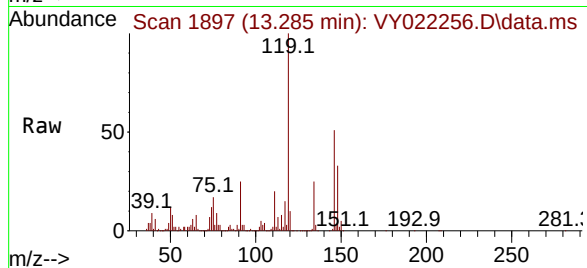
148 63.8 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 50.363 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

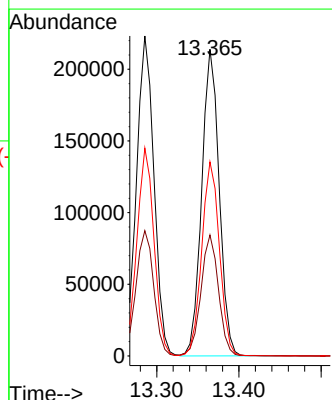
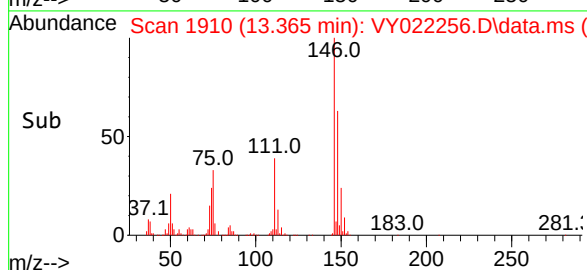
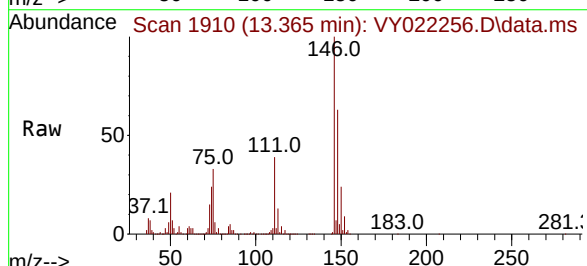
Tgt Ion:146 Resp: 315598

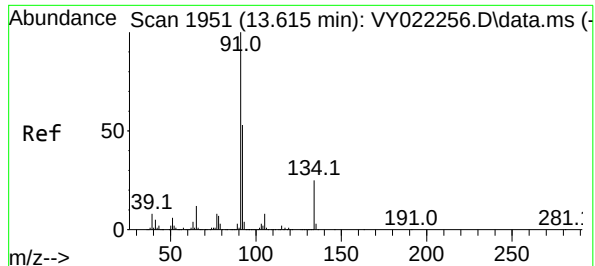
Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 52.245 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022256.D

Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 66153

Ion Ratio Lower Upper

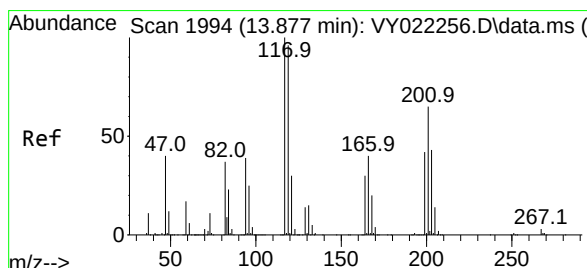
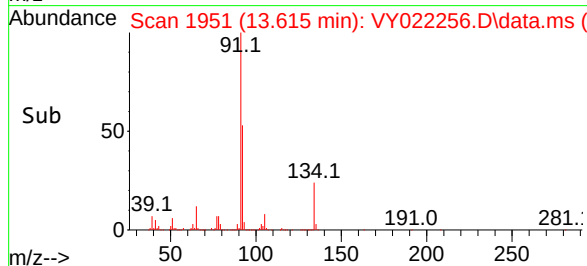
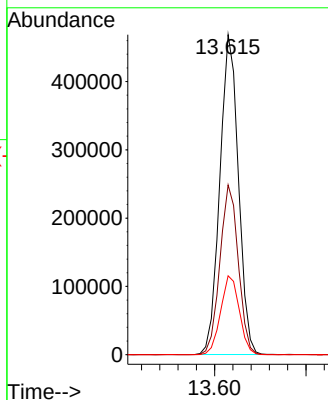
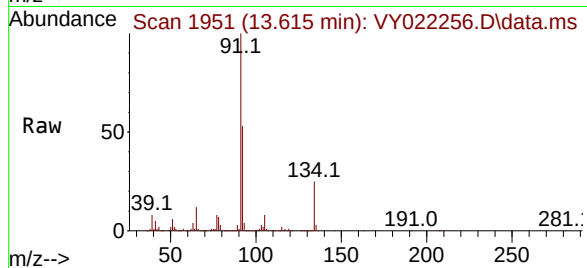
91 100

92 52.6 26.3 78.9

134 24.9 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#90

Hexachloroethane

Concen: 50.791 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY022256.D

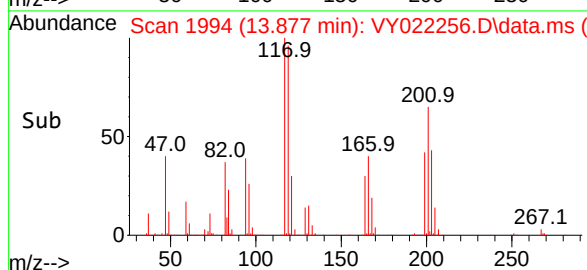
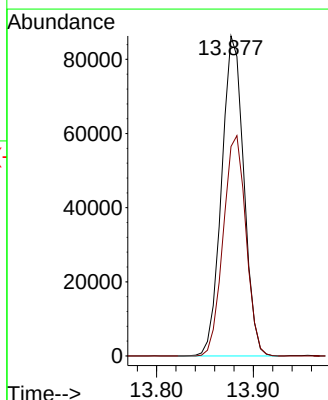
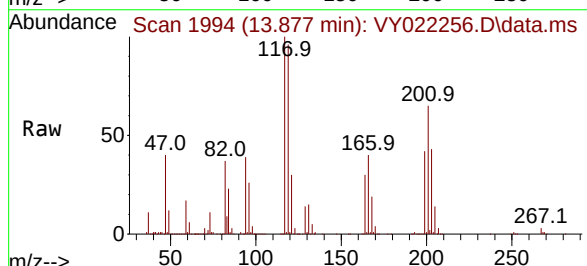
Acq: 15 May 2025 11:02

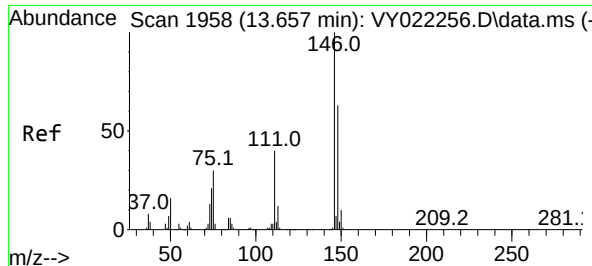
Tgt Ion:117 Resp: 137225

Ion Ratio Lower Upper

117 100

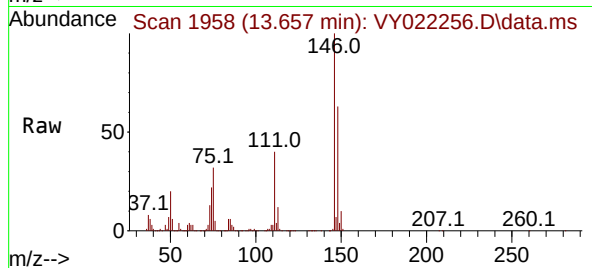
201 70.4 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 50.558 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

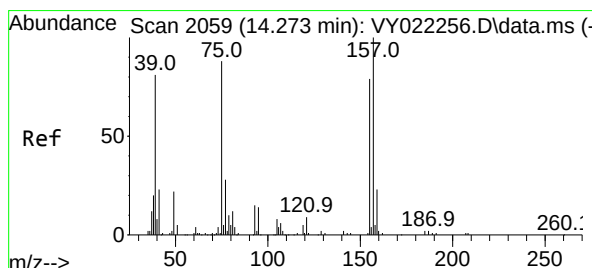
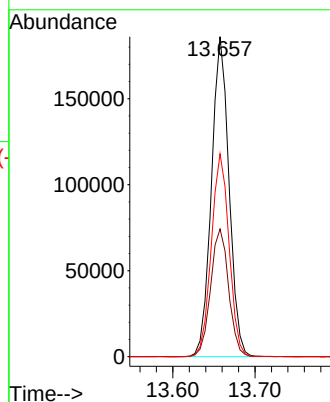
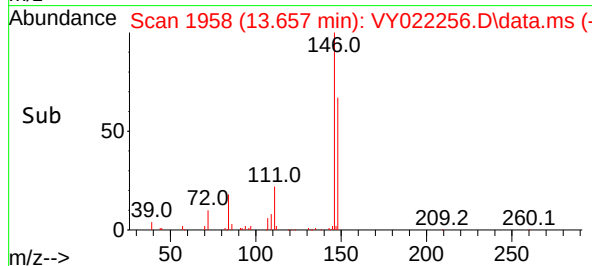
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 276660
Ion Ratio Lower Upper
146 100
111 41.0 20.5 61.5
148 64.0 32.0 96.0

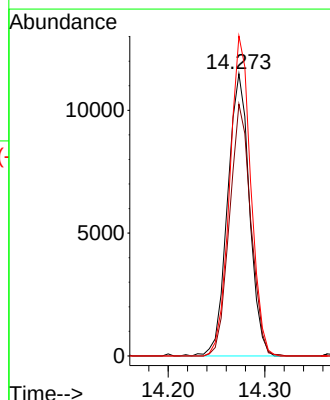
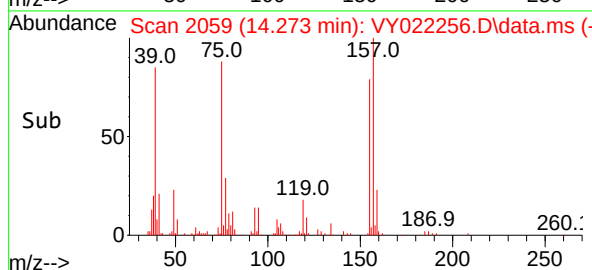
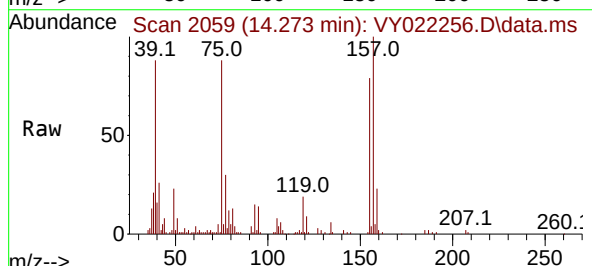
Manual Integrations
APPROVED

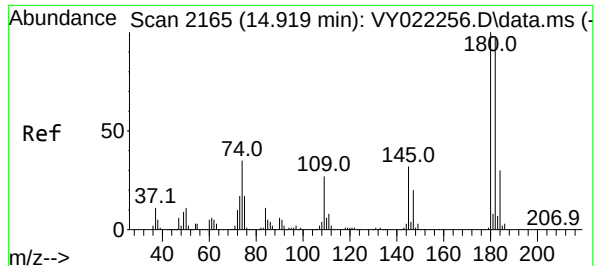
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.682 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 18039
Ion Ratio Lower Upper
75 100
155 86.7 43.4 130.1
157 109.3 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 51.338 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022256.D

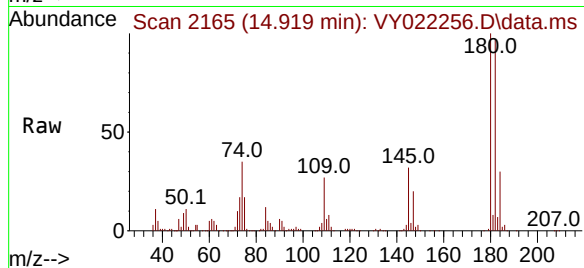
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

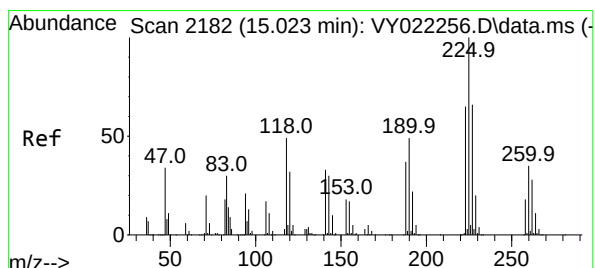
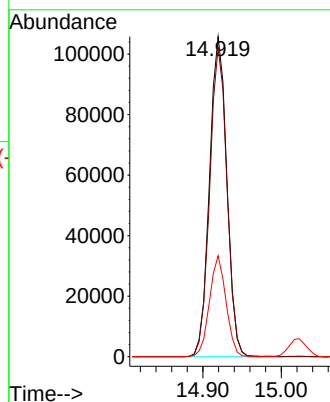
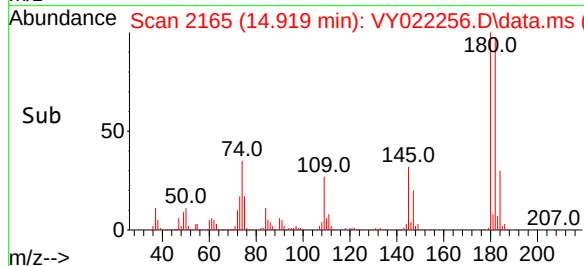


Tgt Ion:	180	Resp:	162275
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

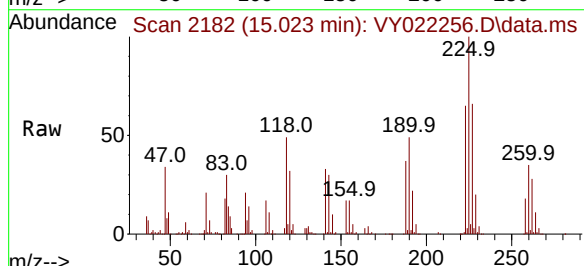
Concen: 51.313 ug/l

RT: 15.023 min Scan# 2182

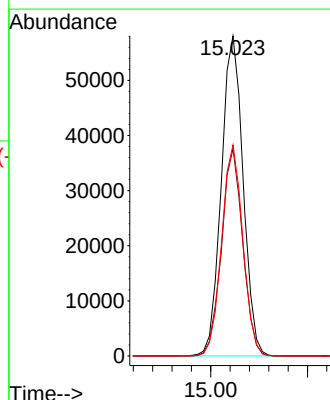
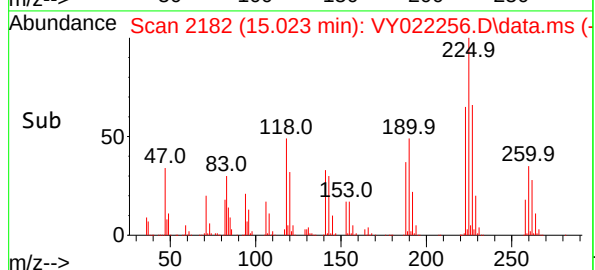
Delta R.T. 0.000 min

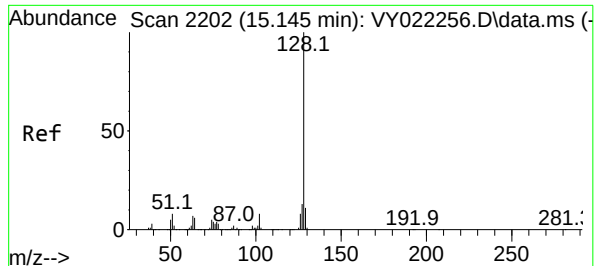
Lab File: VY022256.D

Acq: 15 May 2025 11:02



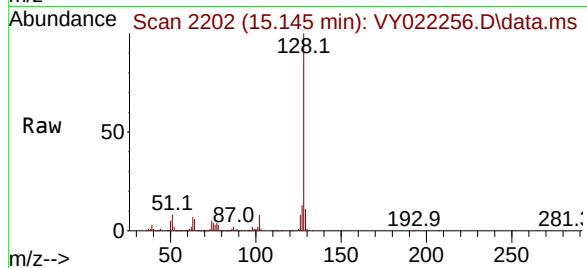
Tgt Ion:	225	Resp:	90452
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3





#95
Naphthalene
Concen: 49.692 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

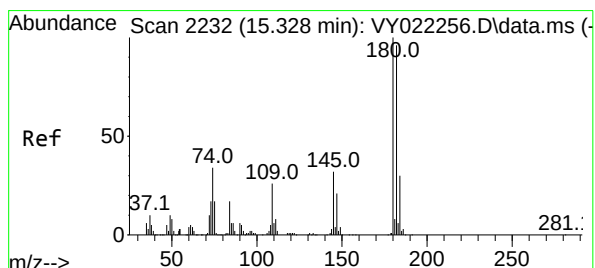
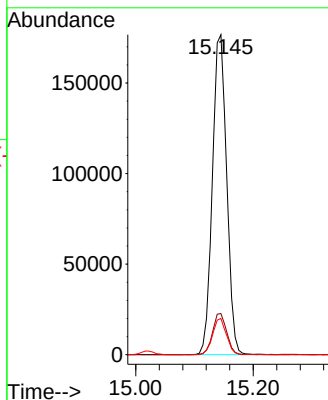
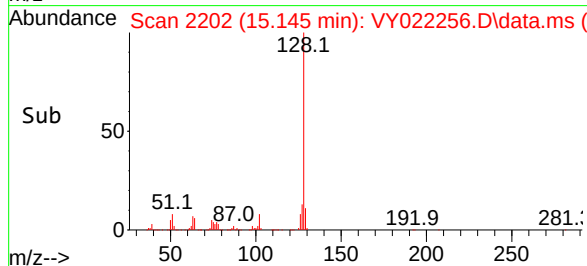
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 298075
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.8 13.2

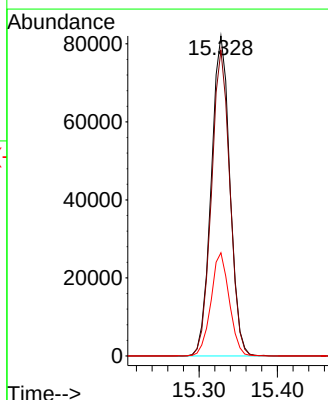
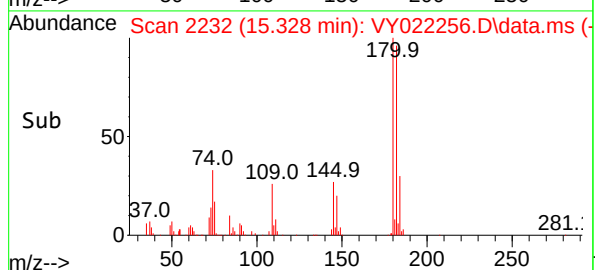
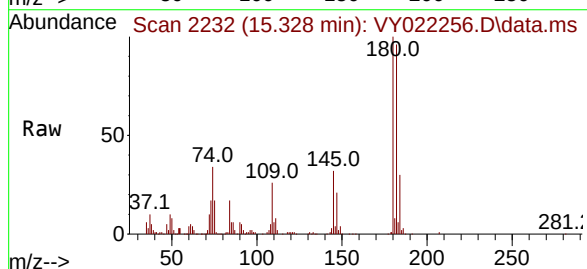
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.596 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:180 Resp: 135673
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 31.7 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022257.D
 Acq On : 15 May 2025 11:24
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	268393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 199.460%#	
35) Dibromofluoromethane	7.634	113	262995	99.389	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 198.780%#	
50) Toluene-d8	10.103	98	1076035	99.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 198.580%#	
62) 4-Bromofluorobenzene	12.408	95	343397	99.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 199.940%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138	ug/l	99
3) Chloromethane	2.062	50	561441	95.302	ug/l	100
4) Vinyl Chloride	2.202	62	639001	97.085	ug/l	96
5) Bromomethane	2.586	94	512452	95.642	ug/l	98
6) Chloroethane	2.732	64	393556	96.113	ug/l	99
7) Trichlorofluoromethane	3.049	101	650265	97.581	ug/l	100
8) Diethyl Ether	3.452	74	158375	99.031	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120	ug/l	99
10) Methyl Iodide	4.000	142	349345	104.334	ug/l	100
11) Tert butyl alcohol	4.872	59	112593	502.655	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798	ug/l	97
13) Acrolein	3.653	56	156649	478.373	ug/l	99
14) Allyl chloride	4.378	41	500514	99.429	ug/l	100
15) Acrylonitrile	5.055	53	340325	516.458	ug/l	99
16) Acetone	3.872	43	252327	458.767	ug/l	99
17) Carbon Disulfide	4.104	76	901081	96.251	ug/l	99
18) Methyl Acetate	4.385	43	185837	111.043	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997	ug/l	98
20) Methylene Chloride	4.610	84	305912	86.076	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288	ug/l	97
22) Diisopropyl ether	6.018	45	1075035	101.128	ug/l	99
23) Vinyl Acetate	5.957	43	3259000	507.456	ug/l	100
24) 1,1-Dichloroethane	5.915	63	586479	98.750	ug/l	99
25) 2-Butanone	6.890	43	467301	507.932	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515990	97.682	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861	ug/l	100
28) Bromochloromethane	7.244	49	251676	99.349	ug/l	100
29) Tetrahydrofuran	7.262	42	312286	527.609	ug/l	100
30) Chloroform	7.421	83	565823	99.326	ug/l	98
31) Cyclohexane	7.701	56	535839	90.301	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995	ug/l	100
36) 1,1-Dichloropropene	7.835	75	429153	98.465	ug/l	99
37) Ethyl Acetate	6.982	43	213152	101.642	ug/l	99
38) Carbon Tetrachloride	7.817	117	451589	100.097	ug/l	98
39) Methylcyclohexane	9.109	83	566259	96.704	ug/l	98
40) Benzene	8.079	78	1313733	101.677	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022257.D
 Acq On : 15 May 2025 11:24
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	131157m	85.474	ug/l	
42) 1,2-Dichloroethane	8.158	62	356974	102.165	ug/l	100
43) Isopropyl Acetate	8.195	43	473430	103.517	ug/l	99
44) Trichloroethene	8.865	130	315543	98.218	ug/l	97
45) 1,2-Dichloropropane	9.140	63	314179	100.858	ug/l	98
46) Dibromomethane	9.231	93	170712	101.606	ug/l	99
47) Bromodichloromethane	9.420	83	446829	102.514	ug/l	99
48) Methyl methacrylate	9.219	41	229512	107.308	ug/l	100
49) 1,4-Dioxane	9.231	88	37780	1990.455	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068	ug/l	100
52) Toluene	10.170	92	839400	102.593	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005	ug/l	99
56) Ethyl methacrylate	10.438	69	353013	105.335	ug/l	98
57) 1,3-Dichloropropane	10.719	76	391514	102.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295	ug/l	99
59) 2-Hexanone	10.761	43	809288	537.872	ug/l	100
60) Dibromochloromethane	10.908	129	292143	104.616	ug/l	99
61) 1,2-Dibromoethane	11.011	107	207266	103.362	ug/l	99
64) Tetrachloroethene	10.646	164	343677	96.489	ug/l	99
65) Chlorobenzene	11.438	112	881086	101.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007	ug/l	99
67) Ethyl Benzene	11.517	91	1674355	102.836	ug/l	99
68) m/p-Xylenes	11.627	106	1271299	207.213	ug/l	100
69) o-Xylene	11.956	106	602390	103.777	ug/l	99
70) Styrene	11.969	104	1028498	105.038	ug/l	100
71) Bromoform	12.133	173	168679	104.561	ug/l #	99
73) Isopropylbenzene	12.255	105	1528857	97.241	ug/l	99
74) N-amyl acetate	12.066	43	468707	104.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	197600m	59.078	ug/l	
77) Bromobenzene	12.529	156	337329	100.456	ug/l	99
78) n-propylbenzene	12.597	91	1846449	97.365	ug/l	100
79) 2-Chlorotoluene	12.676	91	1026401	98.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251	ug/l	98
82) 4-Chlorotoluene	12.779	91	1061772	99.052	ug/l	99
83) tert-Butylbenzene	12.999	119	1092617	96.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297	ug/l	100
85) sec-Butylbenzene	13.176	105	1634720	97.623	ug/l	100
86) p-Isopropyltoluene	13.291	119	1424684	101.161	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199	ug/l	99
89) n-Butylbenzene	13.615	91	1310061	98.327	ug/l	99
90) Hexachloroethane	13.877	117	275652	96.961	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107	ug/l	100
94) Hexachlorobutadiene	15.023	225	180060	97.075	ug/l	100
95) Naphthalene	15.145	128	674950	106.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

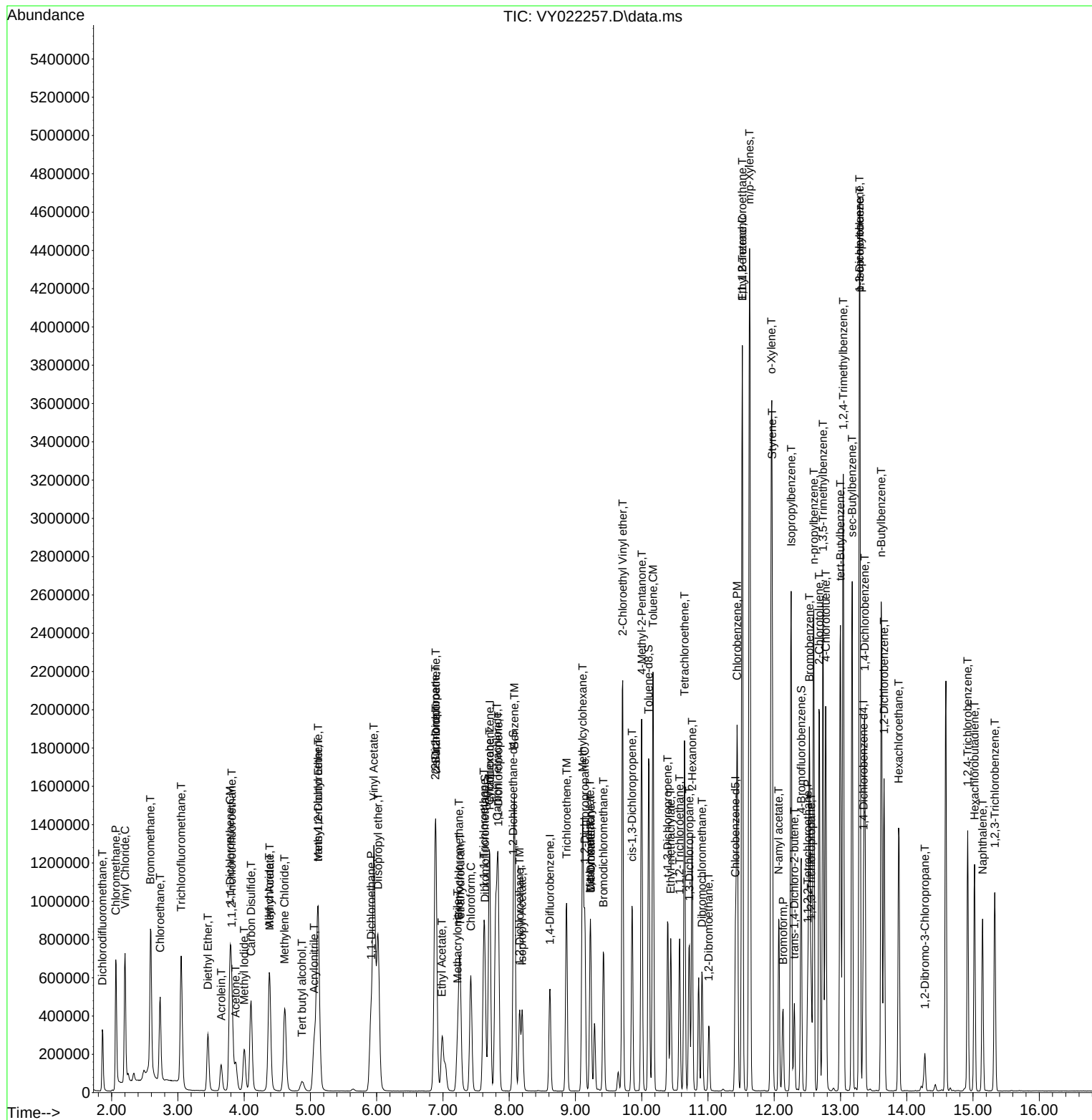
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDIC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

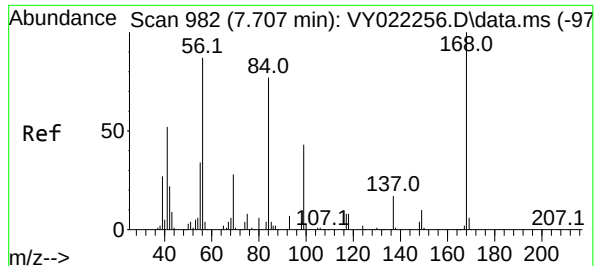
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

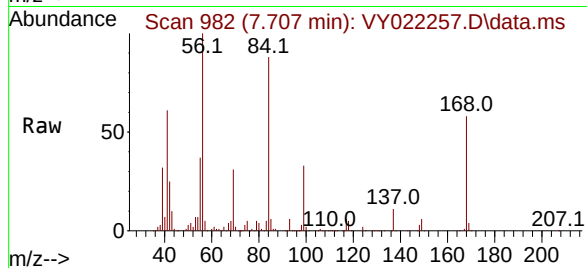
Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

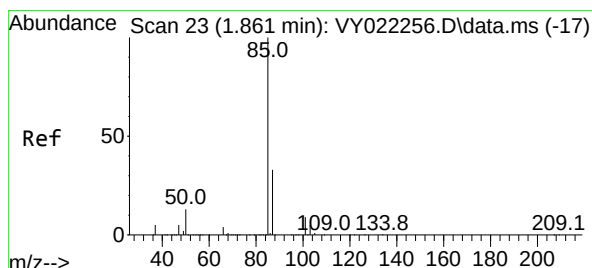
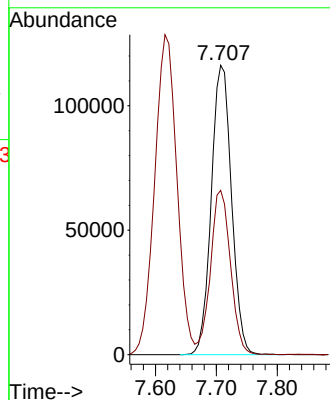
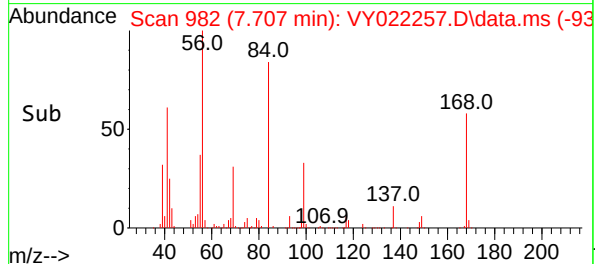
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 168 Resp: 26839
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4

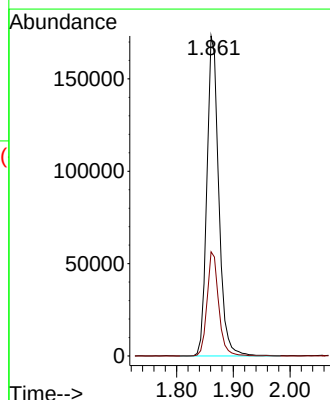
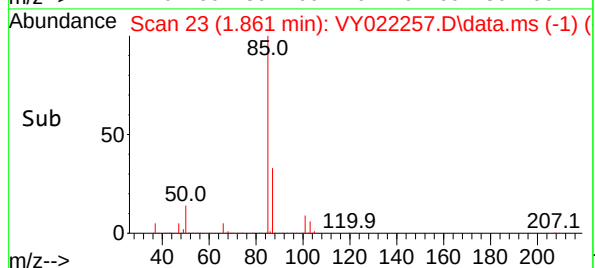
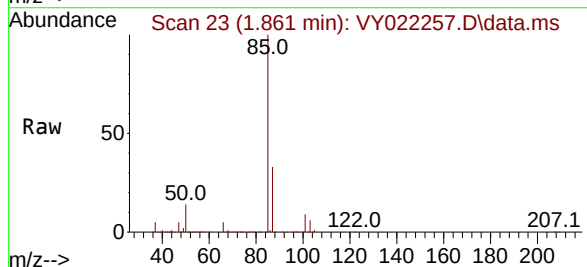
Manual Integrations
APPROVED

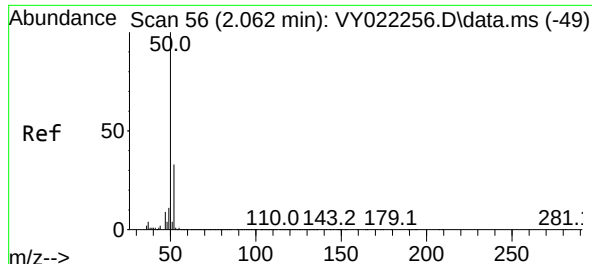
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 90.138 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

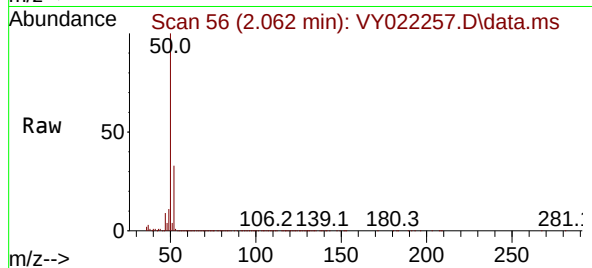
Tgt Ion: 85 Resp: 252438
Ion Ratio Lower Upper
85 100
87 32.6 16.5 49.5





#3
Chloromethane
Concen: 95.302 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

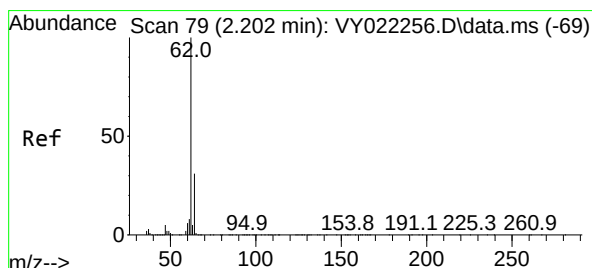
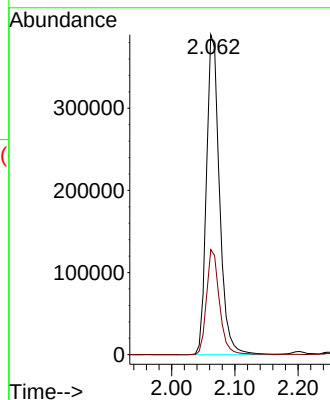
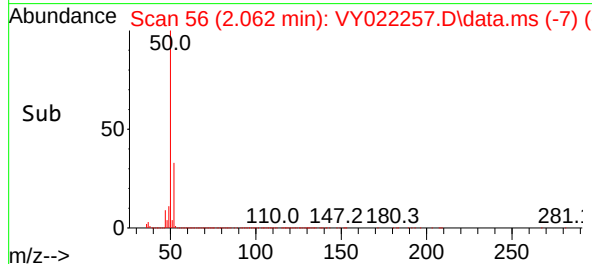
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 56144
Ion Ratio Lower Upper
50 100
52 32.9 26.5 39.7

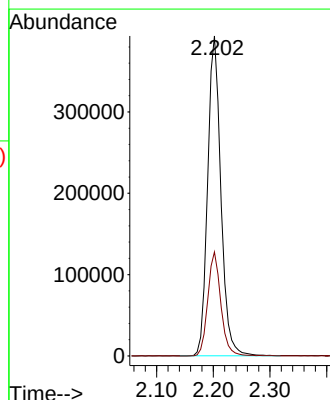
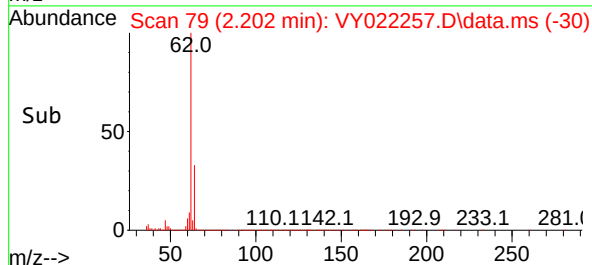
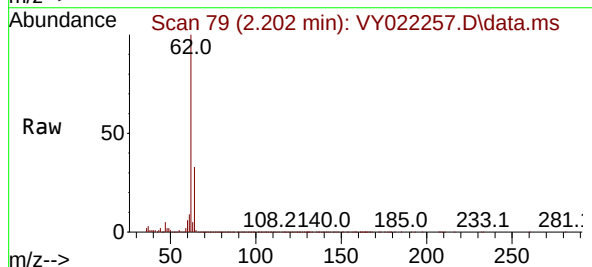
Manual Integrations
APPROVED

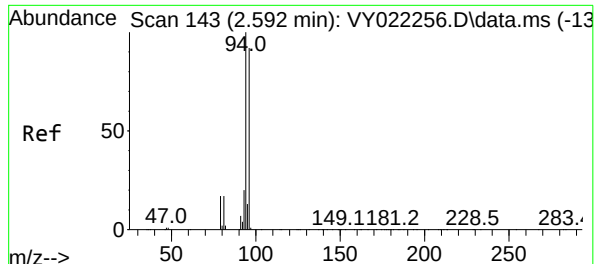
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 97.085 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 639001
Ion Ratio Lower Upper
62 100
64 32.5 24.5 36.7





#5

Bromomethane

Concen: 95.642 ug/l

RT: 2.586 min Scan# 14

Delta R.T. -0.006 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 512452

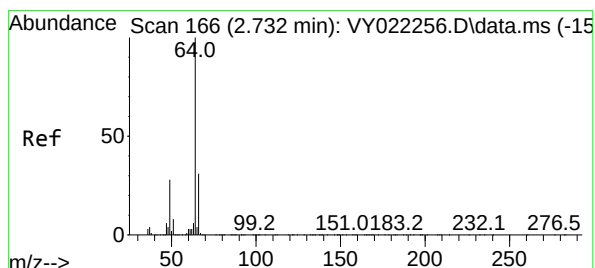
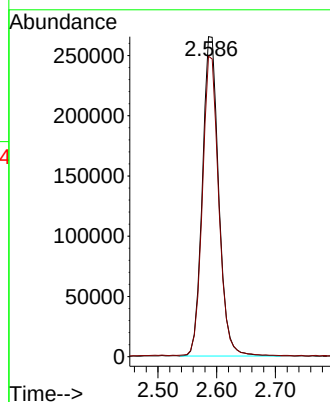
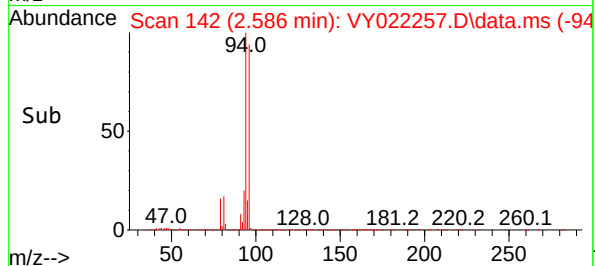
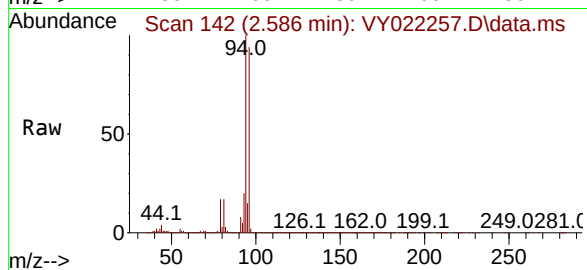
Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#6

Chloroethane

Concen: 96.113 ug/l

RT: 2.732 min Scan# 166

Delta R.T. -0.000 min

Lab File: VY022257.D

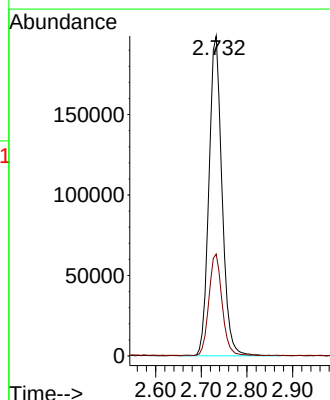
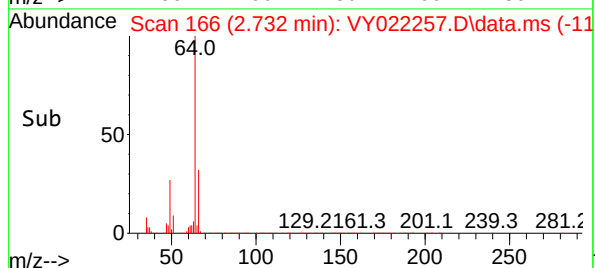
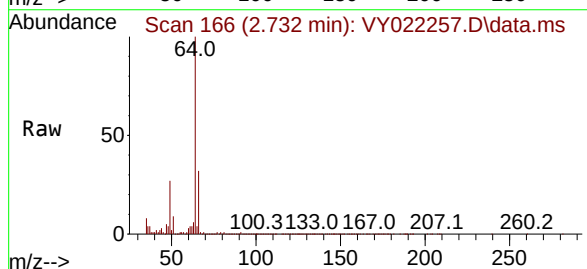
Acq: 15 May 2025 11:24

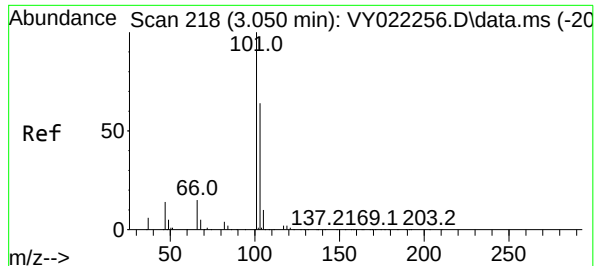
Tgt Ion: 64 Resp: 393556

Ion Ratio Lower Upper

64 100

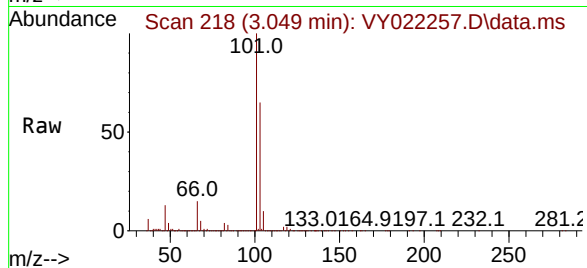
66 31.7 24.8 37.2





#7
Trichlorofluoromethane
Concen: 97.581 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

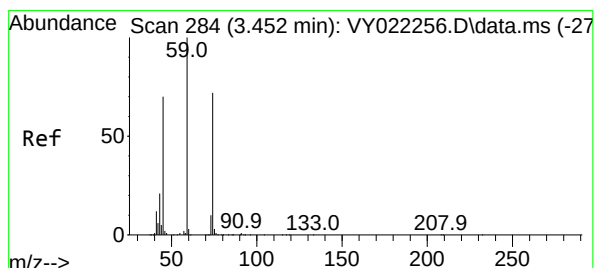
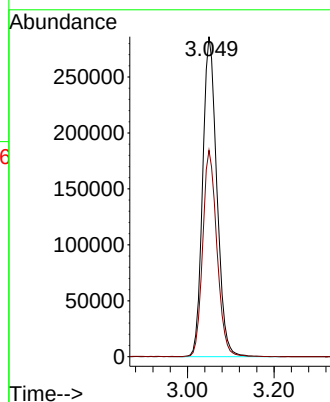
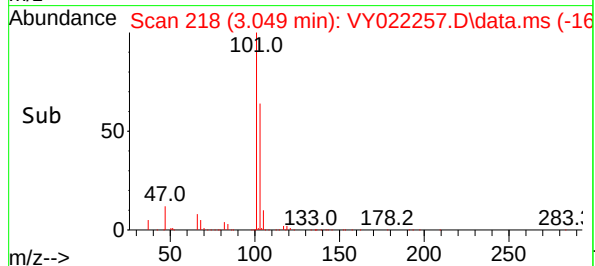
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 65026
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

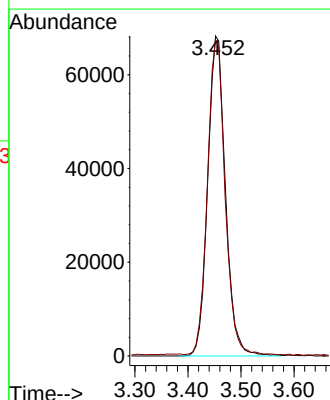
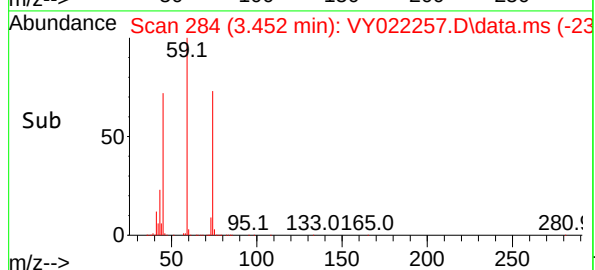
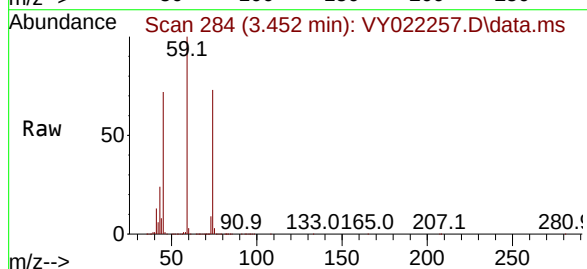
Manual Integrations
APPROVED

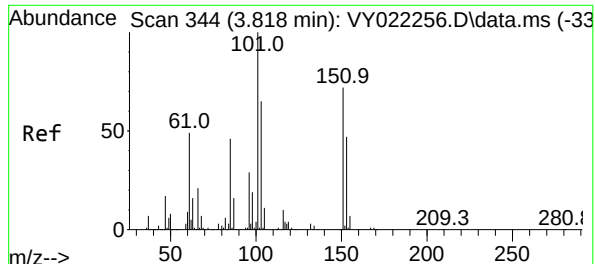
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 99.031 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 74 Resp: 158375
Ion Ratio Lower Upper
74 100
45 97.9 48.6 145.8





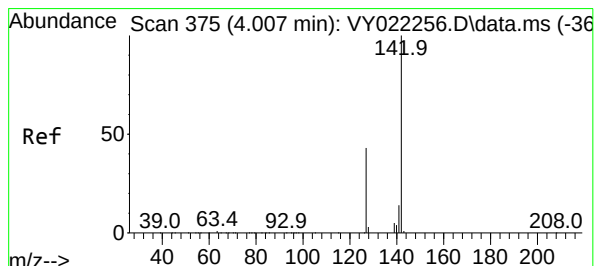
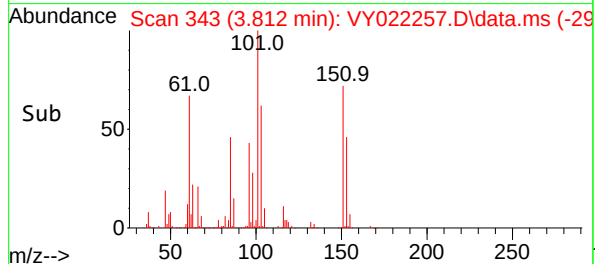
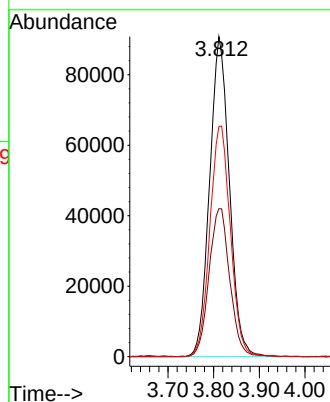
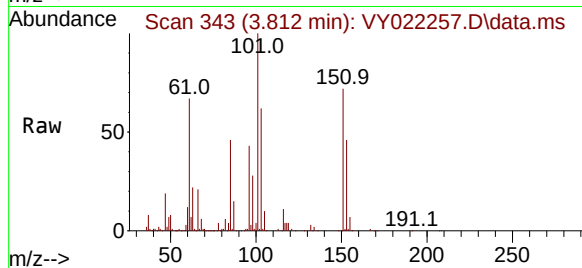
#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.120 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 27228
Ion Ratio Lower Upper
101 100
85 48.8 38.6 58.0
151 75.3 59.7 89.5

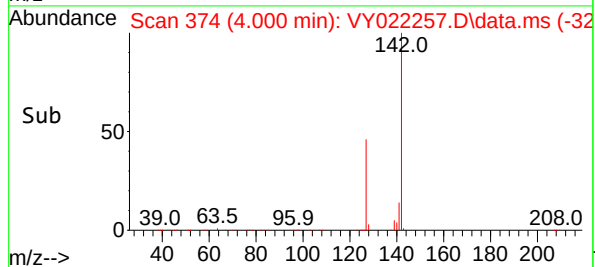
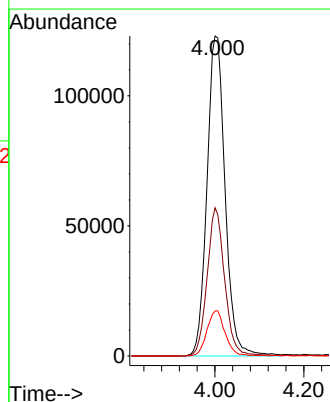
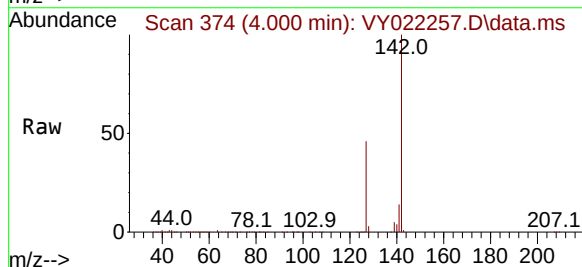
Manual Integrations
APPROVED

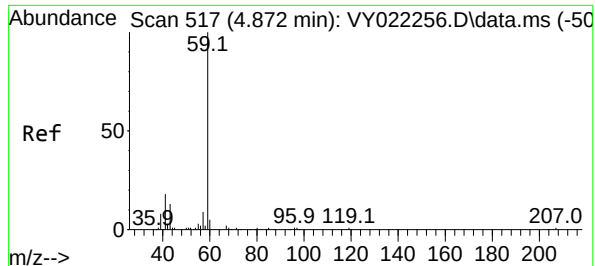
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 104.334 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:142 Resp: 349345
Ion Ratio Lower Upper
142 100
127 44.8 35.7 53.5
141 14.1 11.1 16.7





#11

Tert butyl alcohol

Concen: 502.655 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 11259

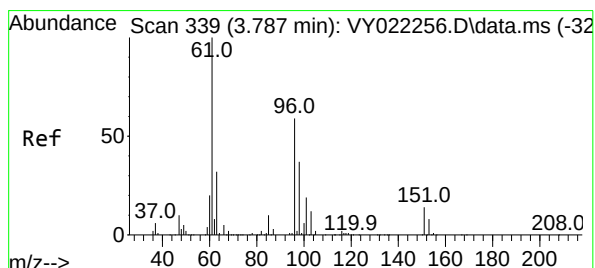
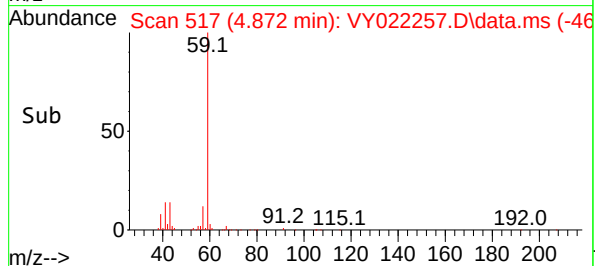
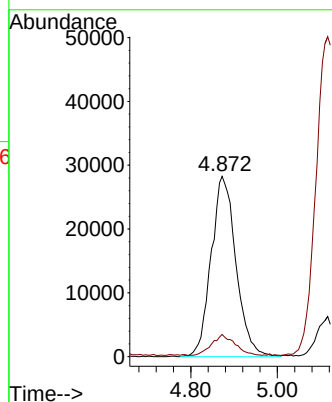
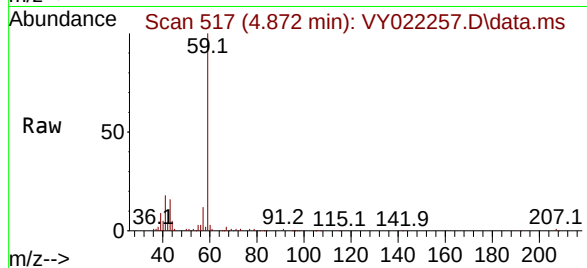
Ion Ratio Lower Upper

59 100

57 10.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 96.798 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

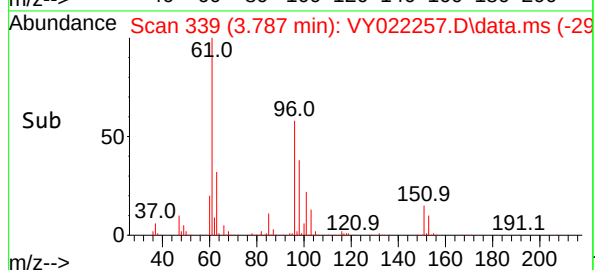
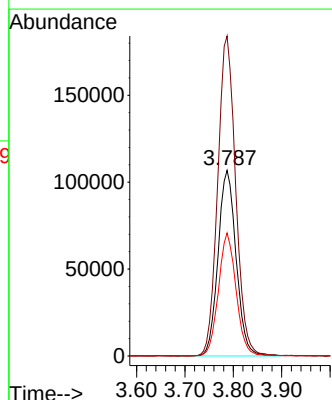
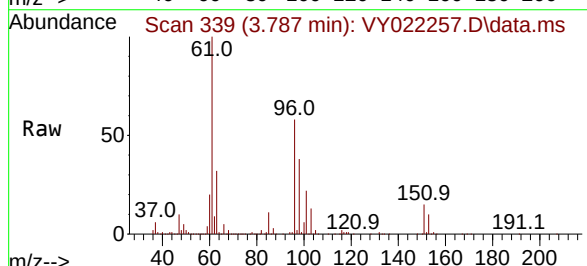
Tgt Ion: 96 Resp: 277897

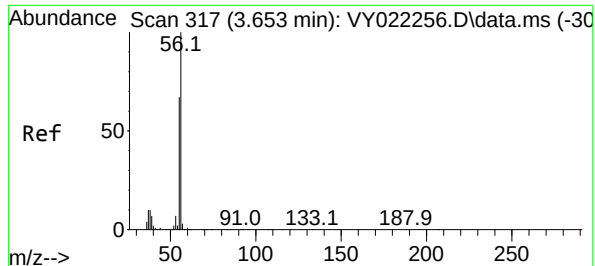
Ion Ratio Lower Upper

96 100

61 172.4 134.9 202.3

98 66.2 49.9 74.9





#13

Acrolein

Concen: 478.373 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 156649

Ion Ratio Lower Upper

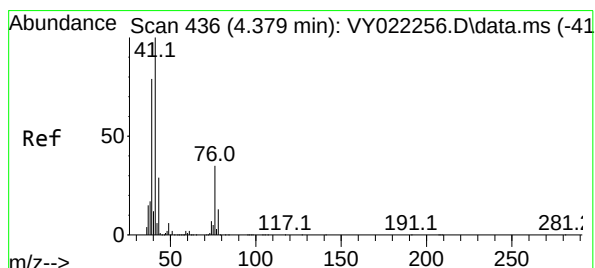
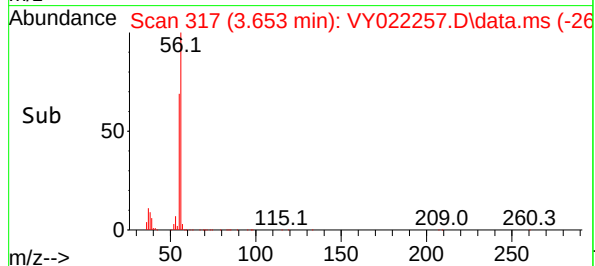
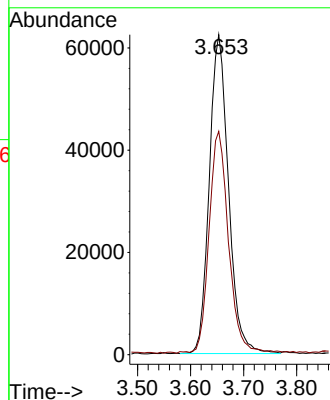
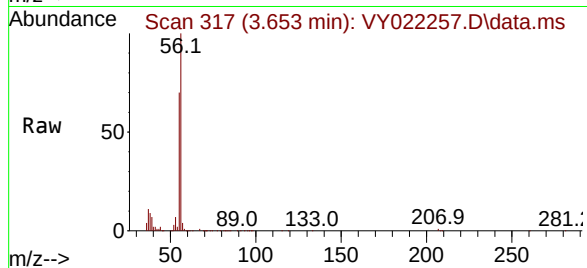
56 100

55 70.4 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 99.429 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

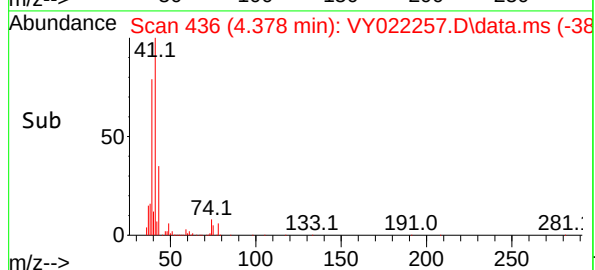
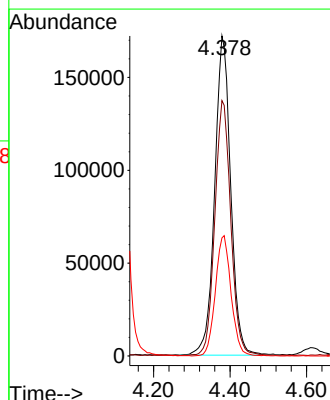
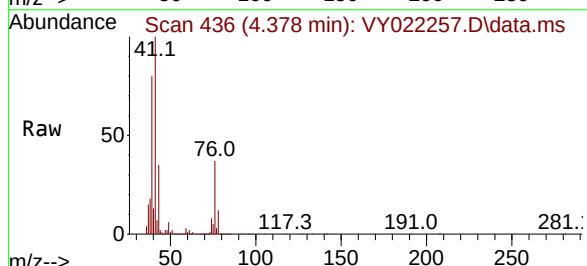
Tgt Ion: 41 Resp: 500514

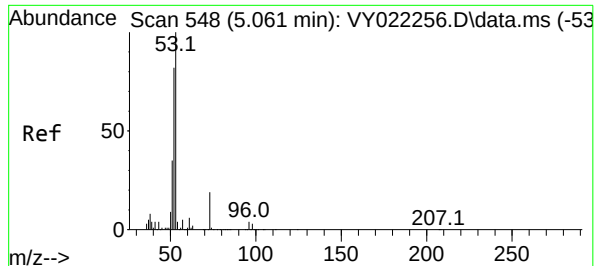
Ion Ratio Lower Upper

41 100

39 79.4 63.4 95.0

76 36.9 29.5 44.3





#15

Acrylonitrile

Concen: 516.458 ug/l

RT: 5.055 min Scan# 548

Delta R.T. -0.006 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 340329

Ion Ratio Lower Upper

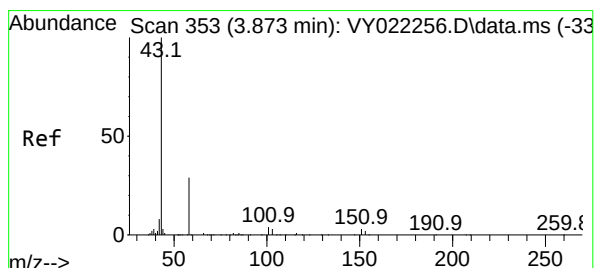
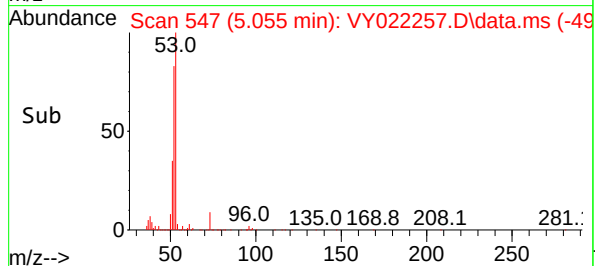
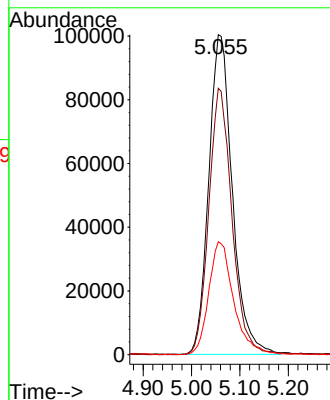
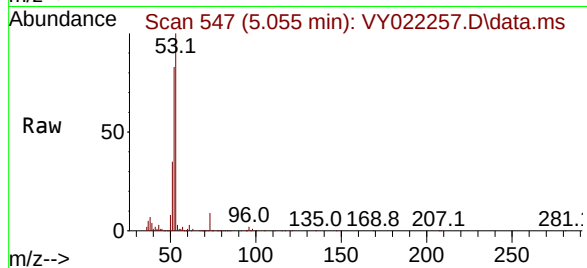
53 100

52 81.9 66.1 99.1

51 37.4 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#16

Acetone

Concen: 458.767 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.000 min

Lab File: VY022257.D

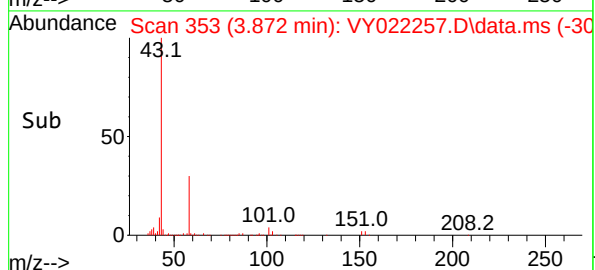
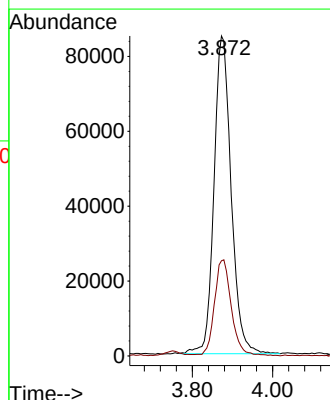
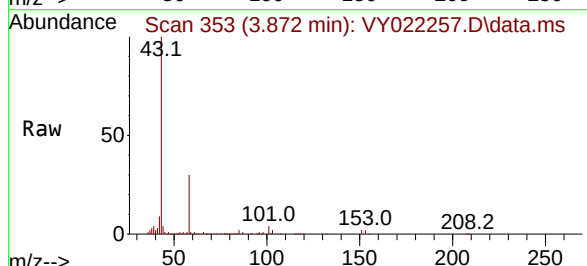
Acq: 15 May 2025 11:24

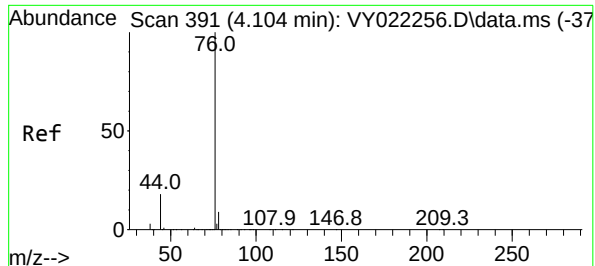
Tgt Ion: 43 Resp: 252327

Ion Ratio Lower Upper

43 100

58 29.9 23.6 35.4





#17

Carbon Disulfide

Concen: 96.251 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 90108

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

Instrument :

MSVOA_Y

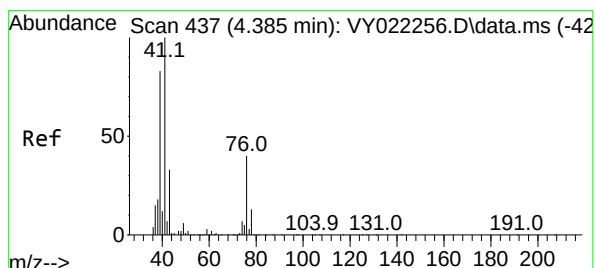
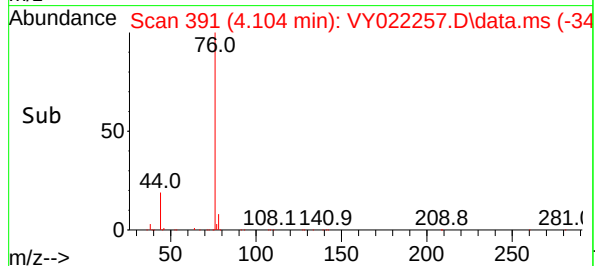
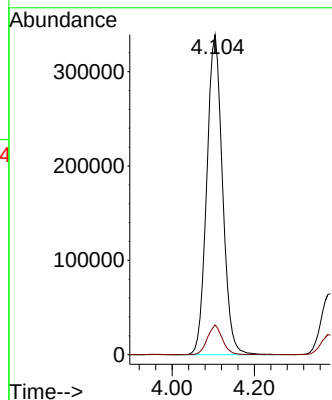
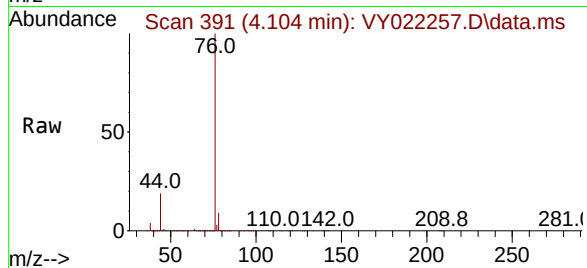
ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18

Methyl Acetate

Concen: 111.043 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY022257.D

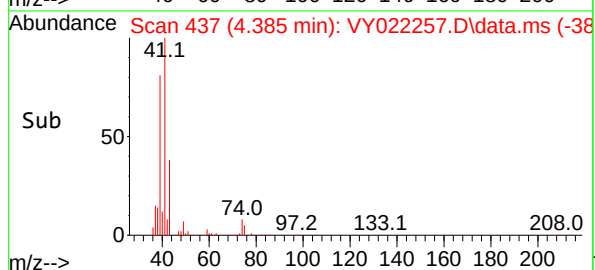
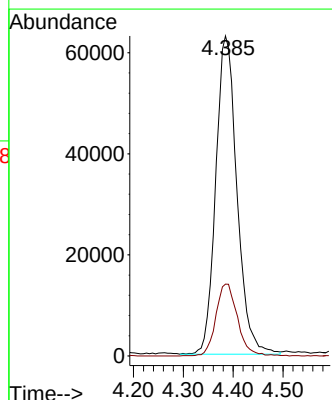
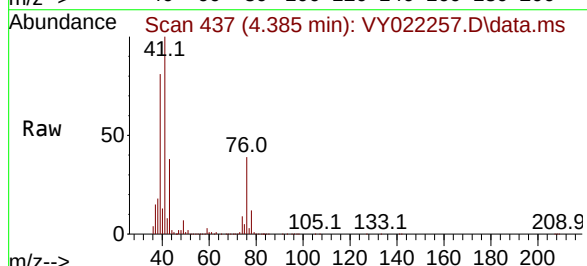
Acq: 15 May 2025 11:24

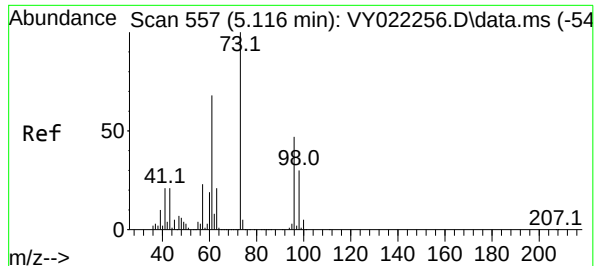
Tgt Ion: 43 Resp: 185837

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 101.997 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 807404

Ion Ratio Lower Upper

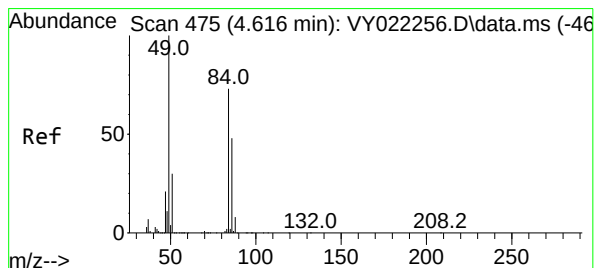
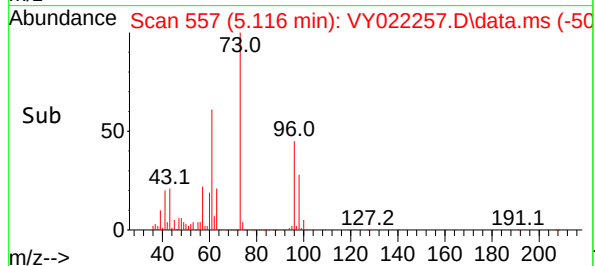
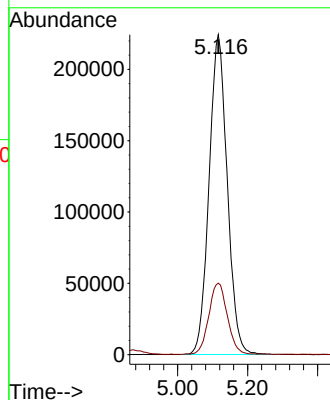
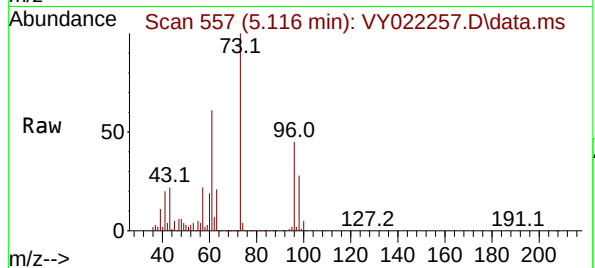
73 100

57 22.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#20

Methylene Chloride

Concen: 86.076 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Tgt Ion: 84 Resp: 305912

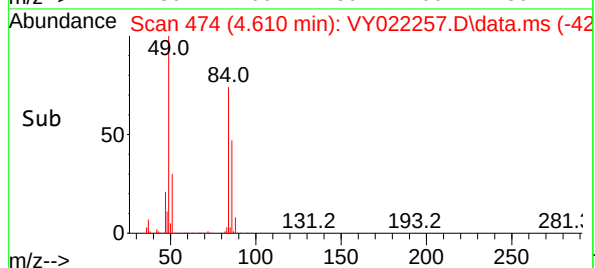
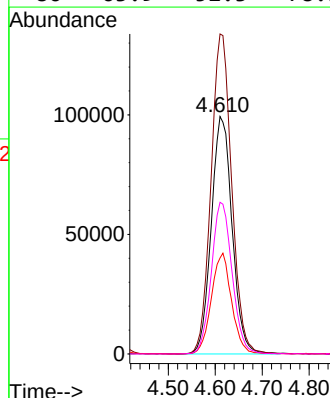
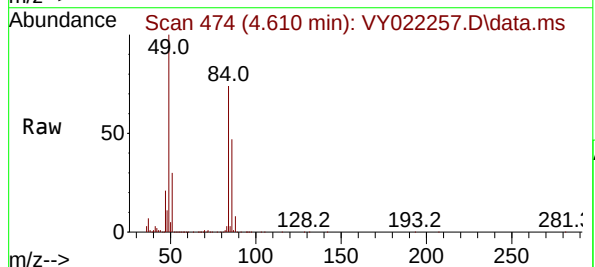
Ion Ratio Lower Upper

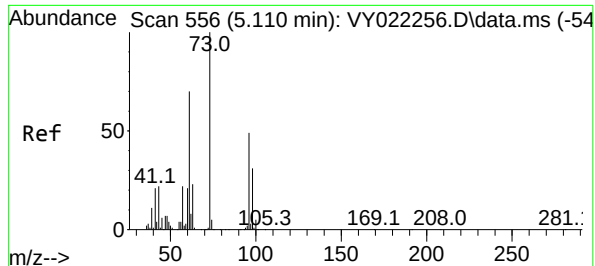
84 100

49 134.8 109.6 164.4

51 40.3 32.4 48.6

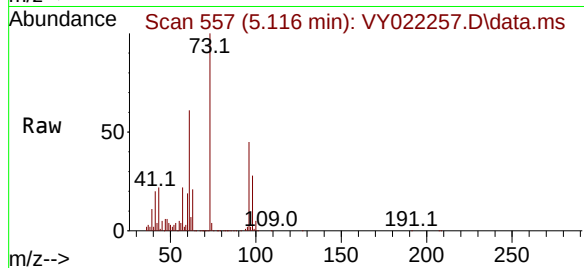
86 63.9 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 98.288 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

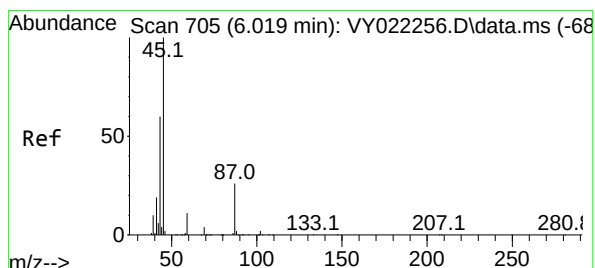
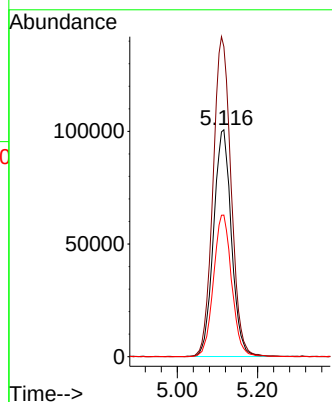
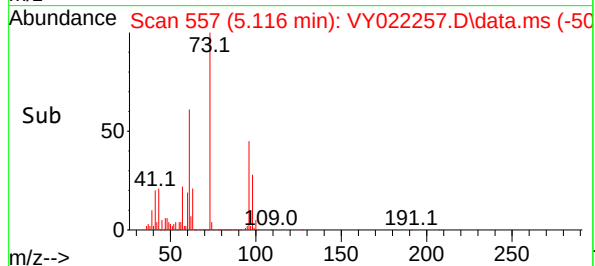
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 311460
Ion Ratio Lower Upper
96 100
61 136.7 113.4 170.0
98 62.4 50.9 76.3

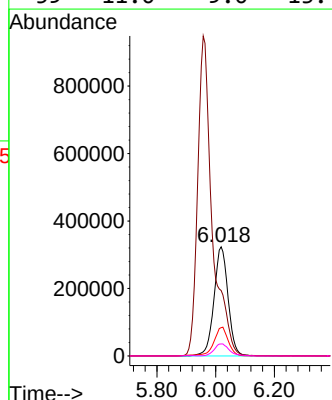
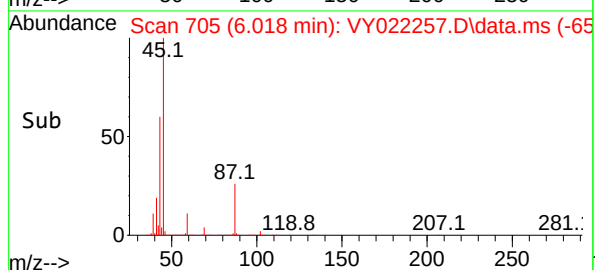
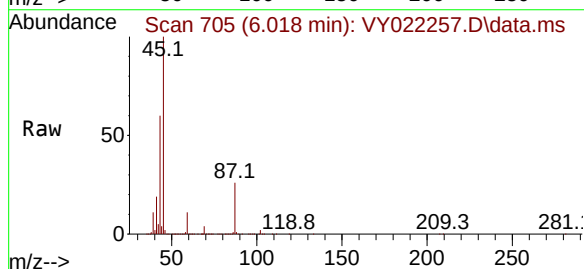
Manual Integrations
APPROVED

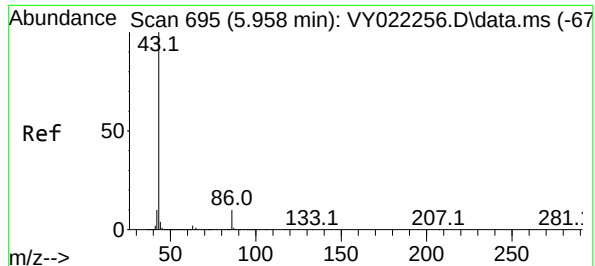
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 101.128 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 45 Resp: 1075035
Ion Ratio Lower Upper
45 100
43 59.8 48.2 72.2
87 25.9 21.4 32.0
59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 507.456 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 3259000

Ion Ratio Lower Upper

43 100

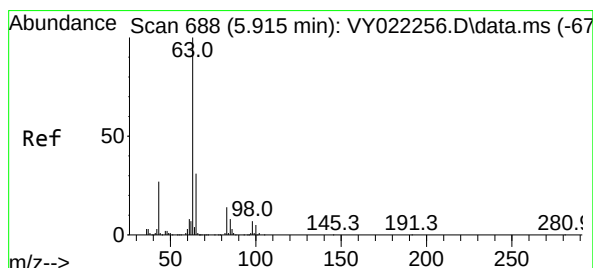
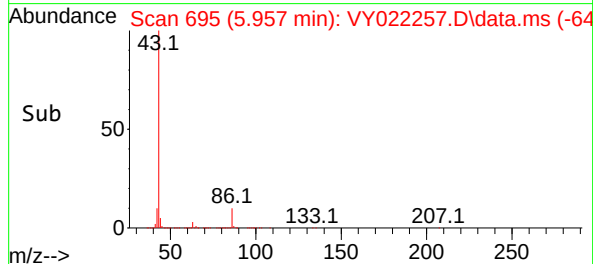
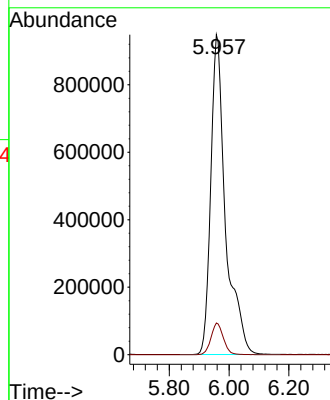
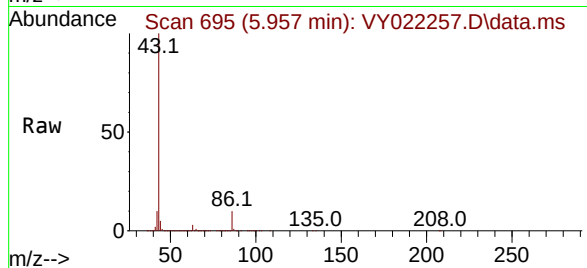
86 9.9

7.8

11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#24

1,1-Dichloroethane

Concen: 98.750 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 586479

Ion Ratio Lower Upper

63 100

98 6.7

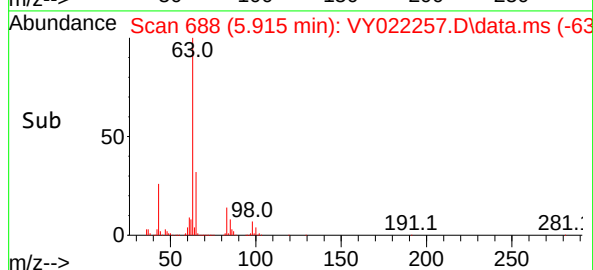
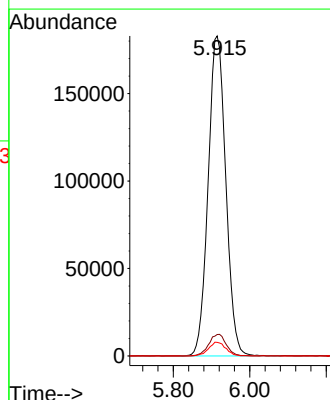
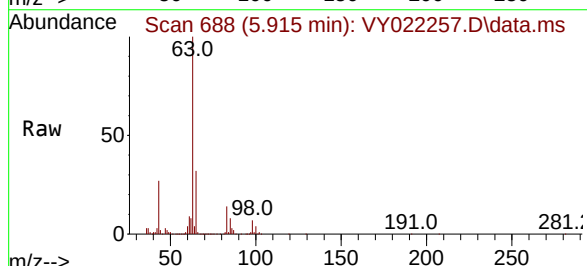
3.5

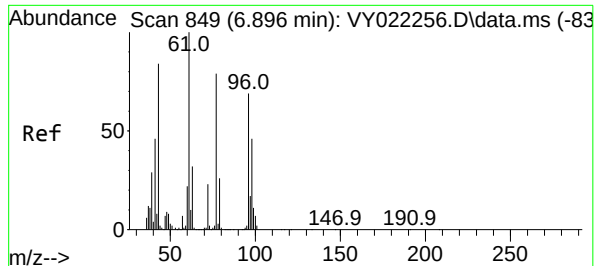
10.5

100 4.2

2.4

7.2





#25

2-Butanone

Concen: 507.932 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 46730

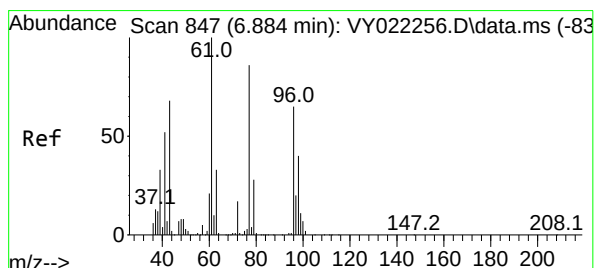
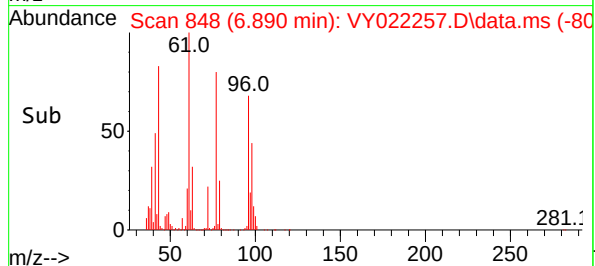
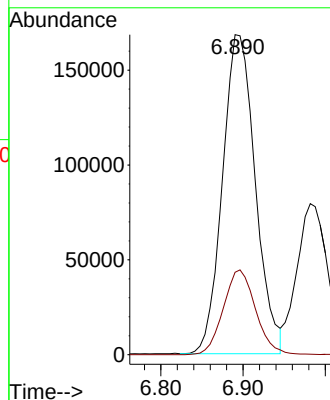
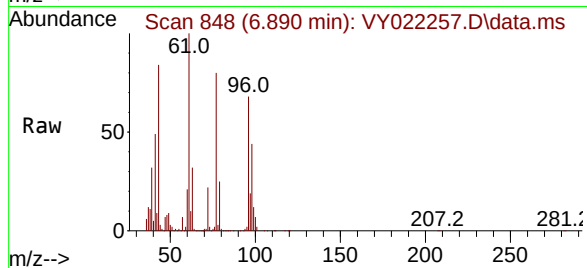
Ion Ratio Lower Upper

43 100

72 25.8 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 97.682 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022257.D

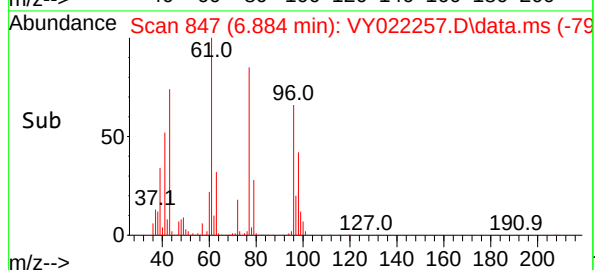
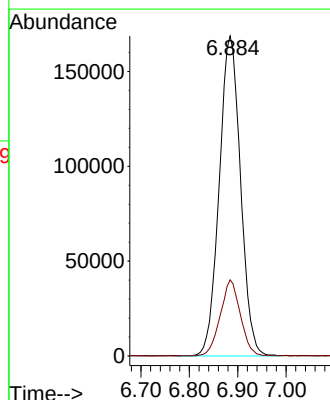
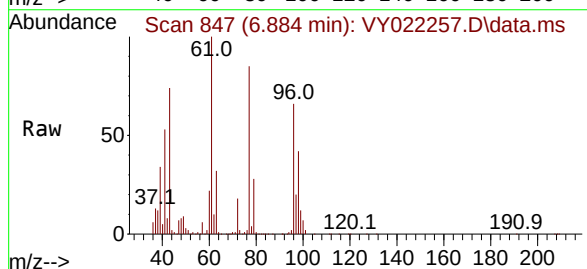
Acq: 15 May 2025 11:24

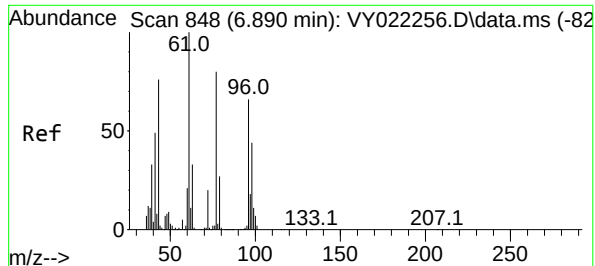
Tgt Ion: 77 Resp: 515990

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 100.861 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 368820

Ion Ratio Lower Upper

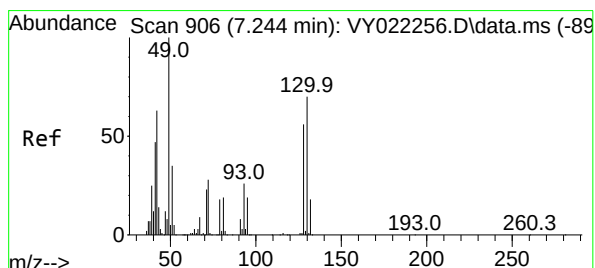
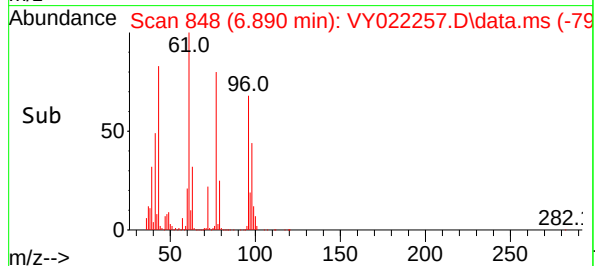
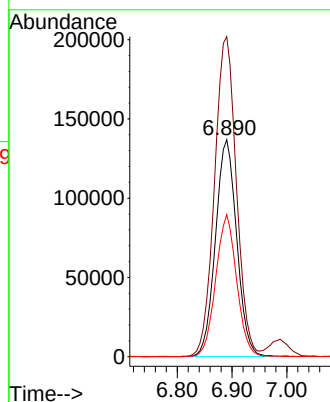
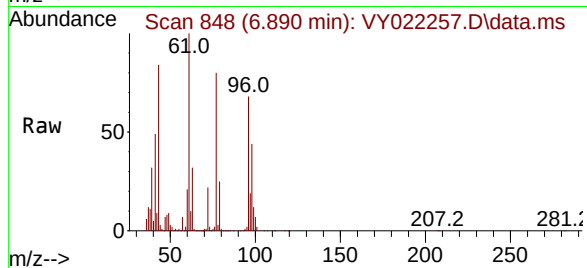
96 100

61 152.0 0.0 302.6

98 64.6 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#28

Bromochloromethane

Concen: 99.349 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

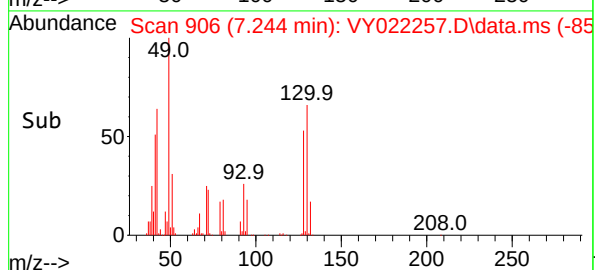
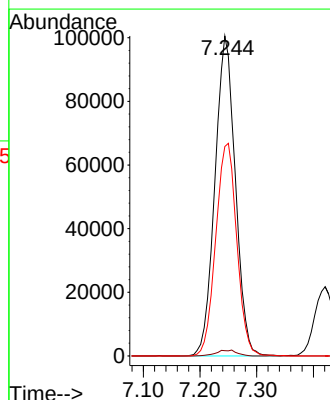
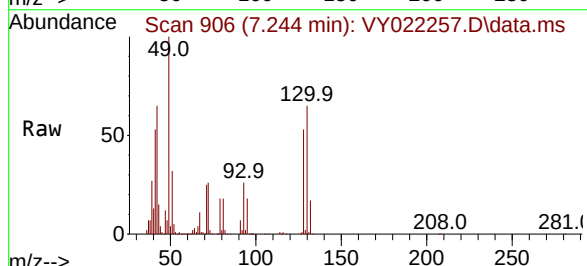
Tgt Ion: 49 Resp: 251676

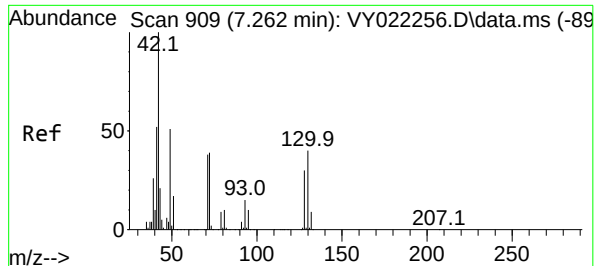
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 68.4 54.7 82.1





#29

Tetrahydrofuran

Concen: 527.609 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 312280

Ion Ratio Lower Upper

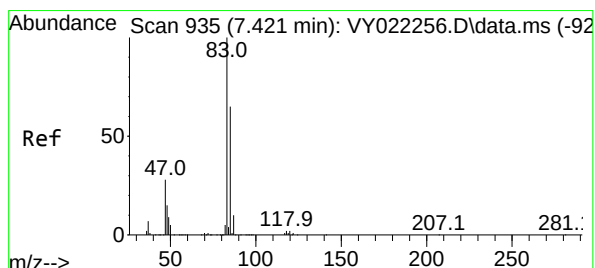
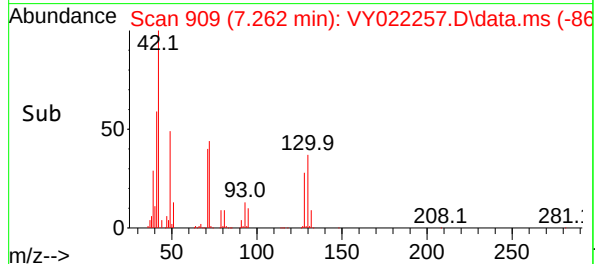
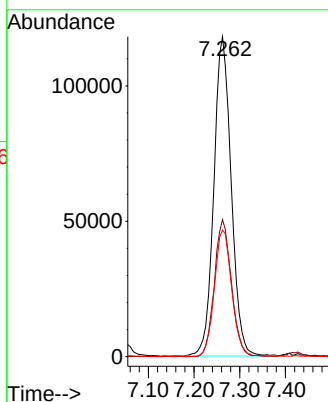
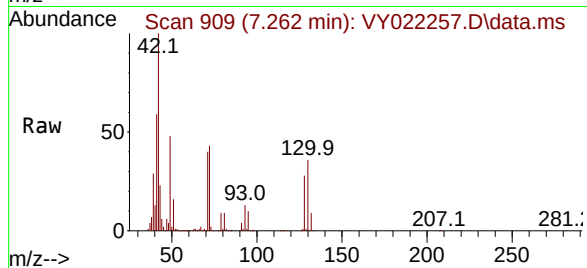
42 100

72 42.0 33.8 50.6

71 39.4 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#30

Chloroform

Concen: 99.326 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022257.D

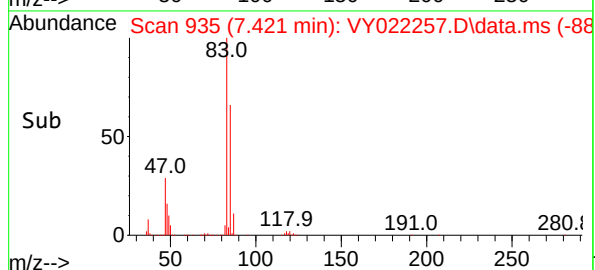
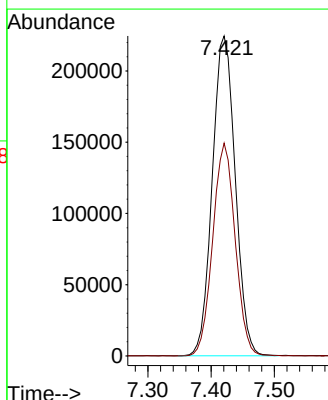
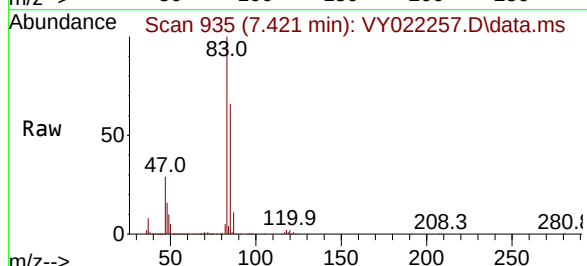
Acq: 15 May 2025 11:24

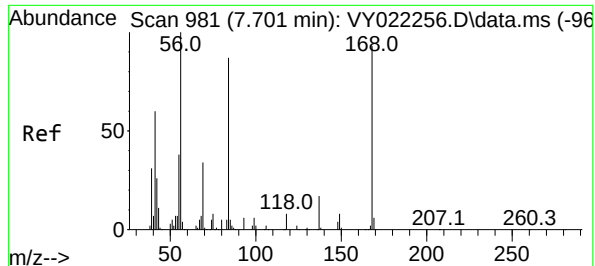
Tgt Ion: 83 Resp: 565823

Ion Ratio Lower Upper

83 100

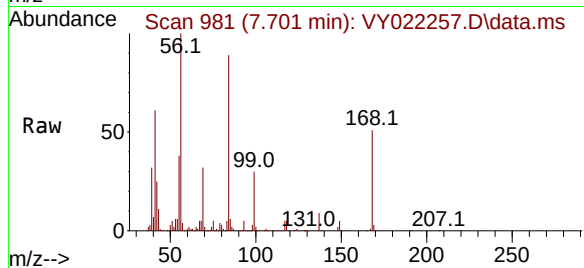
85 66.5 51.8 77.8





#31
Cyclohexane
Concen: 90.301 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

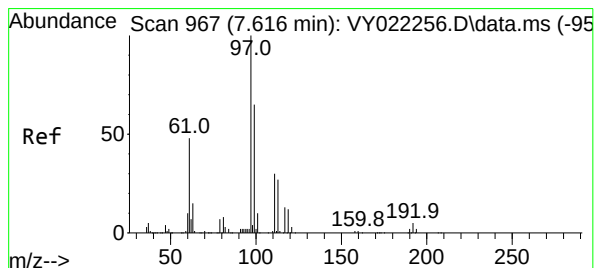
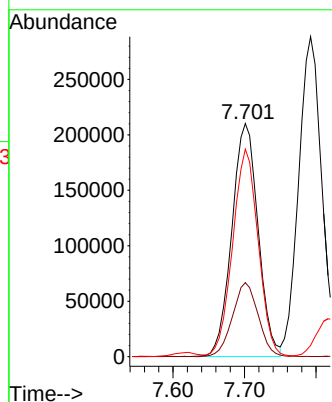
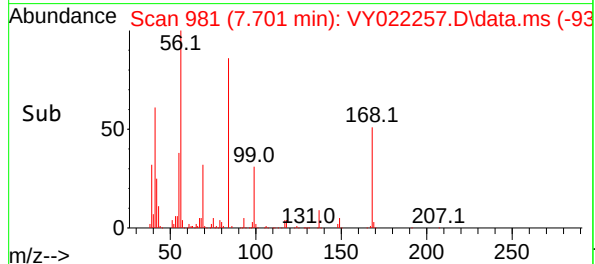
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 56 Resp: 535839
Ion Ratio Lower Upper
56 100
69 31.8 27.4 41.2
84 87.6 70.0 105.0

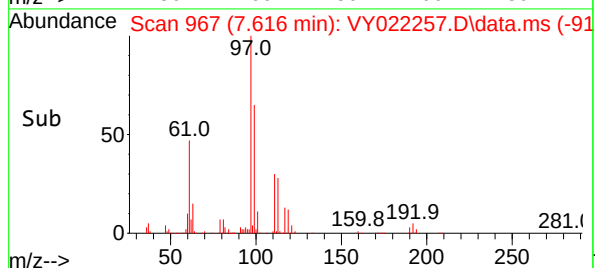
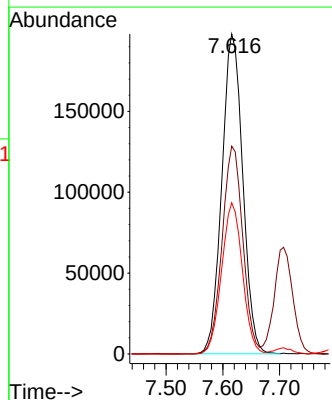
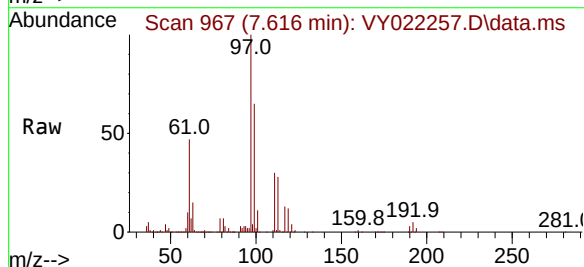
Manual Integrations
APPROVED

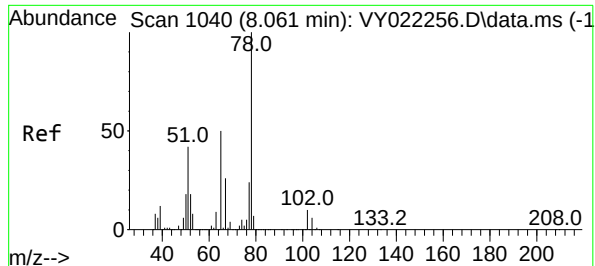
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#32
1,1,1-Trichloroethane
Concen: 96.995 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 506927
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 47.1 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 99.729 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 29253

Ion Ratio Lower Upper

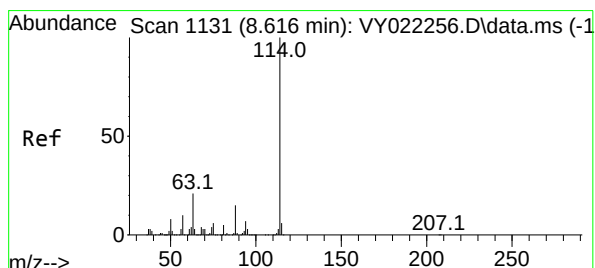
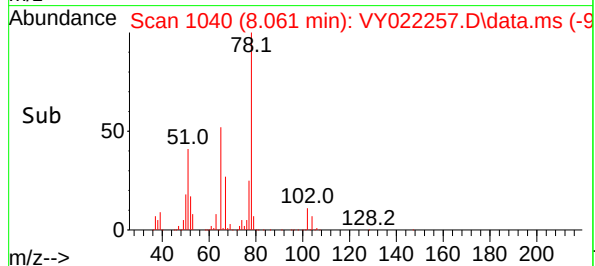
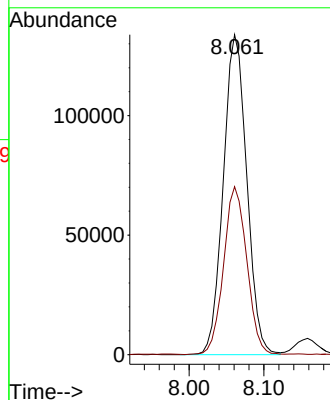
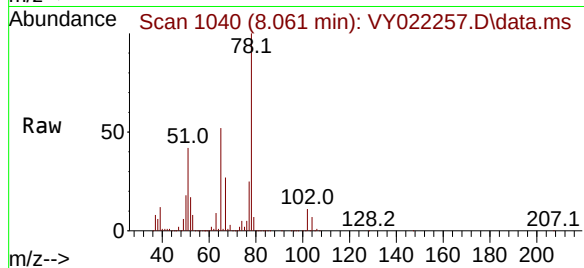
65 100

67 51.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

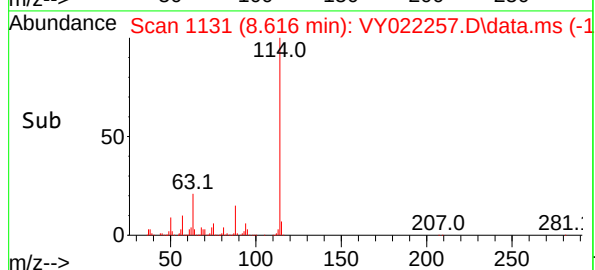
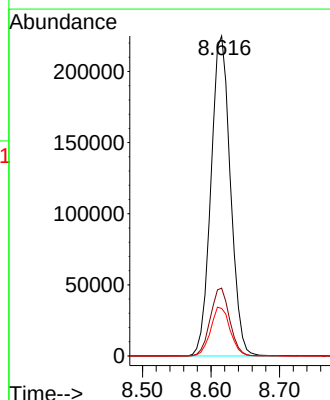
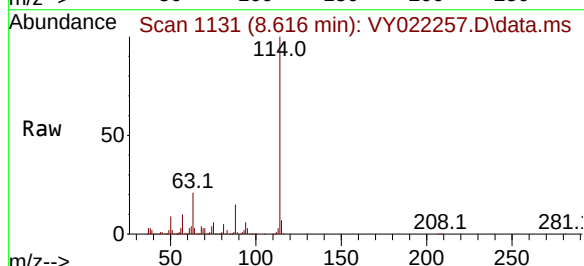
Tgt Ion:114 Resp: 443341

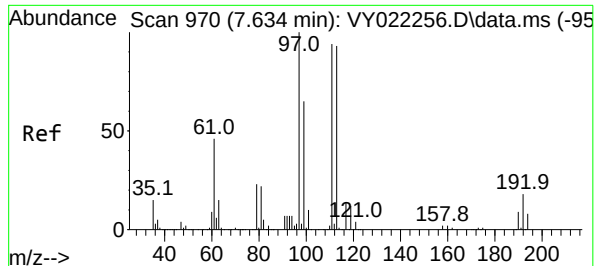
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.0

88 14.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 99.389 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 26299

Ion Ratio Lower Upper

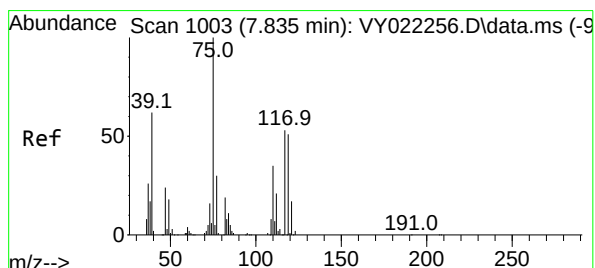
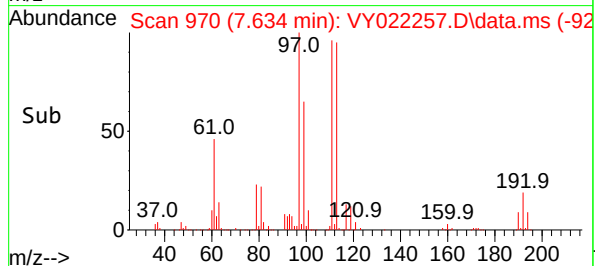
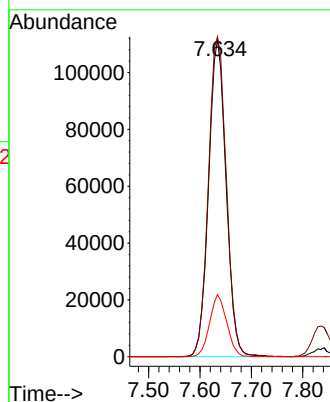
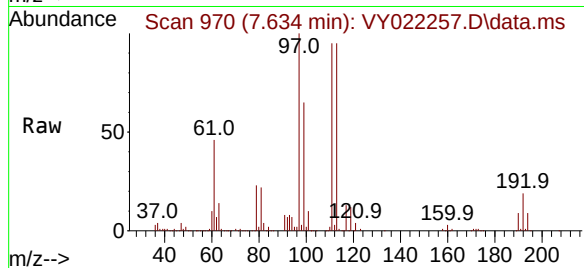
113 100

111 103.9 82.6 123.8

192 19.2 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#36

1,1-Dichloropropene

Concen: 98.465 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

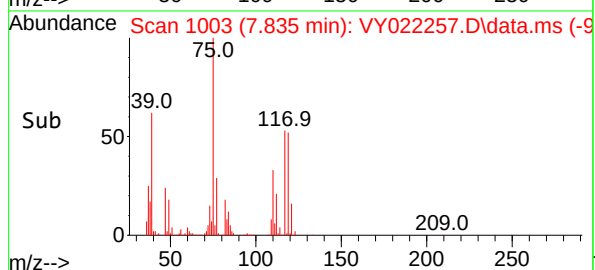
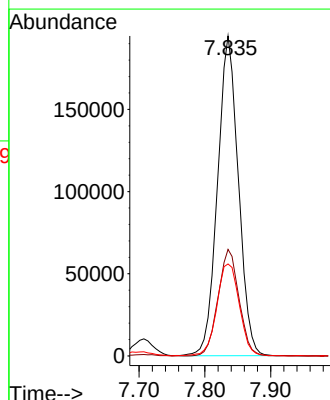
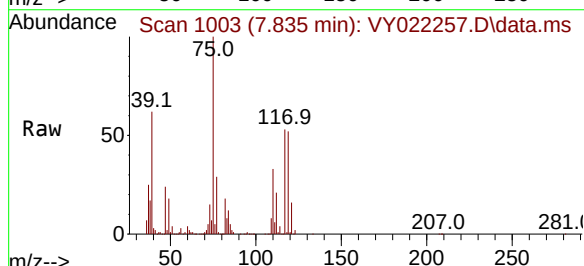
Tgt Ion: 75 Resp: 429153

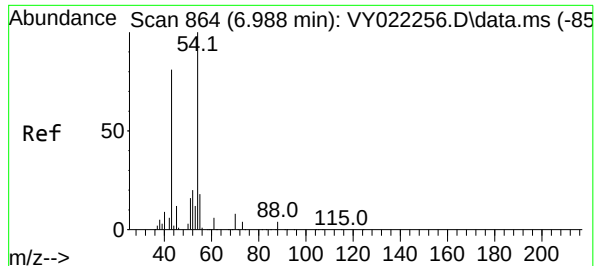
Ion Ratio Lower Upper

75 100

110 33.5 16.6 49.8

77 31.2 24.6 37.0





#37

Ethyl Acetate

Concen: 101.642 ug/l

RT: 6.982 min Scan# 864

Delta R.T. -0.006 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 213152

Ion Ratio Lower Upper

43 100

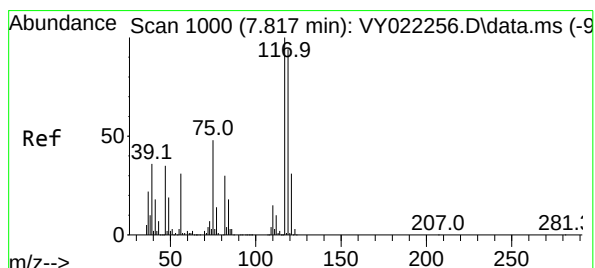
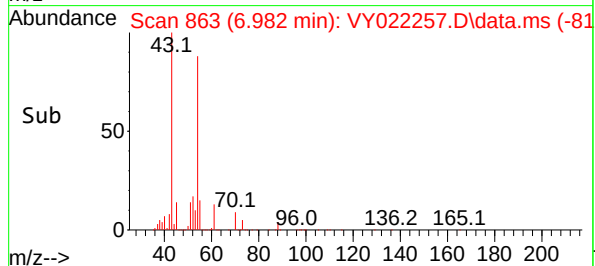
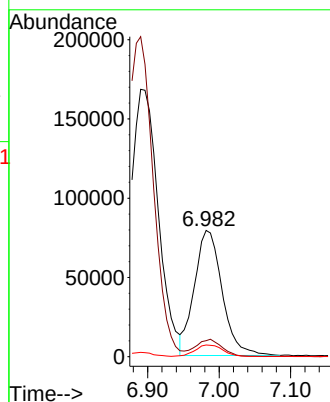
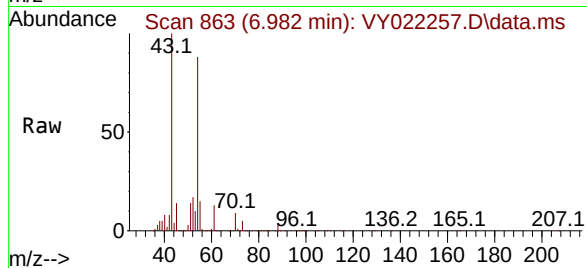
61 13.0 10.2 15.2

70 9.1 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#38

Carbon Tetrachloride

Concen: 100.097 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

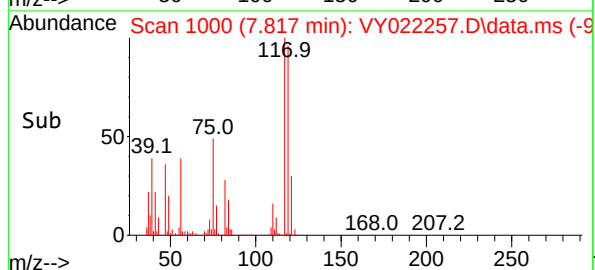
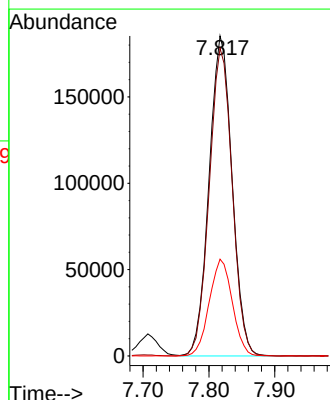
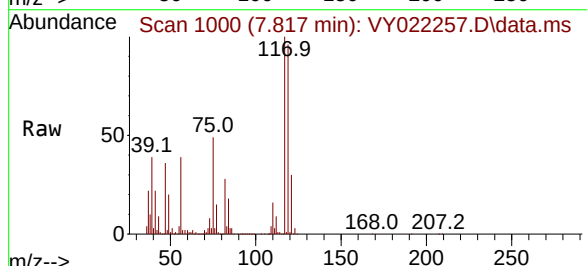
Tgt Ion:117 Resp: 451589

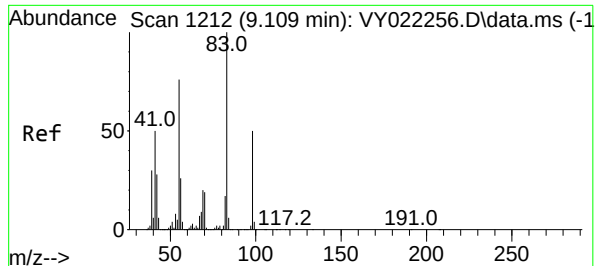
Ion Ratio Lower Upper

117 100

119 96.2 75.3 112.9

121 30.3 24.7 37.1





#39

Methylcyclohexane

Concen: 96.704 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 566259

Ion Ratio Lower Upper

83 100

55 75.9 60.6 90.8

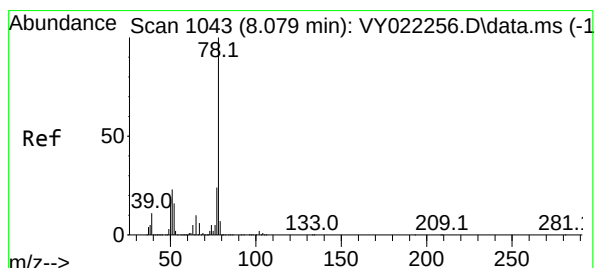
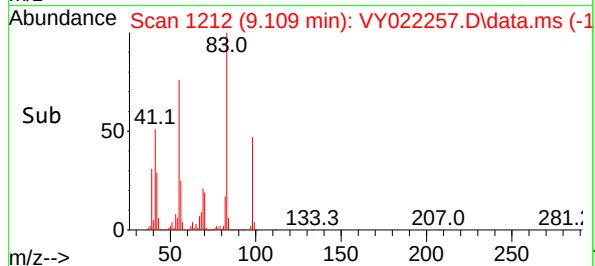
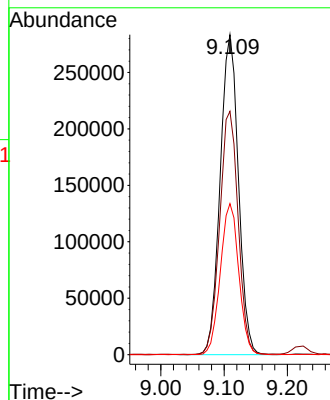
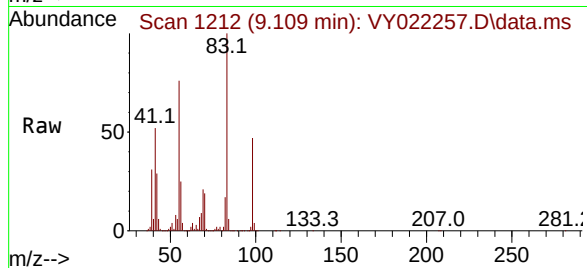
98 47.2 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#40

Benzene

Concen: 101.677 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022257.D

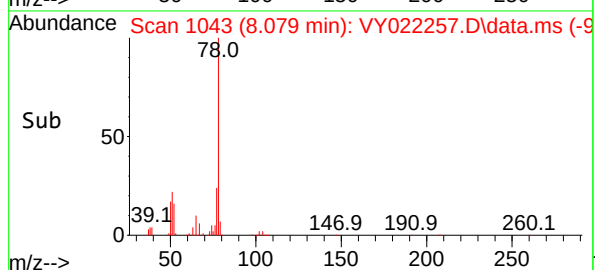
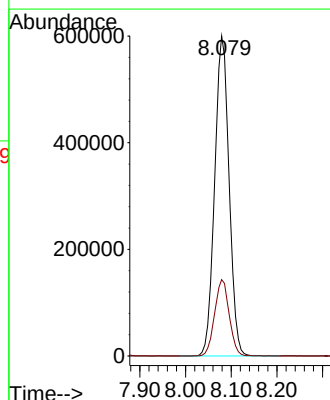
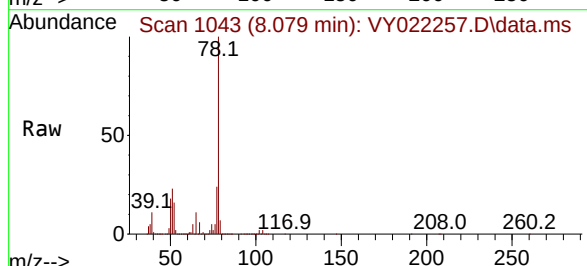
Acq: 15 May 2025 11:24

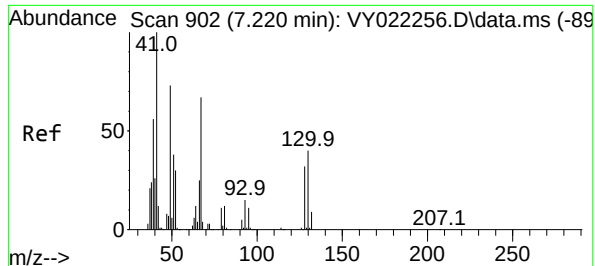
Tgt Ion: 78 Resp: 1313733

Ion Ratio Lower Upper

78 100

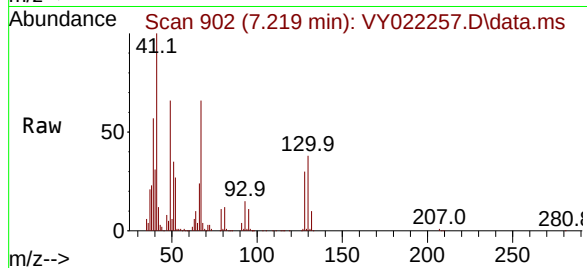
77 23.8 18.9 28.3





#41
Methacrylonitrile
Concen: 85.474 ug/l m
RT: 7.219 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

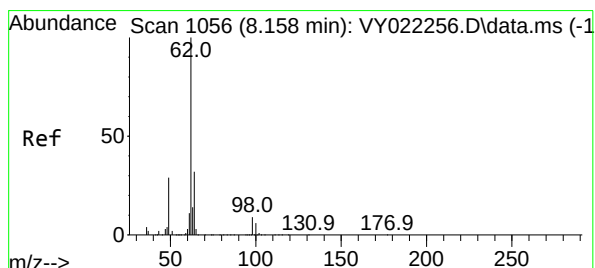
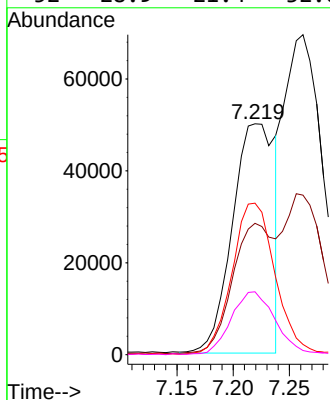
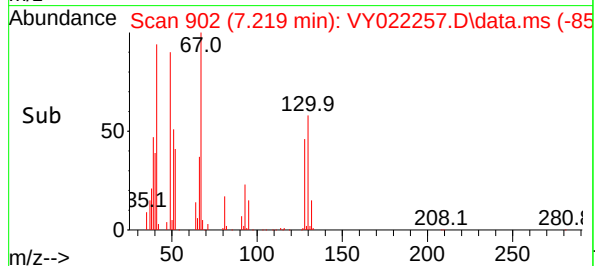
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 13115
Ion Ratio Lower Upper
41 100
39 55.7 39.1 58.7
67 67.2 47.1 70.7
52 28.9 21.4 32.0

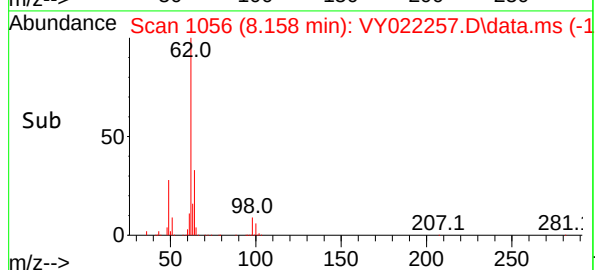
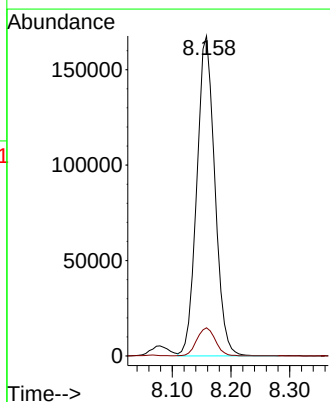
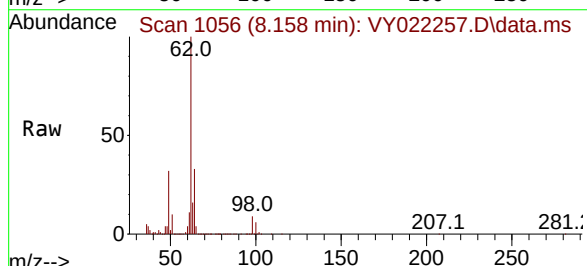
Manual Integrations
APPROVED

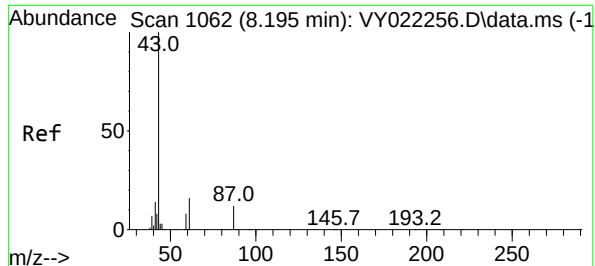
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 102.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 356974
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 103.517 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 473430

Ion Ratio Lower Upper

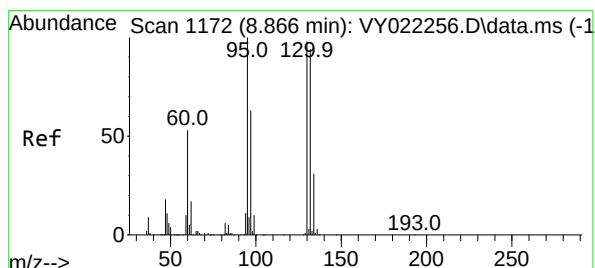
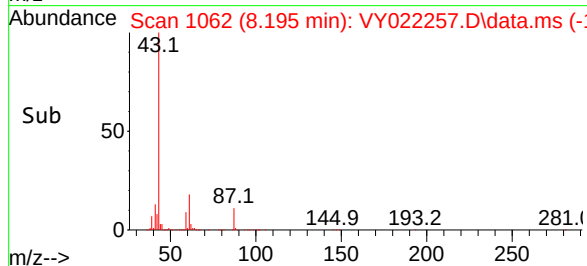
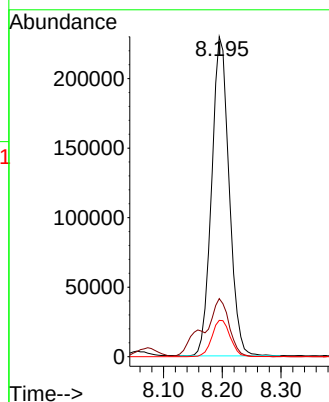
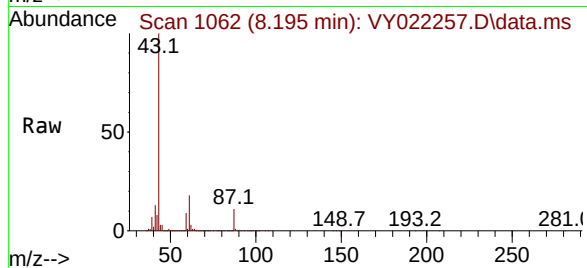
43 100

61 18.5 15.1 22.7

87 12.0 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#44

Trichloroethene

Concen: 98.218 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022257.D

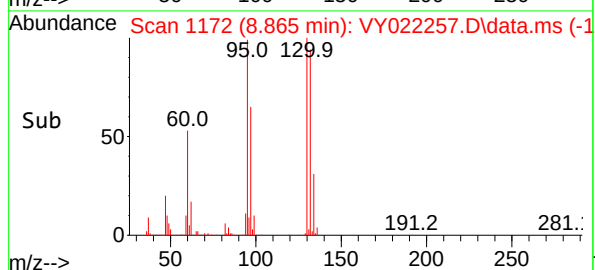
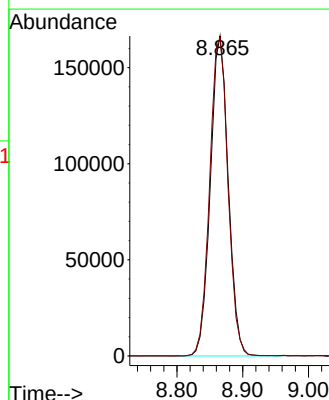
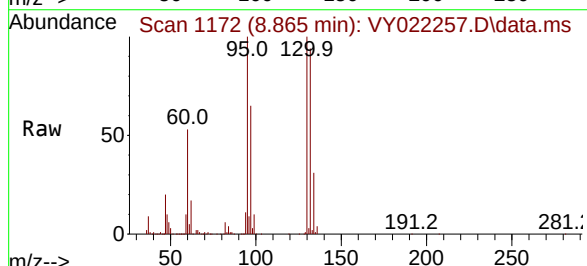
Acq: 15 May 2025 11:24

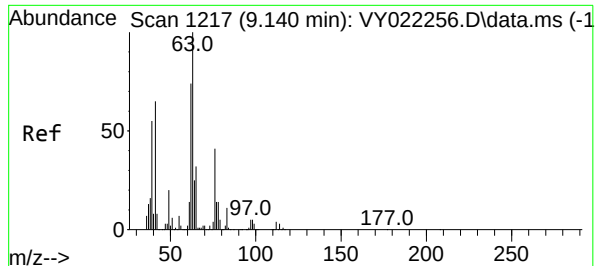
Tgt Ion:130 Resp: 315543

Ion Ratio Lower Upper

130 100

95 99.5 0.0 204.8





#45

1,2-Dichloropropane

Concen: 100.858 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 314179

Ion Ratio Lower Upper

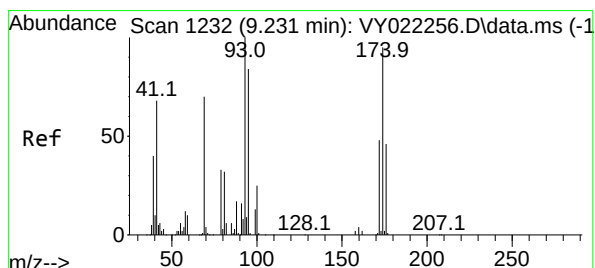
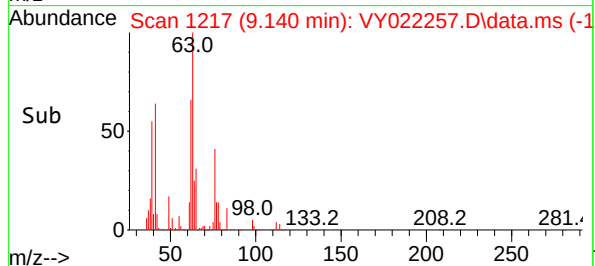
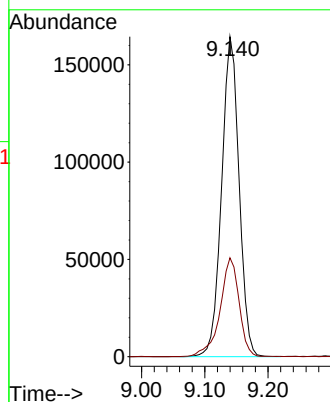
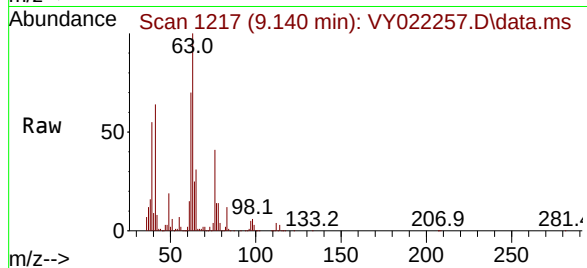
63 100

65 30.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 101.606 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

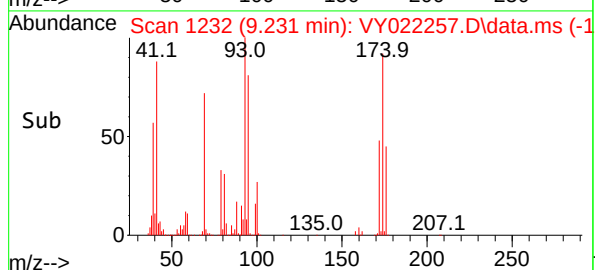
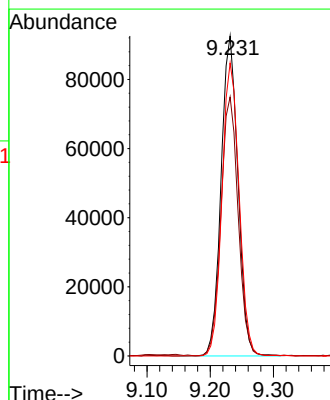
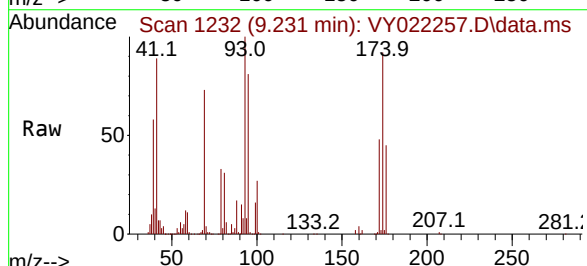
Tgt Ion: 93 Resp: 170712

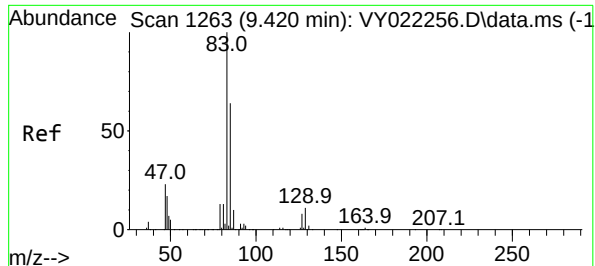
Ion Ratio Lower Upper

93 100

95 82.7 65.2 97.8

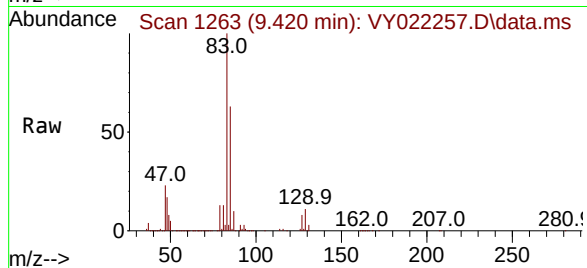
174 92.9 74.3 111.5





#47
Bromodichloromethane
Concen: 102.514 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

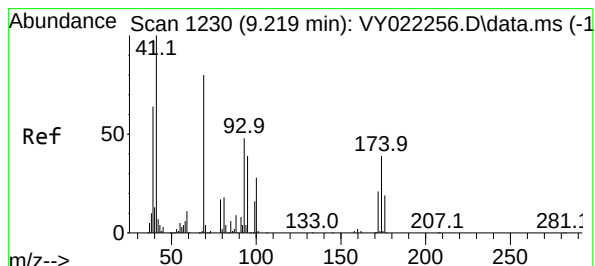
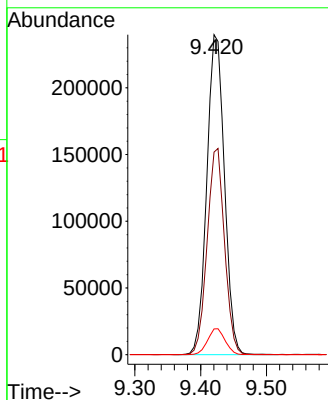
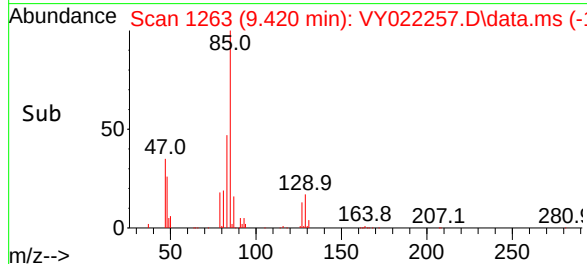
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 446829
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7
127 8.0 6.6 10.0

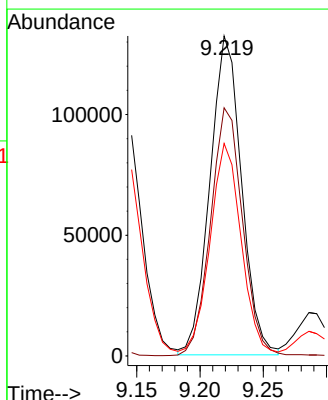
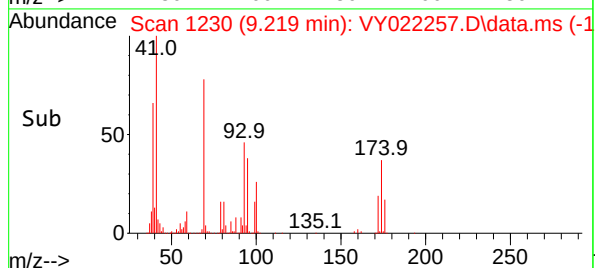
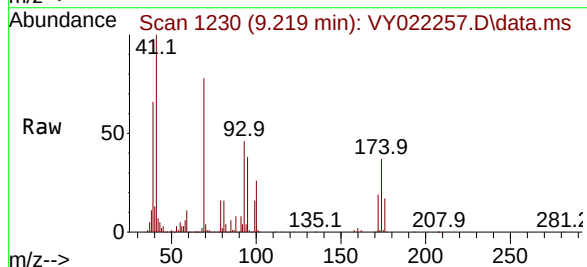
Manual Integrations
APPROVED

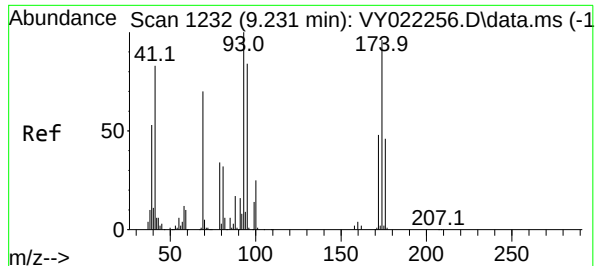
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#48
Methyl methacrylate
Concen: 107.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 229512
Ion Ratio Lower Upper
41 100
69 78.7 63.5 95.3
39 63.5 50.8 76.2





#49

1,4-Dioxane

Concen: 1990.455 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 37780

Ion Ratio Lower Upper

88 100

43 36.0 28.5 42.7

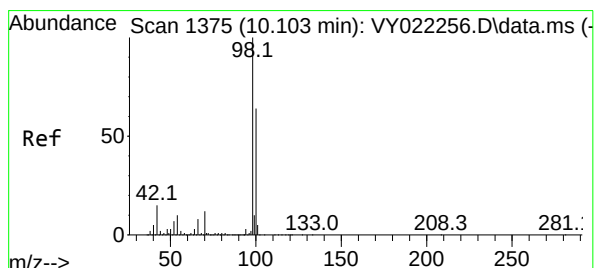
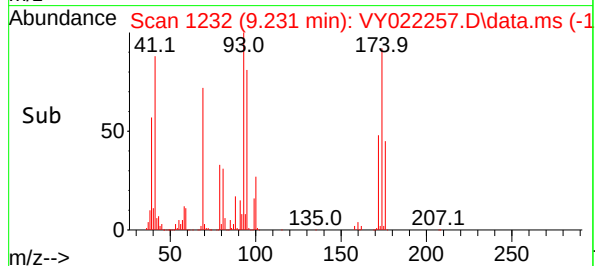
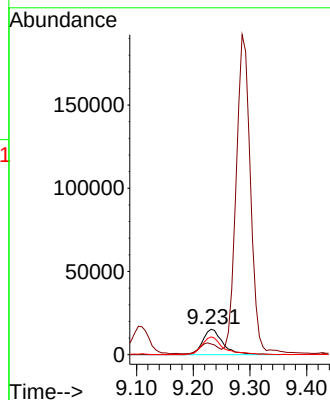
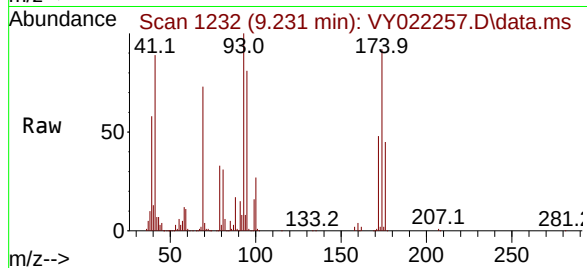
58 75.0 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#50

Toluene-d8

Concen: 99.289 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022257.D

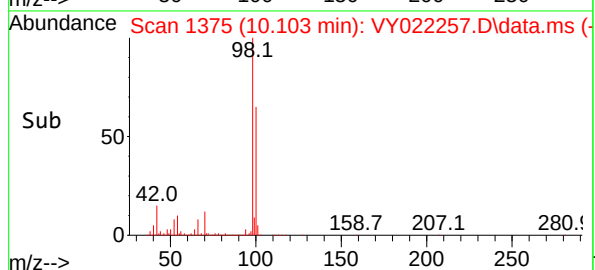
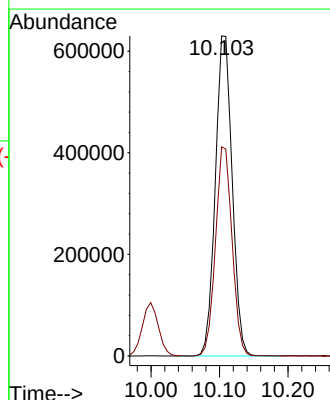
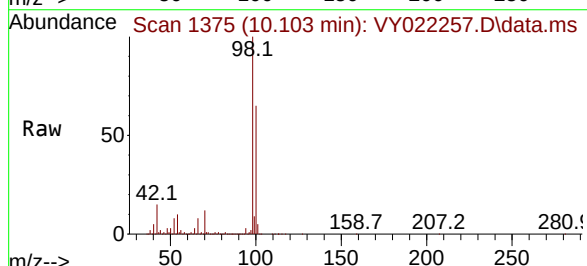
Acq: 15 May 2025 11:24

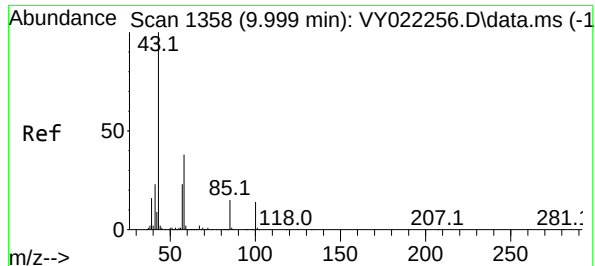
Tgt Ion: 98 Resp: 1076035

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8





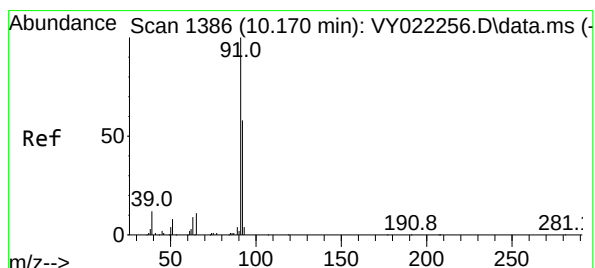
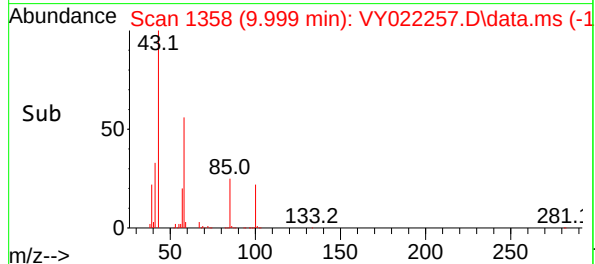
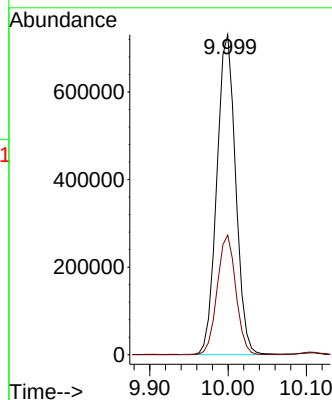
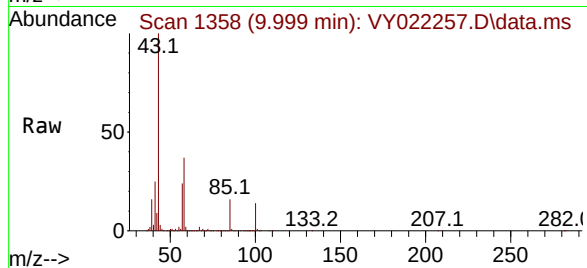
#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 121868
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.2

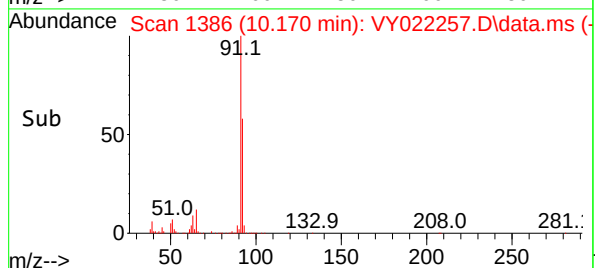
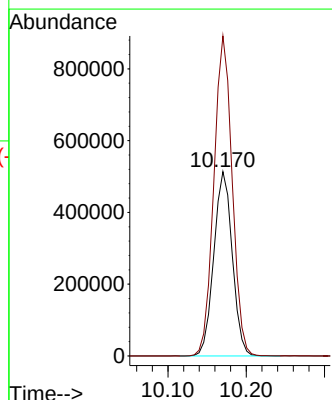
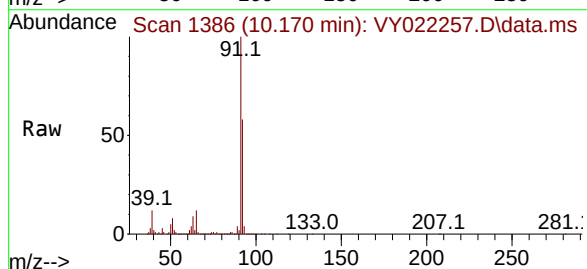
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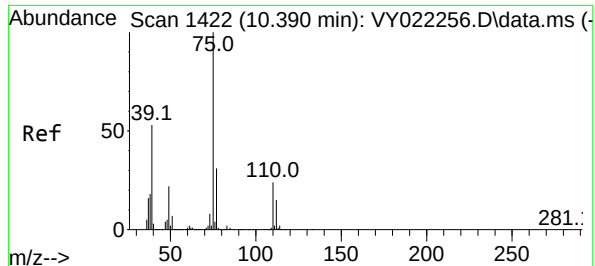
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 102.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

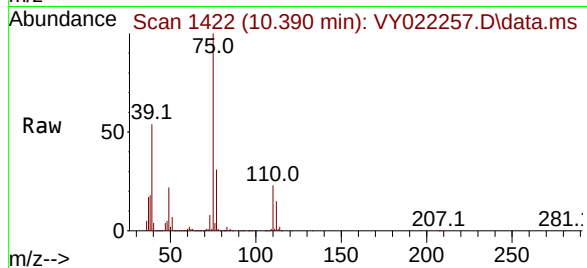
Tgt Ion: 92 Resp: 839400
Ion Ratio Lower Upper
92 100
91 172.5 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 103.832 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

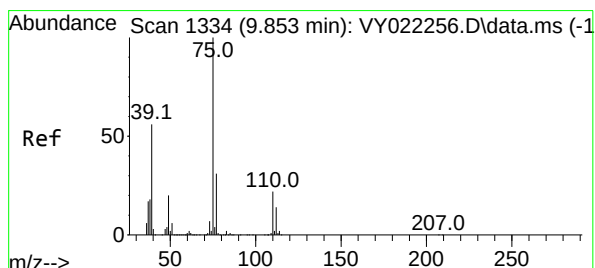
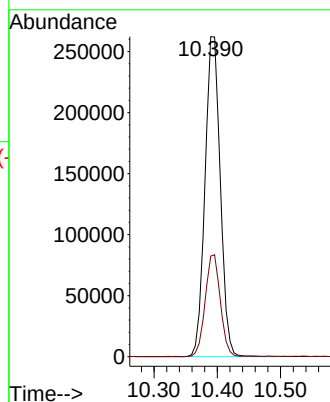
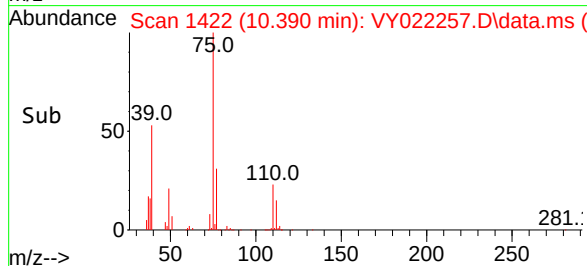
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 441672
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

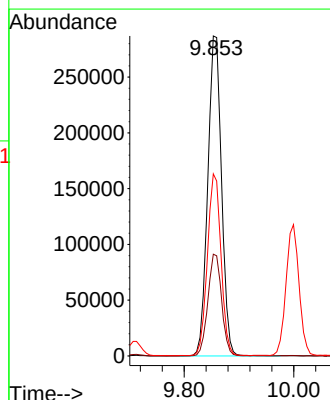
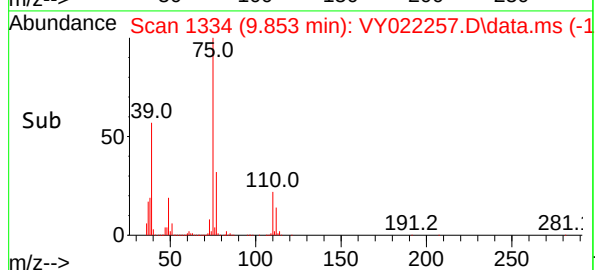
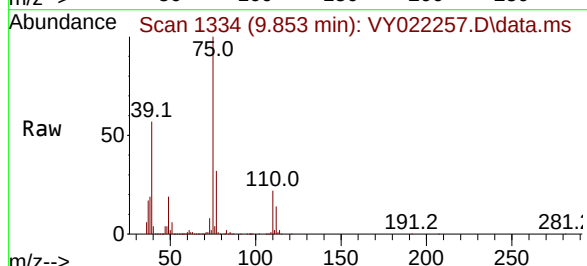
Manual Integrations
APPROVED

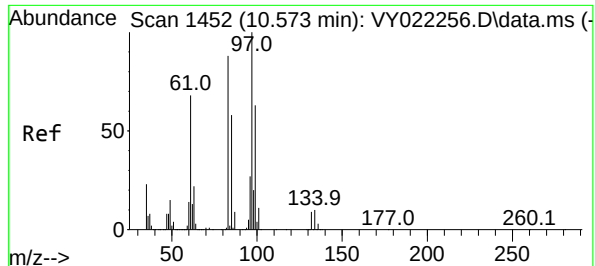
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 102.190 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 498023
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 56.8 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 102.005 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 219460

Ion Ratio Lower Upper

97 100

83 88.8 70.3 105.5

85 55.8 46.2 69.4

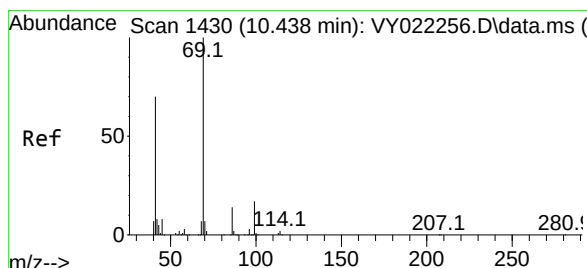
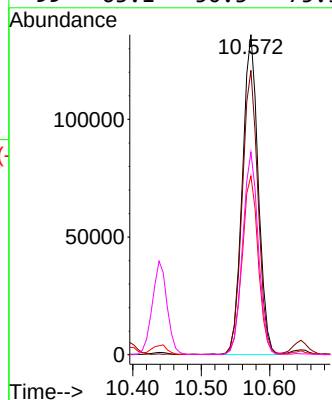
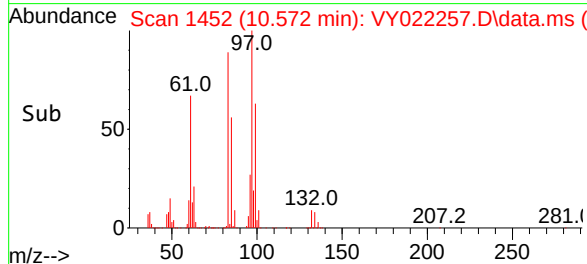
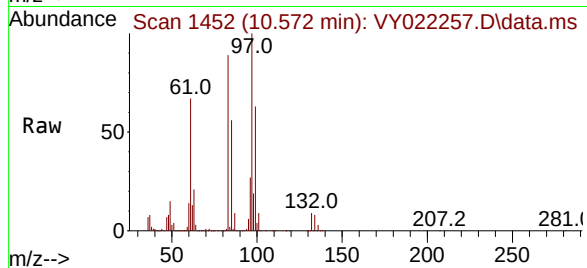
99 63.1 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#56

Ethyl methacrylate

Concen: 105.335 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

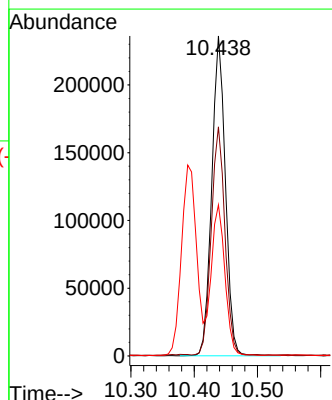
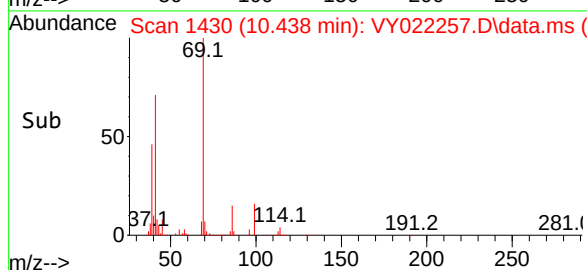
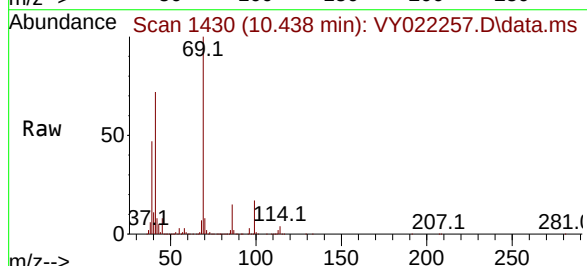
Tgt Ion: 69 Resp: 353013

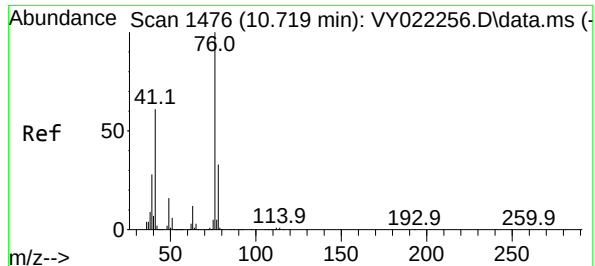
Ion Ratio Lower Upper

69 100

41 71.7 56.5 84.7

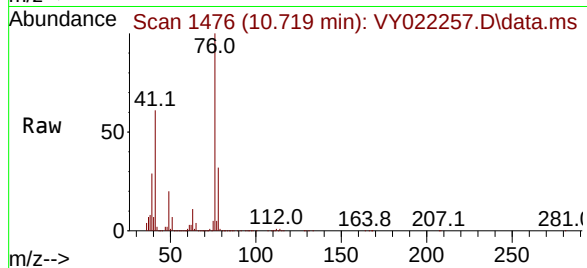
39 47.7 37.1 55.7





#57
1,3-Dichloropropane
Concen: 102.420 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

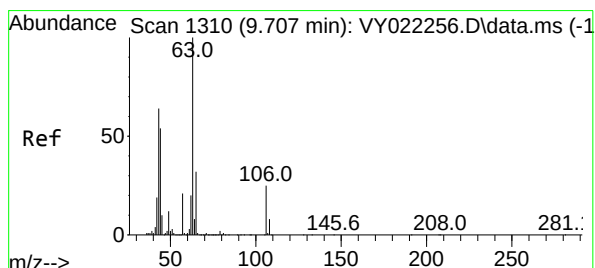
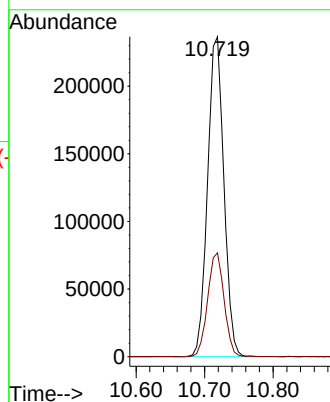
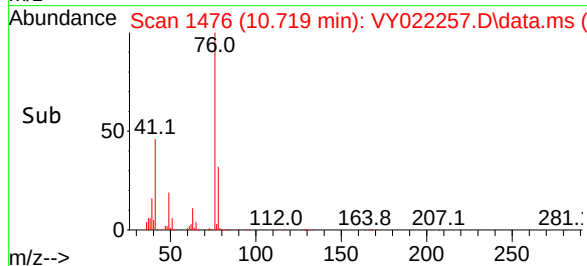
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 391514
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.8

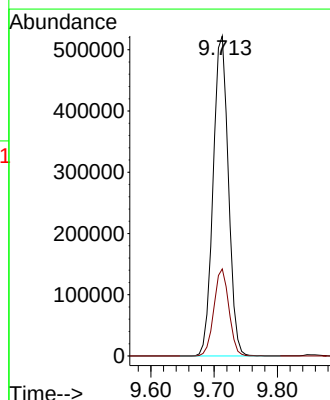
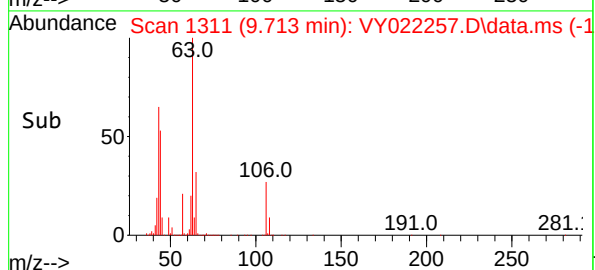
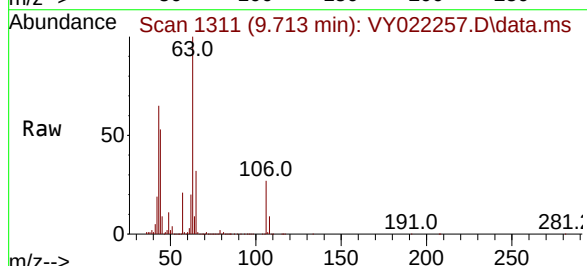
Manual Integrations
APPROVED

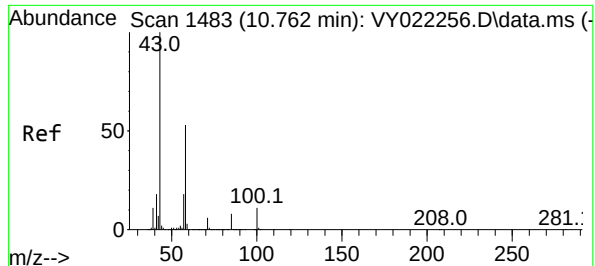
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#58
2-Chloroethyl Vinyl ether
Concen: 580.295 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 872907
Ion Ratio Lower Upper
63 100
106 26.7 21.0 31.4





#59

2-Hexanone

Concen: 537.872 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022257.D

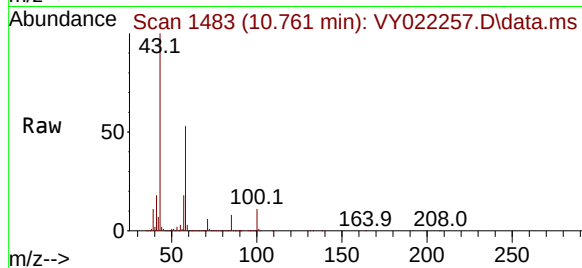
Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion: 43 Resp: 809288

Ion Ratio Lower Upper

43 100

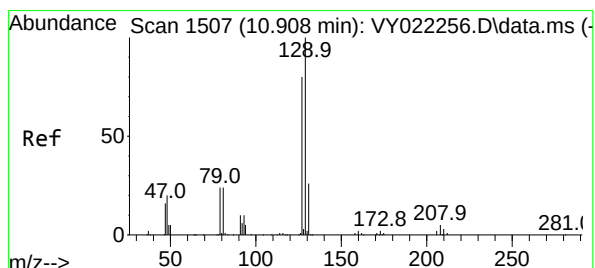
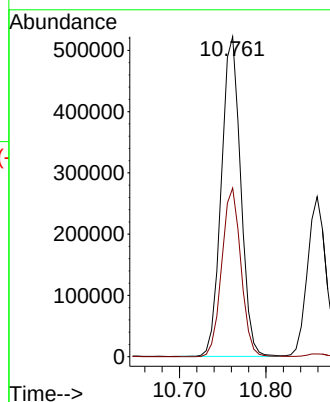
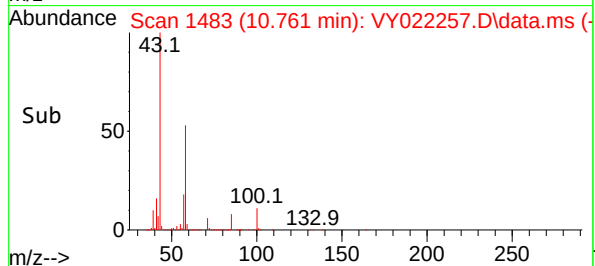
58 52.2 26.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#60

Dibromochloromethane

Concen: 104.616 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY022257.D

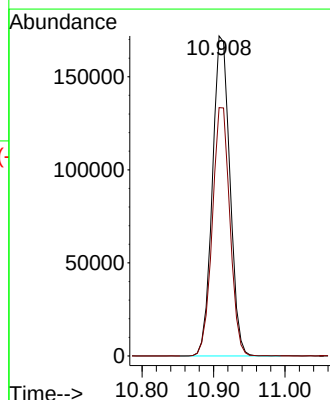
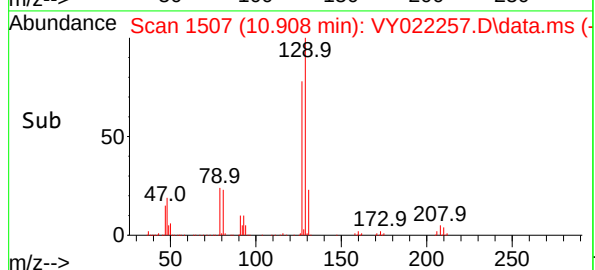
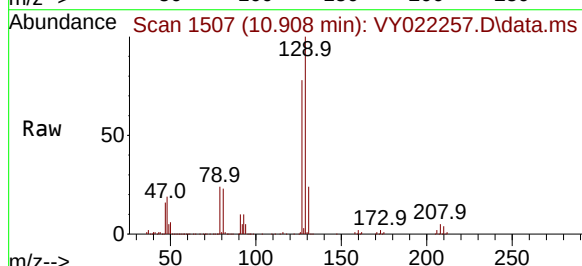
Acq: 15 May 2025 11:24

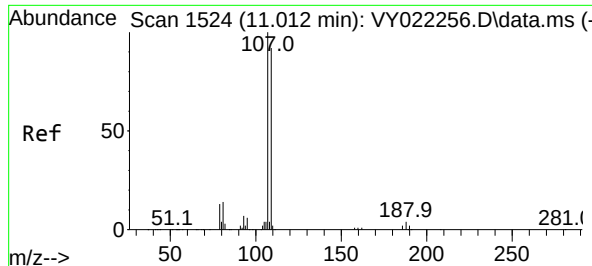
Tgt Ion:129 Resp: 292143

Ion Ratio Lower Upper

129 100

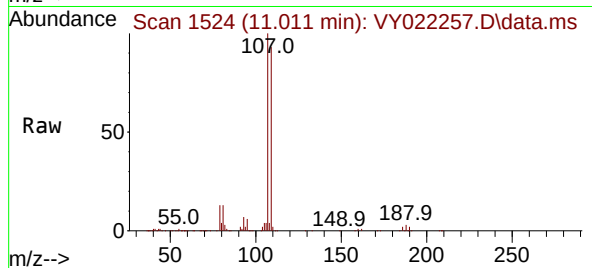
127 77.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 103.362 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

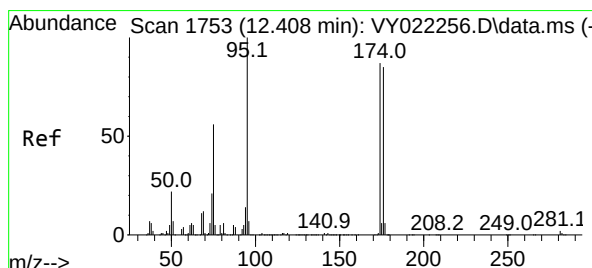
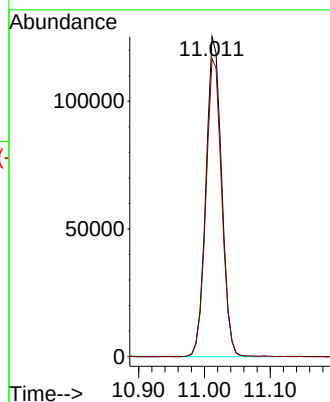
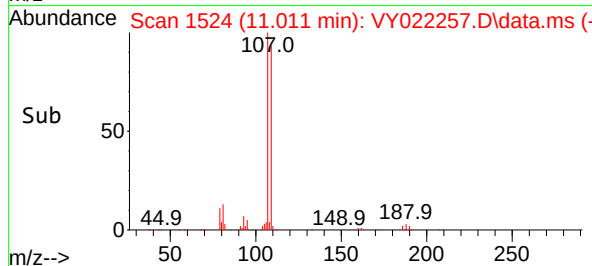
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 207260
Ion Ratio Lower Upper
107 100
109 94.0 74.6 111.8

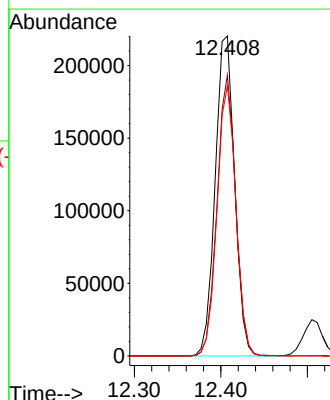
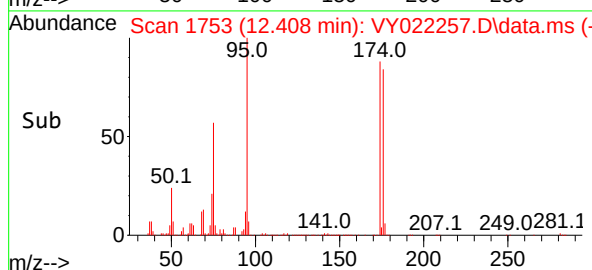
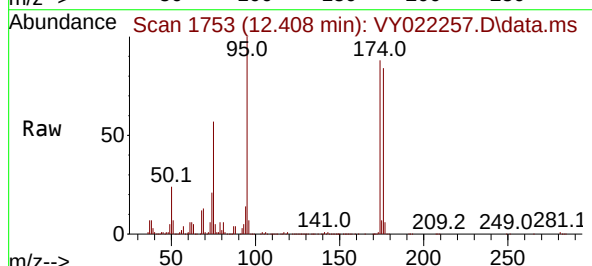
Manual Integrations
APPROVED

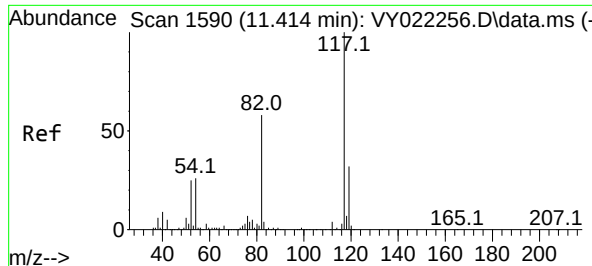
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 99.968 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

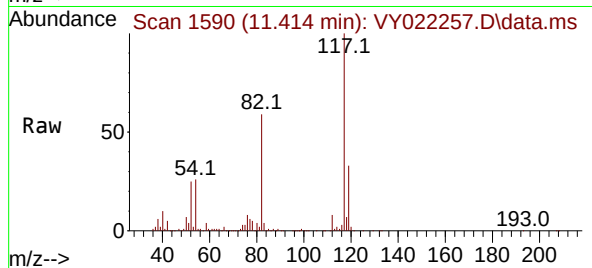
Tgt Ion: 95 Resp: 343397
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 81.7 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

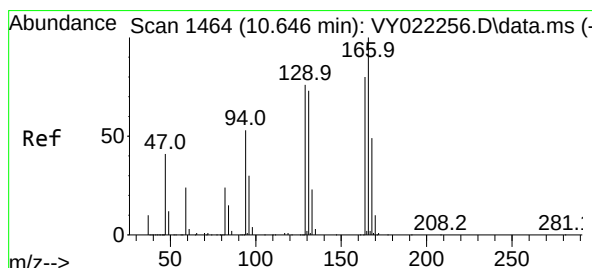
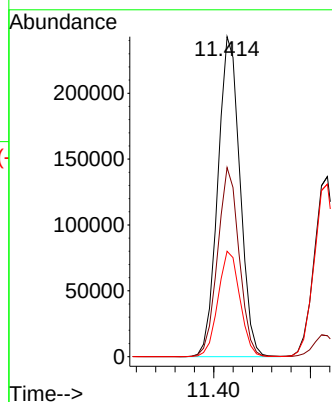
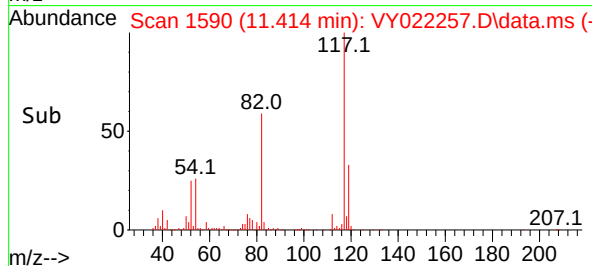
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



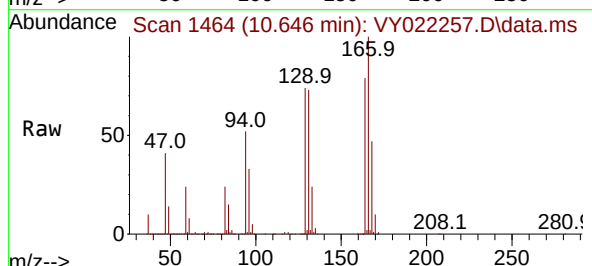
Tgt Ion:117 Resp: 385348
Ion Ratio Lower Upper
117 100
82 59.1 46.6 70.0
119 33.0 25.8 38.6

Manual Integrations
APPROVED

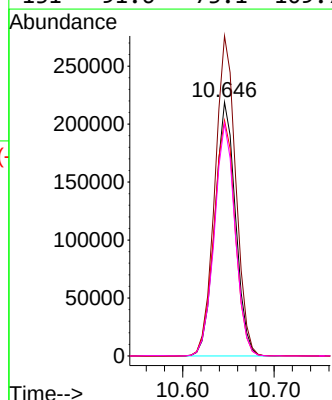
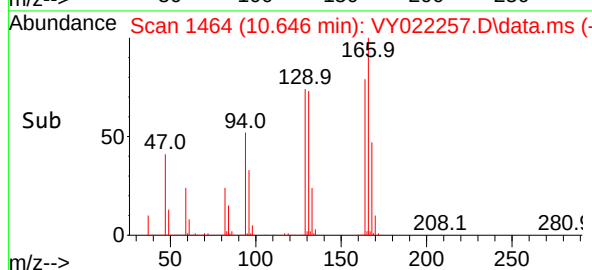
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

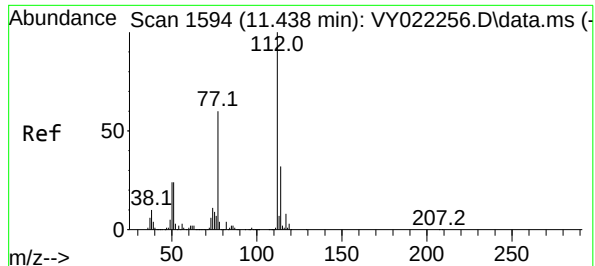


#64
Tetrachloroethene
Concen: 96.489 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



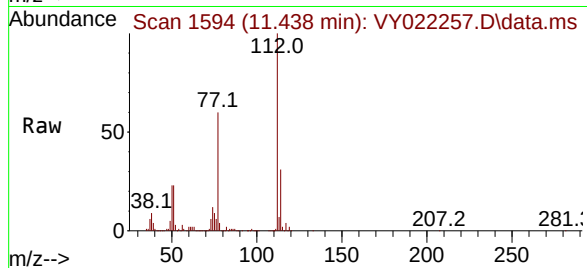
Tgt Ion:164 Resp: 343677
Ion Ratio Lower Upper
164 100
166 126.1 100.4 150.6
129 92.9 76.4 114.6
131 91.6 73.1 109.7





#65
Chlorobenzene
Concen: 101.346 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

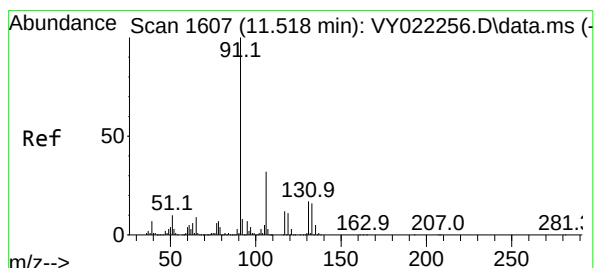
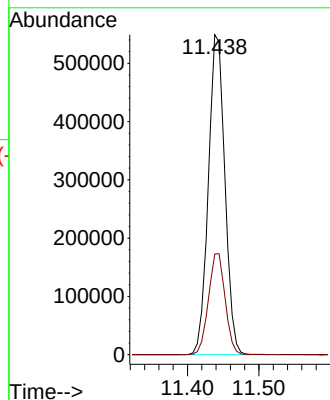
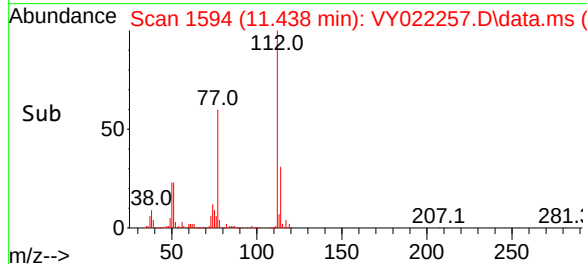
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 881086
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

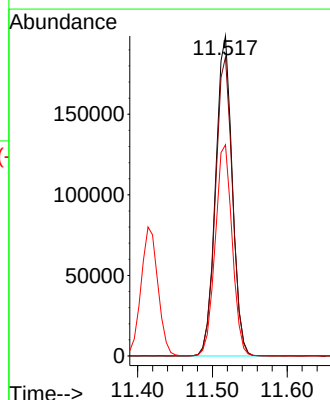
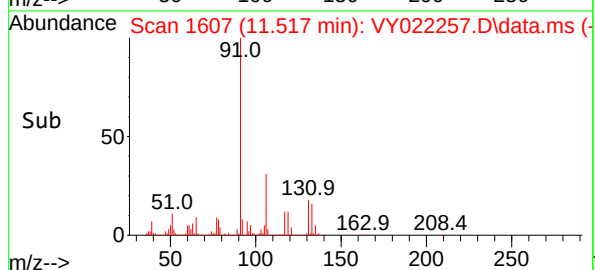
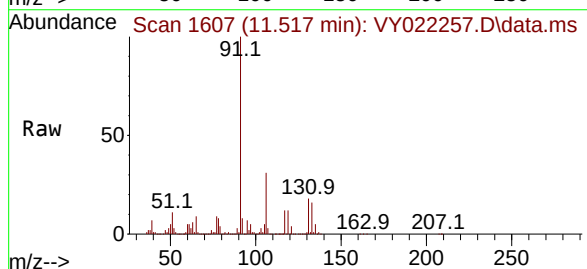
Manual Integrations
APPROVED

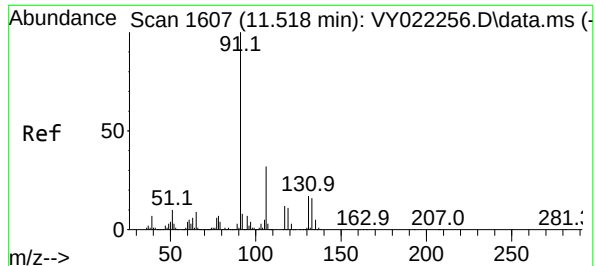
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 103.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

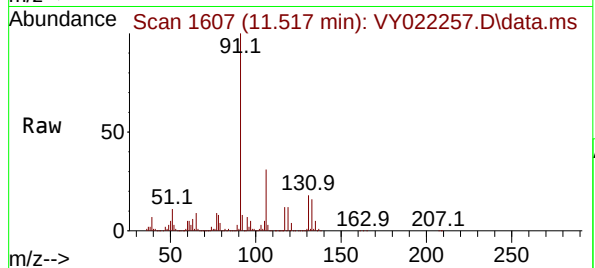
Tgt Ion:131 Resp: 307866
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 67.2 33.1 99.2





#67
Ethyl Benzene
Concen: 102.836 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

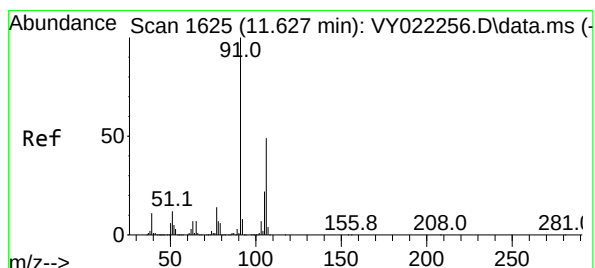
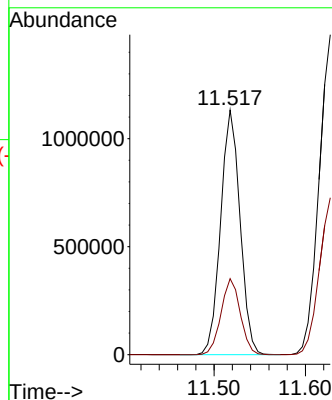
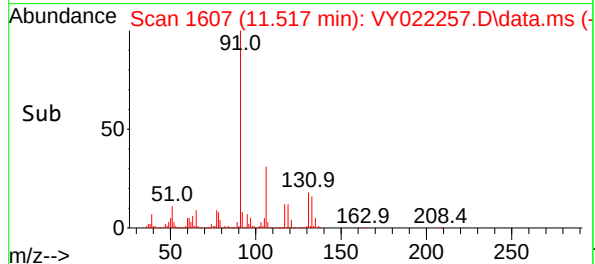
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



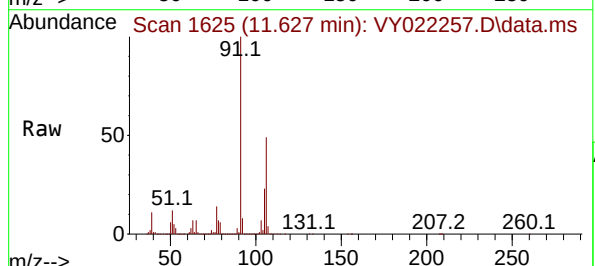
Tgt Ion: 91 Resp: 167435
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

Manual Integrations
APPROVED

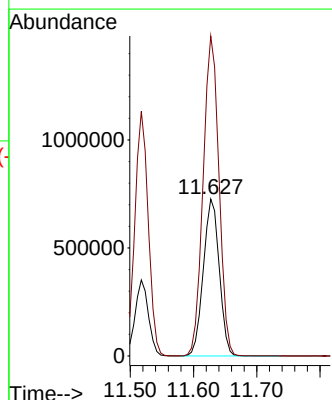
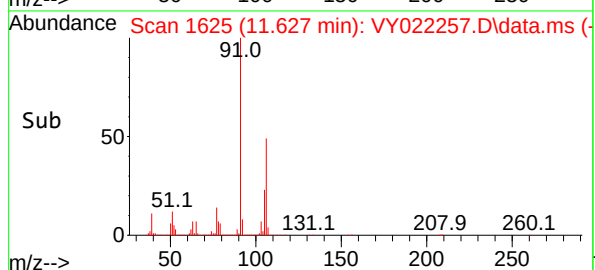
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

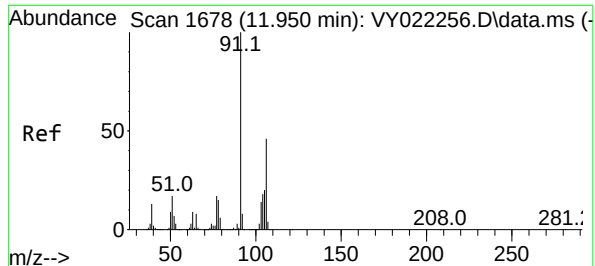


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



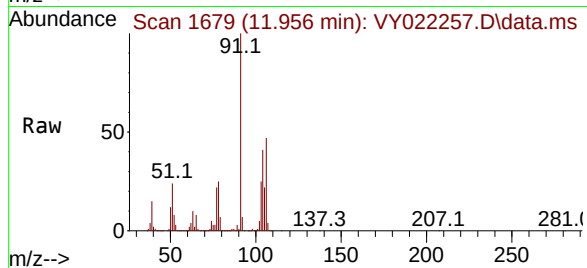
Tgt Ion:106 Resp: 1271299
Ion Ratio Lower Upper
106 100
91 203.2 163.0 244.4





#69
o-Xylene
Concen: 103.777 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

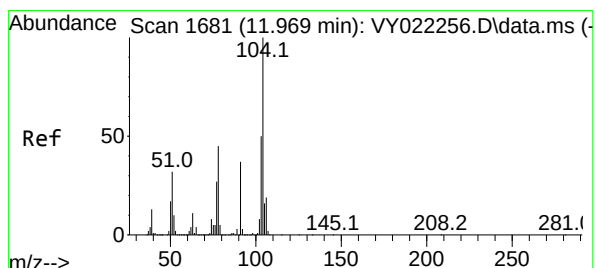
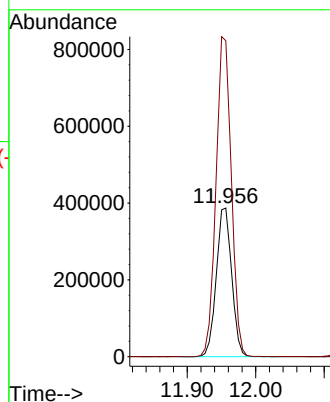
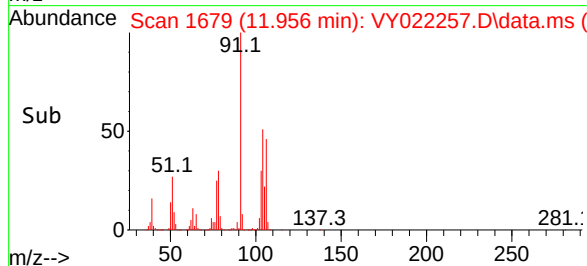
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



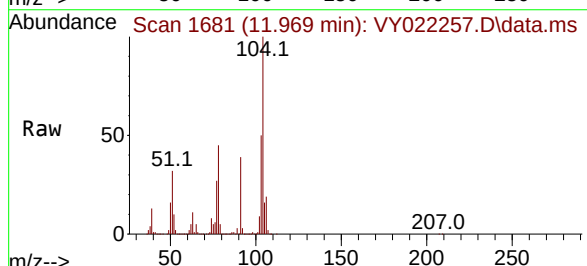
Tgt Ion:106 Resp: 602390
Ion Ratio Lower Upper
106 100
91 214.7 108.3 324.8

Manual Integrations
APPROVED

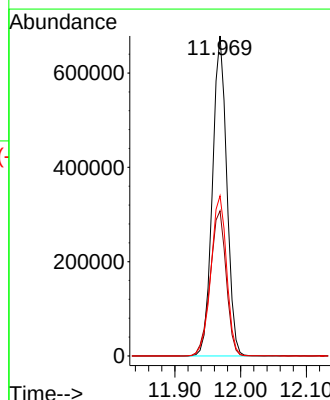
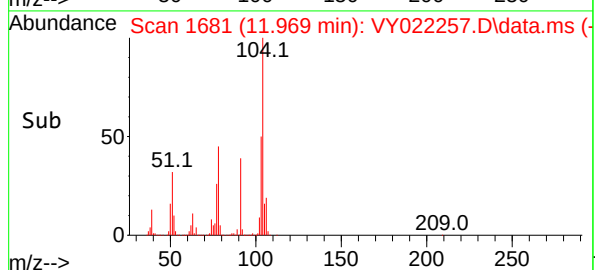
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

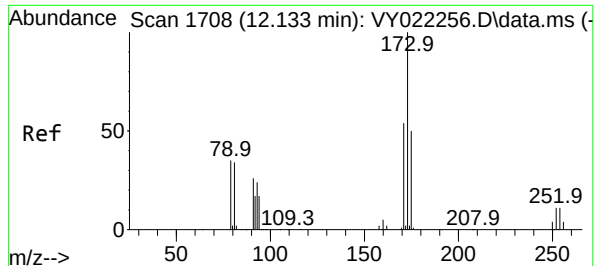


#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



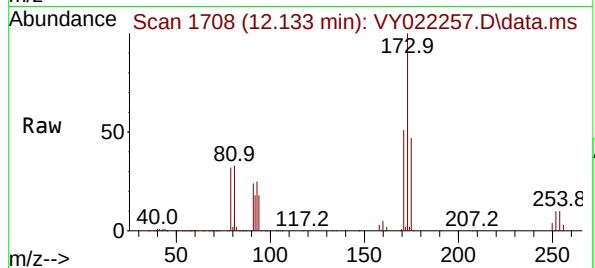
Tgt Ion:104 Resp: 1028498
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 54.7 43.7 65.5





#71
Bromoform
Concen: 104.561 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

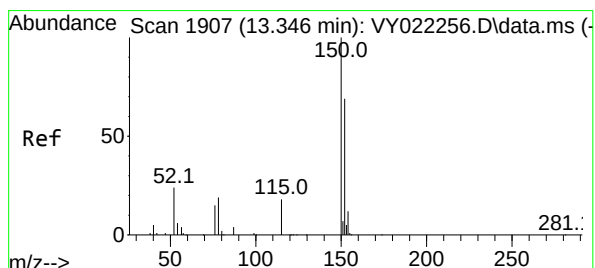
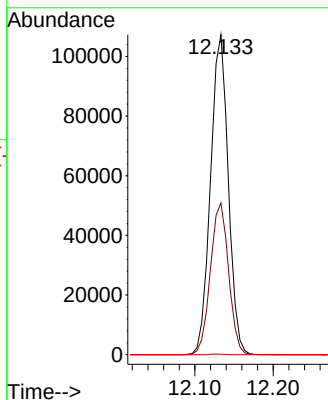
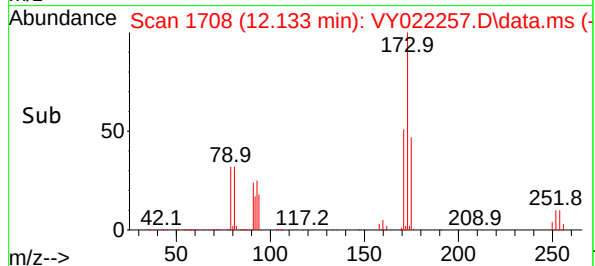
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:173 Resp: 168679
Ion Ratio Lower Upper
173 100
175 48.6 24.7 74.1
254 0.1 0.0 0.0

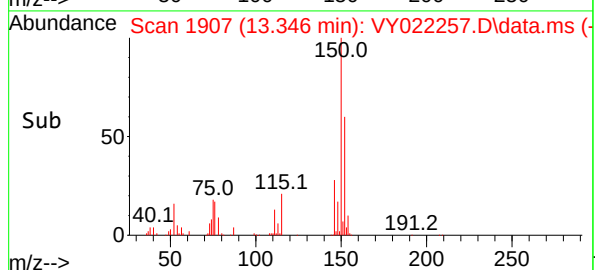
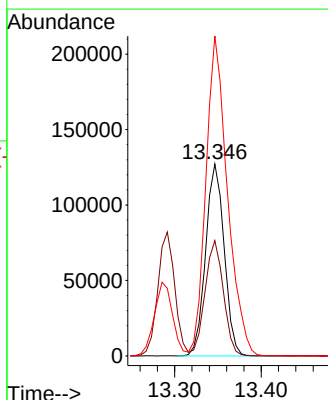
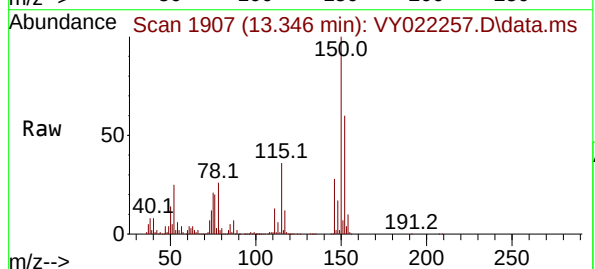
Manual Integrations
APPROVED

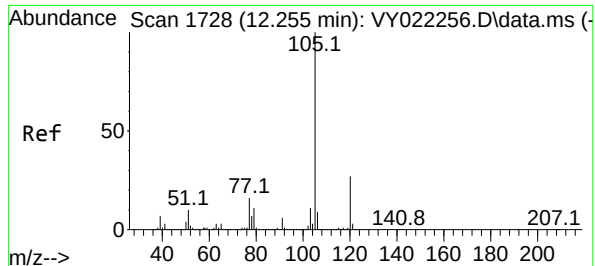
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

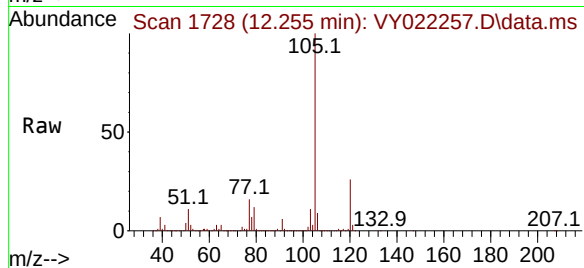
Tgt Ion:152 Resp: 189780
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.2
150 193.1 0.0 353.8





#73
Isopropylbenzene
Concen: 97.241 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

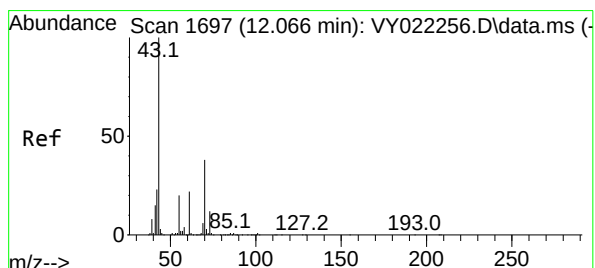
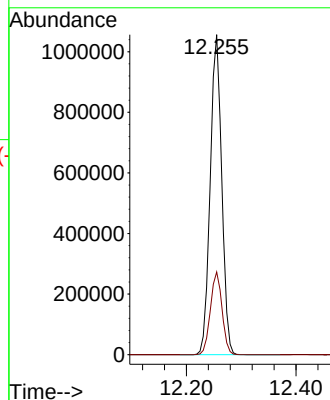
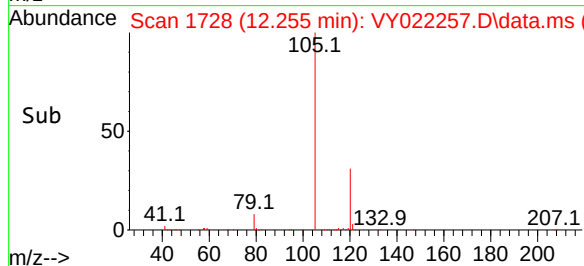
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 152885
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6

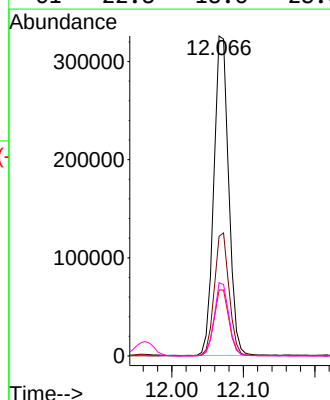
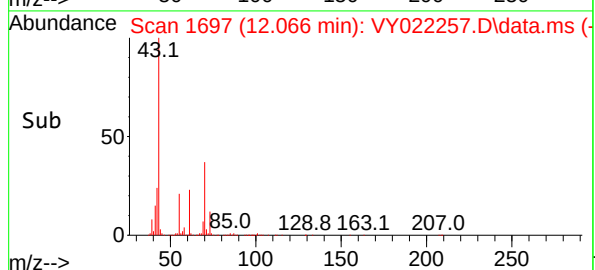
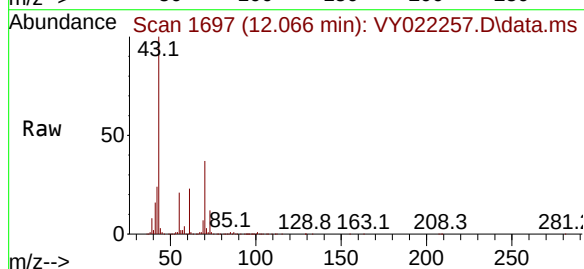
Manual Integrations
APPROVED

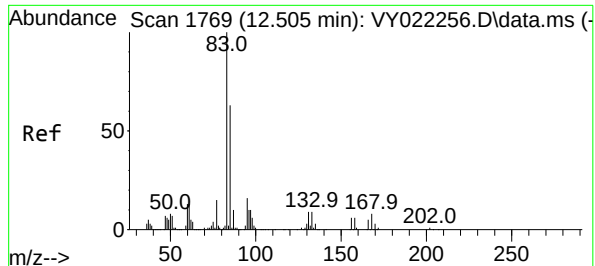
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 104.235 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

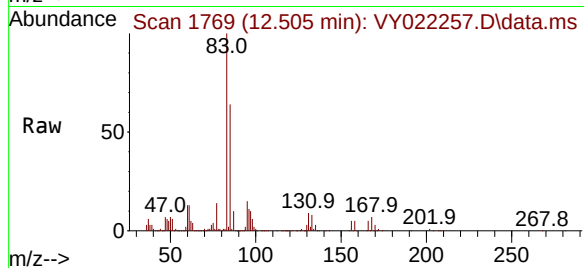
Tgt Ion: 43 Resp: 468707
Ion Ratio Lower Upper
43 100
70 38.2 31.4 47.0
55 20.8 17.0 25.6
61 22.8 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 101.255 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

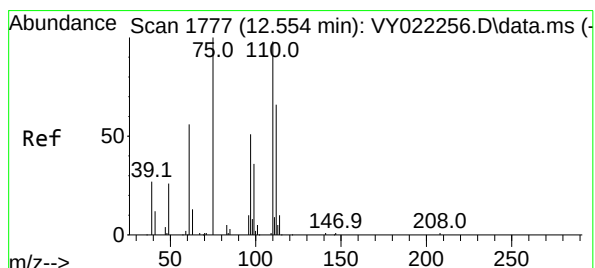
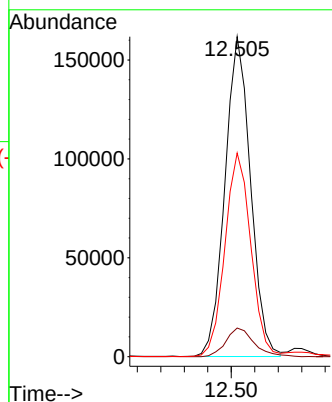
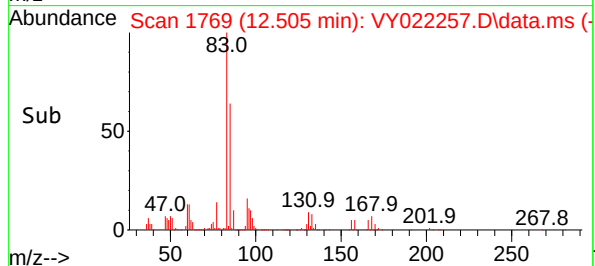
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 244830
Ion Ratio Lower Upper
83 100
131 9.9 4.9 14.7
85 64.4 32.0 96.0

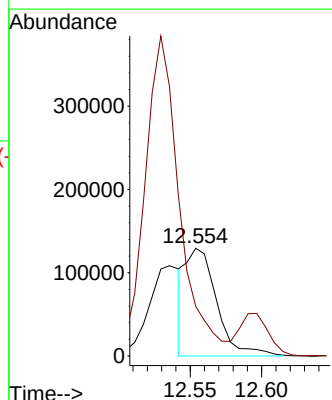
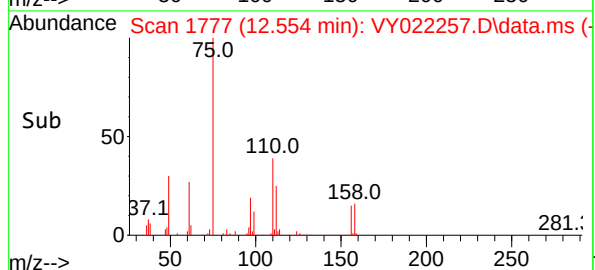
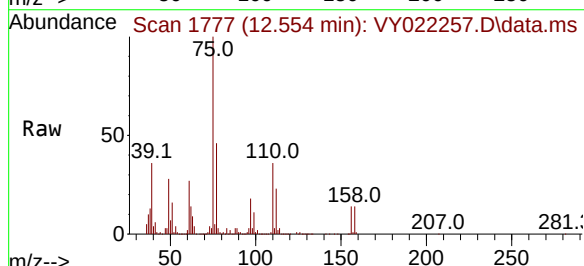
Manual Integrations
APPROVED

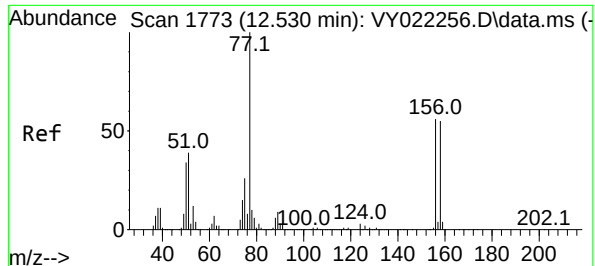
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 59.078 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

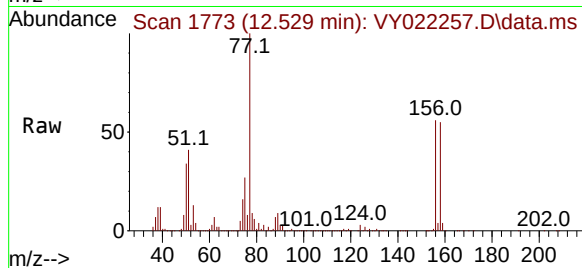
Tgt Ion: 75 Resp: 197600
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 100.456 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

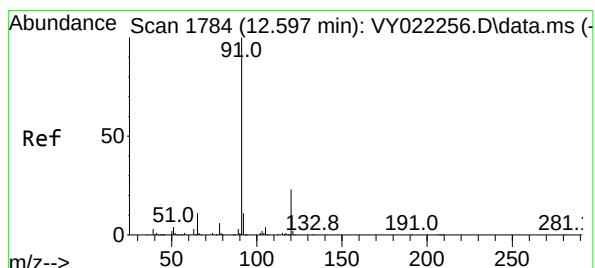
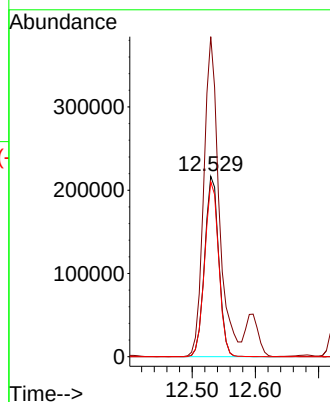
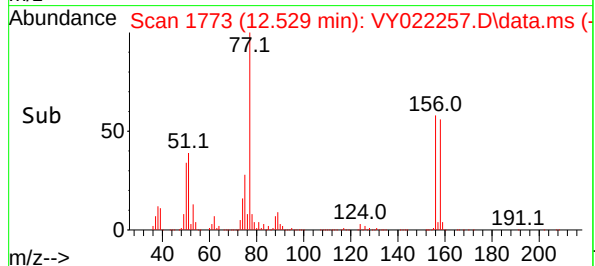
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 156 Resp: 337329
Ion Ratio Lower Upper
156 100
77 190.3 94.5 283.6
158 96.8 48.4 145.3

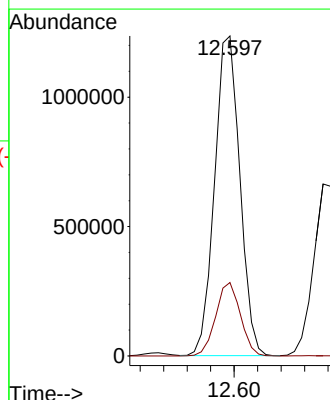
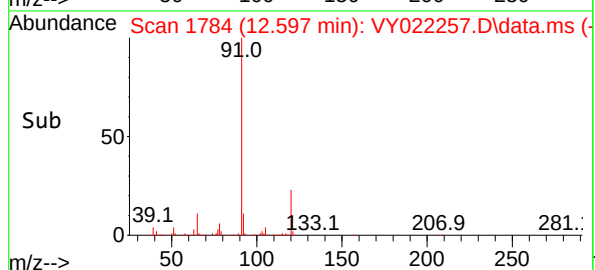
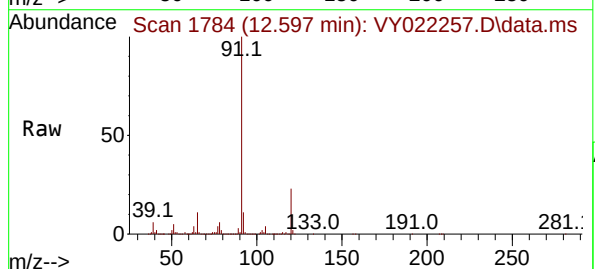
Manual Integrations
APPROVED

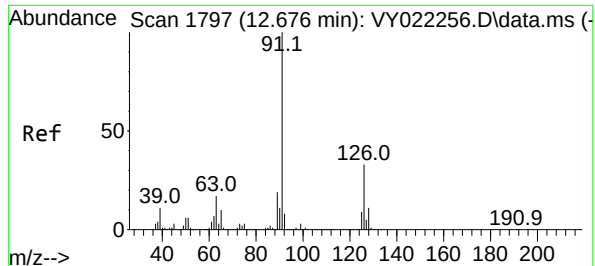
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 97.365 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1846449
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 98.488 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 102640

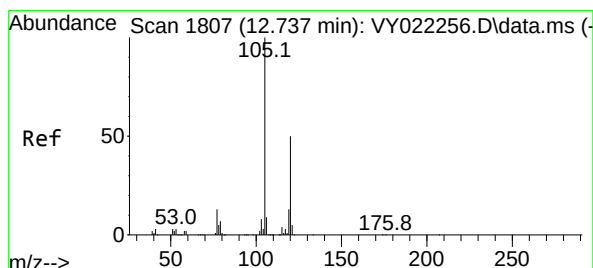
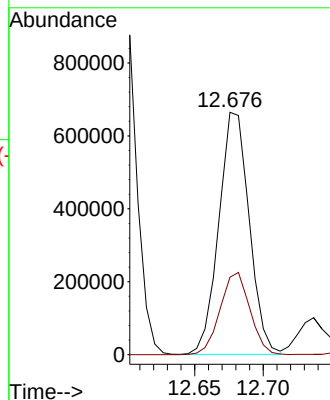
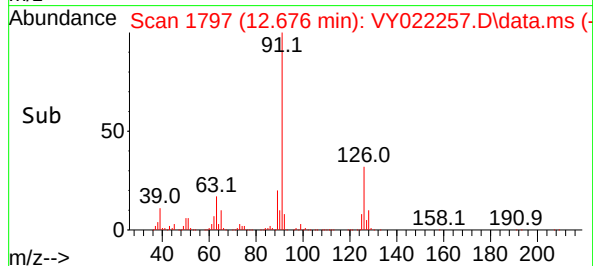
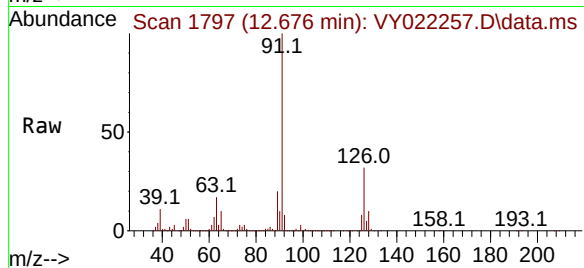
Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#80

1,3,5-Trimethylbenzene

Concen: 97.216 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022257.D

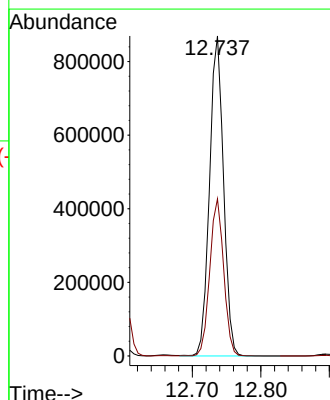
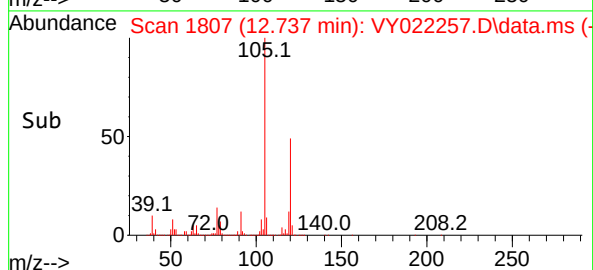
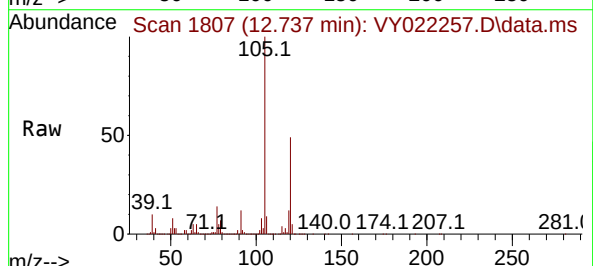
Acq: 15 May 2025 11:24

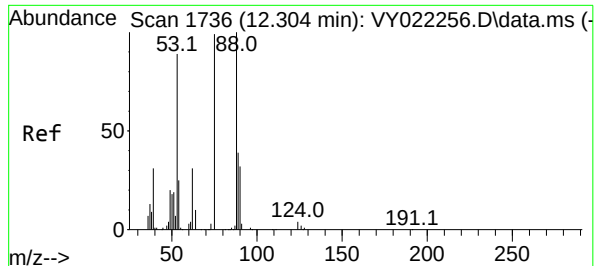
Tgt Ion:105 Resp: 1233838

Ion Ratio Lower Upper

105 100

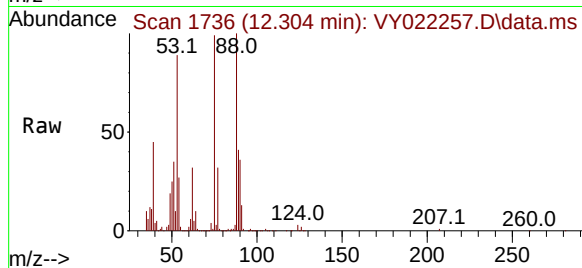
120 48.8 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 98.251 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

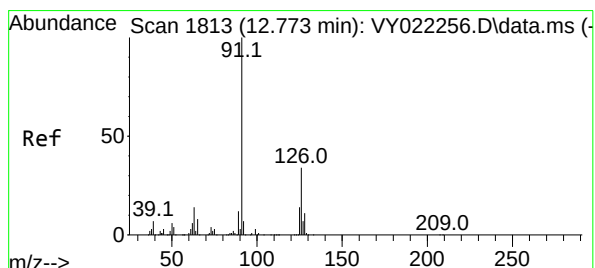
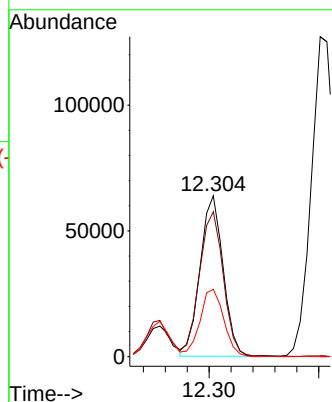
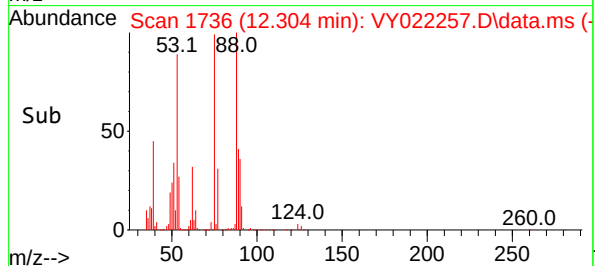
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 93252
Ion Ratio Lower Upper
75 100
53 92.8 75.8 113.8
89 43.5 36.2 54.2

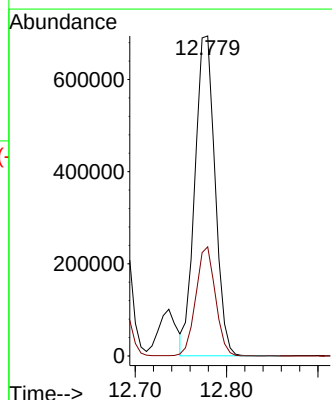
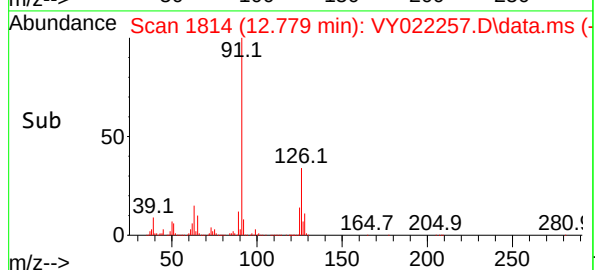
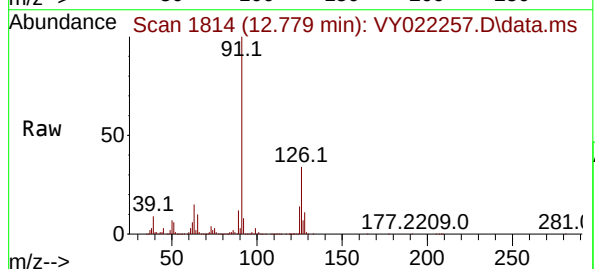
Manual Integrations
APPROVED

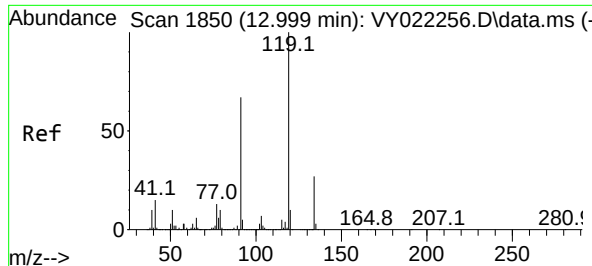
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 99.052 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

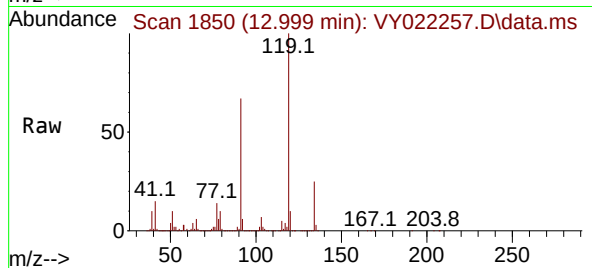
Tgt Ion: 91 Resp: 1061772
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.4





#83
tert-Butylbenzene
Concen: 96.859 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

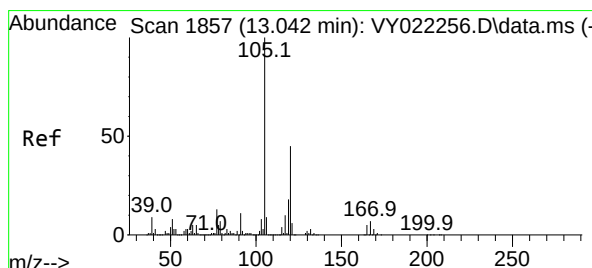
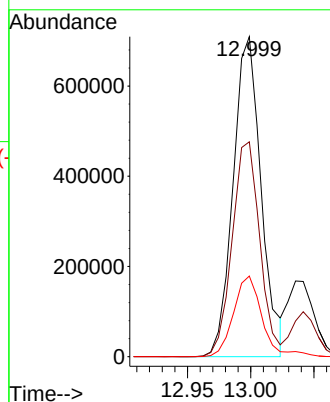
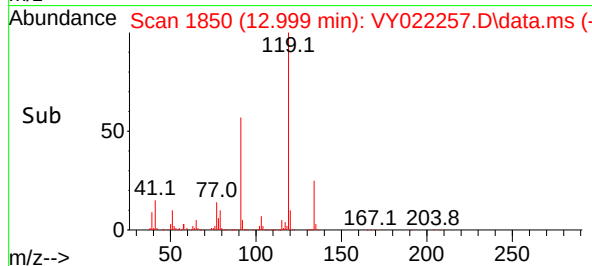
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 109261
Ion Ratio Lower Upper
119 100
91 66.3 32.8 98.3
134 25.8 12.9 38.6

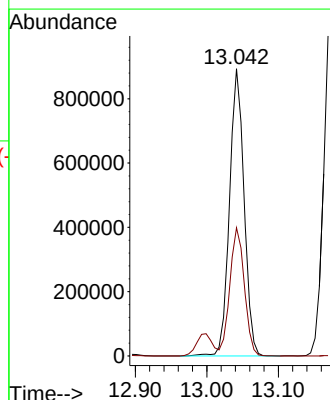
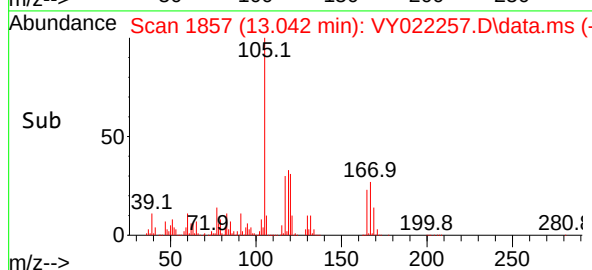
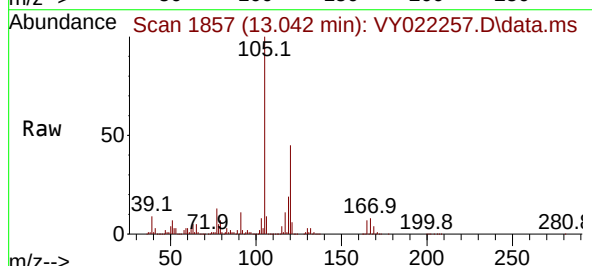
Manual Integrations
APPROVED

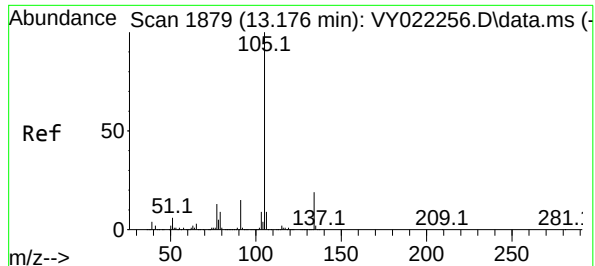
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 100.297 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1263612
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 97.623 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 1634720

Ion Ratio Lower Upper

105 100

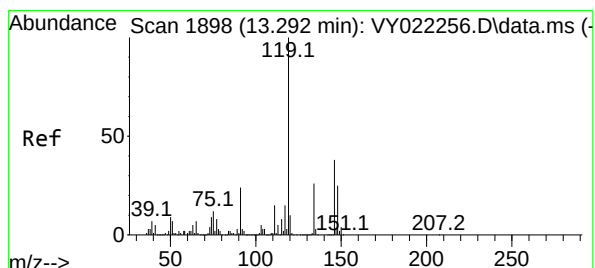
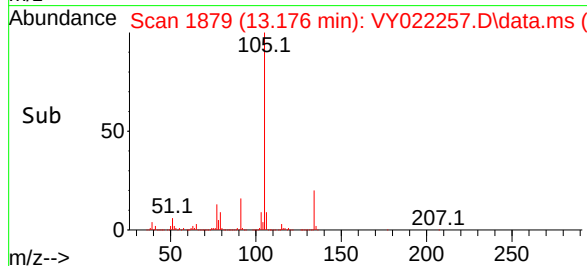
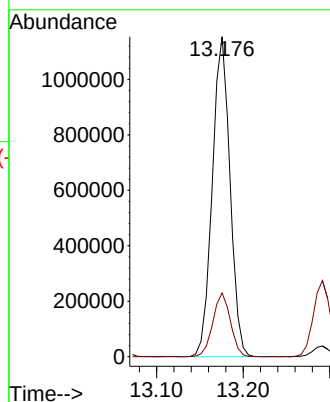
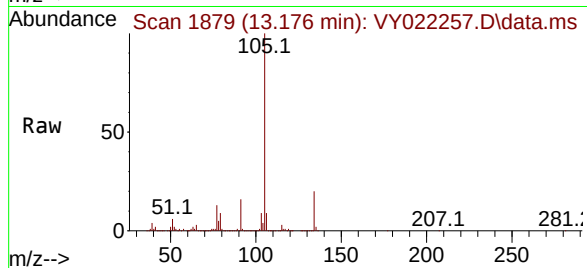
134 19.8 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#86

p-Isopropyltoluene

Concen: 101.161 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

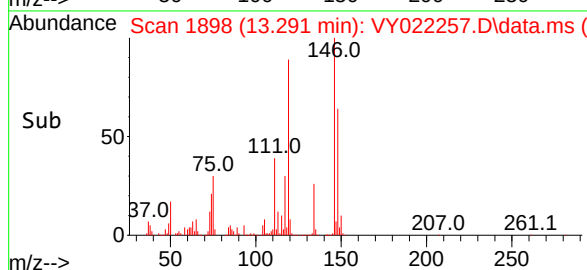
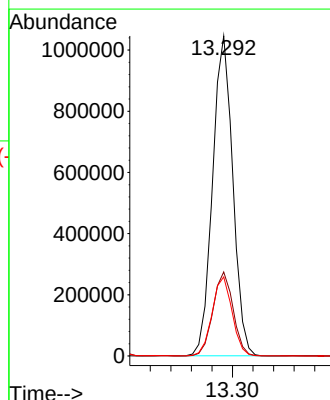
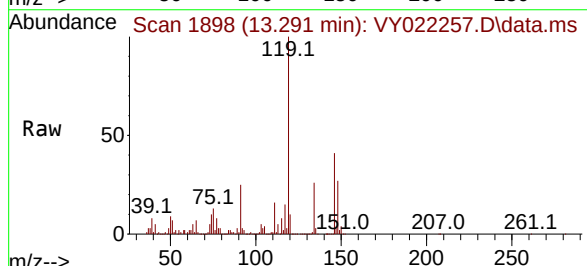
Tgt Ion:119 Resp: 1424684

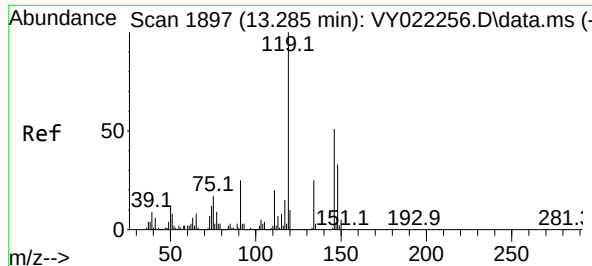
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 101.803 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 69786

Ion Ratio Lower Upper

146 100

111 40.7 19.9 59.7

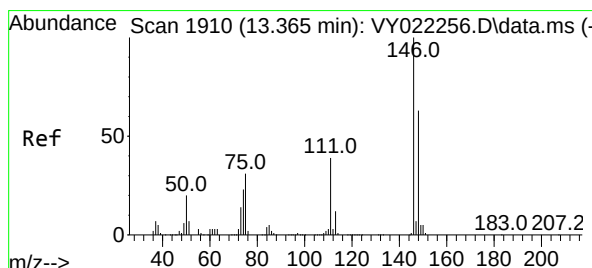
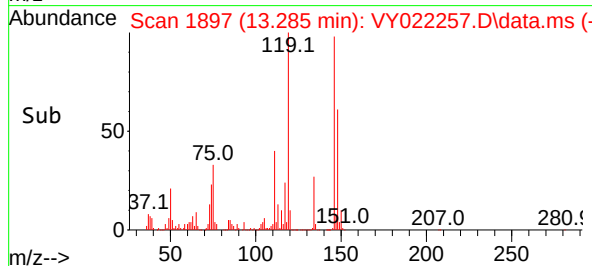
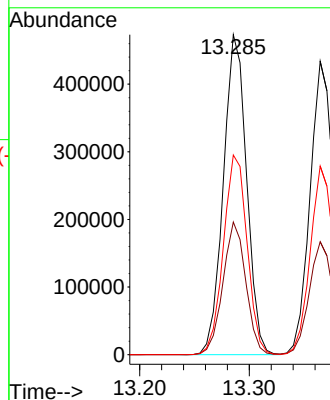
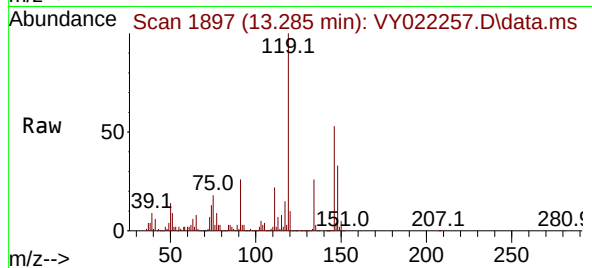
148 63.6 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 99.199 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

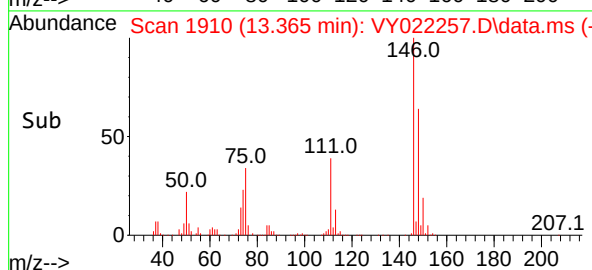
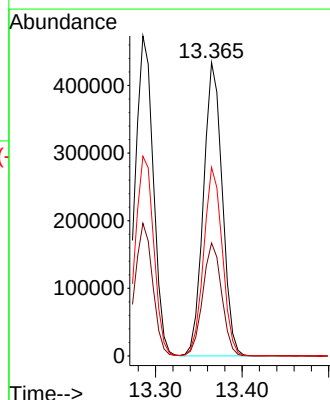
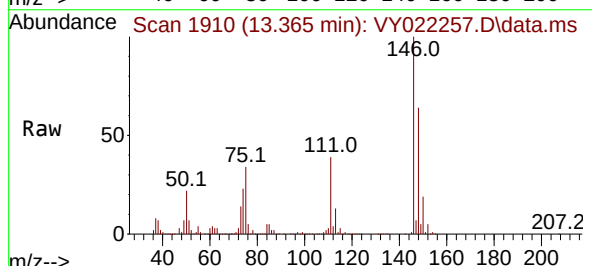
Tgt Ion:146 Resp: 654104

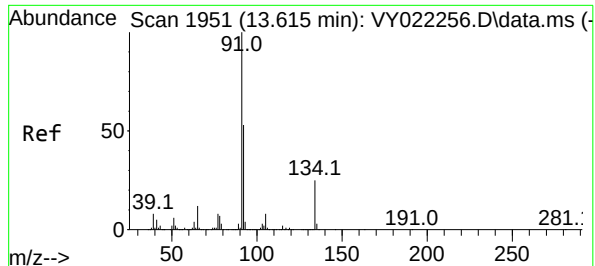
Ion Ratio Lower Upper

146 100

111 38.6 20.0 59.9

148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 98.327 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 131006

Ion Ratio Lower Upper

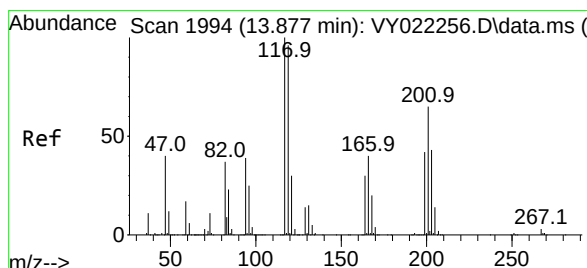
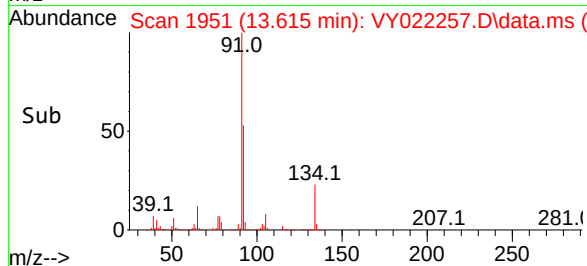
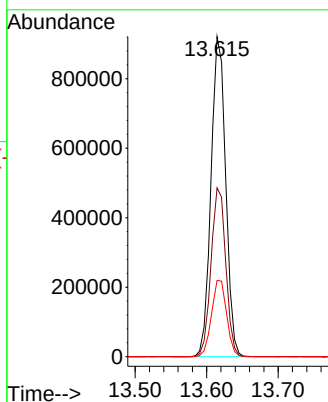
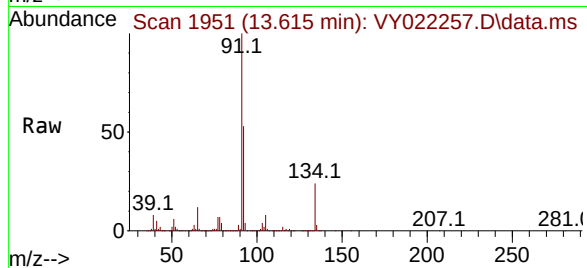
91 100

92 53.1 26.3 78.9

134 24.6 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#90

Hexachloroethane

Concen: 96.961 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY022257.D

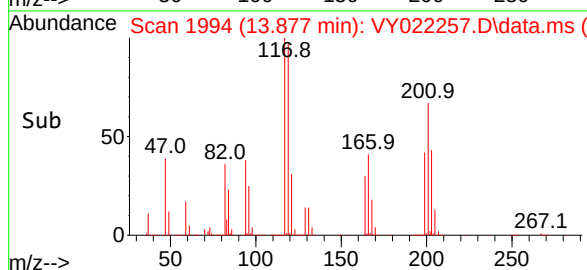
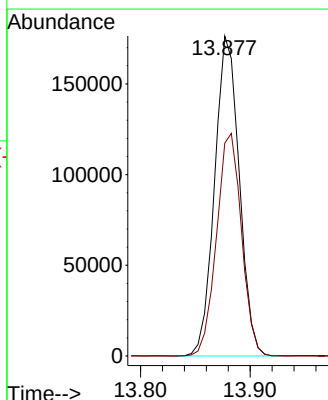
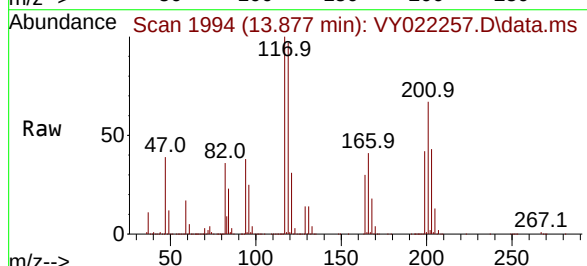
Acq: 15 May 2025 11:24

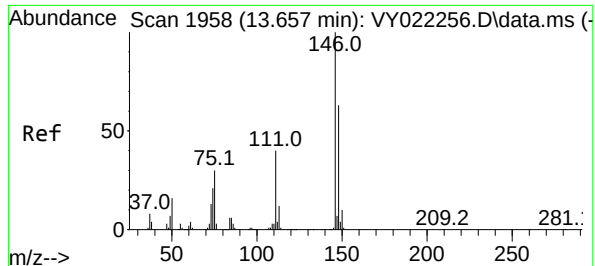
Tgt Ion:117 Resp: 275652

Ion Ratio Lower Upper

117 100

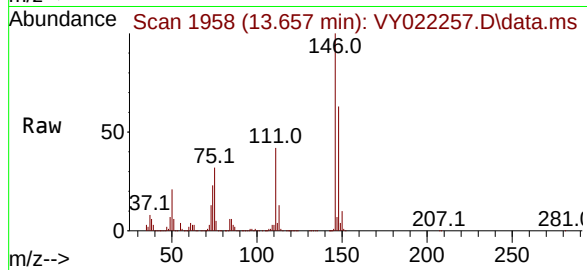
201 70.4 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 100.192 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

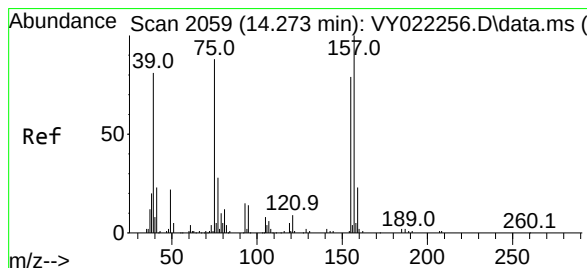
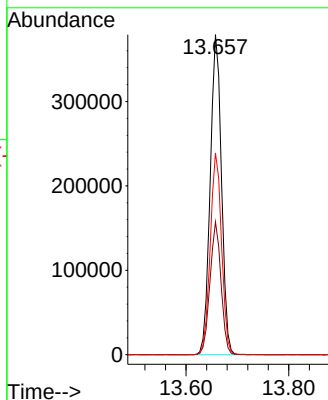
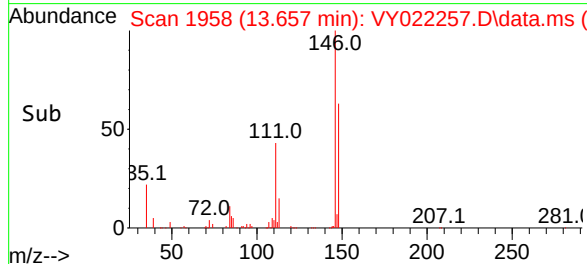
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:146 Resp: 576915
Ion Ratio Lower Upper
146 100
111 40.8 20.5 61.5
148 63.2 32.0 96.0

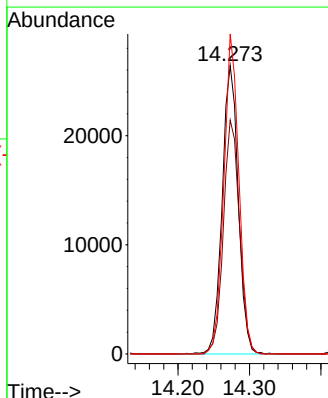
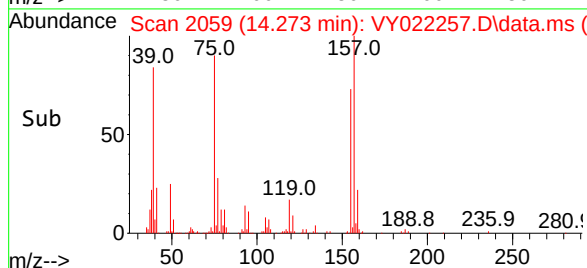
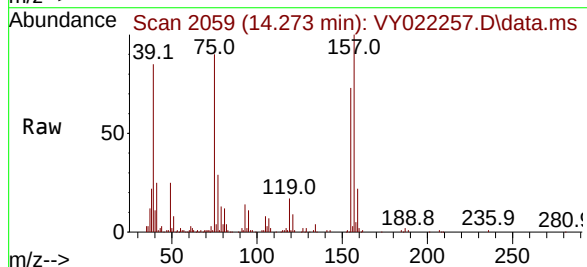
Manual Integrations
APPROVED

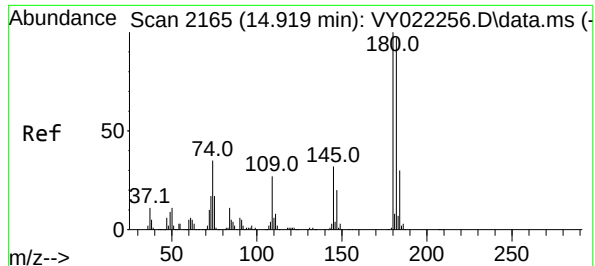
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 105.859 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 41275
Ion Ratio Lower Upper
75 100
155 81.3 43.4 130.1
157 104.0 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 103.107 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 342939

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.0

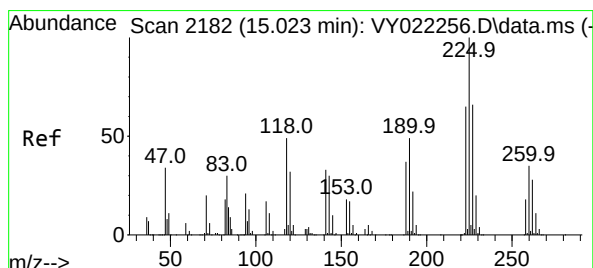
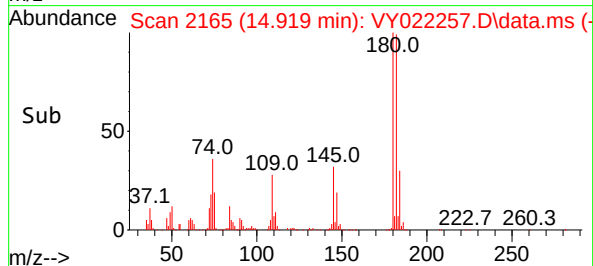
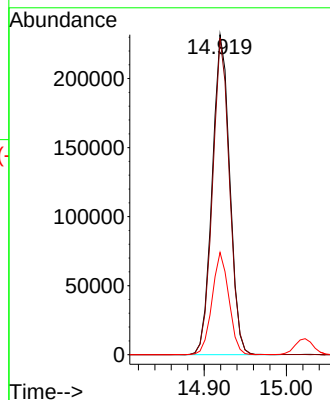
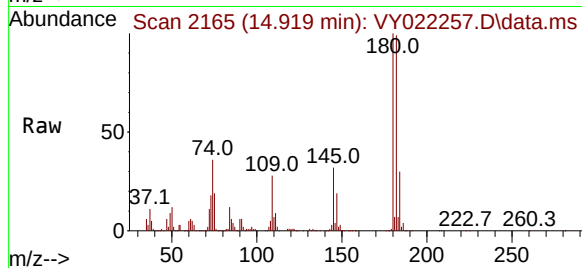
145 30.7 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

Concen: 97.075 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022257.D

Acq: 15 May 2025 11:24

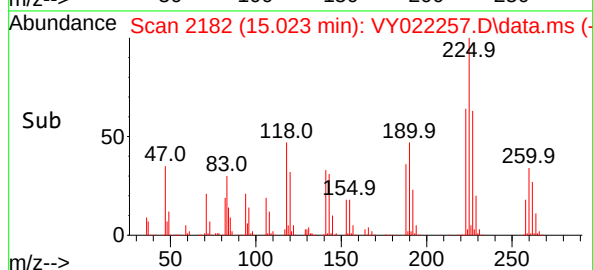
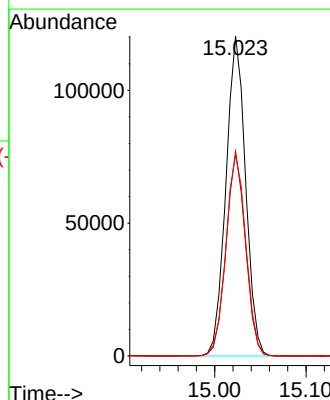
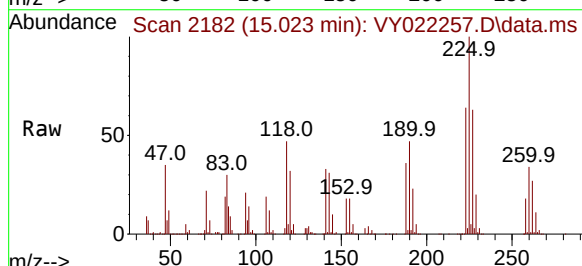
Tgt Ion:225 Resp: 180060

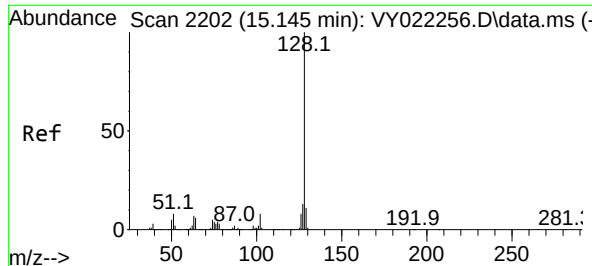
Ion Ratio Lower Upper

225 100

223 62.8 31.5 94.5

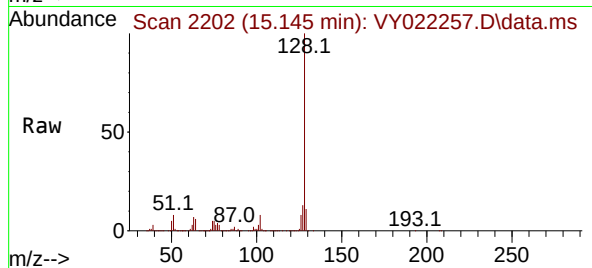
227 64.1 32.1 96.3





#95
Naphthalene
Concen: 106.935 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

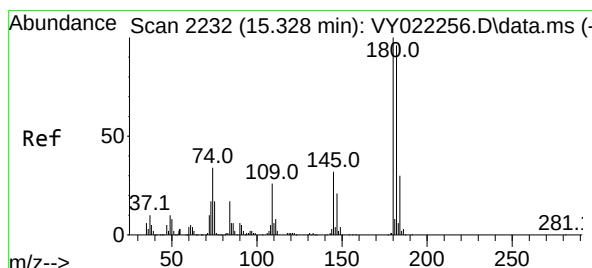
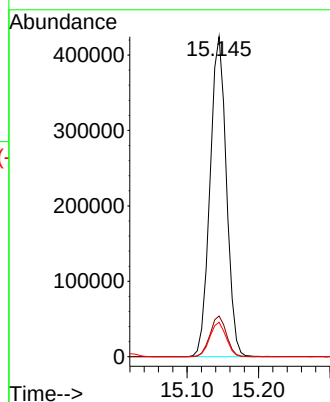
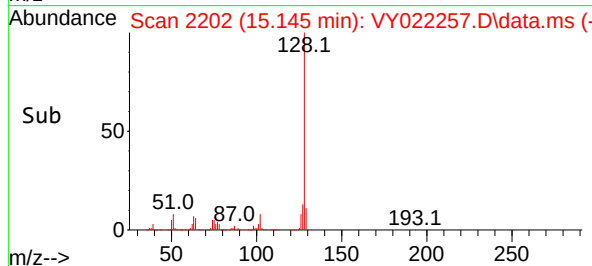
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



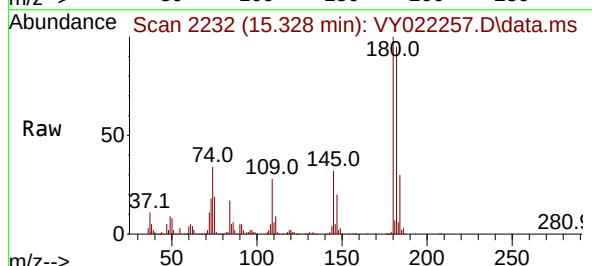
Tgt Ion:128 Resp: 674950
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2

Manual Integrations
APPROVED

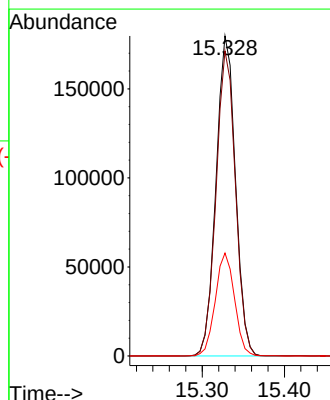
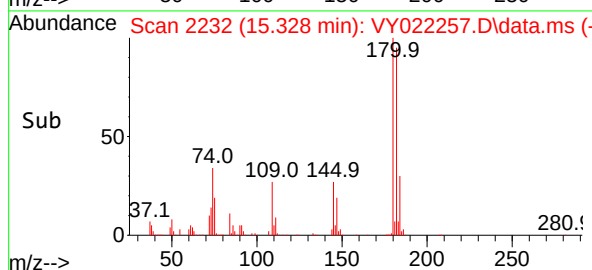
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.488 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



Tgt Ion:180 Resp: 294823
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 31.8 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022258.D
 Acq On : 15 May 2025 11:47
 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 : Mahesh Dadoda 05/16/2025
 Supervised By : Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	271027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#			
35) Dibromofluoromethane	7.634	113	412318	155.969	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#			
50) Toluene-d8	10.103	98	1689714	156.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#			
62) 4-Bromofluorobenzene	12.402	95	541367	157.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760	ug/l	100
3) Chloromethane	2.068	50	727243	122.246	ug/l	99
4) Vinyl Chloride	2.202	62	902596	135.801	ug/l	97
5) Bromomethane	2.586	94	780107	144.182	ug/l	99
6) Chloroethane	2.727	64	590870	142.898	ug/l	98
7) Trichlorofluoromethane	3.050	101	989291	147.013	ug/l	99
8) Diethyl Ether	3.452	74	236216	146.270	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588	ug/l	100
10) Methyl Iodide	4.001	142	518980	153.489	ug/l	98
11) Tert butyl alcohol	4.866	59	172549	762.834	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697	ug/l	97
13) Acrolein	3.653	56	237291	717.595	ug/l	98
14) Allyl chloride	4.379	41	756728	148.866	ug/l	100
15) Acrylonitrile	5.055	53	512850	770.708	ug/l	100
16) Acetone	3.873	43	375443	675.976	ug/l	99
17) Carbon Disulfide	4.104	76	1365378	144.429	ug/l	100
18) Methyl Acetate	4.385	43	282084	166.915	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279	ug/l	98
20) Methylene Chloride	4.616	84	448817	125.059	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547	ug/l	99
22) Diisopropyl ether	6.019	45	1626927	151.557	ug/l	99
23) Vinyl Acetate	5.958	43	4953644	763.831	ug/l	100
24) 1,1-Dichloroethane	5.915	63	879785	146.697	ug/l	99
25) 2-Butanone	6.890	43	708010	762.091	ug/l	98
26) 2,2-Dichloropropane	6.884	77	787195	147.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601	ug/l	100
28) Bromochloromethane	7.244	49	387221	151.369	ug/l	100
29) Tetrahydrofuran	7.262	42	472224	790.072	ug/l	100
30) Chloroform	7.421	83	859317	149.381	ug/l	98
31) Cyclohexane	7.701	56	821784	137.144	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554	ug/l	99
36) 1,1-Dichloropropene	7.835	75	658871	151.316	ug/l	99
37) Ethyl Acetate	6.982	43	320686	153.067	ug/l	99
38) Carbon Tetrachloride	7.817	117	696139	154.450	ug/l	100
39) Methylcyclohexane	9.110	83	886329	151.510	ug/l	98
40) Benzene	8.079	78	1987535	153.973	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022258.D
 Acq On : 15 May 2025 11:47
 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 :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	202603m	132.161	ug/l	
42) 1,2-Dichloroethane	8.159	62	534517	153.124	ug/l	99
43) Isopropyl Acetate	8.195	43	704366	154.159	ug/l #	89
44) Trichloroethene	8.866	130	481990	150.171	ug/l	96
45) 1,2-Dichloropropane	9.140	63	472217	151.736	ug/l	97
46) Dibromomethane	9.231	93	258087	153.757	ug/l	99
47) Bromodichloromethane	9.420	83	669834	153.824	ug/l	99
48) Methyl methacrylate	9.219	41	344147	161.060	ug/l	99
49) 1,4-Dioxane	9.231	88	61019	3217.888	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822	ug/l	99
52) Toluene	10.170	92	1276917	156.216	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863	ug/l	99
56) Ethyl methacrylate	10.439	69	535897	160.058	ug/l	99
57) 1,3-Dichloropropane	10.719	76	584253	152.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675	ug/l	99
59) 2-Hexanone	10.762	43	1227881	816.860	ug/l	99
60) Dibromochloromethane	10.908	129	438666	157.237	ug/l	99
61) 1,2-Dibromoethane	11.012	107	308529	154.008	ug/l	99
64) Tetrachloroethene	10.646	164	501627	139.237	ug/l	100
65) Chlorobenzene	11.438	112	1336594	151.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952	ug/l	100
67) Ethyl Benzene	11.518	91	2598027	157.756	ug/l	99
68) m/p-Xylenes	11.627	106	1992413	321.066	ug/l	99
69) o-Xylene	11.957	106	937727	159.714	ug/l	99
70) Styrene	11.969	104	1613798	162.944	ug/l	100
71) Bromoform	12.133	173	254251	155.818	ug/l #	99
73) Isopropylbenzene	12.255	105	2357568	151.387	ug/l	100
74) N-amyl acetate	12.066	43	694999	156.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	289968m	87.525	ug/l	
77) Bromobenzene	12.530	156	509579	153.206	ug/l	99
78) n-propylbenzene	12.591	91	2822794	150.276	ug/l	100
79) 2-Chlorotoluene	12.676	91	1563003	151.415	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846	ug/l	99
82) 4-Chlorotoluene	12.774	91	1616520	152.250	ug/l	99
83) tert-Butylbenzene	12.993	119	1699962	152.144	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030	ug/l	100
85) sec-Butylbenzene	13.176	105	2493393	150.330	ug/l	100
86) p-Isopropyltoluene	13.292	119	2205275	158.088	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497	ug/l	99
89) n-Butylbenzene	13.615	91	1992554	150.985	ug/l	99
90) Hexachloroethane	13.877	117	417341	148.208	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361	ug/l	99
94) Hexachlorobutadiene	15.023	225	261832	142.514	ug/l	100
95) Naphthalene	15.139	128	979369	156.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
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 :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

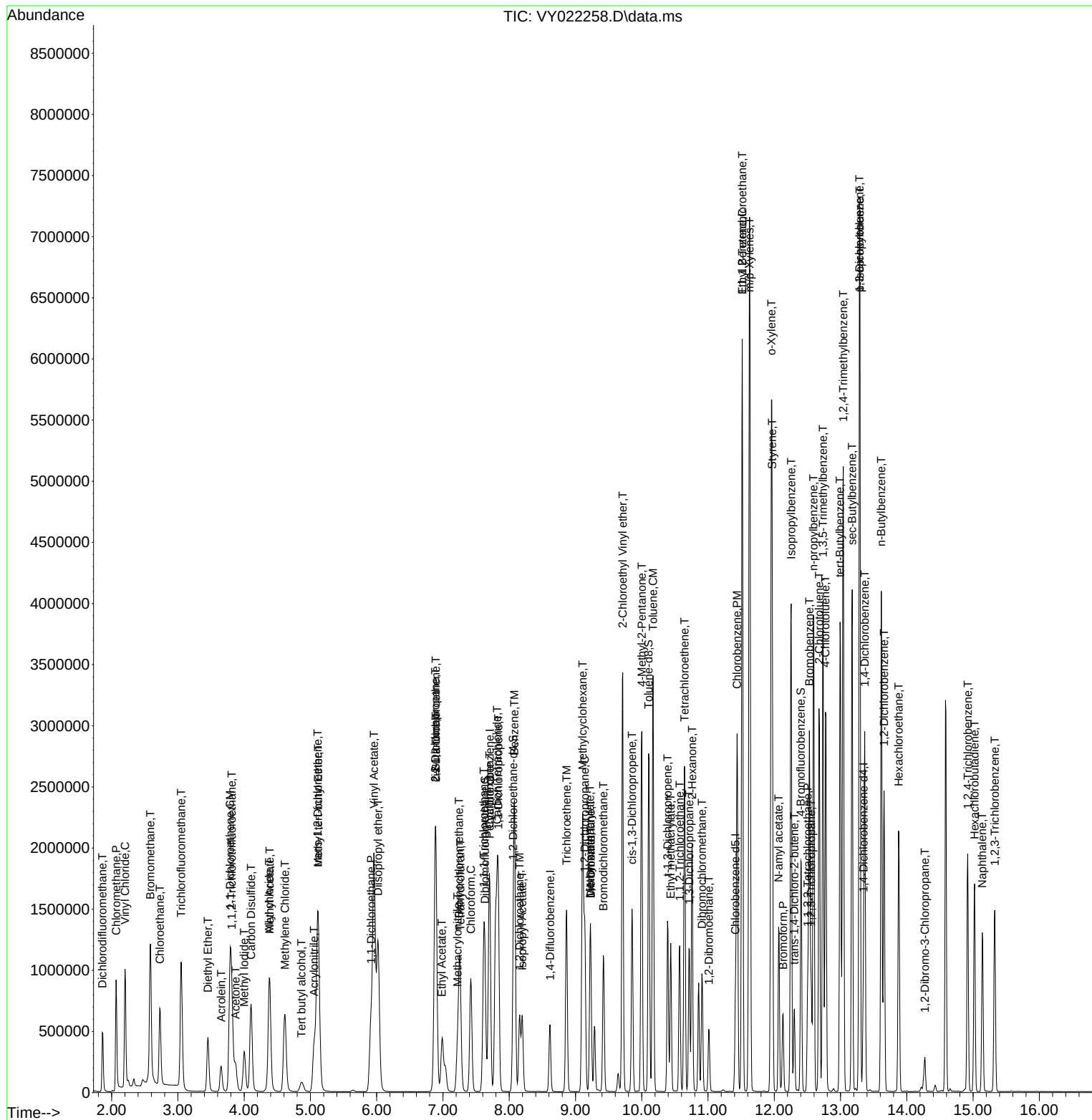
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022258.D
 Acq On : 15 May 2025 11:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

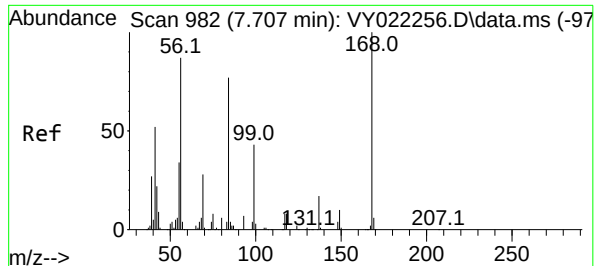
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration





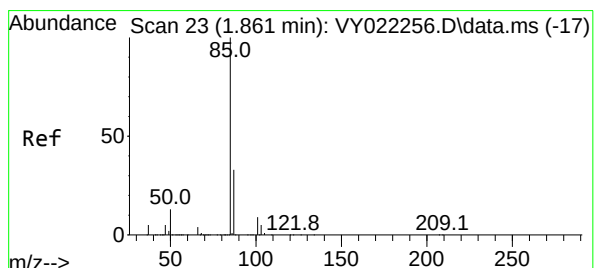
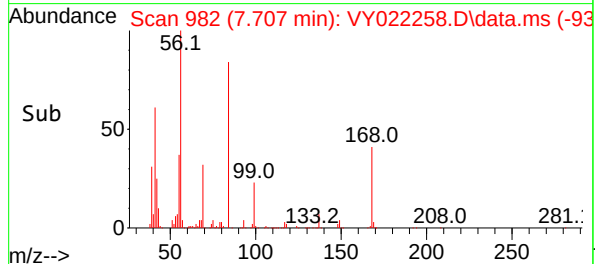
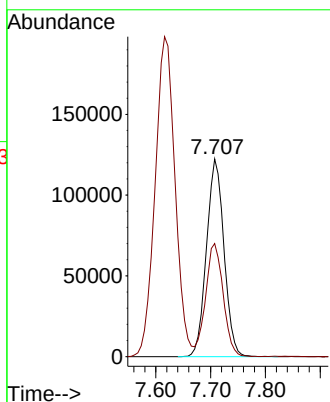
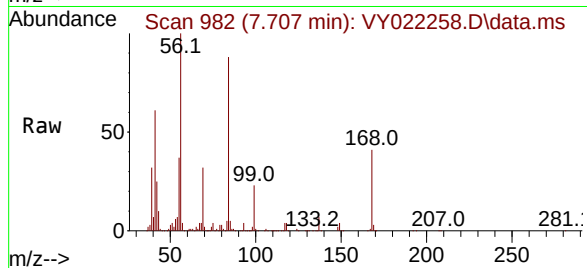
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 27102
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4

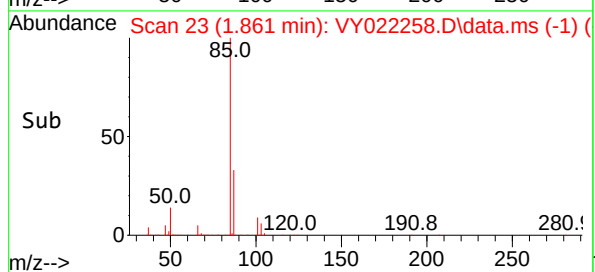
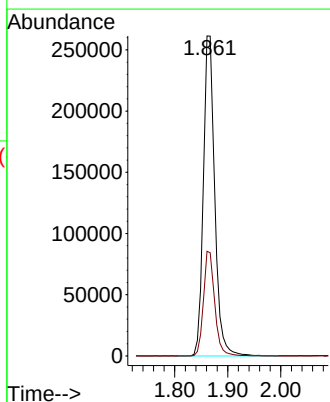
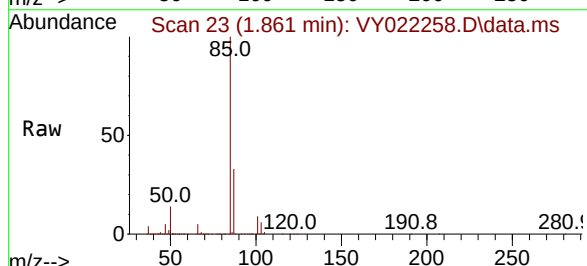
Manual Integrations
APPROVED

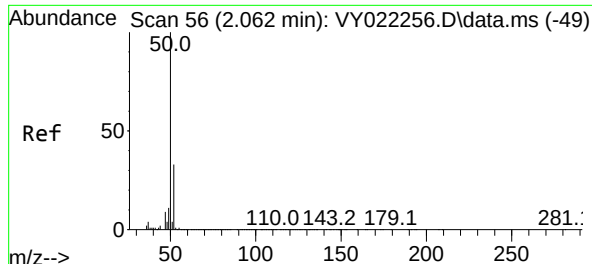
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 137.760 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

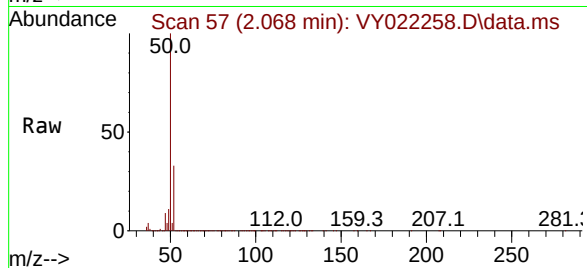
Tgt Ion: 85 Resp: 389593
Ion Ratio Lower Upper
85 100
87 32.7 16.5 49.5





#3
Chloromethane
Concen: 122.246 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

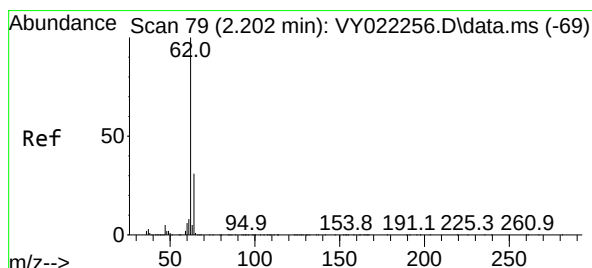
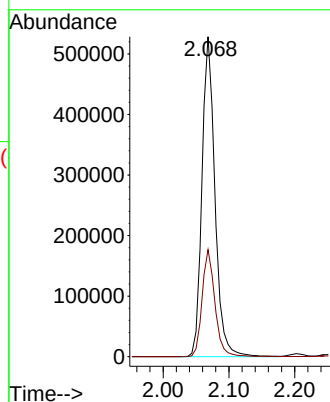
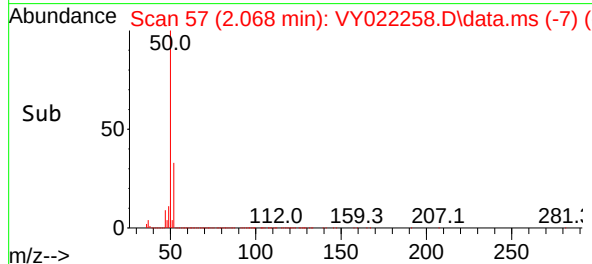
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 72724
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7

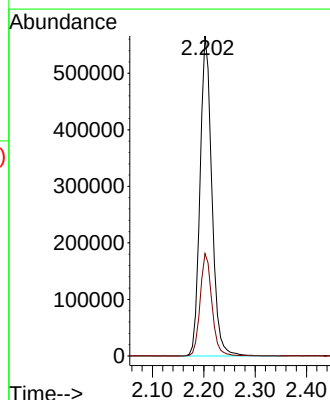
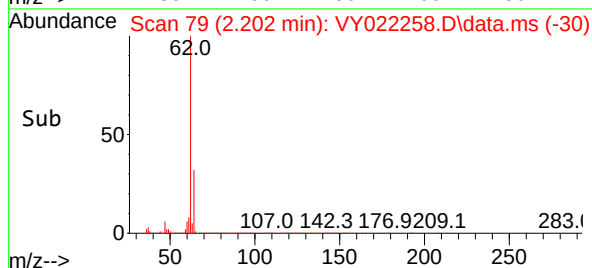
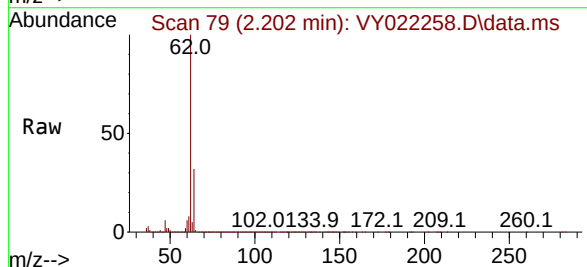
Manual Integrations
APPROVED

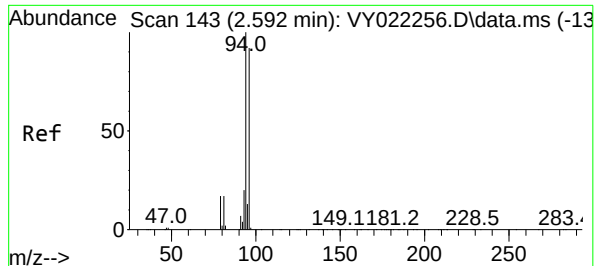
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 135.801 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

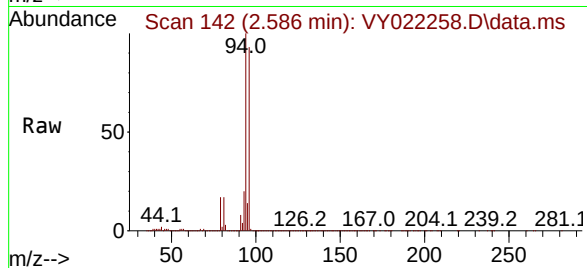
Tgt Ion: 62 Resp: 902596
Ion Ratio Lower Upper
62 100
64 32.0 24.5 36.7





#5
Bromomethane
Concen: 144.182 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

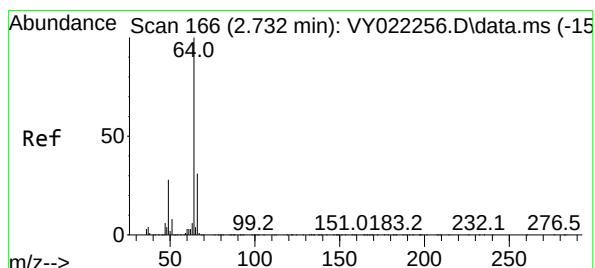
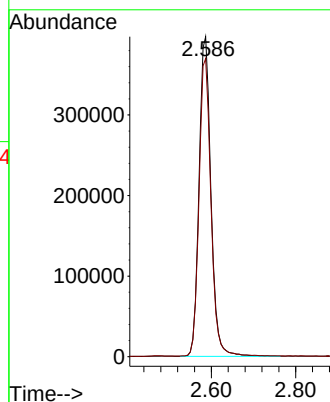
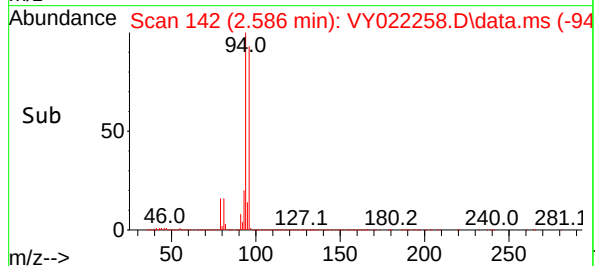
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 78010
Ion Ratio Lower Upper
94 100
96 93.0 73.4 110.0

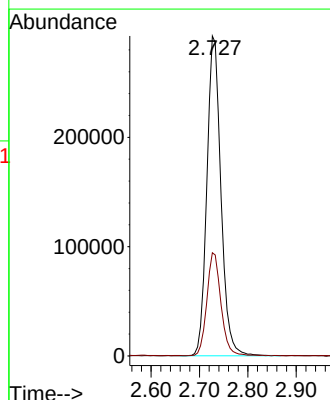
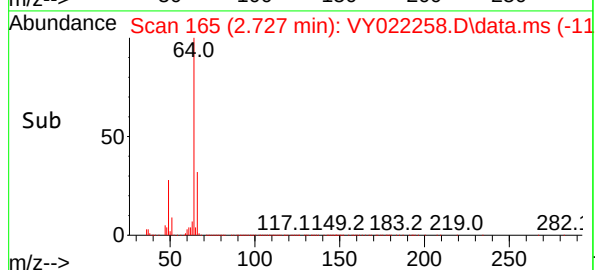
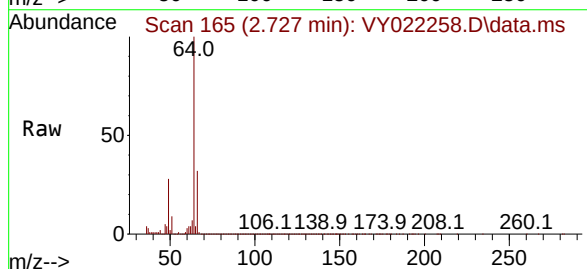
Manual Integrations
APPROVED

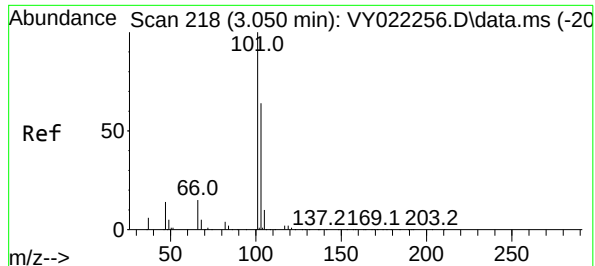
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 142.898 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

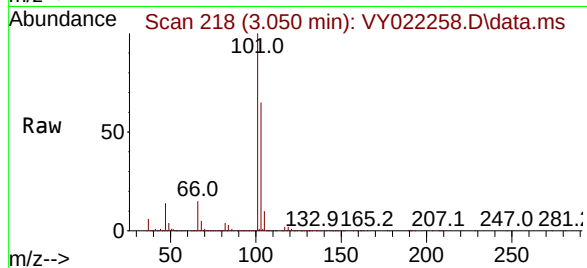
Tgt Ion: 64 Resp: 590870
Ion Ratio Lower Upper
64 100
66 32.2 24.8 37.2





#7
Trichlorofluoromethane
Concen: 147.013 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

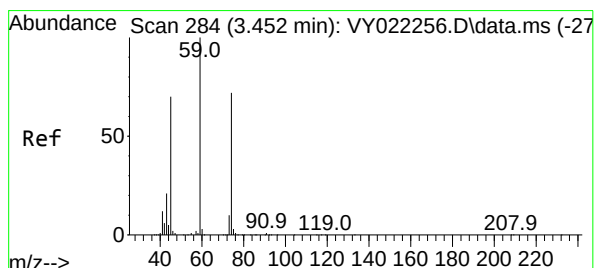
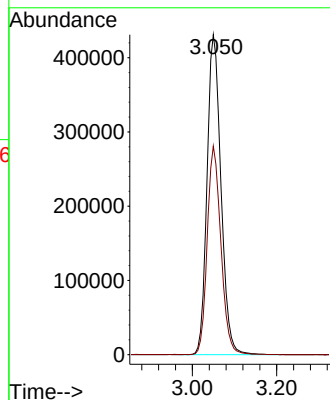
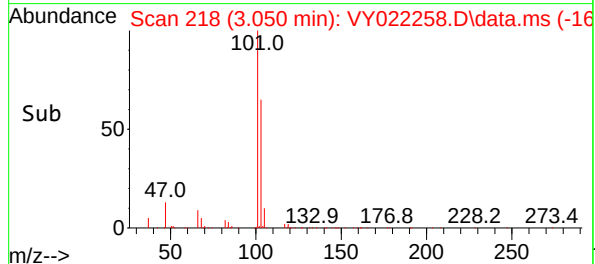
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 98929
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

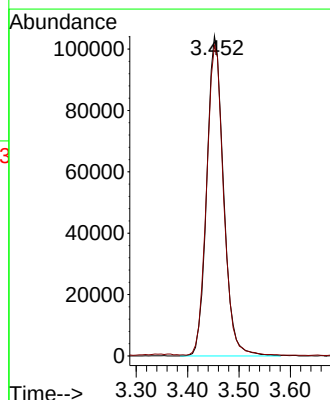
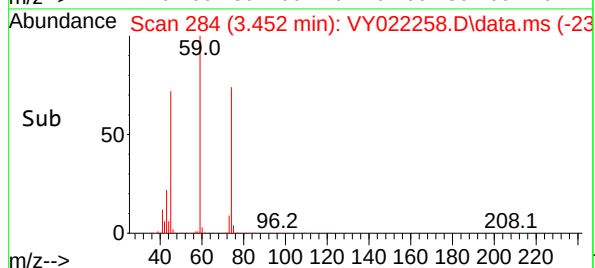
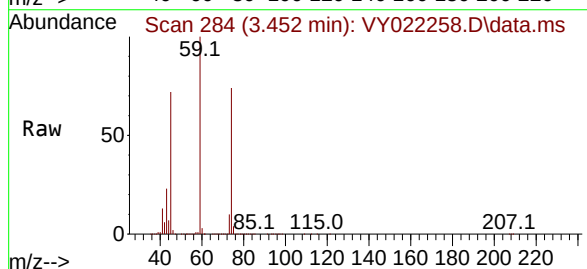
Manual Integrations
APPROVED

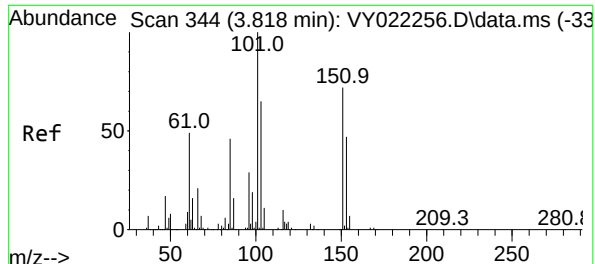
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 146.270 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 74 Resp: 236216
Ion Ratio Lower Upper
74 100
45 97.9 48.6 145.8





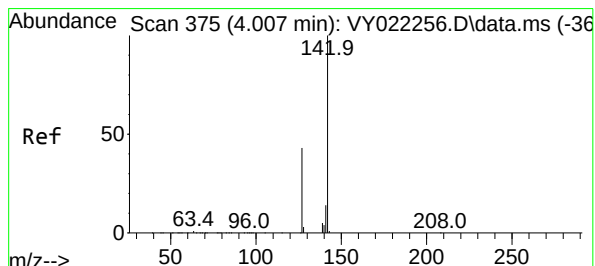
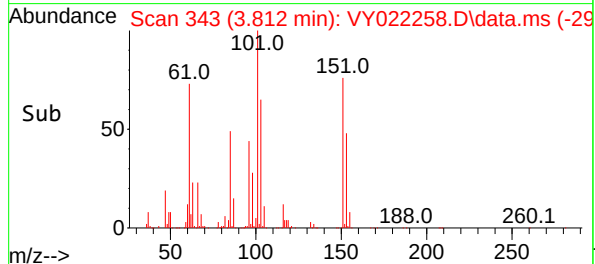
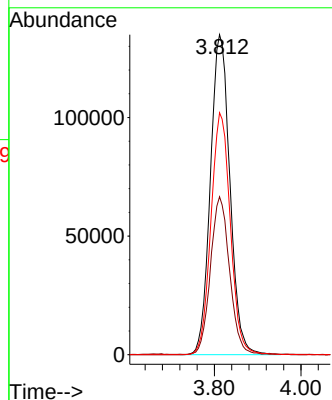
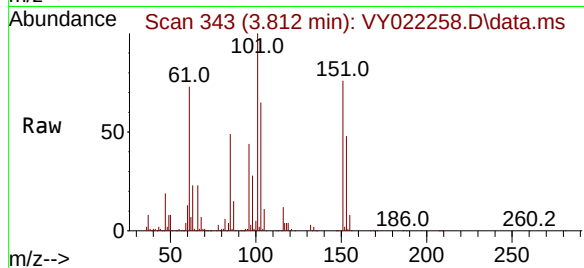
#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 422397
Ion Ratio Lower Upper
101 100
85 48.2 38.6 58.0
151 75.2 59.7 89.5

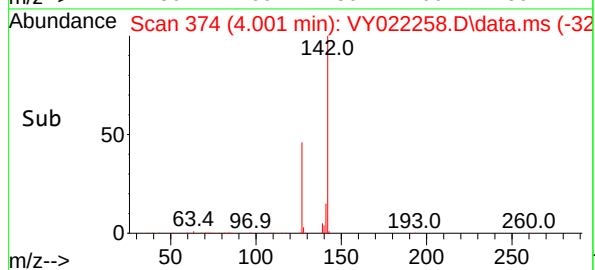
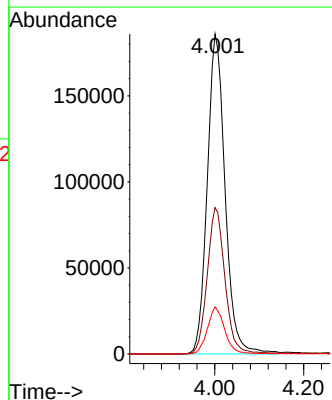
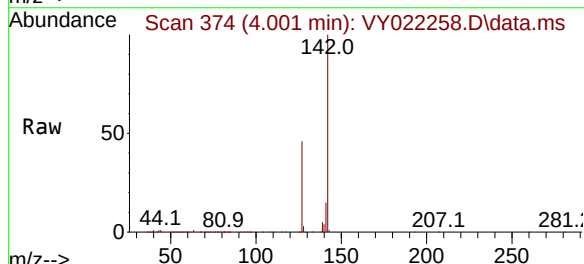
Manual Integrations
APPROVED

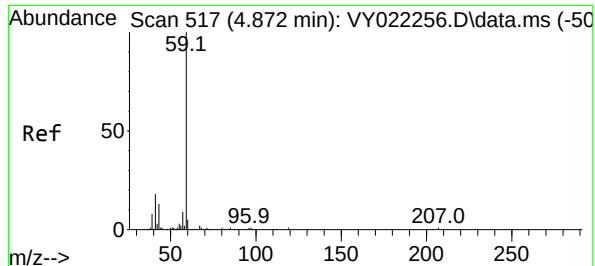
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 153.489 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:142 Resp: 518980
Ion Ratio Lower Upper
142 100
127 45.8 35.7 53.5
141 14.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 762.834 ug/l

RT: 4.866 min Scan# 517

Delta R.T. -0.006 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 172549

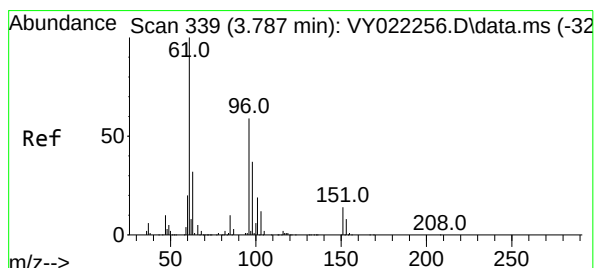
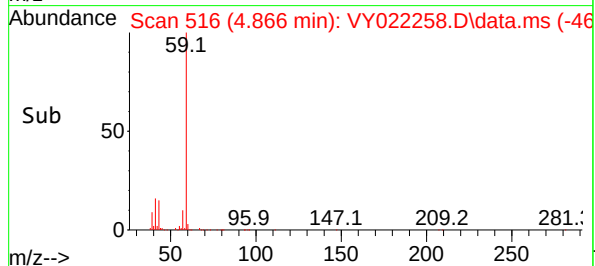
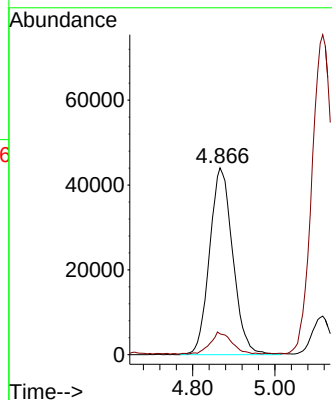
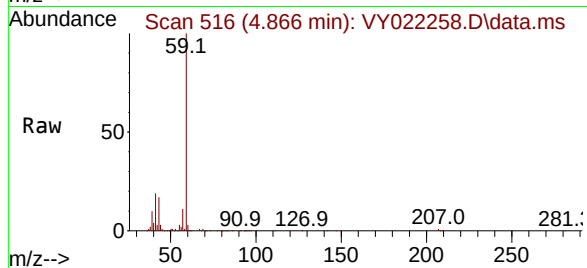
Ion Ratio Lower Upper

59 100

57 10.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 146.697 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

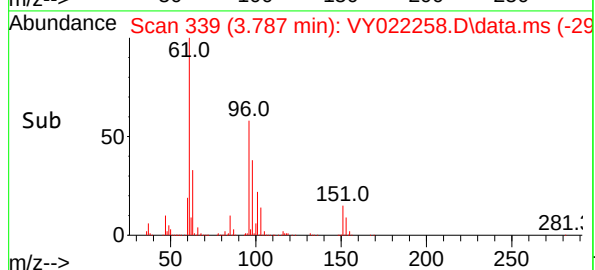
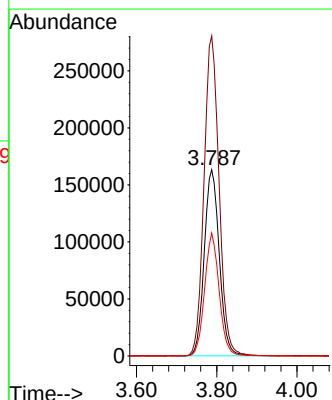
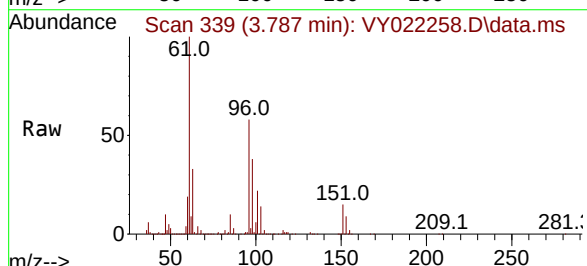
Tgt Ion: 96 Resp: 425285

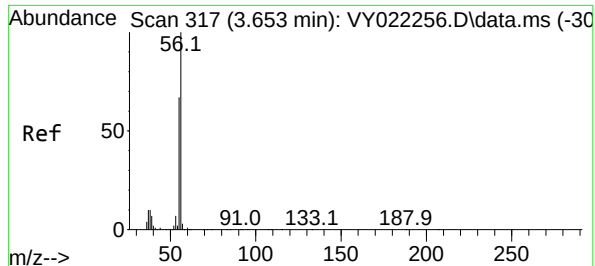
Ion Ratio Lower Upper

96 100

61 171.9 134.9 202.3

98 65.9 49.9 74.9





#13

Acrolein

Concen: 717.595 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 23729

Ion Ratio Lower Upper

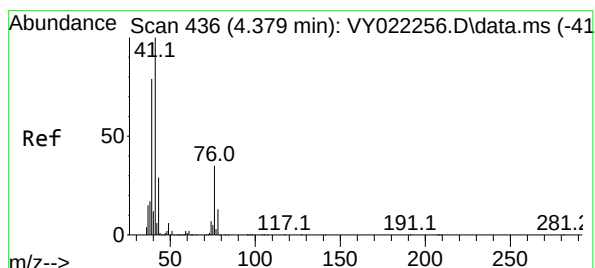
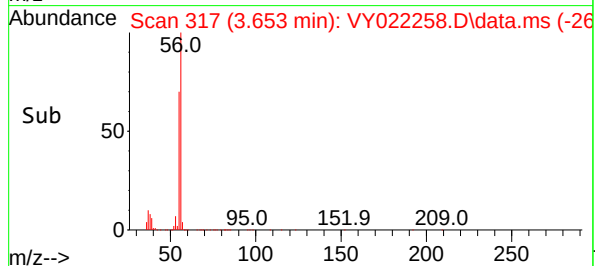
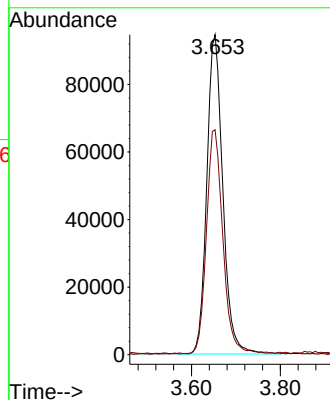
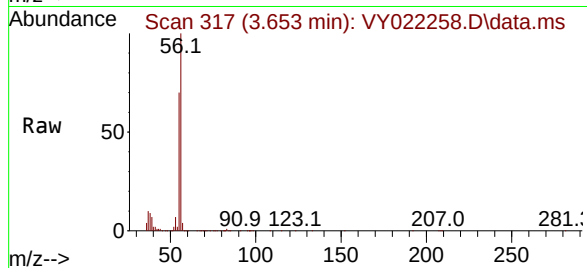
56 100

55 71.5 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 148.866 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

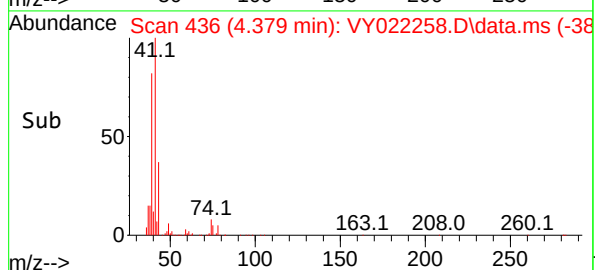
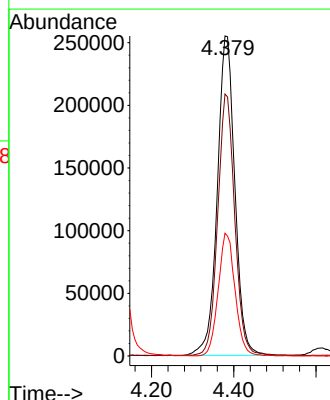
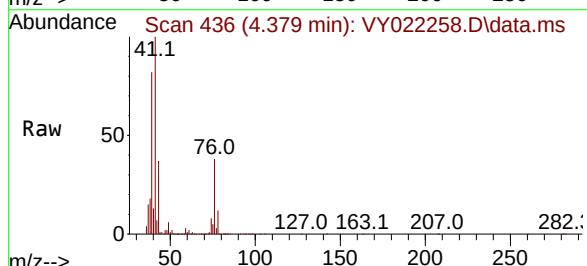
Tgt Ion: 41 Resp: 756728

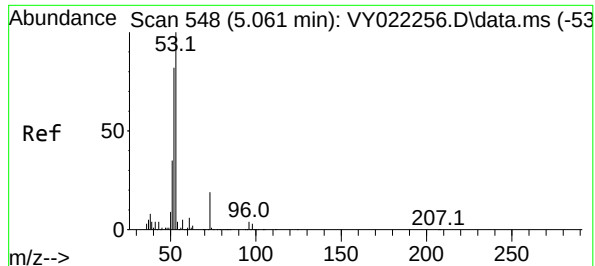
Ion Ratio Lower Upper

41 100

39 79.2 63.4 95.0

76 36.8 29.5 44.3





#15

Acrylonitrile

Concen: 770.708 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 512850

Ion Ratio Lower Upper

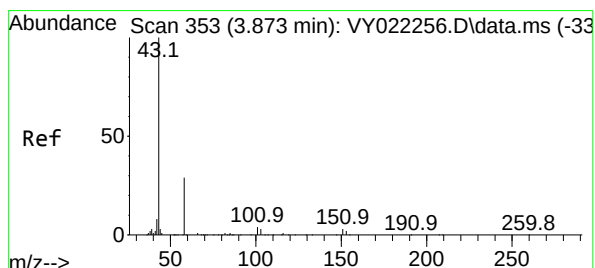
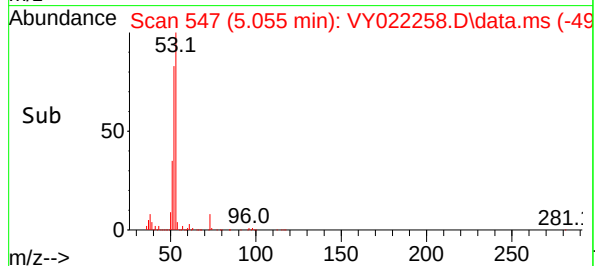
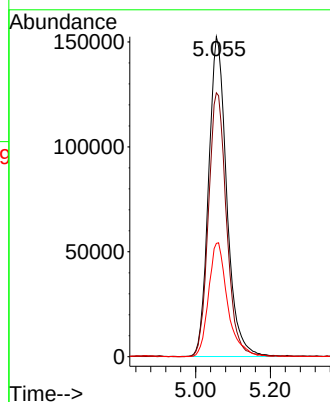
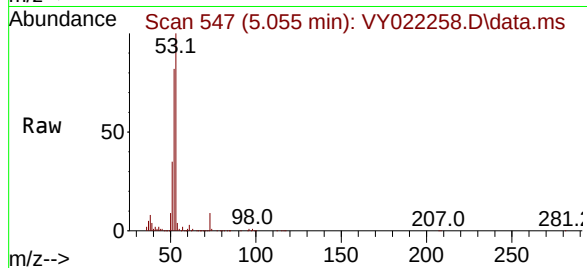
53 100

52 82.4 66.1 99.1

51 37.5 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#16

Acetone

Concen: 675.976 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY022258.D

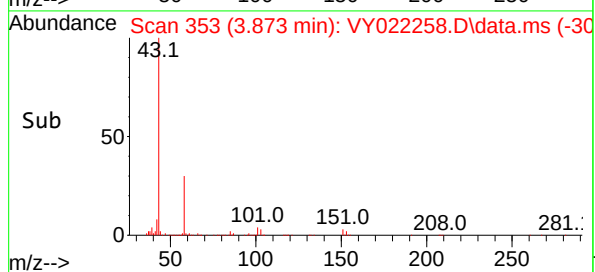
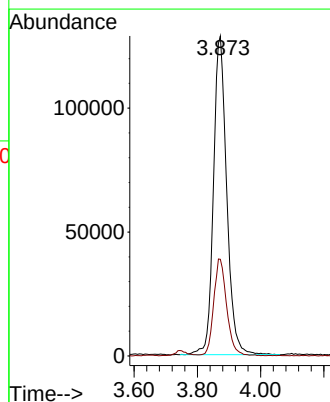
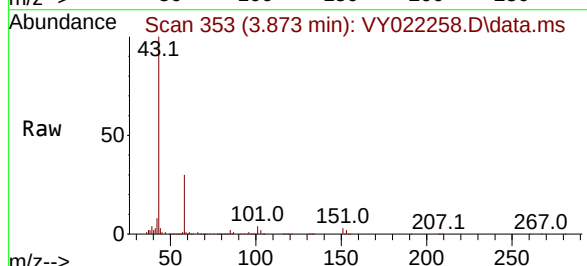
Acq: 15 May 2025 11:47

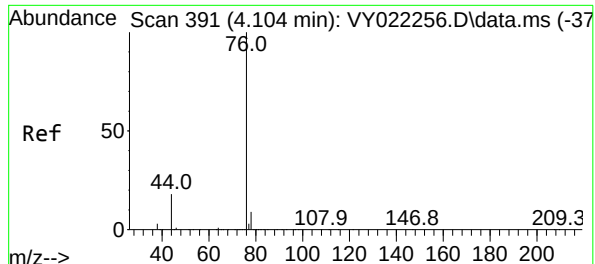
Tgt Ion: 43 Resp: 375443

Ion Ratio Lower Upper

43 100

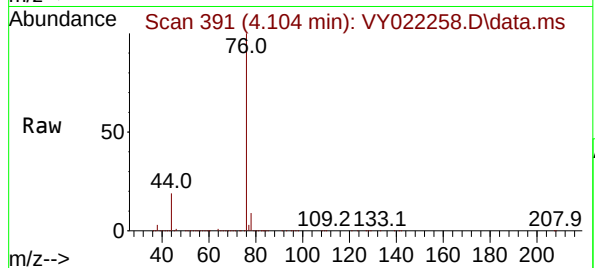
58 30.2 23.6 35.4





#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

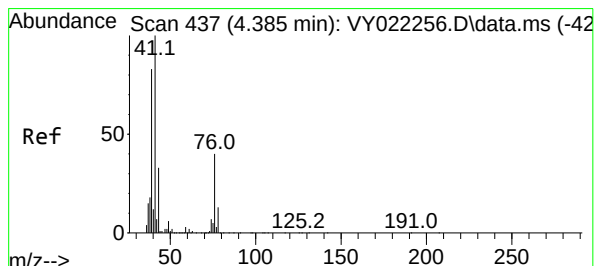
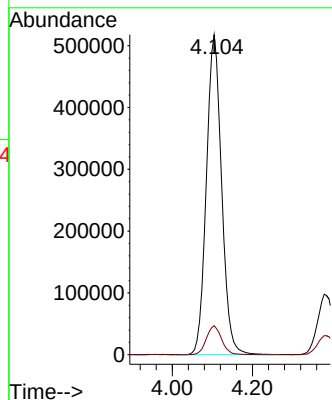
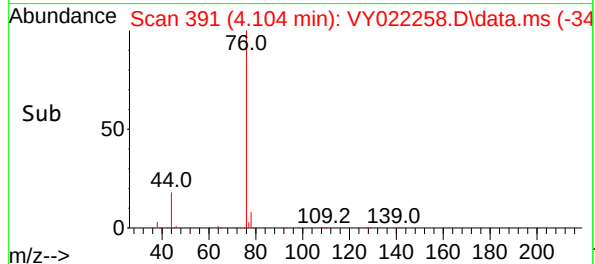
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 1365378
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

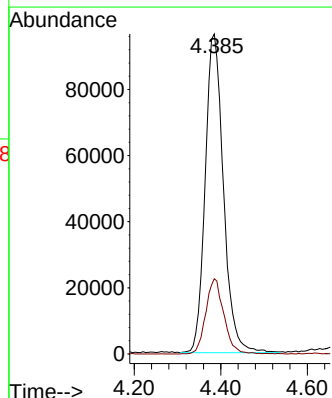
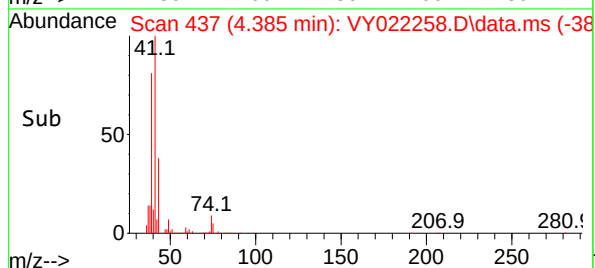
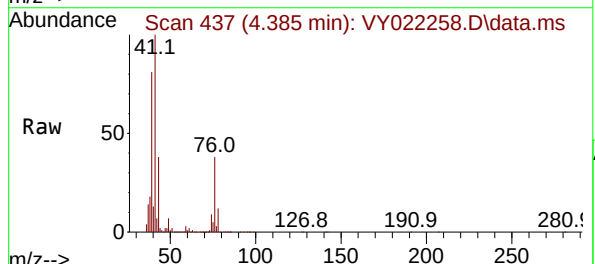
Manual Integrations
APPROVED

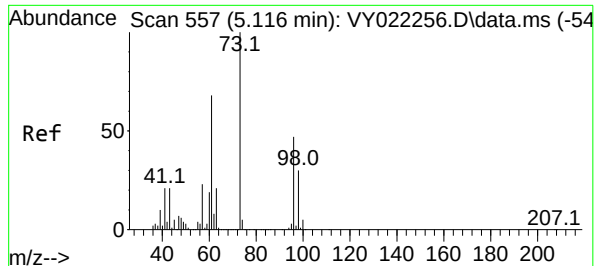
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#18
Methyl Acetate
Concen: 166.915 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

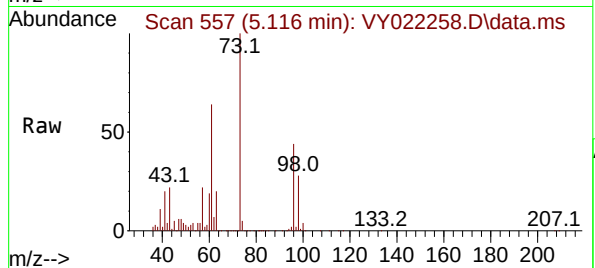
Tgt Ion: 43 Resp: 282084
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.4





#19
Methyl tert-butyl Ether
Concen: 153.279 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

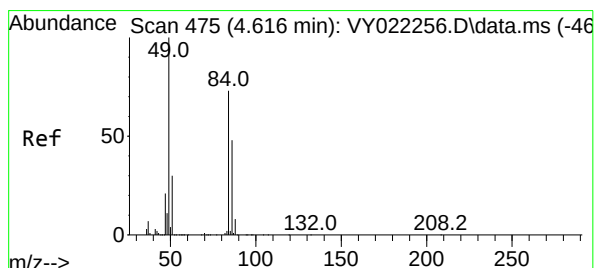
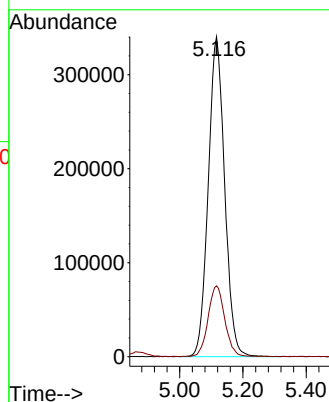
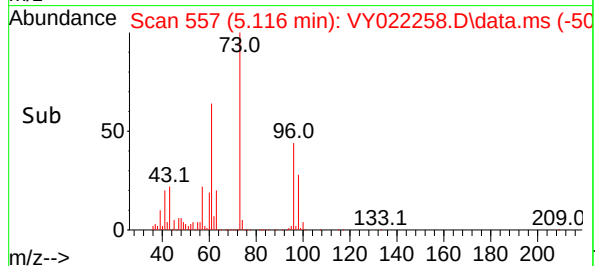
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 73 Resp: 1225258
Ion Ratio Lower Upper
73 100
57 22.1 18.6 28.0

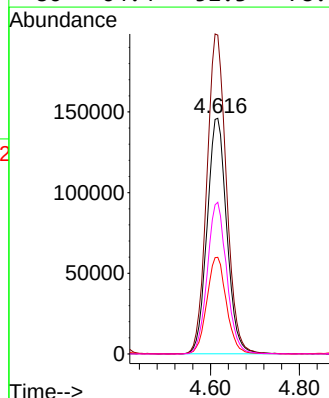
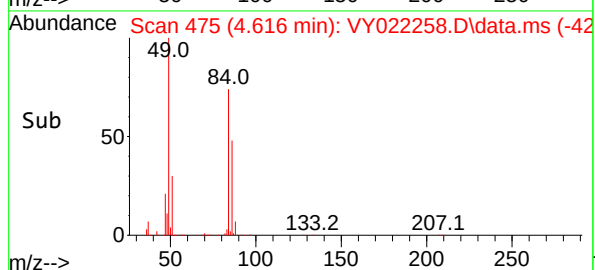
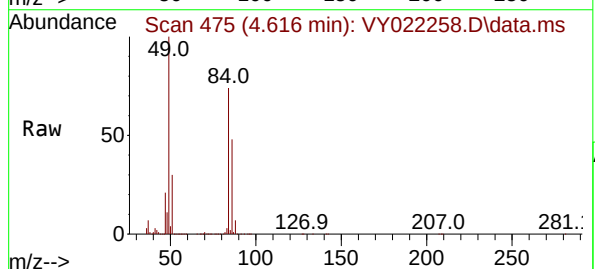
Manual Integrations
APPROVED

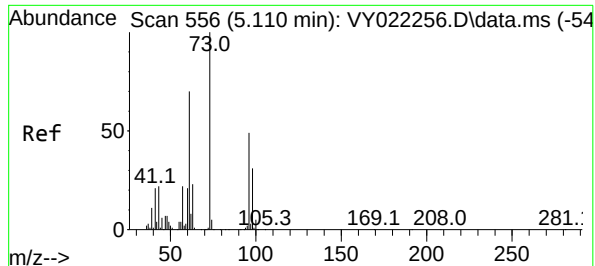
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#20
Methylene Chloride
Concen: 125.059 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

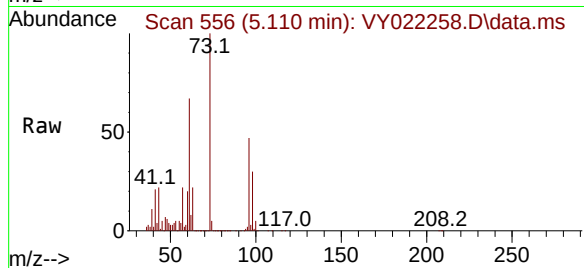
Tgt Ion: 84 Resp: 448817
Ion Ratio Lower Upper
84 100
49 135.3 109.6 164.4
51 40.9 32.4 48.6
86 64.4 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 147.547 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

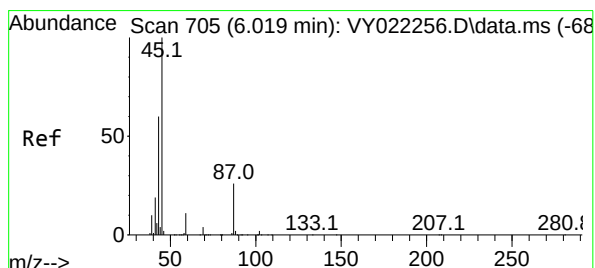
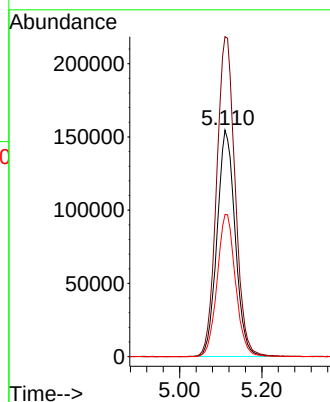
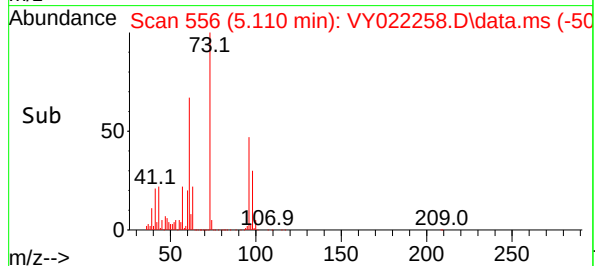
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 47214
Ion Ratio Lower Upper
96 100
61 141.3 113.4 170.0
98 62.8 50.9 76.3

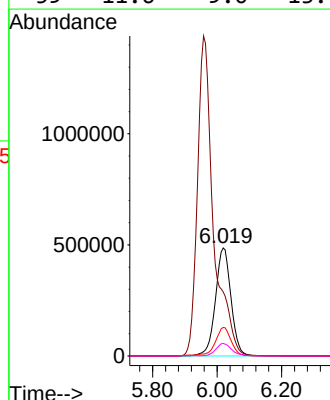
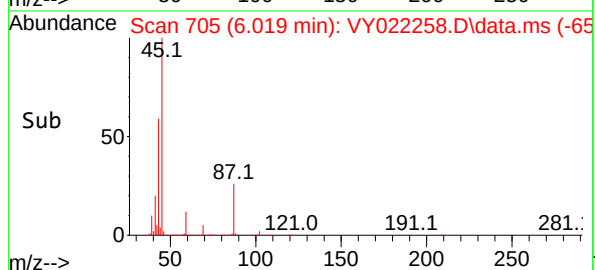
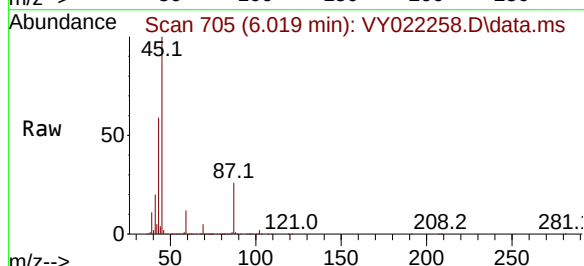
Manual Integrations
APPROVED

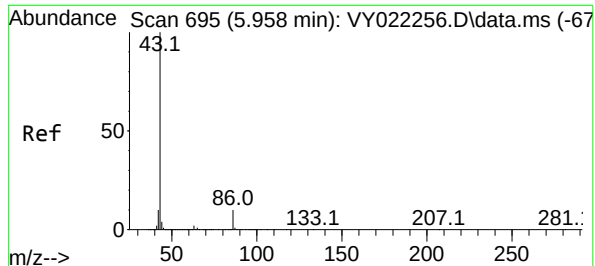
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 151.557 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 45 Resp: 1626927
Ion Ratio Lower Upper
45 100
43 59.2 48.2 72.2
87 26.4 21.4 32.0
59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 763.831 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 495364

Ion Ratio Lower Upper

43 100

86 9.7

7.8

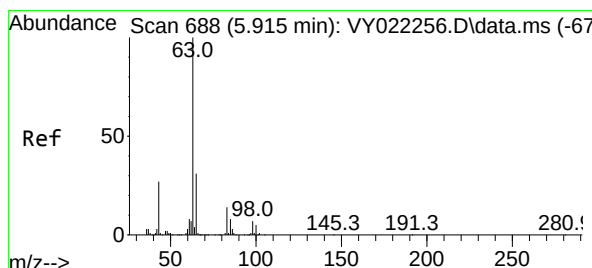
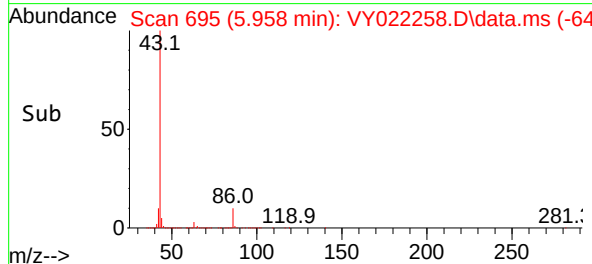
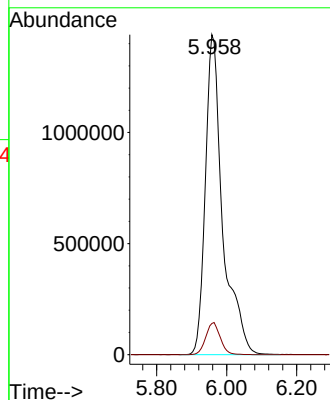
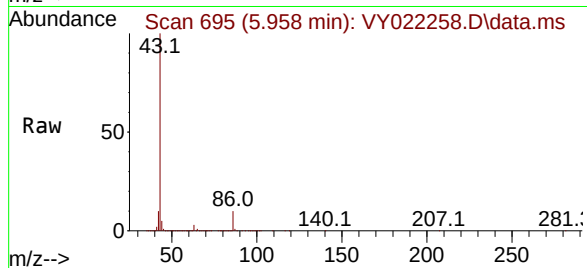
11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 146.697 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 879785

Ion Ratio Lower Upper

63 100

98 6.9

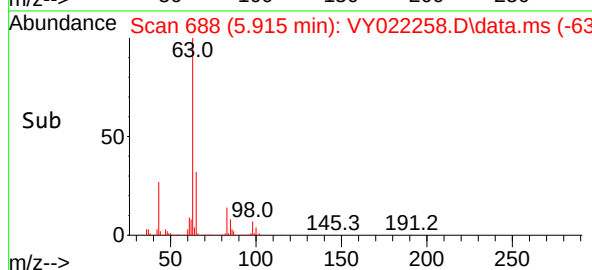
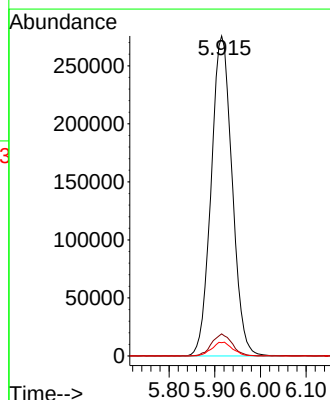
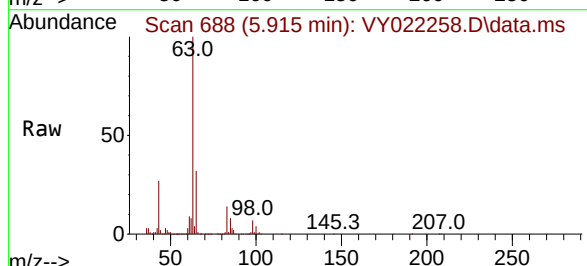
3.5

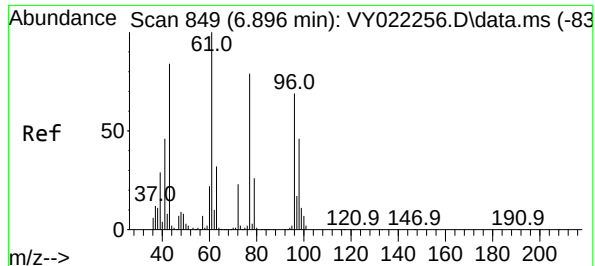
10.5

100 4.2

2.4

7.2





#25

2-Butanone

Concen: 762.091 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 708010

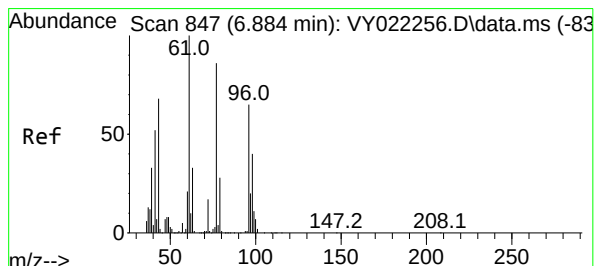
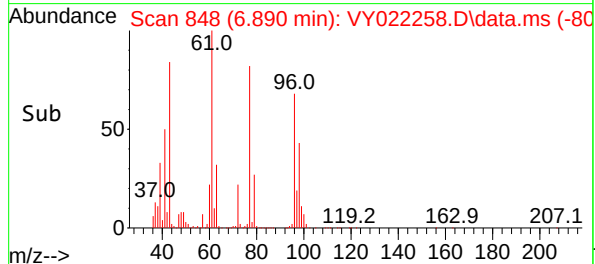
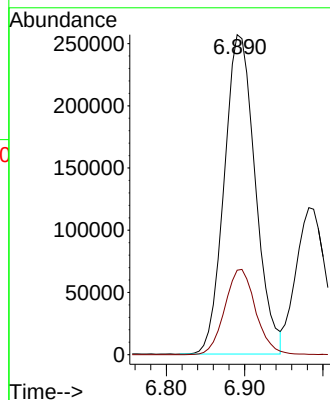
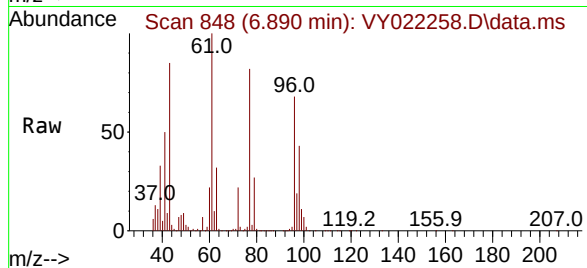
Ion Ratio Lower Upper

43 100

72 26.4 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 147.575 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022258.D

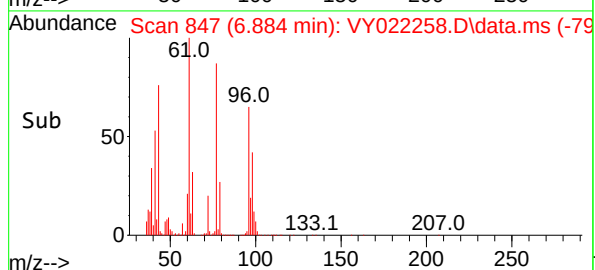
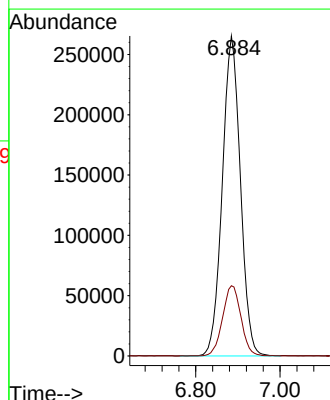
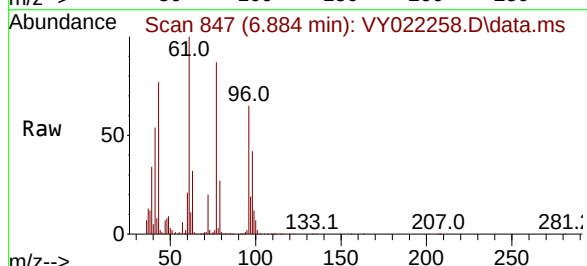
Acq: 15 May 2025 11:47

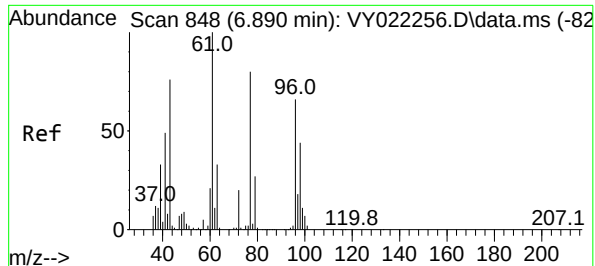
Tgt Ion: 77 Resp: 787195

Ion Ratio Lower Upper

77 100

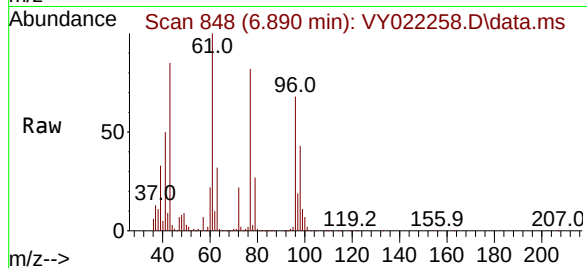
97 22.3 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 152.601 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

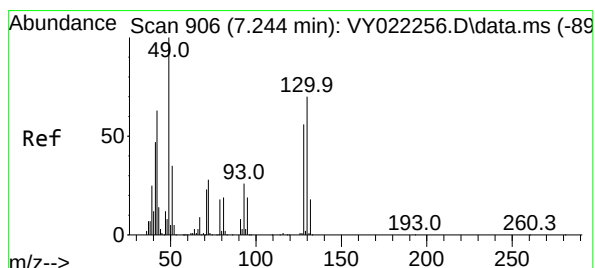
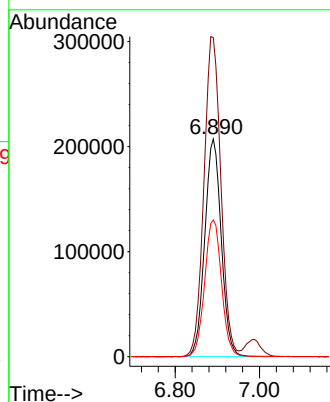
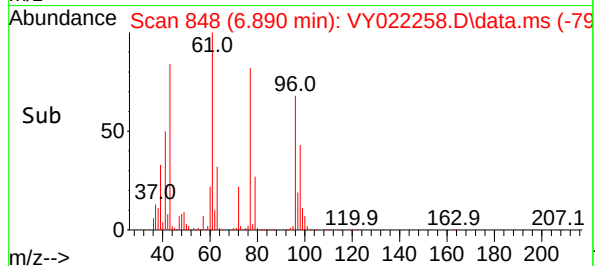
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 56350
Ion Ratio Lower Upper
96 100
61 151.2 0.0 302.6
98 64.4 0.0 128.8

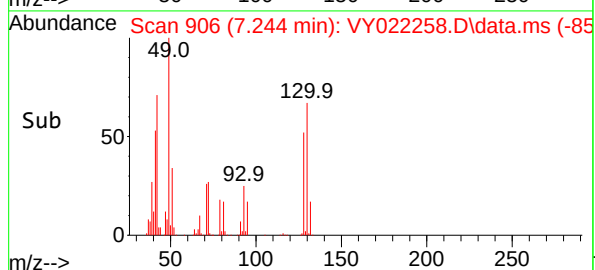
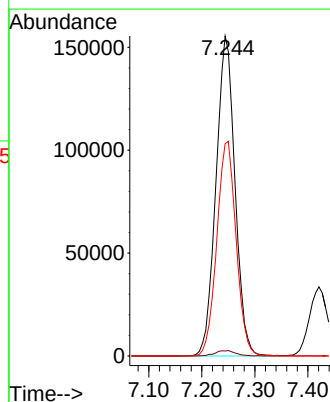
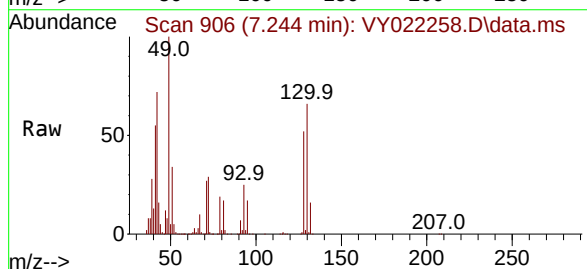
Manual Integrations
APPROVED

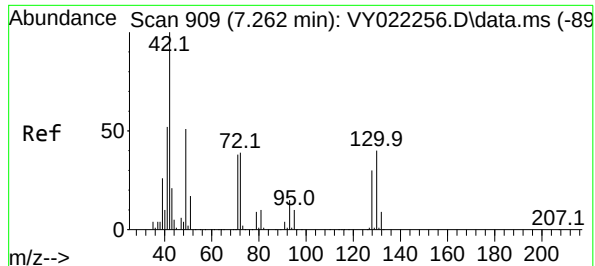
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#28
Bromochloromethane
Concen: 151.369 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 49 Resp: 387221
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 68.2 54.7 82.1





#29

Tetrahydrofuran

Concen: 790.072 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 472224

Ion Ratio Lower Upper

42 100

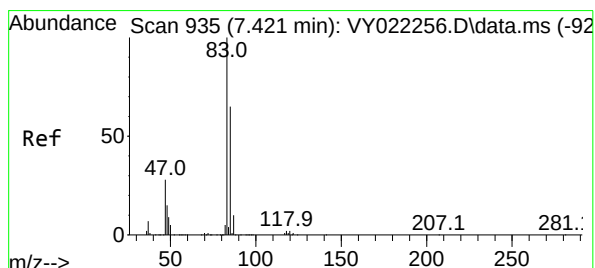
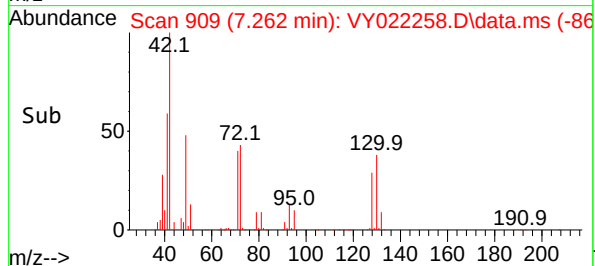
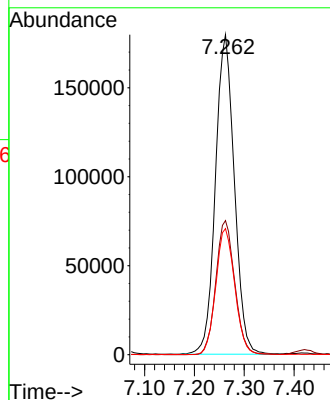
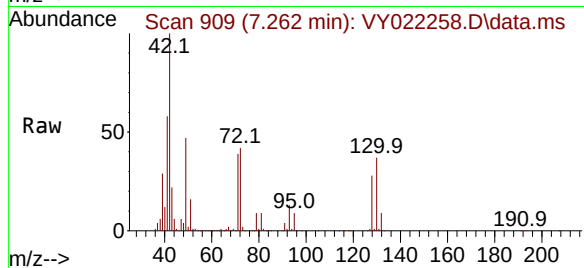
72 42.0 33.8 50.6

71 39.6 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#30

Chloroform

Concen: 149.381 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022258.D

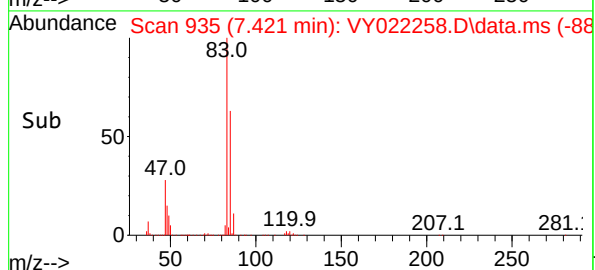
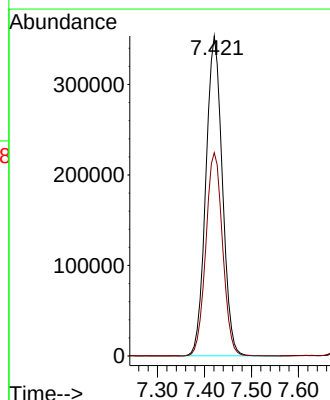
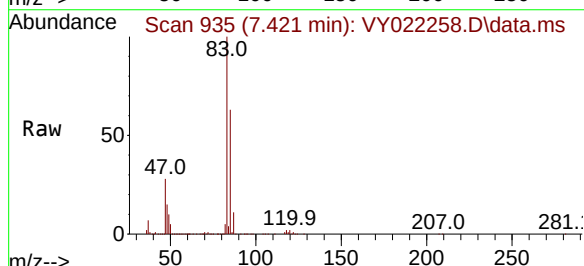
Acq: 15 May 2025 11:47

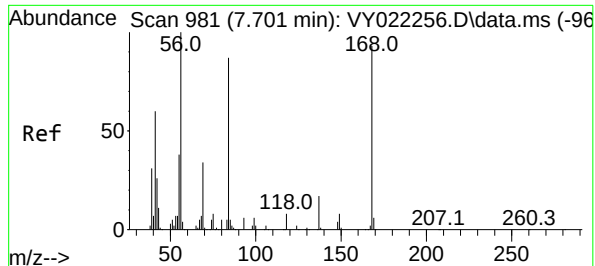
Tgt Ion: 83 Resp: 859317

Ion Ratio Lower Upper

83 100

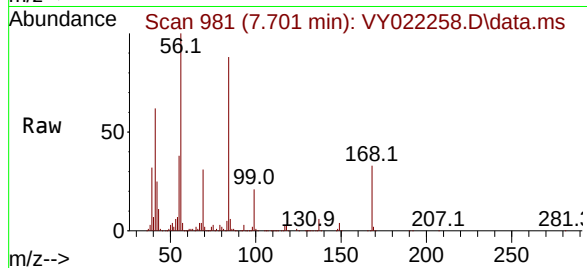
85 63.5 51.8 77.8





#31
Cyclohexane
Concen: 137.144 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

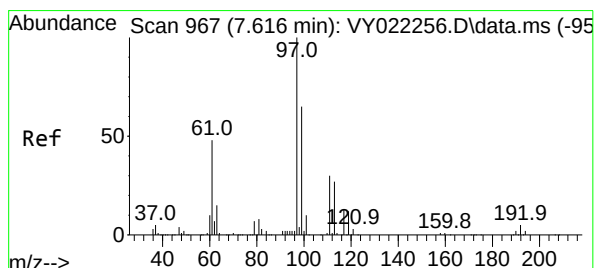
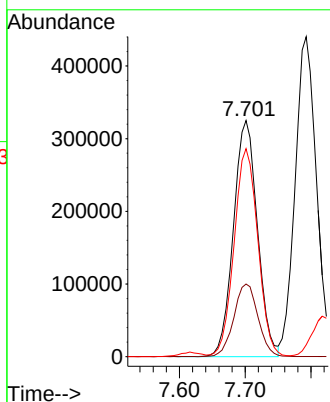
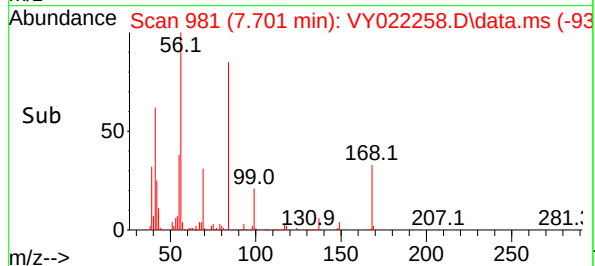
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 821784
Ion Ratio Lower Upper
56 100
69 30.7 27.4 41.2
84 87.3 70.0 105.0

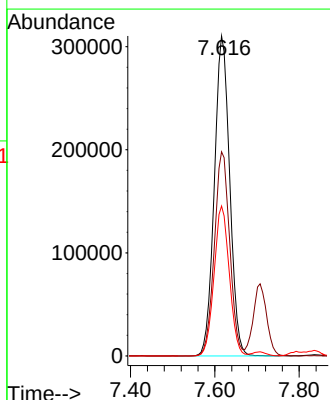
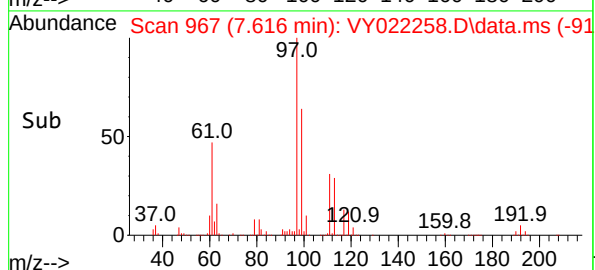
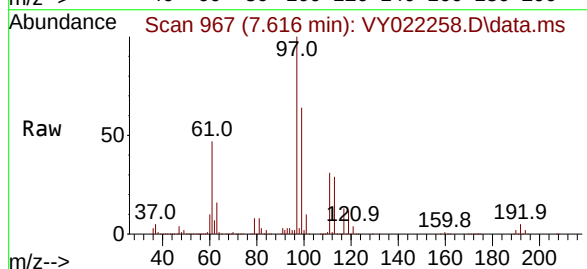
Manual Integrations
APPROVED

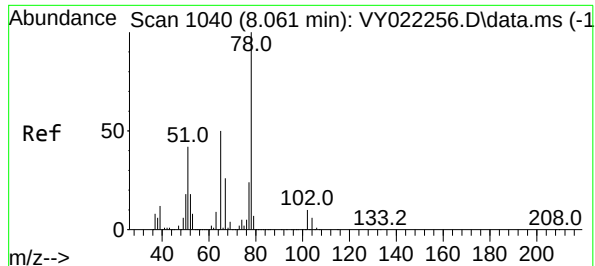
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#32
1,1,1-Trichloroethane
Concen: 148.554 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 784014
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 46.7 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 153.739 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 45538

Ion Ratio Lower Upper

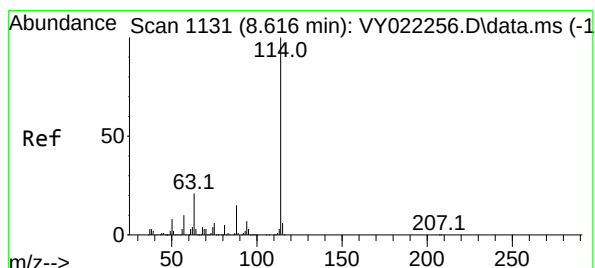
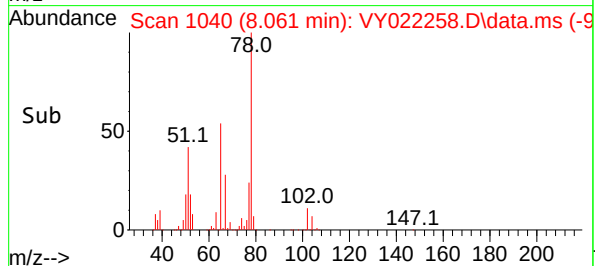
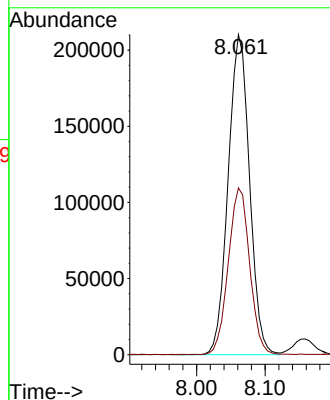
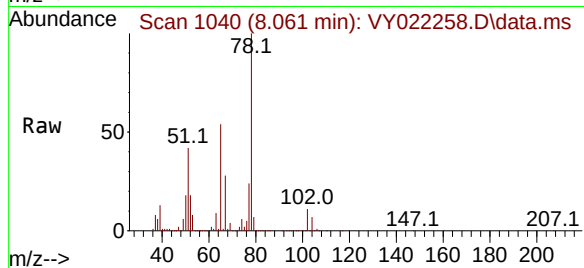
65 100

67 52.0 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

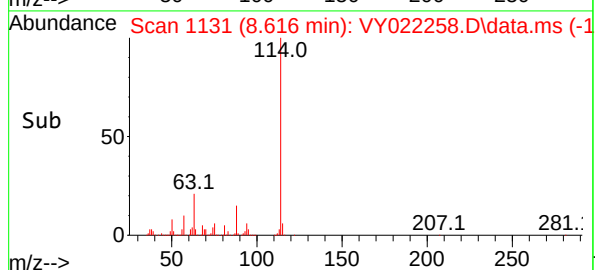
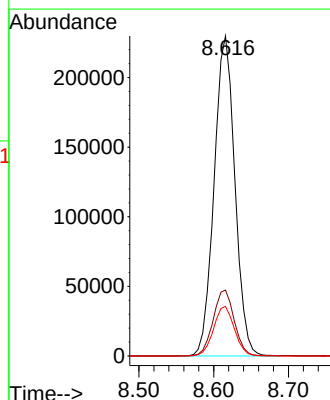
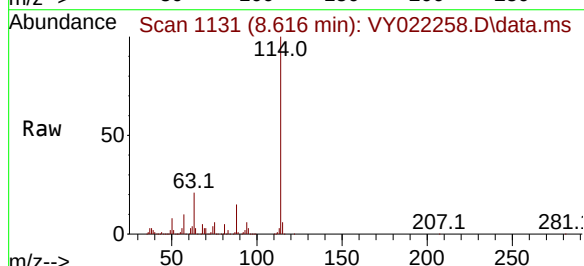
Tgt Ion:114 Resp: 442917

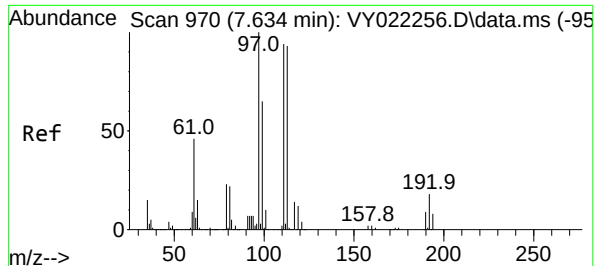
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 155.969 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 412318

Ion Ratio Lower Upper

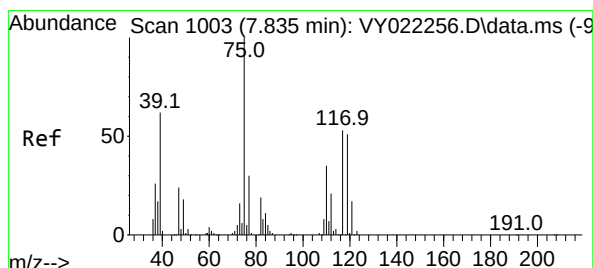
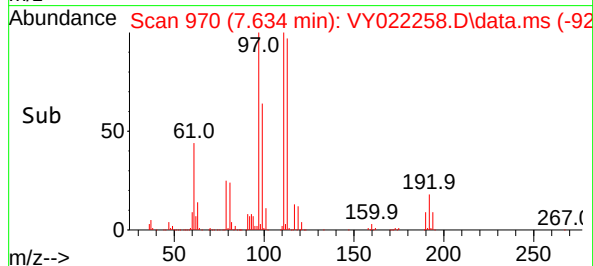
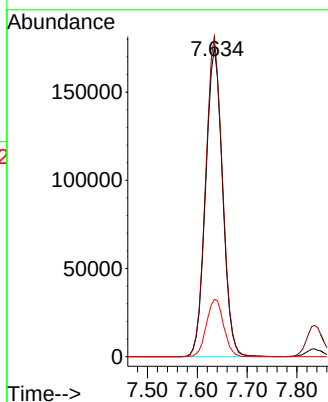
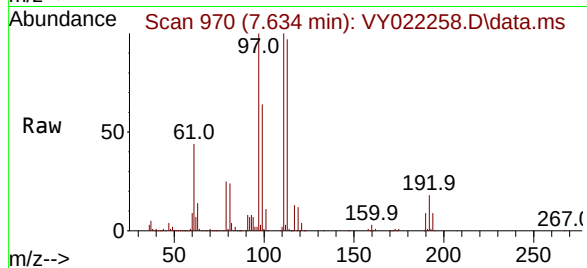
113 100

111 103.2 82.6 123.8

192 18.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#36

1,1-Dichloropropene

Concen: 151.316 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

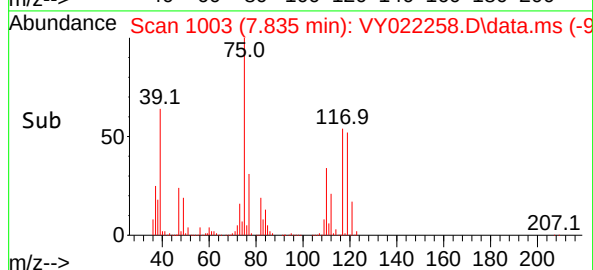
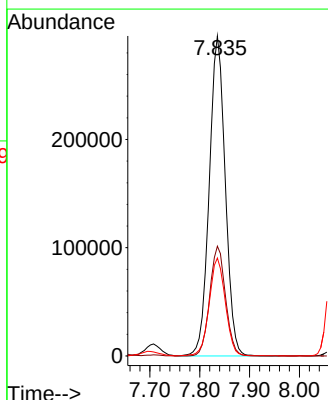
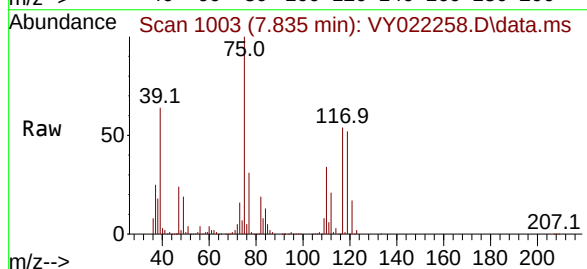
Tgt Ion: 75 Resp: 658871

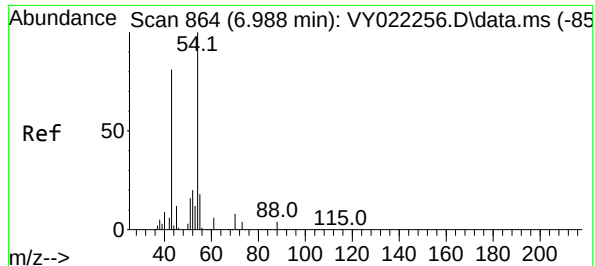
Ion Ratio Lower Upper

75 100

110 33.9 16.6 49.8

77 30.7 24.6 37.0





#37

Ethyl Acetate

Concen: 153.067 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 320680

Ion Ratio Lower Upper

43 100

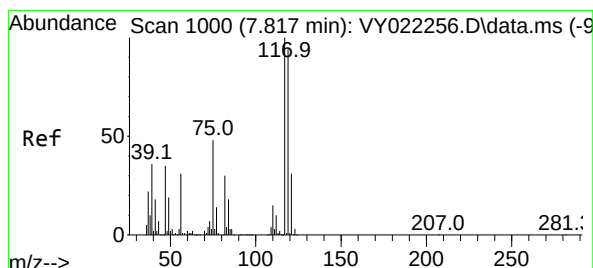
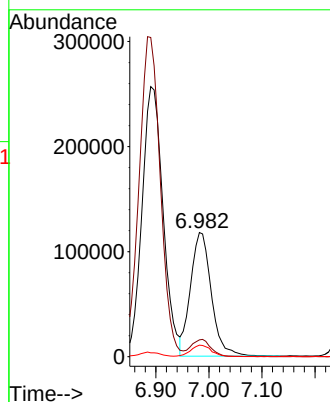
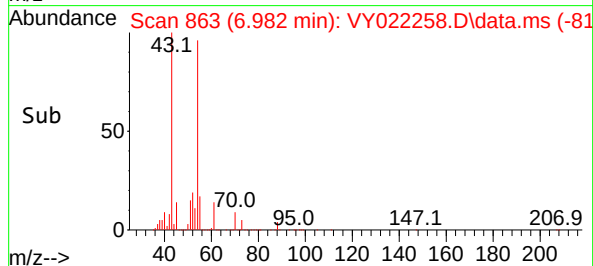
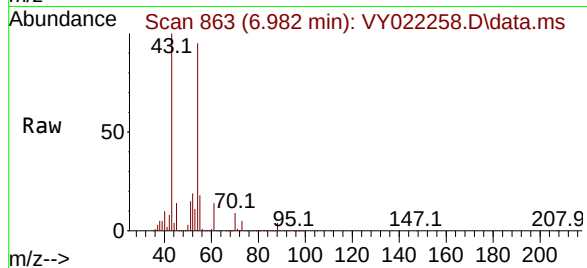
61 13.3 10.2 15.2

70 9.3 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#38

Carbon Tetrachloride

Concen: 154.450 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

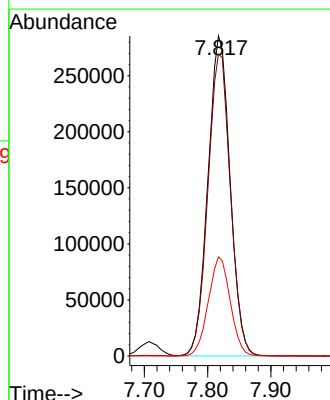
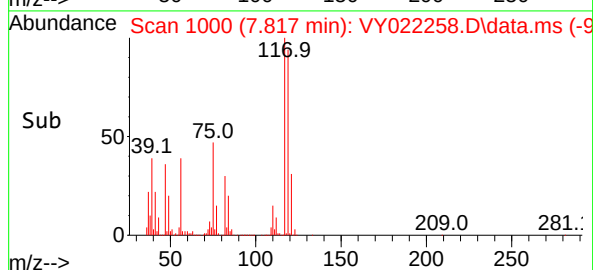
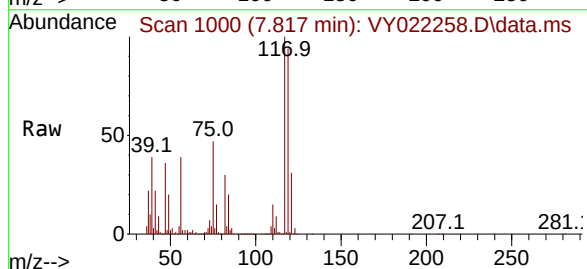
Tgt Ion:117 Resp: 696139

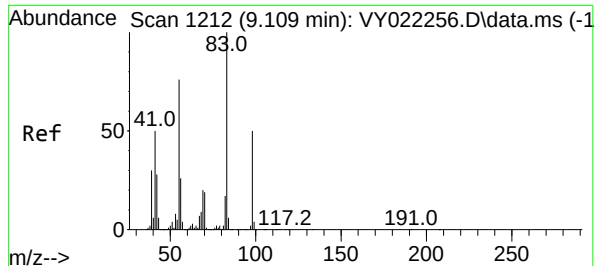
Ion Ratio Lower Upper

117 100

119 94.3 75.3 112.9

121 30.9 24.7 37.1





#39

Methylcyclohexane

Concen: 151.510 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 886329

Ion Ratio Lower Upper

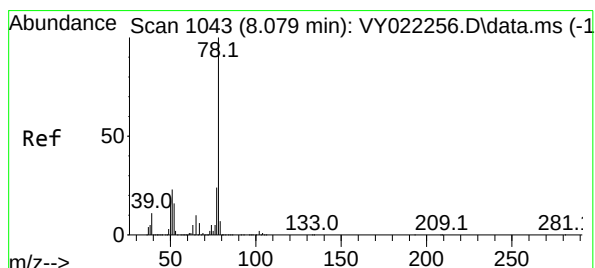
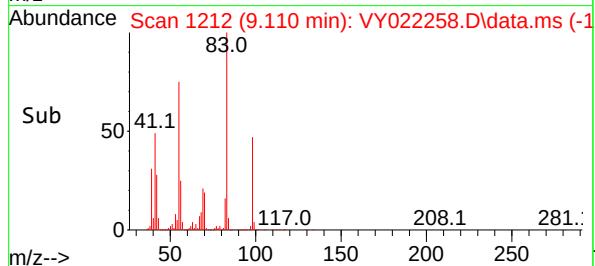
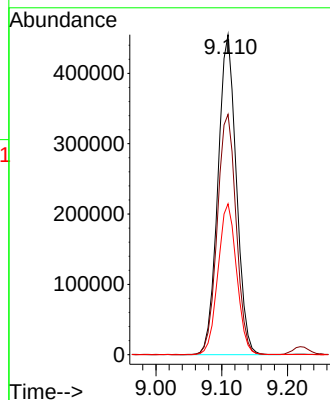
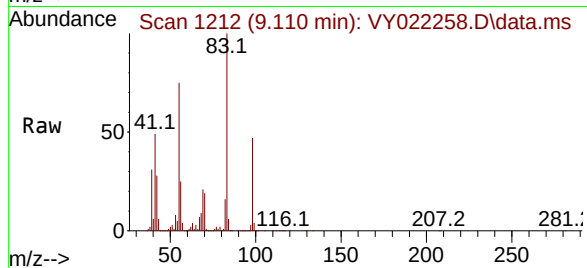
83 100

55 75.1 60.6 90.8

98 47.2 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#40

Benzene

Concen: 153.973 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022258.D

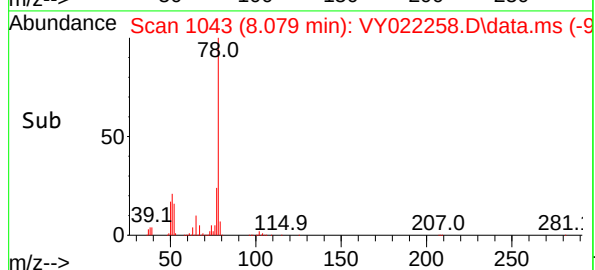
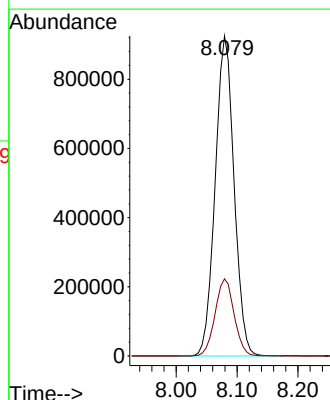
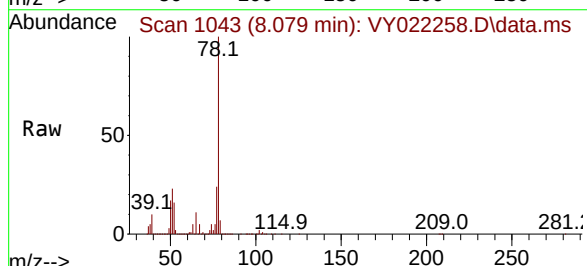
Acq: 15 May 2025 11:47

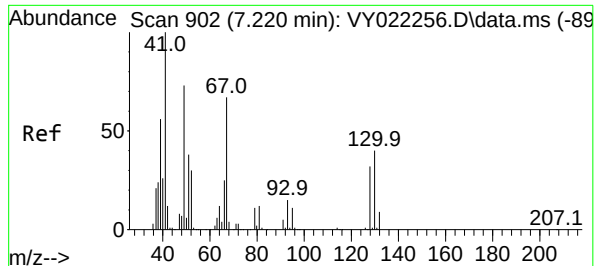
Tgt Ion: 78 Resp: 1987535

Ion Ratio Lower Upper

78 100

77 24.1 18.9 28.3





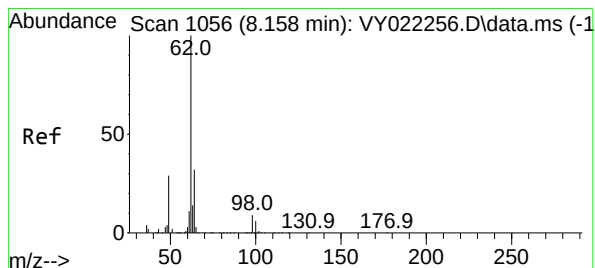
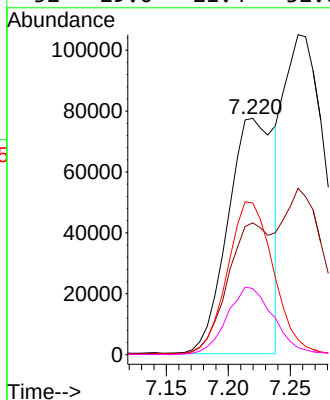
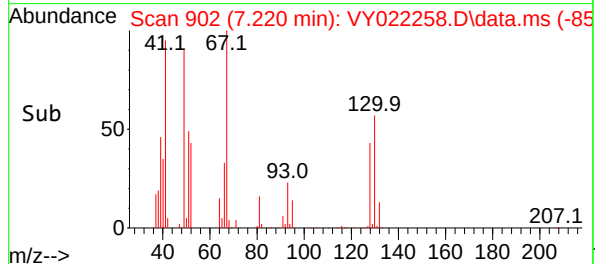
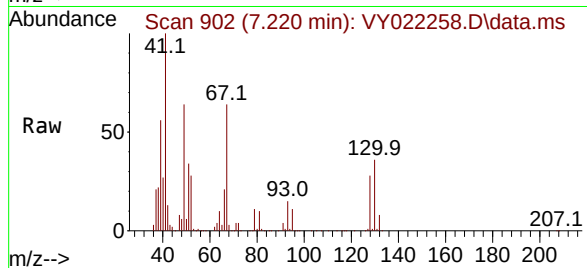
#41
Methacrylonitrile
Concen: 132.161 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 20260
Ion Ratio Lower Upper
41 100
39 47.7 39.1 58.7
67 64.4 47.1 70.7
52 29.0 21.4 32.0

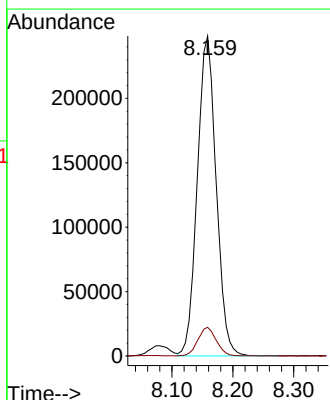
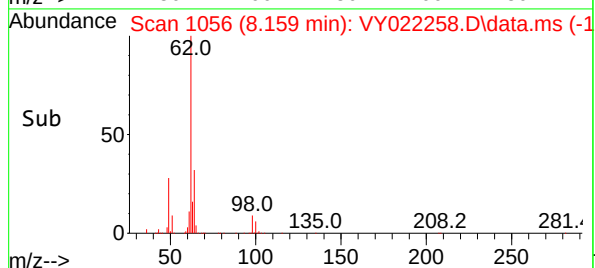
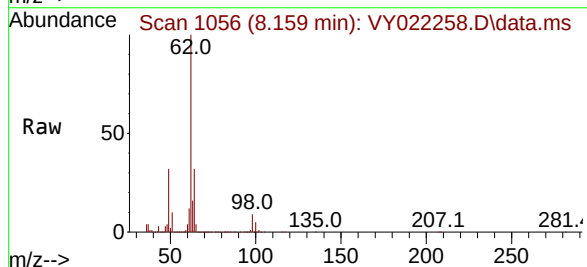
Manual Integrations
APPROVED

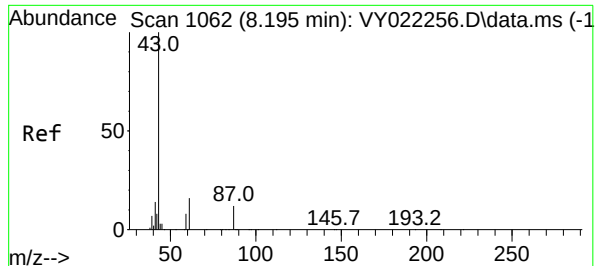
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 153.124 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

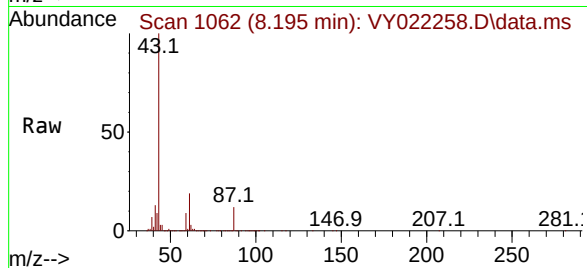
Tgt Ion: 62 Resp: 534517
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.4





#43
Isopropyl Acetate
Concen: 154.159 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

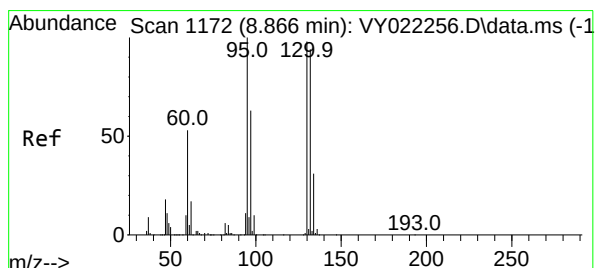
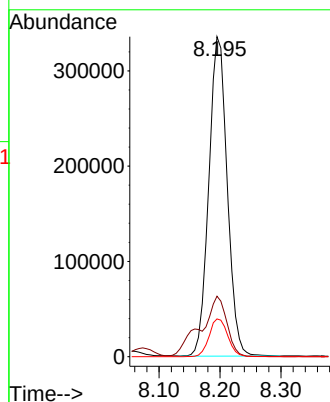
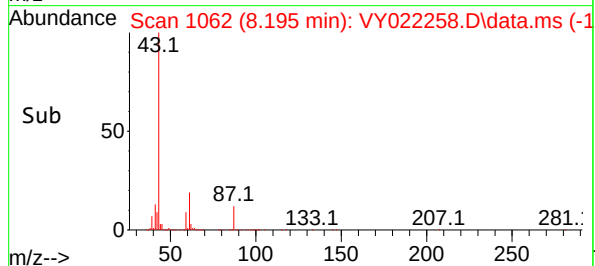
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 704360
Ion Ratio Lower Upper
43 100
61 27.0 15.1 22.7
87 12.0 9.7 14.5

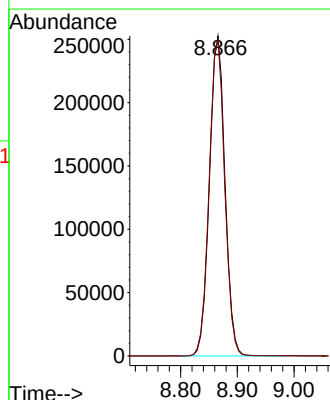
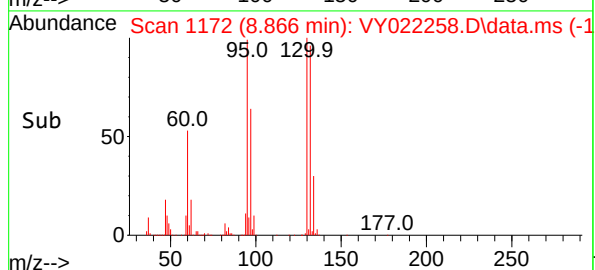
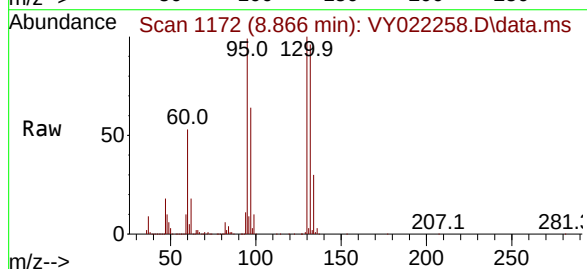
Manual Integrations
APPROVED

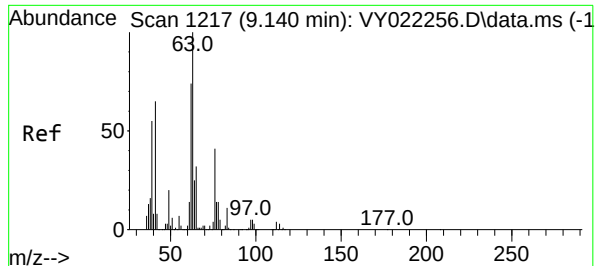
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#44
Trichloroethene
Concen: 150.171 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:130 Resp: 481990
Ion Ratio Lower Upper
130 100
95 98.7 0.0 204.8





#45

1,2-Dichloropropane

Concen: 151.736 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 47221

Ion Ratio Lower Upper

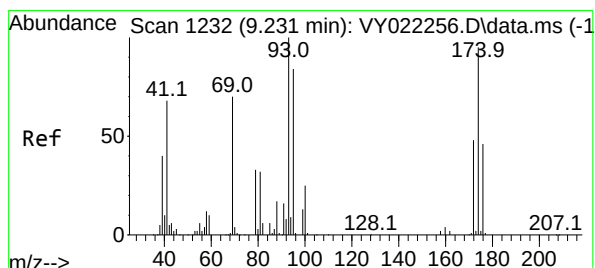
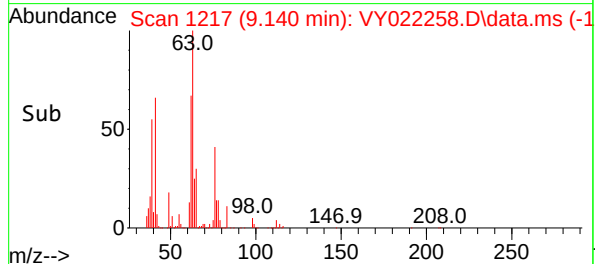
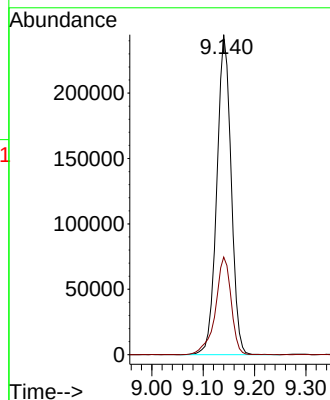
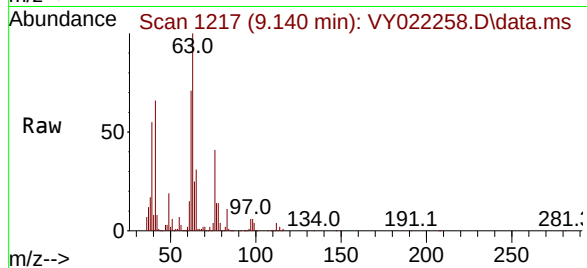
63 100

65 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 153.757 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

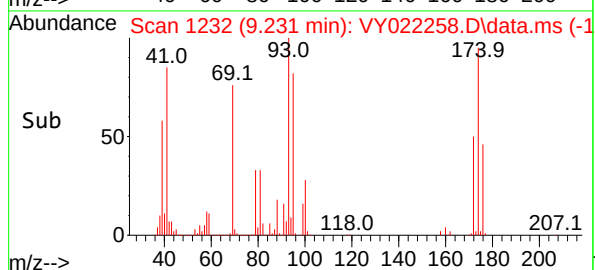
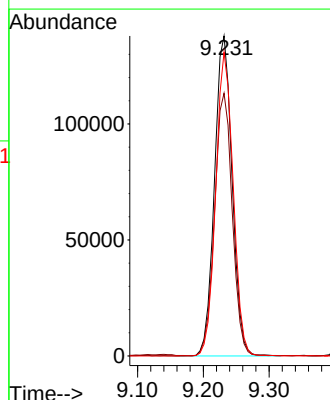
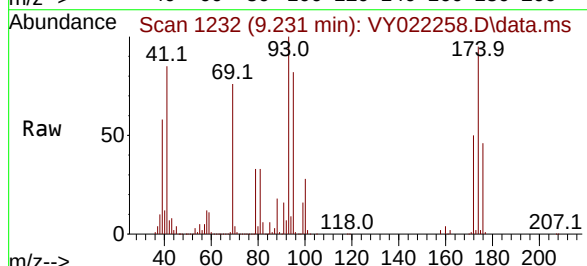
Tgt Ion: 93 Resp: 258087

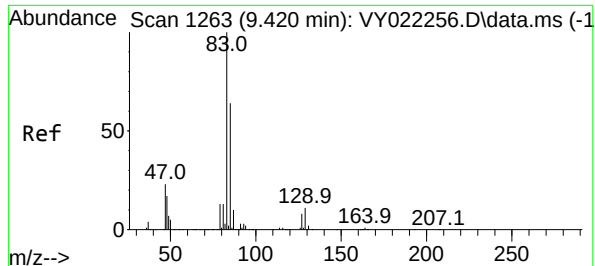
Ion Ratio Lower Upper

93 100

95 82.1 65.2 97.8

174 93.5 74.3 111.5





#47

Bromodichloromethane

Concen: 153.824 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 669834

Ion Ratio Lower Upper

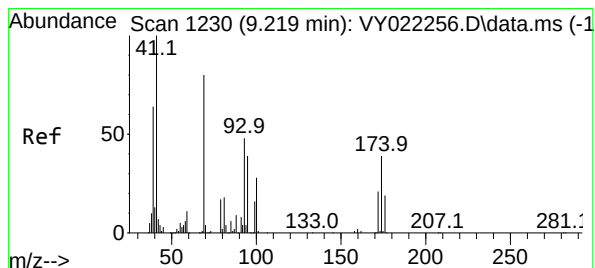
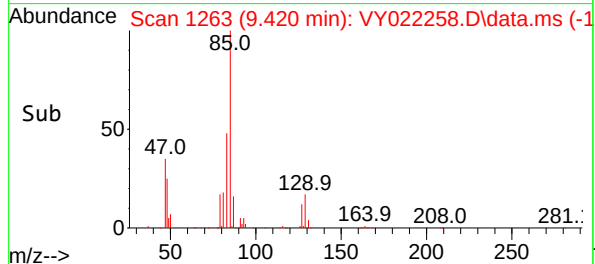
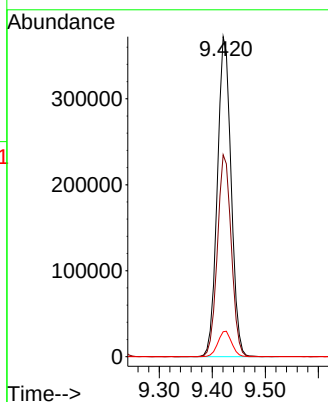
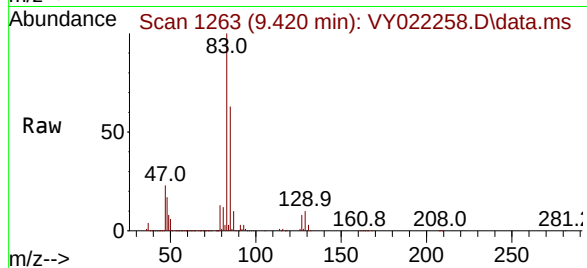
83 100

85 63.1 51.1 76.7

127 7.8 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#48

Methyl methacrylate

Concen: 161.060 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

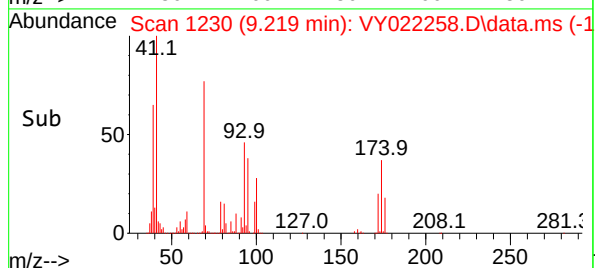
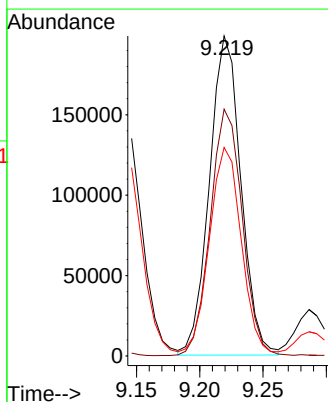
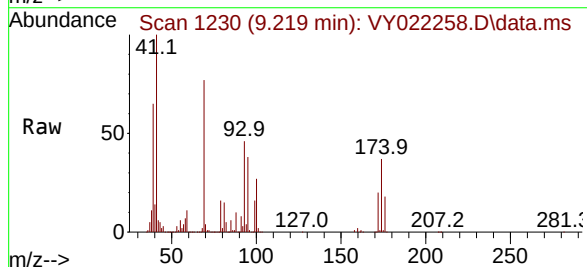
Tgt Ion: 41 Resp: 344147

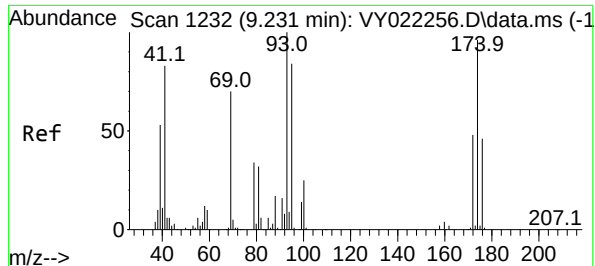
Ion Ratio Lower Upper

41 100

69 78.5 63.5 95.3

39 64.1 50.8 76.2





#49

1,4-Dioxane

Concen: 3217.888 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 61019

Ion Ratio Lower Upper

88 100

43 36.9 28.5 42.7

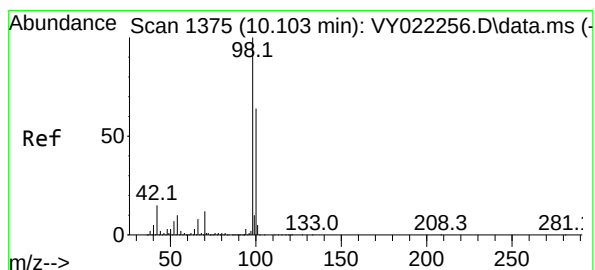
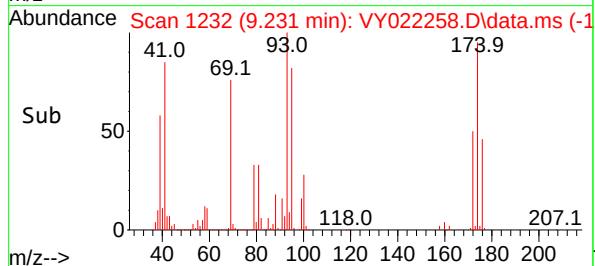
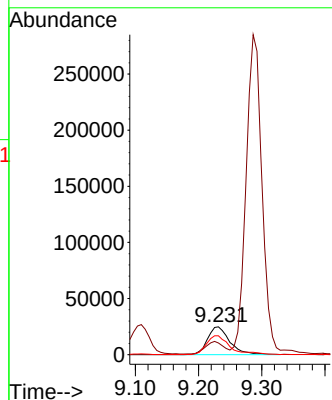
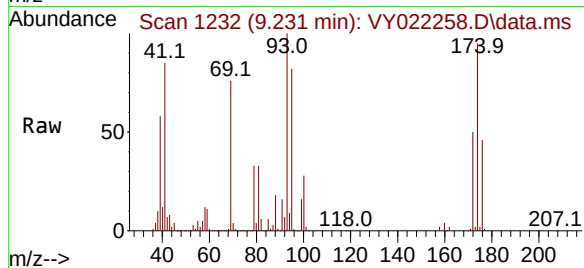
58 71.3 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#50

Toluene-d8

Concen: 156.065 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022258.D

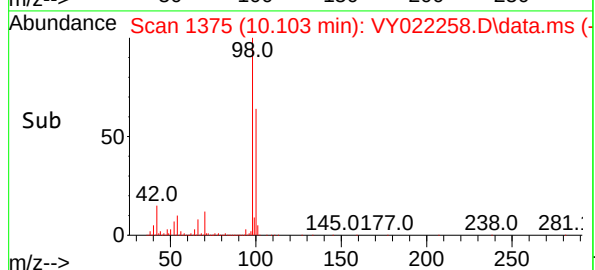
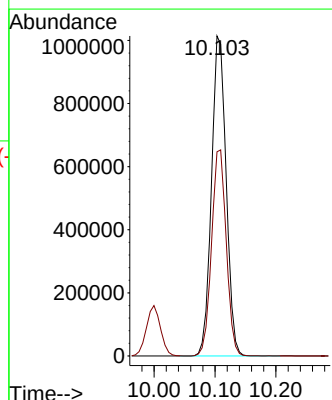
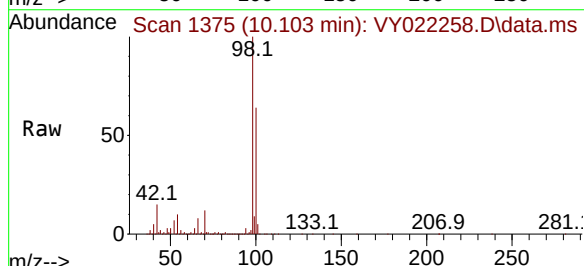
Acq: 15 May 2025 11:47

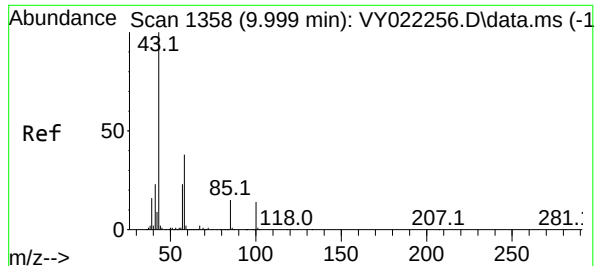
Tgt Ion: 98 Resp: 1689714

Ion Ratio Lower Upper

98 100

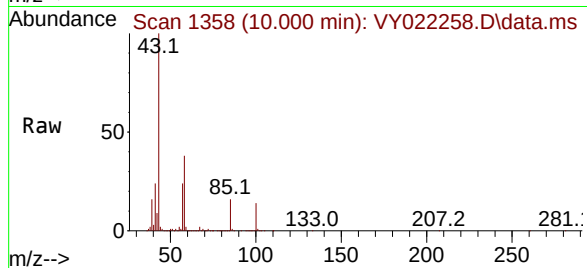
100 64.7 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 815.822 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

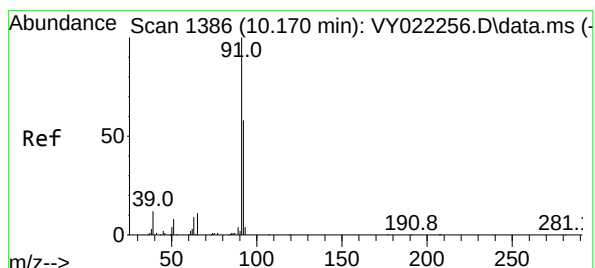
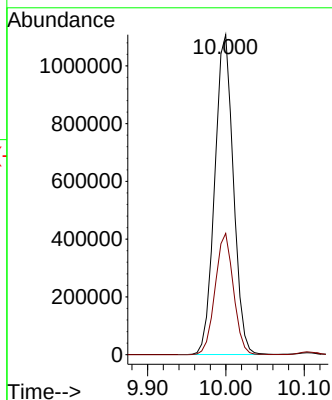
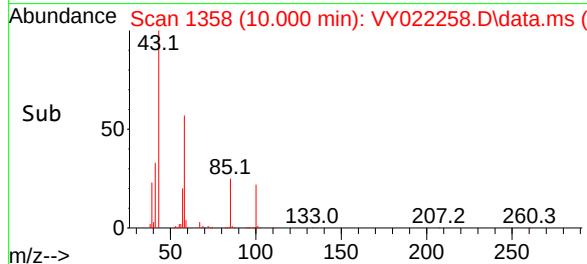
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1829015
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.2

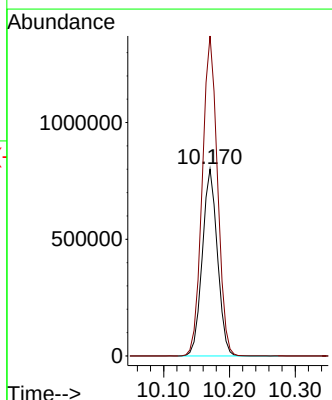
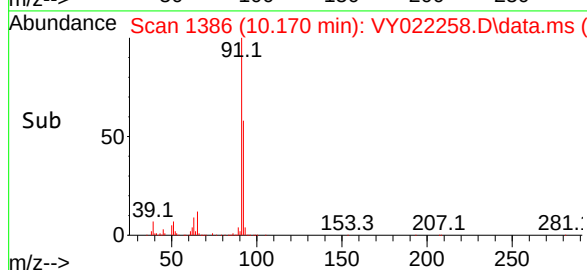
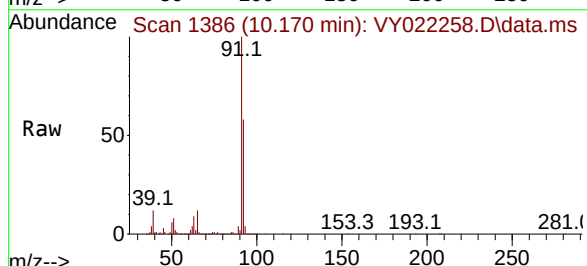
Manual Integrations
APPROVED

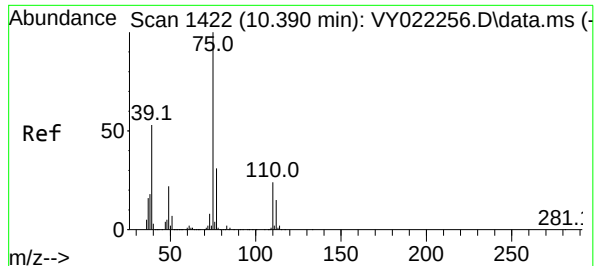
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 156.216 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 92 Resp: 1276917
Ion Ratio Lower Upper
92 100
91 173.1 139.1 208.7





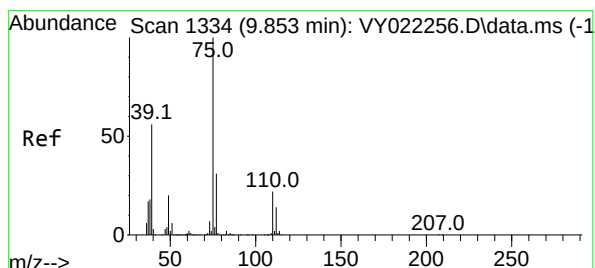
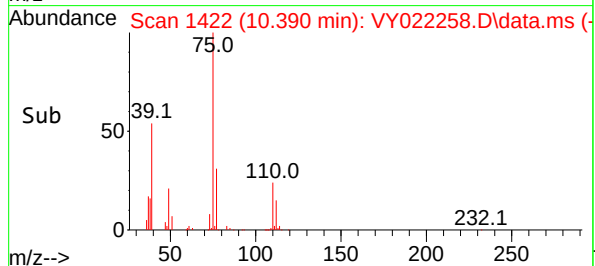
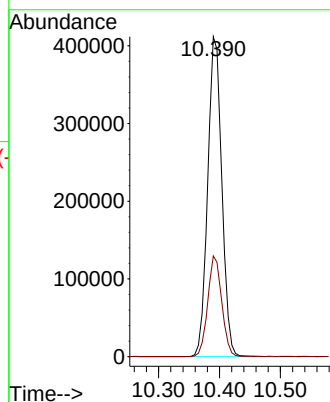
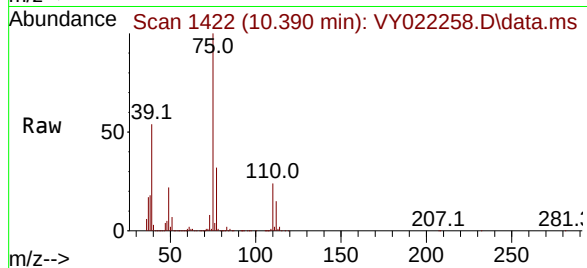
#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 66351
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

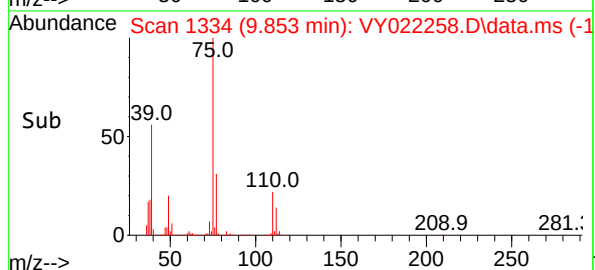
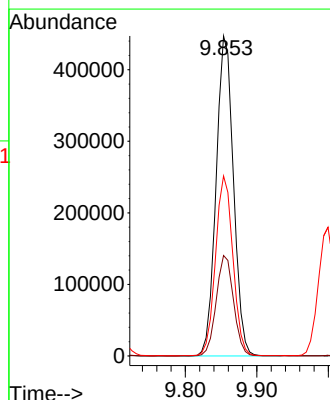
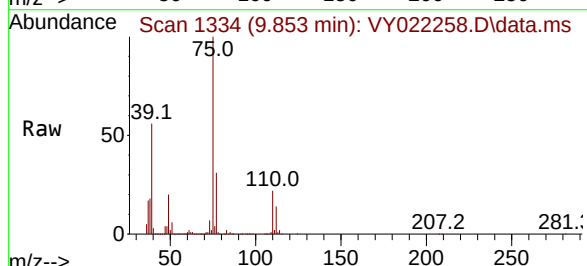
Manual Integrations
APPROVED

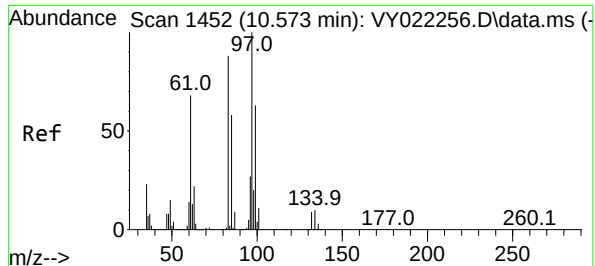
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 154.963 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

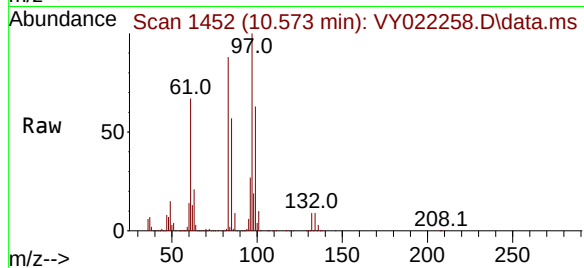
Tgt Ion: 75 Resp: 754493
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 56.2 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 153.863 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

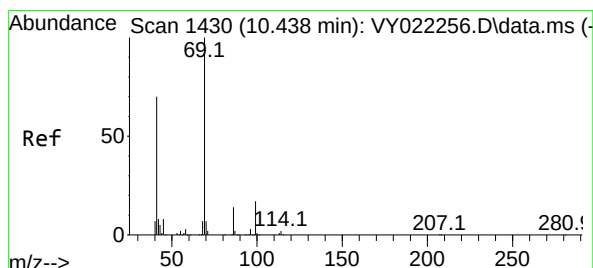
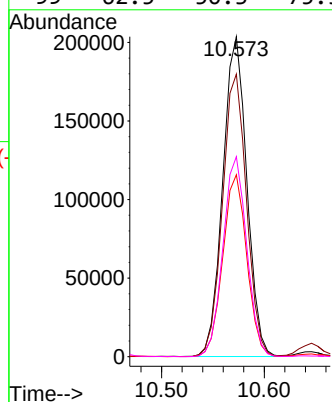
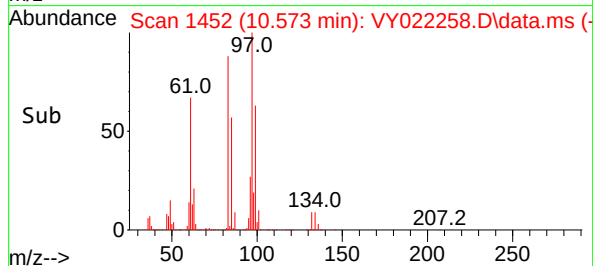
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 97 Resp: 330710
Ion Ratio Lower Upper
97 100
83 88.2 70.3 105.5
85 56.8 46.2 69.4
99 62.5 50.3 75.5

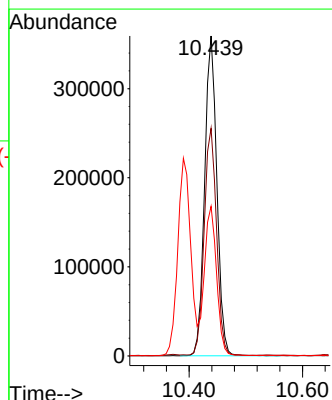
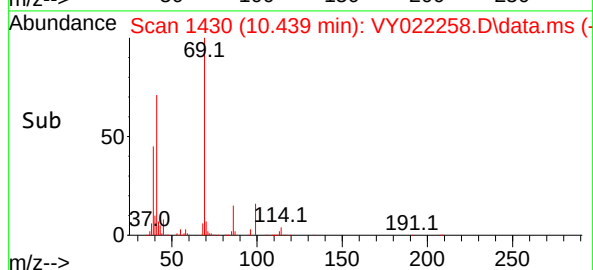
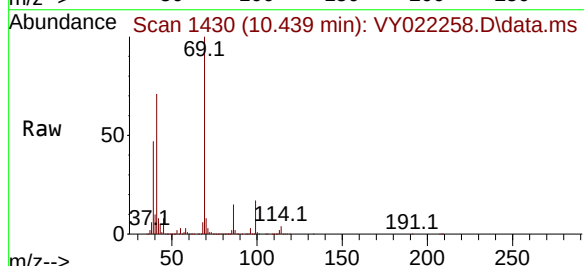
Manual Integrations
APPROVED

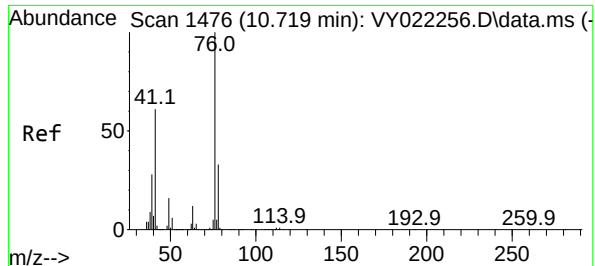
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#56
Ethyl methacrylate
Concen: 160.058 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

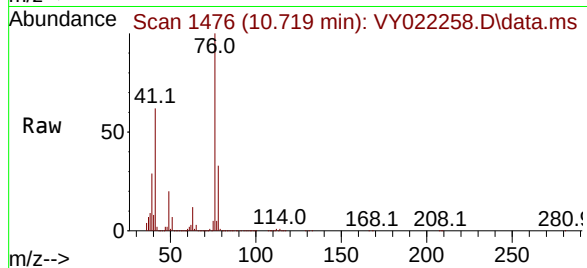
Tgt Ion: 69 Resp: 535897
Ion Ratio Lower Upper
69 100
41 72.0 56.5 84.7
39 46.8 37.1 55.7





#57
1,3-Dichloropropane
Concen: 152.987 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

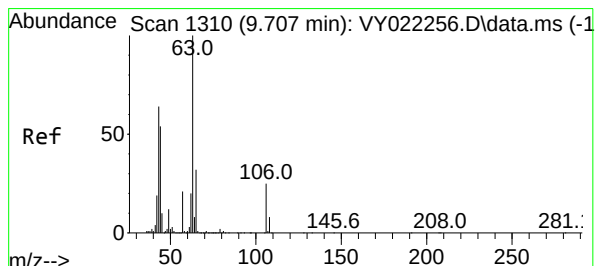
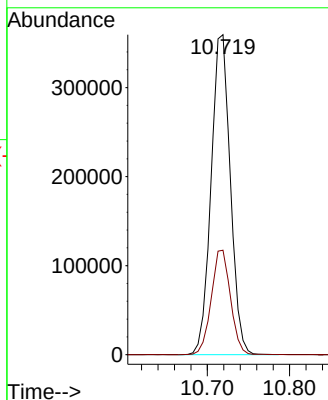
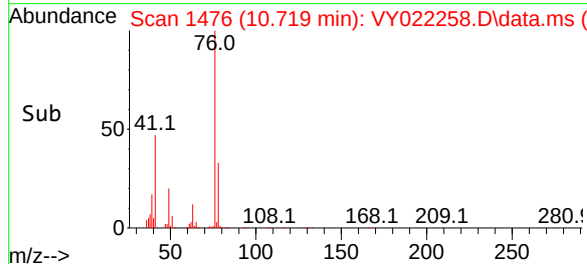
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 58425
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.8

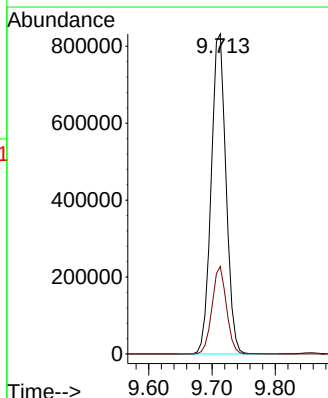
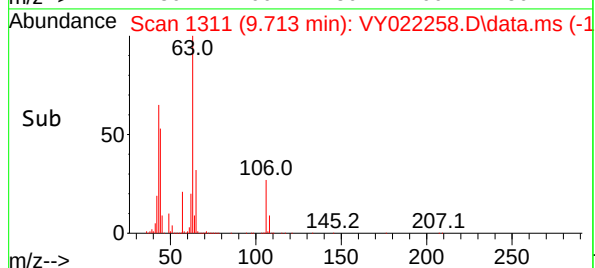
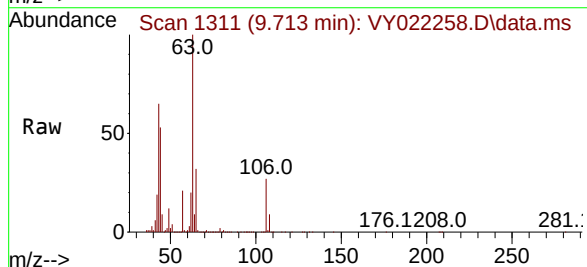
Manual Integrations
APPROVED

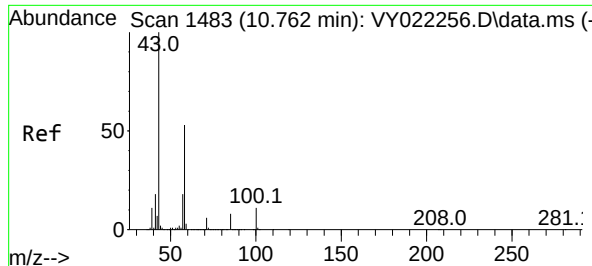
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#58
2-Chloroethyl Vinyl ether
Concen: 898.675 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

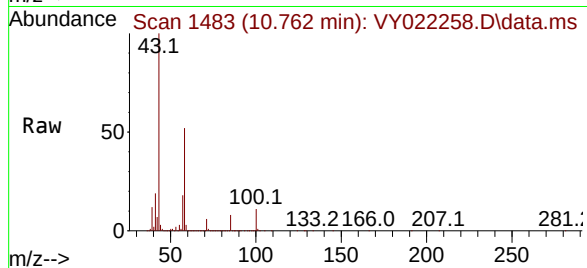
Tgt Ion: 63 Resp: 1350536
Ion Ratio Lower Upper
63 100
106 26.6 21.0 31.4





#59
2-Hexanone
Concen: 816.860 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

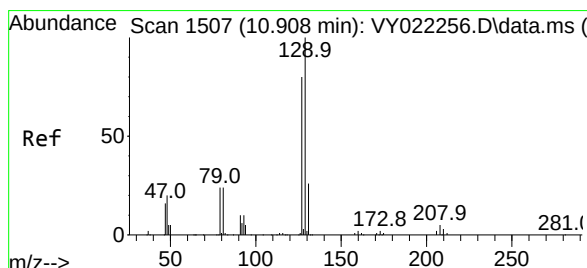
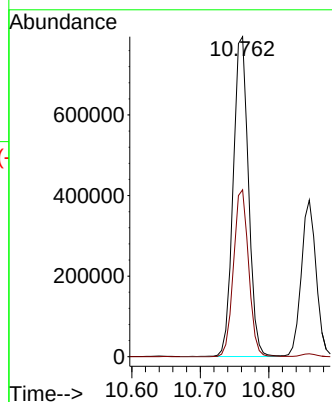
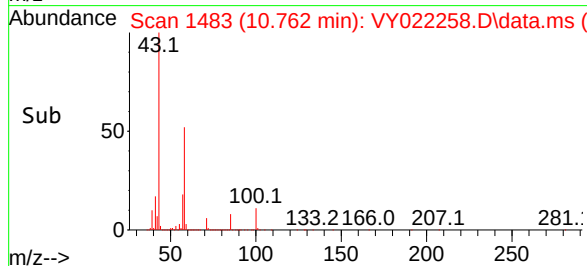
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 122788
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.3

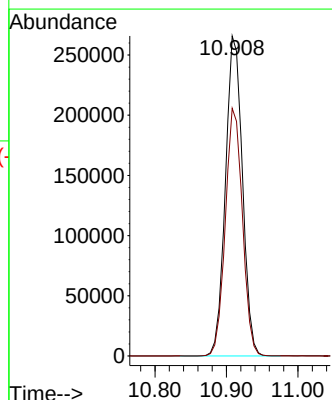
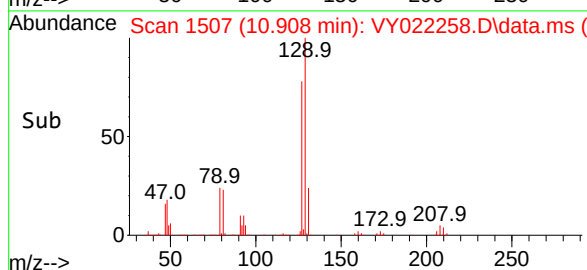
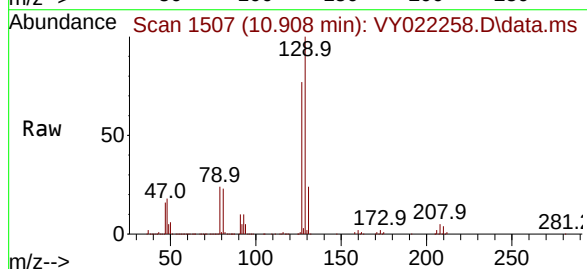
Manual Integrations
APPROVED

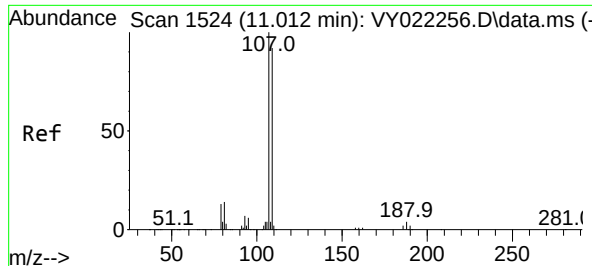
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60
Dibromochloromethane
Concen: 157.237 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

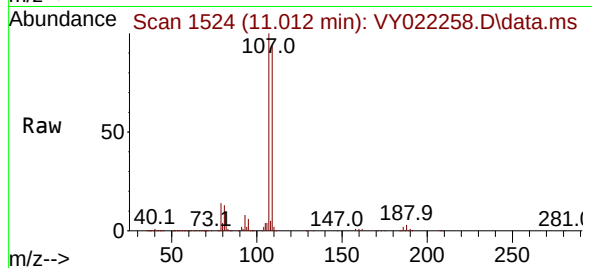
Tgt Ion:129 Resp: 438666
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 154.008 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

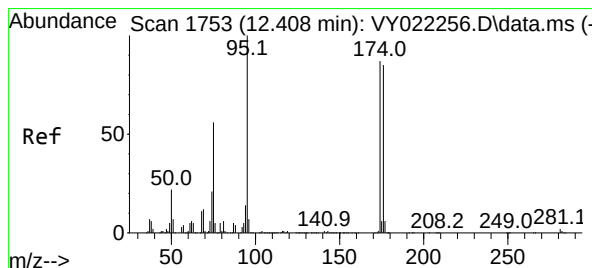
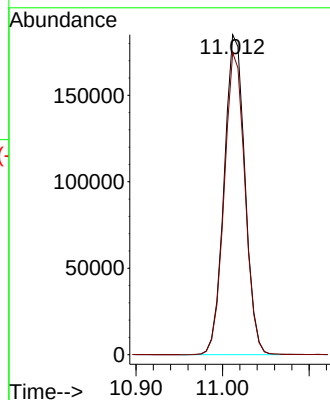
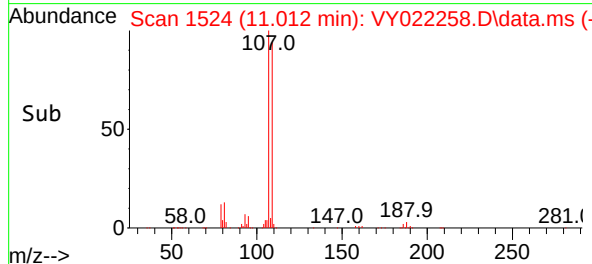
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 308529
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8

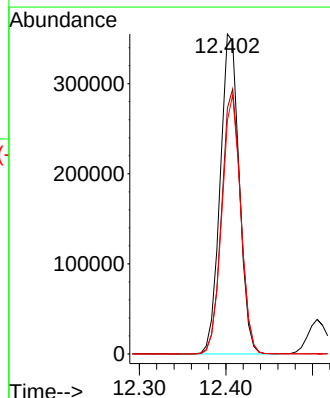
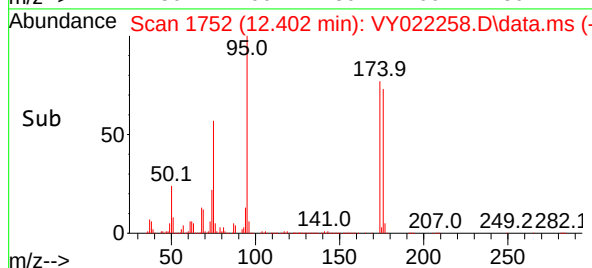
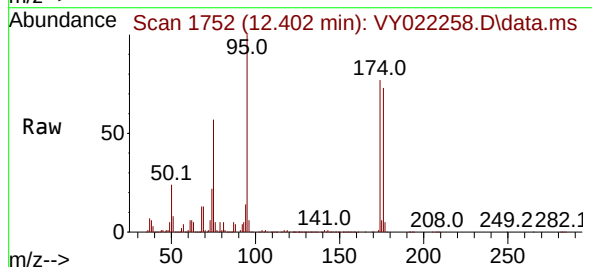
Manual Integrations
APPROVED

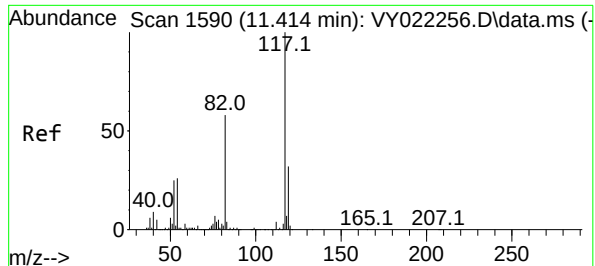
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 157.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

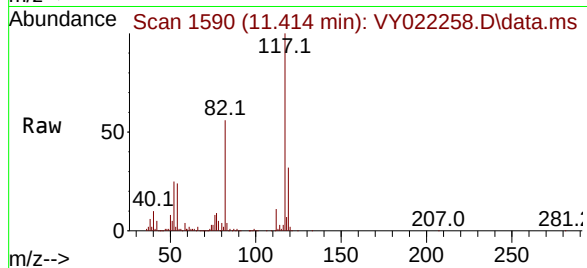
Tgt Ion: 95 Resp: 541367
Ion Ratio Lower Upper
95 100
174 82.5 0.0 166.8
176 79.8 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

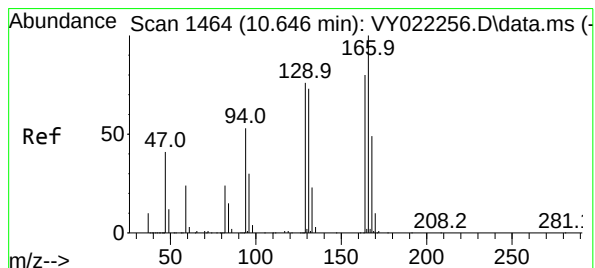
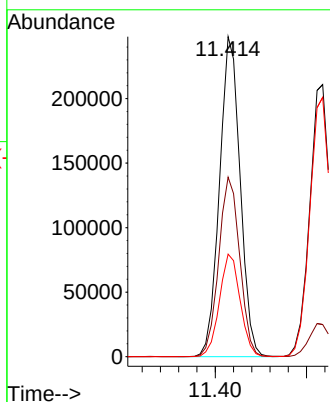
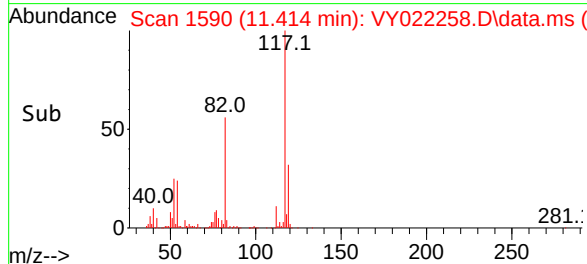
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



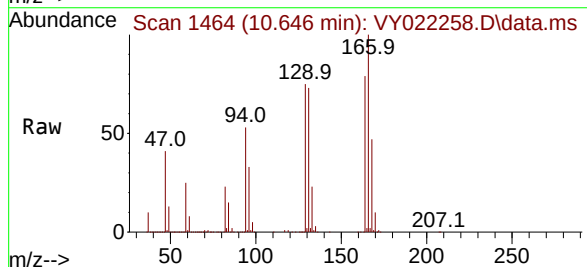
Tgt Ion:117 Resp: 389769
Ion Ratio Lower Upper
117 100
82 56.0 46.6 70.0
119 32.0 25.8 38.6

Manual Integrations
APPROVED

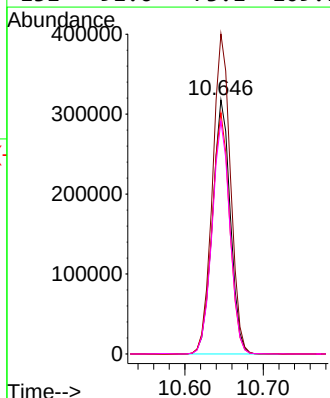
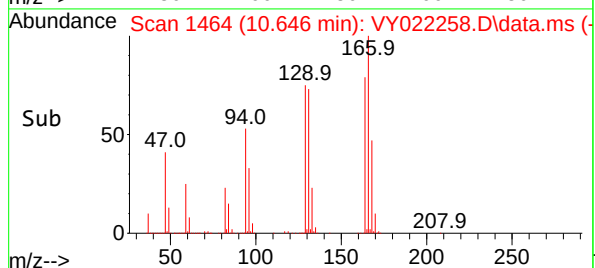
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

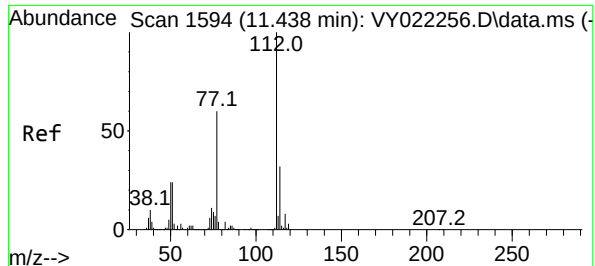


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47



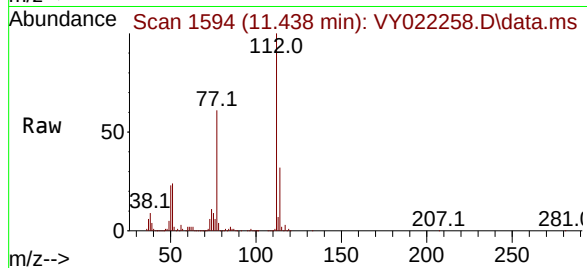
Tgt Ion:164 Resp: 501627
Ion Ratio Lower Upper
164 100
166 125.9 100.4 150.6
129 94.9 76.4 114.6
131 91.6 73.1 109.7





#65
Chlorobenzene
Concen: 151.997 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

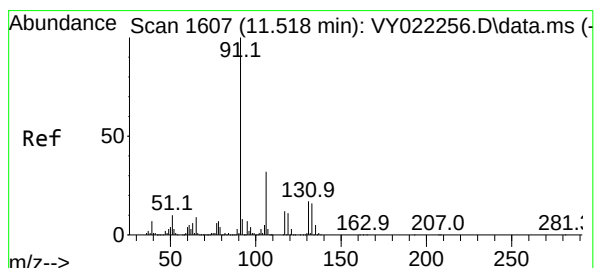
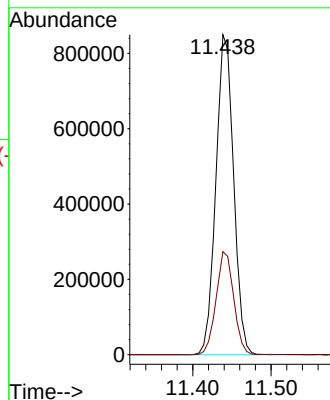
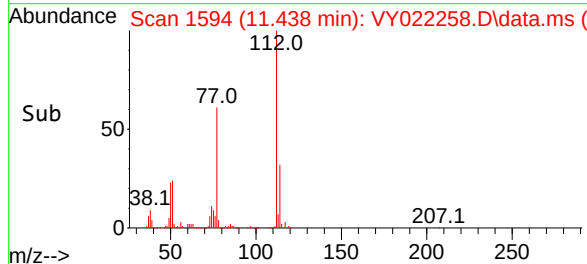
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 1336594
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

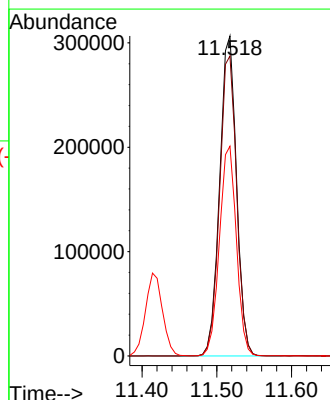
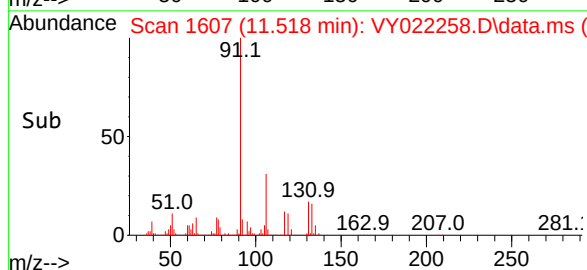
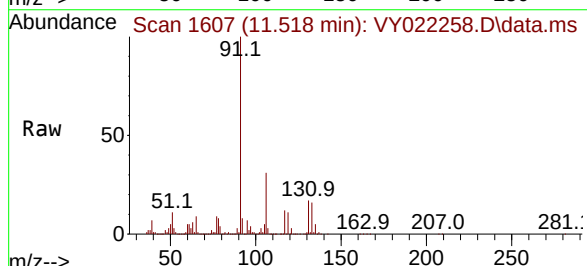
Manual Integrations
APPROVED

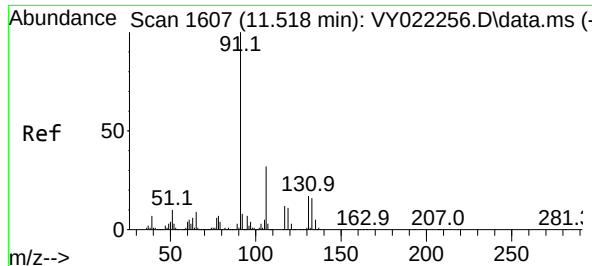
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 158.952 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:131 Resp: 480525
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 66.2 33.1 99.2





#67

Ethyl Benzene

Concen: 157.756 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 259802

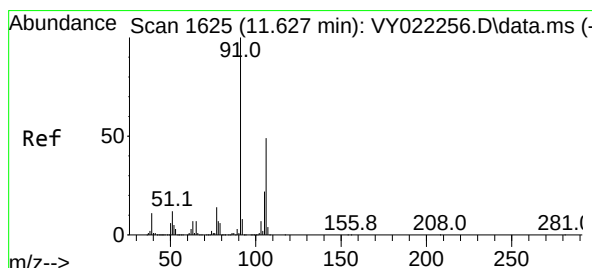
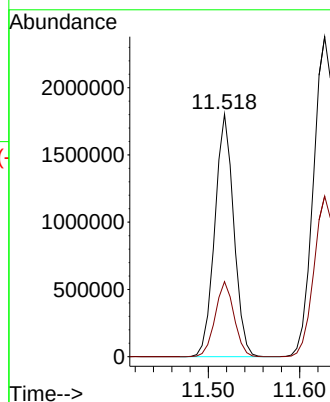
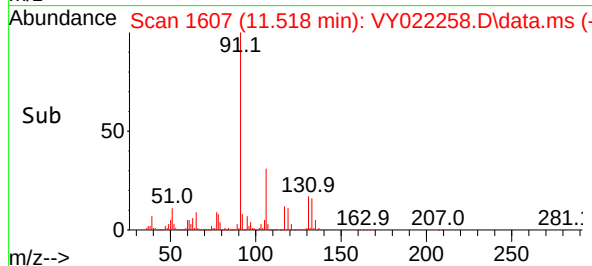
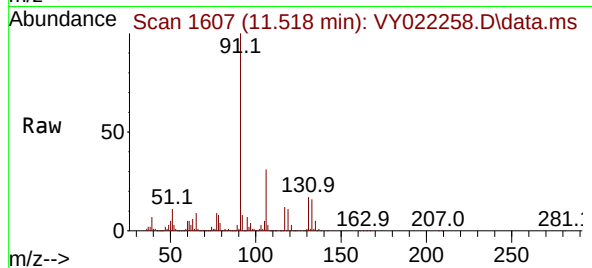
Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#68

m/p-Xylenes

Concen: 321.066 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022258.D

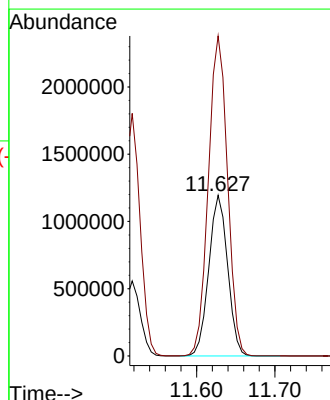
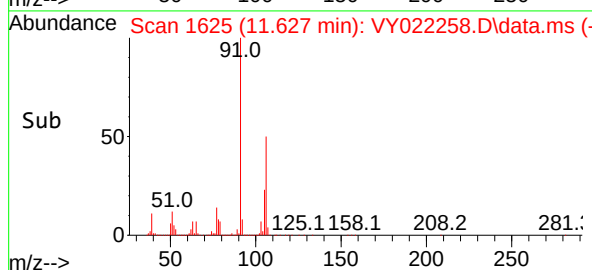
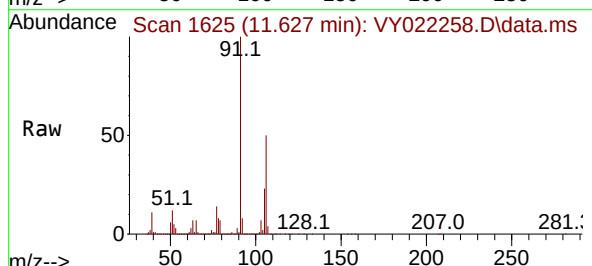
Acq: 15 May 2025 11:47

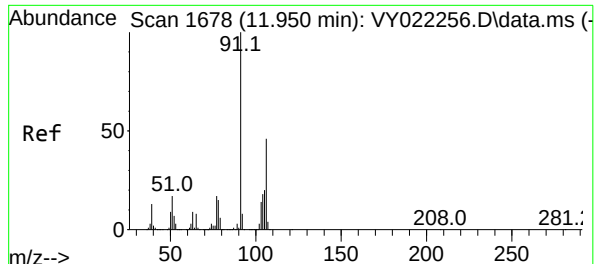
Tgt Ion:106 Resp: 1992413

Ion Ratio Lower Upper

106 100

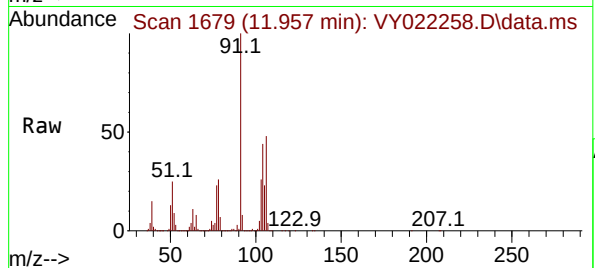
91 202.7 163.0 244.4





#69
o-Xylene
Concen: 159.714 ug/l
RT: 11.957 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

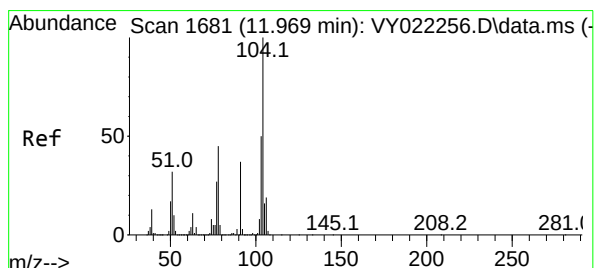
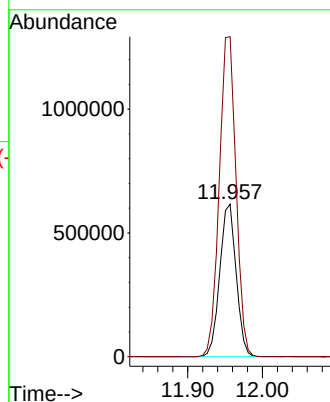
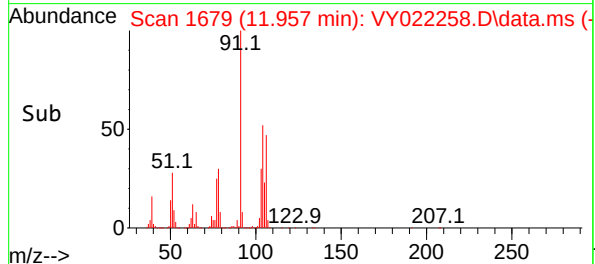
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 93772
Ion Ratio Lower Upper
106 100
91 214.6 108.3 324.8

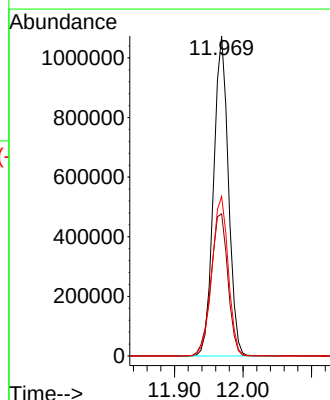
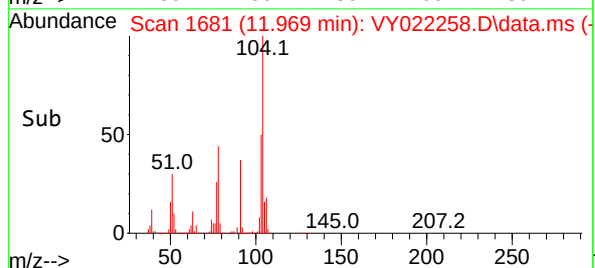
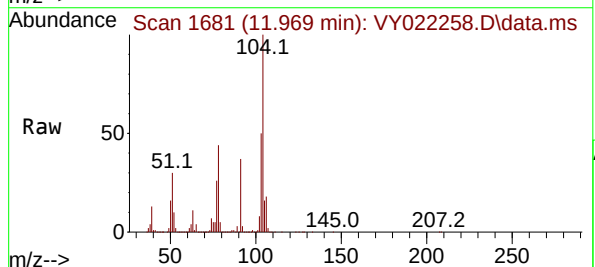
Manual Integrations
APPROVED

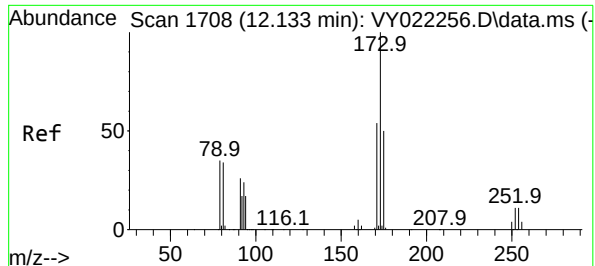
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 162.944 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

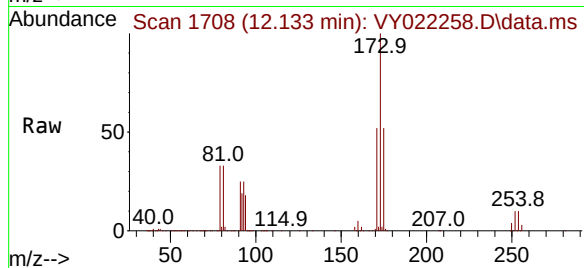
Tgt Ion:104 Resp: 1613798
Ion Ratio Lower Upper
104 100
78 50.8 40.9 61.3
103 54.7 43.7 65.5





#71
Bromoform
Concen: 155.818 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

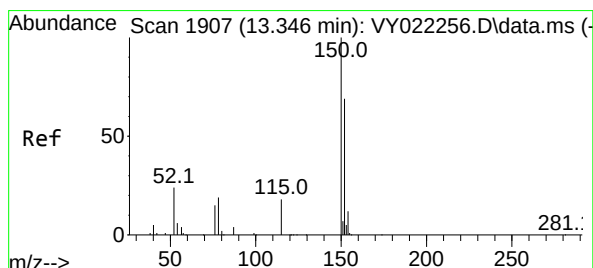
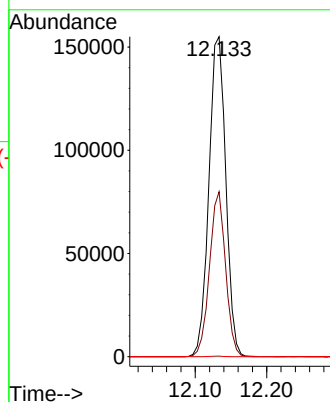
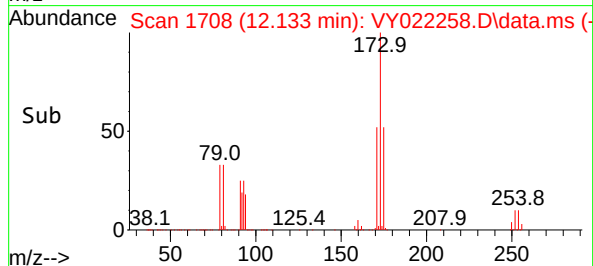
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



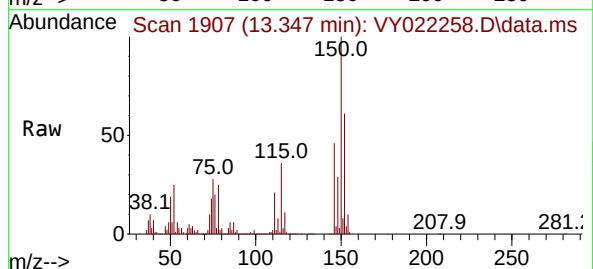
Tgt Ion:173 Resp: 25425
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.1 0.0 0.0

Manual Integrations
APPROVED

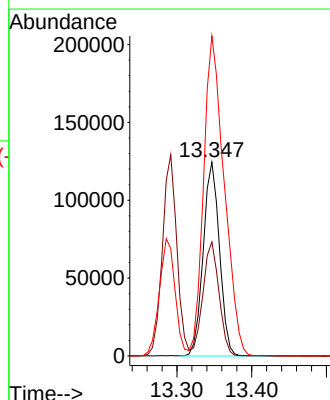
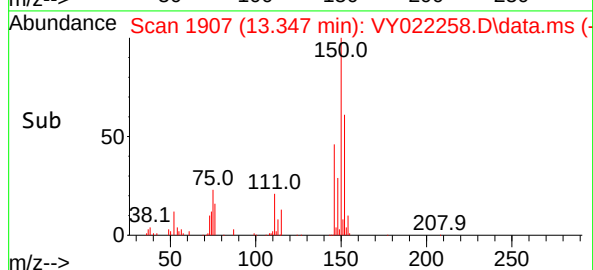
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

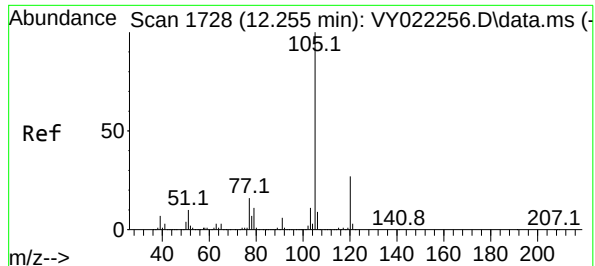


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47



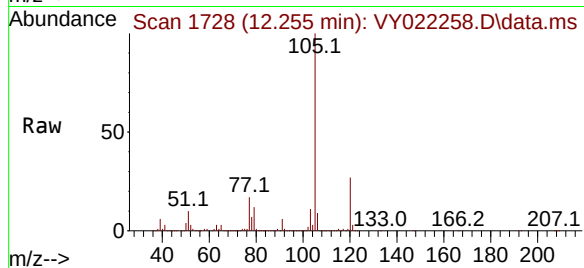
Tgt Ion:152 Resp: 187978
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 208.7 0.0 353.8





#73
Isopropylbenzene
Concen: 151.387 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

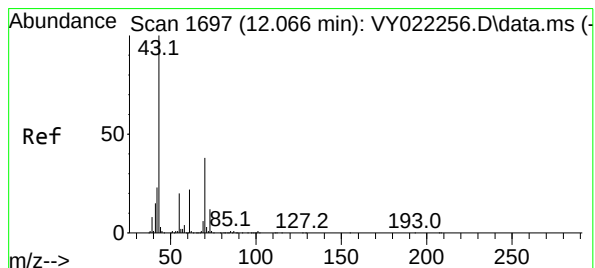
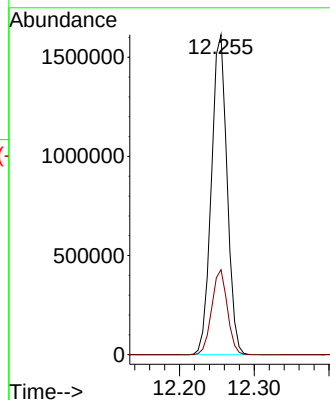
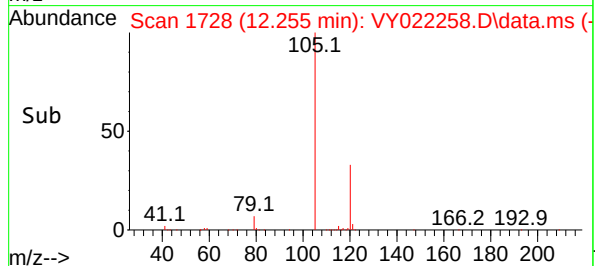
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 235756
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

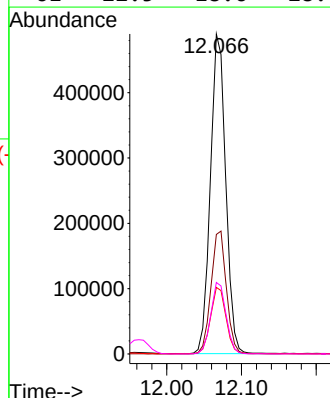
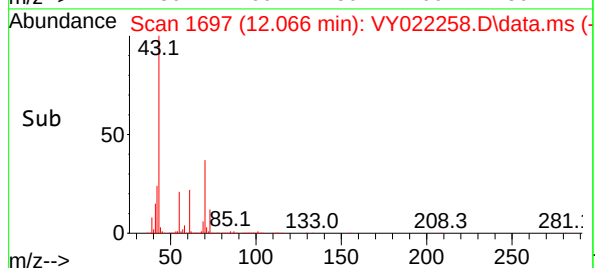
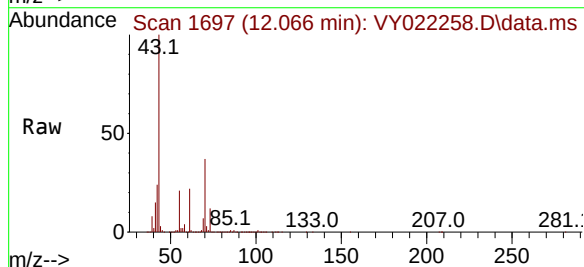
Manual Integrations
APPROVED

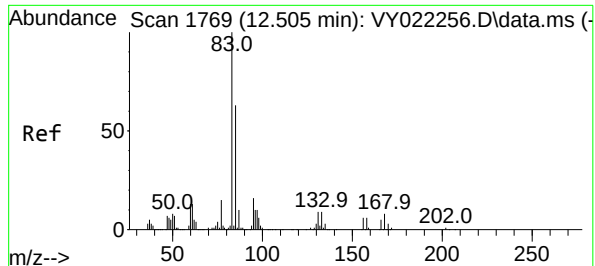
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 156.041 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

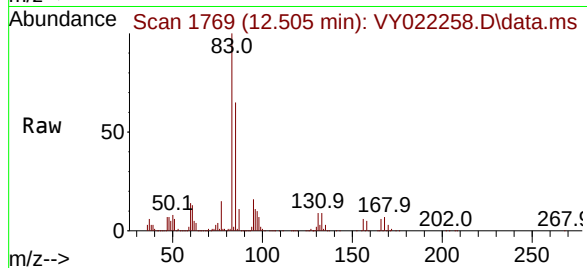
Tgt Ion: 43 Resp: 694999
Ion Ratio Lower Upper
43 100
70 38.7 31.4 47.0
55 21.0 17.0 25.6
61 22.5 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 156.735 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

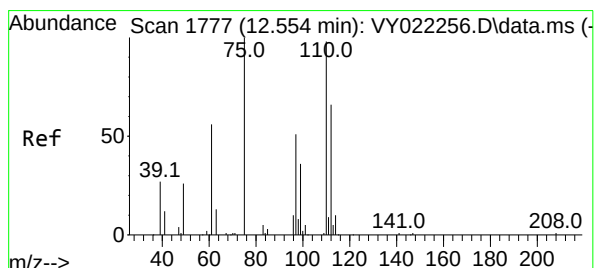
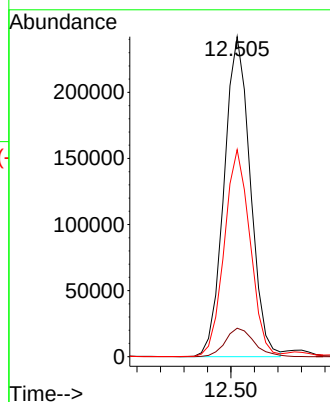
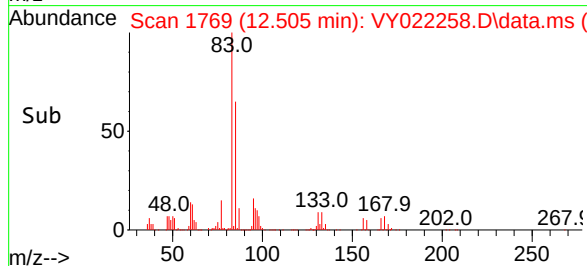
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 375378
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 63.8 32.0 96.0

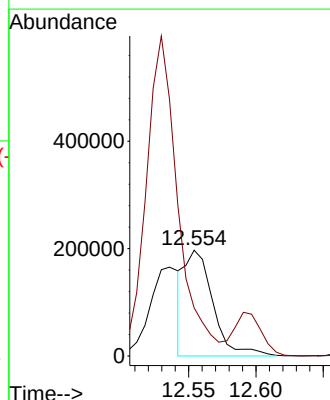
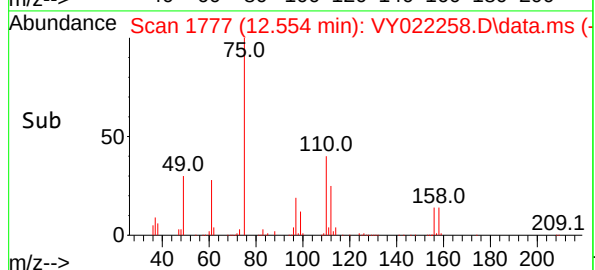
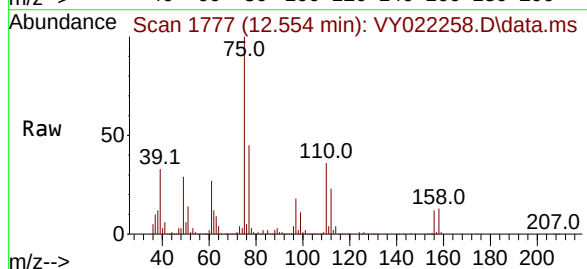
Manual Integrations
APPROVED

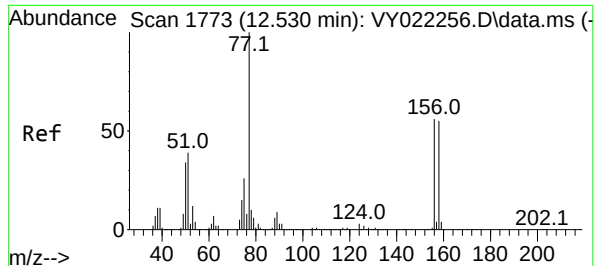
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 87.525 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

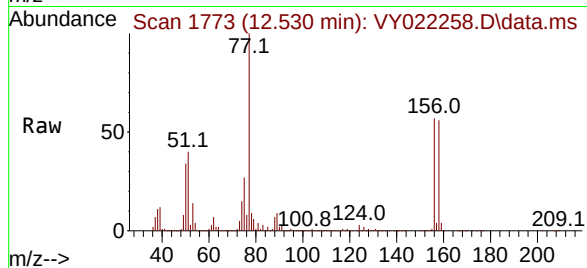
Tgt Ion: 75 Resp: 289968
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 153.206 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

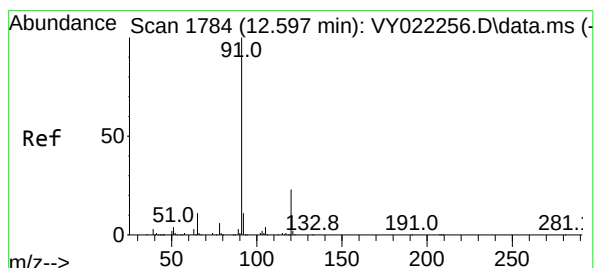
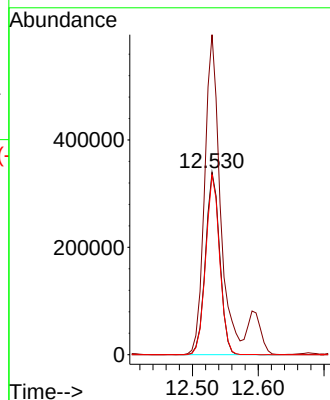
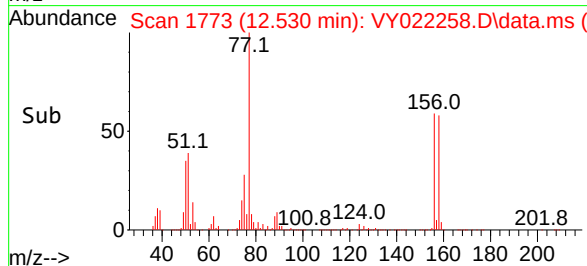
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 156 Resp: 509579
Ion Ratio Lower Upper
156 100
77 191.5 94.5 283.6
158 97.3 48.4 145.3

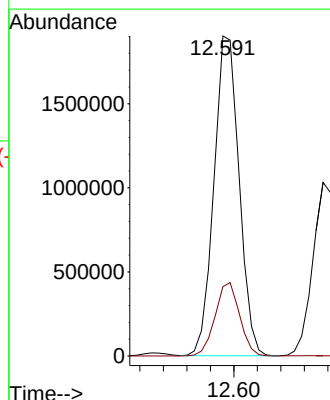
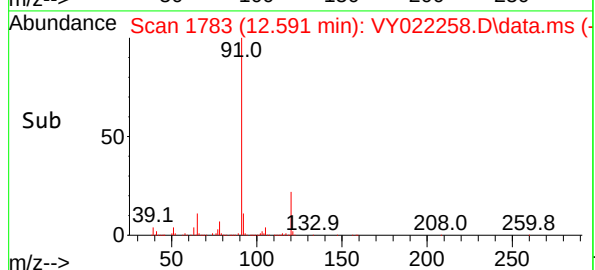
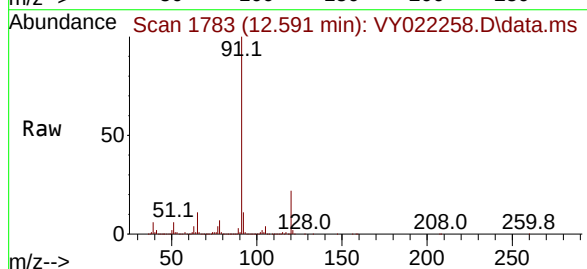
Manual Integrations
APPROVED

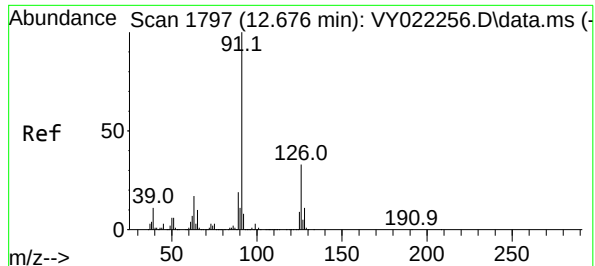
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 150.276 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 2822794
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 151.415 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1563000

Ion Ratio Lower Upper

91 100

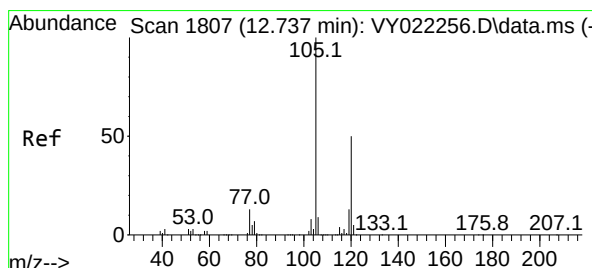
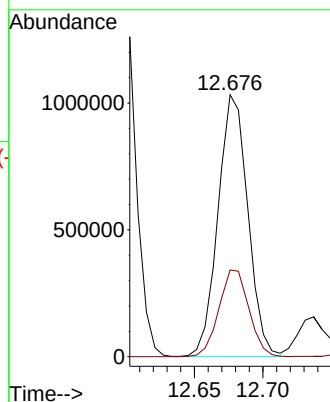
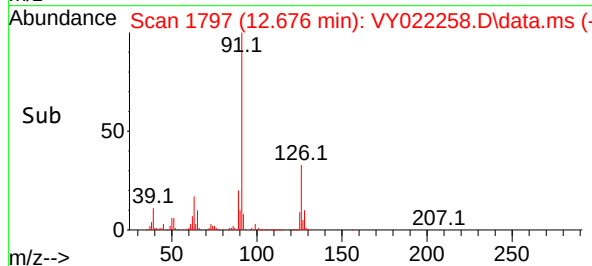
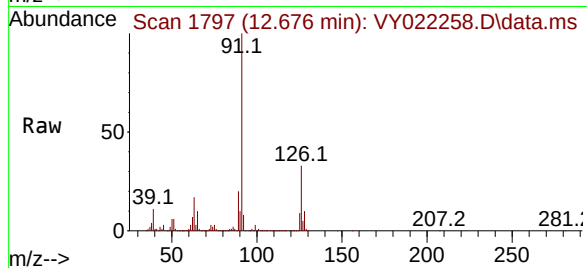
126 33.4 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 150.219 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022258.D

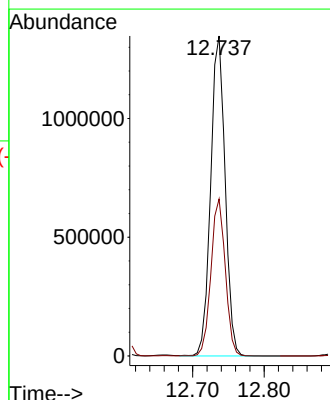
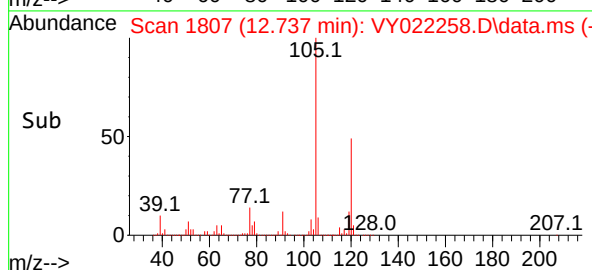
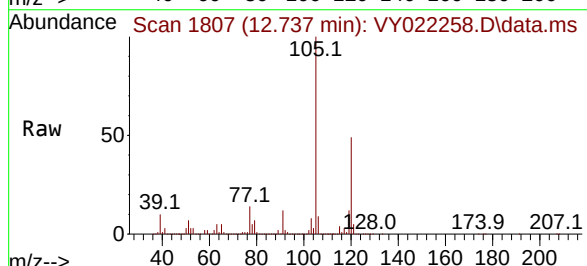
Acq: 15 May 2025 11:47

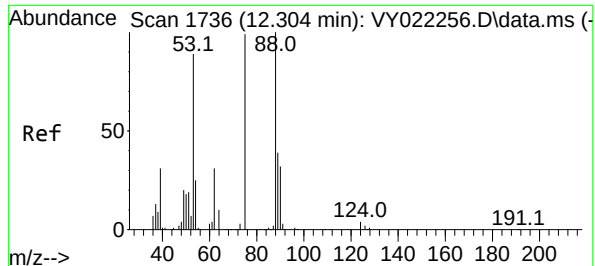
Tgt Ion:105 Resp: 1888432

Ion Ratio Lower Upper

105 100

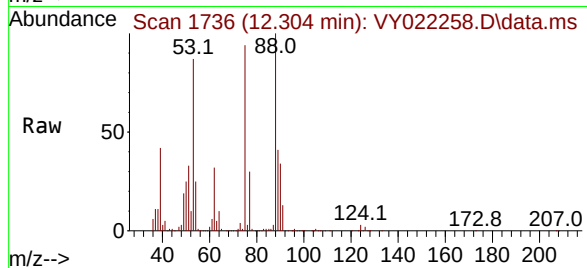
120 48.7 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 148.846 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

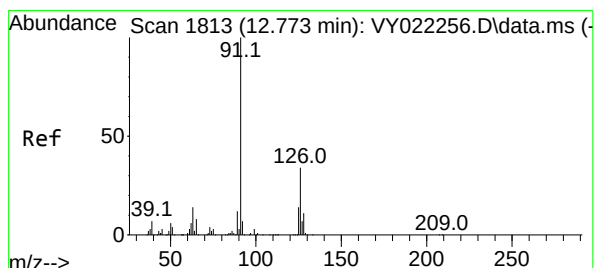
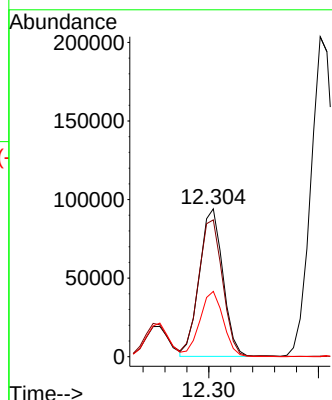
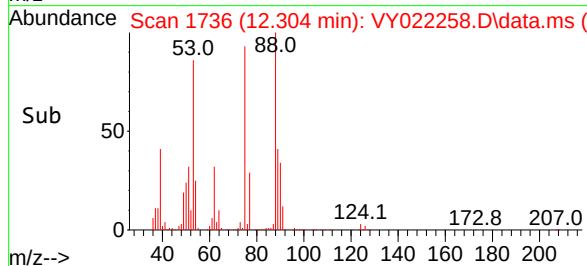
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 13993
Ion Ratio Lower Upper
75 100
53 95.1 75.8 113.8
89 44.4 36.2 54.2

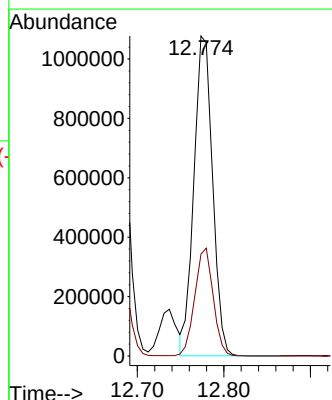
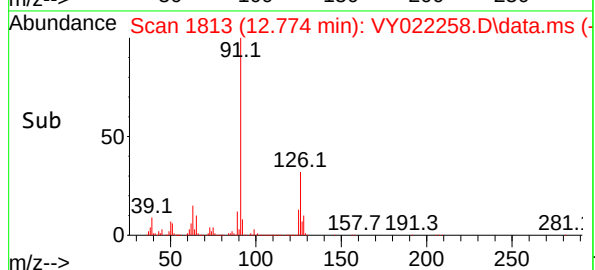
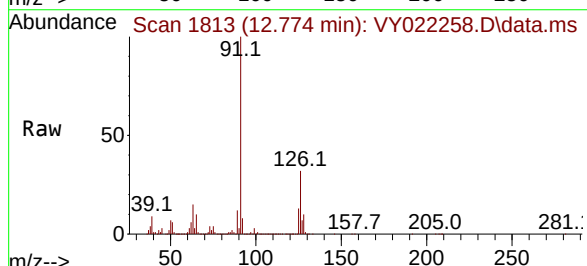
Manual Integrations
APPROVED

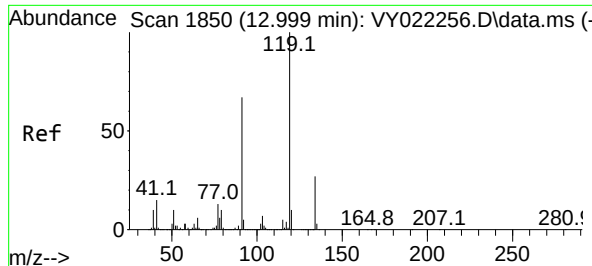
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 152.250 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

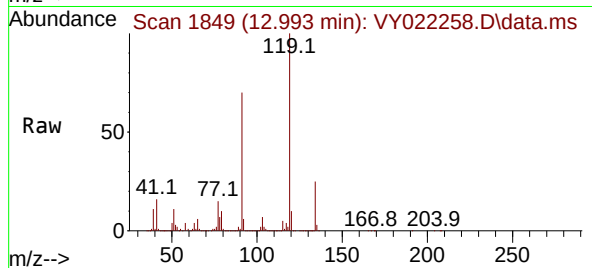
Tgt Ion: 91 Resp: 1616520
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.4





#83
tert-Butylbenzene
Concen: 152.144 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

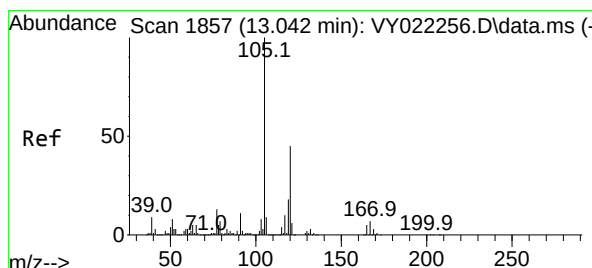
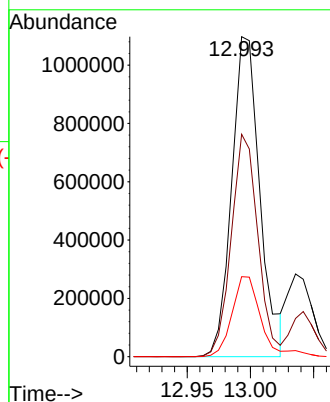
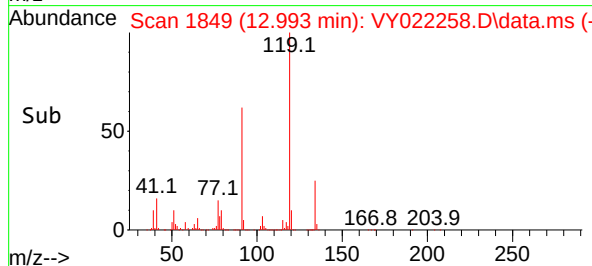
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:119 Resp: 1699962
Ion Ratio Lower Upper
119 100
91 65.7 32.8 98.3
134 25.9 12.9 38.6

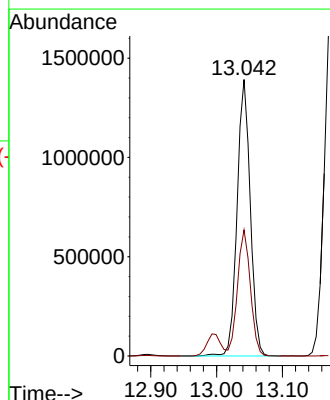
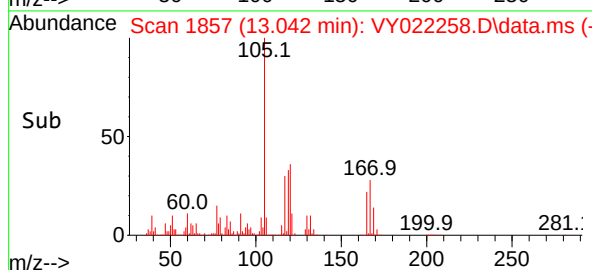
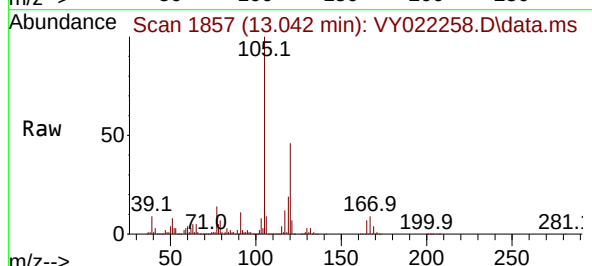
Manual Integrations
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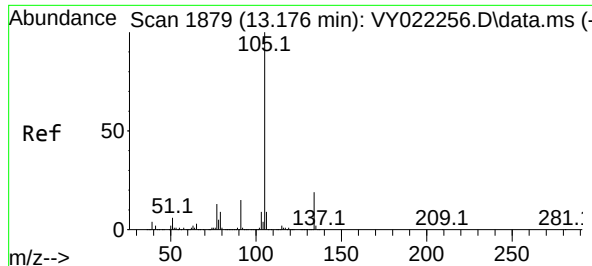
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 155.030 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

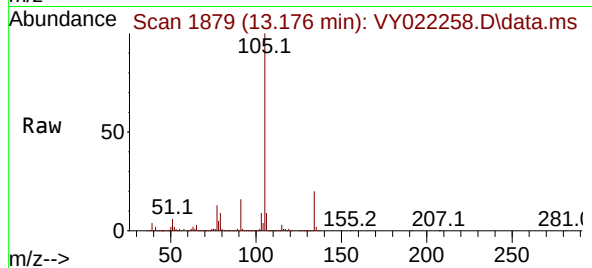
Tgt Ion:105 Resp: 1934641
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9





#85
sec-Butylbenzene
Concen: 150.330 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

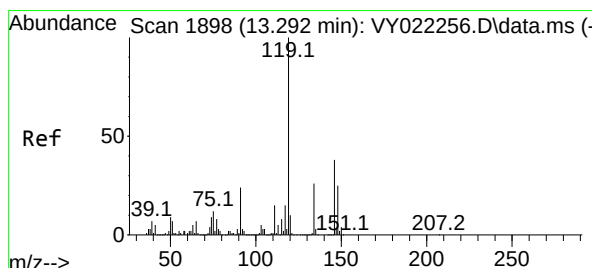
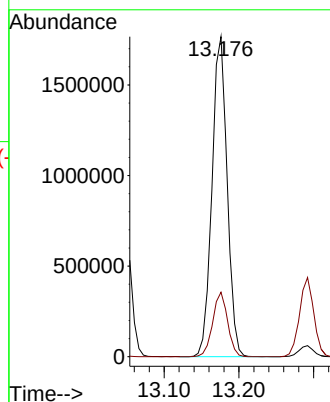
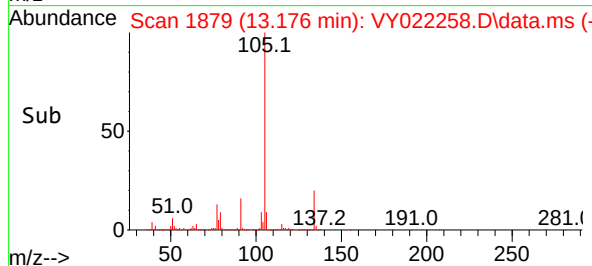
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



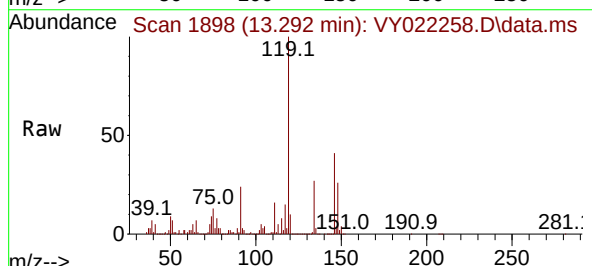
Tgt Ion:105 Resp: 249339
Ion Ratio Lower Upper
105 100
134 19.8 9.8 29.5

Manual Integrations
APPROVED

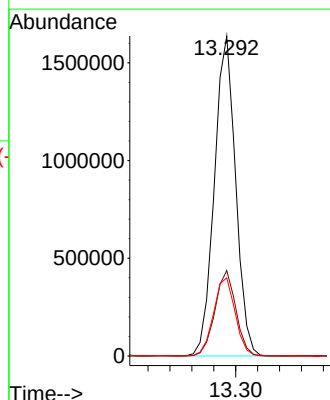
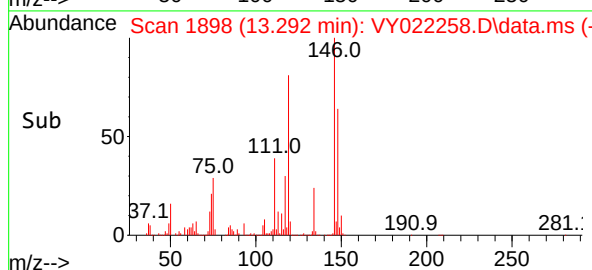
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

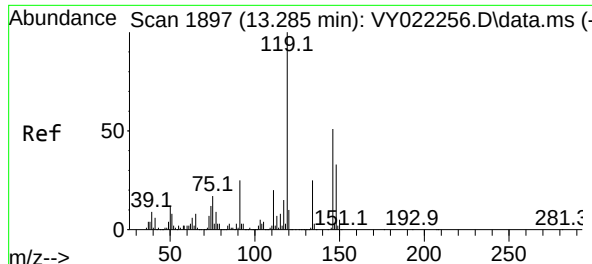


#86
p-Isopropyltoluene
Concen: 158.088 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47



Tgt Ion:119 Resp: 2205275
Ion Ratio Lower Upper
119 100
134 26.2 12.9 38.6
91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 158.981 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1079479

Ion Ratio Lower Upper

146 100

111 40.7 19.9 59.7

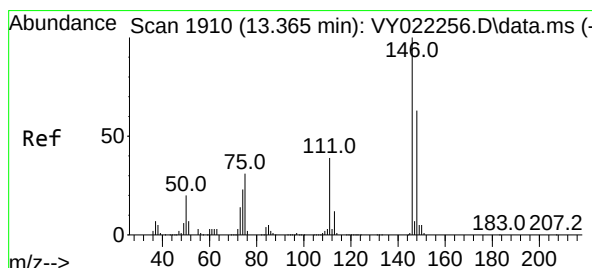
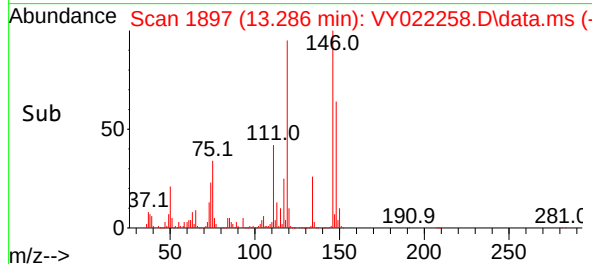
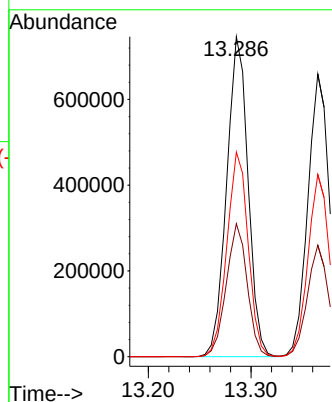
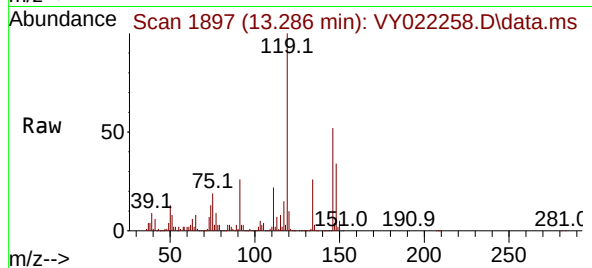
148 63.8 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 148.497 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

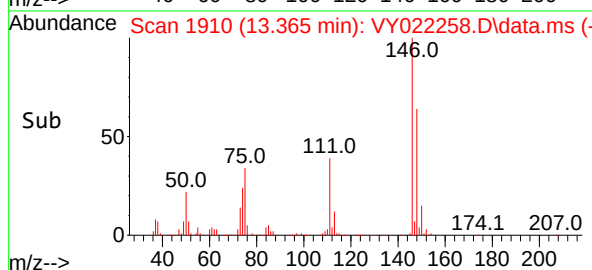
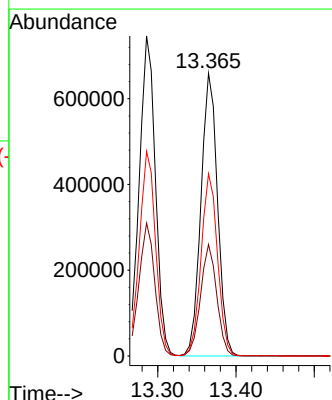
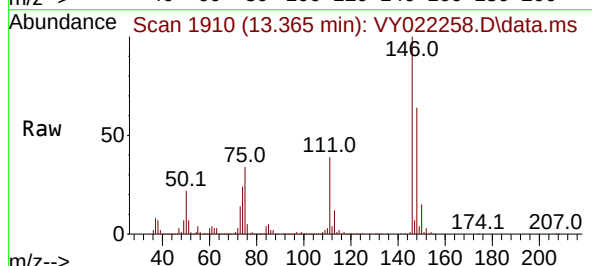
Tgt Ion:146 Resp: 969874

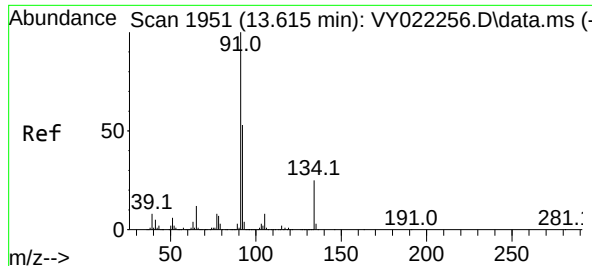
Ion Ratio Lower Upper

146 100

111 38.4 20.0 59.9

148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 150.985 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1992554

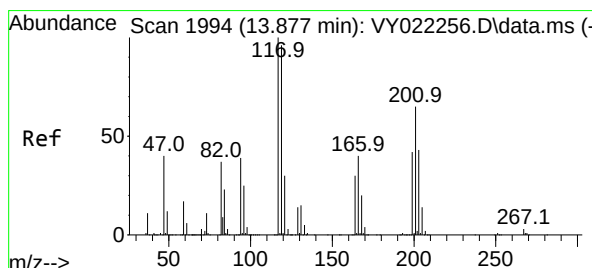
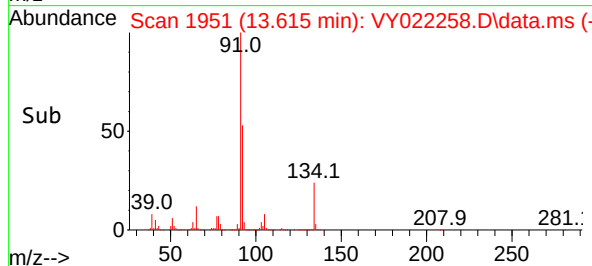
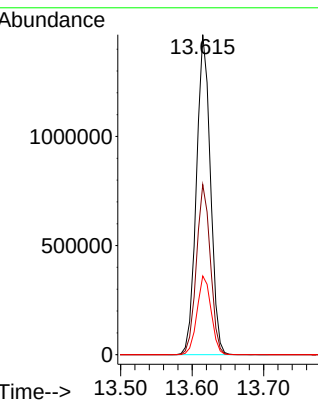
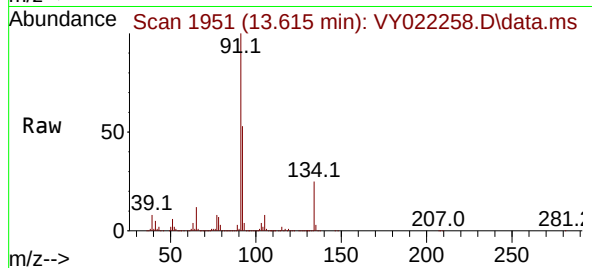
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#90

Hexachloroethane

Concen: 148.208 ug/l

RT: 13.877 min Scan# 1994

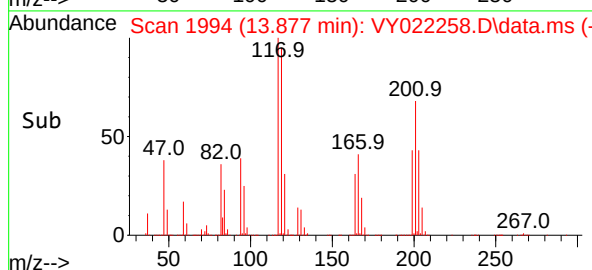
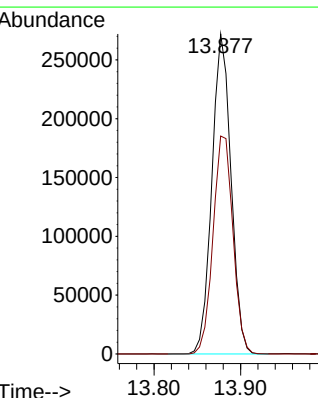
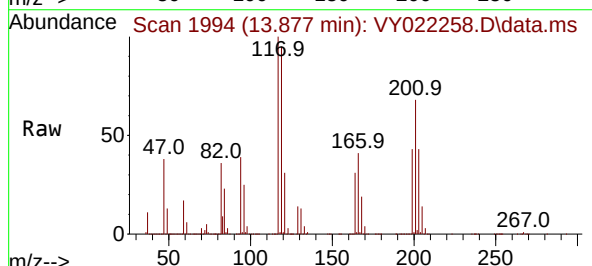
Delta R.T. 0.000 min

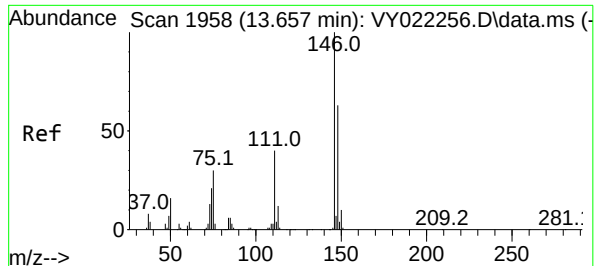
Lab File: VY022258.D

Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

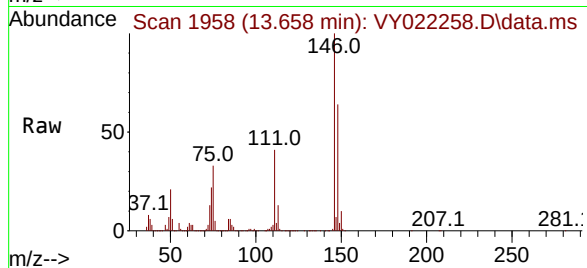
Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 150.565 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

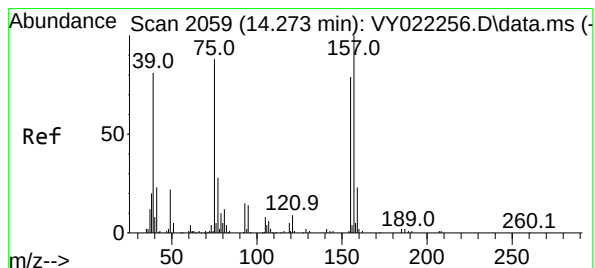
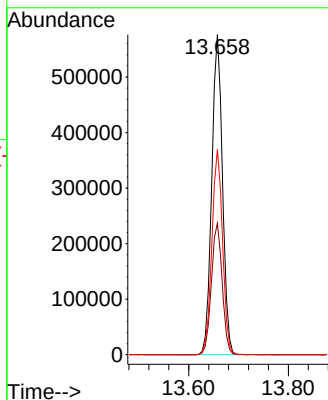
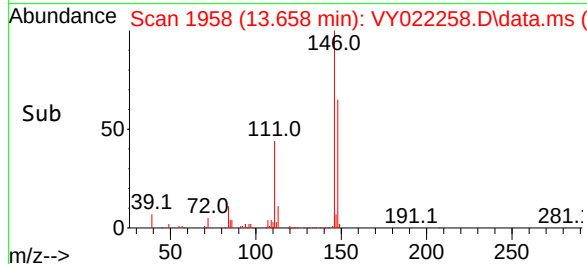
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:146 Resp: 858733
Ion Ratio Lower Upper
146 100
111 41.3 20.5 61.5
148 63.8 32.0 96.0

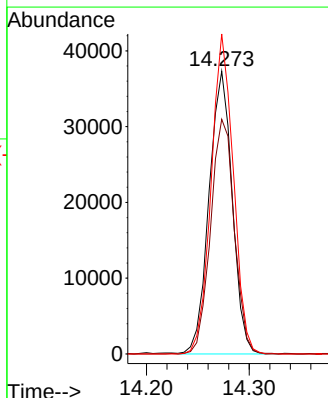
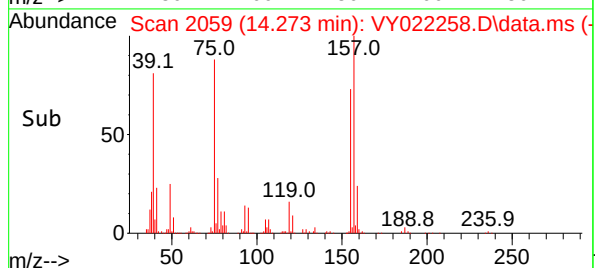
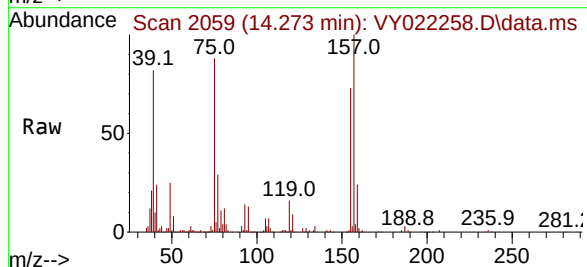
Manual Integrations
APPROVED

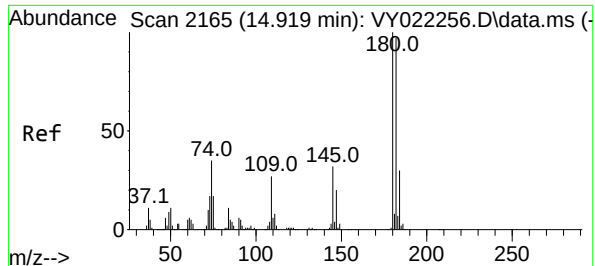
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 151.172 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

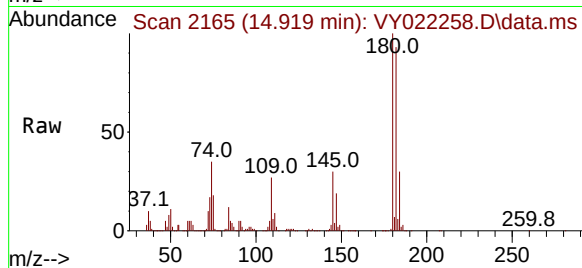
Tgt Ion: 75 Resp: 58383
Ion Ratio Lower Upper
75 100
155 84.6 43.4 130.1
157 108.4 54.6 163.9





#93
1,2,4-Trichlorobenzene
Concen: 154.361 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

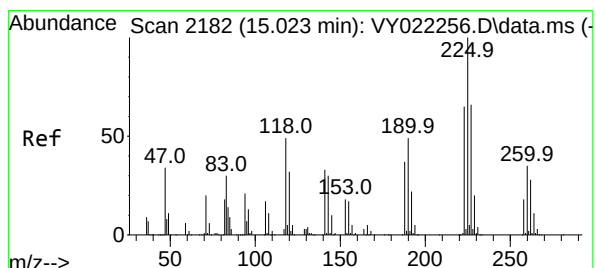
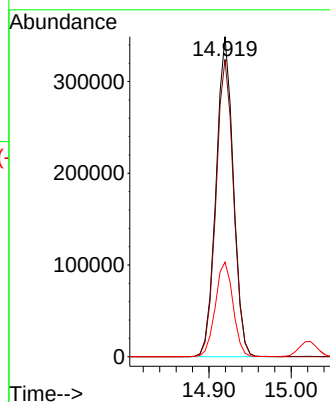
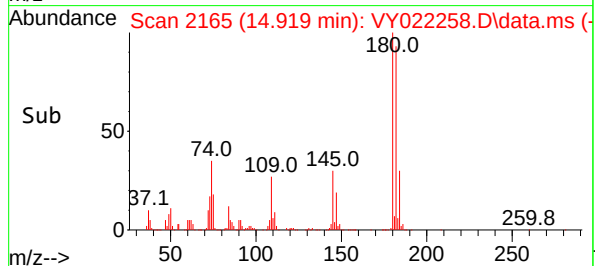
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:180 Resp: 50853
Ion Ratio Lower Upper
180 100
182 94.3 48.0 144.0
145 30.4 15.0 45.1

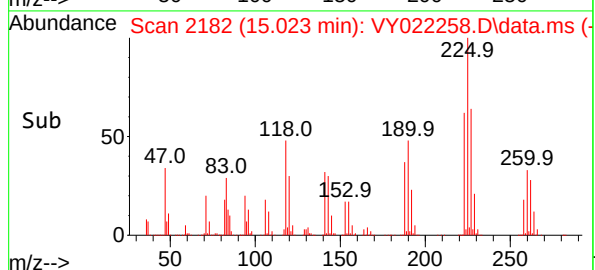
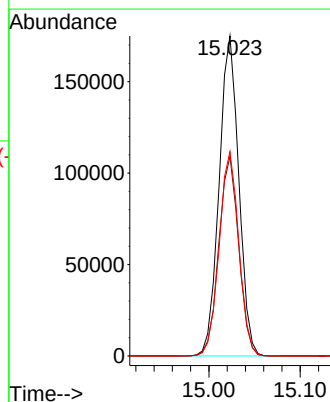
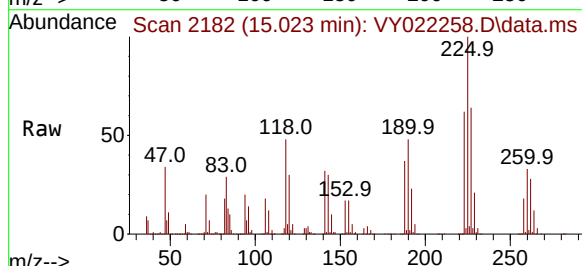
Manual Integrations
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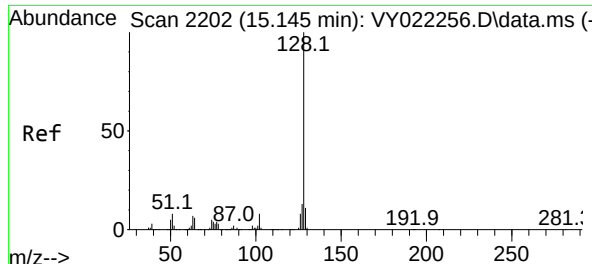
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94
Hexachlorobutadiene
Concen: 142.514 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:225 Resp: 261832
Ion Ratio Lower Upper
225 100
223 62.9 31.5 94.5
227 63.8 32.1 96.3





#95

Naphthalene

Concen: 156.653 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 979369

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

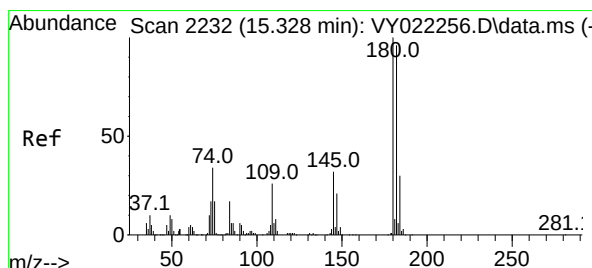
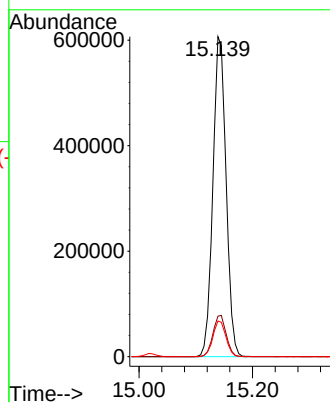
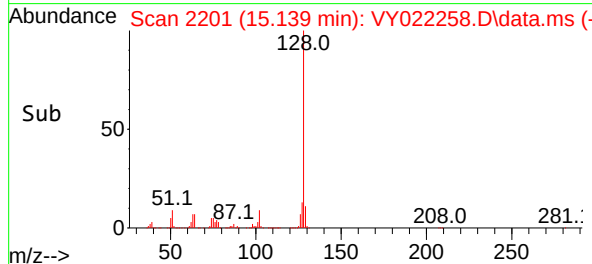
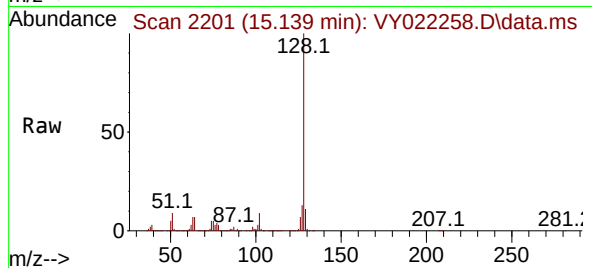
129 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#96

1,2,3-Trichlorobenzene

Concen: 152.509 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022258.D

Acq: 15 May 2025 11:47

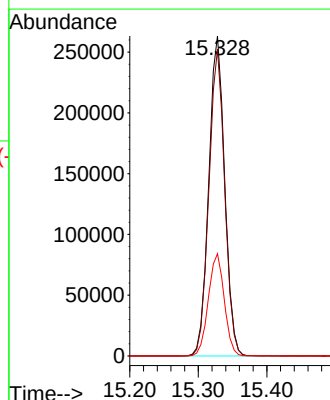
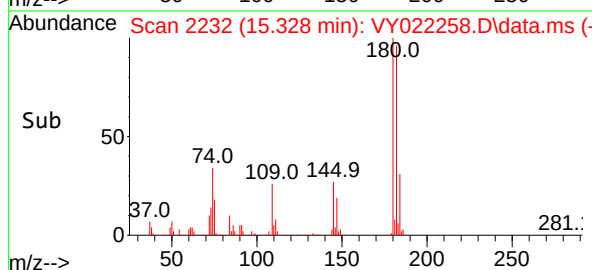
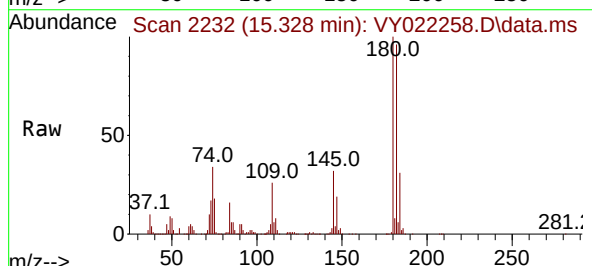
Tgt Ion:180 Resp: 426231

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.3

145 31.9 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY051525

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	252715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%			
35) Dibromofluoromethane	7.634	113	132263	51.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.109	98	537188	51.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	169575	51.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	130352	49.432	ug/l	97
3) Chloromethane	2.068	50	270248	48.719	ug/l	98
4) Vinyl Chloride	2.202	62	316755	51.111	ug/l	99
5) Bromomethane	2.598	94	244611	48.486	ug/l	99
6) Chloroethane	2.732	64	205247	53.234	ug/l	99
7) Trichlorofluoromethane	3.056	101	321098	51.174	ug/l	99
8) Diethyl Ether	3.458	74	78386	52.055	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564	ug/l	100
10) Methyl Iodide	4.007	142	156397	49.606	ug/l	99
11) Tert butyl alcohol	4.872	59	55922	265.144	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487	ug/l	98
13) Acrolein	3.653	56	73495	238.362	ug/l	98
14) Allyl chloride	4.378	41	250342	52.817	ug/l	100
15) Acrylonitrile	5.055	53	164507	265.134	ug/l	99
16) Acetone	3.872	43	130848	252.660	ug/l	99
17) Carbon Disulfide	4.104	76	456302	51.765	ug/l	99
18) Methyl Acetate	4.385	43	97091	59.461	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096	ug/l	99
20) Methylene Chloride	4.610	84	158275	47.298	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552	ug/l	98
22) Diisopropyl ether	6.018	45	521343	52.085	ug/l	99
23) Vinyl Acetate	5.957	43	1530507	253.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	288933	51.668	ug/l	97
25) 2-Butanone	6.896	43	221702	255.929	ug/l	97
26) 2,2-Dichloropropane	6.884	77	259587	52.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479	ug/l	100
28) Bromochloromethane	7.250	49	124761	52.305	ug/l	99
29) Tetrahydrofuran	7.262	42	147603	264.847	ug/l	99
30) Chloroform	7.421	83	283264	52.810	ug/l	100
31) Cyclohexane	7.701	56	271949	48.673	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523	ug/l	99
36) 1,1-Dichloropropene	7.835	75	212786	50.457	ug/l	99
37) Ethyl Acetate	6.982	43	102740	50.633	ug/l	98
38) Carbon Tetrachloride	7.817	117	220636	50.543	ug/l	98
39) Methylcyclohexane	9.109	83	283373	50.015	ug/l	98
40) Benzene	8.079	78	646289	51.696	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY051525

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	72143m	53.599	ug/l	
42) 1,2-Dichloroethane	8.158	62	175241	51.834	ug/l	100
43) Isopropyl Acetate	8.195	43	227521	51.415	ug/l #	89
44) Trichloroethene	8.865	130	156468	50.335	ug/l	96
45) 1,2-Dichloropropane	9.140	63	154975	51.417	ug/l	99
46) Dibromomethane	9.231	93	83597	51.423	ug/l	100
47) Bromodichloromethane	9.426	83	221446	52.508	ug/l	99
48) Methyl methacrylate	9.219	41	106283	51.357	ug/l	98
49) 1,4-Dioxane	9.231	88	18521	1008.479	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463	ug/l	99
52) Toluene	10.170	92	406420	51.337	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142	ug/l	99
56) Ethyl methacrylate	10.438	69	164207	50.639	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191889	51.880	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104	ug/l	100
59) 2-Hexanone	10.761	43	375224	257.738	ug/l	100
60) Dibromochloromethane	10.914	129	141652	52.425	ug/l	99
61) 1,2-Dibromoethane	11.018	107	99783	51.428	ug/l	99
64) Tetrachloroethene	10.646	164	162818	46.905	ug/l	99
65) Chlorobenzene	11.444	112	422170	49.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656	ug/l	99
67) Ethyl Benzene	11.517	91	794978	50.100	ug/l	99
68) m/p-Xylenes	11.627	106	604420	101.087	ug/l	99
69) o-Xylene	11.956	106	286712	50.682	ug/l	98
70) Styrene	11.969	104	481621	50.471	ug/l	99
71) Bromoform	12.133	173	80216	51.022	ug/l #	100
73) Isopropylbenzene	12.255	105	738398	49.964	ug/l	100
74) N-amyl acetate	12.072	43	210510	49.805	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	96804m	53.564	ug/l	
77) Bromobenzene	12.536	156	155843	49.374	ug/l	97
78) n-propylbenzene	12.596	91	896555	50.296	ug/l	100
79) 2-Chlorotoluene	12.682	91	491073	50.130	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231	ug/l	99
82) 4-Chlorotoluene	12.779	91	510451	50.661	ug/l	100
83) tert-Butylbenzene	12.999	119	527140	49.715	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535	ug/l	99
85) sec-Butylbenzene	13.176	105	787000	50.000	ug/l	100
86) p-Isopropyltoluene	13.291	119	664795	50.219	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669	ug/l	98
89) n-Butylbenzene	13.621	91	631222	50.402	ug/l	100
90) Hexachloroethane	13.883	117	132281	49.502	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794	ug/l	99
94) Hexachlorobutadiene	15.023	225	83287	47.770	ug/l	99
95) Naphthalene	15.145	128	287276	48.421	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

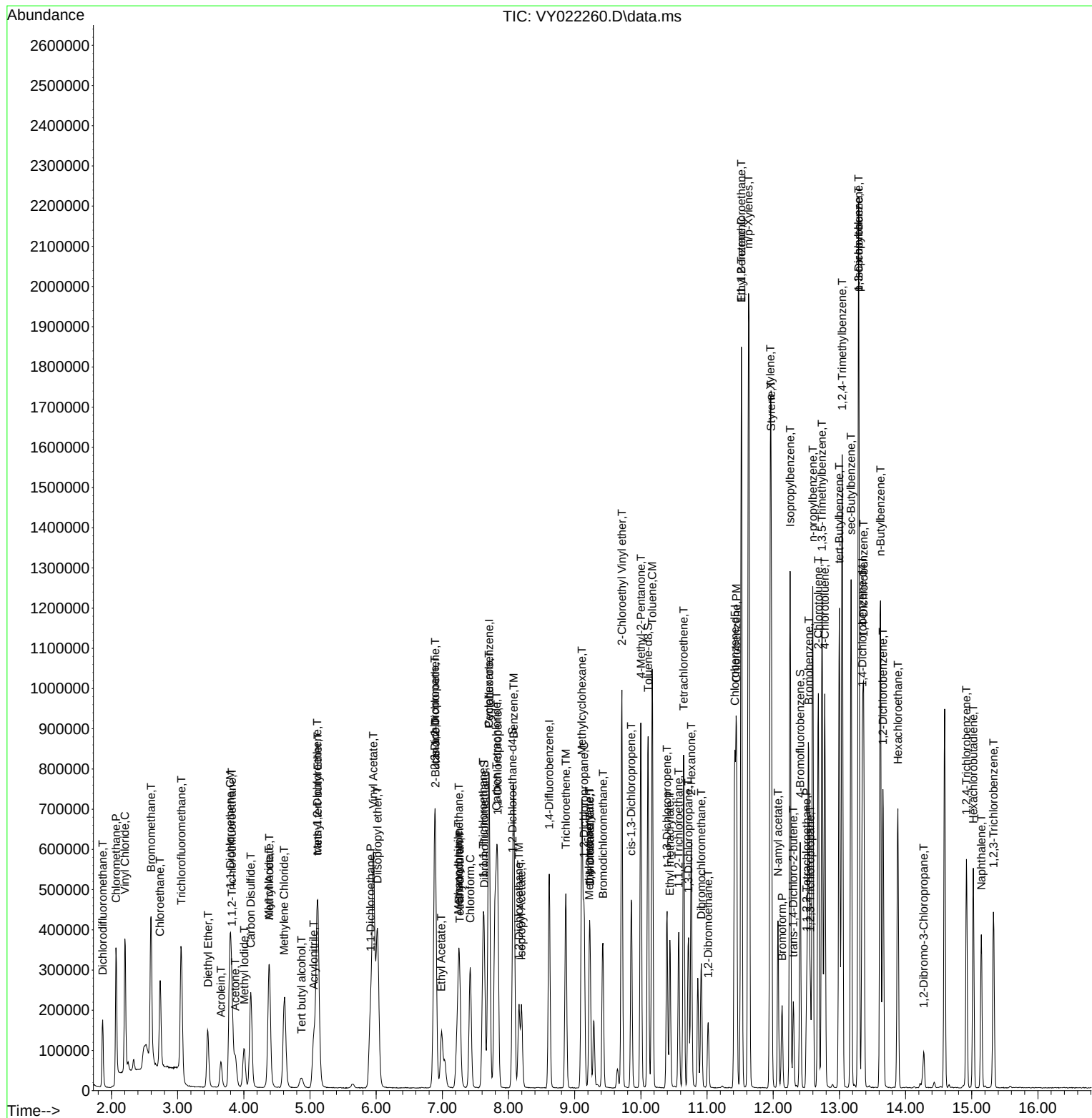
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

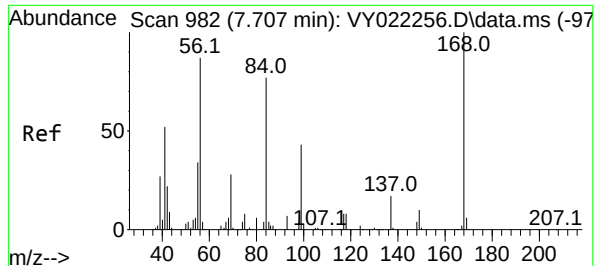
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

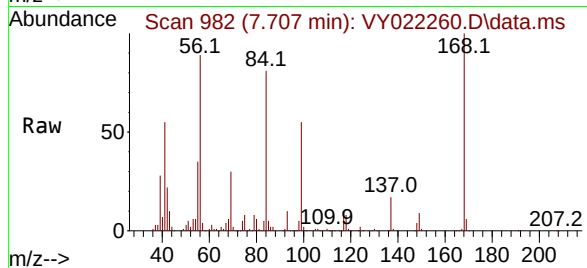
Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

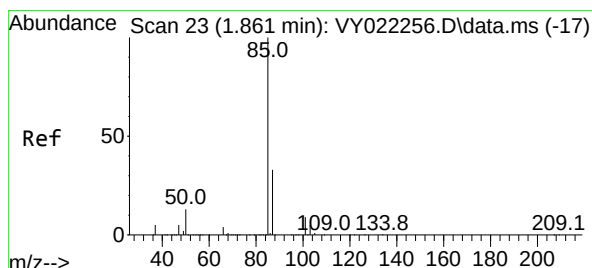
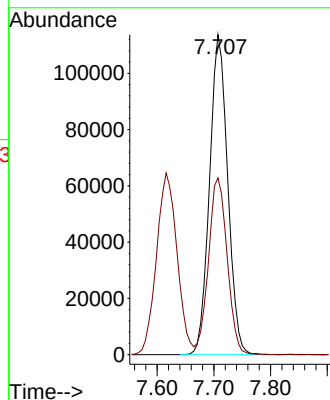
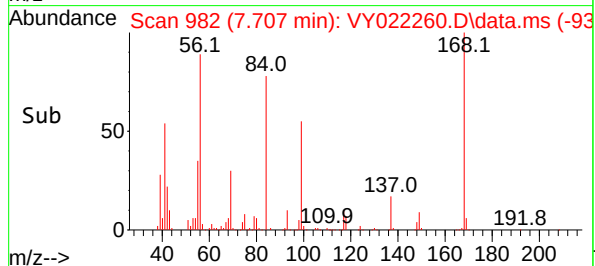
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 168 Resp: 252715
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4

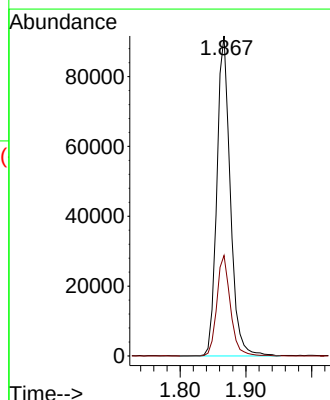
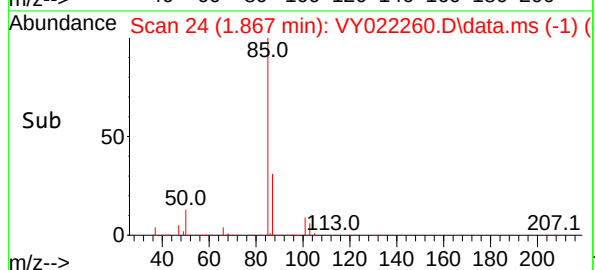
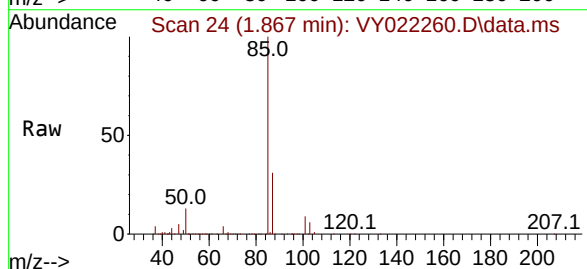
Manual Integrations
APPROVED

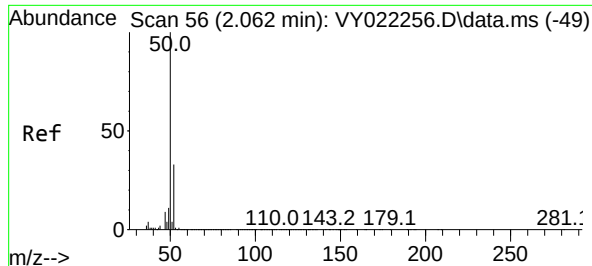
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 49.432 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

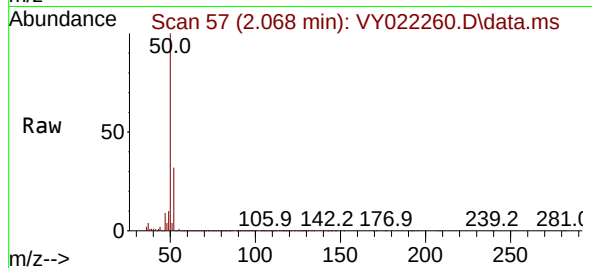
Tgt Ion: 85 Resp: 130352
Ion Ratio Lower Upper
85 100
87 31.4 16.5 49.5





#3
Chloromethane
Concen: 48.719 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

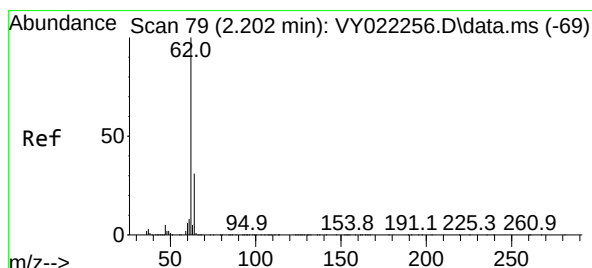
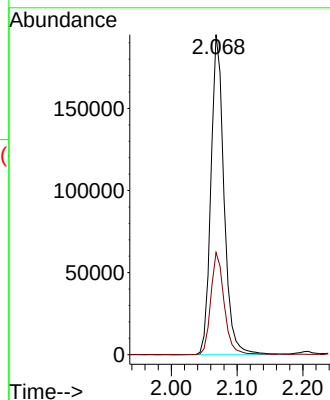
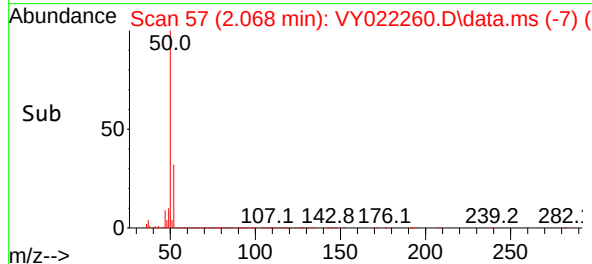
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 50 Resp: 270248
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

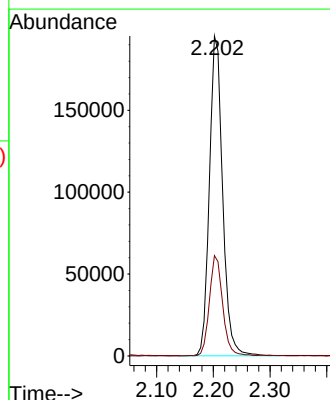
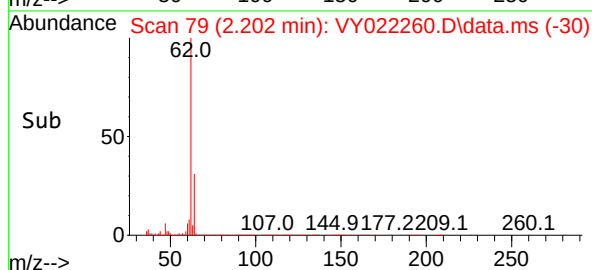
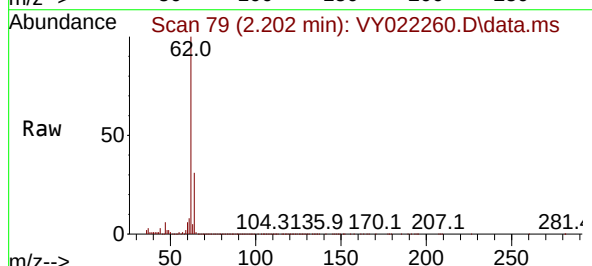
Manual Integrations
APPROVED

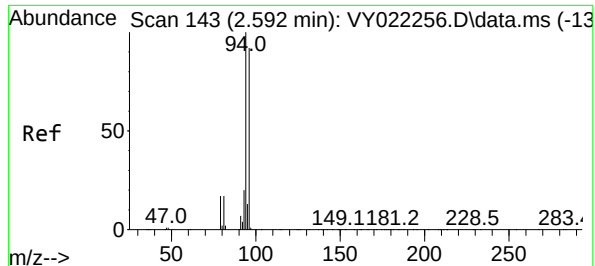
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 51.111 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

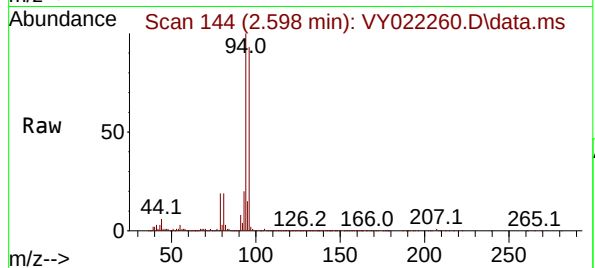
Tgt Ion: 62 Resp: 316755
Ion Ratio Lower Upper
62 100
64 31.3 24.5 36.7





#5
Bromomethane
Concen: 48.486 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

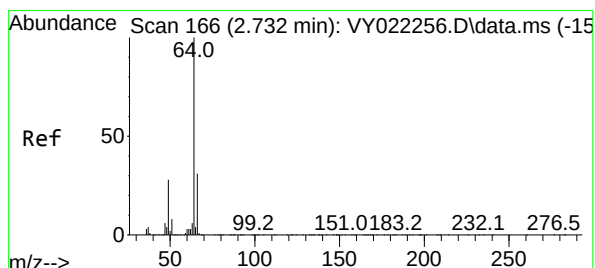
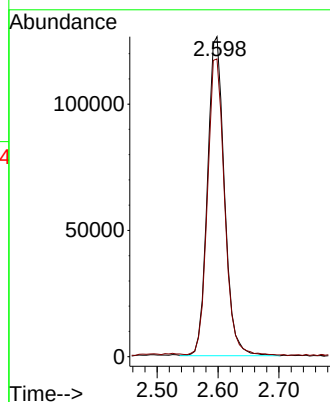
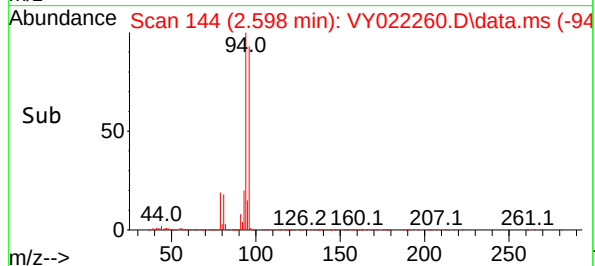
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 94 Resp: 24461
Ion Ratio Lower Upper
94 100
96 92.8 73.4 110.0

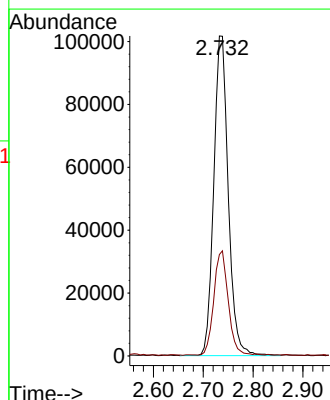
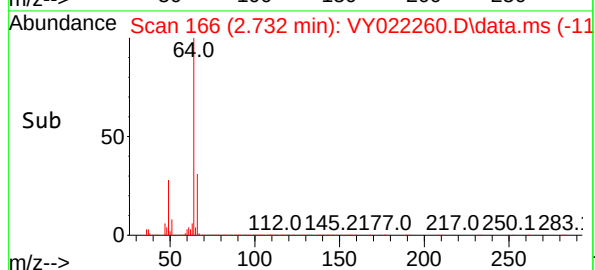
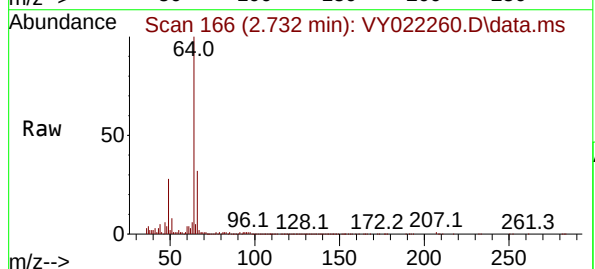
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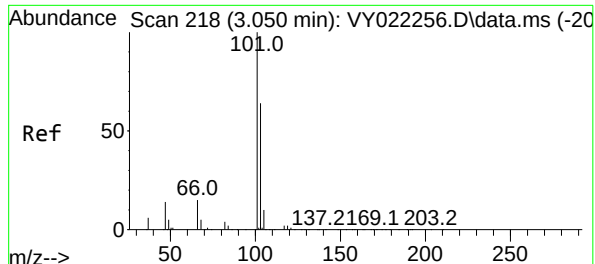
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 53.234 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

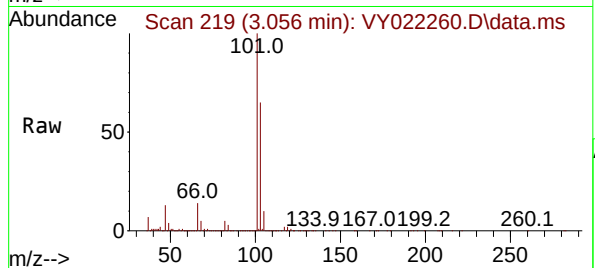
Tgt Ion: 64 Resp: 205247
Ion Ratio Lower Upper
64 100
66 31.4 24.8 37.2





#7
Trichlorofluoromethane
Concen: 51.174 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

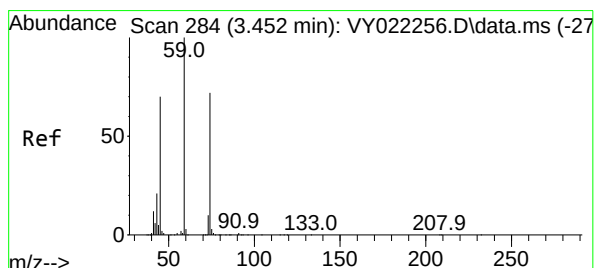
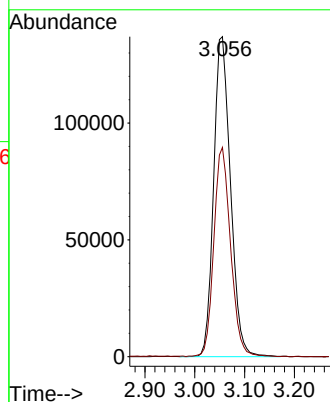
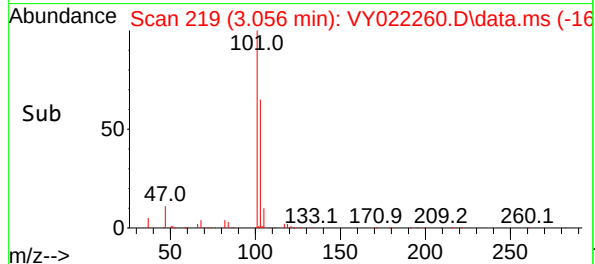
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:101 Resp: 321098
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5

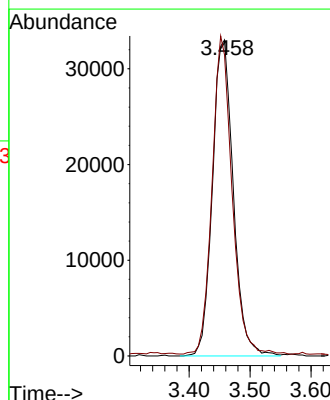
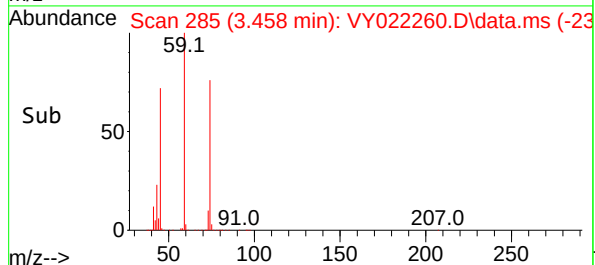
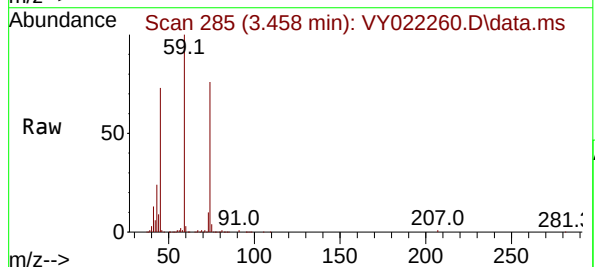
Manual Integrations
APPROVED

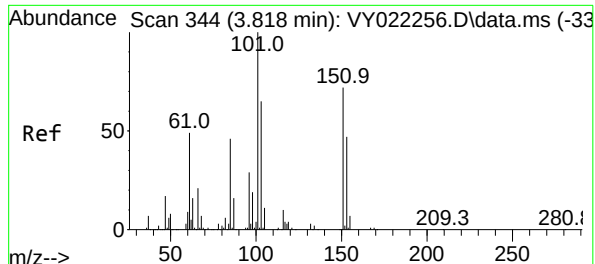
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 52.055 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

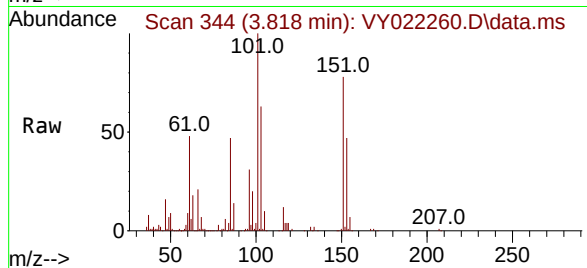
Tgt Ion: 74 Resp: 78386
Ion Ratio Lower Upper
74 100
45 96.3 48.6 145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

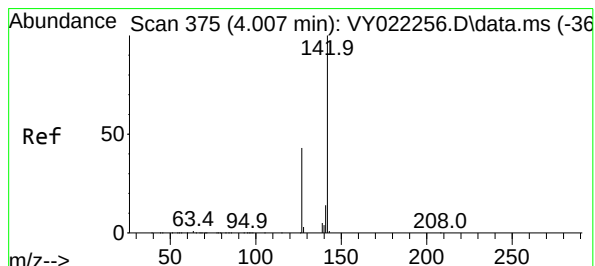
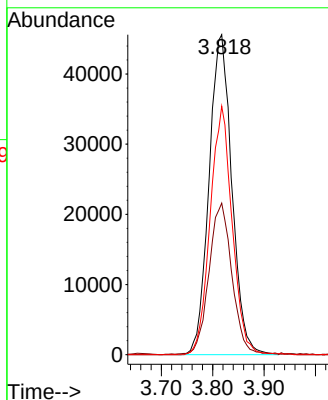
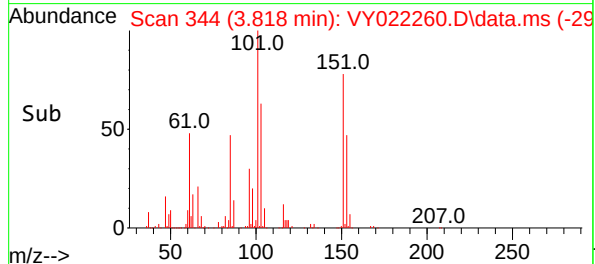
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:101 Resp: 140460
Ion Ratio Lower Upper
101 100
85 47.9 38.6 58.0
151 74.9 59.7 89.5

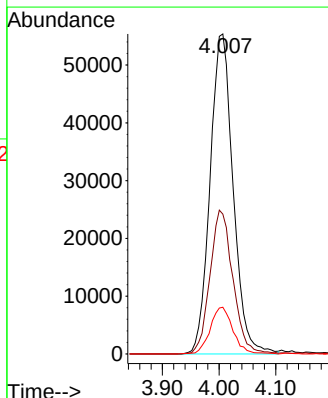
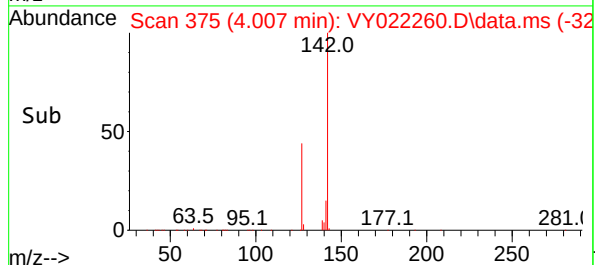
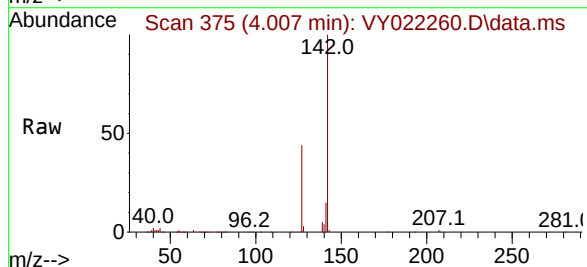
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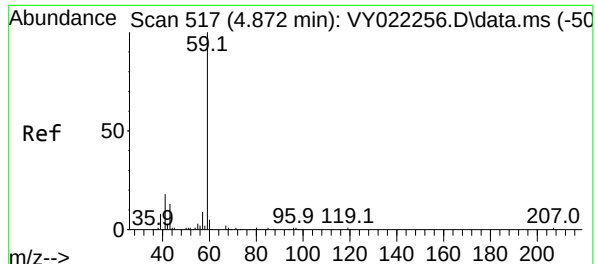
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 49.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:142 Resp: 156397
Ion Ratio Lower Upper
142 100
127 44.8 35.7 53.5
141 14.4 11.1 16.7





#11

Tert butyl alcohol

Concen: 265.144 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 59 Resp: 5592

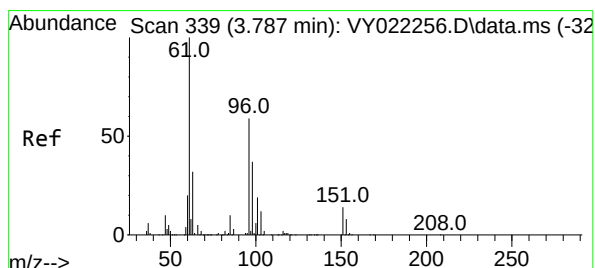
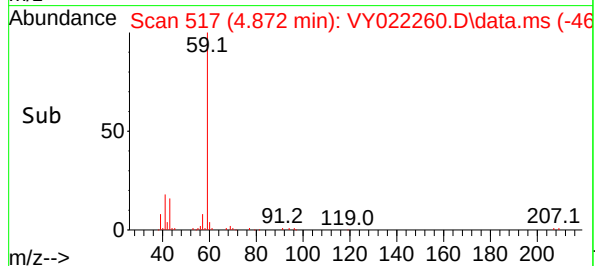
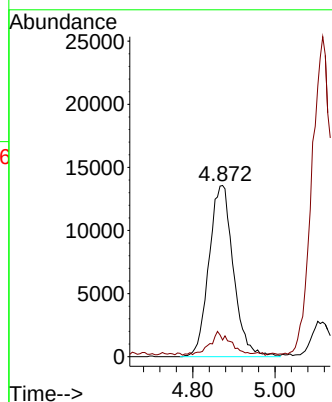
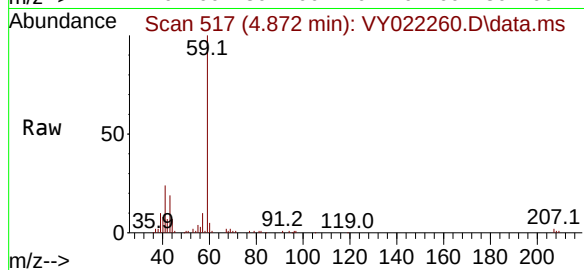
Ion Ratio Lower Upper

59 100

57 10.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#12

1,1-Dichloroethene

Concen: 51.487 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

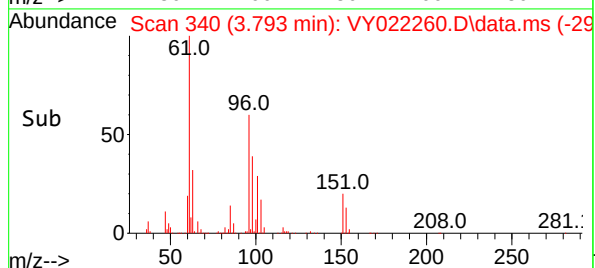
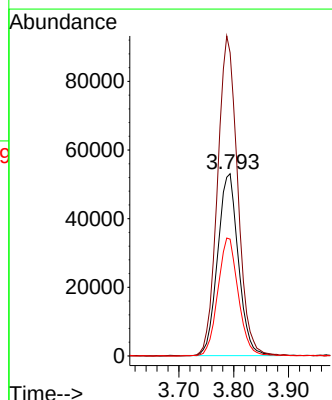
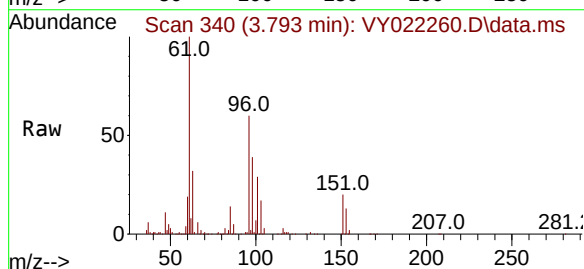
Tgt Ion: 96 Resp: 139180

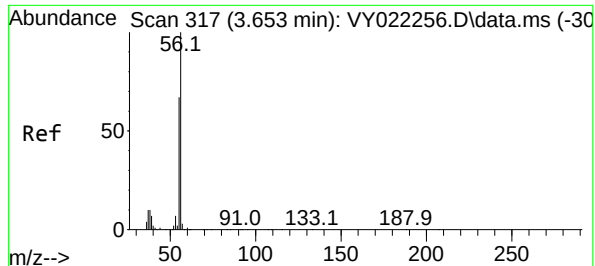
Ion Ratio Lower Upper

96 100

61 166.8 134.9 202.3

98 64.1 49.9 74.9





#13

Acrolein

Concen: 238.362 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 56 Resp: 7349

Ion Ratio Lower Upper

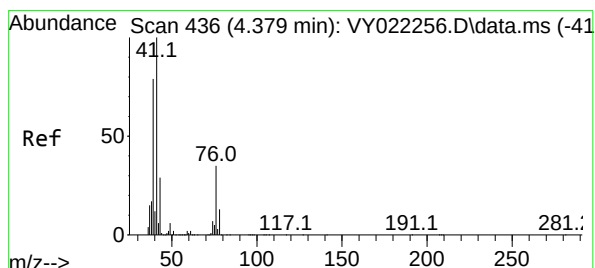
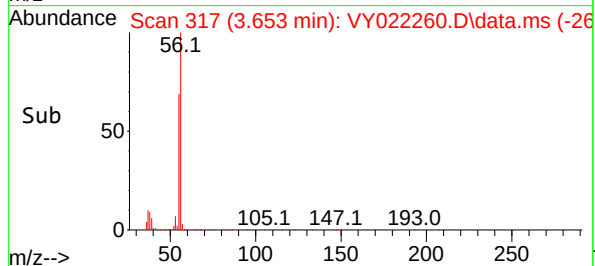
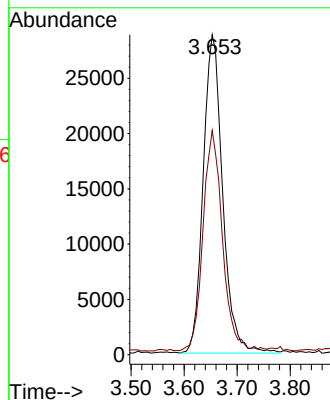
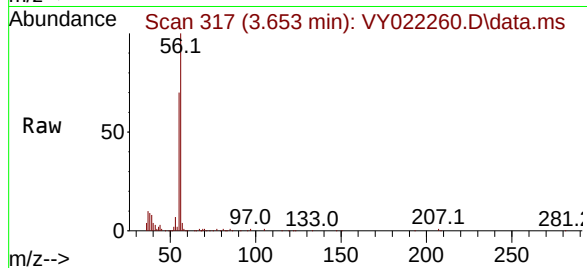
56 100

55 68.2 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#14

Allyl chloride

Concen: 52.817 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

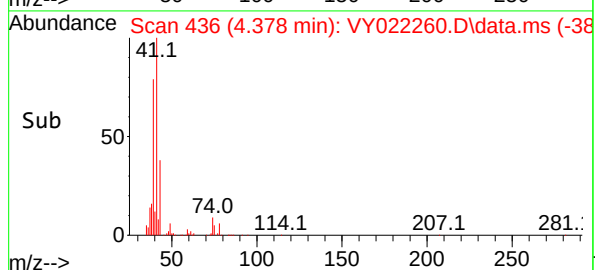
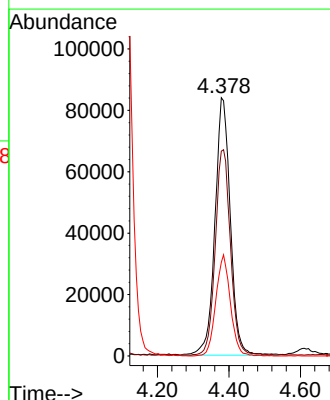
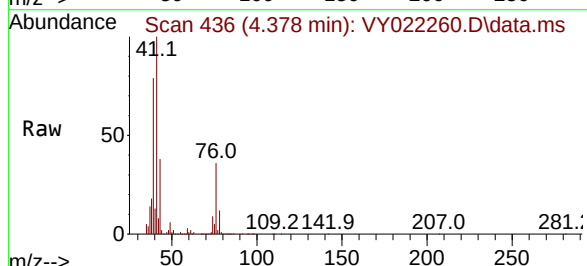
Tgt Ion: 41 Resp: 250342

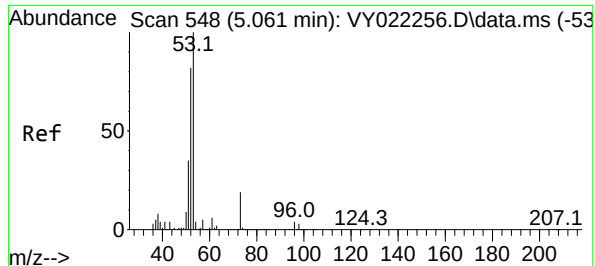
Ion Ratio Lower Upper

41 100

39 78.9 63.4 95.0

76 37.0 29.5 44.3





#15

Acrylonitrile

Concen: 265.134 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 53 Resp: 16450

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

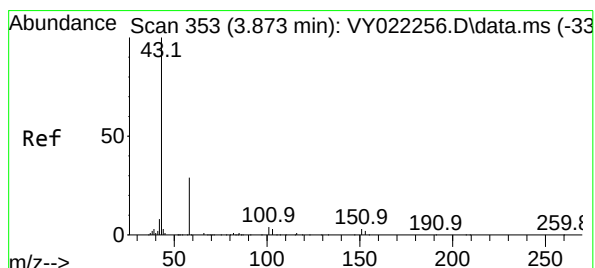
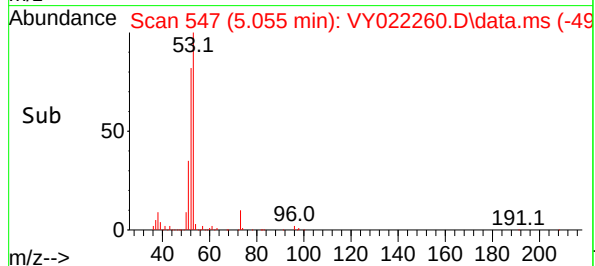
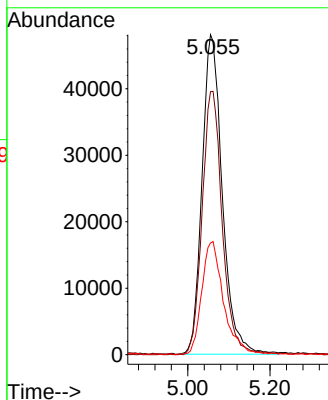
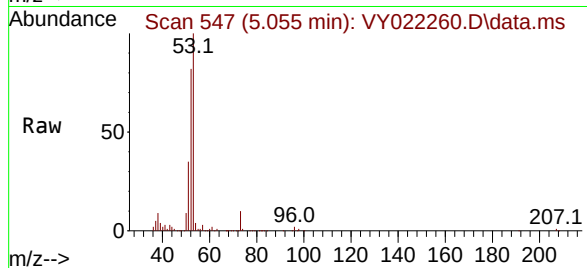
51 38.2 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#16

Acetone

Concen: 252.660 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.000 min

Lab File: VY022260.D

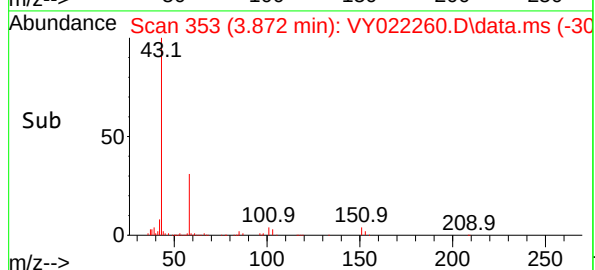
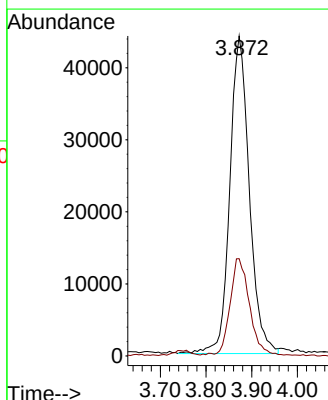
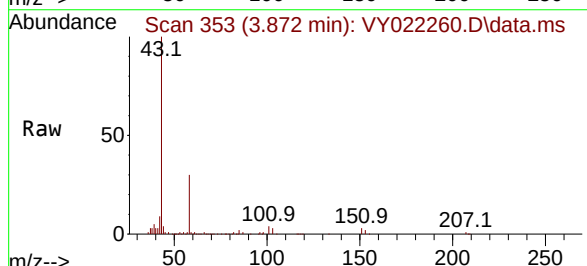
Acq: 15 May 2025 13:20

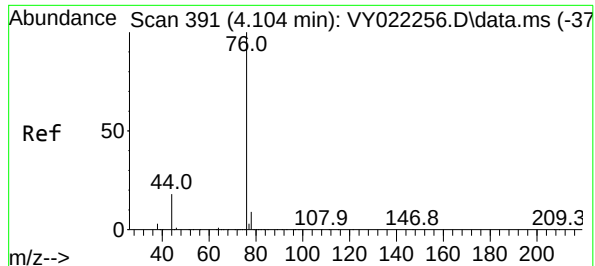
Tgt Ion: 43 Resp: 130848

Ion Ratio Lower Upper

43 100

58 30.2 23.6 35.4





#17

Carbon Disulfide

Concen: 51.765 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 76 Resp: 456302

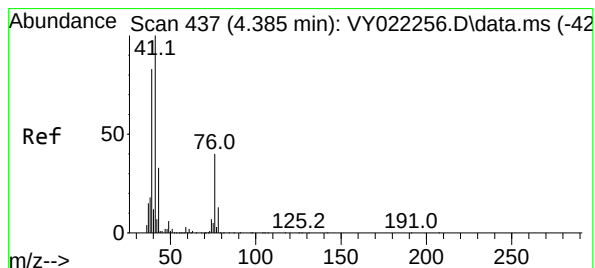
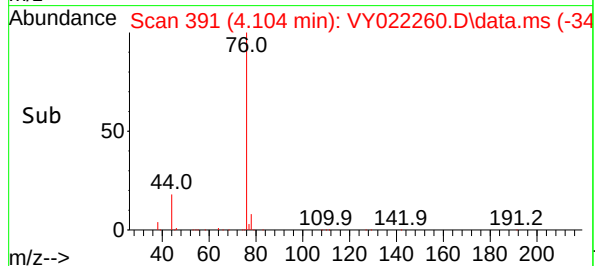
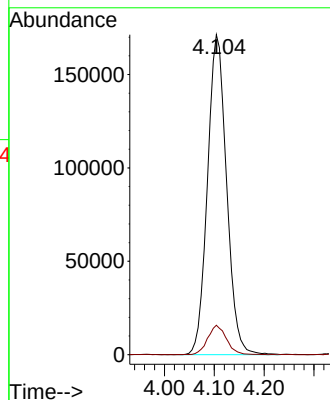
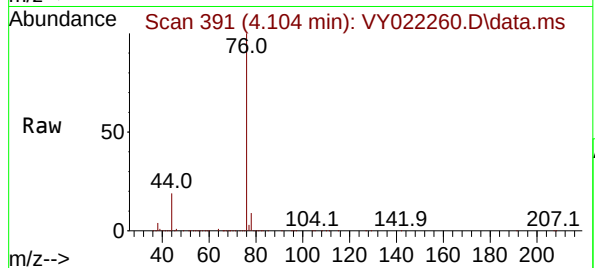
Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#18

Methyl Acetate

Concen: 59.461 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY022260.D

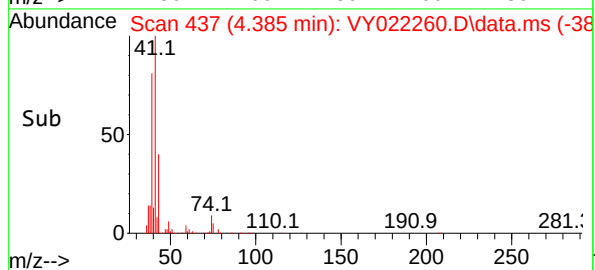
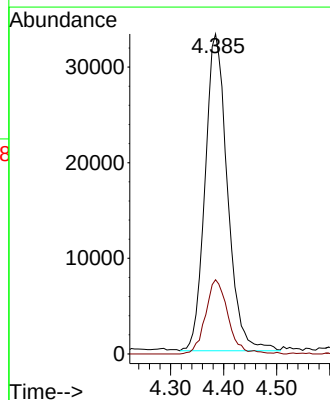
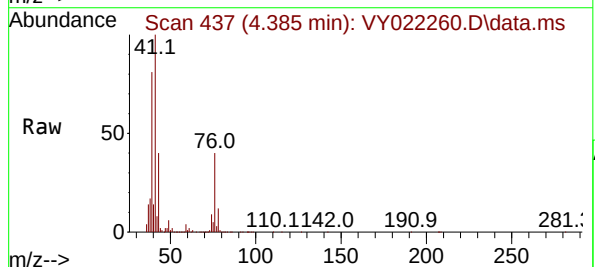
Acq: 15 May 2025 13:20

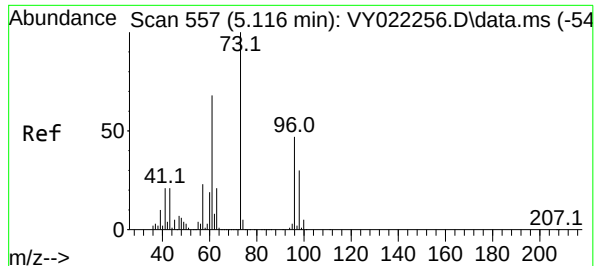
Tgt Ion: 43 Resp: 97091

Ion Ratio Lower Upper

43 100

74 23.6 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 53.096 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 73 Resp: 39575

Ion Ratio Lower Upper

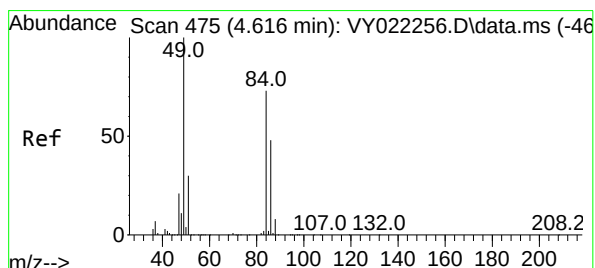
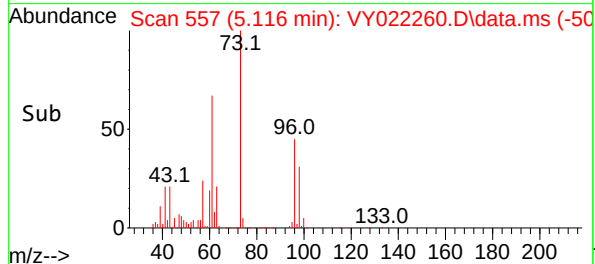
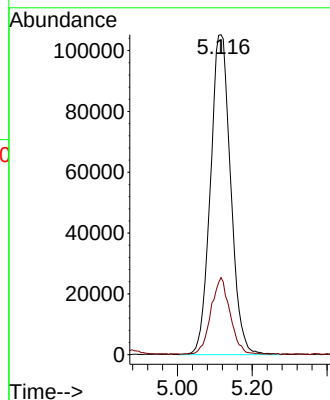
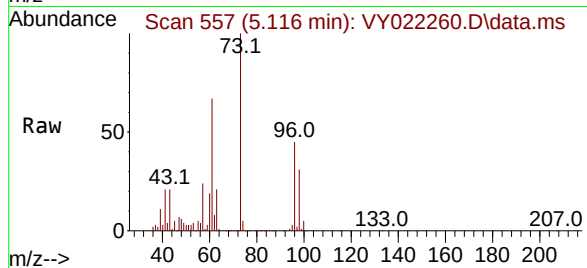
73 100

57 24.0 18.6 28.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#20

Methylene Chloride

Concen: 47.298 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Tgt Ion: 84 Resp: 158275

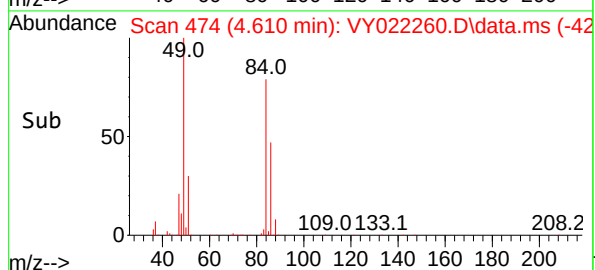
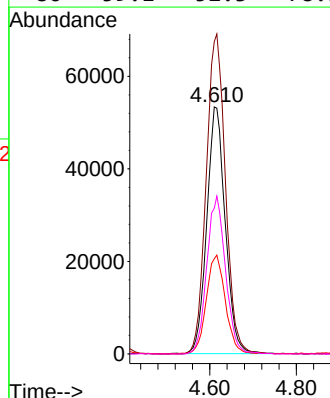
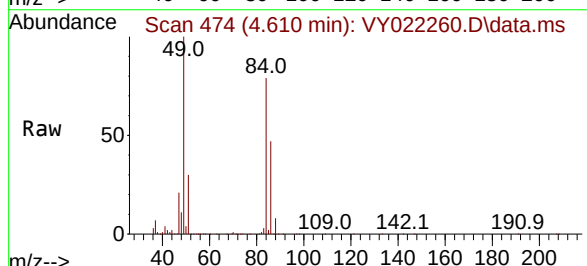
Ion Ratio Lower Upper

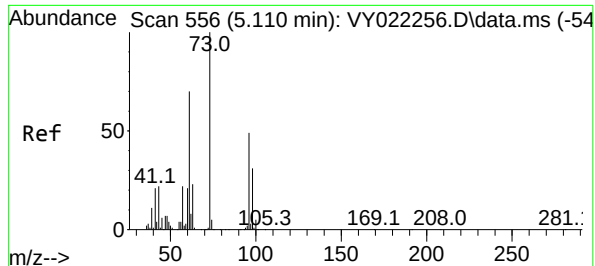
84 100

49 126.6 109.6 164.4

51 38.5 32.4 48.6

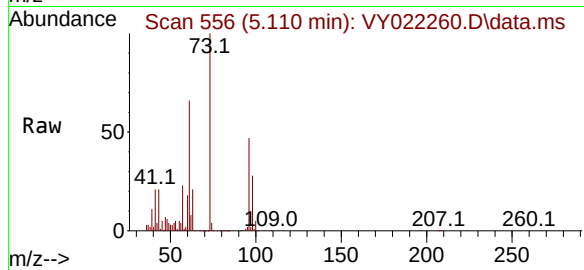
86 59.1 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 51.552 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

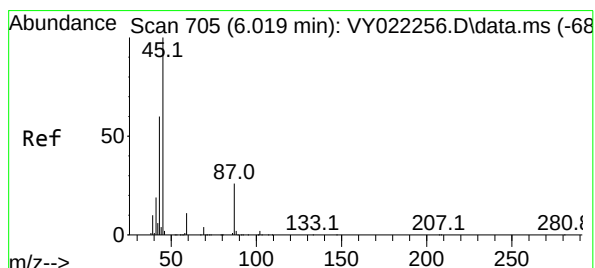
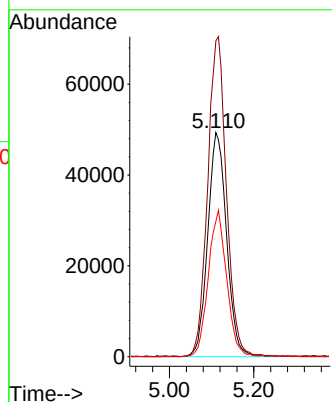
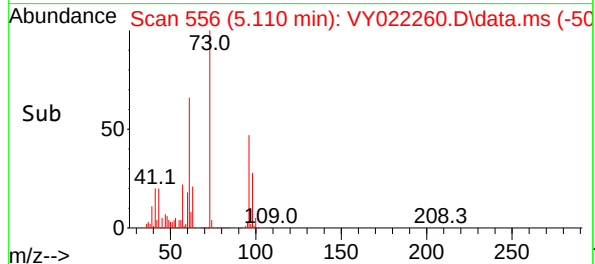
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



Tgt Ion: 96 Resp: 153819
Ion Ratio Lower Upper
96 100
61 140.9 113.4 170.0
98 60.2 50.9 76.3

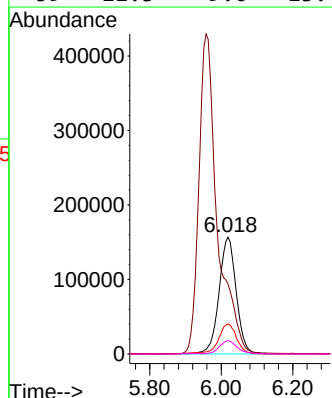
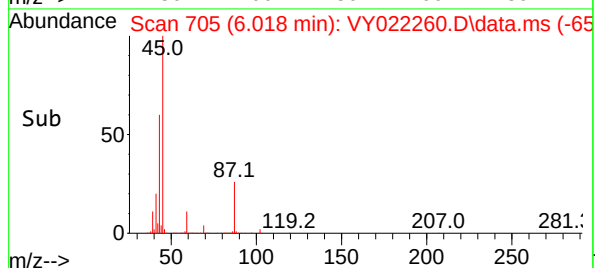
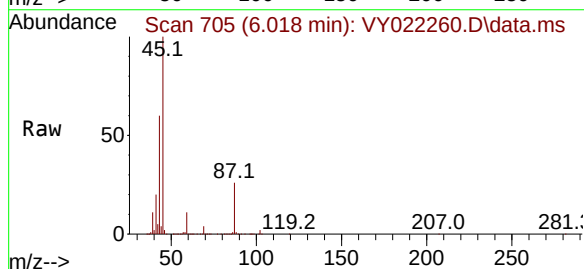
Manual Integrations
APPROVED

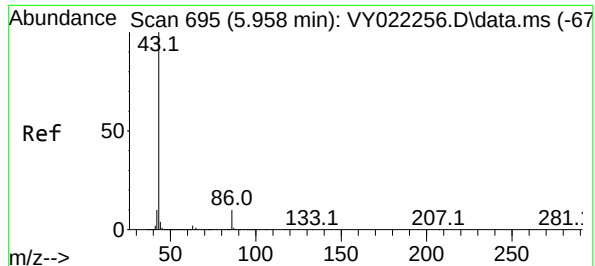
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#22
Diisopropyl ether
Concen: 52.085 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 45 Resp: 521343
Ion Ratio Lower Upper
45 100
43 59.9 48.2 72.2
87 25.6 21.4 32.0
59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 253.098 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 43 Resp: 153050

Ion Ratio Lower Upper

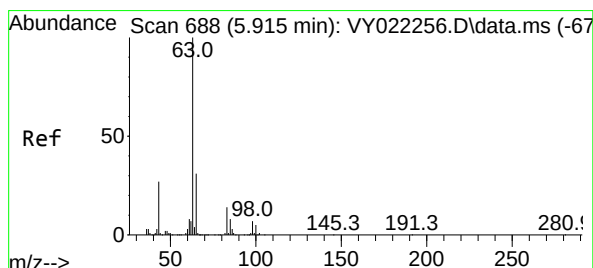
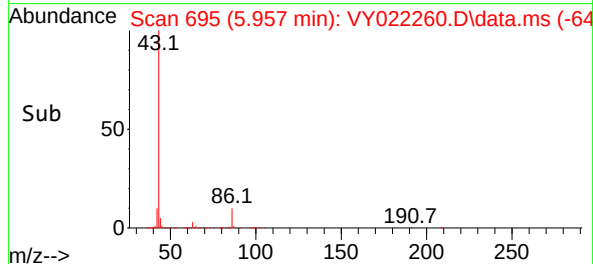
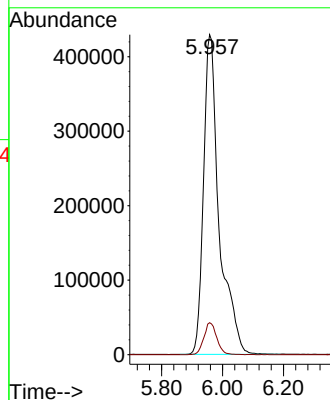
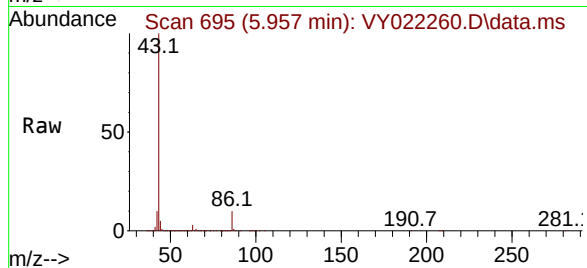
43 100

86 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 51.668 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

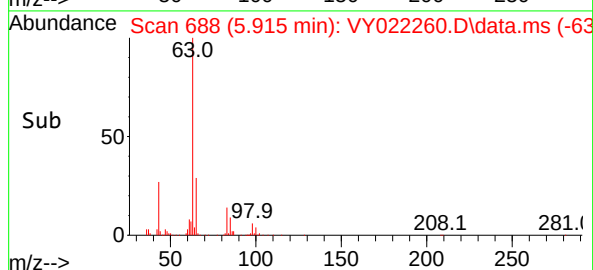
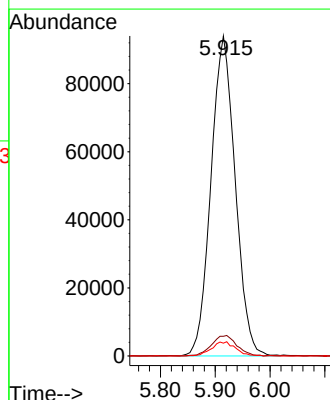
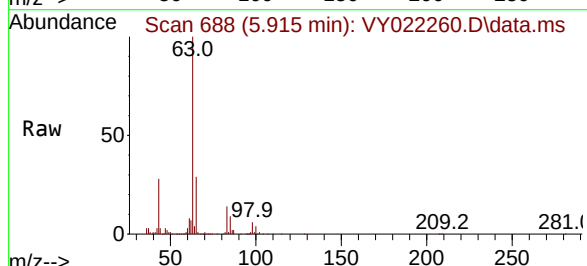
Tgt Ion: 63 Resp: 288933

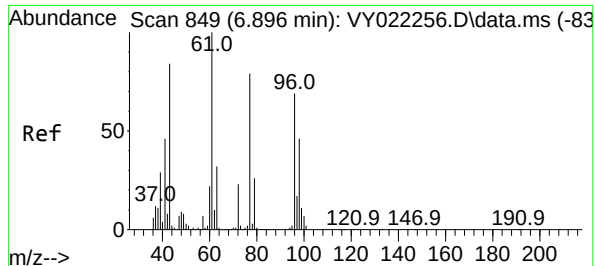
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 4.0 2.4 7.2





#25

2-Butanone

Concen: 255.929 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 43 Resp: 221702

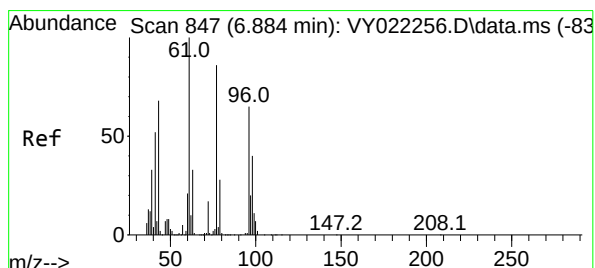
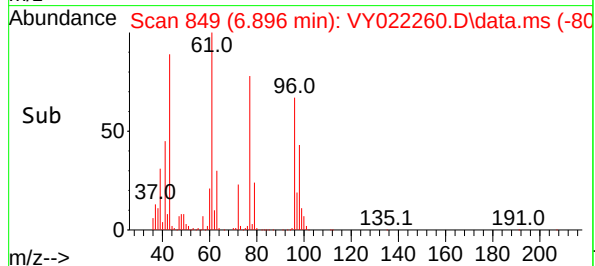
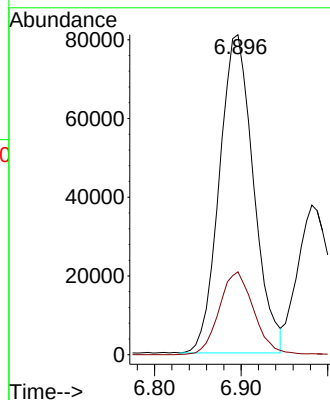
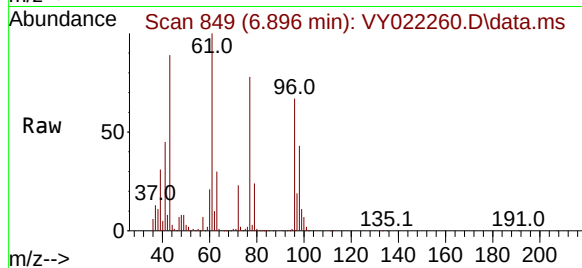
Ion Ratio Lower Upper

43 100

72 25.9 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#26

2,2-Dichloropropane

Concen: 52.191 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022260.D

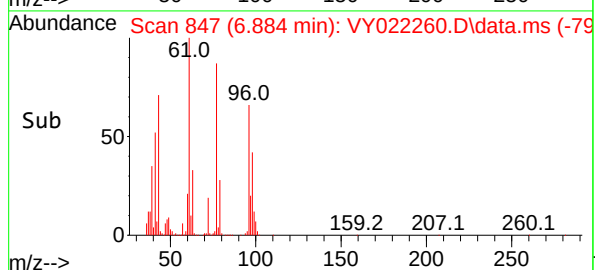
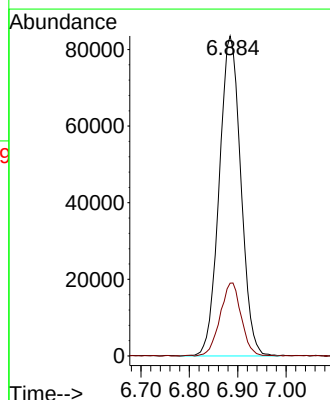
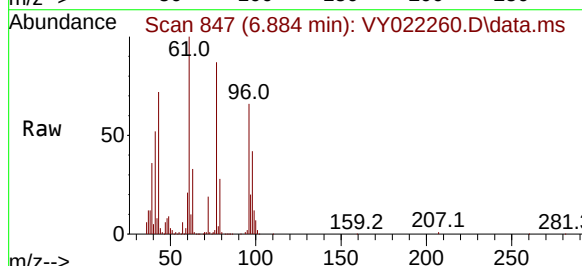
Acq: 15 May 2025 13:20

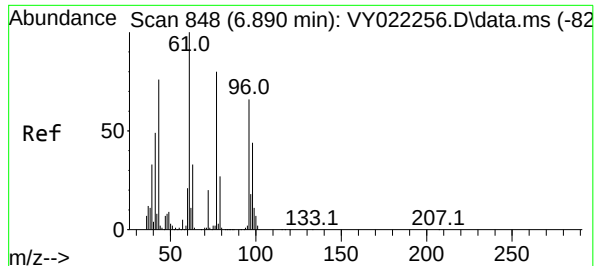
Tgt Ion: 77 Resp: 259587

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 52.479 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 96 Resp: 18069

Ion Ratio Lower Upper

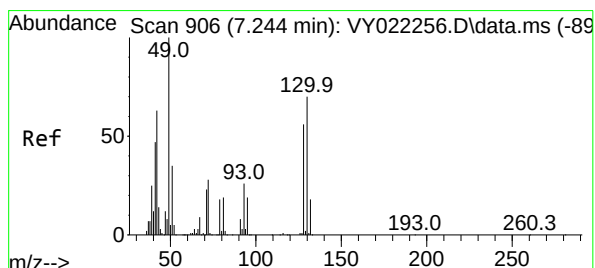
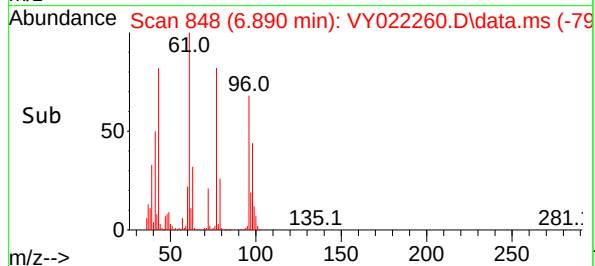
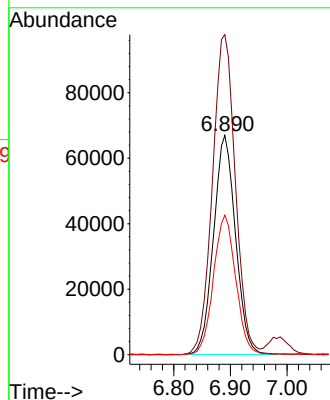
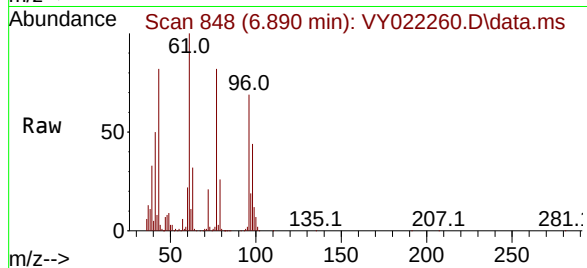
96 100

61 151.9 0.0 302.6

98 64.5 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#28

Bromochloromethane

Concen: 52.305 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

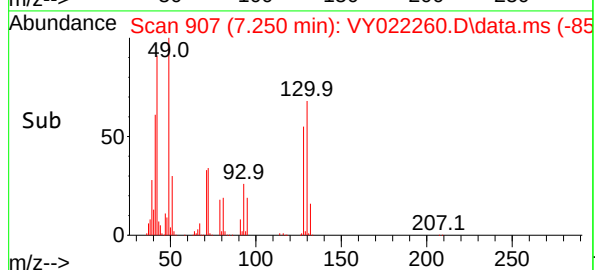
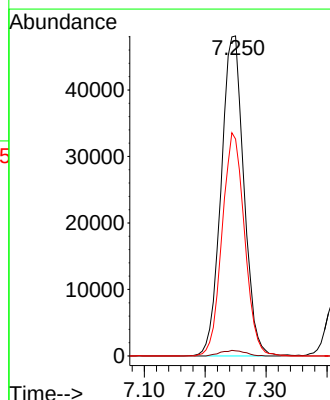
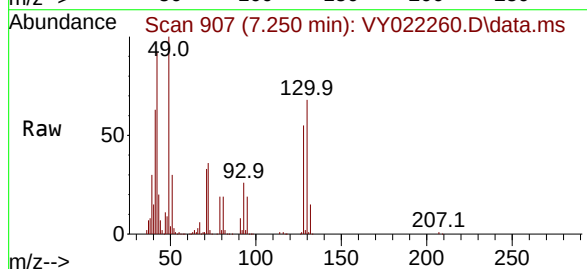
Tgt Ion: 49 Resp: 124761

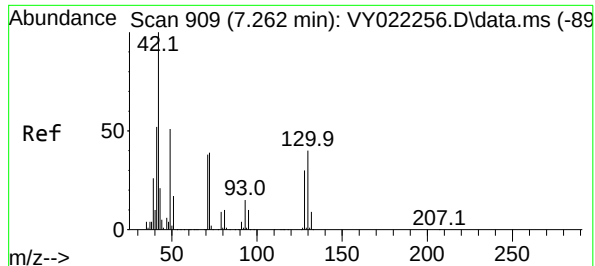
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 68.8 54.7 82.1





#29

Tetrahydrofuran

Concen: 264.847 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 42 Resp: 14760

Ion Ratio Lower Upper

42 100

72 42.1 33.8 50.6

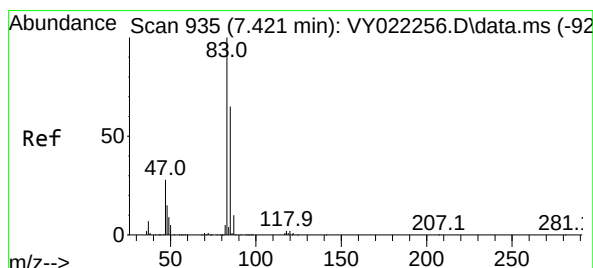
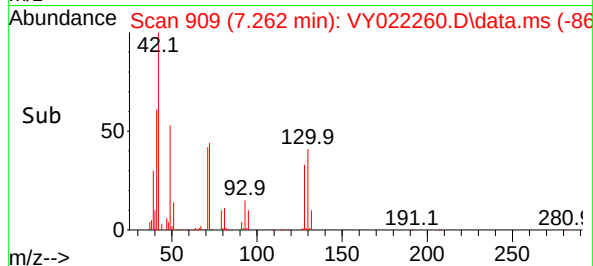
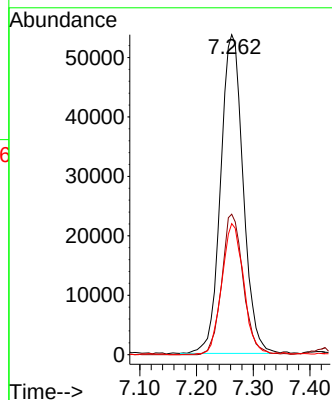
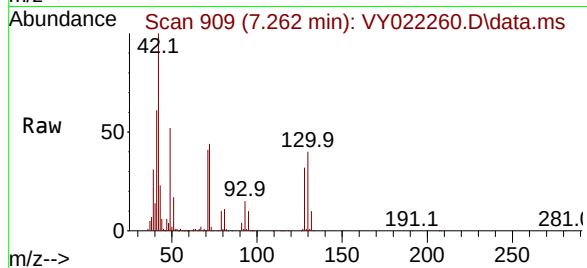
71 40.1 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#30

Chloroform

Concen: 52.810 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022260.D

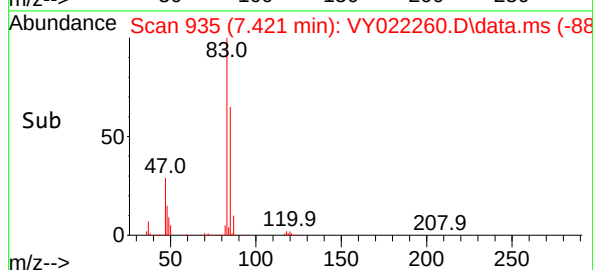
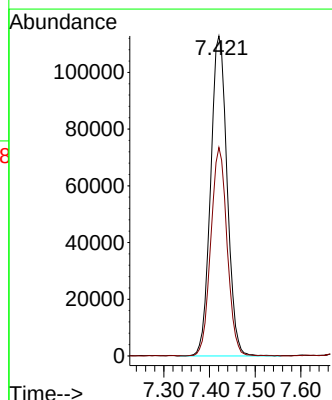
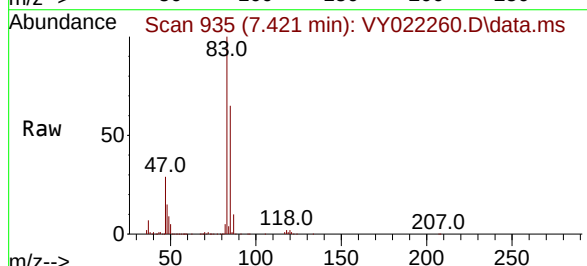
Acq: 15 May 2025 13:20

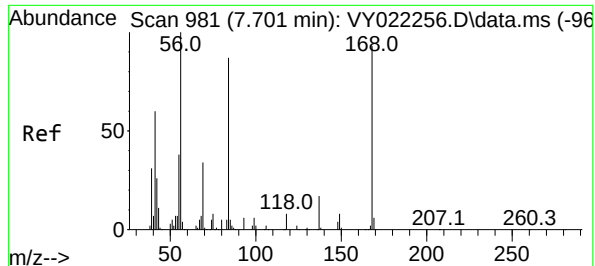
Tgt Ion: 83 Resp: 283264

Ion Ratio Lower Upper

83 100

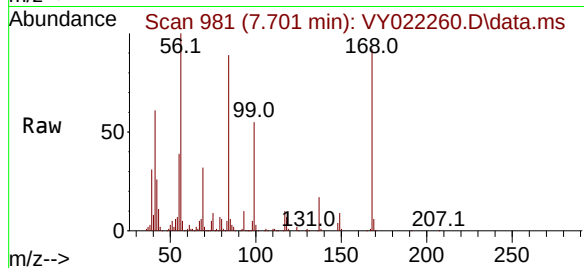
85 65.1 51.8 77.8





#31
Cyclohexane
Concen: 48.673 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

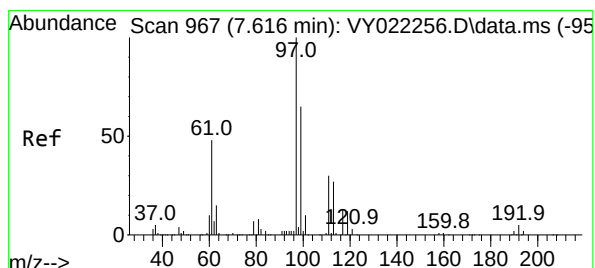
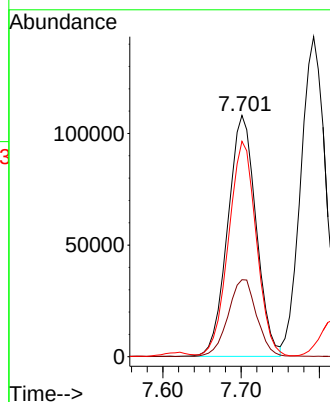
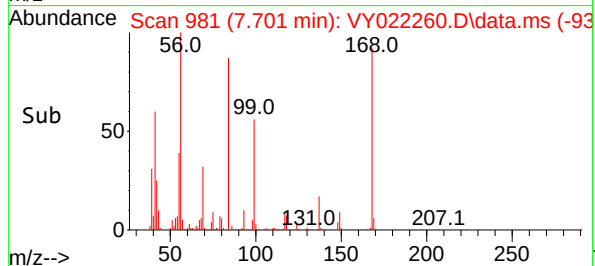
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



Tgt Ion: 56 Resp: 271949
Ion Ratio Lower Upper
56 100
69 31.8 27.4 41.2
84 87.5 70.0 105.0

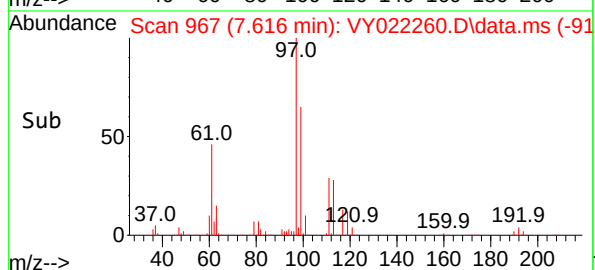
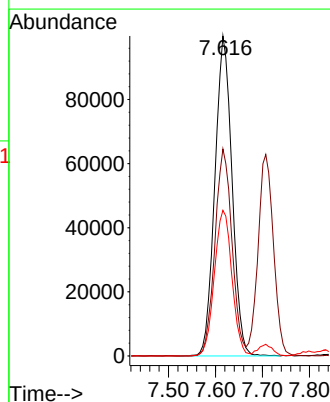
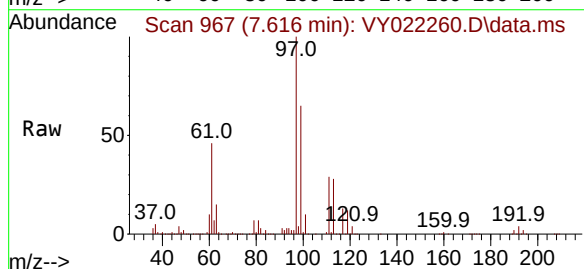
Manual Integrations
APPROVED

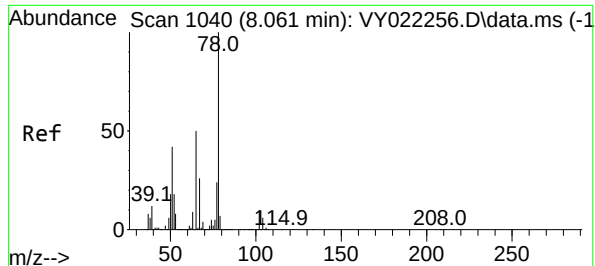
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#32
1,1,1-Trichloroethane
Concen: 51.523 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 253549
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 46.6 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 52.104 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 65 Resp: 143909

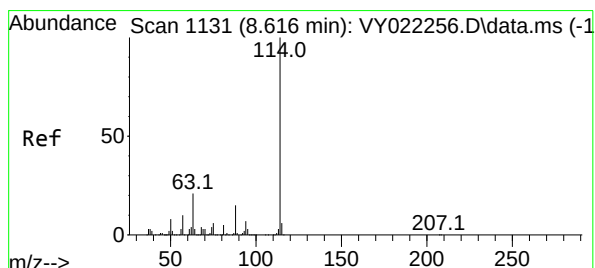
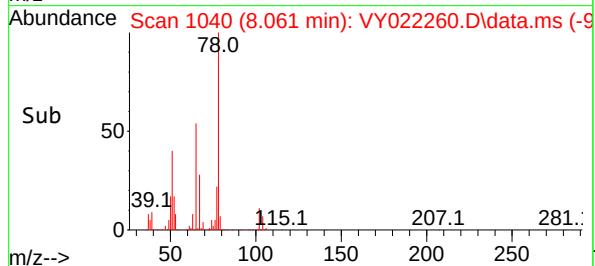
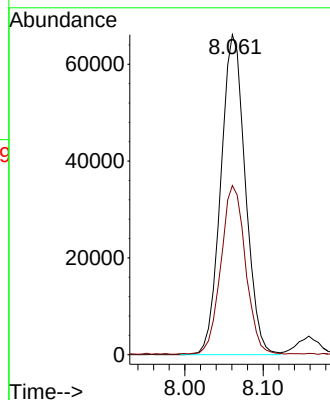
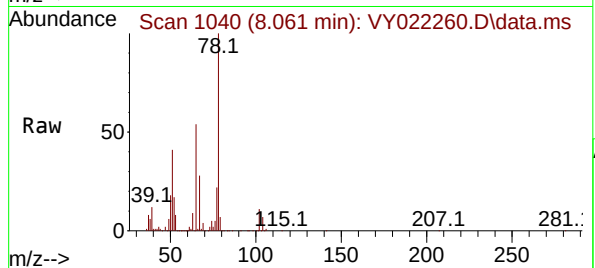
Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

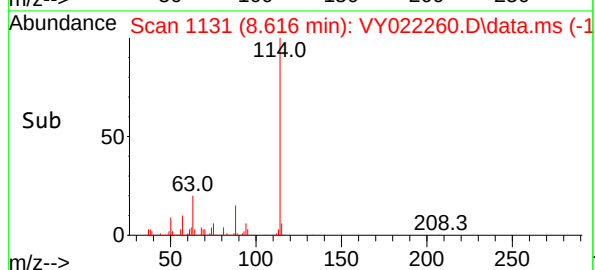
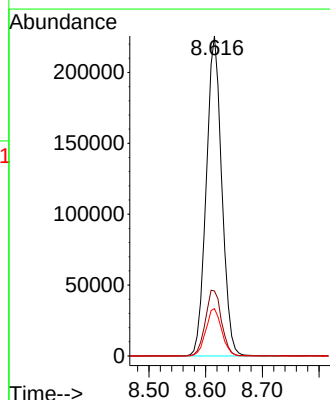
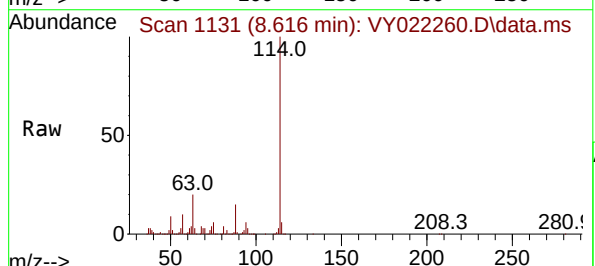
Tgt Ion:114 Resp: 428969

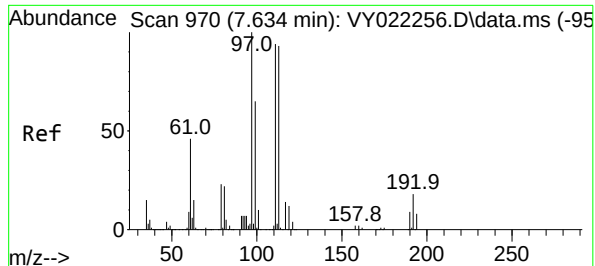
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.658 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion:113 Resp: 13226

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

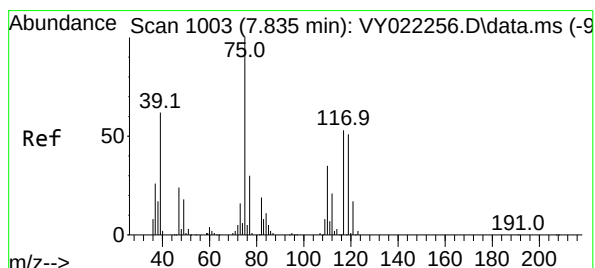
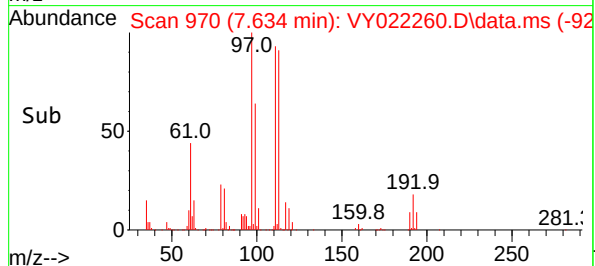
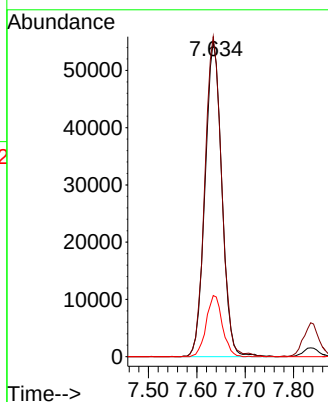
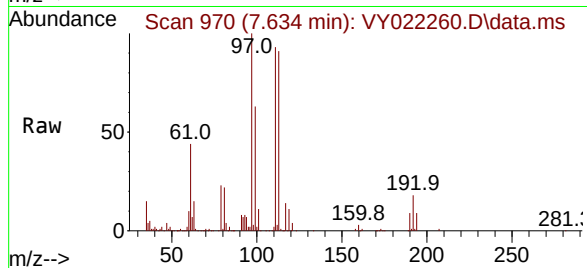
192 18.7 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 50.457 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

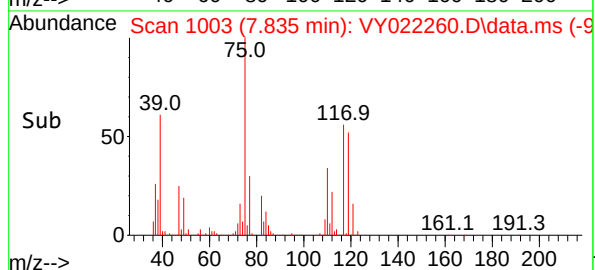
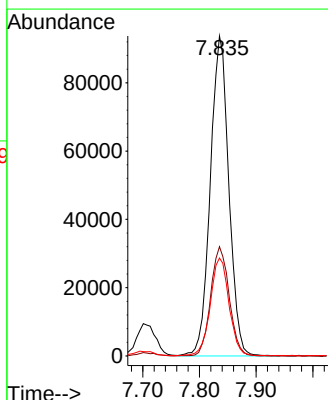
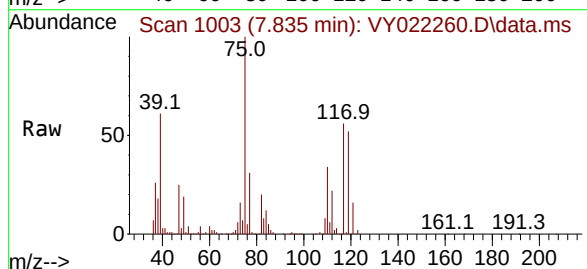
Tgt Ion: 75 Resp: 212786

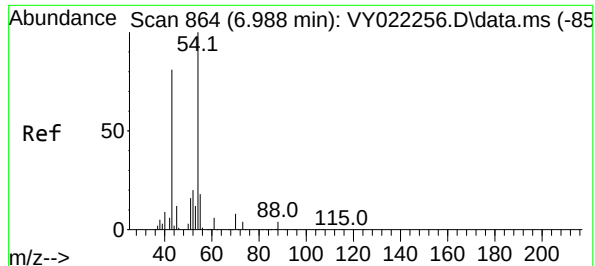
Ion Ratio Lower Upper

75 100

110 34.0 16.6 49.8

77 30.7 24.6 37.0





#37

Ethyl Acetate

Concen: 50.633 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 43 Resp: 102740

Ion Ratio Lower Upper

43 100

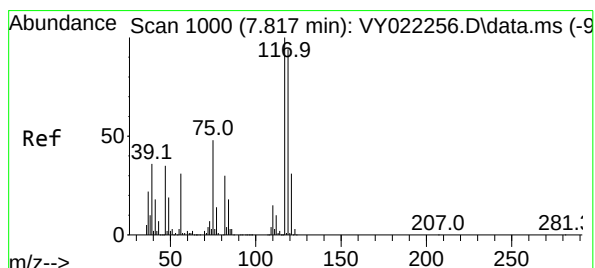
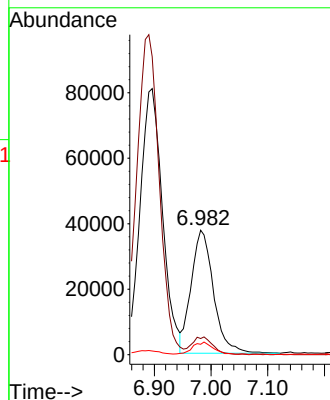
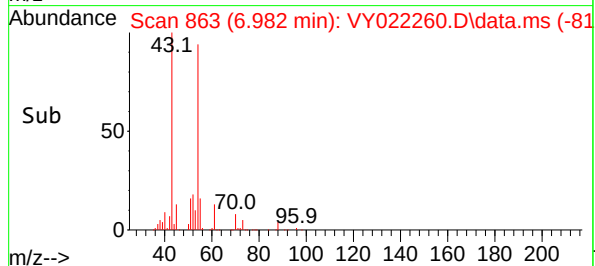
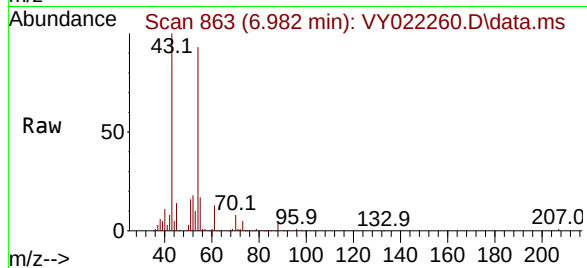
61 13.9 10.2 15.2

70 8.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#38

Carbon Tetrachloride

Concen: 50.543 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

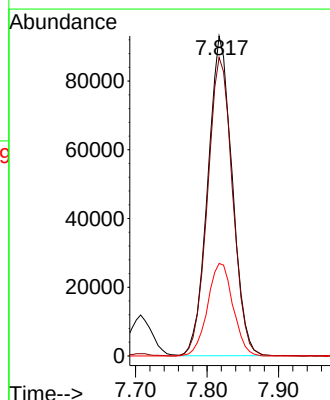
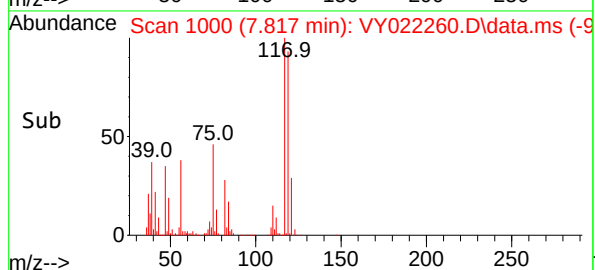
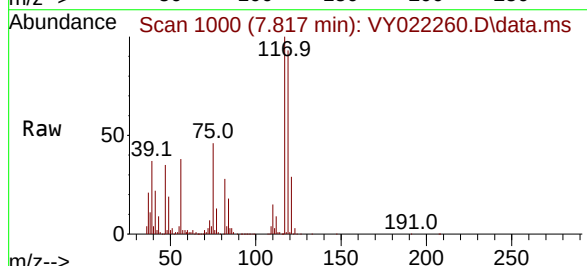
Tgt Ion:117 Resp: 220636

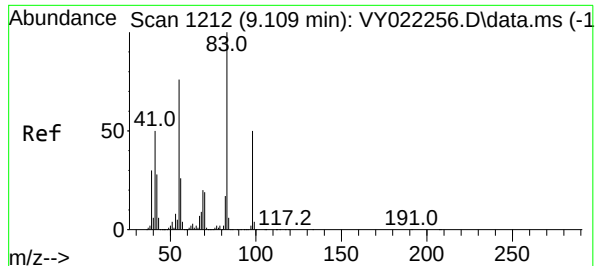
Ion Ratio Lower Upper

117 100

119 93.3 75.3 112.9

121 28.9 24.7 37.1





#39

Methylcyclohexane

Concen: 50.015 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 83 Resp: 28337

Ion Ratio Lower Upper

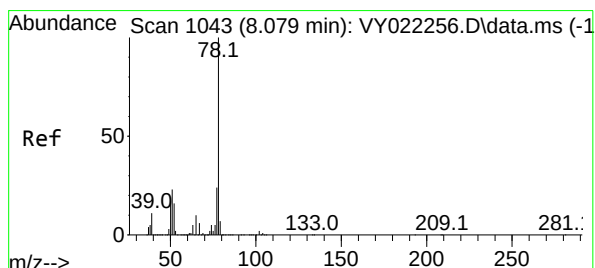
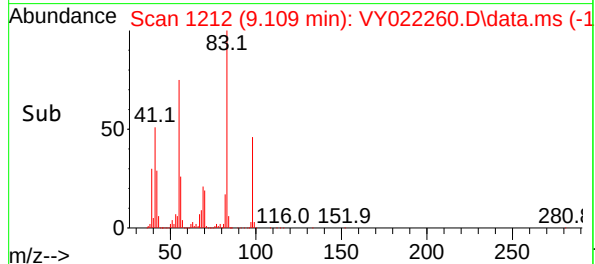
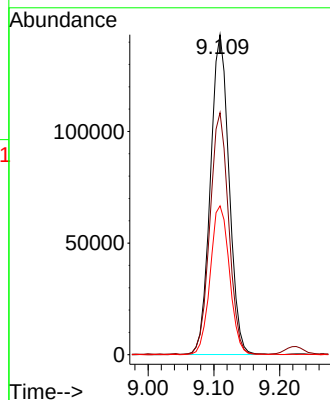
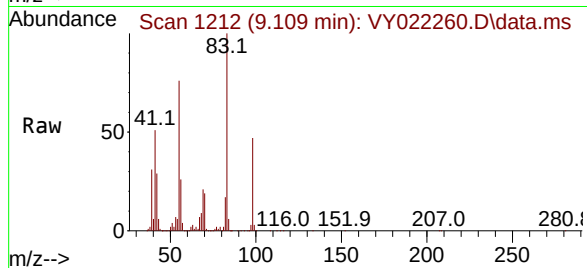
83 100

55 75.5 60.6 90.8

98 46.5 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#40

Benzene

Concen: 51.696 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022260.D

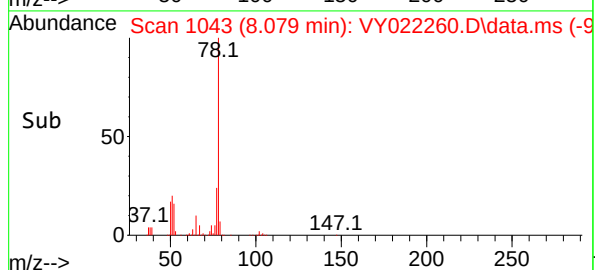
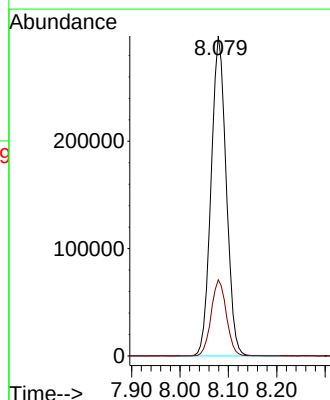
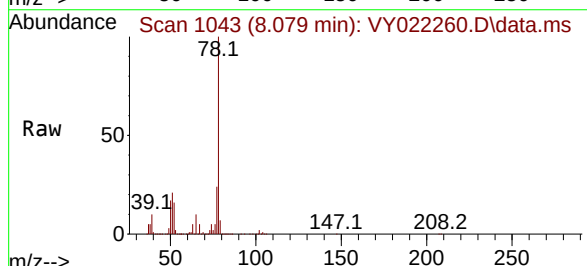
Acq: 15 May 2025 13:20

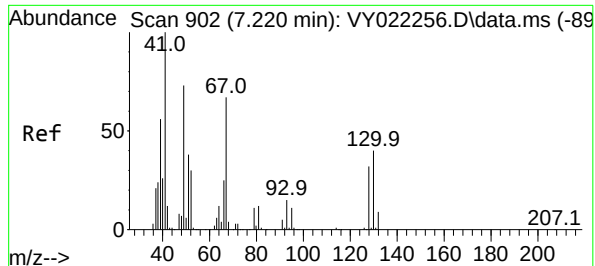
Tgt Ion: 78 Resp: 646289

Ion Ratio Lower Upper

78 100

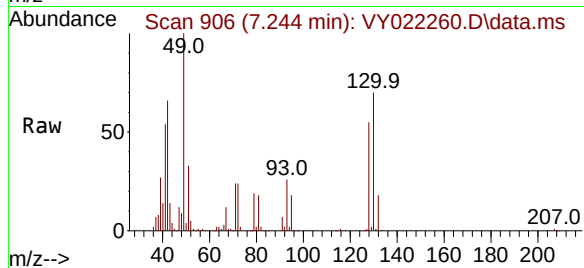
77 23.8 18.9 28.3





#41
Methacrylonitrile
Concen: 53.599 ug/l m
RT: 7.244 min Scan# 906
Delta R.T. 0.024 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

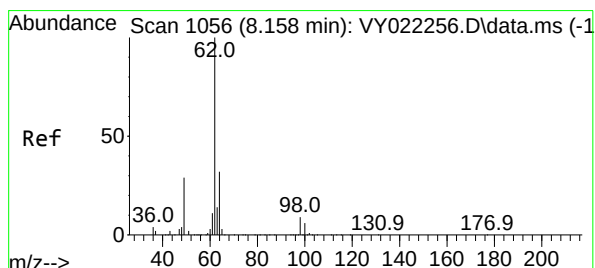
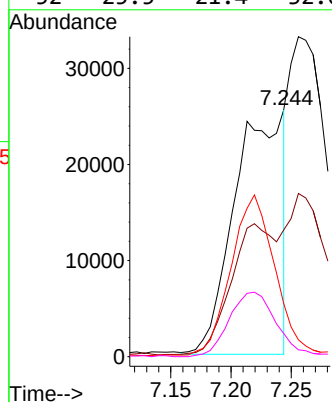
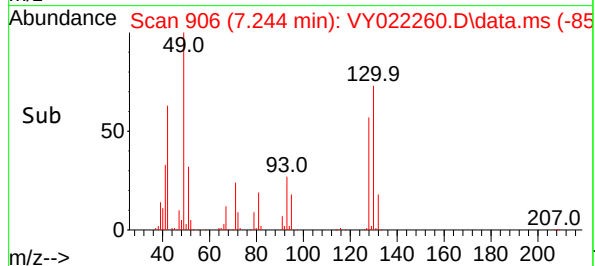
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 41 Resp: 7214
Ion Ratio Lower Upper
41 100
39 48.1 39.1 58.7
67 58.4 47.1 70.7
52 25.5 21.4 32.0

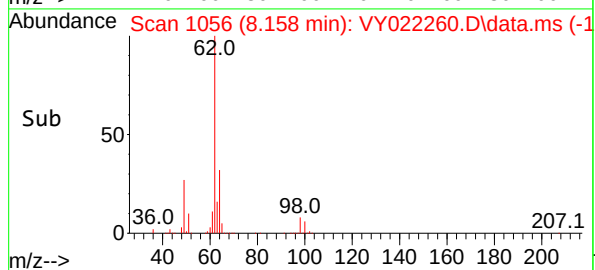
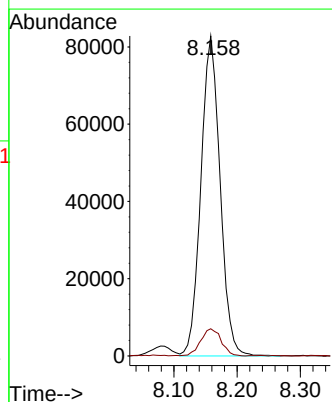
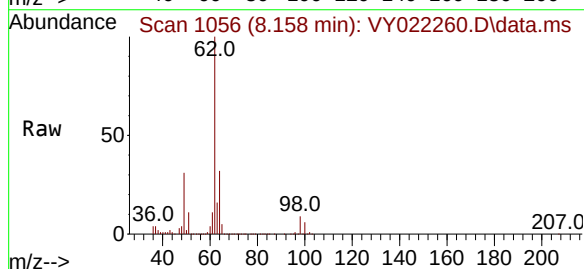
Manual Integrations
APPROVED

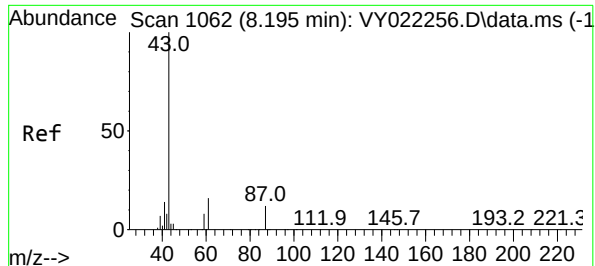
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 175241
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.415 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 43 Resp: 22752

Ion Ratio Lower Upper

43 100

61 26.5 15.1 22.7

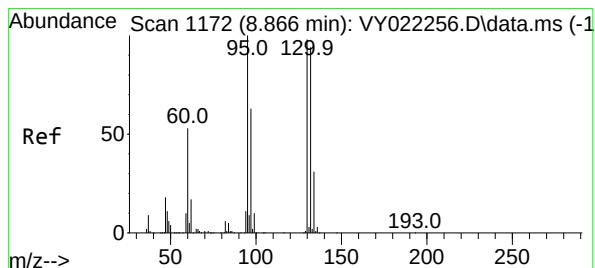
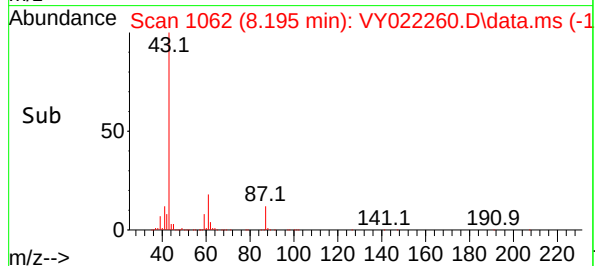
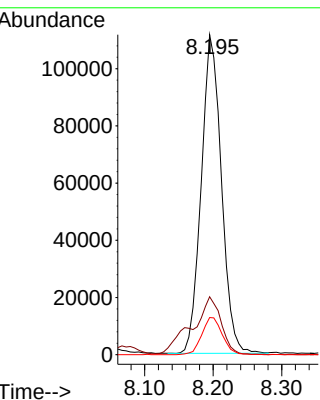
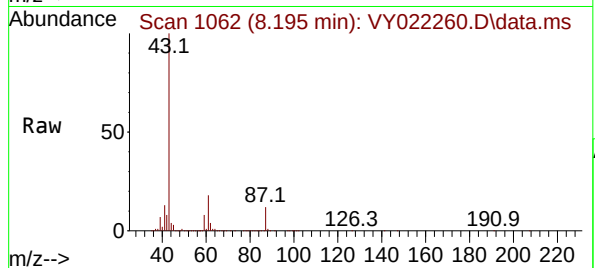
87 11.9 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#44

Trichloroethene

Concen: 50.335 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022260.D

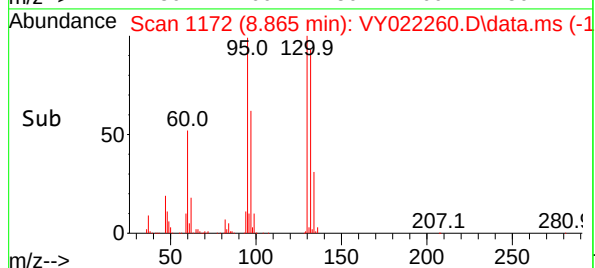
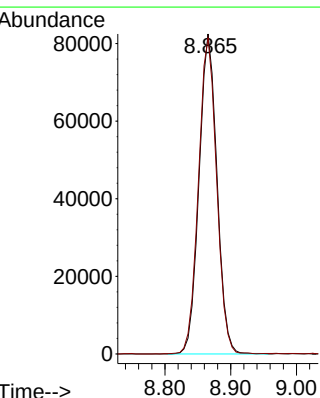
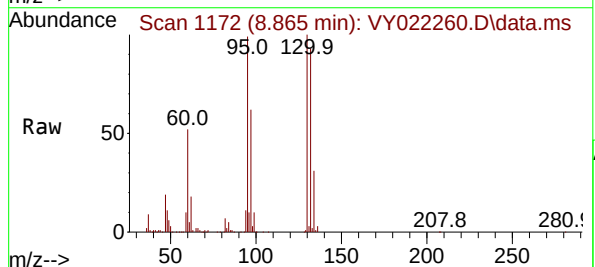
Acq: 15 May 2025 13:20

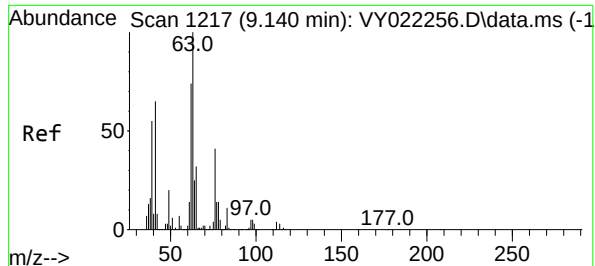
Tgt Ion:130 Resp: 156468

Ion Ratio Lower Upper

130 100

95 98.6 0.0 204.8





#45

1,2-Dichloropropane

Concen: 51.417 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion: 63 Resp: 15497

Ion Ratio Lower Upper

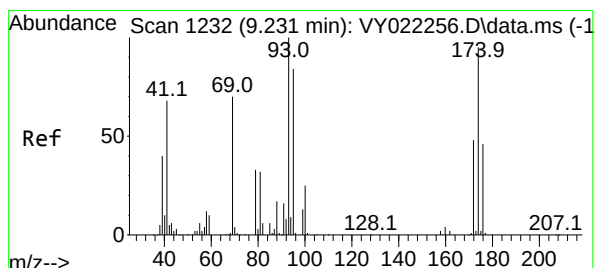
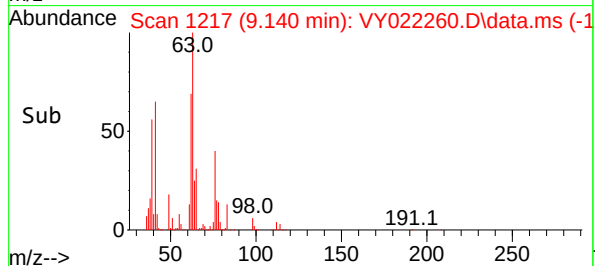
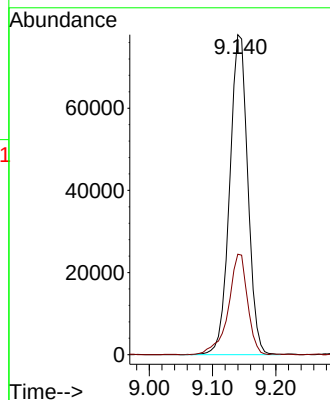
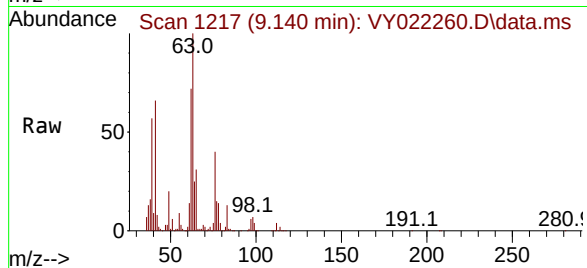
63 100

65 31.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#46

Dibromomethane

Concen: 51.423 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

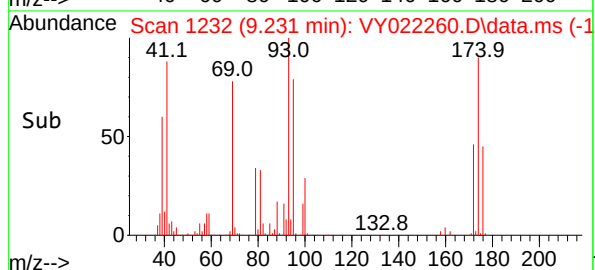
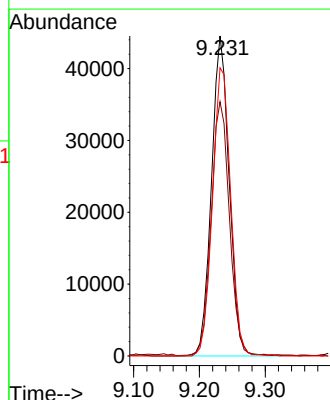
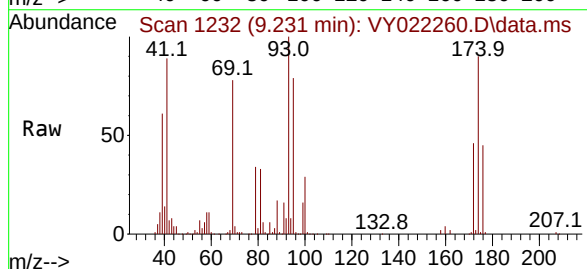
Tgt Ion: 93 Resp: 83597

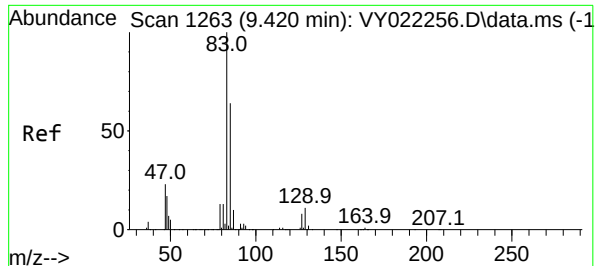
Ion Ratio Lower Upper

93 100

95 81.4 65.2 97.8

174 92.4 74.3 111.5





#47

Bromodichloromethane

Concen: 52.508 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 83 Resp: 22144

Ion Ratio Lower Upper

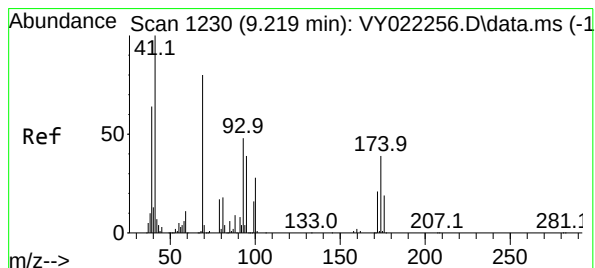
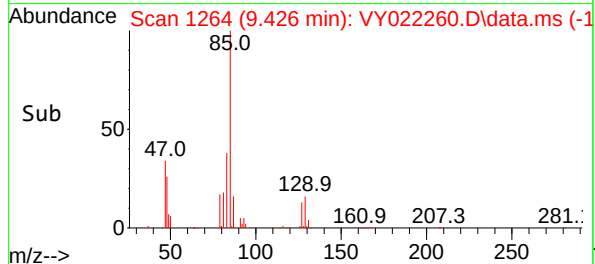
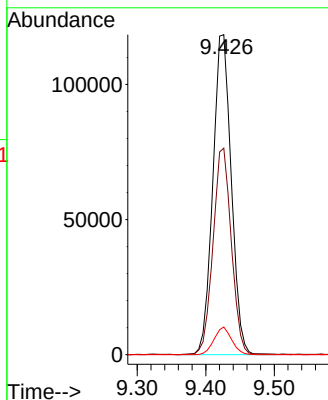
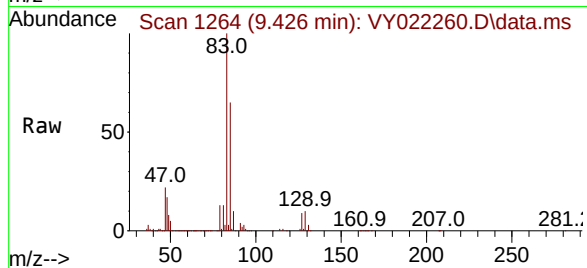
83 100

85 64.5 51.1 76.7

127 8.6 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

#48

Methyl methacrylate

Concen: 51.357 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

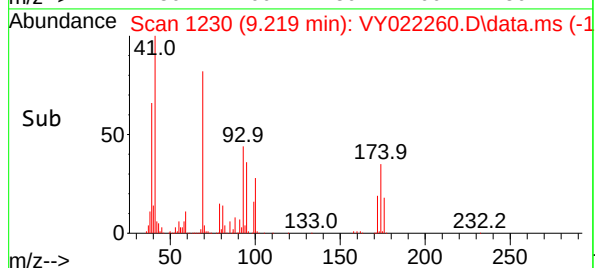
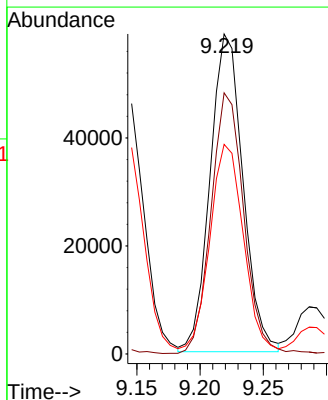
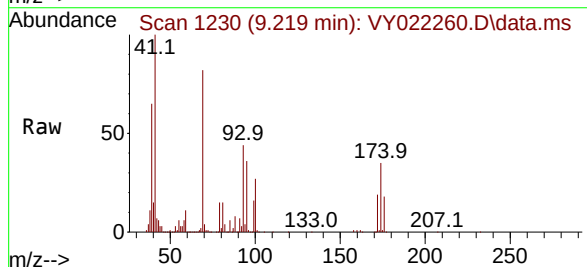
Tgt Ion: 41 Resp: 106283

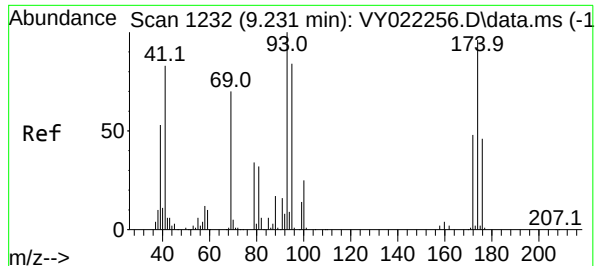
Ion Ratio Lower Upper

41 100

69 81.5 63.5 95.3

39 64.6 50.8 76.2





#49

1,4-Dioxane

Concen: 1008.479 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 88 Resp: 1852

Ion Ratio Lower Upper

88 100

43 40.7 28.5 42.7

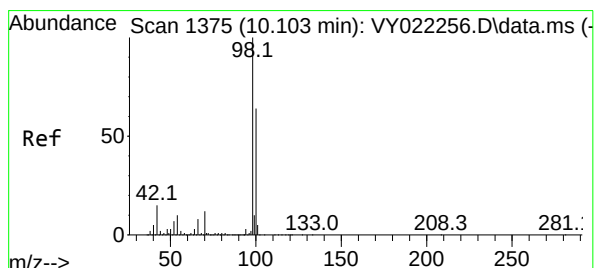
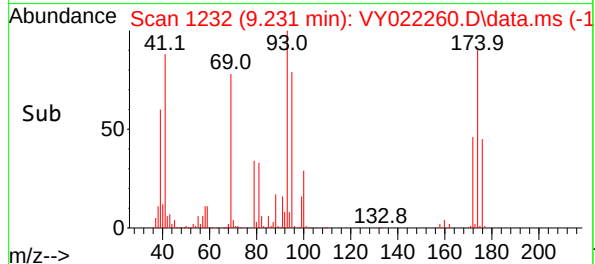
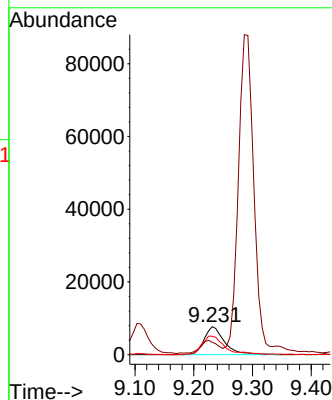
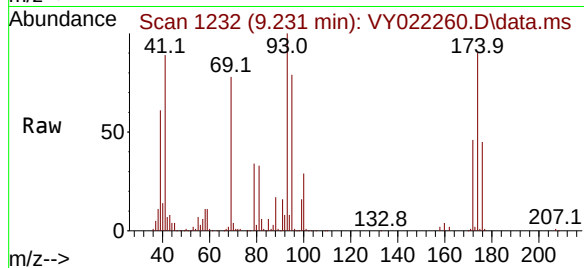
58 74.5 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#50

Toluene-d8

Concen: 51.229 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022260.D

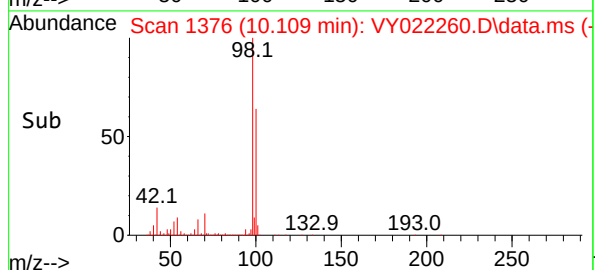
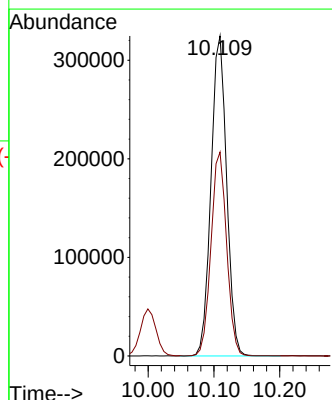
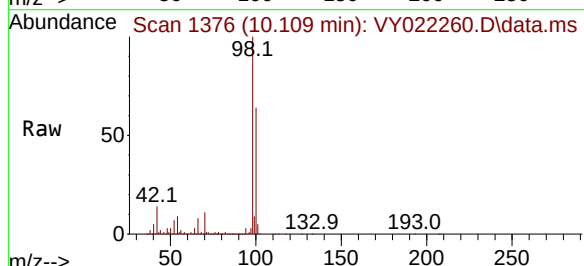
Acq: 15 May 2025 13:20

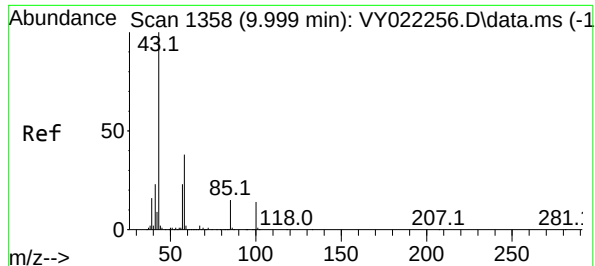
Tgt Ion: 98 Resp: 537188

Ion Ratio Lower Upper

98 100

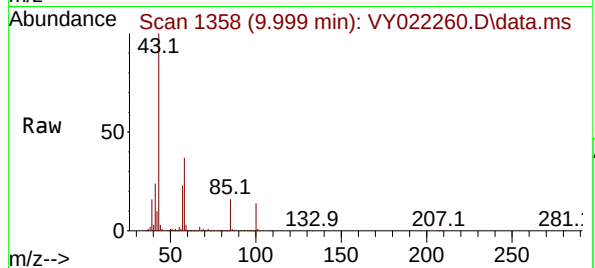
100 63.6 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 261.463 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

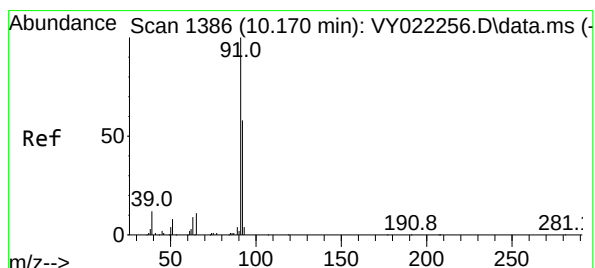
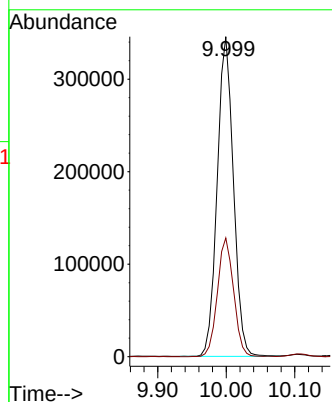
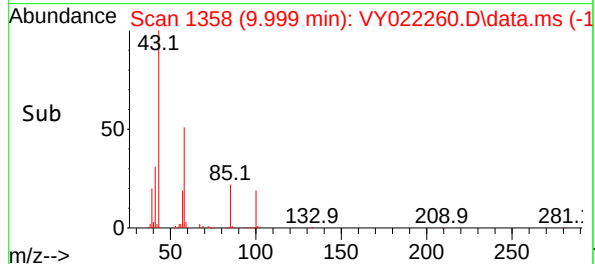
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 43 Resp: 56772
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.2

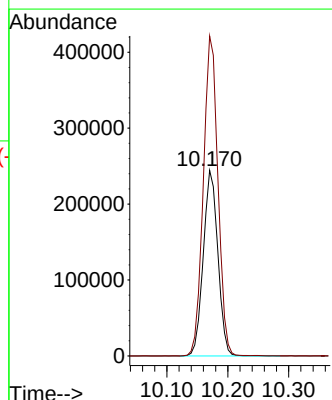
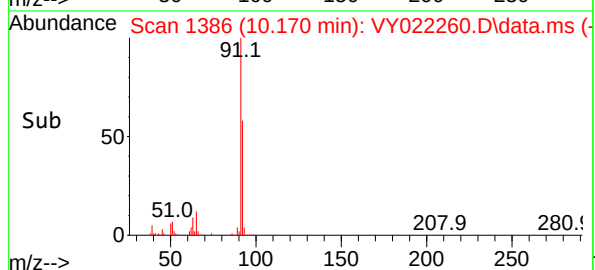
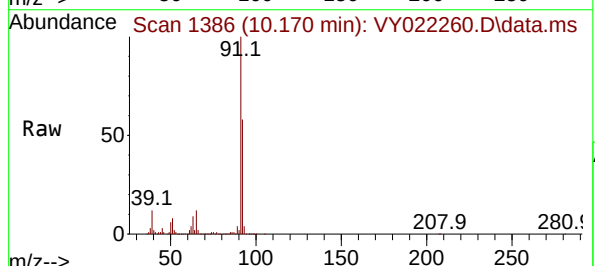
Manual Integrations
APPROVED

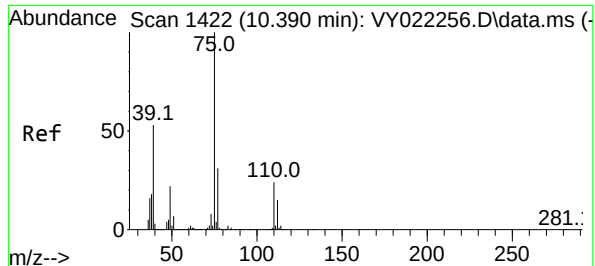
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 51.337 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

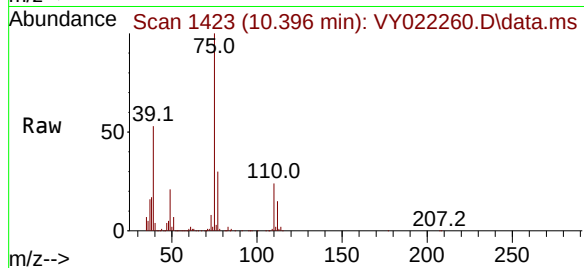
Tgt Ion: 92 Resp: 406420
Ion Ratio Lower Upper
92 100
91 173.0 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 51.458 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

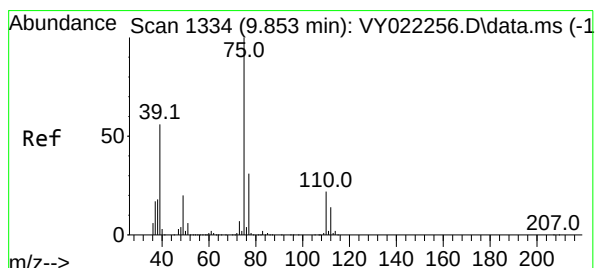
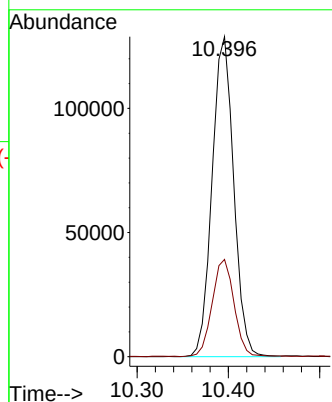
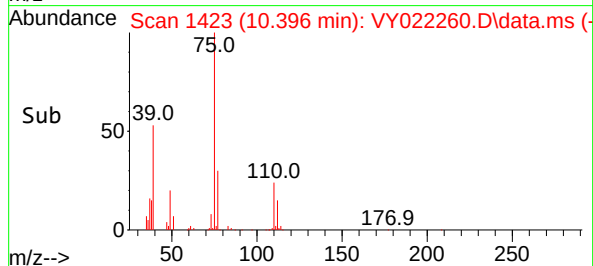
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 75 Resp: 211790
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.6

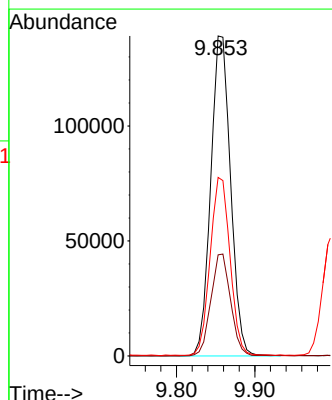
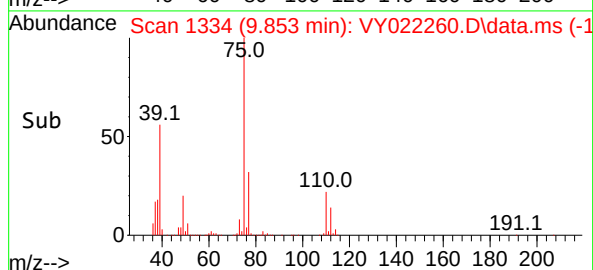
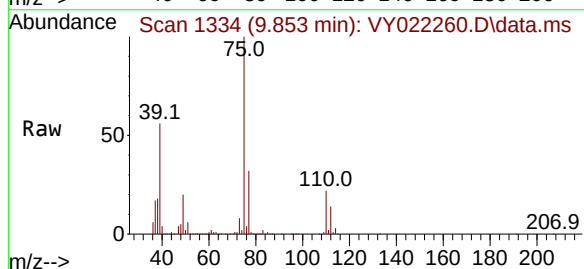
Manual Integrations
APPROVED

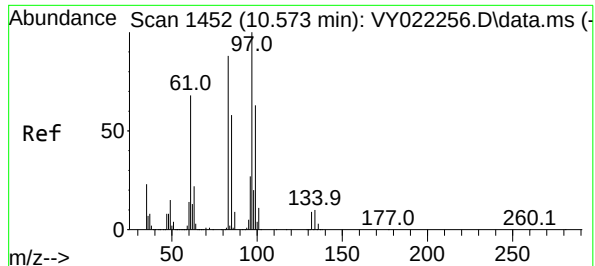
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 244811
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 55.6 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 51.142 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion: 97 Resp: 106464

Ion Ratio Lower Upper

97 100

83 87.0 70.3 105.5

85 56.6 46.2 69.4

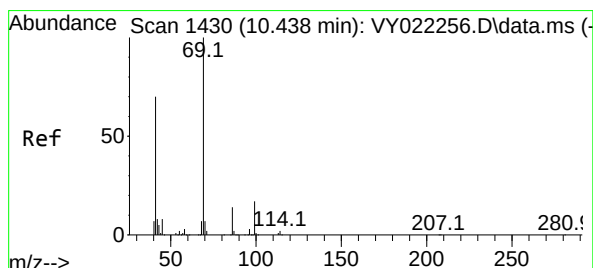
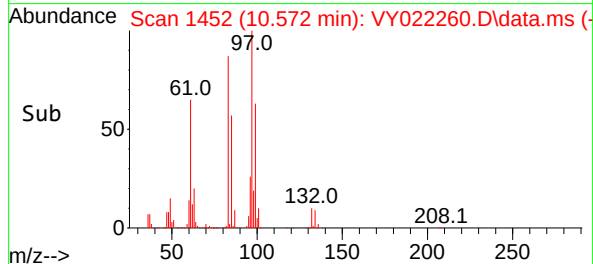
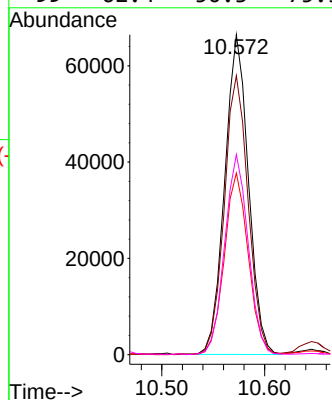
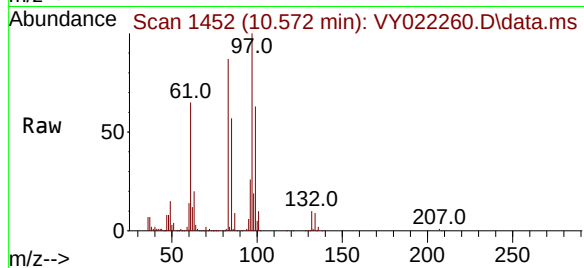
99 62.4 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#56

Ethyl methacrylate

Concen: 50.639 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

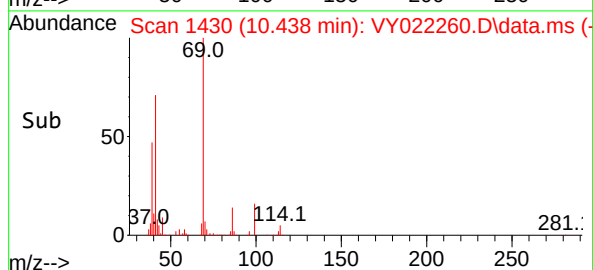
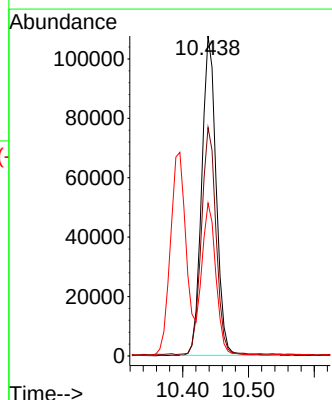
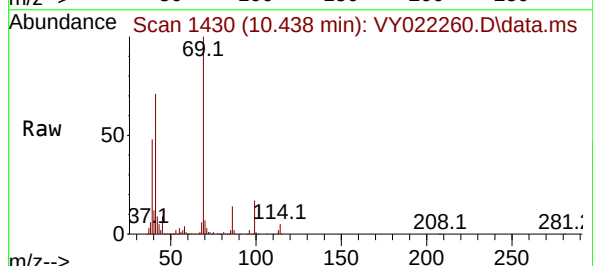
Tgt Ion: 69 Resp: 164207

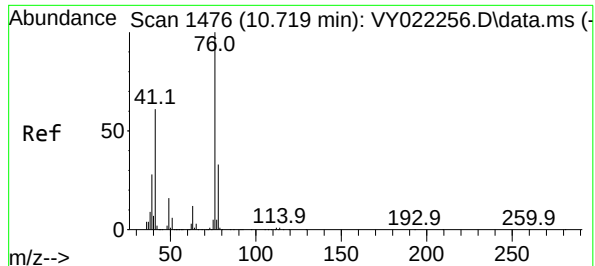
Ion Ratio Lower Upper

69 100

41 71.9 56.5 84.7

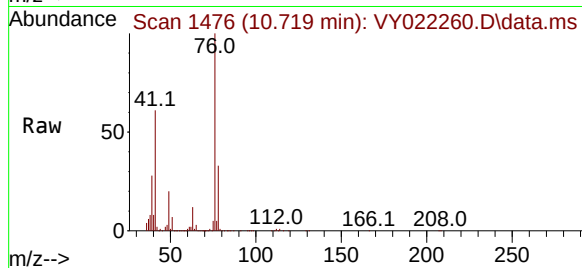
39 45.6 37.1 55.7





#57
1,3-Dichloropropane
Concen: 51.880 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

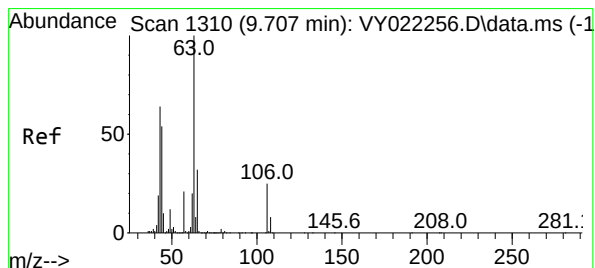
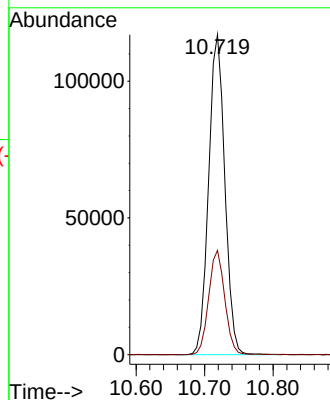
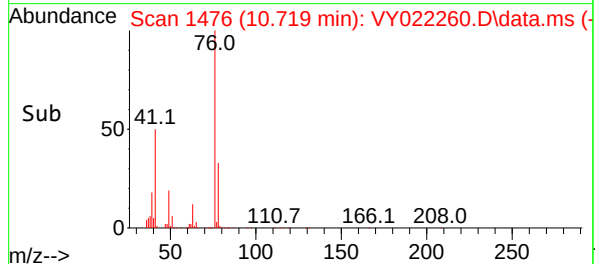
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



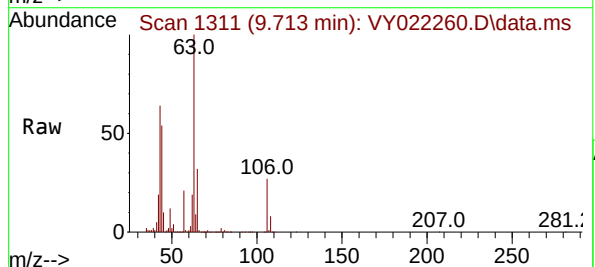
Tgt Ion: 76 Resp: 191889
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

Manual Integrations
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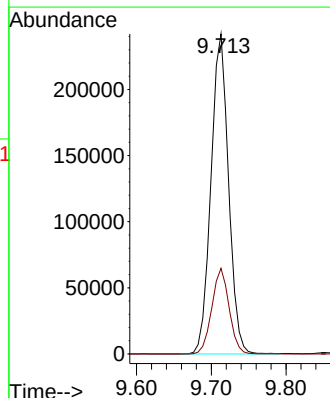
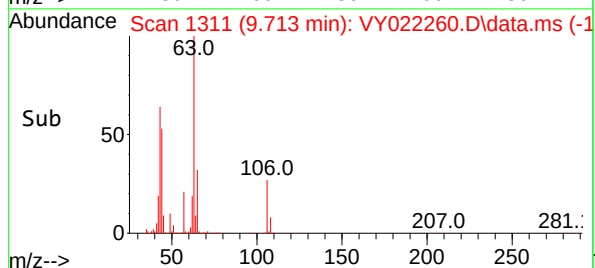
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

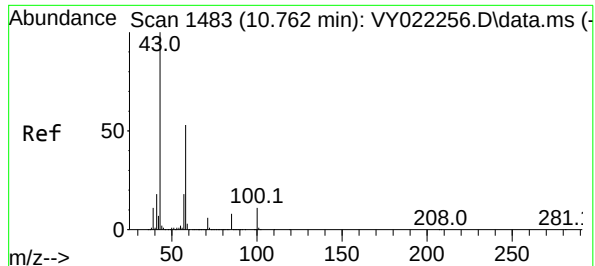


#58
2-Chloroethyl Vinyl ether
Concen: 271.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



Tgt Ion: 63 Resp: 394587
Ion Ratio Lower Upper
63 100
106 26.3 21.0 31.4





#59

2-Hexanone

Concen: 257.738 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022260.D

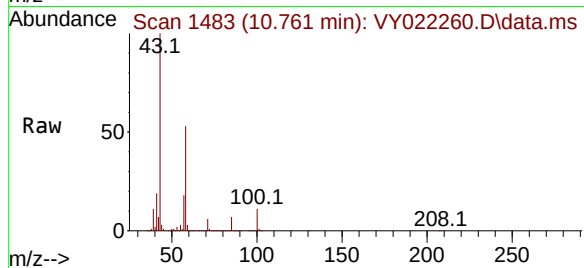
Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525



Tgt Ion: 43 Resp: 375224

Ion Ratio Lower Upper

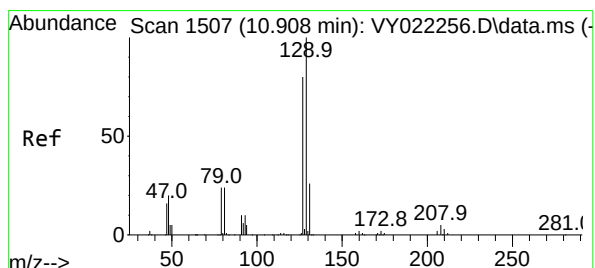
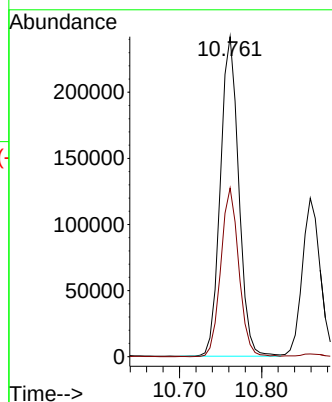
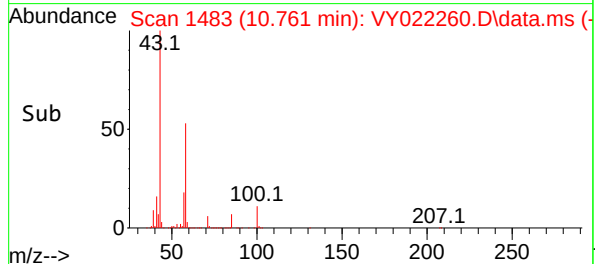
43 100

58 52.0 26.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60

Dibromochloromethane

Concen: 52.425 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY022260.D

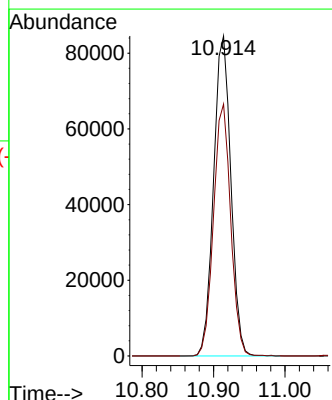
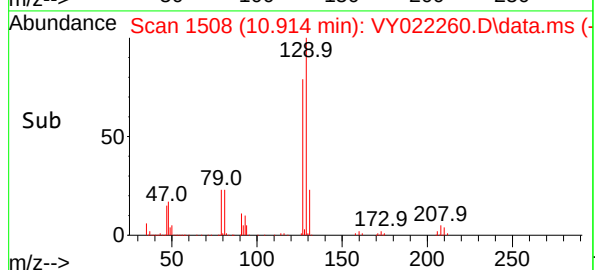
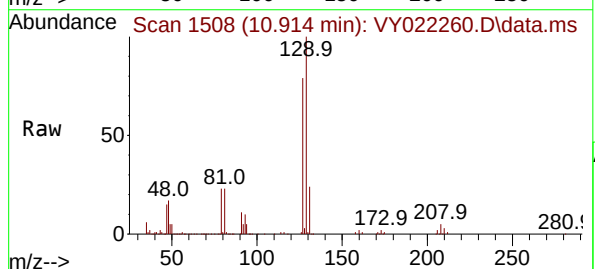
Acq: 15 May 2025 13:20

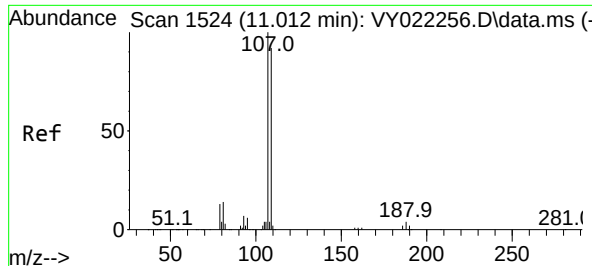
Tgt Ion:129 Resp: 141652

Ion Ratio Lower Upper

129 100

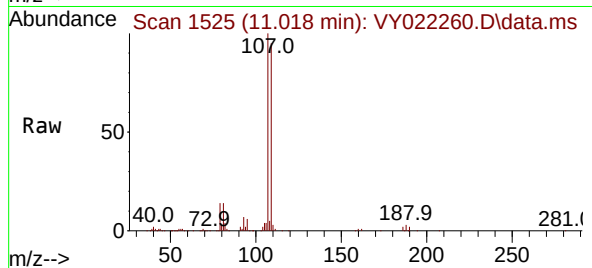
127 78.4 38.6 115.7





#61
1,2-Dibromoethane
Concen: 51.428 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

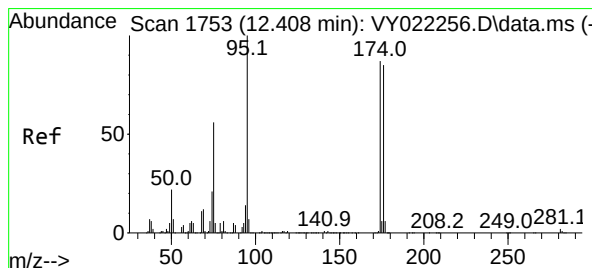
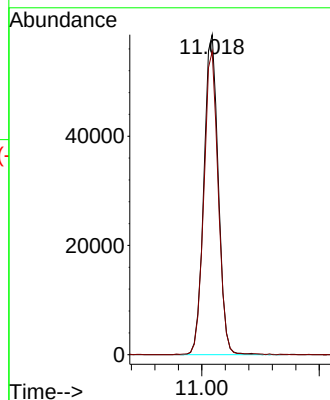
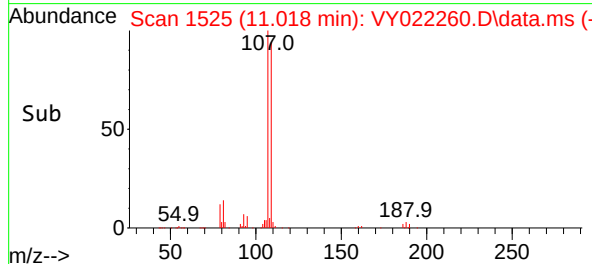
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:107 Resp: 9978
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8

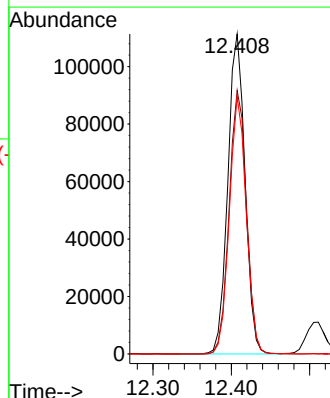
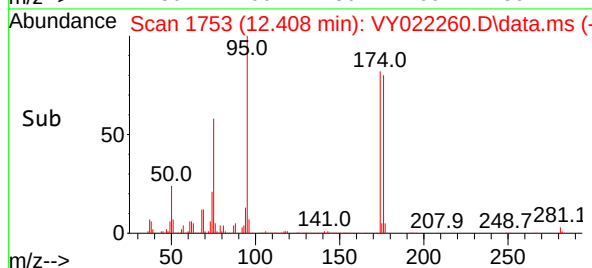
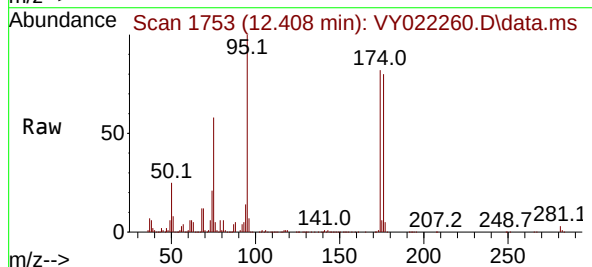
Manual Integrations
APPROVED

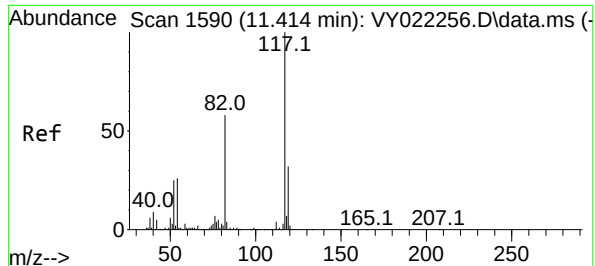
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

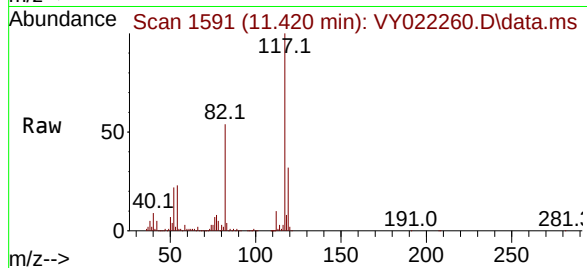
Tgt Ion: 95 Resp: 169575
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 79.1 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

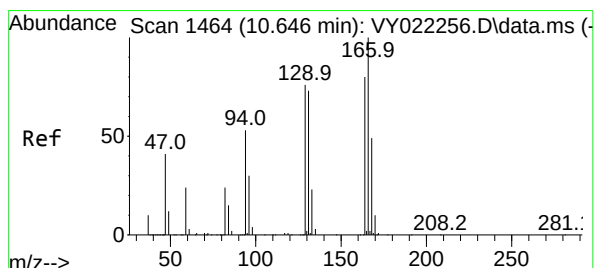
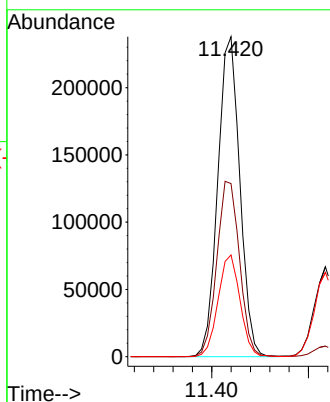
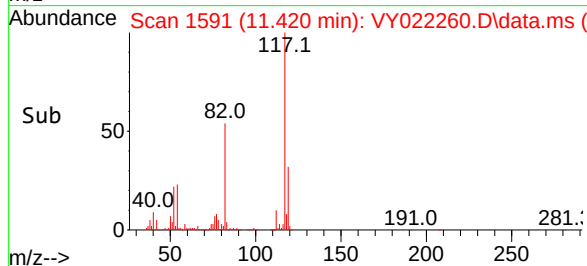
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



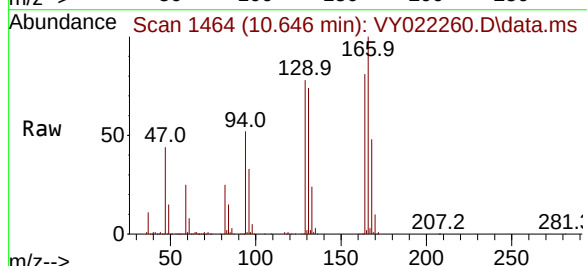
Tgt Ion:117 Resp: 375548
Ion Ratio Lower Upper
117 100
82 54.1 46.6 70.0
119 31.8 25.8 38.6

Manual Integrations
APPROVED

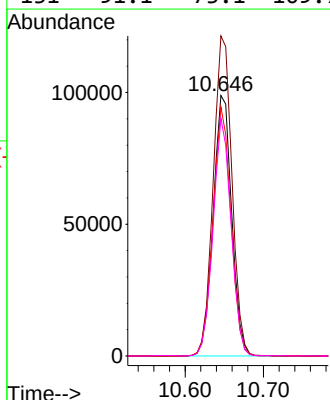
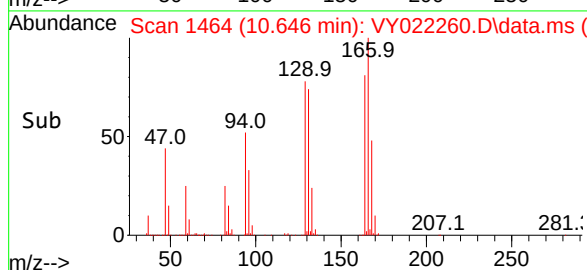
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

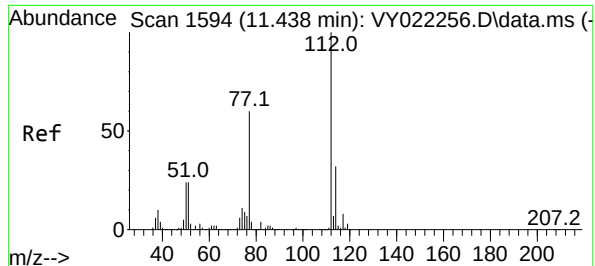


#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



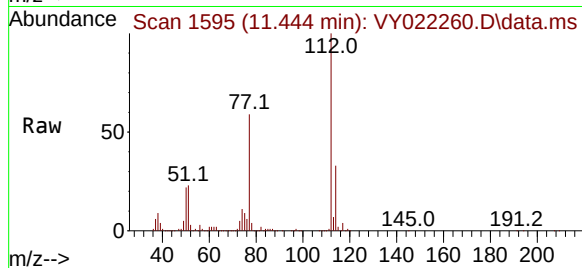
Tgt Ion:164 Resp: 162818
Ion Ratio Lower Upper
164 100
166 122.8 100.4 150.6
129 95.5 76.4 114.6
131 91.1 73.1 109.7





#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

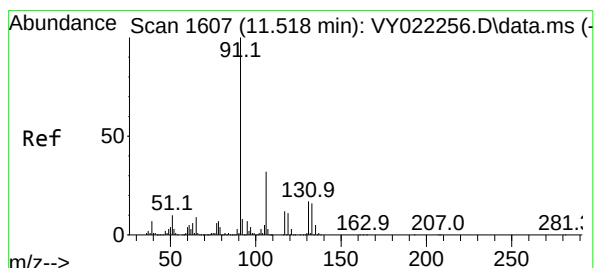
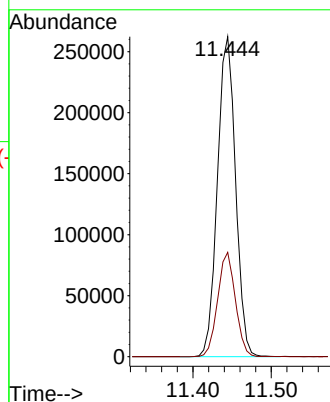
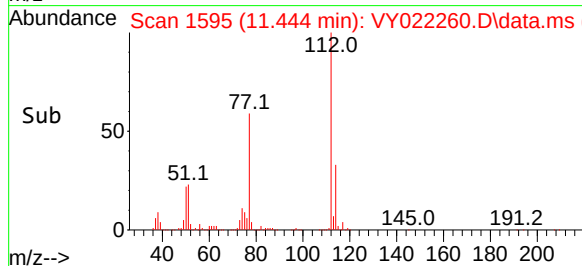
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:112 Resp: 422170
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

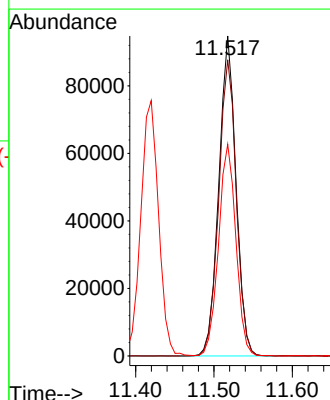
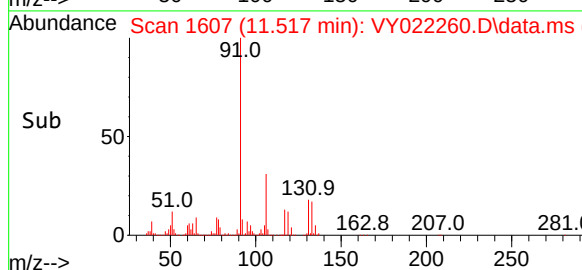
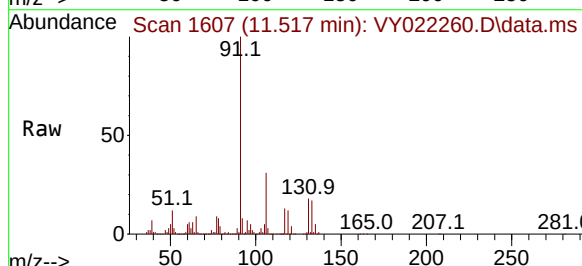
Manual Integrations
APPROVED

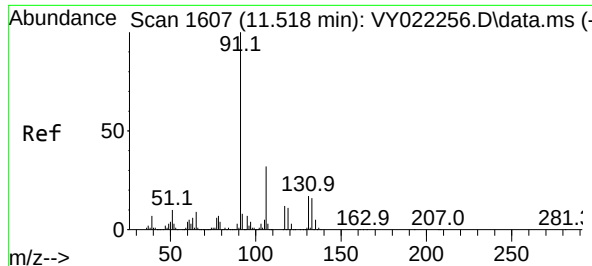
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

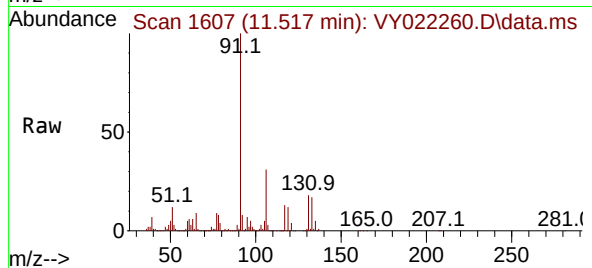
Tgt Ion:131 Resp: 144636
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 67.0 33.1 99.2





#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

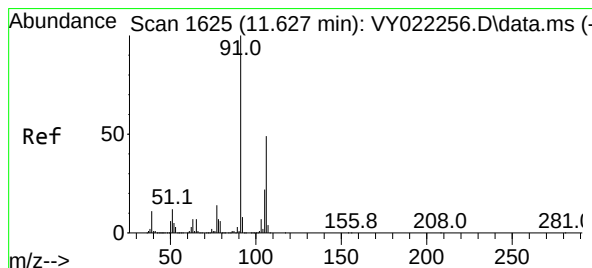
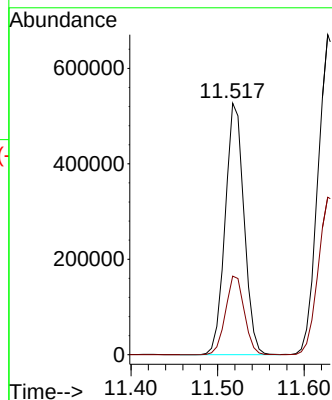
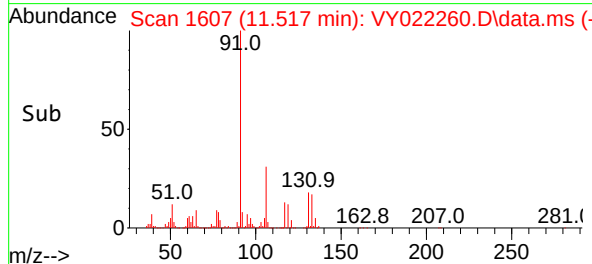
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 91 Resp: 794978
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

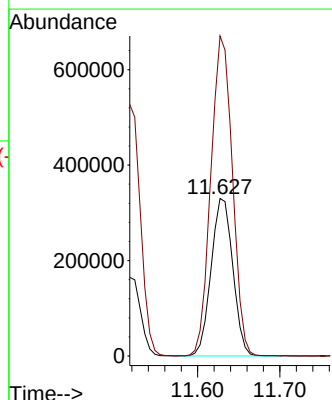
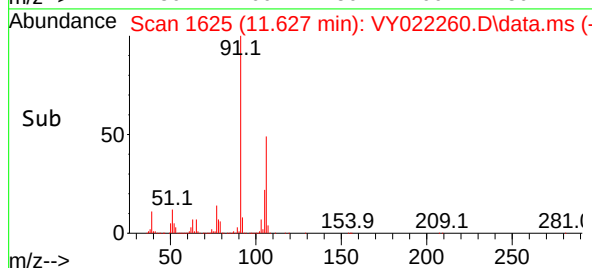
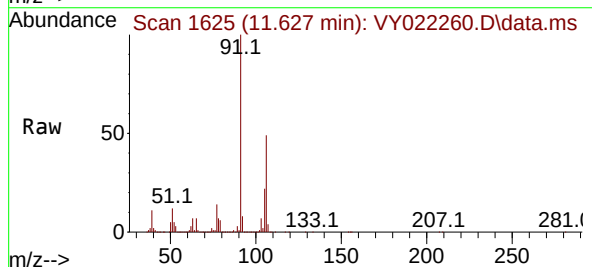
Manual Integrations
APPROVED

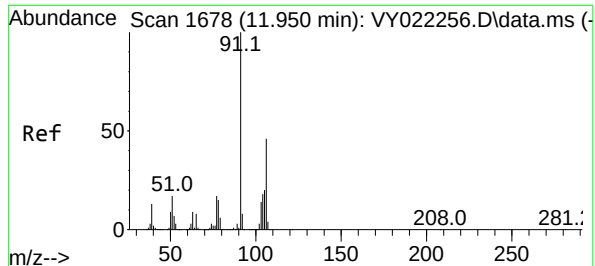
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#68
m/p-Xylenes
Concen: 101.087 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 604420
Ion Ratio Lower Upper
106 100
91 202.6 163.0 244.4





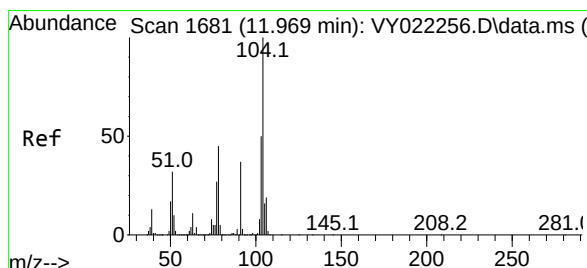
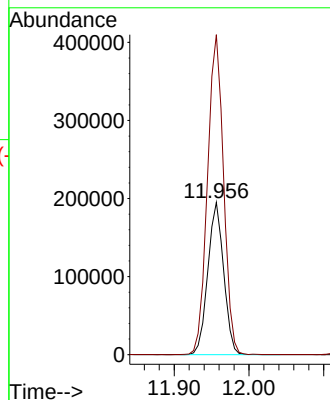
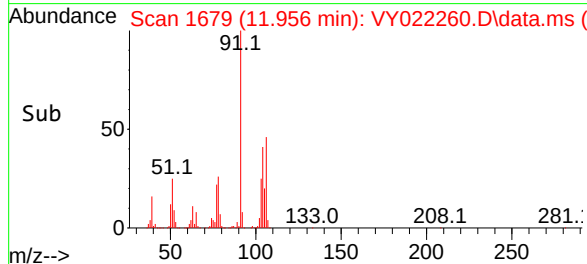
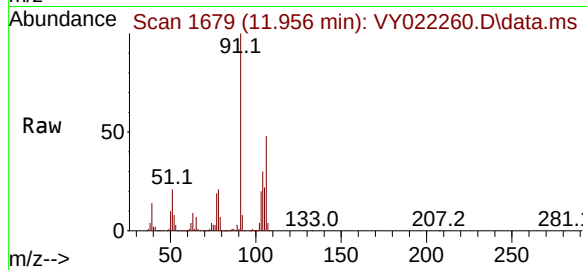
#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:106 Resp: 286712
Ion Ratio Lower Upper
106 100
91 213.3 108.3 324.8

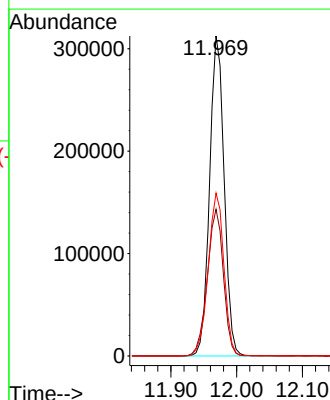
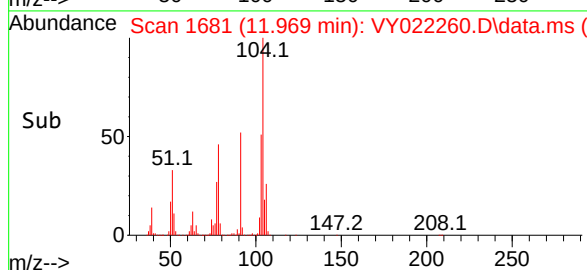
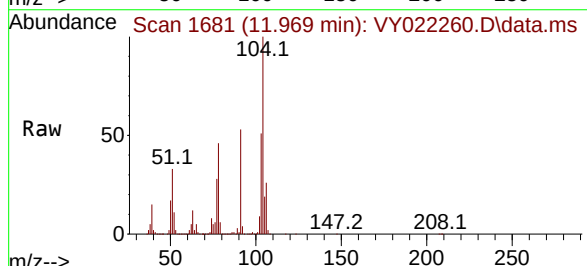
Manual Integrations
APPROVED

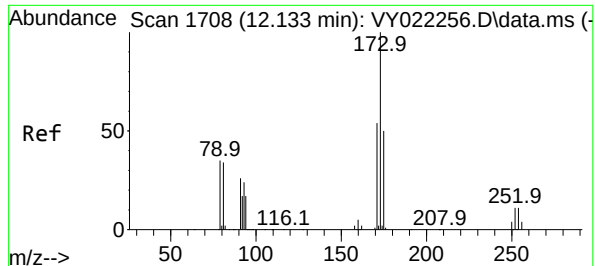
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 50.471 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

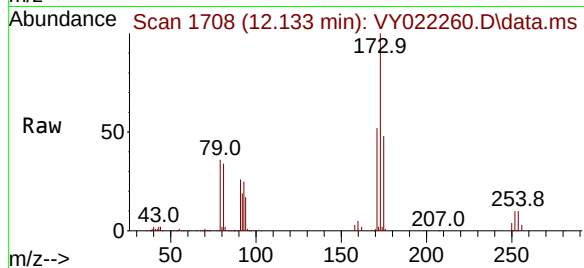
Tgt Ion:104 Resp: 481621
Ion Ratio Lower Upper
104 100
78 50.7 40.9 61.3
103 55.1 43.7 65.5





#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

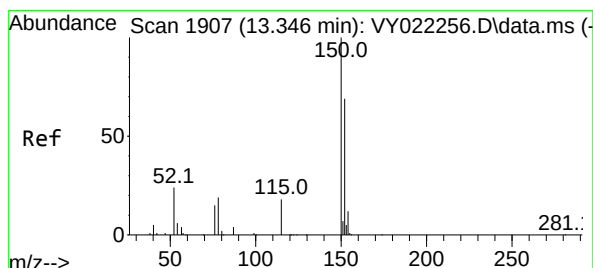
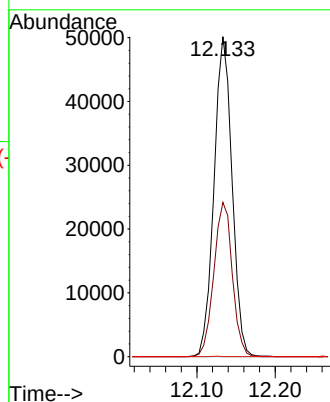
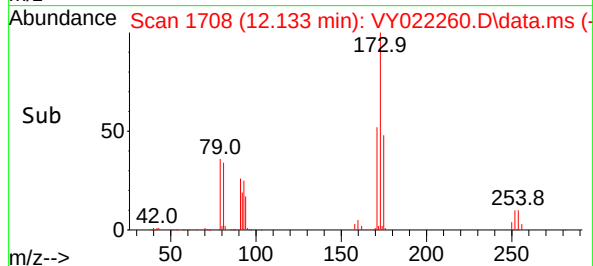
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



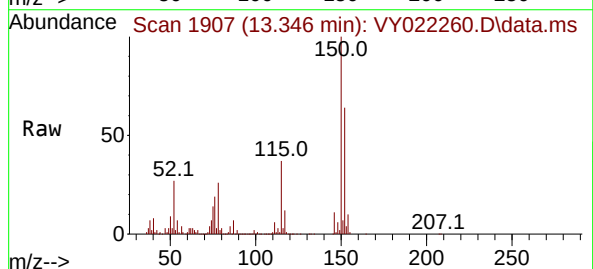
Tgt Ion:173 Resp: 80210
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.1 0.0 0.0

Manual Integrations
APPROVED

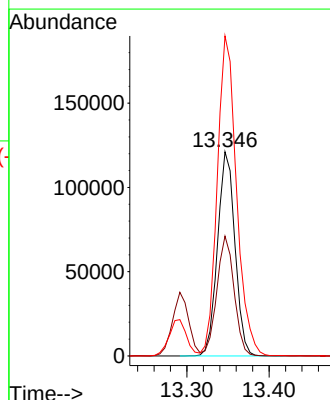
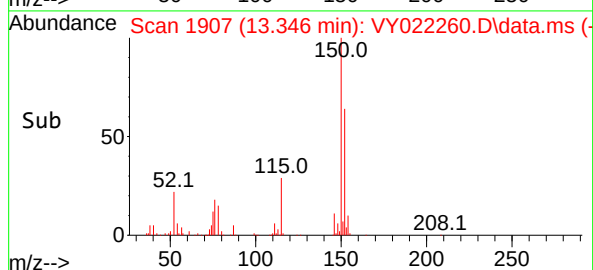
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

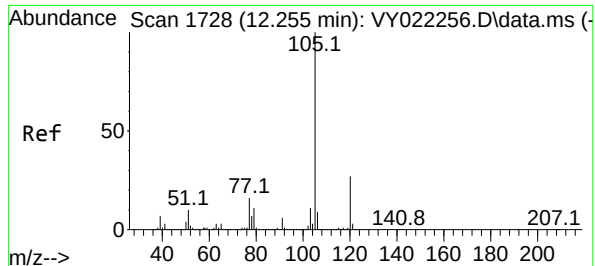


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



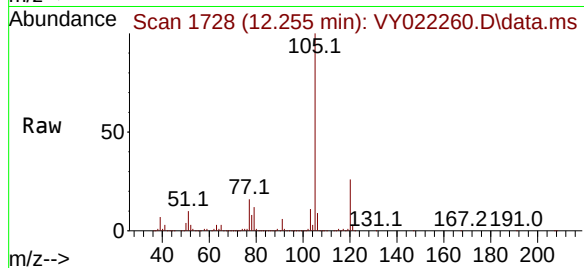
Tgt Ion:152 Resp: 178387
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 173.8 0.0 353.8





#73
Isopropylbenzene
Concen: 49.964 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

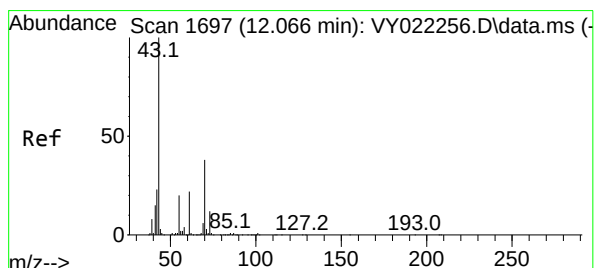
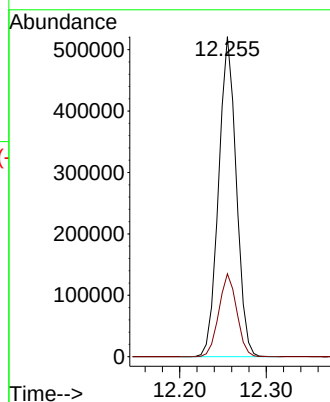
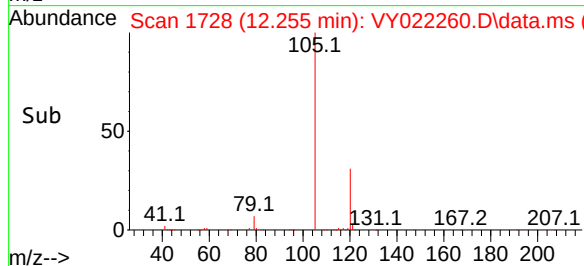
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:105 Resp: 738398
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

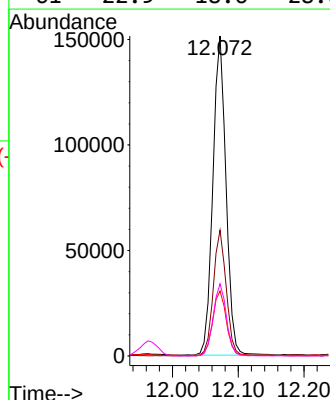
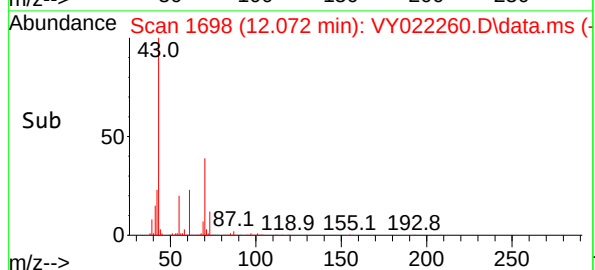
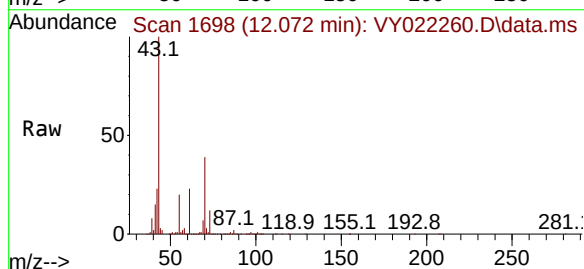
Manual Integrations
APPROVED

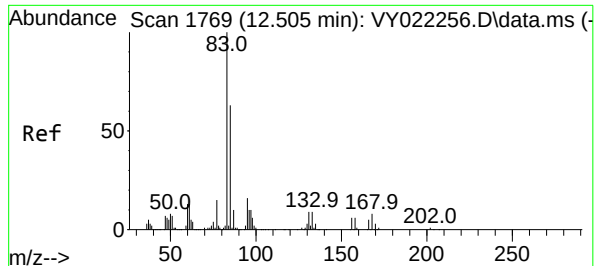
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#74
N-ethyl acetate
Concen: 49.805 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

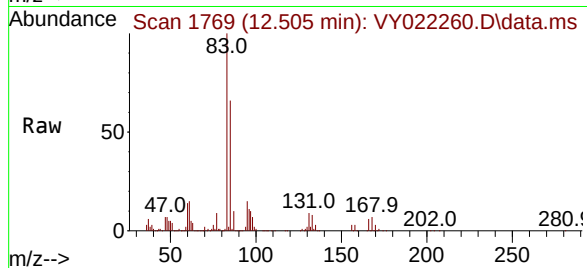
Tgt Ion: 43 Resp: 210510
Ion Ratio Lower Upper
43 100
70 39.0 31.4 47.0
55 20.7 17.0 25.6
61 22.9 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 53.062 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

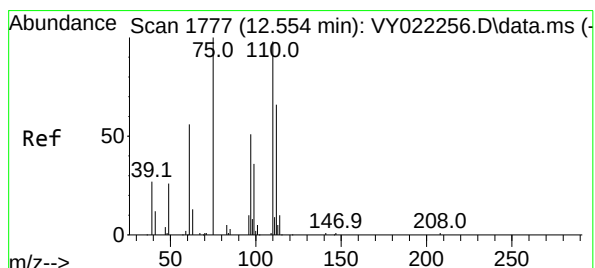
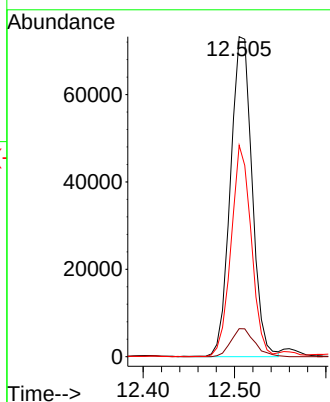
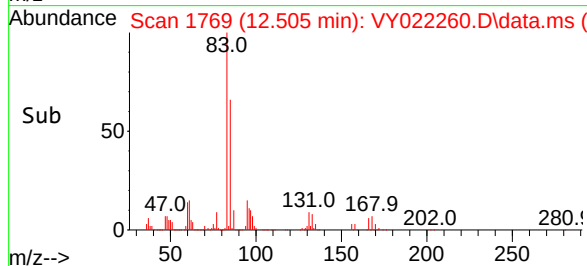
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 83 Resp: 120599
Ion Ratio Lower Upper
83 100
131 9.6 4.9 14.7
85 61.7 32.0 96.0

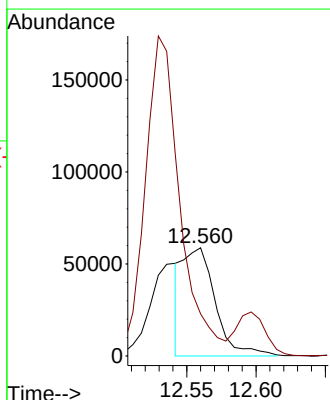
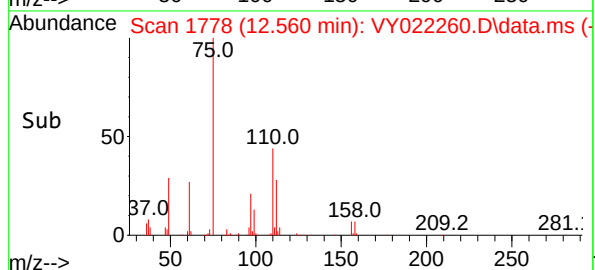
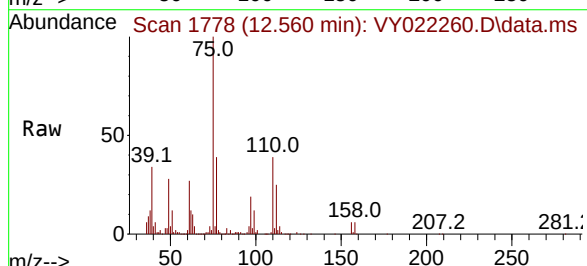
Manual Integrations
APPROVED

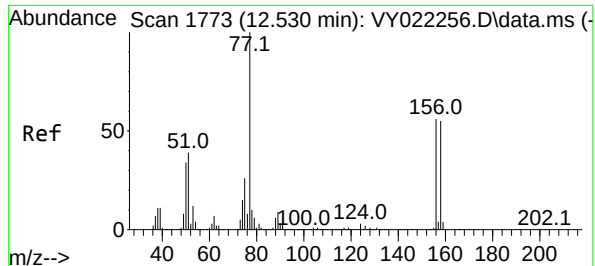
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#76
1,2,3-Trichloropropane
Concen: 53.564 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

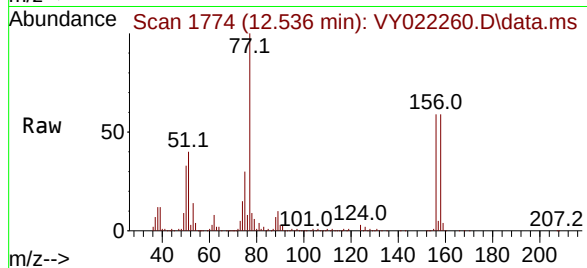
Tgt Ion: 75 Resp: 96804
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 49.374 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

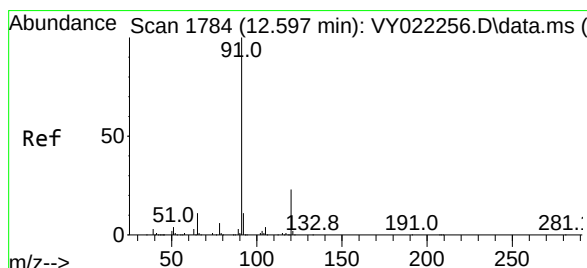
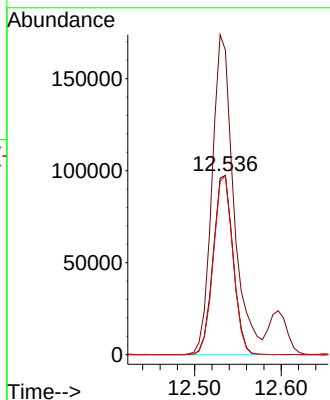
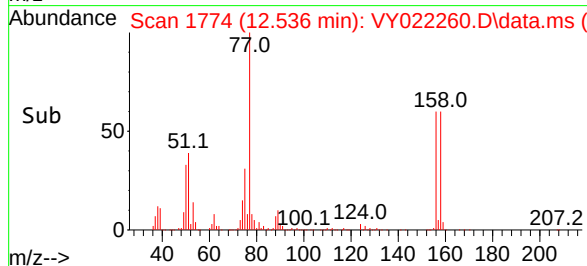
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 156 Resp: 15584
Ion Ratio Lower Upper
156 100
77 194.2 94.5 283.6
158 98.0 48.4 145.3

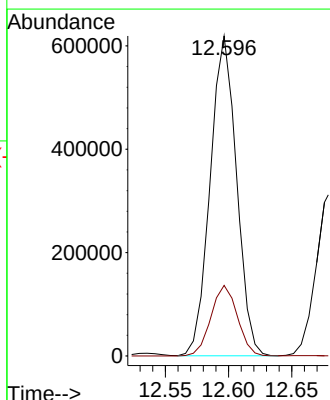
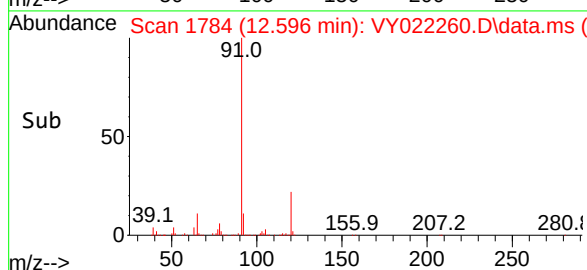
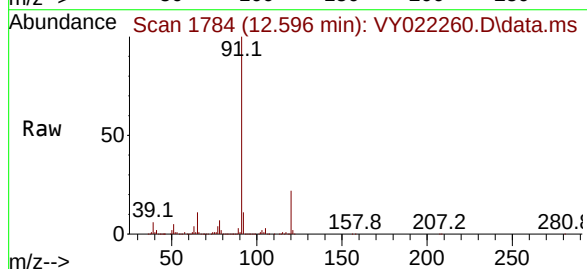
Manual Integrations
APPROVED

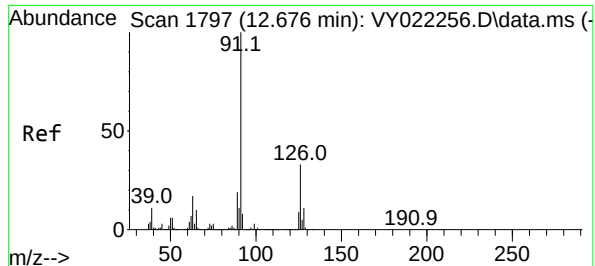
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

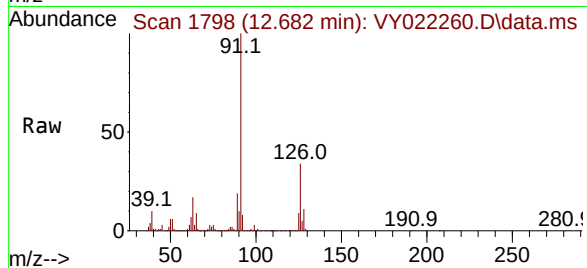
Tgt Ion: 91 Resp: 896555
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79
2-Chlorotoluene
Concen: 50.130 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

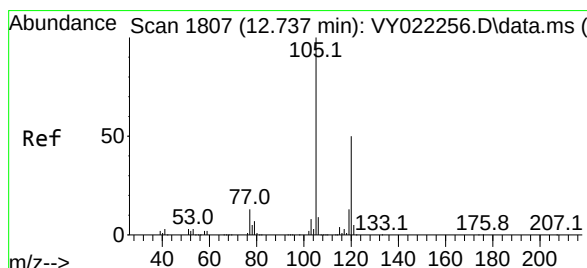
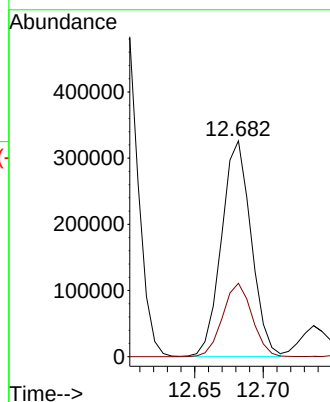
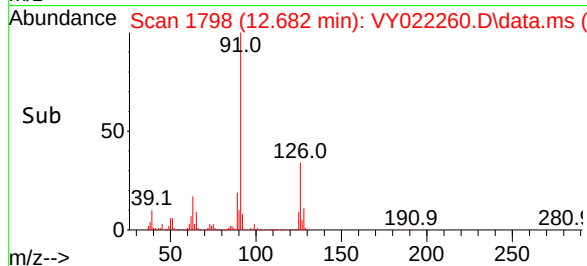
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 91 Resp: 49107
Ion Ratio Lower Upper
91 100
126 33.8 16.8 50.4

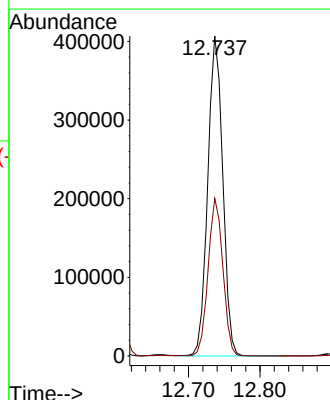
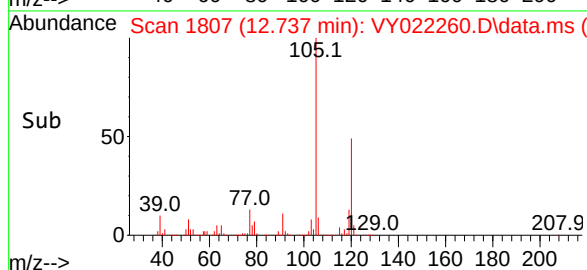
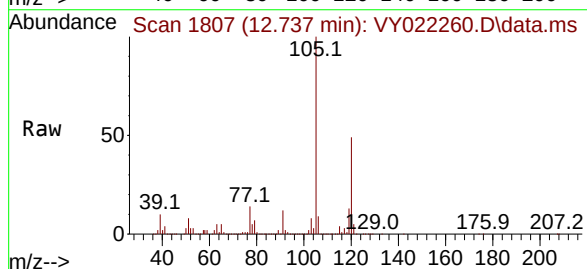
Manual Integrations
APPROVED

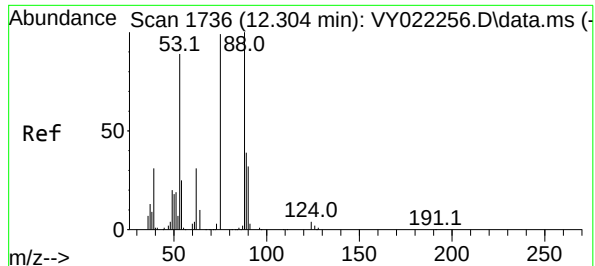
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.632 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

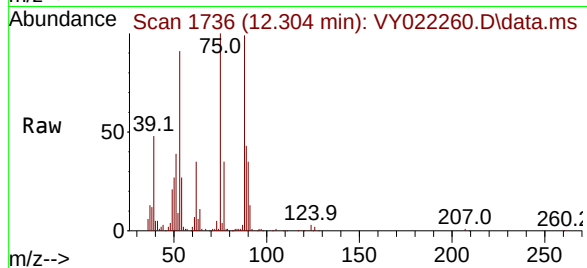
Tgt Ion:105 Resp: 592100
Ion Ratio Lower Upper
105 100
120 48.7 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 49.231 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

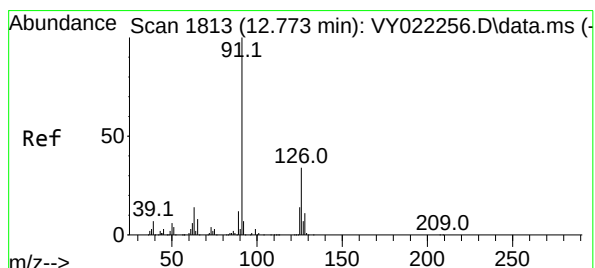
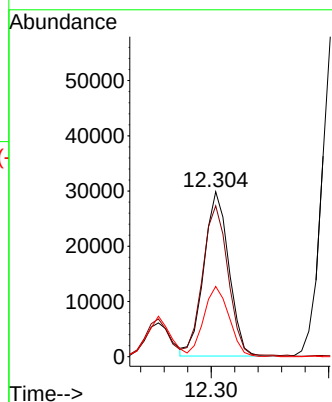
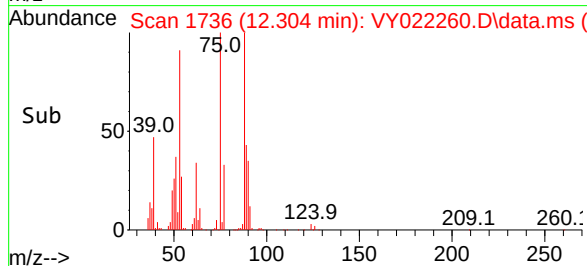
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 75 Resp: 4392
Ion Ratio Lower Upper
75 100
53 94.1 75.8 113.8
89 43.4 36.2 54.2

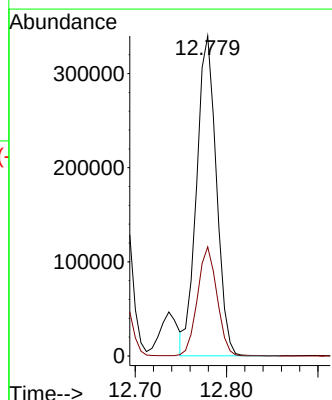
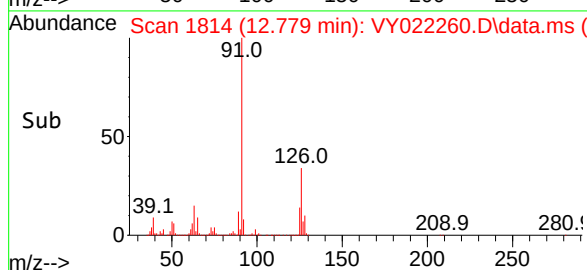
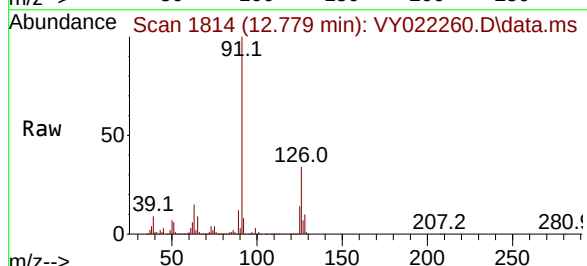
Manual Integrations
APPROVED

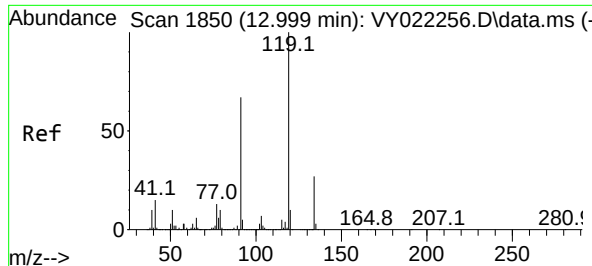
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 510451
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.4





#83

tert-Butylbenzene

Concen: 49.715 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion:119 Resp: 527140

Ion Ratio Lower Upper

119 100

91 65.4 32.8 98.3

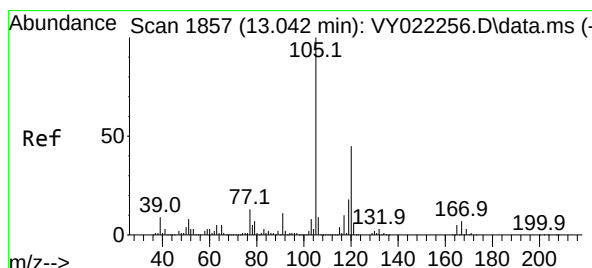
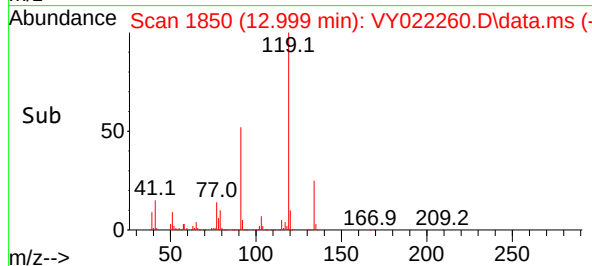
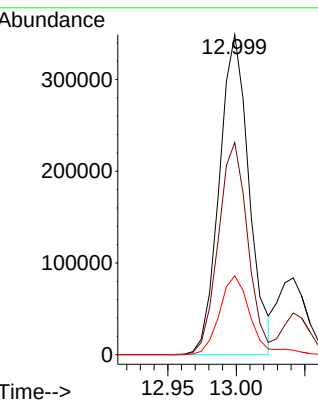
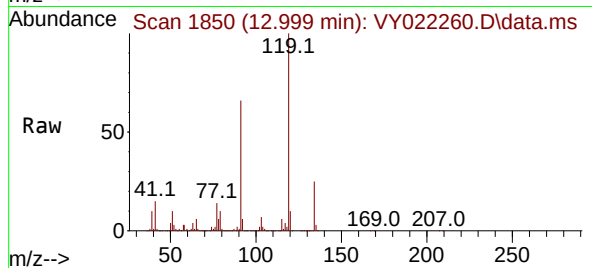
134 25.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.535 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022260.D

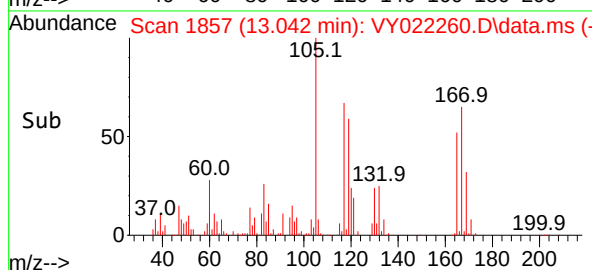
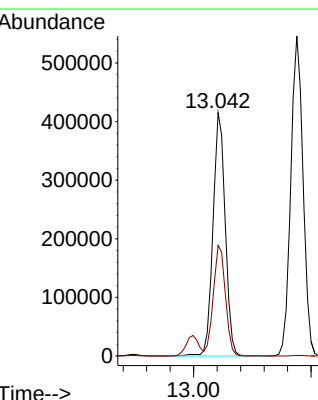
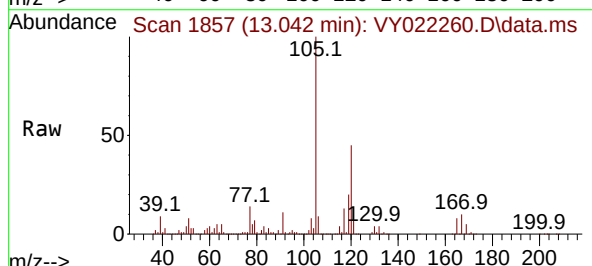
Acq: 15 May 2025 13:20

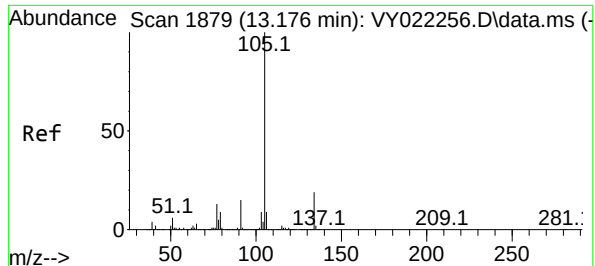
Tgt Ion:105 Resp: 598450

Ion Ratio Lower Upper

105 100

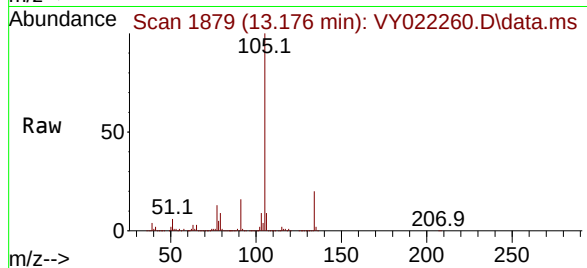
120 45.1 22.3 66.9





#85
sec-Butylbenzene
Concen: 50.000 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

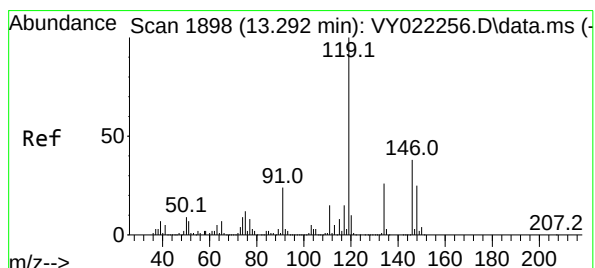
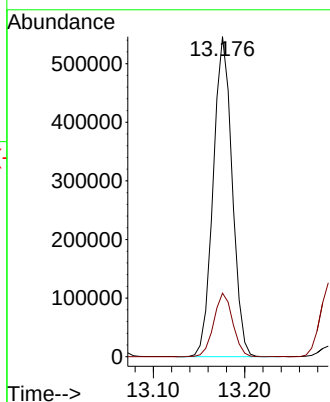
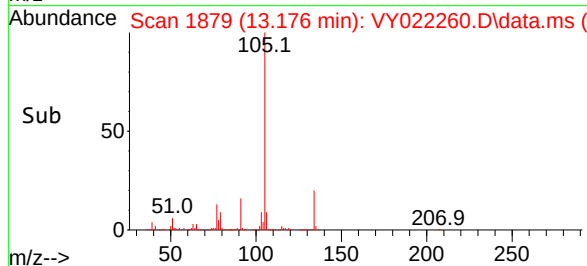
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:105 Resp: 787000
Ion Ratio Lower Upper
105 100
134 19.8 9.8 29.5

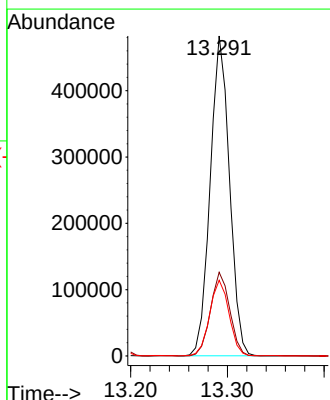
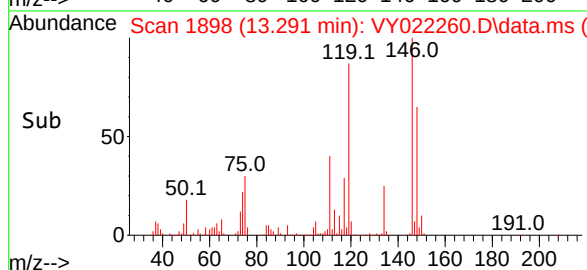
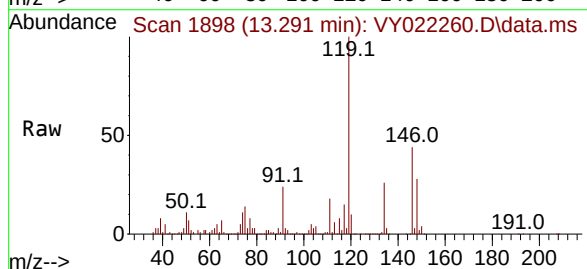
Manual Integrations
APPROVED

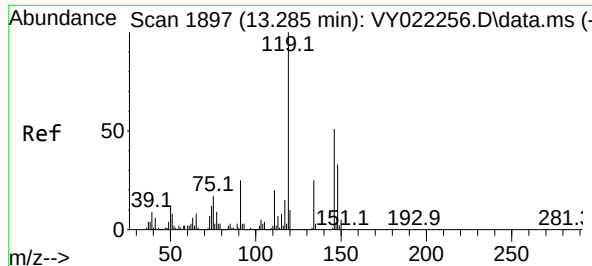
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 664795
Ion Ratio Lower Upper
119 100
134 26.2 12.9 38.6
91 23.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 49.718 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

Tgt Ion:146 Resp: 32035

Ion Ratio Lower Upper

146 100

111 40.2 19.9 59.7

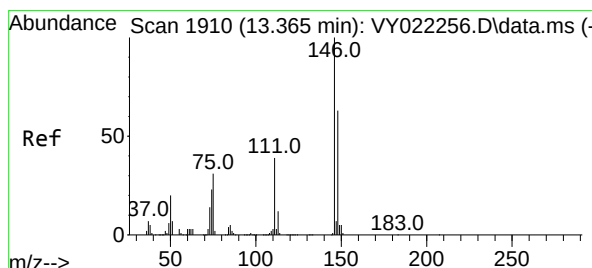
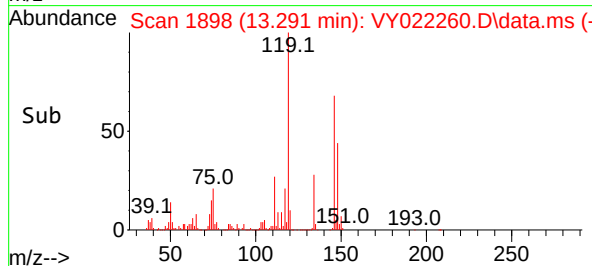
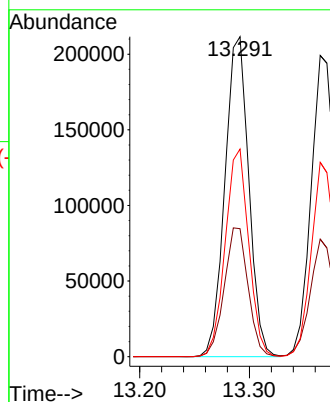
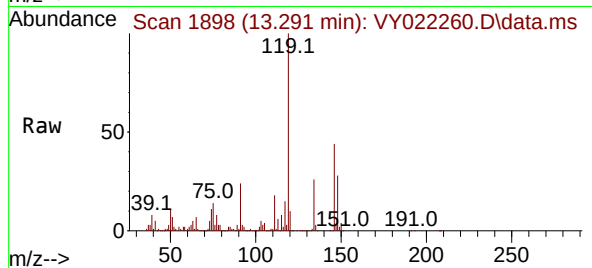
148 63.8 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 49.669 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

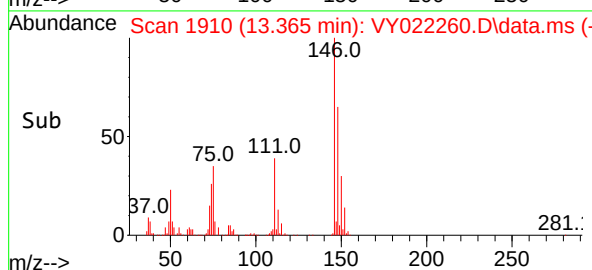
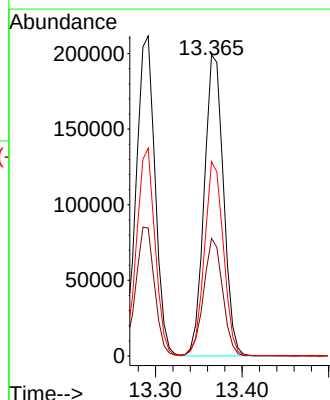
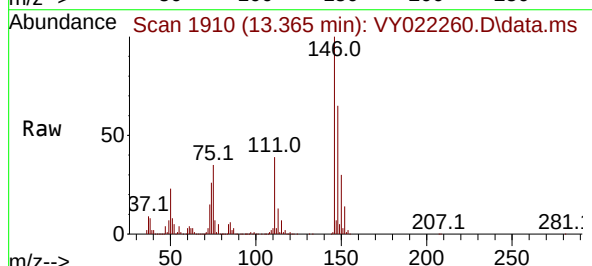
Tgt Ion:146 Resp: 307847

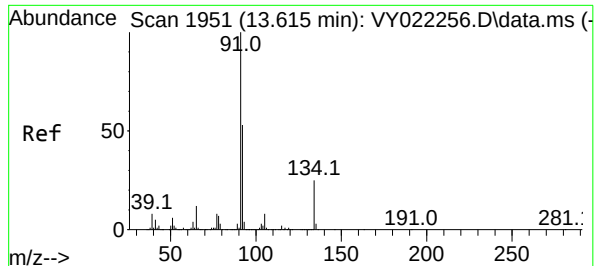
Ion Ratio Lower Upper

146 100

111 38.6 20.0 59.9

148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 50.402 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

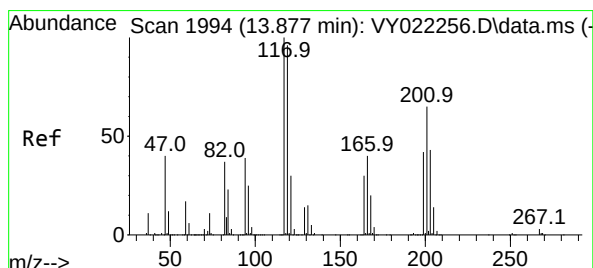
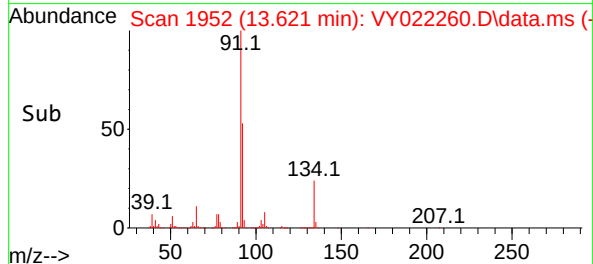
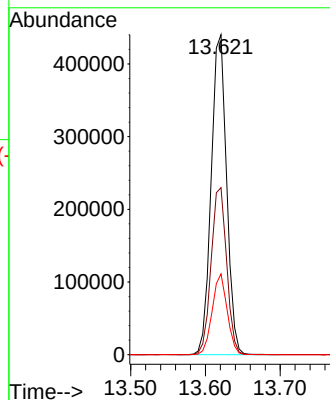
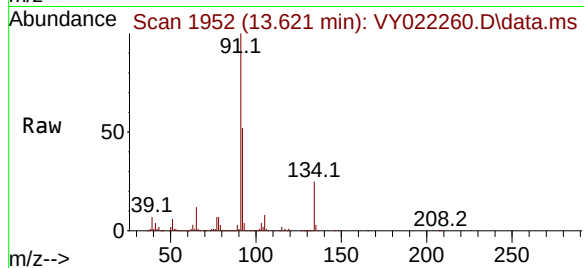
ICVVY051525

Tgt Ion: 91	Resp: 63122
Ion Ratio	Lower Upper
91 100	
92 52.7	26.3 78.9
134 24.6	12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#90

Hexachloroethane

Concen: 49.502 ug/l

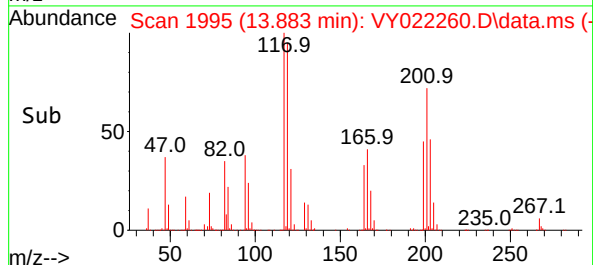
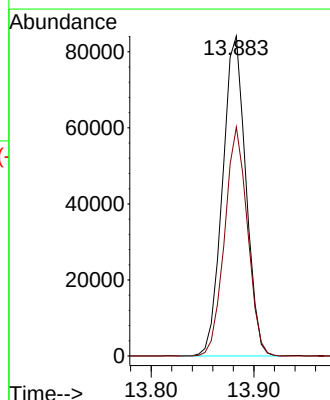
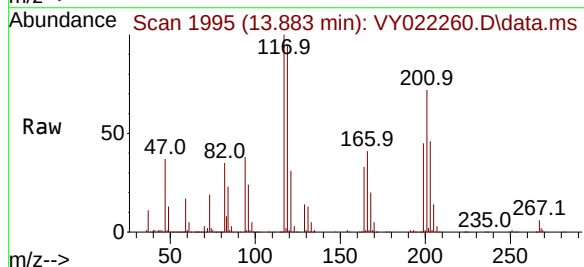
RT: 13.883 min Scan# 1995

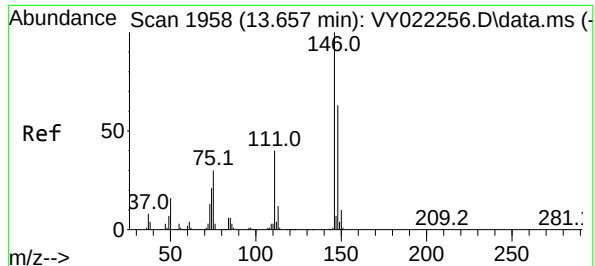
Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

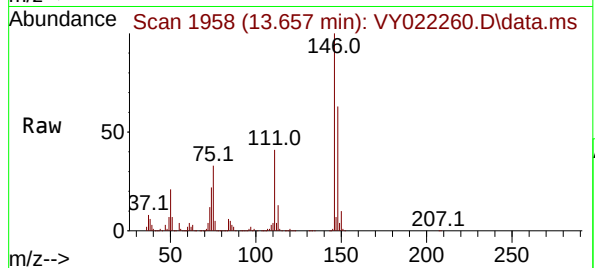
Tgt Ion:117	Resp: 132281
Ion Ratio	Lower Upper
117 100	
201 70.2	35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 49.954 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

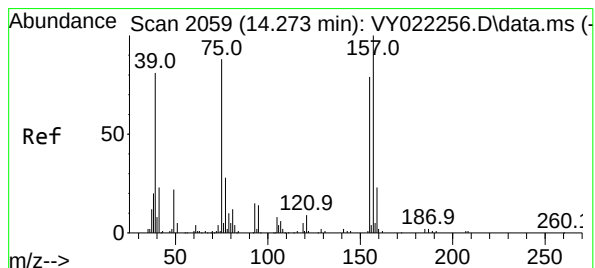
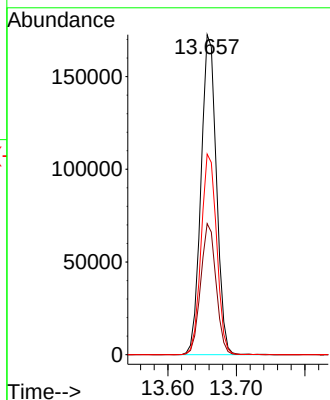
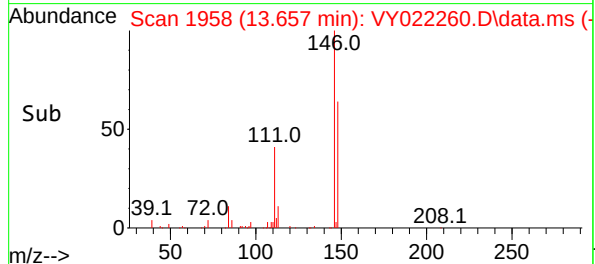
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:146 Resp: 27037
Ion Ratio Lower Upper
146 100
111 40.8 20.5 61.5
148 63.3 32.0 96.0

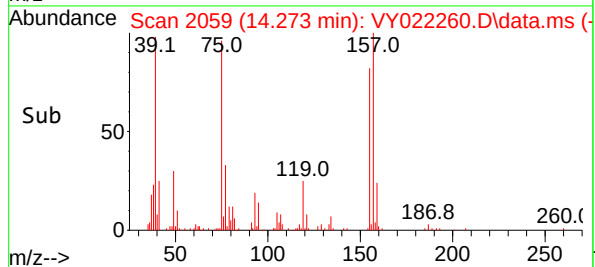
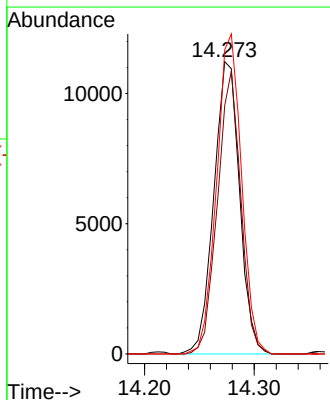
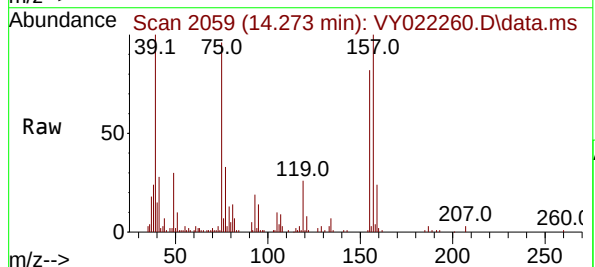
Manual Integrations
APPROVED

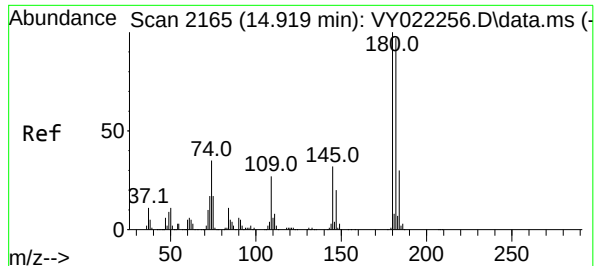
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.028 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 18335
Ion Ratio Lower Upper
75 100
155 87.6 43.4 130.1
157 105.9 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 48.794 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY051525

Tgt Ion:180 Resp: 15254

Ion Ratio Lower Upper

180 100

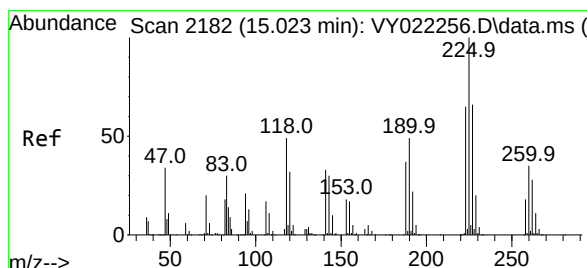
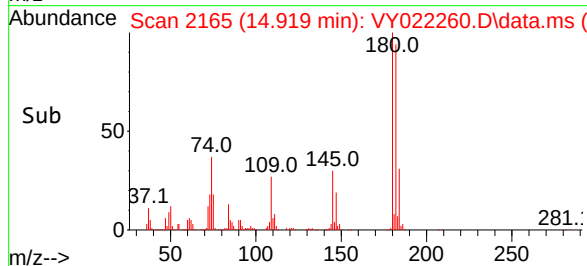
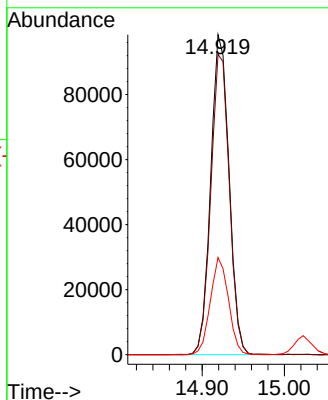
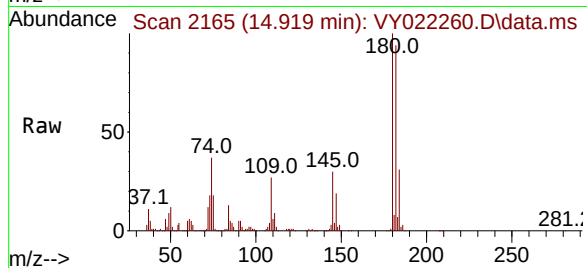
182 94.7 48.0 144.0

145 30.1 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#94

Hexachlorobutadiene

Concen: 47.770 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

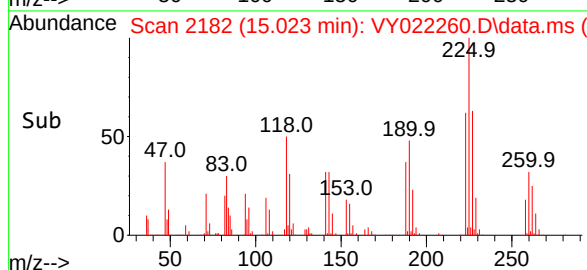
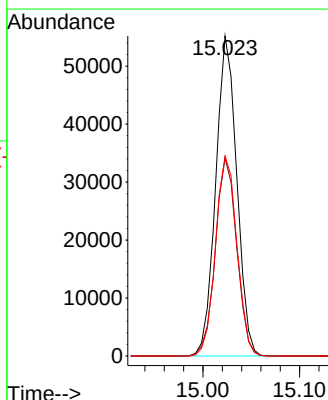
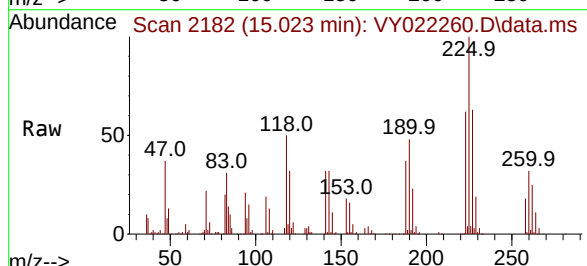
Tgt Ion:225 Resp: 83287

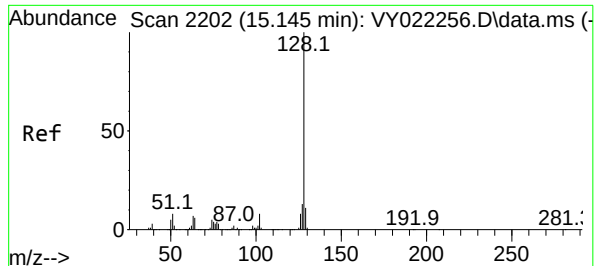
Ion Ratio Lower Upper

225 100

223 62.6 31.5 94.5

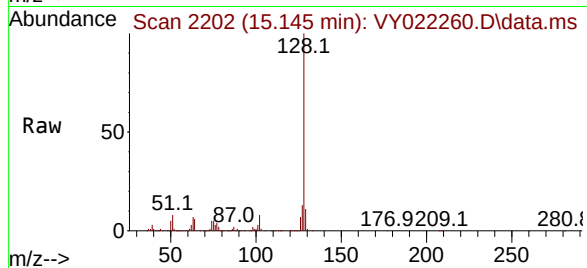
227 63.6 32.1 96.3





#95
Naphthalene
Concen: 48.421 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

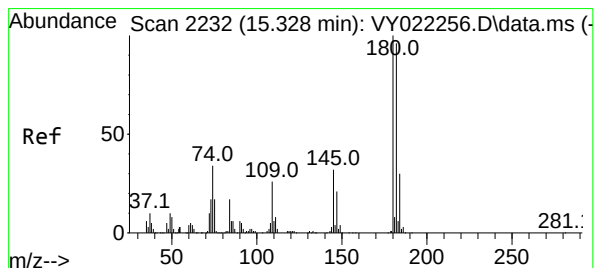
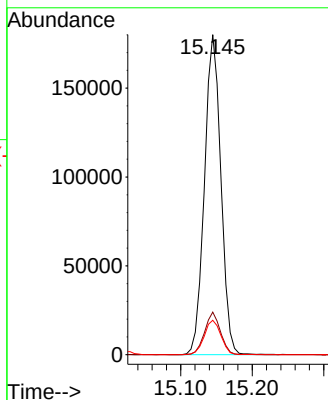
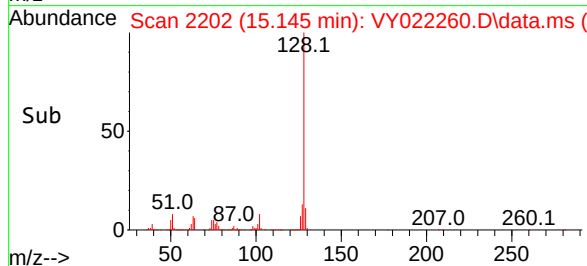
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



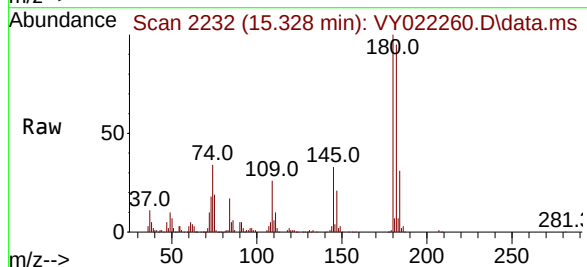
Tgt Ion:128 Resp: 287270
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.8 13.2

Manual Integrations
APPROVED

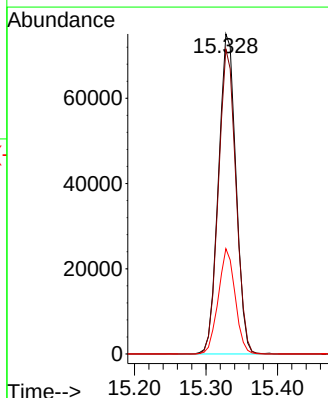
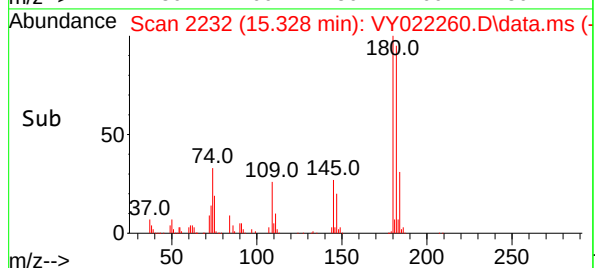
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.060 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



Tgt Ion:180 Resp: 127466
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 31.6 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY051525

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	0.522	0.516	1.1	96	0.00
3 P	Chloromethane	1.097	1.069	2.6	97	0.00
4 C	Vinyl Chloride	1.226	1.253	-2.2#	98	0.00
5 T	Bromomethane	0.998	0.968	3.0	104	0.00
6 T	Chloroethane	0.763	0.812	-6.4	101	0.00
7 T	Trichlorofluoromethane	1.241	1.271	-2.4	99	0.00
8 T	Diethyl Ether	0.298	0.310	-4.0	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.556	-3.2	98	0.00
10 T	Methyl Iodide	0.624	0.619	0.8	85	0.00
11 T	Tert butyl alcohol	0.042	0.044	-4.8	108	0.00
12 CM	1,1-Dichloroethene	0.535	0.551	-3.0#	97	0.00
13 T	Acrolein	0.061	0.058	4.9	97	0.00
14 T	Allyl chloride	0.938	0.991	-5.7	98	0.00
15 T	Acrylonitrile	0.123	0.130	-5.7	102	0.00
16 T	Acetone	0.102	0.104	-2.0	105	0.00
17 T	Carbon Disulfide	1.744	1.806	-3.6	97	0.00
18 T	Methyl Acetate	0.323	0.384	-18.9	120	0.00
19 T	Methyl tert-butyl Ether	1.475	1.566	-6.2	101	0.00
20 T	Methylene Chloride	0.662	0.626	5.4	99	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.609	-3.2	97	0.00
22 T	Diisopropyl ether	1.980	2.063	-4.2	98	0.00
23 T	Vinyl Acetate	1.196	1.211	-1.3	97	0.00
24 P	1,1-Dichloroethane	1.106	1.143	-3.3	97	0.00
25 T	2-Butanone	0.171	0.175	-2.3	103	0.00
26 T	2,2-Dichloropropane	0.984	1.027	-4.4	98	0.00
27 T	cis-1,2-Dichloroethene	0.681	0.715	-5.0	98	0.00
28 T	Bromochloromethane	0.472	0.494	-4.7	99	0.00
29 T	Tetrahydrofuran	0.110	0.117	-6.4	103	0.00
30 C	Chloroform	1.061	1.121	-5.7#	98	0.00
31 T	Cyclohexane	1.105	1.076	2.6	96	0.00
32 T	1,1,1-Trichloroethane	0.974	1.003	-3.0	98	0.00
33 S	1,2-Dichloroethane-d4	0.546	0.569	-4.2	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.298	0.308	-3.4	100	0.00
36 T	1,1-Dichloropropene	0.492	0.496	-0.8	96	0.00
37 T	Ethyl Acetate	0.237	0.240	-1.3	100	0.00
38 T	Carbon Tetrachloride	0.509	0.514	-1.0	97	0.00
39 T	Methylcyclohexane	0.660	0.661	-0.2	96	0.00
40 TM	Benzene	1.457	1.507	-3.4	98	0.00
41 T	Methacrylonitrile	0.157	0.168	-7.0	104	0.02
42 TM	1,2-Dichloroethane	0.394	0.409	-3.8	99	0.00
43 T	Isopropyl Acetate	0.516	0.530	-2.7	101	0.00
44 TM	Trichloroethene	0.362	0.365	-0.8	96	0.00
45 C	1,2-Dichloropropane	0.351	0.361	-2.8#	99	0.00
46 T	Dibromomethane	0.189	0.195	-3.2	101	0.00
47 T	Bromodichloromethane	0.492	0.516	-4.9	100	0.00
48 T	Methyl methacrylate	0.241	0.248	-2.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY051525

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	103	0.00
50 S	Toluene-d8	1.222	1.252	-2.5	99	0.00
51 T	4-Methyl-2-Pentanone	0.253	0.265	-4.7	102	0.00
52 CM	Toluene	0.923	0.947	-2.6#	98	0.00
53 T	t-1,3-Dichloropropene	0.480	0.494	-2.9	99	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.571	-3.8	99	0.00
55 T	1,1,2-Trichloroethane	0.243	0.248	-2.1	100	0.00
56 T	Ethyl methacrylate	0.378	0.383	-1.3	98	0.00
57 T	1,3-Dichloropropane	0.431	0.447	-3.7	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.170	0.184	-8.2	98	0.00
59 T	2-Hexanone	0.170	0.175	-2.9	103	0.00
60 T	Dibromochloromethane	0.315	0.330	-4.8	100	0.00
61 T	1,2-Dibromoethane	0.226	0.233	-3.1	100	0.00
62 S	4-Bromofluorobenzene	0.387	0.395	-2.1	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.462	0.434	6.1	91	0.00
65 PM	Chlorobenzene	1.128	1.124	0.4	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.385	0.8	97	0.00
67 C	Ethyl Benzene	2.113	2.117	-0.2#	97	0.00
68 T	m/p-Xylenes	0.796	0.805	-1.1	98	0.00
69 T	o-Xylene	0.753	0.763	-1.3	99	0.00
70 T	Styrene	1.270	1.282	-0.9	98	0.00
71 P	Bromoform	0.209	0.214	-2.4	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	4.142	4.139	0.1	98	0.00
74 T	N-amyl acetate	1.185	1.180	0.4	101	0.00
75 P	1,1,2,2-Tetrachloroethane	0.637	0.676	-6.1	107	0.00
76 T	1,2,3-Trichloropropane	0.507	0.543	-7.1	107	0.00
77 T	Bromobenzene	0.885	0.874	1.2	97	0.00
78 T	n-propylbenzene	4.996	5.026	-0.6	97	0.00
79 T	2-Chlorotoluene	2.746	2.753	-0.3	97	0.00
80 T	1,3,5-Trimethylbenzene	3.344	3.319	0.7	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.250	0.246	1.6	103	0.00
82 T	4-Chlorotoluene	2.824	2.861	-1.3	97	0.00
83 T	tert-Butylbenzene	2.972	2.955	0.6	97	0.00
84 T	1,2,4-Trimethylbenzene	3.319	3.355	-1.1	97	0.00
85 T	sec-Butylbenzene	4.412	4.412	0.0	95	0.00
86 T	p-Isopropyltoluene	3.710	3.727	-0.5	97	0.00
87 T	1,3-Dichlorobenzene	1.806	1.796	0.6	97	0.00
88 T	1,4-Dichlorobenzene	1.737	1.726	0.6	98	0.00
89 T	n-Butylbenzene	3.510	3.538	-0.8	95	0.00
90 T	Hexachloroethane	0.749	0.742	0.9	96	0.00
91 T	1,2-Dichlorobenzene	1.517	1.516	0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	102	0.00
93 T	1,2,4-Trichlorobenzene	0.876	0.855	2.4	94	0.00
94 T	Hexachlorobutadiene	0.489	0.467	4.5	92	0.00
95 T	Naphthalene	1.663	1.610	3.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	0.743	0.715	3.8	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY051525

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	49.432	1.1	96	0.00
3 P	Chloromethane	50.000	48.719	2.6	97	0.00
4 C	Vinyl Chloride	50.000	51.111	-2.2#	98	0.00
5 T	Bromomethane	50.000	48.486	3.0	104	0.00
6 T	Chloroethane	50.000	53.234	-6.5	101	0.00
7 T	Trichlorofluoromethane	50.000	51.174	-2.3	99	0.00
8 T	Diethyl Ether	50.000	52.055	-4.1	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.564	-3.1	98	0.00
10 T	Methyl Iodide	50.000	49.606	0.8	85	0.00
11 T	Tert butyl alcohol	250.000	265.144	-6.1	108	0.00
12 CM	1,1-Dichloroethene	50.000	51.487	-3.0#	97	0.00
13 T	Acrolein	250.000	238.362	4.7	97	0.00
14 T	Allyl chloride	50.000	52.817	-5.6	98	0.00
15 T	Acrylonitrile	250.000	265.134	-6.1	102	0.00
16 T	Acetone	250.000	252.660	-1.1	105	0.00
17 T	Carbon Disulfide	50.000	51.765	-3.5	97	0.00
18 T	Methyl Acetate	50.000	59.461	-18.9	120	0.00
19 T	Methyl tert-butyl Ether	50.000	53.096	-6.2	101	0.00
20 T	Methylene Chloride	50.000	47.298	5.4	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.552	-3.1	97	0.00
22 T	Diisopropyl ether	50.000	52.085	-4.2	98	0.00
23 T	Vinyl Acetate	250.000	253.098	-1.2	97	0.00
24 P	1,1-Dichloroethane	50.000	51.668	-3.3	97	0.00
25 T	2-Butanone	250.000	255.929	-2.4	103	0.00
26 T	2,2-Dichloropropane	50.000	52.191	-4.4	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.479	-5.0	98	0.00
28 T	Bromochloromethane	50.000	52.305	-4.6	99	0.00
29 T	Tetrahydrofuran	250.000	264.847	-5.9	103	0.00
30 C	Chloroform	50.000	52.810	-5.6#	98	0.00
31 T	Cyclohexane	50.000	48.673	2.7	96	0.00
32 T	1,1,1-Trichloroethane	50.000	51.523	-3.0	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.104	-4.2	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	51.658	-3.3	100	0.00
36 T	1,1-Dichloropropene	50.000	50.457	-0.9	96	0.00
37 T	Ethyl Acetate	50.000	50.633	-1.3	100	0.00
38 T	Carbon Tetrachloride	50.000	50.543	-1.1	97	0.00
39 T	Methylcyclohexane	50.000	50.015	-0.0	96	0.00
40 TM	Benzene	50.000	51.696	-3.4	98	0.00
41 T	Methacrylonitrile	50.000	53.599	-7.2	104	0.02
42 TM	1,2-Dichloroethane	50.000	51.834	-3.7	99	0.00
43 T	Isopropyl Acetate	50.000	51.415	-2.8	101	0.00
44 TM	Trichloroethene	50.000	50.335	-0.7	96	0.00
45 C	1,2-Dichloropropane	50.000	51.417	-2.8#	99	0.00
46 T	Dibromomethane	50.000	51.423	-2.8	101	0.00
47 T	Bromodichloromethane	50.000	52.508	-5.0	100	0.00
48 T	Methyl methacrylate	50.000	51.357	-2.7	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022260.D
 Acq On : 15 May 2025 13:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY051525

Quant Time: May 16 01:47:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	1008.479	-0.8	103	0.00
50 S	Toluene-d8	50.000	51.229	-2.5	99	0.00
51 T	4-Methyl-2-Pentanone	250.000	261.463	-4.6	102	0.00
52 CM	Toluene	50.000	51.337	-2.7#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	51.458	-2.9	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.916	-3.8	99	0.00
55 T	1,1,2-Trichloroethane	50.000	51.142	-2.3	100	0.00
56 T	Ethyl methacrylate	50.000	50.639	-1.3	98	0.00
57 T	1,3-Dichloropropane	50.000	51.880	-3.8	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	271.104	-8.4	98	0.00
59 T	2-Hexanone	250.000	257.738	-3.1	103	0.00
60 T	Dibromochloromethane	50.000	52.425	-4.8	100	0.00
61 T	1,2-Dibromoethane	50.000	51.428	-2.9	100	0.00
62 S	4-Bromofluorobenzene	50.000	51.020	-2.0	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	46.905	6.2	91	0.00
65 PM	Chlorobenzene	50.000	49.827	0.3	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.656	0.7	97	0.00
67 C	Ethyl Benzene	50.000	50.100	-0.2#	97	0.00
68 T	m/p-Xylenes	100.000	101.087	-1.1	98	0.00
69 T	o-Xylene	50.000	50.682	-1.4	99	0.00
70 T	Styrene	50.000	50.471	-0.9	98	0.00
71 P	Bromoform	50.000	51.022	-2.0	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	49.964	0.1	98	0.00
74 T	N-ethyl acetate	50.000	49.805	0.4	101	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	107	0.00
76 T	1,2,3-Trichloropropane	50.000	53.564	-7.1	107	0.00
77 T	Bromobenzene	50.000	49.374	1.3	97	0.00
78 T	n-propylbenzene	50.000	50.296	-0.6	97	0.00
79 T	2-Chlorotoluene	50.000	50.130	-0.3	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.632	0.7	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.231	1.5	103	0.00
82 T	4-Chlorotoluene	50.000	50.661	-1.3	97	0.00
83 T	tert-Butylbenzene	50.000	49.715	0.6	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.535	-1.1	97	0.00
85 T	sec-Butylbenzene	50.000	50.000	0.0	95	0.00
86 T	p-Isopropyltoluene	50.000	50.219	-0.4	97	0.00
87 T	1,3-Dichlorobenzene	50.000	49.718	0.6	97	0.00
88 T	1,4-Dichlorobenzene	50.000	49.669	0.7	98	0.00
89 T	n-Butylbenzene	50.000	50.402	-0.8	95	0.00
90 T	Hexachloroethane	50.000	49.502	1.0	96	0.00
91 T	1,2-Dichlorobenzene	50.000	49.954	0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.028	-0.1	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.794	2.4	94	0.00
94 T	Hexachlorobutadiene	50.000	47.770	4.5	92	0.00
95 T	Naphthalene	50.000	48.421	3.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	48.060	3.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100

Instrument ID: MSVOA_Y Calibration Date/Time: 05/22/2025 08:35

Lab File ID: VY022380.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.512		-1.92	20
Chloromethane	1.097	1.093	0.1	-0.46	20
Vinyl Chloride	1.226	1.451		18.35	20
Bromomethane	0.998	1.202		20.44	20
Chloroethane	0.763	0.992		30.01	20
Trichlorofluoromethane	1.241	1.338		7.82	20
1,1,2-Trichlorotrifluoroethane	0.539	0.600		11.32	20
1,1-Dichloroethene	0.535	0.576		7.66	20
Acetone	0.102	0.096		-5.88	20
Carbon Disulfide	1.744	1.805		3.5	20
Methyl tert-butyl Ether	1.475	1.522		3.19	20
Methyl Acetate	0.323	0.304		-5.88	20
Methylene Chloride	0.662	0.614		-7.25	20
trans-1,2-Dichloroethene	0.590	0.630		6.78	20
1,1-Dichloroethane	1.106	1.155	0.1	4.43	20
Cyclohexane	1.105	1.072		-2.99	20
2-Butanone	0.171	0.154		-9.94	20
Carbon Tetrachloride	0.509	0.548		7.66	20
cis-1,2-Dichloroethene	0.681	0.741		8.81	20
Bromochloromethane	0.472	0.490		3.81	20
Chloroform	1.061	1.157		9.05	20
1,1,1-Trichloroethane	0.974	1.054		8.21	20
Methylcyclohexane	0.660	0.694		5.15	20
Benzene	1.457	1.548		6.25	20
1,2-Dichloroethane	0.394	0.396		0.51	20
Trichloroethene	0.362	0.385		6.35	20
1,2-Dichloropropane	0.351	0.362		3.13	20
Bromodichloromethane	0.492	0.514		4.47	20
4-Methyl-2-Pentanone	0.253	0.230		-9.09	20
Toluene	0.923	0.978		5.96	20
t-1,3-Dichloropropene	0.480	0.478		-0.42	20
cis-1,3-Dichloropropene	0.550	0.565		2.73	20
1,1,2-Trichloroethane	0.243	0.246		1.24	20
2-Hexanone	0.170	0.151		-11.18	20
Dibromochloromethane	0.315	0.330		4.76	20
1,2-Dibromoethane	0.226	0.236		4.43	20
Tetrachloroethene	0.462	0.502		8.66	20
Chlorobenzene	1.128	1.194	0.3	5.85	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: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100

Instrument ID: MSVOA_Y Calibration Date/Time: 05/22/2025 08:35

Lab File ID: VY022380.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.113	2.234		5.73	20
m/p-Xylenes	0.796	0.849		6.66	20
o-Xylene	0.753	0.791		5.05	20
Styrene	1.270	1.325		4.33	20
Bromoform	0.209	0.212	0.1	1.43	20
Isopropylbenzene	4.142	4.432		7	20
1,1,2,2-Tetrachloroethane	0.637	0.657	0.3	3.14	20
1,3-Dichlorobenzene	1.806	1.920		6.31	20
1,4-Dichlorobenzene	1.737	1.831		5.41	20
1,2-Dichlorobenzene	1.517	1.600		5.47	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.937		6.96	20
1,2,3-Trichlorobenzene	0.743	0.779		4.84	20
1,2-Dichloroethane-d4	0.546	0.561		2.75	20
Dibromofluoromethane	0.298	0.318		6.71	20
Toluene-d8	1.222	1.298		6.22	20
4-Bromofluorobenzene	0.387	0.387		0	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\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	161495	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	274168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	110586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90668	51.370	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.740%			
35) Dibromofluoromethane	7.646	113	87280	53.337	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.115	98	355941	53.110	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.408	95	105997	49.898	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	82650	49.047	ug/l	99
3) Chloromethane	2.074	50	176433	49.773	ug/l	96
4) Vinyl Chloride	2.208	62	234408	59.188	ug/l	97
5) Bromomethane	2.605	94	194171	60.227	ug/l	96
6) Chloroethane	2.745	64	160268	65.048	ug/l	98
7) Trichlorofluoromethane	3.068	101	216108	53.896	ug/l	95
8) Diethyl Ether	3.470	74	48567	50.471	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	96945	55.692	ug/l	98
10) Methyl Iodide	4.019	142	112522	55.849	ug/l	99
11) Tert butyl alcohol	4.885	59	30628	227.243	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	93099	53.894	ug/l	96
13) Acrolein	3.665	56	21575	109.497	ug/l	98
14) Allyl chloride	4.397	41	143029	47.221	ug/l	94
15) Acrylonitrile	5.074	53	96693	243.864	ug/l	100
16) Acetone	3.879	43	77883	235.333	ug/l	99
17) Carbon Disulfide	4.117	76	291563	51.759	ug/l	98
18) Methyl Acetate	4.403	43	49022	46.981	ug/l	94
19) Methyl tert-butyl Ether	5.135	73	245795	51.604	ug/l	96
20) Methylene Chloride	4.629	84	99182	46.380	ug/l	95
21) trans-1,2-Dichloroethene	5.135	96	101691	53.333	ug/l	91
22) Diisopropyl ether	6.031	45	310912	48.607	ug/l	97
23) Vinyl Acetate	5.976	43	899140	232.677	ug/l	98
24) 1,1-Dichloroethane	5.927	63	186582	52.212	ug/l	98
25) 2-Butanone	6.909	43	124712	225.284	ug/l	99
26) 2,2-Dichloropropane	6.896	77	172279	54.202	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	119734	54.417	ug/l	97
28) Bromochloromethane	7.256	49	79145	51.923	ug/l	94
29) Tetrahydrofuran	7.274	42	80994	227.418	ug/l	94
30) Chloroform	7.433	83	186842	54.509	ug/l	99
31) Cyclohexane	7.713	56	173130	48.489	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	170179	54.115	ug/l	99
36) 1,1-Dichloropropene	7.848	75	141766	52.597	ug/l	98
37) Ethyl Acetate	6.994	43	57919	44.661	ug/l	96
38) Carbon Tetrachloride	7.829	117	150177	53.827	ug/l	98
39) Methylcyclohexane	9.122	83	190360	52.569	ug/l	94
40) Benzene	8.091	78	424335	53.106	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	39078m	45.426	ug/l	
42) 1,2-Dichloroethane	8.171	62	108617	50.267	ug/l	100
43) Isopropyl Acetate	8.207	43	128391	45.395	ug/l #	85
44) Trichloroethene	8.878	130	105676	53.190	ug/l	98
45) 1,2-Dichloropropane	9.152	63	99132	51.460	ug/l	95
46) Dibromomethane	9.238	93	53943	51.917	ug/l	99
47) Bromodichloromethane	9.433	83	140915	52.278	ug/l	100
48) Methyl methacrylate	9.231	41	58854	44.496	ug/l	93
49) 1,4-Dioxane	9.238	88	11678	994.901	ug/l	88
51) 4-Methyl-2-Pentanone	10.006	43	315171	227.107	ug/l	96
52) Toluene	10.176	92	268178	53.002	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	131043	49.816	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	154811	51.367	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	67471	50.711	ug/l	98
56) Ethyl methacrylate	10.445	69	101892	49.163	ug/l	95
57) 1,3-Dichloropropane	10.725	76	121474	51.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	247160	265.693	ug/l	97
59) 2-Hexanone	10.768	43	206922	222.384	ug/l	95
60) Dibromochloromethane	10.920	129	90531	52.423	ug/l	99
61) 1,2-Dibromoethane	11.024	107	64690	52.166	ug/l	100
64) Tetrachloroethene	10.652	164	118077	54.305	ug/l	97
65) Chlorobenzene	11.451	112	280913	52.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	94462	51.774	ug/l	99
67) Ethyl Benzene	11.524	91	525554	52.876	ug/l	99
68) m/p-Xylenes	11.633	106	399310	106.617	ug/l	96
69) o-Xylene	11.963	106	186099	52.518	ug/l	96
70) Styrene	11.975	104	311800	52.163	ug/l	98
71) Bromoform	12.139	173	49753	50.521	ug/l #	98
73) Isopropylbenzene	12.261	105	490162	53.502	ug/l	100
74) N-amyl acetate	12.078	43	119696	45.682	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	72647	51.561	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	55147m	49.223	ug/l	
77) Bromobenzene	12.542	156	102872	52.574	ug/l	97
78) n-propylbenzene	12.603	91	595455	53.885	ug/l	100
79) 2-Chlorotoluene	12.688	91	318579	52.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	390755	52.837	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	25898	46.827	ug/l	96
82) 4-Chlorotoluene	12.786	91	325243	52.070	ug/l	99
83) tert-Butylbenzene	13.005	119	353926	53.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	389894	53.109	ug/l	100
85) sec-Butylbenzene	13.182	105	534707	54.800	ug/l	100
86) p-Isopropyltoluene	13.298	119	450850	54.938	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	212275	53.142	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	202502	52.704	ug/l	99
89) n-Butylbenzene	13.621	91	429840	55.365	ug/l	100
90) Hexachloroethane	13.883	117	87959	53.097	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	176961	52.741	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11556	50.863	ug/l	93
93) 1,2,4-Trichlorobenzene	14.926	180	103673	53.492	ug/l	98
94) Hexachlorobutadiene	15.029	225	57263	52.980	ug/l	99
95) Naphthalene	15.151	128	187535	50.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	86200	52.428	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
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 :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

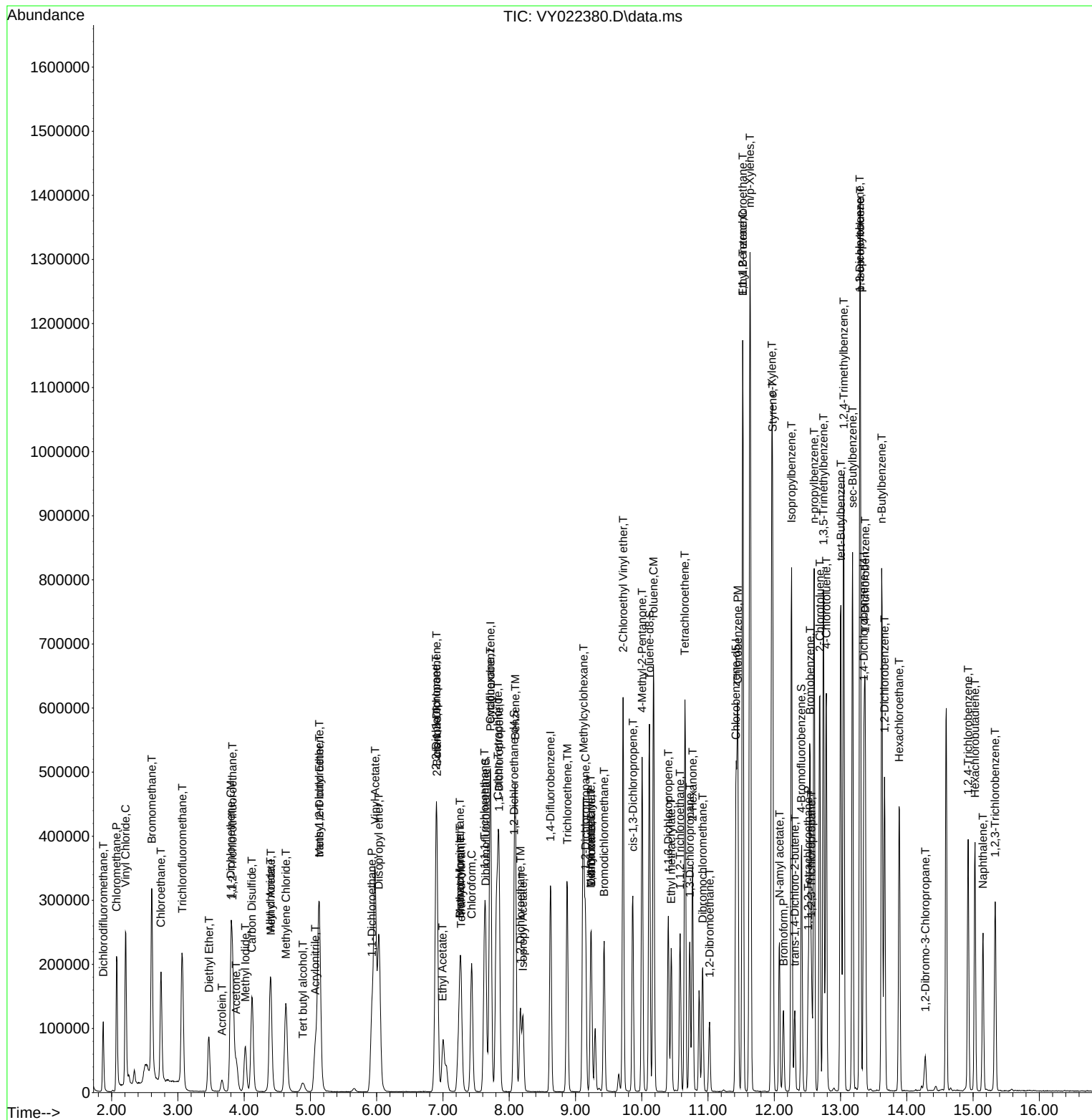
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDC0050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

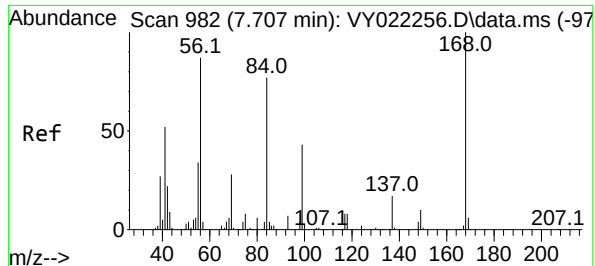
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

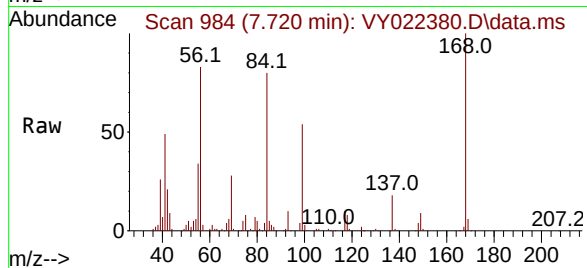
Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

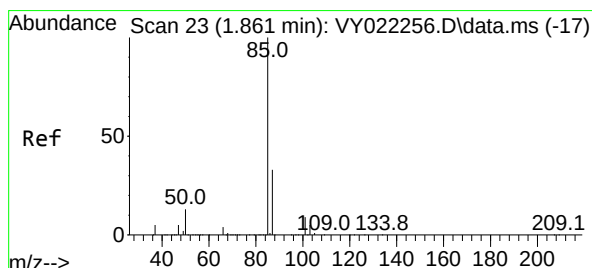
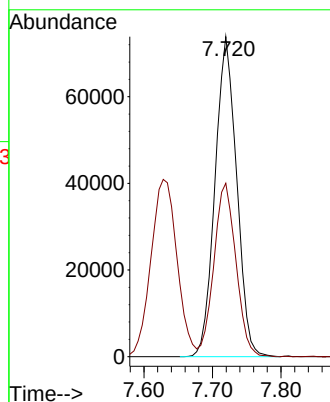
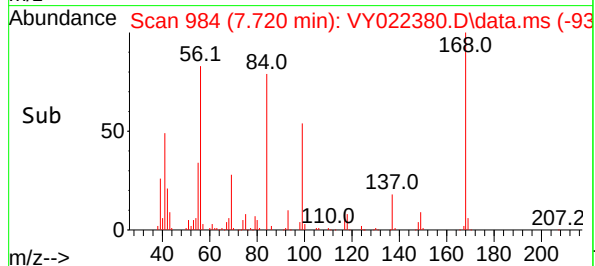
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 16149
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4

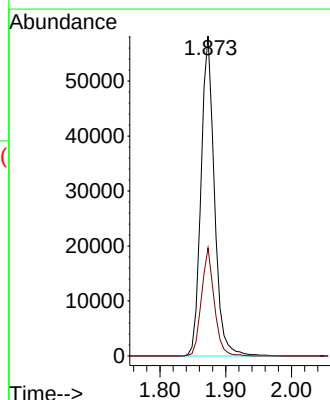
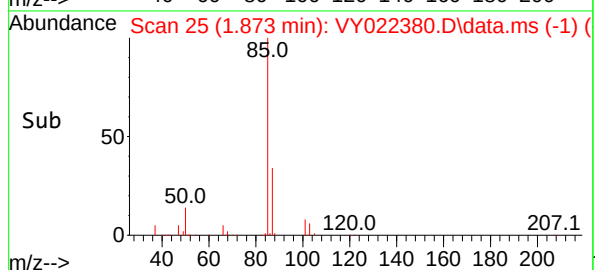
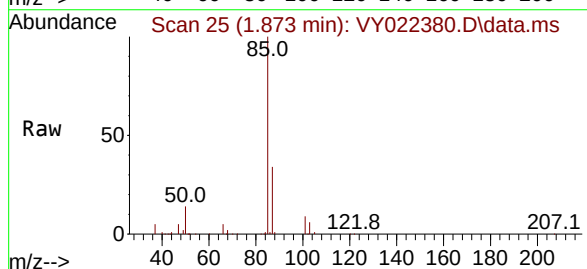
Manual Integrations
APPROVED

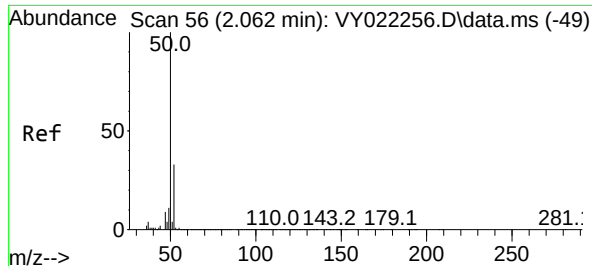
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 49.047 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

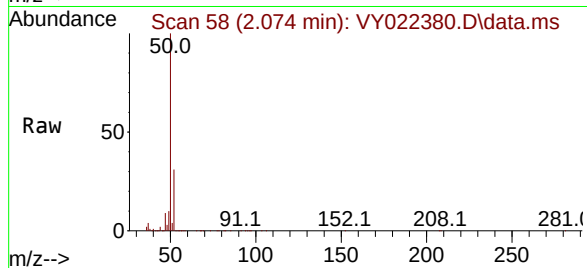
Tgt Ion: 85 Resp: 82650
Ion Ratio Lower Upper
85 100
87 33.8 16.5 49.5





#3
Chloromethane
Concen: 49.773 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

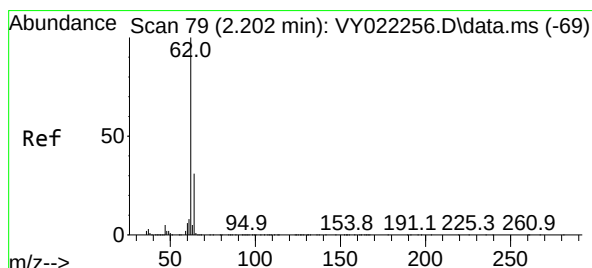
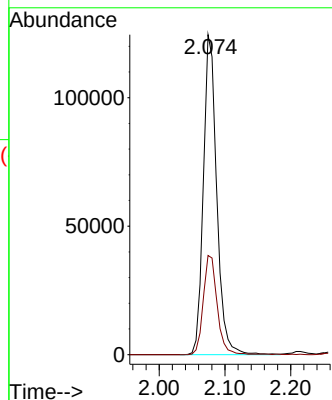
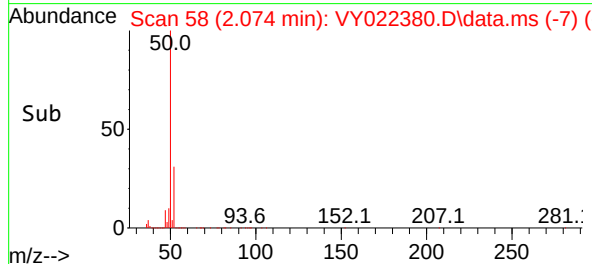
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 176433
Ion Ratio Lower Upper
50 100
52 31.0 26.5 39.7

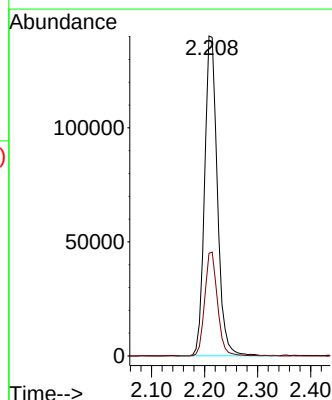
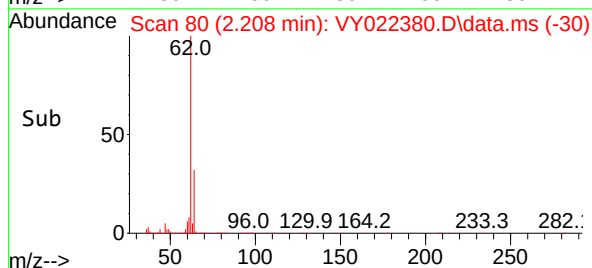
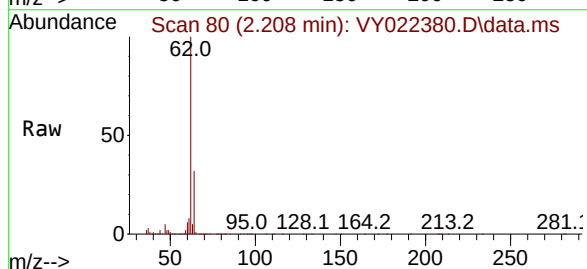
Manual Integrations
APPROVED

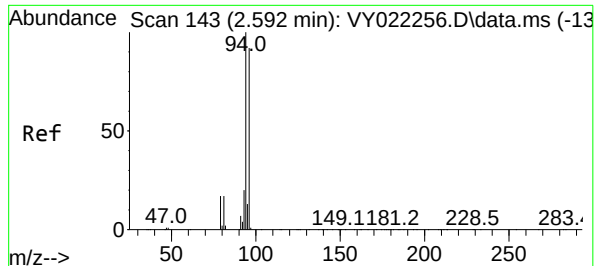
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#4
Vinyl Chloride
Concen: 59.188 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

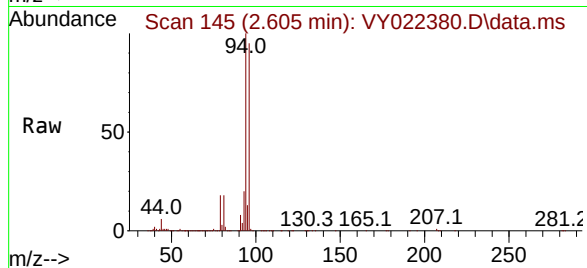
Tgt Ion: 62 Resp: 234408
Ion Ratio Lower Upper
62 100
64 32.1 24.5 36.7





#5
Bromomethane
Concen: 60.227 ug/l
RT: 2.605 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

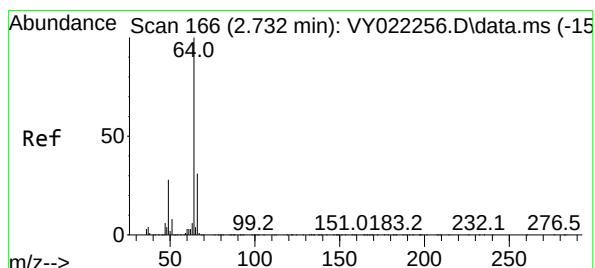
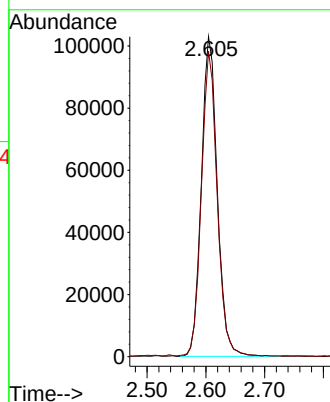
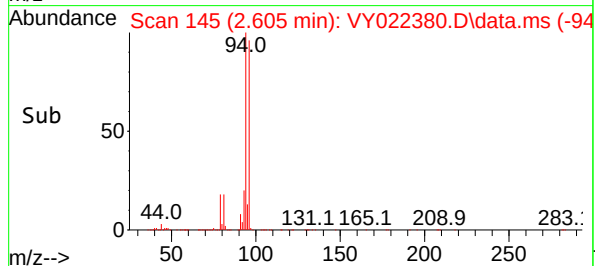
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



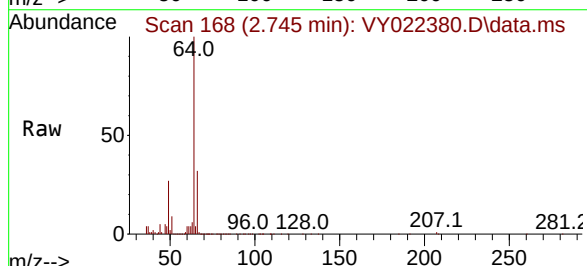
Tgt Ion: 94 Resp: 19417
Ion Ratio Lower Upper
94 100
96 95.4 73.4 110.0

Manual Integrations
APPROVED

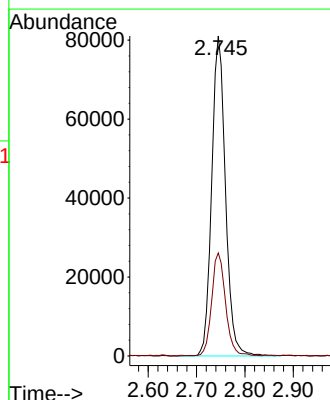
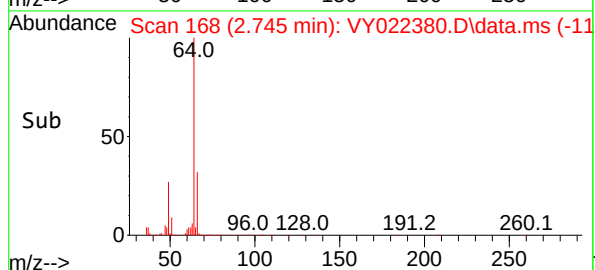
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

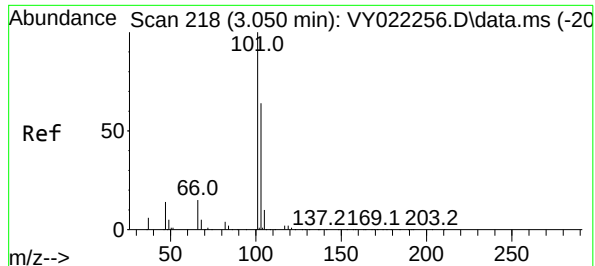


#6
Chloroethane
Concen: 65.048 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



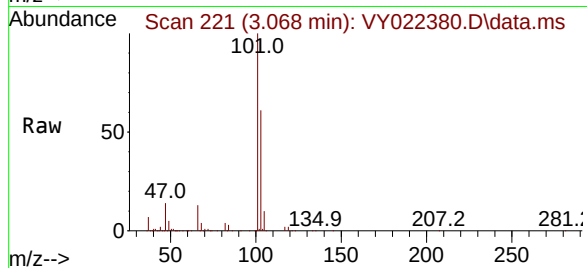
Tgt Ion: 64 Resp: 160268
Ion Ratio Lower Upper
64 100
66 32.0 24.8 37.2





#7
 Trichlorofluoromethane
 Concen: 53.896 ug/l
 RT: 3.068 min Scan# 218
 Delta R.T. 0.018 min
 Lab File: VY022380.D
 Acq: 22 May 2025 08:35

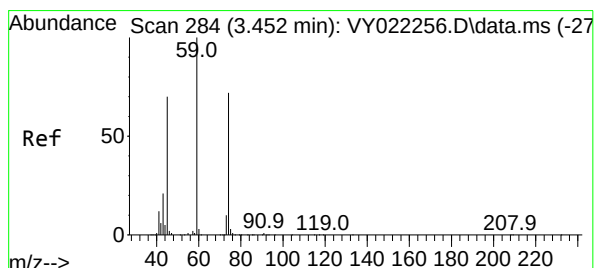
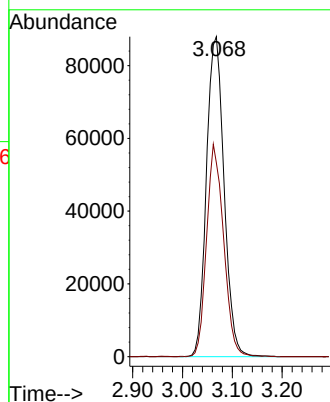
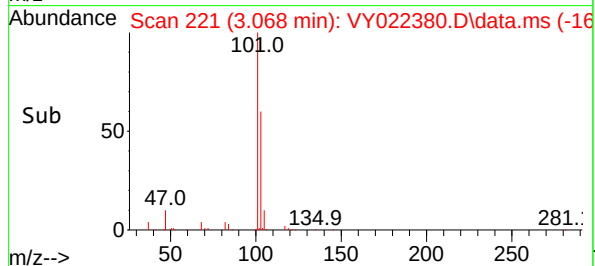
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



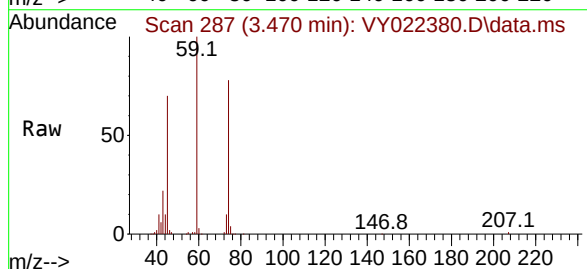
Tgt Ion:101 Resp: 216108
 Ion Ratio Lower Upper
 101 100
 103 60.6 51.7 77.5

Manual Integrations
 APPROVED

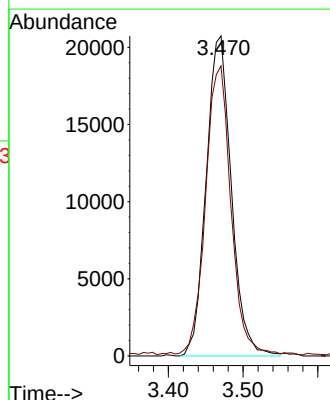
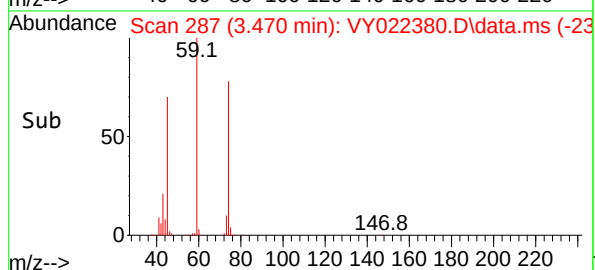
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

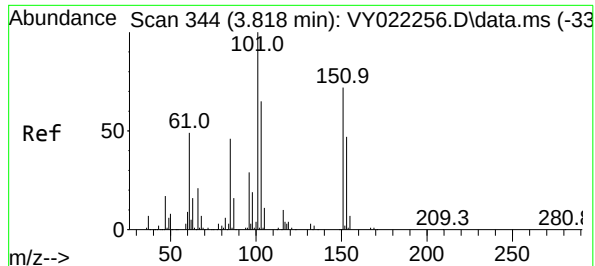


#8
 Diethyl Ether
 Concen: 50.471 ug/l
 RT: 3.470 min Scan# 287
 Delta R.T. 0.018 min
 Lab File: VY022380.D
 Acq: 22 May 2025 08:35



Tgt Ion: 74 Resp: 48567
 Ion Ratio Lower Upper
 74 100
 45 91.3 48.6 145.8





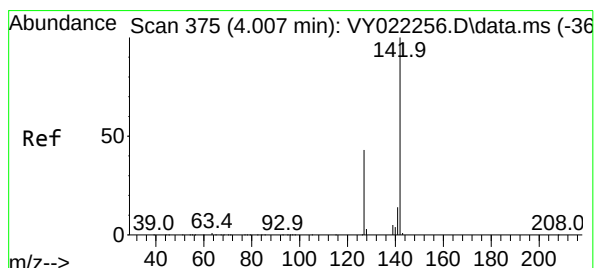
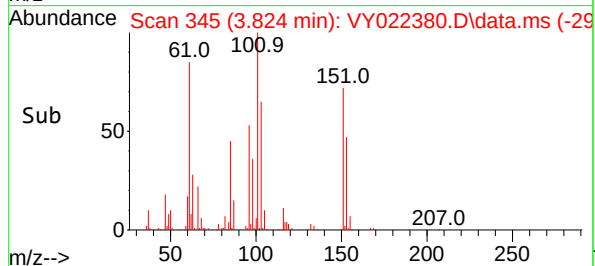
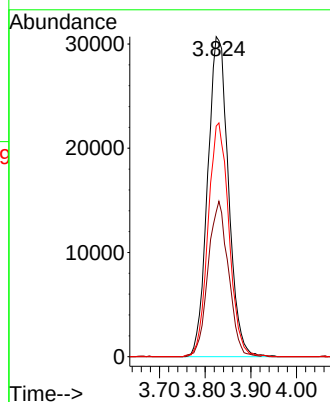
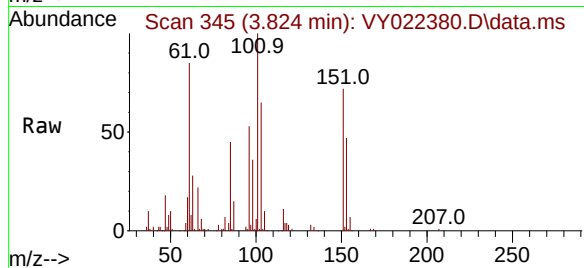
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.692 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96945
Ion Ratio Lower Upper
101 100
85 47.5 38.6 58.0
151 73.1 59.7 89.5

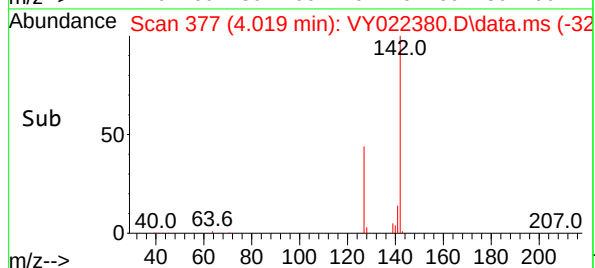
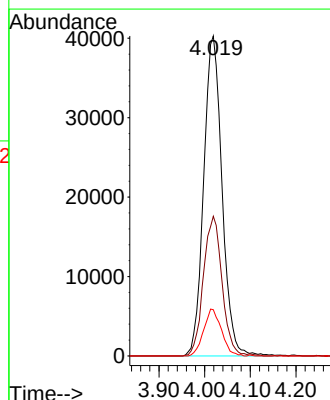
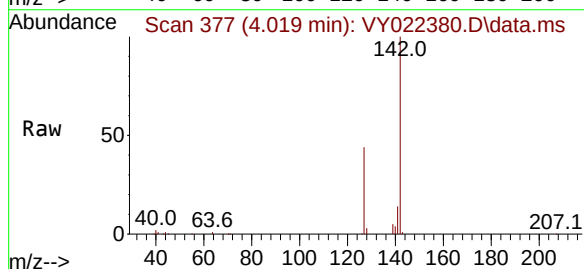
Manual Integrations
APPROVED

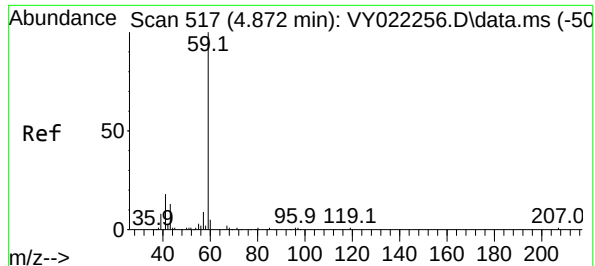
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#10
Methyl Iodide
Concen: 55.849 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:142 Resp: 112522
Ion Ratio Lower Upper
142 100
127 44.3 35.7 53.5
141 14.1 11.1 16.7





#11

Tert butyl alcohol

Concen: 227.243 ug/l

RT: 4.885 min Scan# 517

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 30628

Ion Ratio Lower Upper

59 100

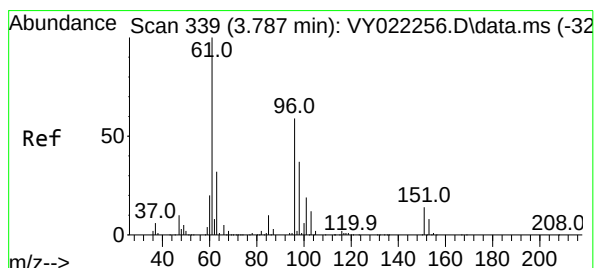
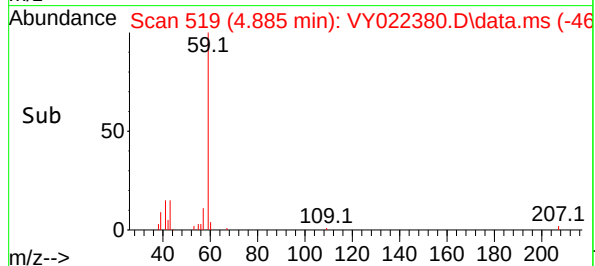
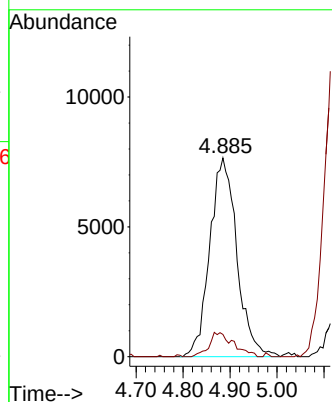
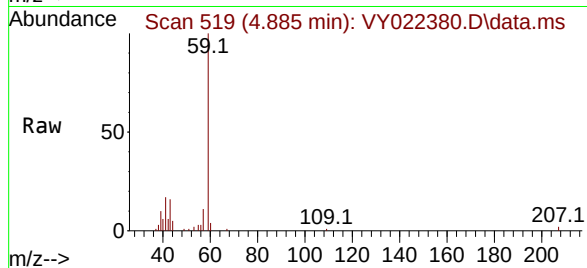
57 11.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#12

1,1-Dichloroethene

Concen: 53.894 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

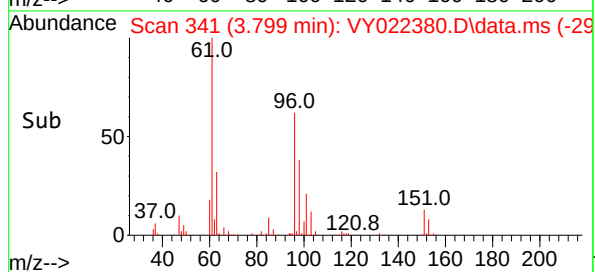
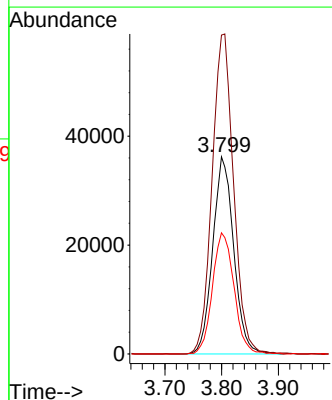
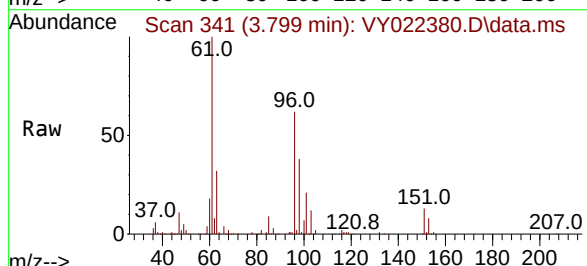
Tgt Ion: 96 Resp: 93099

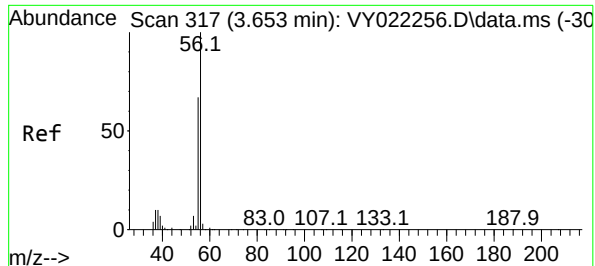
Ion Ratio Lower Upper

96 100

61 161.7 134.9 202.3

98 61.5 49.9 74.9





#13

Acrolein

Concen: 109.497 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 21579

Ion Ratio Lower Upper

56 100

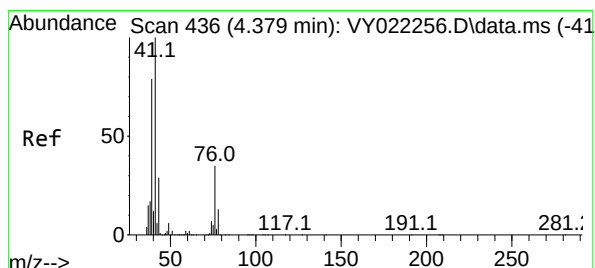
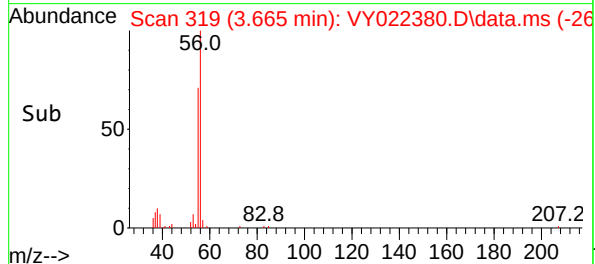
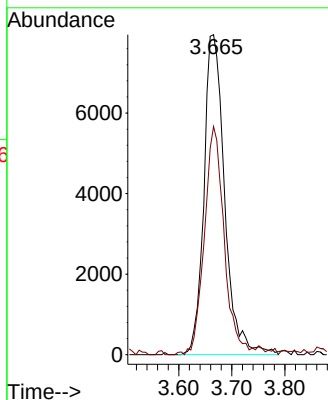
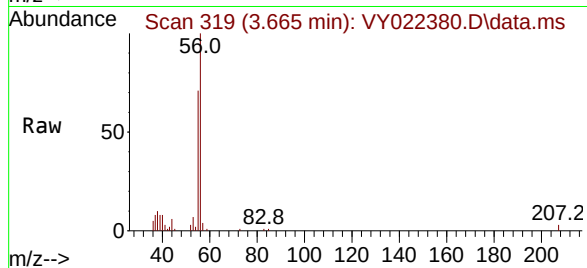
55 68.2 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#14

Allyl chloride

Concen: 47.221 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.018 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

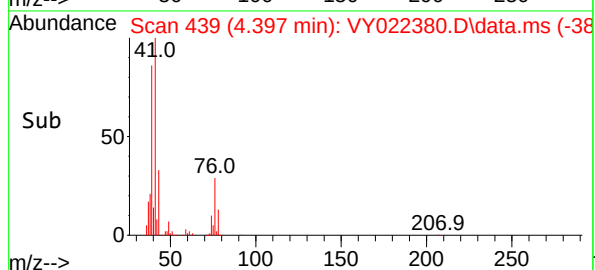
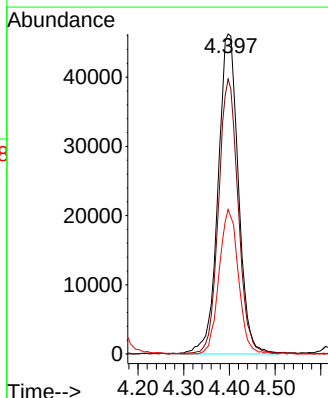
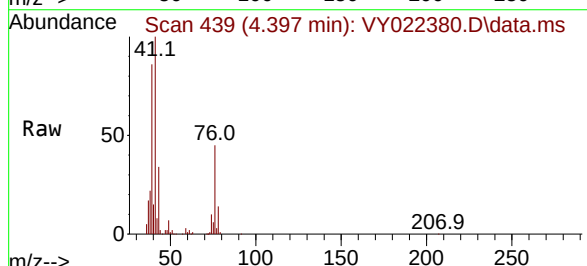
Tgt Ion: 41 Resp: 143029

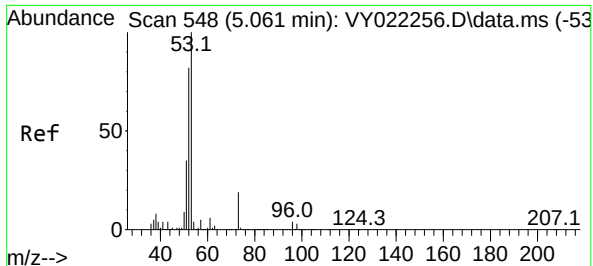
Ion Ratio Lower Upper

41 100

39 83.0 63.4 95.0

76 42.9 29.5 44.3





#15

Acrylonitrile

Concen: 243.864 ug/l

RT: 5.074 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 9669

Ion Ratio Lower Upper

53 100

52 82.5 66.1 99.1

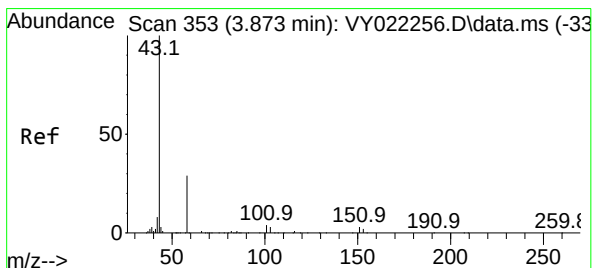
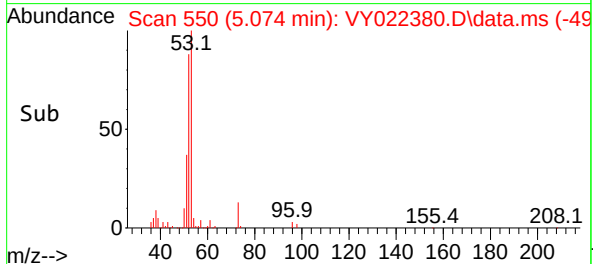
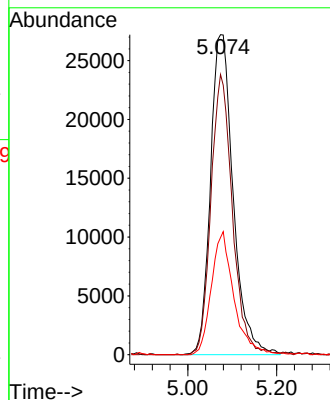
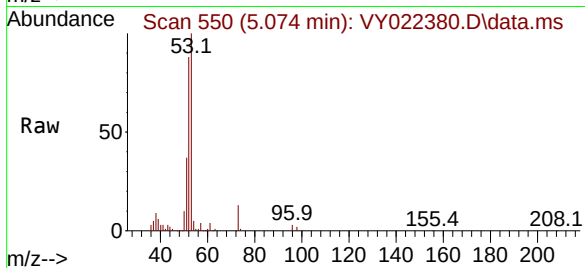
51 37.8 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#16

Acetone

Concen: 235.333 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.006 min

Lab File: VY022380.D

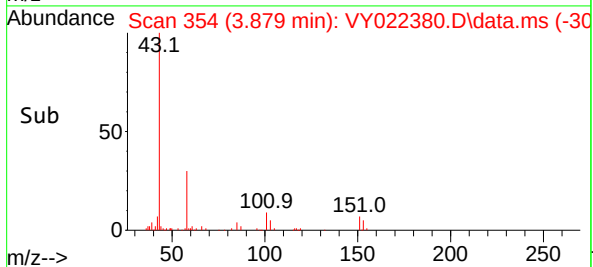
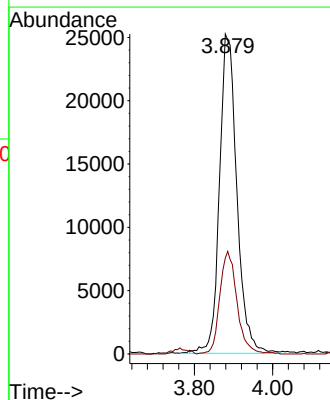
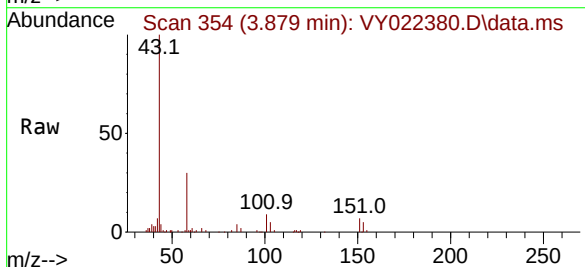
Acq: 22 May 2025 08:35

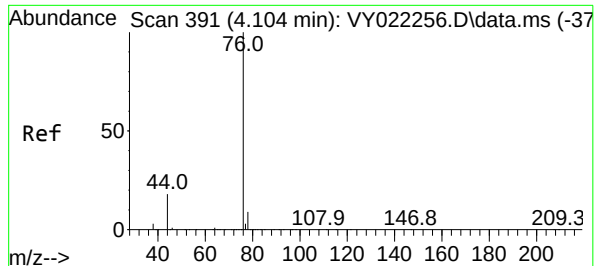
Tgt Ion: 43 Resp: 77883

Ion Ratio Lower Upper

43 100

58 30.1 23.6 35.4





#17

Carbon Disulfide

Concen: 51.759 ug/l

RT: 4.117 min Scan# 391

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 29156

Ion Ratio Lower Upper

76 100

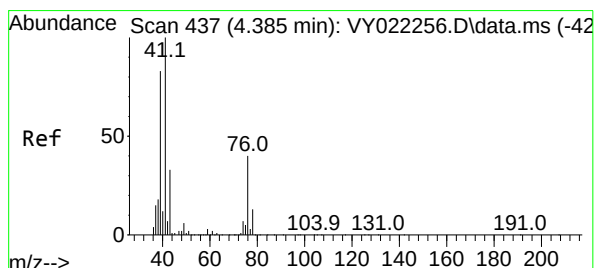
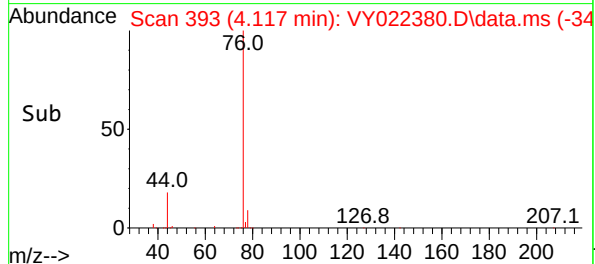
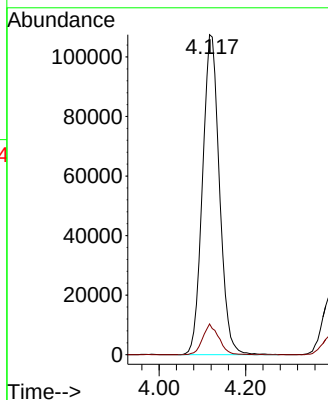
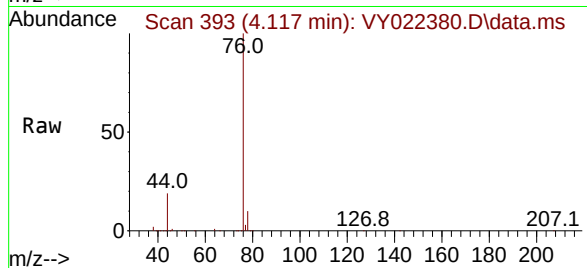
78 9.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#18

Methyl Acetate

Concen: 46.981 ug/l

RT: 4.403 min Scan# 440

Delta R.T. 0.018 min

Lab File: VY022380.D

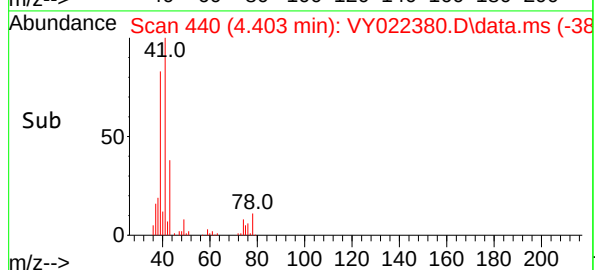
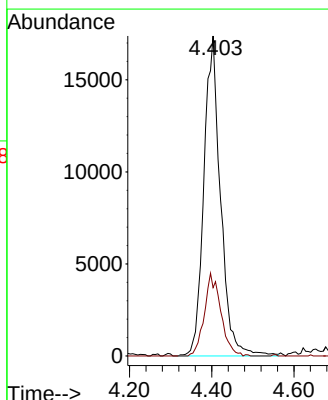
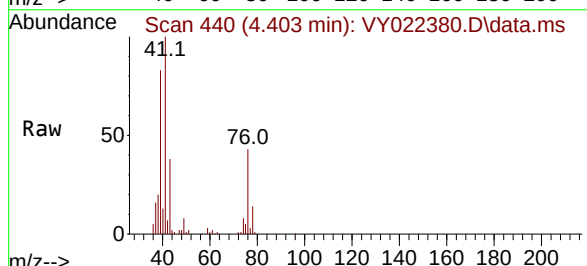
Acq: 22 May 2025 08:35

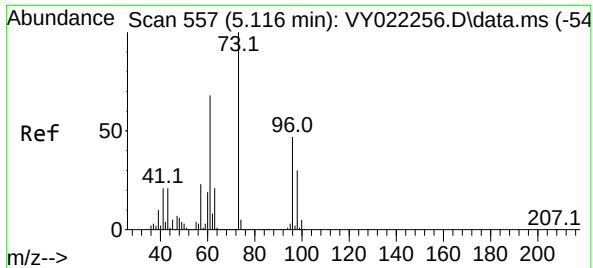
Tgt Ion: 43 Resp: 49022

Ion Ratio Lower Upper

43 100

74 25.5 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 51.604 ug/l

RT: 5.135 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 24579

Ion Ratio Lower Upper

73 100

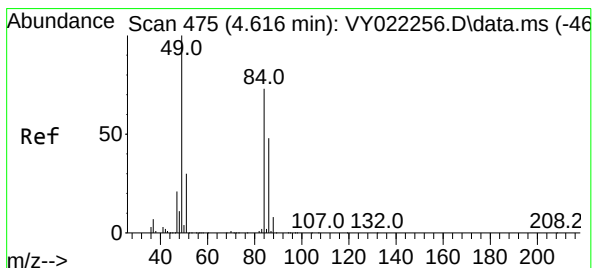
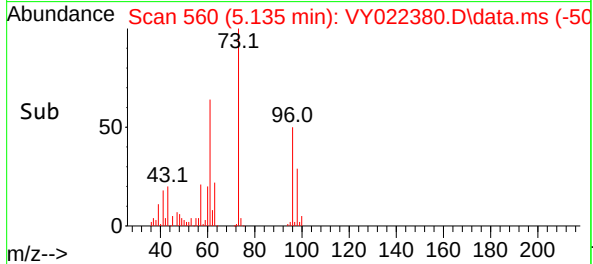
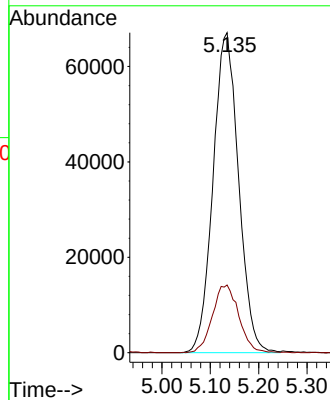
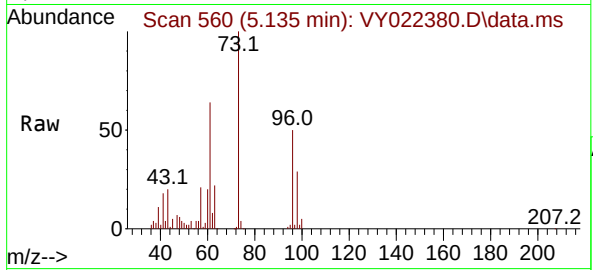
57 21.2 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#20

Methylene Chloride

Concen: 46.380 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Tgt Ion: 84 Resp: 99182

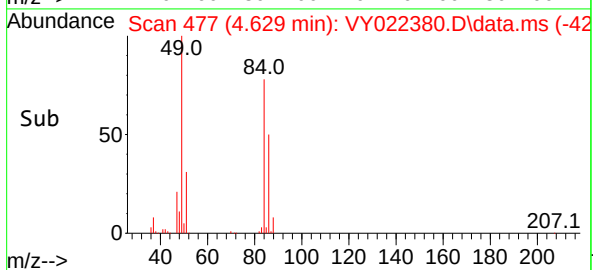
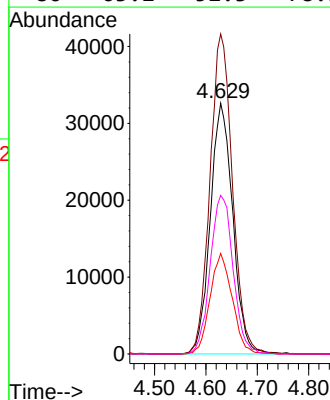
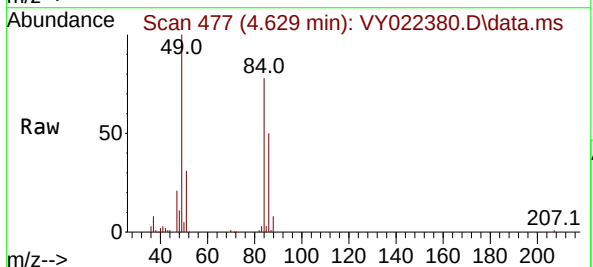
Ion Ratio Lower Upper

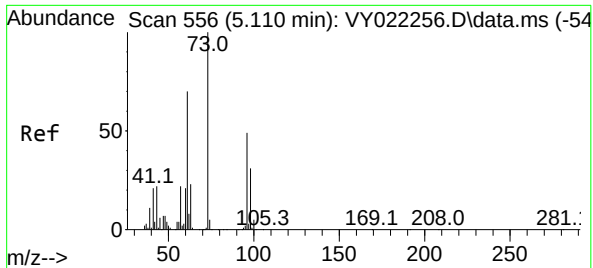
84 100

49 127.6 109.6 164.4

51 40.1 32.4 48.6

86 63.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.333 ug/l

RT: 5.135 min Scan# 50

Delta R.T. 0.025 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 10169

Ion Ratio Lower Upper

96 100

61 129.3 113.4 170.0

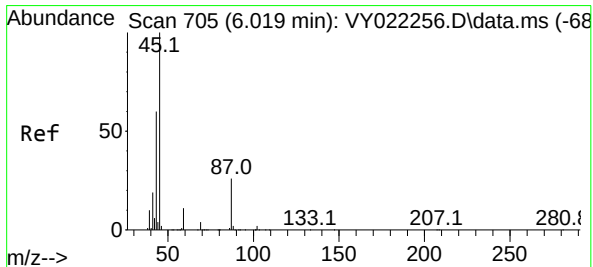
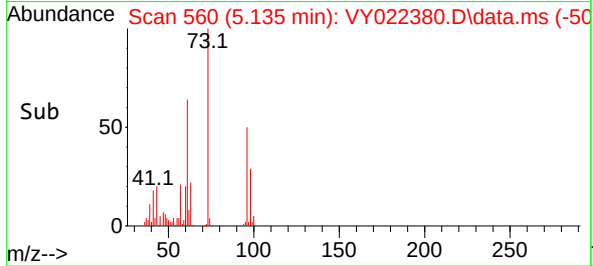
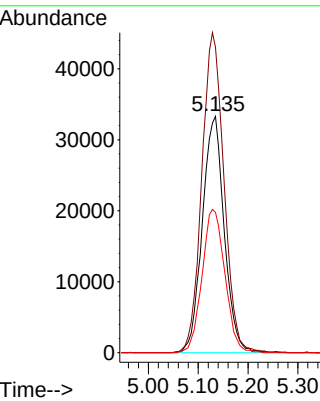
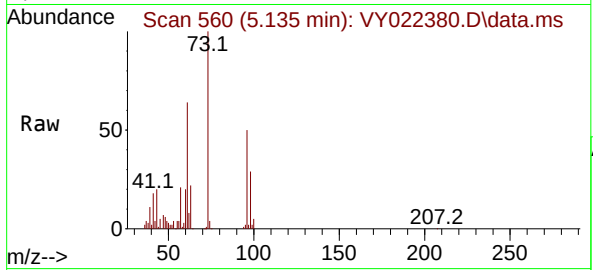
98 59.4 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#22

Diisopropyl ether

Concen: 48.607 ug/l

RT: 6.031 min Scan# 707

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Tgt Ion: 45 Resp: 310912

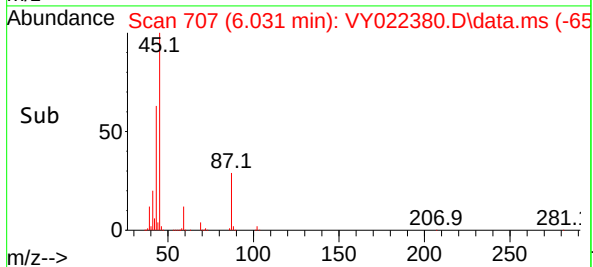
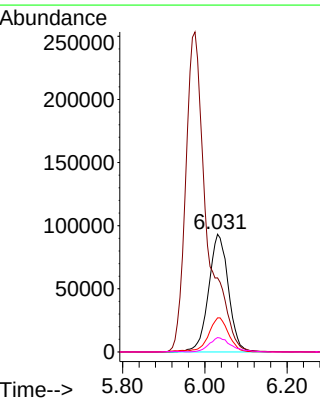
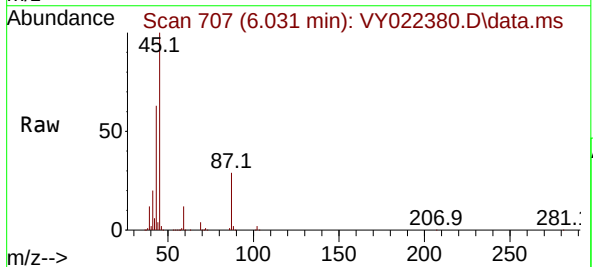
Ion Ratio Lower Upper

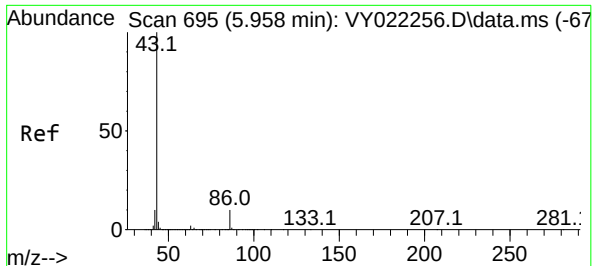
45 100

43 62.4 48.2 72.2

87 28.9 21.4 32.0

59 12.1 9.0 13.4





#23

Vinyl Acetate

Concen: 232.677 ug/l

RT: 5.976 min Scan# 695

Delta R.T. 0.018 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 899140

Ion Ratio Lower Upper

43

100

86

10.6

7.8

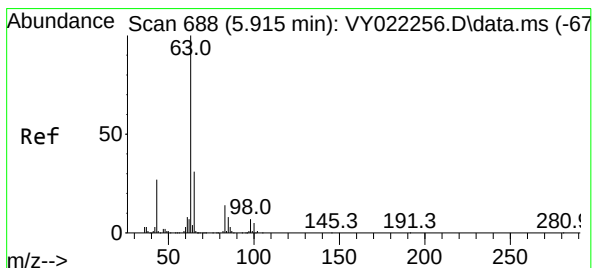
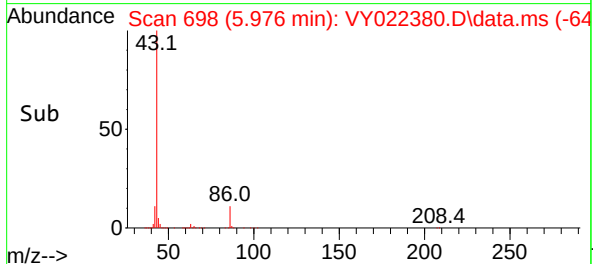
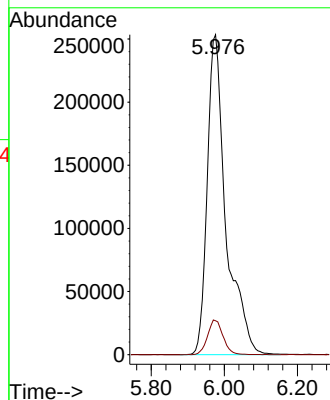
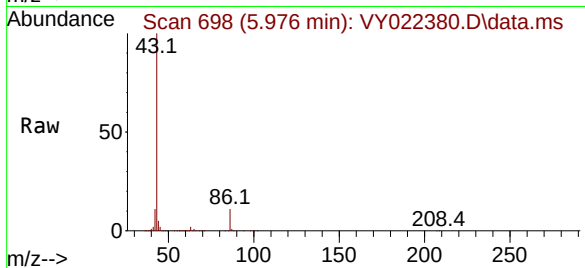
11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#24

1,1-Dichloroethane

Concen: 52.212 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Tgt Ion: 63 Resp: 186582

Ion Ratio Lower Upper

63

100

98

7.9

3.5

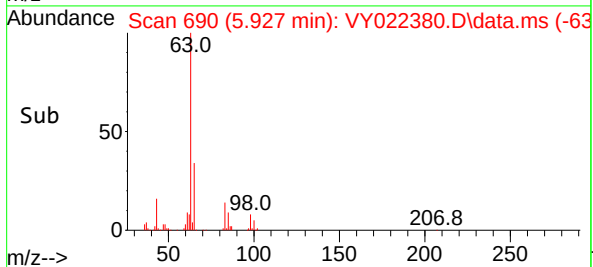
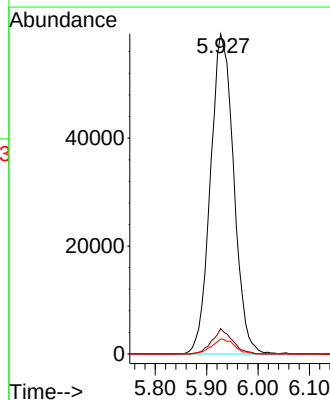
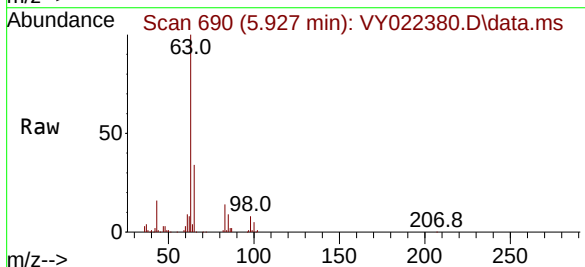
10.5

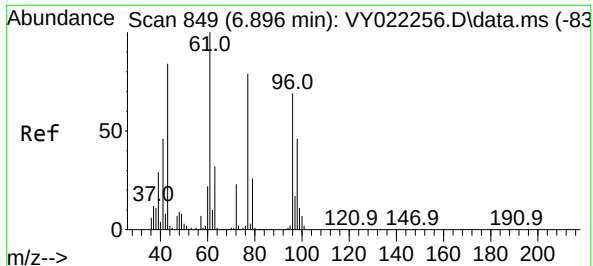
100

4.7

2.4

7.2





#25

2-Butanone

Concen: 225.284 ug/l

RT: 6.909 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12471

Ion Ratio Lower Upper

43 100

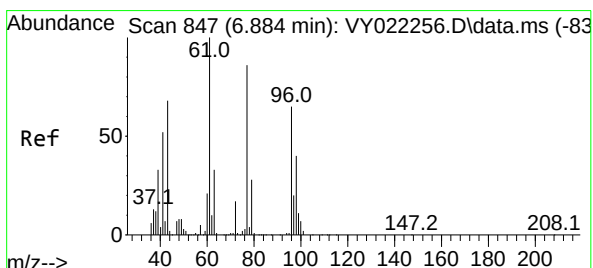
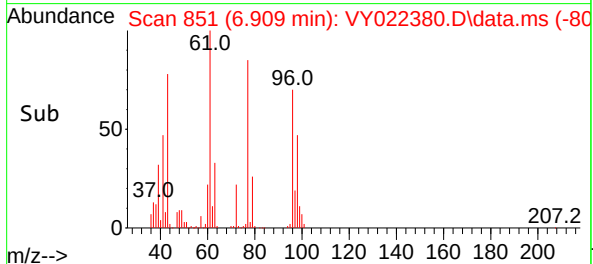
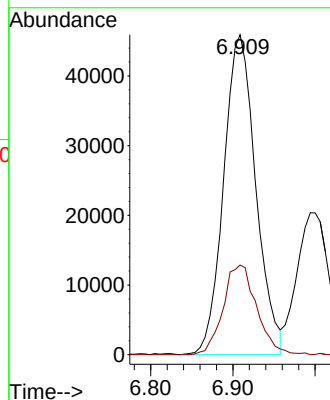
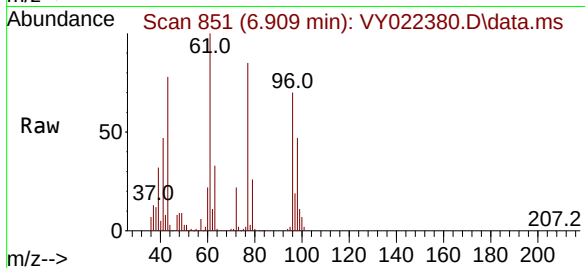
72 28.0 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#26

2,2-Dichloropropane

Concen: 54.202 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022380.D

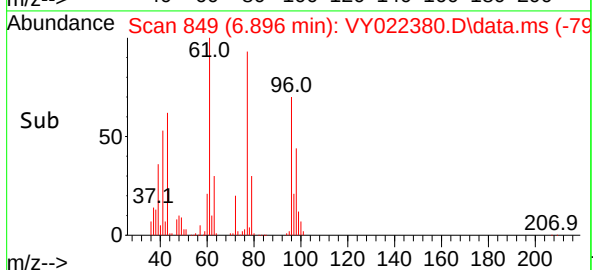
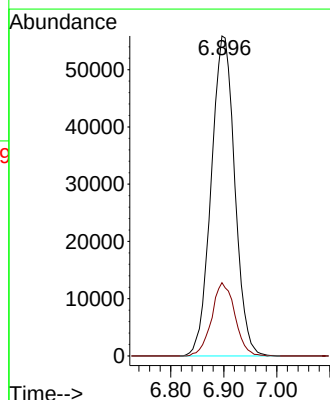
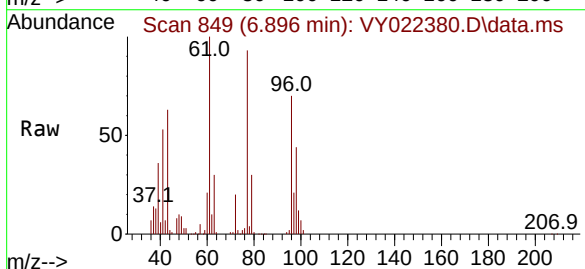
Acq: 22 May 2025 08:35

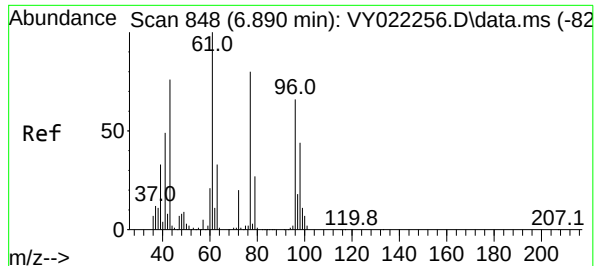
Tgt Ion: 77 Resp: 172279

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 54.417 ug/l

RT: 6.903 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 119734

Ion Ratio Lower Upper

96 100

61 146.1 0.0 302.6

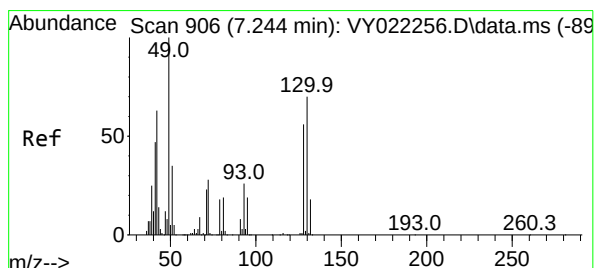
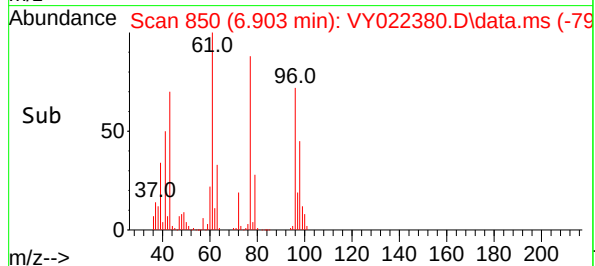
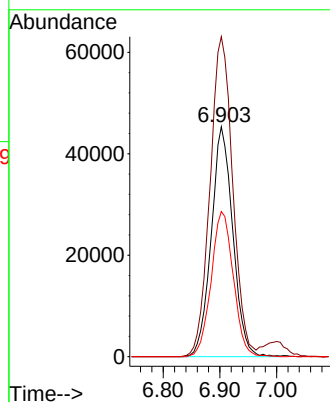
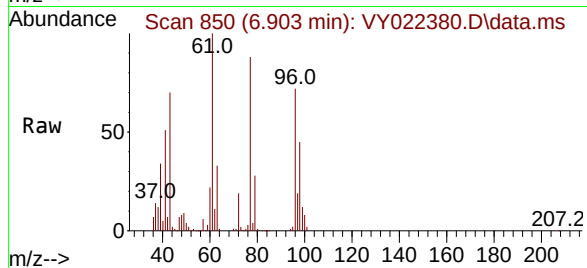
98 64.8 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#28

Bromochloromethane

Concen: 51.923 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

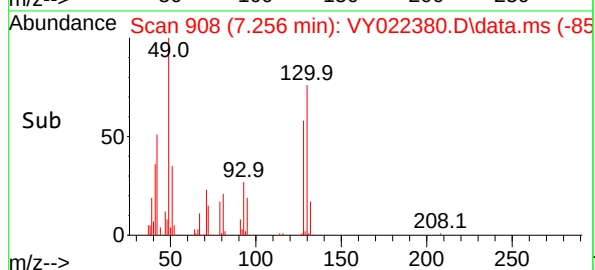
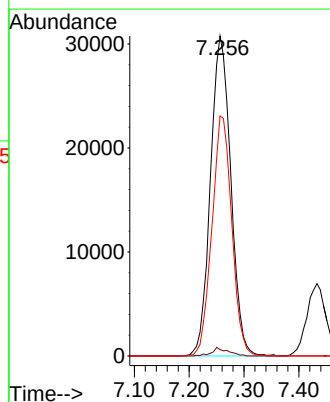
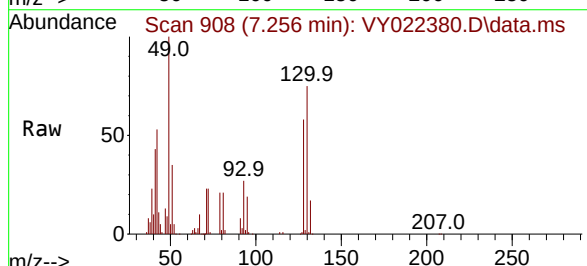
Tgt Ion: 49 Resp: 79145

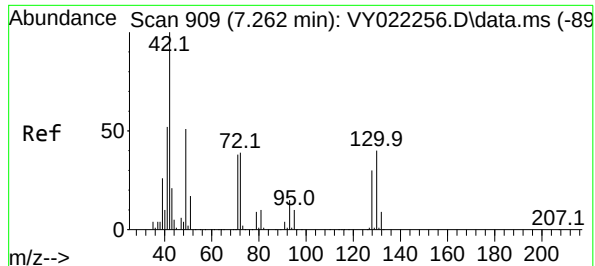
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.6

130 73.2 54.7 82.1





#29

Tetrahydrofuran

Concen: 227.418 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

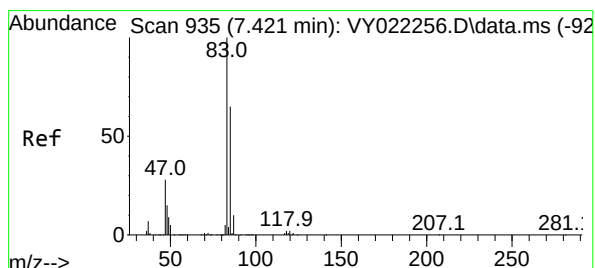
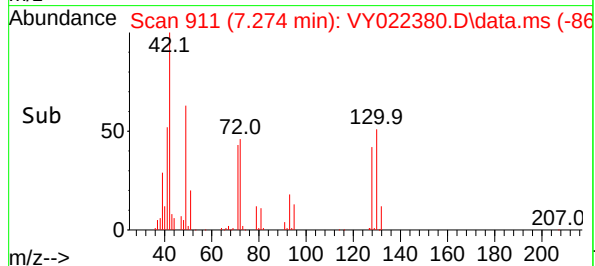
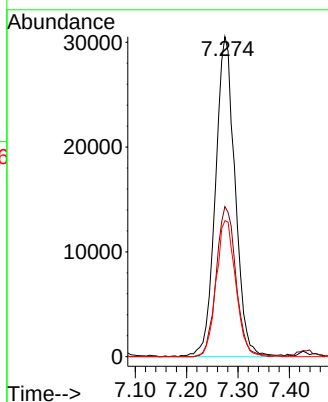
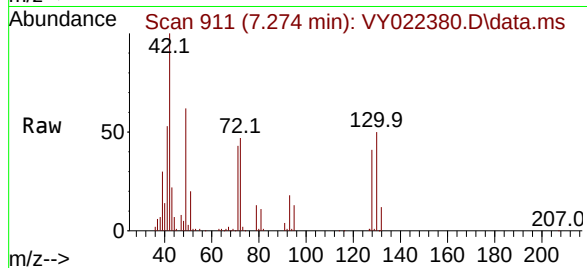
Tgt Ion:	42	Resp:	80994
Ion	Ratio	Lower	Upper
42	100		
72	47.2	33.8	50.6
71	42.5	31.5	47.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Chloroform

Concen: 54.509 ug/l

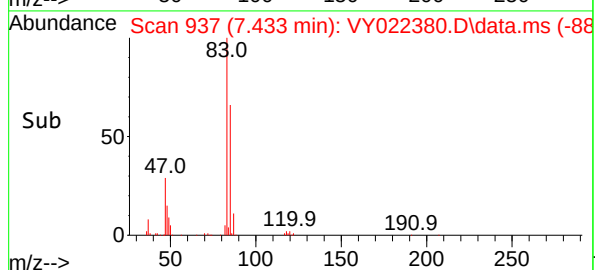
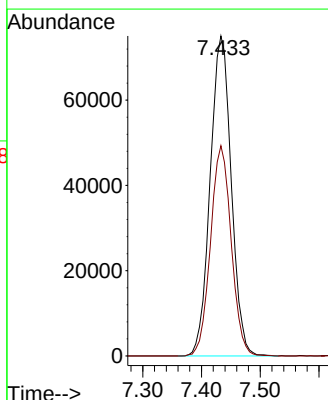
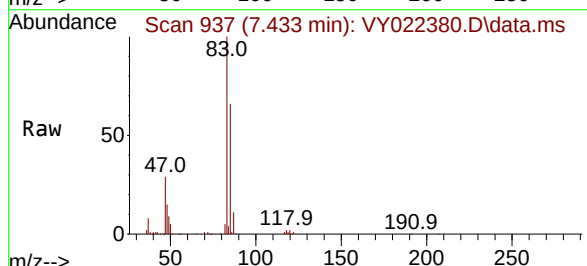
RT: 7.433 min Scan# 937

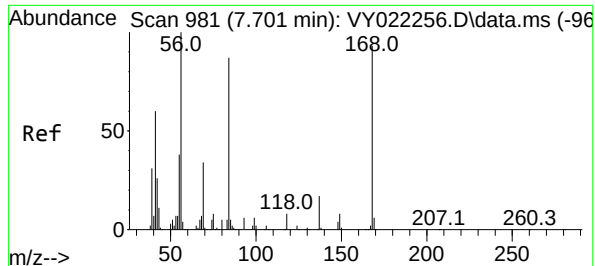
Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Tgt Ion:	83	Resp:	186842
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





#31

Cyclohexane

Concen: 48.489 ug/l

RT: 7.713 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 173130

Ion Ratio Lower Upper

56 100

69 31.1 27.4 41.2

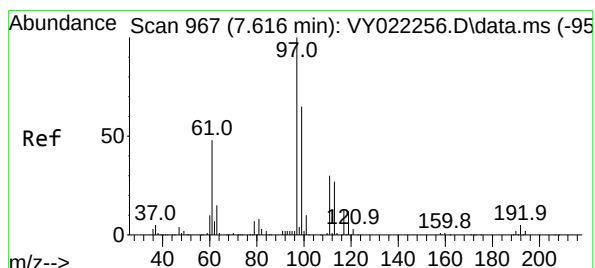
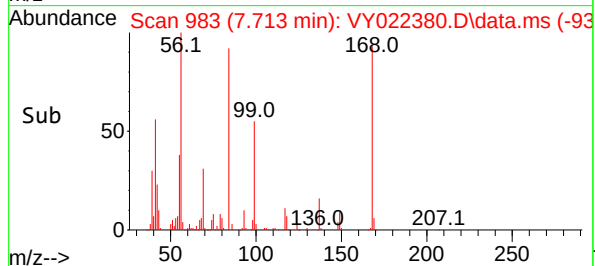
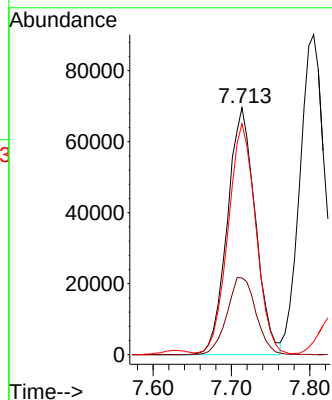
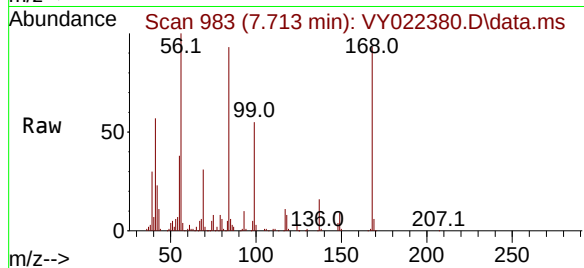
84 91.9 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#32

1,1,1-Trichloroethane

Concen: 54.115 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

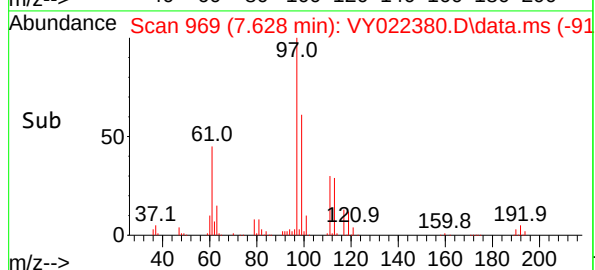
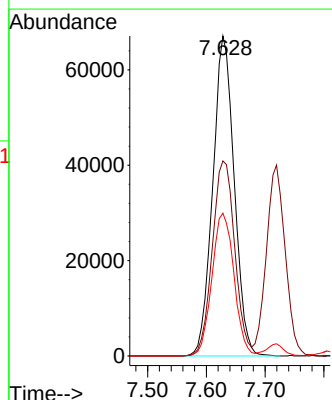
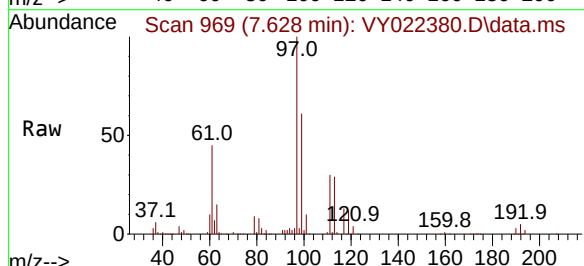
Tgt Ion: 97 Resp: 170179

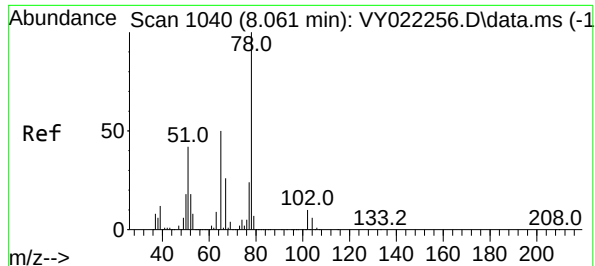
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 45.9 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 51.370 ug/l

RT: 8.073 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 90668

Ion Ratio Lower Upper

65 100

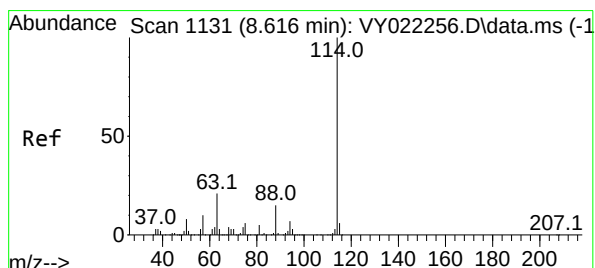
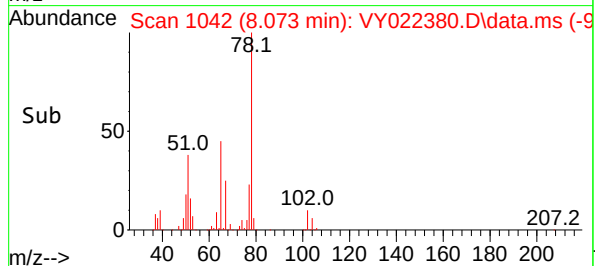
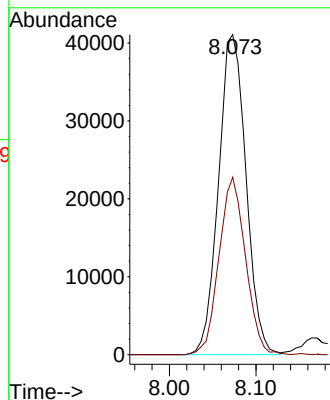
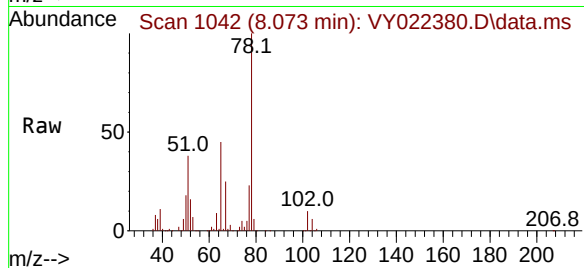
67 53.4 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

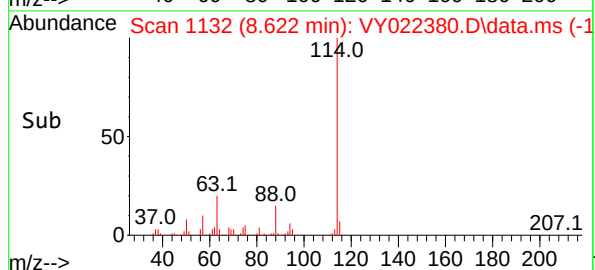
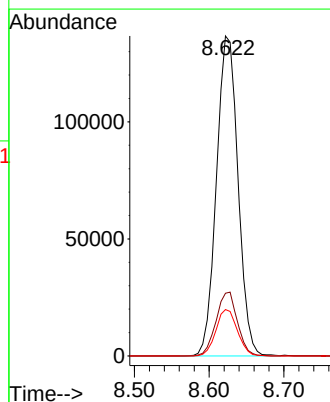
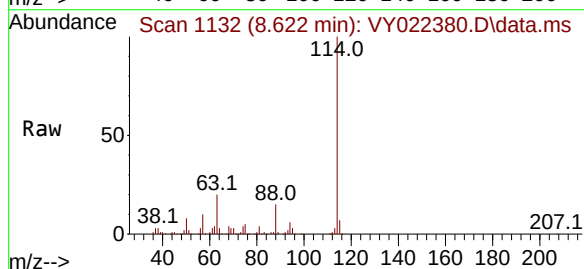
Tgt Ion:114 Resp: 274168

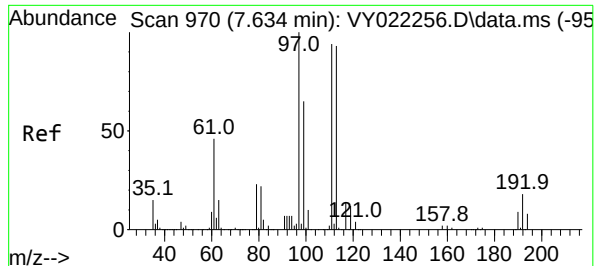
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 53.337 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 87280

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

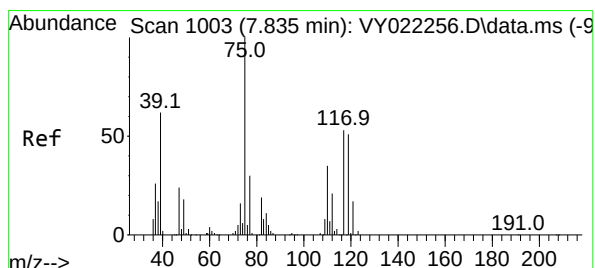
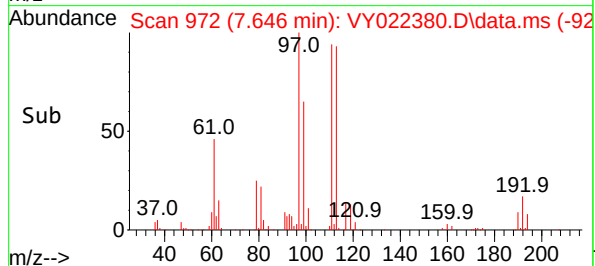
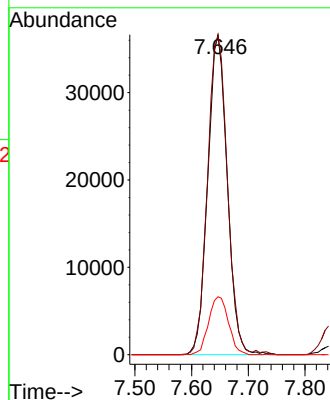
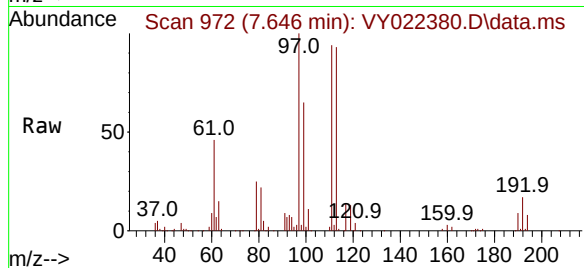
192 18.5 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#36

1,1-Dichloropropene

Concen: 52.597 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

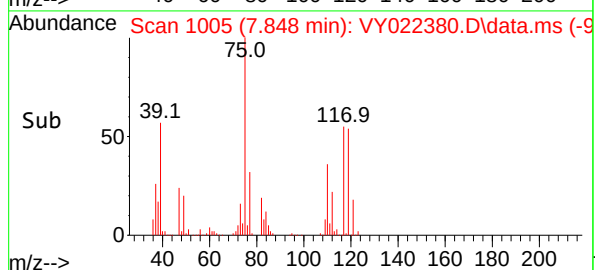
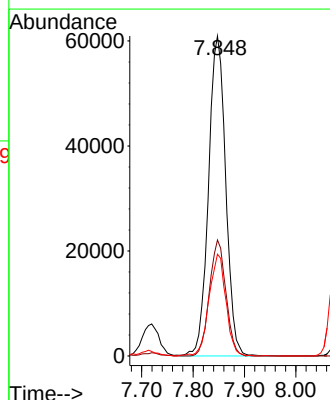
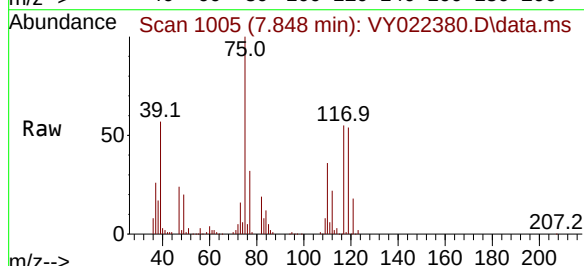
Tgt Ion: 75 Resp: 141766

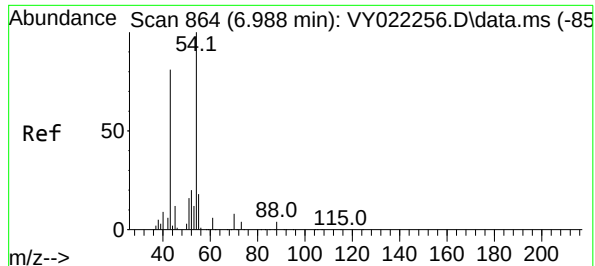
Ion Ratio Lower Upper

75 100

110 34.7 16.6 49.8

77 31.2 24.6 37.0





#37

Ethyl Acetate

Concen: 44.661 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 57919

Ion Ratio Lower Upper

43 100

61 14.9 10.2 15.2

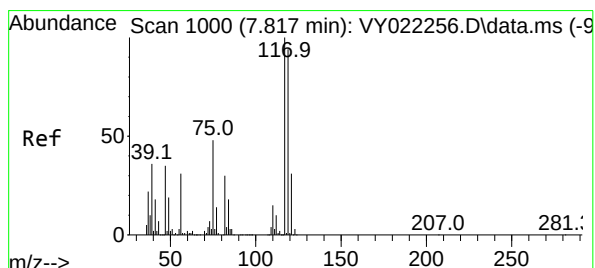
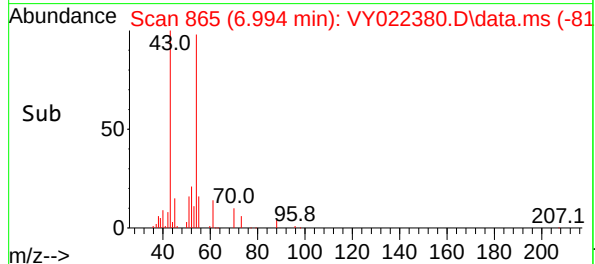
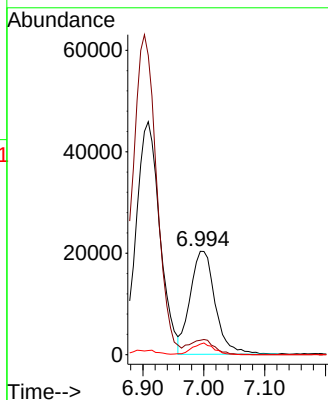
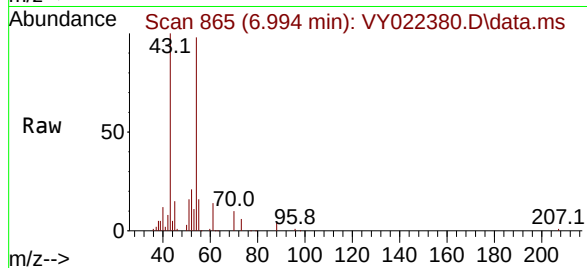
70 9.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Carbon Tetrachloride

Concen: 53.827 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

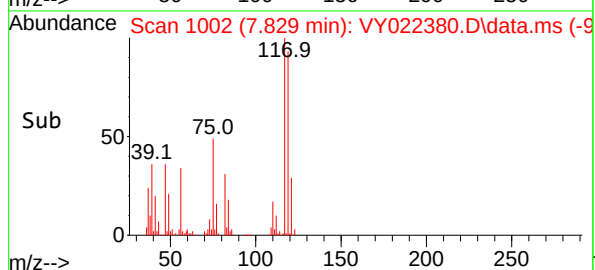
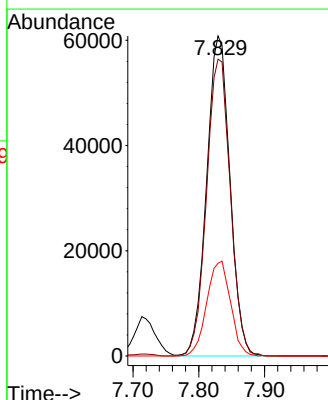
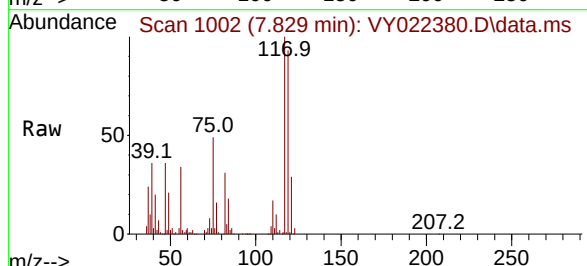
Tgt Ion:117 Resp: 150177

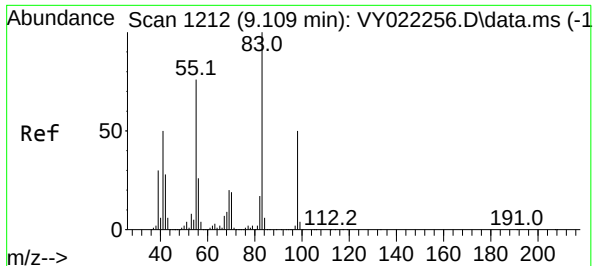
Ion Ratio Lower Upper

117 100

119 92.7 75.3 112.9

121 29.0 24.7 37.1





#39

Methylcyclohexane

Concen: 52.569 ug/l

RT: 9.122 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 190360

Ion Ratio Lower Upper

83 100

55 68.8 60.6 90.8

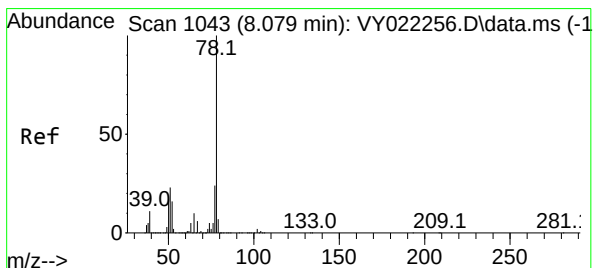
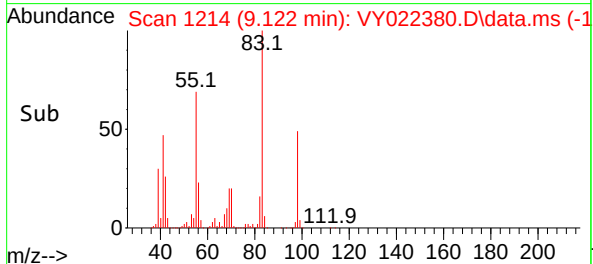
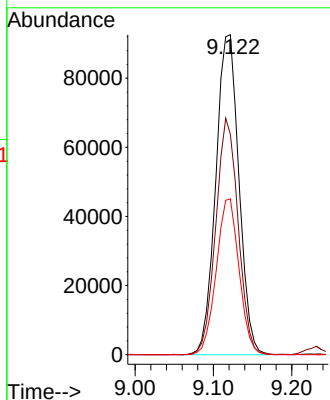
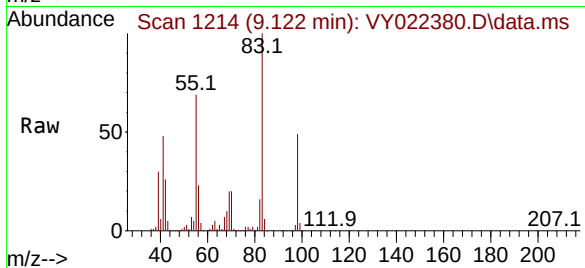
98 48.7 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#40

Benzene

Concen: 53.106 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022380.D

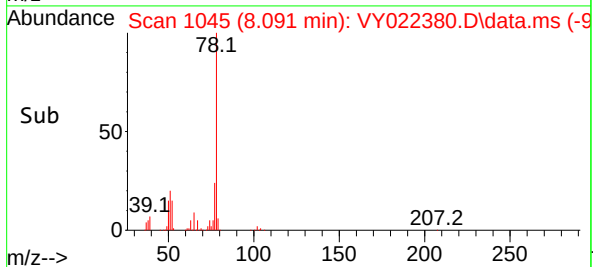
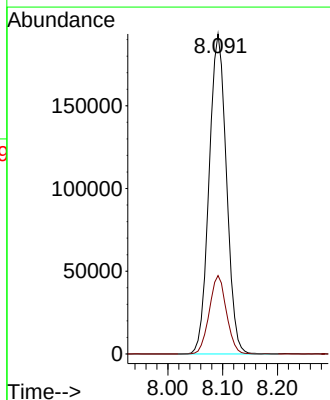
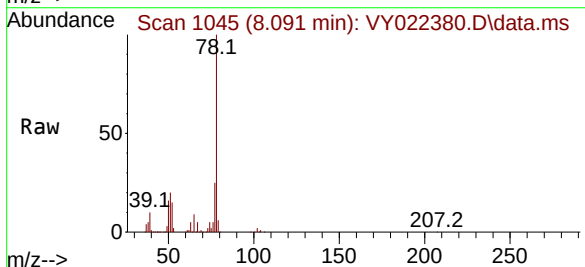
Acq: 22 May 2025 08:35

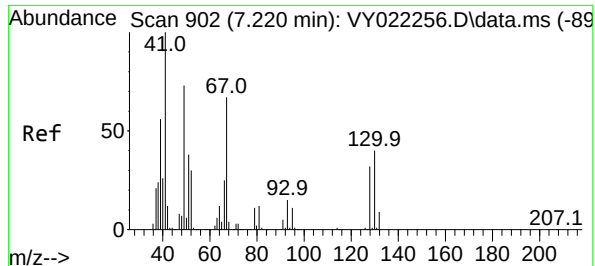
Tgt Ion: 78 Resp: 424335

Ion Ratio Lower Upper

78 100

77 24.5 18.9 28.3





#41

Methacrylonitrile

Concen: 45.426 ug/l m

RT: 7.256 min Scan# 902

Delta R.T. 0.037 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 39078

Ion Ratio Lower Upper

41 100

39 42.8 39.1 58.7

67 67.6 47.1 70.7

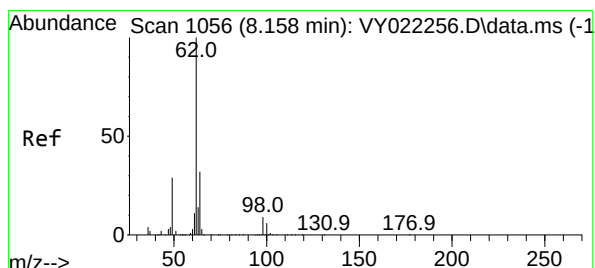
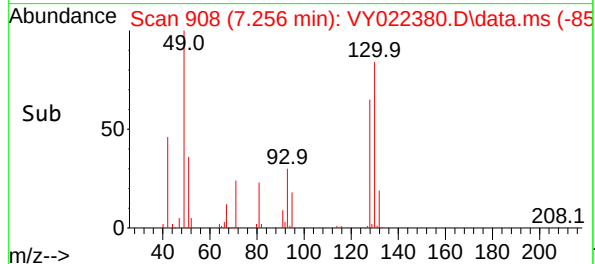
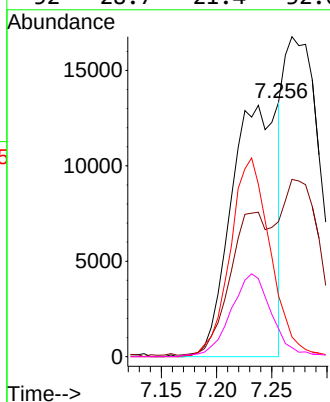
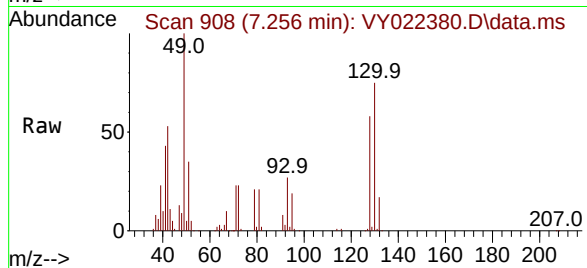
52 28.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#42

1,2-Dichloroethane

Concen: 50.267 ug/l

RT: 8.171 min Scan# 1058

Delta R.T. 0.012 min

Lab File: VY022380.D

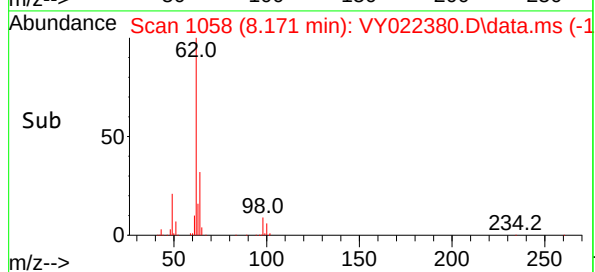
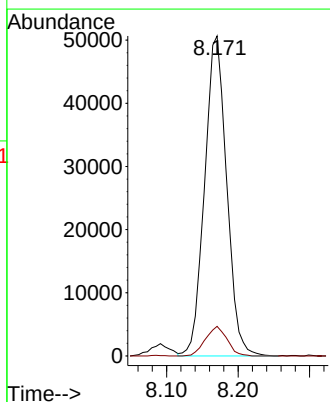
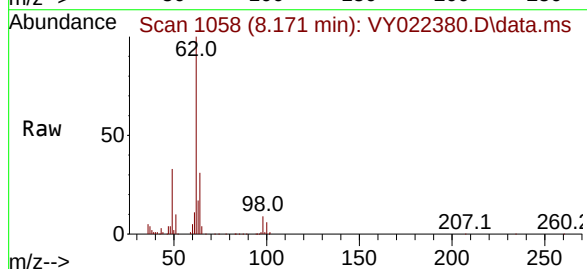
Acq: 22 May 2025 08:35

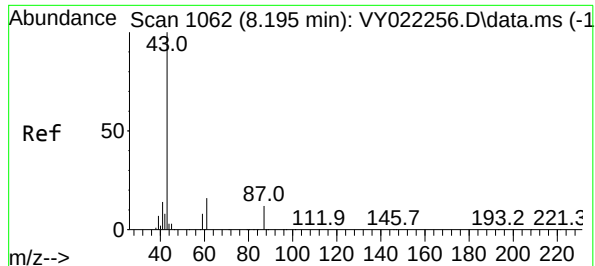
Tgt Ion: 62 Resp: 108617

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 45.395 ug/l

RT: 8.207 min Scan# 1064

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12839

Ion Ratio Lower Upper

43 100

61 28.8 15.1 22.7

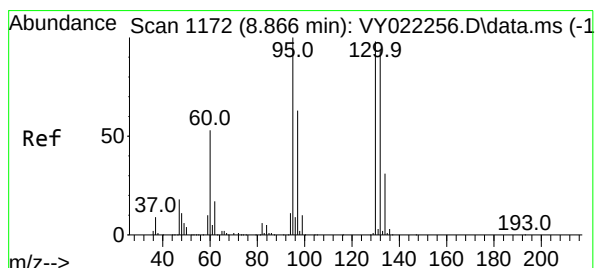
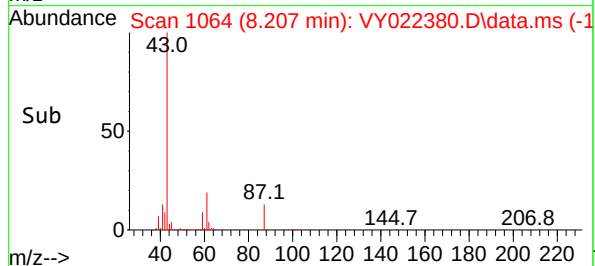
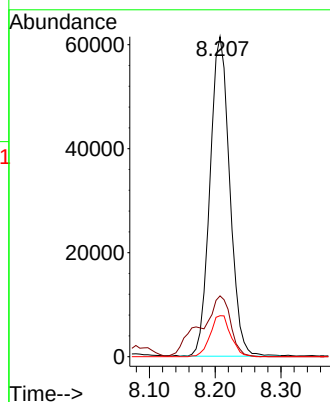
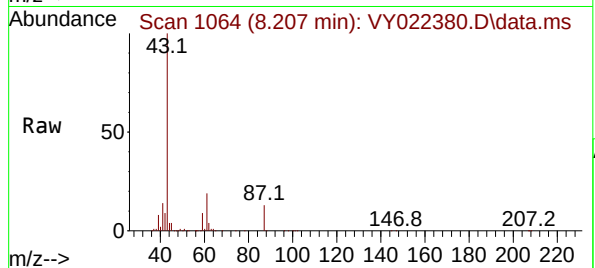
87 13.4 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#44

Trichloroethene

Concen: 53.190 ug/l

RT: 8.878 min Scan# 1174

Delta R.T. 0.012 min

Lab File: VY022380.D

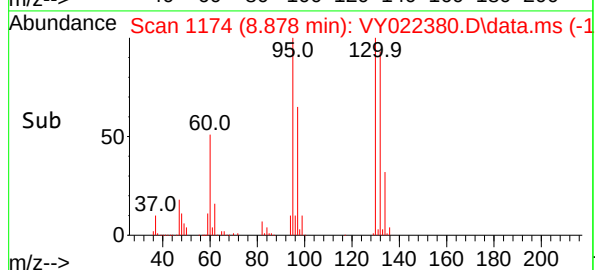
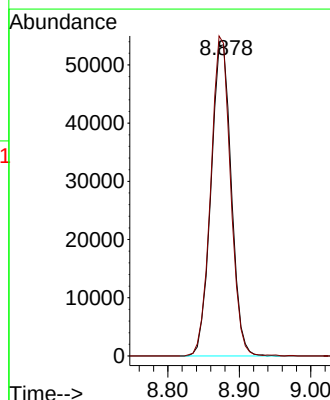
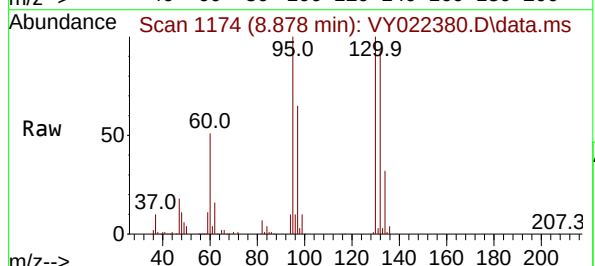
Acq: 22 May 2025 08:35

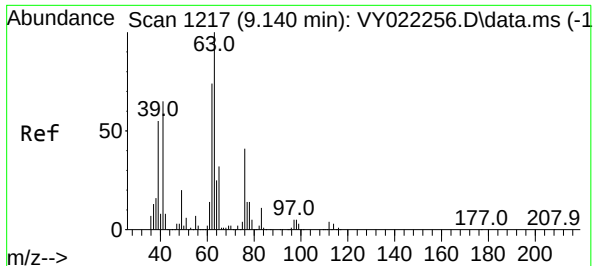
Tgt Ion:130 Resp: 105676

Ion Ratio Lower Upper

130 100

95 100.4 0.0 204.8





#45

1,2-Dichloropropane

Concen: 51.460 ug/l

RT: 9.152 min Scan# 1219

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 9913

Ion Ratio Lower Upper

63 100

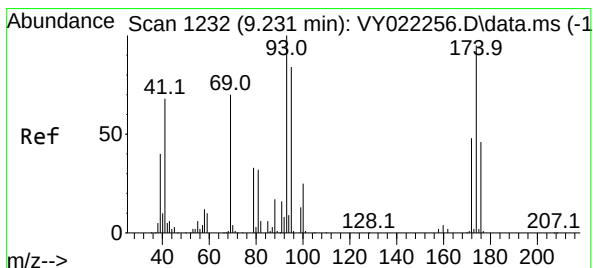
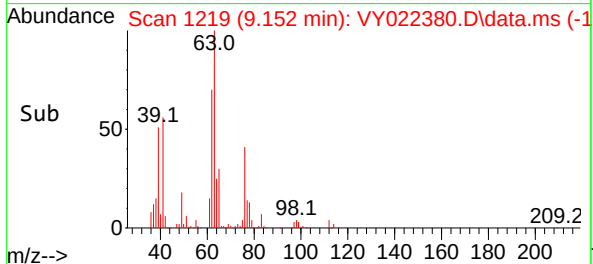
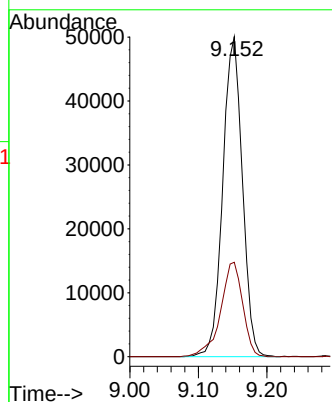
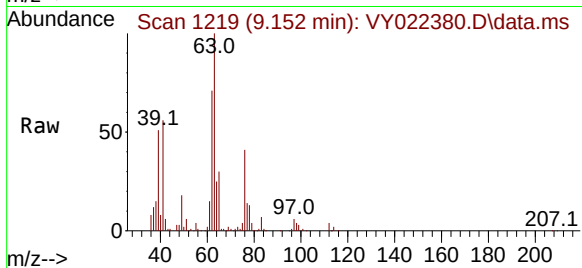
65 29.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#46

Dibromomethane

Concen: 51.917 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

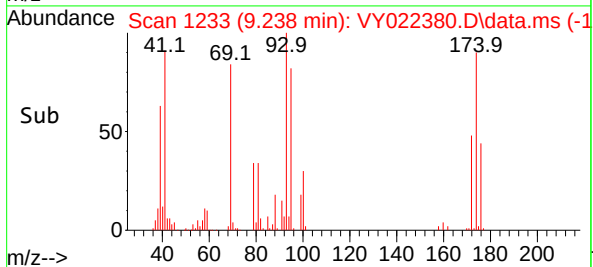
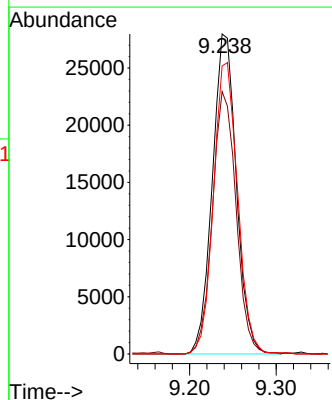
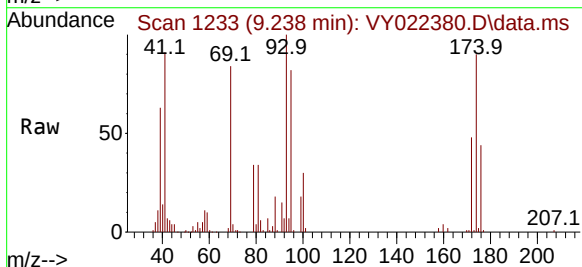
Tgt Ion: 93 Resp: 53943

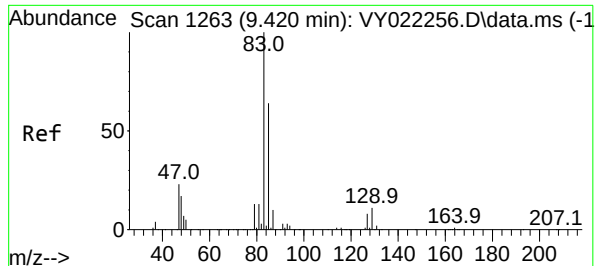
Ion Ratio Lower Upper

93 100

95 80.9 65.2 97.8

174 91.5 74.3 111.5





#47

Bromodichloromethane

Concen: 52.278 ug/l

RT: 9.433 min Scan# 1265

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 14091

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

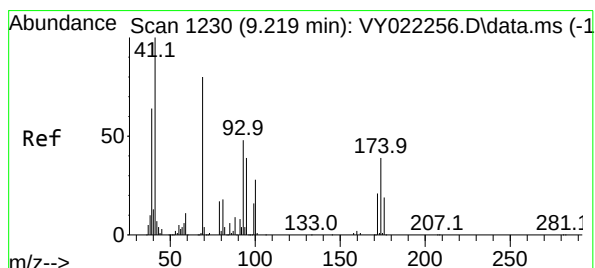
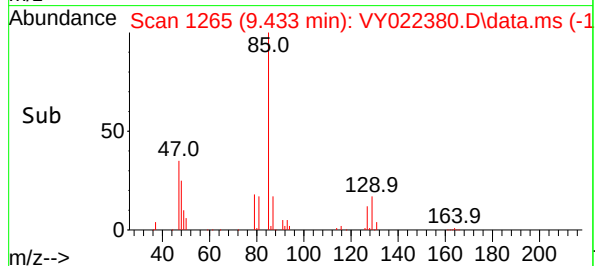
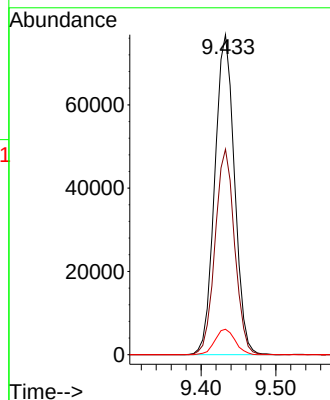
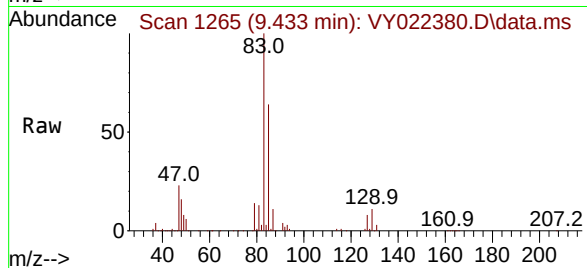
127 8.0 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Methyl methacrylate

Concen: 44.496 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

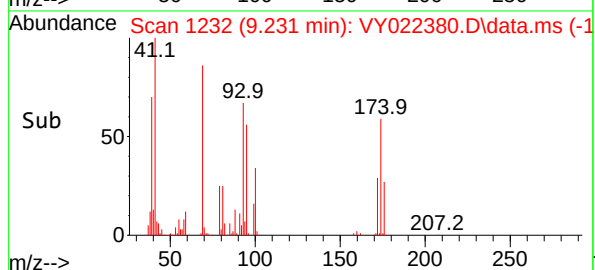
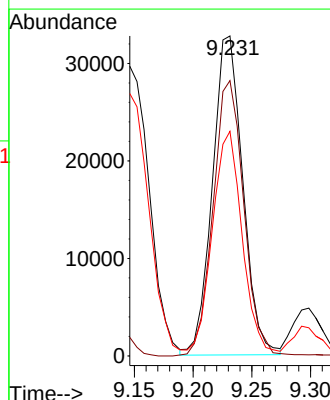
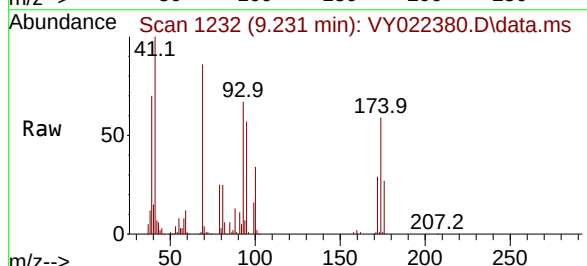
Tgt Ion: 41 Resp: 58854

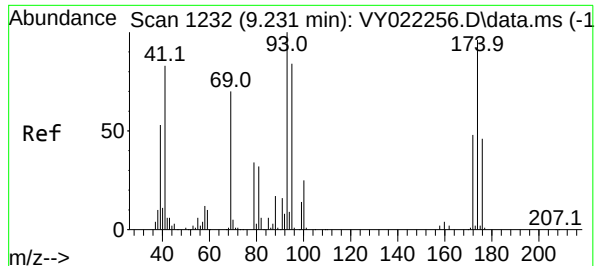
Ion Ratio Lower Upper

41 100

69 87.6 63.5 95.3

39 66.6 50.8 76.2





#49

1,4-Dioxane

Concen: 994.901 ug/l

RT: 9.238 min Scan# 11678

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 11678

Ion Ratio Lower Upper

88 100

43 29.9 28.5 42.7

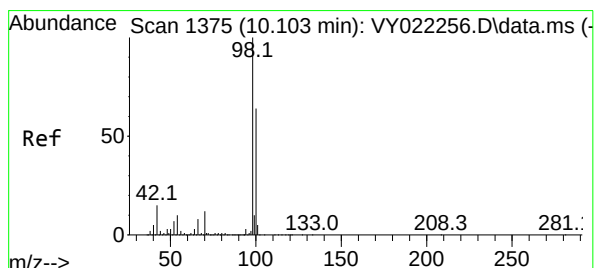
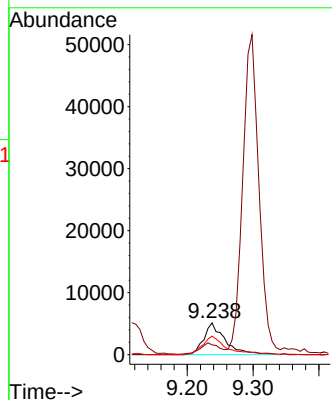
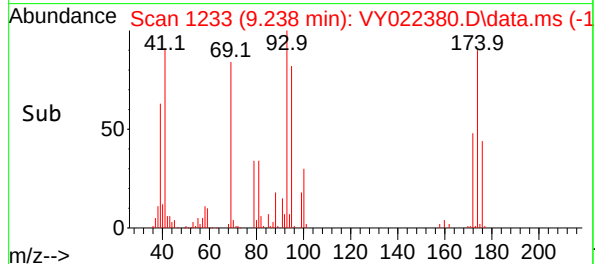
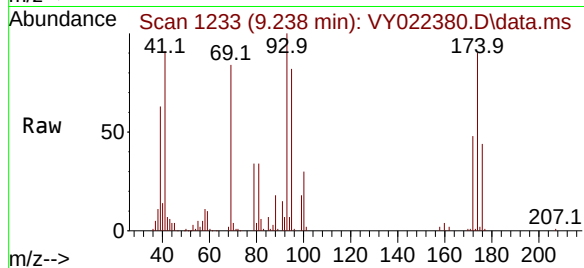
58 65.5 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#50

Toluene-d8

Concen: 53.110 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022380.D

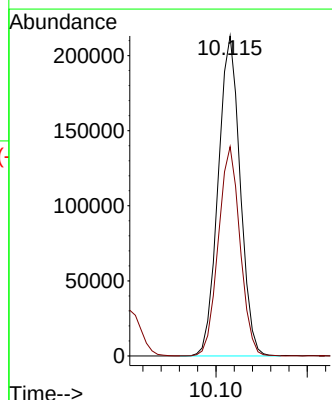
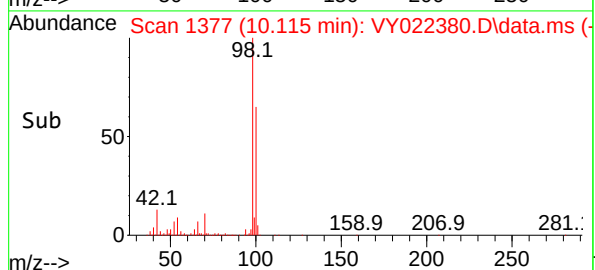
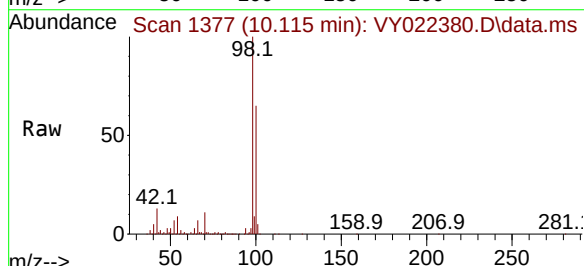
Acq: 22 May 2025 08:35

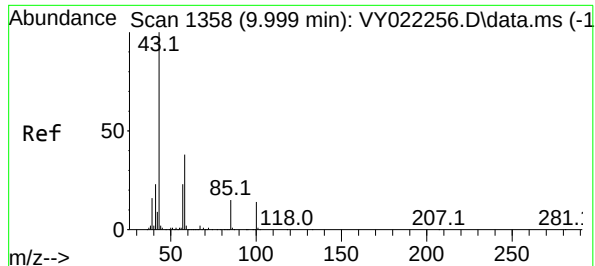
Tgt Ion: 98 Resp: 355941

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8





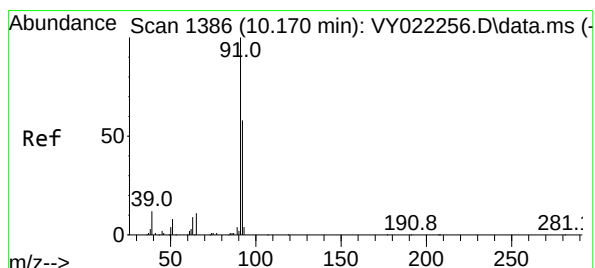
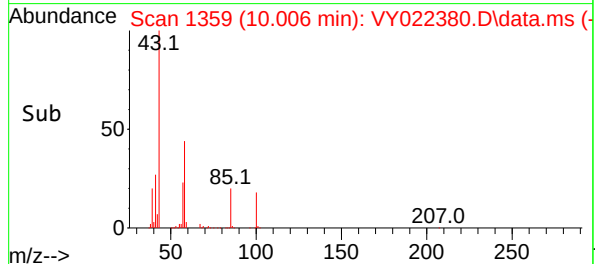
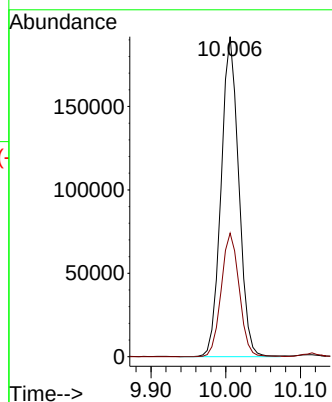
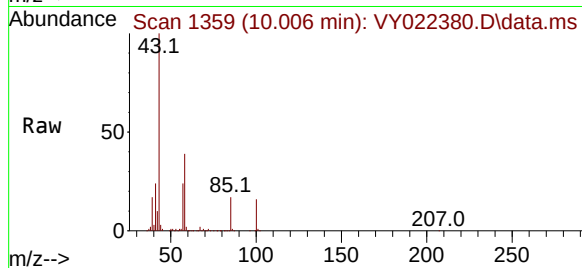
#51
4-Methyl-2-Pentanone
Concen: 227.107 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 31517
Ion Ratio Lower Upper
43 100
58 39.3 29.4 44.2

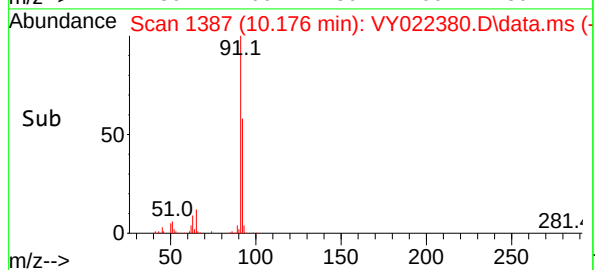
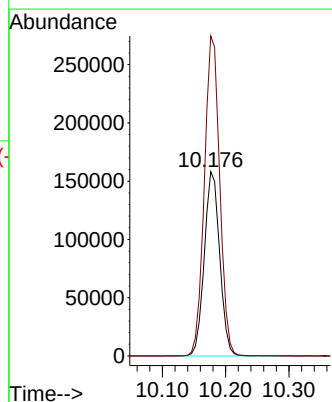
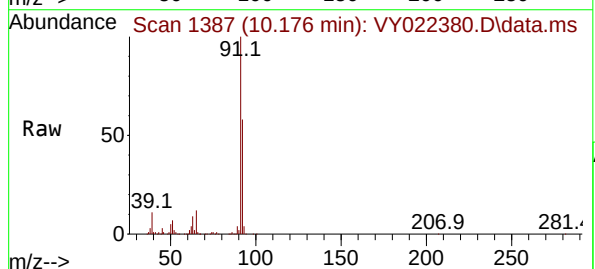
Manual Integrations
APPROVED

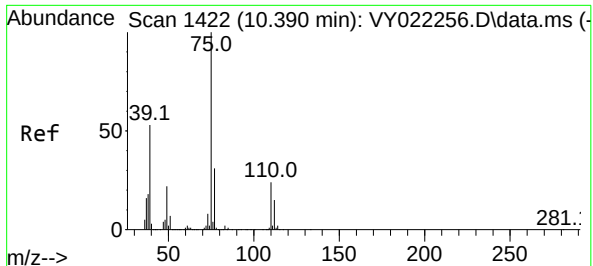
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Toluene
Concen: 53.002 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 92 Resp: 268178
Ion Ratio Lower Upper
92 100
91 173.5 139.1 208.7





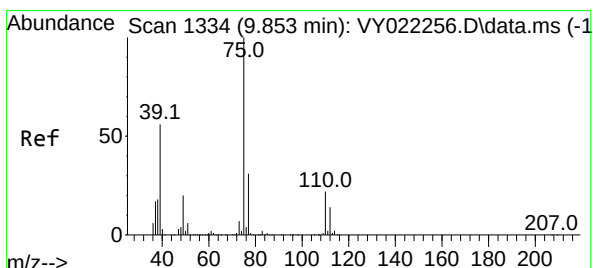
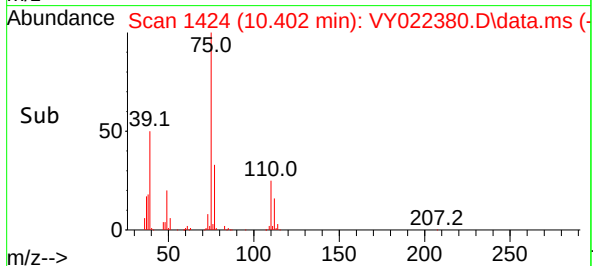
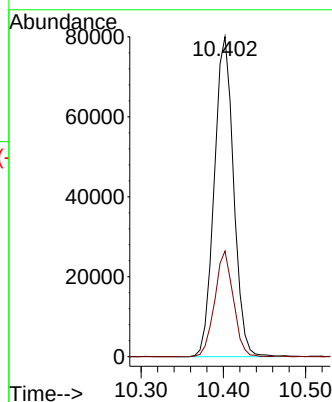
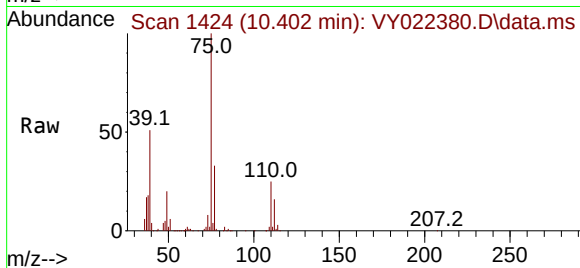
#53
t-1,3-Dichloropropene
Concen: 49.816 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 13104
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.6

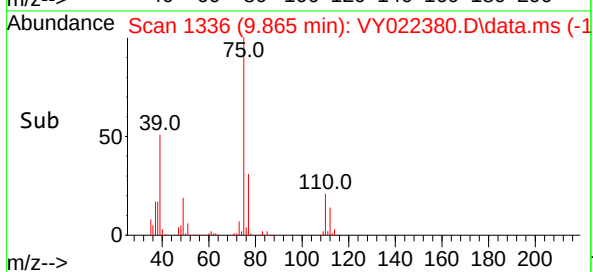
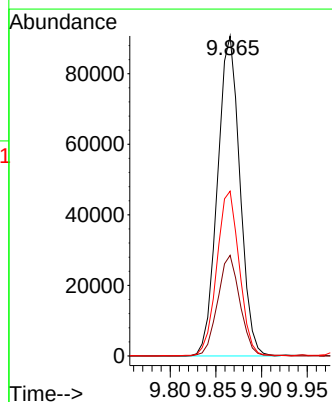
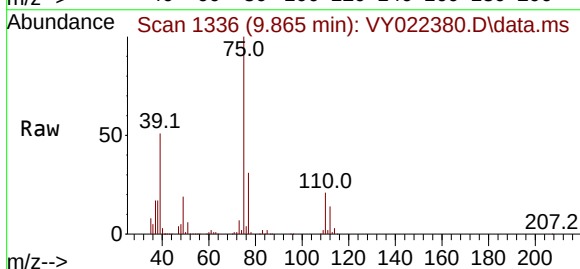
Manual Integrations
APPROVED

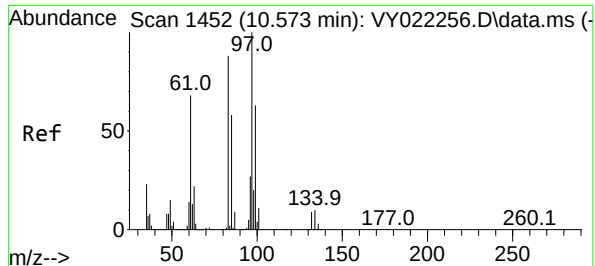
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#54
cis-1,3-Dichloropropene
Concen: 51.367 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

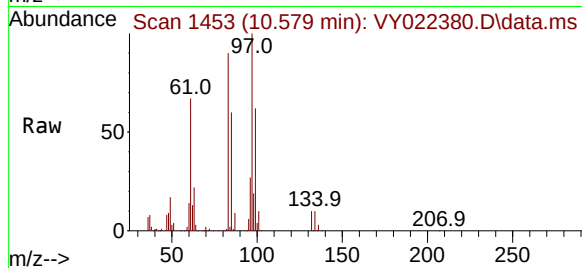
Tgt Ion: 75 Resp: 154811
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 51.4 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 50.711 ug/l
RT: 10.579 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

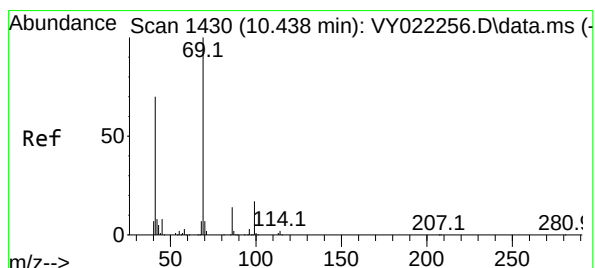
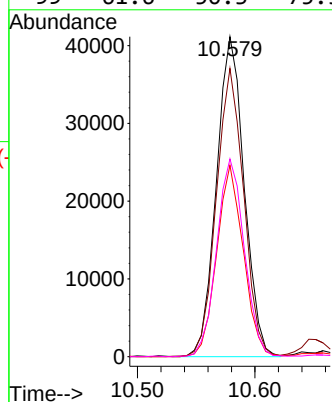
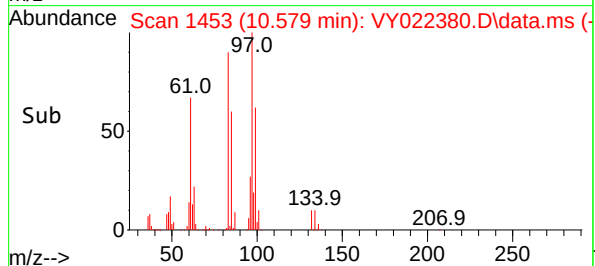
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



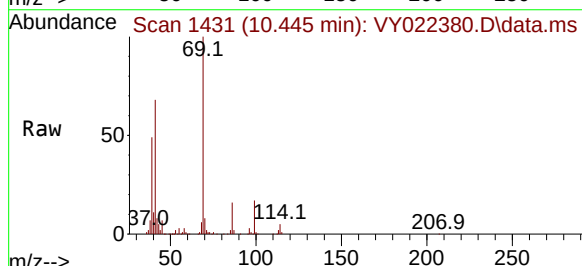
Tgt Ion: 97 Resp: 6747
Ion Ratio Lower Upper
97 100
83 89.9 70.3 105.5
85 59.8 46.2 69.4
99 61.6 50.3 75.5

Manual Integrations
APPROVED

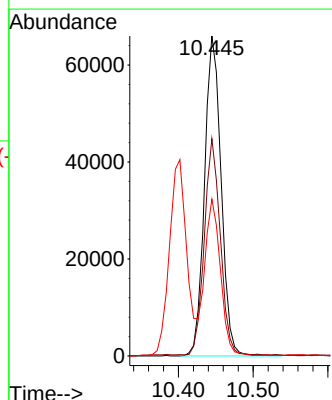
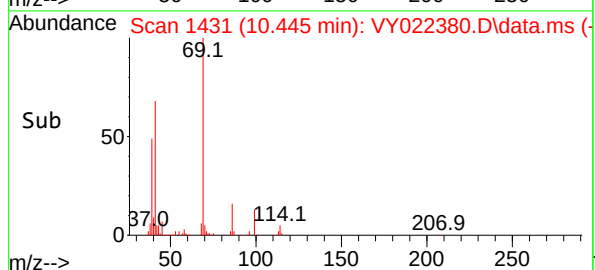
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

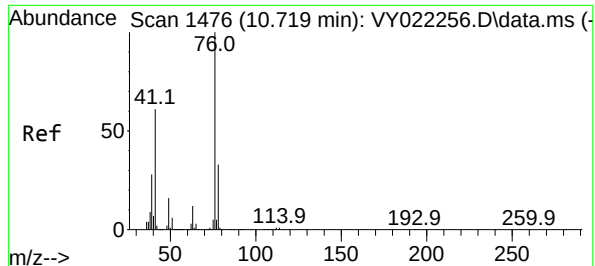


#56
Ethyl methacrylate
Concen: 49.163 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



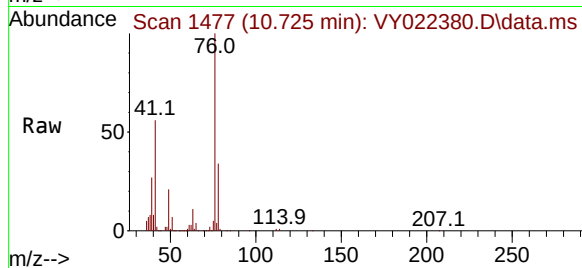
Tgt Ion: 69 Resp: 101892
Ion Ratio Lower Upper
69 100
41 64.9 56.5 84.7
39 45.1 37.1 55.7





#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 10.725 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

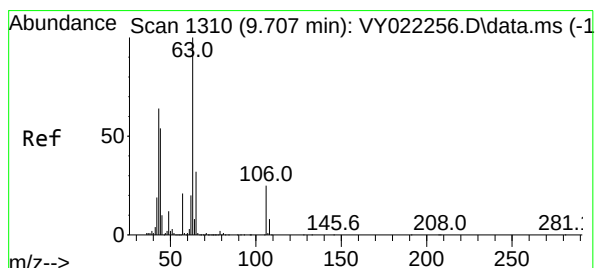
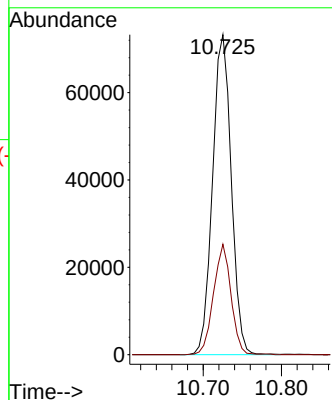
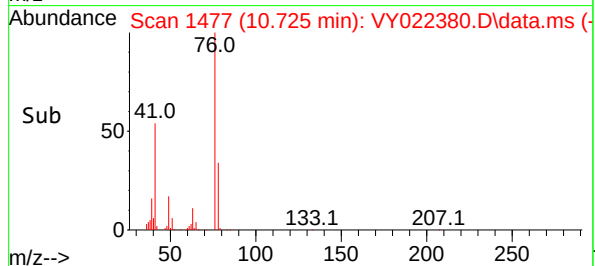
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



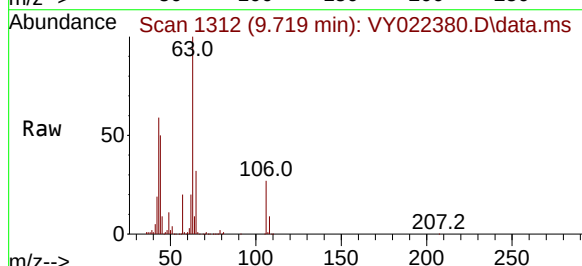
Tgt Ion: 76 Resp: 121474
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

Manual Integrations
APPROVED

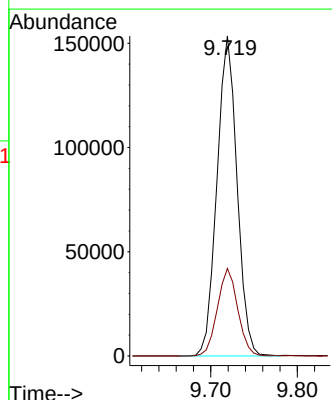
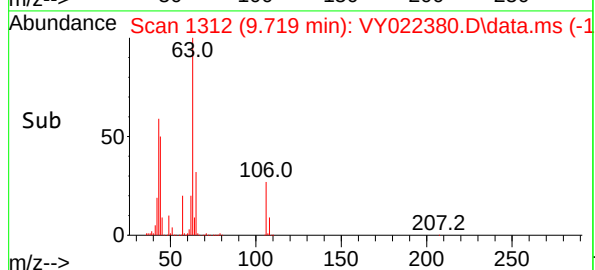
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

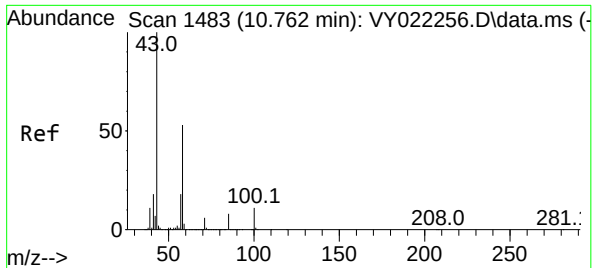


#58
2-Chloroethyl Vinyl ether
Concen: 265.693 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



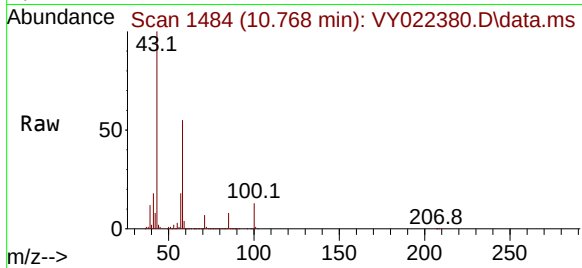
Tgt Ion: 63 Resp: 247160
Ion Ratio Lower Upper
63 100
106 27.6 21.0 31.4





#59
2-Hexanone
Concen: 222.384 ug/l
RT: 10.768 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

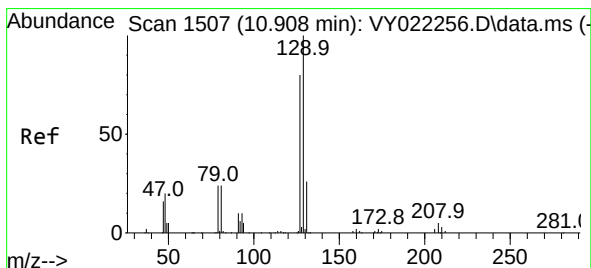
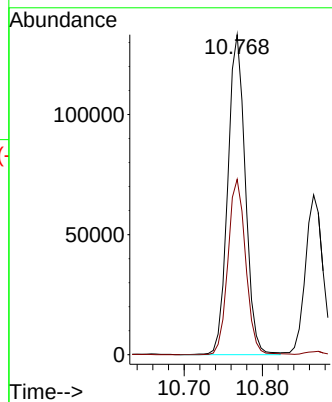
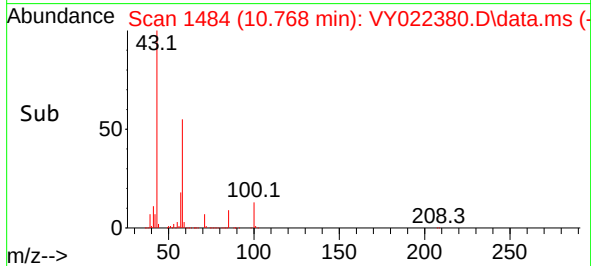
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



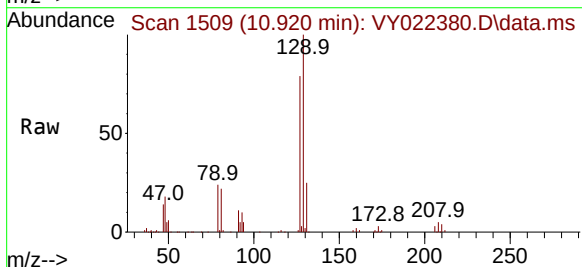
Tgt Ion: 43 Resp: 20692
Ion Ratio Lower Upper
43 100
58 55.5 26.1 78.3

Manual Integrations
APPROVED

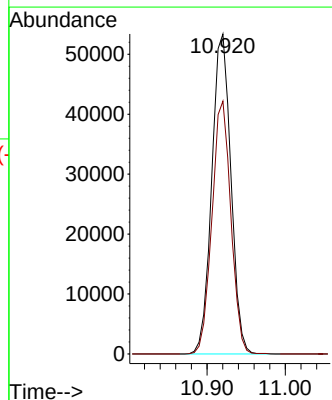
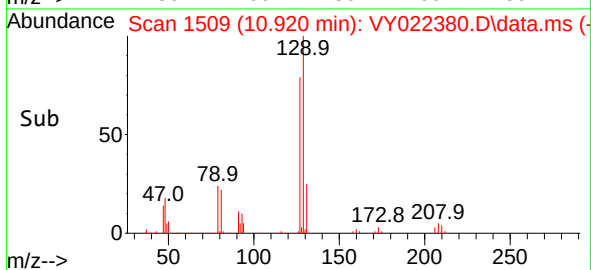
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

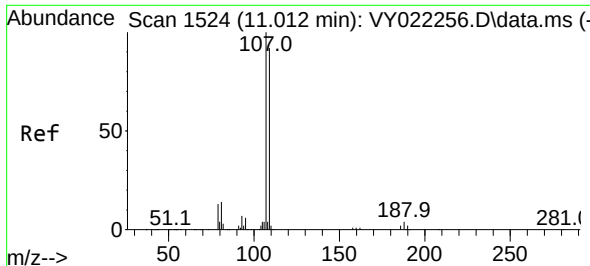


#60
Dibromochloromethane
Concen: 52.423 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



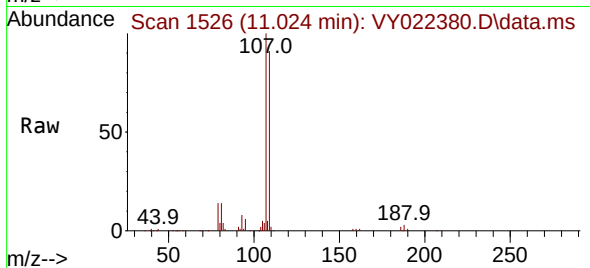
Tgt Ion:129 Resp: 90531
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 52.166 ug/l
RT: 11.024 min Scan# 1524
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

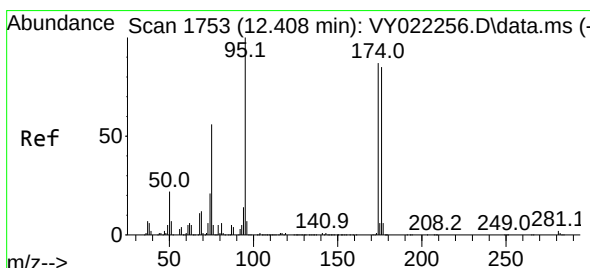
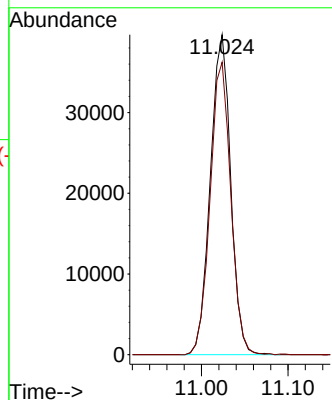
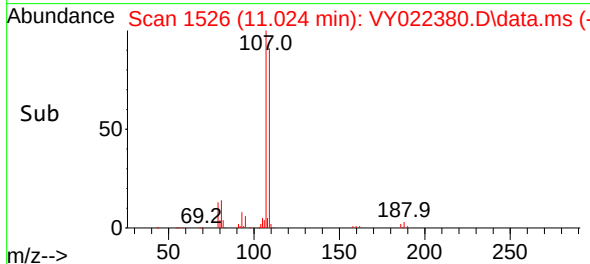
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 64690
Ion Ratio Lower Upper
107 100
109 92.8 74.6 111.8

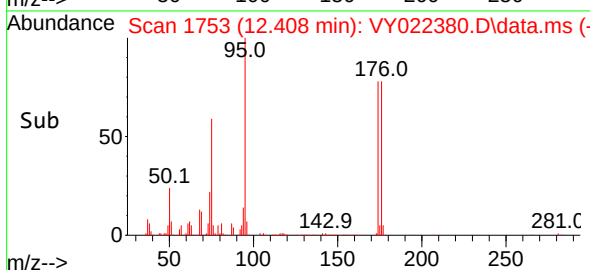
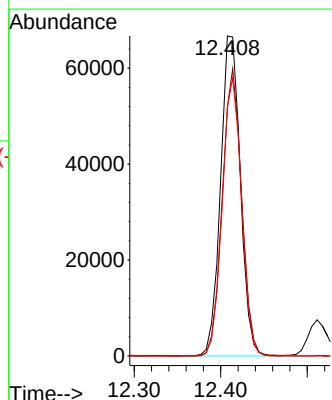
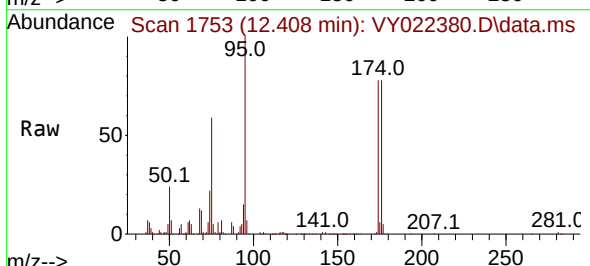
Manual Integrations
APPROVED

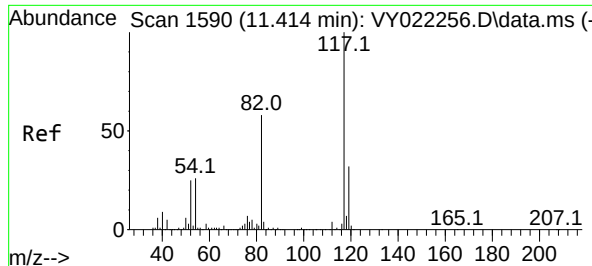
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#62
4-Bromofluorobenzene
Concen: 49.898 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

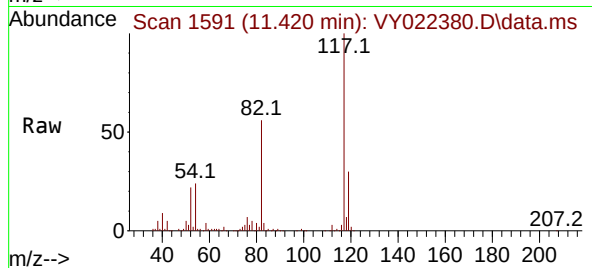
Tgt Ion: 95 Resp: 105997
Ion Ratio Lower Upper
95 100
174 87.3 0.0 166.8
176 84.6 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

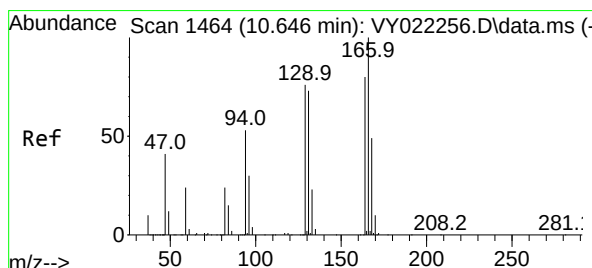
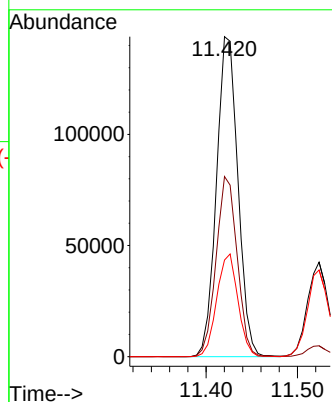
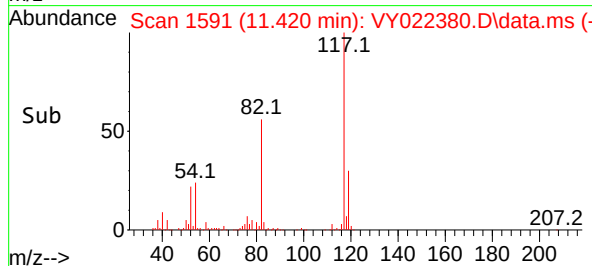
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



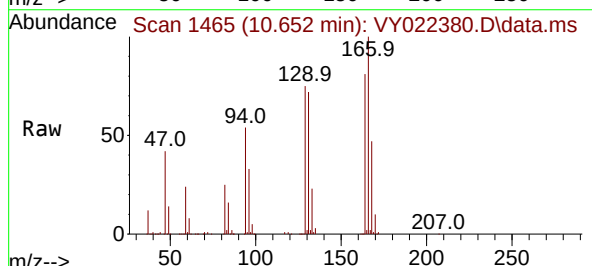
Tgt Ion:117 Resp: 235238
Ion Ratio Lower Upper
117 100
82 56.3 46.6 70.0
119 30.2 25.8 38.6

Manual Integrations
APPROVED

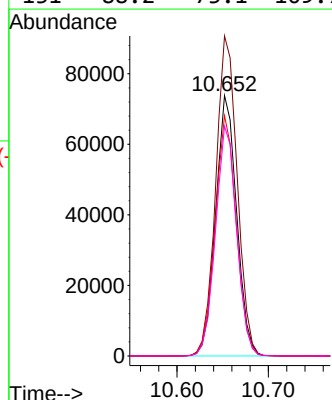
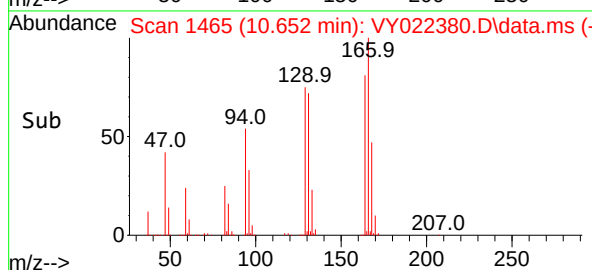
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

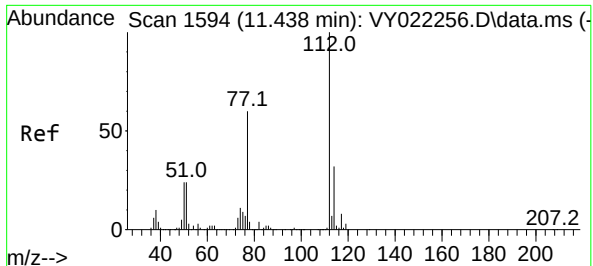


#64
Tetrachloroethene
Concen: 54.305 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



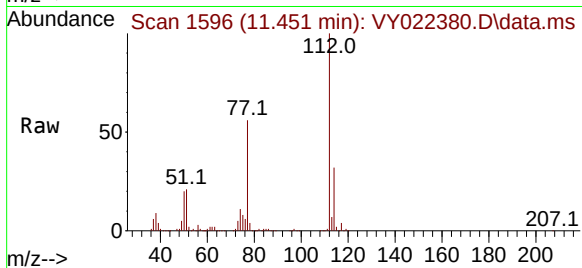
Tgt Ion:164 Resp: 118077
Ion Ratio Lower Upper
164 100
166 122.8 100.4 150.6
129 92.2 76.4 114.6
131 88.2 73.1 109.7





#65
Chlorobenzene
Concen: 52.931 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

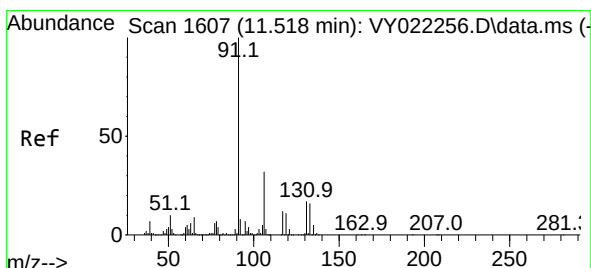
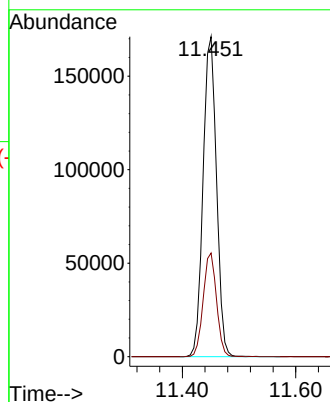
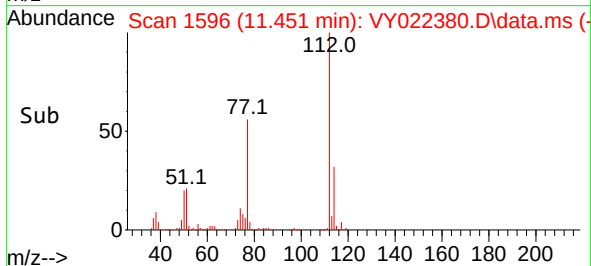
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



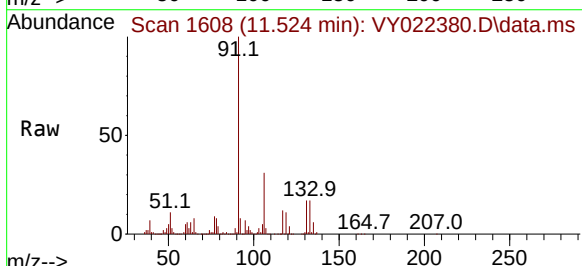
Tgt Ion:112 Resp: 28091
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

Manual Integrations
APPROVED

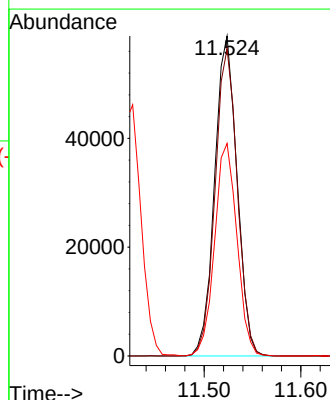
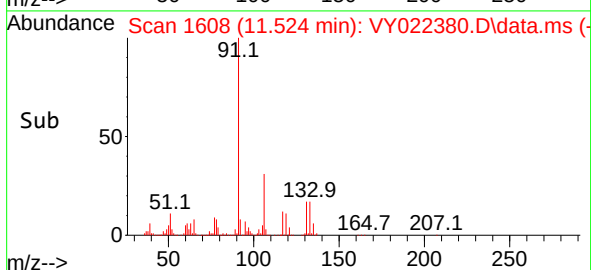
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

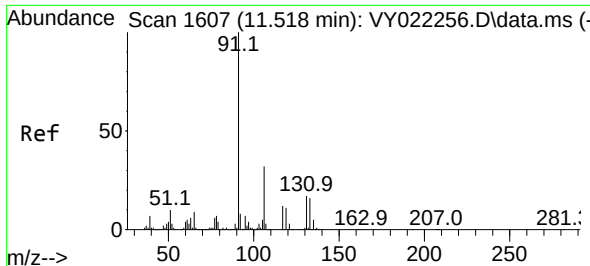


#66
1,1,1,2-Tetrachloroethane
Concen: 51.774 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



Tgt Ion:131 Resp: 94462
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 66.4 33.1 99.2





#67

Ethyl Benzene

Concen: 52.876 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 525554

Ion Ratio Lower Upper

91 100

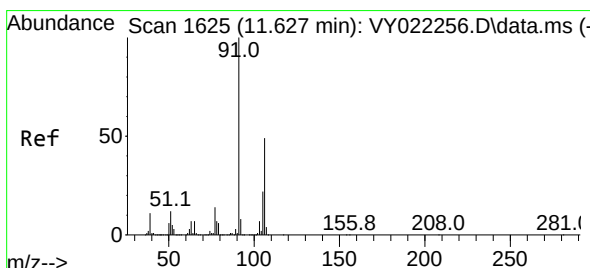
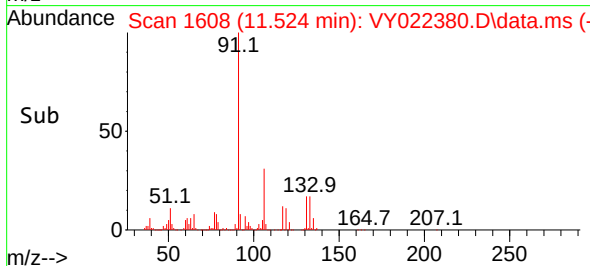
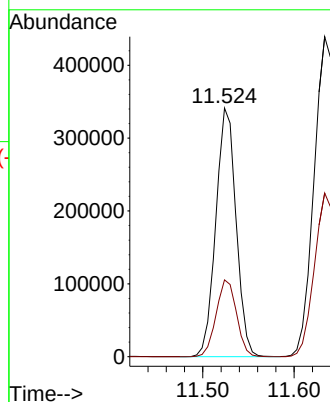
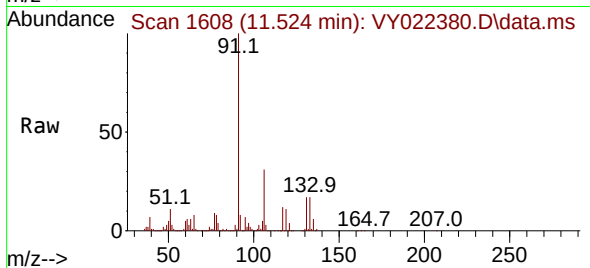
106 30.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#68

m/p-Xylenes

Concen: 106.617 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022380.D

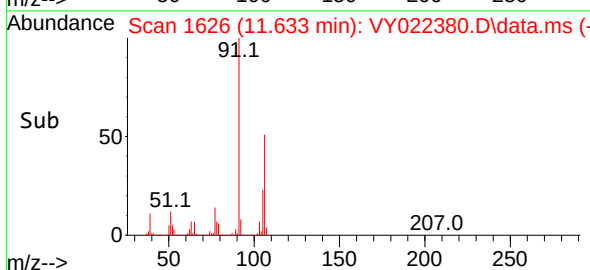
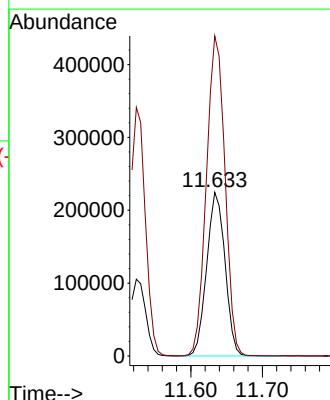
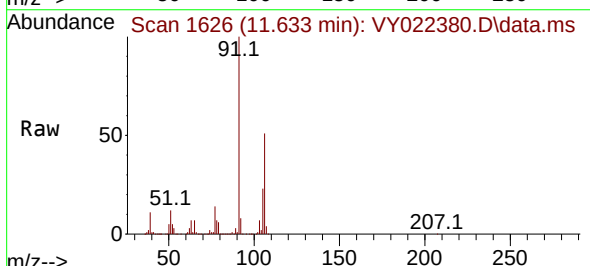
Acq: 22 May 2025 08:35

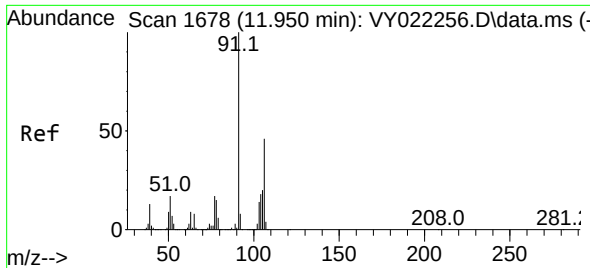
Tgt Ion:106 Resp: 399310

Ion Ratio Lower Upper

106 100

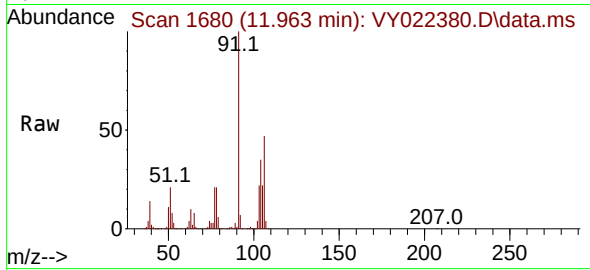
91 198.2 163.0 244.4





#69
o-Xylene
Concen: 52.518 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

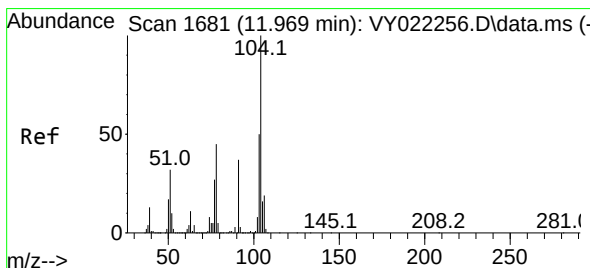
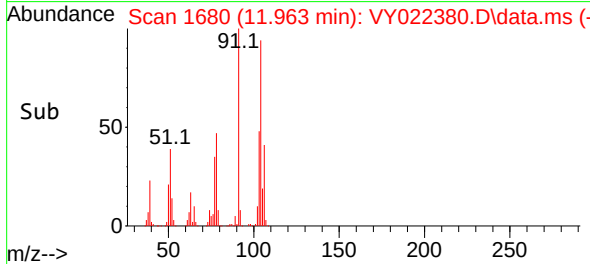
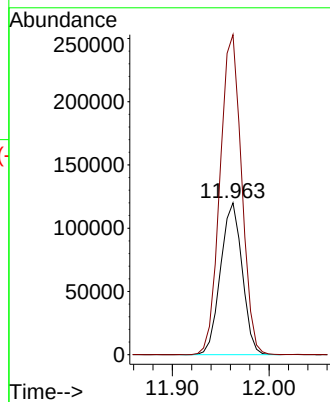
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 186099
Ion Ratio Lower Upper
106 100
91 210.9 108.3 324.8

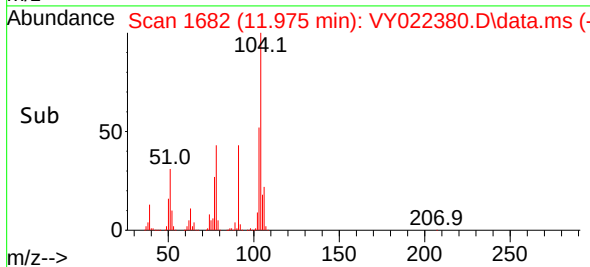
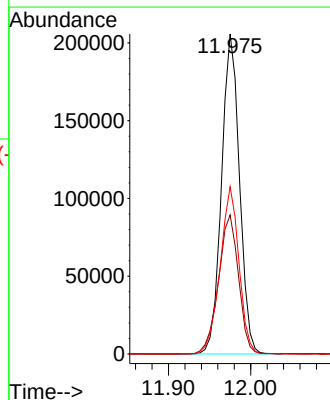
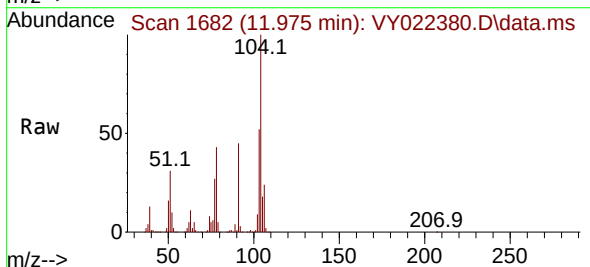
Manual Integrations
APPROVED

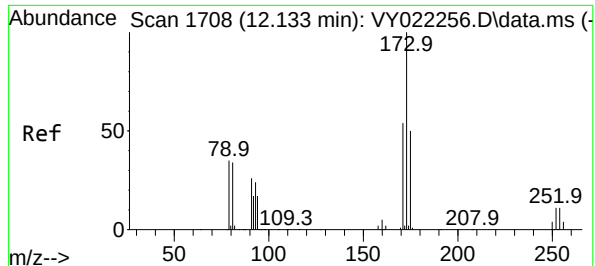
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
Styrene
Concen: 52.163 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

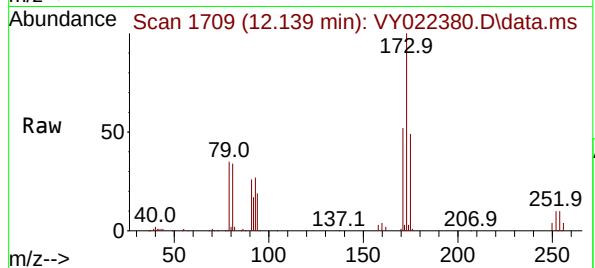
Tgt Ion:104 Resp: 311800
Ion Ratio Lower Upper
104 100
78 48.4 40.9 61.3
103 55.0 43.7 65.5





#71
Bromoform
Concen: 50.521 ug/l
RT: 12.139 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

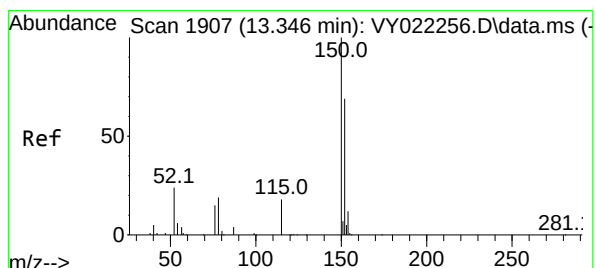
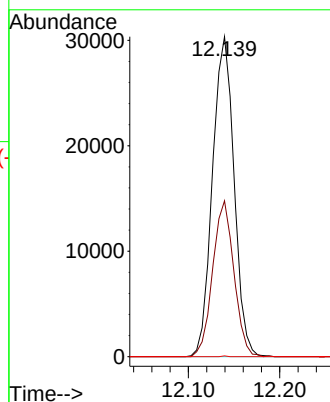
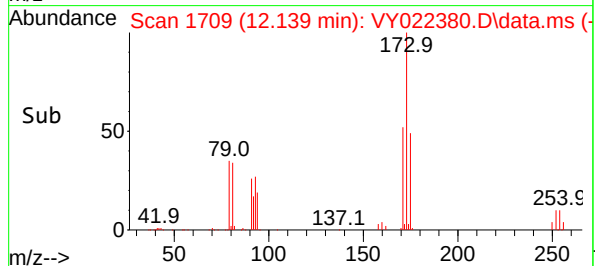
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



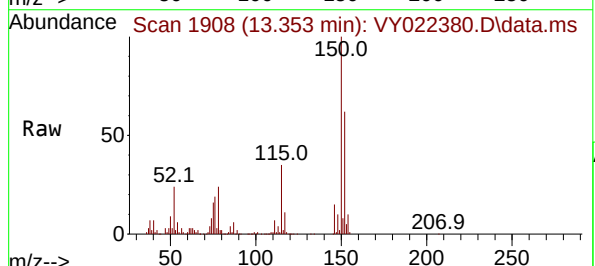
Tgt Ion:173 Resp: 4975
Ion Ratio Lower Upper
173 100
175 47.9 24.7 74.1
254 0.1 0.0 0.0

Manual Integrations
APPROVED

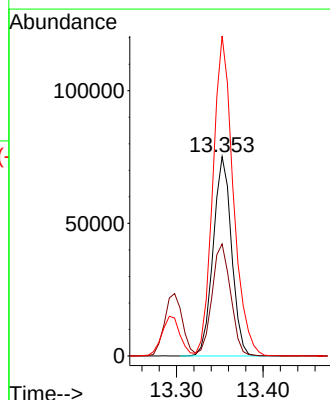
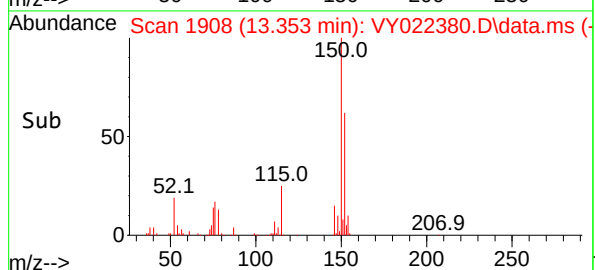
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

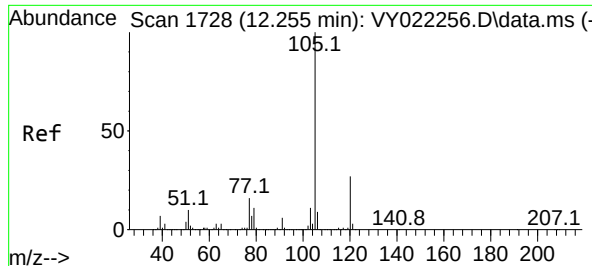


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35



Tgt Ion:152 Resp: 110586
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.2
150 177.7 0.0 353.8





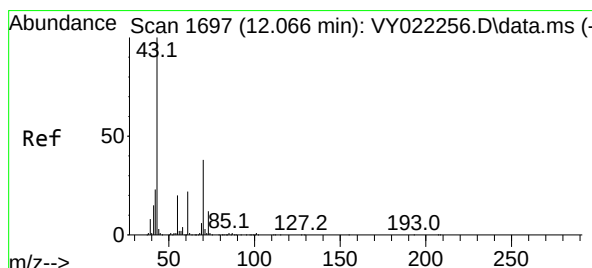
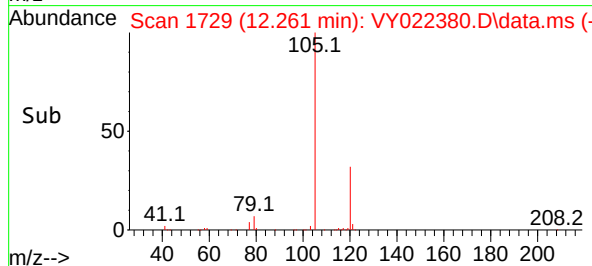
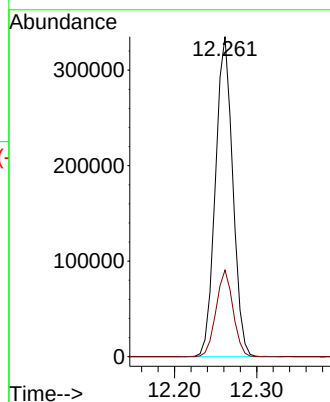
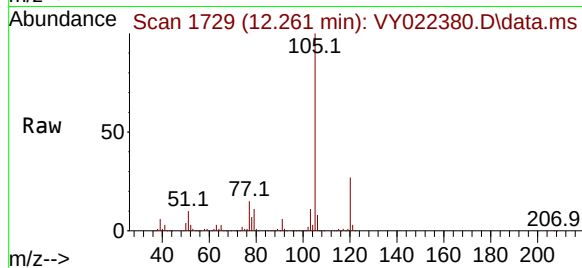
#73
Isopropylbenzene
Concen: 53.502 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 490162
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

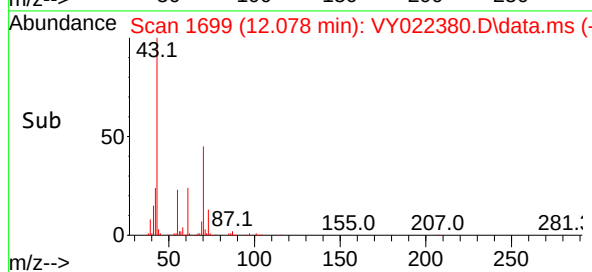
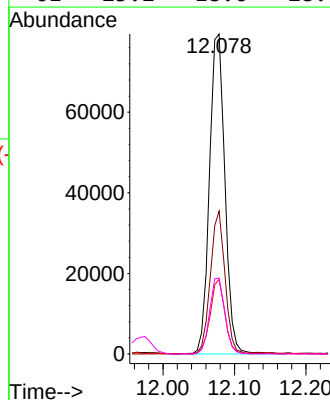
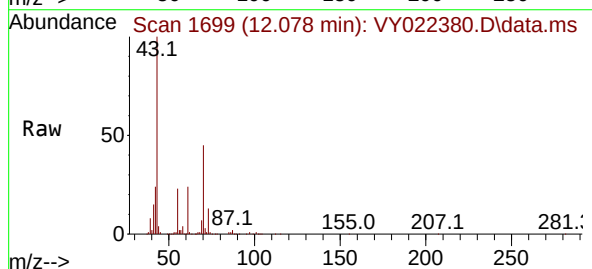
Manual Integrations
APPROVED

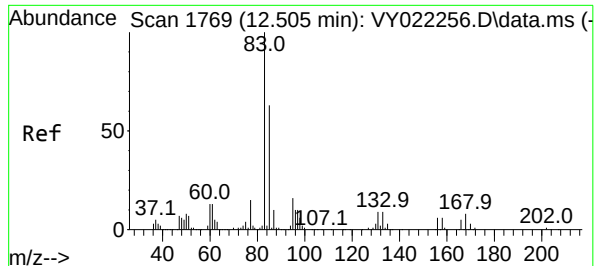
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#74
N-ethyl acetate
Concen: 45.682 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 119696
Ion Ratio Lower Upper
43 100
70 42.2 31.4 47.0
55 22.3 17.0 25.6
61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.561 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

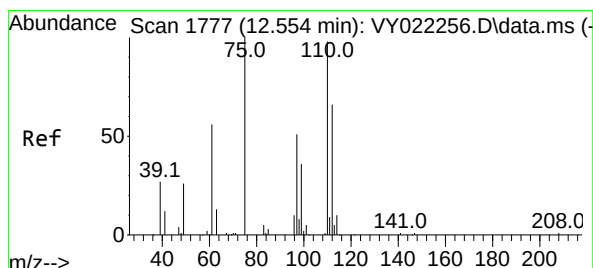
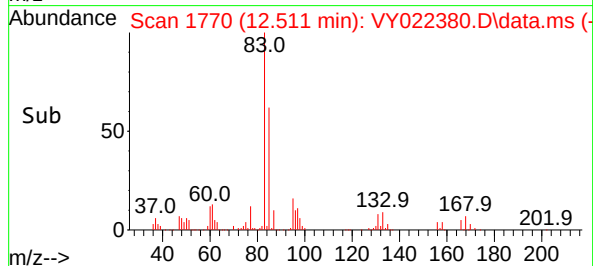
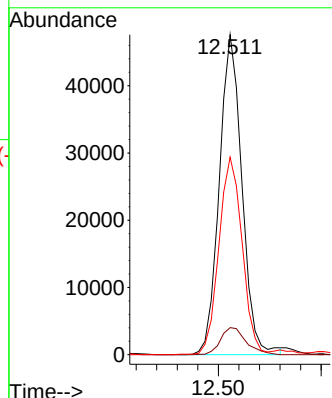
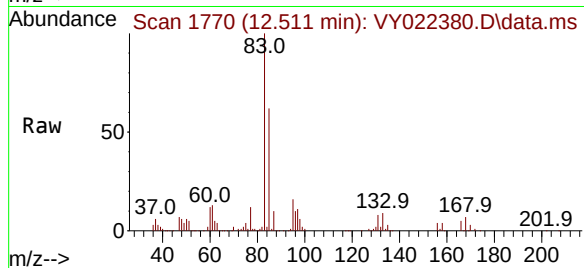
Tgt Ion:	83	Resp:	7264
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.4	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#76

1,2,3-Trichloropropane

Concen: 49.223 ug/l m

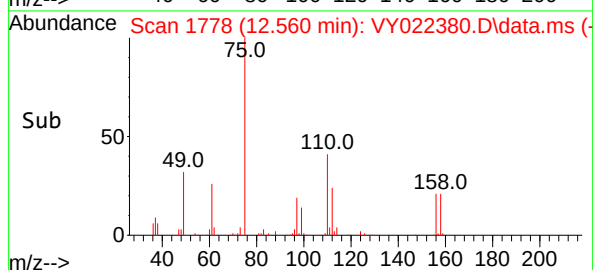
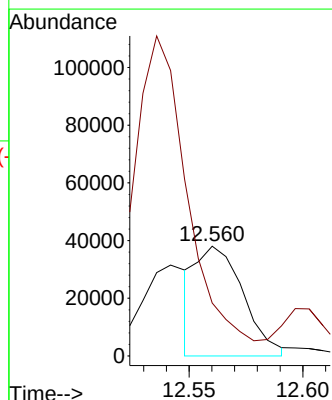
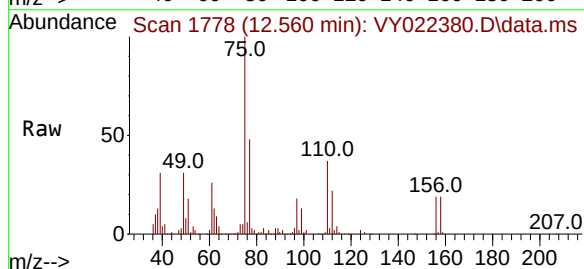
RT: 12.560 min Scan# 1778

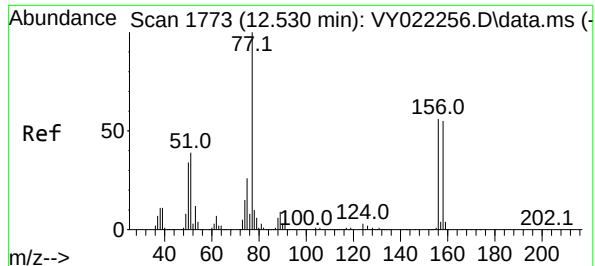
Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Tgt Ion:	75	Resp:	55147
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.574 ug/l

RT: 12.542 min Scan# 1775

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 102872

Ion Ratio Lower Upper

156 100

77 183.0 94.5 283.6

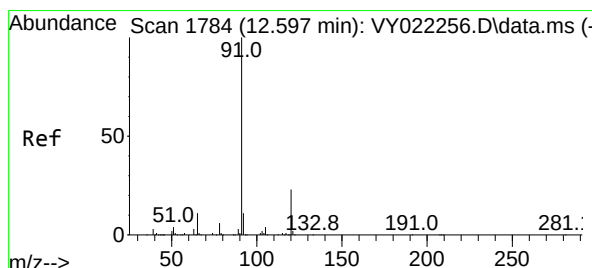
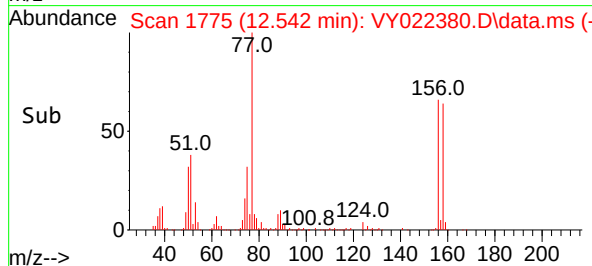
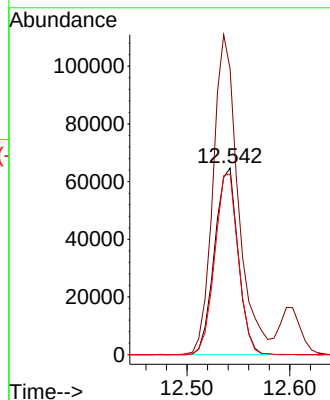
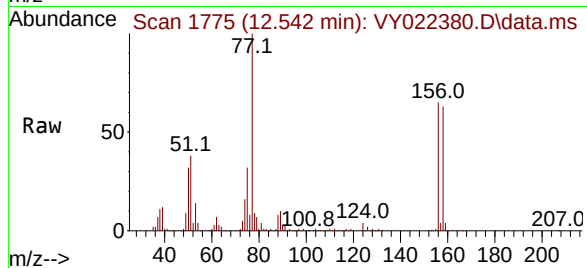
158 96.4 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#78

n-propylbenzene

Concen: 53.885 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VY022380.D

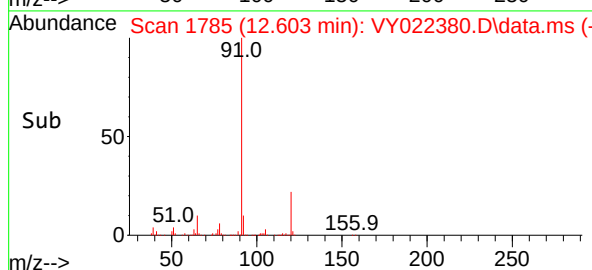
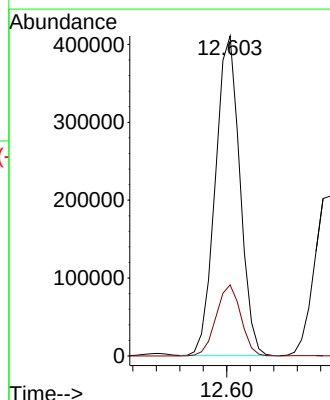
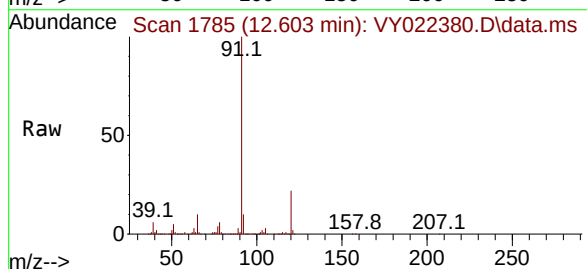
Acq: 22 May 2025 08:35

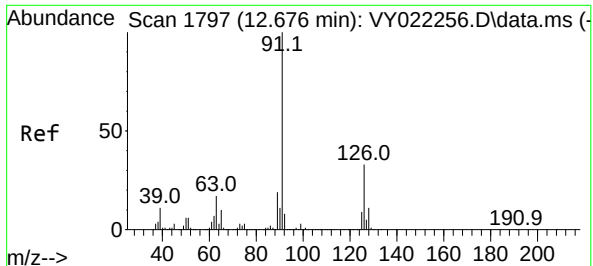
Tgt Ion: 91 Resp: 595455

Ion Ratio Lower Upper

91 100

120 22.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 52.461 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. 0.012 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 318579

Ion Ratio Lower Upper

91 100

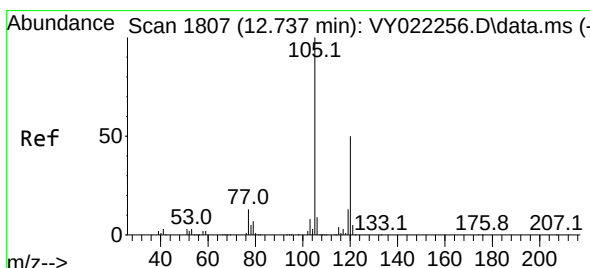
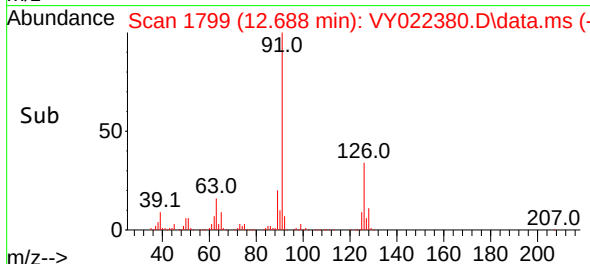
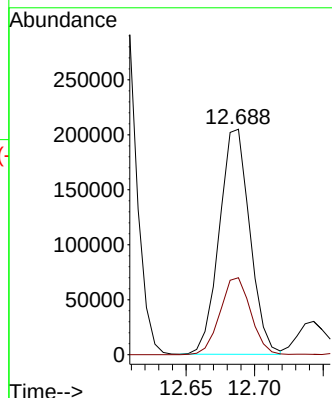
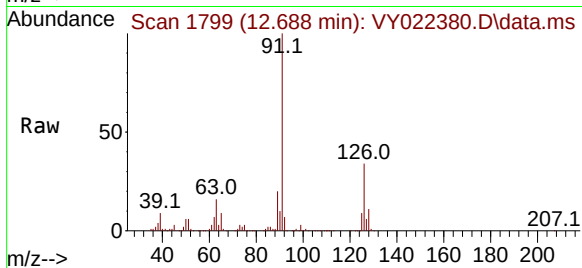
126 34.4 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.837 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022380.D

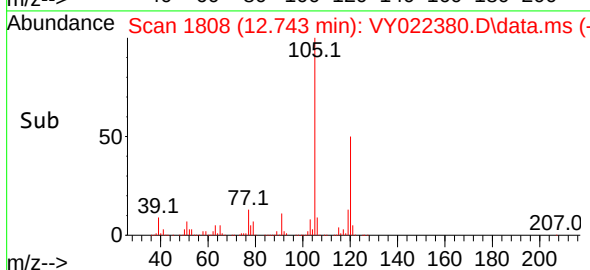
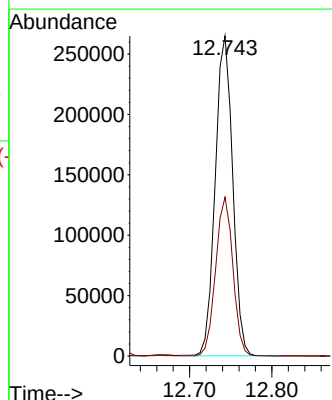
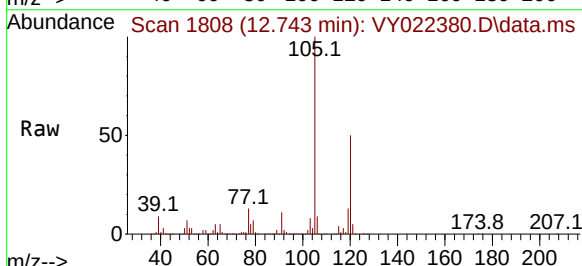
Acq: 22 May 2025 08:35

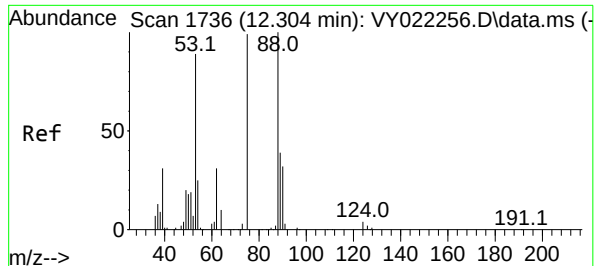
Tgt Ion:105 Resp: 390755

Ion Ratio Lower Upper

105 100

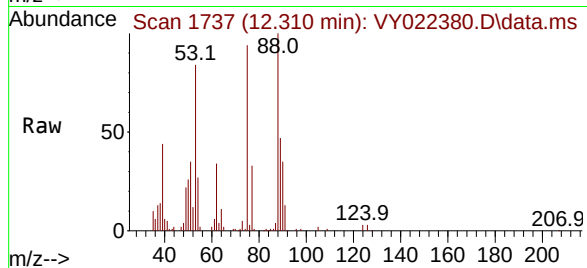
120 49.1 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 46.827 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

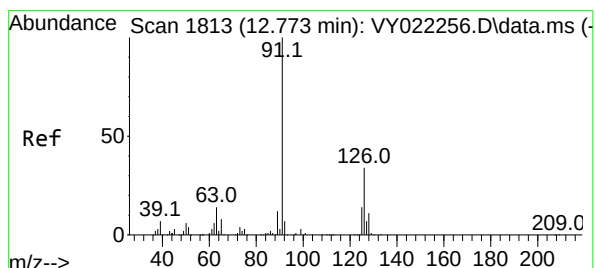
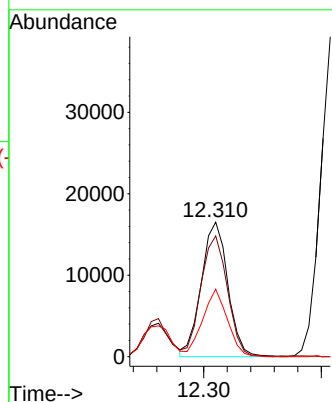
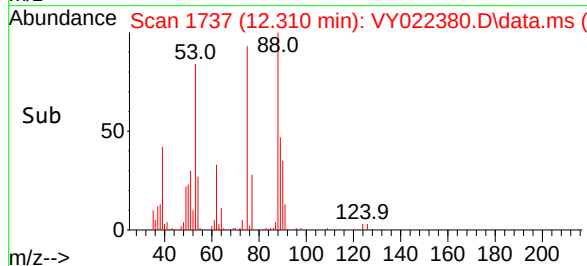
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 25898
Ion Ratio Lower Upper
75 100
53 90.0 75.8 113.8
89 46.4 36.2 54.2

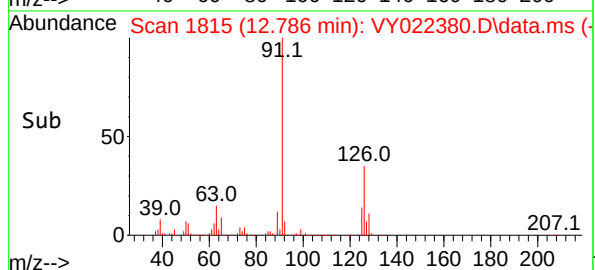
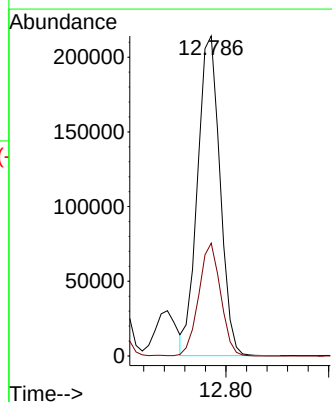
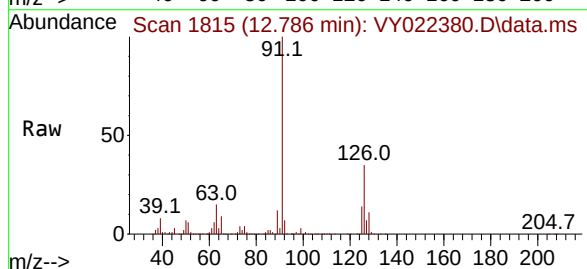
Manual Integrations
APPROVED

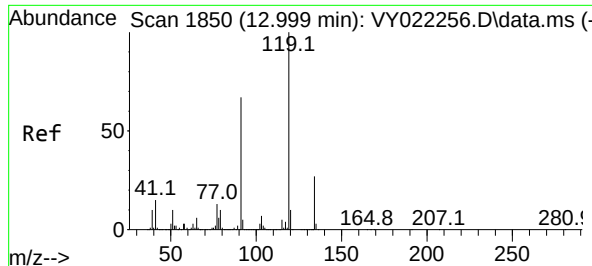
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#82
4-Chlorotoluene
Concen: 52.070 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 325243
Ion Ratio Lower Upper
91 100
126 34.4 16.8 50.4





#83

tert-Butylbenzene

Concen: 53.844 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 353920

Ion Ratio Lower Upper

119 100

91 63.2 32.8 98.3

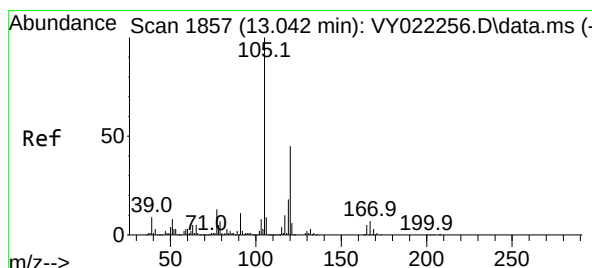
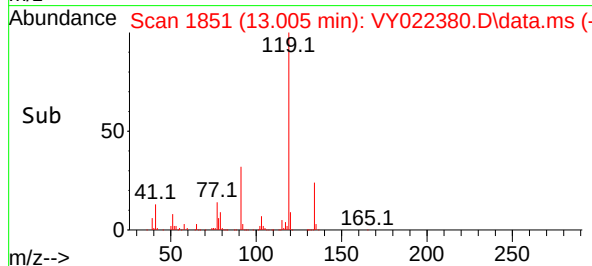
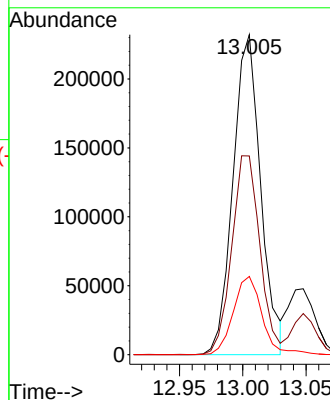
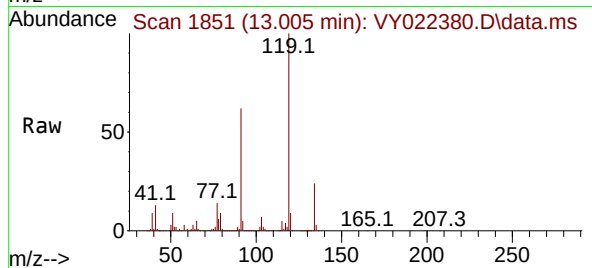
134 25.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.109 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022380.D

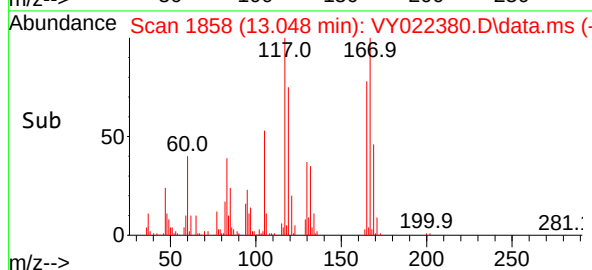
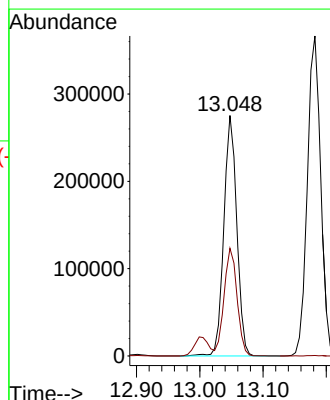
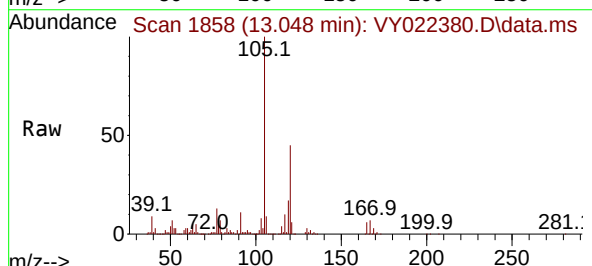
Acq: 22 May 2025 08:35

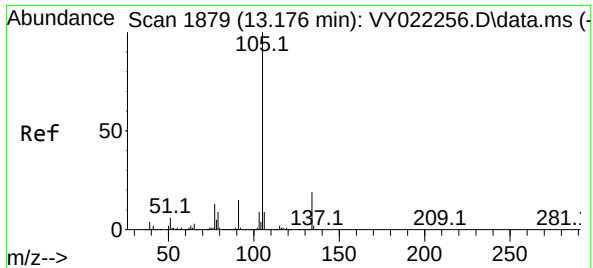
Tgt Ion:105 Resp: 389894

Ion Ratio Lower Upper

105 100

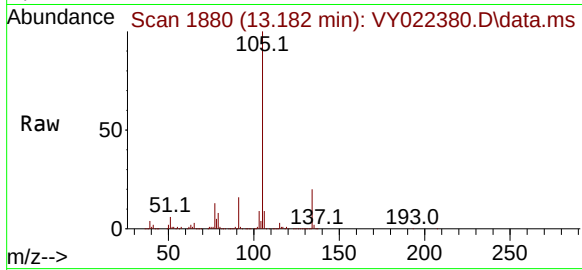
120 44.8 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 54.800 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022380.D
 Acq: 22 May 2025 08:35

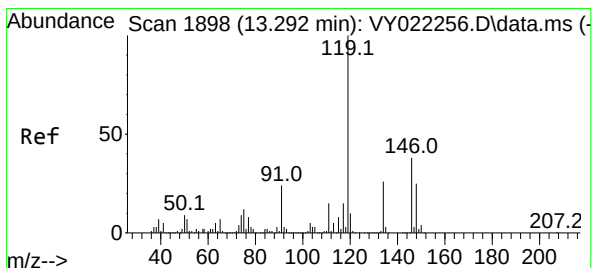
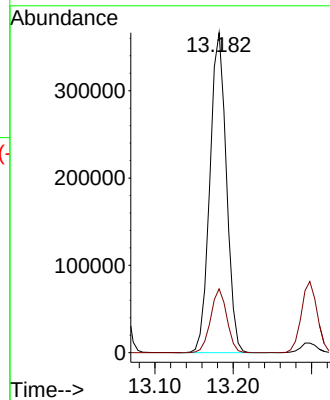
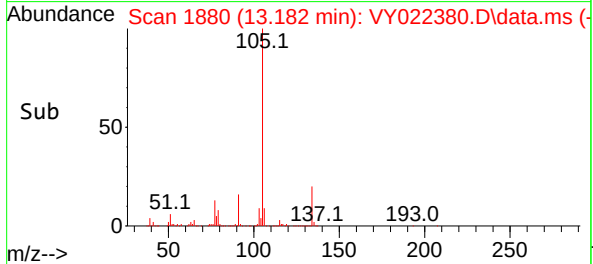
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 53470
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

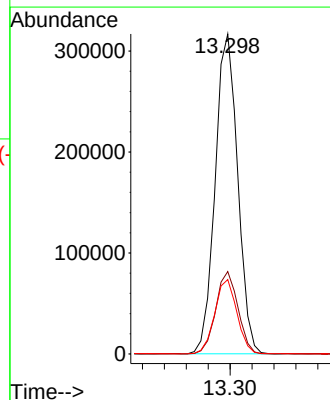
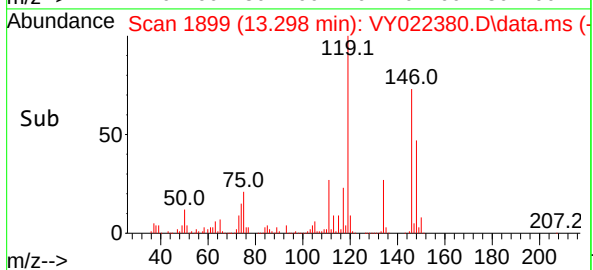
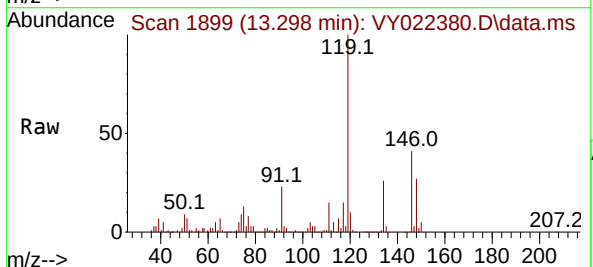
Manual Integrations
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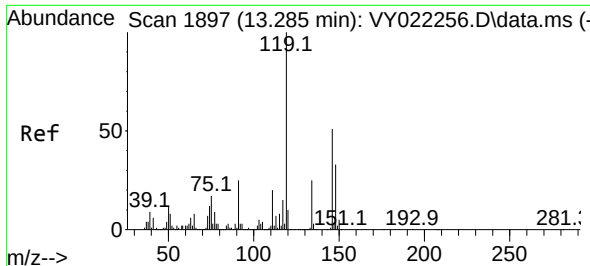
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#86
 p-Isopropyltoluene
 Concen: 54.938 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022380.D
 Acq: 22 May 2025 08:35

Tgt Ion:119 Resp: 450850
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 22.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.142 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022380.D

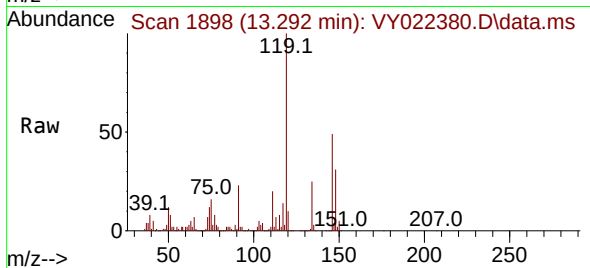
Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:146 Resp: 212279

Ion Ratio Lower Upper

146 100

111 39.2 19.9 59.7

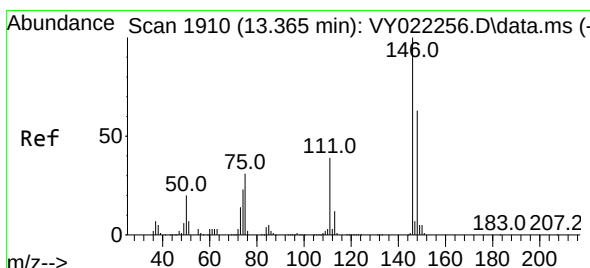
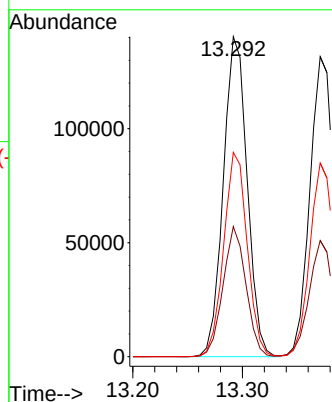
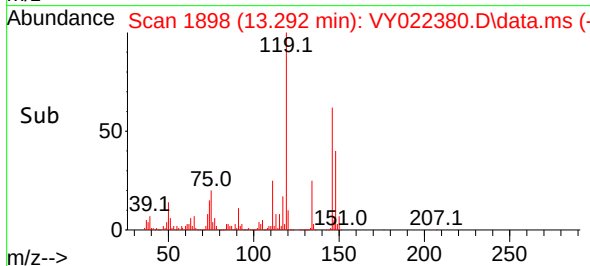
148 63.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#88

1,4-Dichlorobenzene

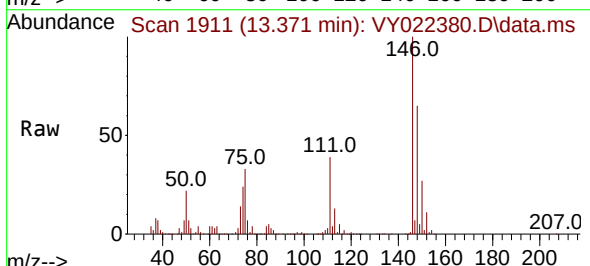
Concen: 52.704 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35



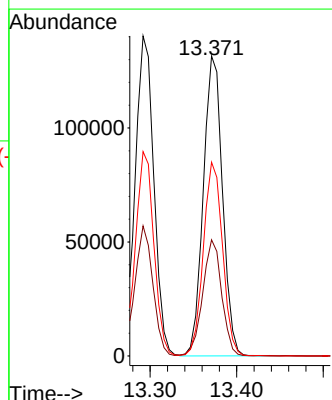
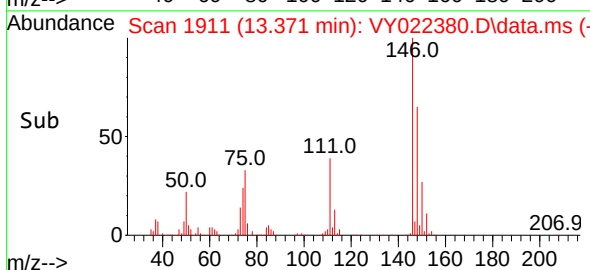
Tgt Ion:146 Resp: 202502

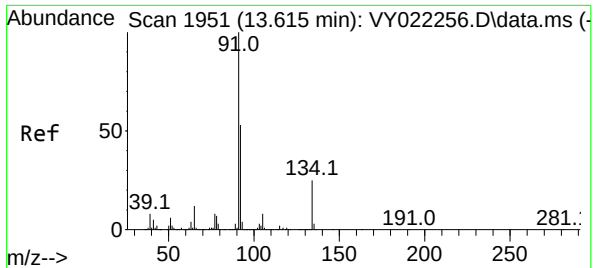
Ion Ratio Lower Upper

146 100

111 38.3 20.0 59.9

148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 55.365 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022380.D

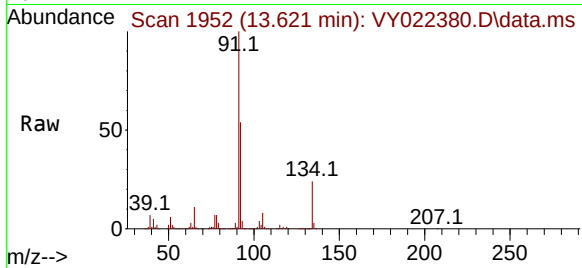
Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 91 Resp: 429840

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

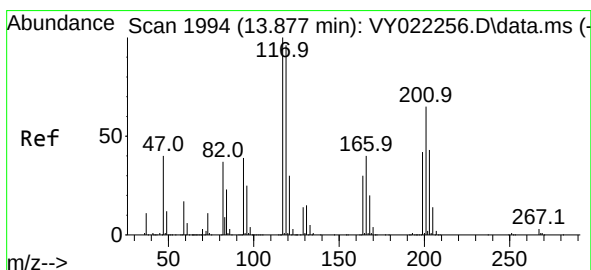
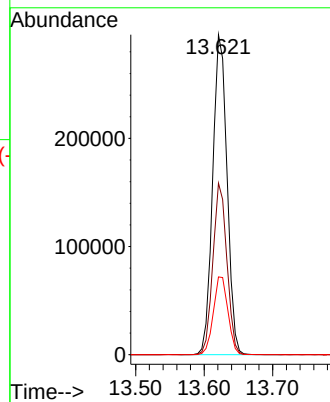
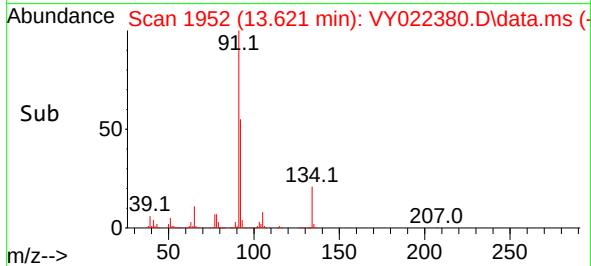
134 24.8 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#90

Hexachloroethane

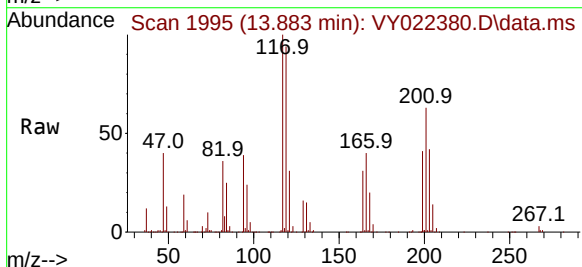
Concen: 53.097 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

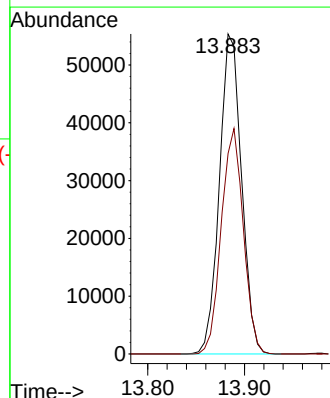
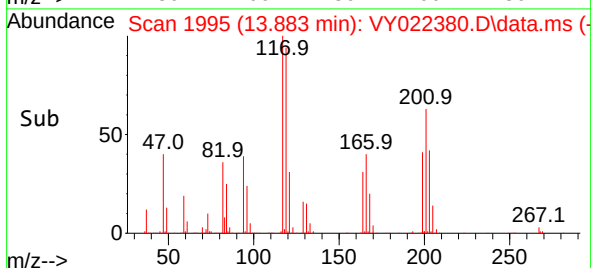


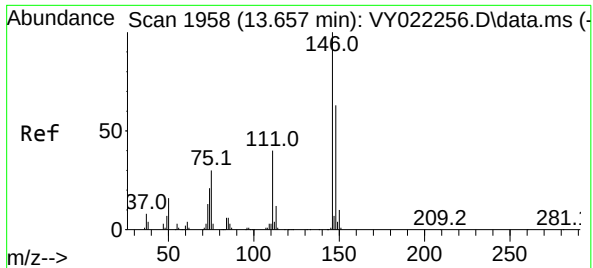
Tgt Ion:117 Resp: 87959

Ion Ratio Lower Upper

117 100

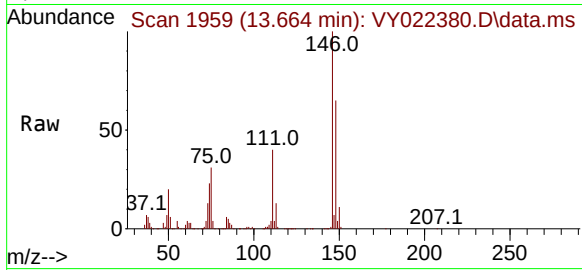
201 70.1 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 52.741 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

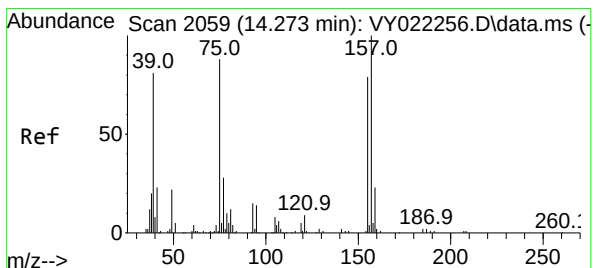
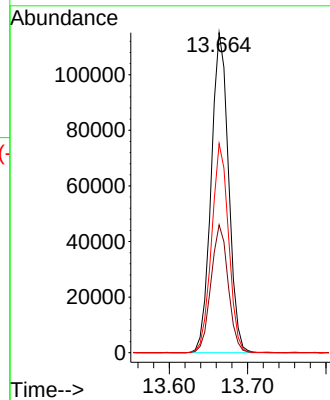
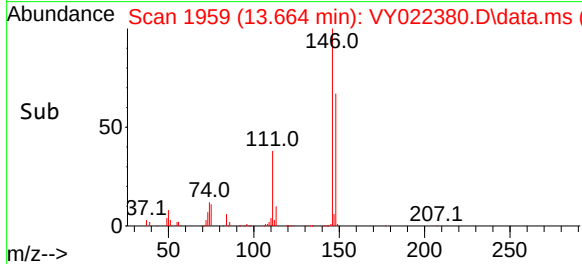
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 17696
Ion Ratio Lower Upper
146 100
111 39.5 20.5 61.5
148 64.0 32.0 96.0

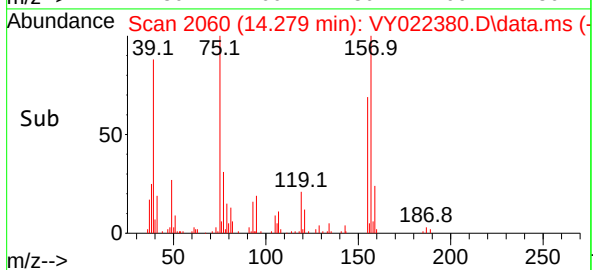
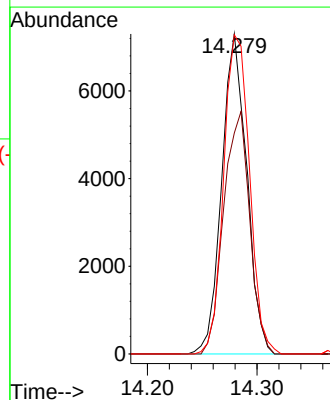
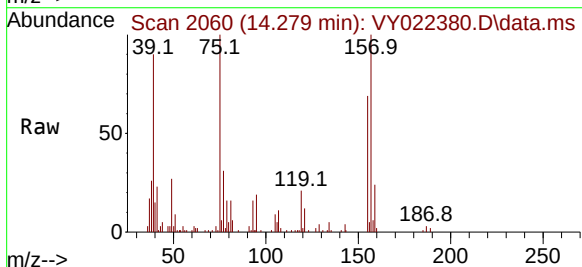
Manual Integrations
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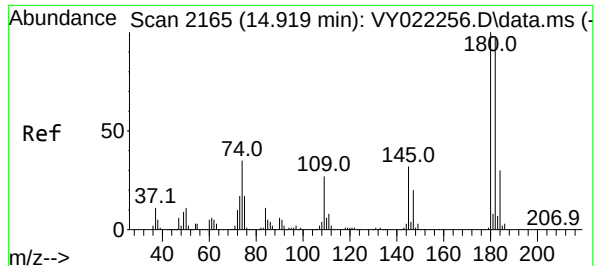
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.863 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 11556
Ion Ratio Lower Upper
75 100
155 78.9 43.4 130.1
157 103.4 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 53.492 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 10367

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.0

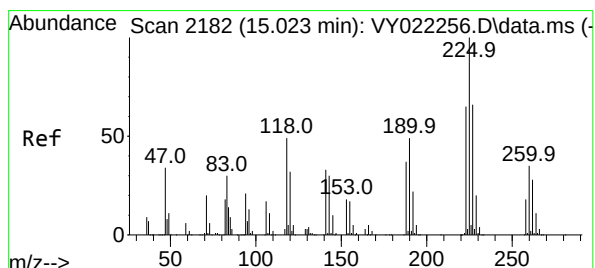
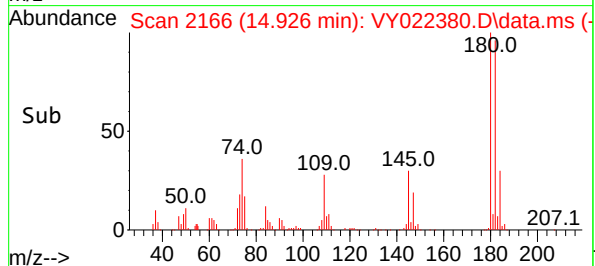
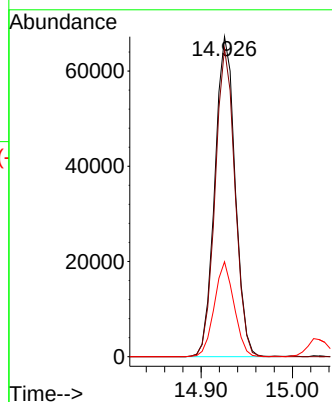
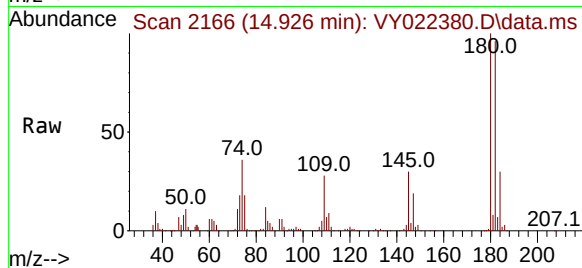
145 28.8 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#94

Hexachlorobutadiene

Concen: 52.980 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

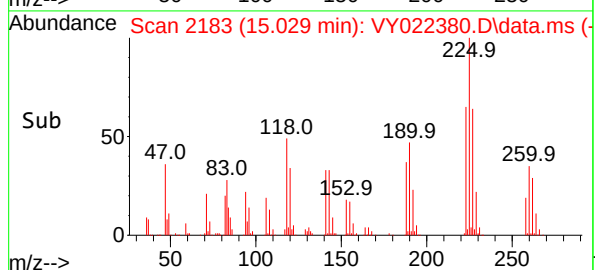
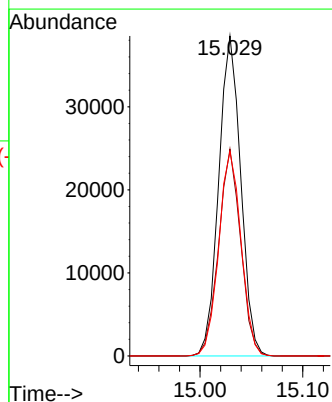
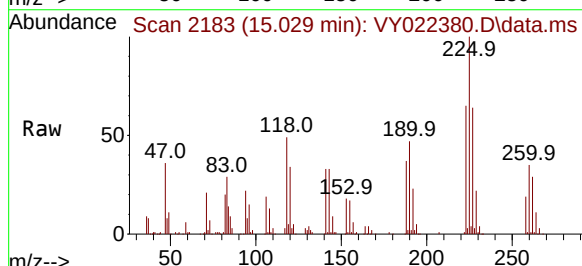
Tgt Ion:225 Resp: 57263

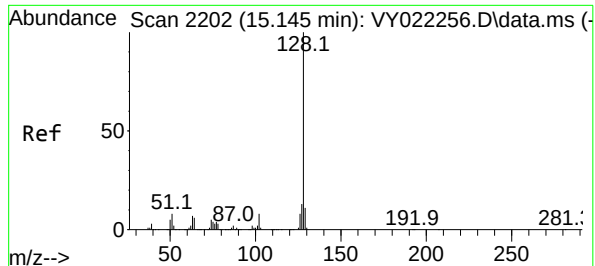
Ion Ratio Lower Upper

225 100

223 64.6 31.5 94.5

227 64.9 32.1 96.3





#95

Naphthalene

Concen: 50.990 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 18753

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

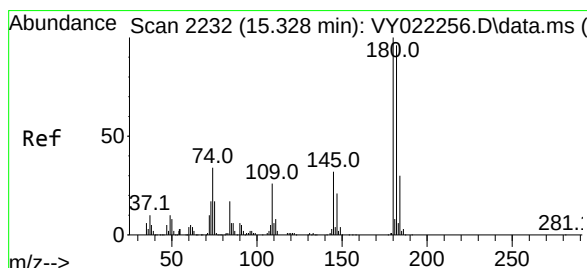
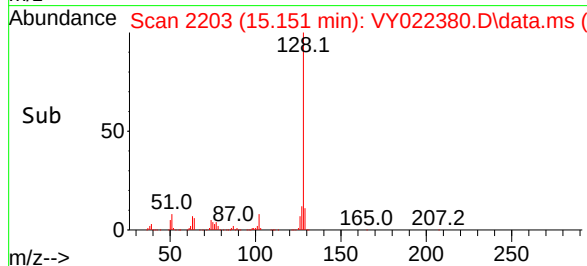
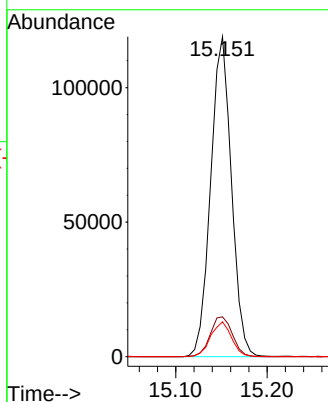
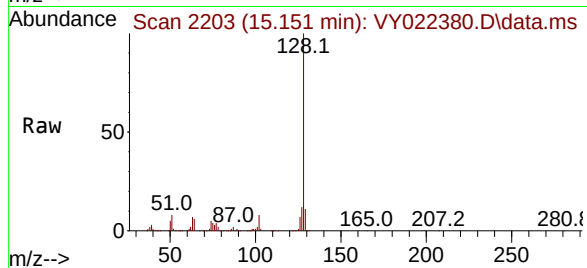
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.428 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022380.D

Acq: 22 May 2025 08:35

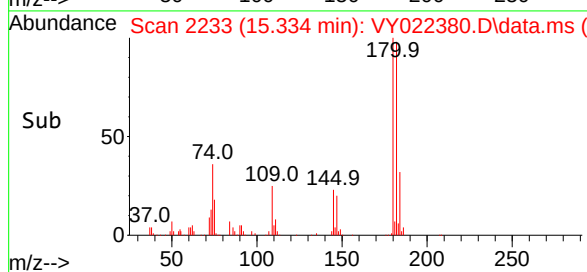
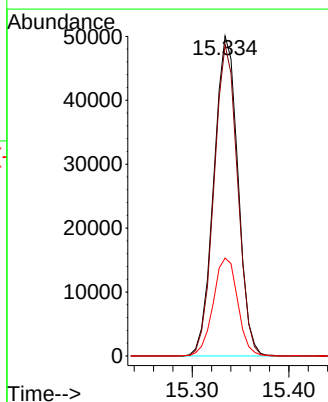
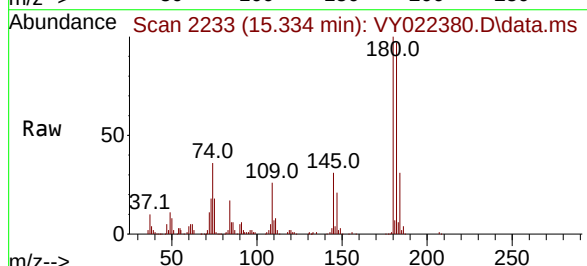
Tgt Ion:180 Resp: 86200

Ion Ratio Lower Upper

180 100

182 95.4 47.1 141.3

145 31.2 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	60	0.01
2 T	Dichlorodifluoromethane	0.522	0.512	1.9	61	0.01
3 P	Chloromethane	1.097	1.092	0.5	63	0.01
4 C	Vinyl Chloride	1.226	1.451	-18.4#	72	0.00
5 T	Bromomethane	0.998	1.202	-20.4	83	0.01
6 T	Chloroethane	0.763	0.992	-30.0#	79	0.01
7 T	Trichlorofluoromethane	1.241	1.338	-7.8	67	0.02
8 T	Diethyl Ether	0.298	0.301	-1.0	62	0.02
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.600	-11.3	67	0.00
10 T	Methyl Iodide	0.624	0.697	-11.7	61	0.01
11 T	Tert butyl alcohol	0.042	0.038	9.5	59	0.01
12 CM	1,1-Dichloroethene	0.535	0.576	-7.7#	65	0.01
13 T	Acrolein	0.061	0.027	55.7#	29#	0.01
14 T	Allyl chloride	0.938	0.886	5.5	56	0.02
15 T	Acrylonitrile	0.123	0.120	2.4	60	0.01
16 T	Acetone	0.102	0.096	5.9	63	0.00
17 T	Carbon Disulfide	1.744	1.805	-3.5	62	0.01
18 T	Methyl Acetate	0.323	0.304	5.9	61	0.02
19 T	Methyl tert-butyl Ether	1.475	1.522	-3.2	63	0.02
20 T	Methylene Chloride	0.662	0.614	7.3	62	0.01
21 T	trans-1,2-Dichloroethene	0.590	0.630	-6.8	64	0.02
22 T	Diisopropyl ether	1.980	1.925	2.8	58	0.01
23 T	Vinyl Acetate	1.196	1.114	6.9	57	0.02
24 P	1,1-Dichloroethane	1.106	1.155	-4.4	62	0.01
25 T	2-Butanone	0.171	0.154	9.9	58	0.01
26 T	2,2-Dichloropropane	0.984	1.067	-8.4	65	0.01
27 T	cis-1,2-Dichloroethene	0.681	0.741	-8.8	65	0.01
28 T	Bromochloromethane	0.472	0.490	-3.8	63	0.01
29 T	Tetrahydrofuran	0.110	0.100	9.1	57	0.01
30 C	Chloroform	1.061	1.157	-9.0#	65	0.01
31 T	Cyclohexane	1.105	1.072	3.0	61	0.01
32 T	1,1,1-Trichloroethane	0.974	1.054	-8.2	66	0.01
33 S	1,2-Dichloroethane-d4	0.546	0.561	-2.7	63	0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	62	0.00
35 S	Dibromofluoromethane	0.298	0.318	-6.7	66	0.01
36 T	1,1-Dichloropropene	0.492	0.517	-5.1	64	0.01
37 T	Ethyl Acetate	0.237	0.211	11.0	56	0.00
38 T	Carbon Tetrachloride	0.509	0.548	-7.7	66	0.01
39 T	Methylcyclohexane	0.660	0.694	-5.2	65	0.01
40 TM	Benzene	1.457	1.548	-6.2	64	0.01
41 T	Methacrylonitrile	0.157	0.143	8.9	56	0.04
42 TM	1,2-Dichloroethane	0.394	0.396	-0.5	62	0.01
43 T	Isopropyl Acetate	0.516	0.468	9.3	57	0.01
44 TM	Trichloroethene	0.362	0.385	-6.4	65	0.01
45 C	1,2-Dichloropropane	0.351	0.362	-3.1#	63	0.01
46 T	Dibromomethane	0.189	0.197	-4.2	65	0.00
47 T	Bromodichloromethane	0.492	0.514	-4.5	63	0.01
48 T	Methyl methacrylate	0.241	0.215	10.8	56	0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	65	0.00
50 S	Toluene-d8	1.222	1.298	-6.2	66	0.01
51 T	4-Methyl-2-Pentanone	0.253	0.230	9.1	57	0.00
52 CM	Toluene	0.923	0.978	-6.0#	65	0.00
53 T	t-1,3-Dichloropropene	0.480	0.478	0.4	61	0.01
54 T	cis-1,3-Dichloropropene	0.550	0.565	-2.7	63	0.01
55 T	1,1,2-Trichloroethane	0.243	0.246	-1.2	63	0.00
56 T	Ethyl methacrylate	0.378	0.372	1.6	61	0.00
57 T	1,3-Dichloropropane	0.431	0.443	-2.8	63	0.00
58 T	2-Chloroethyl Vinyl ether	0.170	0.180	-5.9	61	0.01
59 T	2-Hexanone	0.170	0.151	11.2	57	0.00
60 T	Dibromochloromethane	0.315	0.330	-4.8	64	0.01
61 T	1,2-Dibromoethane	0.226	0.236	-4.4	65	0.01
62 S	4-Bromofluorobenzene	0.387	0.387	0.0	62	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	62	0.00
64 T	Tetrachloroethene	0.462	0.502	-8.7	66	0.00
65 PM	Chlorobenzene	1.128	1.194	-5.9	64	0.01
66 T	1,1,1,2-Tetrachloroethane	0.388	0.402	-3.6	63	0.00
67 C	Ethyl Benzene	2.113	2.234	-5.7#	64	0.00
68 T	m/p-Xylenes	0.796	0.849	-6.7	65	0.00
69 T	o-Xylene	0.753	0.791	-5.0	64	0.01
70 T	Styrene	1.270	1.325	-4.3	63	0.00
71 P	Bromoform	0.209	0.212	-1.4	63	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	61	0.00
73 T	Isopropylbenzene	4.142	4.432	-7.0	65	0.00
74 T	N-amyl acetate	1.185	1.082	8.7	57	0.01
75 P	1,1,2,2-Tetrachloroethane	0.637	0.657	-3.1	64	0.00
76 T	1,2,3-Trichloropropane	0.507	0.499	1.6	61	0.00
77 T	Bromobenzene	0.885	0.930	-5.1	64	0.01
78 T	n-propylbenzene	4.996	5.385	-7.8	64	0.00
79 T	2-Chlorotoluene	2.746	2.881	-4.9	63	0.01
80 T	1,3,5-Trimethylbenzene	3.344	3.533	-5.7	64	0.00
81 T	trans-1,4-Dichloro-2-butene	0.250	0.234	6.4	61	0.00
82 T	4-Chlorotoluene	2.824	2.941	-4.1	62	0.01
83 T	tert-Butylbenzene	2.972	3.200	-7.7	65	0.00
84 T	1,2,4-Trimethylbenzene	3.319	3.526	-6.2	63	0.00
85 T	sec-Butylbenzene	4.412	4.835	-9.6	65	0.00
86 T	p-Isopropyltoluene	3.710	4.077	-9.9	65	0.00
87 T	1,3-Dichlorobenzene	1.806	1.920	-6.3	64	0.00
88 T	1,4-Dichlorobenzene	1.737	1.831	-5.4	64	0.00
89 T	n-Butylbenzene	3.510	3.887	-10.7	65	0.00
90 T	Hexachloroethane	0.749	0.795	-6.1	64	0.00
91 T	1,2-Dichlorobenzene	1.517	1.600	-5.5	64	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.104	-1.0	64	0.00
93 T	1,2,4-Trichlorobenzene	0.876	0.937	-7.0	64	0.00
94 T	Hexachlorobutadiene	0.489	0.518	-5.9	63	0.00
95 T	Naphthalene	1.663	1.696	-2.0	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
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 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	0.743	0.779	-4.8	64	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	60	0.01
2 T	Dichlorodifluoromethane	50.000	49.047	1.9	61	0.01
3 P	Chloromethane	50.000	49.773	0.5	63	0.01
4 C	Vinyl Chloride	50.000	59.188	-18.4#	72	0.00
5 T	Bromomethane	50.000	60.227	-20.5	83	0.01
6 T	Chloroethane	50.000	65.048	-30.1#	79	0.01
7 T	Trichlorofluoromethane	50.000	53.896	-7.8	67	0.02
8 T	Diethyl Ether	50.000	50.471	-0.9	62	0.02
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.692	-11.4	67	0.00
10 T	Methyl Iodide	50.000	55.849	-11.7	61	0.01
11 T	Tert butyl alcohol	250.000	227.243	9.1	59	0.01
12 CM	1,1-Dichloroethene	50.000	53.894	-7.8#	65	0.01
13 T	Acrolein	250.000	109.497	56.2#	29	0.01
14 T	Allyl chloride	50.000	47.221	5.6	56	0.02
15 T	Acrylonitrile	250.000	243.864	2.5	60	0.01
16 T	Acetone	250.000	235.333	5.9	63	0.00
17 T	Carbon Disulfide	50.000	51.759	-3.5	62	0.01
18 T	Methyl Acetate	50.000	46.981	6.0	61	0.02
19 T	Methyl tert-butyl Ether	50.000	51.604	-3.2	63	0.02
20 T	Methylene Chloride	50.000	46.380	7.2	62	0.01
21 T	trans-1,2-Dichloroethene	50.000	53.333	-6.7	64	0.02
22 T	Diisopropyl ether	50.000	48.607	2.8	58	0.01
23 T	Vinyl Acetate	250.000	232.677	6.9	57	0.02
24 P	1,1-Dichloroethane	50.000	52.212	-4.4	62	0.01
25 T	2-Butanone	250.000	225.284	9.9	58	0.01
26 T	2,2-Dichloropropane	50.000	54.202	-8.4	65	0.01
27 T	cis-1,2-Dichloroethene	50.000	54.417	-8.8	65	0.01
28 T	Bromochloromethane	50.000	51.923	-3.8	63	0.01
29 T	Tetrahydrofuran	250.000	227.418	9.0	57	0.01
30 C	Chloroform	50.000	54.509	-9.0#	65	0.01
31 T	Cyclohexane	50.000	48.489	3.0	61	0.01
32 T	1,1,1-Trichloroethane	50.000	54.115	-8.2	66	0.01
33 S	1,2-Dichloroethane-d4	50.000	51.370	-2.7	63	0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	62	0.00
35 S	Dibromofluoromethane	50.000	53.337	-6.7	66	0.01
36 T	1,1-Dichloropropene	50.000	52.597	-5.2	64	0.01
37 T	Ethyl Acetate	50.000	44.661	10.7	56	0.00
38 T	Carbon Tetrachloride	50.000	53.827	-7.7	66	0.01
39 T	Methylcyclohexane	50.000	52.569	-5.1	65	0.01
40 TM	Benzene	50.000	53.106	-6.2	64	0.01
41 T	Methacrylonitrile	50.000	45.426	9.1	56	0.04
42 TM	1,2-Dichloroethane	50.000	50.267	-0.5	62	0.01
43 T	Isopropyl Acetate	50.000	45.395	9.2	57	0.01
44 TM	Trichloroethene	50.000	53.190	-6.4	65	0.01
45 C	1,2-Dichloropropane	50.000	51.460	-2.9#	63	0.01
46 T	Dibromomethane	50.000	51.917	-3.8	65	0.00
47 T	Bromodichloromethane	50.000	52.278	-4.6	63	0.01
48 T	Methyl methacrylate	50.000	44.496	11.0	56	0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 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 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	994.901	0.5	65	0.00
50 S	Toluene-d8	50.000	53.110	-6.2	66	0.01
51 T	4-Methyl-2-Pentanone	250.000	227.107	9.2	57	0.00
52 CM	Toluene	50.000	53.002	-6.0#	65	0.00
53 T	t-1,3-Dichloropropene	50.000	49.816	0.4	61	0.01
54 T	cis-1,3-Dichloropropene	50.000	51.367	-2.7	63	0.01
55 T	1,1,2-Trichloroethane	50.000	50.711	-1.4	63	0.00
56 T	Ethyl methacrylate	50.000	49.163	1.7	61	0.00
57 T	1,3-Dichloropropane	50.000	51.386	-2.8	63	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.693	-6.3	61	0.01
59 T	2-Hexanone	250.000	222.384	11.0	57	0.00
60 T	Dibromochloromethane	50.000	52.423	-4.8	64	0.01
61 T	1,2-Dibromoethane	50.000	52.166	-4.3	65	0.01
62 S	4-Bromofluorobenzene	50.000	49.898	0.2	62	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	62	0.00
64 T	Tetrachloroethene	50.000	54.305	-8.6	66	0.00
65 PM	Chlorobenzene	50.000	52.931	-5.9	64	0.01
66 T	1,1,1,2-Tetrachloroethane	50.000	51.774	-3.5	63	0.00
67 C	Ethyl Benzene	50.000	52.876	-5.8#	64	0.00
68 T	m/p-Xylenes	100.000	106.617	-6.6	65	0.00
69 T	o-Xylene	50.000	52.518	-5.0	64	0.01
70 T	Styrene	50.000	52.163	-4.3	63	0.00
71 P	Bromoform	50.000	50.521	-1.0	63	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	61	0.00
73 T	Isopropylbenzene	50.000	53.502	-7.0	65	0.00
74 T	N-ethyl acetate	50.000	45.682	8.6	57	0.01
75 P	1,1,2,2-Tetrachloroethane	50.000	51.561	-3.1	64	0.00
76 T	1,2,3-Trichloropropane	50.000	49.223	1.6	61	0.00
77 T	Bromobenzene	50.000	52.574	-5.1	64	0.01
78 T	n-propylbenzene	50.000	53.885	-7.8	64	0.00
79 T	2-Chlorotoluene	50.000	52.461	-4.9	63	0.01
80 T	1,3,5-Trimethylbenzene	50.000	52.837	-5.7	64	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.827	6.3	61	0.00
82 T	4-Chlorotoluene	50.000	52.070	-4.1	62	0.01
83 T	tert-Butylbenzene	50.000	53.844	-7.7	65	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.109	-6.2	63	0.00
85 T	sec-Butylbenzene	50.000	54.800	-9.6	65	0.00
86 T	p-Isopropyltoluene	50.000	54.938	-9.9	65	0.00
87 T	1,3-Dichlorobenzene	50.000	53.142	-6.3	64	0.00
88 T	1,4-Dichlorobenzene	50.000	52.704	-5.4	64	0.00
89 T	n-Butylbenzene	50.000	55.365	-10.7	65	0.00
90 T	Hexachloroethane	50.000	53.097	-6.2	64	0.00
91 T	1,2-Dichlorobenzene	50.000	52.741	-5.5	64	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.863	-1.7	64	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.492	-7.0	64	0.00
94 T	Hexachlorobutadiene	50.000	52.980	-6.0	63	0.00
95 T	Naphthalene	50.000	50.990	-2.0	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
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 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	52.428	-4.9	64	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100

Instrument ID: MSVOA_Y Calibration Date/Time: 05/23/2025 14:34

Lab File ID: VY022407.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.529		1.34	20
Chloromethane	1.097	1.312	0.1	19.6	20
Vinyl Chloride	1.226	1.569		27.98	20
Bromomethane	0.998	1.869		87.28	20
Chloroethane	0.763	1.174		53.87	20
Trichlorofluoromethane	1.241	1.446		16.52	20
1,1,2-Trichlorotrifluoroethane	0.539	0.598		10.95	20
1,1-Dichloroethene	0.535	0.580		8.41	20
Acetone	0.102	0.112		9.8	20
Carbon Disulfide	1.744	1.866		6.99	20
Methyl tert-butyl Ether	1.475	1.534		4	20
Methyl Acetate	0.323	0.277		-14.24	20
Methylene Chloride	0.662	0.610		-7.86	20
trans-1,2-Dichloroethene	0.590	0.629		6.61	20
1,1-Dichloroethane	1.106	1.138	0.1	2.89	20
Cyclohexane	1.105	1.069		-3.26	20
2-Butanone	0.171	0.165		-3.51	20
Carbon Tetrachloride	0.509	0.543		6.68	20
cis-1,2-Dichloroethene	0.681	0.745		9.4	20
Bromochloromethane	0.472	0.452		-4.24	20
Chloroform	1.061	1.137		7.16	20
1,1,1-Trichloroethane	0.974	1.014		4.11	20
Methylcyclohexane	0.660	0.714		8.18	20
Benzene	1.457	1.555		6.73	20
1,2-Dichloroethane	0.394	0.407		3.3	20
Trichloroethene	0.362	0.386		6.63	20
1,2-Dichloropropane	0.351	0.363		3.42	20
Bromodichloromethane	0.492	0.522		6.1	20
4-Methyl-2-Pentanone	0.253	0.241		-4.74	20
Toluene	0.923	0.988		7.04	20
t-1,3-Dichloropropene	0.480	0.487		1.46	20
cis-1,3-Dichloropropene	0.550	0.574		4.36	20
1,1,2-Trichloroethane	0.243	0.261		7.41	20
2-Hexanone	0.170	0.166		-2.35	20
Dibromochloromethane	0.315	0.339		7.62	20
1,2-Dibromoethane	0.226	0.243		7.52	20
Tetrachloroethene	0.462	0.463		0.22	20
Chlorobenzene	1.128	1.192	0.3	5.67	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: CAMP02
 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG No.: Q2100
 Instrument ID: MSVOA_Y Calibration Date/Time: 05/23/2025 14:34
 Lab File ID: VY022407.D Init. Calib. Date(s): 05/15/2025 05/15/2025
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.113	2.220		5.06	20
m/p-Xylenes	0.796	0.846		6.28	20
o-Xylene	0.753	0.797		5.84	20
Styrene	1.270	1.334		5.04	20
Bromoform	0.209	0.212	0.1	1.43	20
Isopropylbenzene	4.142	4.256		2.75	20
1,1,2,2-Tetrachloroethane	0.637	0.668	0.3	4.87	20
1,3-Dichlorobenzene	1.806	1.855		2.71	20
1,4-Dichlorobenzene	1.737	1.766		1.67	20
1,2-Dichlorobenzene	1.517	1.547		1.98	20
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	20
1,2,4-Trichlorobenzene	0.876	0.871		-0.57	20
1,2,3-Trichlorobenzene	0.743	0.748		0.67	20
1,2-Dichloroethane-d4	0.546	0.475		-13	20
Dibromofluoromethane	0.298	0.280		-6.04	20
Toluene-d8	1.222	1.060		-13.26	20
4-Bromofluorobenzene	0.387	0.334		-13.69	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\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	221240	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	368290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	105056	43.448	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.900%		
35) Dibromofluoromethane	7.640	113	103275	46.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.960%		
50) Toluene-d8	10.115	98	390436	43.369	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.740%		
62) 4-Bromofluorobenzene	12.414	95	123042	43.119	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	116968	50.667	ug/l	96
3) Chloromethane	2.074	50	290256	59.771	ug/l	98
4) Vinyl Chloride	2.208	62	347178	63.990	ug/l	100
5) Bromomethane	2.598	94	413446	93.610	ug/l	96
6) Chloroethane	2.738	64	259722	76.947	ug/l	95
7) Trichlorofluoromethane	3.055	101	319919	58.240	ug/l	99
8) Diethyl Ether	3.464	74	67445	51.162	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	132232	55.449	ug/l	99
10) Methyl Iodide	4.013	142	155151	56.212	ug/l	99
11) Tert butyl alcohol	4.891	59	43078	233.304	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	128262	54.199	ug/l	98
13) Acrolein	3.671	56	5422	20.087	ug/l	87
14) Allyl chloride	4.397	41	191433	46.134	ug/l	93
15) Acrylonitrile	5.073	53	136585	251.450	ug/l	99
16) Acetone	3.891	43	124446	274.484	ug/l	93
17) Carbon Disulfide	4.110	76	412873	53.502	ug/l	100
18) Methyl Acetate	4.397	43	61387	42.944	ug/l #	91
19) Methyl tert-butyl Ether	5.128	73	339482	52.026	ug/l	94
20) Methylene Chloride	4.622	84	135048	46.098	ug/l	92
21) trans-1,2-Dichloroethene	5.128	96	139138	53.266	ug/l	91
22) Diisopropyl ether	6.031	45	412983	47.129	ug/l	98
23) Vinyl Acetate	5.970	43	1279163	241.628	ug/l	97
24) 1,1-Dichloroethane	5.921	63	251699	51.413	ug/l	99
25) 2-Butanone	6.908	43	182592	240.768	ug/l	98
26) 2,2-Dichloropropane	6.896	77	229889	52.796	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	164793	54.670	ug/l	96
28) Bromochloromethane	7.250	49	100083	47.928	ug/l	95
29) Tetrahydrofuran	7.274	42	115013	235.730	ug/l	93
30) Chloroform	7.427	83	251591	53.578	ug/l	94
31) Cyclohexane	7.713	56	236552	48.361	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	224345	52.075	ug/l	99
36) 1,1-Dichloropropene	7.847	75	193158	53.349	ug/l	99
37) Ethyl Acetate	6.994	43	83173	47.744	ug/l #	96
38) Carbon Tetrachloride	7.829	117	199987	53.361	ug/l	99
39) Methylcyclohexane	9.115	83	262827	54.032	ug/l	97
40) Benzene	8.085	78	572541	53.342	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:19:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M

Quant Title : SW846 8260

QLast Update : Fri May 16 01:42:09 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	55931m	48.401	ug/l	
42) 1,2-Dichloroethane	8.164	62	150005	51.680	ug/l	99
43) Isopropyl Acetate	8.207	43	180176	47.424	ug/l	96
44) Trichloroethene	8.872	130	142169	53.270	ug/l	95
45) 1,2-Dichloropropane	9.146	63	133774	51.695	ug/l	97
46) Dibromomethane	9.237	93	74785	53.582	ug/l	100
47) Bromodichloromethane	9.432	83	192142	53.066	ug/l	99
48) Methyl methacrylate	9.225	41	82263	46.300	ug/l	92
49) 1,4-Dioxane	9.243	88	15964	1012.465	ug/l	91
51) 4-Methyl-2-Pentanone	10.005	43	444290	238.329	ug/l	94
52) Toluene	10.176	92	363814	53.527	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	179206	50.715	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	211578	52.261	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	95964	53.693	ug/l	97
56) Ethyl methacrylate	10.444	69	143099	51.400	ug/l	96
57) 1,3-Dichloropropane	10.725	76	168420	53.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	319778	255.904	ug/l	97
59) 2-Hexanone	10.768	43	305492	244.413	ug/l	96
60) Dibromochloromethane	10.920	129	124963	53.868	ug/l	100
61) 1,2-Dibromoethane	11.017	107	89675	53.833	ug/l	99
64) Tetrachloroethene	10.652	164	148025	50.091	ug/l	99
65) Chlorobenzene	11.450	112	380959	52.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	129105	52.064	ug/l	99
67) Ethyl Benzene	11.523	91	709631	52.532	ug/l	98
68) m/p-Xylenes	11.633	106	541165	106.314	ug/l	98
69) o-Xylene	11.962	106	254806	52.908	ug/l	96
70) Styrene	11.975	104	426601	52.512	ug/l	98
71) Bromoform	12.139	173	67751	50.619	ug/l #	100
73) Isopropylbenzene	12.261	105	664453	51.371	ug/l	100
74) N-amyl acetate	12.072	43	169349	45.779	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	104308	52.437	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	77565m	49.038	ug/l	
77) Bromobenzene	12.536	156	139511	50.501	ug/l	98
78) n-propylbenzene	12.603	91	809774	51.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	427999	49.921	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	525917	50.370	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	36785	47.111	ug/l	97
82) 4-Chlorotoluene	12.779	91	439995	49.894	ug/l	97
83) tert-Butylbenzene	13.005	119	474547	51.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	526654	50.812	ug/l	98
85) sec-Butylbenzene	13.182	105	714168	51.842	ug/l	100
86) p-Isopropyltoluene	13.298	119	606476	52.345	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	289621	51.356	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	275777	50.838	ug/l	98
89) n-Butylbenzene	13.621	91	571460	52.136	ug/l	99
90) Hexachloroethane	13.883	117	116364	49.754	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	241462	50.973	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15803	49.266	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	136047	49.720	ug/l	99
94) Hexachlorobutadiene	15.029	225	75960	49.779	ug/l	99
95) Naphthalene	15.151	128	261527	50.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	116775	50.307	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022407.D
Acq On : 23 May 2025 14:34
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 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:19:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

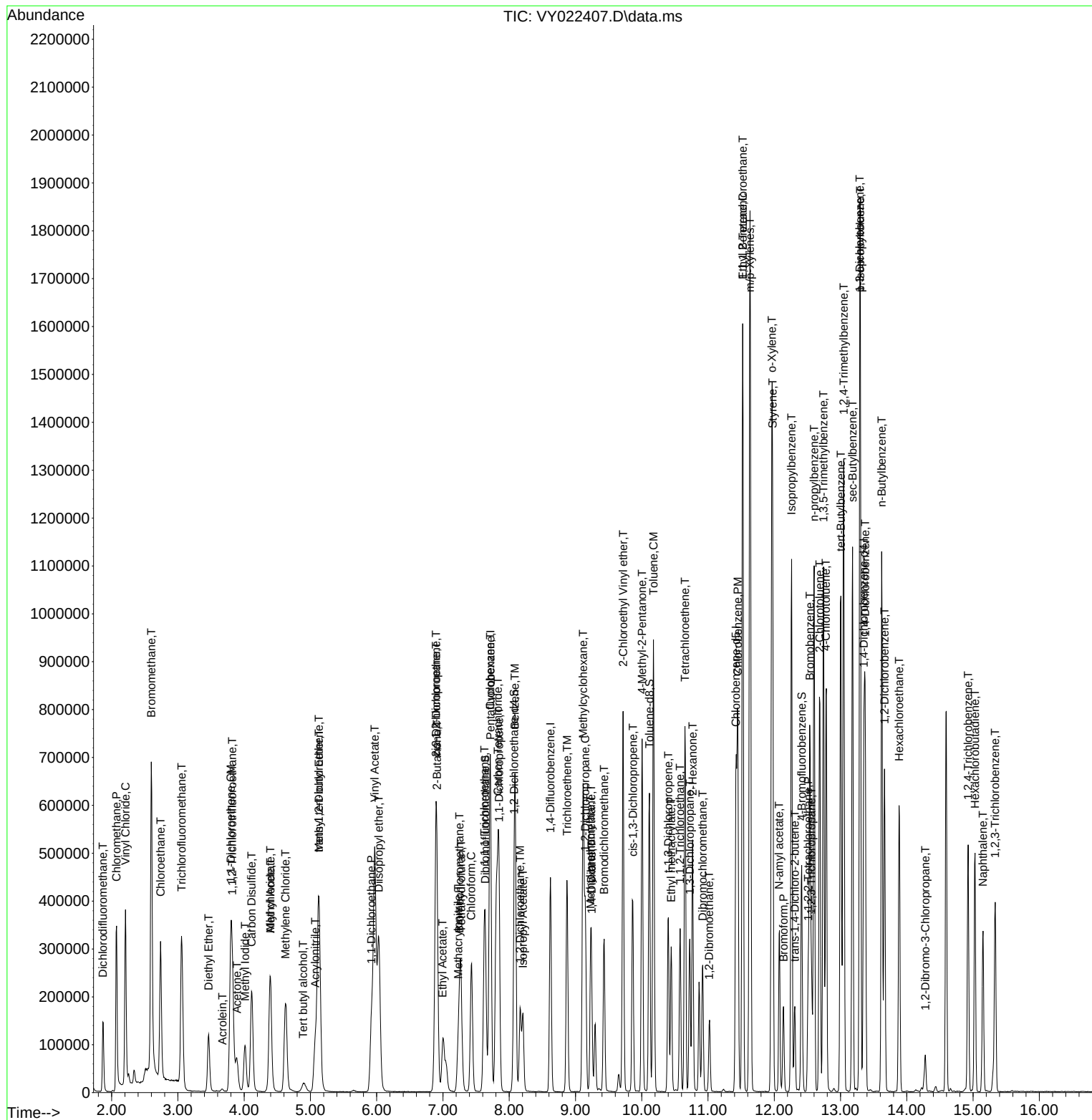
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Data File : VY022407.D
Acq On : 23 May 2025 14:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

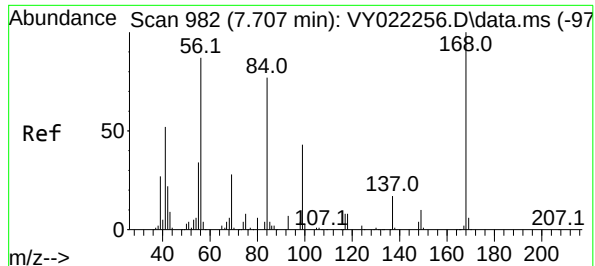
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

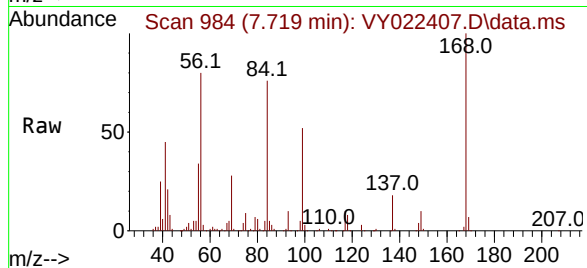
Quant Time: May 23 23:19:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

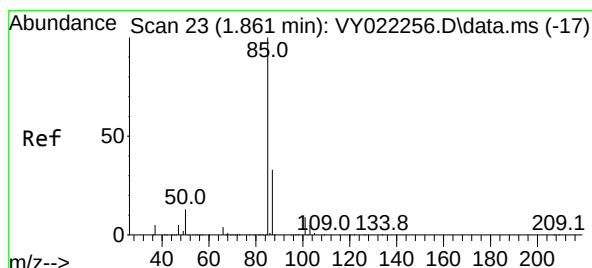
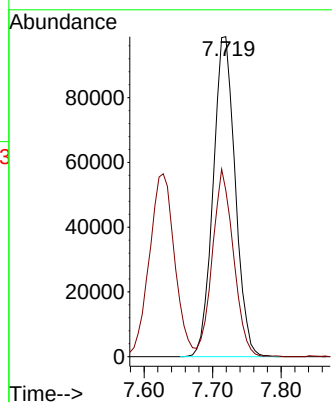
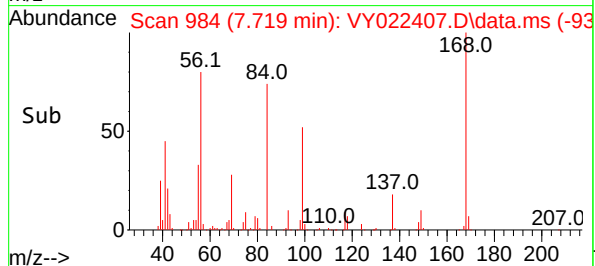
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 221240
Ion Ratio Lower Upper
168 100
99 51.8 44.2 66.4

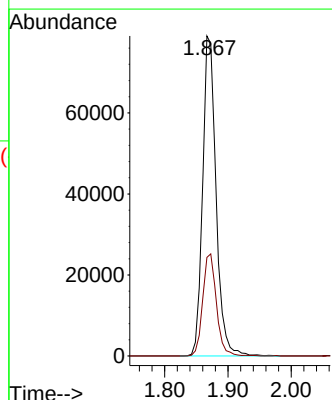
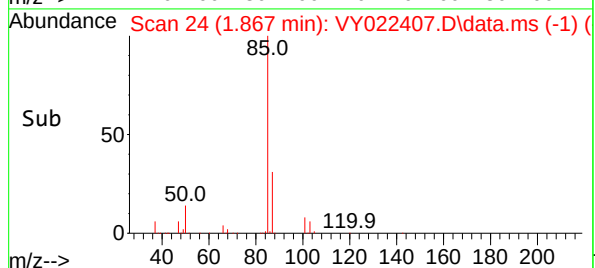
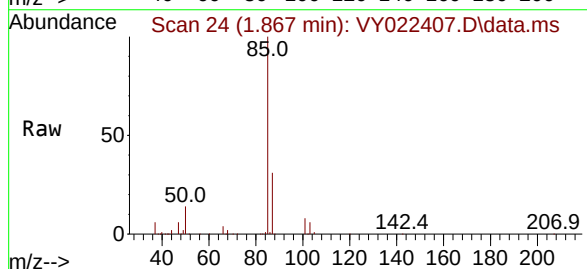
Manual Integrations
APPROVED

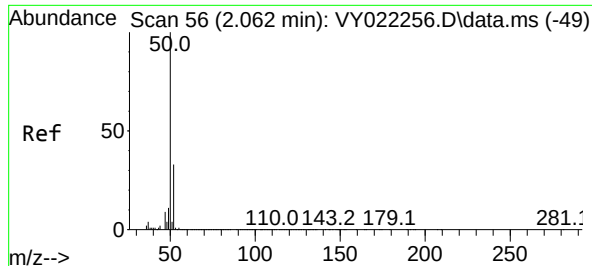
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#2
Dichlorodifluoromethane
Concen: 50.667 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

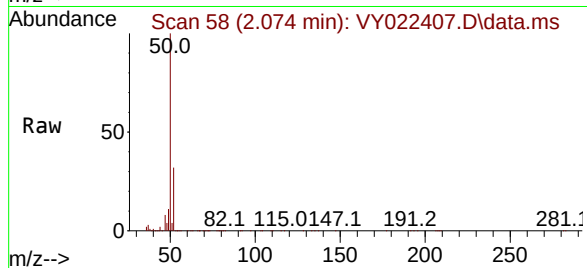
Tgt Ion: 85 Resp: 116968
Ion Ratio Lower Upper
85 100
87 30.8 16.5 49.5





#3
Chloromethane
Concen: 59.771 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

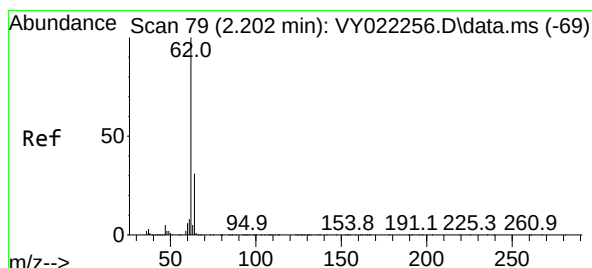
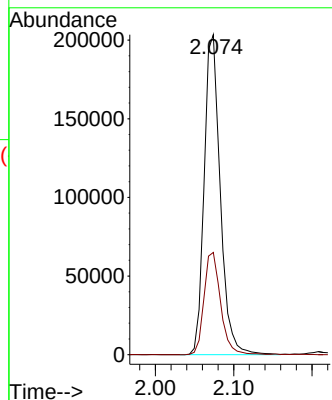
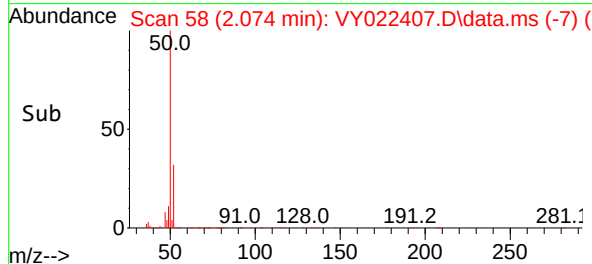
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 290250
Ion Ratio Lower Upper
50 100
52 32.0 26.5 39.7

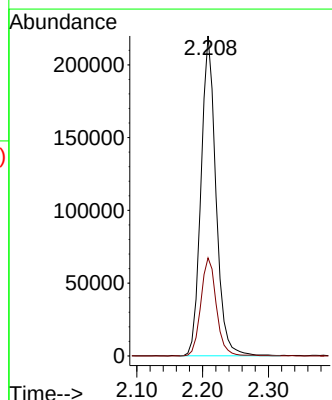
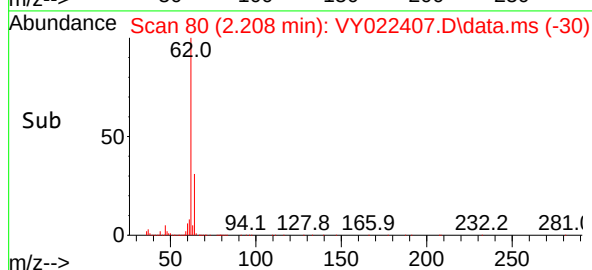
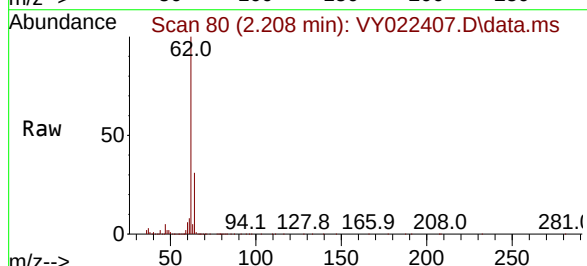
Manual Integrations
APPROVED

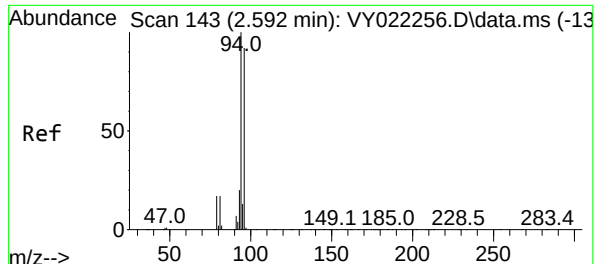
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#4
Vinyl Chloride
Concen: 63.990 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

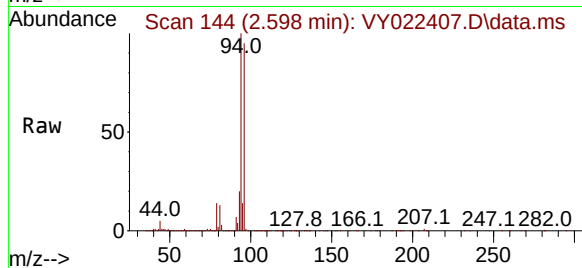
Tgt Ion: 62 Resp: 347178
Ion Ratio Lower Upper
62 100
64 30.7 24.5 36.7





#5
Bromomethane
Concen: 93.610 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

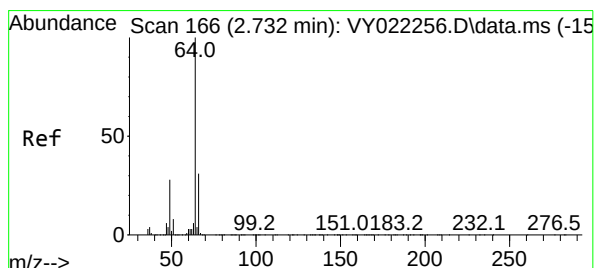
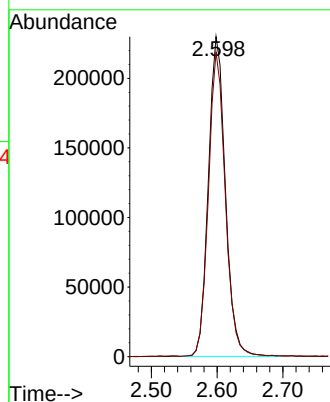
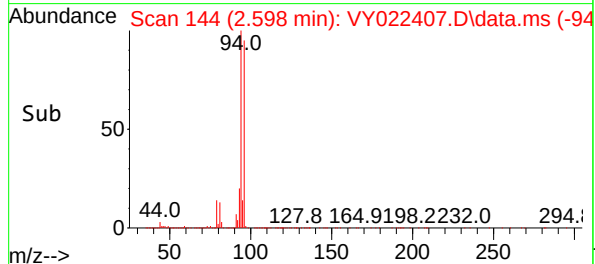
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 413440
Ion Ratio Lower Upper
94 100
96 95.1 73.4 110.0

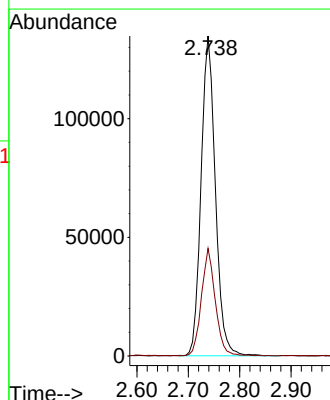
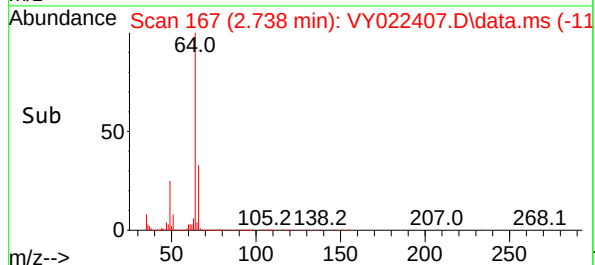
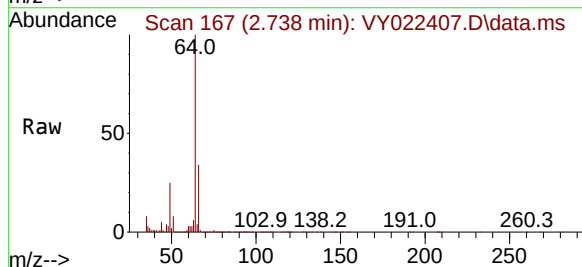
Manual Integrations
APPROVED

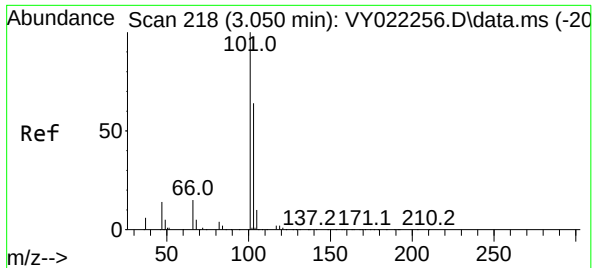
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#6
Chloroethane
Concen: 76.947 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

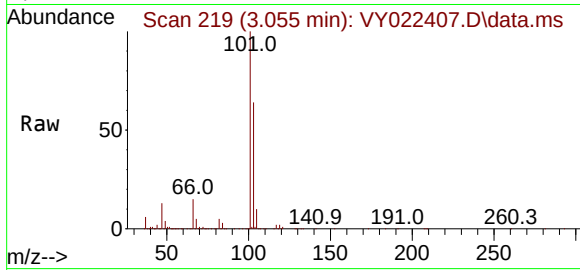
Tgt Ion: 64 Resp: 259722
Ion Ratio Lower Upper
64 100
66 33.5 24.8 37.2





#7
Trichlorofluoromethane
Concen: 58.240 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

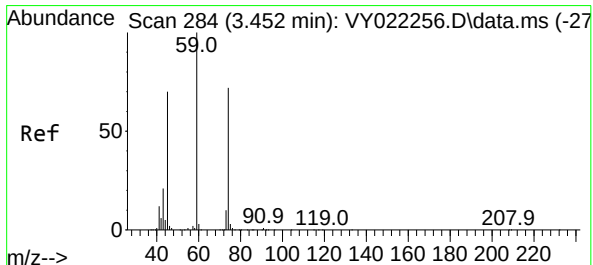
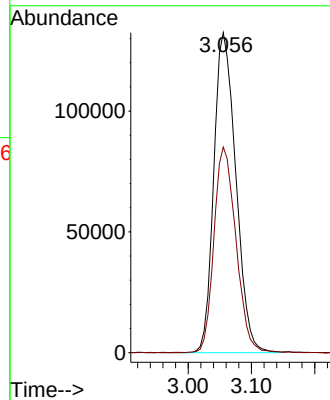
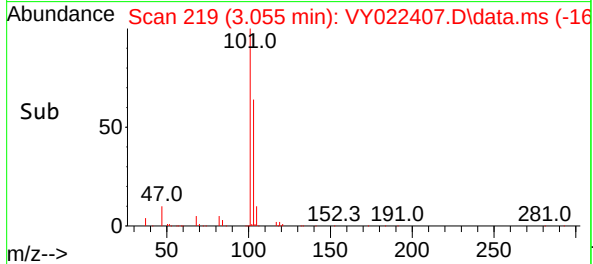
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 319919
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

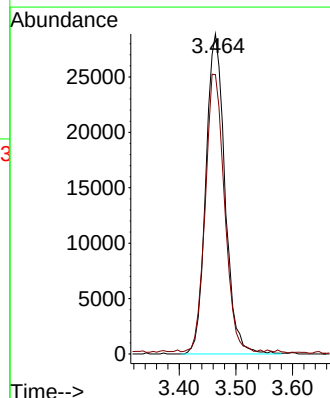
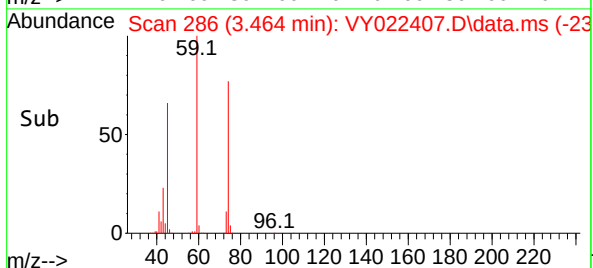
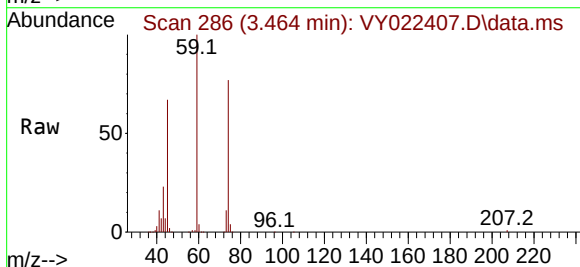
Manual Integrations
APPROVED

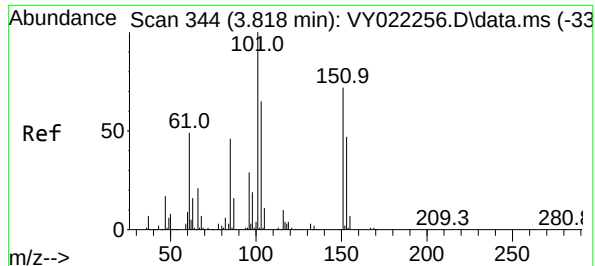
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#8
Diethyl Ether
Concen: 51.162 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

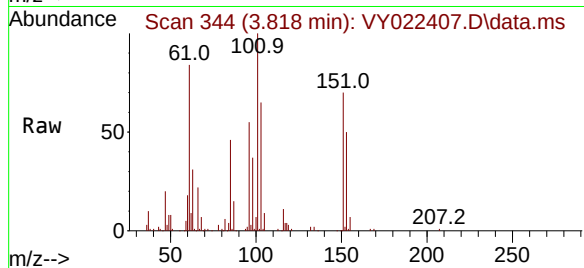
Tgt Ion: 74 Resp: 67445
Ion Ratio Lower Upper
74 100
45 87.1 48.6 145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.449 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

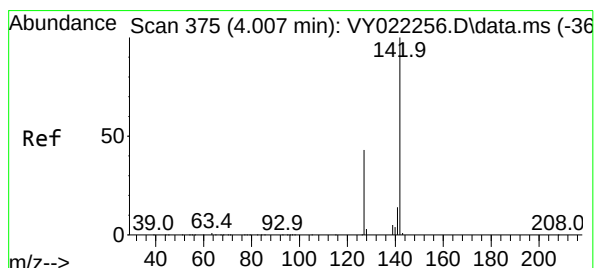
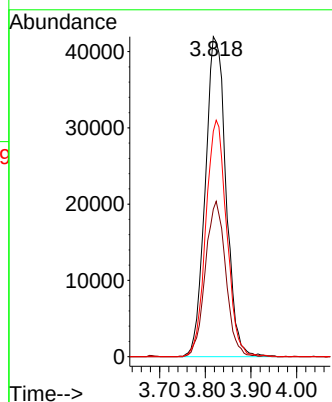
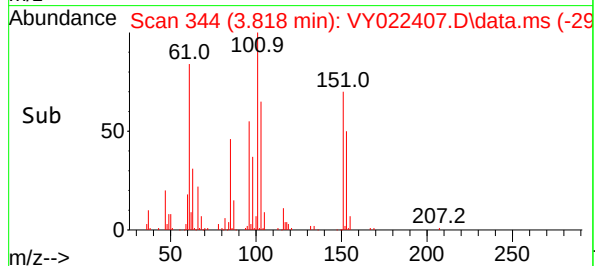
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 13223
Ion Ratio Lower Upper
101 100
85 47.8 38.6 58.0
151 74.1 59.7 89.5

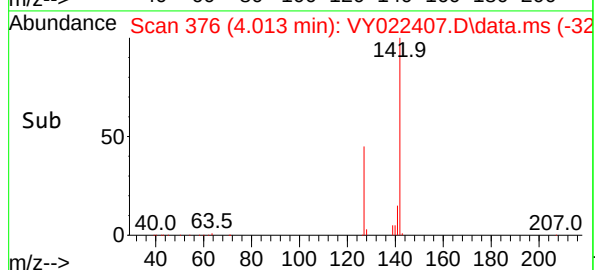
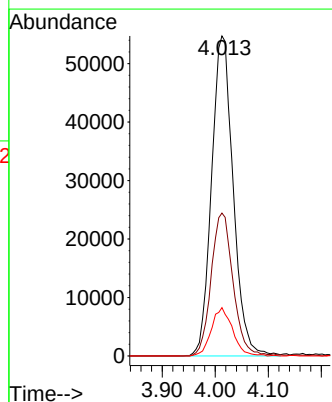
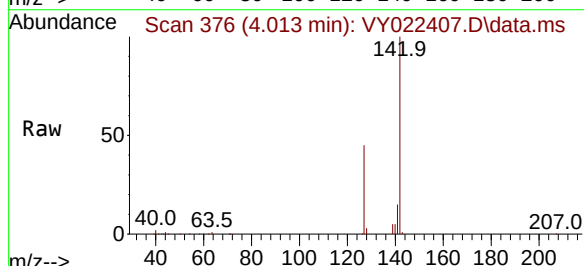
Manual Integrations
APPROVED

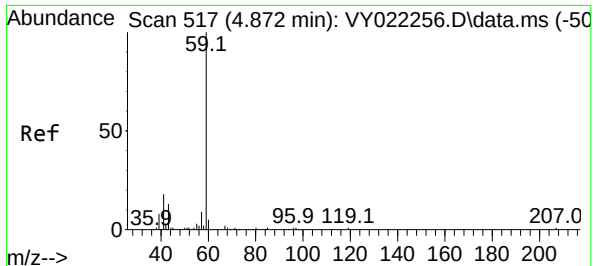
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#10
Methyl Iodide
Concen: 56.212 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

Tgt Ion:142 Resp: 155151
Ion Ratio Lower Upper
142 100
127 45.1 35.7 53.5
141 14.8 11.1 16.7





#11

Tert butyl alcohol

Concen: 233.304 ug/l

RT: 4.891 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY022407.D

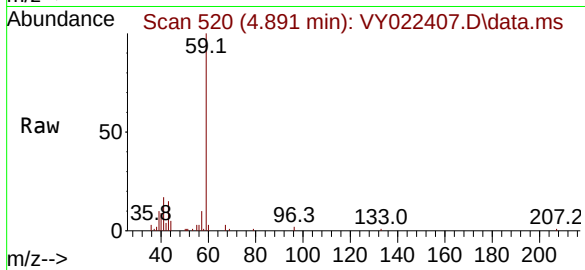
Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 59 Resp: 43078

Ion Ratio Lower Upper

59 100

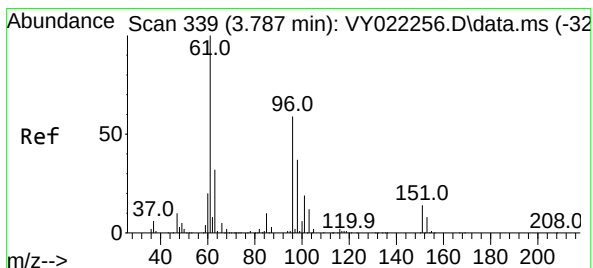
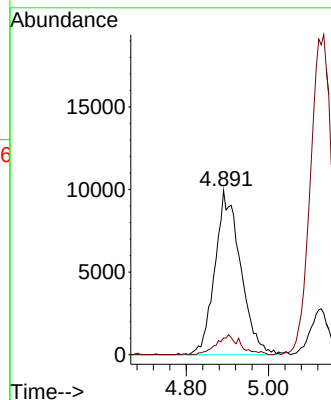
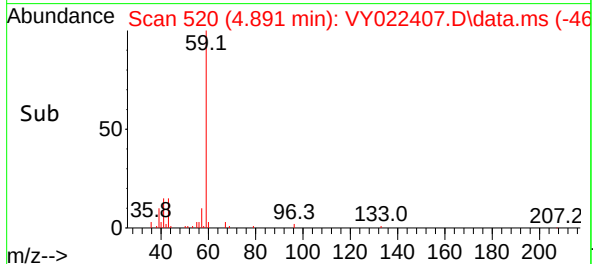
57 11.4 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#12

1,1-Dichloroethene

Concen: 54.199 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

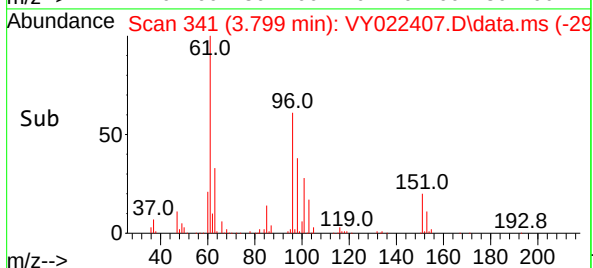
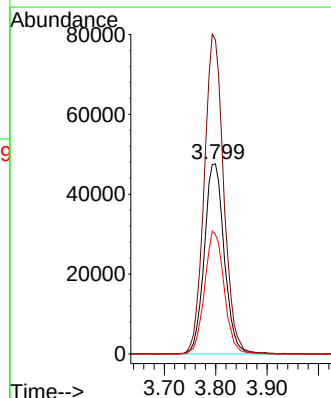
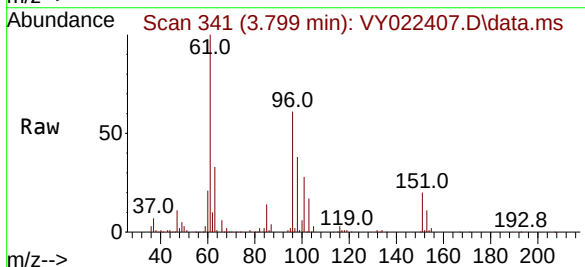
Tgt Ion: 96 Resp: 128262

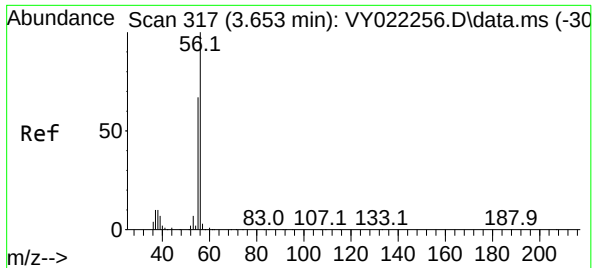
Ion Ratio Lower Upper

96 100

61 165.1 134.9 202.3

98 62.9 49.9 74.9





#13

Acrolein

Concen: 20.087 ug/l

RT: 3.671 min Scan# 317

Delta R.T. 0.018 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

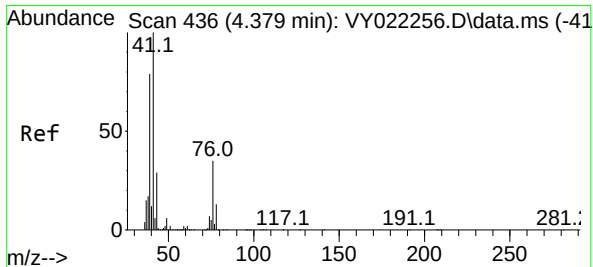
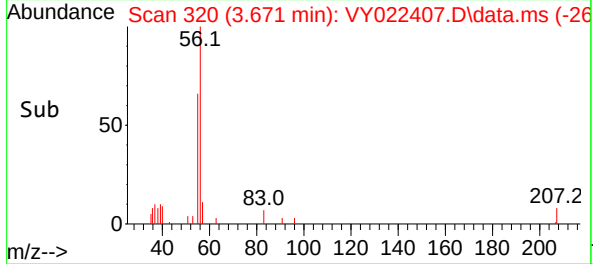
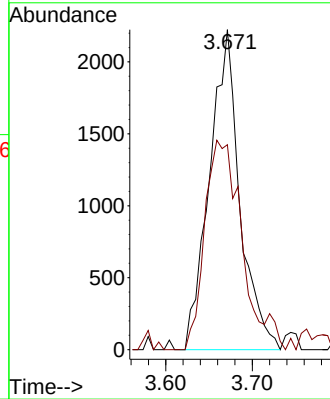
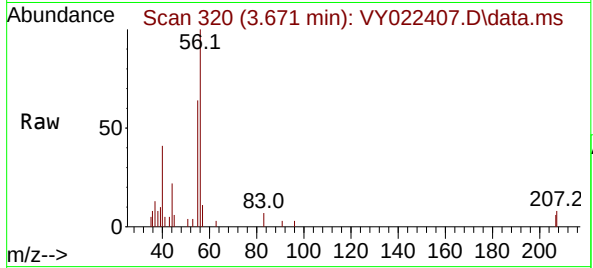
VSTDCCC050

Tgt Ion:	56	Resp:	542
Ion Ratio	Lower	Upper	
56	100		
55	80.3	55.6	83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#14

Allyl chloride

Concen: 46.134 ug/l

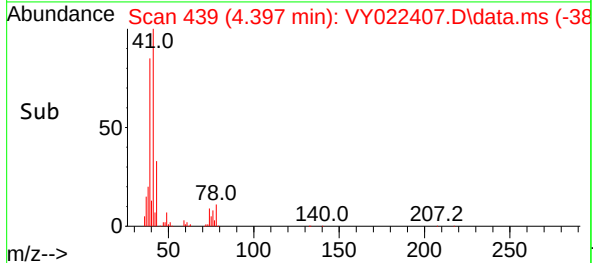
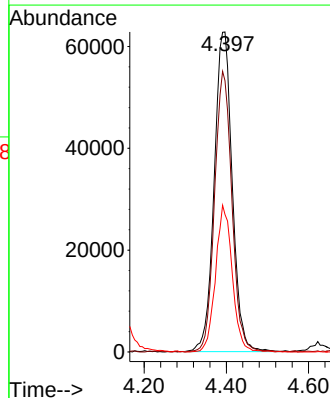
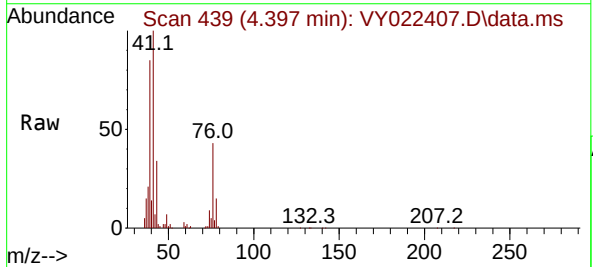
RT: 4.397 min Scan# 439

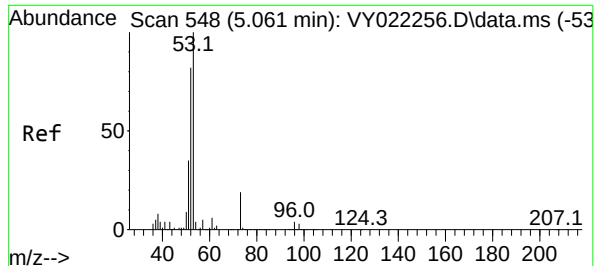
Delta R.T. 0.018 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Tgt Ion:	41	Resp:	191433
Ion Ratio	Lower	Upper	
41	100		
39	84.6	63.4	95.0
76	42.4	29.5	44.3





#15

Acrylonitrile

Concen: 251.450 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 13658

Ion Ratio Lower Upper

53 100

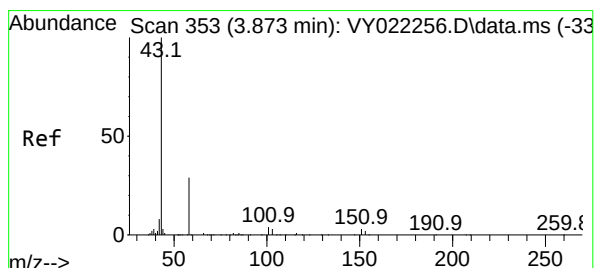
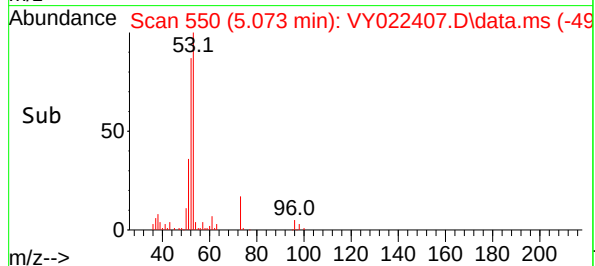
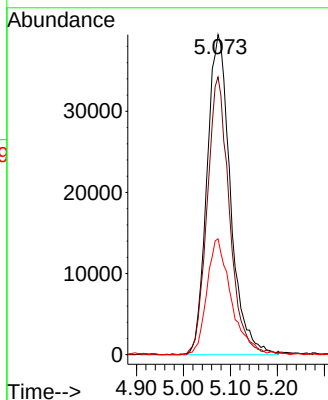
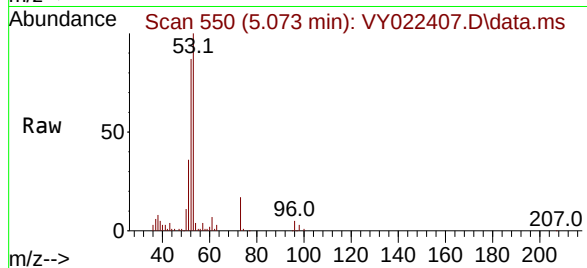
52 82.0 66.1 99.1

51 37.5 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#16

Acetone

Concen: 274.484 ug/l

RT: 3.891 min Scan# 356

Delta R.T. 0.018 min

Lab File: VY022407.D

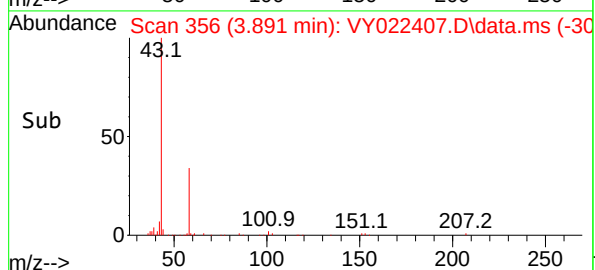
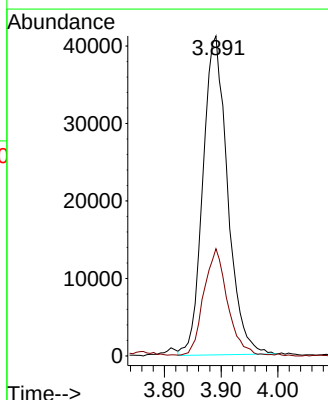
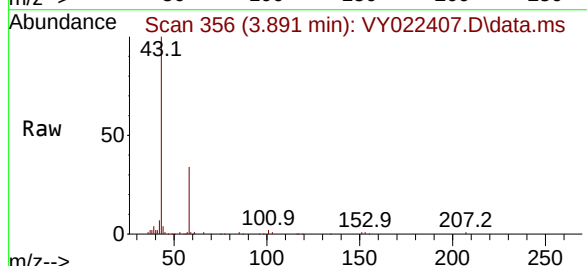
Acq: 23 May 2025 14:34

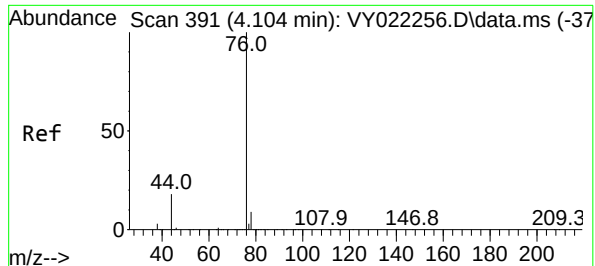
Tgt Ion: 43 Resp: 124446

Ion Ratio Lower Upper

43 100

58 33.5 23.6 35.4





#17

Carbon Disulfide

Concen: 53.502 ug/l

RT: 4.110 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 41287

Ion Ratio Lower Upper

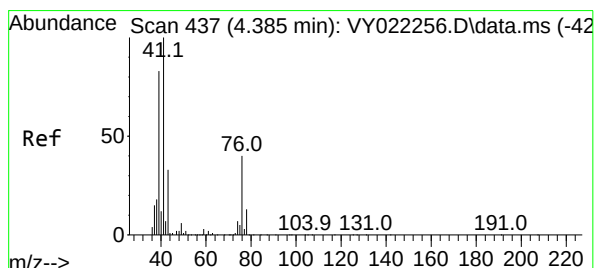
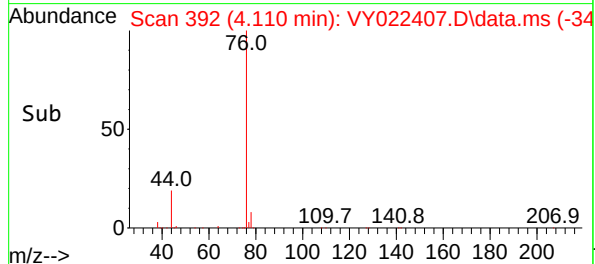
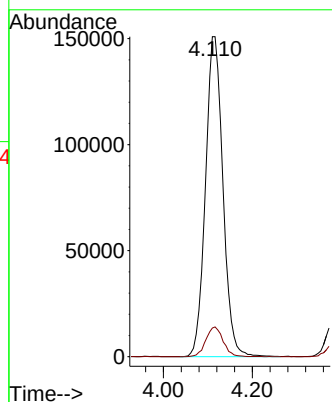
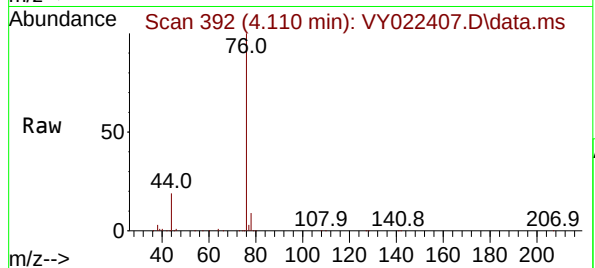
76 100

78 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#18

Methyl Acetate

Concen: 42.944 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY022407.D

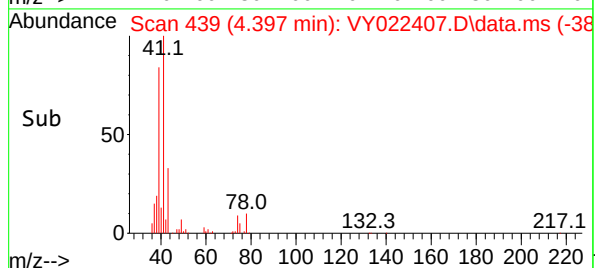
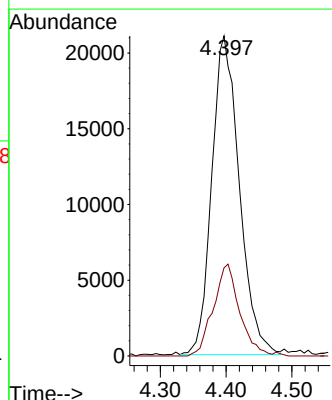
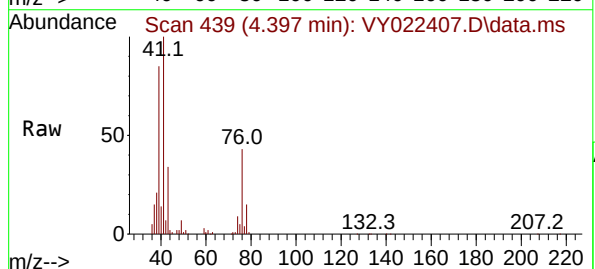
Acq: 23 May 2025 14:34

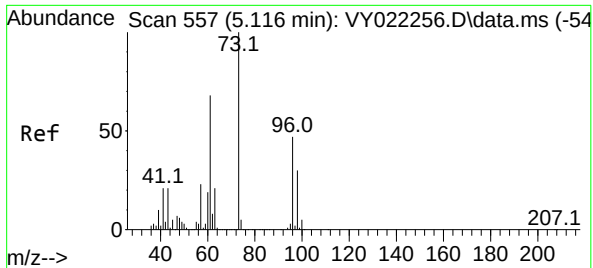
Tgt Ion: 43 Resp: 61387

Ion Ratio Lower Upper

43 100

74 27.4 18.2 27.4#





#19

Methyl tert-butyl Ether

Concen: 52.026 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 33948

Ion Ratio Lower Upper

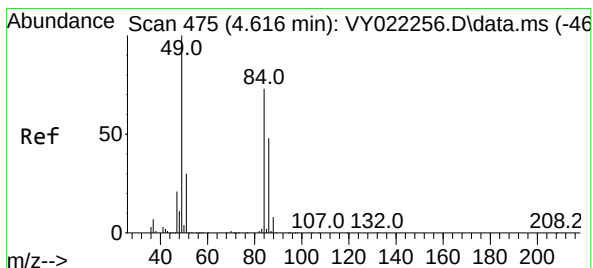
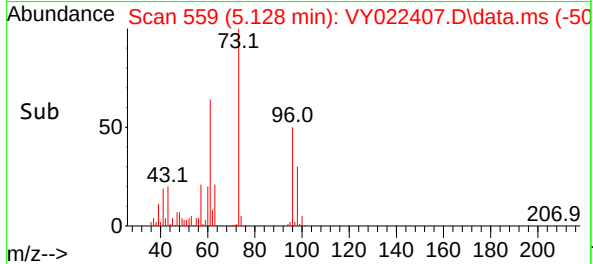
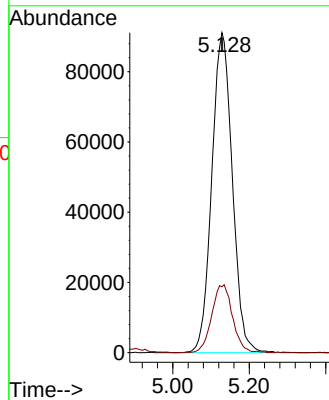
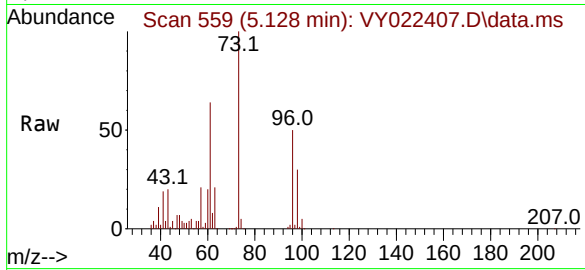
73 100

57 20.5 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#20

Methylene Chloride

Concen: 46.098 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Tgt Ion: 84 Resp: 135048

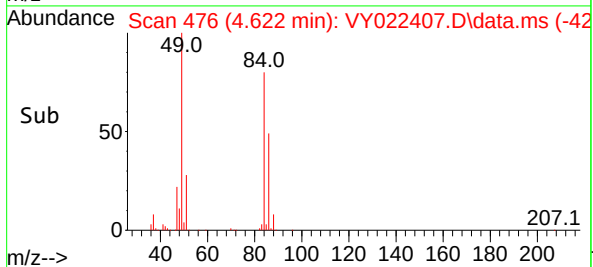
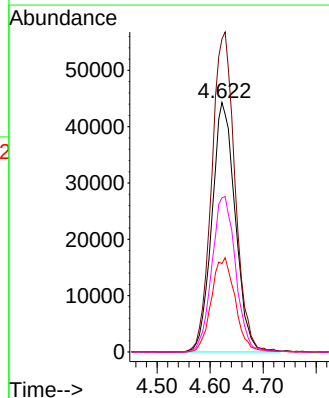
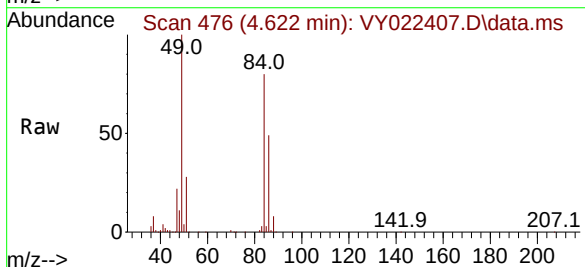
Ion Ratio Lower Upper

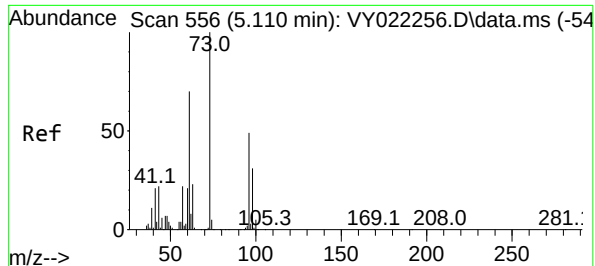
84 100

49 125.4 109.6 164.4

51 35.4 32.4 48.6

86 61.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.266 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY022407.D

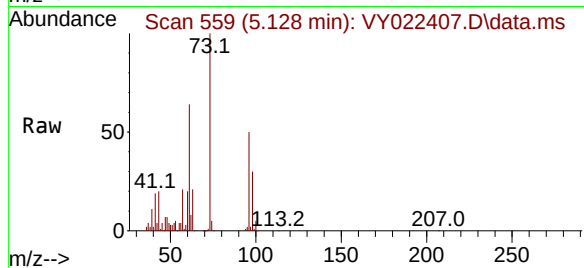
Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 139138

Ion Ratio Lower Upper

96 100

61 127.7 113.4 170.0

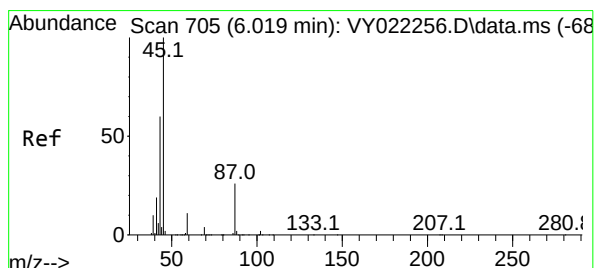
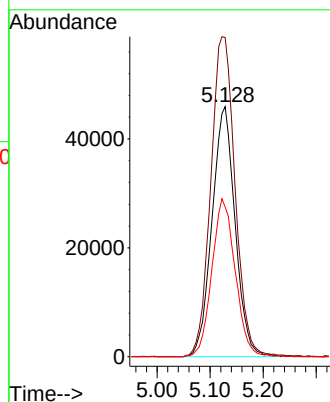
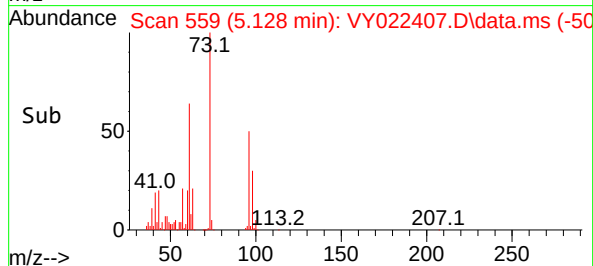
98 59.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#22

Diisopropyl ether

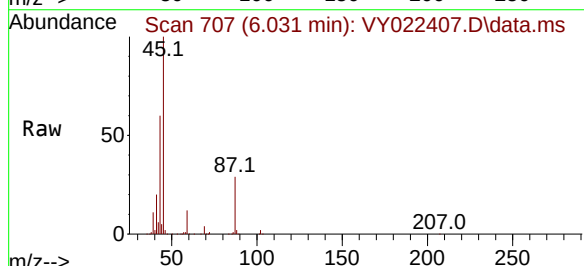
Concen: 47.129 ug/l

RT: 6.031 min Scan# 707

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34



Tgt Ion: 45 Resp: 412983

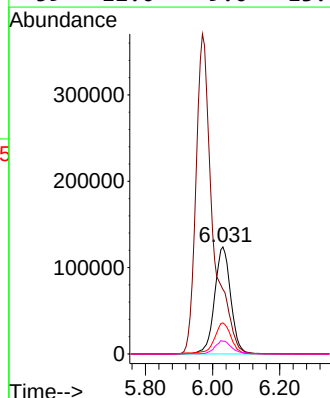
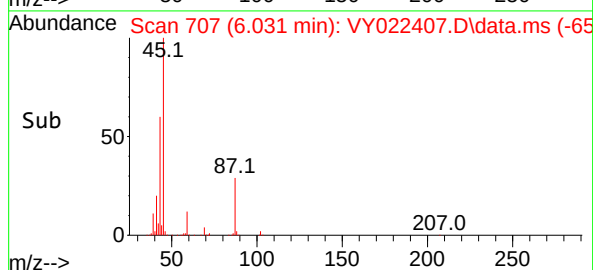
Ion Ratio Lower Upper

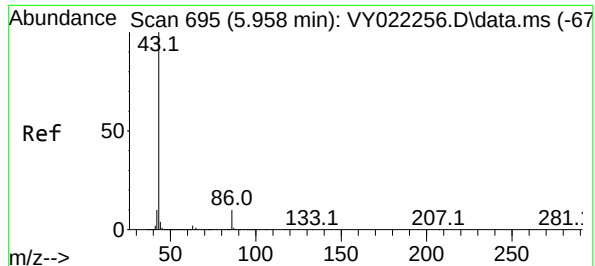
45 100

43 60.0 48.2 72.2

87 29.0 21.4 32.0

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 241.628 ug/l

RT: 5.970 min Scan# 695

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 127916

Ion Ratio Lower Upper

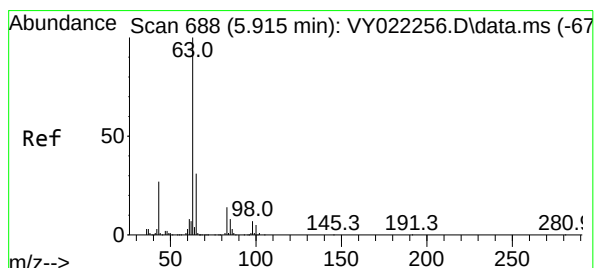
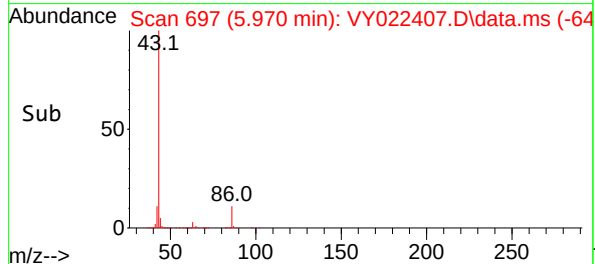
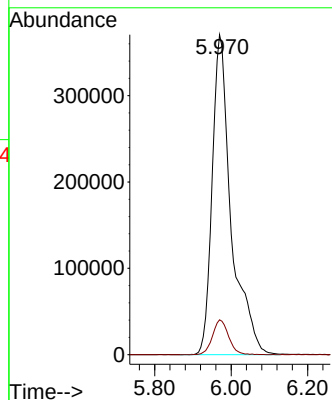
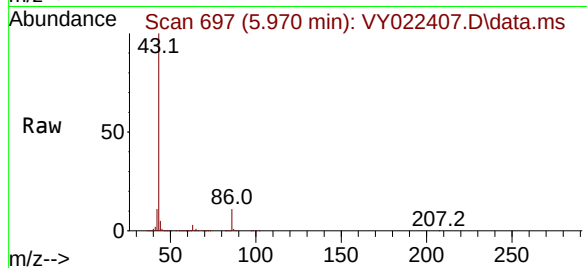
43 100

86 10.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#24

1,1-Dichloroethane

Concen: 51.413 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

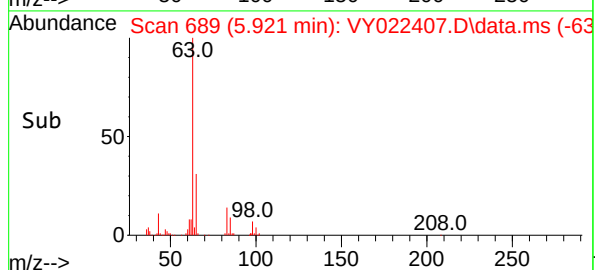
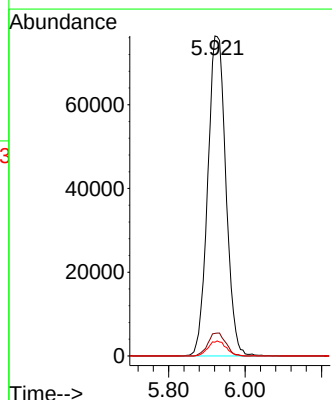
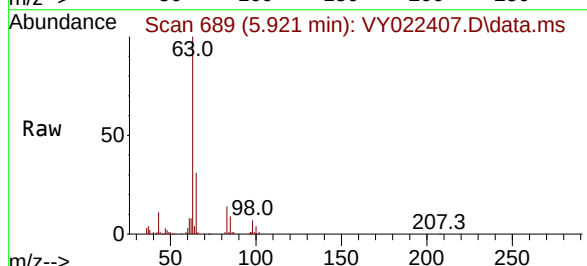
Tgt Ion: 63 Resp: 251699

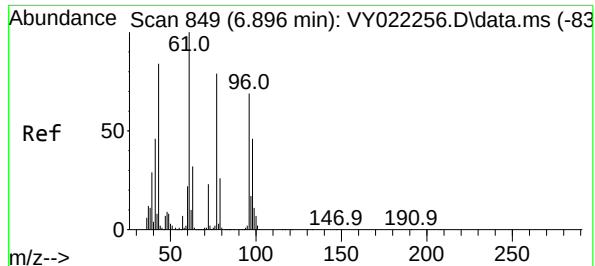
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 240.768 ug/l

RT: 6.908 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 182592

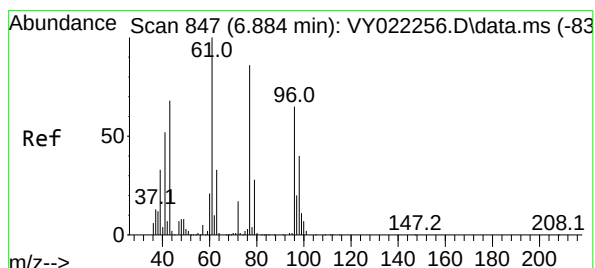
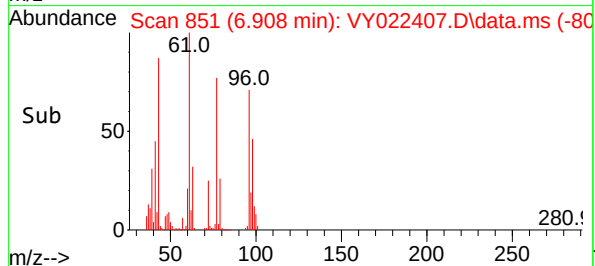
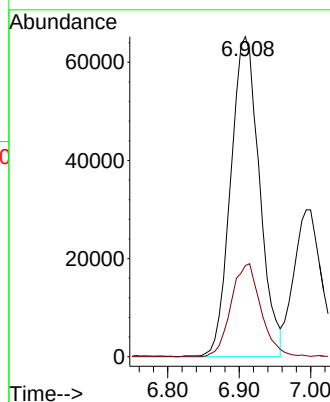
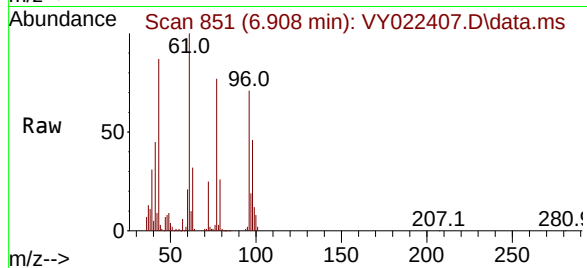
Ion Ratio Lower Upper

43 100

72 28.5 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#26

2,2-Dichloropropane

Concen: 52.796 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022407.D

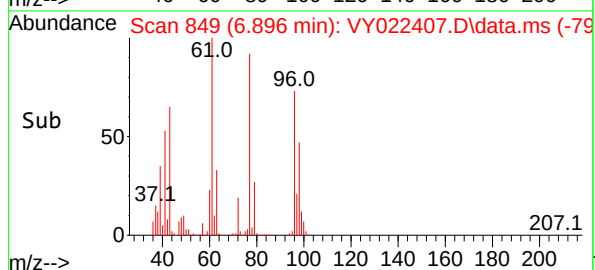
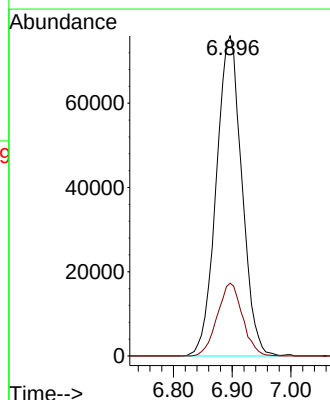
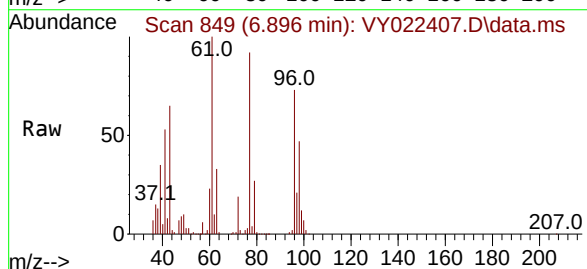
Acq: 23 May 2025 14:34

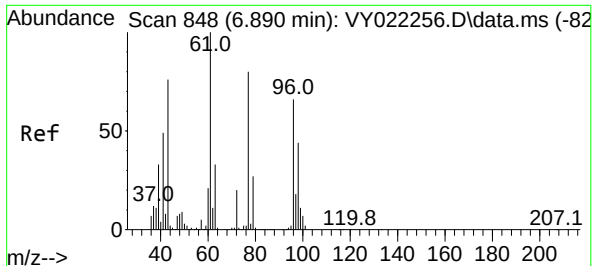
Tgt Ion: 77 Resp: 229889

Ion Ratio Lower Upper

77 100

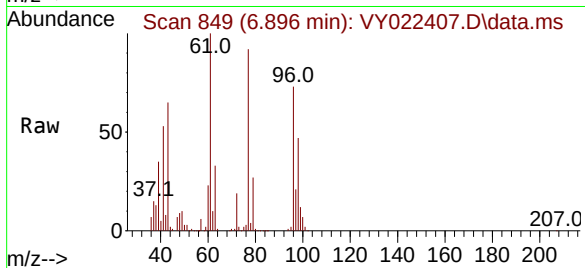
97 22.4 11.2 33.5





#27
 cis-1,2-Dichloroethene
 Concen: 54.670 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY022407.D
 Acq: 23 May 2025 14:34

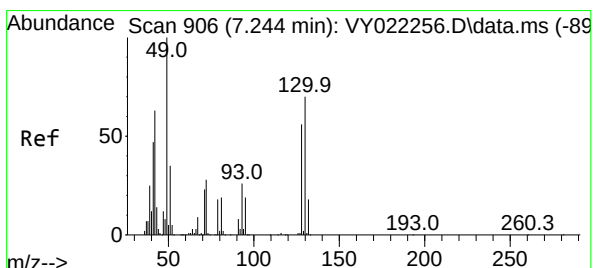
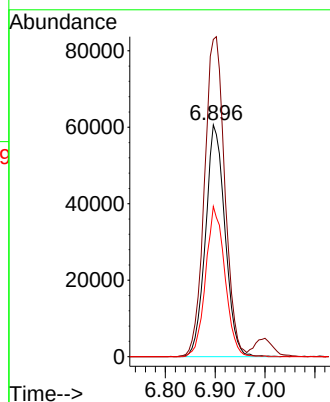
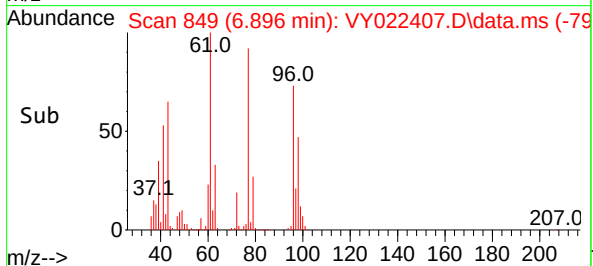
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 164793
 Ion Ratio Lower Upper
 96 100
 61 143.6 0.0 302.6
 98 63.9 0.0 128.8

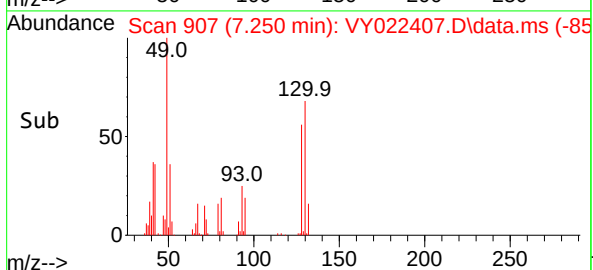
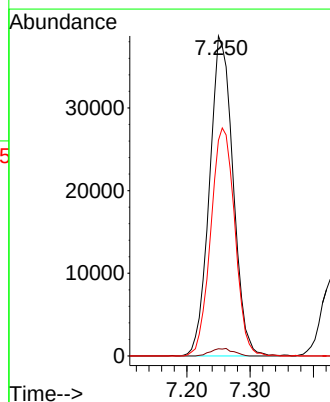
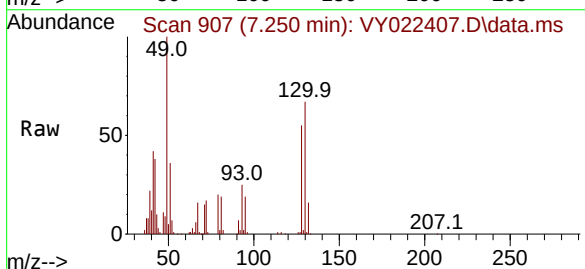
Manual Integrations
 APPROVED

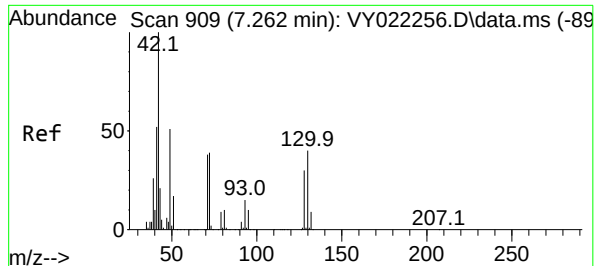
Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#28
 Bromochloromethane
 Concen: 47.928 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY022407.D
 Acq: 23 May 2025 14:34

Tgt Ion: 49 Resp: 100083
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 3.6
 130 72.7 54.7 82.1





#29

Tetrahydrofuran

Concen: 235.730 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 11501

Ion Ratio Lower Upper

42 100

72 46.1 33.8 50.6

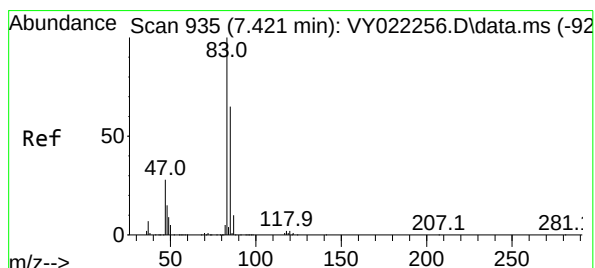
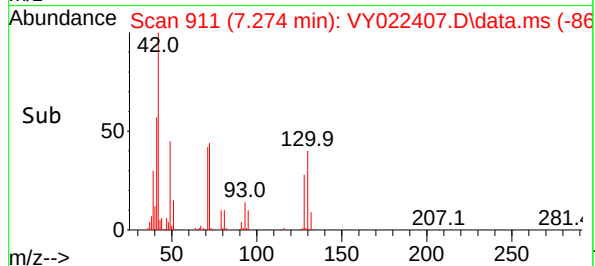
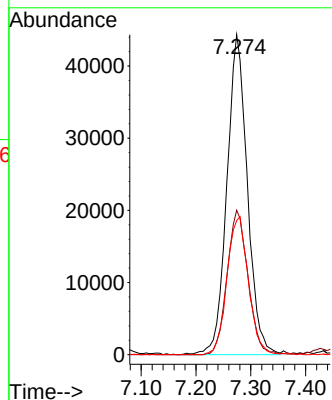
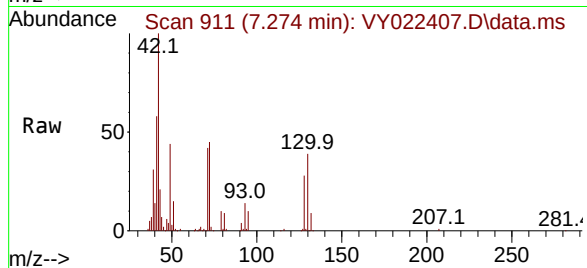
71 44.9 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#30

Chloroform

Concen: 53.578 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY022407.D

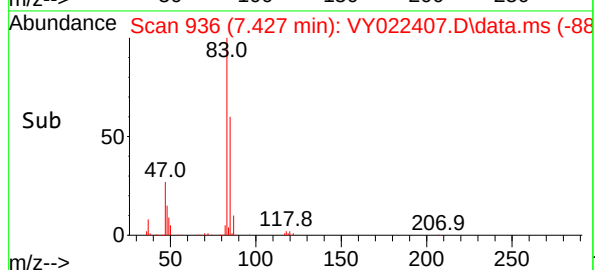
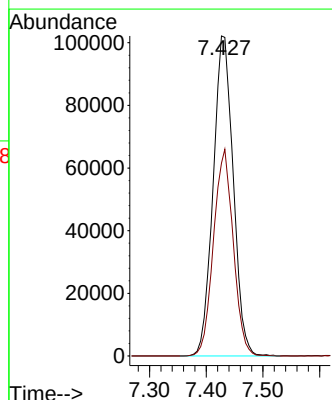
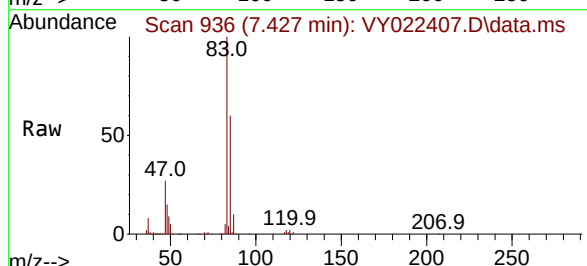
Acq: 23 May 2025 14:34

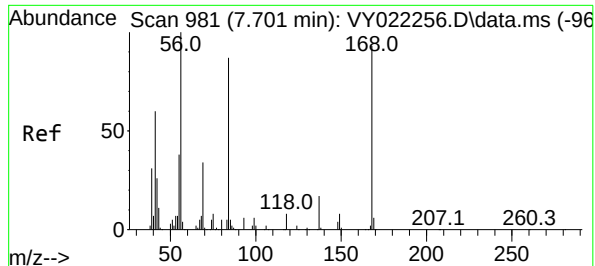
Tgt Ion: 83 Resp: 251591

Ion Ratio Lower Upper

83 100

85 60.2 51.8 77.8





#31

Cyclohexane

Concen: 48.361 ug/l

RT: 7.713 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 23655

Ion Ratio Lower Upper

56 100

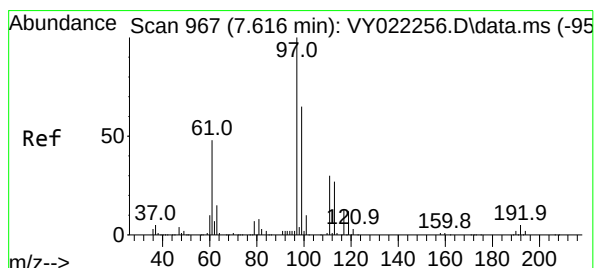
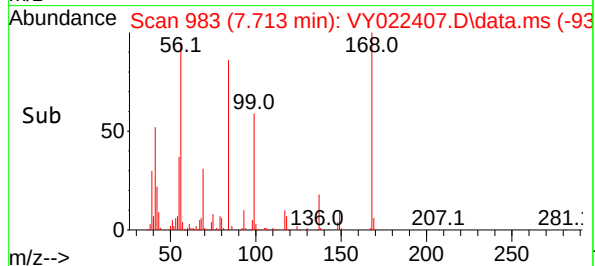
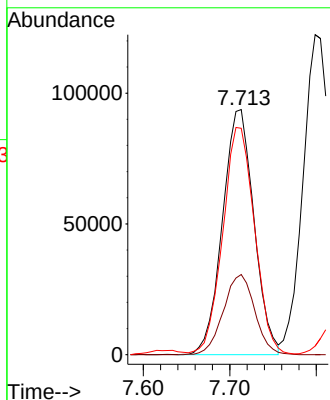
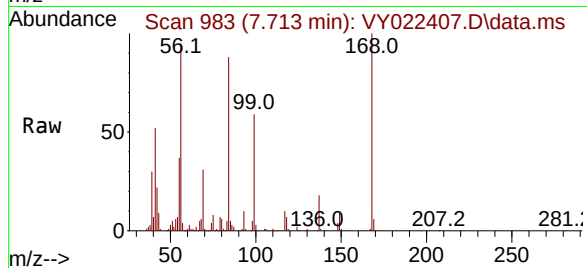
69 32.7 27.4 41.2

84 91.2 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#32

1,1,1-Trichloroethane

Concen: 52.075 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

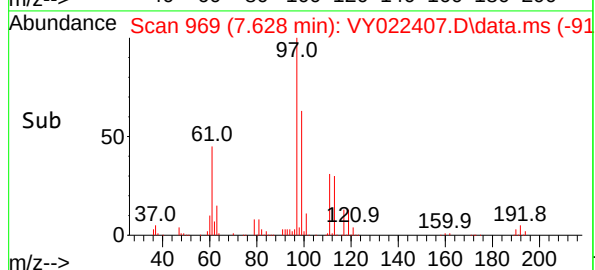
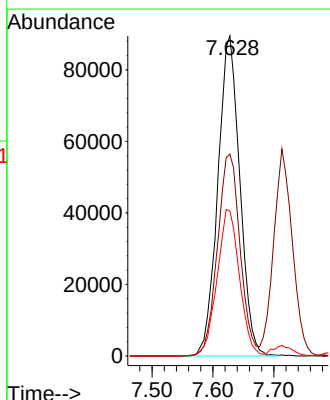
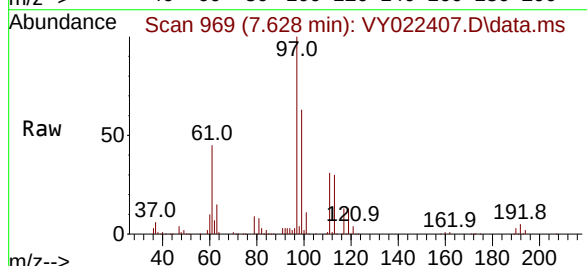
Tgt Ion: 97 Resp: 224345

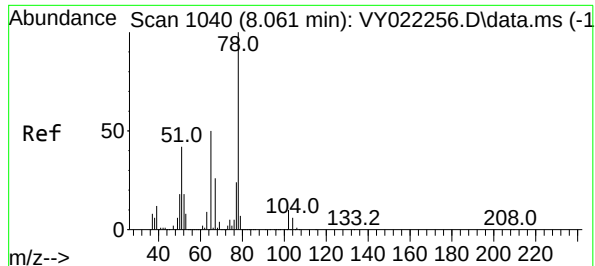
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 46.5 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 43.448 ug/l

RT: 8.073 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 105050

Ion Ratio Lower Upper

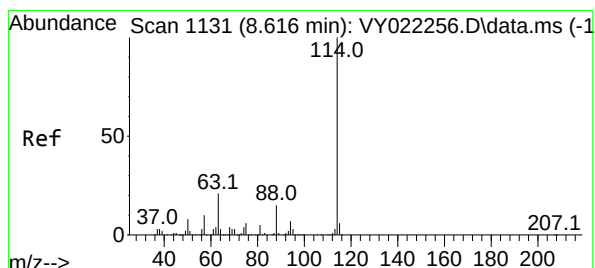
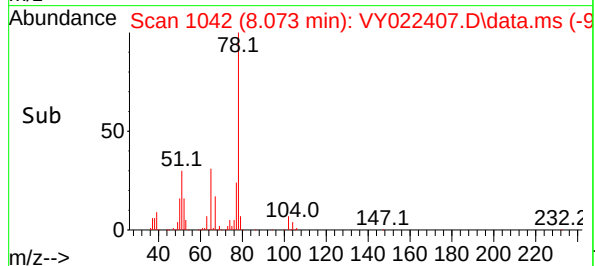
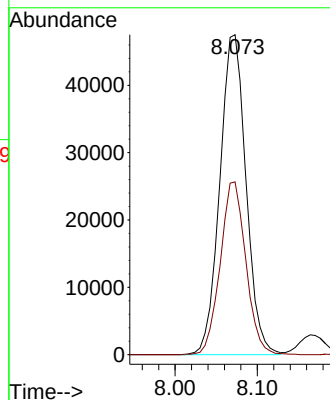
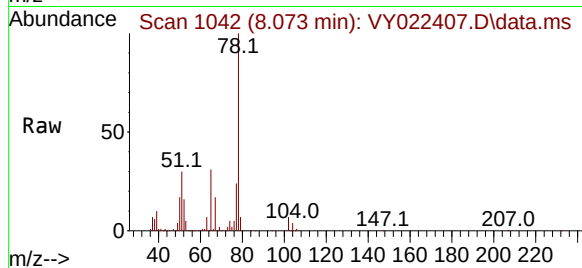
65 100

67 53.0 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

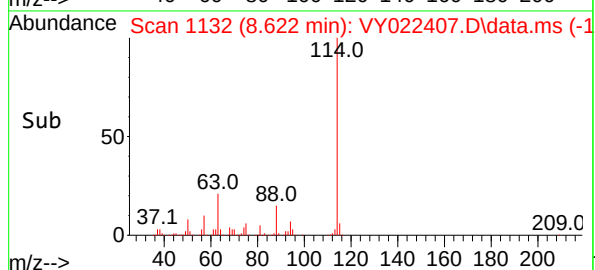
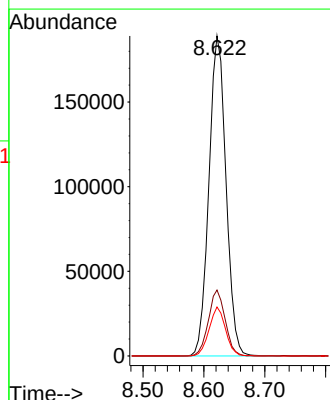
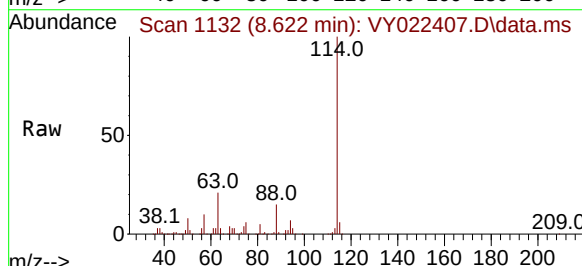
Tgt Ion:114 Resp: 368290

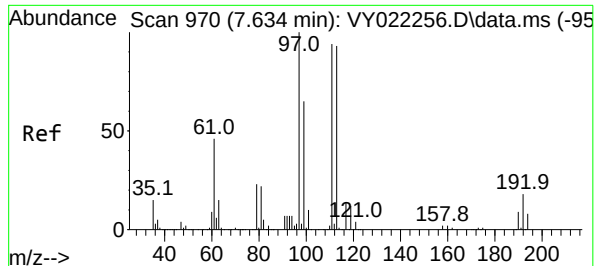
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 15.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.982 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 10327

Ion Ratio Lower Upper

113 100

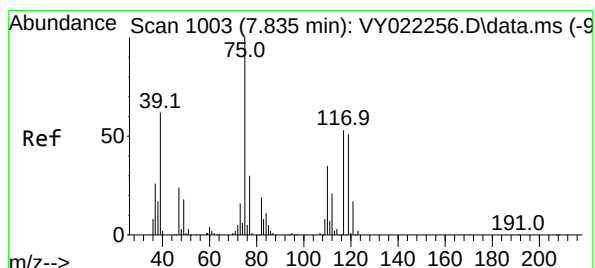
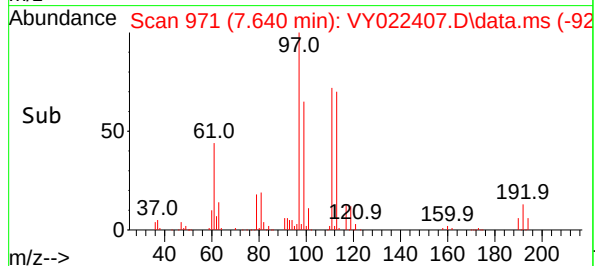
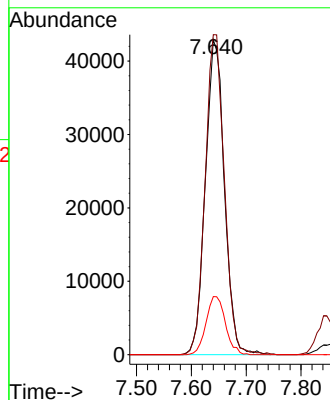
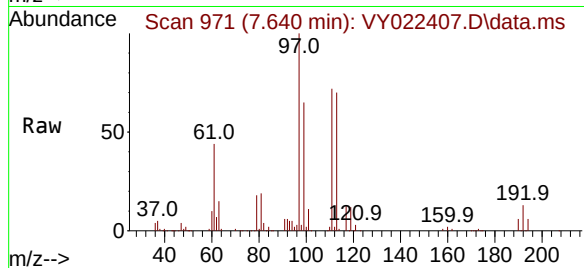
111 102.4 82.6 123.8

192 18.8 15.2 22.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#36

1,1-Dichloropropene

Concen: 53.349 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

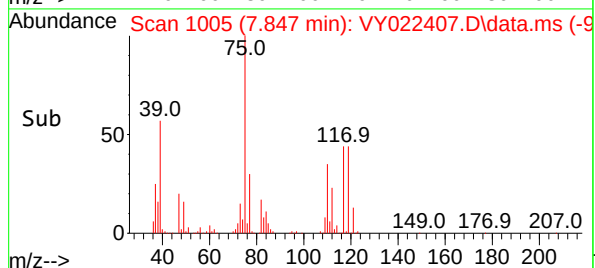
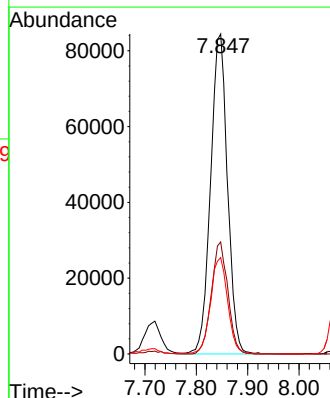
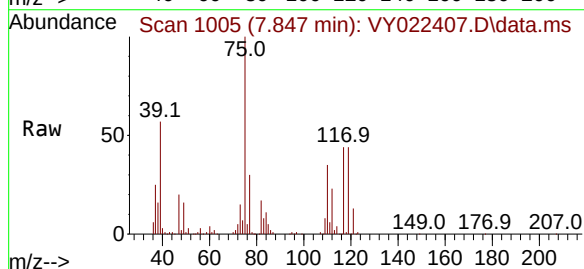
Tgt Ion: 75 Resp: 193158

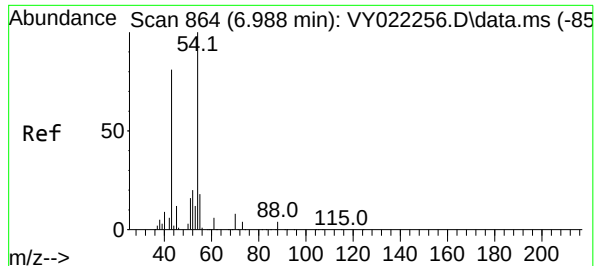
Ion Ratio Lower Upper

75 100

110 34.2 16.6 49.8

77 30.6 24.6 37.0





#37

Ethyl Acetate

Concen: 47.744 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 8317

Ion Ratio Lower Upper

43 100

61 15.3 10.2 15.2

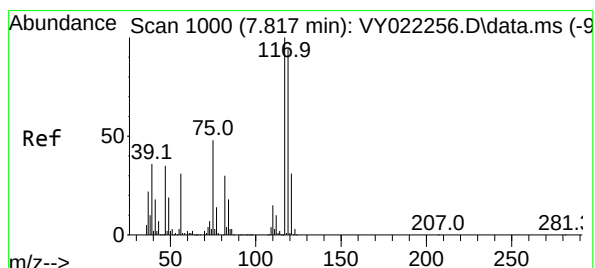
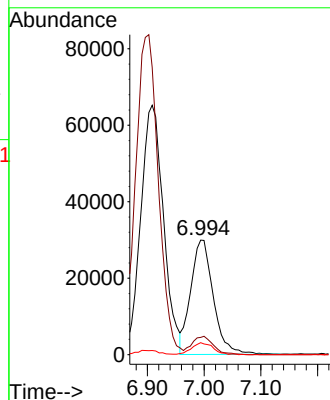
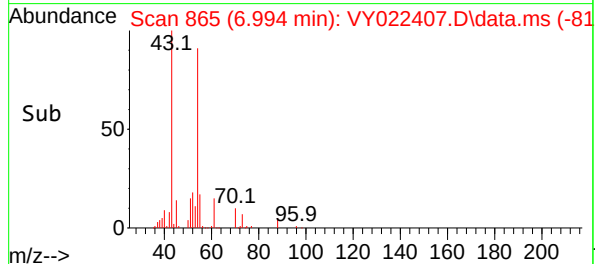
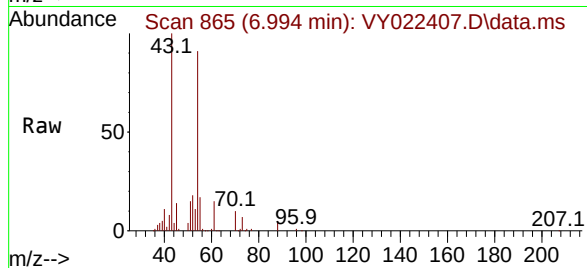
70 9.9 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#38

Carbon Tetrachloride

Concen: 53.361 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

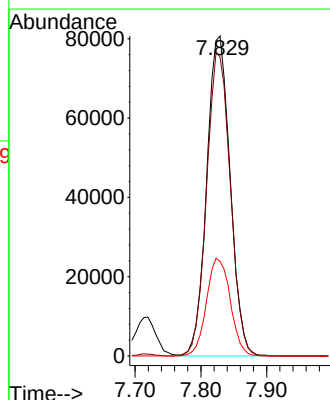
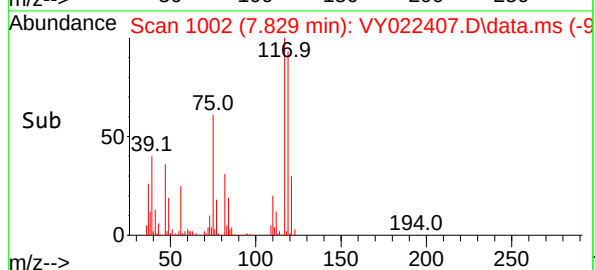
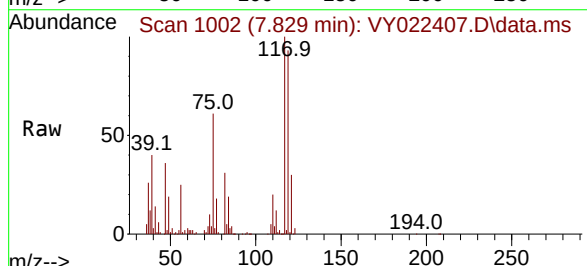
Tgt Ion:117 Resp: 199987

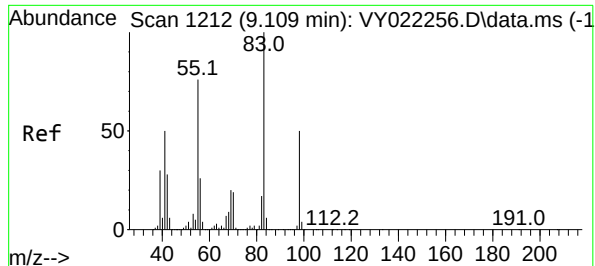
Ion Ratio Lower Upper

117 100

119 93.4 75.3 112.9

121 29.6 24.7 37.1





#39

Methylcyclohexane

Concen: 54.032 ug/l

RT: 9.115 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 26282

Ion Ratio Lower Upper

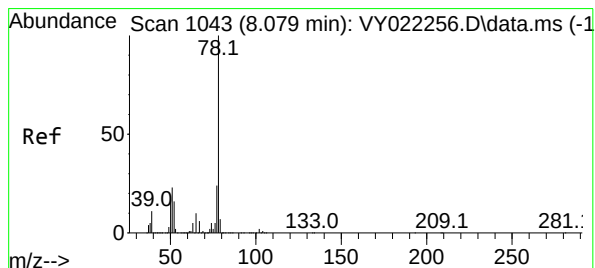
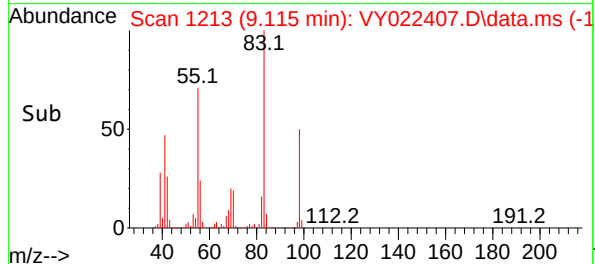
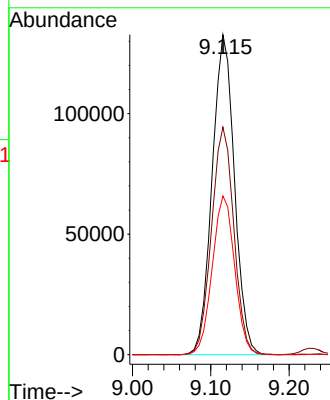
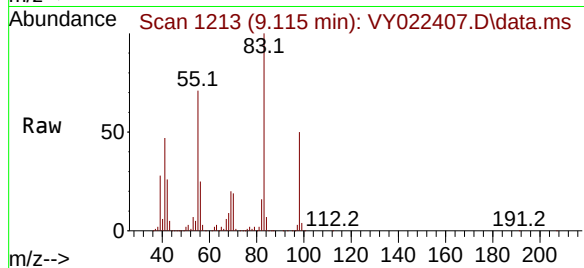
83 100

55 71.1 60.6 90.8

98 49.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#40

Benzene

Concen: 53.342 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY022407.D

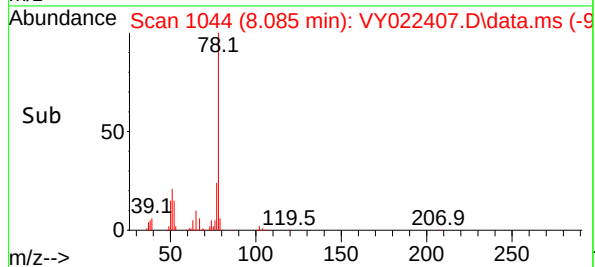
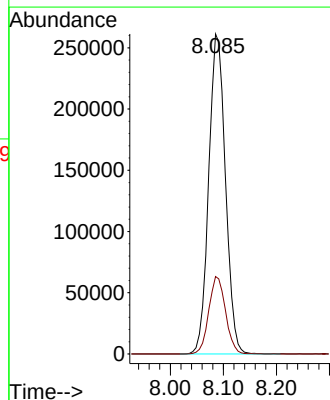
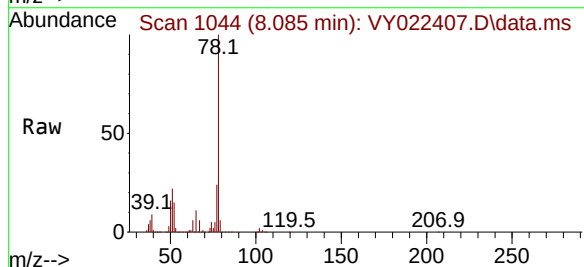
Acq: 23 May 2025 14:34

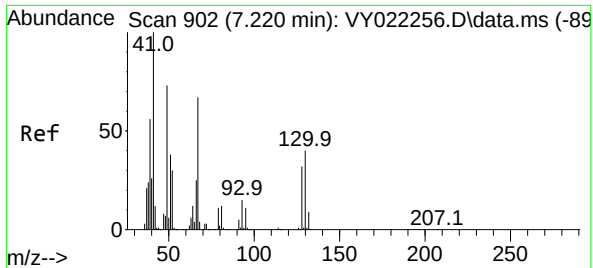
Tgt Ion: 78 Resp: 572541

Ion Ratio Lower Upper

78 100

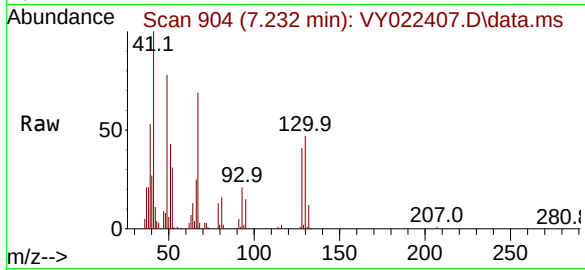
77 24.2 18.9 28.3





#41
Methacrylonitrile
Concen: 48.401 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

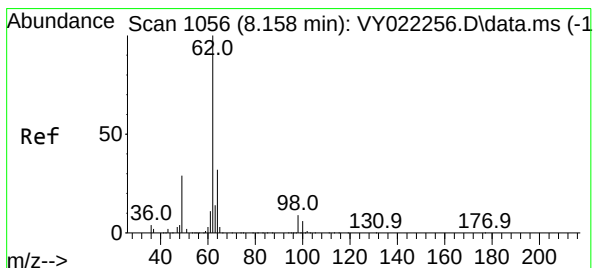
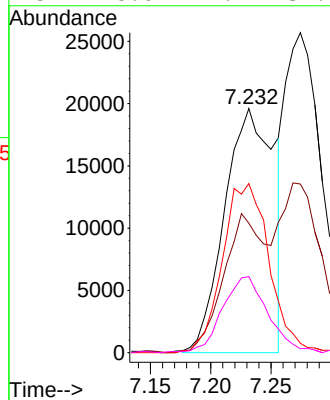
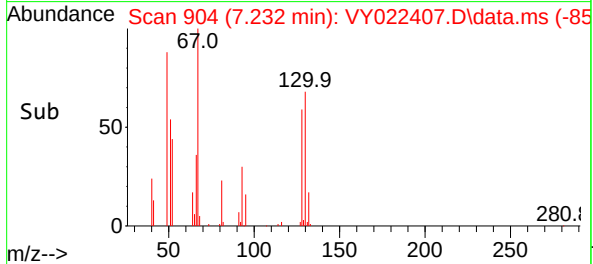
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 5593
Ion Ratio Lower Upper
41 100
39 49.1 39.1 58.7
67 65.4 47.1 70.7
52 28.6 21.4 32.0

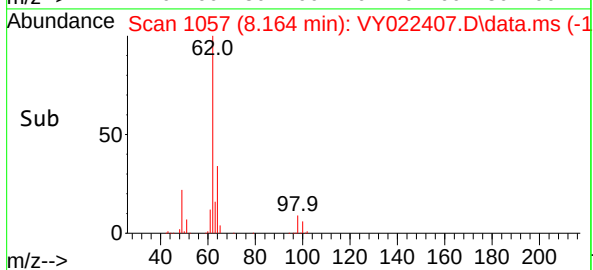
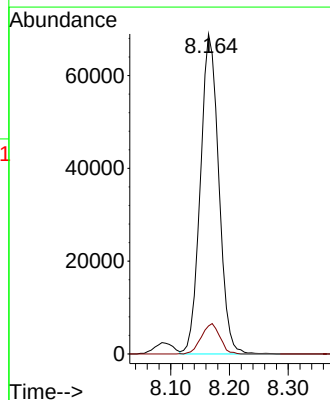
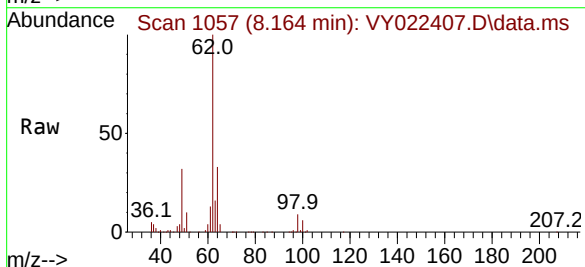
Manual Integrations
APPROVED

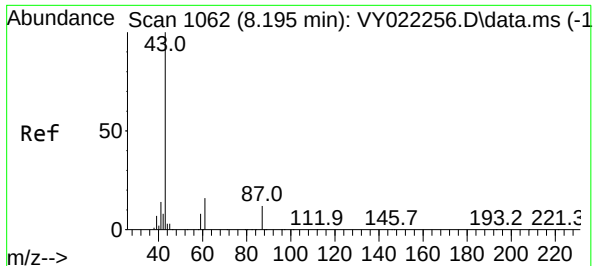
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#42
1,2-Dichloroethane
Concen: 51.680 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

Tgt Ion: 62 Resp: 150005
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.4





#43

Isopropyl Acetate

Concen: 47.424 ug/l

RT: 8.207 min Scan# 1064

Delta R.T. 0.012 min

Lab File: VY022407.D

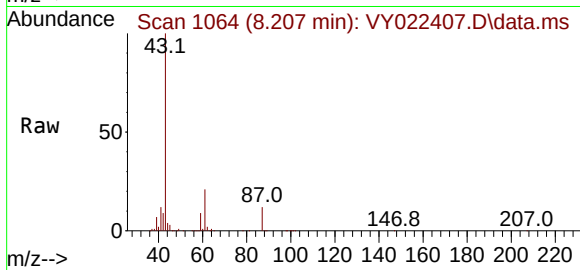
Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 180170

Ion Ratio Lower Upper

43 100

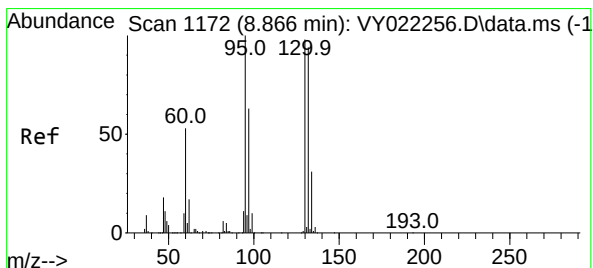
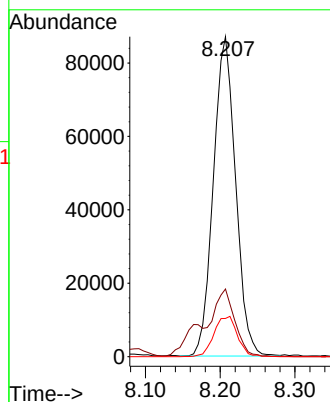
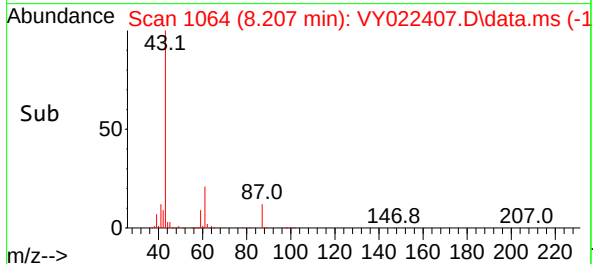
61 21.2 15.1 22.7

87 13.3 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#44

Trichloroethene

Concen: 53.270 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY022407.D

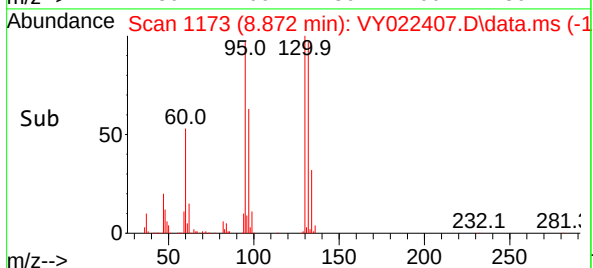
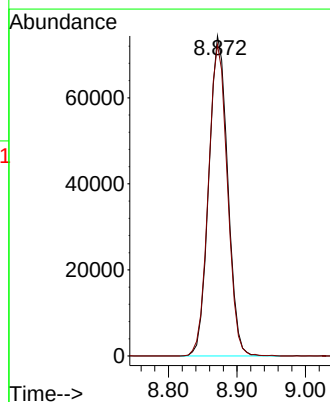
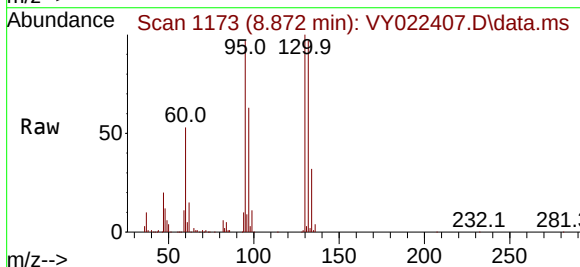
Acq: 23 May 2025 14:34

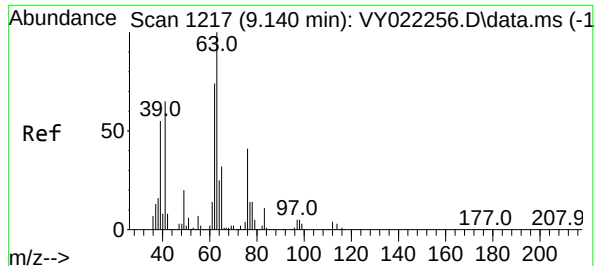
Tgt Ion:130 Resp: 142169

Ion Ratio Lower Upper

130 100

95 97.3 0.0 204.8





#45

1,2-Dichloropropane

Concen: 51.695 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 133774

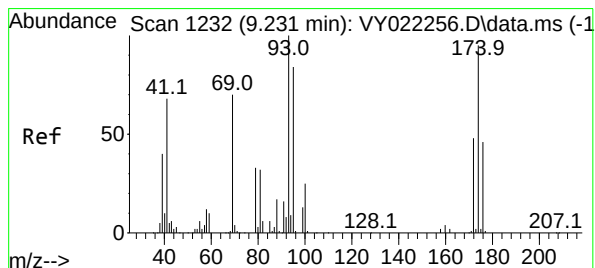
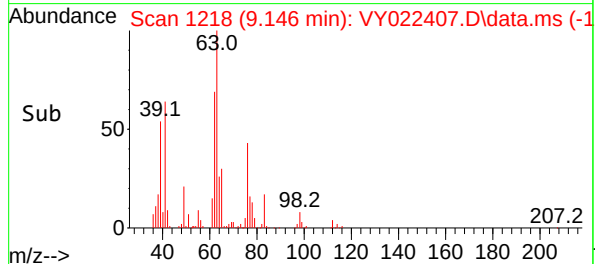
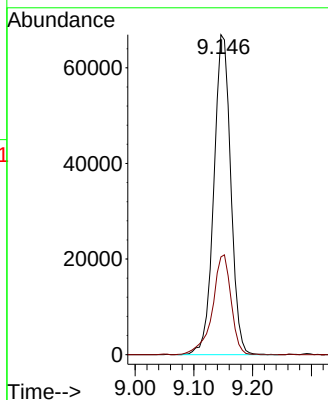
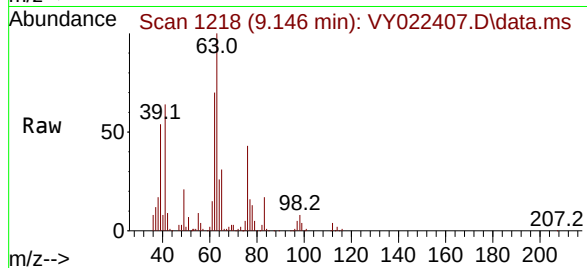
Ion Ratio Lower Upper

63 100

65 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#46

Dibromomethane

Concen: 53.582 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

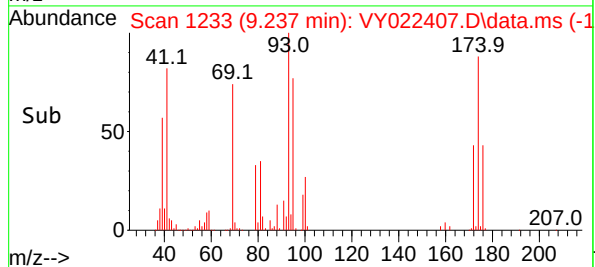
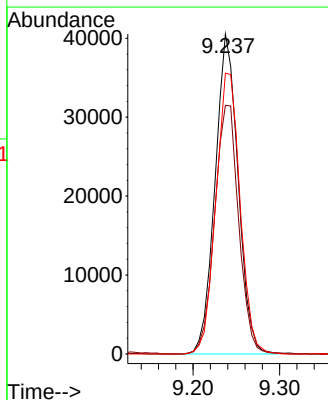
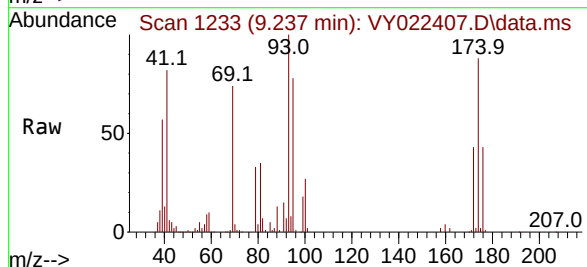
Tgt Ion: 93 Resp: 74785

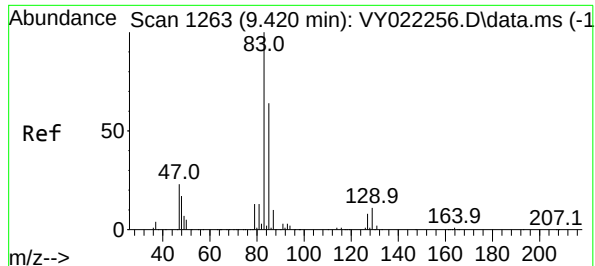
Ion Ratio Lower Upper

93 100

95 81.4 65.2 97.8

174 92.1 74.3 111.5





#47

Bromodichloromethane

Concen: 53.066 ug/l

RT: 9.432 min Scan# 1265

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 19214

Ion Ratio Lower Upper

83 100

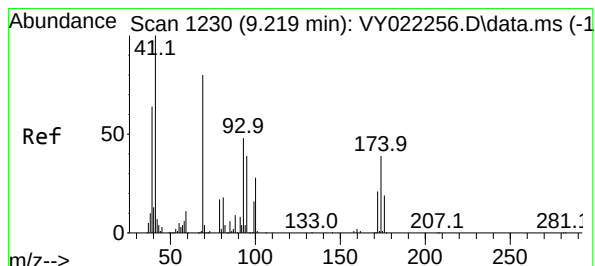
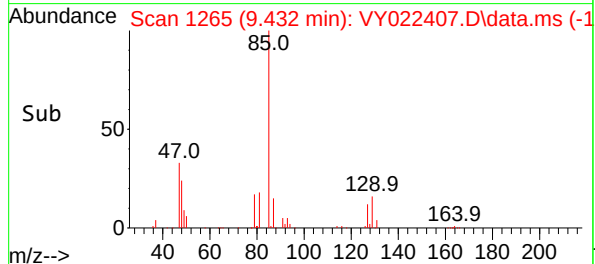
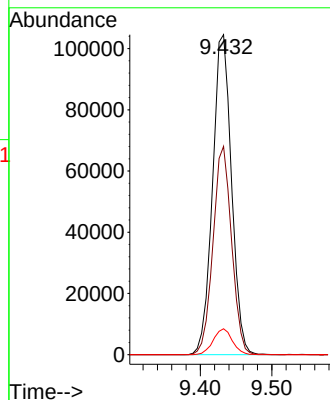
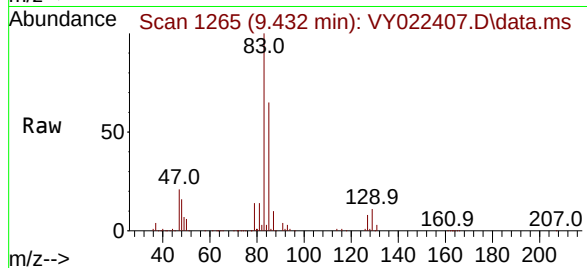
85 65.1 51.1 76.7

127 8.1 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#48

Methyl methacrylate

Concen: 46.300 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

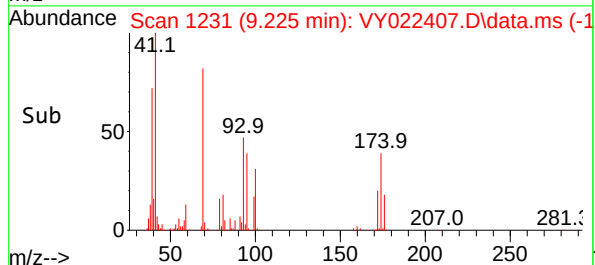
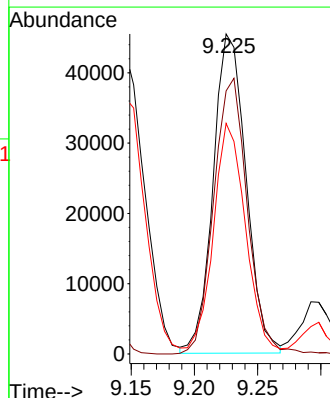
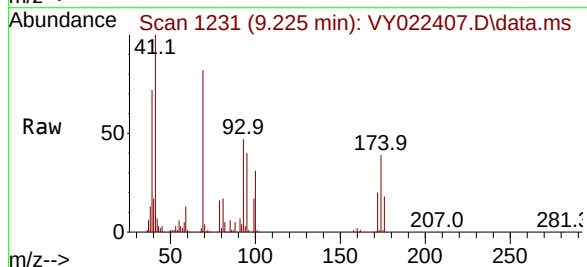
Tgt Ion: 41 Resp: 82263

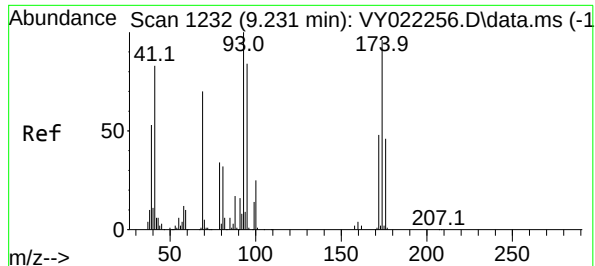
Ion Ratio Lower Upper

41 100

69 88.5 63.5 95.3

39 67.5 50.8 76.2





#49

1,4-Dioxane

Concen: 1012.465 ug/l

RT: 9.243 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 15964

Ion Ratio Lower Upper

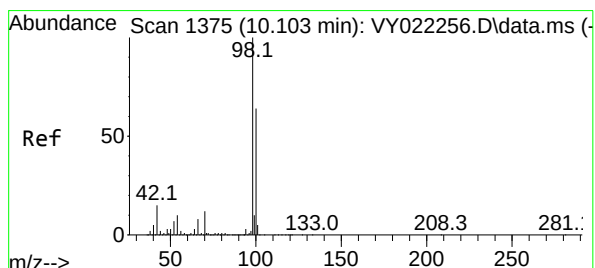
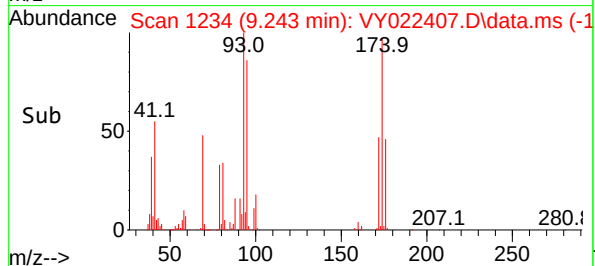
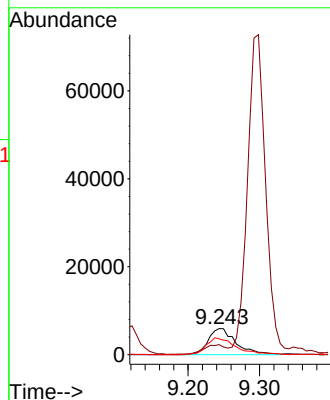
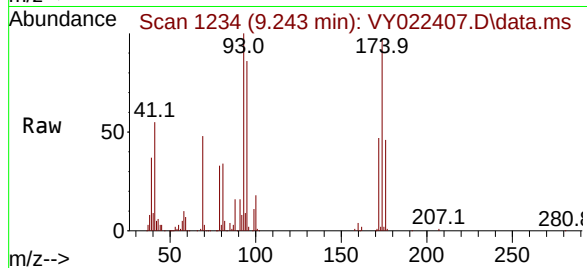
88 100

43 28.9 28.5 42.7

58 69.4 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#50

Toluene-d8

Concen: 43.369 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022407.D

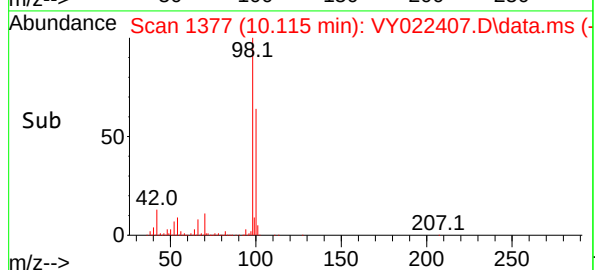
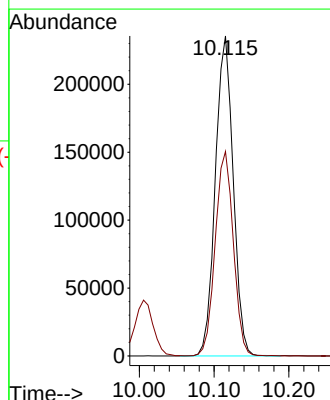
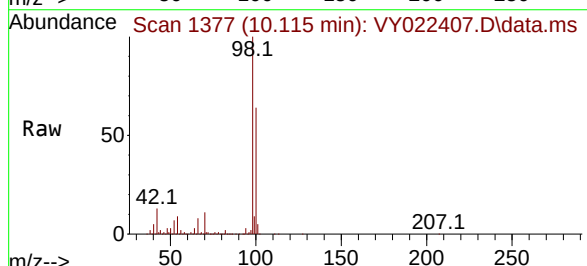
Acq: 23 May 2025 14:34

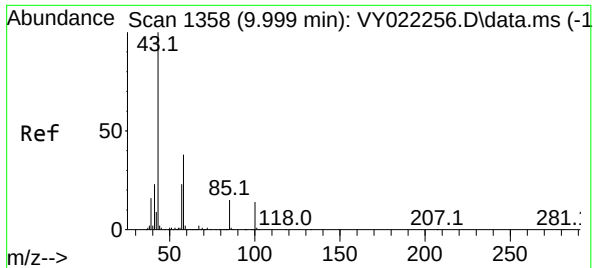
Tgt Ion: 98 Resp: 390436

Ion Ratio Lower Upper

98 100

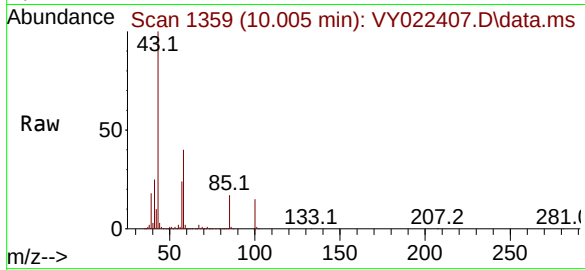
100 64.8 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 238.329 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

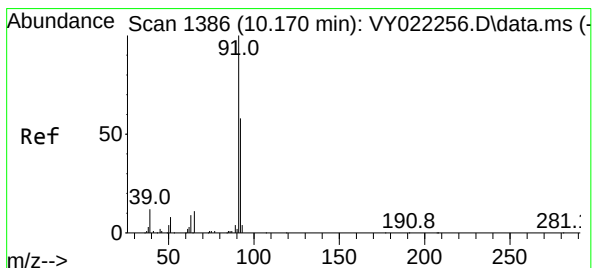
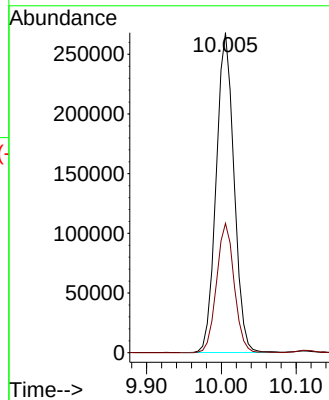
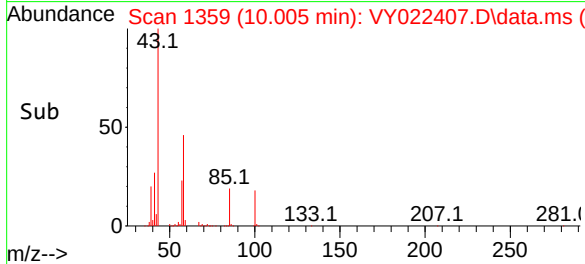
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 444290
Ion Ratio Lower Upper
43 100
58 40.1 29.4 44.2

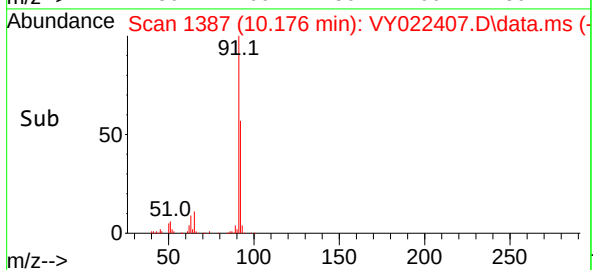
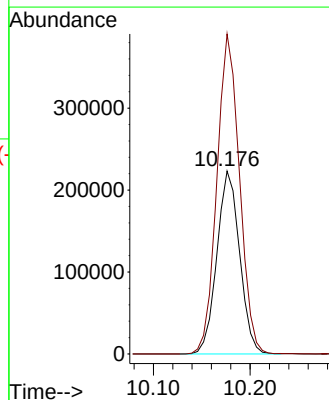
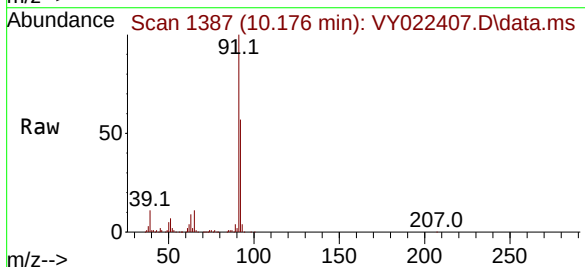
Manual Integrations
APPROVED

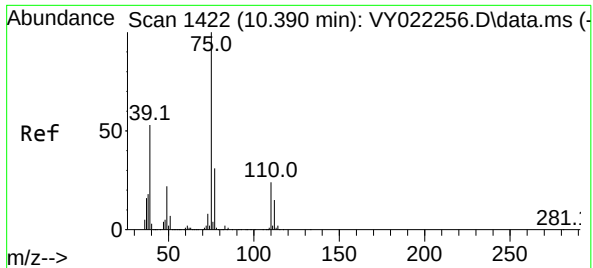
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#52
Toluene
Concen: 53.527 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

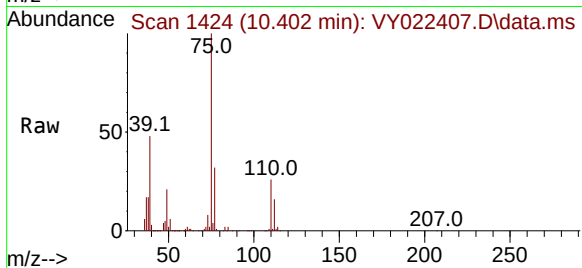
Tgt Ion: 92 Resp: 363814
Ion Ratio Lower Upper
92 100
91 174.4 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 50.715 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

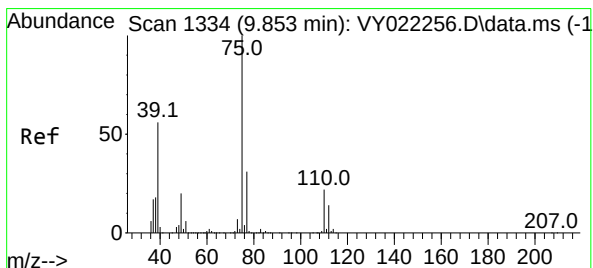
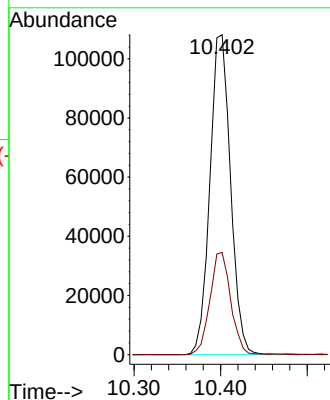
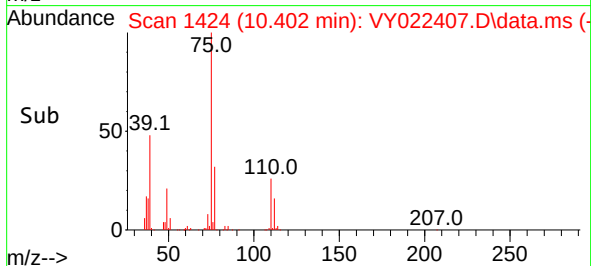
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



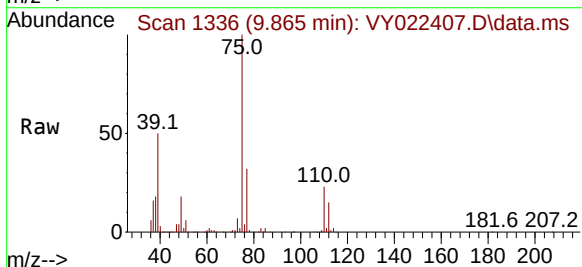
Tgt Ion: 75 Resp: 179200
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

Manual Integrations
APPROVED

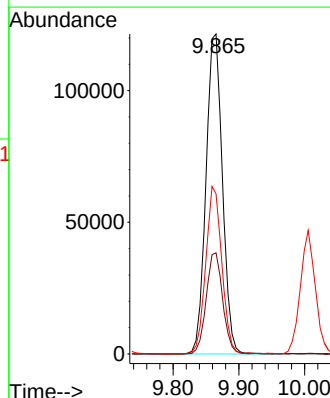
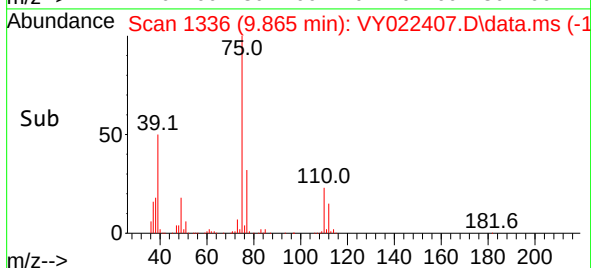
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

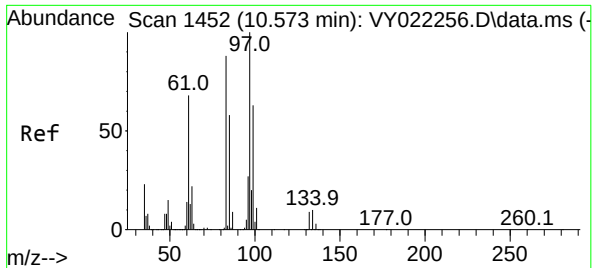


#54
cis-1,3-Dichloropropene
Concen: 52.261 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



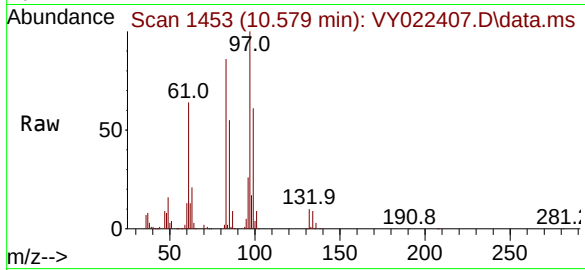
Tgt Ion: 75 Resp: 211578
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 50.0 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 53.693 ug/l
RT: 10.579 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

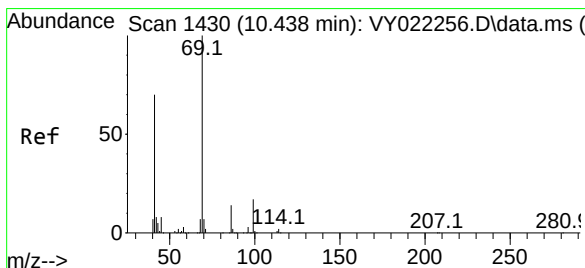
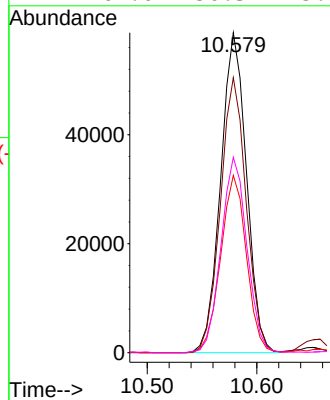
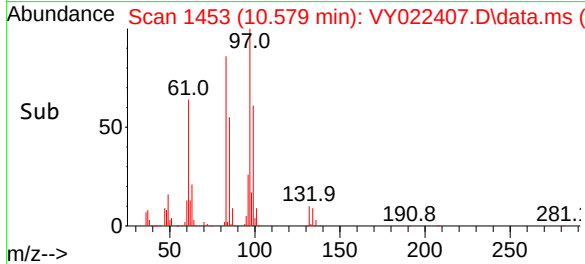
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



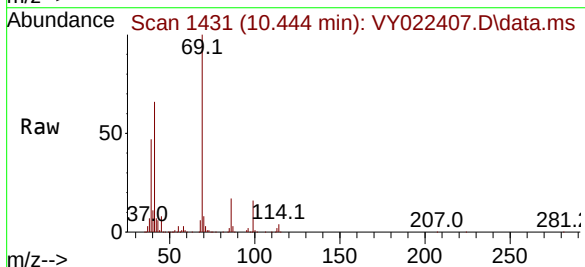
Tgt Ion: 97 Resp: 95964
Ion Ratio Lower Upper
97 100
83 86.0 70.3 105.5
85 55.4 46.2 69.4
99 61.0 50.3 75.5

Manual Integrations
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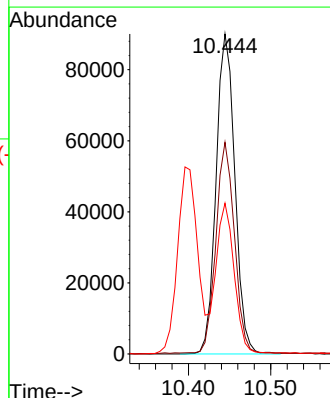
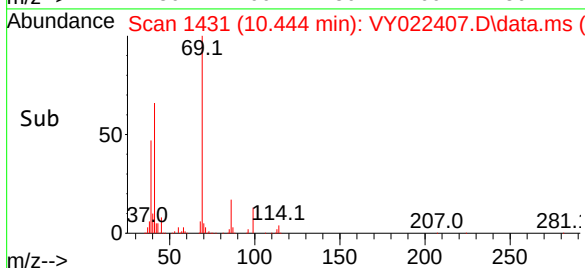
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

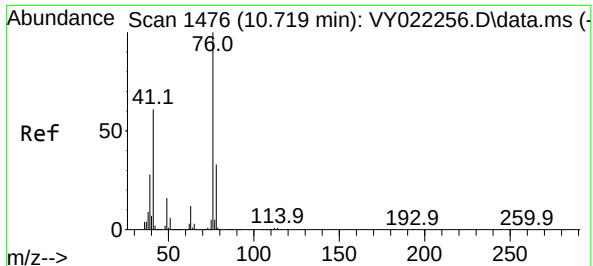


#56
Ethyl methacrylate
Concen: 51.400 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



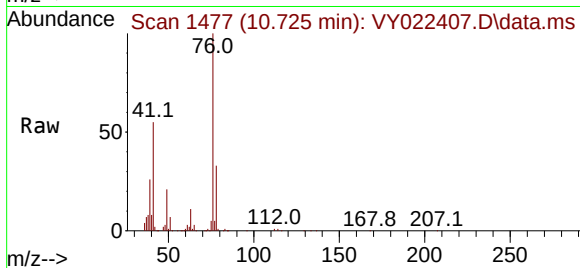
Tgt Ion: 69 Resp: 143099
Ion Ratio Lower Upper
69 100
41 65.4 56.5 84.7
39 46.3 37.1 55.7





#57
1,3-Dichloropropane
Concen: 53.037 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

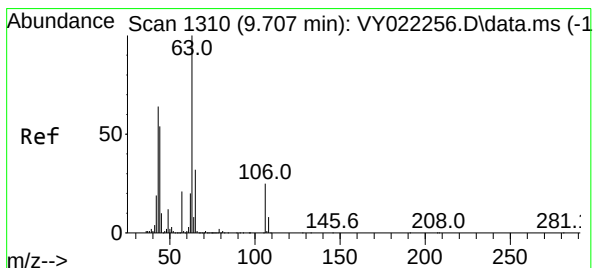
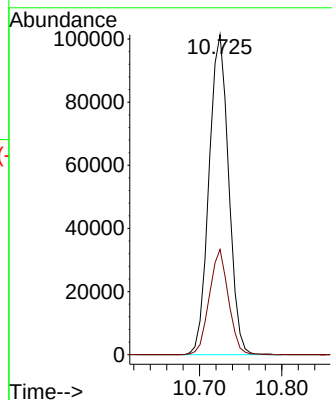
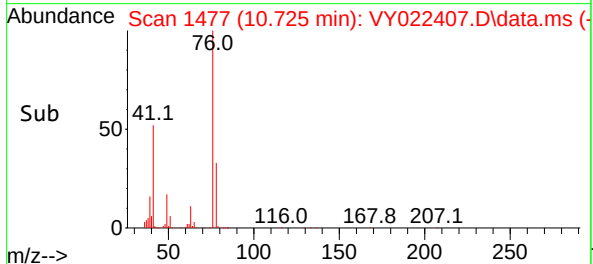
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



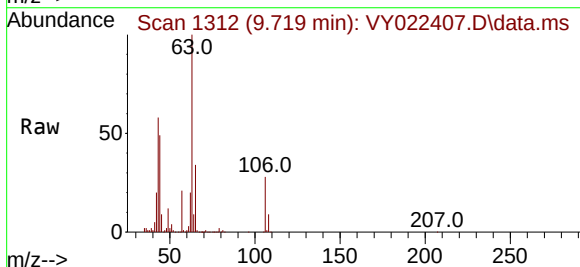
Tgt Ion: 76 Resp: 168420
Ion Ratio Lower Upper
76 100
78 32.0 25.8 38.8

Manual Integrations
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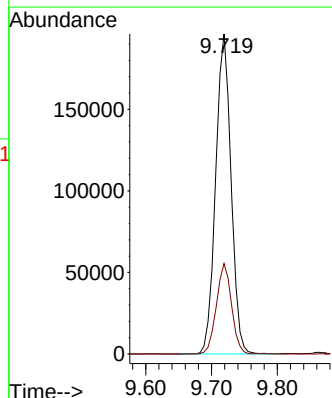
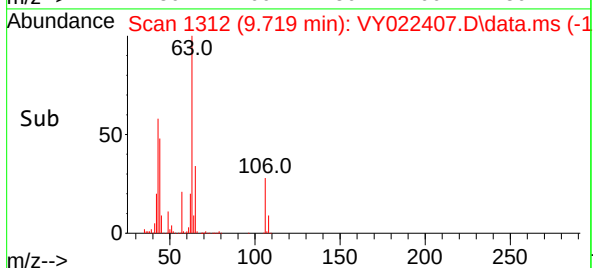
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

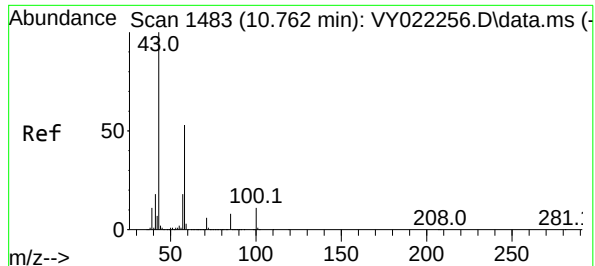


#58
2-Chloroethyl Vinyl ether
Concen: 255.904 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



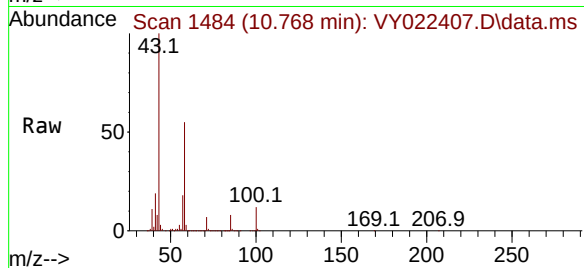
Tgt Ion: 63 Resp: 319778
Ion Ratio Lower Upper
63 100
106 27.7 21.0 31.4





#59
2-Hexanone
Concen: 244.413 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

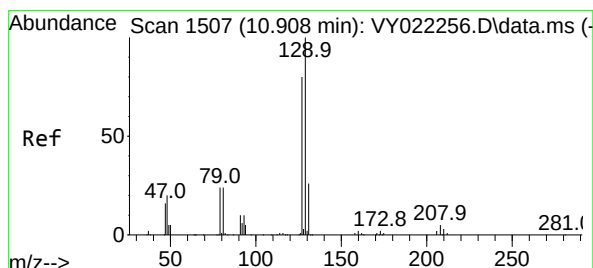
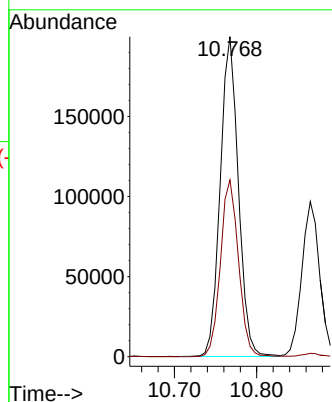
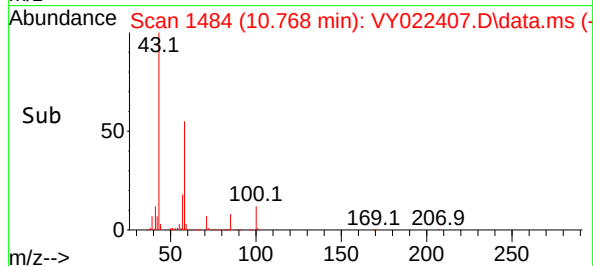
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 305492
Ion Ratio Lower Upper
43 100
58 55.2 26.1 78.3

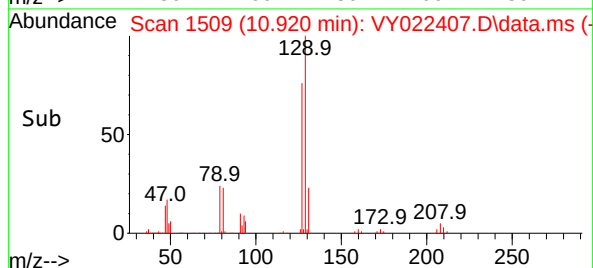
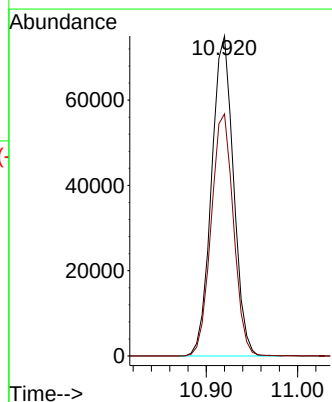
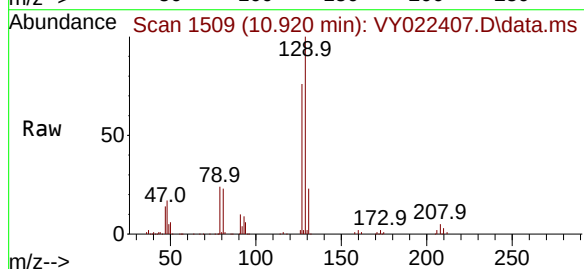
Manual Integrations
APPROVED

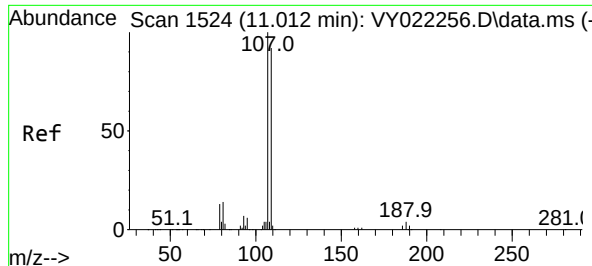
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#60
Dibromochloromethane
Concen: 53.868 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

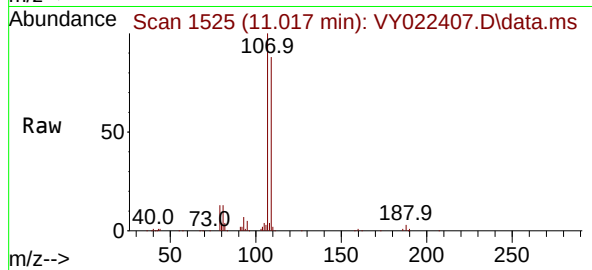
Tgt Ion:129 Resp: 124963
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 53.833 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

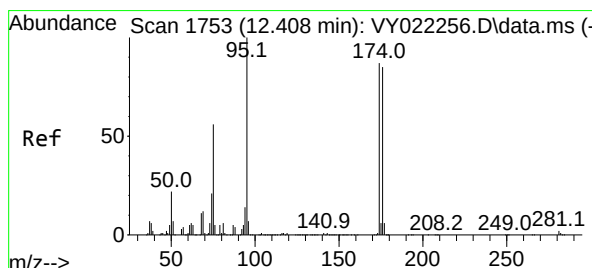
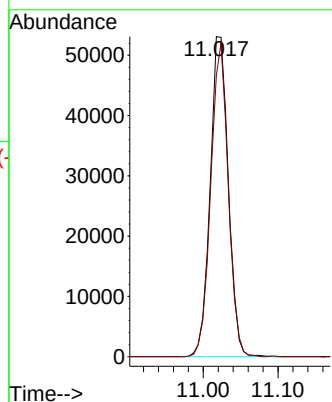
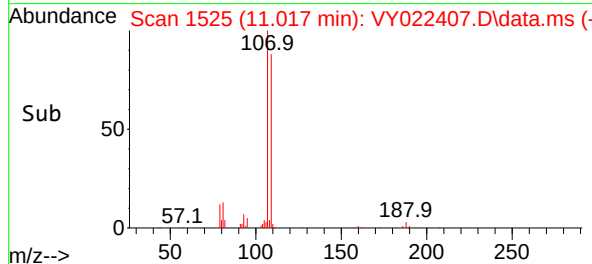
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 89675
Ion Ratio Lower Upper
107 100
109 93.9 74.6 111.8

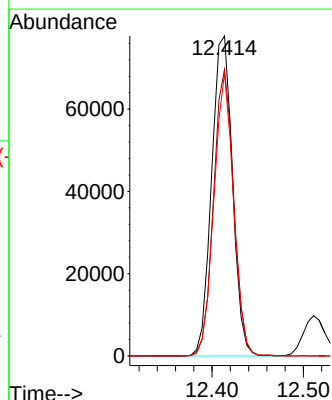
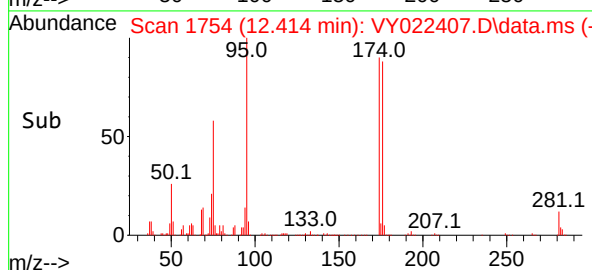
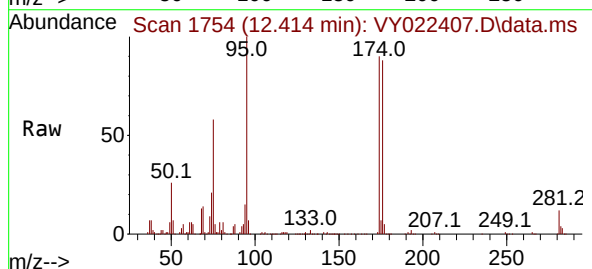
Manual Integrations
APPROVED

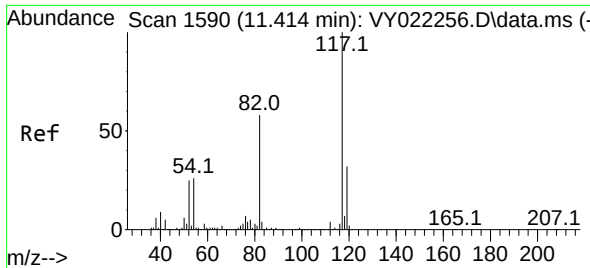
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#62
4-Bromofluorobenzene
Concen: 43.119 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

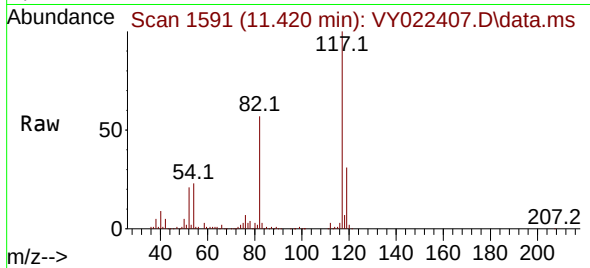
Tgt Ion: 95 Resp: 123042
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 83.2 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

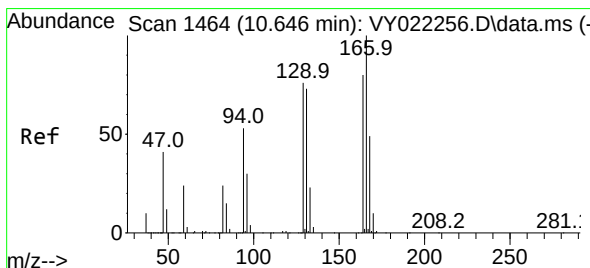
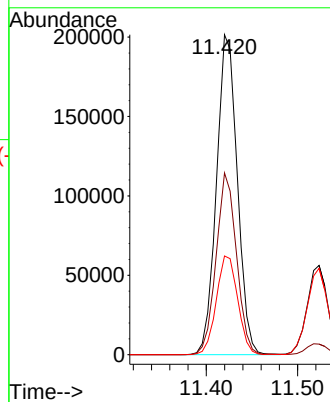
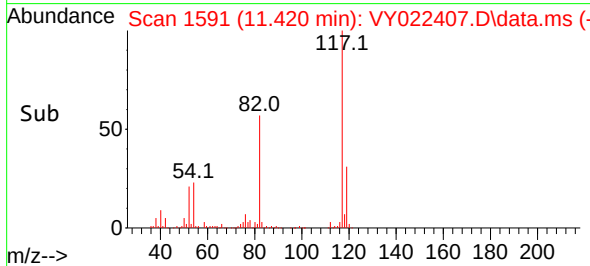
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 31971
Ion Ratio Lower Upper
117 100
82 56.8 46.6 70.0
119 30.8 25.8 38.6

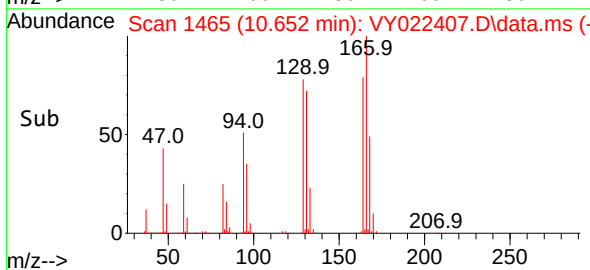
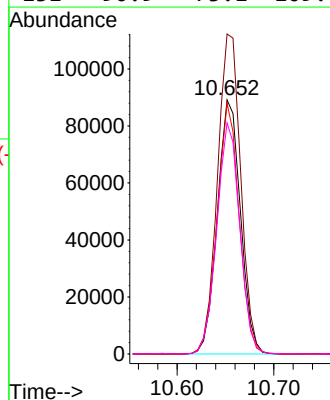
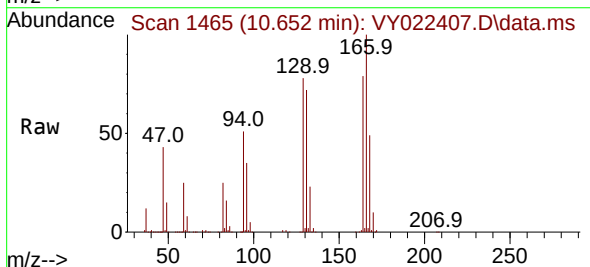
Manual Integrations
APPROVED

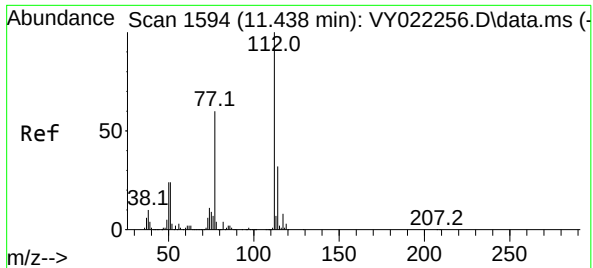
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#64
Tetrachloroethene
Concen: 50.091 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

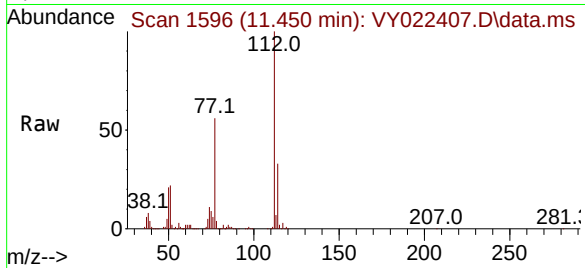
Tgt Ion:164 Resp: 148025
Ion Ratio Lower Upper
164 100
166 125.9 100.4 150.6
129 98.6 76.4 114.6
131 90.9 73.1 109.7





#65
Chlorobenzene
Concen: 52.815 ug/l
RT: 11.450 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

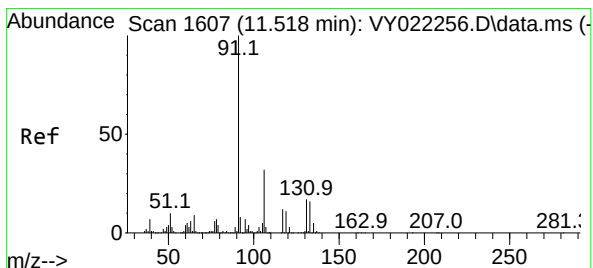
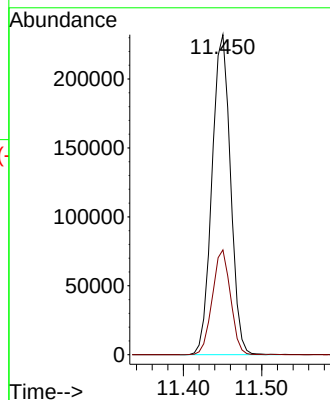
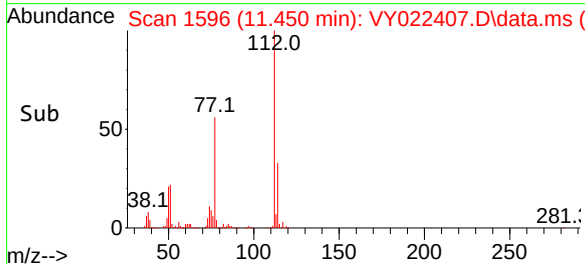
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



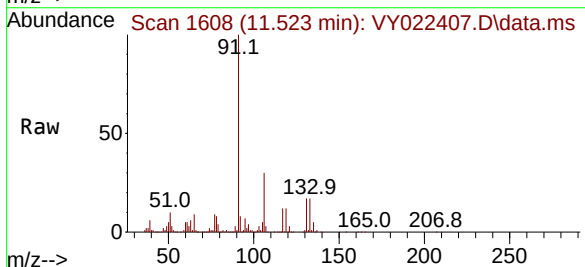
Tgt Ion:112 Resp: 38095
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6

Manual Integrations
APPROVED

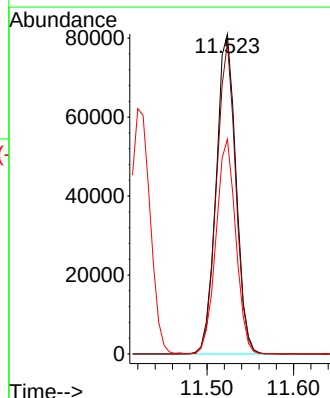
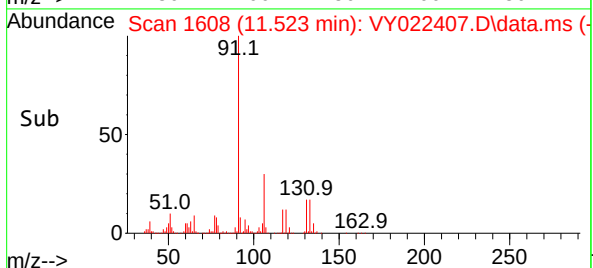
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

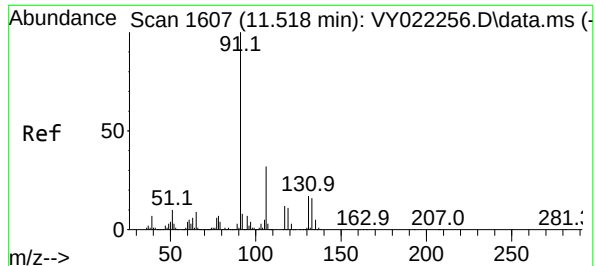


#66
1,1,1,2-Tetrachloroethane
Concen: 52.064 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



Tgt Ion:131 Resp: 129105
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 66.9 33.1 99.2





#67

Ethyl Benzene

Concen: 52.532 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 70963

Ion Ratio Lower Upper

91 100

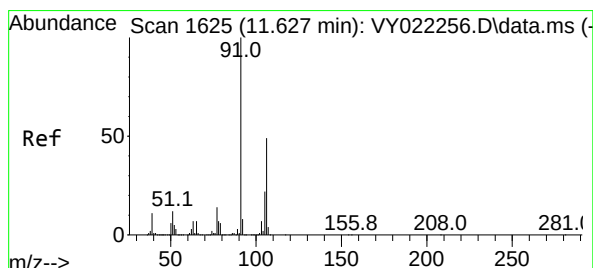
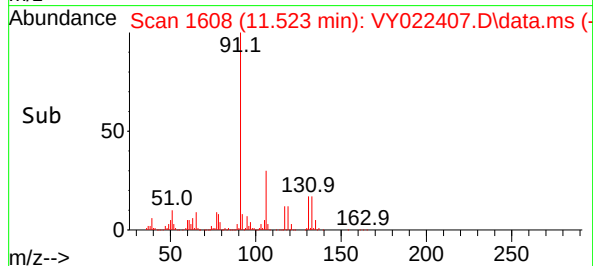
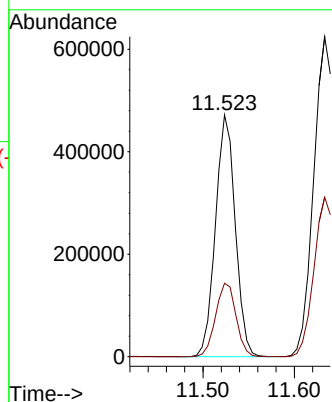
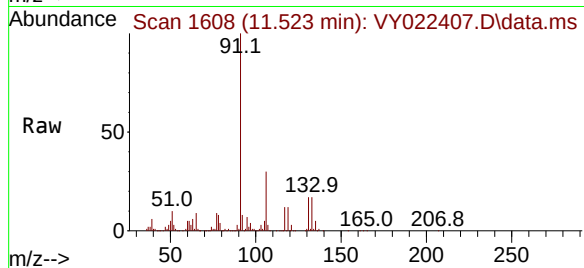
106 30.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#68

m/p-Xylenes

Concen: 106.314 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022407.D

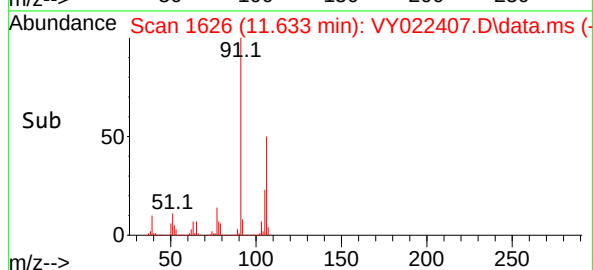
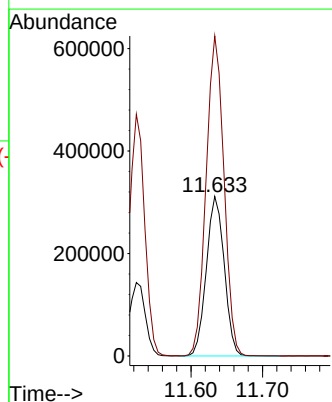
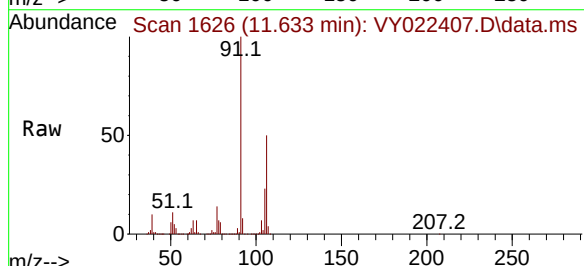
Acq: 23 May 2025 14:34

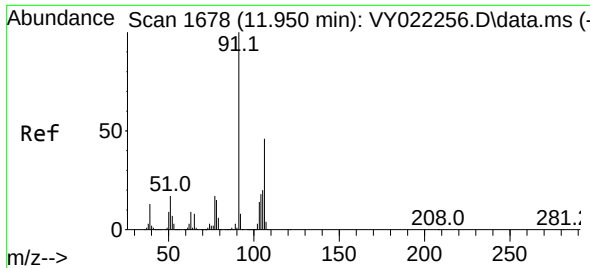
Tgt Ion:106 Resp: 541165

Ion Ratio Lower Upper

106 100

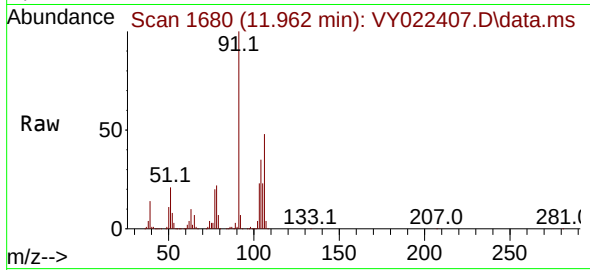
91 199.9 163.0 244.4





#69
o-Xylene
Concen: 52.908 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.012 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

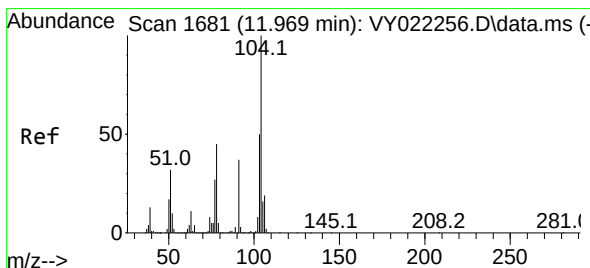
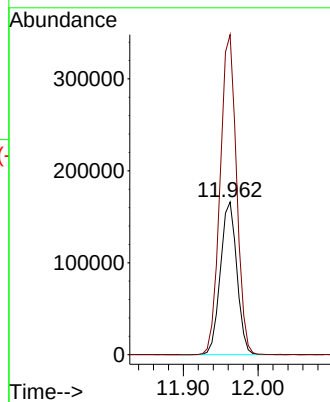
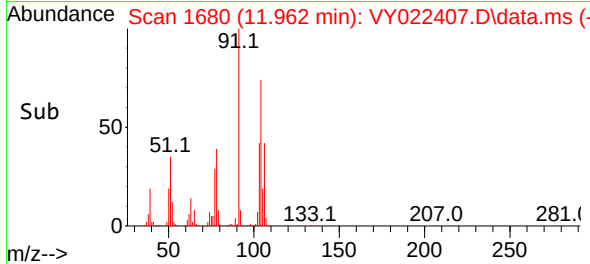
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



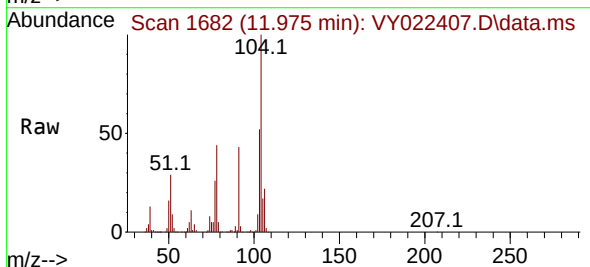
Tgt Ion:106 Resp: 254800
Ion Ratio Lower Upper
106 100
91 209.5 108.3 324.8

Manual Integrations
APPROVED

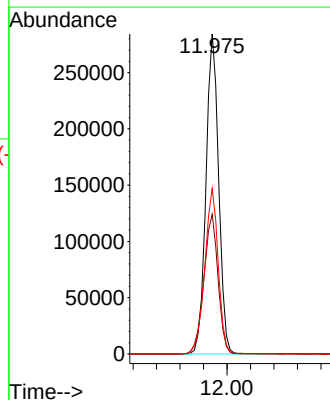
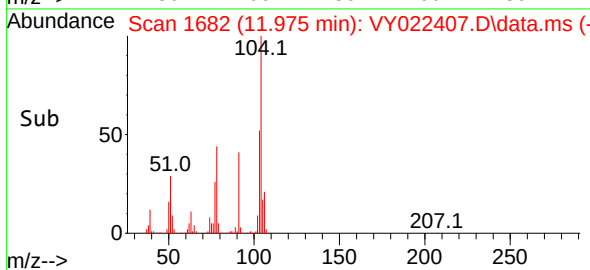
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

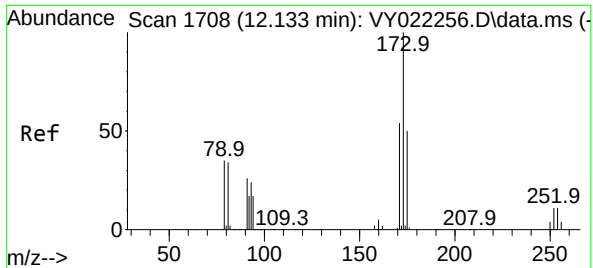


#70
Styrene
Concen: 52.512 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



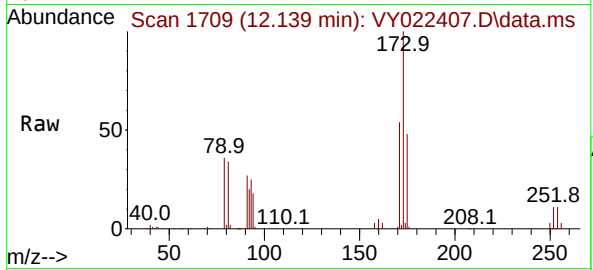
Tgt Ion:104 Resp: 426601
Ion Ratio Lower Upper
104 100
78 48.5 40.9 61.3
103 54.9 43.7 65.5





#71
Bromoform
Concen: 50.619 ug/l
RT: 12.139 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

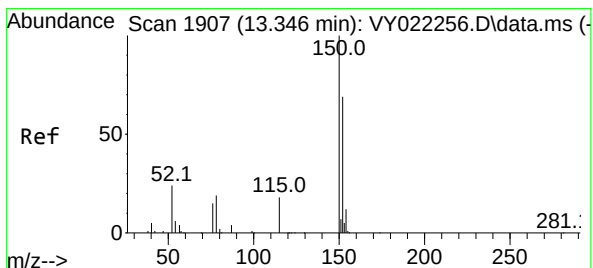
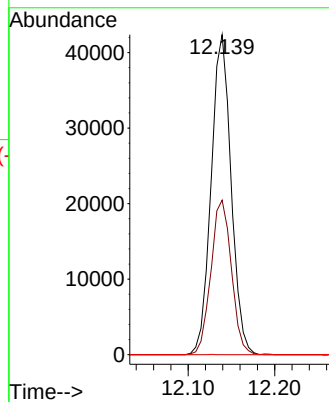
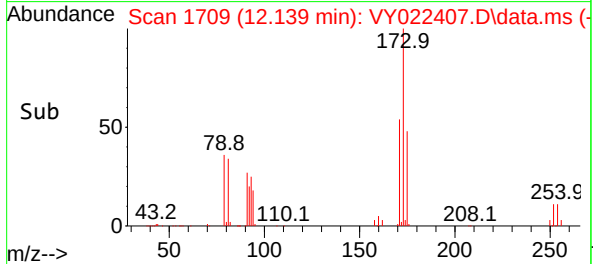
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



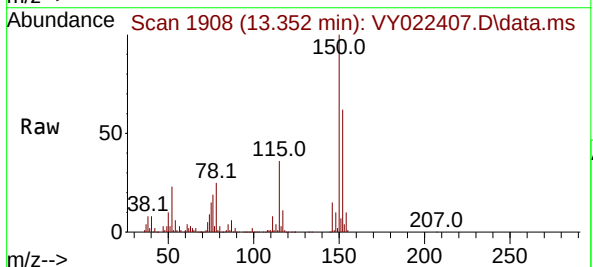
Tgt Ion:173 Resp: 6775
Ion Ratio Lower Upper
173 100
175 49.6 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

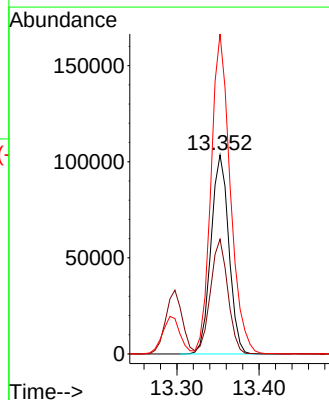
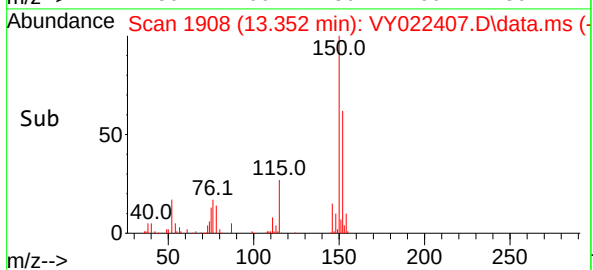
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

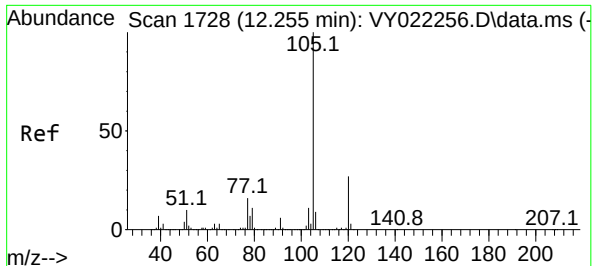


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



Tgt Ion:152 Resp: 156128
Ion Ratio Lower Upper
152 100
115 56.2 29.4 88.2
150 173.2 0.0 353.8





#73

Isopropylbenzene

Concen: 51.371 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 66445

Ion Ratio Lower Upper

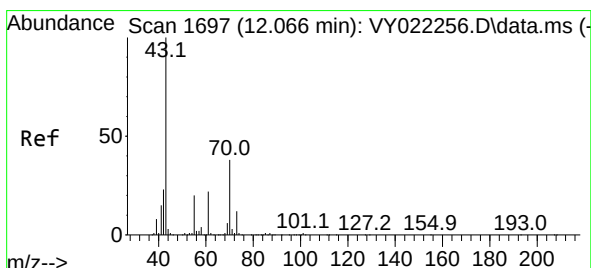
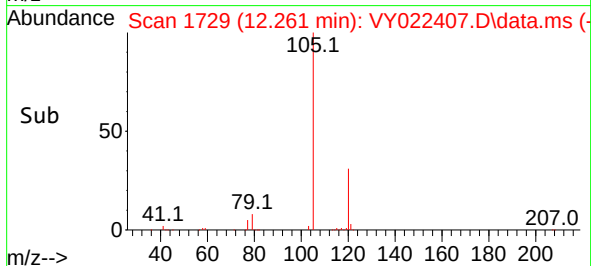
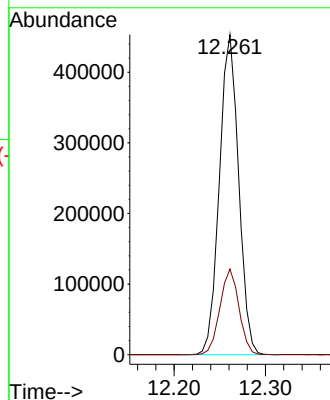
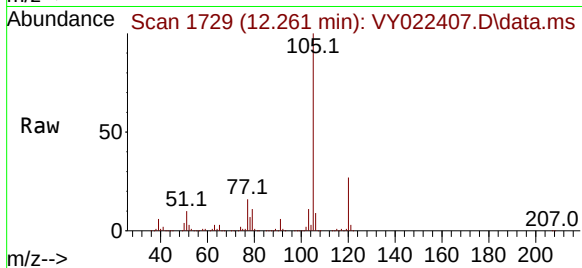
105 100

120 26.4 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#74

N-ethyl acetate

Concen: 45.779 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Tgt Ion: 43 Resp: 169349

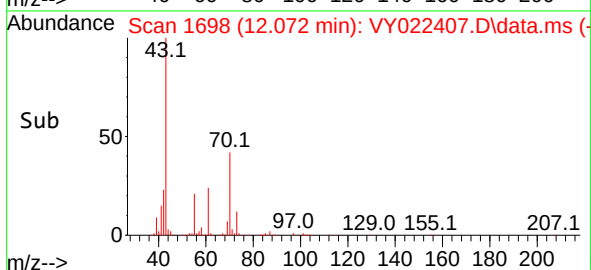
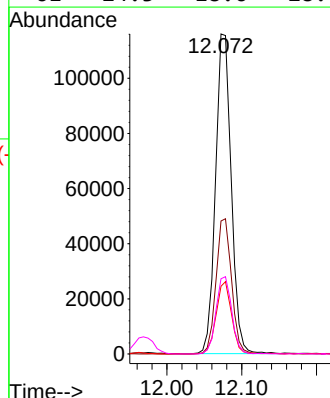
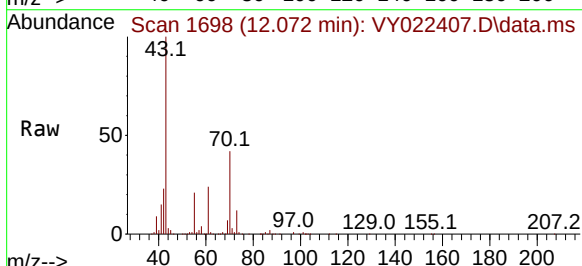
Ion Ratio Lower Upper

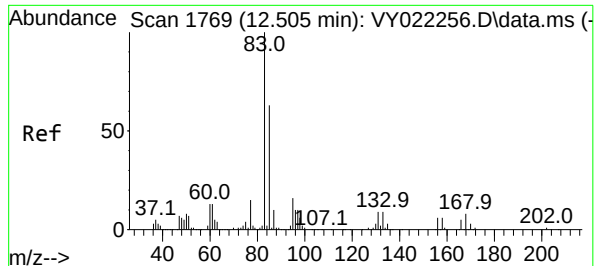
43 100

70 41.8 31.4 47.0

55 22.3 17.0 25.6

61 24.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.437 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 104308

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

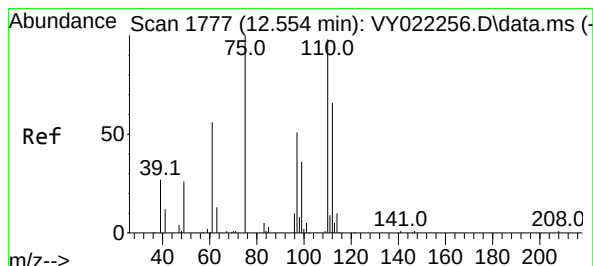
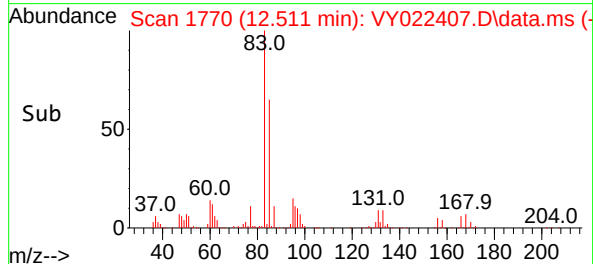
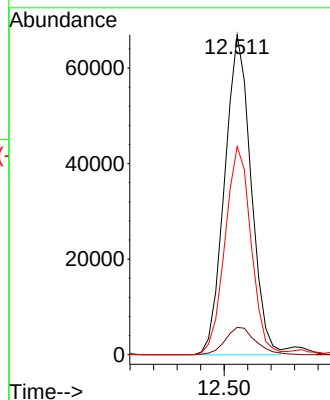
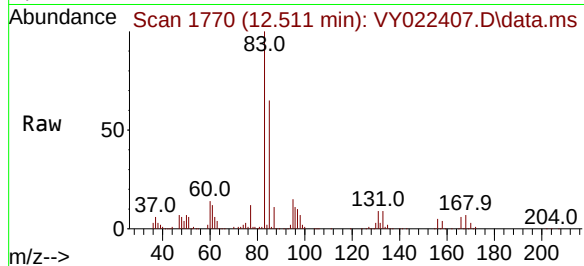
85 64.6 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#76

1,2,3-Trichloropropane

Concen: 49.038 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022407.D

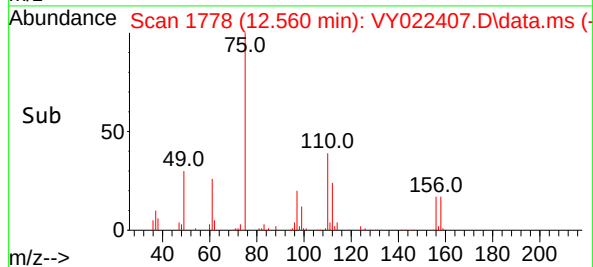
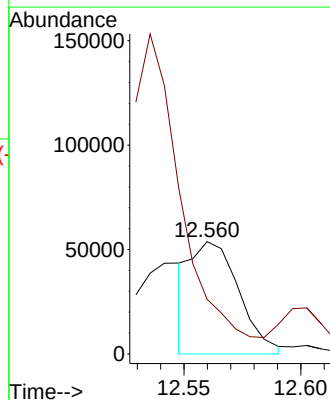
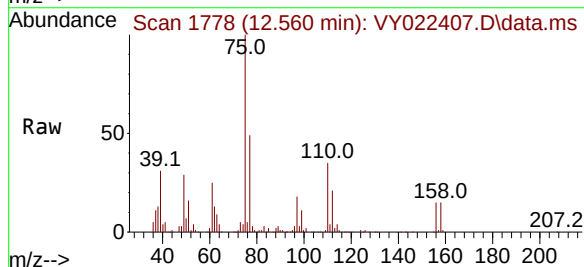
Acq: 23 May 2025 14:34

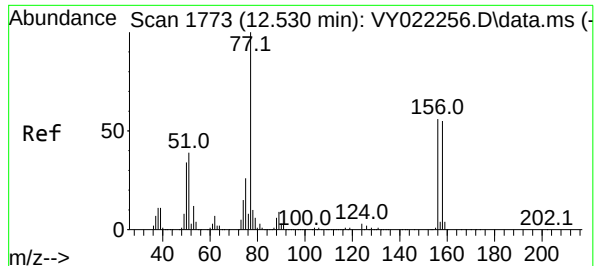
Tgt Ion: 75 Resp: 77565

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.501 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 13951

Ion Ratio Lower Upper

156 100

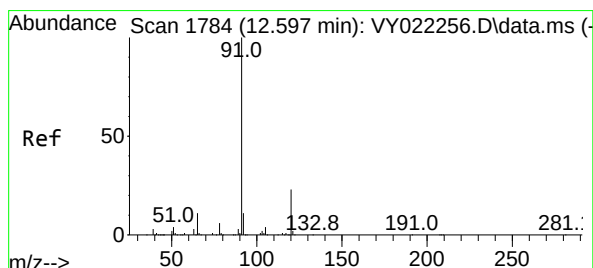
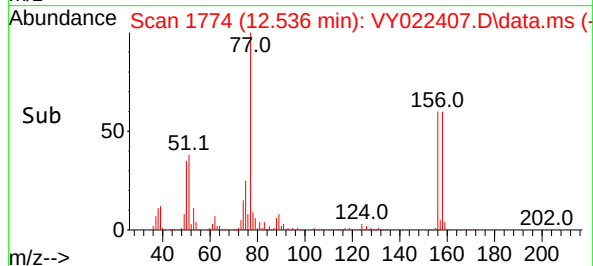
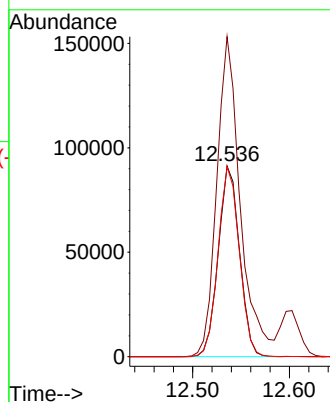
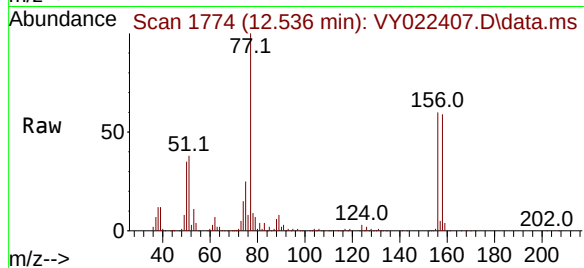
77 185.6 94.5 283.6

158 99.4 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#78

n-propylbenzene

Concen: 51.904 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VY022407.D

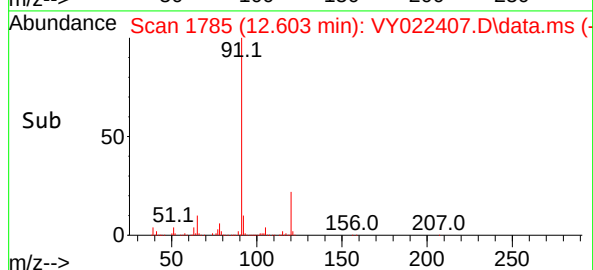
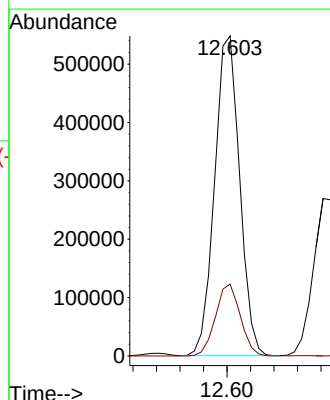
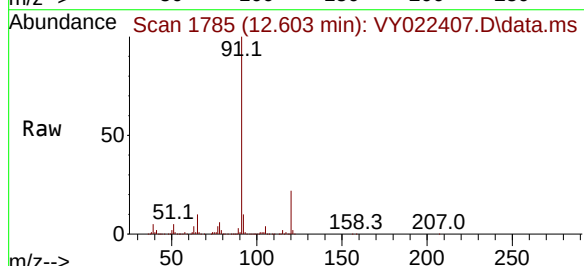
Acq: 23 May 2025 14:34

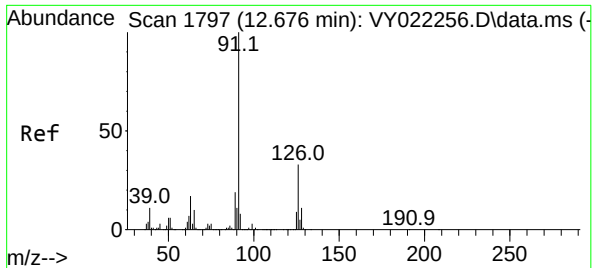
Tgt Ion: 91 Resp: 809774

Ion Ratio Lower Upper

91 100

120 22.3 11.1 33.3





#79

2-Chlorotoluene

Concen: 49.921 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 427999

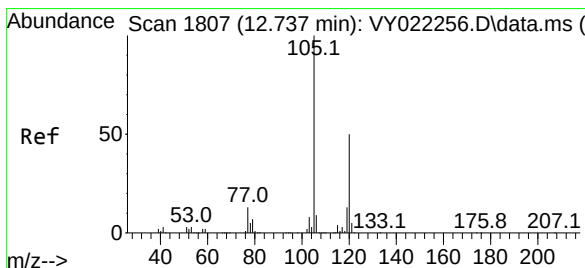
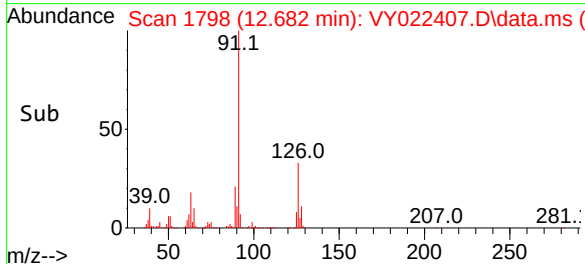
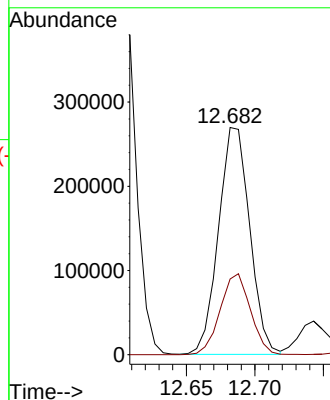
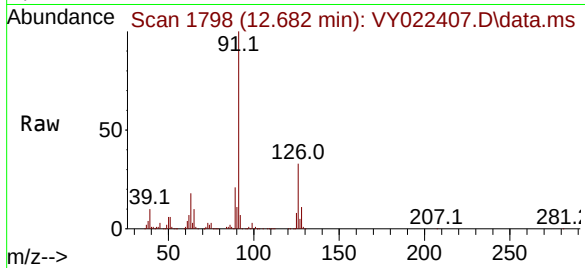
Ion Ratio Lower Upper

91 100

126 34.5 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#80

1,3,5-Trimethylbenzene

Concen: 50.370 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022407.D

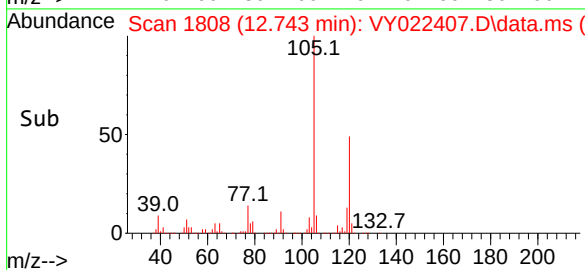
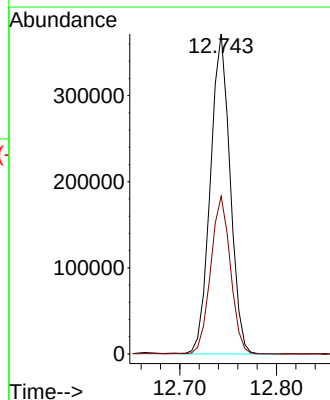
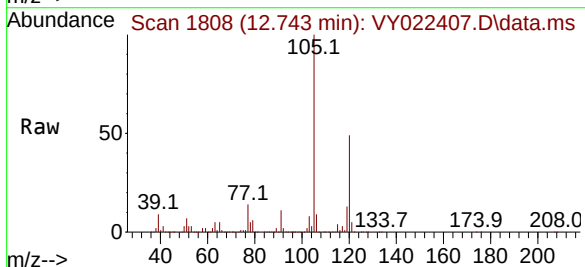
Acq: 23 May 2025 14:34

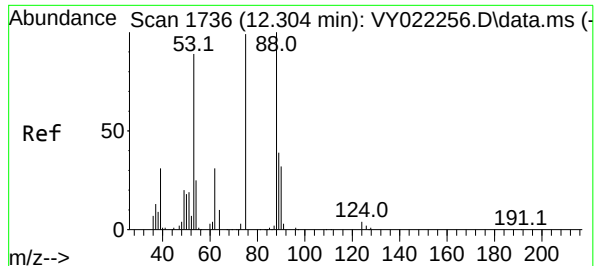
Tgt Ion:105 Resp: 525917

Ion Ratio Lower Upper

105 100

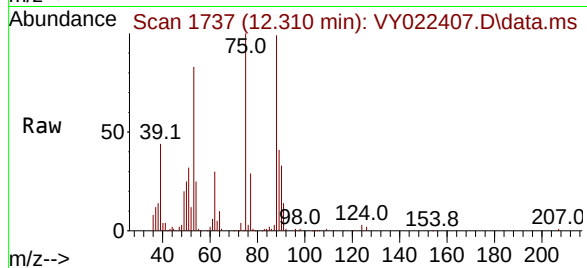
120 49.4 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.111 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

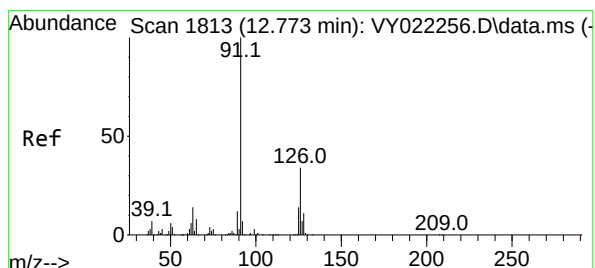
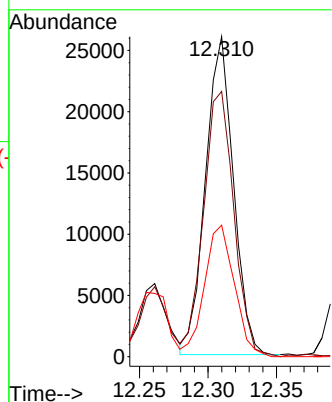
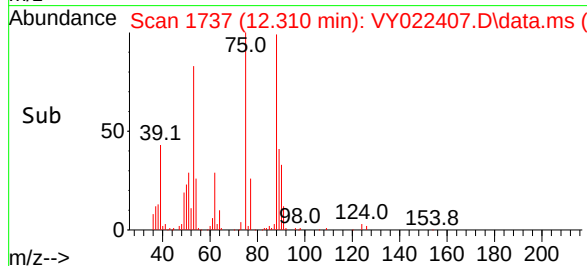
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 36785
Ion Ratio Lower Upper
75 100
53 90.7 75.8 113.8
89 44.4 36.2 54.2

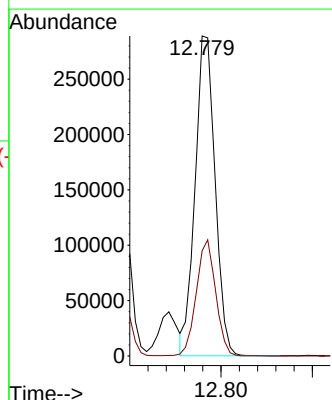
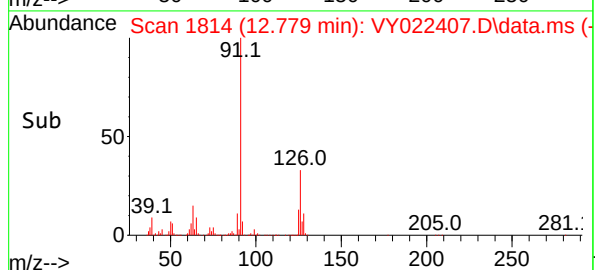
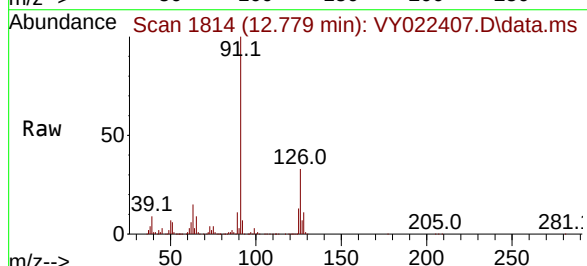
Manual Integrations
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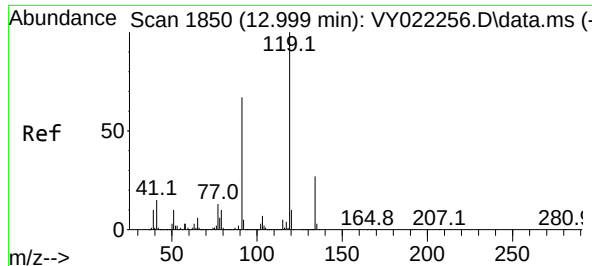
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#82
4-Chlorotoluene
Concen: 49.894 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

Tgt Ion: 91 Resp: 439995
Ion Ratio Lower Upper
91 100
126 35.2 16.8 50.4





#83

tert-Butylbenzene

Concen: 51.135 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. 0.006 min

Lab File: VY022407.D

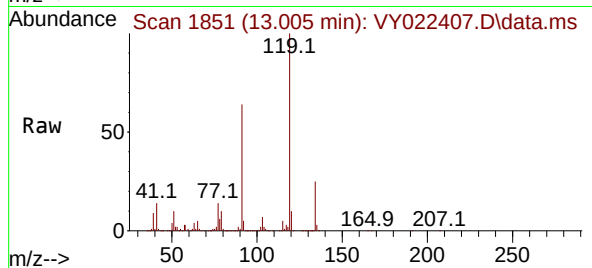
Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:119 Resp: 47454

Ion Ratio Lower Upper

119 100

91 62.9 32.8 98.3

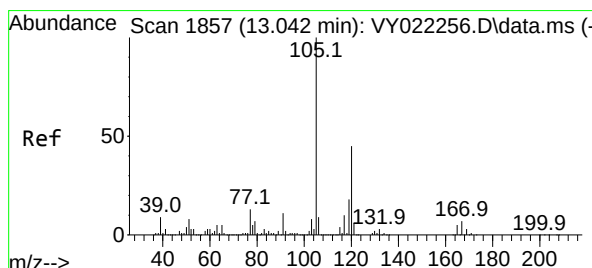
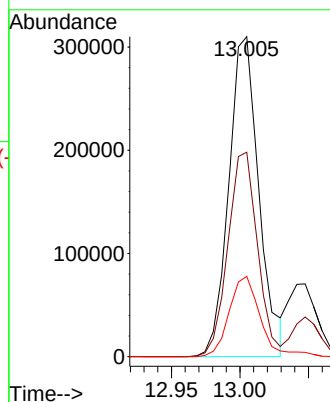
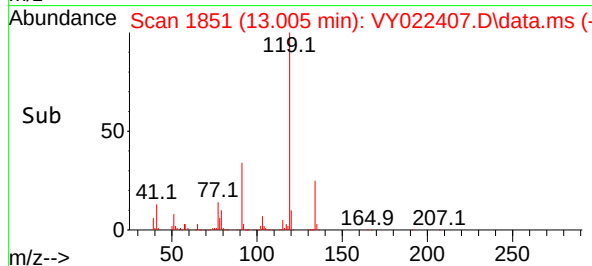
134 26.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#84

1,2,4-Trimethylbenzene

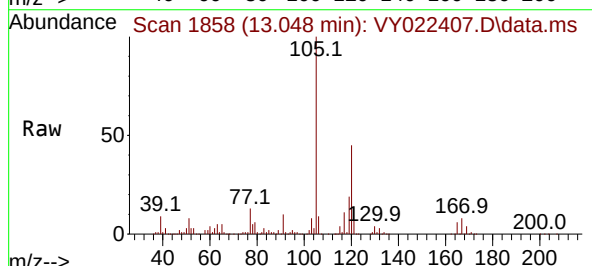
Concen: 50.812 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

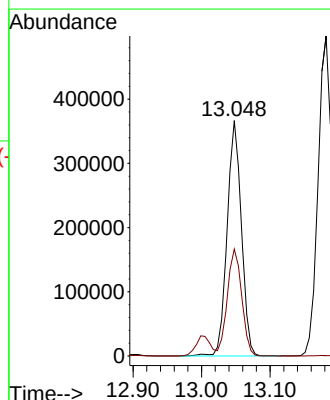
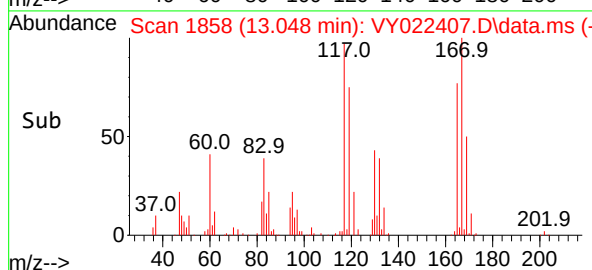


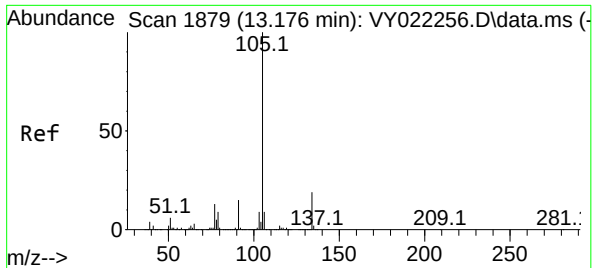
Tgt Ion:105 Resp: 526654

Ion Ratio Lower Upper

105 100

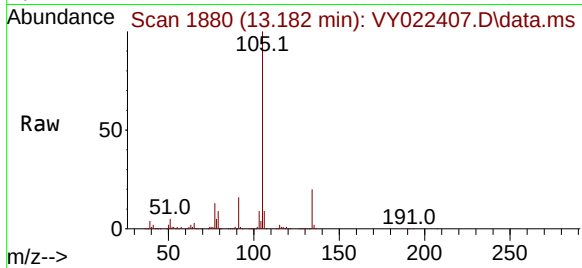
120 45.8 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 51.842 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022407.D
 Acq: 23 May 2025 14:34

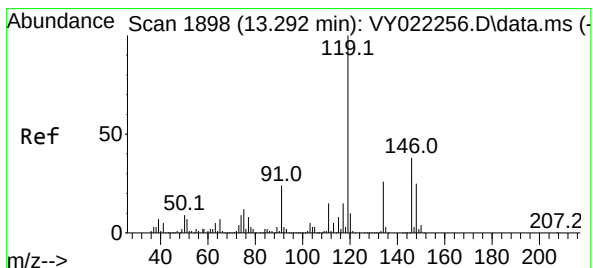
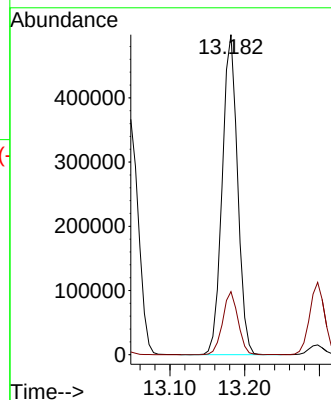
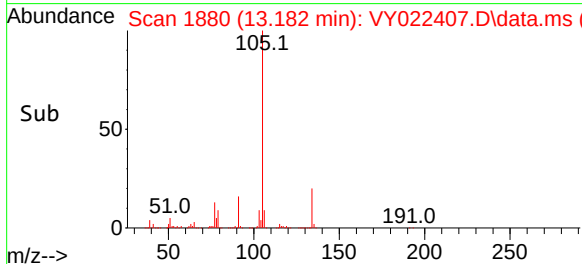
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 714168
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5

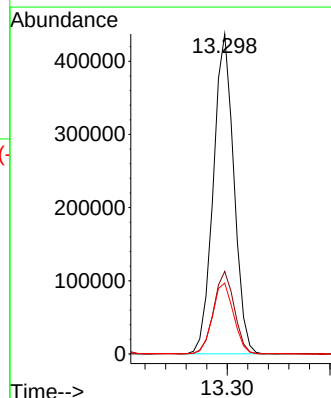
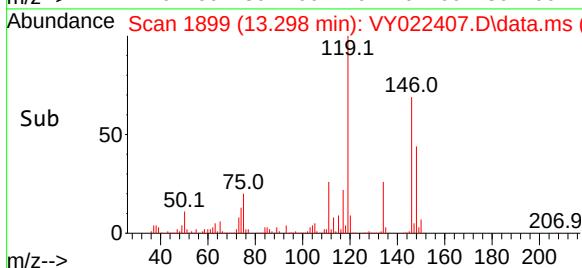
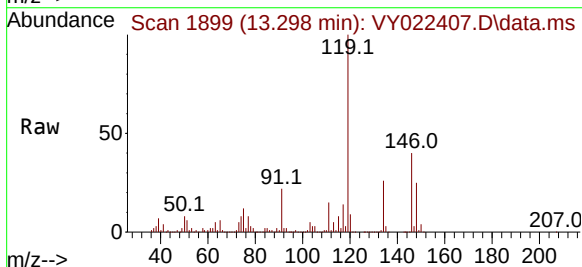
Manual Integrations
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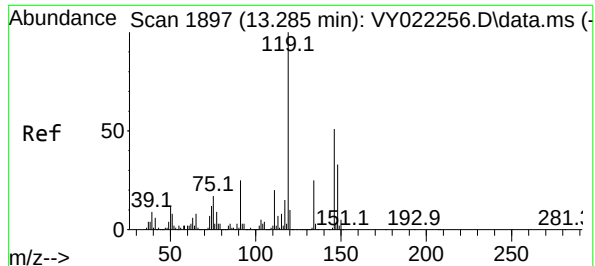
Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#86
 p-Isopropyltoluene
 Concen: 52.345 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022407.D
 Acq: 23 May 2025 14:34

Tgt Ion:119 Resp: 606476
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.6
 91 22.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 51.356 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 28962

Ion Ratio Lower Upper

146 100

111 39.2 19.9 59.7

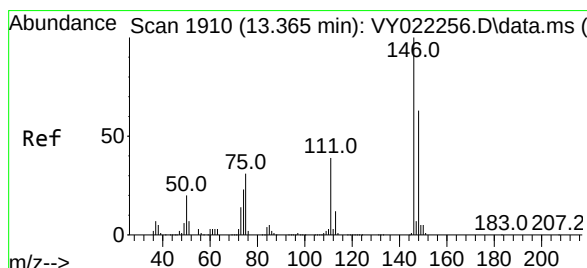
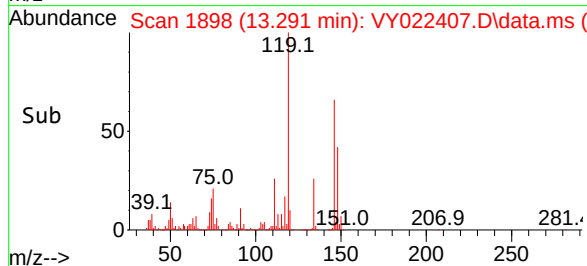
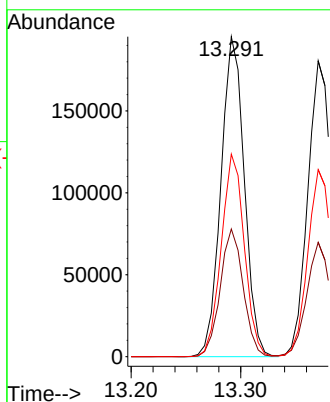
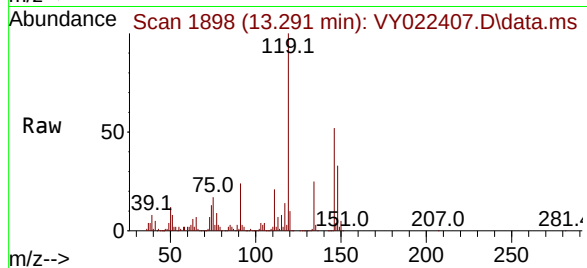
148 62.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#88

1,4-Dichlorobenzene

Concen: 50.838 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022407.D

Acq: 23 May 2025 14:34

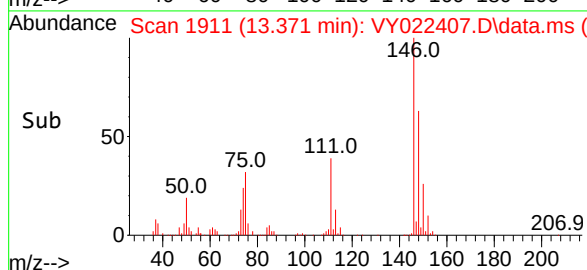
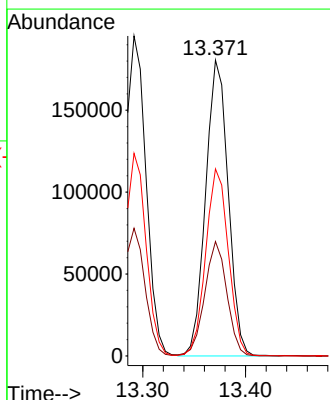
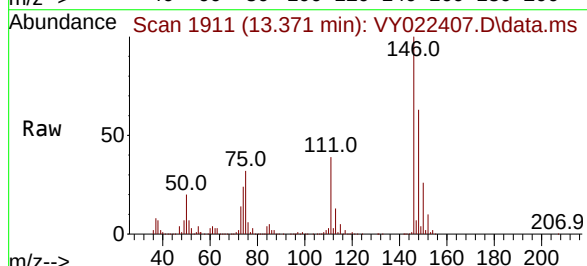
Tgt Ion:146 Resp: 275777

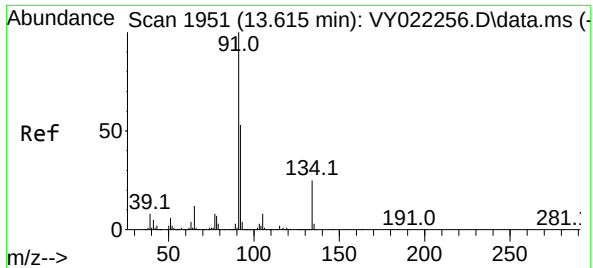
Ion Ratio Lower Upper

146 100

111 38.0 20.0 59.9

148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 52.136 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022407.D

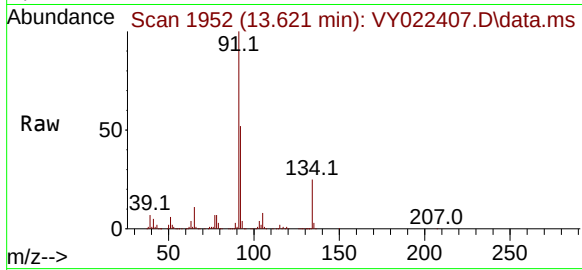
Acq: 23 May 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 91 Resp: 571460

Ion Ratio Lower Upper

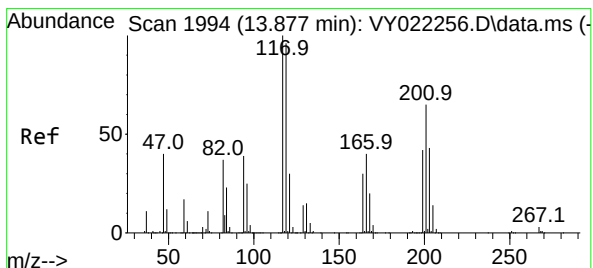
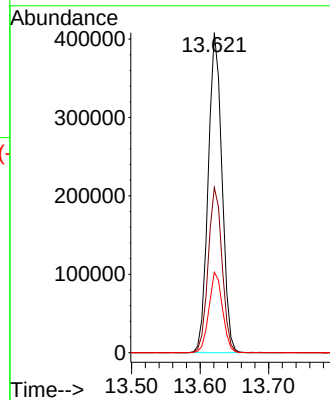
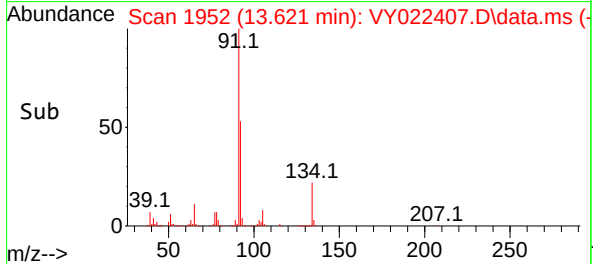
91 100

92 52.1 26.3 78.9

134 24.8 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#90

Hexachloroethane

Concen: 49.754 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022407.D

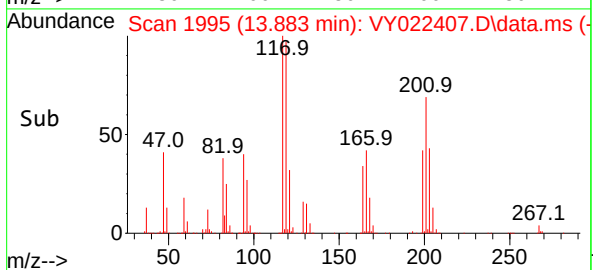
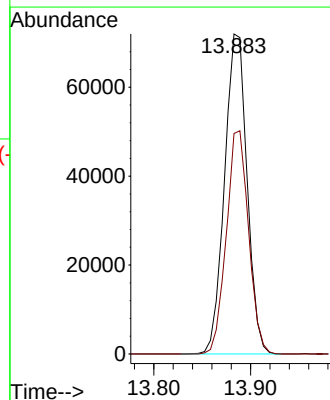
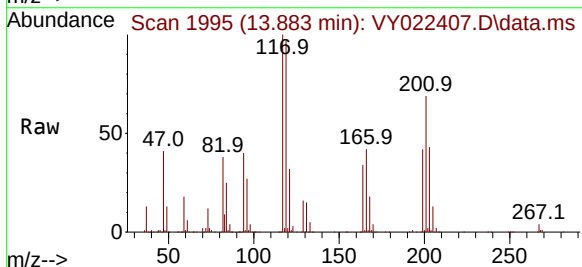
Acq: 23 May 2025 14:34

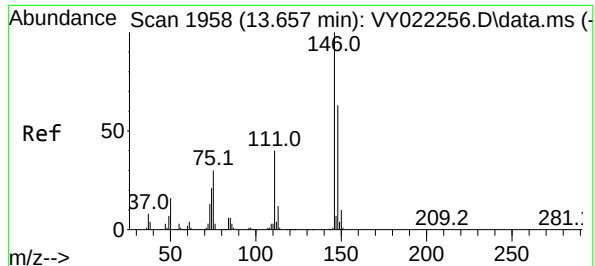
Tgt Ion:117 Resp: 116364

Ion Ratio Lower Upper

117 100

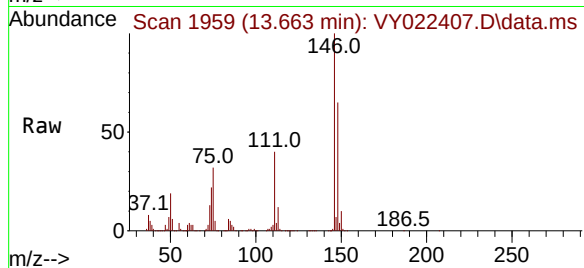
201 68.9 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 50.973 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

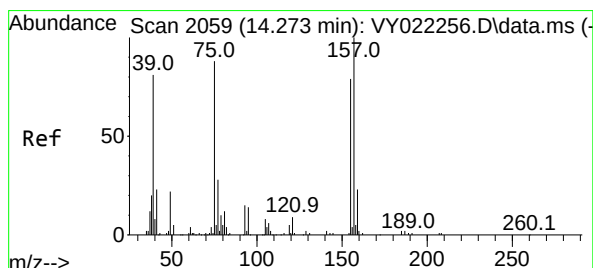
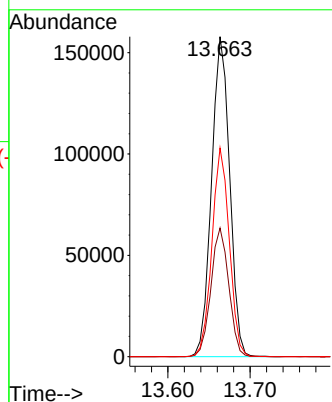
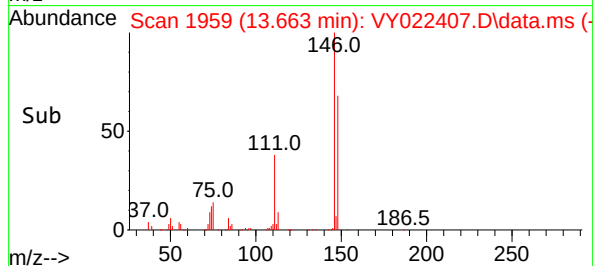
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 241462
Ion Ratio Lower Upper
146 100
111 39.8 20.5 61.5
148 62.7 32.0 96.0

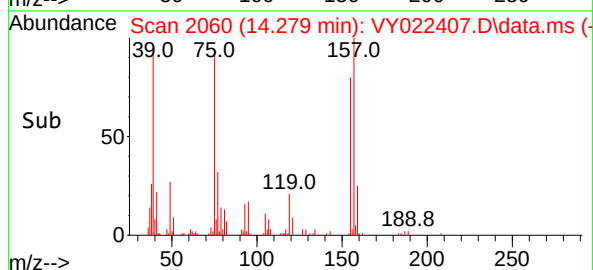
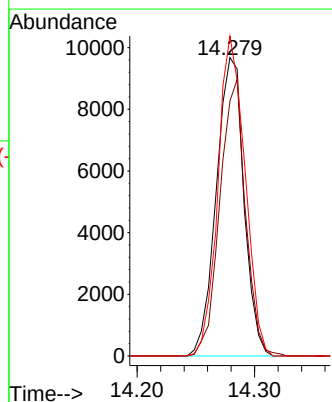
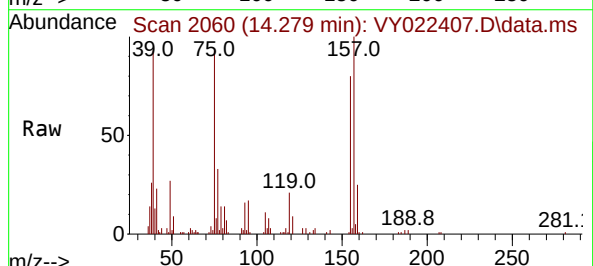
Manual Integrations
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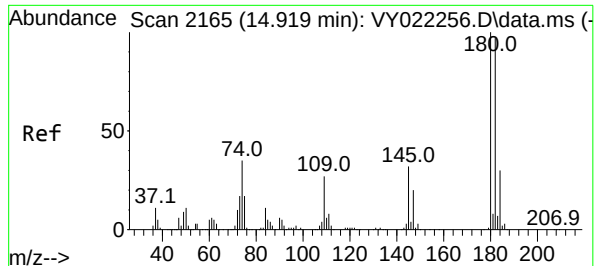
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.266 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

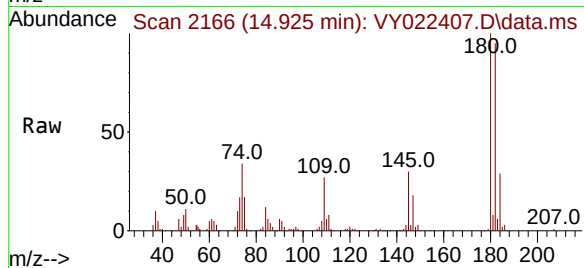
Tgt Ion: 75 Resp: 15803
Ion Ratio Lower Upper
75 100
155 86.0 43.4 130.1
157 104.9 54.6 163.9





#93
1,2,4-Trichlorobenzene
Concen: 49.720 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

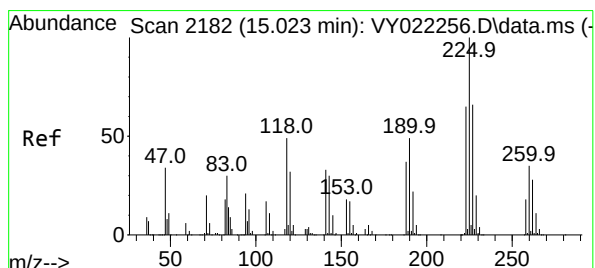
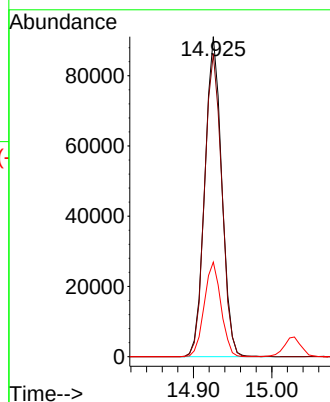
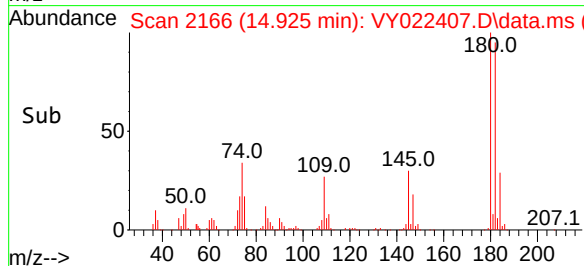
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:180 Resp: 13604
Ion Ratio Lower Upper
180 100
182 96.7 48.0 144.0
145 29.4 15.0 45.1

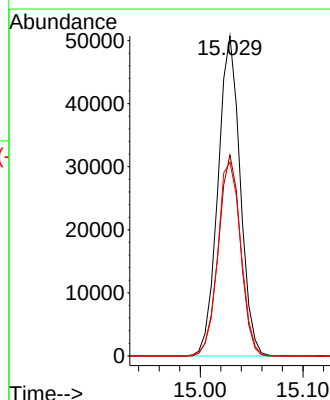
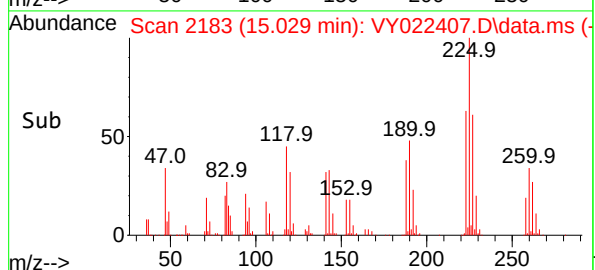
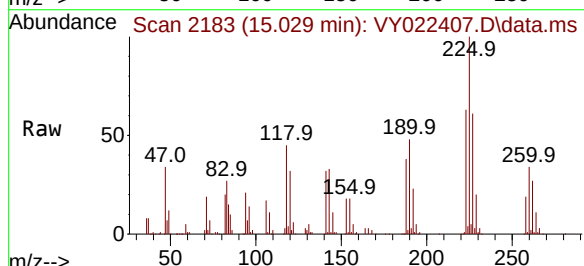
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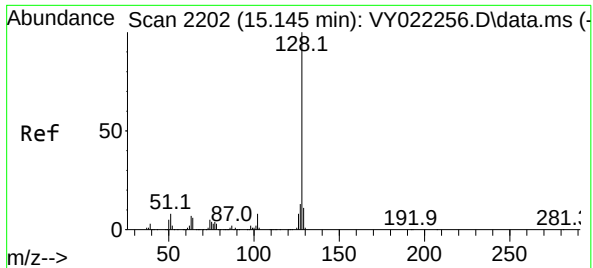
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#94
Hexachlorobutadiene
Concen: 49.779 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

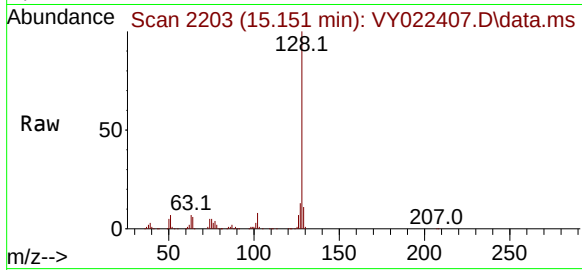
Tgt Ion:225 Resp: 75960
Ion Ratio Lower Upper
225 100
223 62.3 31.5 94.5
227 63.0 32.1 96.3





#95
Naphthalene
Concen: 50.366 ug/l
RT: 15.151 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34

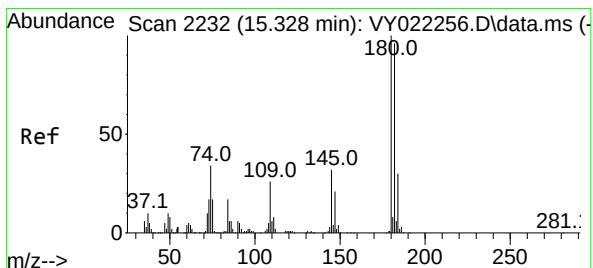
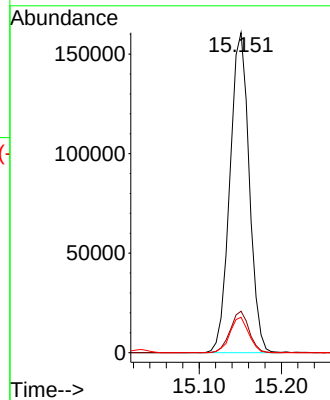
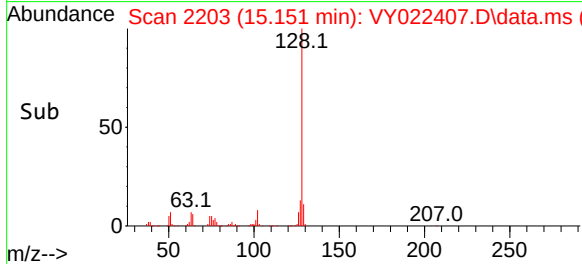
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



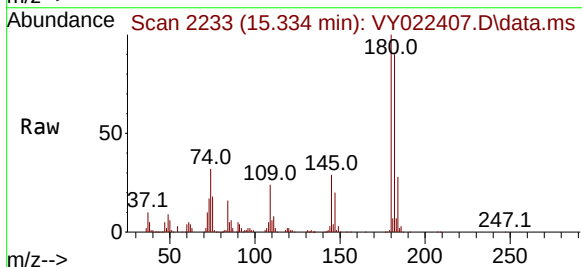
Tgt Ion:128 Resp: 26152
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.8 8.8 13.2

Manual Integrations
APPROVED

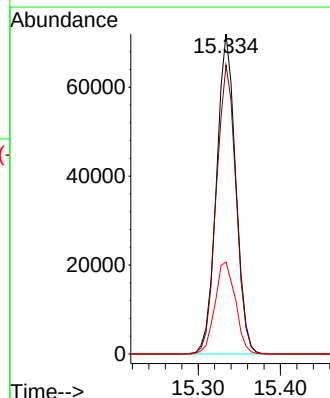
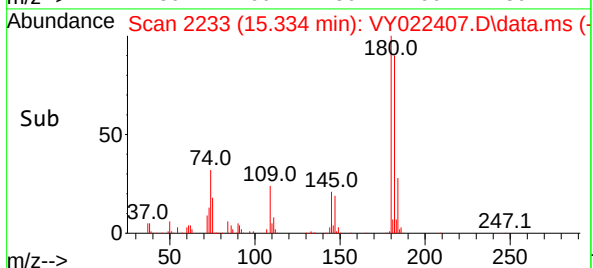
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.307 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022407.D
Acq: 23 May 2025 14:34



Tgt Ion:180 Resp: 116775
Ion Ratio Lower Upper
180 100
182 92.2 47.1 141.3
145 30.6 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	83	0.01
2 T	Dichlorodifluoromethane	0.522	0.529	-1.3	86	0.00
3 P	Chloromethane	1.097	1.312	-19.6	104	0.01
4 C	Vinyl Chloride	1.226	1.569	-28.0#	107	0.00
5 T	Bromomethane	0.998	1.869	-87.3#	176#	0.00
6 T	Chloroethane	0.763	1.174	-53.9#	128	0.00
7 T	Trichlorofluoromethane	1.241	1.446	-16.5	98	0.00
8 T	Diethyl Ether	0.298	0.305	-2.3	86	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.598	-10.9	92	0.00
10 T	Methyl Iodide	0.624	0.701	-12.3	84	0.00
11 T	Tert butyl alcohol	0.042	0.039	7.1	83	0.02
12 CM	1,1-Dichloroethene	0.535	0.580	-8.4#	89	0.01
13 T	Acrolein	0.061	0.005	91.8#	7#	0.02
14 T	Allyl chloride	0.938	0.865	7.8	75	0.02
15 T	Acrylonitrile	0.123	0.123	0.0	85	0.01
16 T	Acetone	0.102	0.112	-9.8	100	0.02
17 T	Carbon Disulfide	1.744	1.866	-7.0	88	0.00
18 T	Methyl Acetate	0.323	0.277	14.2	76	0.01
19 T	Methyl tert-butyl Ether	1.475	1.534	-4.0	87	0.01
20 T	Methylene Chloride	0.662	0.610	7.9	85	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.629	-6.6	88	0.02
22 T	Diisopropyl ether	1.980	1.867	5.7	78	0.01
23 T	Vinyl Acetate	1.196	1.156	3.3	81	0.01
24 P	1,1-Dichloroethane	1.106	1.138	-2.9	84	0.00
25 T	2-Butanone	0.171	0.165	3.5	85	0.01
26 T	2,2-Dichloropropane	0.984	1.039	-5.6	87	0.01
27 T	cis-1,2-Dichloroethene	0.681	0.745	-9.4	89	0.00
28 T	Bromochloromethane	0.472	0.452	4.2	79	0.00
29 T	Tetrahydrofuran	0.110	0.104	5.5	81	0.01
30 C	Chloroform	1.061	1.137	-7.2#	87	0.00
31 T	Cyclohexane	1.105	1.069	3.3	84	0.01
32 T	1,1,1-Trichloroethane	0.974	1.014	-4.1	86	0.01
33 S	1,2-Dichloroethane-d4	0.546	0.475	13.0	73	0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.298	0.280	6.0	78	0.00
36 T	1,1-Dichloropropene	0.492	0.524	-6.5	87	0.01
37 T	Ethyl Acetate	0.237	0.226	4.6	81	0.00
38 T	Carbon Tetrachloride	0.509	0.543	-6.7	88	0.01
39 T	Methylcyclohexane	0.660	0.714	-8.2	89	0.00
40 TM	Benzene	1.457	1.555	-6.7	87	0.00
41 T	Methacrylonitrile	0.157	0.152	3.2	81	0.01
42 TM	1,2-Dichloroethane	0.394	0.407	-3.3	85	0.00
43 T	Isopropyl Acetate	0.516	0.489	5.2	80	0.01
44 TM	Trichloroethene	0.362	0.386	-6.6	87	0.00
45 C	1,2-Dichloropropane	0.351	0.363	-3.4#	85	0.00
46 T	Dibromomethane	0.189	0.203	-7.4	90	0.00
47 T	Bromodichloromethane	0.492	0.522	-6.1	86	0.01
48 T	Methyl methacrylate	0.241	0.223	7.5	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	89	0.01
50 S	Toluene-d8	1.222	1.060	13.3	72	0.01
51 T	4-Methyl-2-Pentanone	0.253	0.241	4.7	80	0.00
52 CM	Toluene	0.923	0.988	-7.0#	88	0.00
53 T	t-1,3-Dichloropropene	0.480	0.487	-1.5	84	0.01
54 T	cis-1,3-Dichloropropene	0.550	0.574	-4.4	86	0.01
55 T	1,1,2-Trichloroethane	0.243	0.261	-7.4	90	0.00
56 T	Ethyl methacrylate	0.378	0.389	-2.9	86	0.00
57 T	1,3-Dichloropropane	0.431	0.457	-6.0	88	0.00
58 T	2-Chloroethyl Vinyl ether	0.170	0.174	-2.4	79	0.01
59 T	2-Hexanone	0.170	0.166	2.4	84	0.00
60 T	Dibromochloromethane	0.315	0.339	-7.6	88	0.01
61 T	1,2-Dibromoethane	0.226	0.243	-7.5	90	0.00
62 S	4-Bromofluorobenzene	0.387	0.334	13.7	72	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64 T	Tetrachloroethene	0.462	0.463	-0.2	83	0.00
65 PM	Chlorobenzene	1.128	1.192	-5.7	87	0.01
66 T	1,1,1,2-Tetrachloroethane	0.388	0.404	-4.1	87	0.00
67 C	Ethyl Benzene	2.113	2.220	-5.1#	86	0.00
68 T	m/p-Xylenes	0.796	0.846	-6.3	88	0.00
69 T	o-Xylene	0.753	0.797	-5.8	88	0.01
70 T	Styrene	1.270	1.334	-5.0	87	0.00
71 P	Bromoform	0.209	0.212	-1.4	86	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	4.142	4.256	-2.8	88	0.00
74 T	N-amyl acetate	1.185	1.085	8.4	81	0.00
75 P	1,1,2,2-Tetrachloroethane	0.637	0.668	-4.9	92	0.00
76 T	1,2,3-Trichloropropane	0.507	0.497	2.0	86	0.00
77 T	Bromobenzene	0.885	0.894	-1.0	86	0.00
78 T	n-propylbenzene	4.996	5.187	-3.8	88	0.00
79 T	2-Chlorotoluene	2.746	2.741	0.2	85	0.00
80 T	1,3,5-Trimethylbenzene	3.344	3.368	-0.7	86	0.00
81 T	trans-1,4-Dichloro-2-butene	0.250	0.236	5.6	86	0.00
82 T	4-Chlorotoluene	2.824	2.818	0.2	84	0.00
83 T	tert-Butylbenzene	2.972	3.039	-2.3	87	0.00
84 T	1,2,4-Trimethylbenzene	3.319	3.373	-1.6	86	0.00
85 T	sec-Butylbenzene	4.412	4.574	-3.7	87	0.00
86 T	p-Isopropyltoluene	3.710	3.884	-4.7	88	0.00
87 T	1,3-Dichlorobenzene	1.806	1.855	-2.7	87	0.00
88 T	1,4-Dichlorobenzene	1.737	1.766	-1.7	87	0.00
89 T	n-Butylbenzene	3.510	3.660	-4.3	86	0.00
90 T	Hexachloroethane	0.749	0.745	0.5	85	0.00
91 T	1,2-Dichlorobenzene	1.517	1.547	-2.0	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.101	1.9	88	0.00
93 T	1,2,4-Trichlorobenzene	0.876	0.871	0.6	84	0.00
94 T	Hexachlorobutadiene	0.489	0.487	0.4	84	0.00
95 T	Naphthalene	1.663	1.675	-0.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022407.D
Acq On : 23 May 2025 14:34
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 23 23:19:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	0.743	0.748	-0.7	86	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	83	0.01
2 T	Dichlorodifluoromethane	50.000	50.667	-1.3	86	0.00
3 P	Chloromethane	50.000	59.771	-19.5	104	0.01
4 C	Vinyl Chloride	50.000	63.990	-28.0#	107	0.00
5 T	Bromomethane	50.000	93.610	-87.2#	176	0.00
6 T	Chloroethane	50.000	76.947	-53.9#	128	0.00
7 T	Trichlorofluoromethane	50.000	58.240	-16.5	98	0.00
8 T	Diethyl Ether	50.000	51.162	-2.3	86	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.449	-10.9	92	0.00
10 T	Methyl Iodide	50.000	56.212	-12.4	84	0.00
11 T	Tert butyl alcohol	250.000	233.304	6.7	83	0.02
12 CM	1,1-Dichloroethene	50.000	54.199	-8.4#	89	0.01
13 T	Acrolein	250.000	20.087	92.0#	7	0.02
14 T	Allyl chloride	50.000	46.134	7.7	75	0.02
15 T	Acrylonitrile	250.000	251.450	-0.6	85	0.01
16 T	Acetone	250.000	274.484	-9.8	100	0.02
17 T	Carbon Disulfide	50.000	53.502	-7.0	88	0.00
18 T	Methyl Acetate	50.000	42.944	14.1	76	0.01
19 T	Methyl tert-butyl Ether	50.000	52.026	-4.1	87	0.01
20 T	Methylene Chloride	50.000	46.098	7.8	85	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.266	-6.5	88	0.02
22 T	Diisopropyl ether	50.000	47.129	5.7	78	0.01
23 T	Vinyl Acetate	250.000	241.628	3.3	81	0.01
24 P	1,1-Dichloroethane	50.000	51.413	-2.8	84	0.00
25 T	2-Butanone	250.000	240.768	3.7	85	0.01
26 T	2,2-Dichloropropane	50.000	52.796	-5.6	87	0.01
27 T	cis-1,2-Dichloroethene	50.000	54.670	-9.3	89	0.00
28 T	Bromochloromethane	50.000	47.928	4.1	79	0.00
29 T	Tetrahydrofuran	250.000	235.730	5.7	81	0.01
30 C	Chloroform	50.000	53.578	-7.2#	87	0.00
31 T	Cyclohexane	50.000	48.361	3.3	84	0.01
32 T	1,1,1-Trichloroethane	50.000	52.075	-4.2	86	0.01
33 S	1,2-Dichloroethane-d4	50.000	43.448	13.1	73	0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	46.982	6.0	78	0.00
36 T	1,1-Dichloropropene	50.000	53.349	-6.7	87	0.01
37 T	Ethyl Acetate	50.000	47.744	4.5	81	0.00
38 T	Carbon Tetrachloride	50.000	53.361	-6.7	88	0.01
39 T	Methylcyclohexane	50.000	54.032	-8.1	89	0.00
40 TM	Benzene	50.000	53.342	-6.7	87	0.00
41 T	Methacrylonitrile	50.000	48.401	3.2	81	0.01
42 TM	1,2-Dichloroethane	50.000	51.680	-3.4	85	0.00
43 T	Isopropyl Acetate	50.000	47.424	5.2	80	0.01
44 TM	Trichloroethene	50.000	53.270	-6.5	87	0.00
45 C	1,2-Dichloropropane	50.000	51.695	-3.4#	85	0.00
46 T	Dibromomethane	50.000	53.582	-7.2	90	0.00
47 T	Bromodichloromethane	50.000	53.066	-6.1	86	0.01
48 T	Methyl methacrylate	50.000	46.300	7.4	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 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 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 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	1012.465	-1.2	89	0.01
50 S	Toluene-d8	50.000	43.369	13.3	72	0.01
51 T	4-Methyl-2-Pentanone	250.000	238.329	4.7	80	0.00
52 CM	Toluene	50.000	53.527	-7.1#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	50.715	-1.4	84	0.01
54 T	cis-1,3-Dichloropropene	50.000	52.261	-4.5	86	0.01
55 T	1,1,2-Trichloroethane	50.000	53.693	-7.4	90	0.00
56 T	Ethyl methacrylate	50.000	51.400	-2.8	86	0.00
57 T	1,3-Dichloropropane	50.000	53.037	-6.1	88	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	255.904	-2.4	79	0.01
59 T	2-Hexanone	250.000	244.413	2.2	84	0.00
60 T	Dibromochloromethane	50.000	53.868	-7.7	88	0.01
61 T	1,2-Dibromoethane	50.000	53.833	-7.7	90	0.00
62 S	4-Bromofluorobenzene	50.000	43.119	13.8	72	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64 T	Tetrachloroethene	50.000	50.091	-0.2	83	0.00
65 PM	Chlorobenzene	50.000	52.815	-5.6	87	0.01
66 T	1,1,1,2-Tetrachloroethane	50.000	52.064	-4.1	87	0.00
67 C	Ethyl Benzene	50.000	52.532	-5.1#	86	0.00
68 T	m/p-Xylenes	100.000	106.314	-6.3	88	0.00
69 T	o-Xylene	50.000	52.908	-5.8	88	0.01
70 T	Styrene	50.000	52.512	-5.0	87	0.00
71 P	Bromoform	50.000	50.619	-1.2	86	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	51.371	-2.7	88	0.00
74 T	N-ethyl acetate	50.000	45.779	8.4	81	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.437	-4.9	92	0.00
76 T	1,2,3-Trichloropropane	50.000	49.038	1.9	86	0.00
77 T	Bromobenzene	50.000	50.501	-1.0	86	0.00
78 T	n-propylbenzene	50.000	51.904	-3.8	88	0.00
79 T	2-Chlorotoluene	50.000	49.921	0.2	85	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.370	-0.7	86	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	47.111	5.8	86	0.00
82 T	4-Chlorotoluene	50.000	49.894	0.2	84	0.00
83 T	tert-Butylbenzene	50.000	51.135	-2.3	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.812	-1.6	86	0.00
85 T	sec-Butylbenzene	50.000	51.842	-3.7	87	0.00
86 T	p-Isopropyltoluene	50.000	52.345	-4.7	88	0.00
87 T	1,3-Dichlorobenzene	50.000	51.356	-2.7	87	0.00
88 T	1,4-Dichlorobenzene	50.000	50.838	-1.7	87	0.00
89 T	n-Butylbenzene	50.000	52.136	-4.3	86	0.00
90 T	Hexachloroethane	50.000	49.754	0.5	85	0.00
91 T	1,2-Dichlorobenzene	50.000	50.973	-1.9	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.266	1.5	88	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.720	0.6	84	0.00
94 T	Hexachlorobutadiene	50.000	49.779	0.4	84	0.00
95 T	Naphthalene	50.000	50.366	-0.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022407.D
Acq On : 23 May 2025 14:34
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 23 23:19:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 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	50.307	-0.6	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



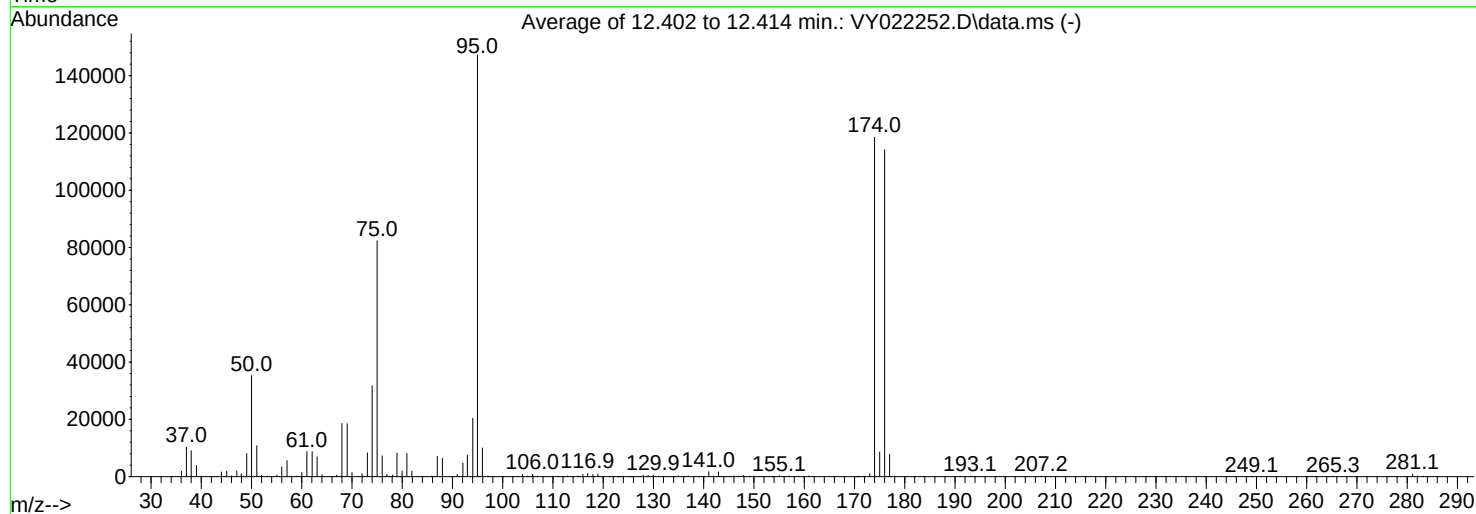
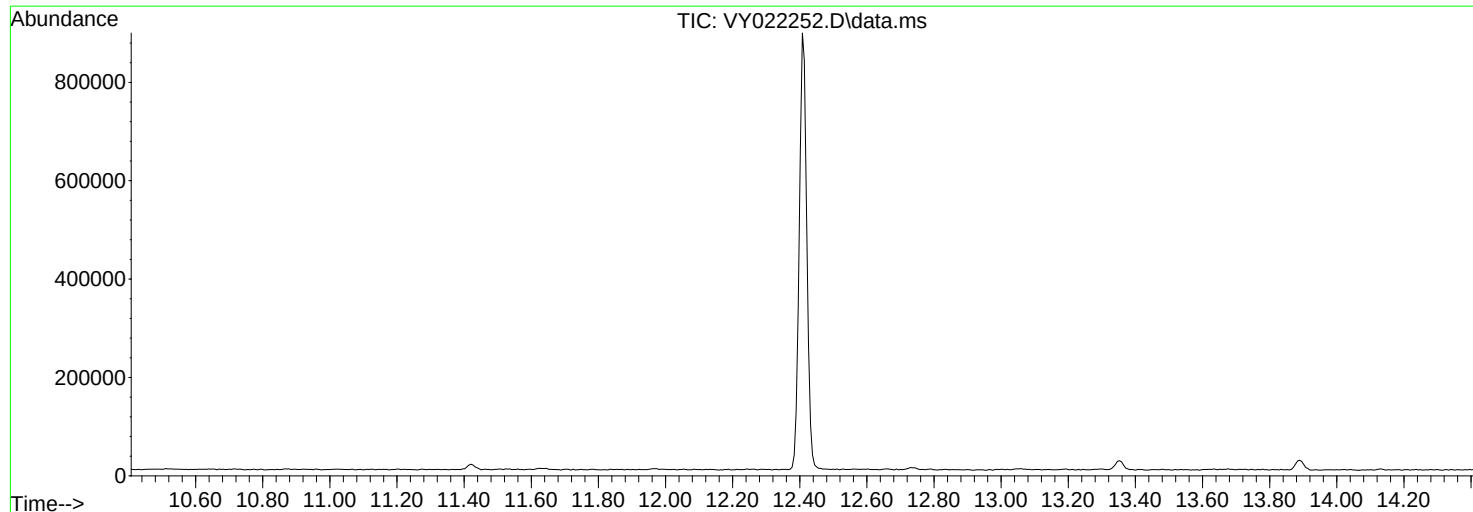
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022252.D
Acq On : 15 May 2025 07:52
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\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

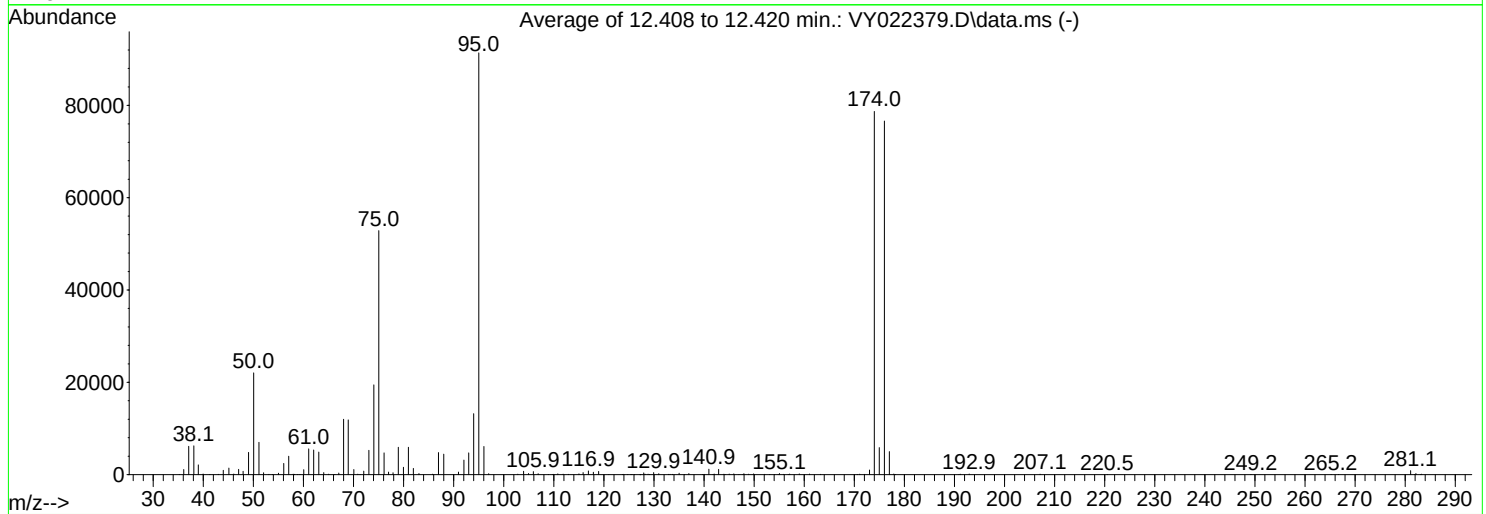
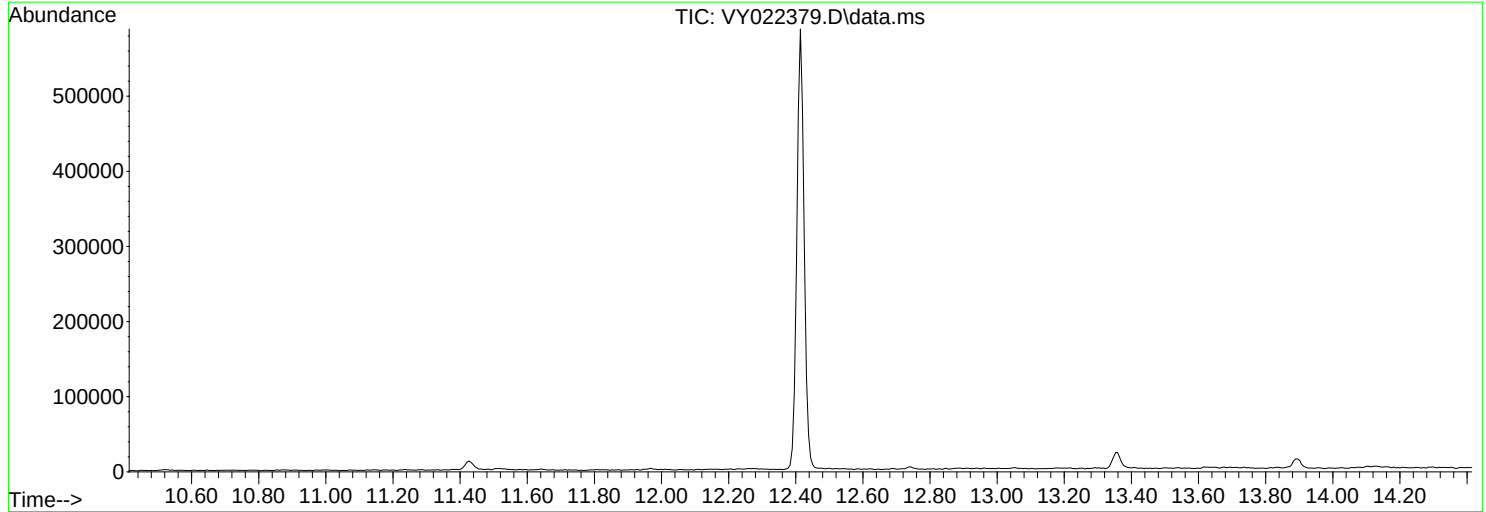
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022379.D
Acq On : 22 May 2025 08:05
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\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1743

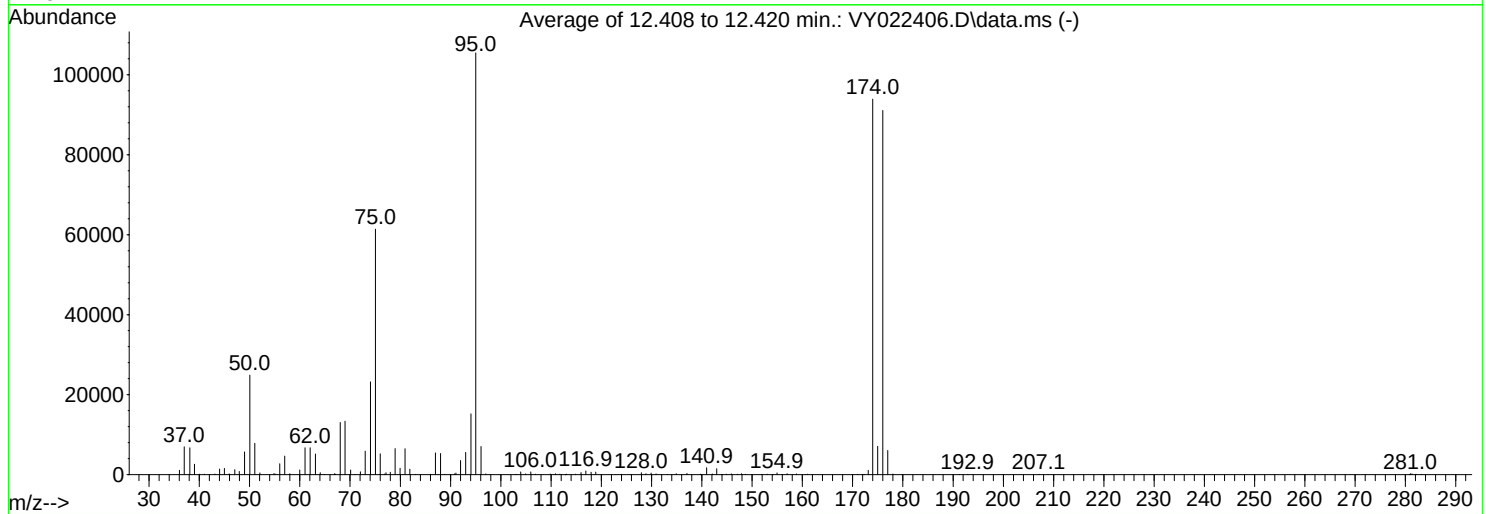
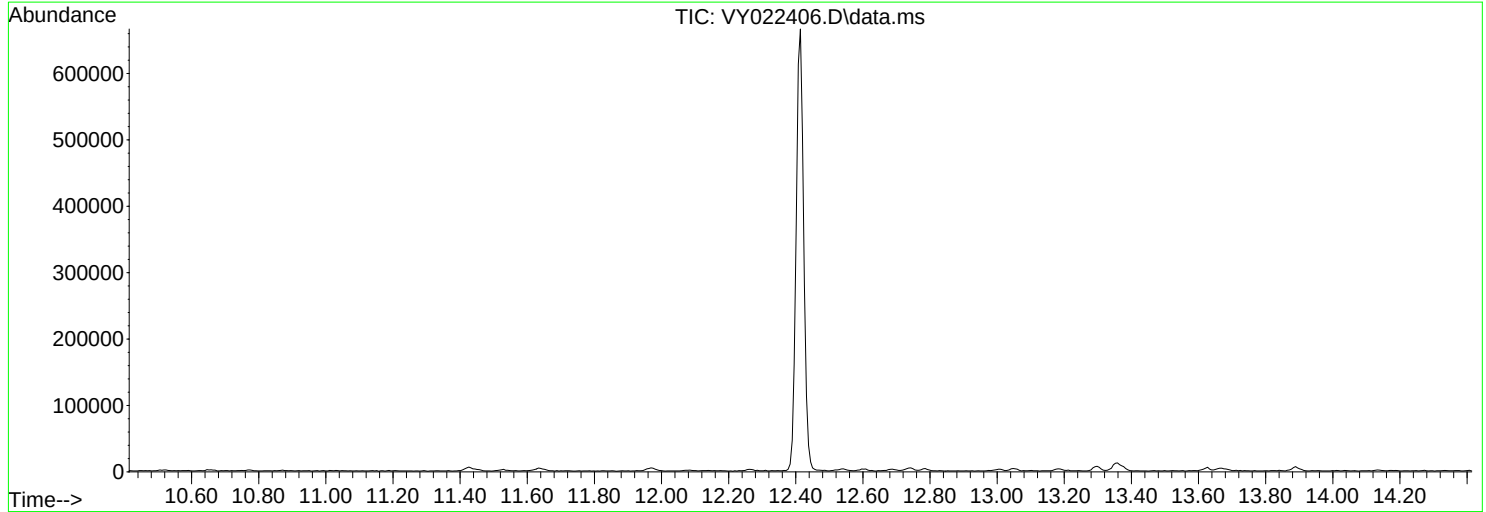
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	22056	PASS
75	95	30	60	57.8	52859	PASS
95	95	100	100	100.0	91380	PASS
96	95	5	9	6.7	6119	PASS
173	174	0.00	2	1.3	1000	PASS
174	95	50	100	86.1	78696	PASS
175	174	5	9	7.5	5864	PASS
176	174	95	101	97.4	76611	PASS
177	176	5	9	6.5	4987	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022406.D
Acq On : 23 May 2025 11:40
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\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	24907	PASS
75	95	30	60	58.2	61381	PASS
95	95	100	100	100.0	105501	PASS
96	95	5	9	6.7	7047	PASS
173	174	0.00	2	1.2	1085	PASS
174	95	50	100	89.0	93931	PASS
175	174	5	9	7.6	7094	PASS
176	174	95	101	97.0	91072	PASS
177	176	5	9	6.6	6044	PASS

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBL01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022381.D	1		05/22/25 09:07	VY052225

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBL01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022381.D	1		05/22/25 09:07	VY052225

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	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.719			
540-36-3	1,4-Difluorobenzene	466000	8.622			
3114-55-4	Chlorobenzene-d5	376000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.353			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBL01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022381.D	1		05/22/25 09:07	VY052225

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\VY052225\
 Data File : VY022381.D
 Acq On : 22 May 2025 09:07
 Operator : SY/MD
 Sample : VY0522SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBL01

Quant Time: May 23 03:31:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	263712	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	465826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	137350	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140906	48.890	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.780%
35) Dibromofluoromethane	7.646	113	138461	49.800	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.115	98	554254	48.674	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.408	95	142658	39.525	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.060%

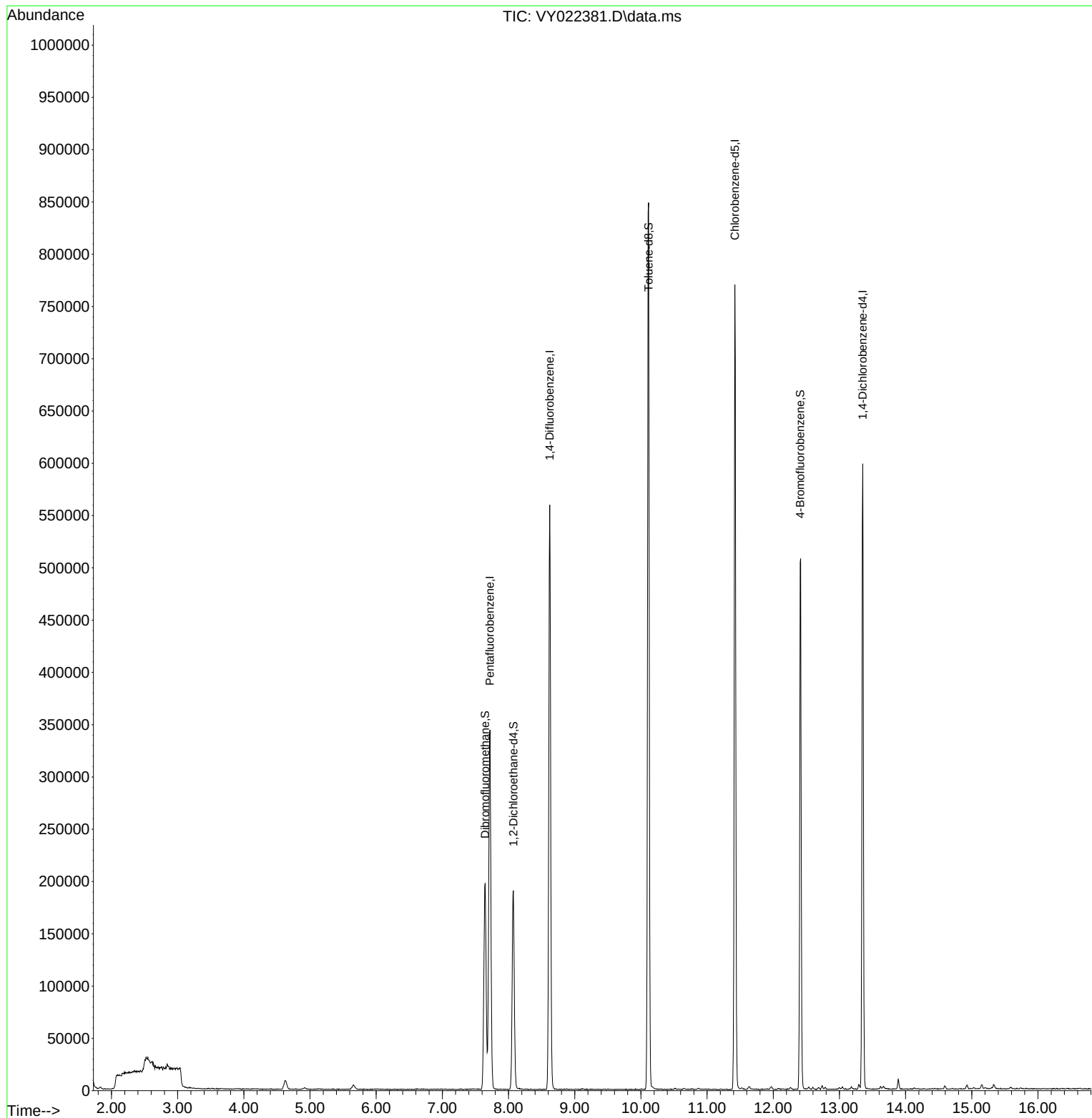
Target Compounds	Qvalue

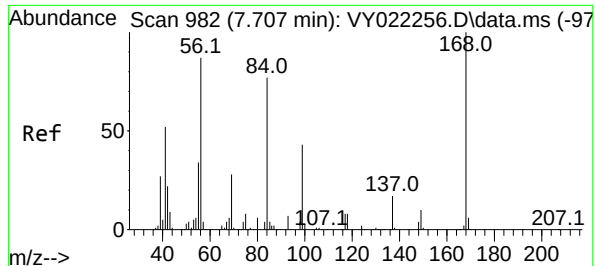
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Time: May 23 03:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

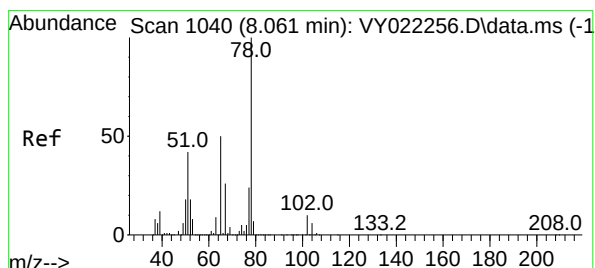
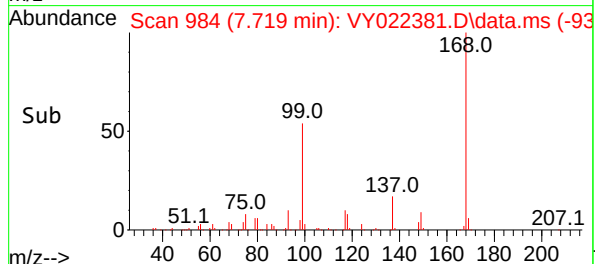
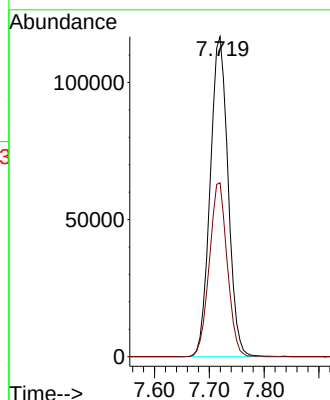
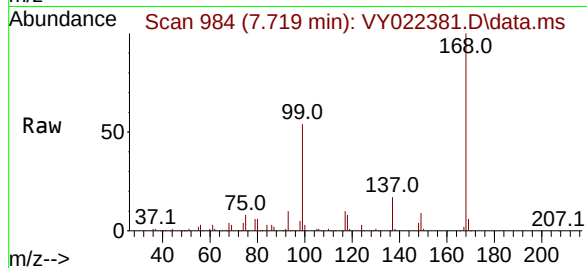




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

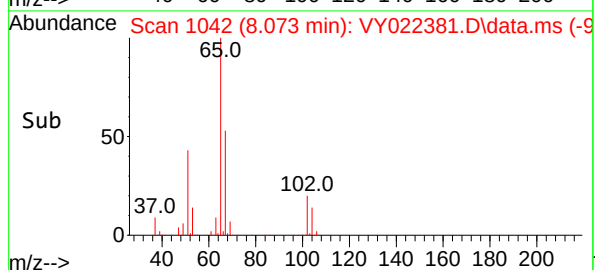
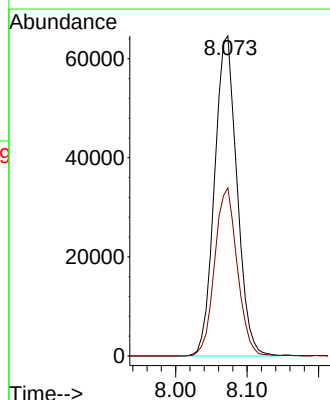
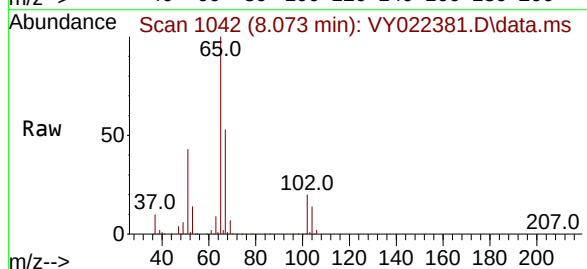
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

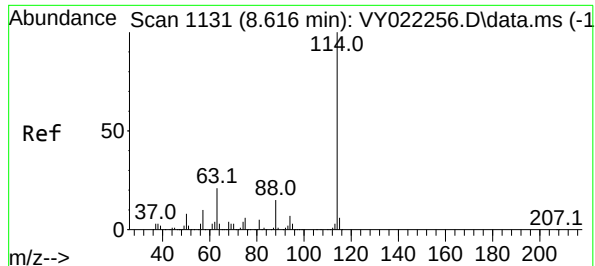
Tgt Ion:168 Resp: 263712
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.890 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion: 65 Resp: 140906
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBL01

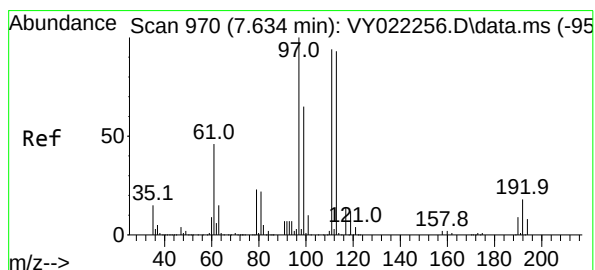
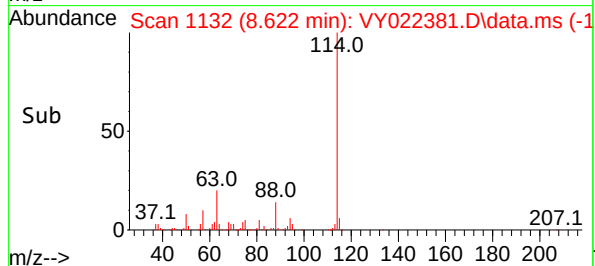
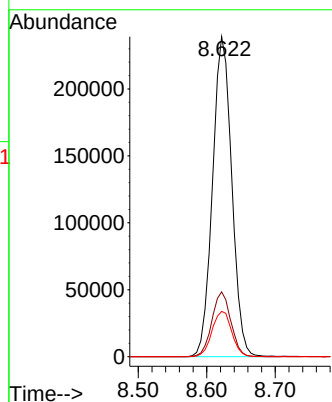
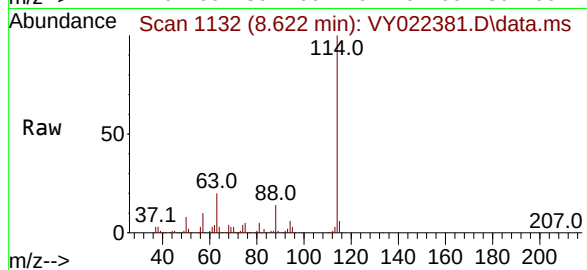
Tgt Ion:114 Resp: 465826

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.800 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

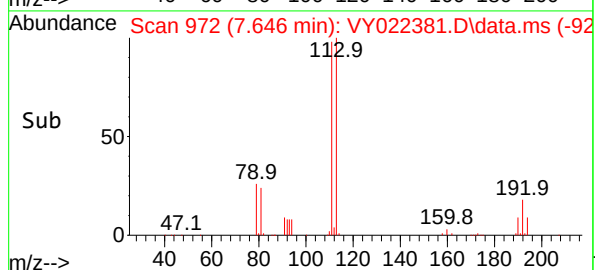
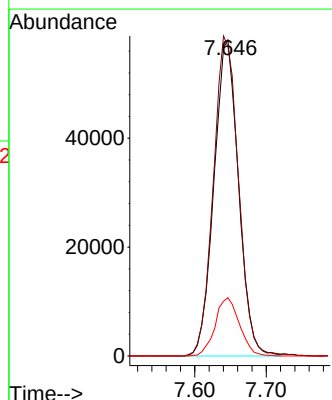
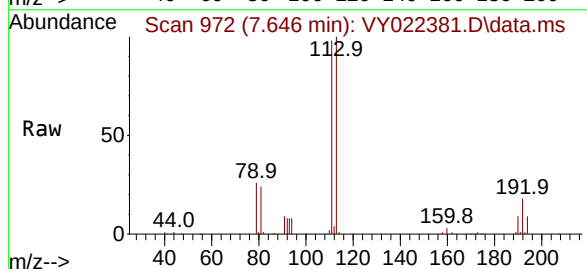
Tgt Ion:113 Resp: 138461

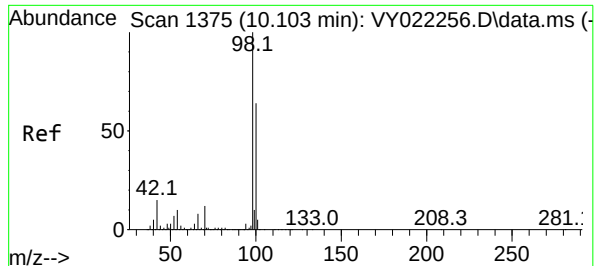
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.2 15.2 22.8





#50

Toluene-d8

Concen: 48.674 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

Instrument :

MSVOA_Y

ClientSampleId :

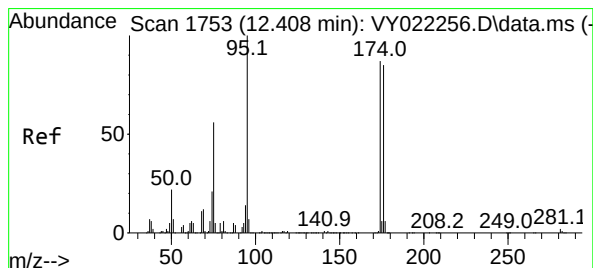
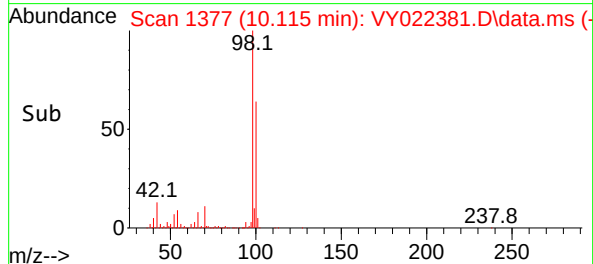
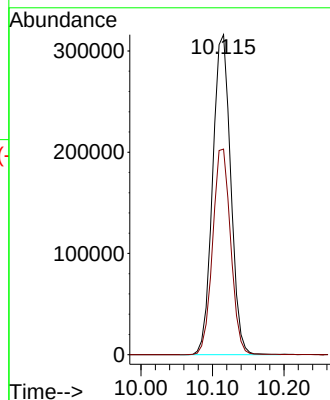
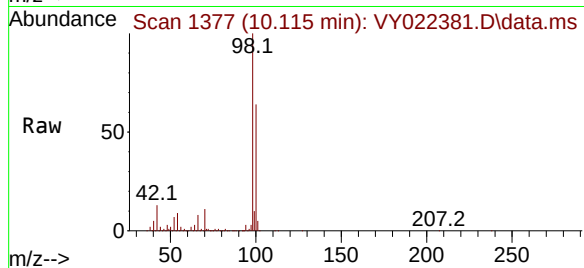
VY0522SBL01

Tgt Ion: 98 Resp: 554254

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 39.525 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

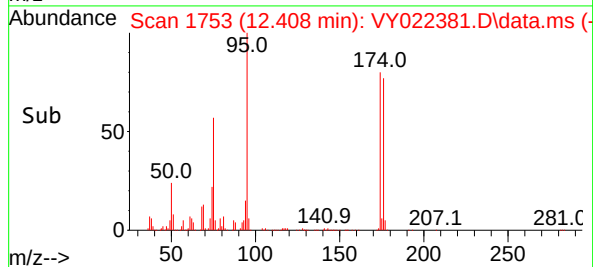
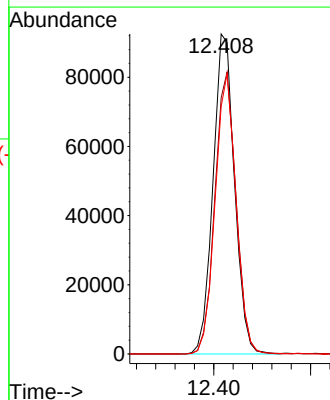
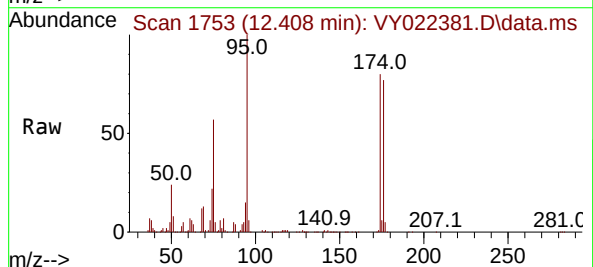
Tgt Ion: 95 Resp: 142658

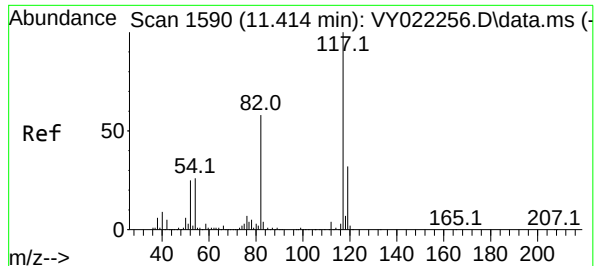
Ion Ratio Lower Upper

95 100

174 86.8 0.0 166.8

176 85.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBL01

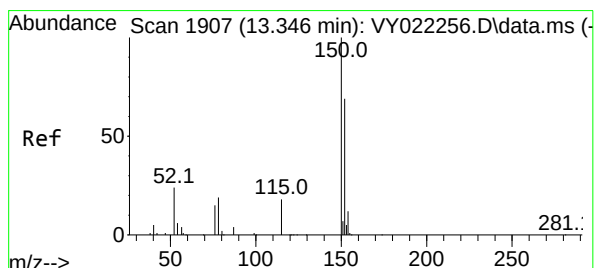
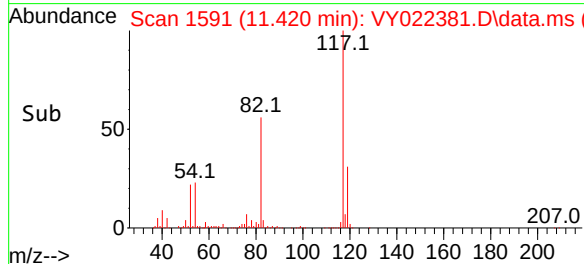
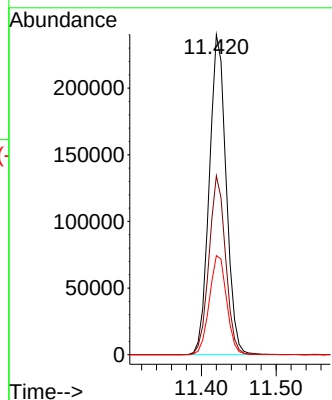
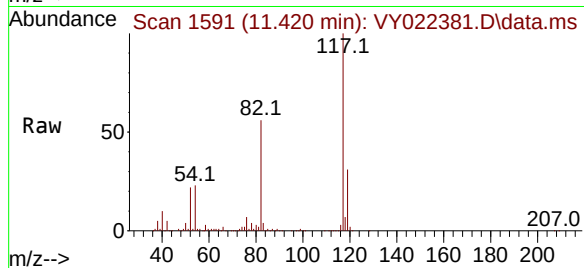
Tgt Ion:117 Resp: 376365

Ion Ratio Lower Upper

117 100

82 55.9 46.6 70.0

119 31.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022381.D

Acq: 22 May 2025 09:07

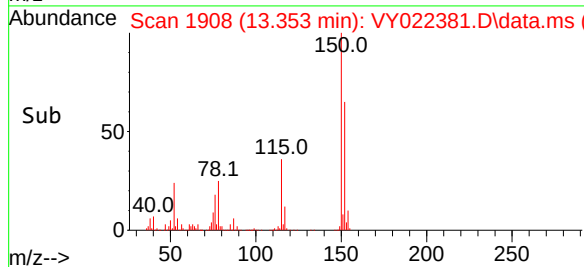
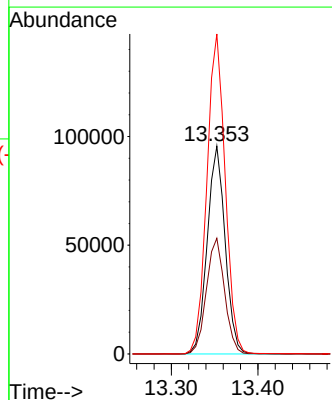
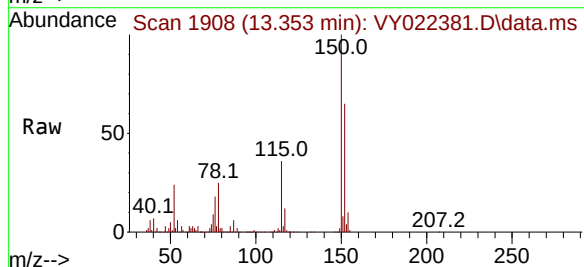
Tgt Ion:152 Resp: 137350

Ion Ratio Lower Upper

152 100

115 56.5 29.4 88.2

150 157.1 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022381.D
 Acq On : 22 May 2025 09:07
 Operator : SY/MD
 Sample : VY0522SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBL01

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022381.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	46	59	60	rBV5	13183	26197	1.74%	0.361%
2	4.622	466	476	486	rBV2	8616	26540	1.77%	0.366%
3	7.646	962	972	977	rBV	197533	474258	31.57%	6.539%
4	7.719	977	984	994	rVB	343189	786755	52.38%	10.848%
5	8.073	1031	1042	1053	rBV	190297	421547	28.07%	5.812%
6	8.622	1124	1132	1145	rVB	558969	1092880	72.76%	15.069%
7	10.115	1369	1377	1385	rBV	848017	1502036	100.00%	20.711%
8	11.420	1583	1591	1604	rBV	769811	1222504	81.39%	16.856%
9	12.414	1747	1754	1763	rBV	507460	807002	53.73%	11.127%
10	13.353	1902	1908	1916	rVB	597669	892776	59.44%	12.310%

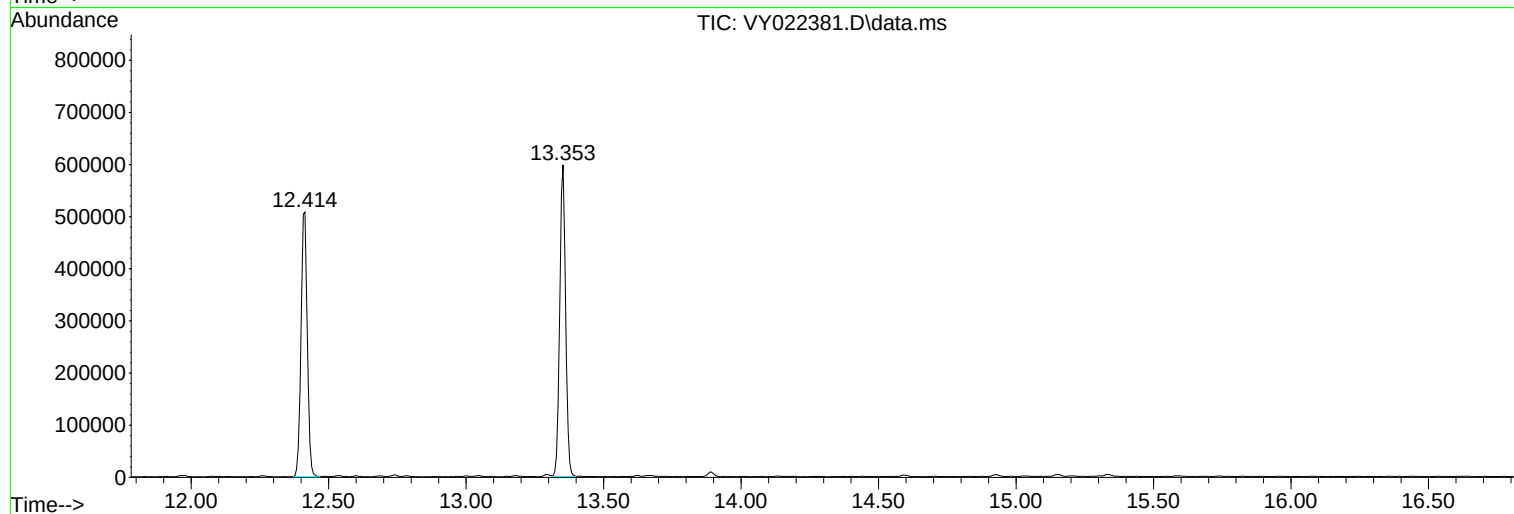
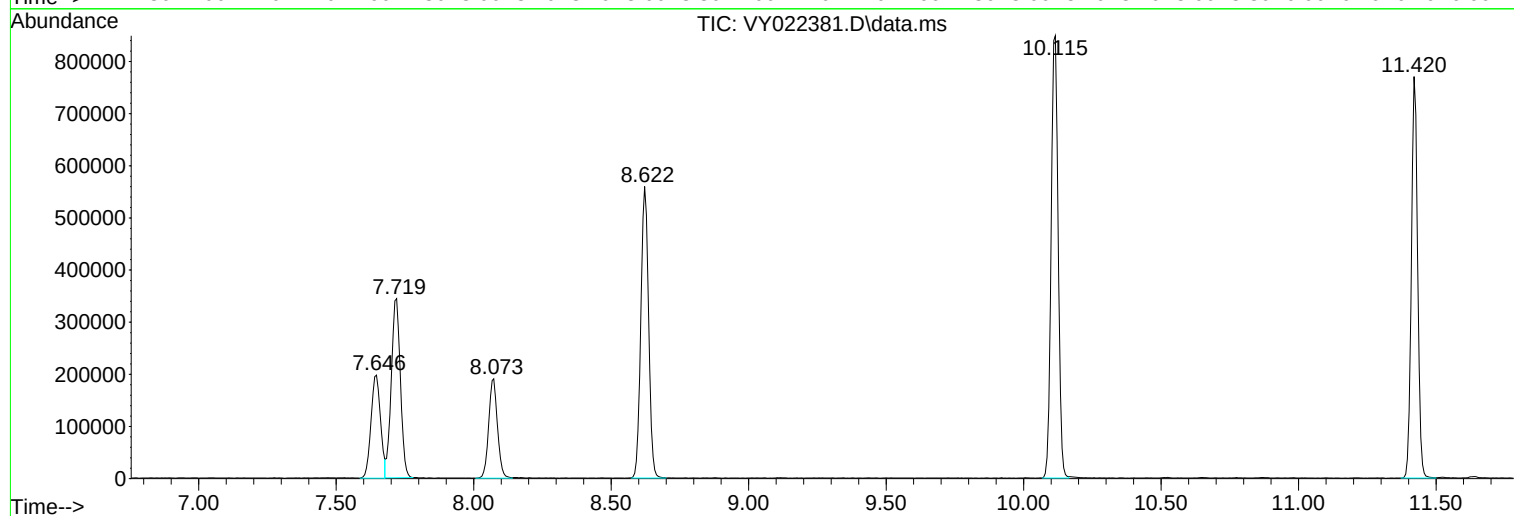
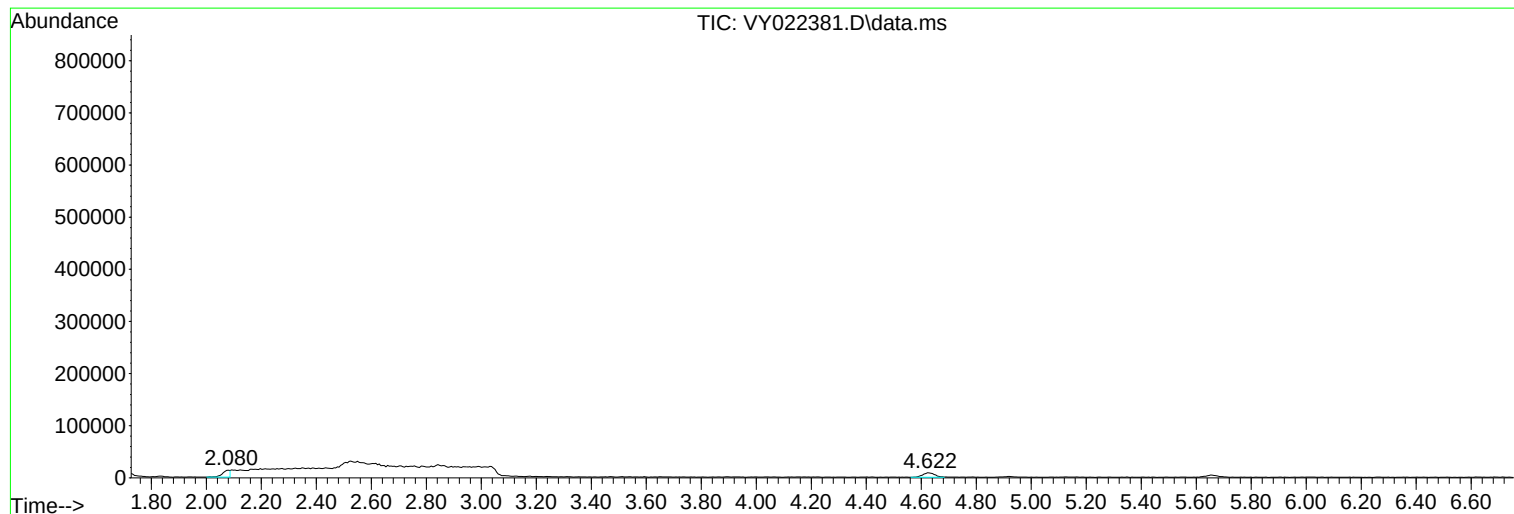
Sum of corrected areas: 7252495

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0523SBL01	SDG No.:	Q2100
Lab Sample ID:	VY0523SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022408.D	1		05/23/25 15:26	VY052325

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:	CDM Smith		Date Collected:	
Project:	South River WM Replacement		Date Received:	
Client Sample ID:	VY0523SBL01		SDG No.:	Q2100
Lab Sample ID:	VY0523SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022408.D	1		05/23/25 15:26	VY052325

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	56.1		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		70 - 134	113%	SPK: 50
2037-26-5	Toluene-d8	54.7		74 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		38 - 136	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	591000	8.621			
3114-55-4	Chlorobenzene-d5	465000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.352			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0523SBL01	SDG No.:	Q2100
Lab Sample ID:	VY0523SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022408.D	1		05/23/25 15:26	VY052325

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\VY052325\
 Data File : VY022408.D
 Acq On : 23 May 2025 15:26
 Operator : SY/MD
 Sample : VY0523SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBL01

Quant Time: May 23 23:20:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	328707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	590839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	465211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	167300	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	201654	56.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.260%
35) Dibromofluoromethane	7.640	113	200071	56.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.460%
50) Toluene-d8	10.109	98	790680	54.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.407	95	201473	44.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.020%

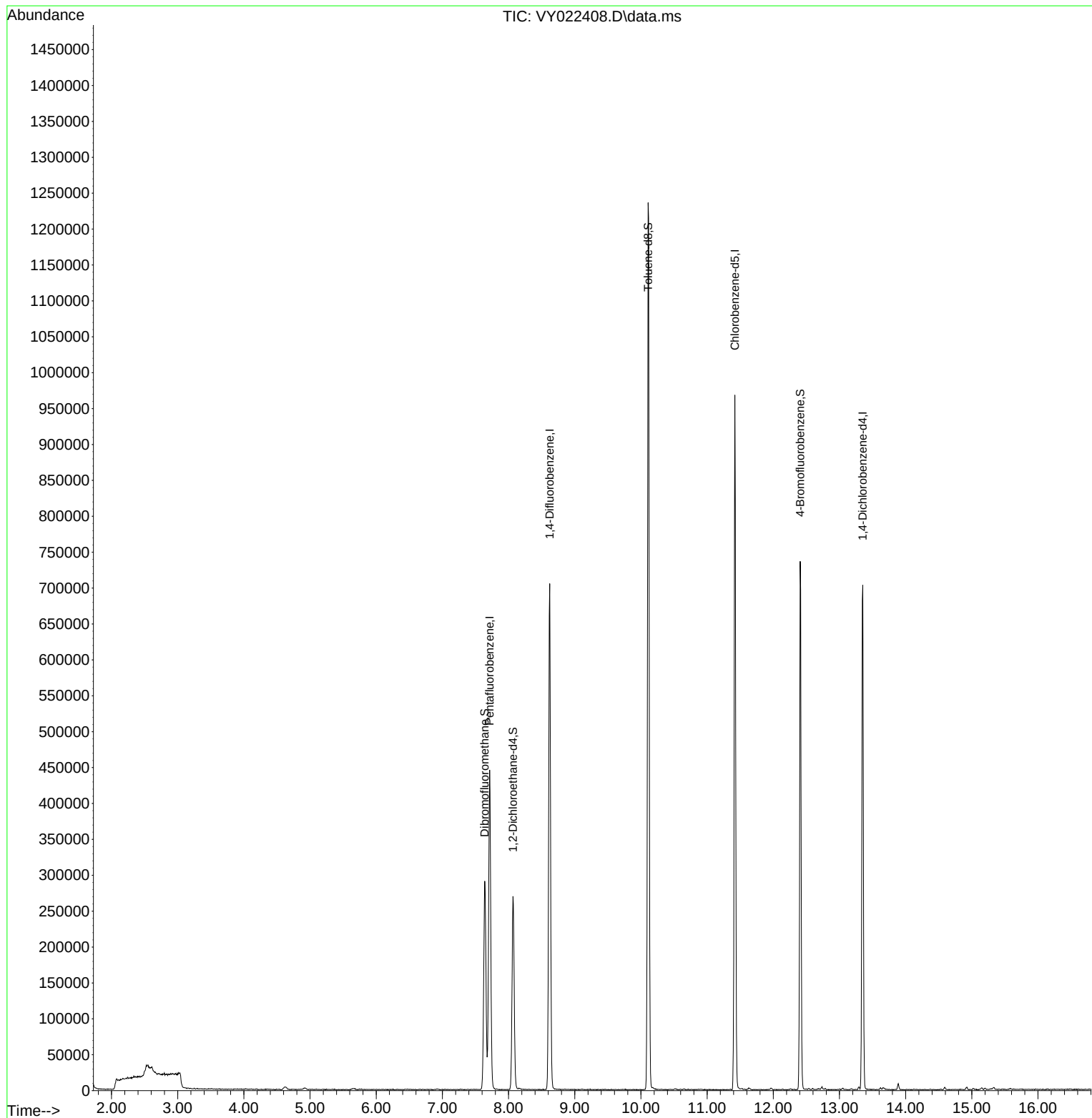
Target Compounds	Qvalue

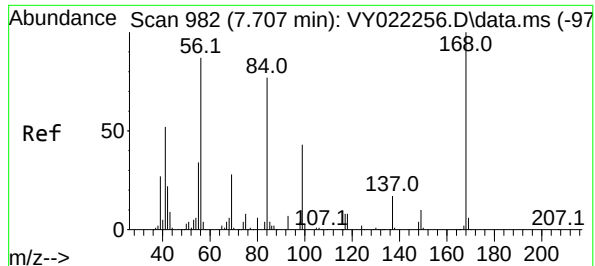
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022408.D
Acq On : 23 May 2025 15:26
Operator : SY/MD
Sample : VY0523SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

Quant Time: May 23 23:20:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

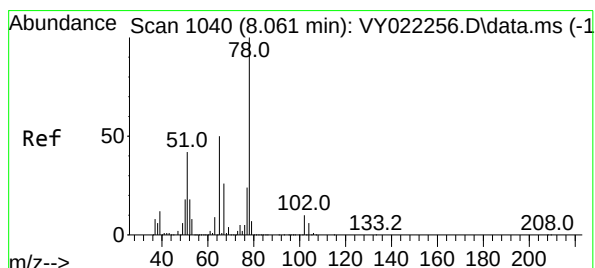
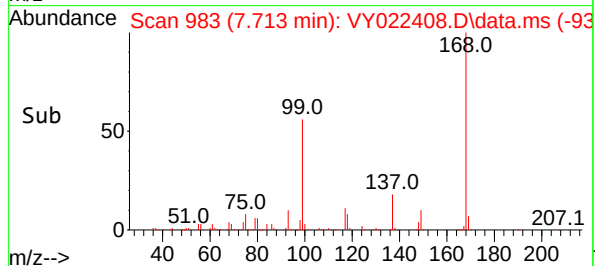
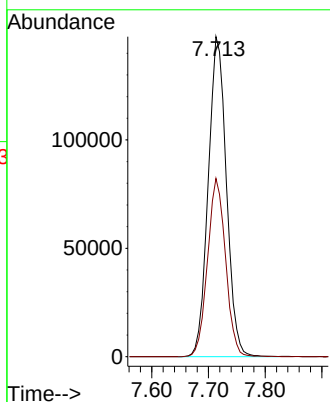
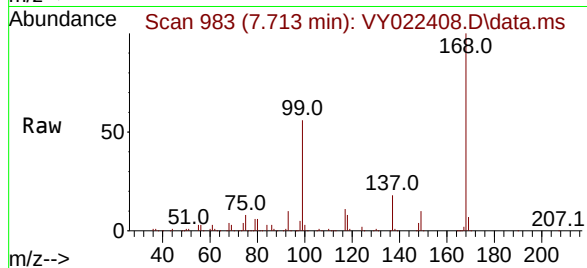




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

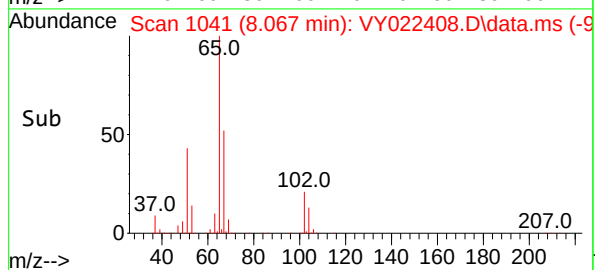
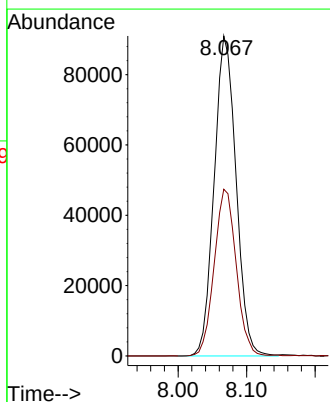
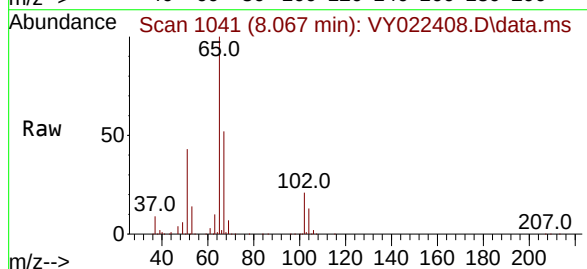
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

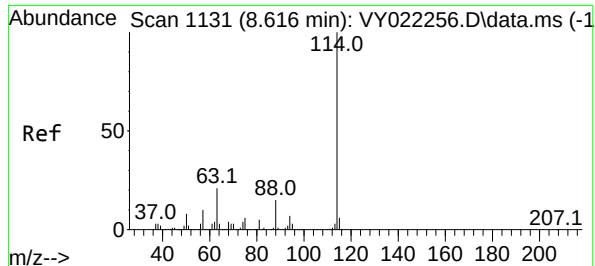
Tgt Ion:168 Resp: 328707
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 56.133 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

Tgt Ion: 65 Resp: 201654
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBL01

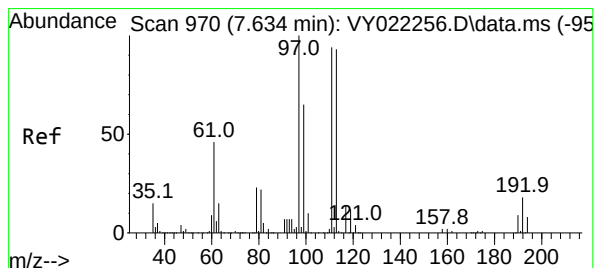
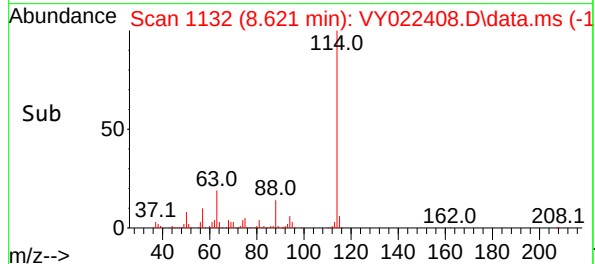
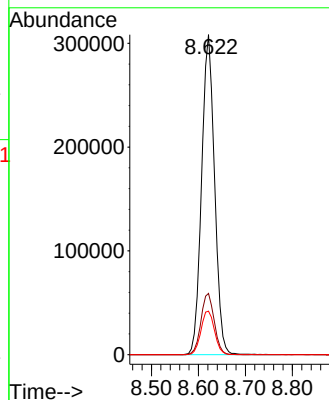
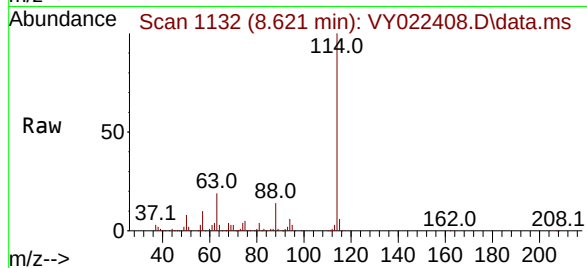
Tgt Ion:114 Resp: 590839

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 13.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 56.734 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

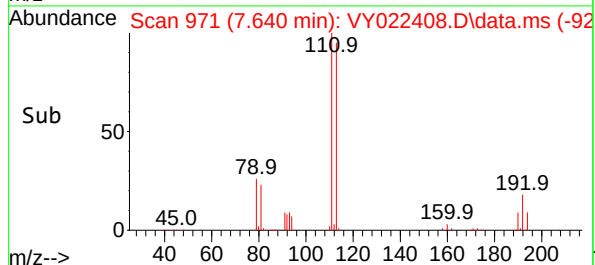
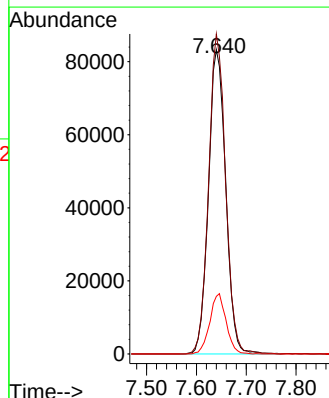
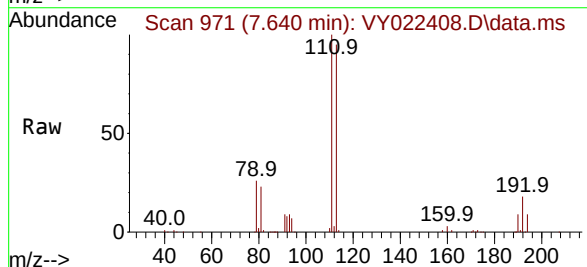
Tgt Ion:113 Resp: 200071

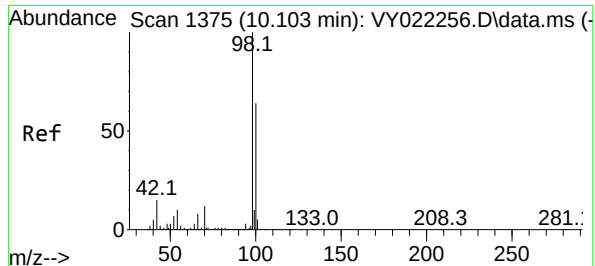
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.7 15.2 22.8





#50

Toluene-d8

Concen: 54.745 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

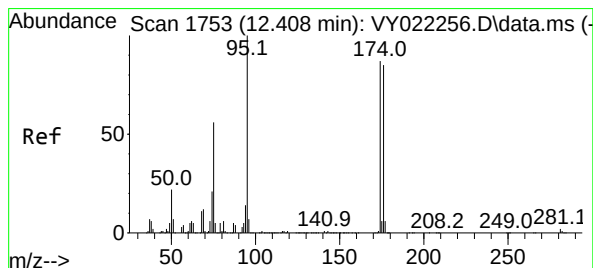
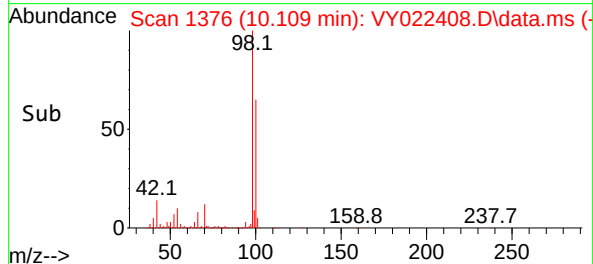
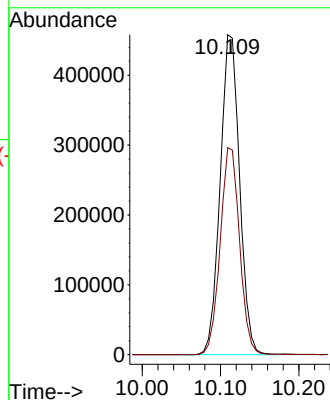
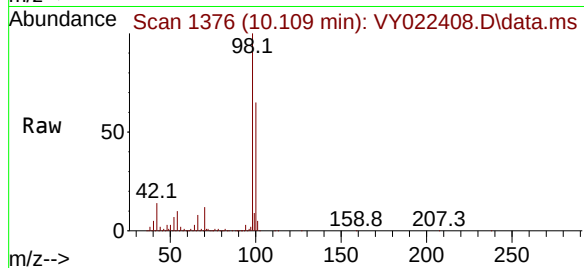
VY0523SBL01

Tgt Ion: 98 Resp: 790680

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 44.010 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

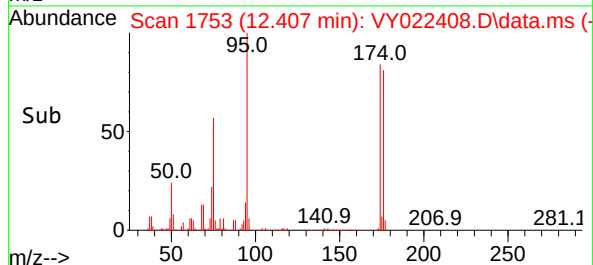
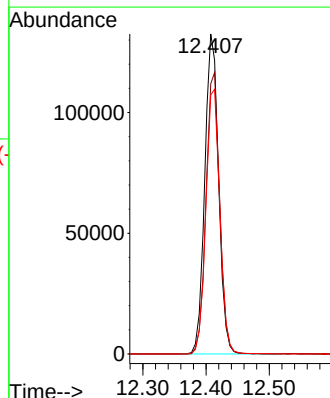
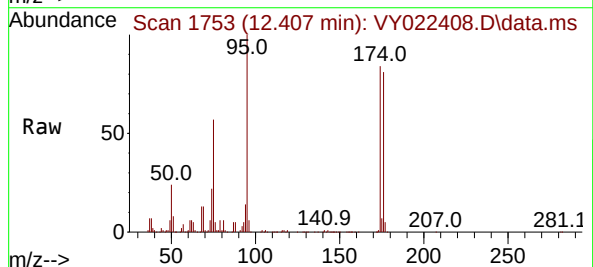
Tgt Ion: 95 Resp: 201473

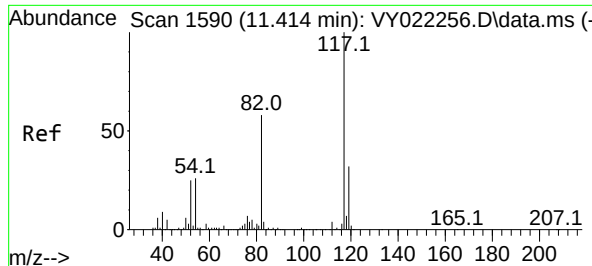
Ion Ratio Lower Upper

95 100

174 87.0 0.0 166.8

176 84.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBL01

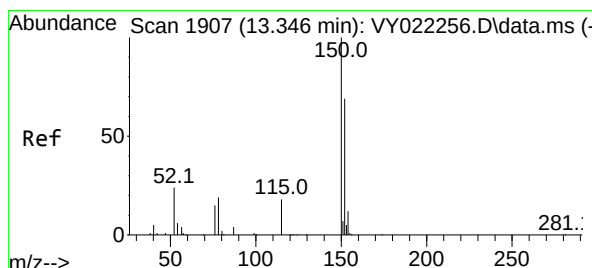
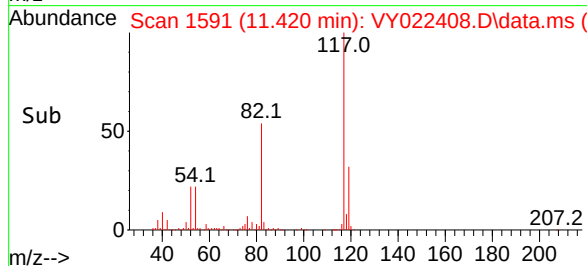
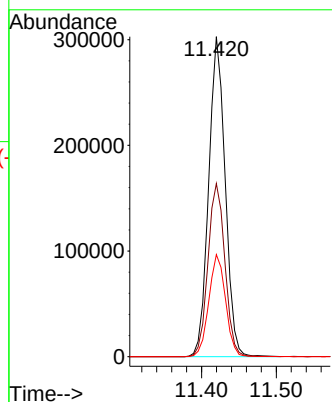
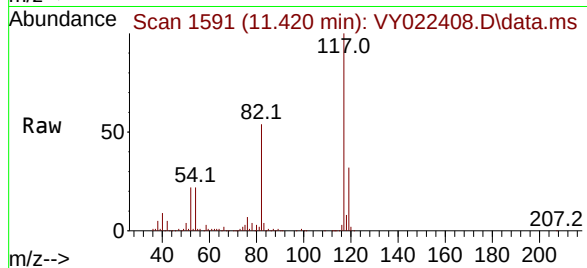
Tgt Ion:117 Resp: 465211

Ion Ratio Lower Upper

117 100

82 54.1 46.6 70.0

119 31.9 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

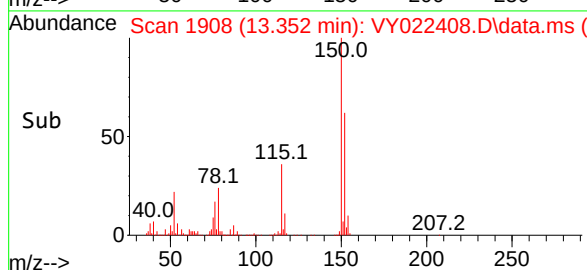
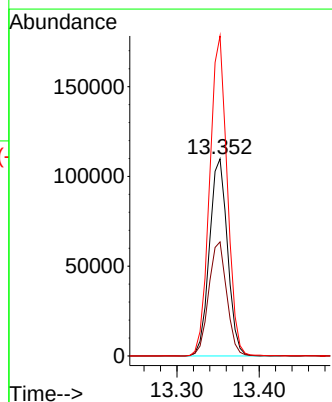
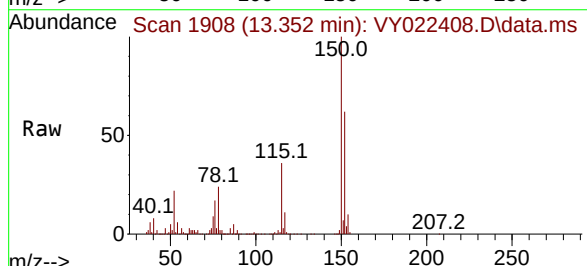
Tgt Ion:152 Resp: 167300

Ion Ratio Lower Upper

152 100

115 58.0 29.4 88.2

150 158.2 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022408.D
Acq On : 23 May 2025 15:26
Operator : SY/MD
Sample : VY0523SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV2	14359	33111	1.55%	0.346%
2	2.525	125	132	133	rBV5	13897	23431	1.10%	0.245%
3	7.640	960	971	977	rBV2	290275	689257	32.25%	7.196%
4	7.713	977	983	998	rVB	445005	992781	46.45%	10.365%
5	8.067	1033	1041	1053	rBV	268758	596109	27.89%	6.224%
6	8.622	1122	1132	1144	rBV	704664	1377475	64.45%	14.382%
7	10.109	1368	1376	1385	rBV	1235295	2137374	100.00%	22.315%
8	11.420	1583	1591	1604	rBV	967755	1515565	70.91%	15.823%
9	12.407	1746	1753	1762	rBV	735653	1125815	52.67%	11.754%
10	13.352	1901	1908	1918	rVB	702177	1087181	50.87%	11.351%

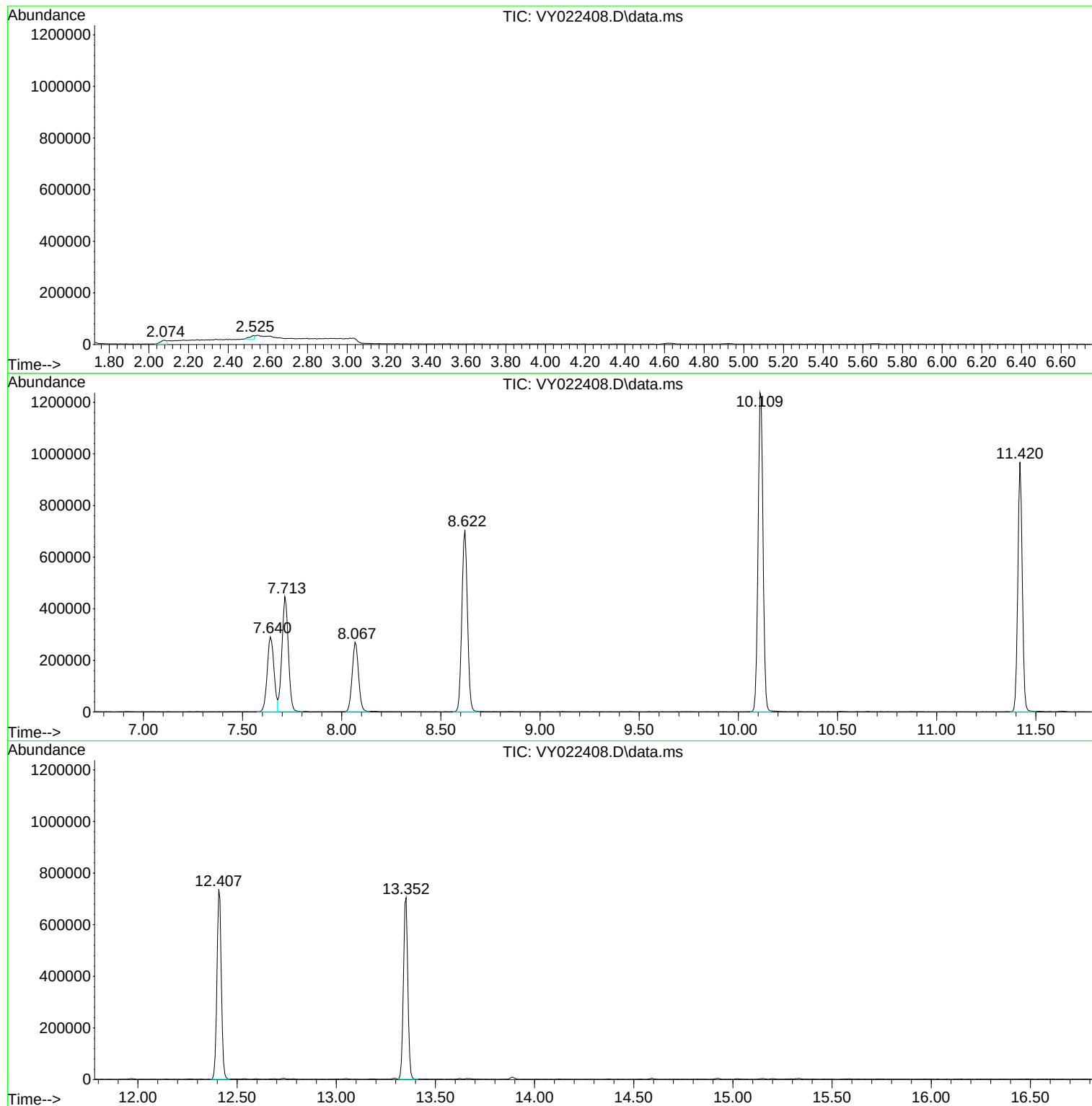
Sum of corrected areas: 9578099

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022408.D
Acq On : 23 May 2025 15:26
Operator : SY/MD
Sample : VY0523SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022408.D
Acq On : 23 May 2025 15:26
Operator : SY/MD
Sample : VY0523SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY052325\
Data File : VY022408.D
Acq On : 23 May 2025 15:26
Operator : SY/MD
Sample : VY0523SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
	ID : 0.25	Test:	VOC-TCLVOA-10
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022382.D	1		05/22/25 09:36	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	34.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	28.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	95.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.2		0.91	5.00	ug/Kg
71-43-2	Benzene	19.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	88.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022382.D	1		05/22/25 09:36	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	18.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.1		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	19.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.719			
540-36-3	1,4-Difluorobenzene	294000	8.622			
3114-55-4	Chlorobenzene-d5	251000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.353			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022382.D	1		05/22/25 09:36	VY052225

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\VY052225\
 Data File : VY022382.D
 Acq On : 22 May 2025 09:36
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	174604	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	293942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	118480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	92313	48.376	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.646	113	88232	50.291	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.580%		
50) Toluene-d8	10.115	98	361670	50.334	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.660%		
62) 4-Bromofluorobenzene	12.414	95	108691	47.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35700	19.595	ug/l	100
3) Chloromethane	2.074	50	89428	23.334	ug/l	96
4) Vinyl Chloride	2.208	62	106584	24.892	ug/l	98
5) Bromomethane	2.598	94	120242	34.496	ug/l	100
6) Chloroethane	2.739	64	75963	28.516	ug/l	99
7) Trichlorofluoromethane	3.056	101	101302	23.367	ug/l	96
8) Diethyl Ether	3.464	74	20744	19.939	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	39378	20.923	ug/l	99
10) Methyl Iodide	4.013	142	39404	18.090	ug/l	98
11) Tert butyl alcohol	4.891	59	13893	95.339	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	38242	20.476	ug/l	94
13) Acrolein	3.665	56	11668	54.771	ug/l	97
14) Allyl chloride	4.397	41	57800	17.650	ug/l	93
15) Acrylonitrile	5.067	53	41413	96.604	ug/l	99
16) Acetone	3.885	43	37784	105.597	ug/l	96
17) Carbon Disulfide	4.116	76	117567	19.304	ug/l	99
18) Methyl Acetate	4.403	43	18733	16.605	ug/l #	89
19) Methyl tert-butyl Ether	5.128	73	100940	19.601	ug/l	98
20) Methylene Chloride	4.629	84	43819	18.952	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	40647	19.717	ug/l	95
22) Diisopropyl ether	6.031	45	124864	18.055	ug/l	98
23) Vinyl Acetate	5.970	43	370765	88.742	ug/l	96
24) 1,1-Dichloroethane	5.927	63	75035	19.421	ug/l	99
25) 2-Butanone	6.909	43	57111	95.421	ug/l	95
26) 2,2-Dichloropropane	6.890	77	69084	20.103	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	47248	19.861	ug/l	97
28) Bromochloromethane	7.256	49	30609	18.573	ug/l	96
29) Tetrahydrofuran	7.280	42	35533	92.280	ug/l	94
30) Chloroform	7.433	83	74530	20.111	ug/l	99
31) Cyclohexane	7.713	56	72006	18.653	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	66206	19.472	ug/l	99
36) 1,1-Dichloropropene	7.847	75	56933	19.702	ug/l	99
37) Ethyl Acetate	6.994	43	26743	19.234	ug/l	97
38) Carbon Tetrachloride	7.829	117	59138	19.771	ug/l	97
39) Methylcyclohexane	9.116	83	74349	19.151	ug/l	97
40) Benzene	8.091	78	167114	19.508	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022382.D
 Acq On : 22 May 2025 09:36
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	14142	15.333	ug/l #	82
42) 1,2-Dichloroethane	8.171	62	44204	19.081	ug/l	98
43) Isopropyl Acetate	8.207	43	52844	17.427	ug/l	98
44) Trichloroethene	8.872	130	42833	20.109	ug/l	96
45) 1,2-Dichloropropane	9.152	63	39408	19.081	ug/l	97
46) Dibromomethane	9.237	93	22173	19.905	ug/l	97
47) Bromodichloromethane	9.433	83	55825	19.317	ug/l	98
48) Methyl methacrylate	9.231	41	24395	17.203	ug/l	94
49) 1,4-Dioxane	9.250	88	5019	398.826	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	132300	88.920	ug/l	96
52) Toluene	10.176	92	105474	19.443	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	52289	18.540	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	60767	18.806	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	27910	19.566	ug/l	99
56) Ethyl methacrylate	10.445	69	41592	18.718	ug/l	95
57) 1,3-Dichloropropane	10.725	76	50921	20.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	80535	80.750	ug/l	97
59) 2-Hexanone	10.768	43	89261	89.478	ug/l	95
60) Dibromochloromethane	10.920	129	36931	19.947	ug/l	100
61) 1,2-Dibromoethane	11.024	107	26053	19.596	ug/l	99
64) Tetrachloroethene	10.652	164	46204	19.928	ug/l	96
65) Chlorobenzene	11.450	112	111687	19.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	36492	18.757	ug/l	98
67) Ethyl Benzene	11.524	91	198411	18.720	ug/l	99
68) m/p-Xylenes	11.633	106	151710	37.987	ug/l	97
69) o-Xylene	11.963	106	71140	18.827	ug/l	100
70) Styrene	11.975	104	121069	18.995	ug/l	97
71) Bromoform	12.139	173	20171	19.208	ug/l #	99
73) Isopropylbenzene	12.261	105	189456	19.302	ug/l	100
74) N-amyl acetate	12.078	43	47777	17.019	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	29957	19.845	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	22658m	18.877	ug/l	
77) Bromobenzene	12.536	156	39583	18.881	ug/l	98
78) n-propylbenzene	12.603	91	229385	19.375	ug/l	100
79) 2-Chlorotoluene	12.682	91	120979	18.594	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	149426	18.859	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	10636	17.950	ug/l	97
82) 4-Chlorotoluene	12.780	91	123043	18.386	ug/l	99
83) tert-Butylbenzene	12.999	119	134904	19.156	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	147645	18.771	ug/l	99
85) sec-Butylbenzene	13.182	105	202478	19.368	ug/l	100
86) p-Isopropyltoluene	13.298	119	166855	18.977	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	80701	18.857	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	78194	18.995	ug/l	99
89) n-Butylbenzene	13.621	91	160206	19.260	ug/l	100
90) Hexachloroethane	13.883	117	33947	19.127	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	68652	19.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4780	19.637	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	40453	19.482	ug/l	99
94) Hexachlorobutadiene	15.029	225	21731	18.766	ug/l	98
95) Naphthalene	15.151	128	76320	19.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	33805	19.191	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

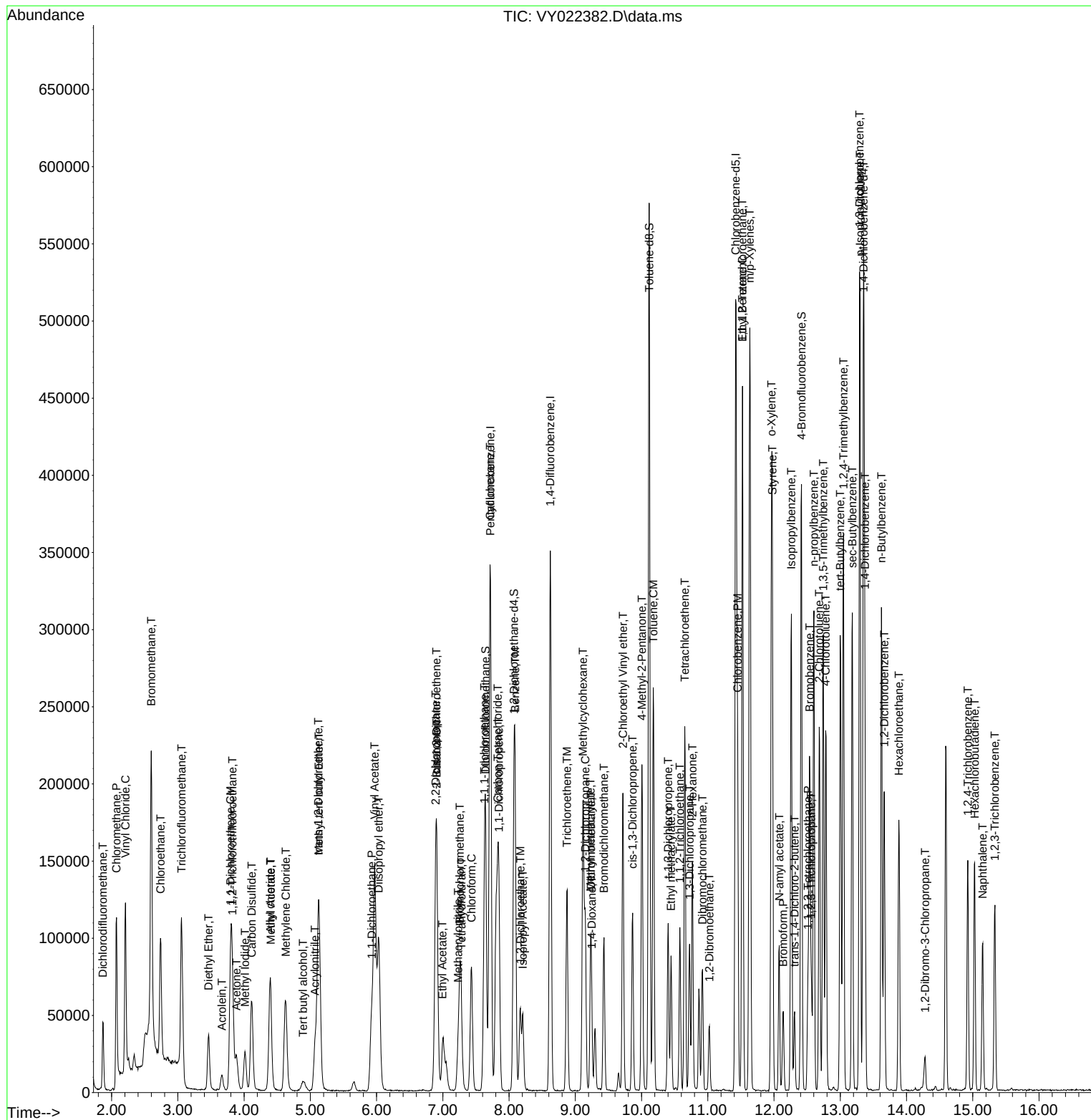
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Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

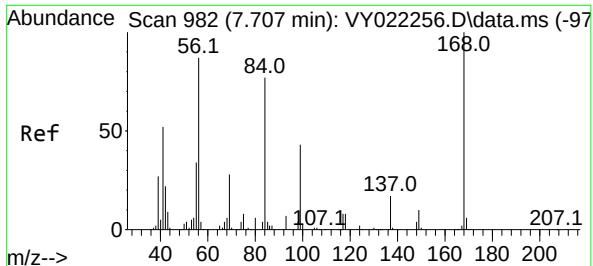
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





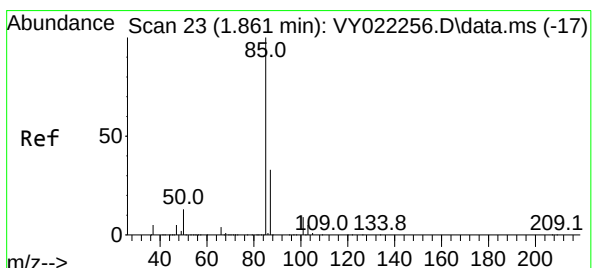
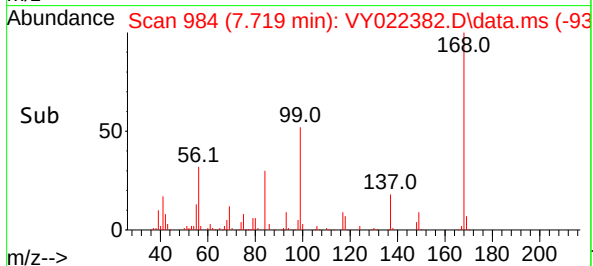
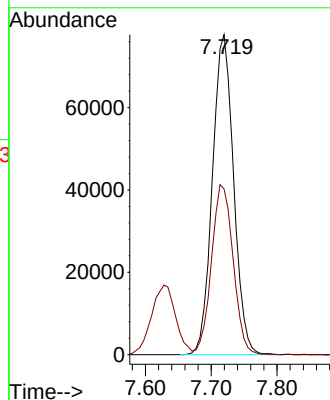
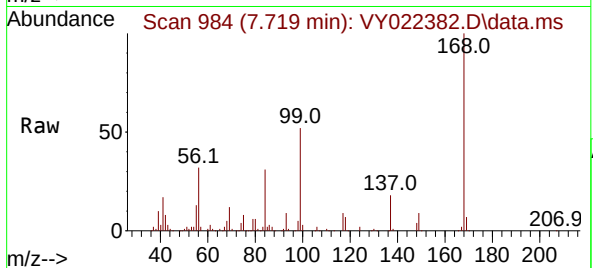
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Tgt Ion:168 Resp: 174604
Ion Ratio Lower Upper
168 100
99 51.8 44.2 66.4

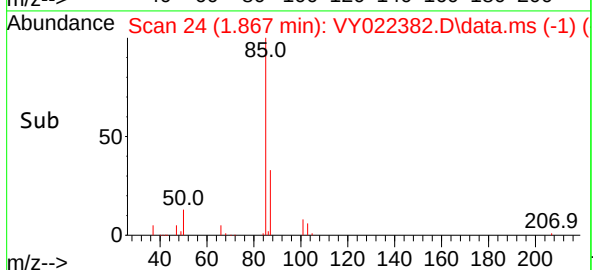
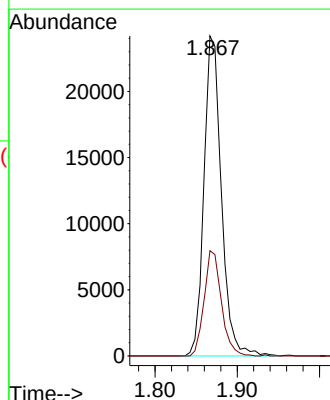
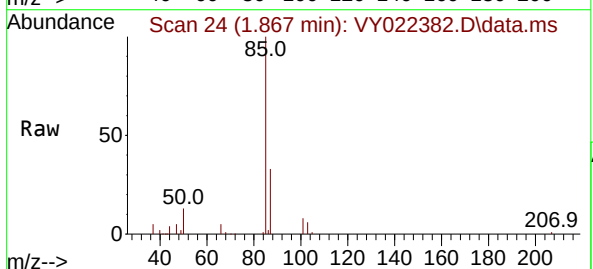
Manual Integrations
APPROVED

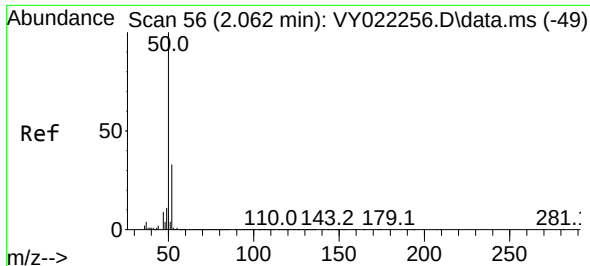
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 19.595 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 85 Resp: 35700
Ion Ratio Lower Upper
85 100
87 32.9 16.5 49.5





#3

Chloromethane

Concen: 23.334 ug/l

RT: 2.074 min Scan# 50

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 50 Resp: 89428

Ion Ratio Lower Upper

50 100

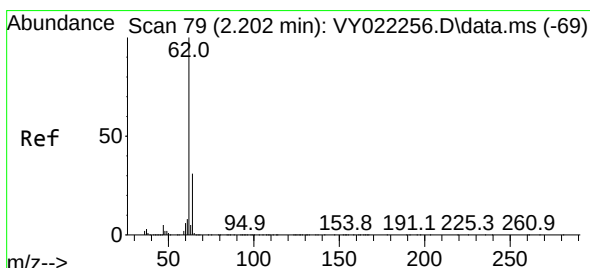
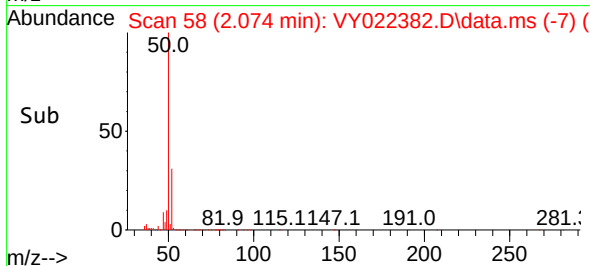
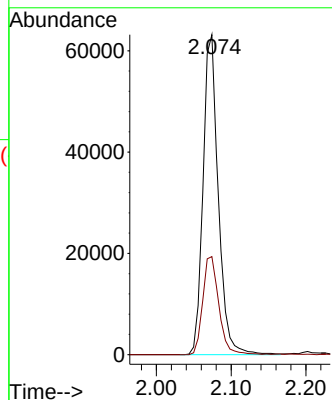
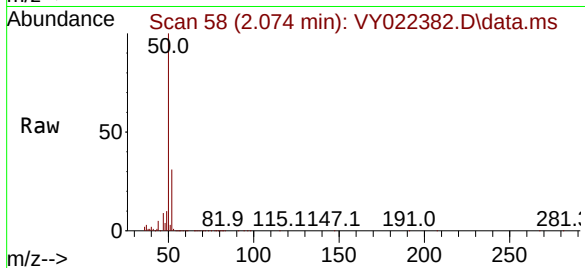
52 30.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#4

Vinyl Chloride

Concen: 24.892 ug/l

RT: 2.208 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022382.D

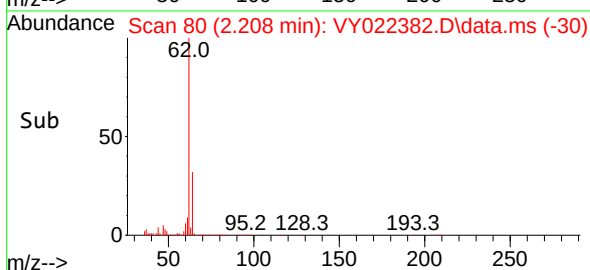
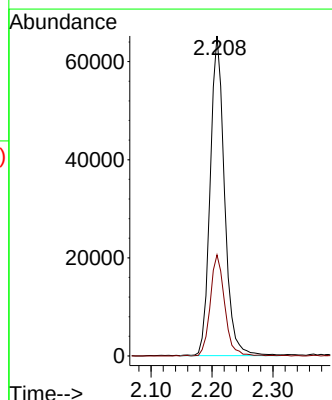
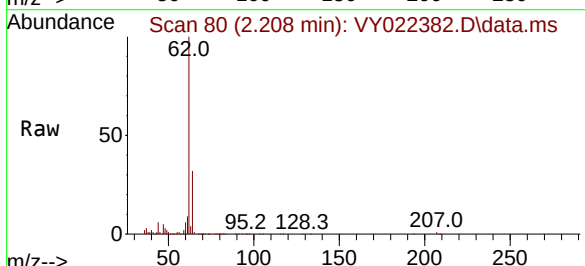
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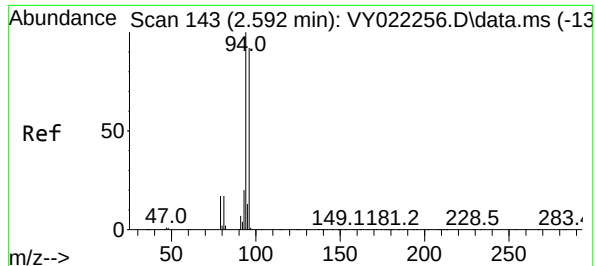
Tgt Ion: 62 Resp: 106584

Ion Ratio Lower Upper

62 100

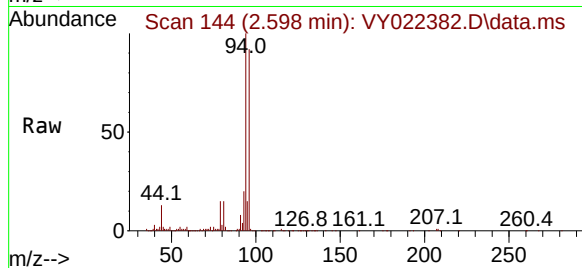
64 31.6 24.5 36.7





#5
Bromomethane
Concen: 34.496 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

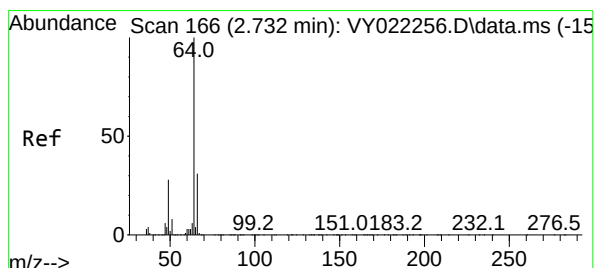
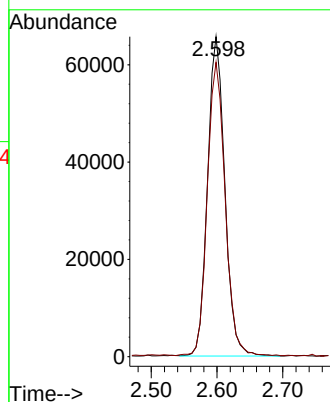
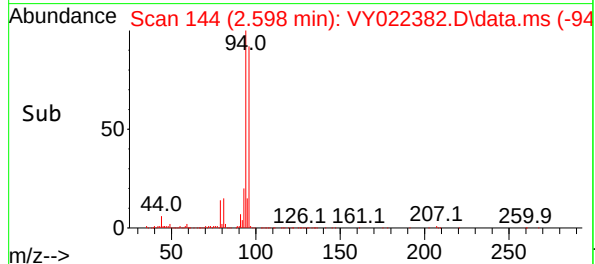
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion: 94 Resp: 12024
Ion Ratio Lower Upper
94 100
96 91.8 73.4 110.0

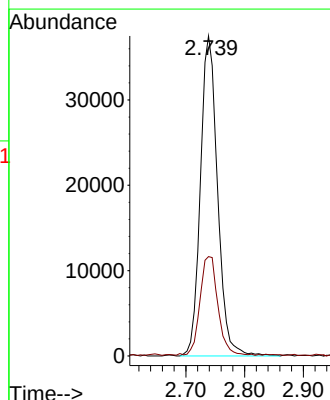
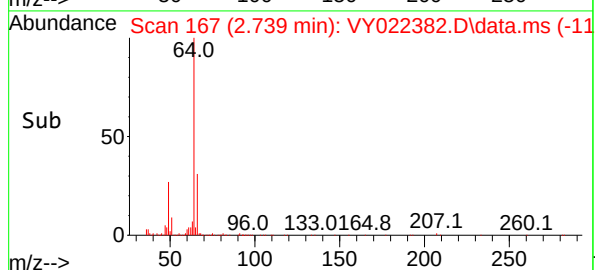
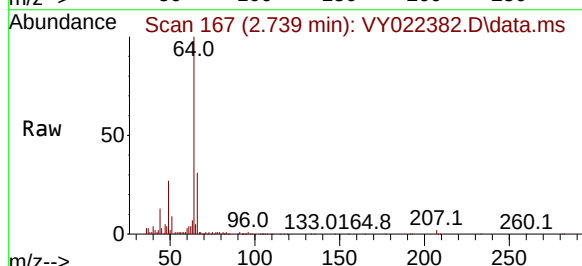
Manual Integrations
APPROVED

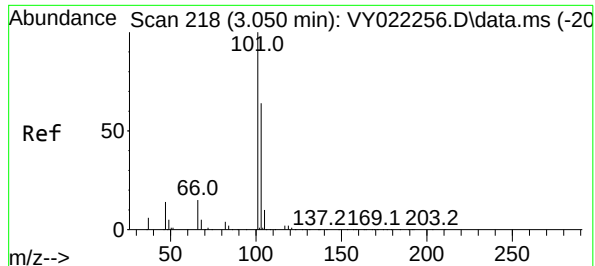
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#6
Chloroethane
Concen: 28.516 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

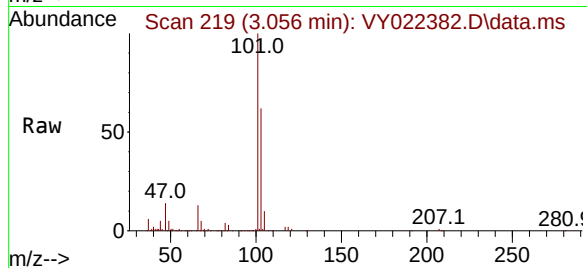
Tgt Ion: 64 Resp: 75963
Ion Ratio Lower Upper
64 100
66 30.7 24.8 37.2





#7
Trichlorofluoromethane
Concen: 23.367 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

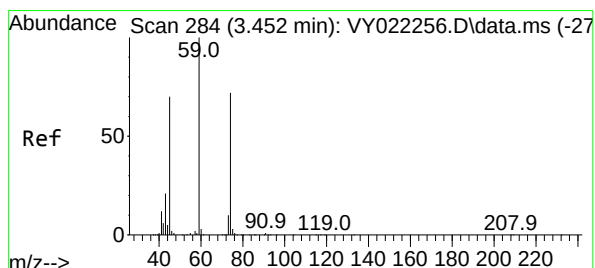
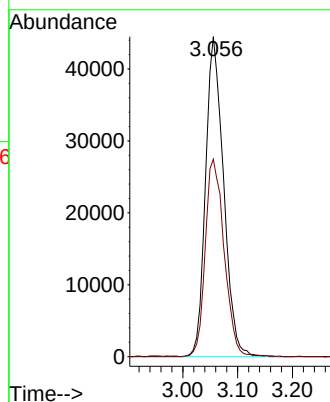
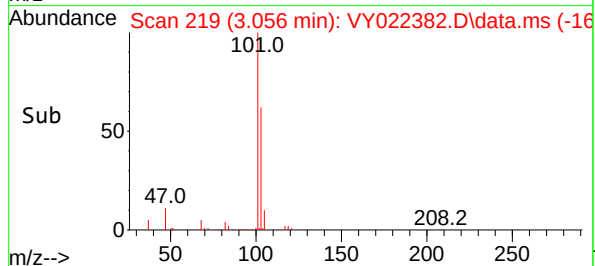
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion:101 Resp: 101302
Ion Ratio Lower Upper
101 100
103 61.7 51.7 77.5

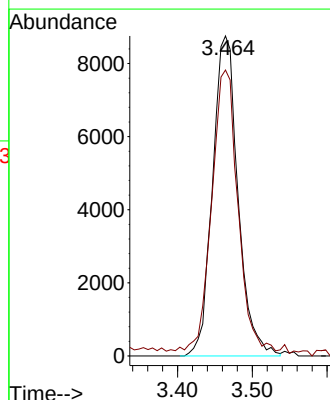
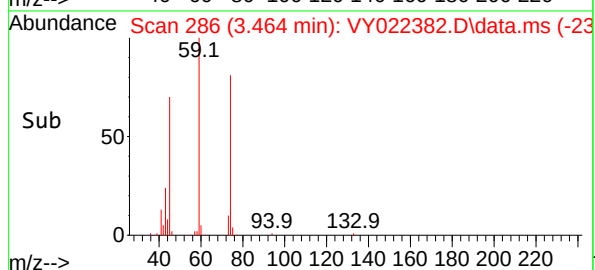
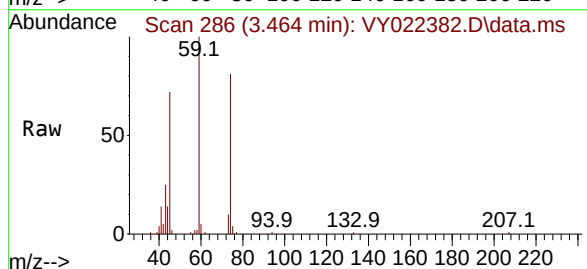
Manual Integrations
APPROVED

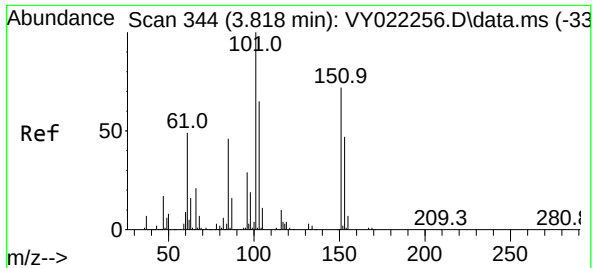
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#8
Diethyl Ether
Concen: 19.939 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 74 Resp: 20744
Ion Ratio Lower Upper
74 100
45 89.0 48.6 145.8





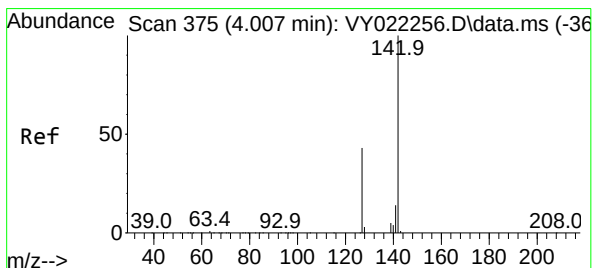
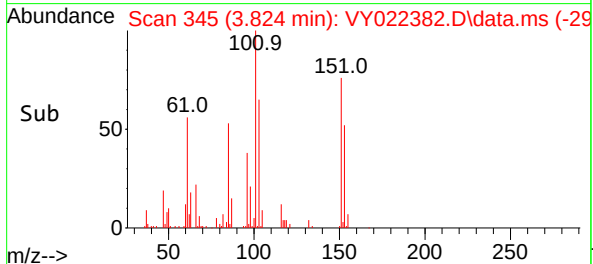
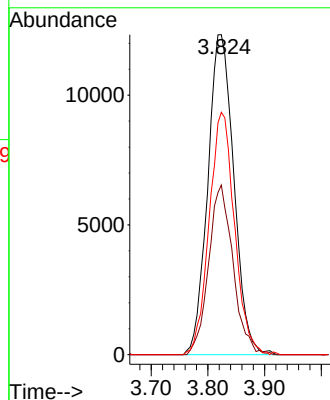
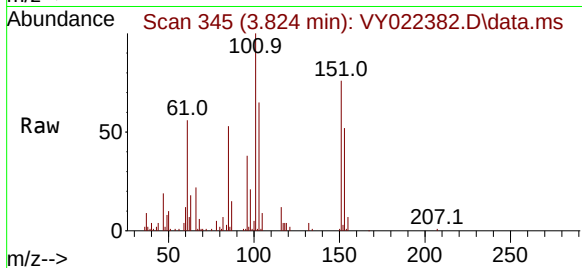
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.923 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Tgt Ion:101 Resp: 39378
Ion Ratio Lower Upper
101 100
85 49.6 38.6 58.0
151 73.6 59.7 89.5

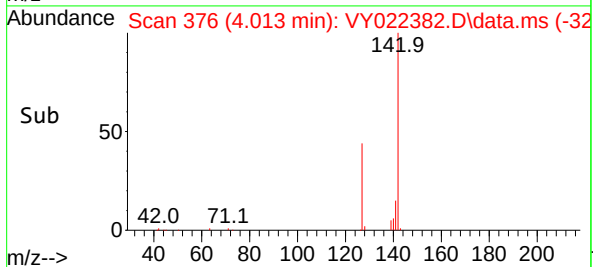
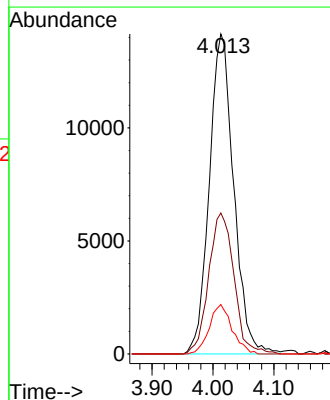
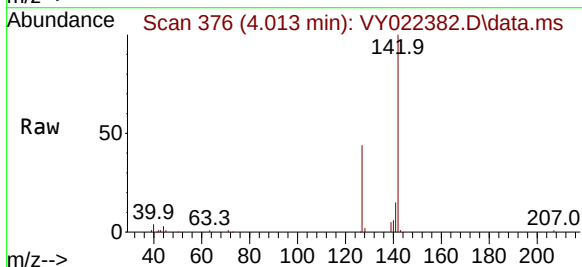
Manual Integrations
APPROVED

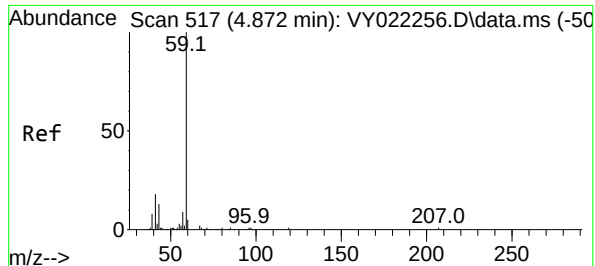
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#10
Methyl Iodide
Concen: 18.090 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:142 Resp: 39404
Ion Ratio Lower Upper
142 100
127 45.6 35.7 53.5
141 14.5 11.1 16.7





#11

Tert butyl alcohol

Concen: 95.339 ug/l

RT: 4.891 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 59 Resp: 1389

Ion Ratio Lower Upper

59 100

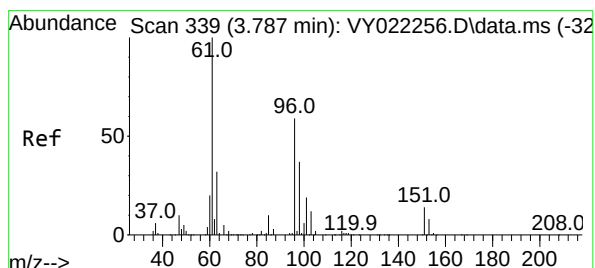
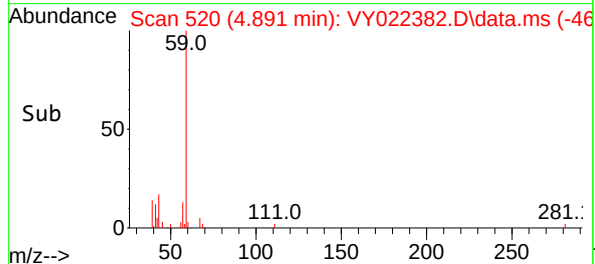
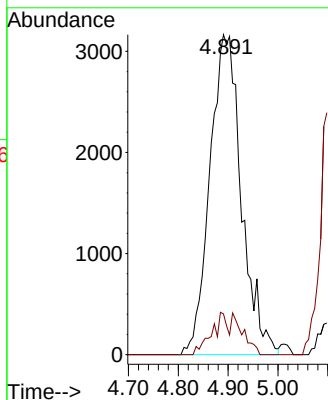
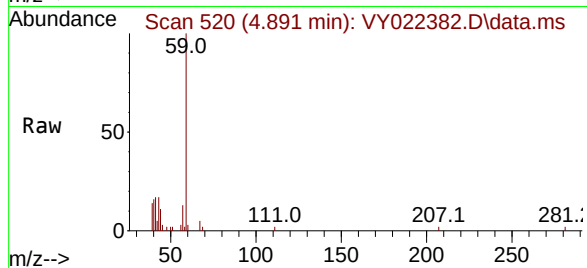
57 6.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#12

1,1-Dichloroethene

Concen: 20.476 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

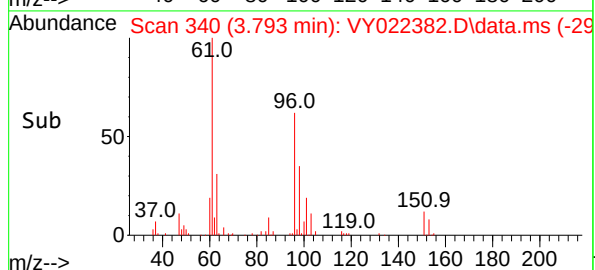
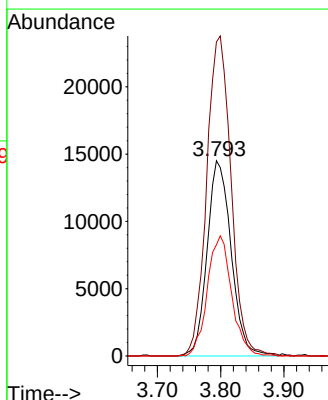
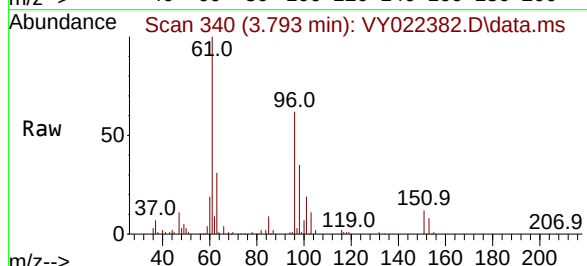
Tgt Ion: 96 Resp: 38242

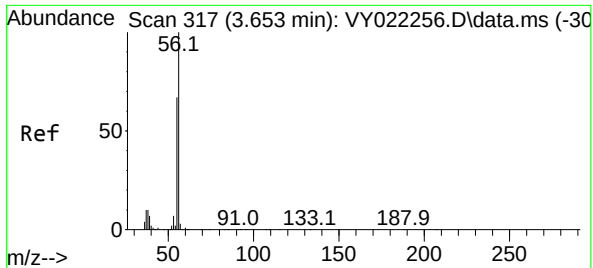
Ion Ratio Lower Upper

96 100

61 160.9 134.9 202.3

98 57.0 49.9 74.9





#13

Acrolein

Concen: 54.771 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 56 Resp: 11668

Ion Ratio Lower Upper

56 100

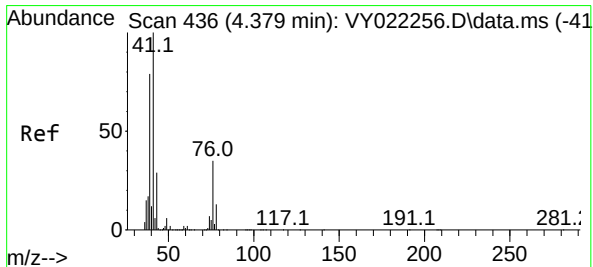
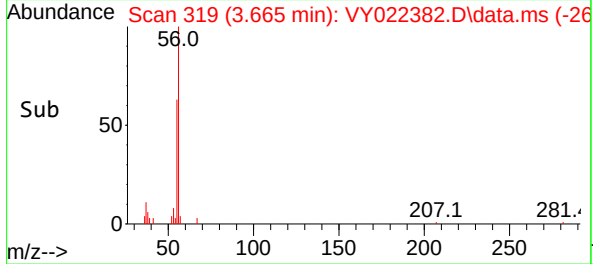
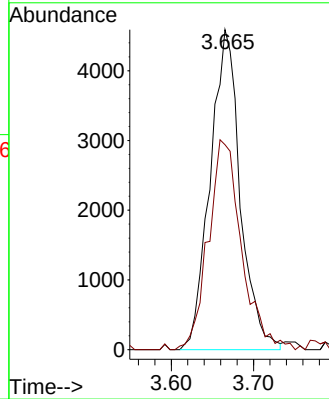
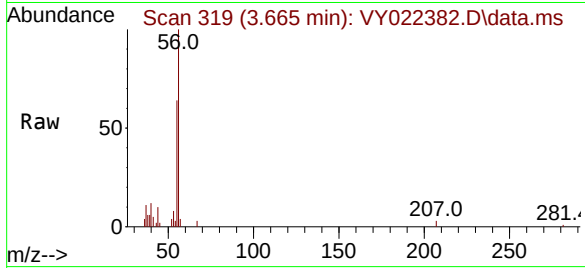
55 72.3 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#14

Allyl chloride

Concen: 17.650 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.018 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

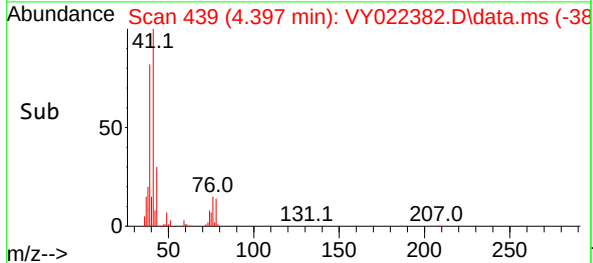
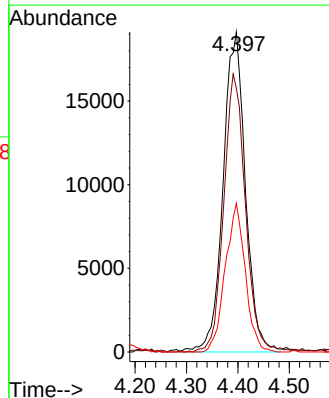
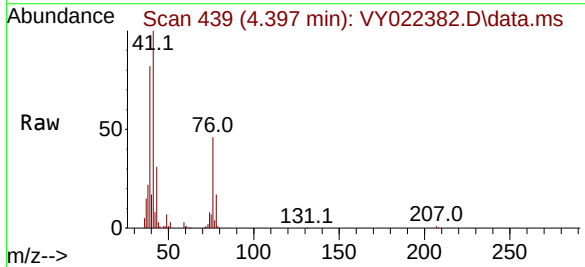
Tgt Ion: 41 Resp: 57800

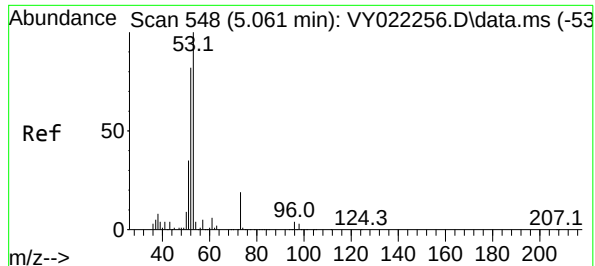
Ion Ratio Lower Upper

41 100

39 84.4 63.4 95.0

76 41.7 29.5 44.3





#15

Acrylonitrile

Concen: 96.604 ug/l

RT: 5.067 min Scan# 548

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 53 Resp: 4141

Ion Ratio Lower Upper

53 100

52 81.2 66.1 99.1

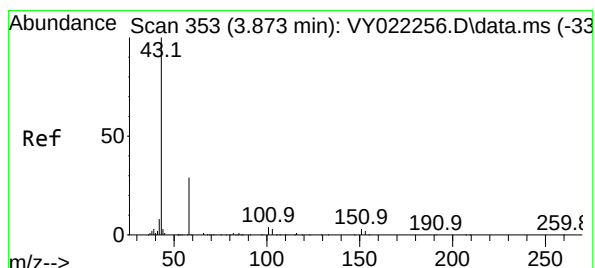
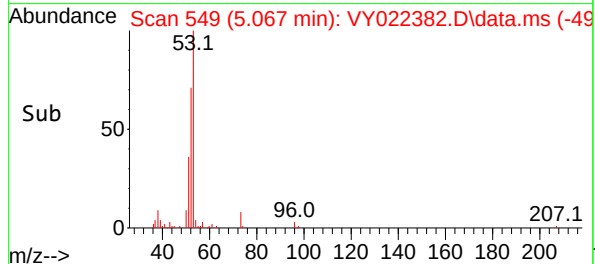
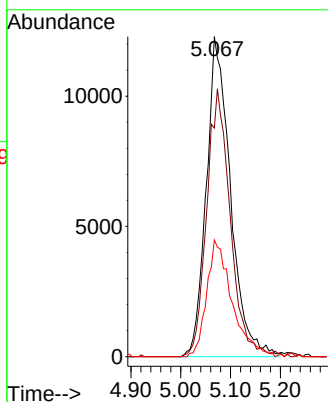
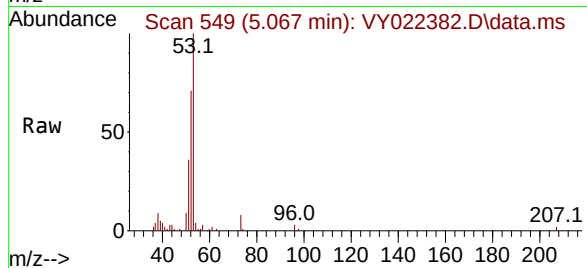
51 38.2 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#16

Acetone

Concen: 105.597 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.012 min

Lab File: VY022382.D

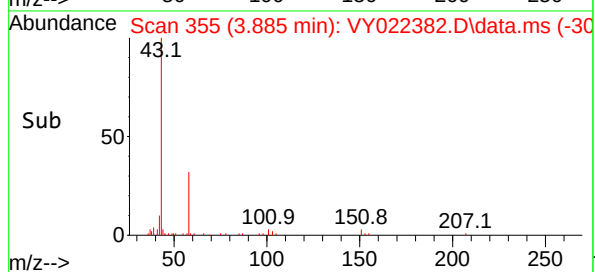
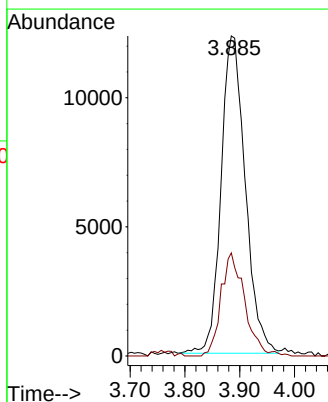
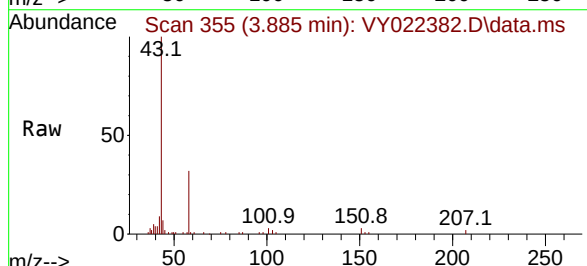
Acq: 22 May 2025 09:36

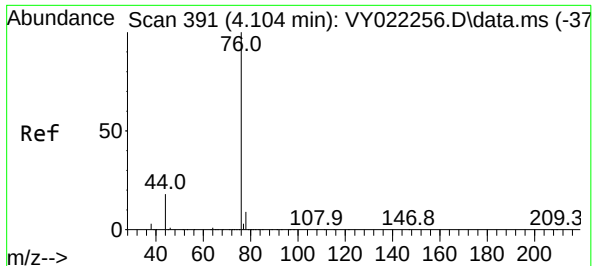
Tgt Ion: 43 Resp: 37784

Ion Ratio Lower Upper

43 100

58 31.9 23.6 35.4





#17

Carbon Disulfide

Concen: 19.304 ug/l

RT: 4.116 min Scan# 391

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 76 Resp: 11756

Ion Ratio Lower Upper

76 100

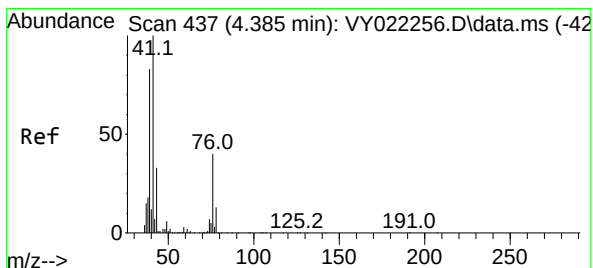
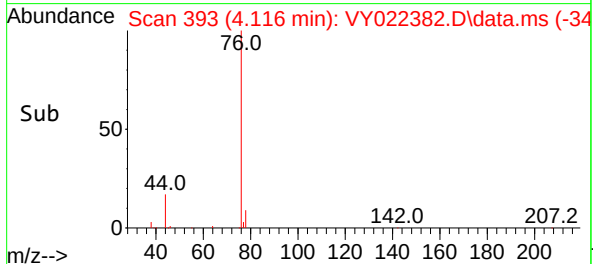
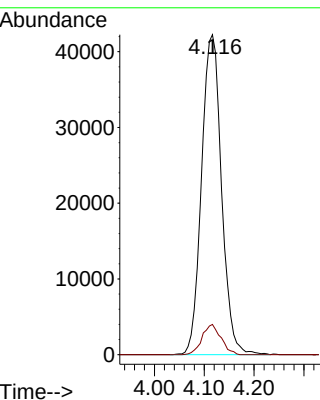
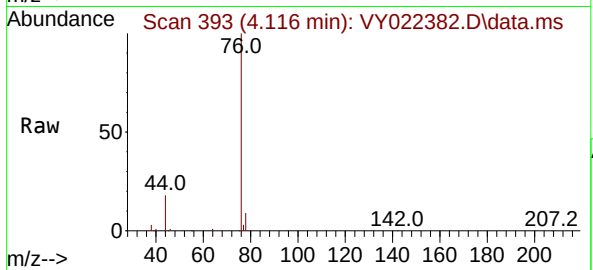
78 9.4 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#18

Methyl Acetate

Concen: 16.605 ug/l

RT: 4.403 min Scan# 440

Delta R.T. 0.018 min

Lab File: VY022382.D

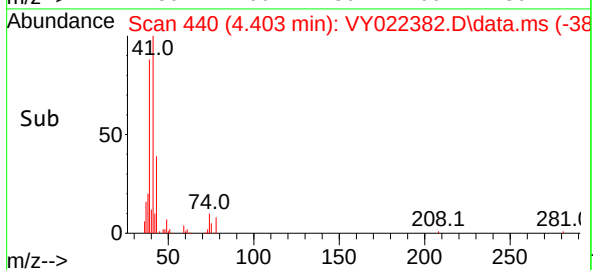
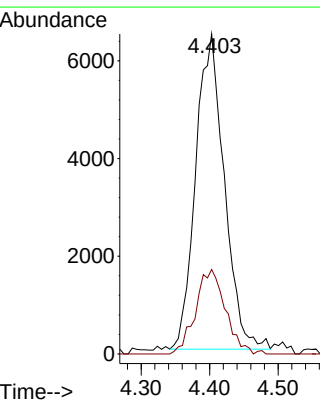
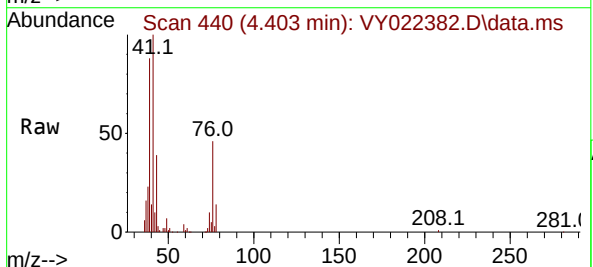
Acq: 22 May 2025 09:36

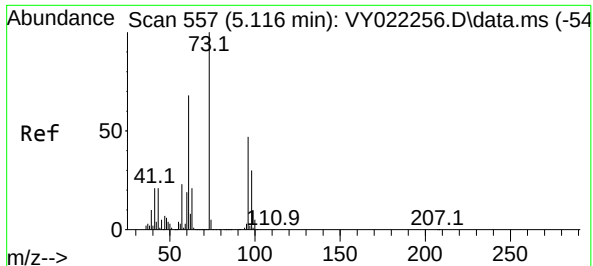
Tgt Ion: 43 Resp: 18733

Ion Ratio Lower Upper

43 100

74 27.9 18.2 27.4#





#19

Methyl tert-butyl Ether

Concen: 19.601 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 73 Resp: 100940

Ion Ratio Lower Upper

73 100

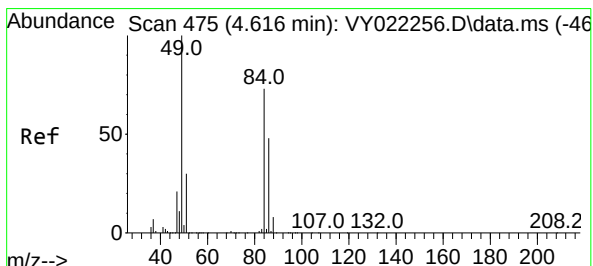
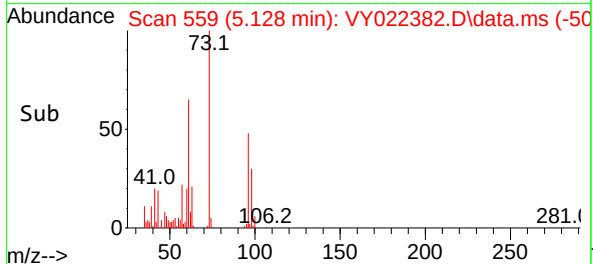
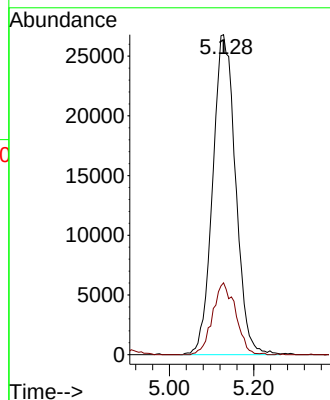
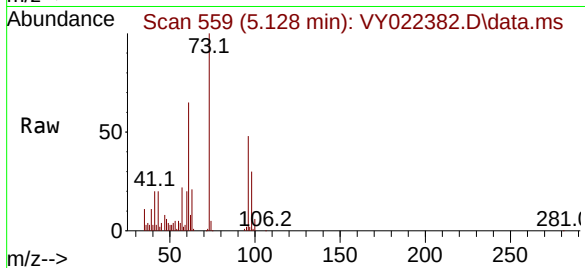
57 22.5 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#20

Methylene Chloride

Concen: 18.952 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion: 84 Resp: 43819

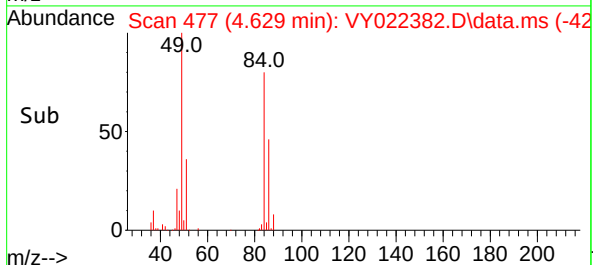
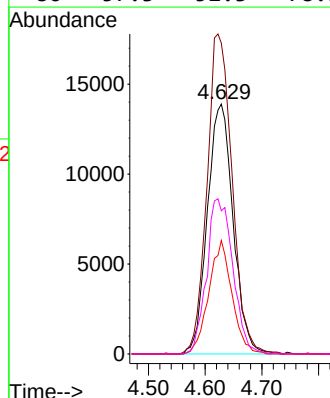
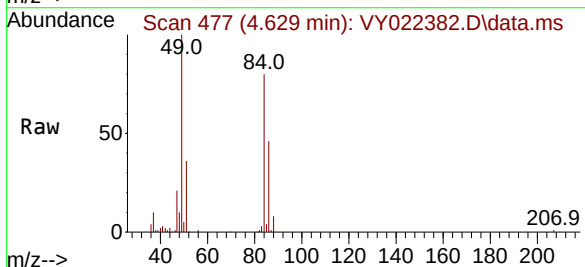
Ion Ratio Lower Upper

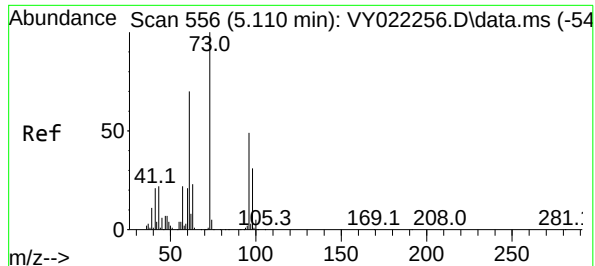
84 100

49 124.4 109.6 164.4

51 45.3 32.4 48.6

86 57.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.717 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 96 Resp: 4064

Ion Ratio Lower Upper

96 100

61 133.2 113.4 170.0

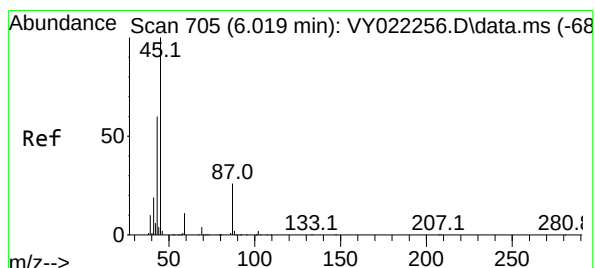
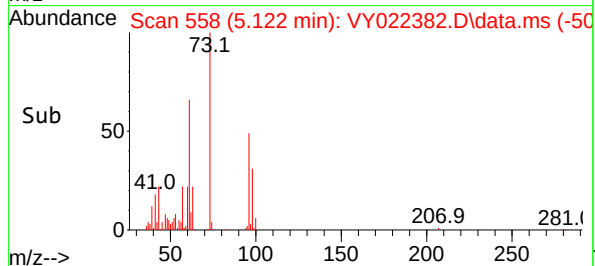
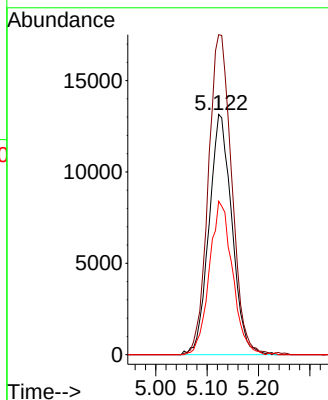
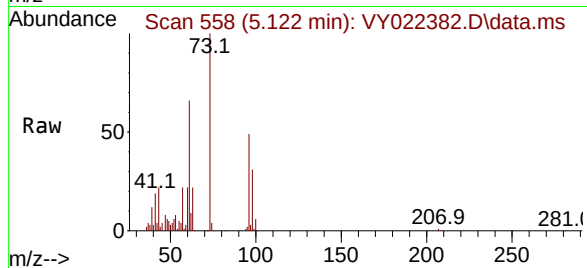
98 63.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#22

Diisopropyl ether

Concen: 18.055 ug/l

RT: 6.031 min Scan# 707

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion: 45 Resp: 124864

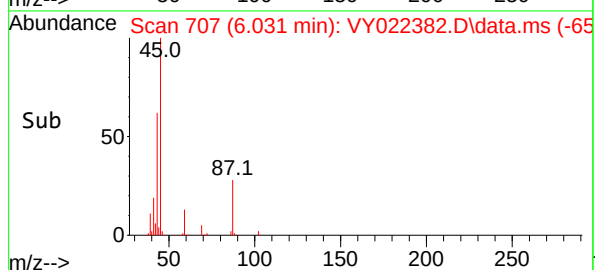
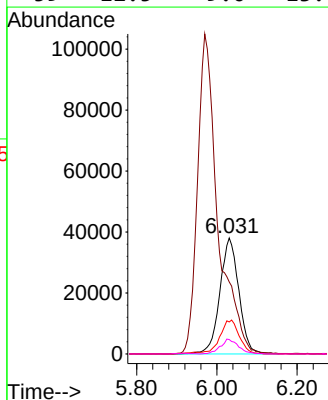
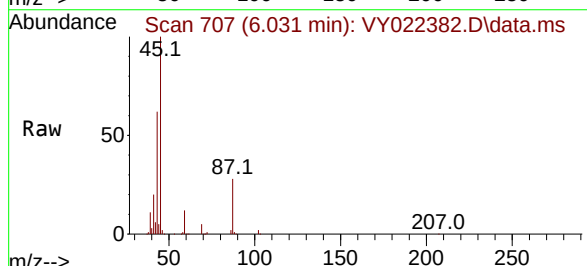
Ion Ratio Lower Upper

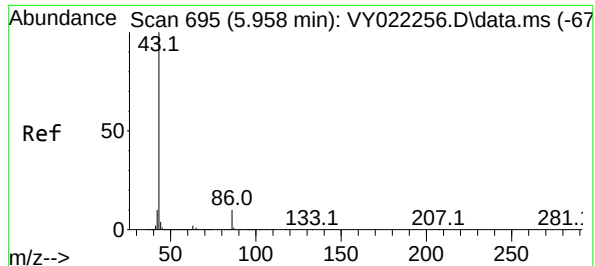
45 100

43 61.7 48.2 72.2

87 27.6 21.4 32.0

59 12.5 9.0 13.4





#23

Vinyl Acetate

Concen: 88.742 ug/l

RT: 5.970 min Scan# 695

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 43 Resp: 37076

Ion Ratio Lower Upper

43

100

86

11.3

7.8

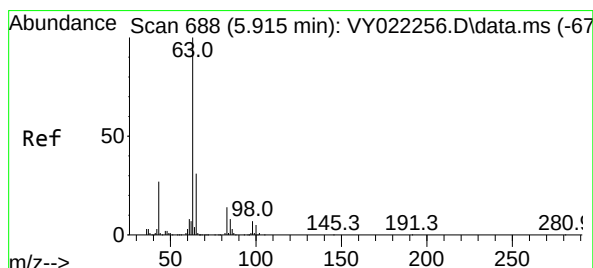
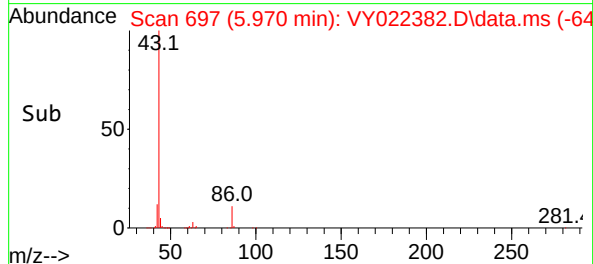
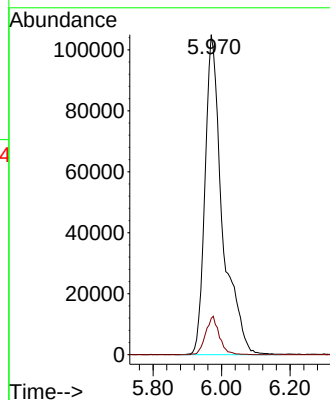
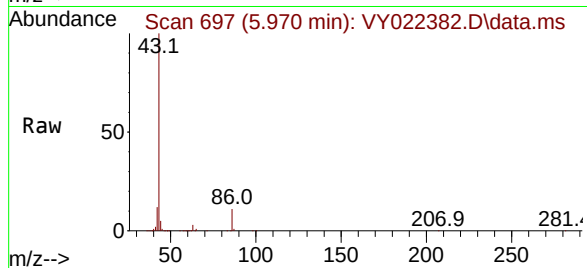
11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#24

1,1-Dichloroethane

Concen: 19.421 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion: 63 Resp: 75035

Ion Ratio Lower Upper

63

100

98

7.2

3.5

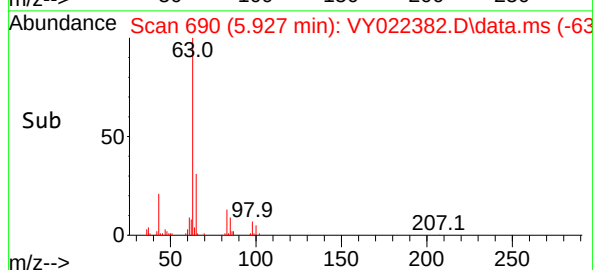
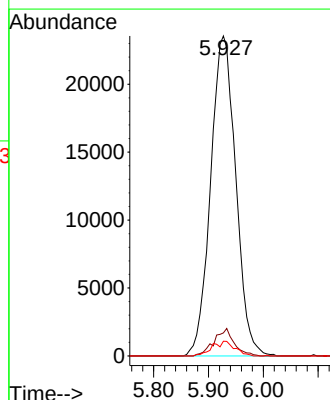
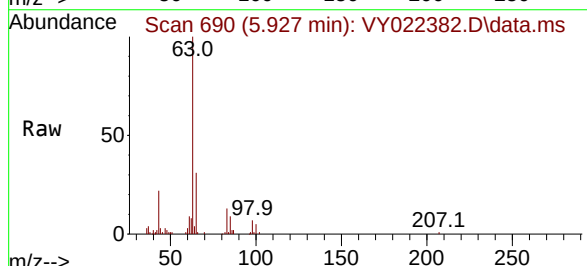
10.5

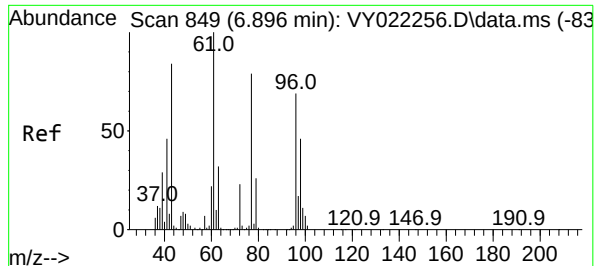
100

4.6

2.4

7.2





#25

2-Butanone

Concen: 95.421 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 43 Resp: 5711

Ion Ratio Lower Upper

43 100

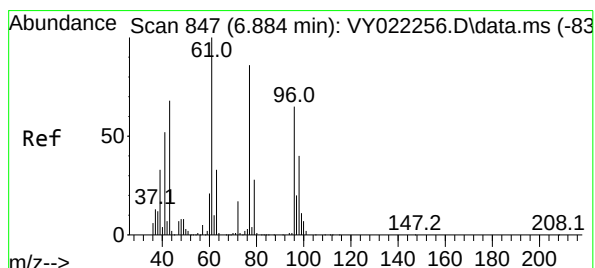
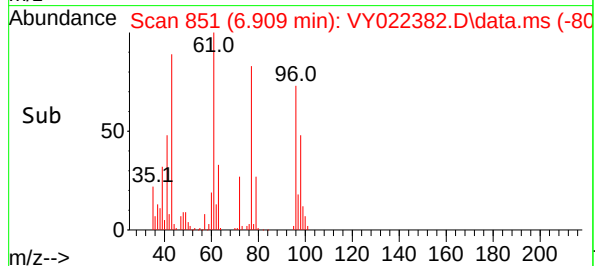
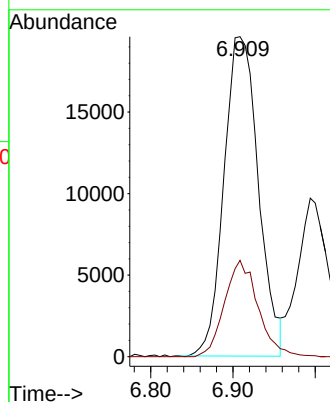
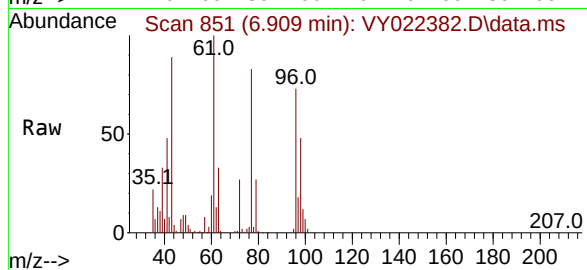
72 30.2 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#26

2,2-Dichloropropane

Concen: 20.103 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY022382.D

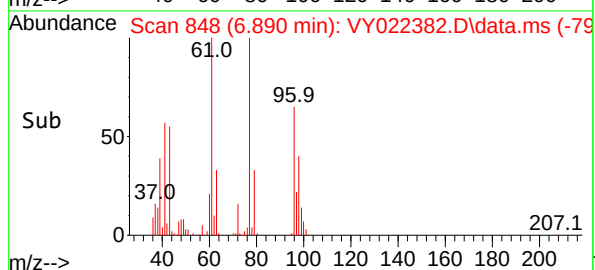
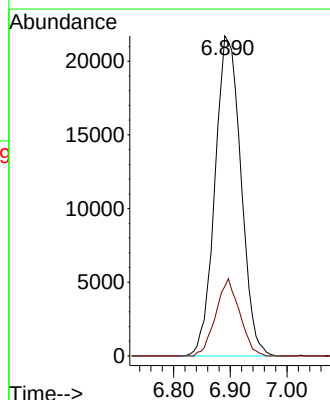
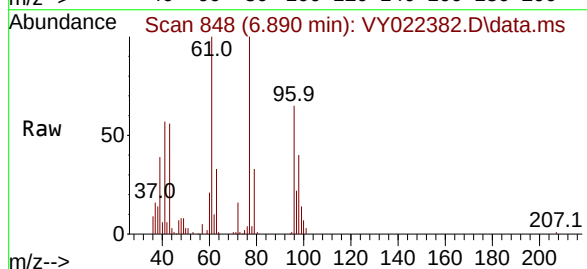
Acq: 22 May 2025 09:36

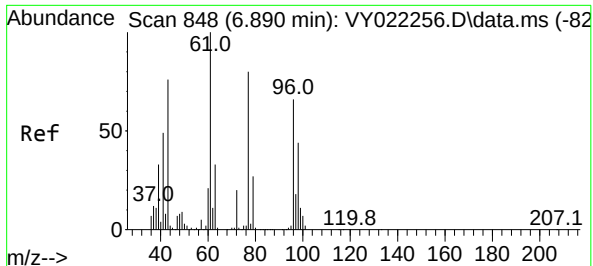
Tgt Ion: 77 Resp: 69084

Ion Ratio Lower Upper

77 100

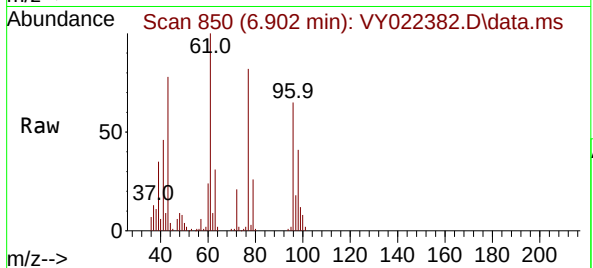
97 22.3 11.2 33.5





#27
 cis-1,2-Dichloroethene
 Concen: 19.861 ug/l
 RT: 6.902 min Scan# 848
 Delta R.T. 0.012 min
 Lab File: VY022382.D
 Acq: 22 May 2025 09:36

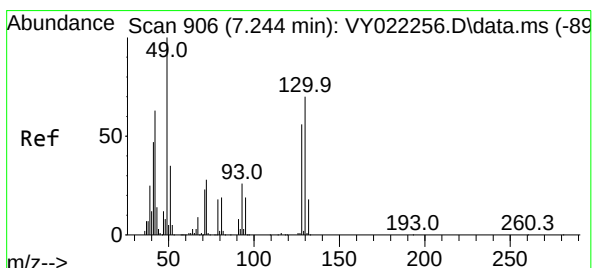
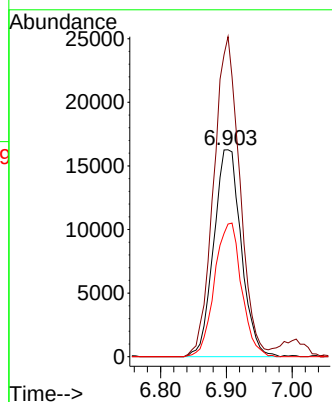
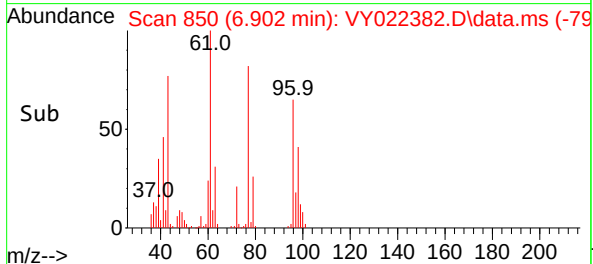
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01



Tgt Ion: 96 Resp: 47248
 Ion Ratio Lower Upper
 96 100
 61 147.3 0.0 302.6
 98 63.4 0.0 128.8

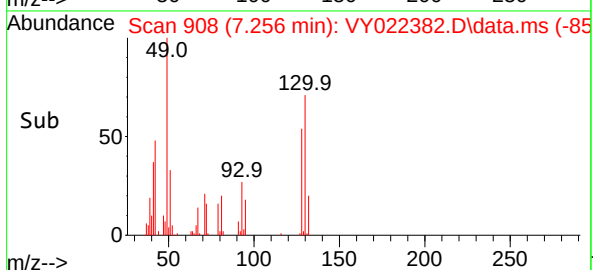
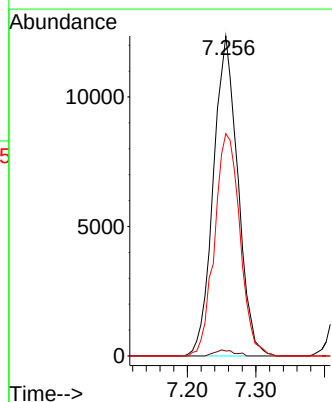
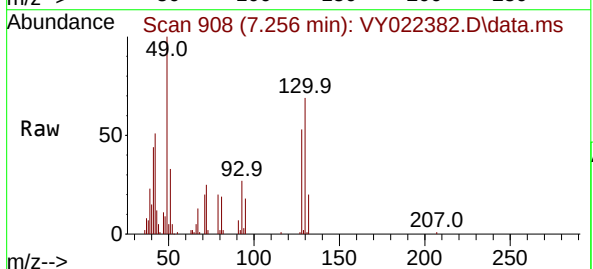
Manual Integrations
 APPROVED

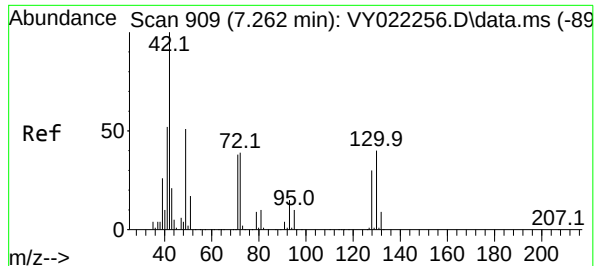
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#28
 Bromochloromethane
 Concen: 18.573 ug/l
 RT: 7.256 min Scan# 908
 Delta R.T. 0.012 min
 Lab File: VY022382.D
 Acq: 22 May 2025 09:36

Tgt Ion: 49 Resp: 30609
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.6
 130 72.1 54.7 82.1





#29

Tetrahydrofuran

Concen: 92.280 ug/l

RT: 7.280 min Scan# 912

Delta R.T. 0.018 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 42 Resp: 3553

Ion Ratio Lower Upper

42 100

72 44.5 33.8 50.6

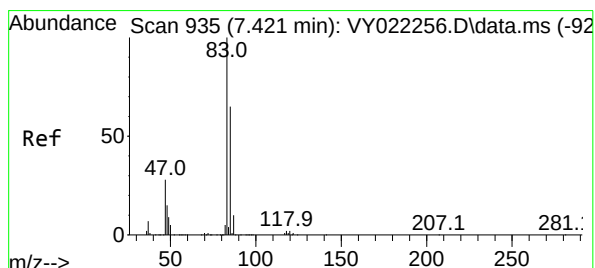
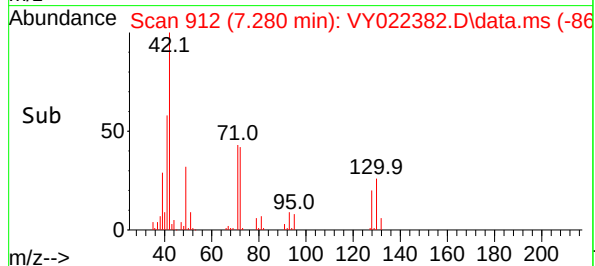
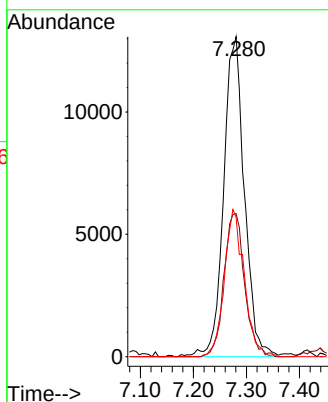
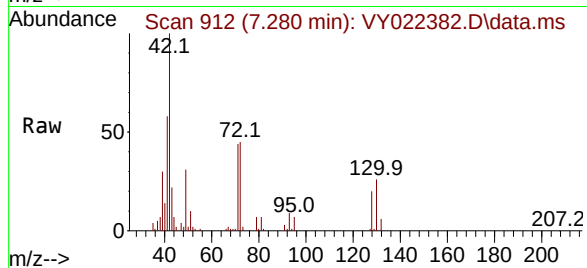
71 44.0 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Chloroform

Concen: 20.111 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.012 min

Lab File: VY022382.D

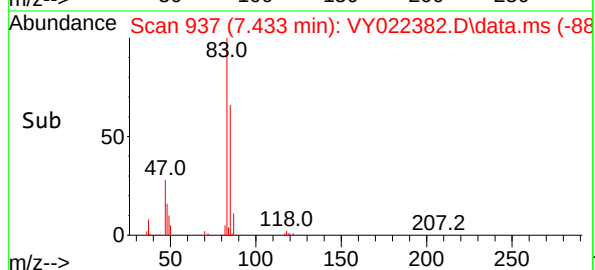
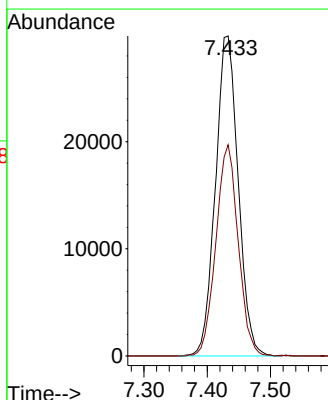
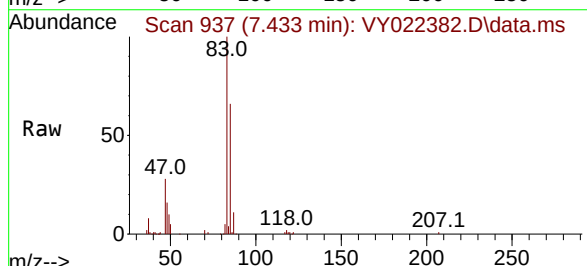
Acq: 22 May 2025 09:36

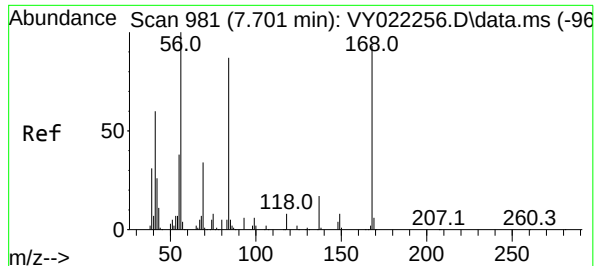
Tgt Ion: 83 Resp: 74530

Ion Ratio Lower Upper

83 100

85 66.0 51.8 77.8





#31

Cyclohexane

Concen: 18.653 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 56 Resp: 72000

Ion Ratio Lower Upper

56 100

69 39.5 27.4 41.2

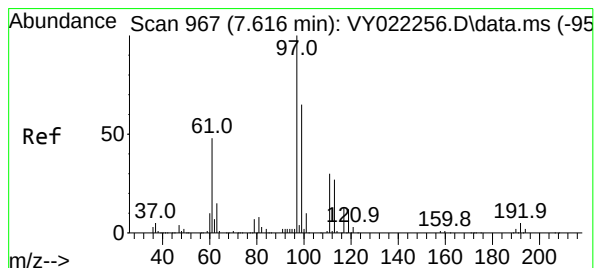
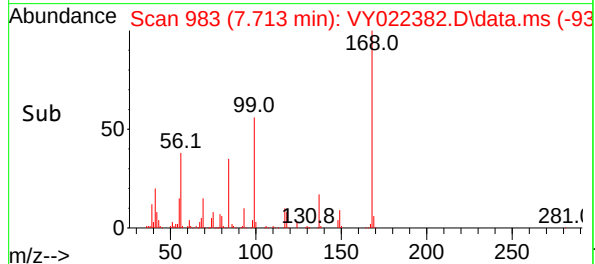
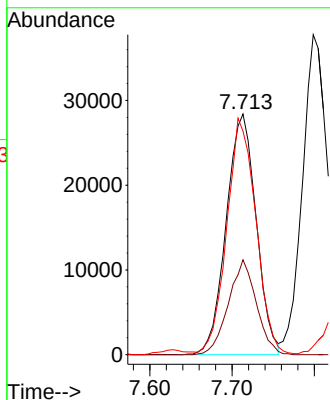
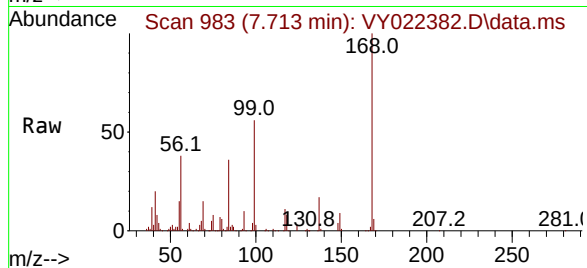
84 91.1 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#32

1,1,1-Trichloroethane

Concen: 19.472 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

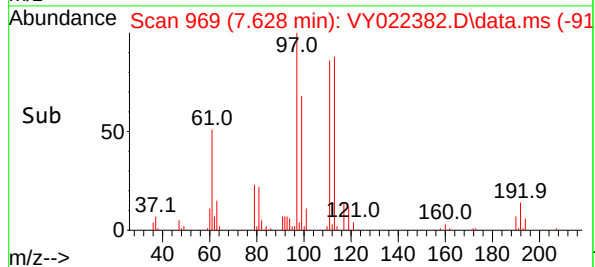
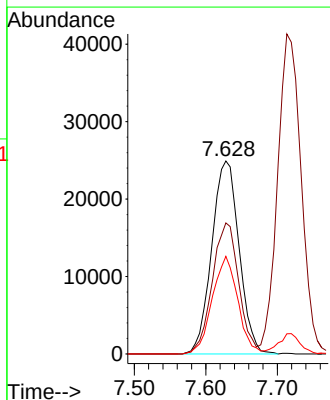
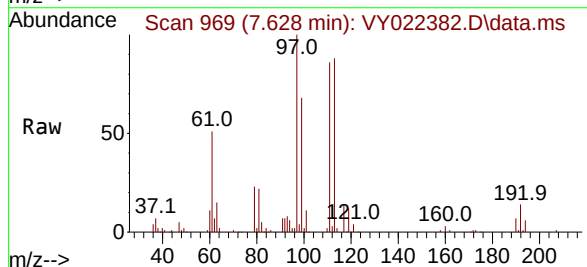
Tgt Ion: 97 Resp: 66206

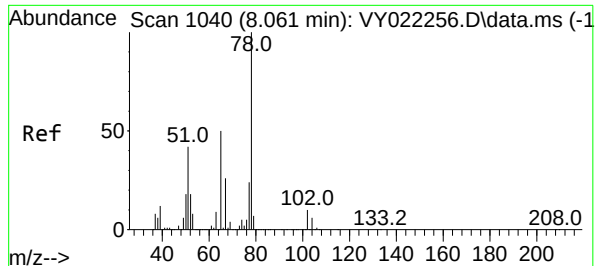
Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

61 47.2 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 48.376 ug/l

RT: 8.073 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 65 Resp: 9231

Ion Ratio Lower Upper

65 100

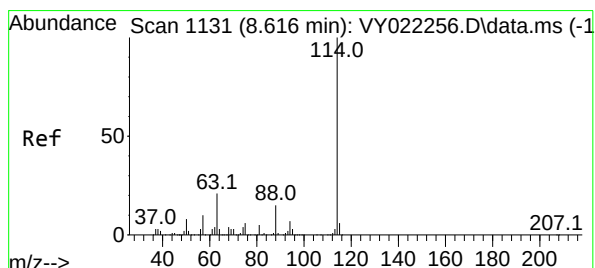
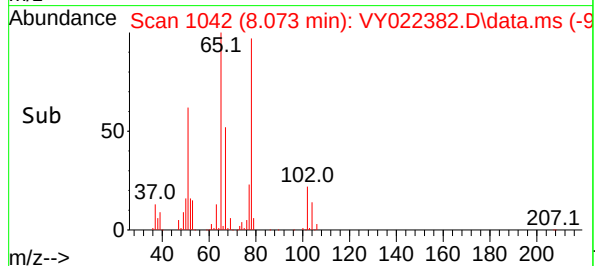
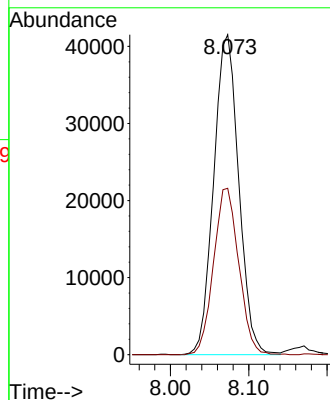
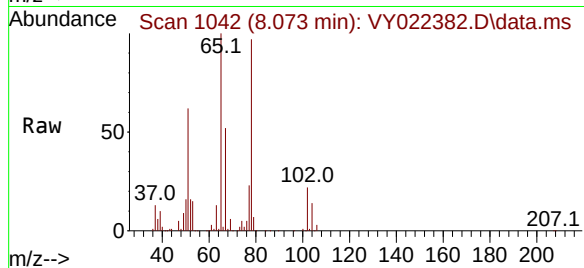
67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

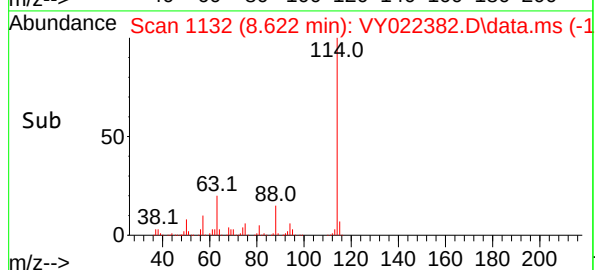
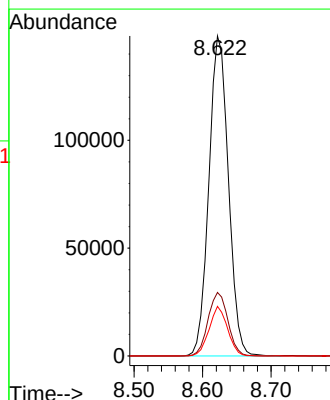
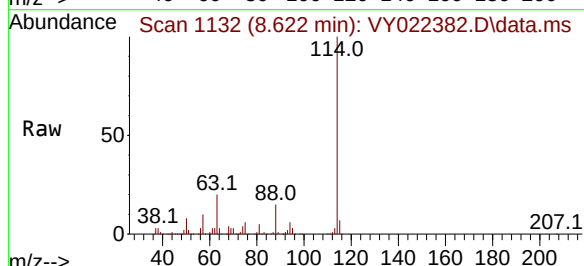
Tgt Ion:114 Resp: 293942

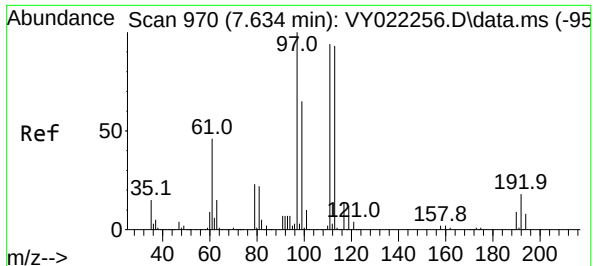
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.291 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion:113 Resp: 8823

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

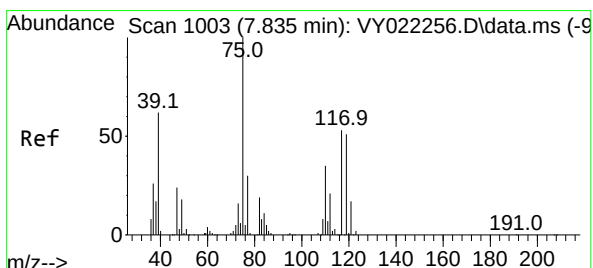
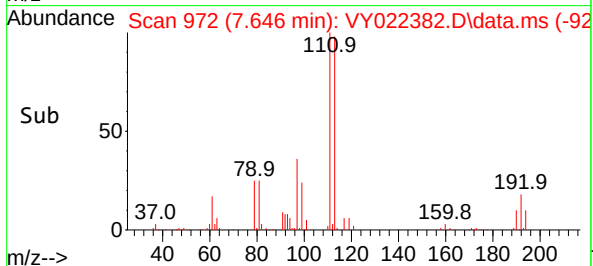
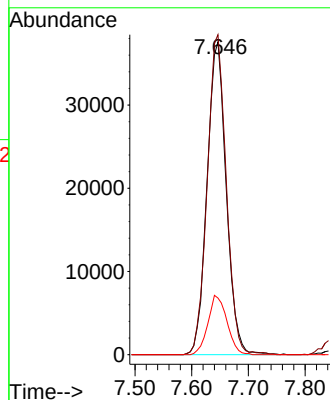
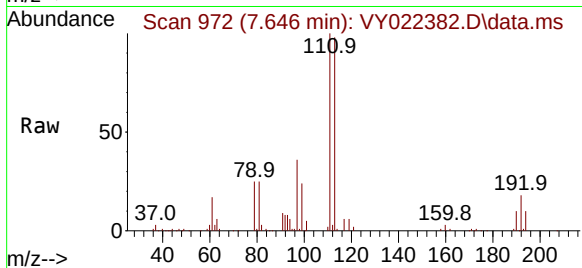
192 18.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#36

1,1-Dichloropropene

Concen: 19.702 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

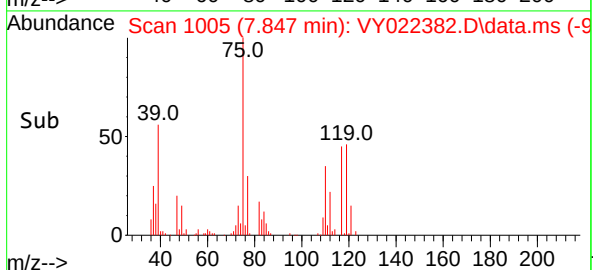
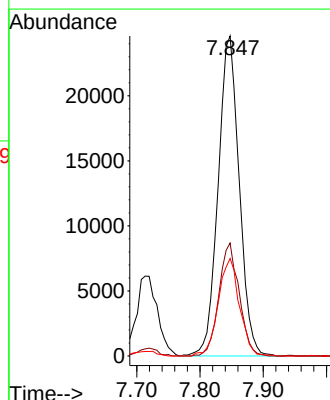
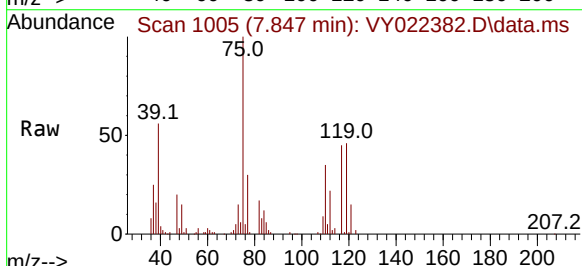
Tgt Ion: 75 Resp: 56933

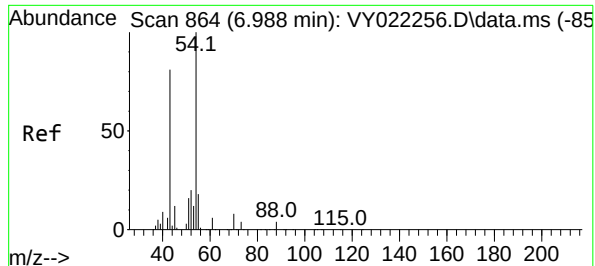
Ion Ratio Lower Upper

75 100

110 33.8 16.6 49.8

77 30.6 24.6 37.0





#37

Ethyl Acetate

Concen: 19.234 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 43 Resp: 2674

Ion Ratio Lower Upper

43 100

61 14.4 10.2 15.2

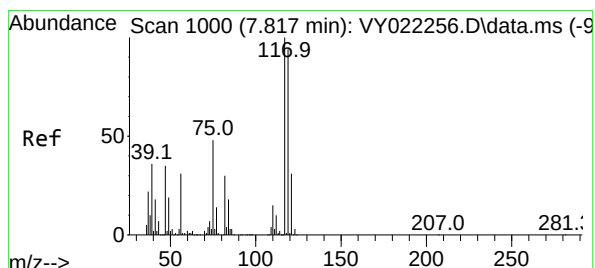
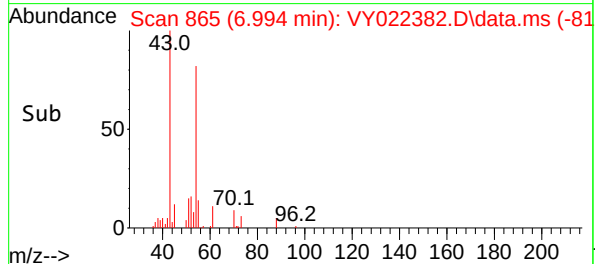
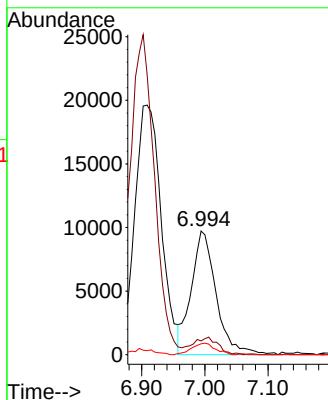
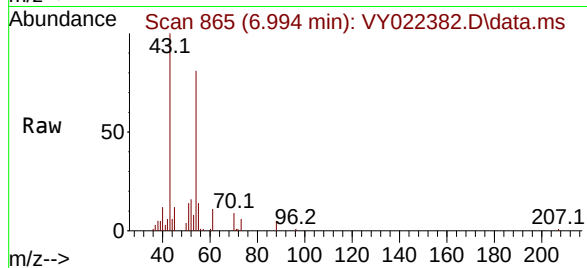
70 8.7 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Carbon Tetrachloride

Concen: 19.771 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

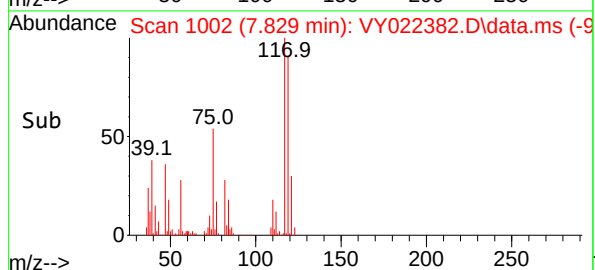
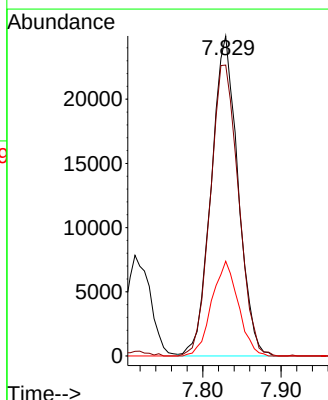
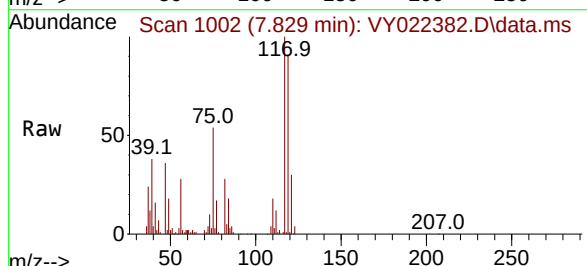
Tgt Ion:117 Resp: 59138

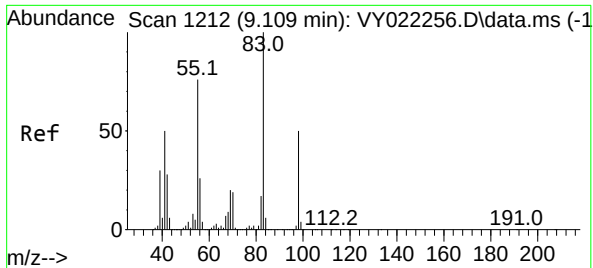
Ion Ratio Lower Upper

117 100

119 90.9 75.3 112.9

121 29.6 24.7 37.1





#39

Methylcyclohexane

Concen: 19.151 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 83 Resp: 74349

Ion Ratio Lower Upper

83 100

55 72.2 60.6 90.8

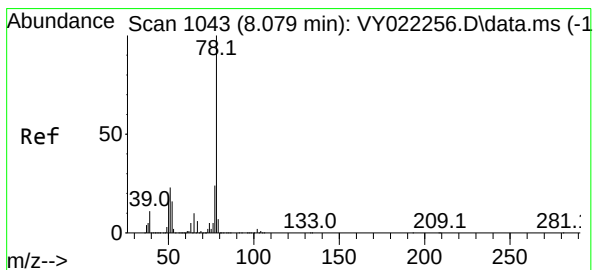
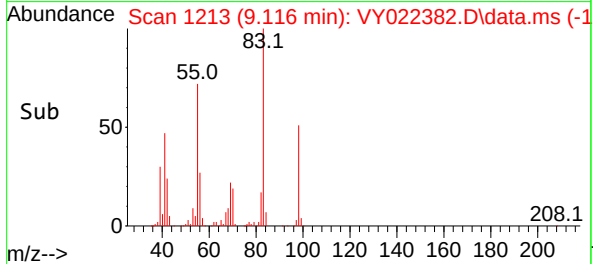
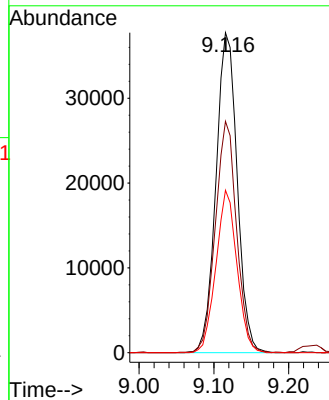
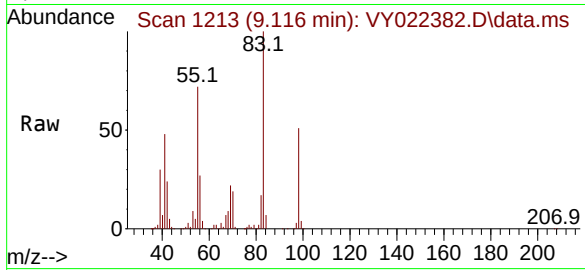
98 50.7 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#40

Benzene

Concen: 19.508 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022382.D

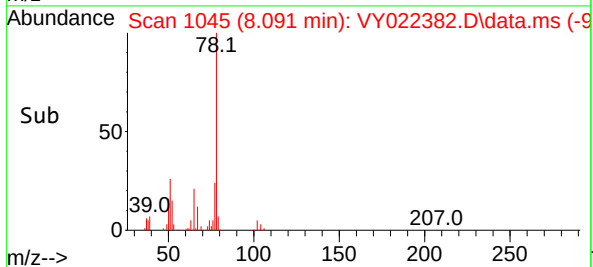
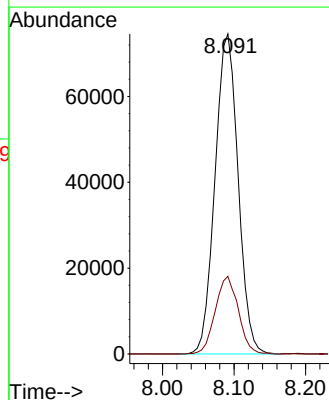
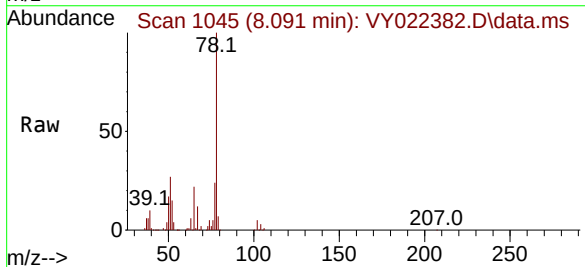
Acq: 22 May 2025 09:36

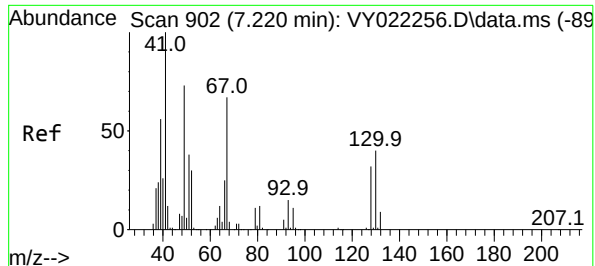
Tgt Ion: 78 Resp: 167114

Ion Ratio Lower Upper

78 100

77 24.3 18.9 28.3





#41

Methacrylonitrile

Concen: 15.333 ug/l

RT: 7.232 min Scan# 904

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 41 Resp: 1414

Ion Ratio Lower Upper

41 100

39 57.8 39.1 58.7

67 76.4 47.1 70.7

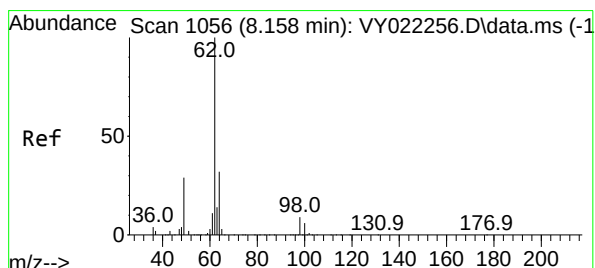
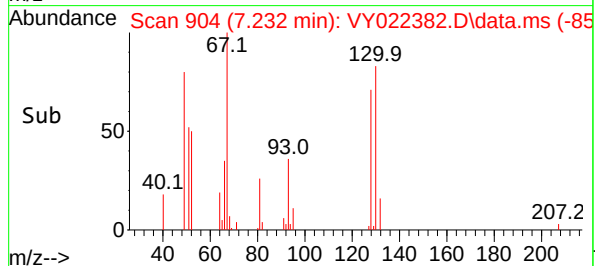
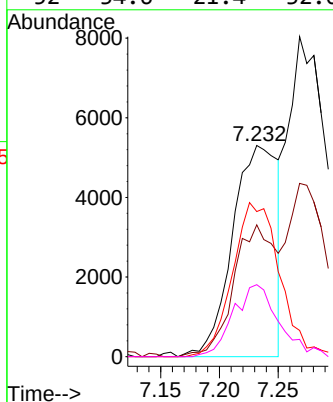
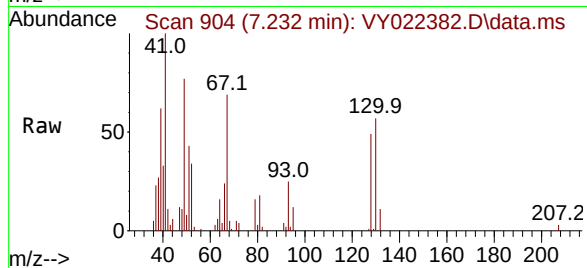
52 34.6 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#42

1,2-Dichloroethane

Concen: 19.081 ug/l

RT: 8.171 min Scan# 1058

Delta R.T. 0.012 min

Lab File: VY022382.D

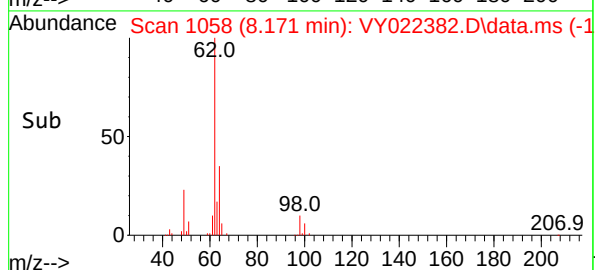
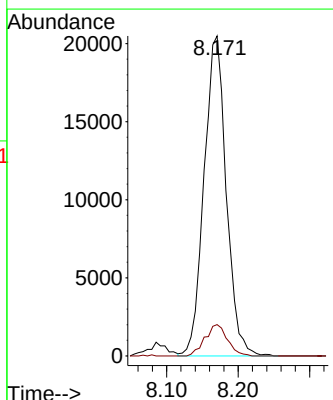
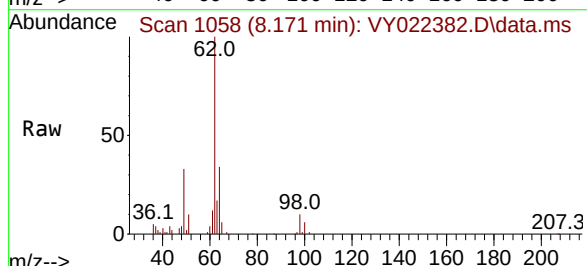
Acq: 22 May 2025 09:36

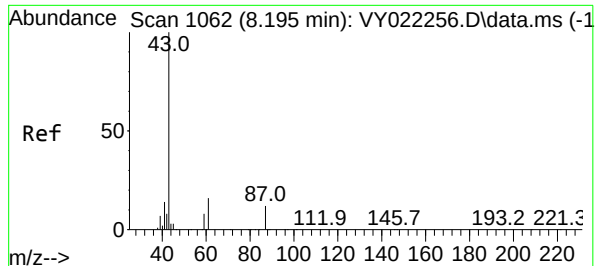
Tgt Ion: 62 Resp: 44204

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.427 ug/l

RT: 8.207 min Scan# 1106

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

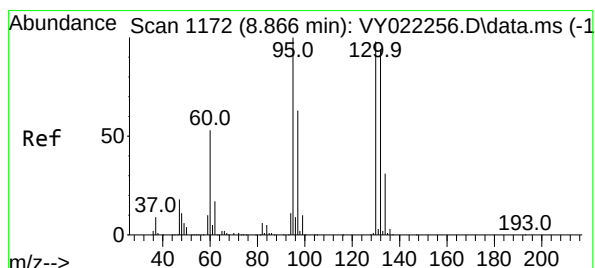
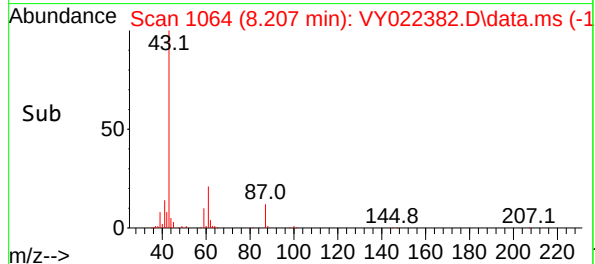
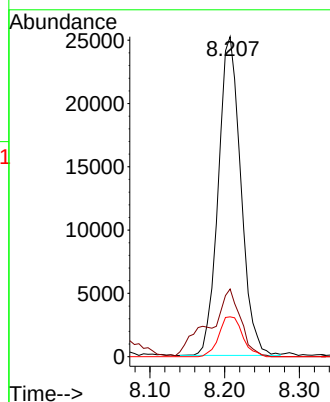
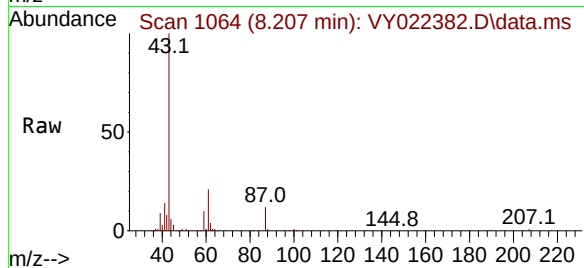
Tgt Ion: 43	Resp: 5284
Ion Ratio	Lower Upper
43	100
61	19.7 15.1 22.7
87	13.2 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#44

Trichloroethene

Concen: 20.109 ug/l

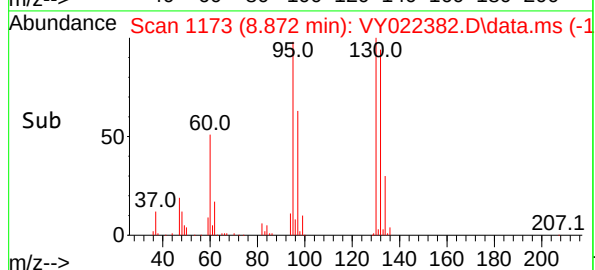
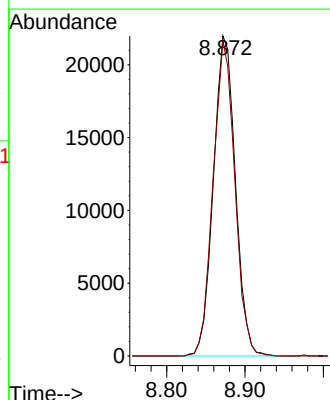
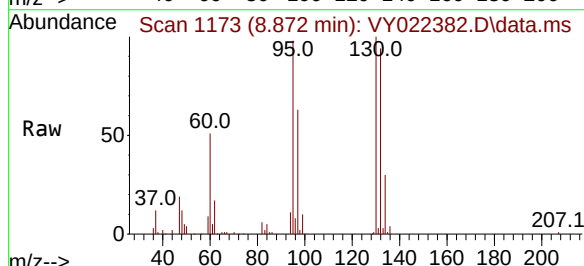
RT: 8.872 min Scan# 1173

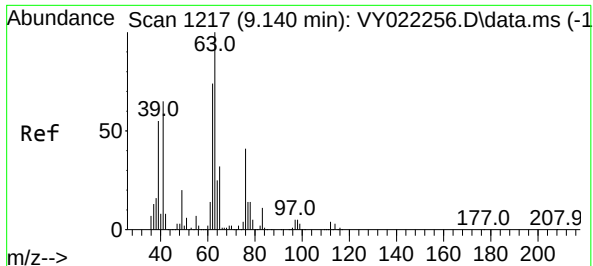
Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion:130	Resp: 42833
Ion Ratio	Lower Upper
130	100
95	98.4 0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.081 ug/l

RT: 9.152 min Scan# 1219

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 63 Resp: 39408

Ion Ratio Lower Upper

63 100

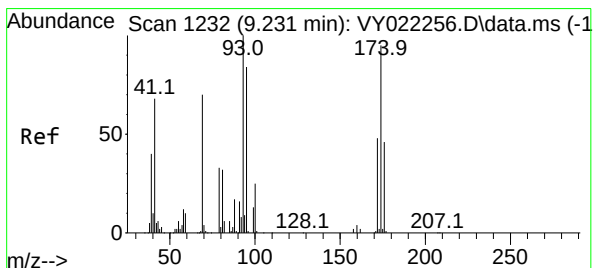
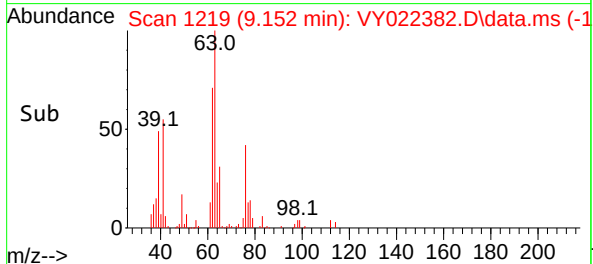
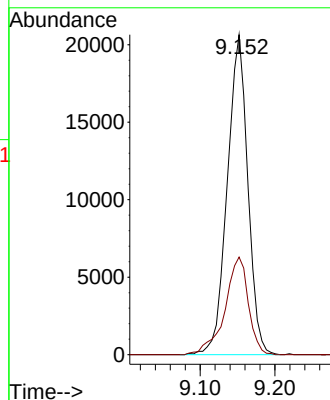
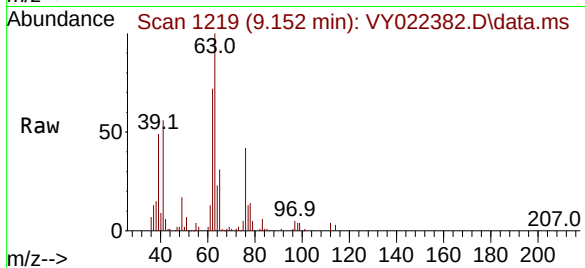
65 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#46

Dibromomethane

Concen: 19.905 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

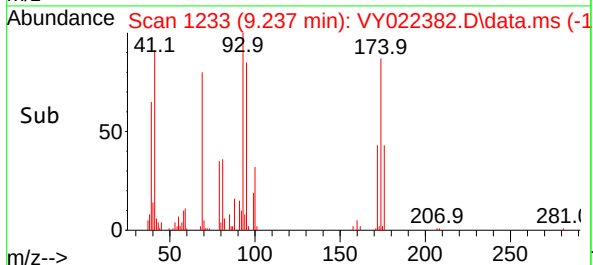
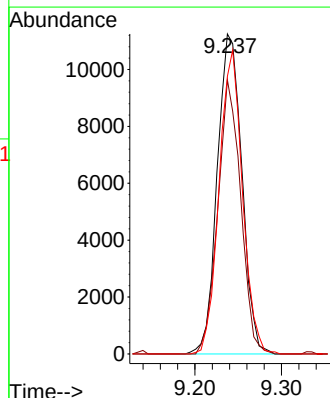
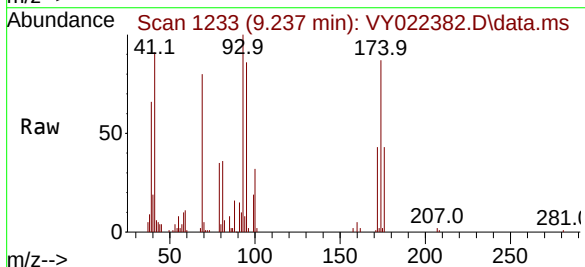
Tgt Ion: 93 Resp: 22173

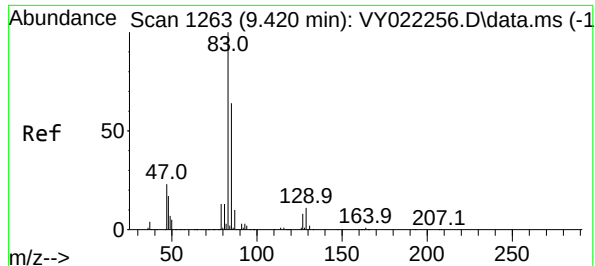
Ion Ratio Lower Upper

93 100

95 79.5 65.2 97.8

174 90.2 74.3 111.5





#47

Bromodichloromethane

Concen: 19.317 ug/l

RT: 9.433 min Scan# 1265

Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

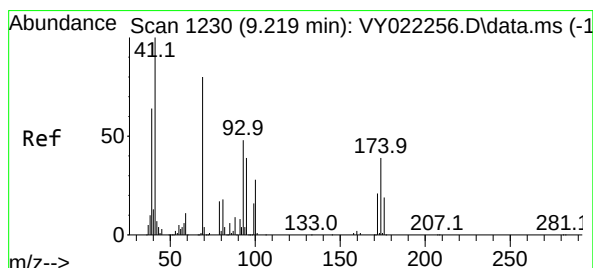
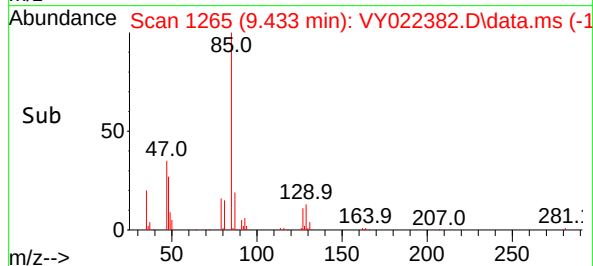
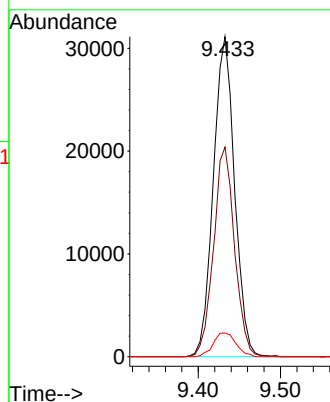
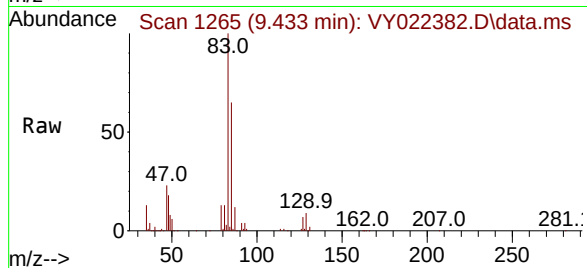
Tgt Ion: 83	Resp: 5582
Ion Ratio	Lower Upper
83 100	
85 65.5	51.1 76.7
127 7.4	6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Methyl methacrylate

Concen: 17.203 ug/l

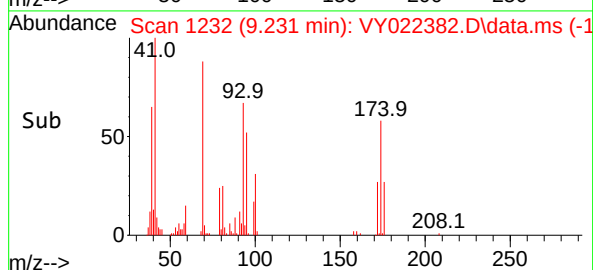
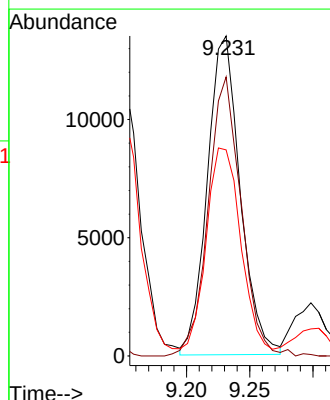
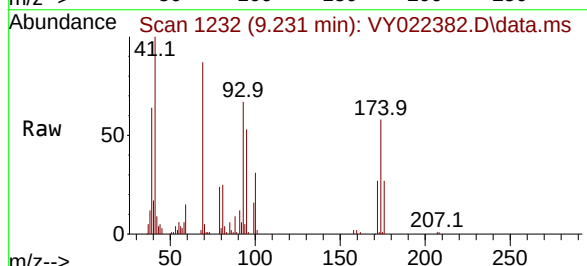
RT: 9.231 min Scan# 1232

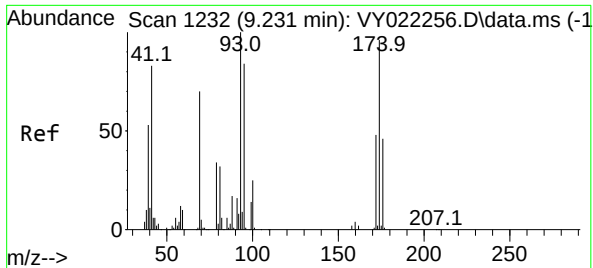
Delta R.T. 0.012 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion: 41	Resp: 24395
Ion Ratio	Lower Upper
41 100	
69 87.5	63.5 95.3
39 65.3	50.8 76.2





#49

1,4-Dioxane

Concen: 398.826 ug/l

RT: 9.250 min Scan# 1232

Delta R.T. 0.018 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 88 Resp: 5019

Ion Ratio Lower Upper

88 100

43 34.2 28.5 42.7

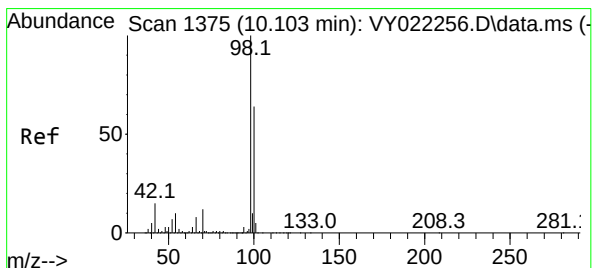
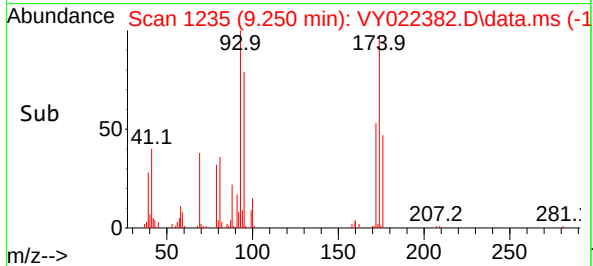
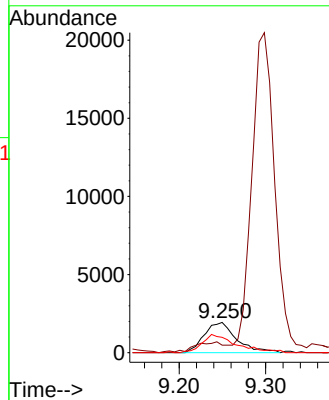
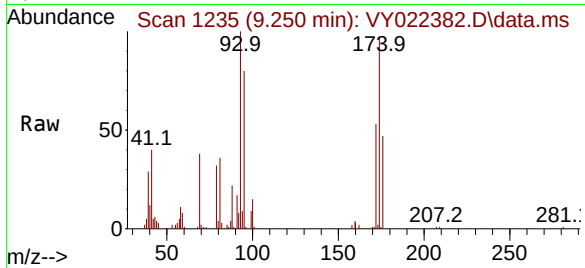
58 63.8 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#50

Toluene-d8

Concen: 50.334 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022382.D

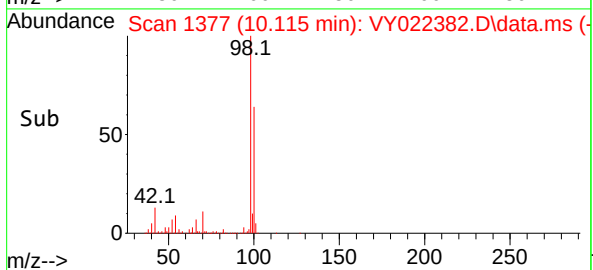
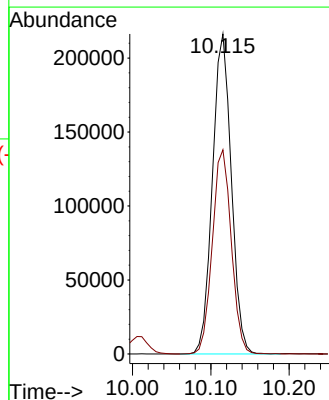
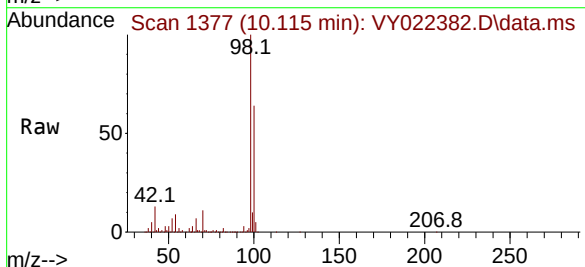
Acq: 22 May 2025 09:36

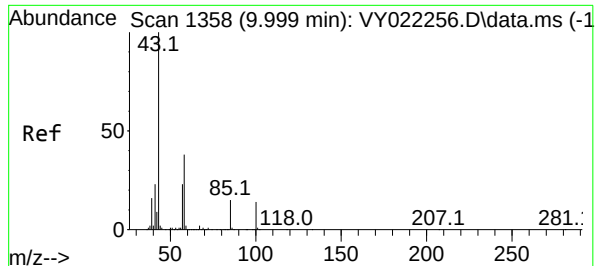
Tgt Ion: 98 Resp: 361670

Ion Ratio Lower Upper

98 100

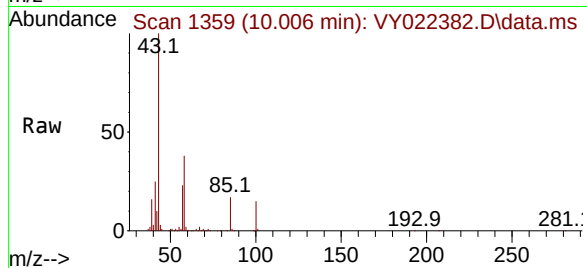
100 64.1 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 88.920 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

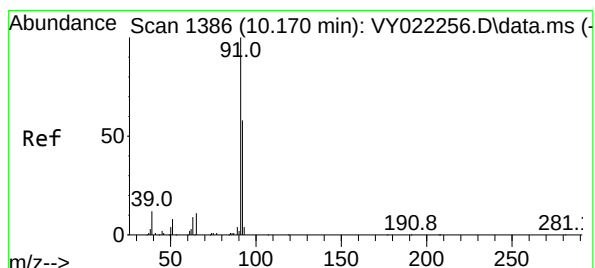
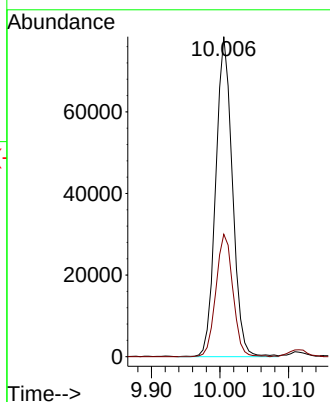
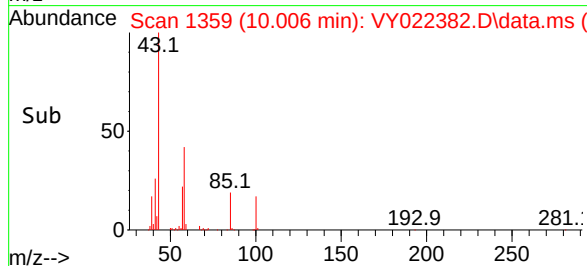
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



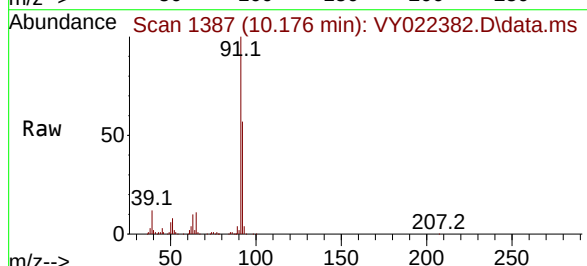
Tgt Ion: 43 Resp: 132300
Ion Ratio Lower Upper
43 100
58 38.9 29.4 44.2

Manual Integrations
APPROVED

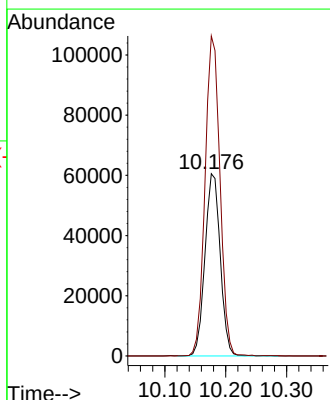
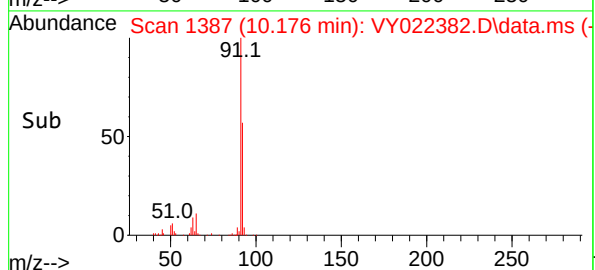
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

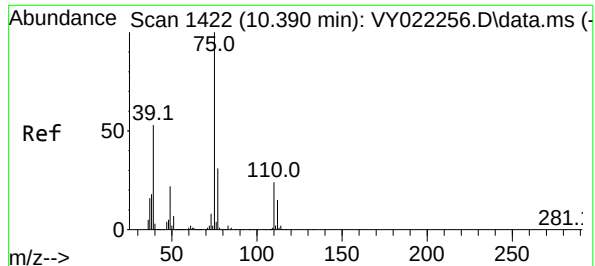


#52
Toluene
Concen: 19.443 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



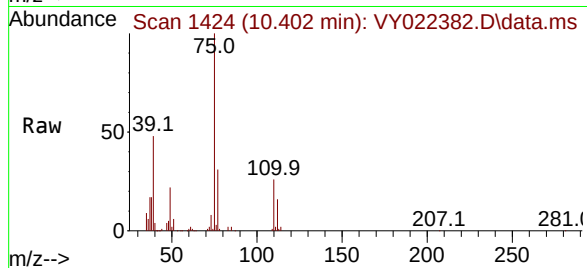
Tgt Ion: 92 Resp: 105474
Ion Ratio Lower Upper
92 100
91 171.8 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 18.540 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

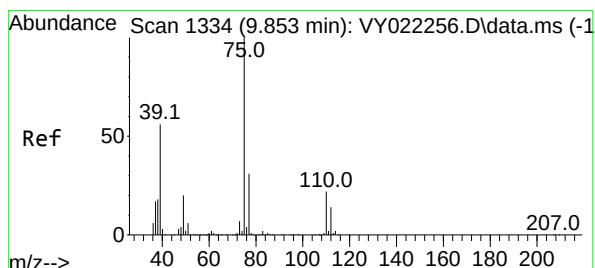
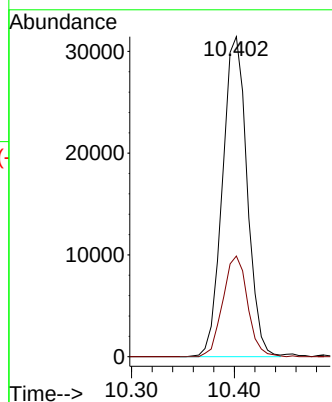
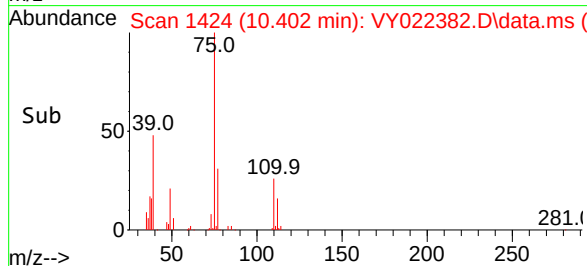
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



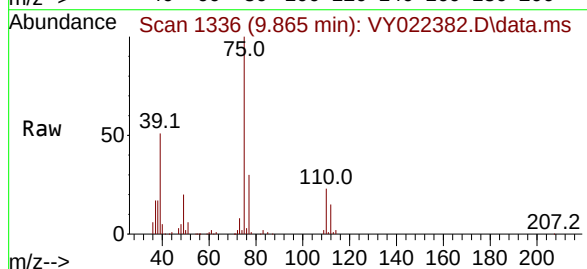
Tgt Ion: 75 Resp: 52289
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

Manual Integrations
APPROVED

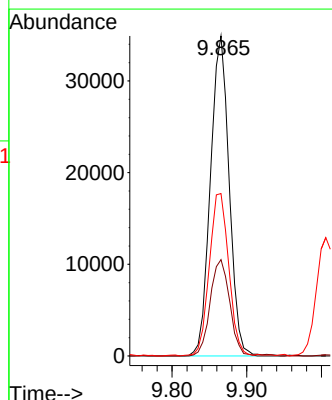
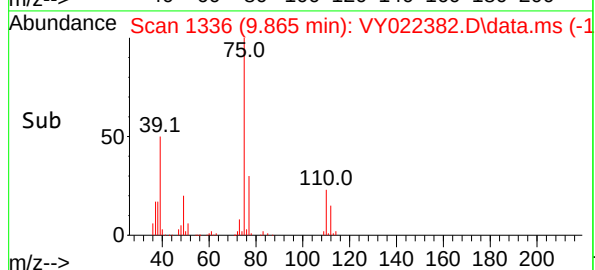
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

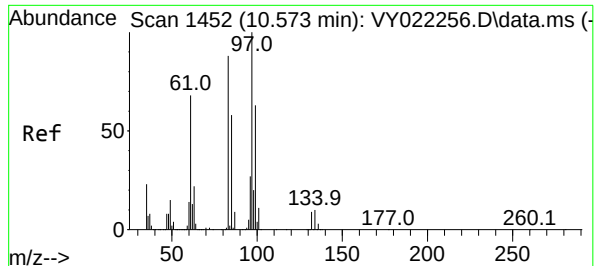


#54
cis-1,3-Dichloropropene
Concen: 18.806 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



Tgt Ion: 75 Resp: 60767
Ion Ratio Lower Upper
75 100
77 30.1 25.1 37.7
39 50.7 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 19.566 ug/l

RT: 10.579 min Scan# 1452

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 97 Resp: 27910

Ion Ratio Lower Upper

97 100

83 89.2 70.3 105.5

85 58.6 46.2 69.4

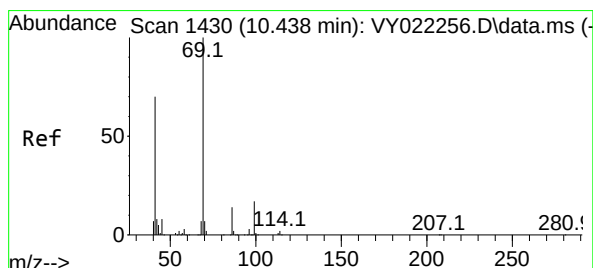
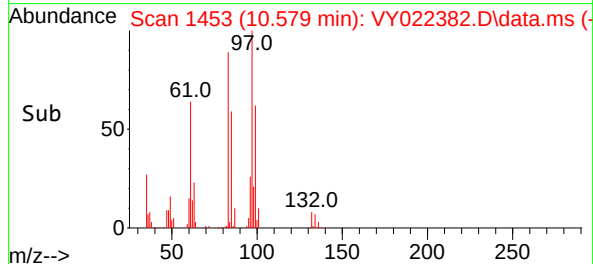
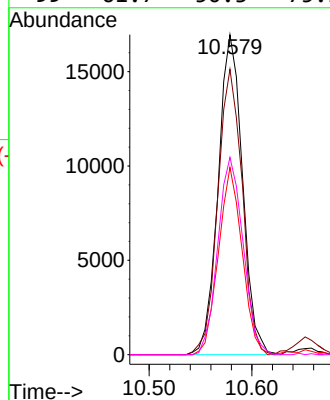
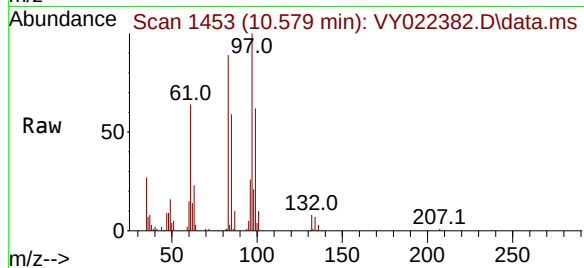
99 61.7 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#56

Ethyl methacrylate

Concen: 18.718 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

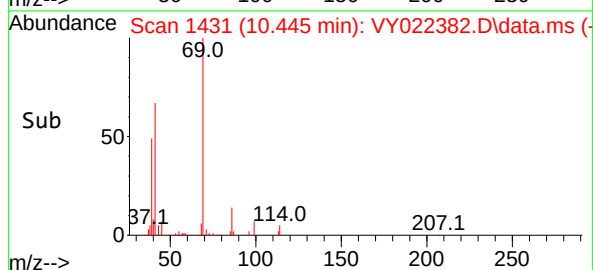
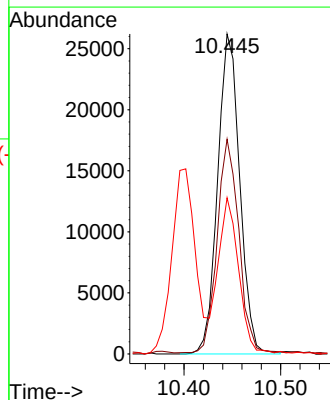
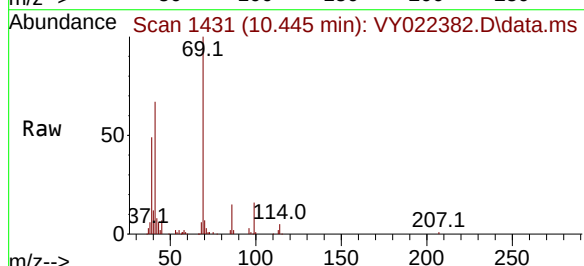
Tgt Ion: 69 Resp: 41592

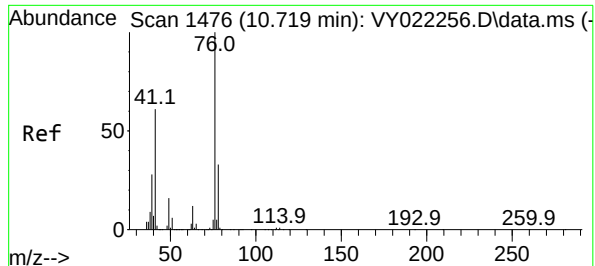
Ion Ratio Lower Upper

69 100

41 65.1 56.5 84.7

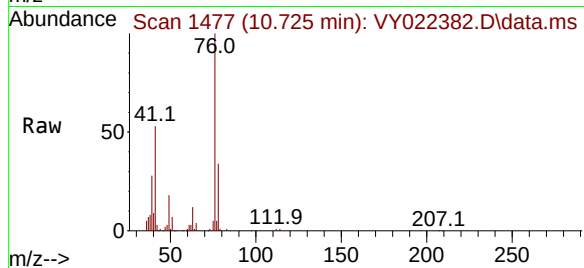
39 44.1 37.1 55.7





#57
1,3-Dichloropropane
Concen: 20.091 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

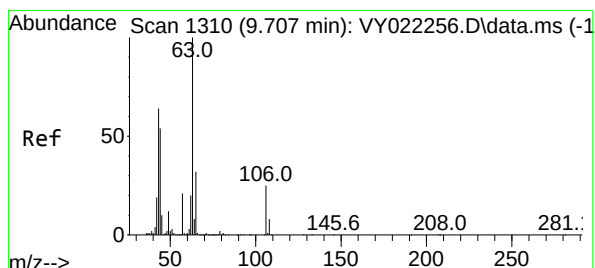
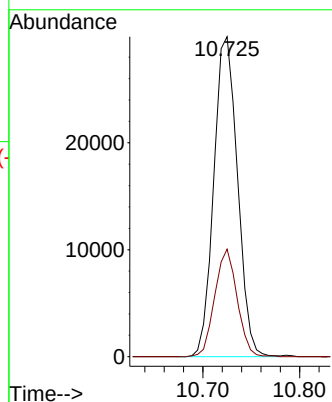
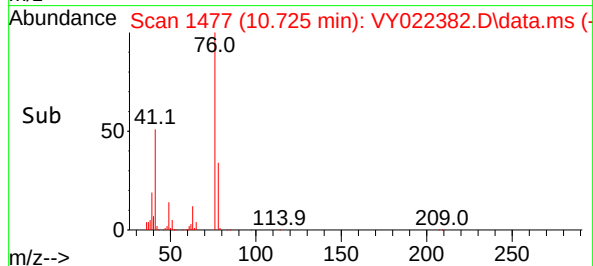
Instrument : MSVOA_Y
ClientSampleId : VY0522SBS01



Tgt Ion: 76 Resp: 5092
Ion Ratio Lower Upper
76 100
78 31.7 25.8 38.8

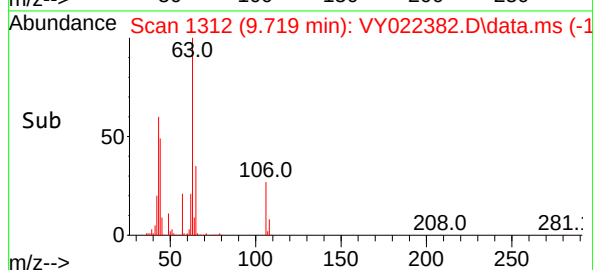
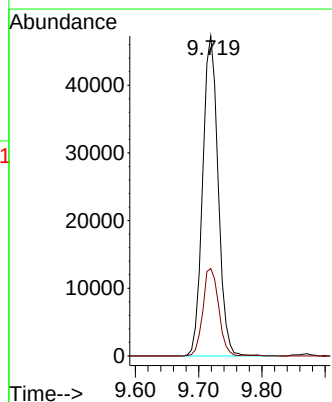
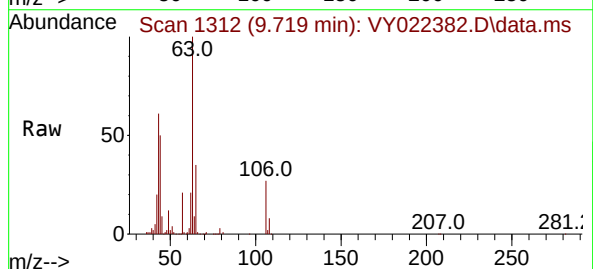
Manual Integrations
APPROVED

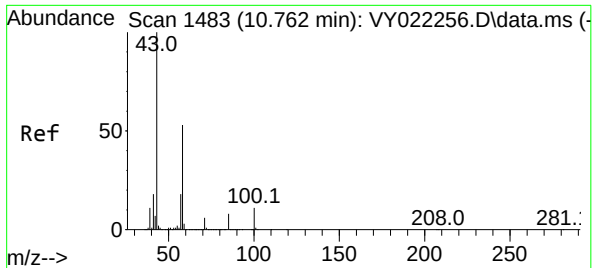
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 80.750 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

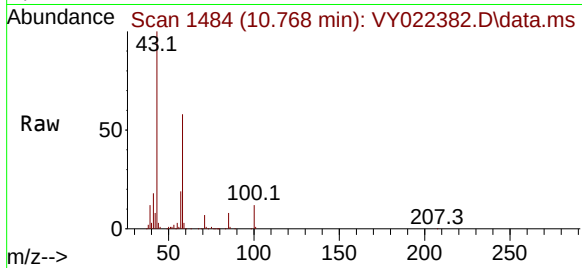
Tgt Ion: 63 Resp: 80535
Ion Ratio Lower Upper
63 100
106 27.9 21.0 31.4





#59
2-Hexanone
Concen: 89.478 ug/l
RT: 10.768 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

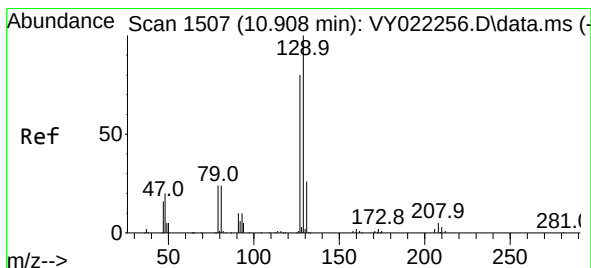
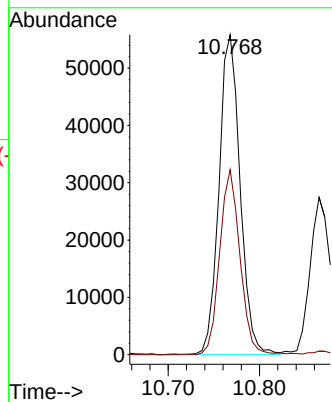
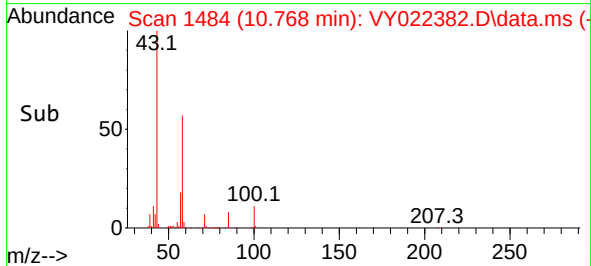
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion: 43 Resp: 8926
Ion Ratio Lower Upper
43 100
58 55.9 26.1 78.3

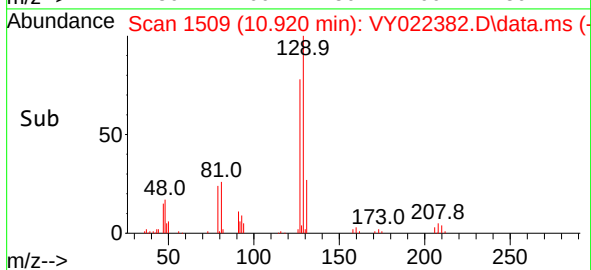
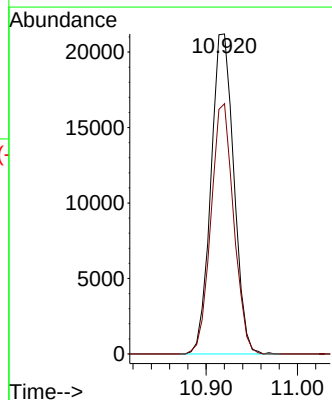
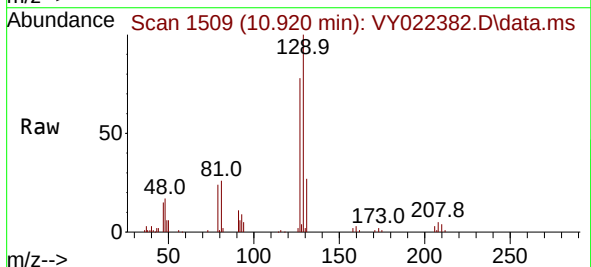
Manual Integrations
APPROVED

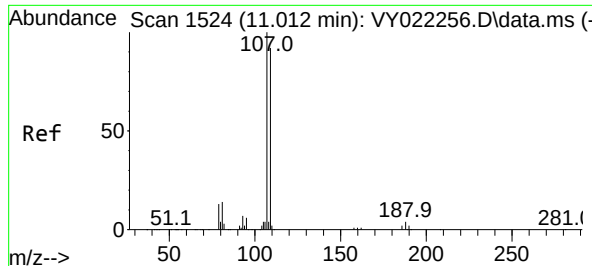
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#60
Dibromochloromethane
Concen: 19.947 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

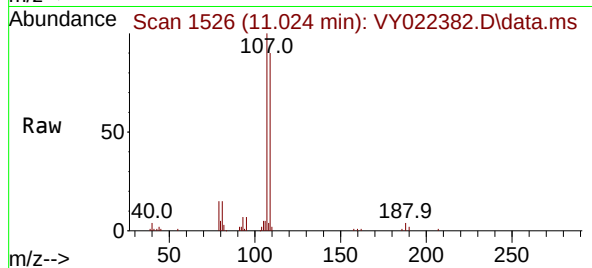
Tgt Ion:129 Resp: 36931
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7





#61
1,2-Dibromoethane
Concen: 19.596 ug/l
RT: 11.024 min Scan# 1524
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

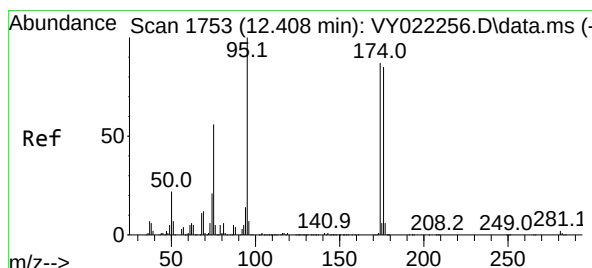
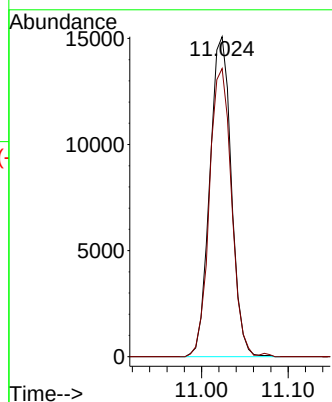
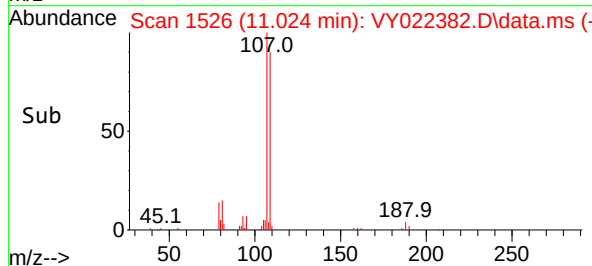
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion: 107 Resp: 2605
Ion Ratio Lower Upper
107 100
109 92.2 74.6 111.8

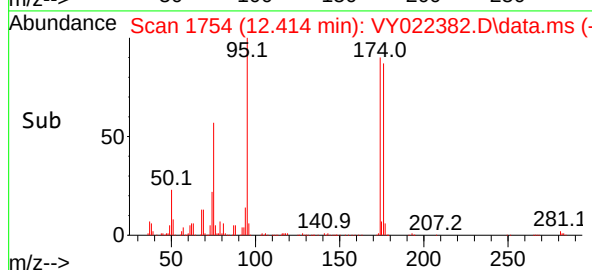
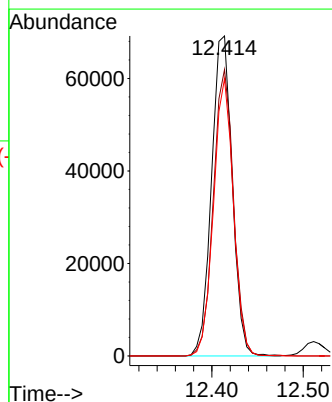
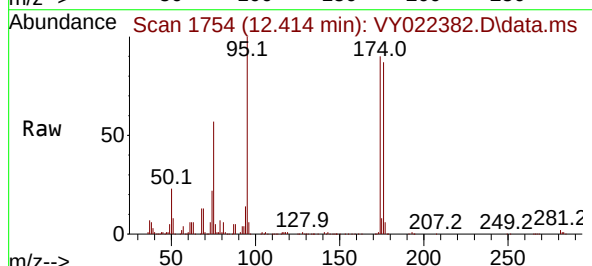
Manual Integrations
APPROVED

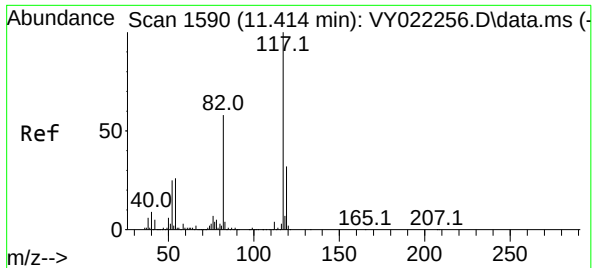
Reviewed By : John Carlone 05/23/2025
Supervised By : Mahesh Dadoda 05/23/2025



#62
4-Bromofluorobenzene
Concen: 47.724 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

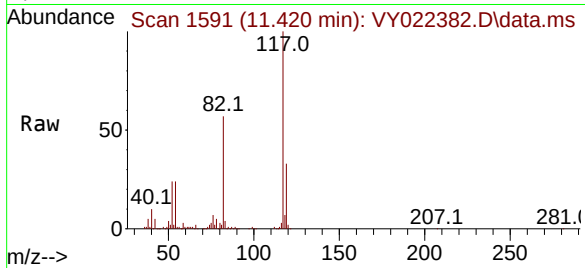
Tgt Ion: 95 Resp: 108691
Ion Ratio Lower Upper
95 100
174 87.4 0.0 166.8
176 83.4 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

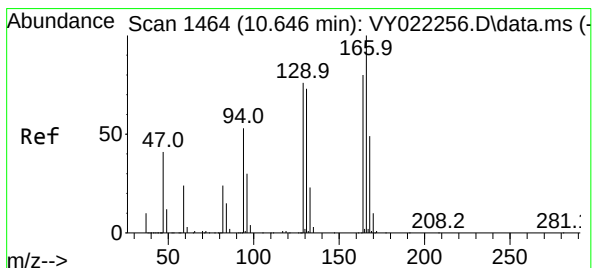
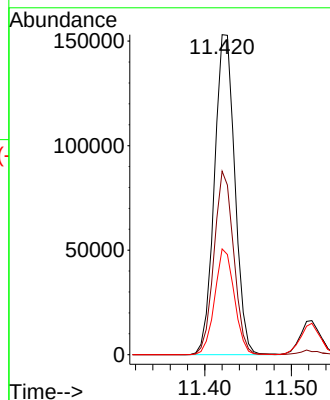
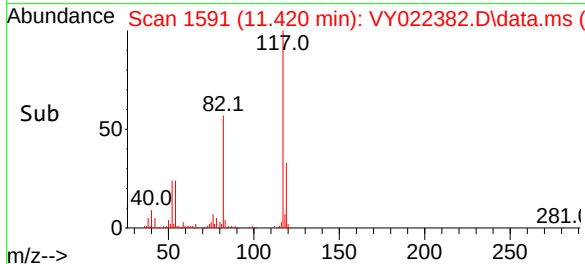
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



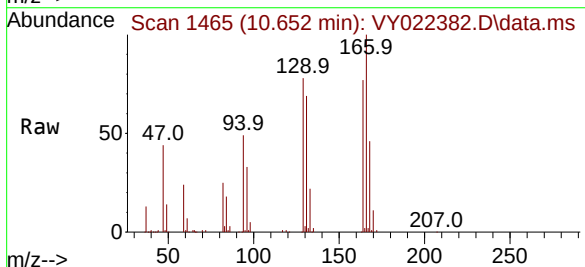
Tgt Ion:117 Resp: 25084
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 33.0 25.8 38.6

Manual Integrations
APPROVED

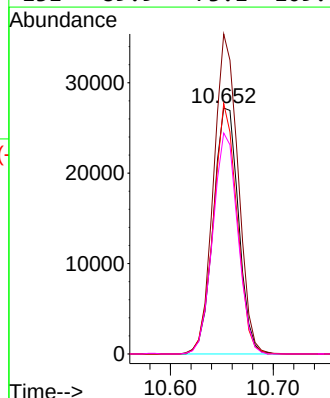
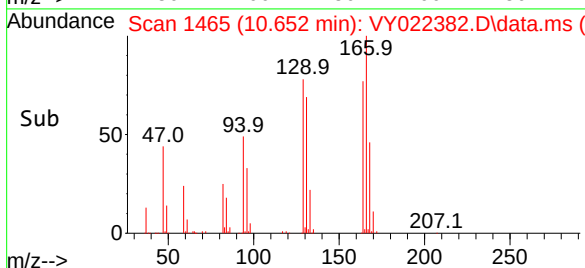
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

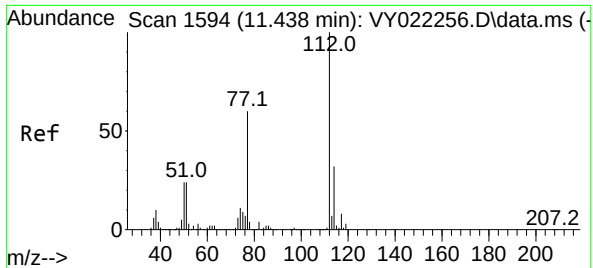


#64
Tetrachloroethene
Concen: 19.928 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



Tgt Ion:164 Resp: 46204
Ion Ratio Lower Upper
164 100
166 130.1 100.4 150.6
129 101.8 76.4 114.6
131 89.9 73.1 109.7





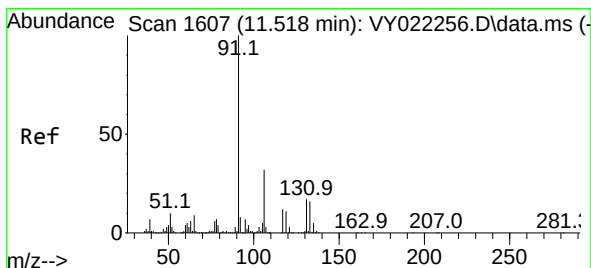
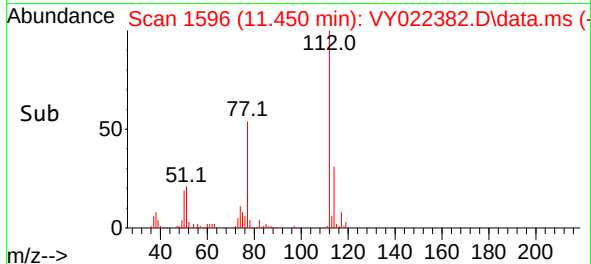
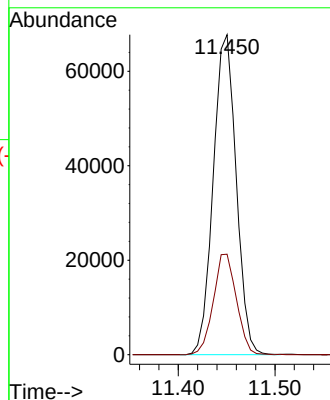
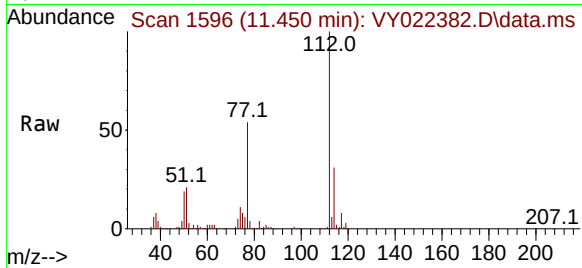
#65
Chlorobenzene
Concen: 19.735 ug/l
RT: 11.450 min Scan# 11168
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Tgt Ion:112 Resp: 11168
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

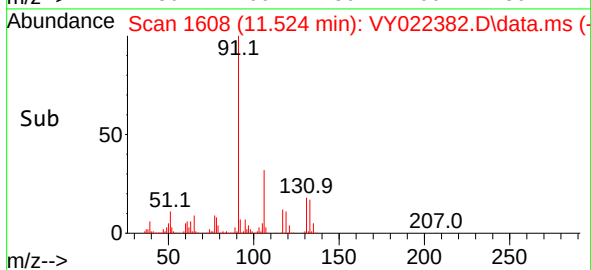
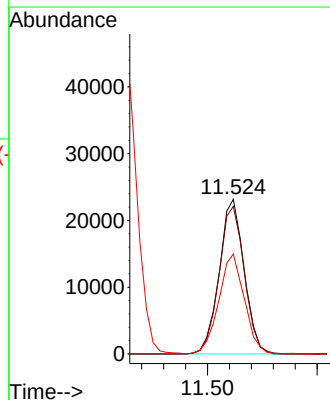
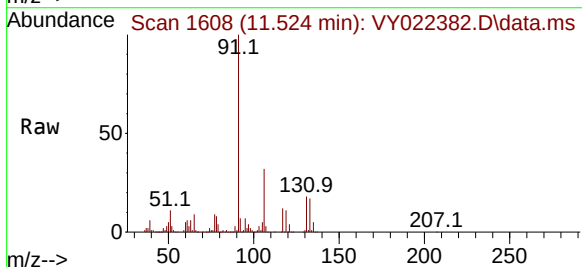
Manual Integrations
APPROVED

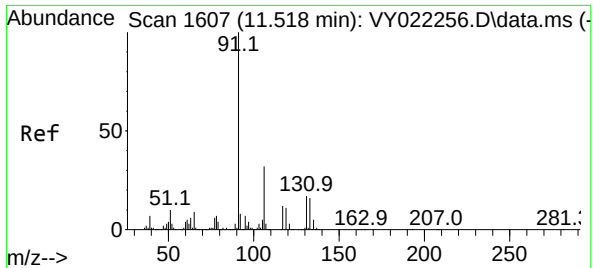
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.757 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

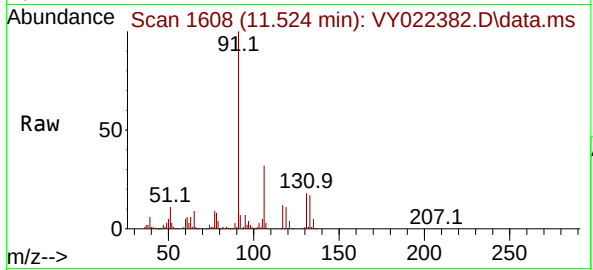
Tgt Ion:131 Resp: 36492
Ion Ratio Lower Upper
131 100
133 97.0 47.3 141.9
119 66.5 33.1 99.2





#67
Ethyl Benzene
Concen: 18.720 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

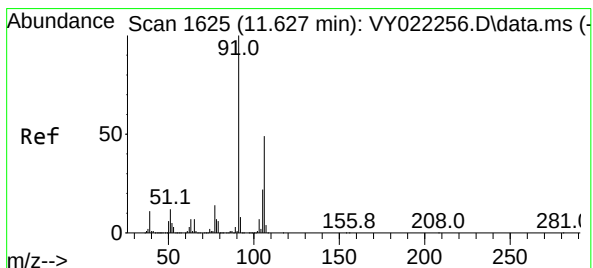
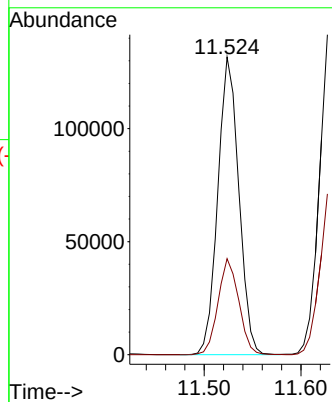
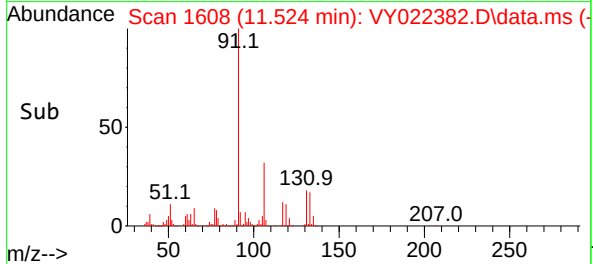
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



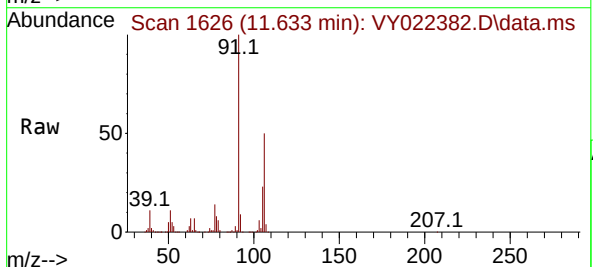
Tgt Ion: 91 Resp: 19841
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

Manual Integrations
APPROVED

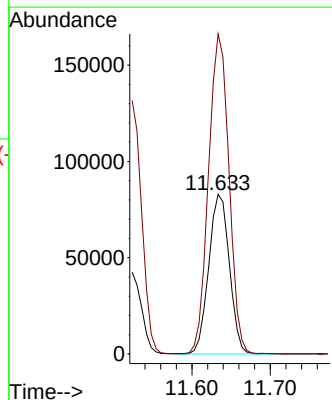
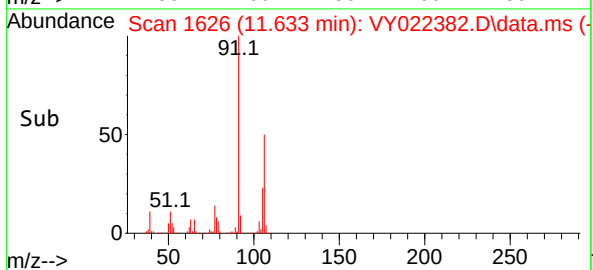
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

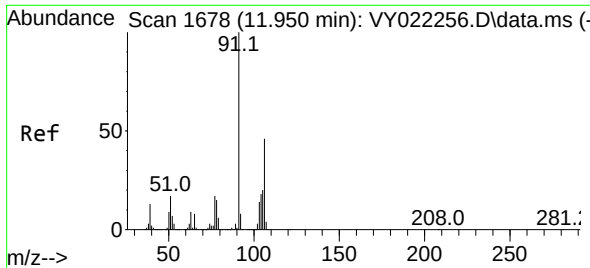


#68
m/p-Xylenes
Concen: 37.987 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



Tgt Ion:106 Resp: 151710
Ion Ratio Lower Upper
106 100
91 199.2 163.0 244.4





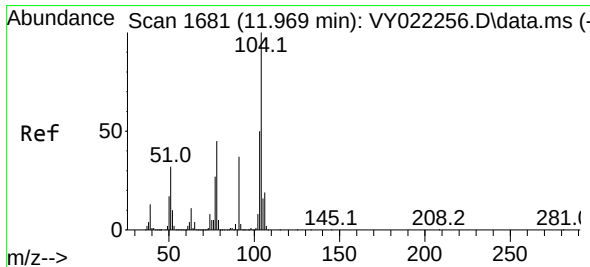
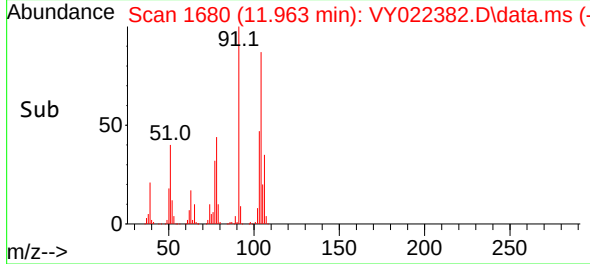
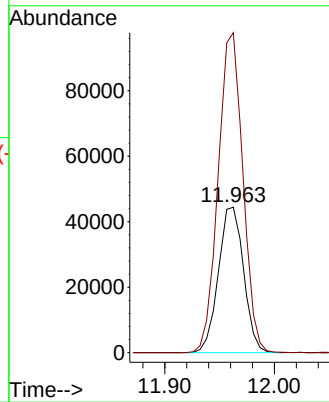
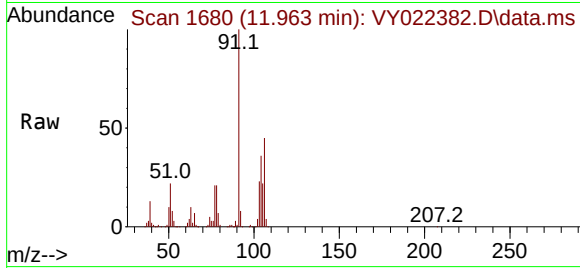
#69
o-Xylene
Concen: 18.827 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Tgt Ion:106 Resp: 71140
Ion Ratio Lower Upper
106 100
91 215.8 108.3 324.8

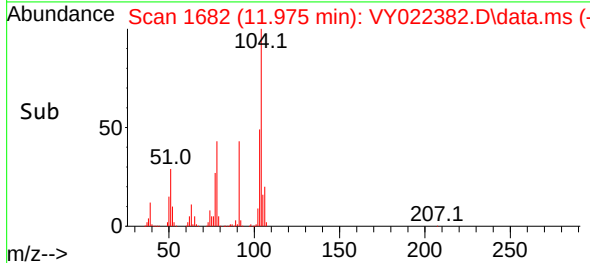
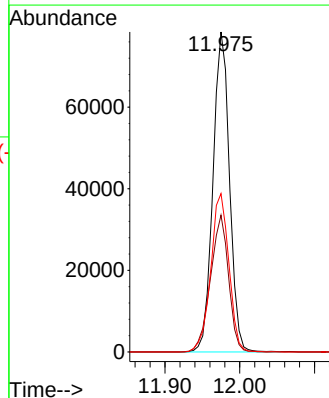
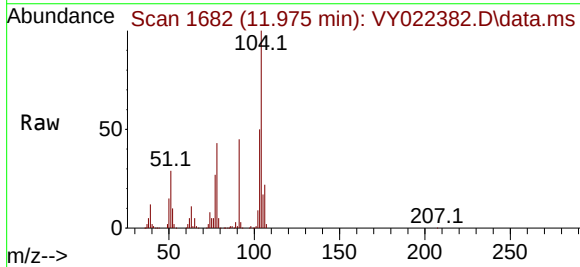
Manual Integrations
APPROVED

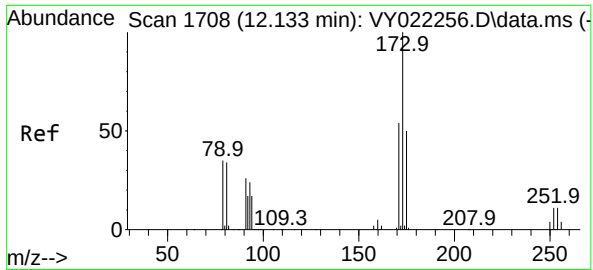
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
Styrene
Concen: 18.995 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

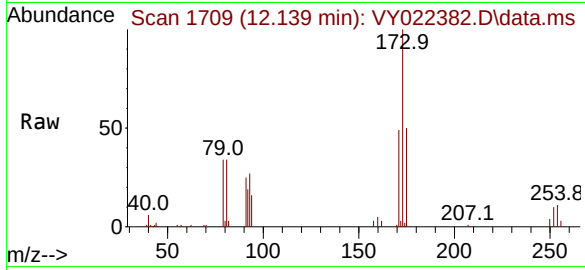
Tgt Ion:104 Resp: 121069
Ion Ratio Lower Upper
104 100
78 46.7 40.9 61.3
103 54.1 43.7 65.5





#71
Bromoform
Concen: 19.208 ug/l
RT: 12.139 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

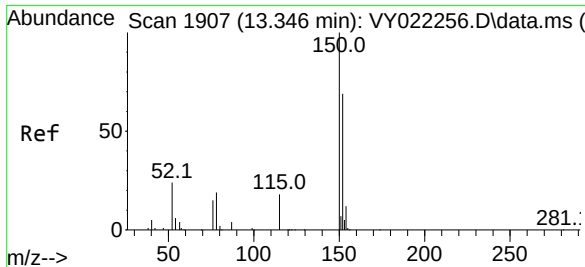
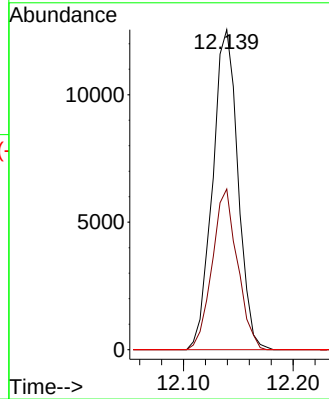
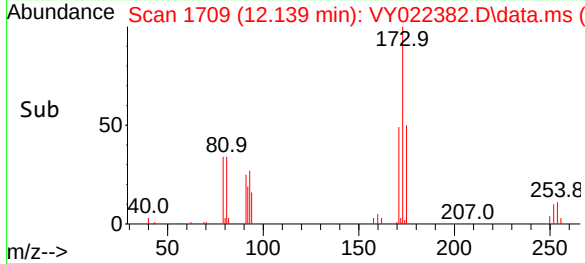
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



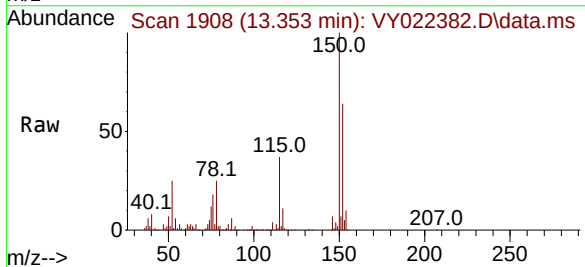
Tgt Ion:173 Resp: 2017
Ion Ratio Lower Upper
173 100
175 50.0 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

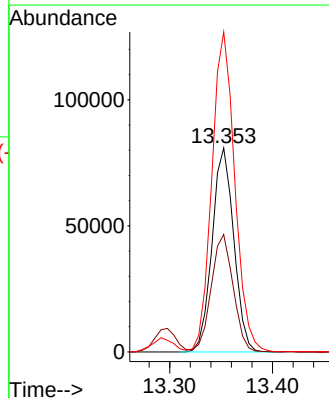
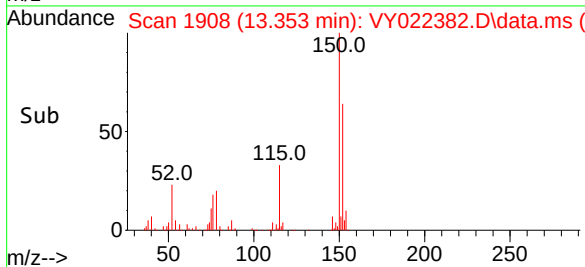
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

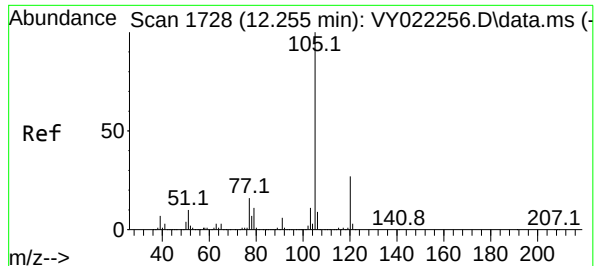


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



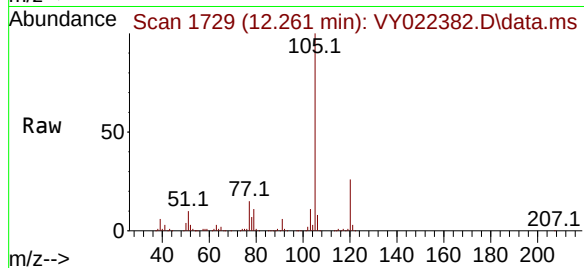
Tgt Ion:152 Resp: 118480
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.2
150 165.6 0.0 353.8





#73
Isopropylbenzene
Concen: 19.302 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

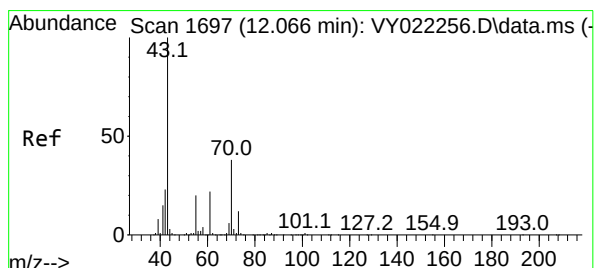
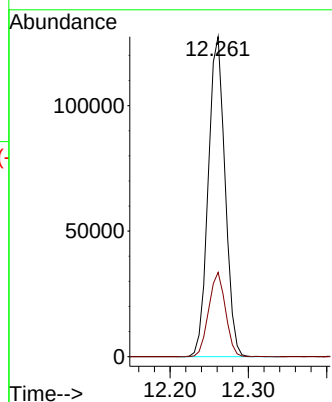
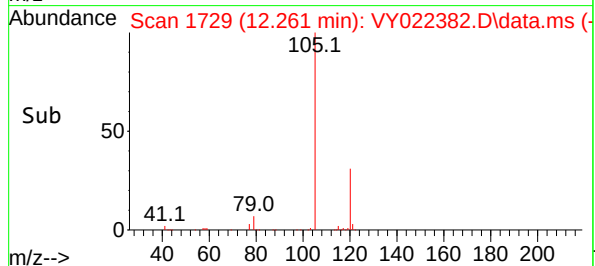
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



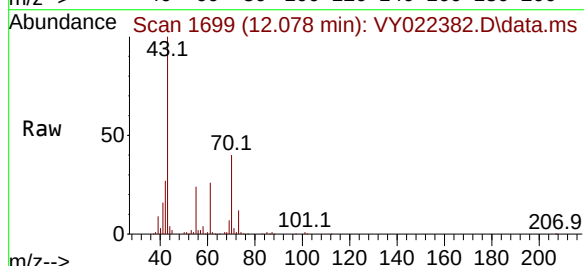
Tgt Ion:105 Resp: 189456
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6

Manual Integrations
APPROVED

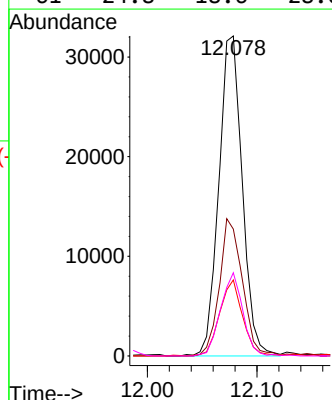
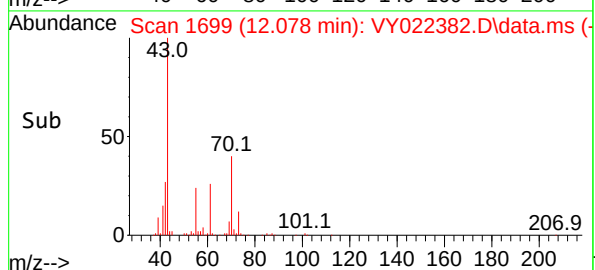
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

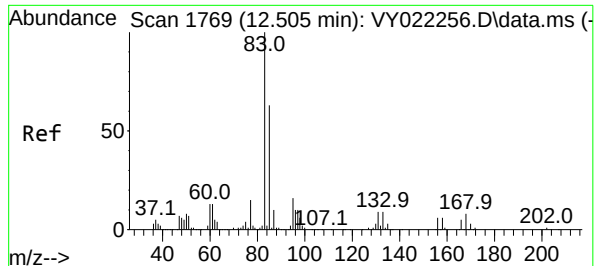


#74
N-ethyl acetate
Concen: 17.019 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



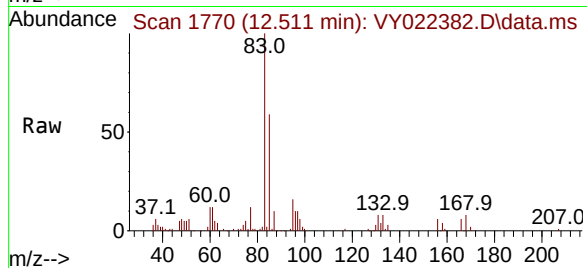
Tgt Ion: 43 Resp: 47777
Ion Ratio Lower Upper
43 100
70 42.2 31.4 47.0
55 23.4 17.0 25.6
61 24.8 18.6 28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 19.845 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

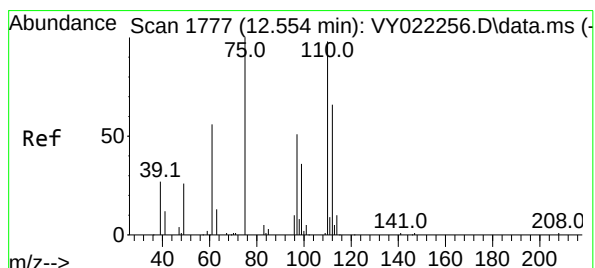
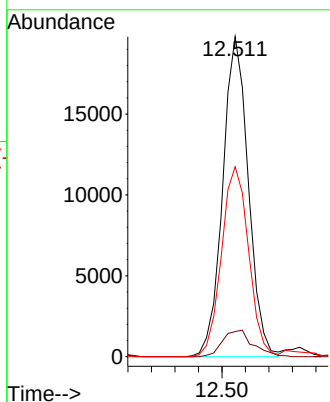
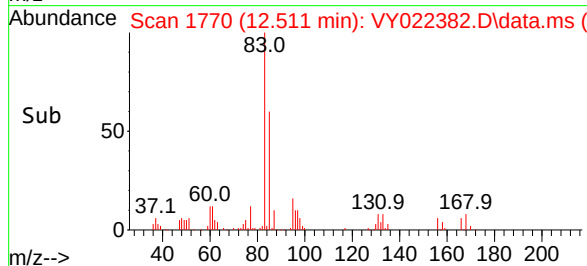
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



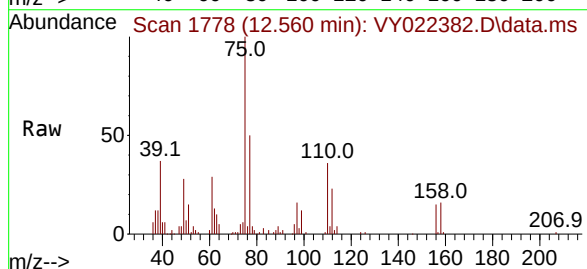
Tgt Ion: 83 Resp: 2995
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 62.6 32.0 96.0

Manual Integrations
APPROVED

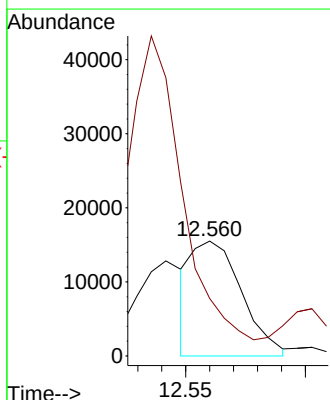
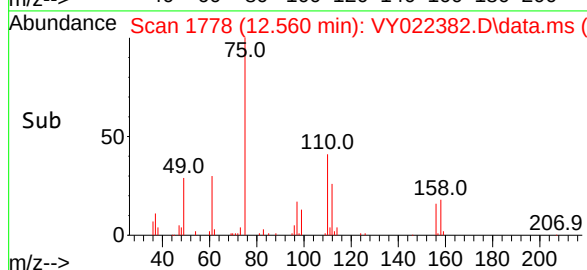
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

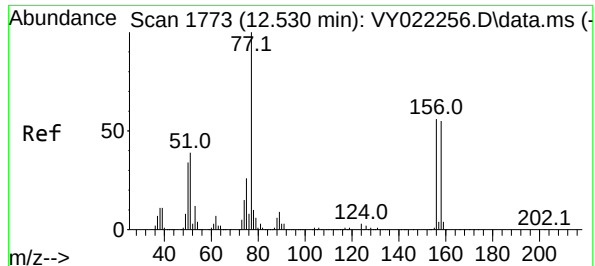


#76
1,2,3-Trichloropropane
Concen: 18.877 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36



Tgt Ion: 75 Resp: 22658
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.881 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

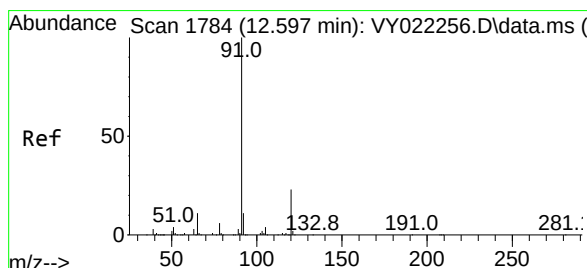
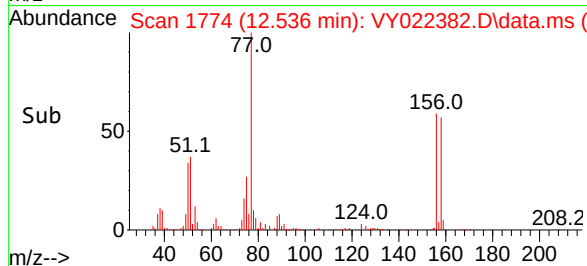
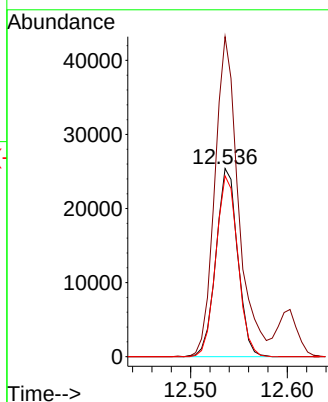
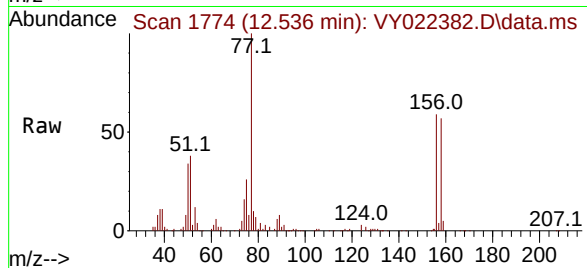
Tgt Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.5	283.6
158	97.4	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#78

n-propylbenzene

Concen: 19.375 ug/l

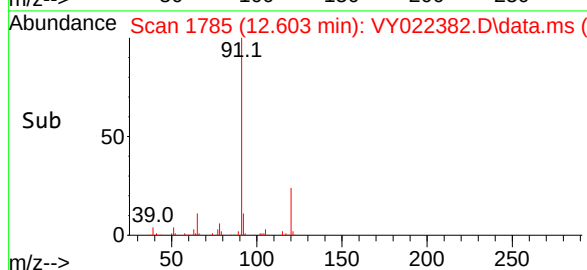
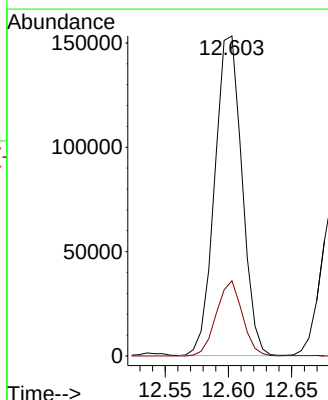
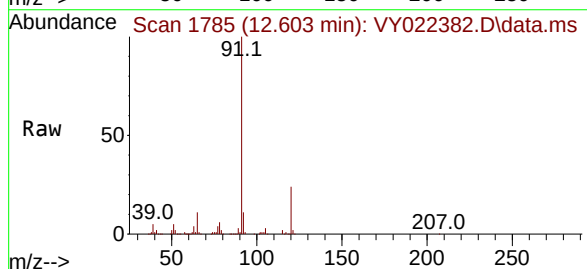
RT: 12.603 min Scan# 1785

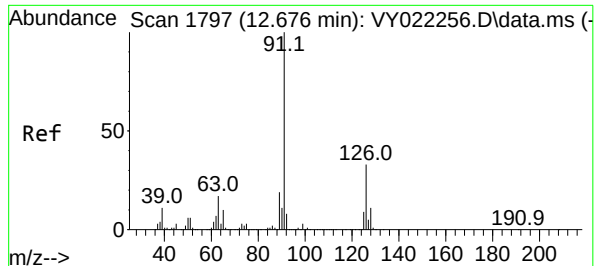
Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.594 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 91 Resp: 120979

Ion Ratio Lower Upper

91 100

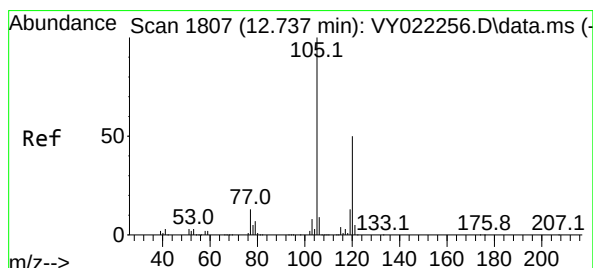
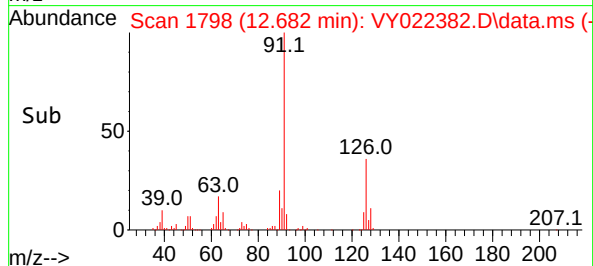
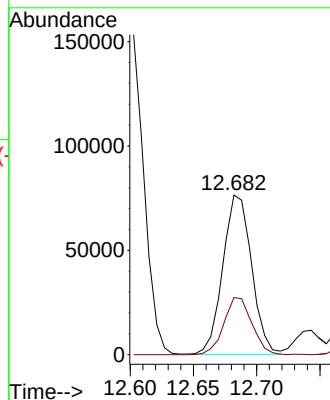
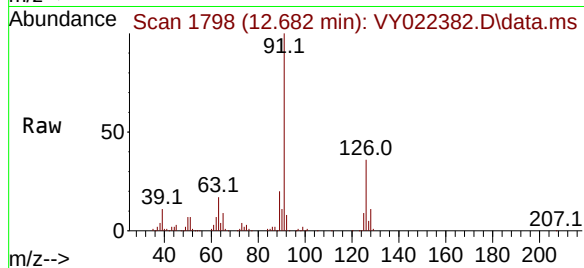
126 35.0 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.859 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022382.D

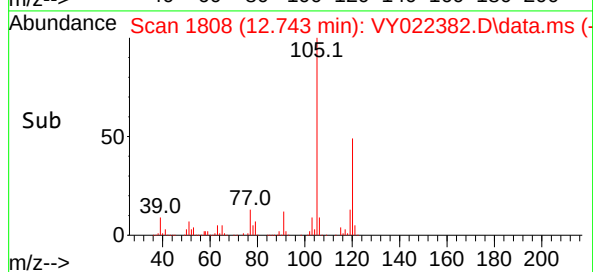
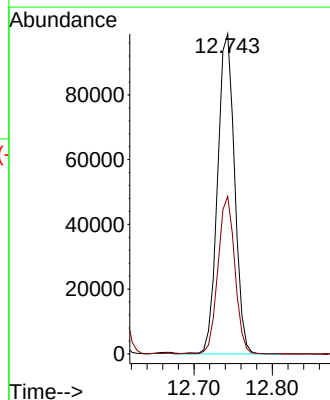
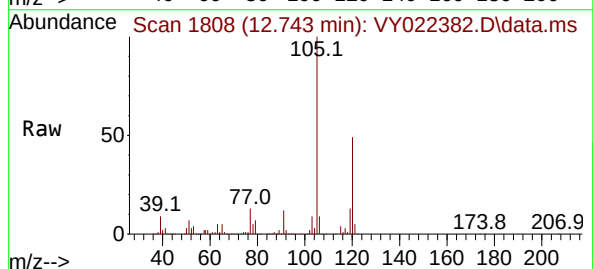
Acq: 22 May 2025 09:36

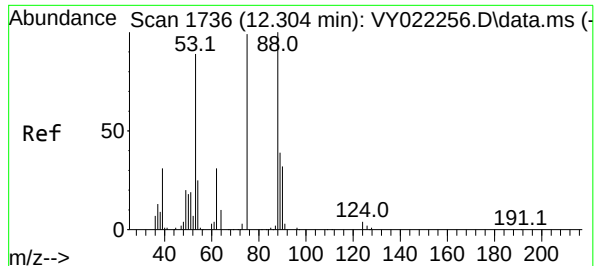
Tgt Ion:105 Resp: 149426

Ion Ratio Lower Upper

105 100

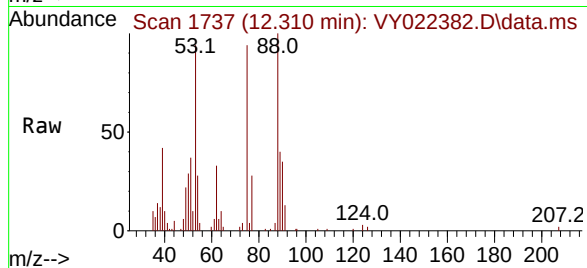
120 48.8 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.950 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

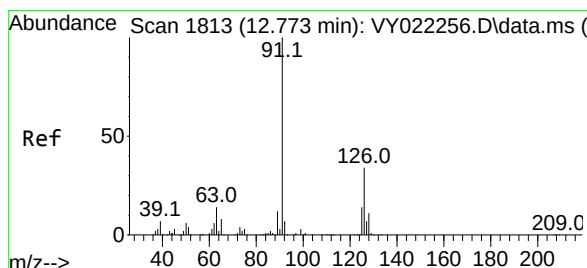
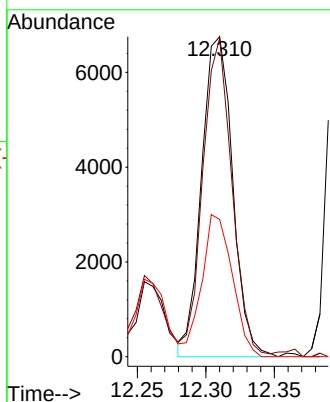
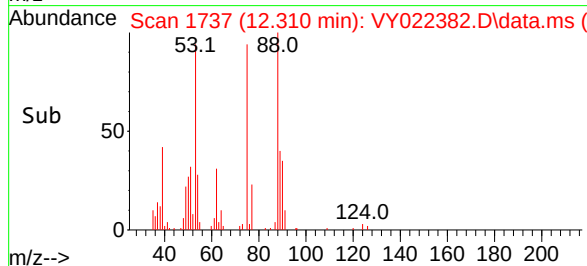
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion: 75 Resp: 10630
Ion Ratio Lower Upper
75 100
53 91.8 75.8 113.8
89 44.0 36.2 54.2

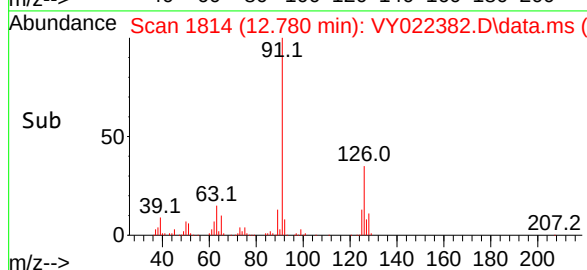
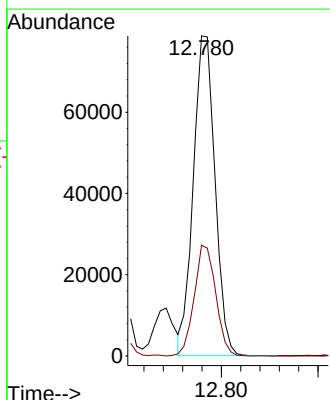
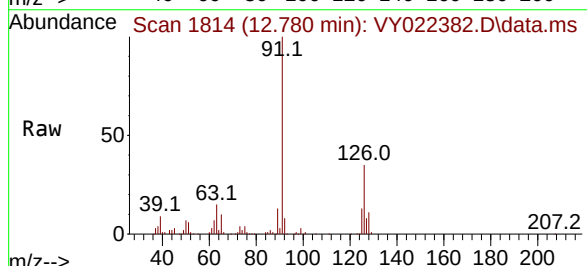
Manual Integrations
APPROVED

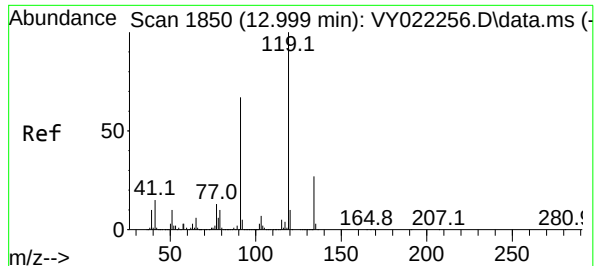
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#82
4-Chlorotoluene
Concen: 18.386 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 123043
Ion Ratio Lower Upper
91 100
126 34.4 16.8 50.4





#83

tert-Butylbenzene

Concen: 19.156 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion:119 Resp: 134904

Ion Ratio Lower Upper

119 100

91 62.6 32.8 98.3

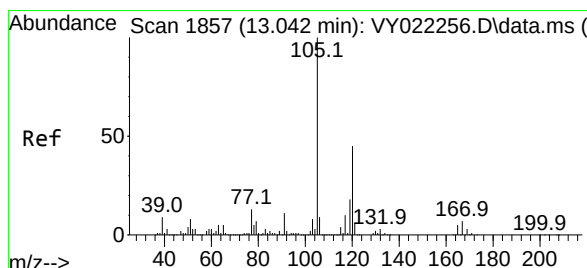
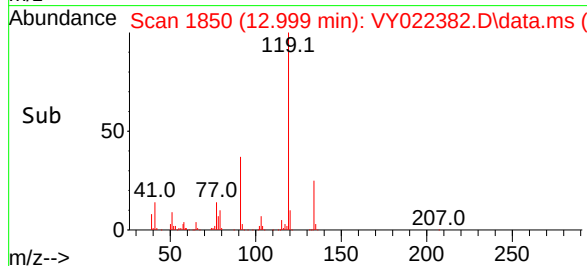
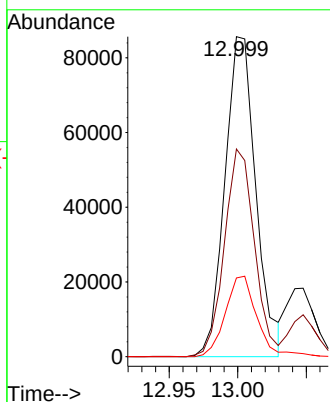
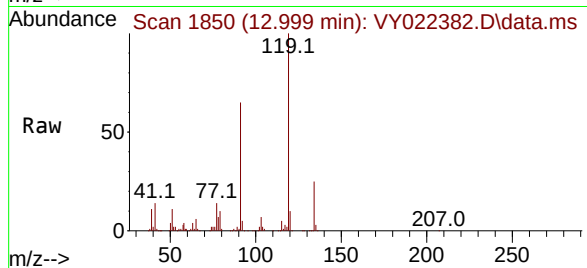
134 25.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 18.771 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022382.D

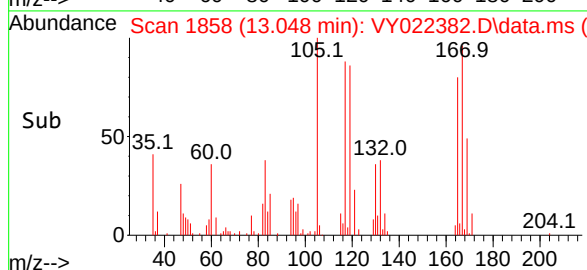
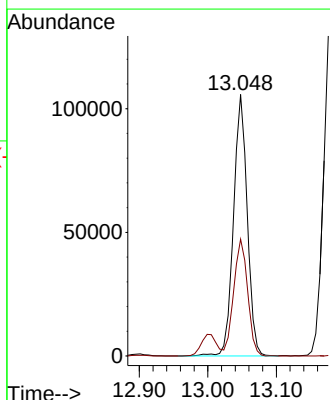
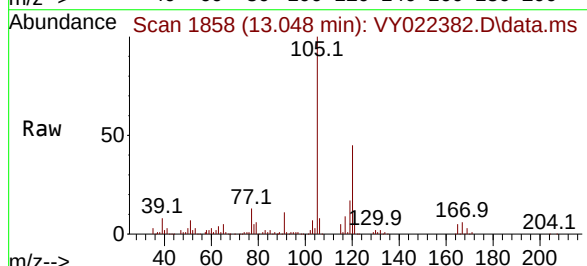
Acq: 22 May 2025 09:36

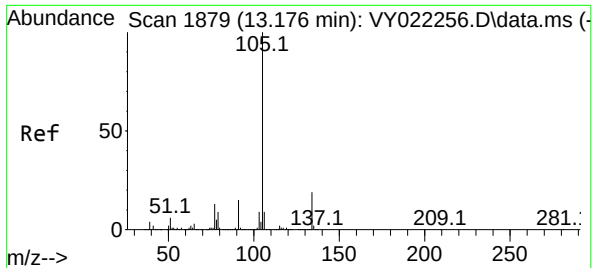
Tgt Ion:105 Resp: 147645

Ion Ratio Lower Upper

105 100

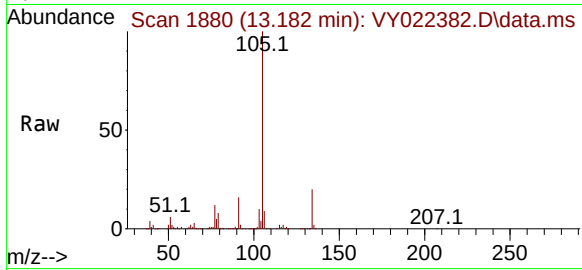
120 45.1 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 19.368 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022382.D
 Acq: 22 May 2025 09:36

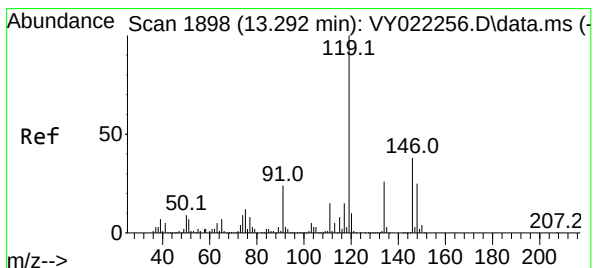
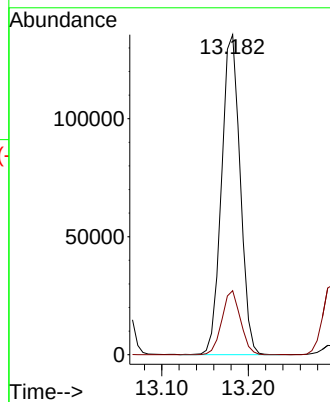
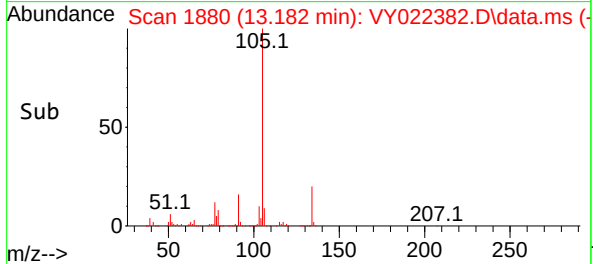
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01



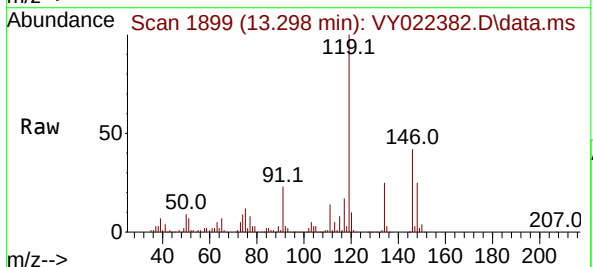
Tgt Ion:105 Resp: 202478
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5

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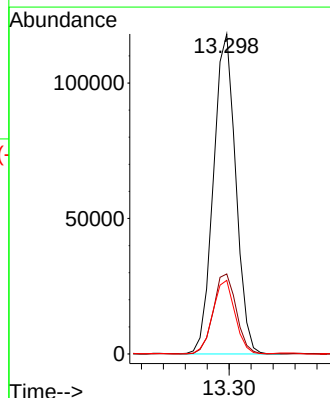
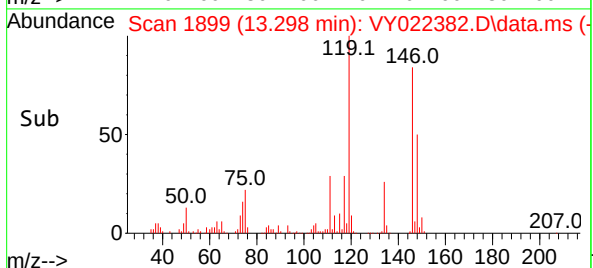
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

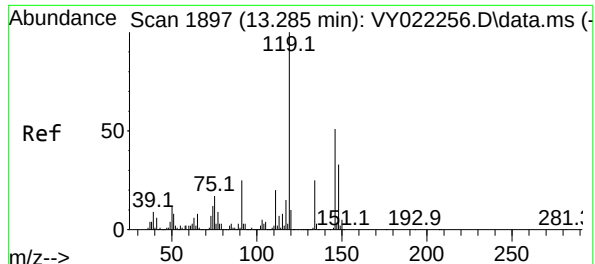


#86
 p-Isopropyltoluene
 Concen: 18.977 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022382.D
 Acq: 22 May 2025 09:36



Tgt Ion:119 Resp: 166855
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 22.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.857 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion:146 Resp: 8070

Ion Ratio Lower Upper

146 100

111 37.5 19.9 59.7

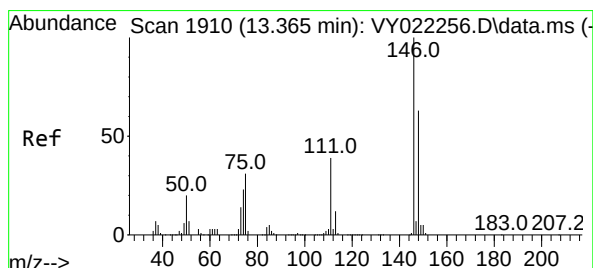
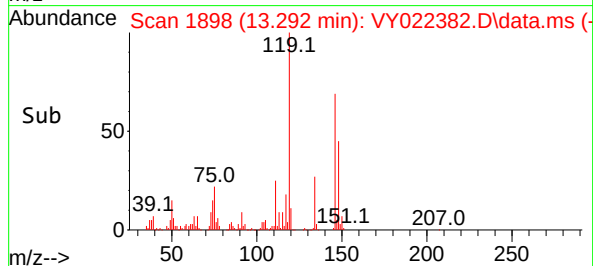
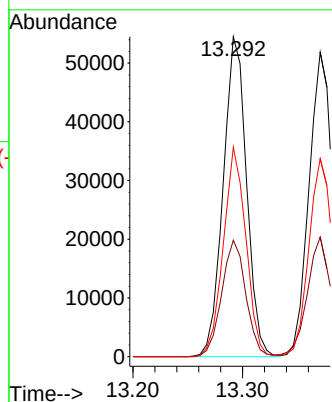
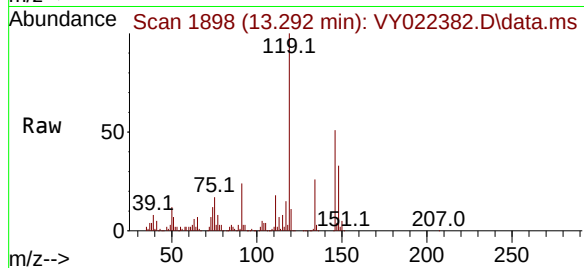
148 63.3 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#88

1,4-Dichlorobenzene

Concen: 18.995 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

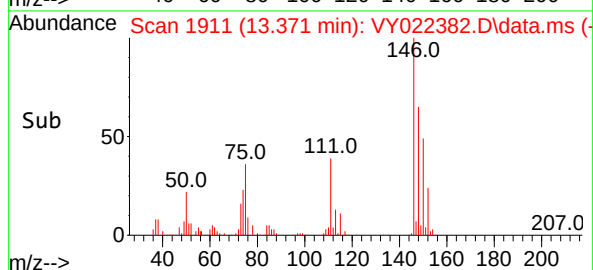
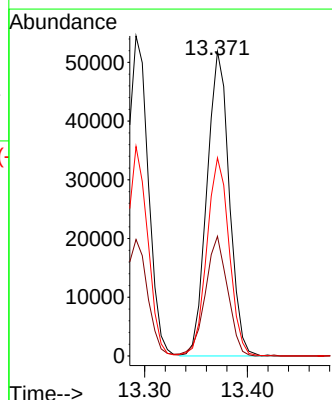
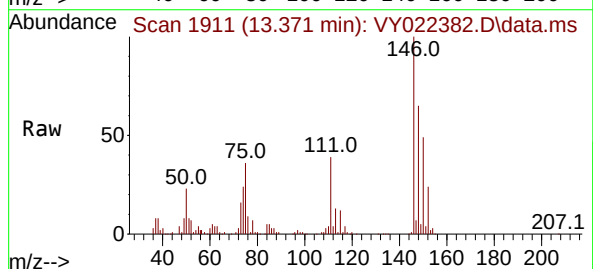
Tgt Ion:146 Resp: 78194

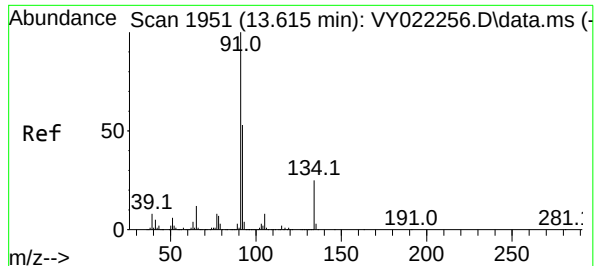
Ion Ratio Lower Upper

146 100

111 39.3 20.0 59.9

148 65.2 32.1 96.5





#89

n-Butylbenzene

Concen: 19.260 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 91 Resp: 160200

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

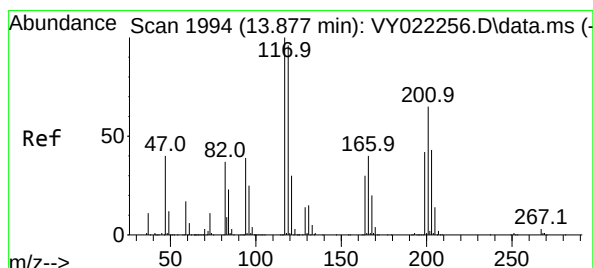
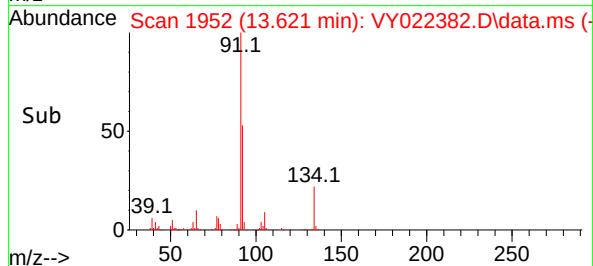
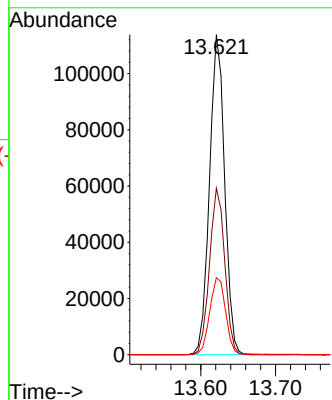
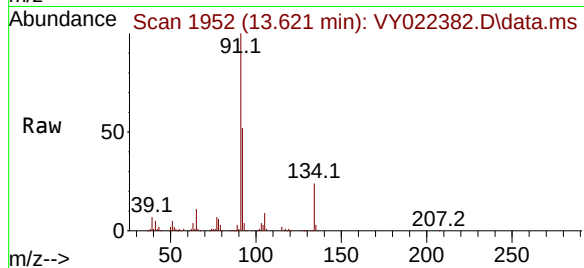
134 25.1 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#90

Hexachloroethane

Concen: 19.127 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022382.D

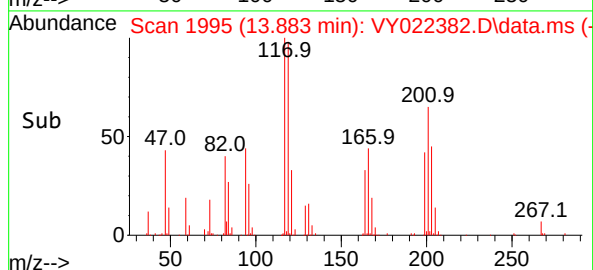
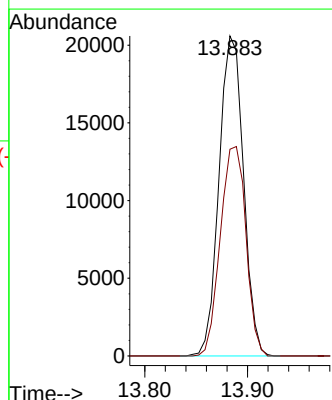
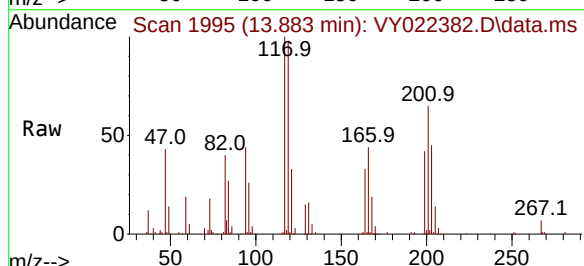
Acq: 22 May 2025 09:36

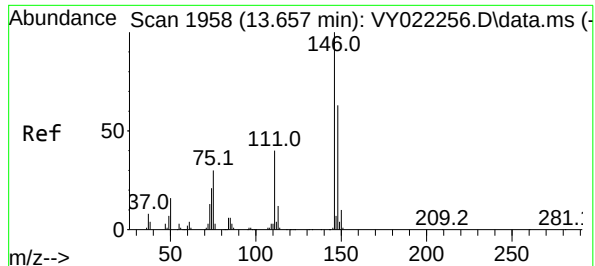
Tgt Ion:117 Resp: 33947

Ion Ratio Lower Upper

117 100

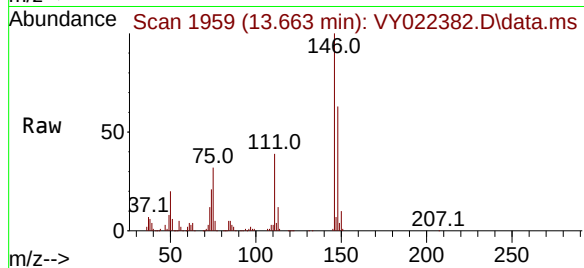
201 68.7 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 19.098 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

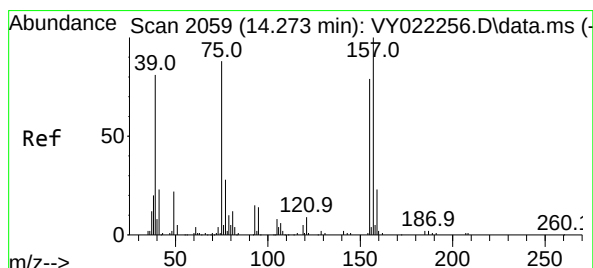
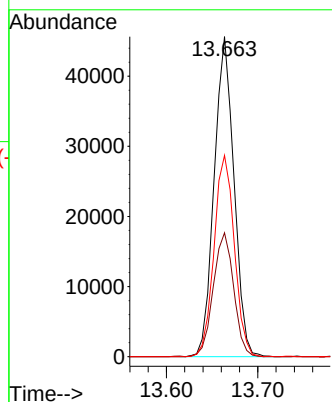
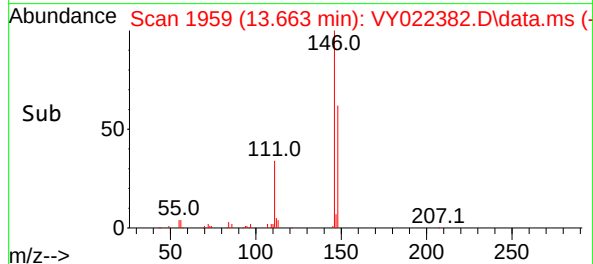
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



Tgt Ion:146 Resp: 68652
Ion Ratio Lower Upper
146 100
111 39.9 20.5 61.5
148 64.6 32.0 96.0

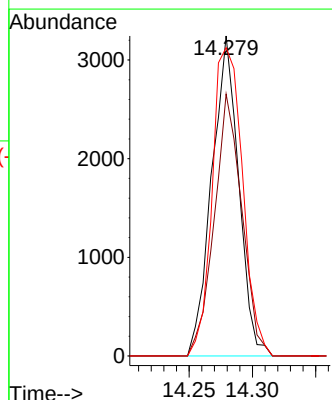
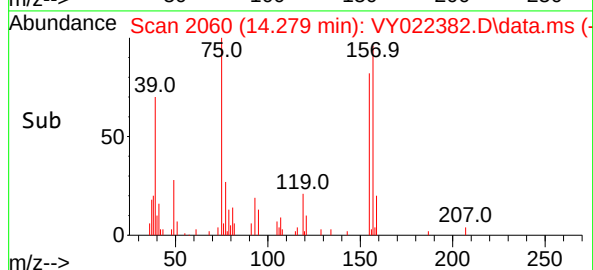
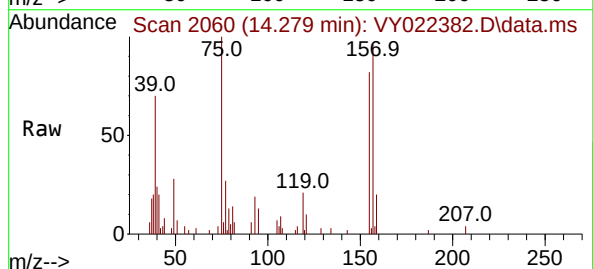
Manual Integrations
APPROVED

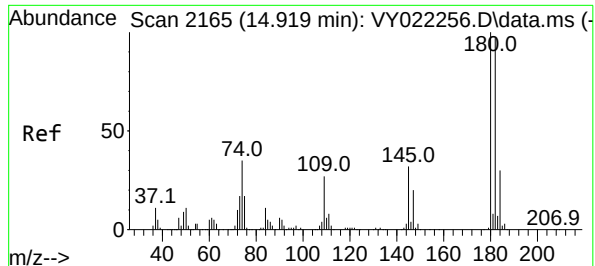
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.637 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 4780
Ion Ratio Lower Upper
75 100
155 84.1 43.4 130.1
157 109.0 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.482 ug/l

RT: 14.925 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion:180 Resp: 4045

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.0

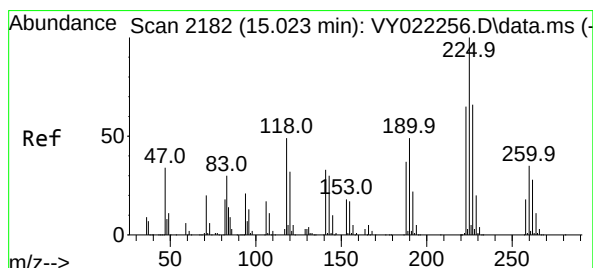
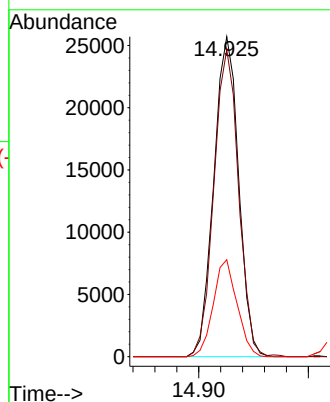
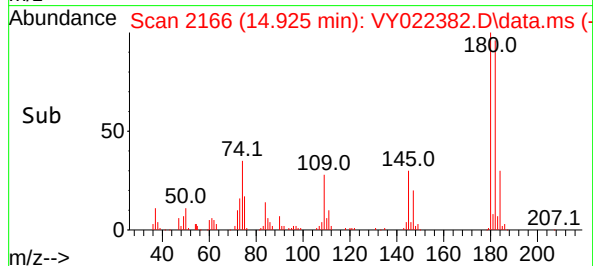
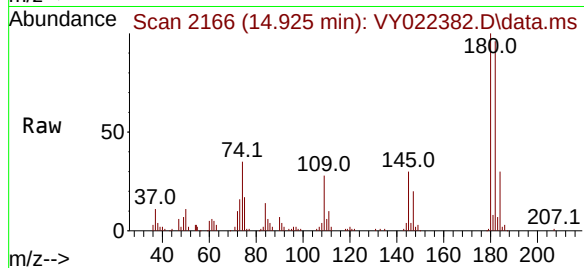
145 29.0 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#94

Hexachlorobutadiene

Concen: 18.766 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

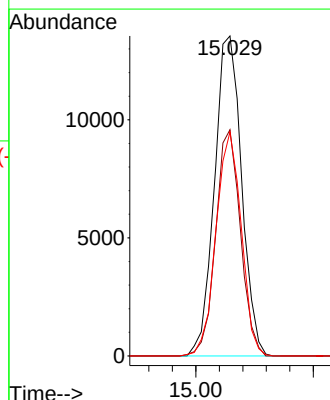
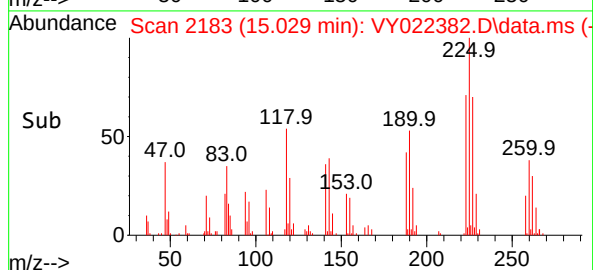
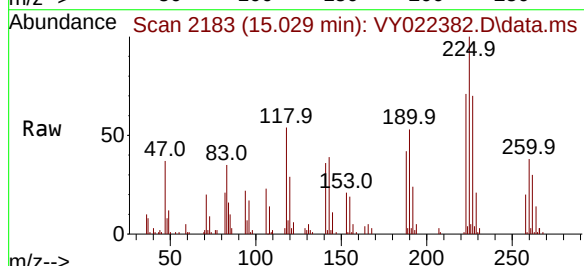
Tgt Ion:225 Resp: 21731

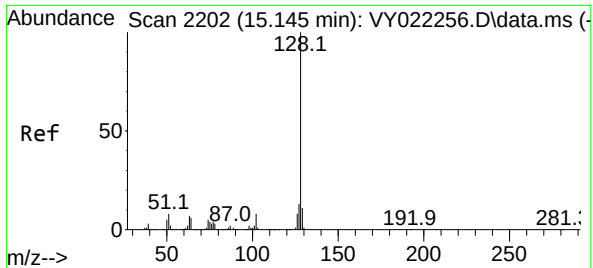
Ion Ratio Lower Upper

225 100

223 64.6 31.5 94.5

227 65.1 32.1 96.3





#95

Naphthalene

Concen: 19.368 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

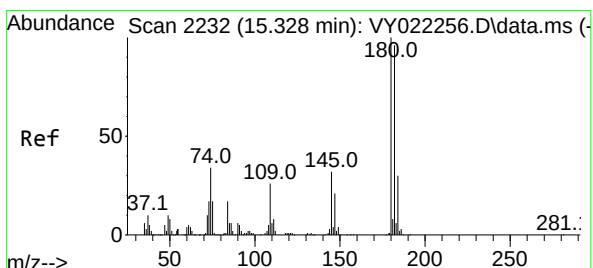
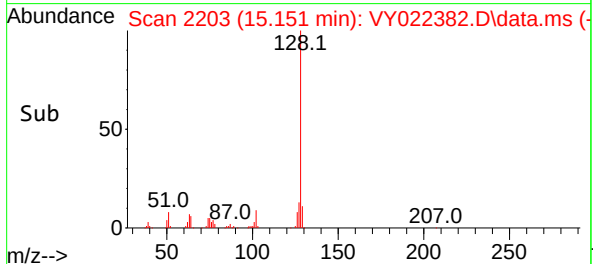
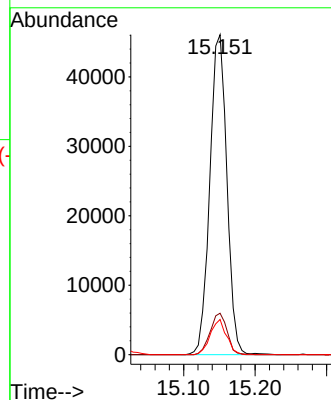
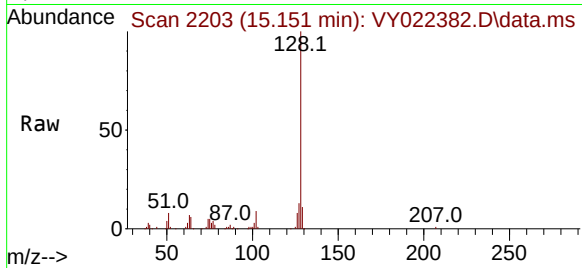
Tgt Ion:	128	Resp:	76320
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.191 ug/l

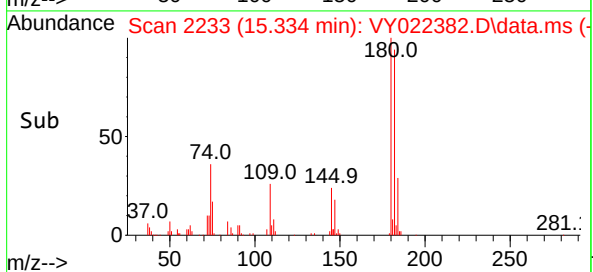
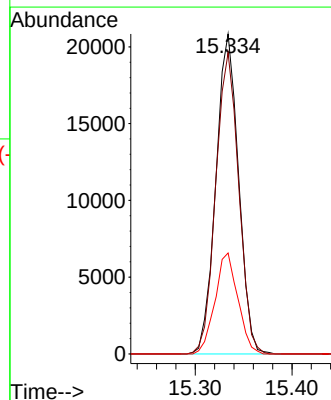
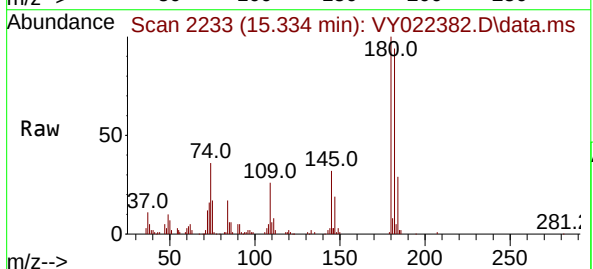
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022382.D

Acq: 22 May 2025 09:36

Tgt Ion:	180	Resp:	33805
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.3
145	31.9	15.9	47.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0523SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0523SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022409.D	1		05/23/25 16:28	VY052325

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	24.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	25.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	34.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	27.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	15.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.8		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0523SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0523SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022409.D	1		05/23/25 16:28	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.5		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	40.6		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	20.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.5		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		38 - 136	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.713			
540-36-3	1,4-Difluorobenzene	365000	8.621			
3114-55-4	Chlorobenzene-d5	306000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.352			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0523SBS01	SDG No.:	Q2100
Lab Sample ID:	VY0523SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022409.D	1		05/23/25 16:28	VY052325

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\VY052325\
 Data File : VY022409.D
 Acq On : 23 May 2025 16:28
 Operator : SY/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	220484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	365163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	141917	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122214	50.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.440%	
35) Dibromofluoromethane	7.646	113	116726	53.556	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.115	98	477724	53.519	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.040%	
62) 4-Bromofluorobenzene	12.407	95	137951	48.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.520%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	47450	20.625	ug/l	98
3) Chloromethane	2.068	50	116162	24.002	ug/l	97
4) Vinyl Chloride	2.208	62	136097	25.171	ug/l	96
5) Bromomethane	2.598	94	152048	34.544	ug/l	99
6) Chloroethane	2.738	64	91246	27.126	ug/l	98
7) Trichlorofluoromethane	3.055	101	125355	22.899	ug/l	98
8) Diethyl Ether	3.458	74	26297	20.016	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.817	101	54194	22.803	ug/l	98
10) Methyl Iodide	4.006	142	50705	18.434	ug/l	99
11) Tert butyl alcohol	4.884	59	18052	98.102	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	52119	22.099	ug/l	91
13) Acrolein	3.659	56	14247	52.961	ug/l	97
14) Allyl chloride	4.391	41	72531	17.539	ug/l	92
15) Acrylonitrile	5.073	53	53818	99.417	ug/l	99
16) Acetone	3.885	43	64882	143.598	ug/l	96
17) Carbon Disulfide	4.116	76	153044	19.900	ug/l	96
18) Methyl Acetate	4.403	43	22419	15.737	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	130694	20.098	ug/l	95
20) Methylene Chloride	4.622	84	57155	19.576	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	52976	20.350	ug/l	96
22) Diisopropyl ether	6.024	45	157311	18.014	ug/l	95
23) Vinyl Acetate	5.969	43	490218	92.917	ug/l	98
24) 1,1-Dichloroethane	5.921	63	97335	19.950	ug/l	99
25) 2-Butanone	6.902	43	83136	110.000	ug/l	99
26) 2,2-Dichloropropane	6.896	77	89975	20.734	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61445	20.454	ug/l	97
28) Bromochloromethane	7.250	49	41072	19.736	ug/l	96
29) Tetrahydrofuran	7.268	42	46580	95.797	ug/l	93
30) Chloroform	7.427	83	95738	20.458	ug/l	98
31) Cyclohexane	7.713	56	98151	20.135	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	89072	20.746	ug/l	99
36) 1,1-Dichloropropene	7.847	75	74413	20.729	ug/l	98
37) Ethyl Acetate	6.994	43	32944	19.073	ug/l	96
38) Carbon Tetrachloride	7.829	117	77588	20.880	ug/l	95
39) Methylcyclohexane	9.115	83	102984	21.353	ug/l	96
40) Benzene	8.091	78	215939	20.291	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022409.D
 Acq On : 23 May 2025 16:28
 Operator : SY/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	20095m	17.538	ug/l	
42) 1,2-Dichloroethane	8.164	62	56548	19.649	ug/l	97
43) Isopropyl Acetate	8.207	43	70370	18.681	ug/l	98
44) Trichloroethene	8.871	130	55056	20.806	ug/l	96
45) 1,2-Dichloropropane	9.146	63	51291	19.991	ug/l	97
46) Dibromomethane	9.237	93	28589	20.659	ug/l	99
47) Bromodichloromethane	9.426	83	71724	19.978	ug/l	100
48) Methyl methacrylate	9.231	41	30712	17.434	ug/l	88
49) 1,4-Dioxane	9.237	88	6085	389.226	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	171509	92.790	ug/l	96
52) Toluene	10.176	92	136262	20.220	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	68682	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	79085	19.702	ug/l	94
55) 1,1,2-Trichloroethane	10.578	97	35739	20.168	ug/l	96
56) Ethyl methacrylate	10.444	69	54901	19.889	ug/l	92
57) 1,3-Dichloropropane	10.725	76	64791	20.578	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	106348	85.834	ug/l	97
59) 2-Hexanone	10.767	43	127089	102.550	ug/l	96
60) Dibromochloromethane	10.920	129	46918	20.398	ug/l	99
61) 1,2-Dibromoethane	11.023	107	34146	20.674	ug/l	99
64) Tetrachloroethene	10.652	164	59668	21.065	ug/l	99
65) Chlorobenzene	11.450	112	142059	20.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	47723	20.078	ug/l	99
67) Ethyl Benzene	11.523	91	262665	20.286	ug/l	99
68) m/p-Xylenes	11.633	106	197872	40.555	ug/l	96
69) o-Xylene	11.956	106	91898	19.908	ug/l	98
70) Styrene	11.975	104	153910	19.765	ug/l	97
71) Bromoform	12.139	173	25596	19.951	ug/l #	97
73) Isopropylbenzene	12.261	105	247301	21.034	ug/l	100
74) N-amyl acetate	12.072	43	61277	18.223	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	37759	20.883	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	29327m	20.398	ug/l	
77) Bromobenzene	12.535	156	52367	20.854	ug/l	95
78) n-propylbenzene	12.602	91	296181	20.885	ug/l	99
79) 2-Chlorotoluene	12.682	91	155703	19.979	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	191546	20.182	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13059	18.400	ug/l	98
82) 4-Chlorotoluene	12.785	91	157322	19.626	ug/l	97
83) tert-Butylbenzene	13.005	119	175804	20.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	188374	19.994	ug/l	98
85) sec-Butylbenzene	13.182	105	266407	21.275	ug/l	100
86) p-Isopropyltoluene	13.297	119	213699	20.291	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	103478	20.186	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	100997	20.483	ug/l	99
89) n-Butylbenzene	13.621	91	210175	21.095	ug/l	98
90) Hexachloroethane	13.883	117	43322	20.378	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	88356	20.520	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5917	20.294	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	47978	19.290	ug/l	99
94) Hexachlorobutadiene	15.029	225	25900	18.673	ug/l	94
95) Naphthalene	15.151	128	86870	18.405	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	40075	18.993	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022409.D
Acq On : 23 May 2025 16:28
Operator : SY/MD
Sample : VY0523SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

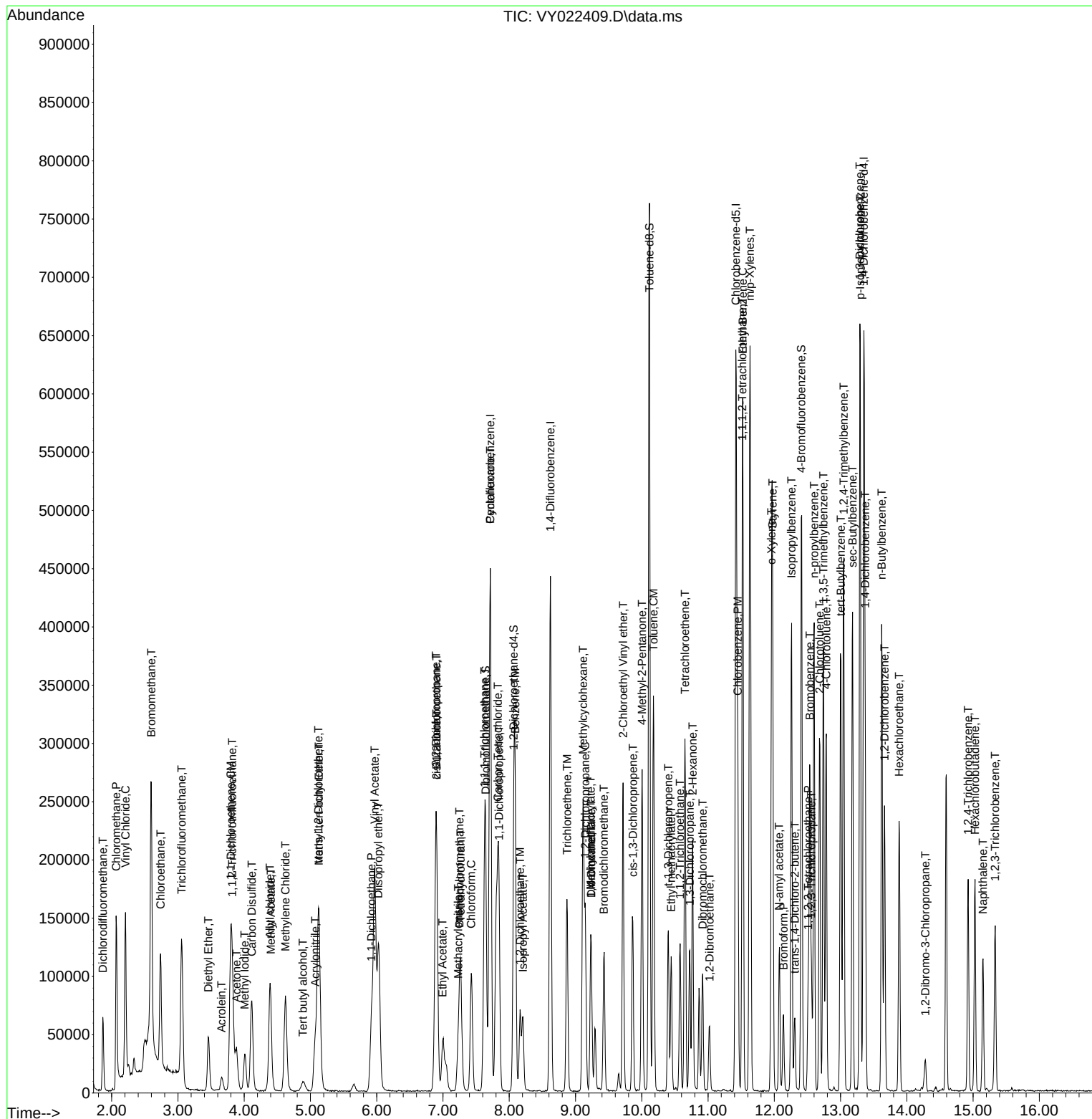
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Data File : VY022409.D
Acq On : 23 May 2025 16:28
Operator : SY/MD
Sample : VY0523SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

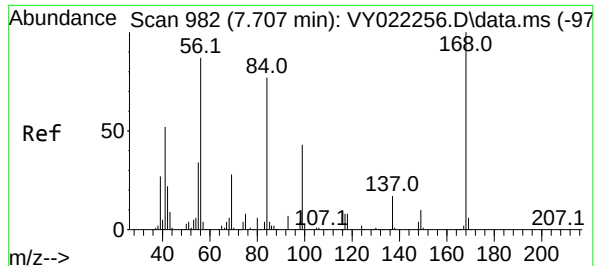
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





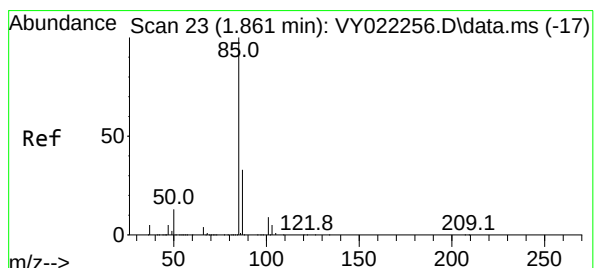
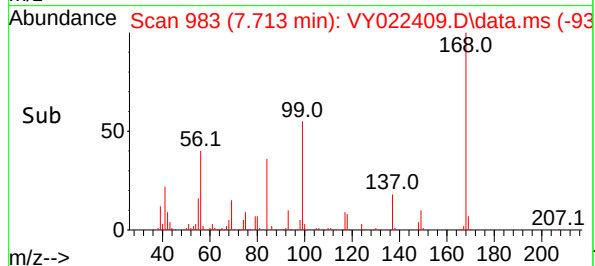
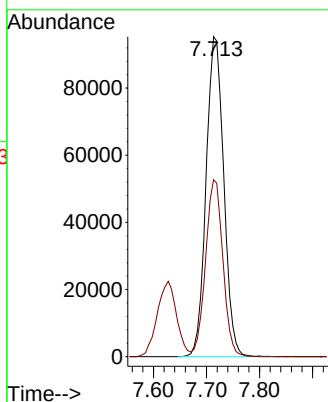
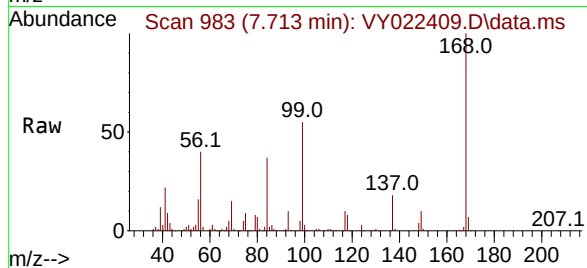
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Tgt Ion:168 Resp: 220484
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4

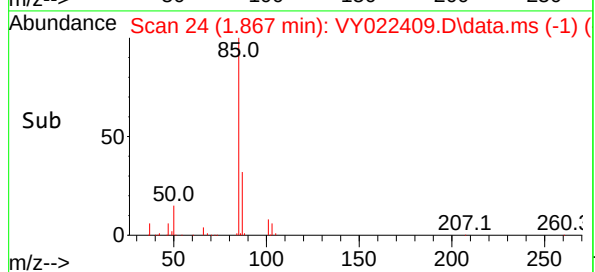
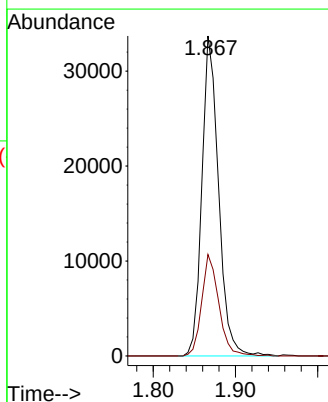
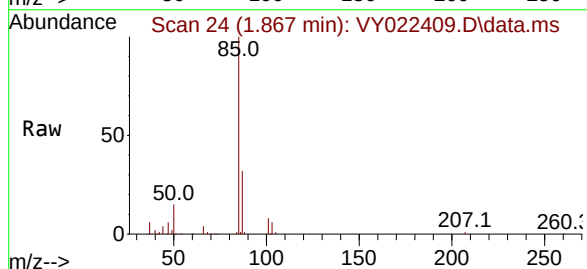
Manual Integrations
APPROVED

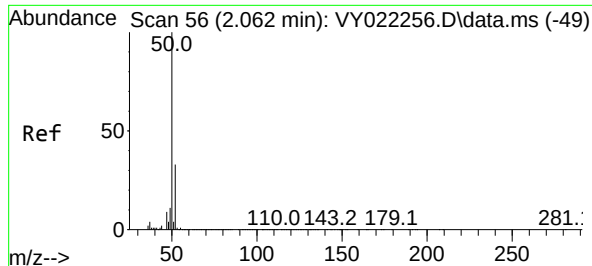
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#2
Dichlorodifluoromethane
Concen: 20.625 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

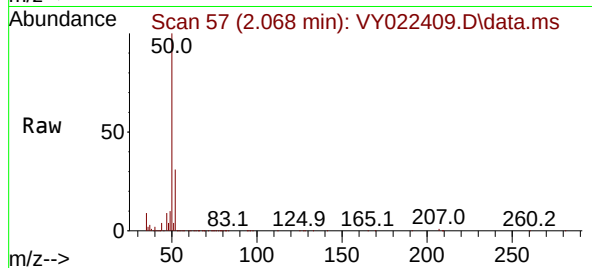
Tgt Ion: 85 Resp: 47450
Ion Ratio Lower Upper
85 100
87 31.7 16.5 49.5





#3
Chloromethane
Concen: 24.002 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

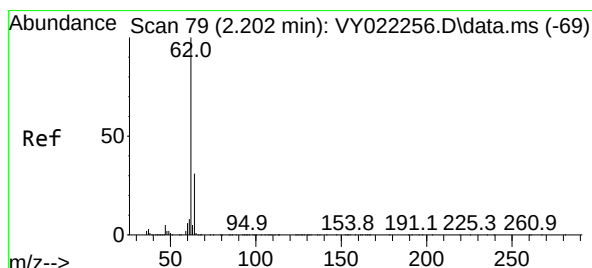
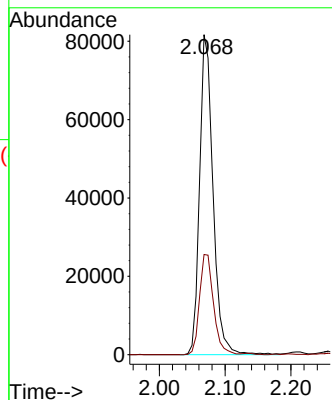
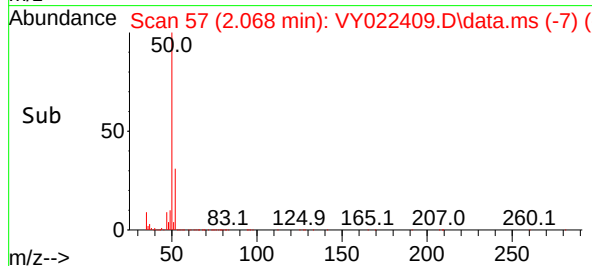
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 50 Resp: 116162
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7

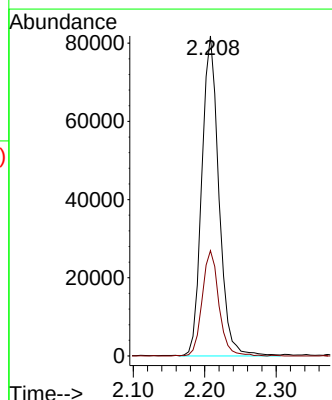
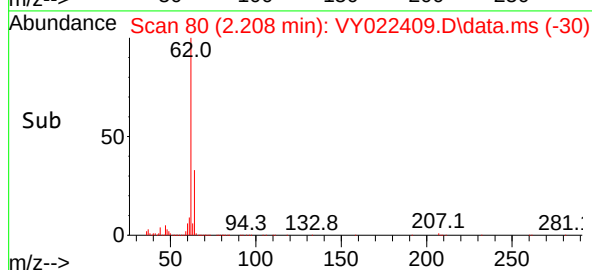
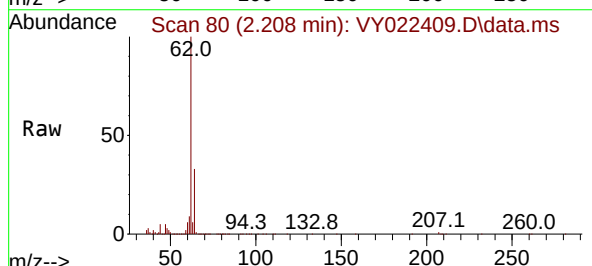
Manual Integrations
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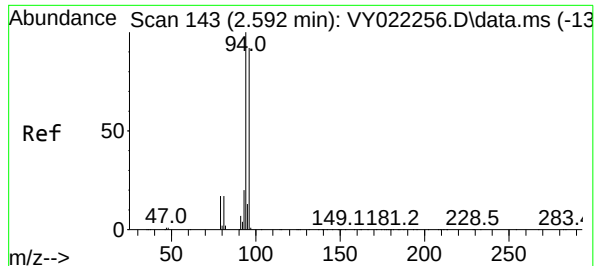
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#4
Vinyl Chloride
Concen: 25.171 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

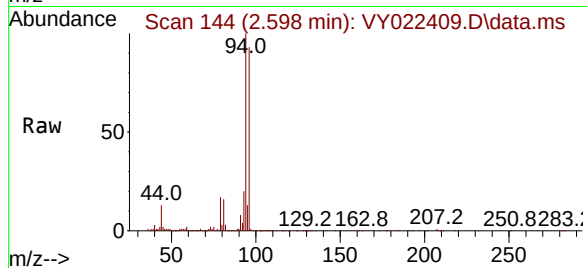
Tgt Ion: 62 Resp: 136097
Ion Ratio Lower Upper
62 100
64 32.8 24.5 36.7





#5
Bromomethane
Concen: 34.544 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

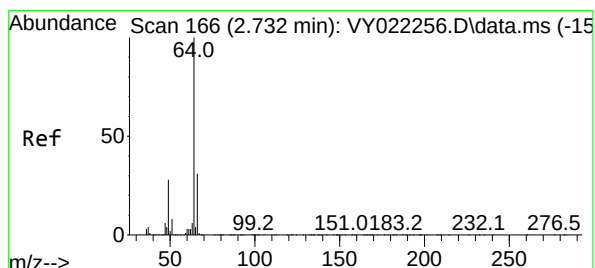
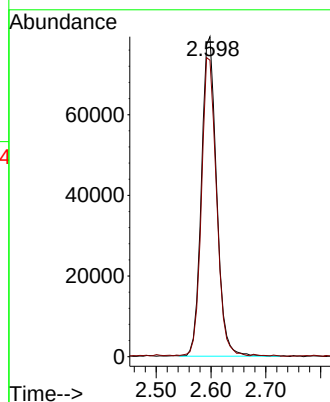
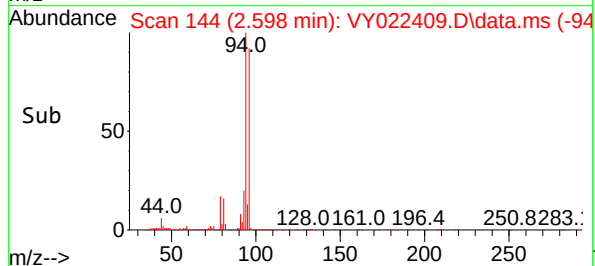
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 94 Resp: 152048
Ion Ratio Lower Upper
94 100
96 92.5 73.4 110.0

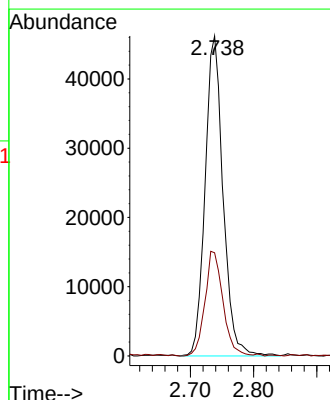
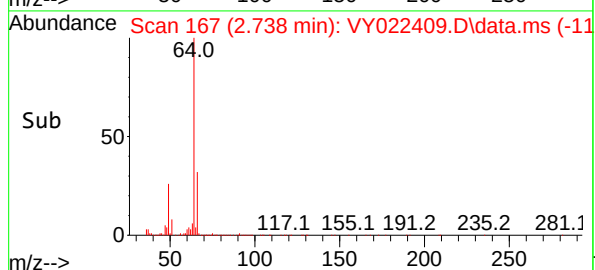
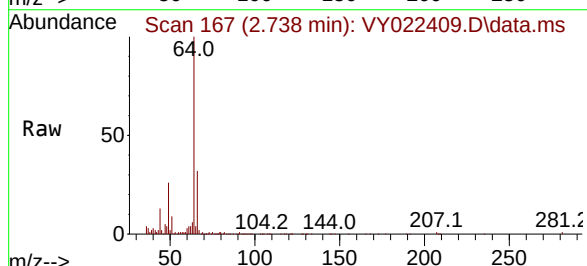
Manual Integrations
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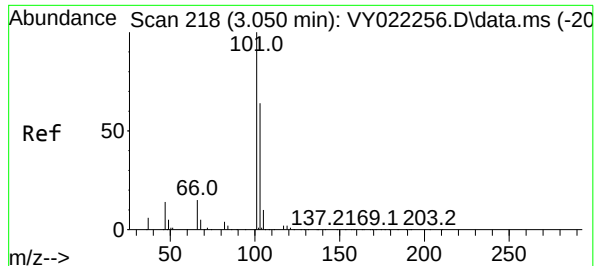
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#6
Chloroethane
Concen: 27.126 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 64 Resp: 91246
Ion Ratio Lower Upper
64 100
66 32.2 24.8 37.2





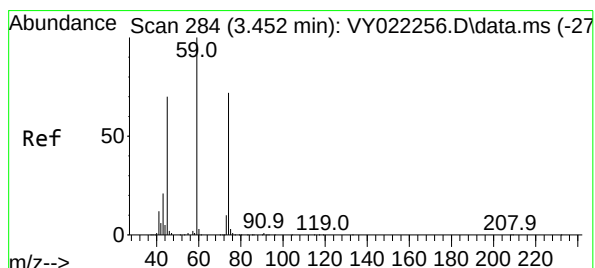
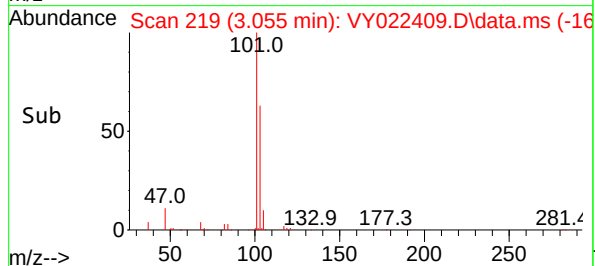
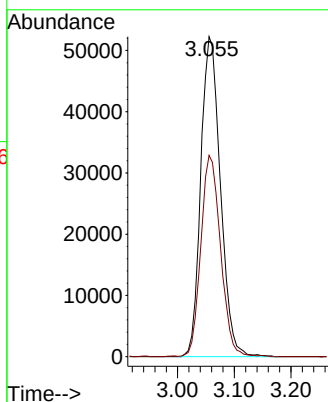
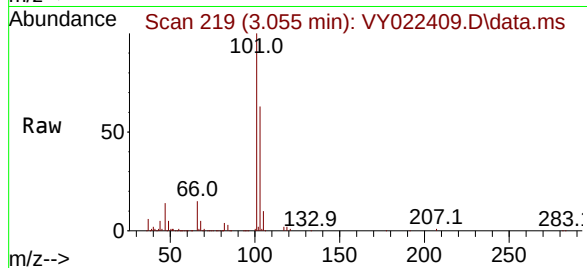
#7
Trichlorofluoromethane
Concen: 22.899 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Tgt Ion:101 Resp: 12535
Ion Ratio Lower Upper
101 100
103 62.9 51.7 77.5

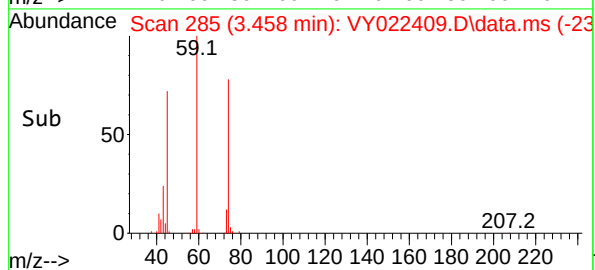
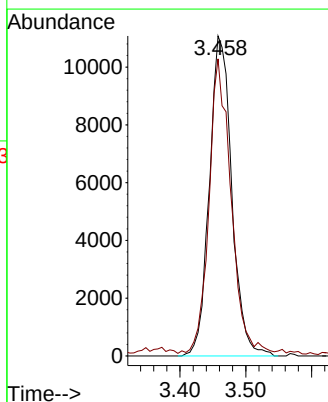
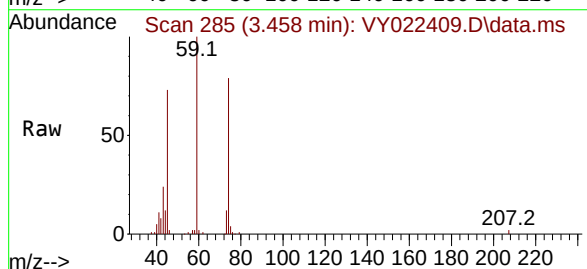
Manual Integrations
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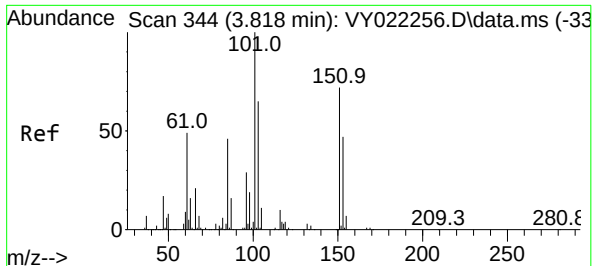
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#8
Diethyl Ether
Concen: 20.016 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 74 Resp: 26297
Ion Ratio Lower Upper
74 100
45 90.0 48.6 145.8





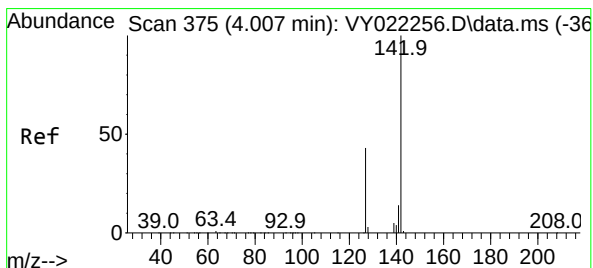
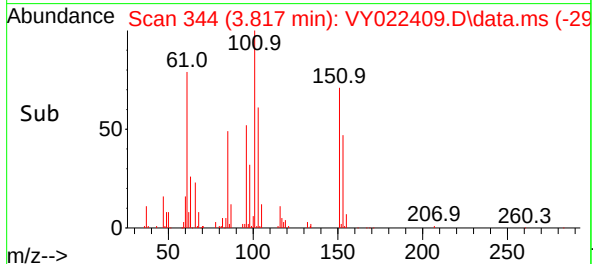
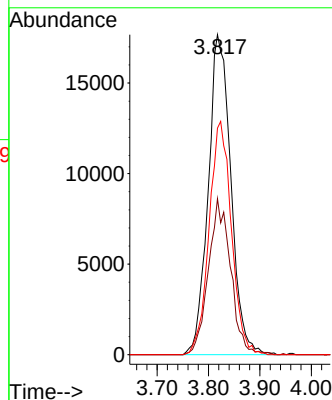
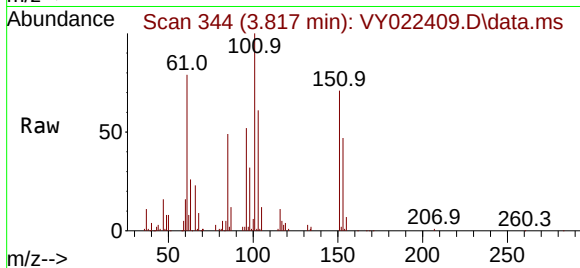
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.803 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Tgt Ion:101 Resp: 54194
Ion Ratio Lower Upper
101 100
85 47.7 38.6 58.0
151 71.8 59.7 89.5

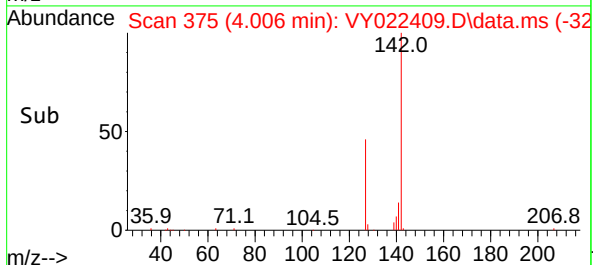
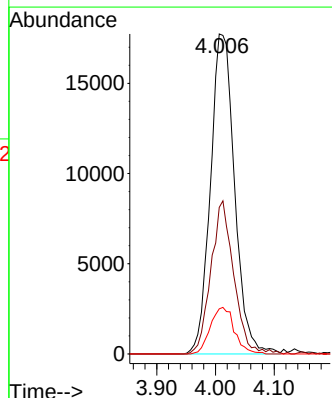
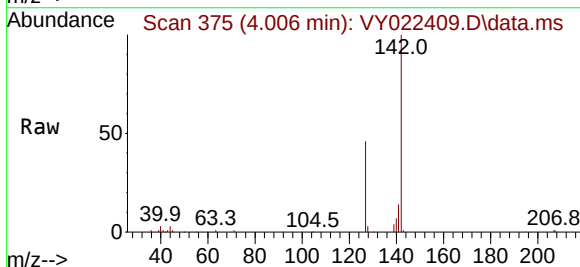
Manual Integrations
APPROVED

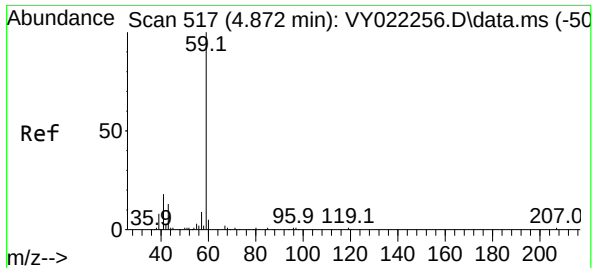
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#10
Methyl Iodide
Concen: 18.434 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:142 Resp: 50705
Ion Ratio Lower Upper
142 100
127 45.3 35.7 53.5
141 14.5 11.1 16.7





#11

Tert butyl alcohol

Concen: 98.102 ug/l

RT: 4.884 min Scan# 517

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 59 Resp: 1805

Ion Ratio Lower Upper

59 100

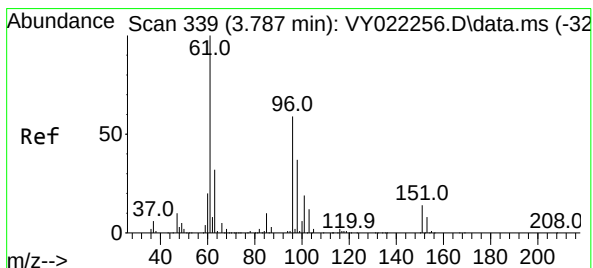
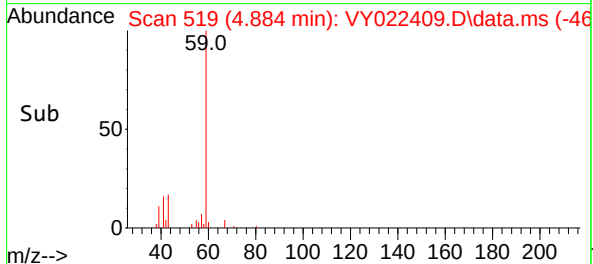
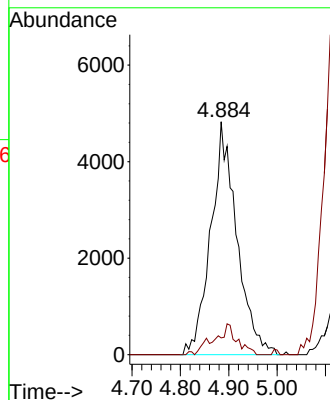
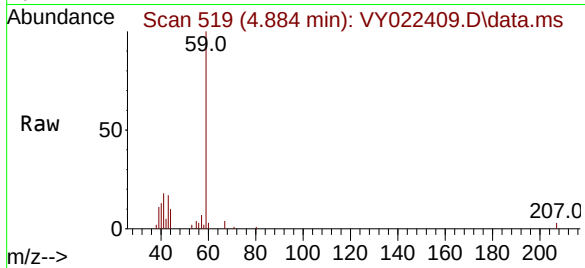
57 8.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#12

1,1-Dichloroethene

Concen: 22.099 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

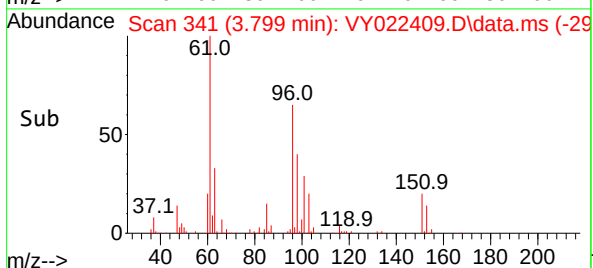
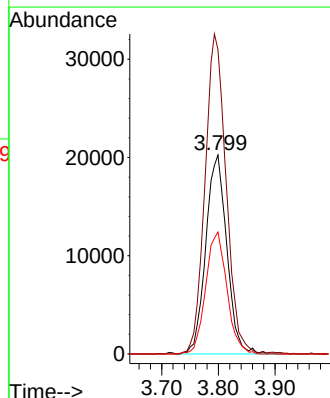
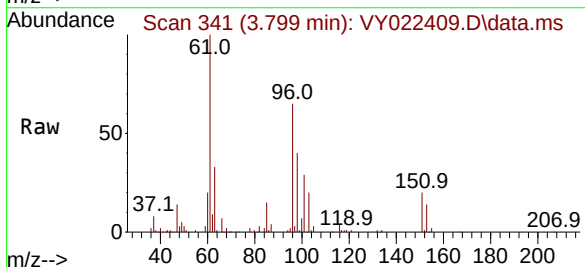
Tgt Ion: 96 Resp: 52119

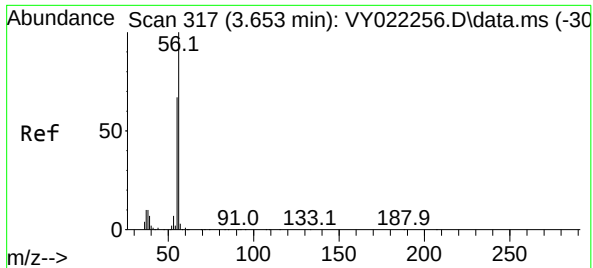
Ion Ratio Lower Upper

96 100

61 153.0 134.9 202.3

98 61.3 49.9 74.9





#13

Acrolein

Concen: 52.961 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 56 Resp: 1424

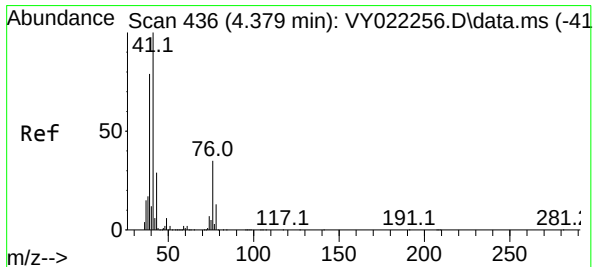
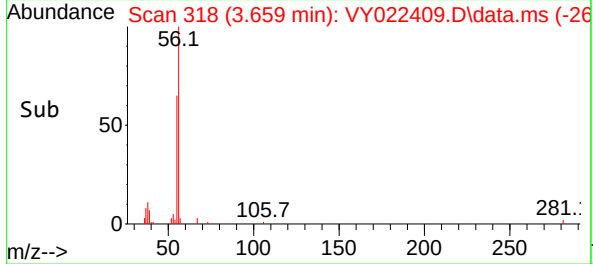
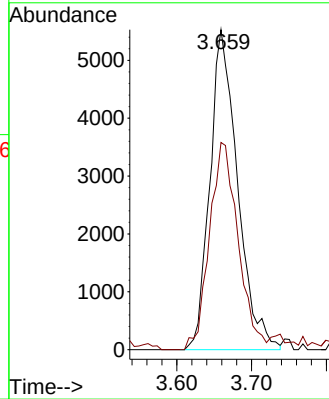
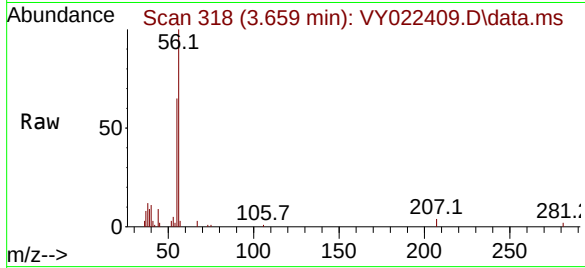
Ion Ratio Lower Upper

56 100

55 66.8 55.6 83.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#14

Allyl chloride

Concen: 17.539 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

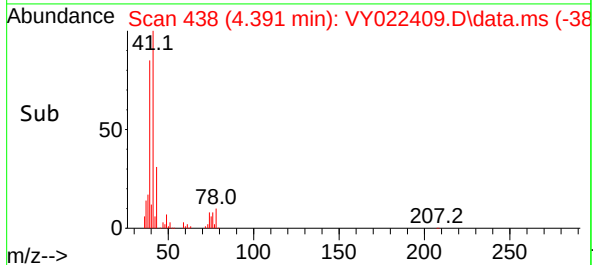
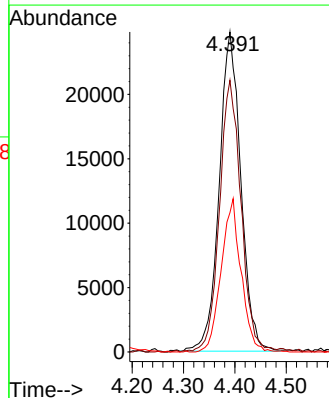
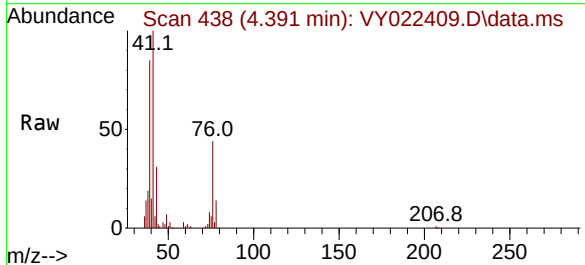
Tgt Ion: 41 Resp: 72531

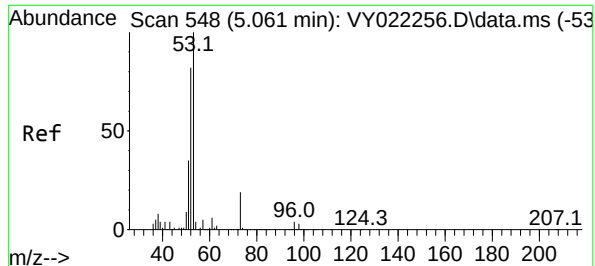
Ion Ratio Lower Upper

41 100

39 84.8 63.4 95.0

76 44.2 29.5 44.3





#15

Acrylonitrile

Concen: 99.417 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

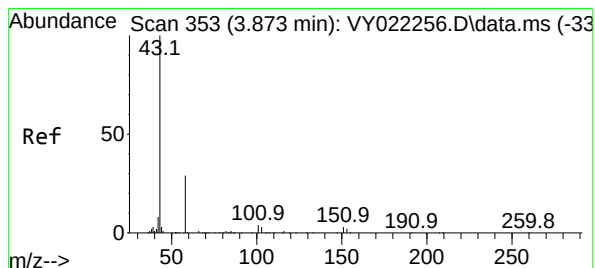
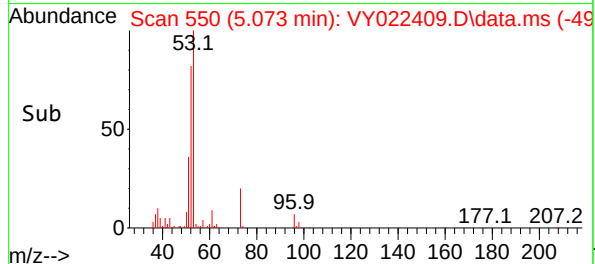
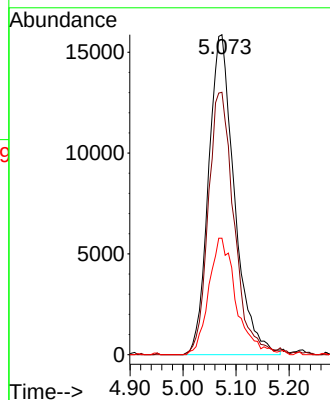
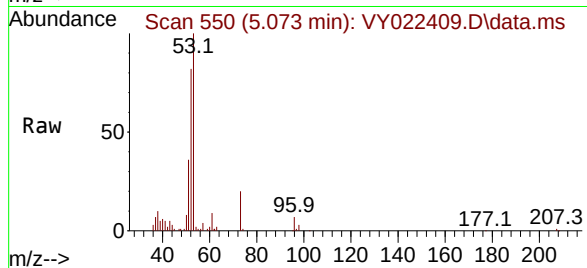
VY0523SBS01

Tgt Ion: 53	Resp: 53818
Ion Ratio	Lower Upper
53 100	
52 81.6	66.1 99.1
51 38.5	30.0 45.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#16

Acetone

Concen: 143.598 ug/l

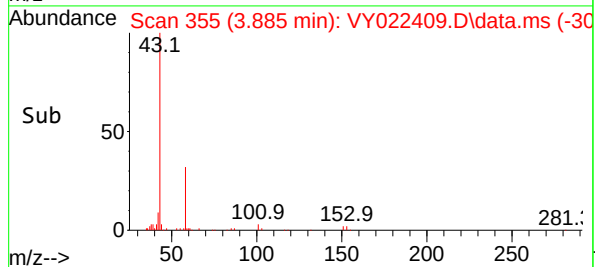
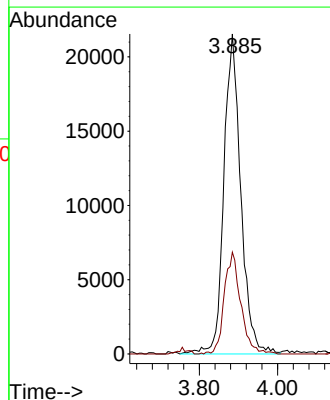
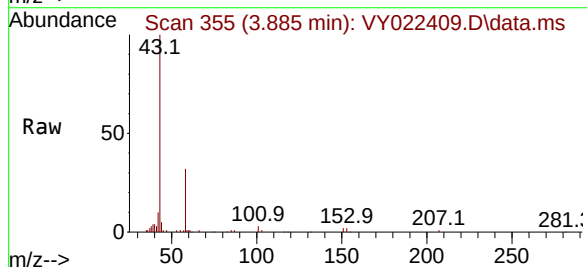
RT: 3.885 min Scan# 355

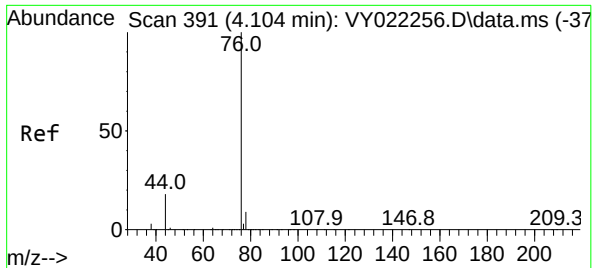
Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

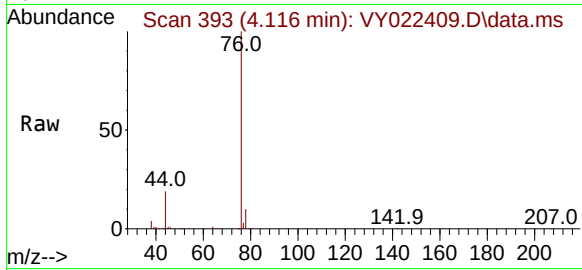
Tgt Ion: 43	Resp: 64882
Ion Ratio	Lower Upper
43 100	
58 31.8	23.6 35.4





#17
Carbon Disulfide
Concen: 19.900 ug/l
RT: 4.116 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

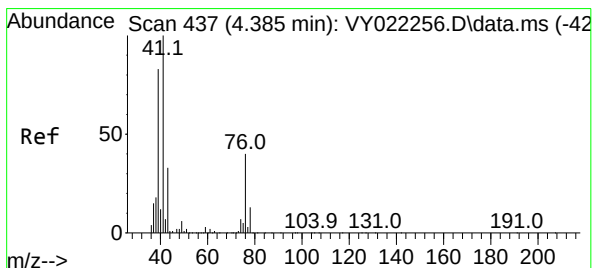
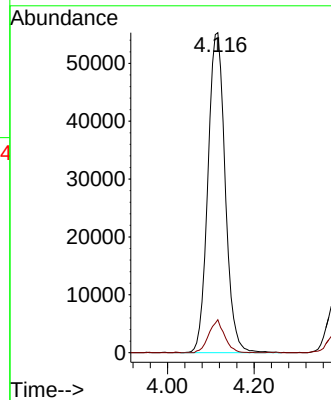
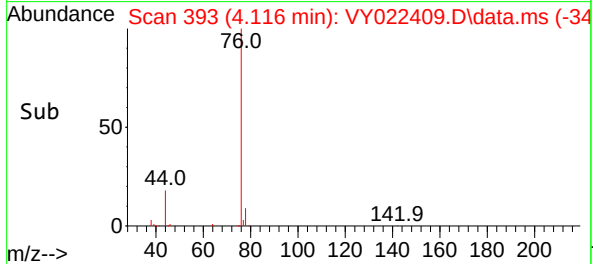
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 76 Resp: 153044
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8

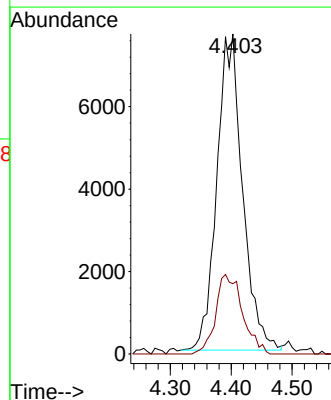
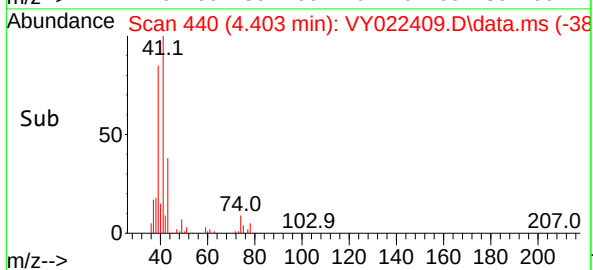
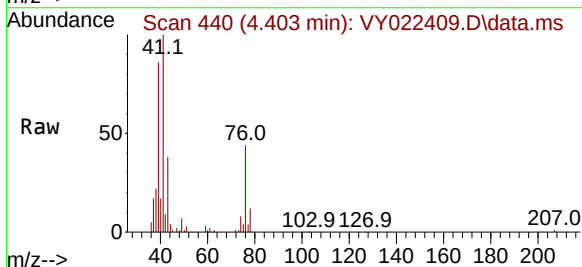
Manual Integrations
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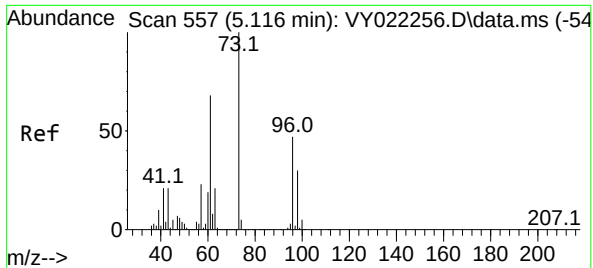
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#18
Methyl Acetate
Concen: 15.737 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

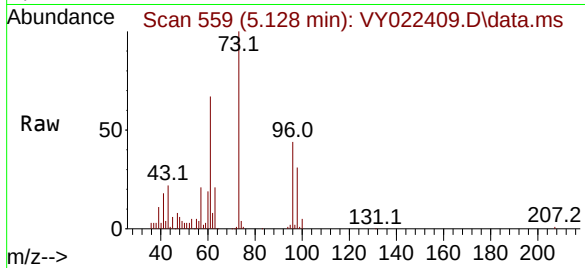
Tgt Ion: 43 Resp: 22419
Ion Ratio Lower Upper
43 100
74 26.3 18.2 27.4





#19
Methyl tert-butyl Ether
Concen: 20.098 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

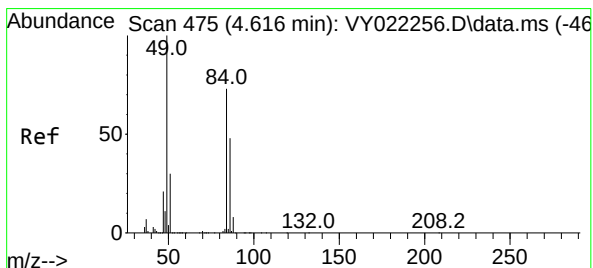
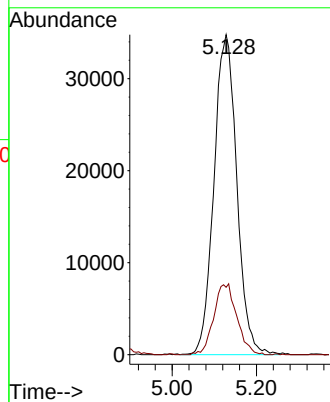
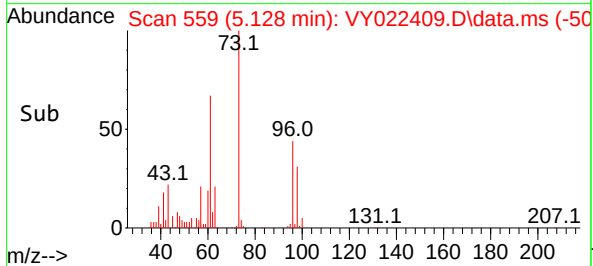
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 73 Resp: 130694
Ion Ratio Lower Upper
73 100
57 21.0 18.6 28.0

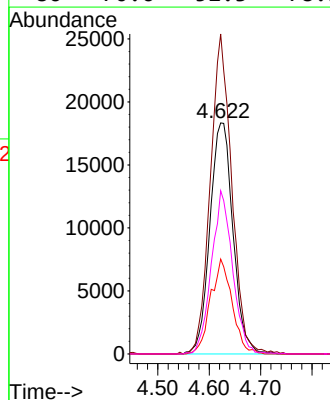
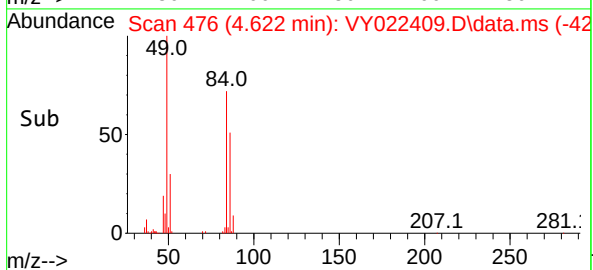
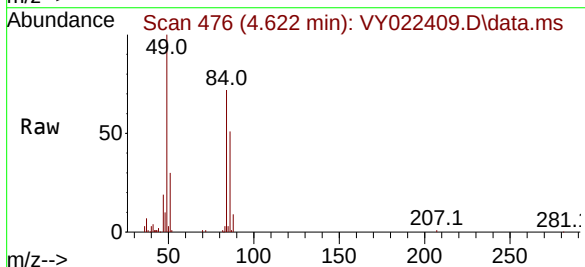
Manual Integrations
APPROVED

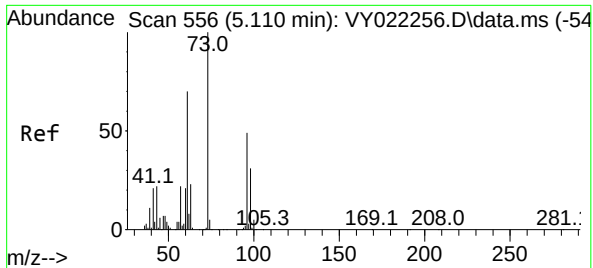
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#20
Methylene Chloride
Concen: 19.576 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 84 Resp: 57155
Ion Ratio Lower Upper
84 100
49 138.2 109.6 164.4
51 41.0 32.4 48.6
86 70.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.350 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 96 Resp: 52970

Ion Ratio Lower Upper

96 100

61 139.4 113.4 170.0

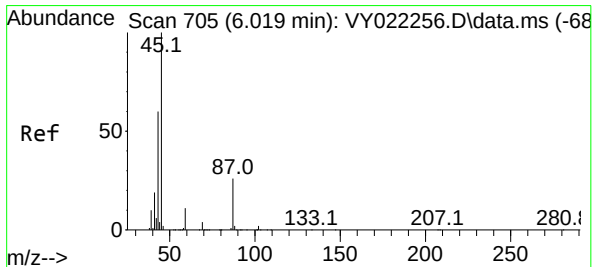
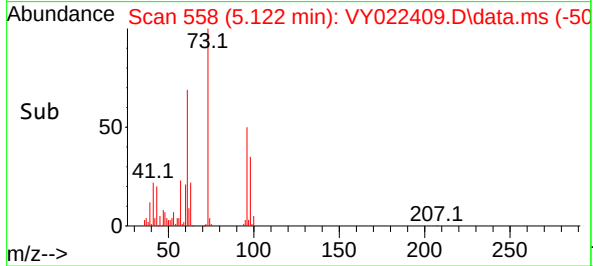
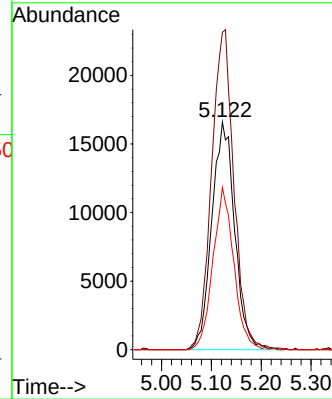
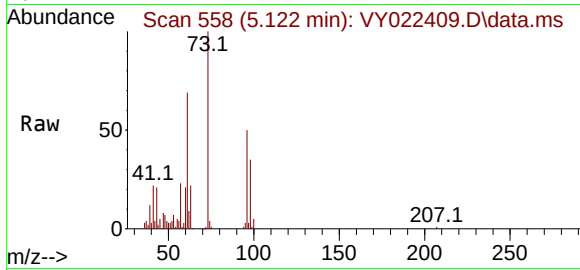
98 71.2 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#22

Diisopropyl ether

Concen: 18.014 ug/l

RT: 6.024 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion: 45 Resp: 157311

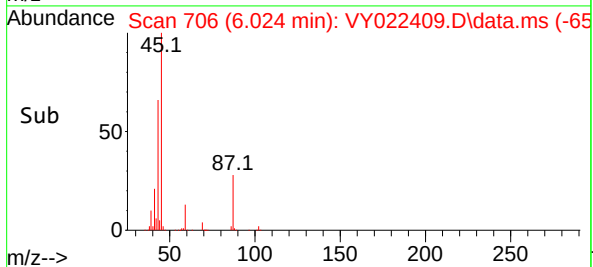
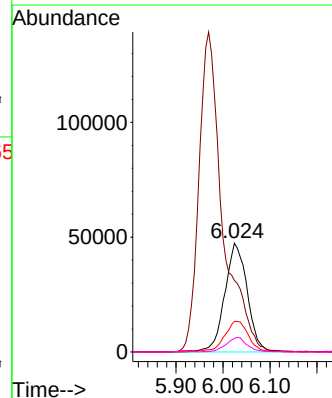
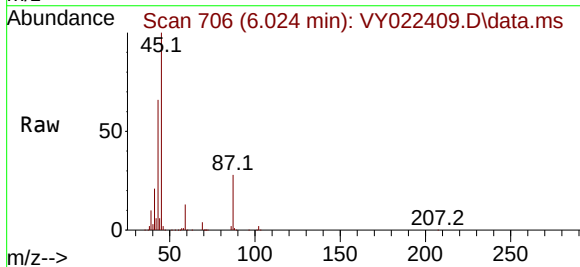
Ion Ratio Lower Upper

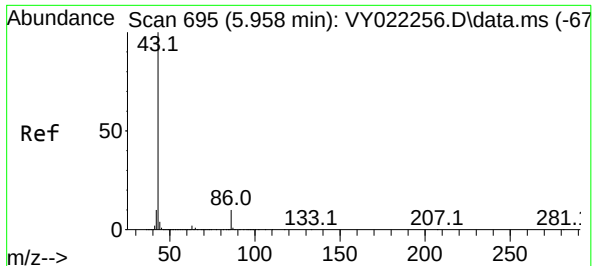
45 100

43 64.9 48.2 72.2

87 27.8 21.4 32.0

59 12.3 9.0 13.4





#23

Vinyl Acetate

Concen: 92.917 ug/l

RT: 5.969 min Scan# 695

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 43 Resp: 490218

Ion Ratio Lower Upper

43

100

86

10.4

7.8

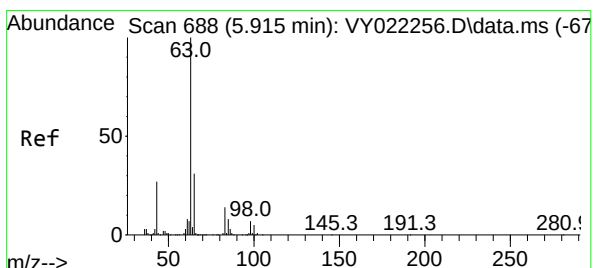
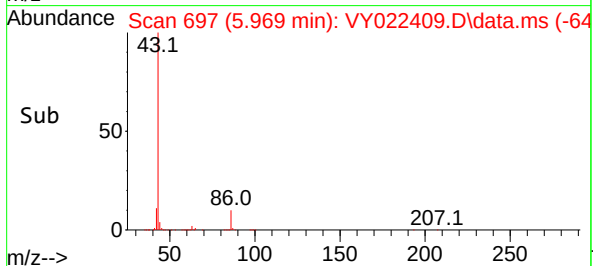
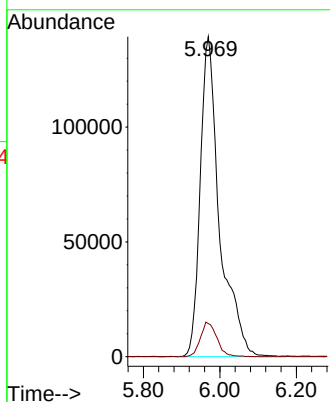
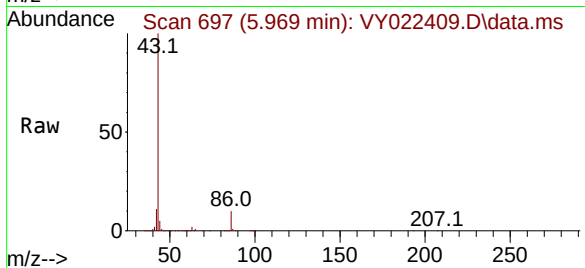
11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#24

1,1-Dichloroethane

Concen: 19.950 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion: 63 Resp: 97335

Ion Ratio Lower Upper

63

100

98

7.0

3.5

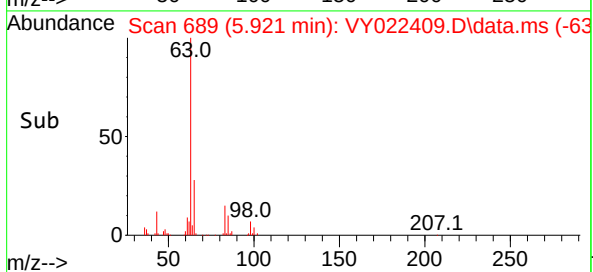
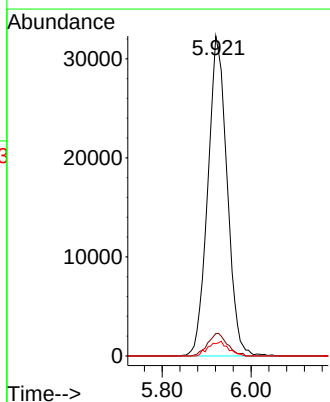
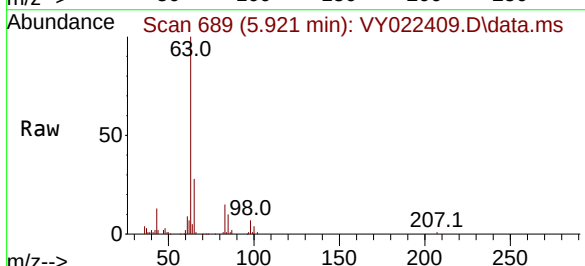
10.5

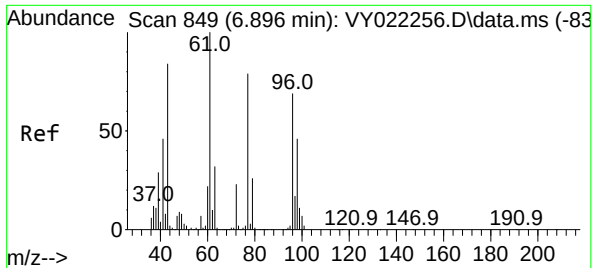
100

3.9

2.4

7.2





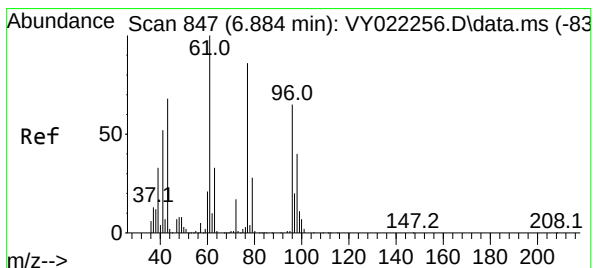
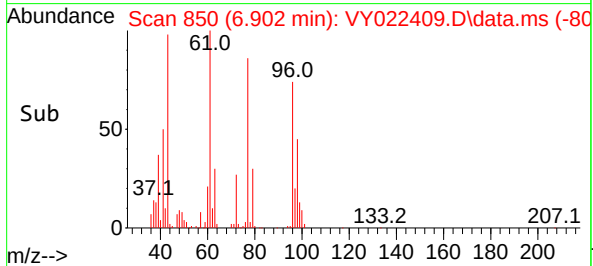
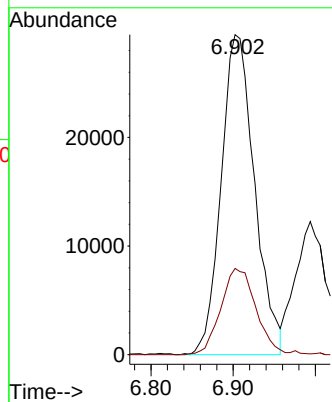
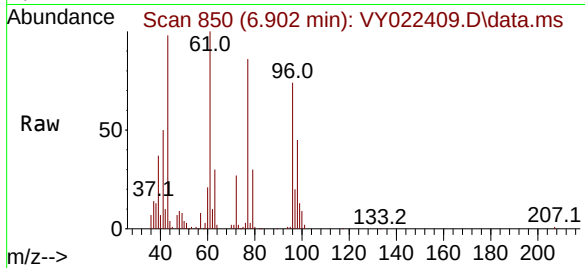
#25
2-Butanone
Concen: 110.000 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Tgt Ion: 43 Resp: 83130
Ion Ratio Lower Upper
43 100
72 27.0 22.1 33.1

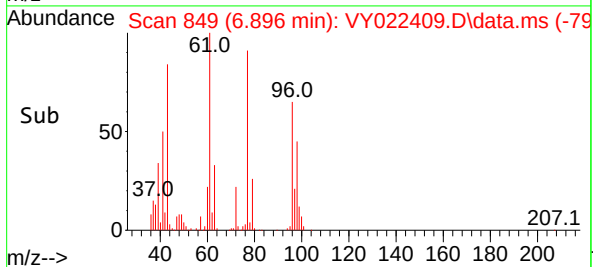
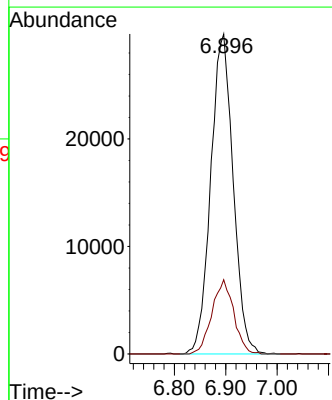
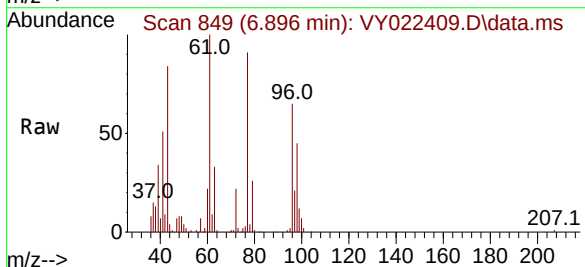
Manual Integrations
APPROVED

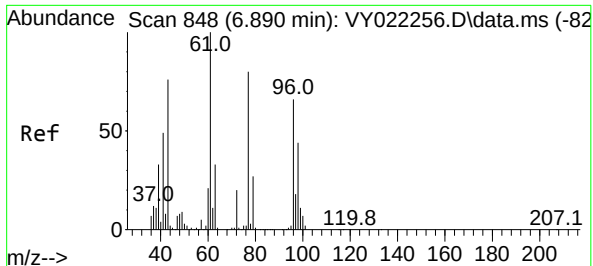
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#26
2,2-Dichloropropane
Concen: 20.734 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

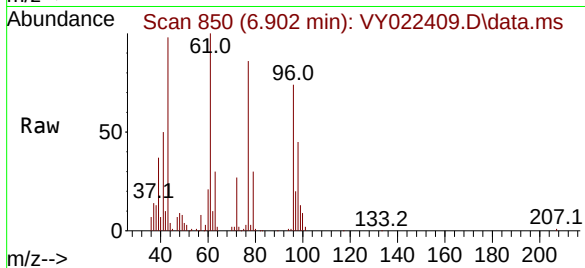
Tgt Ion: 77 Resp: 89975
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 20.454 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

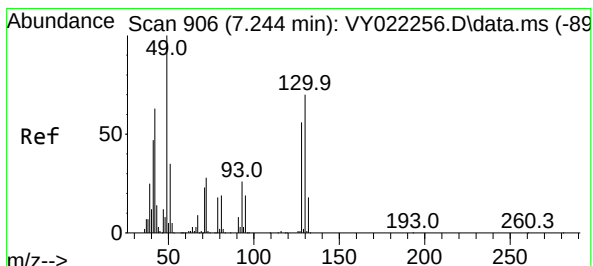
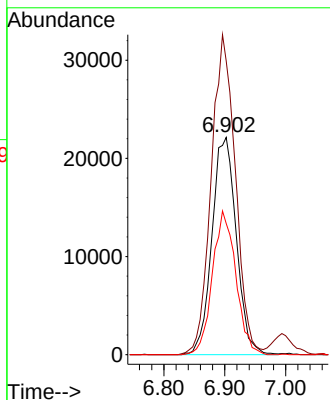
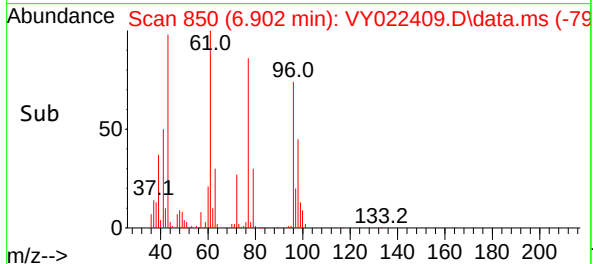
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



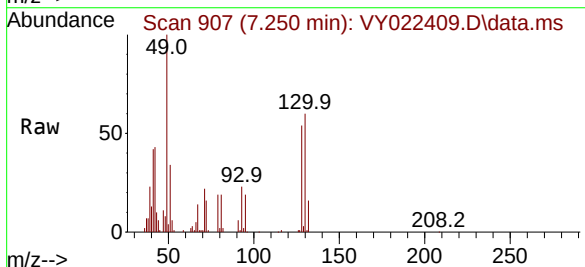
Tgt Ion: 96 Resp: 6144
Ion Ratio Lower Upper
96 100
61 146.3 0.0 302.6
98 63.7 0.0 128.8

Manual Integrations
APPROVED

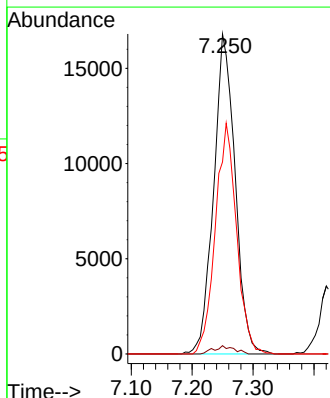
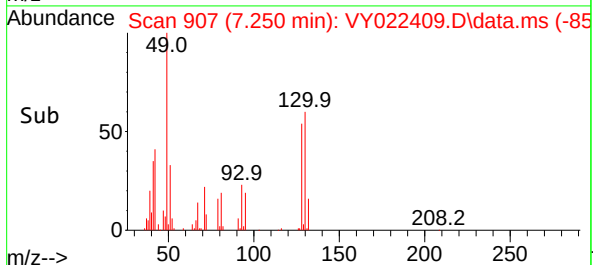
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

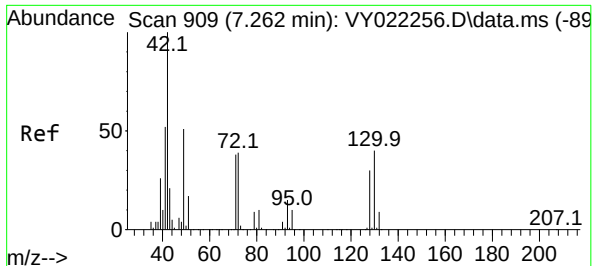


#28
Bromochloromethane
Concen: 19.736 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28



Tgt Ion: 49 Resp: 41072
Ion Ratio Lower Upper
49 100
129 2.4 0.0 3.6
130 71.3 54.7 82.1





#29

Tetrahydrofuran

Concen: 95.797 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 42 Resp: 46580

Ion Ratio Lower Upper

42 100

72 46.0 33.8 50.6

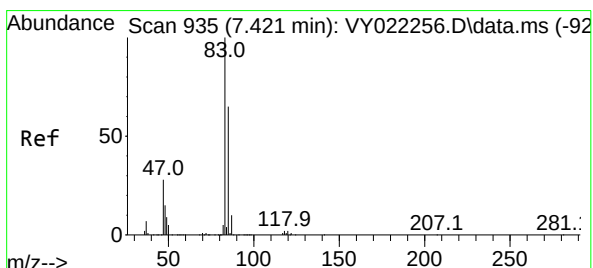
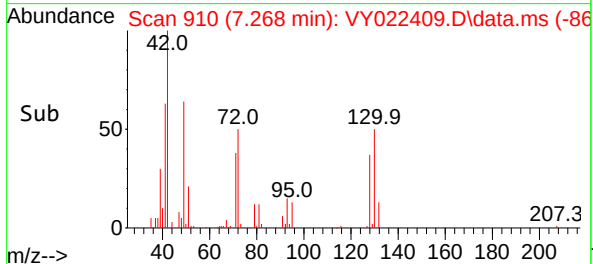
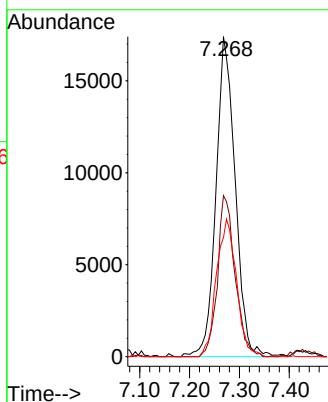
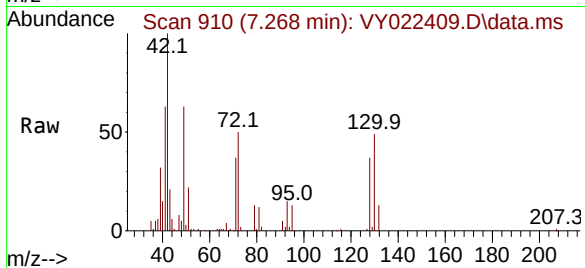
71 44.7 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#30

Chloroform

Concen: 20.458 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY022409.D

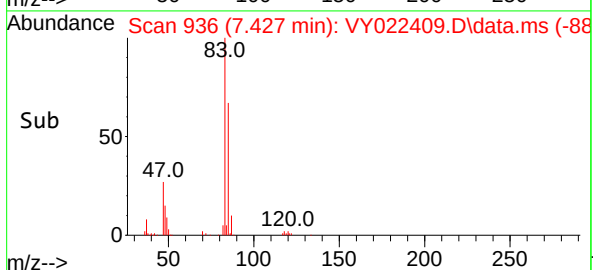
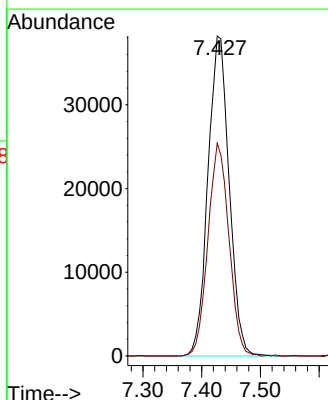
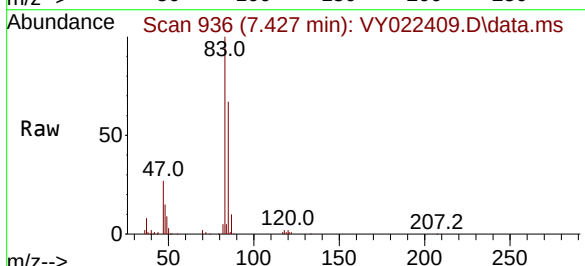
Acq: 23 May 2025 16:28

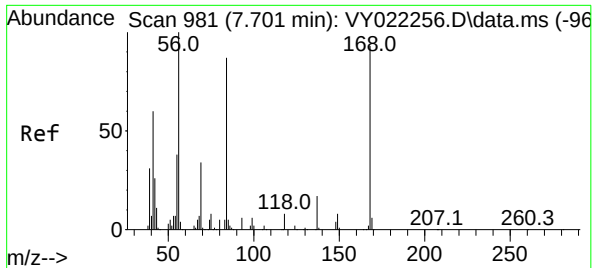
Tgt Ion: 83 Resp: 95738

Ion Ratio Lower Upper

83 100

85 66.5 51.8 77.8





#31

Cyclohexane

Concen: 20.135 ug/l

RT: 7.713 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 56 Resp: 9815

Ion Ratio Lower Upper

56 100

69 36.6 27.4 41.2

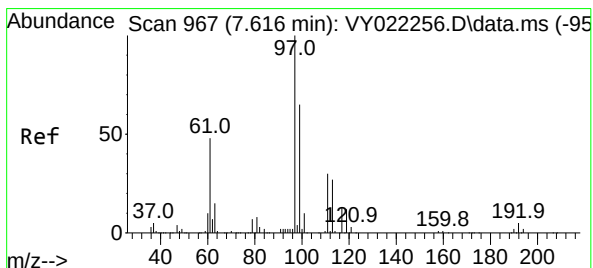
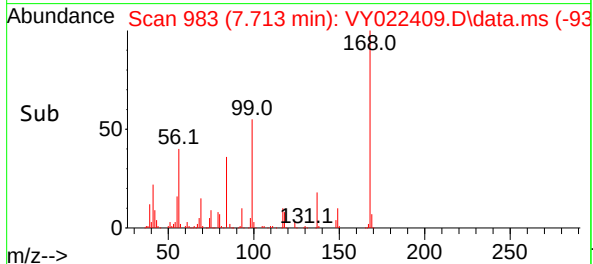
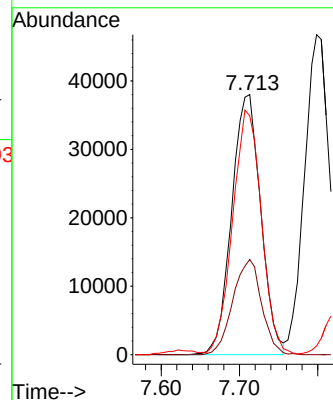
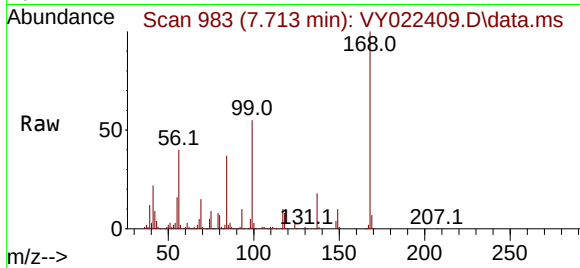
84 90.2 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#32

1,1,1-Trichloroethane

Concen: 20.746 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

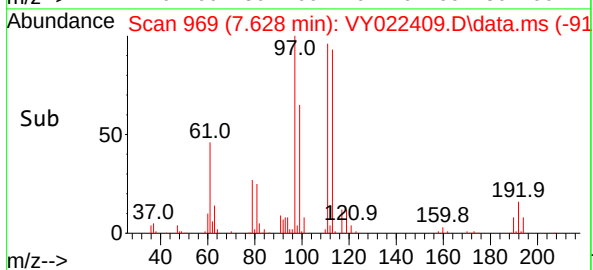
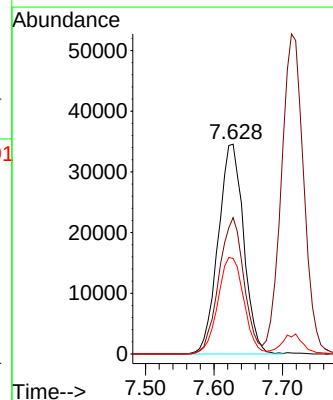
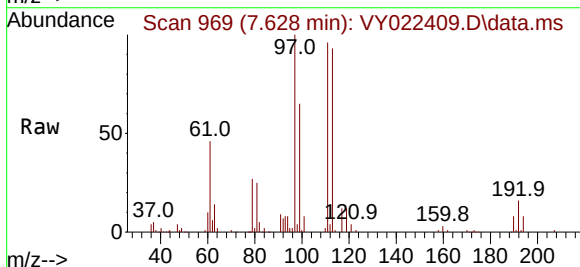
Tgt Ion: 97 Resp: 89072

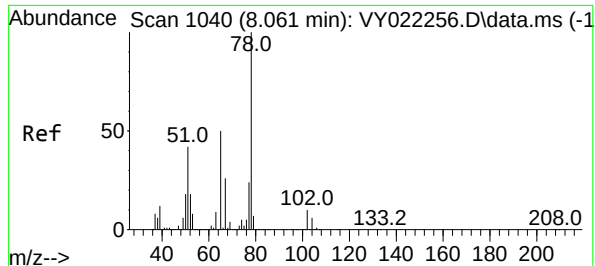
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 46.7 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 50.718 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 65 Resp: 122214

Ion Ratio Lower Upper

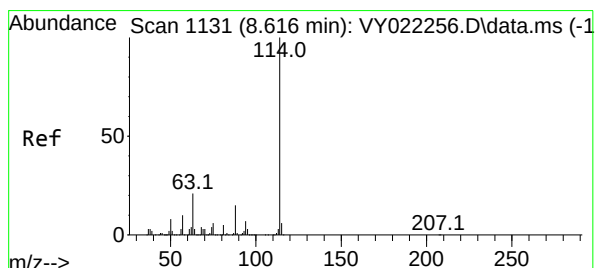
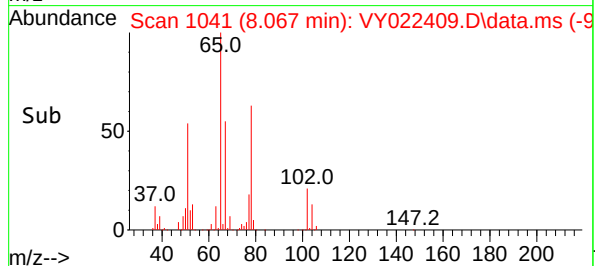
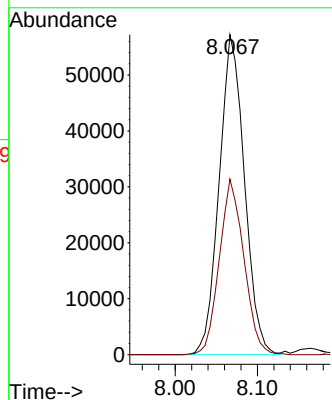
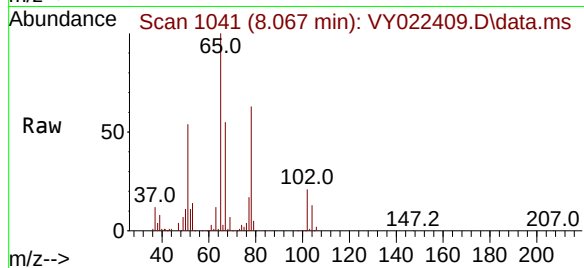
65 100

67 53.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

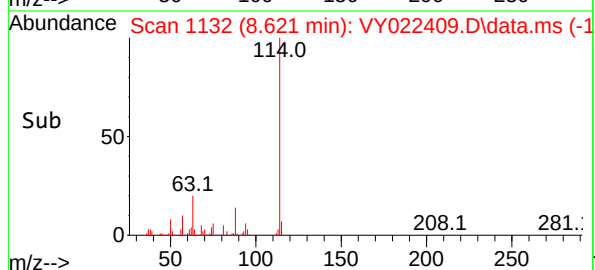
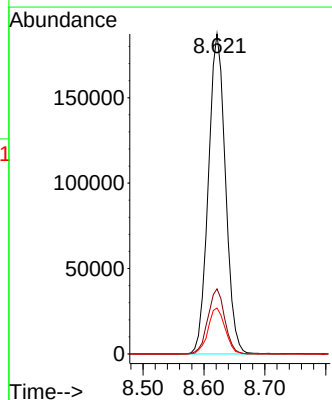
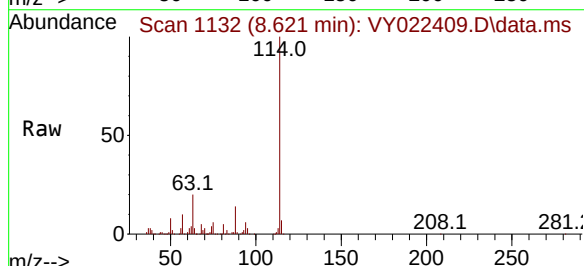
Tgt Ion:114 Resp: 365163

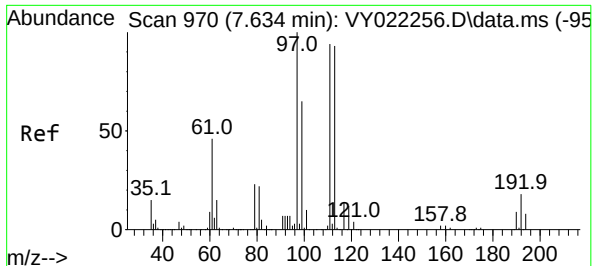
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 53.556 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022409.D

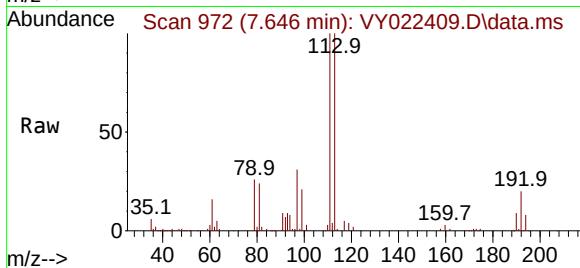
Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01



Tgt Ion:113 Resp: 116720

Ion Ratio Lower Upper

113 100

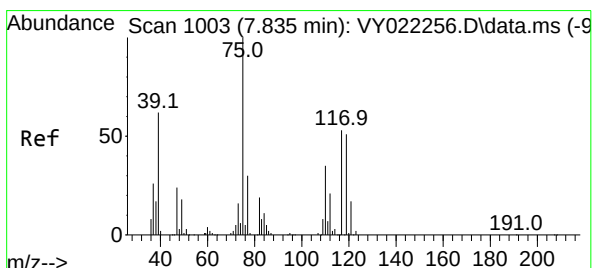
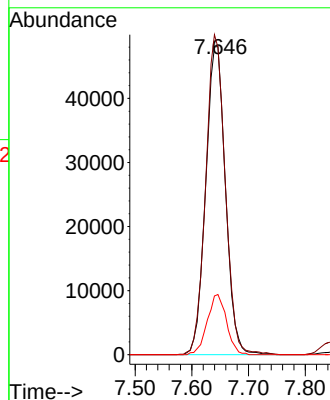
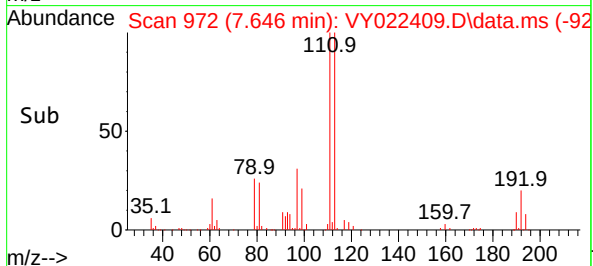
111 102.4 82.6 123.8

192 19.0 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#36

1,1-Dichloropropene

Concen: 20.729 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

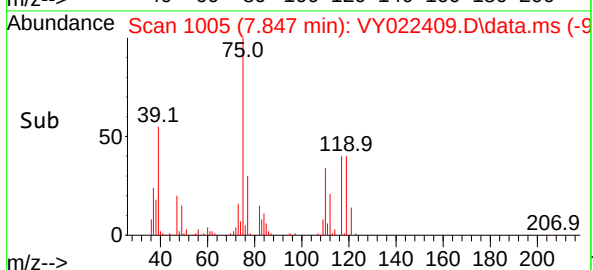
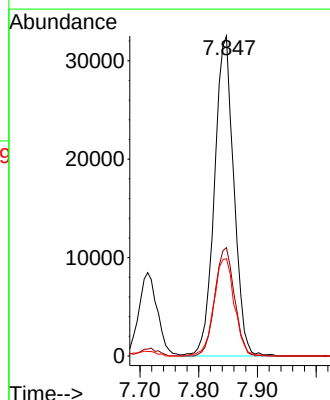
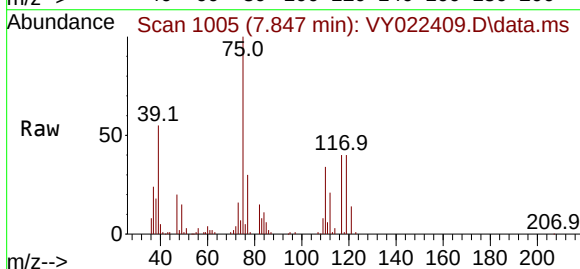
Tgt Ion: 75 Resp: 74413

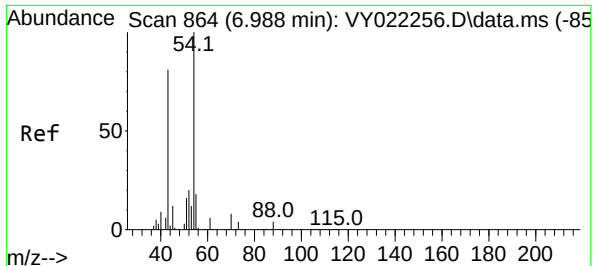
Ion Ratio Lower Upper

75 100

110 34.2 16.6 49.8

77 32.4 24.6 37.0





#37

Ethyl Acetate

Concen: 19.073 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

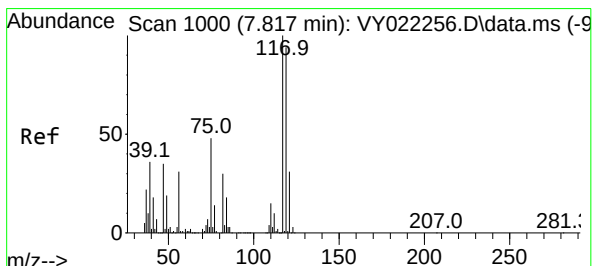
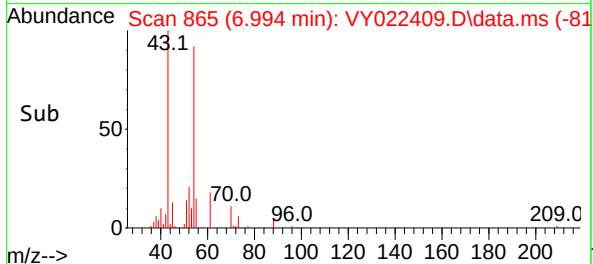
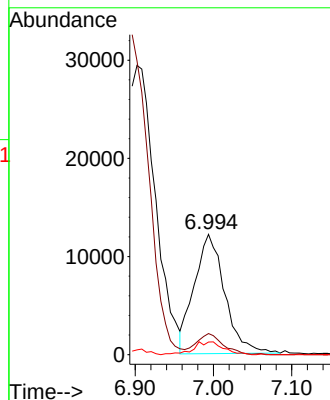
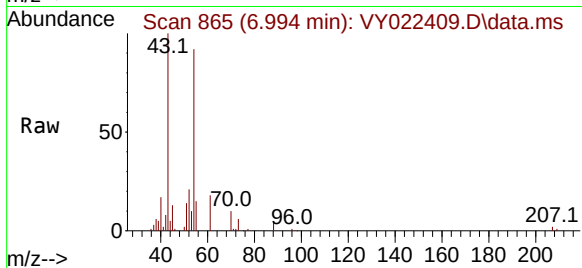
Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:	43	Resp:	3294
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.2	15.2
70	10.5	7.6	11.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#38

Carbon Tetrachloride

Concen: 20.880 ug/l

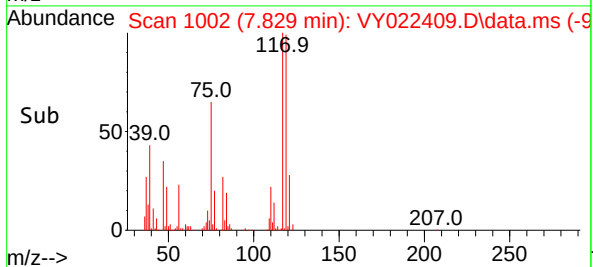
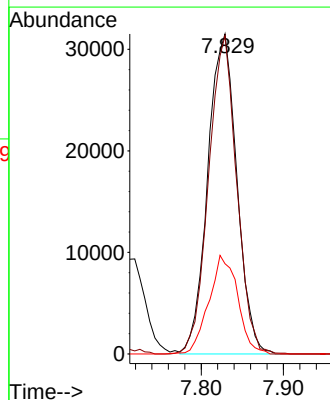
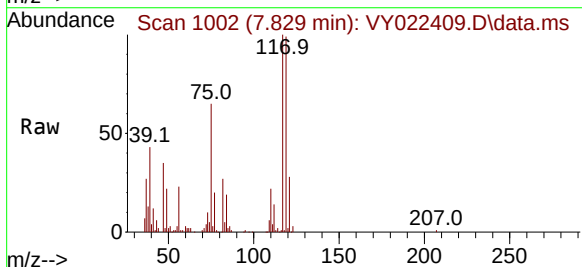
RT: 7.829 min Scan# 1002

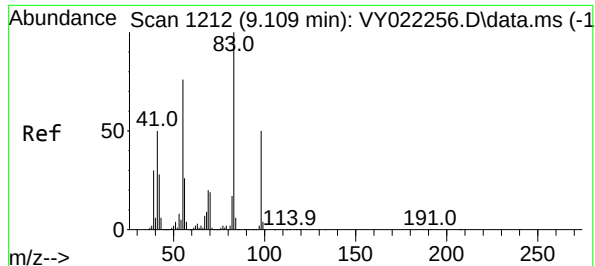
Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:	117	Resp:	77588
Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.3	112.9
121	28.2	24.7	37.1





#39

Methylcyclohexane

Concen: 21.353 ug/l

RT: 9.115 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 83 Resp: 102984

Ion Ratio Lower Upper

83 100

55 71.3 60.6 90.8

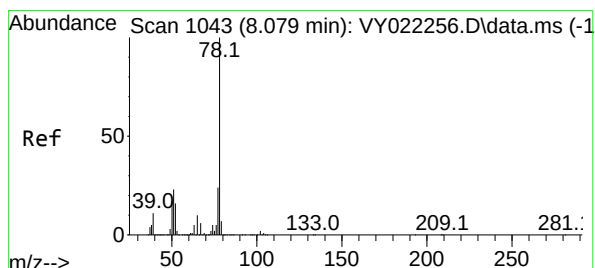
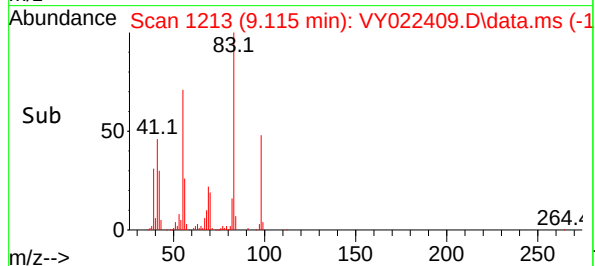
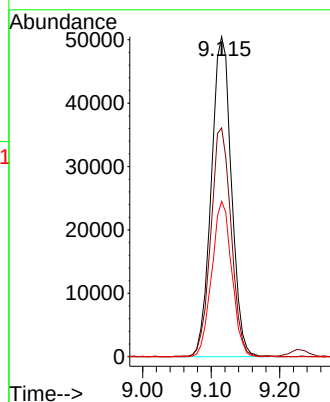
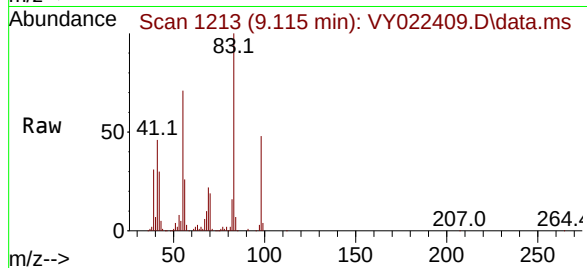
98 48.5 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#40

Benzene

Concen: 20.291 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022409.D

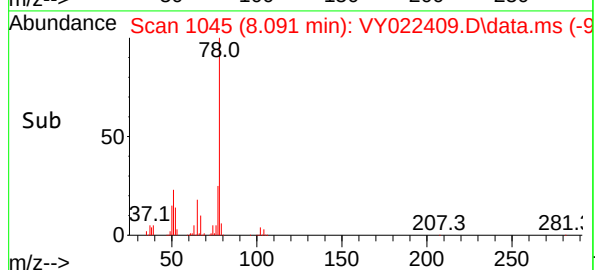
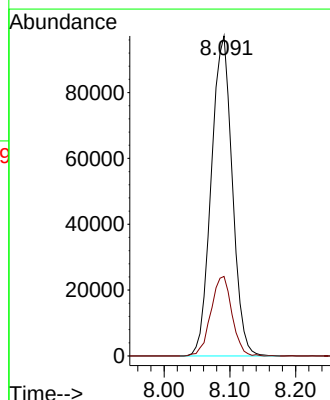
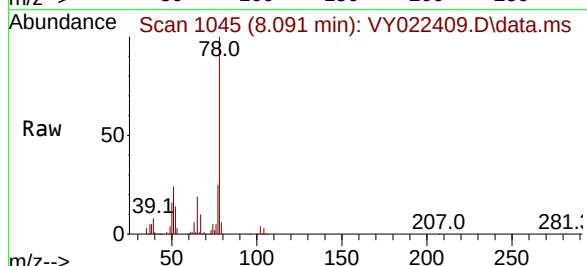
Acq: 23 May 2025 16:28

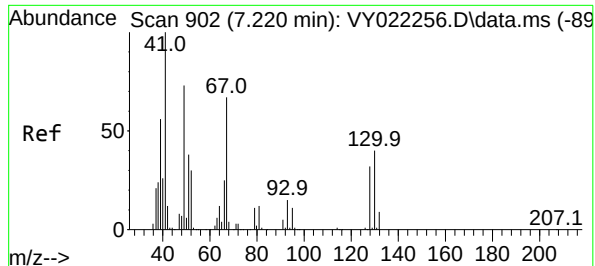
Tgt Ion: 78 Resp: 215939

Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3





#41

Methacrylonitrile

Concen: 17.538 ug/l m

RT: 7.231 min Scan# 902

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 41 Resp: 2009

Ion Ratio Lower Upper

41 100

39 40.2 39.1 58.7

67 71.3 47.1 70.7

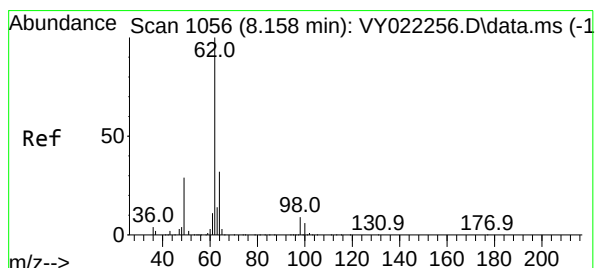
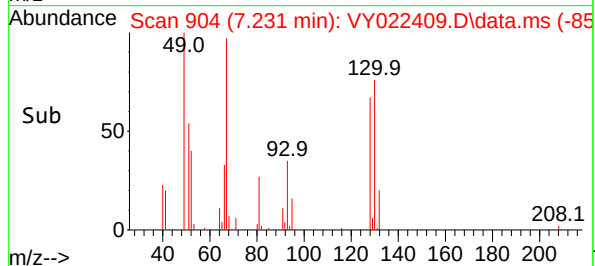
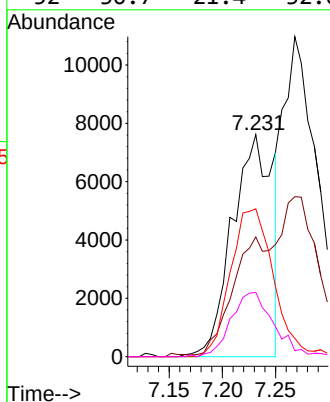
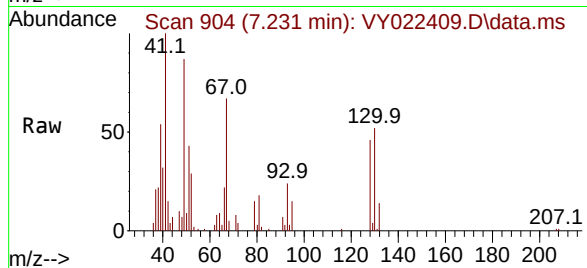
52 30.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#42

1,2-Dichloroethane

Concen: 19.649 ug/l

RT: 8.164 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VY022409.D

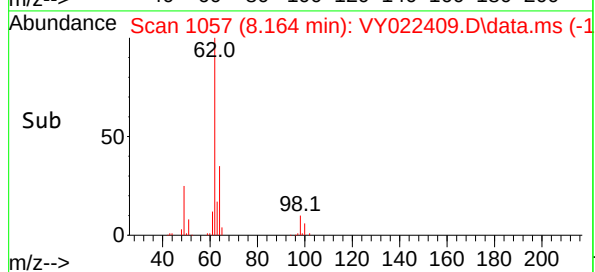
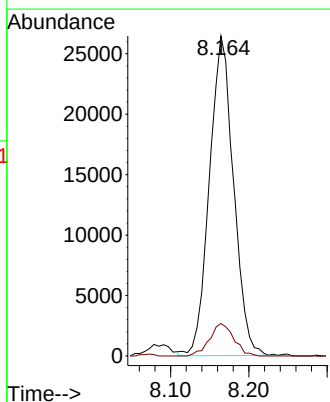
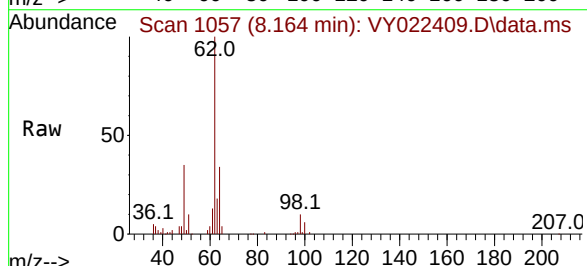
Acq: 23 May 2025 16:28

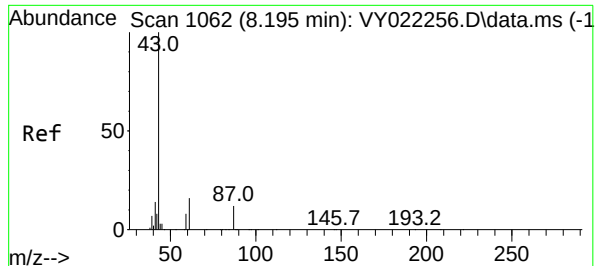
Tgt Ion: 62 Resp: 56548

Ion Ratio Lower Upper

62 100

98 10.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.681 ug/l

RT: 8.207 min Scan# 1064

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

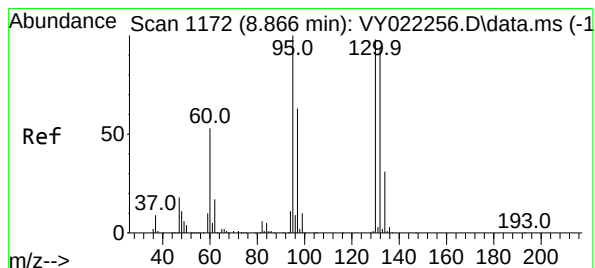
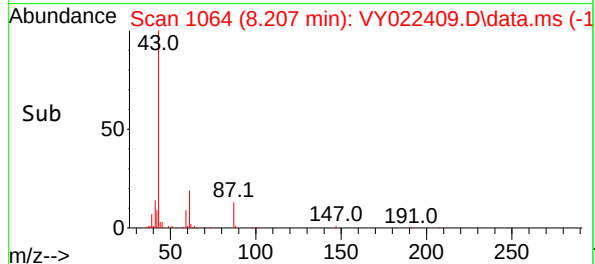
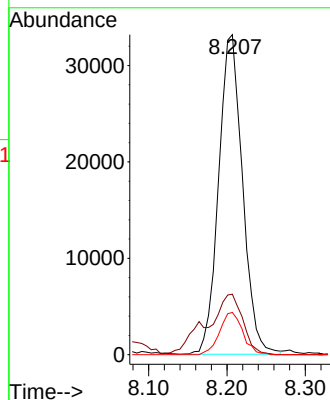
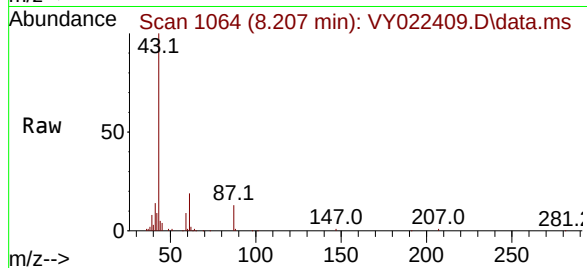
VY0523SBS01

Tgt Ion: 43	Resp: 70370
Ion Ratio	Lower Upper
43 100	
61 20.2	15.1 22.7
87 12.8	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#44

Trichloroethene

Concen: 20.806 ug/l

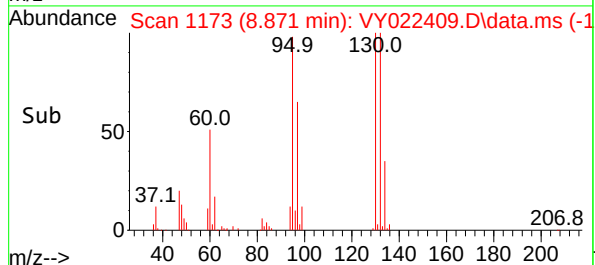
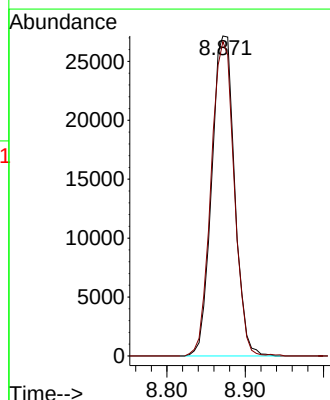
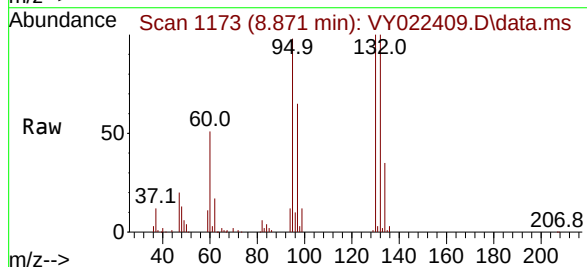
RT: 8.871 min Scan# 1173

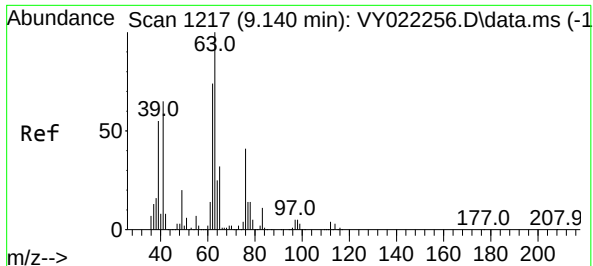
Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:130	Resp: 55056
Ion Ratio	Lower Upper
130 100	
95 98.2	0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.991 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 63 Resp: 5129

Ion Ratio Lower Upper

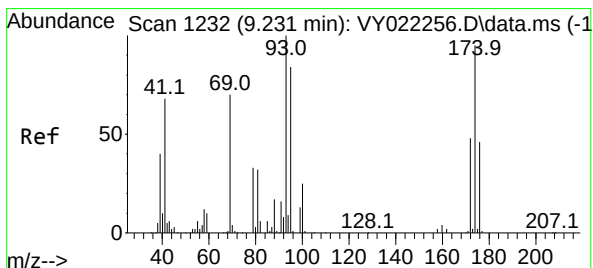
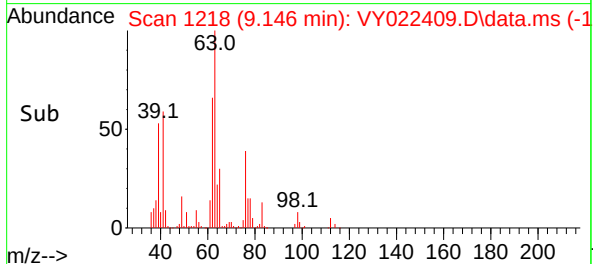
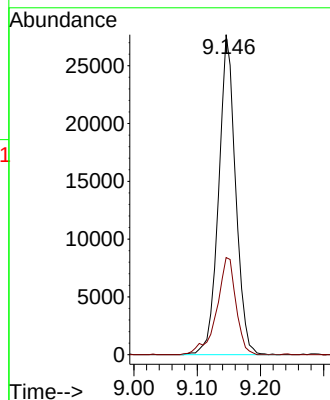
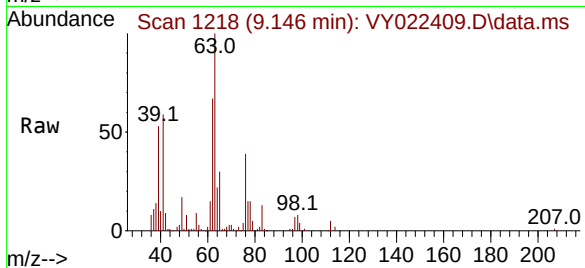
63 100

65 30.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#46

Dibromomethane

Concen: 20.659 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

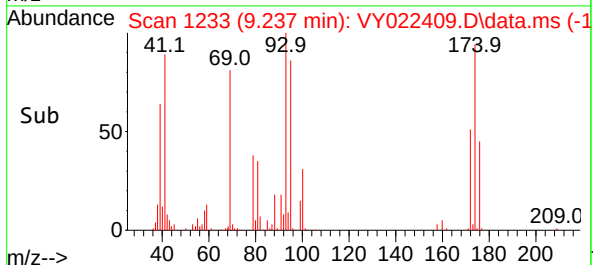
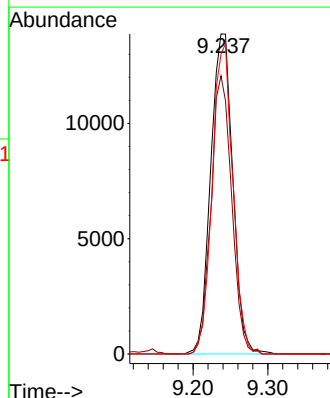
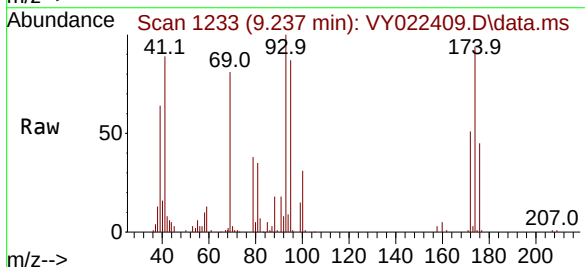
Tgt Ion: 93 Resp: 28589

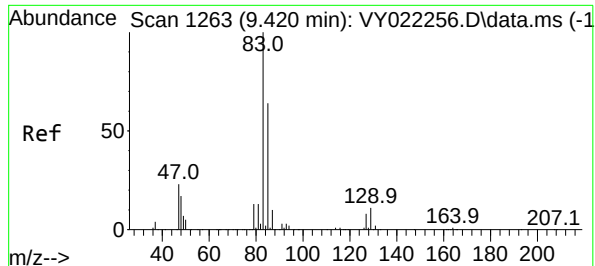
Ion Ratio Lower Upper

93 100

95 81.1 65.2 97.8

174 90.9 74.3 111.5





#47

Bromodichloromethane

Concen: 19.978 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

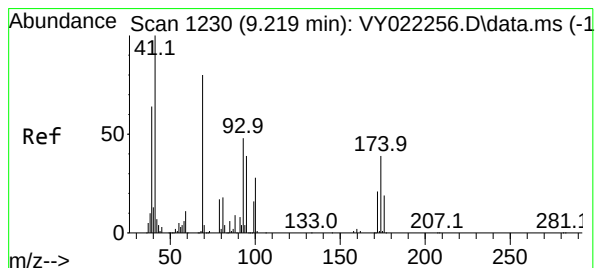
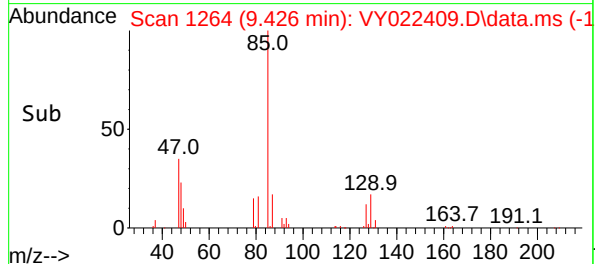
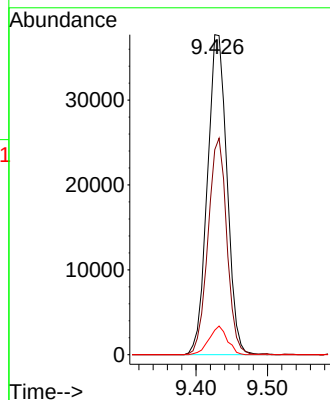
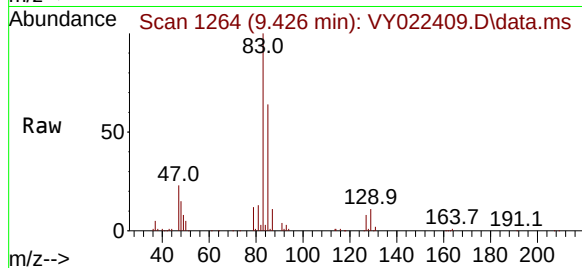
VY0523SBS01

Tgt Ion:	83	Resp:	71724
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.1	76.7
127	7.7	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#48

Methyl methacrylate

Concen: 17.434 ug/l

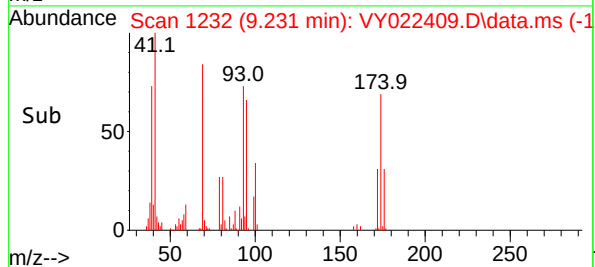
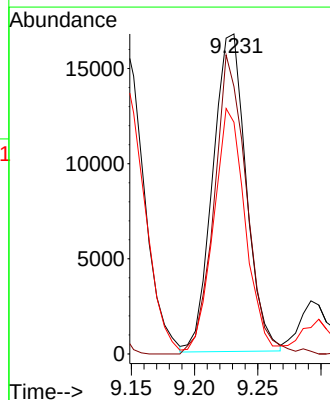
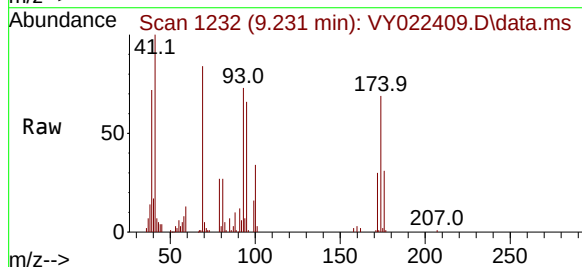
RT: 9.231 min Scan# 1232

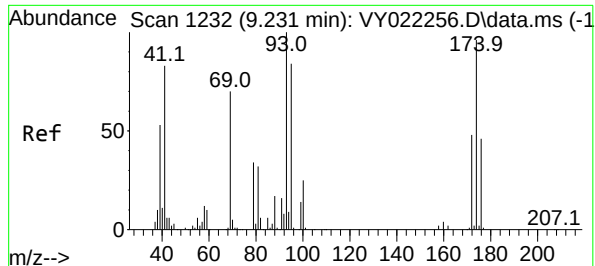
Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:	41	Resp:	30712
Ion Ratio	Lower	Upper	
41	100		
69	90.6	63.5	95.3
39	72.0	50.8	76.2





#49

1,4-Dioxane

Concen: 389.226 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 88 Resp: 608

Ion Ratio Lower Upper

88 100

43 35.6 28.5 42.7

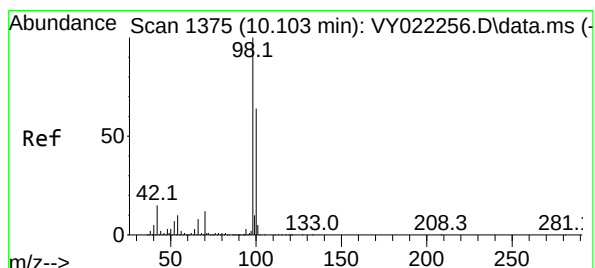
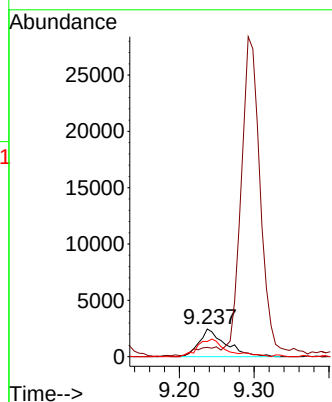
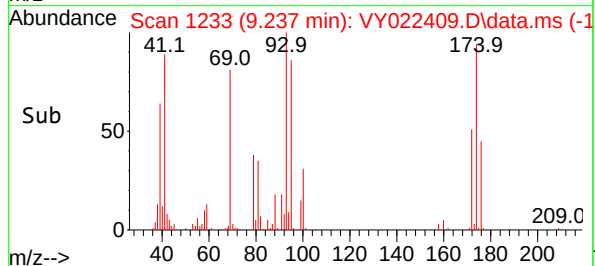
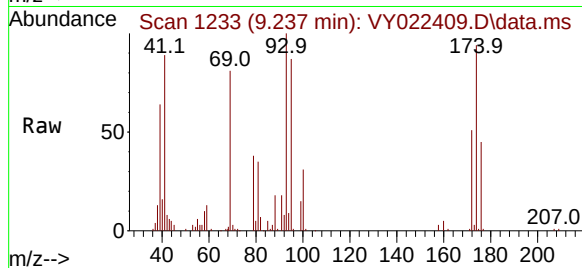
58 68.0 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#50

Toluene-d8

Concen: 53.519 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022409.D

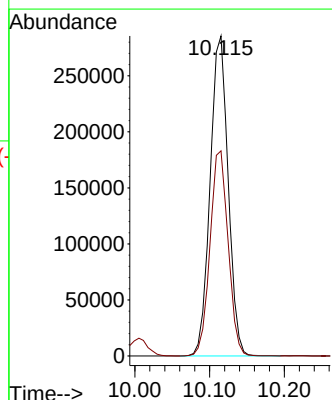
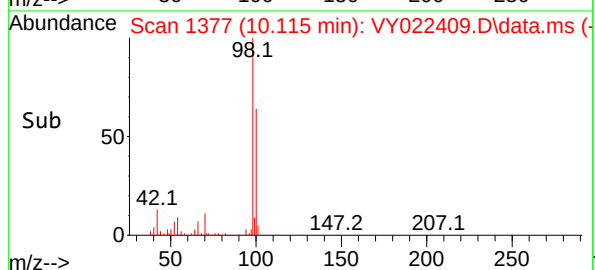
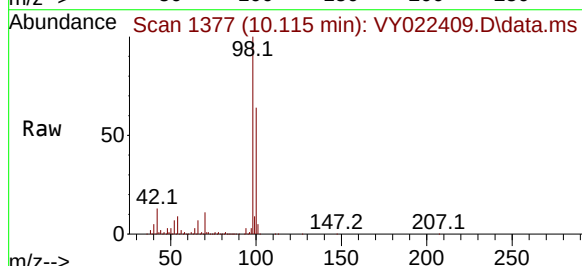
Acq: 23 May 2025 16:28

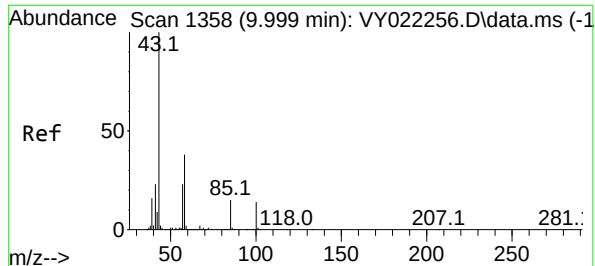
Tgt Ion: 98 Resp: 477724

Ion Ratio Lower Upper

98 100

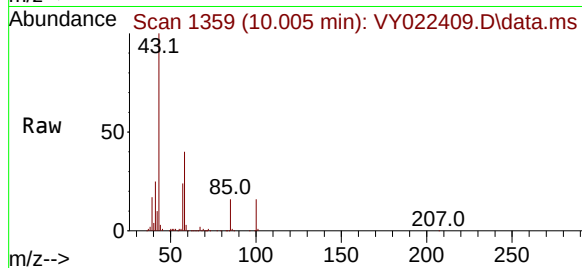
100 64.5 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 92.790 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

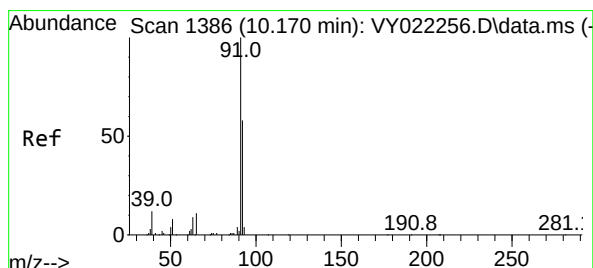
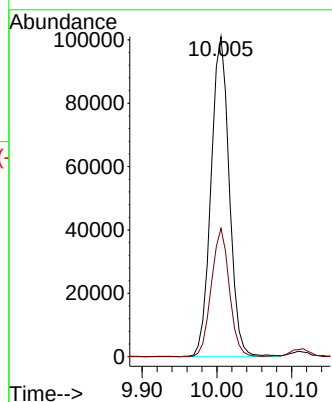
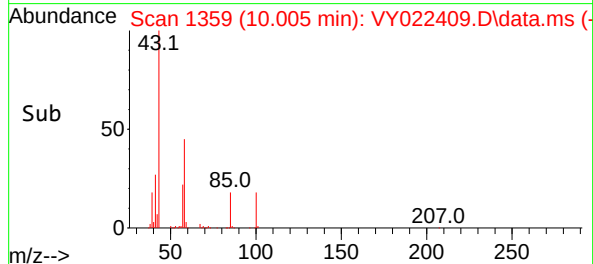
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 43 Resp: 171509
Ion Ratio Lower Upper
43 100
58 39.5 29.4 44.2

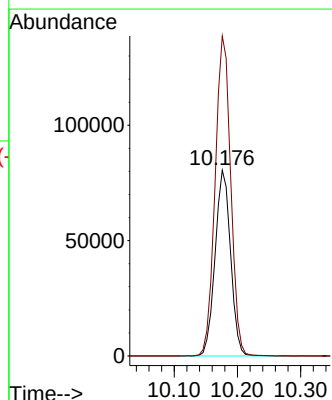
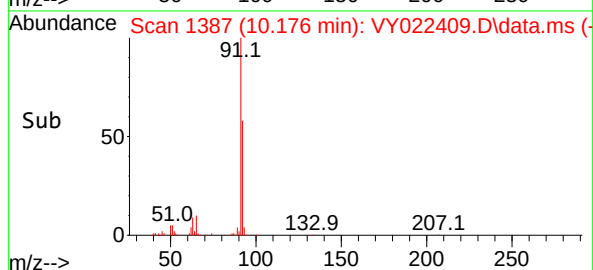
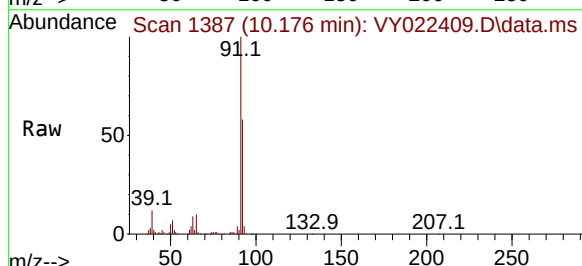
Manual Integrations
APPROVED

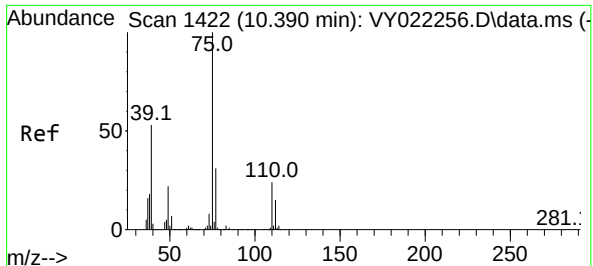
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#52
Toluene
Concen: 20.220 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

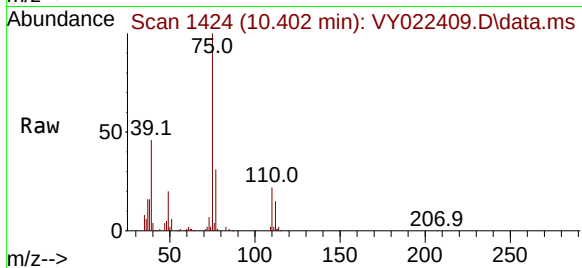
Tgt Ion: 92 Resp: 136262
Ion Ratio Lower Upper
92 100
91 173.6 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 19.603 ug/l
RT: 10.402 min Scan# 1422
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

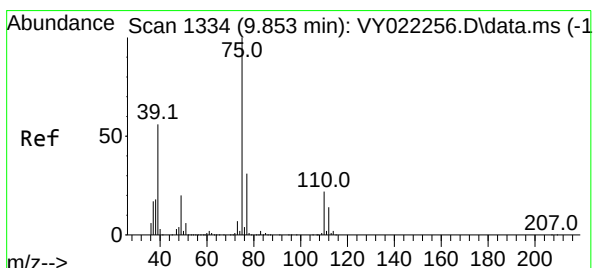
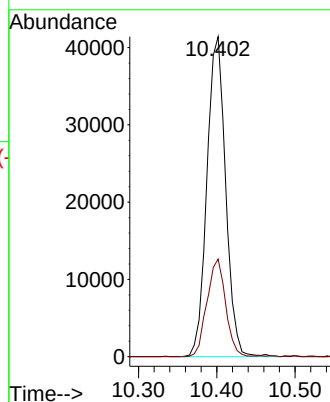
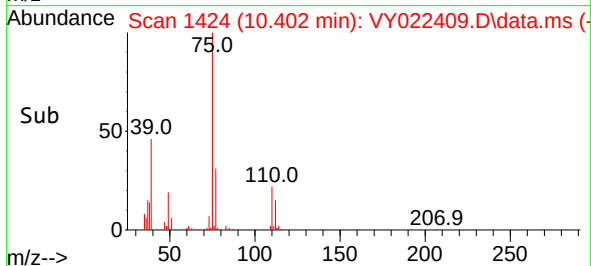
Instrument : MSVOA_Y
ClientSampleId : VY0523SBS01



Tgt Ion: 75 Resp: 6868
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.6

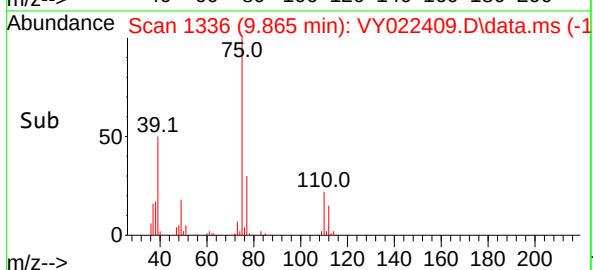
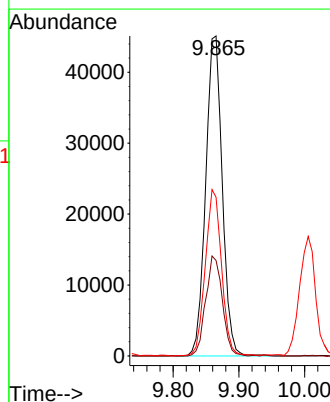
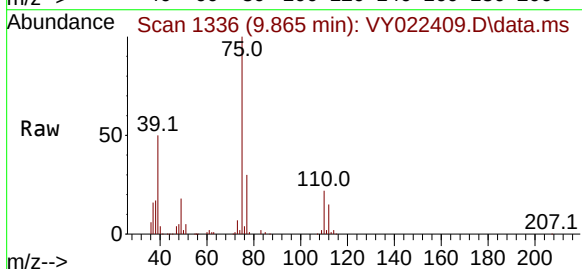
Manual Integrations
APPROVED

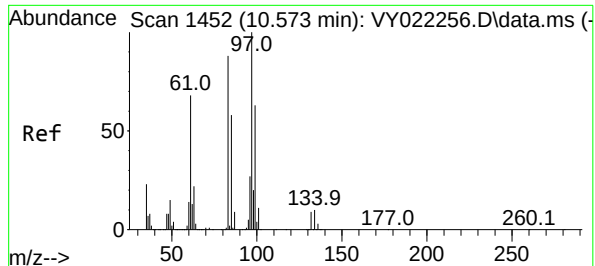
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#54
cis-1,3-Dichloropropene
Concen: 19.702 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 75 Resp: 79085
Ion Ratio Lower Upper
75 100
77 29.9 25.1 37.7
39 49.5 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 20.168 ug/l

RT: 10.578 min Scan# 1452

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 97 Resp: 35739

Ion Ratio Lower Upper

97 100

83 93.7 70.3 105.5

85 53.0 46.2 69.4

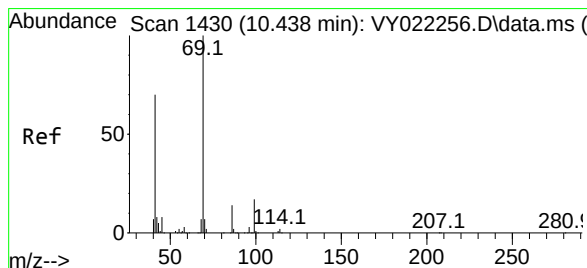
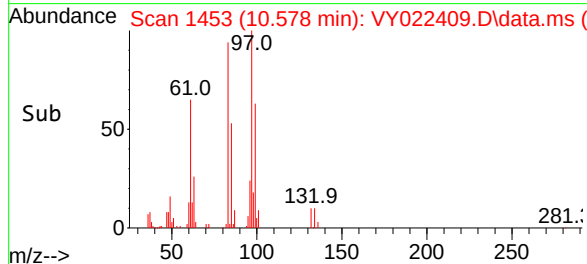
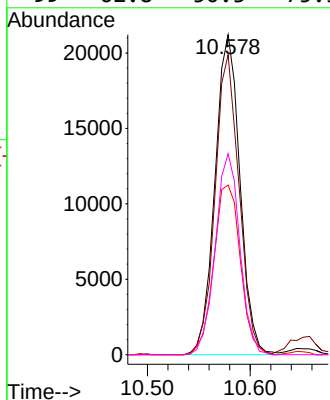
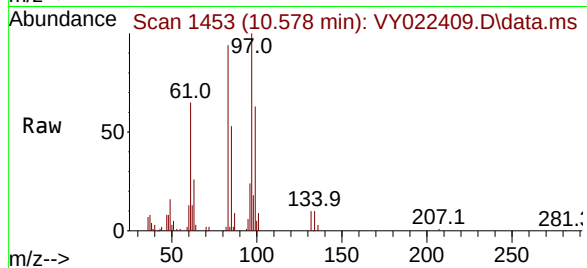
99 62.8 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#56

Ethyl methacrylate

Concen: 19.889 ug/l

RT: 10.444 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

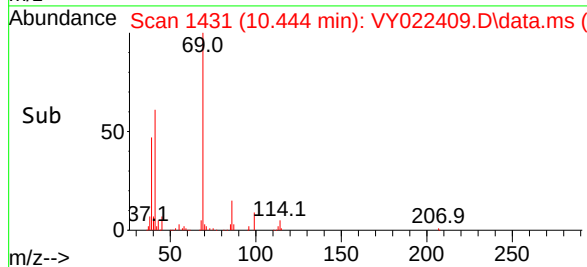
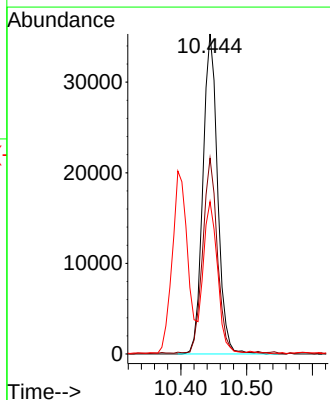
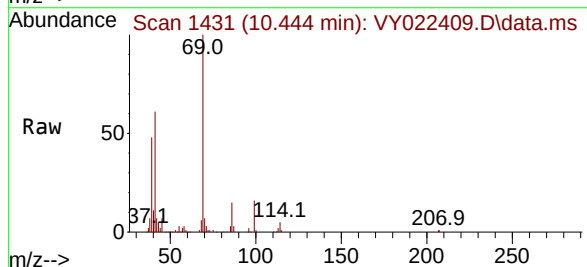
Tgt Ion: 69 Resp: 54901

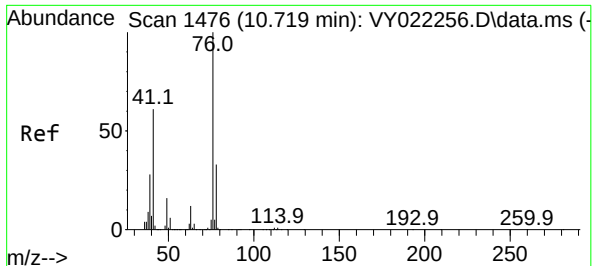
Ion Ratio Lower Upper

69 100

41 61.0 56.5 84.7

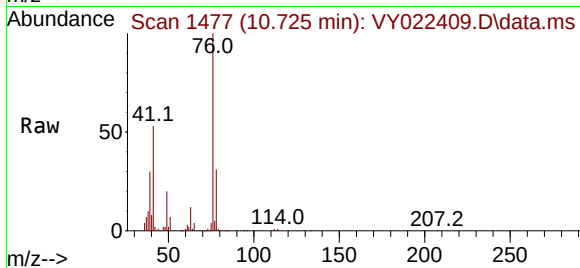
39 44.3 37.1 55.7





#57
1,3-Dichloropropane
Concen: 20.578 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

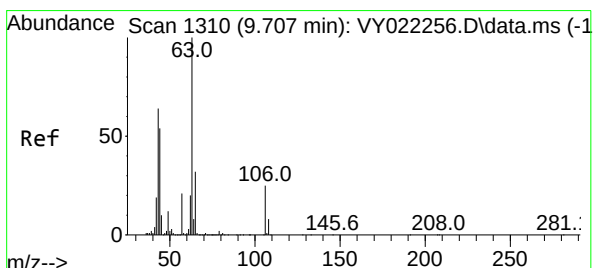
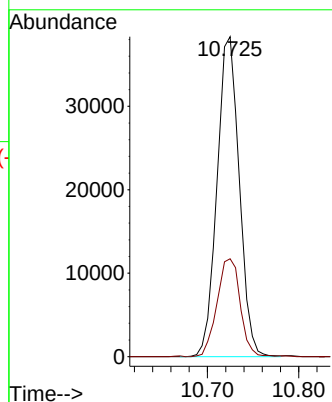
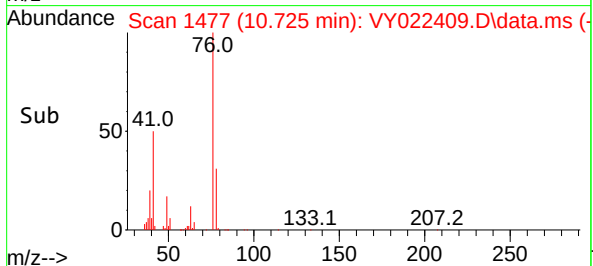
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



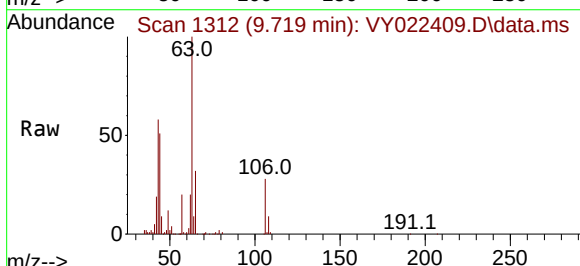
Tgt Ion: 76 Resp: 6479
Ion Ratio Lower Upper
76 100
78 32.1 25.8 38.8

Manual Integrations
APPROVED

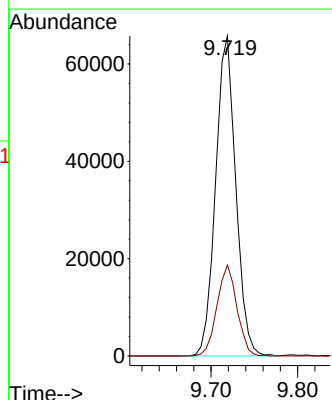
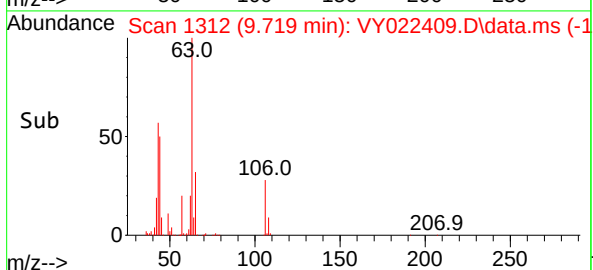
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

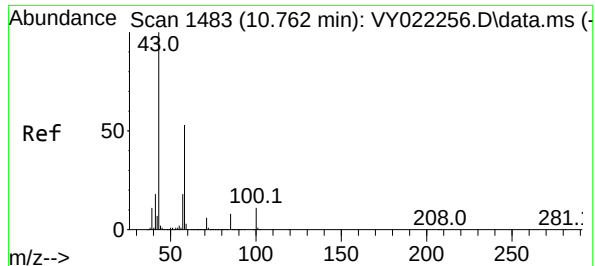


#58
2-Chloroethyl Vinyl ether
Concen: 85.834 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28



Tgt Ion: 63 Resp: 106348
Ion Ratio Lower Upper
63 100
106 28.0 21.0 31.4





#59

2-Hexanone

Concen: 102.550 ug/l

RT: 10.767 min Scan# 1483

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 43 Resp: 127089

Ion Ratio Lower Upper

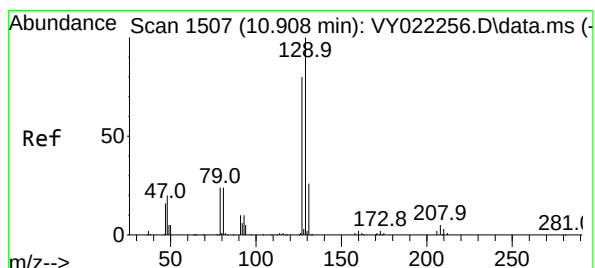
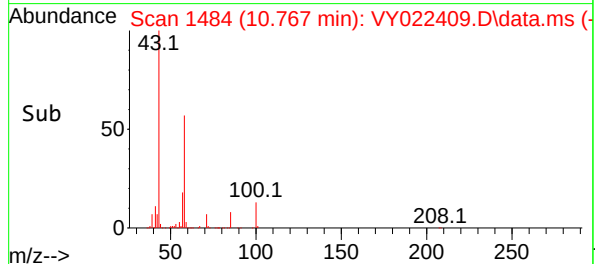
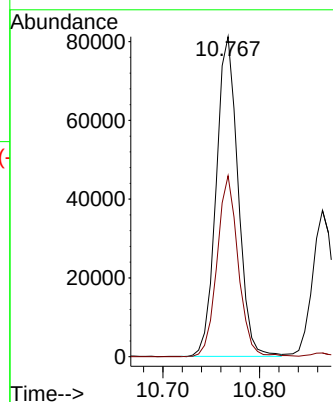
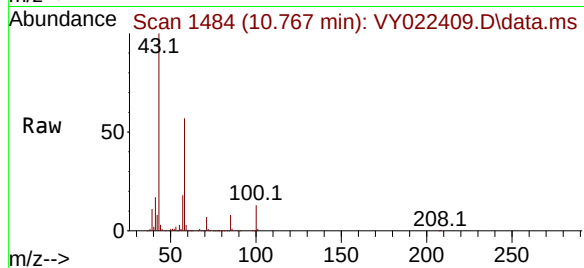
43 100

58 54.9 26.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#60

Dibromochloromethane

Concen: 20.398 ug/l

RT: 10.920 min Scan# 1509

Delta R.T. 0.012 min

Lab File: VY022409.D

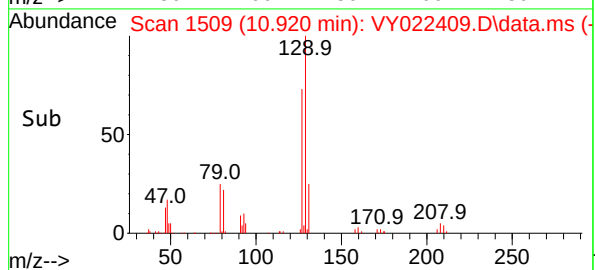
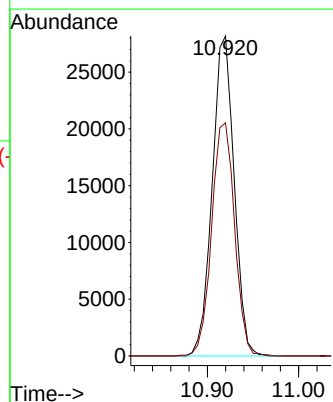
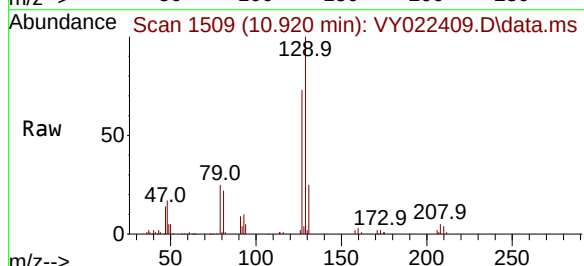
Acq: 23 May 2025 16:28

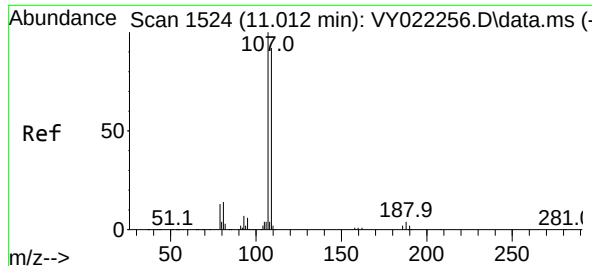
Tgt Ion:129 Resp: 46918

Ion Ratio Lower Upper

129 100

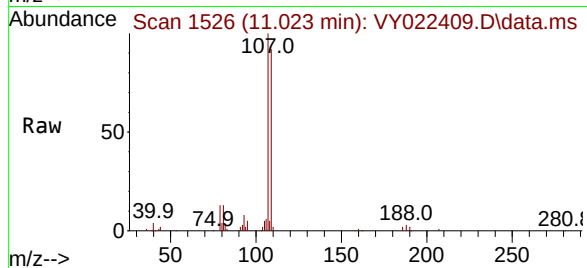
127 76.4 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.674 ug/l
RT: 11.023 min Scan# 1526
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

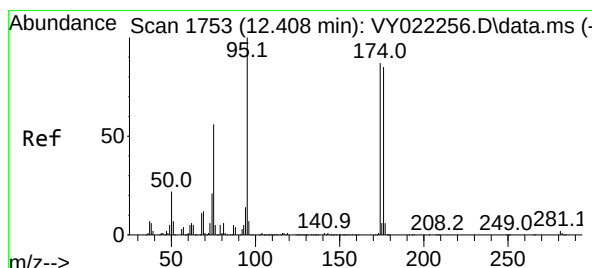
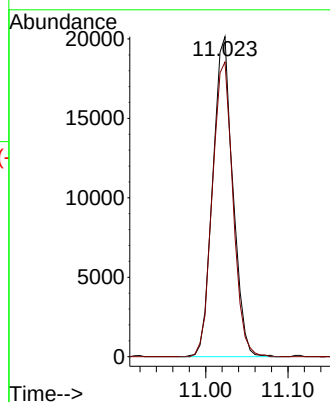
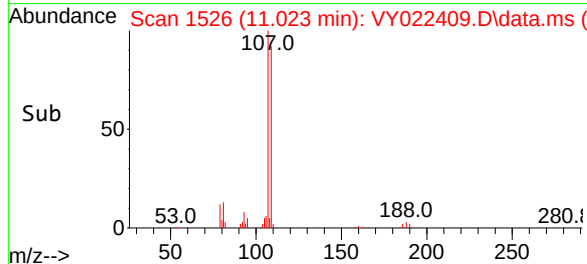
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion:107 Resp: 34140
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8

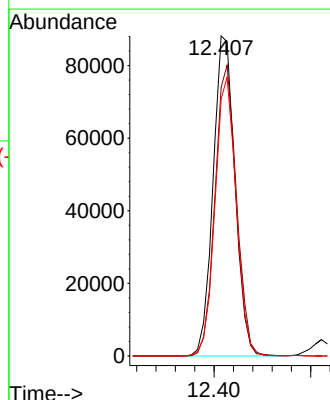
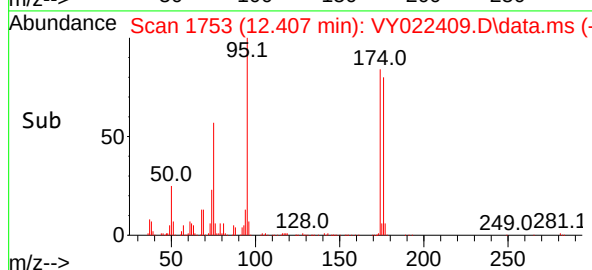
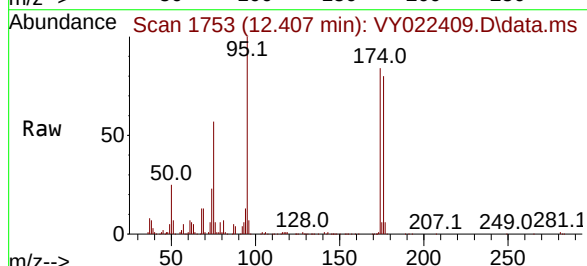
Manual Integrations
APPROVED

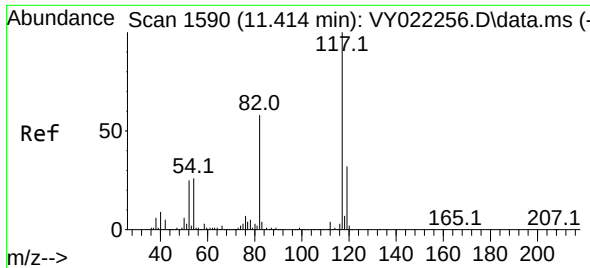
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#62
4-Bromofluorobenzene
Concen: 48.757 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

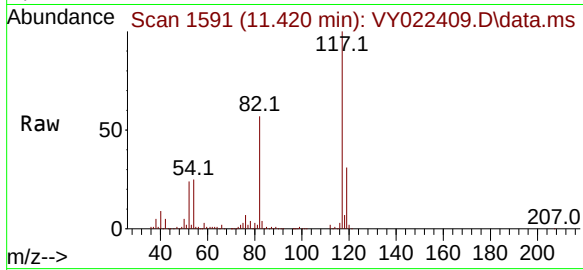
Tgt Ion: 95 Resp: 137951
Ion Ratio Lower Upper
95 100
174 89.3 0.0 166.8
176 84.6 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

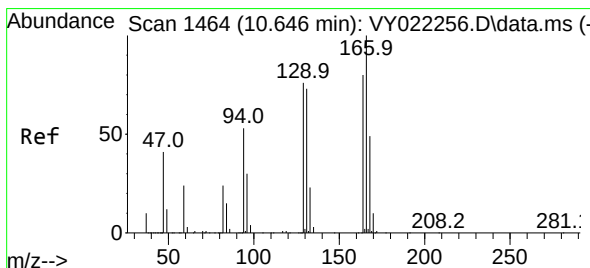
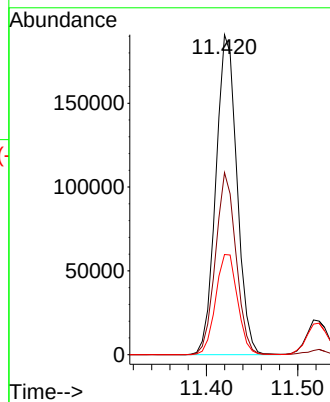
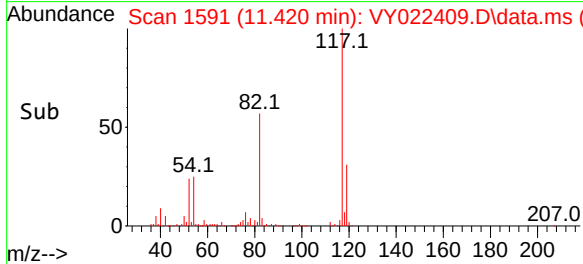
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion:117 Resp: 30645
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 31.3 25.8 38.6

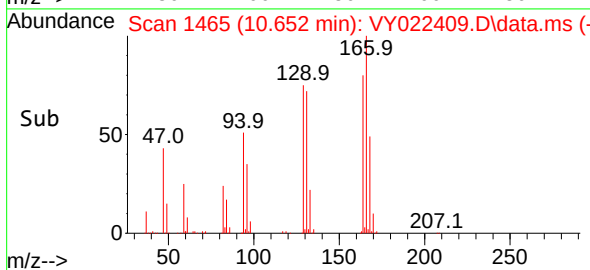
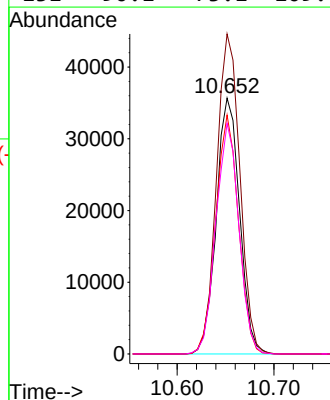
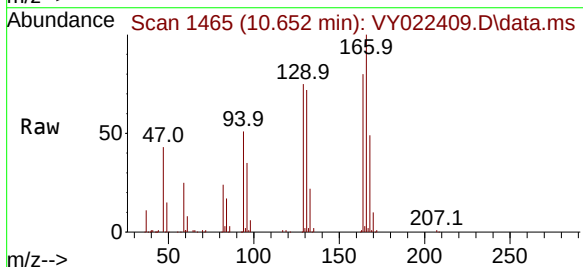
Manual Integrations
APPROVED

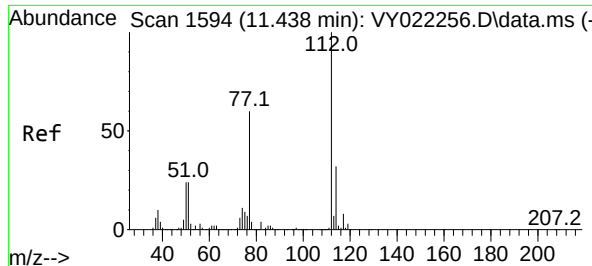
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#64
Tetrachloroethene
Concen: 21.065 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:164 Resp: 59668
Ion Ratio Lower Upper
164 100
166 125.1 100.4 150.6
129 93.4 76.4 114.6
131 90.1 73.1 109.7





#65

Chlorobenzene

Concen: 20.547 ug/l

RT: 11.450 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:112 Resp: 142059

Ion Ratio Lower Upper

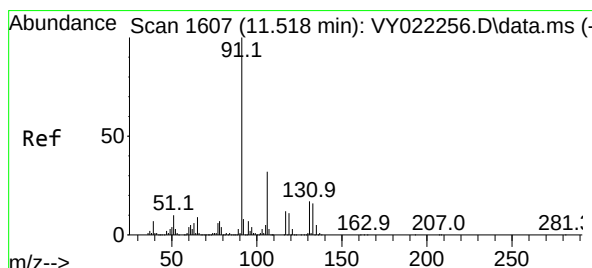
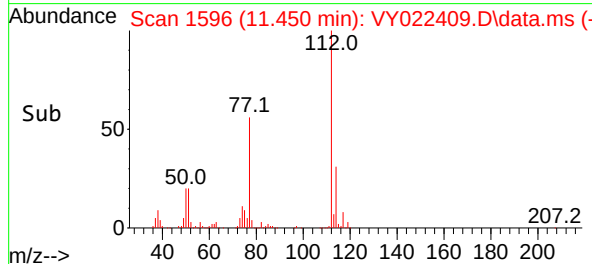
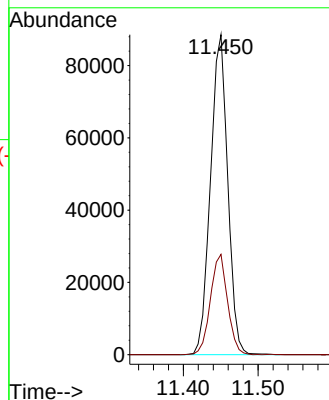
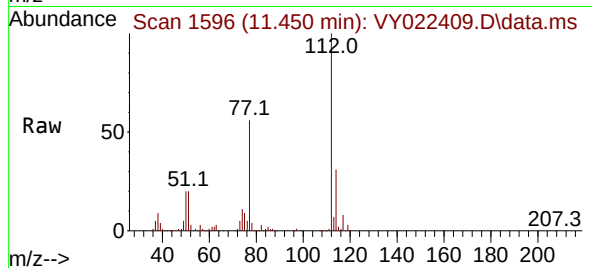
112 100

114 31.4 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.078 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

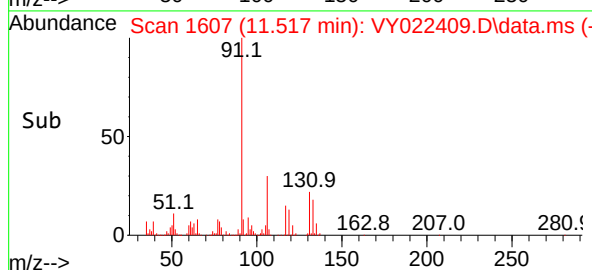
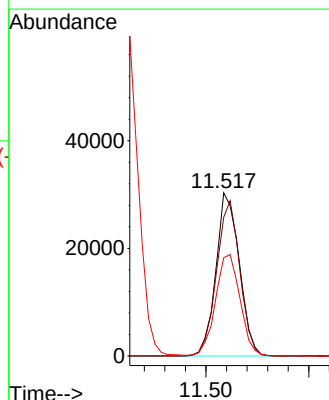
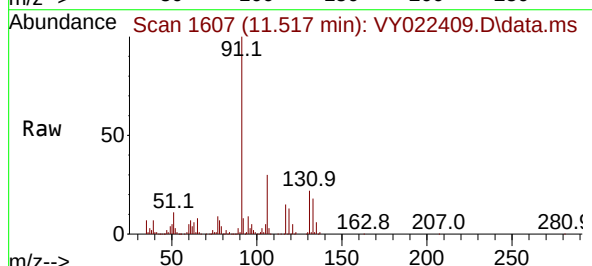
Tgt Ion:131 Resp: 47723

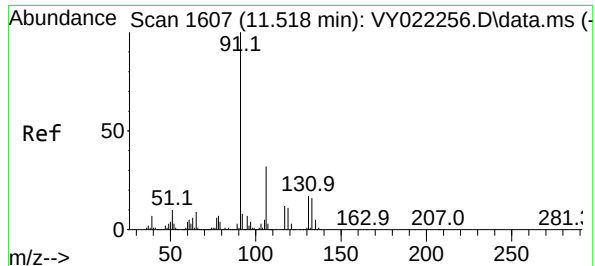
Ion Ratio Lower Upper

131 100

133 94.9 47.3 141.9

119 65.4 33.1 99.2





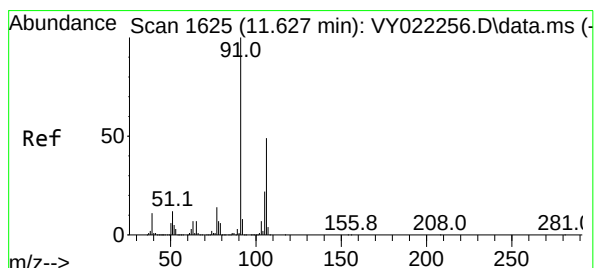
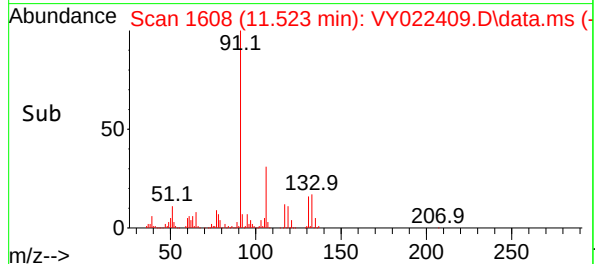
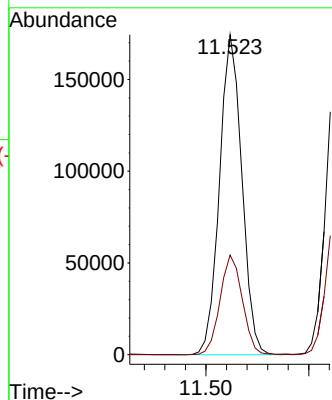
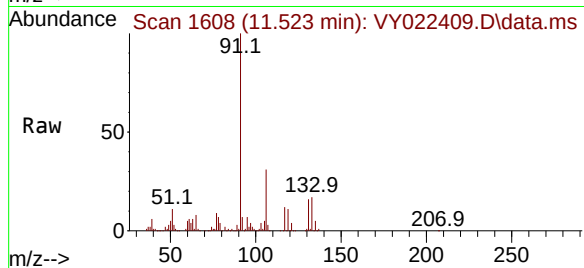
#67
Ethyl Benzene
Concen: 20.286 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

Tgt Ion: 91 Resp: 26266
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

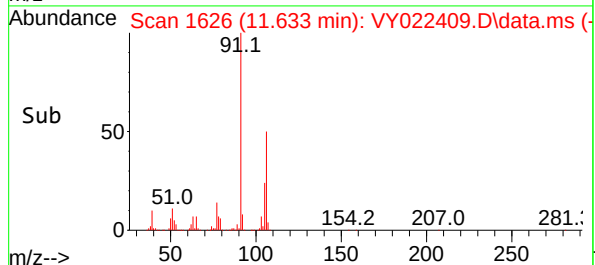
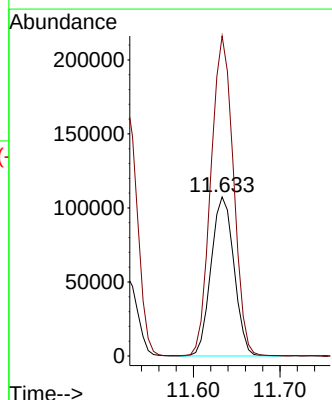
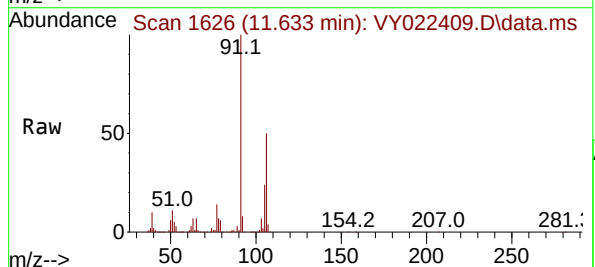
Manual Integrations
APPROVED

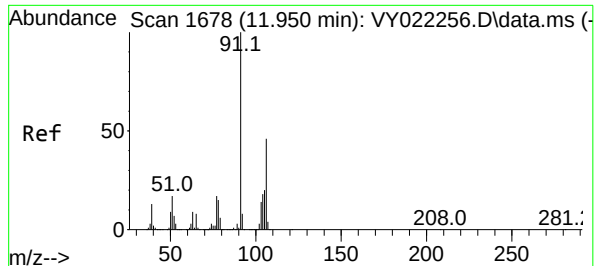
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#68
m/p-Xylenes
Concen: 40.555 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:106 Resp: 197872
Ion Ratio Lower Upper
106 100
91 197.5 163.0 244.4





#69

o-Xylene

Concen: 19.908 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:106 Resp: 91898

Ion Ratio Lower Upper

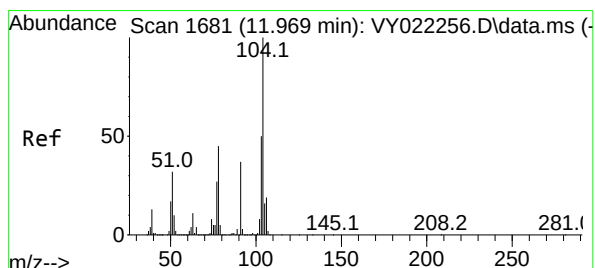
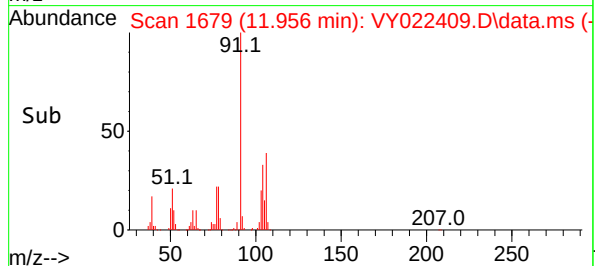
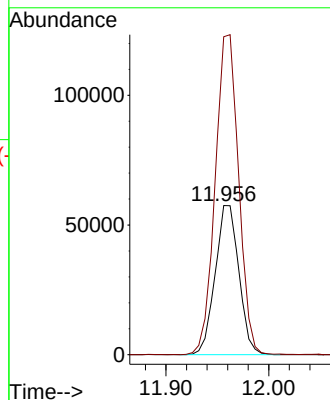
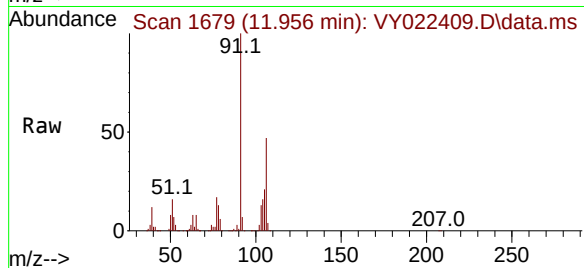
106 100

91 212.8 108.3 324.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#70

Styrene

Concen: 19.765 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

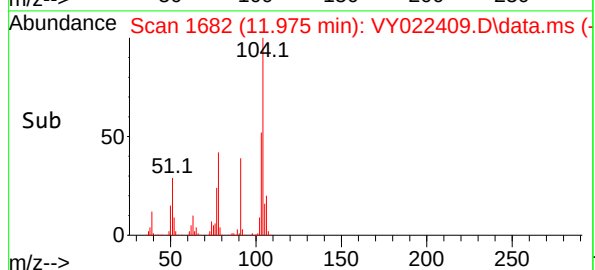
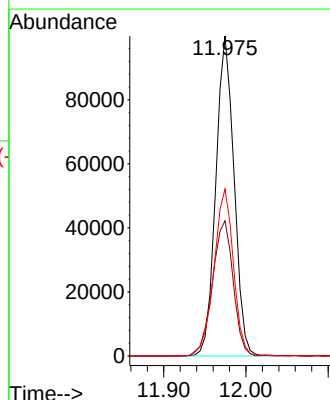
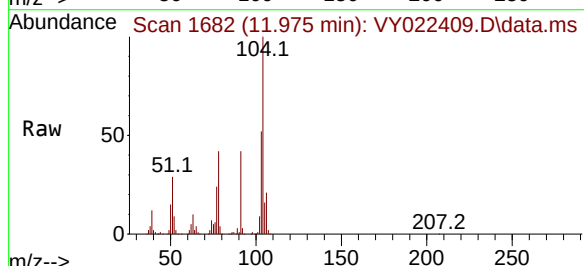
Tgt Ion:104 Resp: 153910

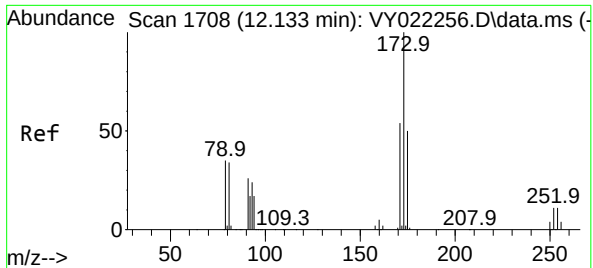
Ion Ratio Lower Upper

104 100

78 47.9 40.9 61.3

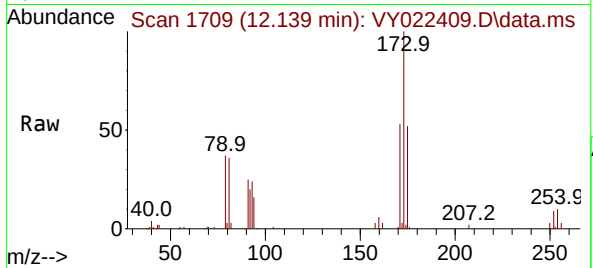
103 55.7 43.7 65.5





#71
Bromoform
Concen: 19.951 ug/l
RT: 12.139 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

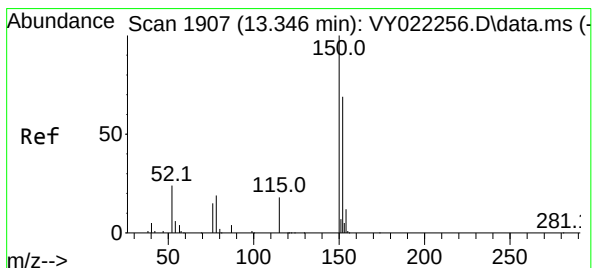
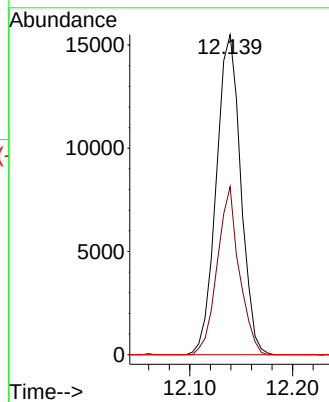
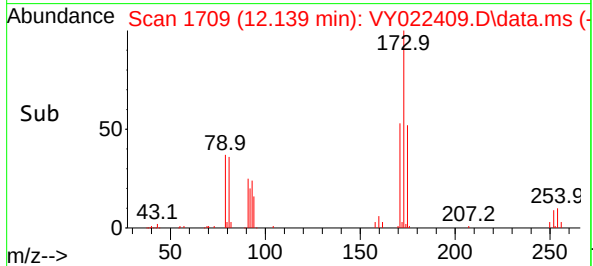
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



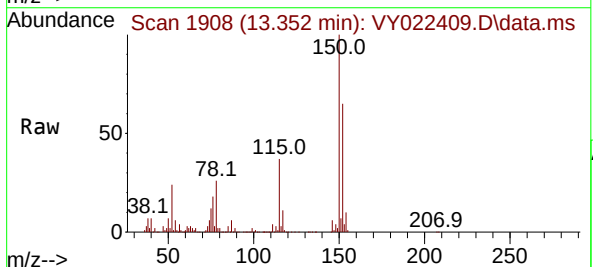
Tgt Ion:173 Resp: 25590
Ion Ratio Lower Upper
173 100
175 47.2 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

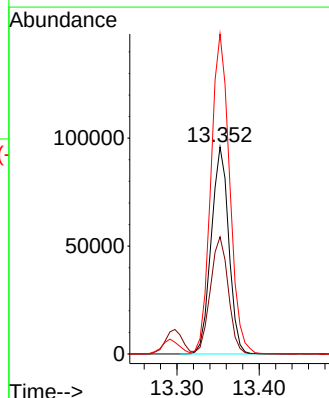
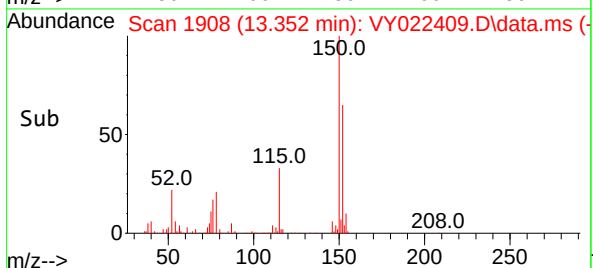
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

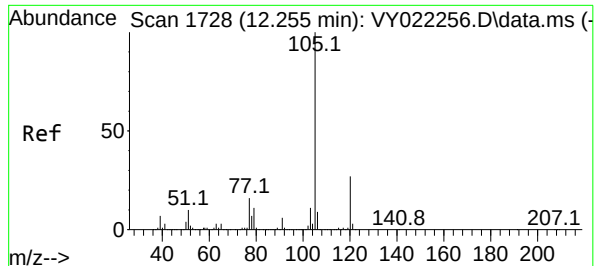


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28



Tgt Ion:152 Resp: 141917
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.2
150 164.9 0.0 353.8





#73

Isopropylbenzene

Concen: 21.034 ug/l

RT: 12.261 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:105 Resp: 24730

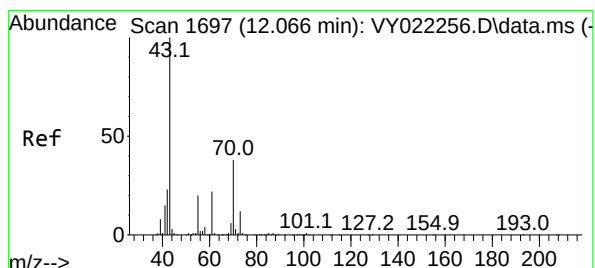
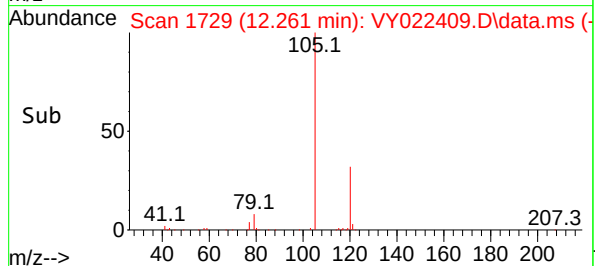
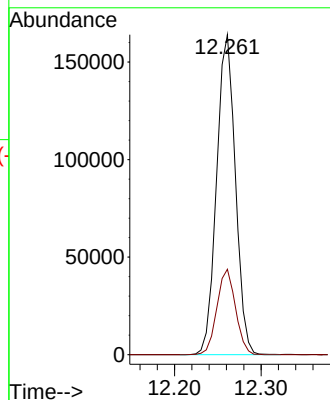
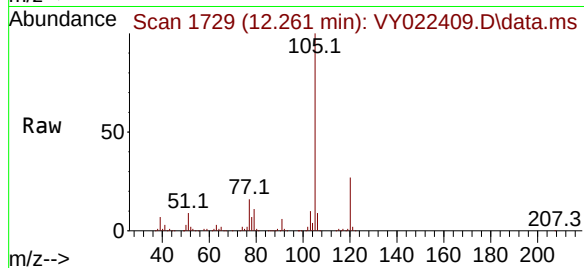
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

#74

N-ethyl acetate

Concen: 18.223 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion: 43 Resp: 61277

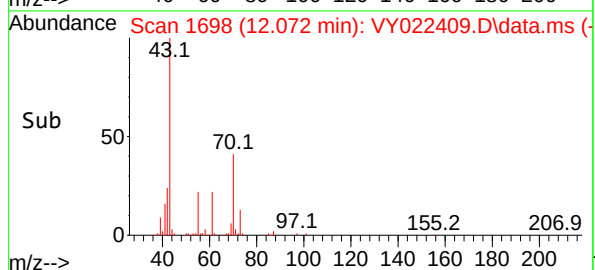
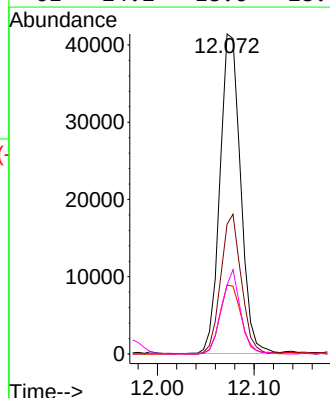
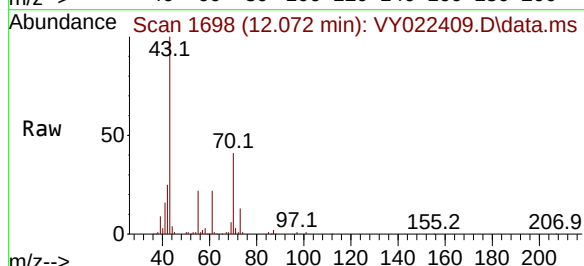
Ion Ratio Lower Upper

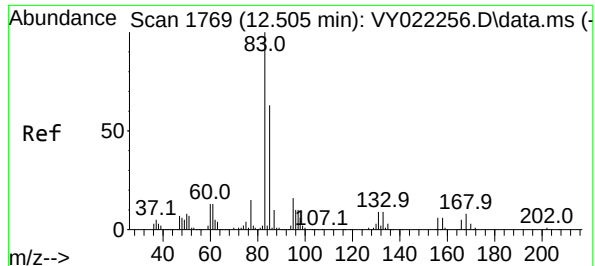
43 100

70 43.4 31.4 47.0

55 22.3 17.0 25.6

61 24.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.883 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 83 Resp: 3775

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

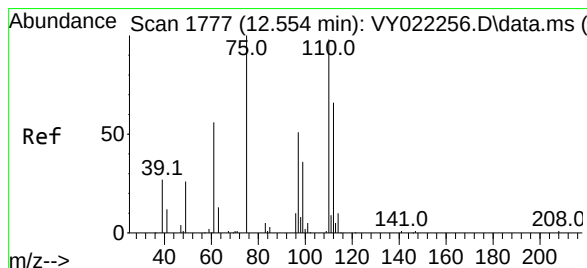
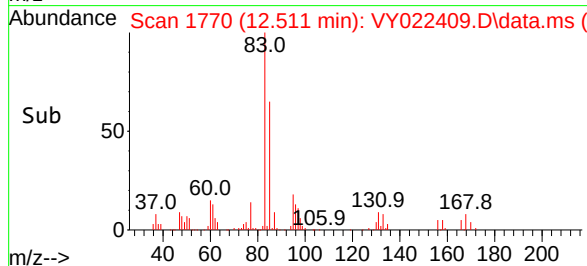
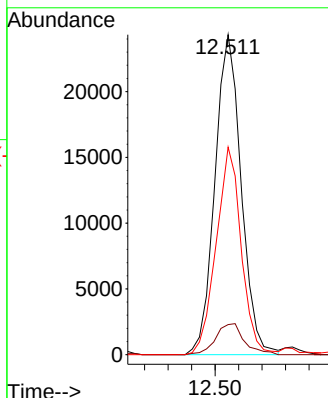
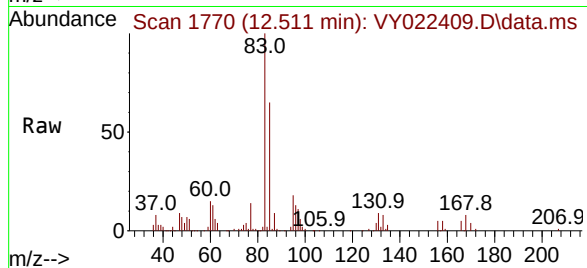
85 62.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#76

1,2,3-Trichloropropane

Concen: 20.398 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022409.D

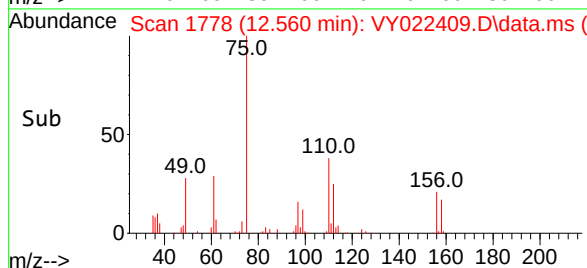
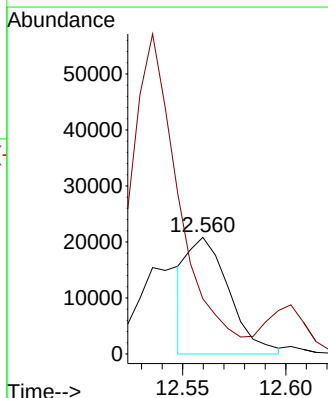
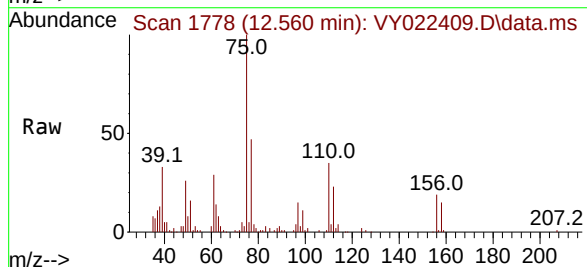
Acq: 23 May 2025 16:28

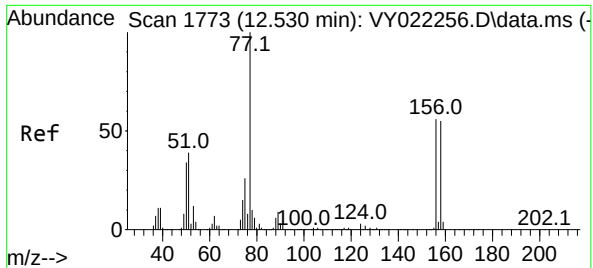
Tgt Ion: 75 Resp: 29327

Ion Ratio Lower Upper

75 100

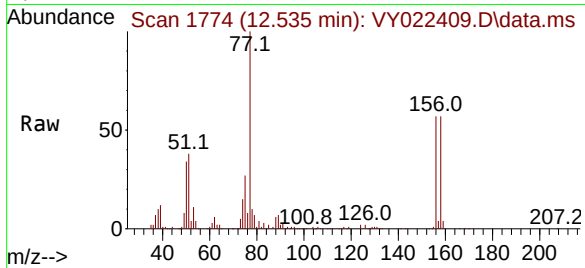
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 20.854 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

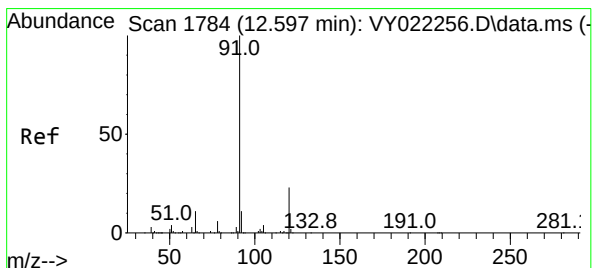
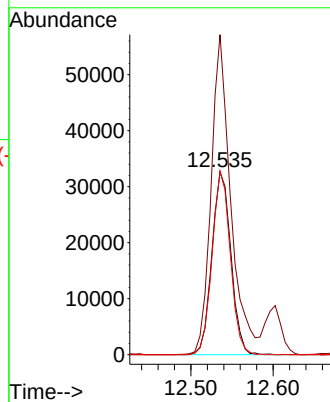
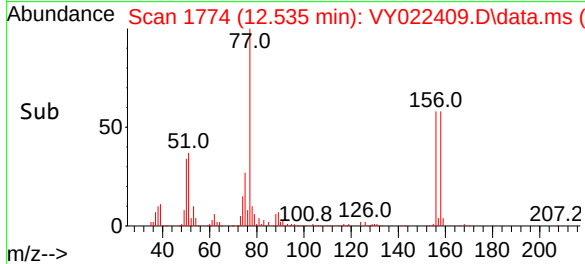
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



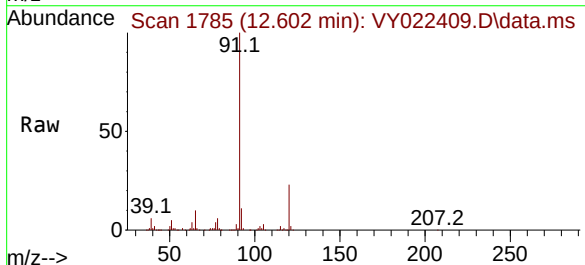
Tgt Ion: 156 Resp: 5236
Ion Ratio Lower Upper
156 100
77 179.6 94.5 283.6
158 96.3 48.4 145.3

Manual Integrations
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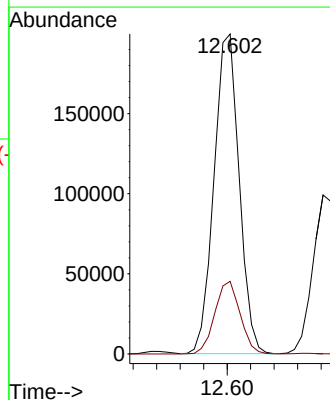
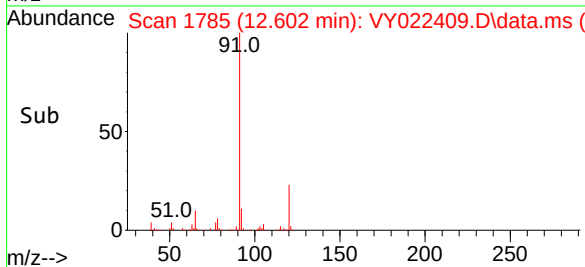
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025

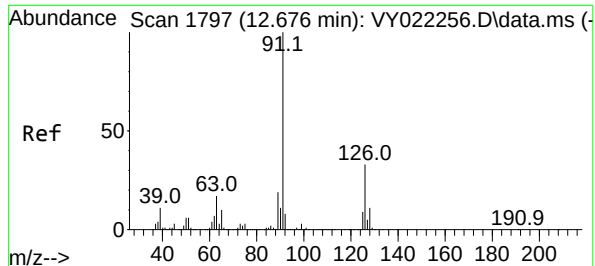


#78
n-propylbenzene
Concen: 20.885 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28



Tgt Ion: 91 Resp: 296181
Ion Ratio Lower Upper
91 100
120 22.9 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.979 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 91 Resp: 15570

Ion Ratio Lower Upper

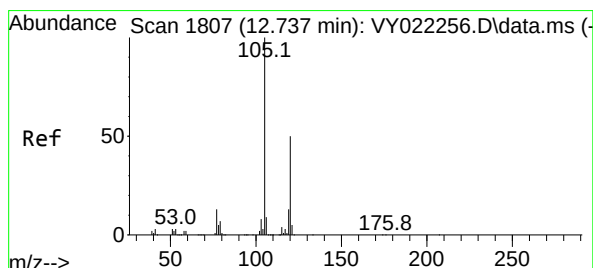
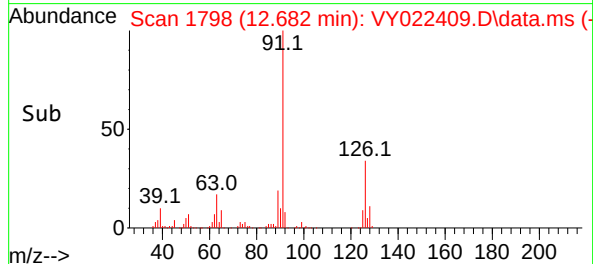
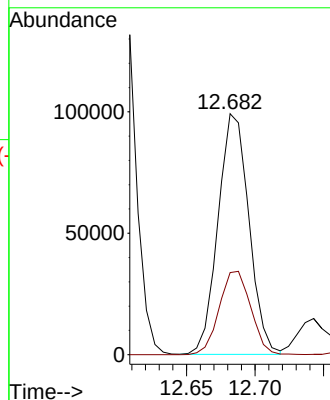
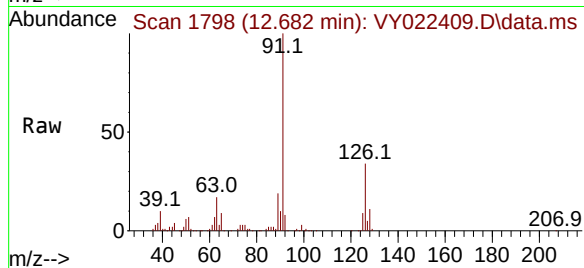
91 100

126 35.3 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.182 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022409.D

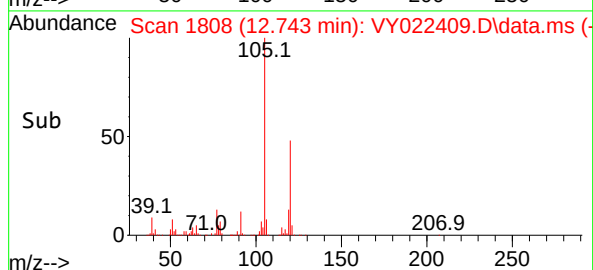
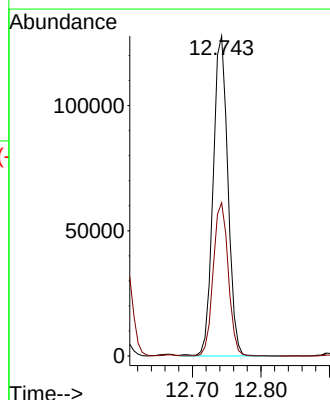
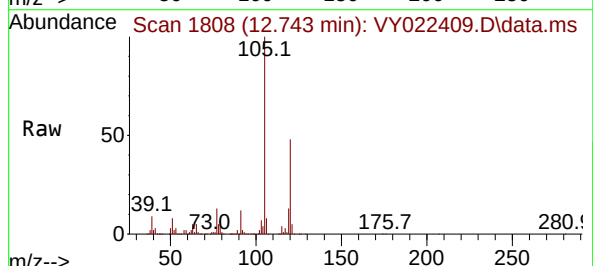
Acq: 23 May 2025 16:28

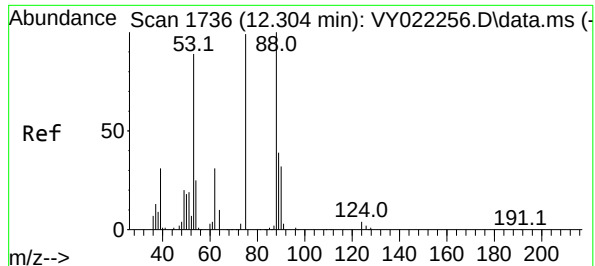
Tgt Ion:105 Resp: 191546

Ion Ratio Lower Upper

105 100

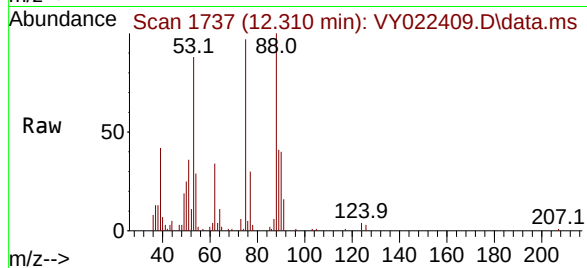
120 48.7 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.400 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

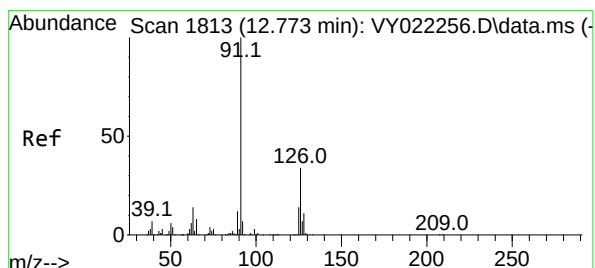
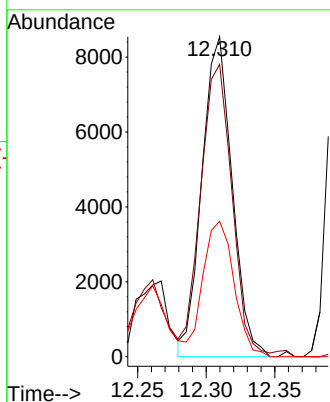
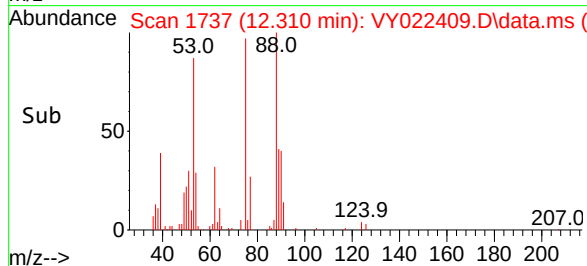
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion: 75 Resp: 13059
Ion Ratio Lower Upper
75 100
53 95.8 75.8 113.8
89 43.4 36.2 54.2

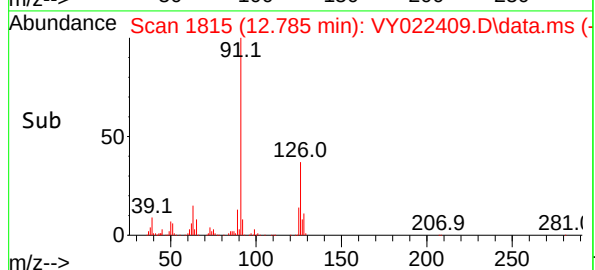
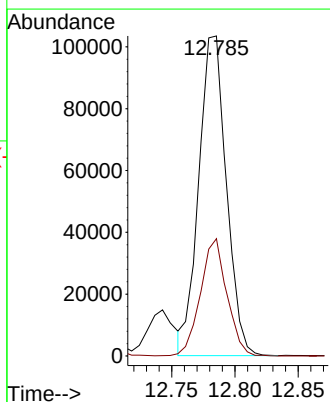
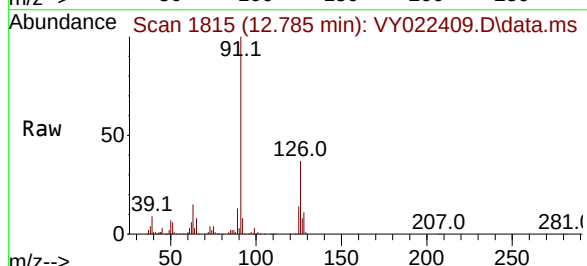
Manual Integrations
APPROVED

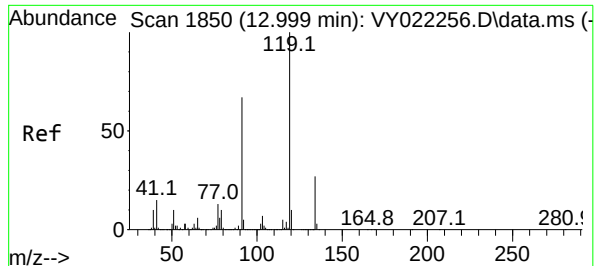
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#82
4-Chlorotoluene
Concen: 19.626 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 91 Resp: 157322
Ion Ratio Lower Upper
91 100
126 35.2 16.8 50.4





#83

tert-Butylbenzene

Concen: 20.841 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. 0.006 min

Lab File: VY022409.D

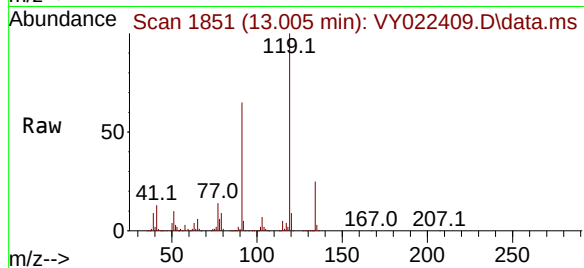
Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01



Tgt Ion:119 Resp: 175804

Ion Ratio Lower Upper

119 100

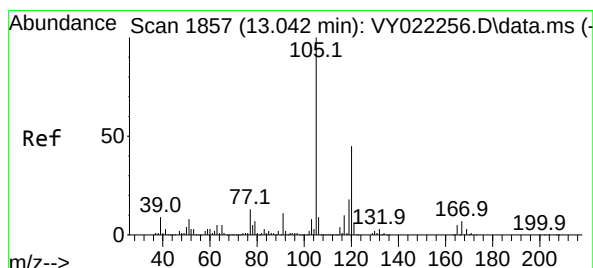
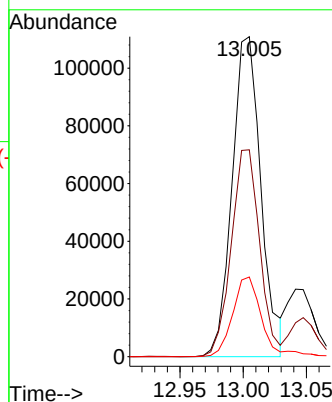
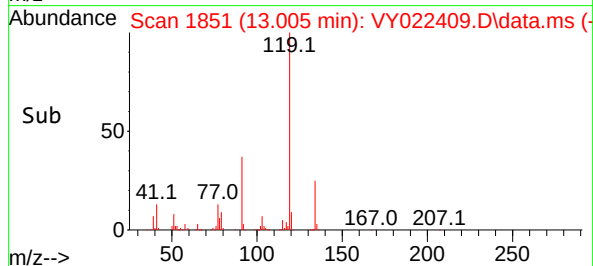
91 63.8 32.8 98.3

134 25.2 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#84

1,2,4-Trimethylbenzene

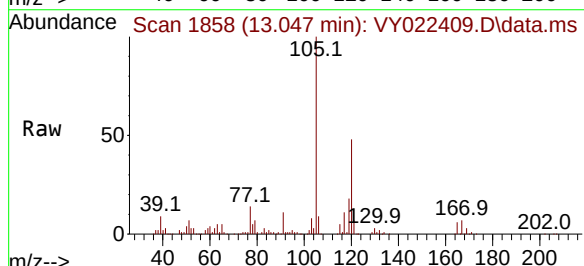
Concen: 19.994 ug/l

RT: 13.047 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

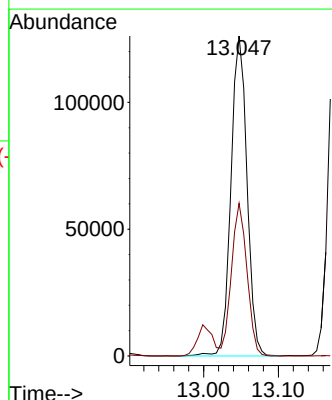
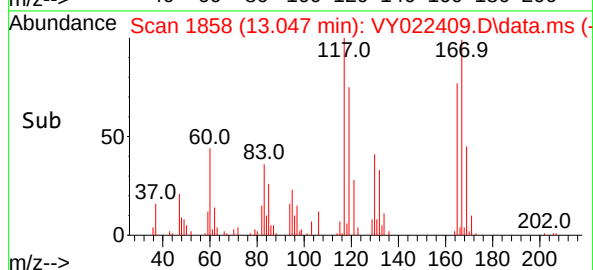


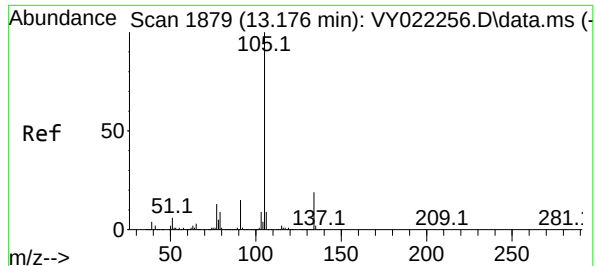
Tgt Ion:105 Resp: 188374

Ion Ratio Lower Upper

105 100

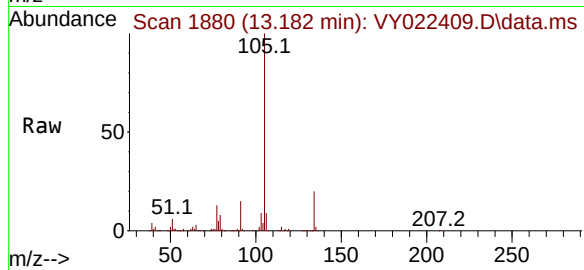
120 46.0 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 21.275 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28

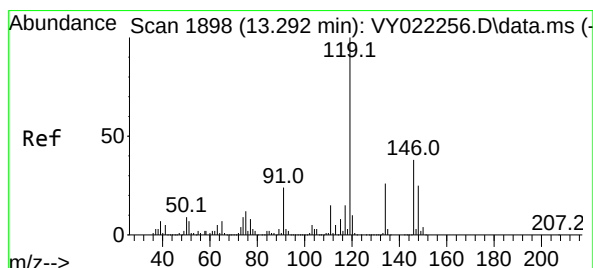
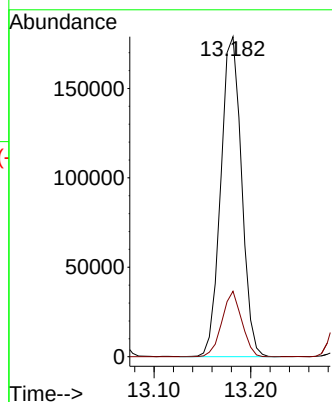
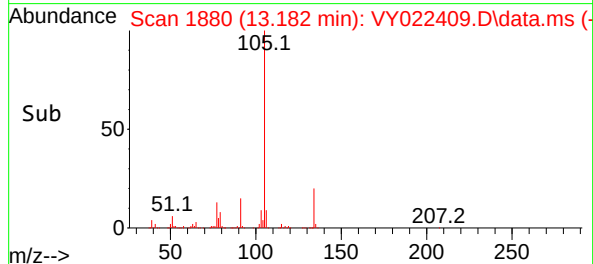
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01



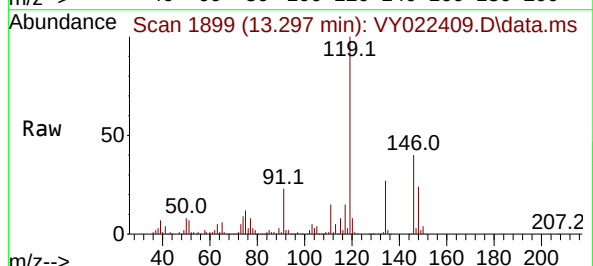
Tgt Ion:105 Resp: 26640
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

Manual Integrations
 APPROVED

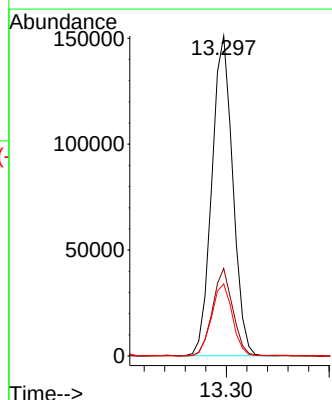
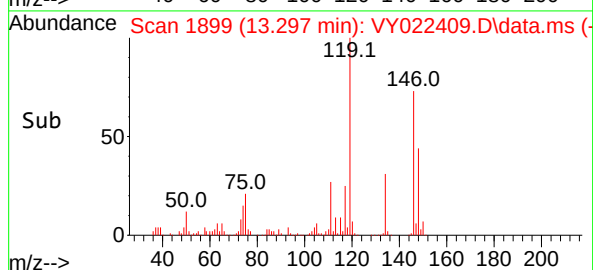
Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

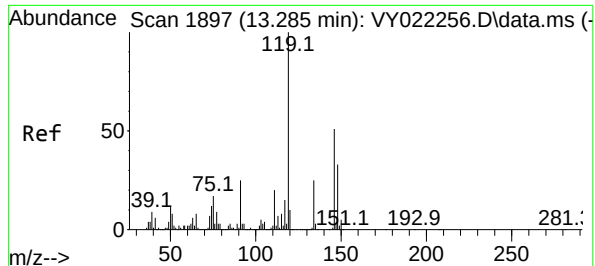


#86
 p-Isopropyltoluene
 Concen: 20.291 ug/l
 RT: 13.297 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28



Tgt Ion:119 Resp: 213699
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 22.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.186 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:146 Resp: 103478

Ion Ratio Lower Upper

146 100

111 38.4 19.9 59.7

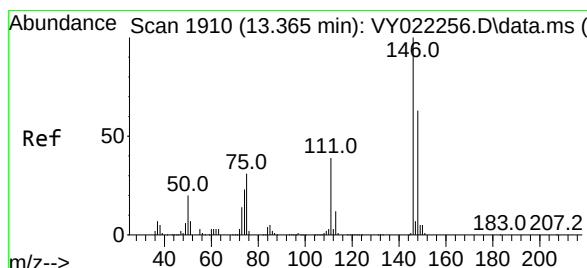
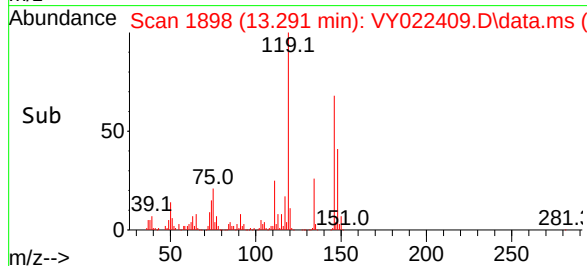
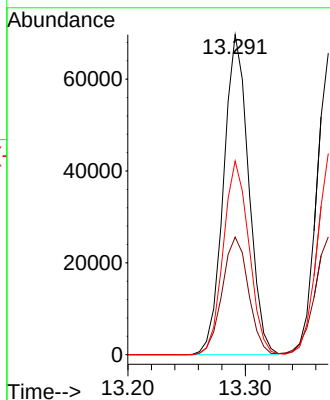
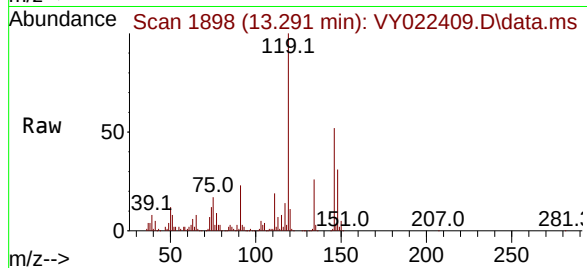
148 61.8 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#88

1,4-Dichlorobenzene

Concen: 20.483 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

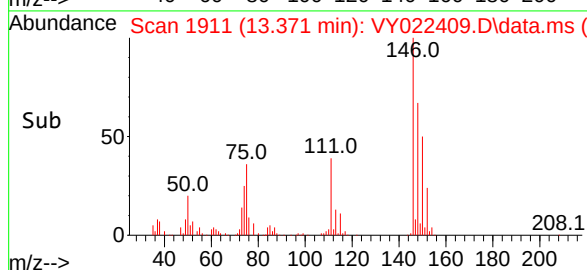
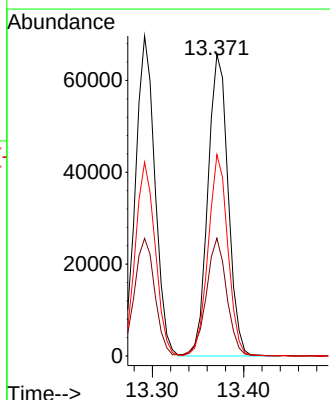
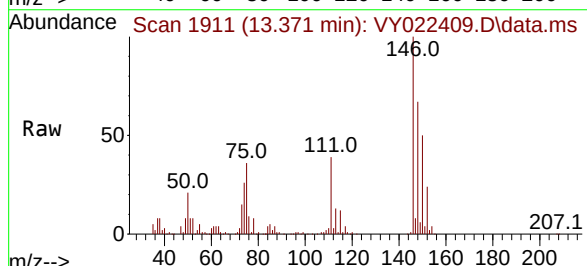
Tgt Ion:146 Resp: 100997

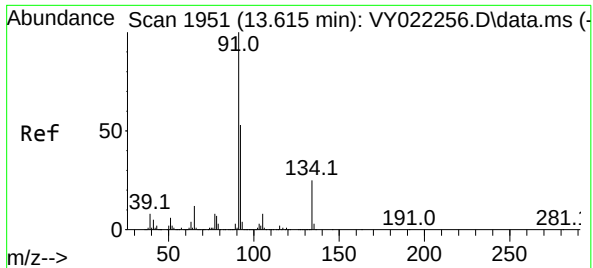
Ion Ratio Lower Upper

146 100

111 39.6 20.0 59.9

148 64.9 32.1 96.5





#89

n-Butylbenzene

Concen: 21.095 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 91 Resp: 21017

Ion Ratio Lower Upper

91 100

92 51.1 26.3 78.9

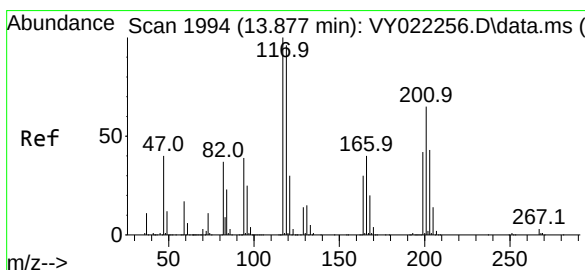
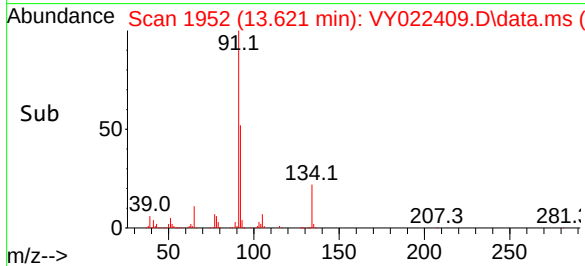
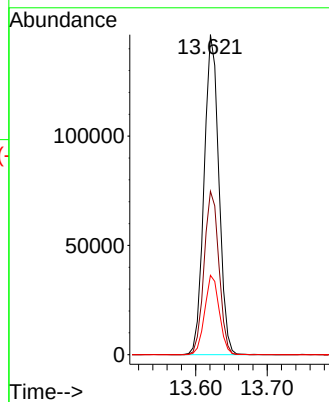
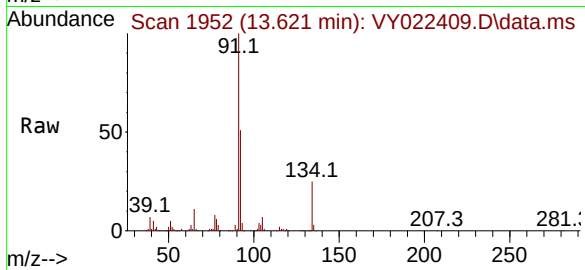
134 24.6 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#90

Hexachloroethane

Concen: 20.378 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022409.D

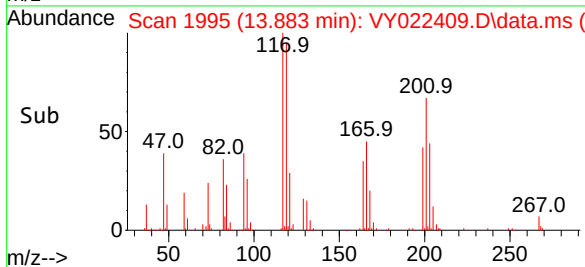
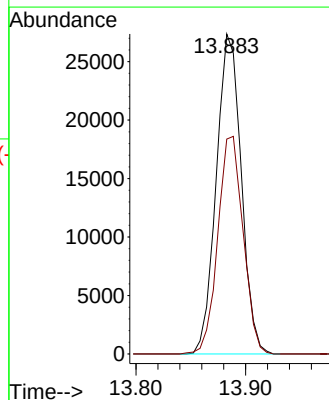
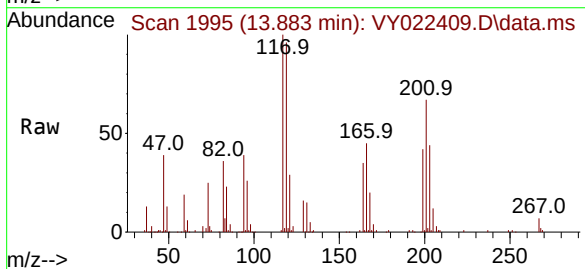
Acq: 23 May 2025 16:28

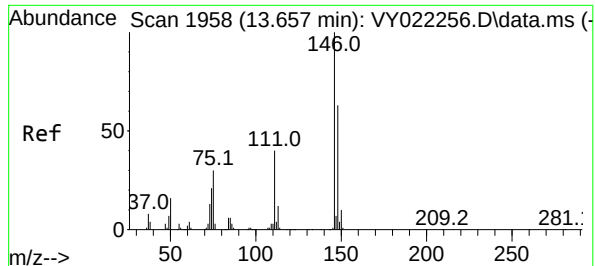
Tgt Ion:117 Resp: 43322

Ion Ratio Lower Upper

117 100

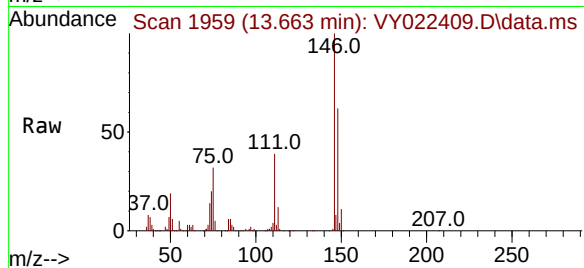
201 68.9 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 20.520 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

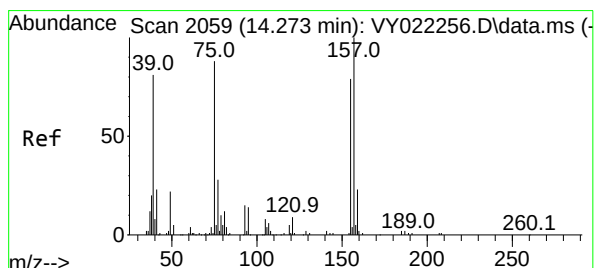
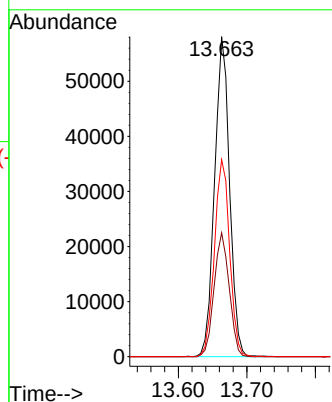
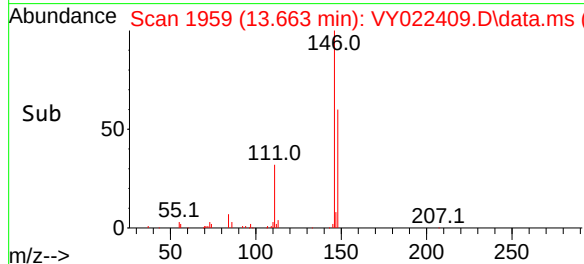
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01



Tgt Ion:146 Resp: 88350
Ion Ratio Lower Upper
146 100
111 39.0 20.5 61.5
148 62.4 32.0 96.0

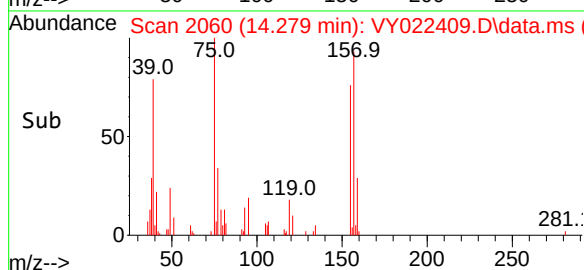
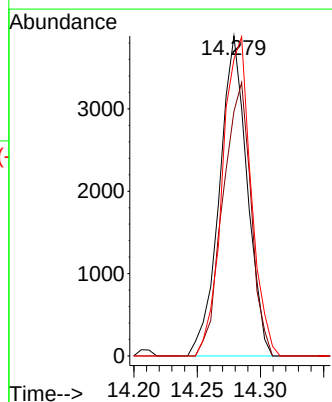
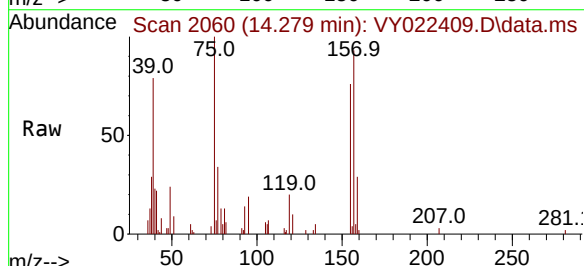
Manual Integrations
APPROVED

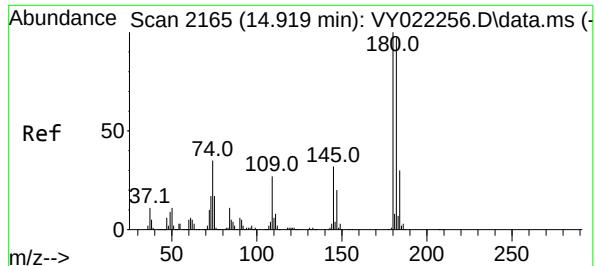
Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.294 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 75 Resp: 5917
Ion Ratio Lower Upper
75 100
155 86.2 43.4 130.1
157 102.6 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.290 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion:180 Resp: 47978

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.0

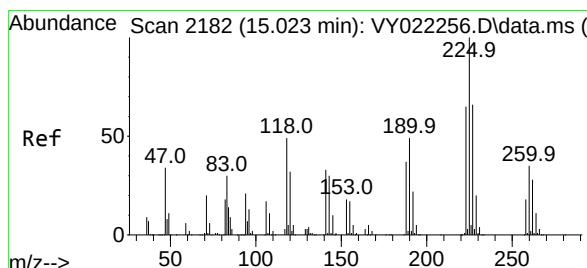
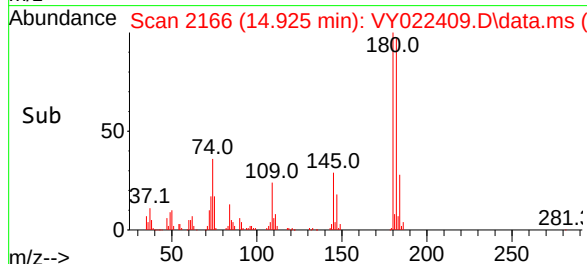
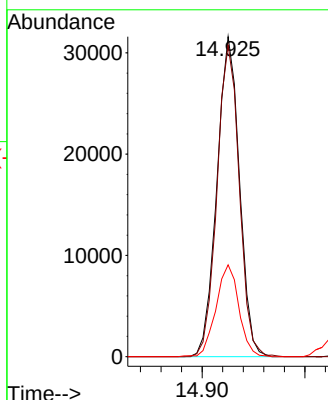
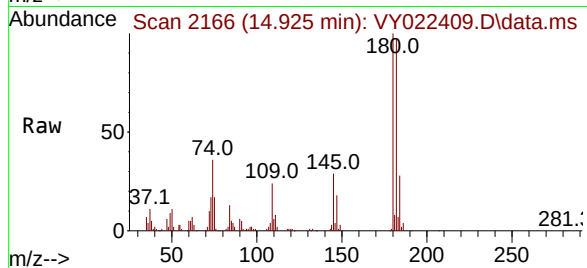
145 29.1 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025

Supervised By :Semsettin Yesilyurt 05/27/2025



#94

Hexachlorobutadiene

Concen: 18.673 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

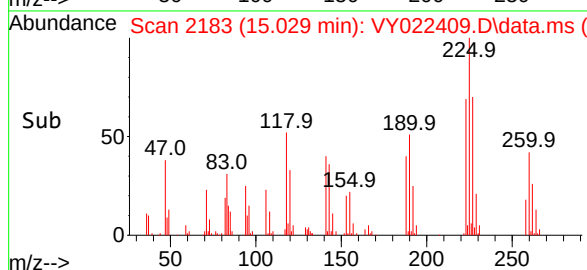
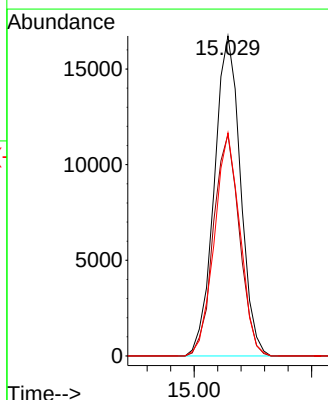
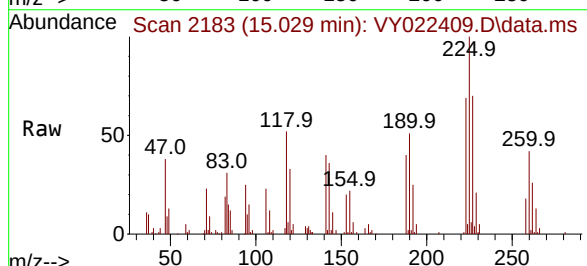
Tgt Ion:225 Resp: 25900

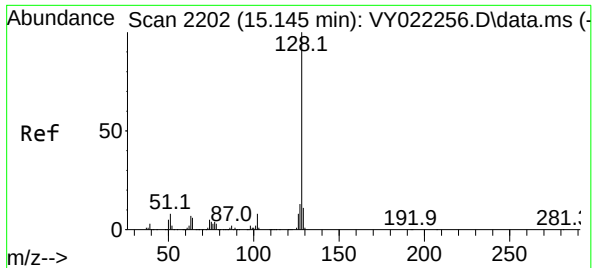
Ion Ratio Lower Upper

225 100

223 68.9 31.5 94.5

227 68.0 32.1 96.3





#95

Naphthalene

Concen: 18.405 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

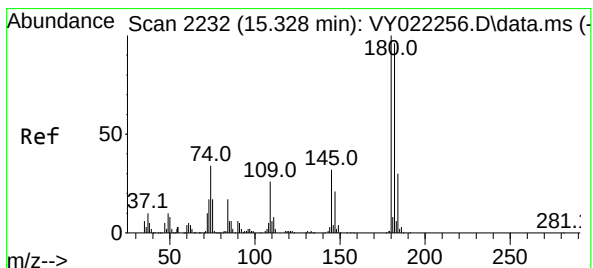
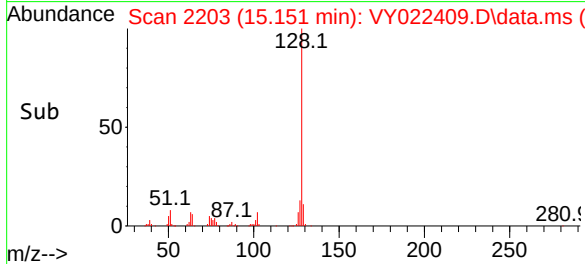
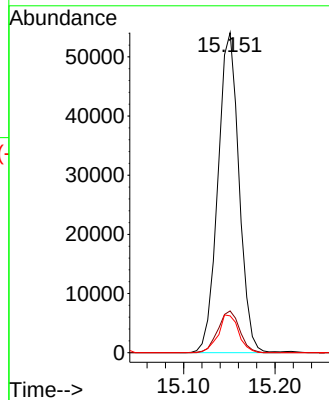
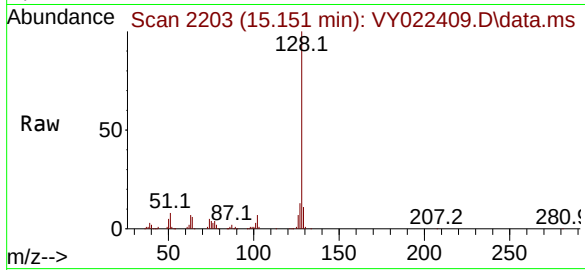
VY0523SBS01

Tgt Ion:128	Resp:	86870
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.2 15.2
129	11.4	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
Supervised By :Semsettin Yesilyurt 05/27/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.993 ug/l

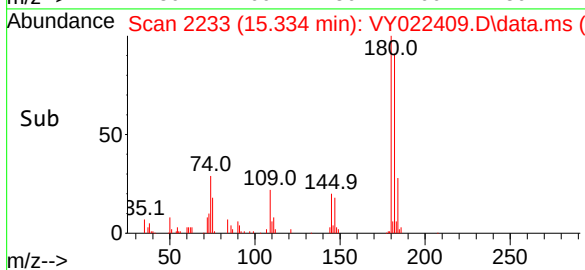
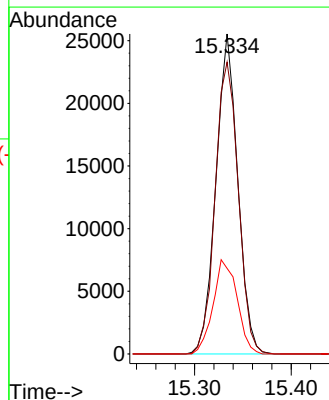
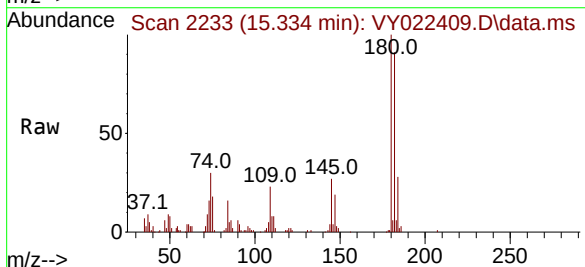
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:180	Resp:	40075
Ion Ratio	Lower	Upper
180	100	
182	96.5	47.1 141.3
145	32.3	15.9 47.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBSD01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022383.D	1		05/22/25 09:59	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	25.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	33.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	28.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	93.4		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	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	97.2		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.6		3.60	25.0	ug/Kg
108-88-3	Toluene	19.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith		Date Collected:	
Project:	South River WM Replacement		Date Received:	
Client Sample ID:	VY0522SBSD01		SDG No.:	Q2100
Lab Sample ID:	VY0522SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022383.D	1		05/22/25 09:59	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		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	39.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		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	50.4		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		38 - 136	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	7.713			
540-36-3	1,4-Difluorobenzene	283000	8.621			
3114-55-4	Chlorobenzene-d5	237000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0522SBSD01	SDG No.:	Q2100
Lab Sample ID:	VY0522SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	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
VY022383.D	1		05/22/25 09:59	VY052225

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\VY052225\
 Data File : VY022383.D
 Acq On : 22 May 2025 09:59
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	165702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	283052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112772	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.073	65	91305	50.418	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.840%	
35) Dibromofluoromethane	7.640	113	86124	50.978	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.960%	
50) Toluene-d8	10.115	98	344960	49.856	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.413	95	103227	47.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.140%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.866	85	34872	20.169	ug/l	98
3) Chloromethane	2.068	50	84322	23.184	ug/l	98
4) Vinyl Chloride	2.208	62	103245	25.408	ug/l	96
5) Bromomethane	2.598	94	110601	33.435	ug/l	100
6) Chloroethane	2.738	64	71548	28.302	ug/l	97
7) Trichlorofluoromethane	3.055	101	86964	21.138	ug/l	98
8) Diethyl Ether	3.464	74	20593	20.857	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.823	101	38058	21.308	ug/l	99
10) Methyl Iodide	4.006	142	40873	19.772	ug/l	99
11) Tert butyl alcohol	4.884	59	14857	107.432	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	36929	20.835	ug/l	85
13) Acrolein	3.659	56	11544	57.100	ug/l	90
14) Allyl chloride	4.384	41	56854	18.294	ug/l	94
15) Acrylonitrile	5.073	53	42184	103.689	ug/l	98
16) Acetone	3.884	43	31709	93.380	ug/l	94
17) Carbon Disulfide	4.116	76	114095	19.740	ug/l	99
18) Methyl Acetate	4.396	43	20711	19.345	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	102955	21.066	ug/l	95
20) Methylene Chloride	4.622	84	41710	19.009	ug/l	92
21) trans-1,2-Dichloroethene	5.122	96	39375	20.126	ug/l	92
22) Diisopropyl ether	6.030	45	125231	19.081	ug/l	94
23) Vinyl Acetate	5.969	43	381544	96.228	ug/l	95
24) 1,1-Dichloroethane	5.927	63	74250	20.250	ug/l	99
25) 2-Butanone	6.908	43	55203	97.189	ug/l	100
26) 2,2-Dichloropropane	6.896	77	65151	19.977	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	46809	20.734	ug/l	96
28) Bromochloromethane	7.256	49	31798	20.331	ug/l	99
29) Tetrahydrofuran	7.268	42	37375	102.279	ug/l	92
30) Chloroform	7.432	83	72756	20.687	ug/l	99
31) Cyclohexane	7.713	56	69034	18.844	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	66078	20.479	ug/l	99
36) 1,1-Dichloropropene	7.847	75	54364	19.537	ug/l	98
37) Ethyl Acetate	6.994	43	27223	20.333	ug/l	97
38) Carbon Tetrachloride	7.823	117	56279	19.539	ug/l	97
39) Methylcyclohexane	9.115	83	73130	19.561	ug/l	93
40) Benzene	8.091	78	166008	20.124	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022383.D
 Acq On : 22 May 2025 09:59
 Operator : SY/MD
 Sample : VY0522SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	13388	15.074	ug/l #	75
42) 1,2-Dichloroethane	8.164	62	45353	20.330	ug/l	100
43) Isopropyl Acetate	8.207	43	55775	19.101	ug/l	98
44) Trichloroethene	8.871	130	41551	20.257	ug/l	98
45) 1,2-Dichloropropane	9.146	63	39131	19.675	ug/l	98
46) Dibromomethane	9.237	93	22317	20.805	ug/l	97
47) Bromodichloromethane	9.432	83	55379	19.900	ug/l	96
48) Methyl methacrylate	9.231	41	24767	18.137	ug/l	93
49) 1,4-Dioxane	9.237	88	5070	418.379	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	139840	97.604	ug/l	97
52) Toluene	10.176	92	101209	19.375	ug/l	99
53) t-1,3-Dichloropropene	10.401	75	52641	19.383	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	61287	19.697	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	28589	20.813	ug/l	97
56) Ethyl methacrylate	10.444	69	42404	19.818	ug/l	94
57) 1,3-Dichloropropane	10.725	76	50499	20.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	83817	87.274	ug/l	97
59) 2-Hexanone	10.767	43	91893	95.660	ug/l	96
60) Dibromochloromethane	10.920	129	36293	20.356	ug/l	99
61) 1,2-Dibromoethane	11.017	107	25923	20.248	ug/l	100
64) Tetrachloroethene	10.651	164	45749	20.889	ug/l	97
65) Chlorobenzene	11.450	112	108867	20.365	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.523	131	36887	20.072	ug/l	99
67) Ethyl Benzene	11.523	91	196186	19.596	ug/l	99
68) m/p-Xylenes	11.633	106	149849	39.722	ug/l	96
69) o-Xylene	11.956	106	70807	19.838	ug/l	96
70) Styrene	11.974	104	119807	19.899	ug/l	97
71) Bromoform	12.133	173	20642	20.810	ug/l #	97
73) Isopropylbenzene	12.261	105	184158	19.712	ug/l	100
74) N-amyl acetate	12.072	43	50559	18.922	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	30272	21.069	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	23203m	20.309	ug/l	
77) Bromobenzene	12.535	156	39924	20.008	ug/l	99
78) n-propylbenzene	12.602	91	222841	19.775	ug/l	100
79) 2-Chlorotoluene	12.682	91	120348	19.434	ug/l	98
80) 1,3,5-Trimethylbenzene	12.742	105	148179	19.648	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	11117	19.711	ug/l	95
82) 4-Chlorotoluene	12.779	91	122004	19.154	ug/l	96
83) tert-Butylbenzene	12.999	119	135145	20.161	ug/l	96
84) 1,2,4-Trimethylbenzene	13.047	105	146449	19.562	ug/l	98
85) sec-Butylbenzene	13.181	105	198914	19.991	ug/l	99
86) p-Isopropyltoluene	13.297	119	162649	19.435	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	80601	19.787	ug/l	98
88) 1,4-Dichlorobenzene	13.370	146	78462	20.025	ug/l	99
89) n-Butylbenzene	13.620	91	155438	19.633	ug/l	100
90) Hexachloroethane	13.883	117	33072	19.577	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	69239	20.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4955	21.386	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	39517	19.994	ug/l	97
94) Hexachlorobutadiene	15.029	225	20733	18.811	ug/l	99
95) Naphthalene	15.144	128	76999	20.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.333	180	34249	20.427	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022383.D
Acq On : 22 May 2025 09:59
Operator : SY/MD
Sample : VY0522SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

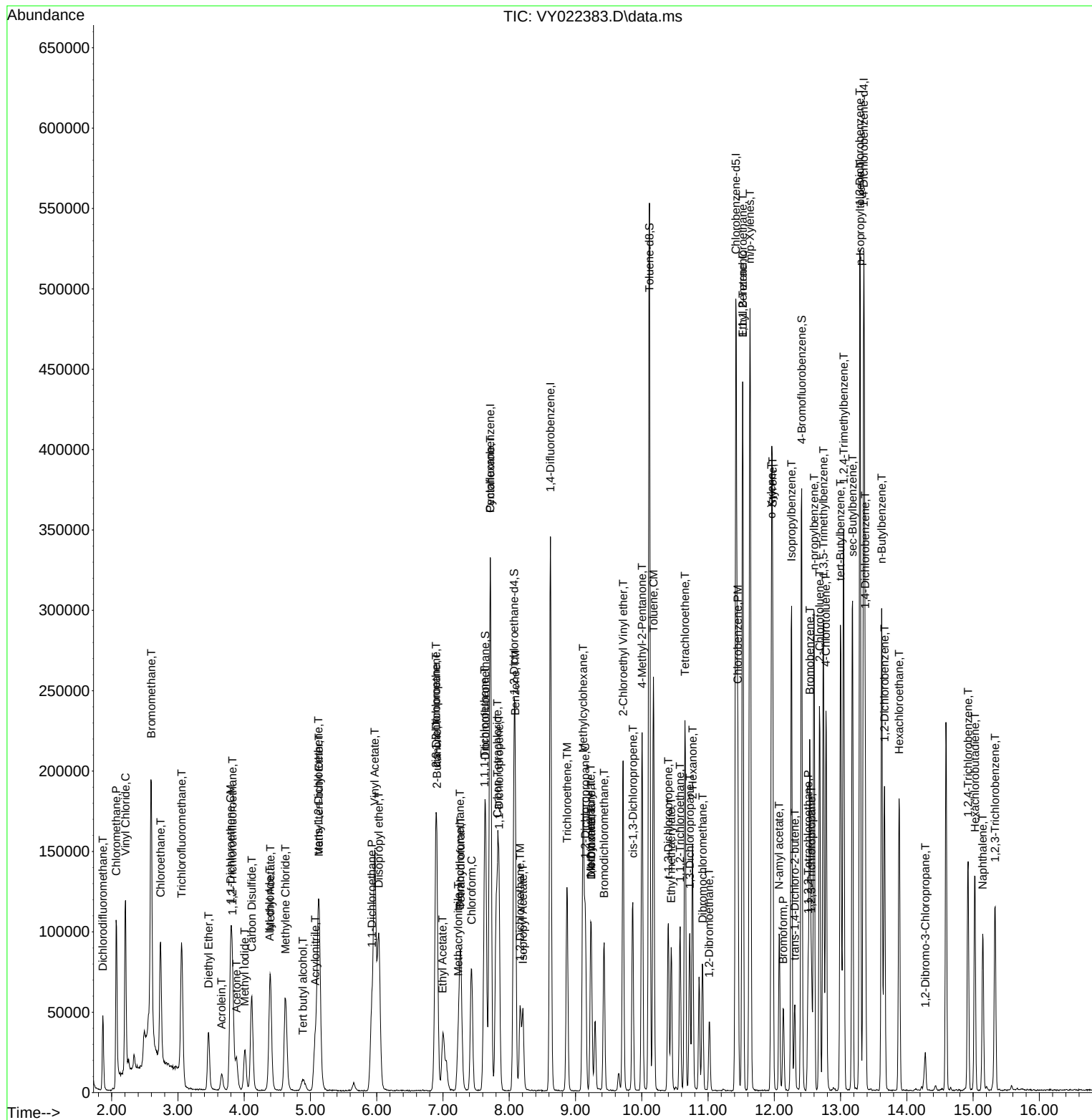
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Data File : VY022383.D
Acq On : 22 May 2025 09:59
Operator : SY/MD
Sample : VY0522SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

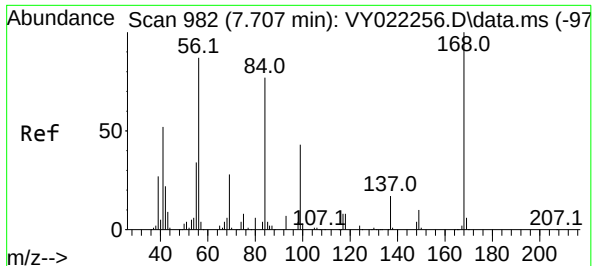
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Manual Integrations

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





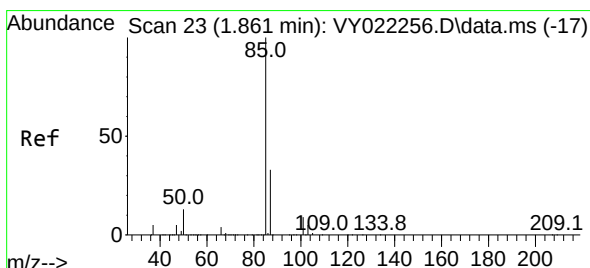
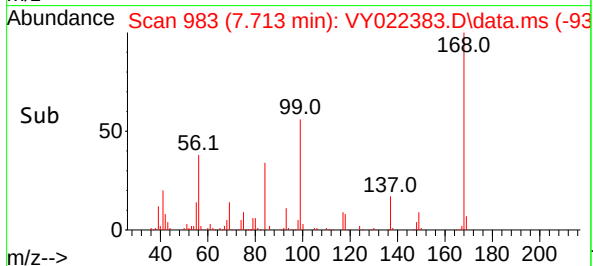
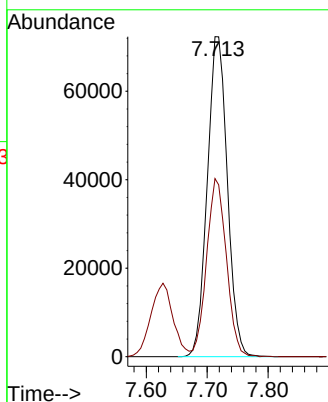
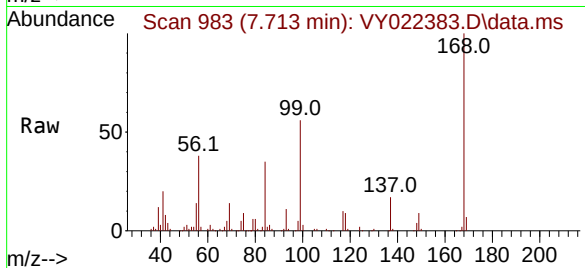
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion:168 Resp: 165702
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4

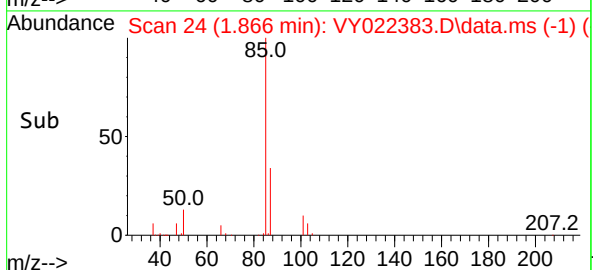
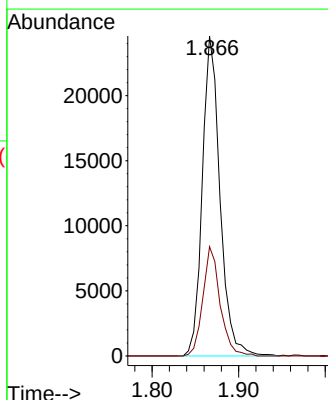
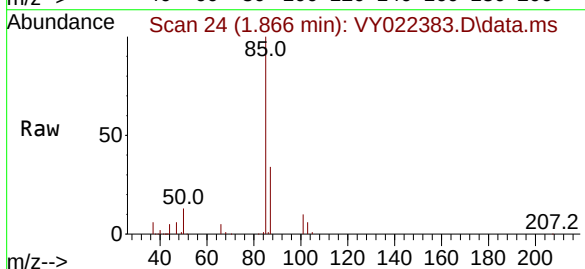
Manual Integrations
APPROVED

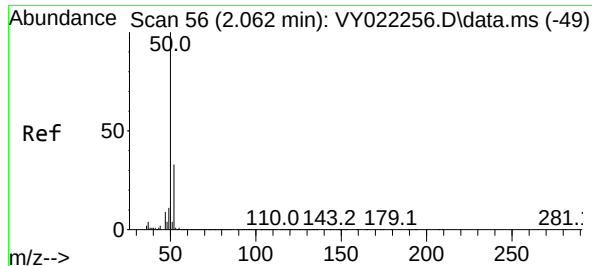
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 20.169 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

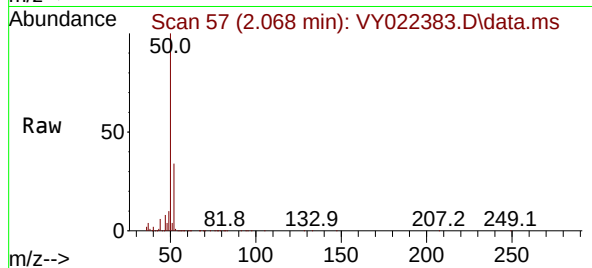
Tgt Ion: 85 Resp: 34872
Ion Ratio Lower Upper
85 100
87 34.1 16.5 49.5





#3
Chloromethane
Concen: 23.184 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

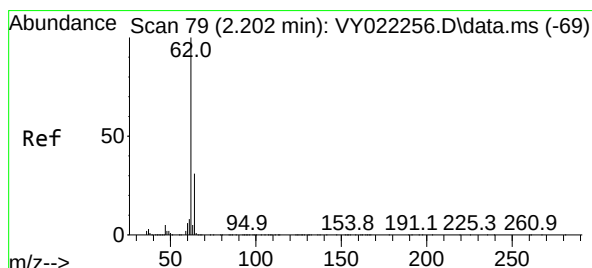
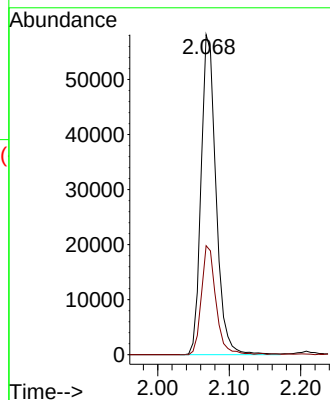
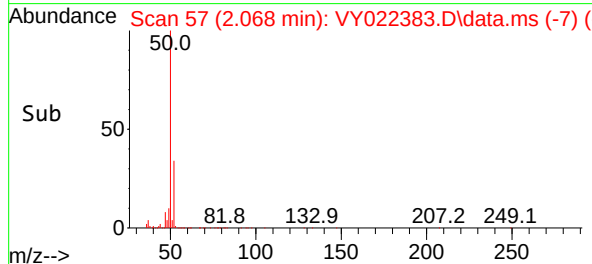
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 50 Resp: 8432
Ion Ratio Lower Upper
50 100
52 34.1 26.5 39.7

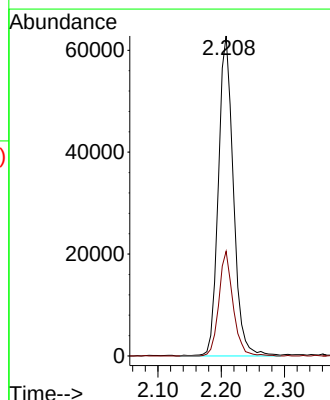
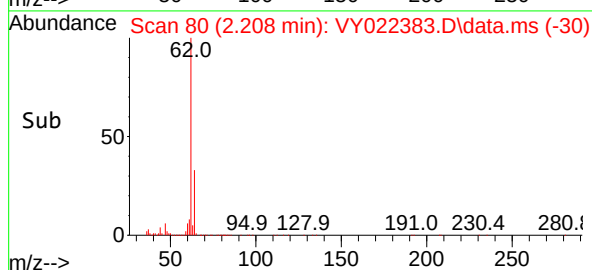
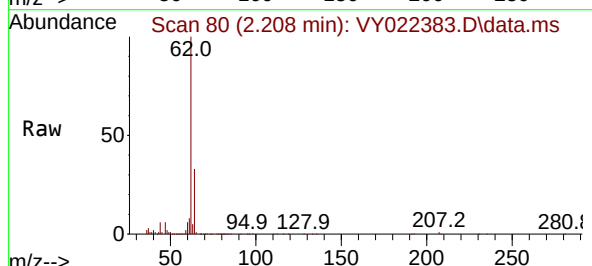
Manual Integrations
APPROVED

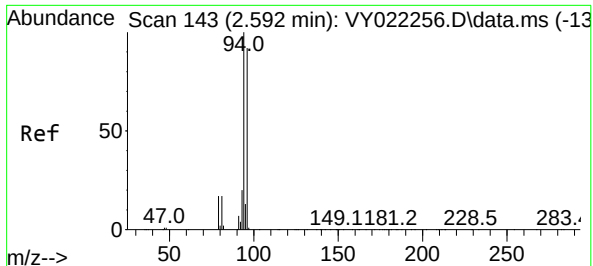
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#4
Vinyl Chloride
Concen: 25.408 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

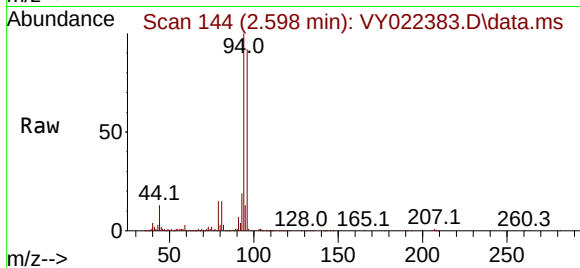
Tgt Ion: 62 Resp: 103245
Ion Ratio Lower Upper
62 100
64 32.7 24.5 36.7





#5
Bromomethane
Concen: 33.435 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

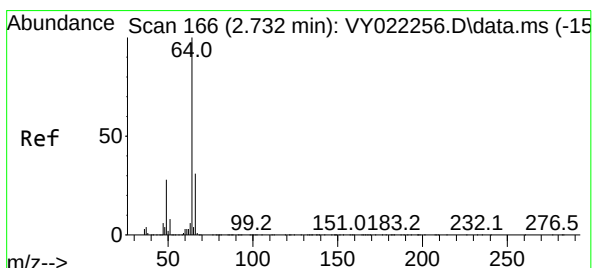
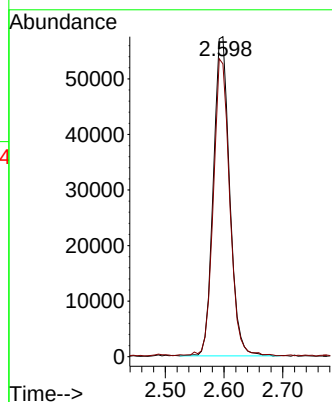
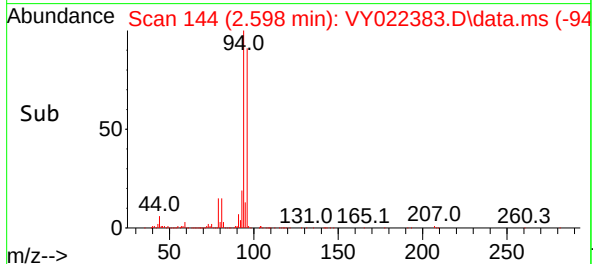
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 94 Resp: 11060
Ion Ratio Lower Upper
94 100
96 91.4 73.4 110.0

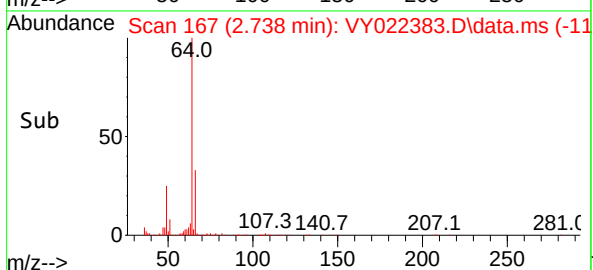
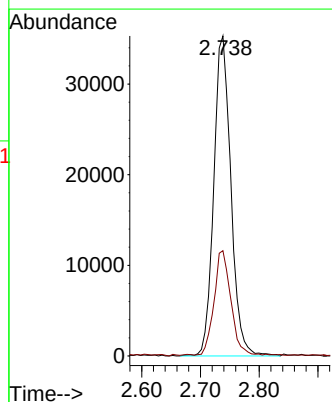
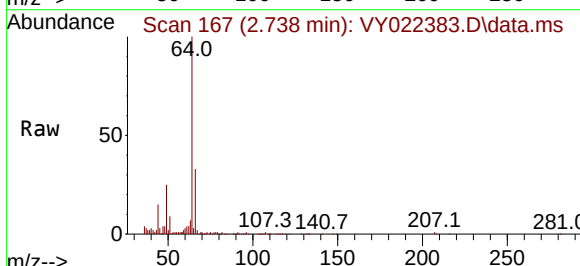
Manual Integrations
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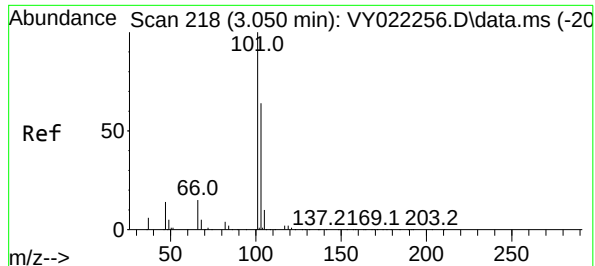
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#6
Chloroethane
Concen: 28.302 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

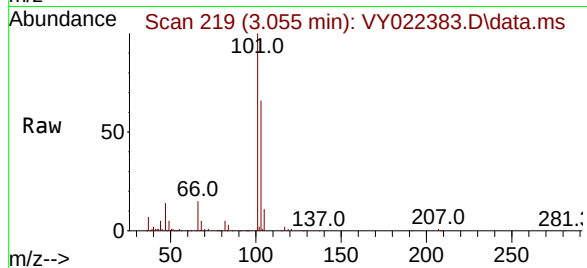
Tgt Ion: 64 Resp: 71548
Ion Ratio Lower Upper
64 100
66 32.7 24.8 37.2





#7
Trichlorofluoromethane
Concen: 21.138 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

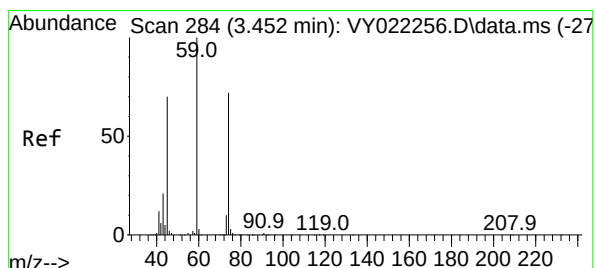
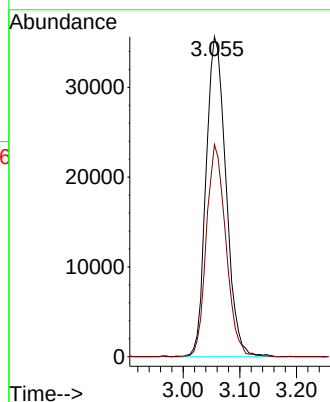
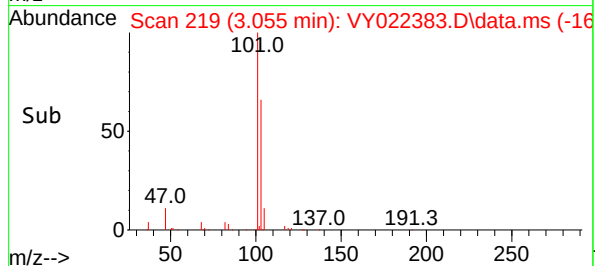
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion:101 Resp: 86964
Ion Ratio Lower Upper
101 100
103 66.3 51.7 77.5

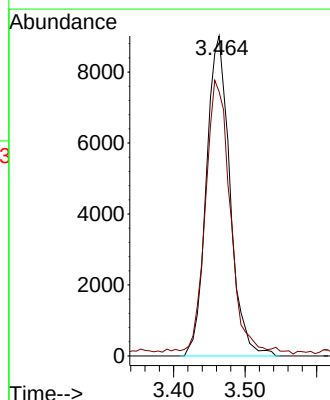
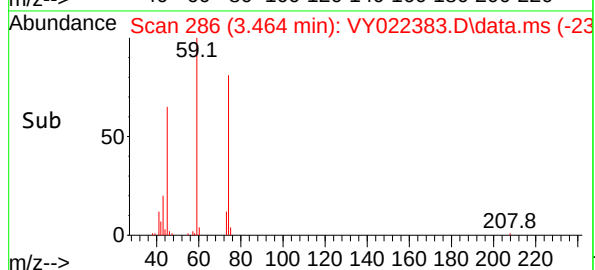
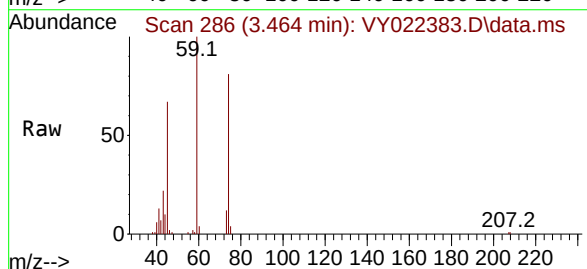
Manual Integrations
APPROVED

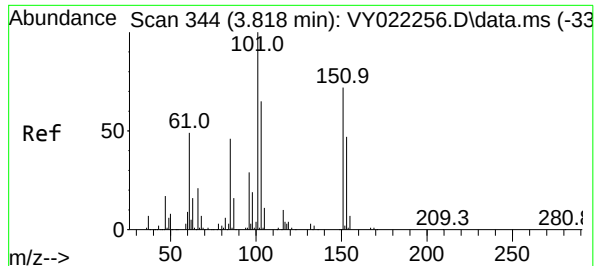
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#8
Diethyl Ether
Concen: 20.857 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 74 Resp: 20593
Ion Ratio Lower Upper
74 100
45 91.8 48.6 145.8





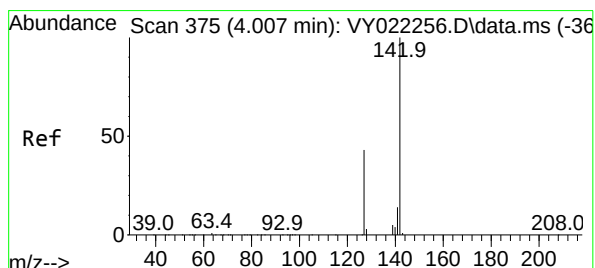
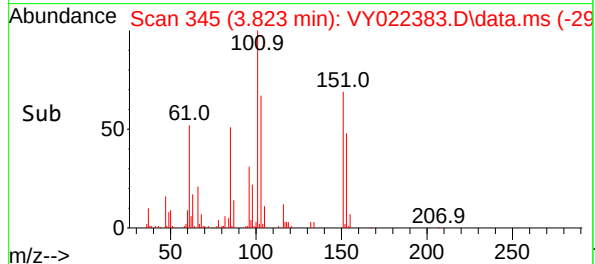
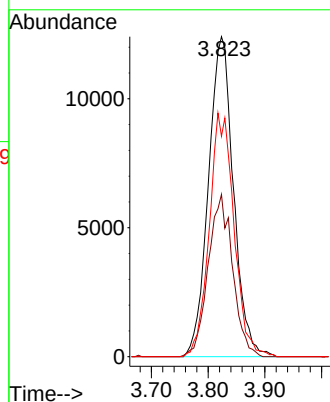
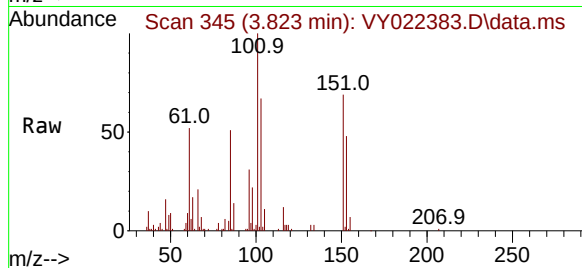
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.308 ug/l
RT: 3.823 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion:101 Resp: 38058
Ion Ratio Lower Upper
101 100
85 49.4 38.6 58.0
151 75.4 59.7 89.5

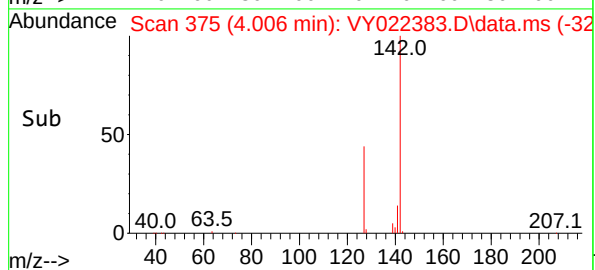
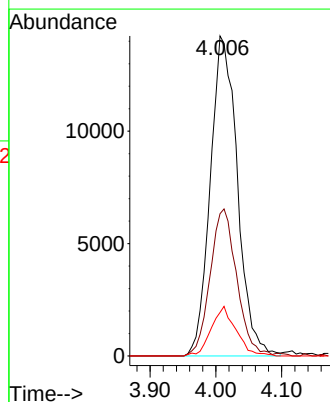
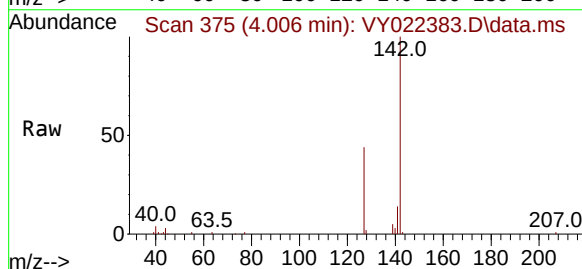
Manual Integrations
APPROVED

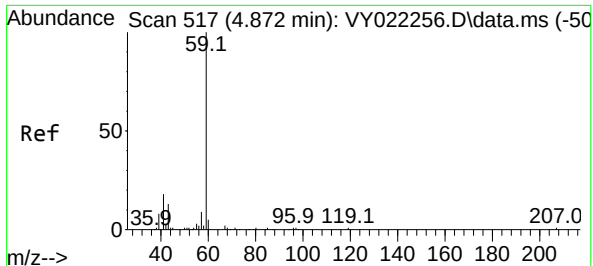
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#10
Methyl Iodide
Concen: 19.772 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion:142 Resp: 40873
Ion Ratio Lower Upper
142 100
127 45.4 35.7 53.5
141 14.1 11.1 16.7





#11

Tert butyl alcohol

Concen: 107.432 ug/l

RT: 4.884 min Scan# 517

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 59 Resp: 1485

Ion Ratio Lower Upper

59 100

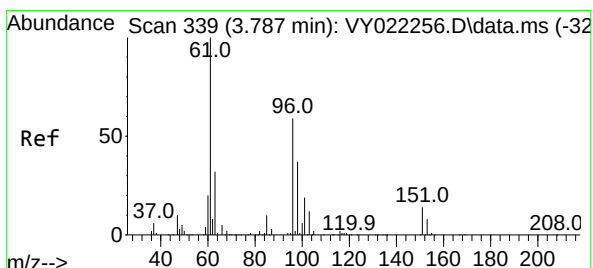
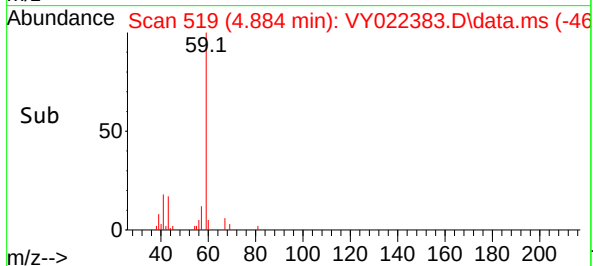
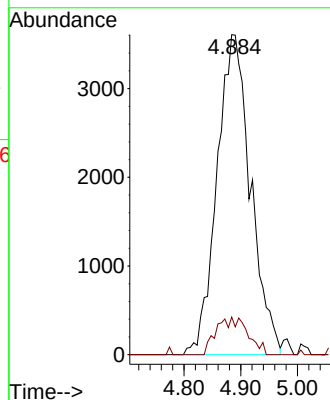
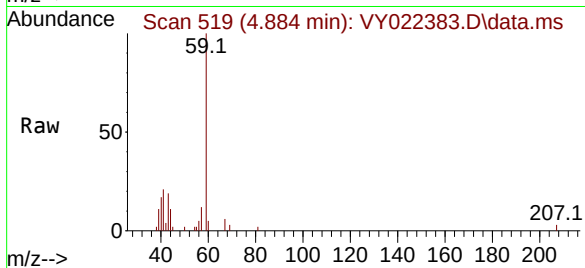
57 4.8 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#12

1,1-Dichloroethene

Concen: 20.835 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

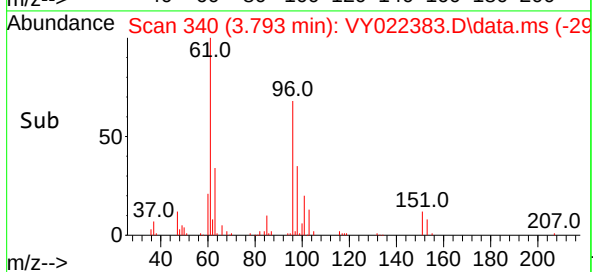
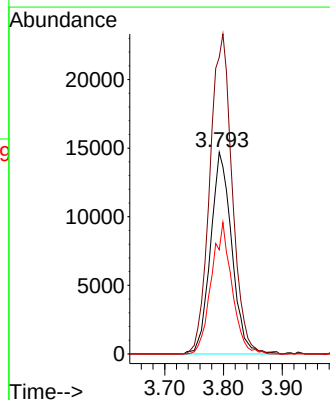
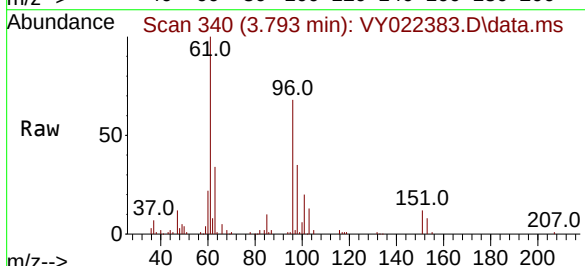
Tgt Ion: 96 Resp: 36929

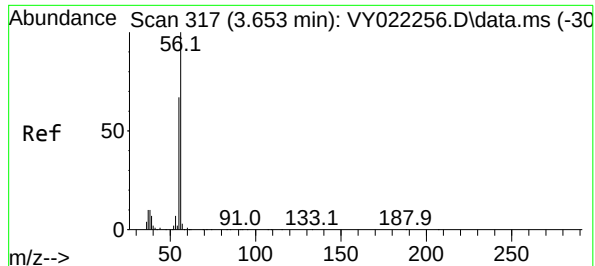
Ion Ratio Lower Upper

96 100

61 147.0 134.9 202.3

98 51.6 49.9 74.9





#13

Acrolein

Concen: 57.100 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 56 Resp: 11544

Ion Ratio Lower Upper

56 100

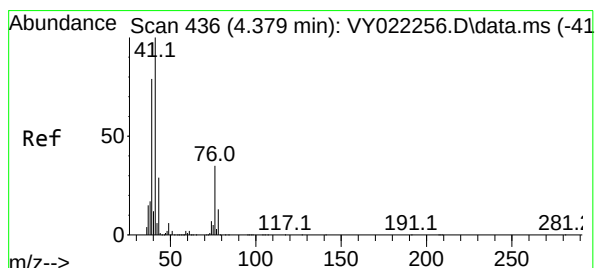
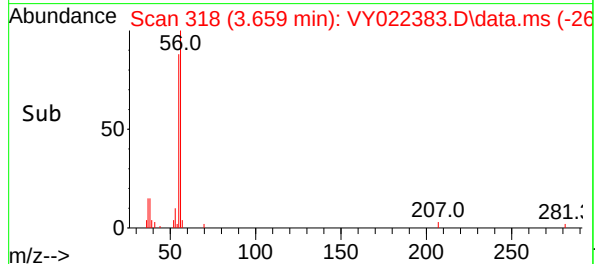
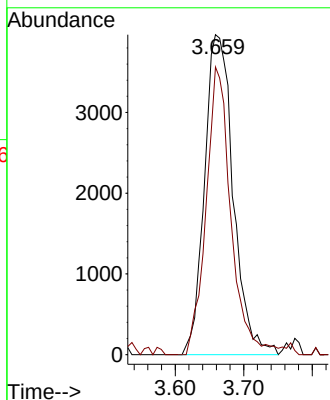
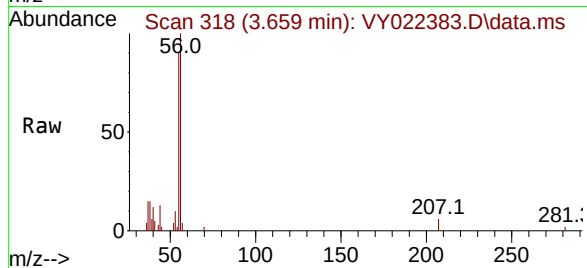
55 77.7 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#14

Allyl chloride

Concen: 18.294 ug/l

RT: 4.384 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

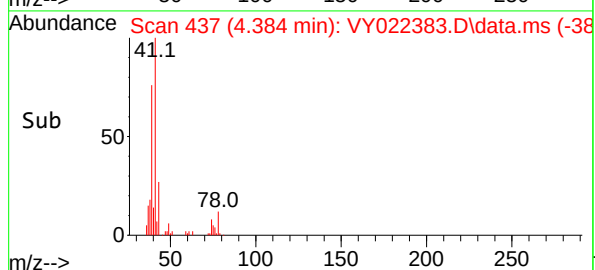
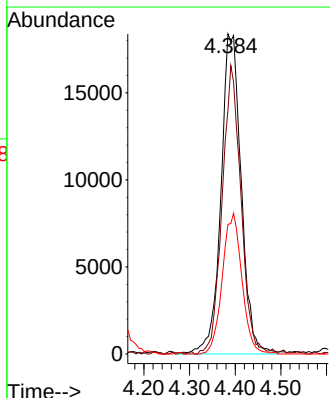
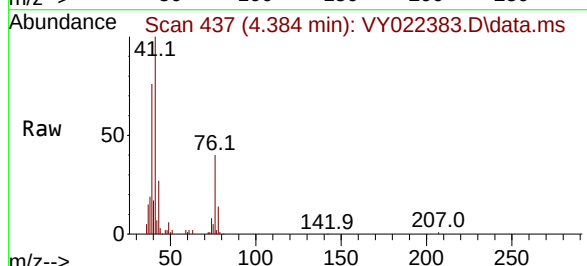
Tgt Ion: 41 Resp: 56854

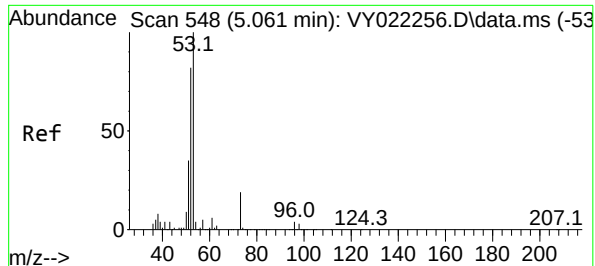
Ion Ratio Lower Upper

41 100

39 83.0 63.4 95.0

76 42.3 29.5 44.3





#15

Acrylonitrile

Concen: 103.689 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

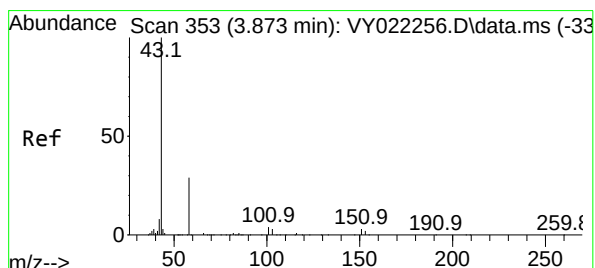
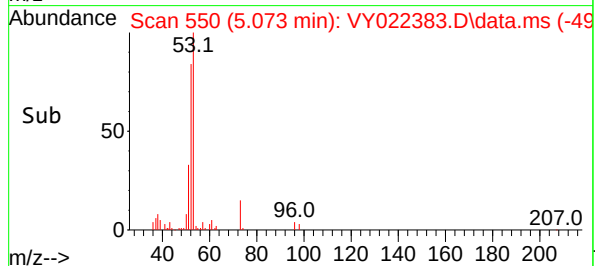
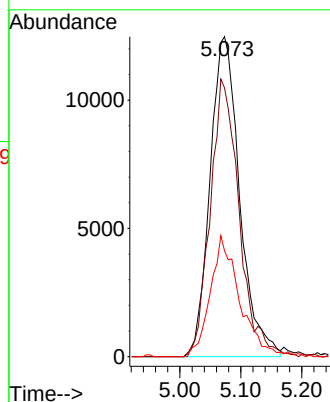
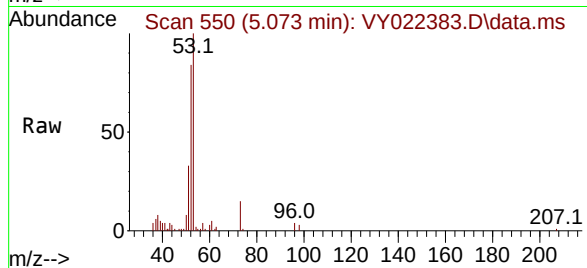
Tgt Ion:	53	Resp:	42184
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.1	99.1
51	37.2	30.0	45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#16

Acetone

Concen: 93.380 ug/l

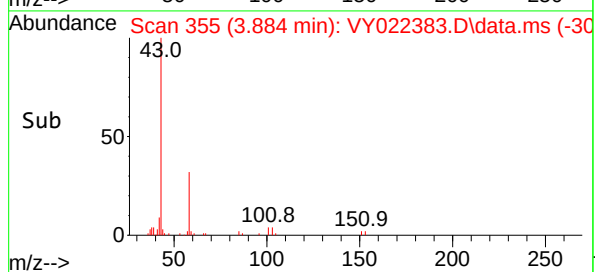
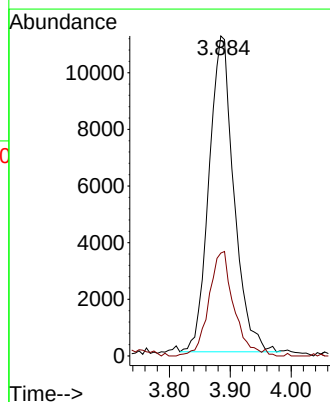
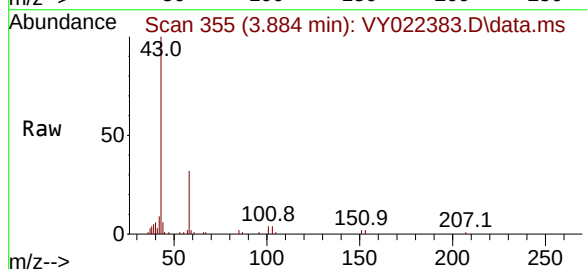
RT: 3.884 min Scan# 355

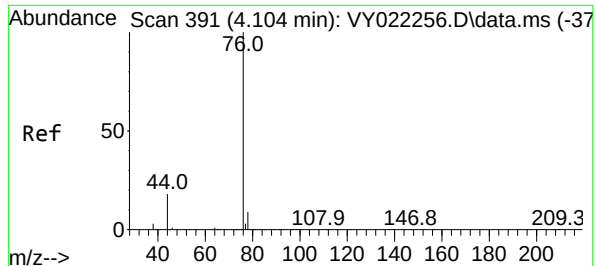
Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	43	Resp:	31709
Ion Ratio	Lower	Upper	
43	100		
58	32.6	23.6	35.4





#17

Carbon Disulfide

Concen: 19.740 ug/l

RT: 4.116 min Scan# 391

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 76 Resp: 11409

Ion Ratio Lower Upper

76 100

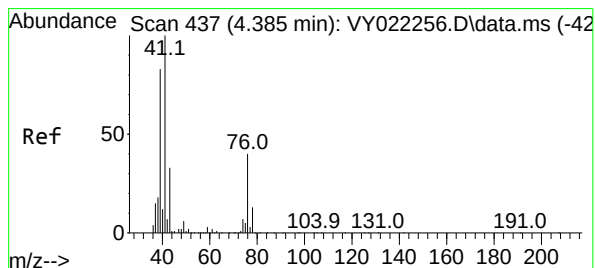
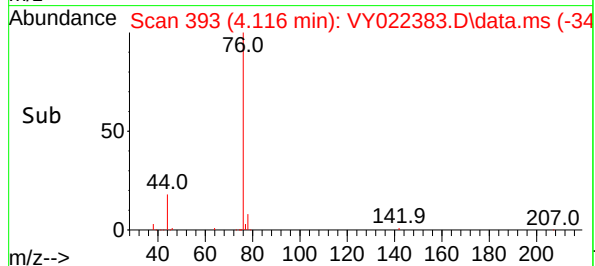
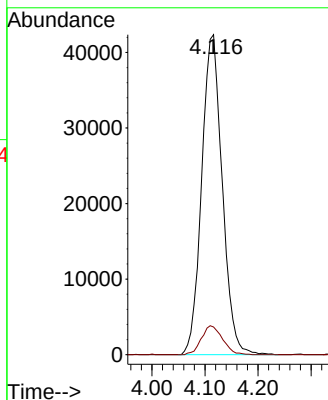
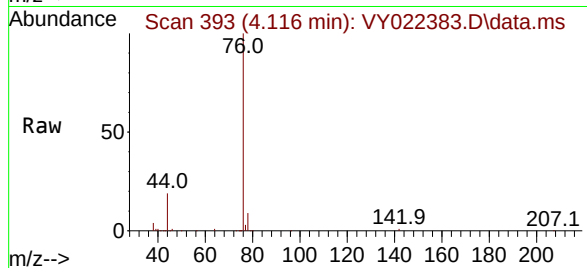
78 8.7 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#18

Methyl Acetate

Concen: 19.345 ug/l

RT: 4.396 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY022383.D

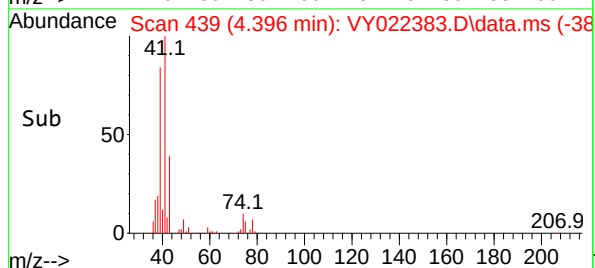
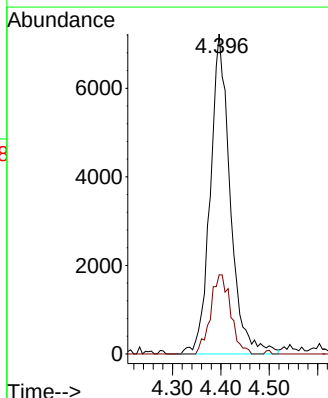
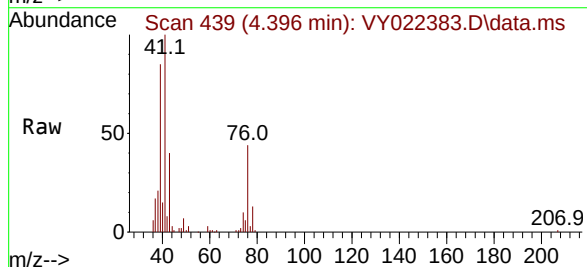
Acq: 22 May 2025 09:59

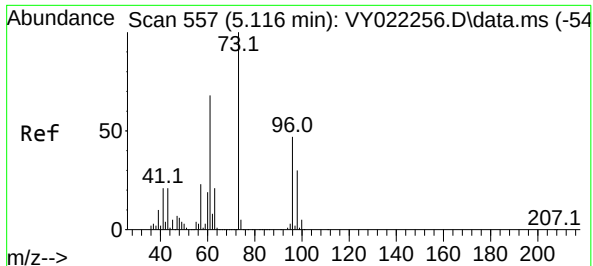
Tgt Ion: 43 Resp: 20711

Ion Ratio Lower Upper

43 100

74 25.0 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 21.066 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 73 Resp: 10295

Ion Ratio Lower Upper

73 100

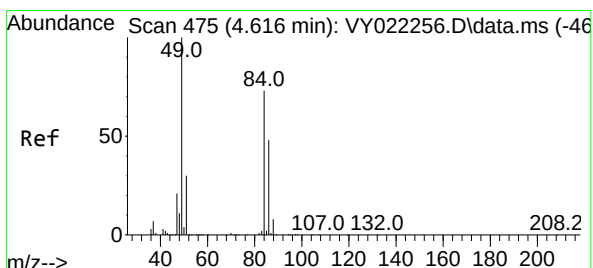
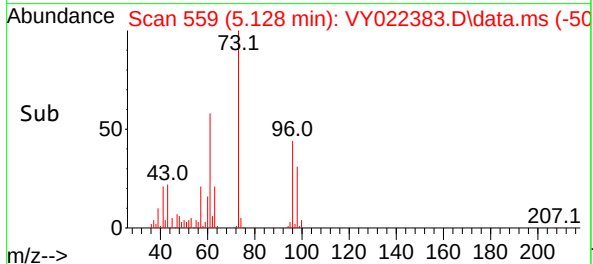
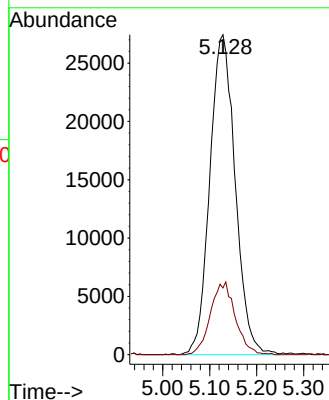
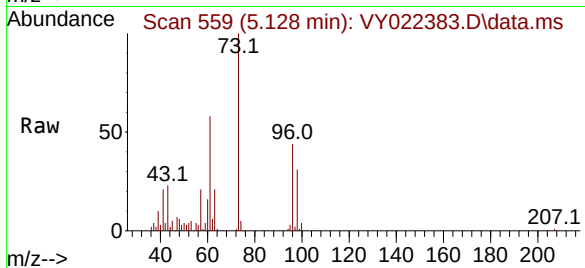
57 20.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#20

Methylene Chloride

Concen: 19.009 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion: 84 Resp: 41710

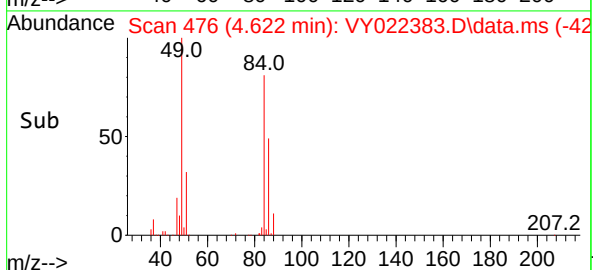
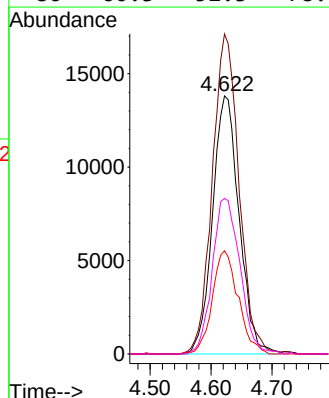
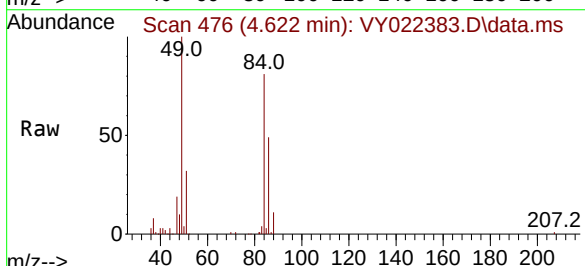
Ion Ratio Lower Upper

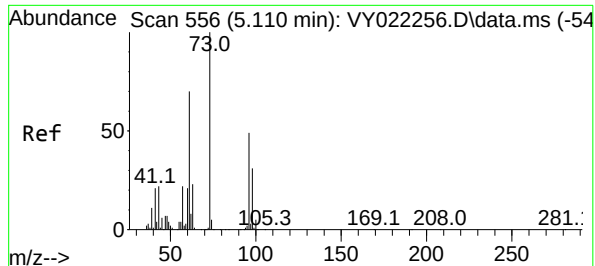
84 100

49 124.0 109.6 164.4

51 39.9 32.4 48.6

86 60.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.126 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 96 Resp: 39379

Ion Ratio Lower Upper

96 100

61 129.0 113.4 170.0

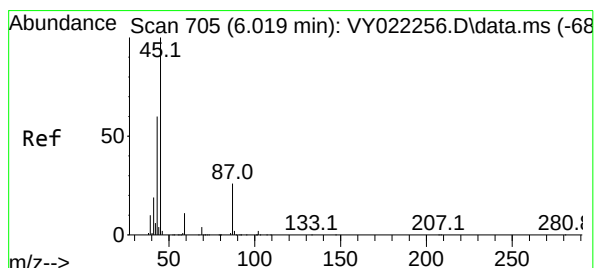
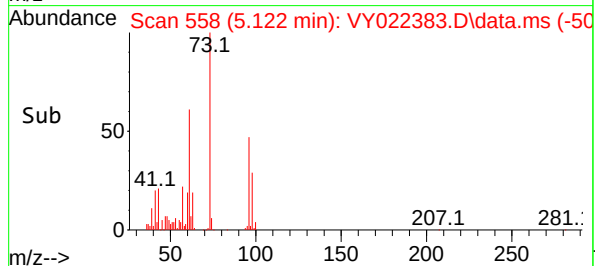
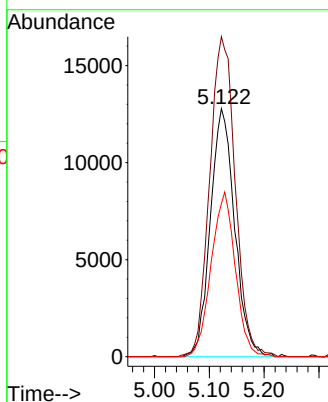
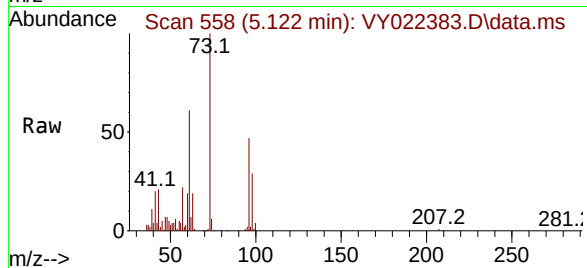
98 61.7 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#22

Diisopropyl ether

Concen: 19.081 ug/l

RT: 6.030 min Scan# 707

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion: 45 Resp: 125231

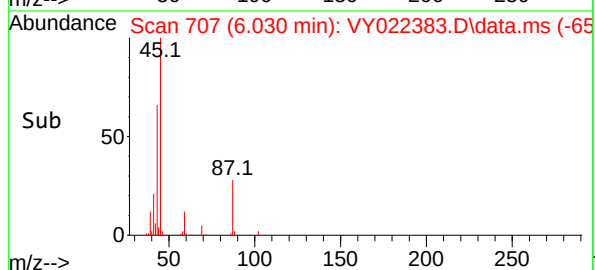
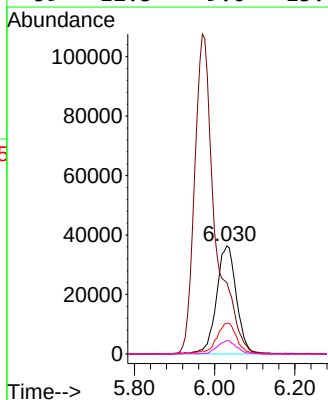
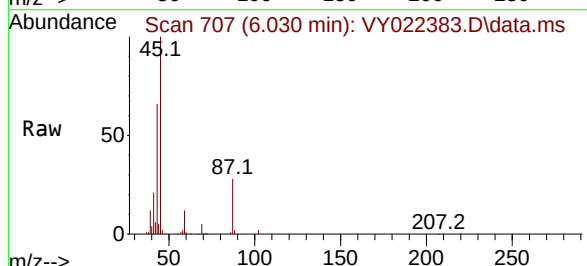
Ion Ratio Lower Upper

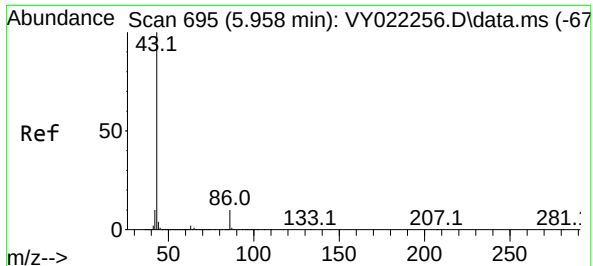
45 100

43 65.6 48.2 72.2

87 28.4 21.4 32.0

59 12.3 9.0 13.4





#23

Vinyl Acetate

Concen: 96.228 ug/l

RT: 5.969 min Scan# 695

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 43 Resp: 381544

Ion Ratio Lower Upper

43

100

86

11.5

7.8

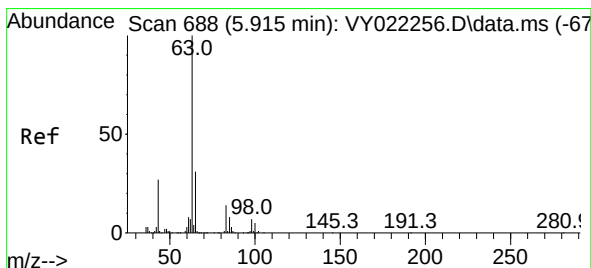
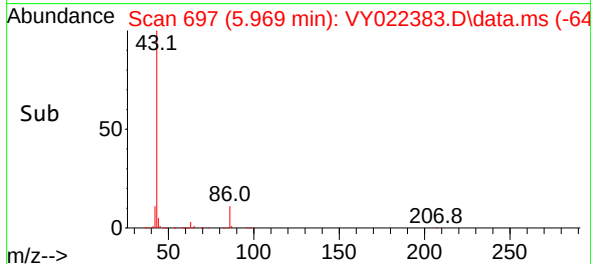
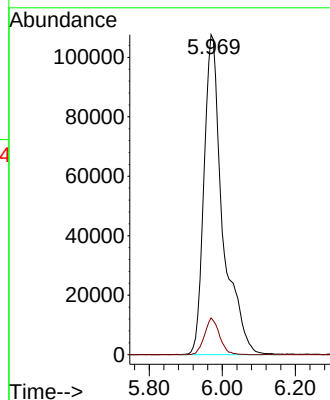
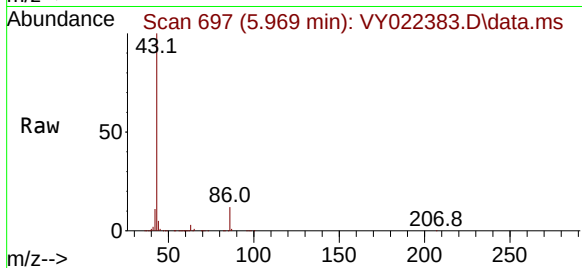
11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#24

1,1-Dichloroethane

Concen: 20.250 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion: 63 Resp: 74250

Ion Ratio Lower Upper

63

100

98

7.5

3.5

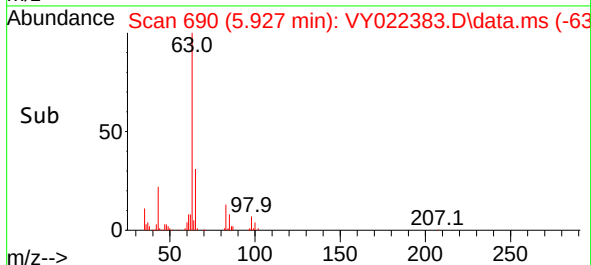
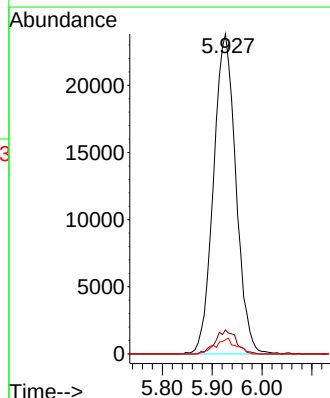
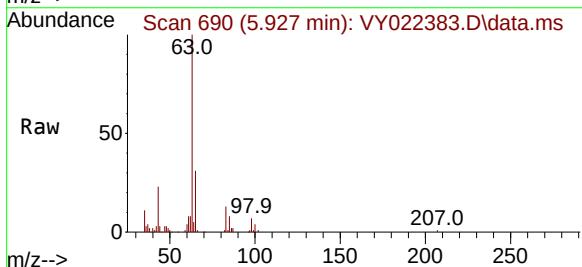
10.5

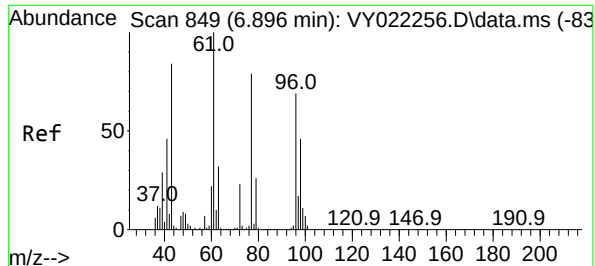
100

4.5

2.4

7.2





#25

2-Butanone

Concen: 97.189 ug/l

RT: 6.908 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 43 Resp: 5520

Ion Ratio Lower Upper

43 100

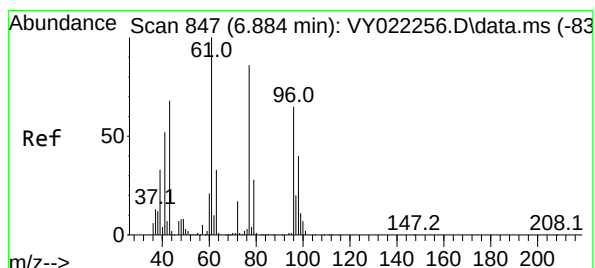
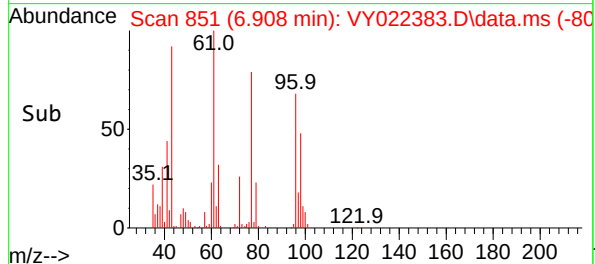
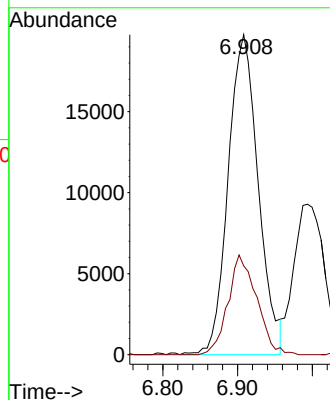
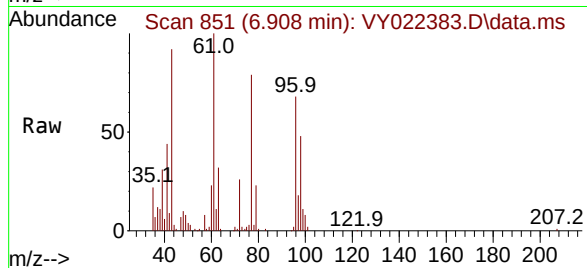
72 27.7 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#26

2,2-Dichloropropane

Concen: 19.977 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022383.D

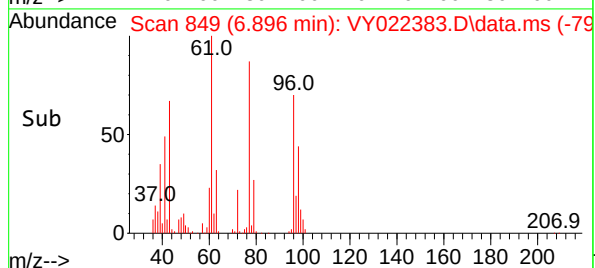
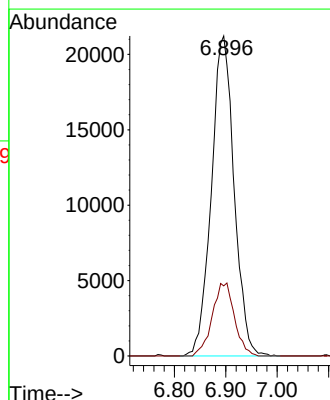
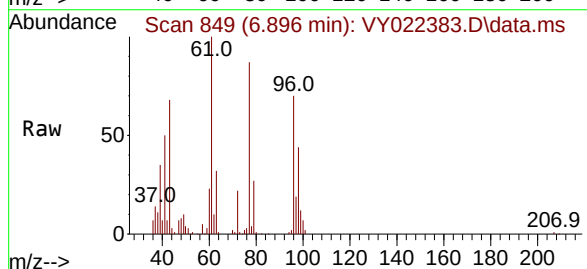
Acq: 22 May 2025 09:59

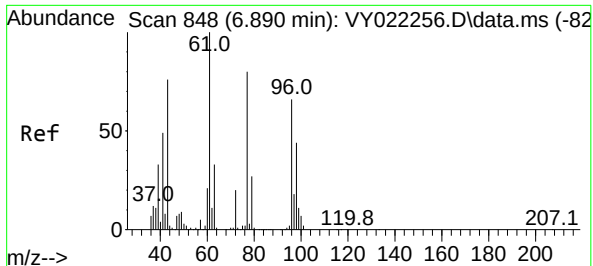
Tgt Ion: 77 Resp: 65151

Ion Ratio Lower Upper

77 100

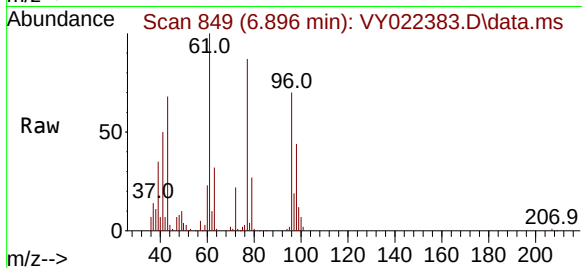
97 22.3 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 20.734 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

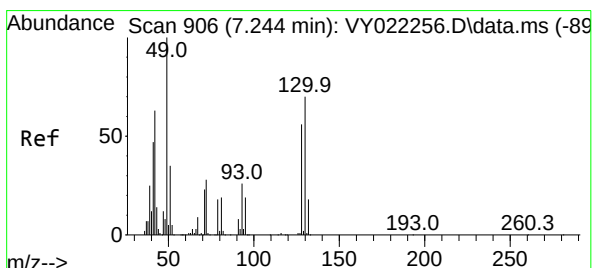
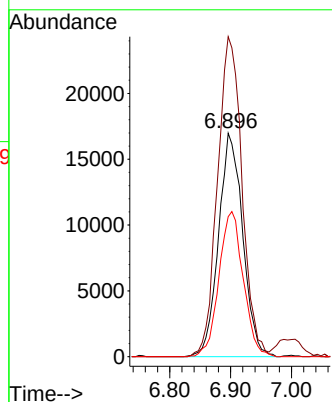
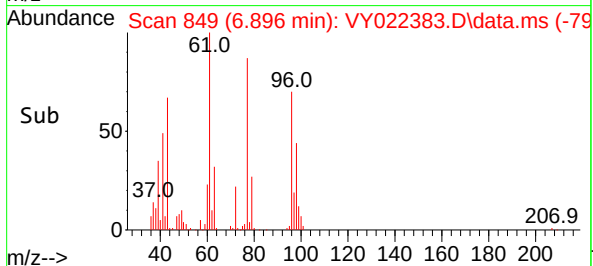
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 96 Resp: 46809
Ion Ratio Lower Upper
96 100
61 145.2 0.0 302.6
98 65.4 0.0 128.8

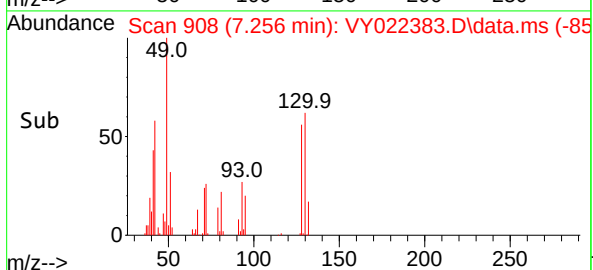
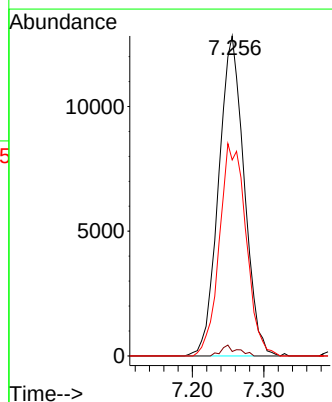
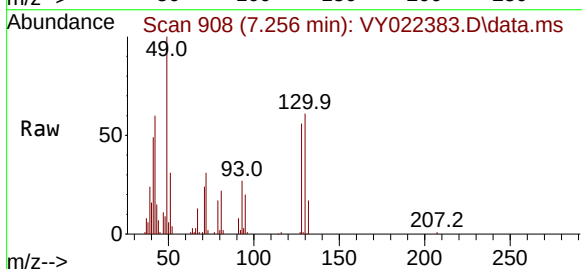
Manual Integrations
APPROVED

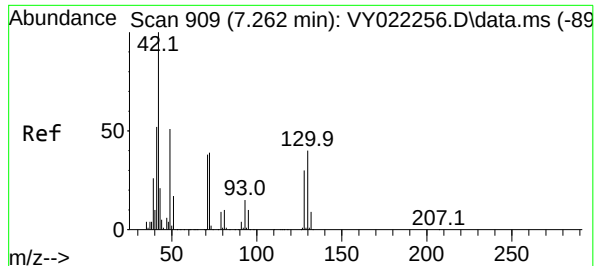
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#28
Bromochloromethane
Concen: 20.331 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 49 Resp: 31798
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.6
130 69.5 54.7 82.1





#29

Tetrahydrofuran

Concen: 102.279 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

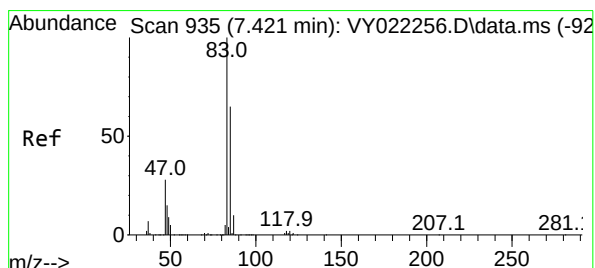
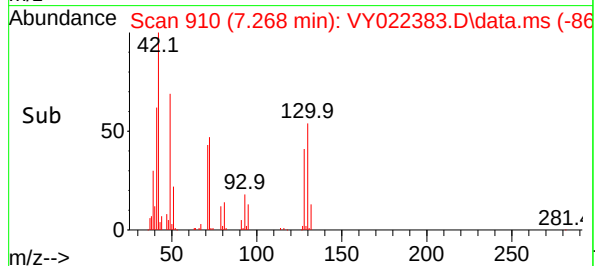
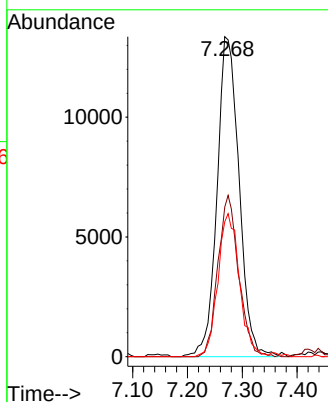
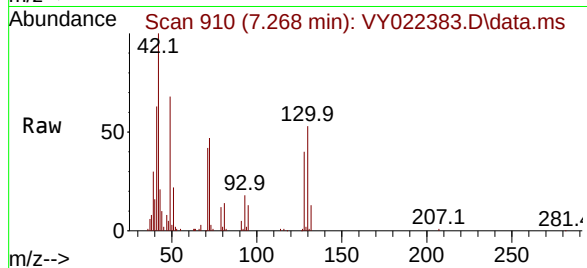
Tgt Ion:	42	Resp:	3737
Ion Ratio	Lower	Upper	
42	100		
72	47.4	33.8	50.6
71	43.7	31.5	47.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Chloroform

Concen: 20.687 ug/l

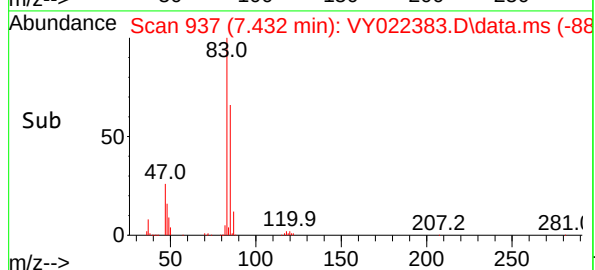
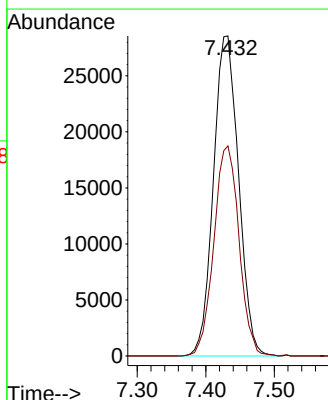
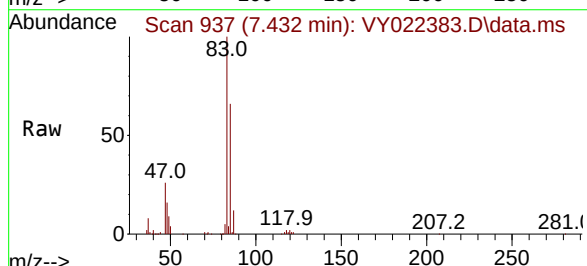
RT: 7.432 min Scan# 937

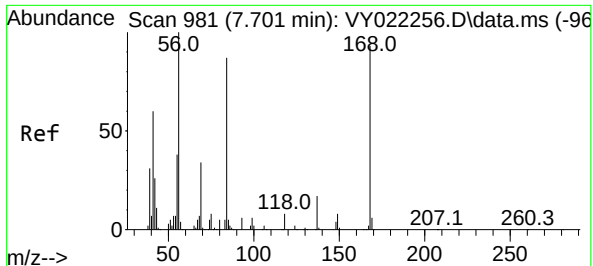
Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	83	Resp:	72756
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.8	77.8





#31

Cyclohexane

Concen: 18.844 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 56 Resp: 69034

Ion Ratio Lower Upper

56 100

69 37.2 27.4 41.2

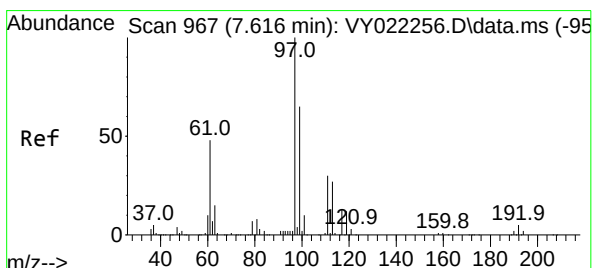
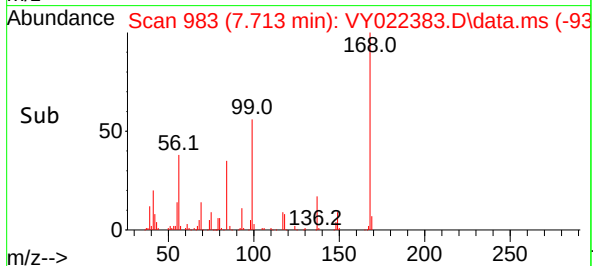
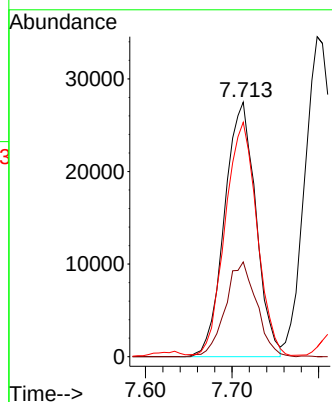
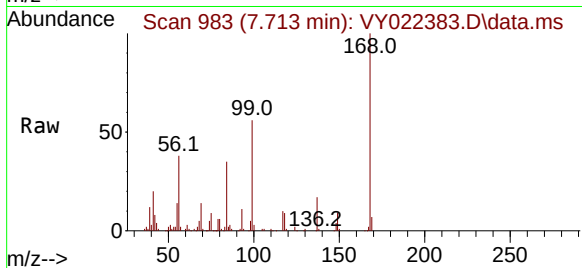
84 90.8 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#32

1,1,1-Trichloroethane

Concen: 20.479 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

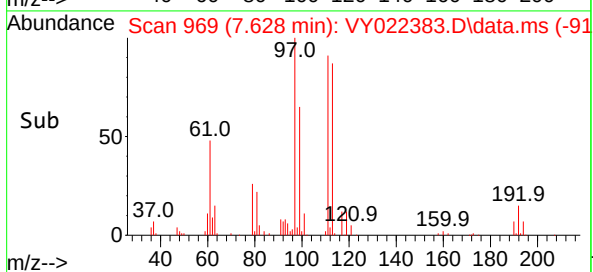
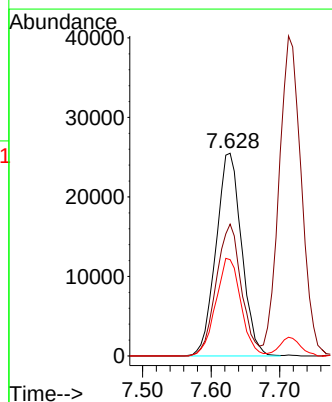
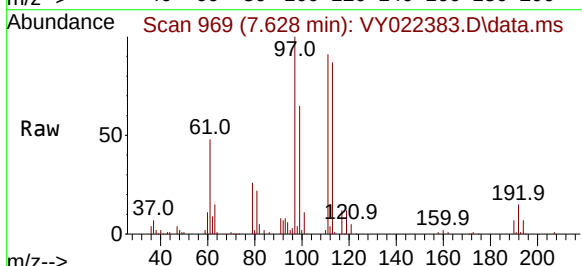
Tgt Ion: 97 Resp: 66078

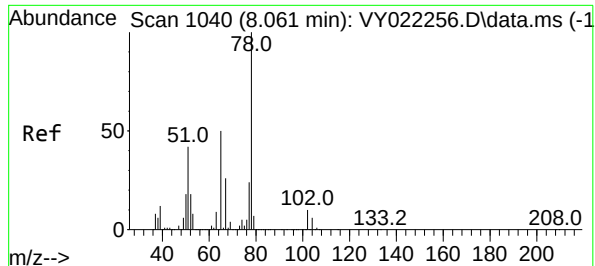
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 47.2 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 50.418 ug/l

RT: 8.073 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 65 Resp: 91305

Ion Ratio Lower Upper

65 100

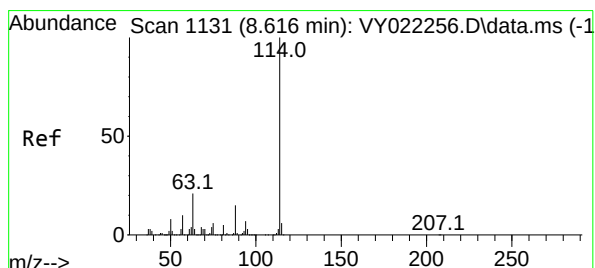
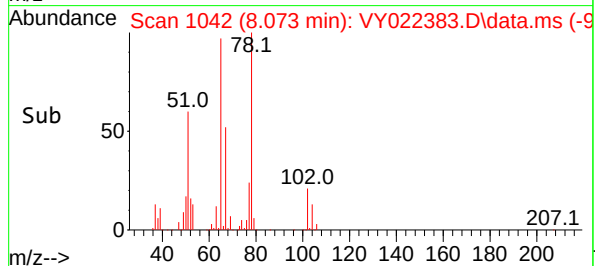
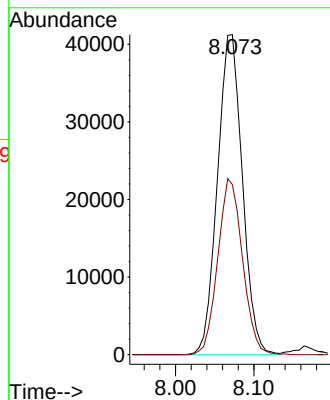
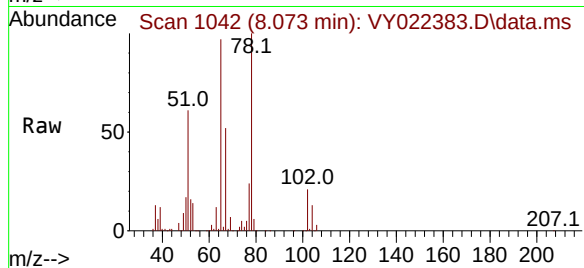
67 54.5 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

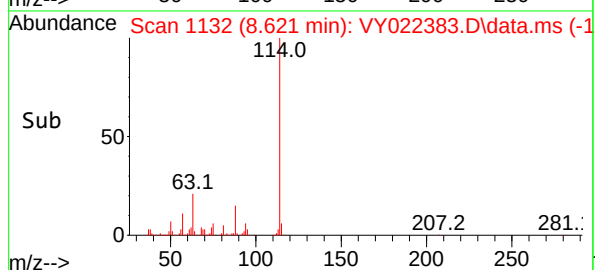
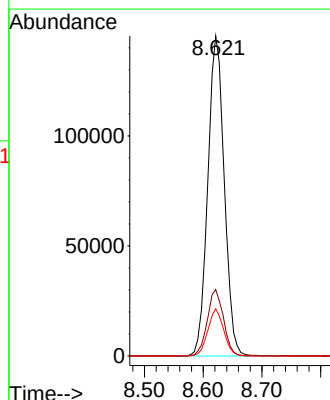
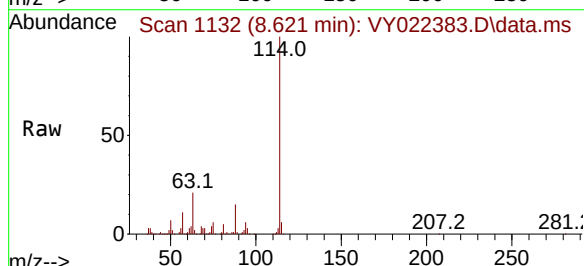
Tgt Ion:114 Resp: 283052

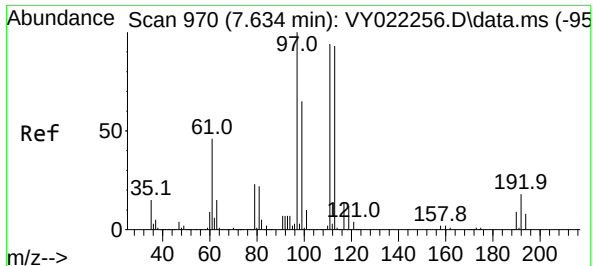
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.978 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion:113 Resp: 86124

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

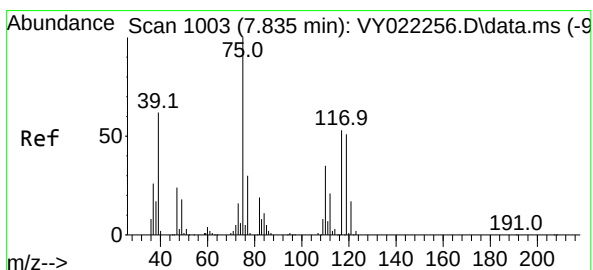
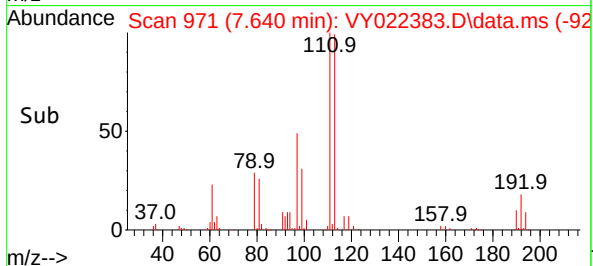
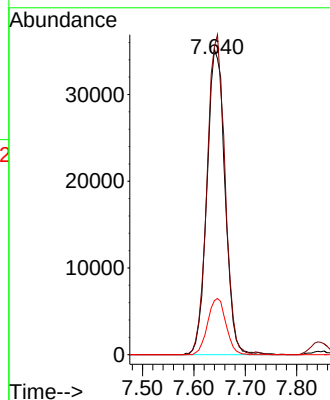
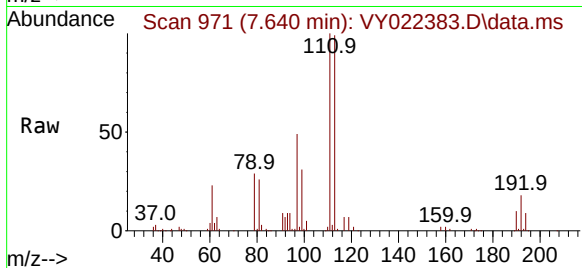
192 18.6 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#36

1,1-Dichloropropene

Concen: 19.537 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

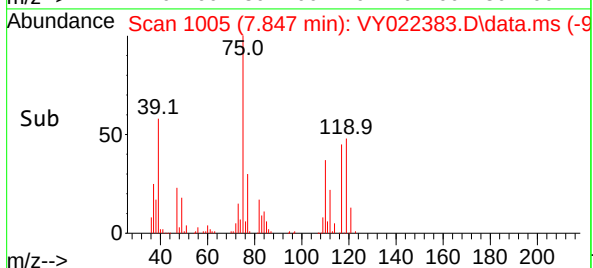
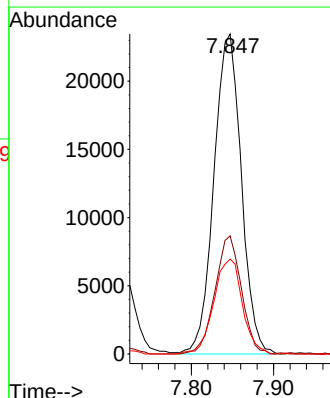
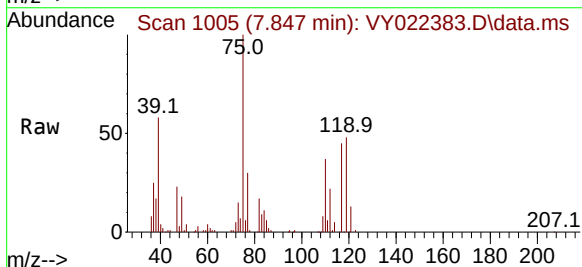
Tgt Ion: 75 Resp: 54364

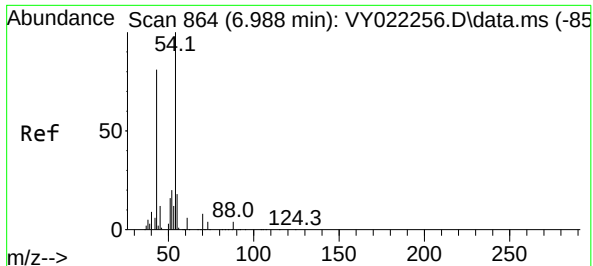
Ion Ratio Lower Upper

75 100

110 35.4 16.6 49.8

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 20.333 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 43 Resp: 2722

Ion Ratio Lower Upper

43 100

61 15.0 10.2 15.2

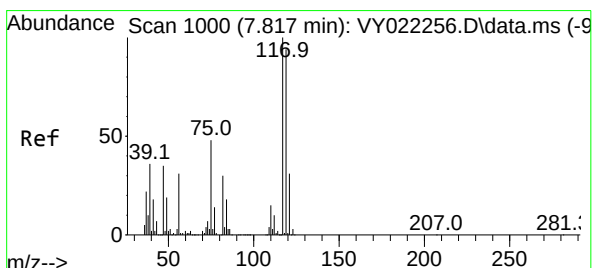
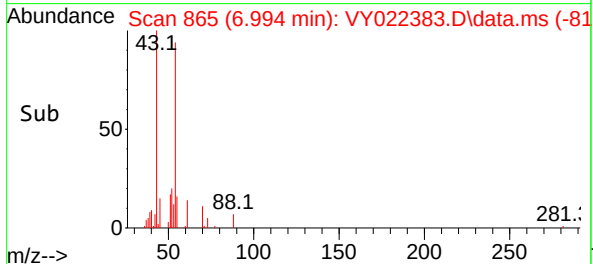
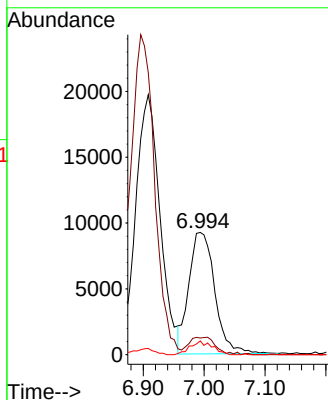
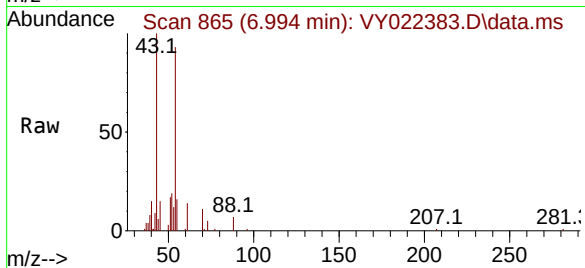
70 9.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Carbon Tetrachloride

Concen: 19.539 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

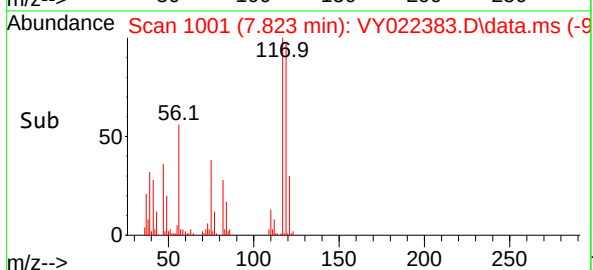
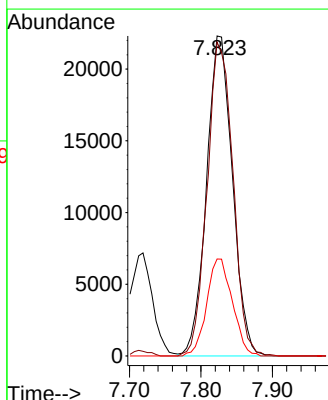
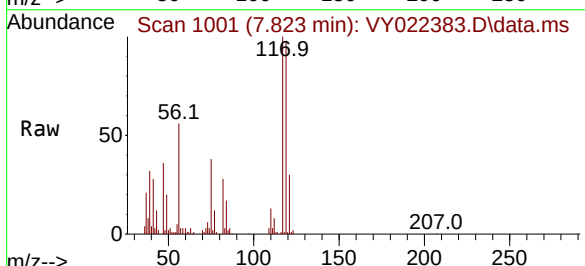
Tgt Ion:117 Resp: 56279

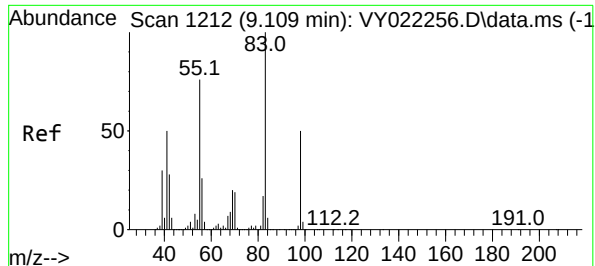
Ion Ratio Lower Upper

117 100

119 98.1 75.3 112.9

121 30.3 24.7 37.1





#39

Methylcyclohexane

Concen: 19.561 ug/l

RT: 9.115 min Scan# 1212

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 83 Resp: 73130

Ion Ratio Lower Upper

83 100

55 67.9 60.6 90.8

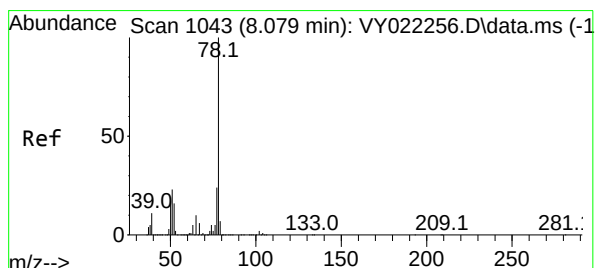
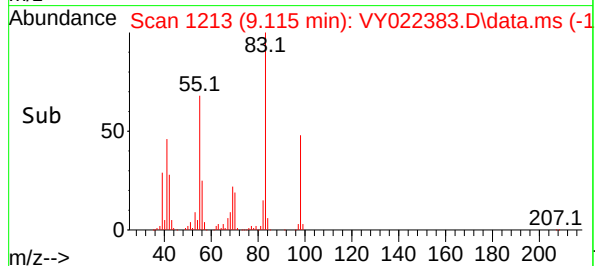
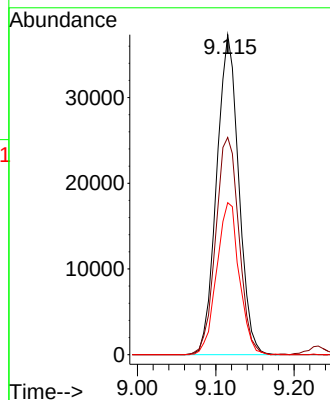
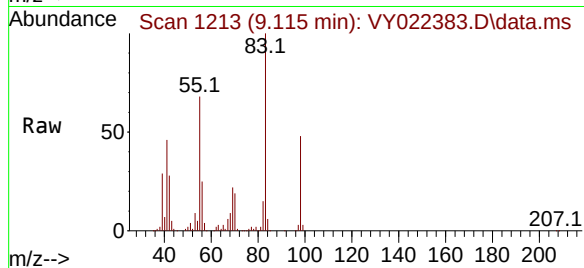
98 47.5 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#40

Benzene

Concen: 20.124 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022383.D

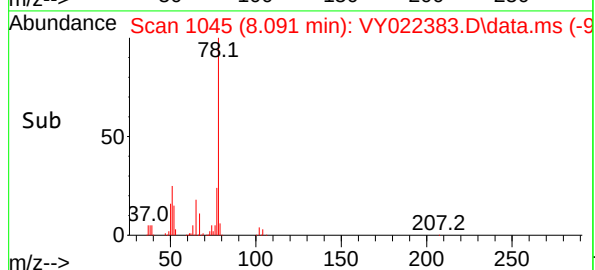
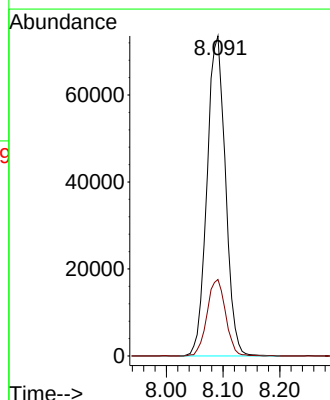
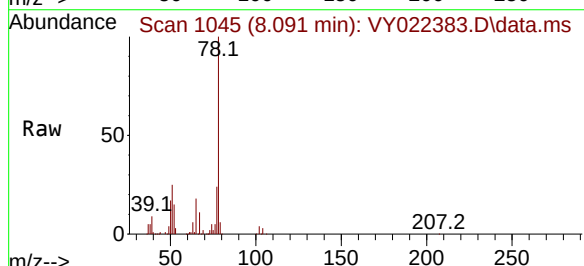
Acq: 22 May 2025 09:59

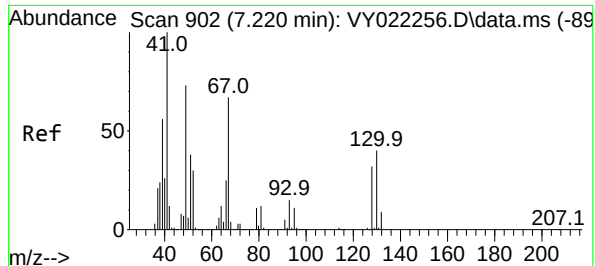
Tgt Ion: 78 Resp: 166008

Ion Ratio Lower Upper

78 100

77 23.9 18.9 28.3





#41

Methacrylonitrile

Concen: 15.074 ug/l

RT: 7.231 min Scan# 904

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 41 Resp: 1338

Ion Ratio Lower Upper

41 100

39 57.6 39.1 58.7

67 87.4 47.1 70.7

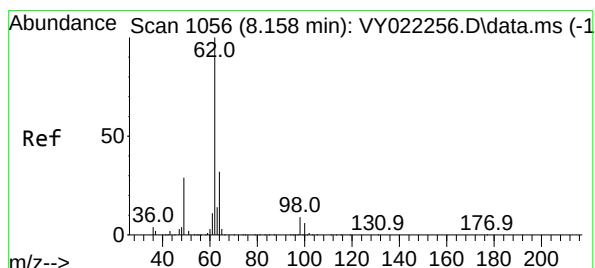
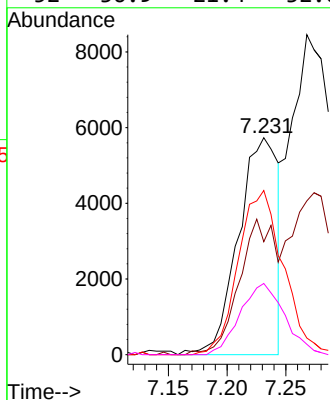
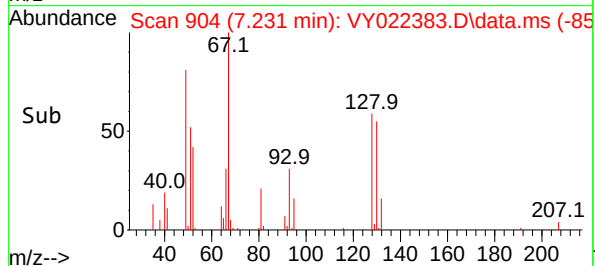
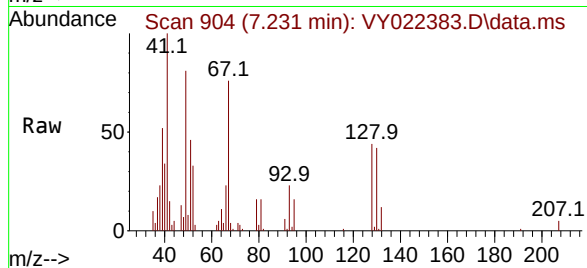
52 36.9 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#42

1,2-Dichloroethane

Concen: 20.330 ug/l

RT: 8.164 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VY022383.D

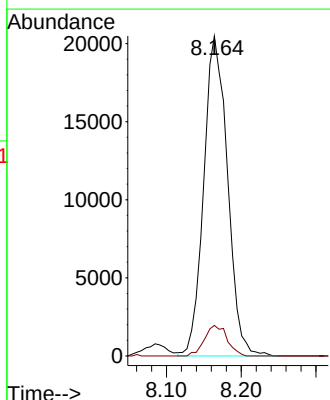
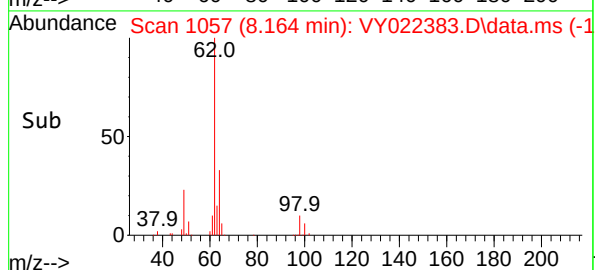
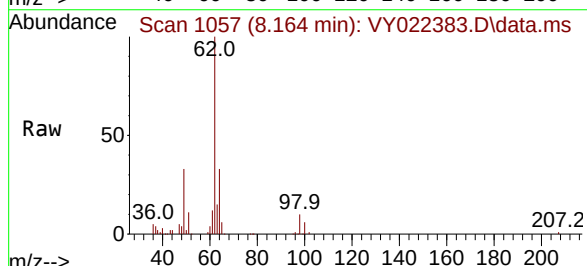
Acq: 22 May 2025 09:59

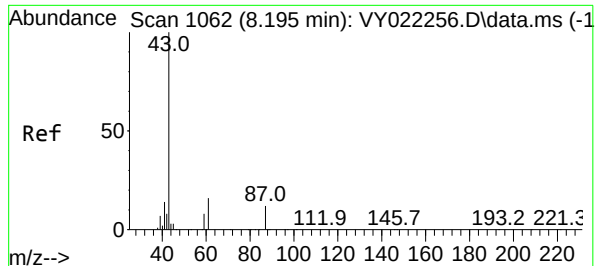
Tgt Ion: 62 Resp: 45353

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.101 ug/l

RT: 8.207 min Scan# 1064

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

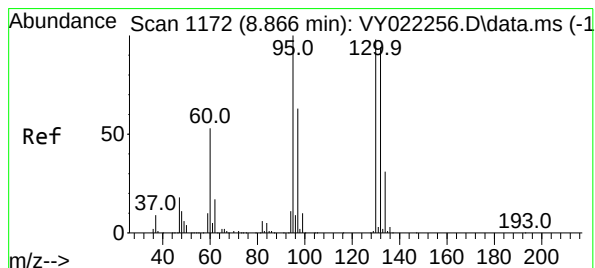
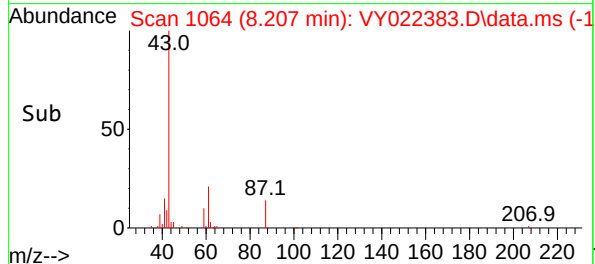
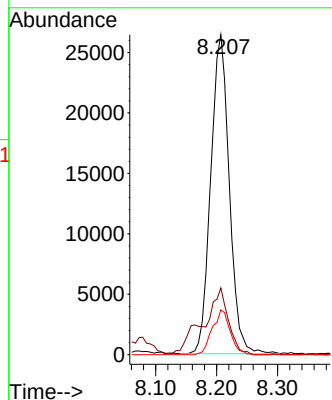
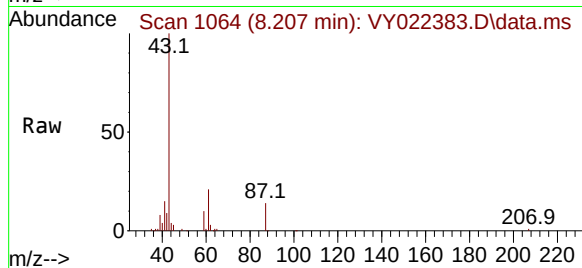
Tgt Ion: 43	Resp: 5577
Ion Ratio	Lower Upper
43 100	
61 18.7	15.1 22.7
87 13.5	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#44

Trichloroethene

Concen: 20.257 ug/l

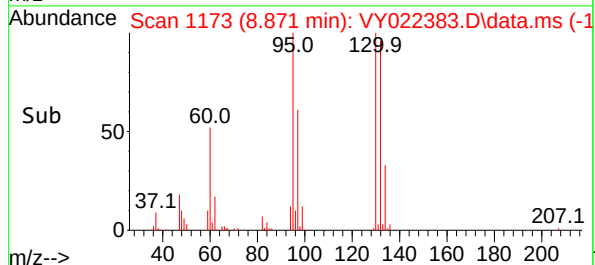
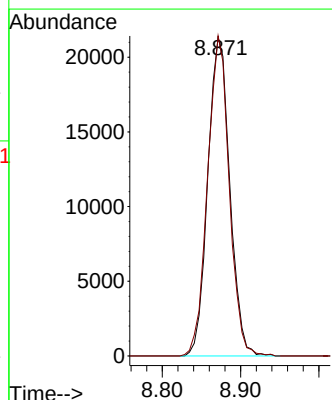
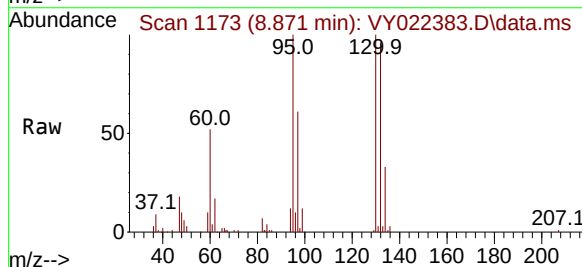
RT: 8.871 min Scan# 1173

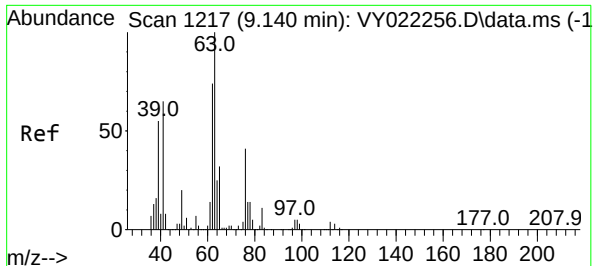
Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:130	Resp: 41551
Ion Ratio	Lower Upper
130 100	
95 100.5	0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.675 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 63 Resp: 3913

Ion Ratio Lower Upper

63 100

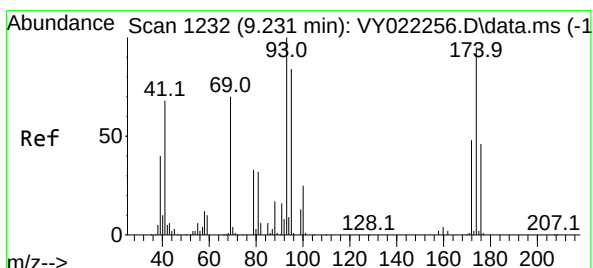
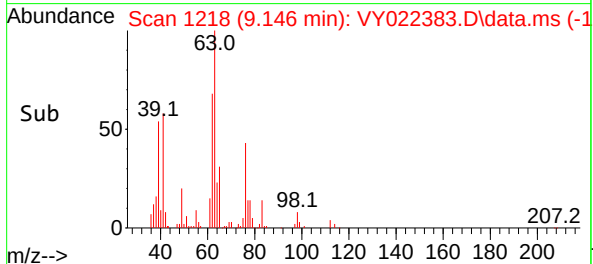
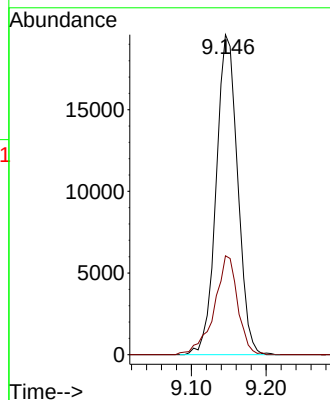
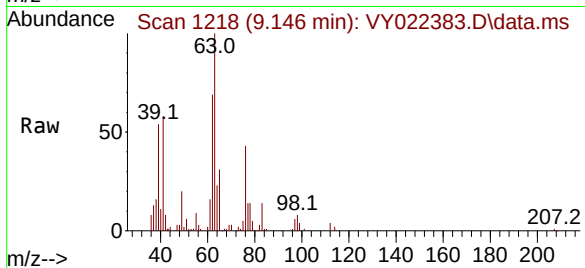
65 30.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#46

Dibromomethane

Concen: 20.805 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

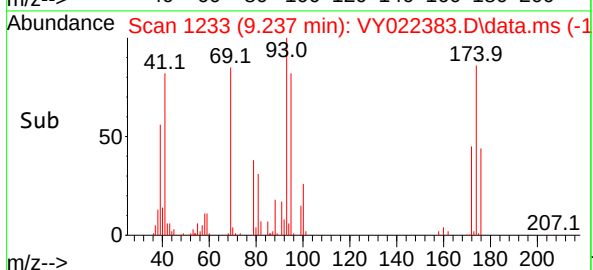
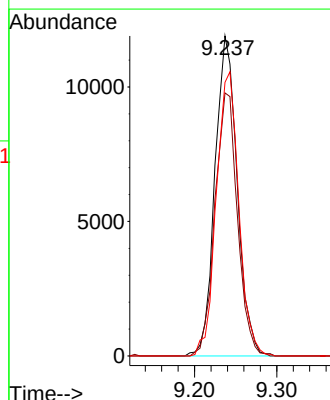
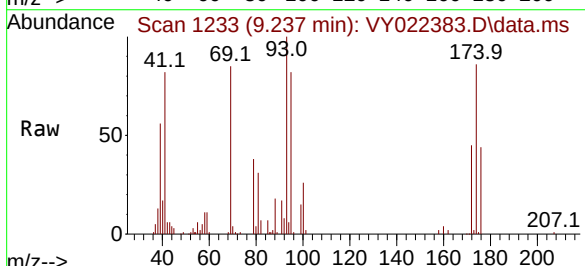
Tgt Ion: 93 Resp: 22317

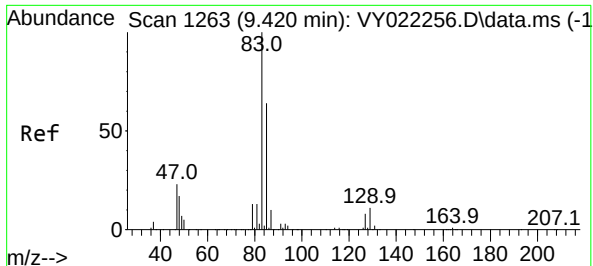
Ion Ratio Lower Upper

93 100

95 83.2 65.2 97.8

174 89.6 74.3 111.5





#47

Bromodichloromethane

Concen: 19.900 ug/l

RT: 9.432 min Scan# 1265

Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

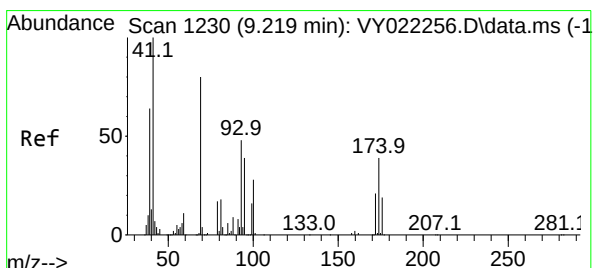
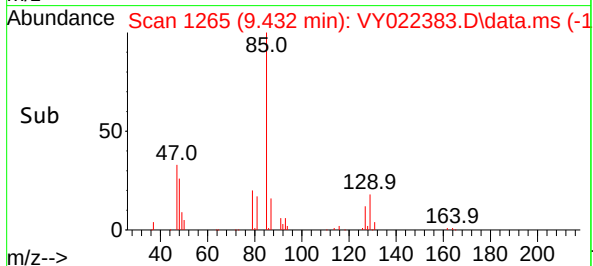
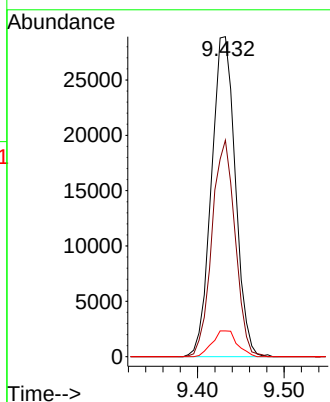
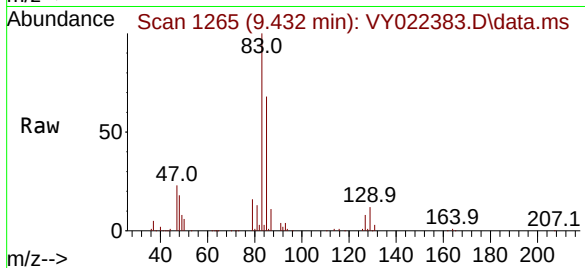
Tgt Ion:	83	Resp:	55379
Ion Ratio	Lower	Upper	
83	100		
85	67.7	51.1	76.7
127	8.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Methyl methacrylate

Concen: 18.137 ug/l

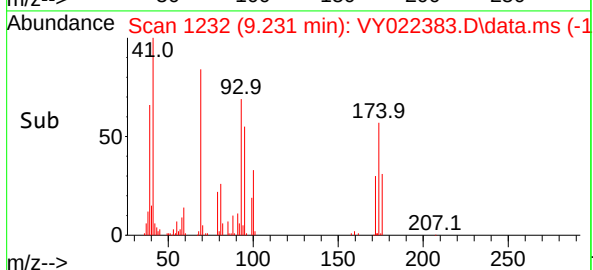
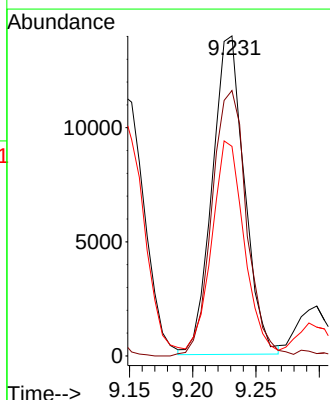
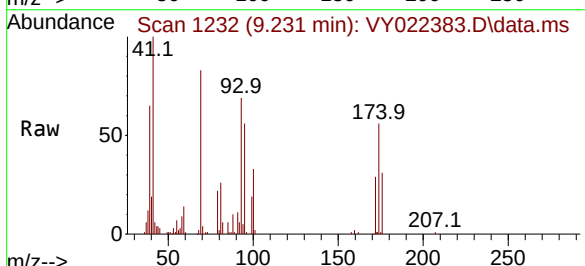
RT: 9.231 min Scan# 1232

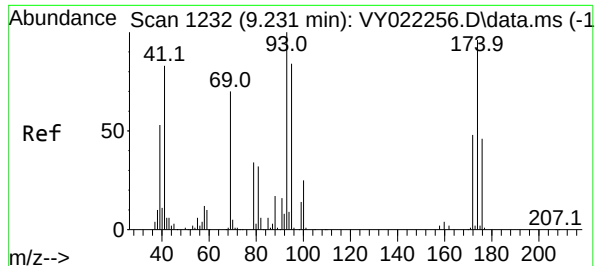
Delta R.T. 0.012 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	41	Resp:	24767
Ion Ratio	Lower	Upper	
41	100		
69	89.4	63.5	95.3
39	64.7	50.8	76.2





#49

1,4-Dioxane

Concen: 418.379 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion: 88 Resp: 5070

Ion Ratio Lower Upper

88 100

43 35.6 28.5 42.7

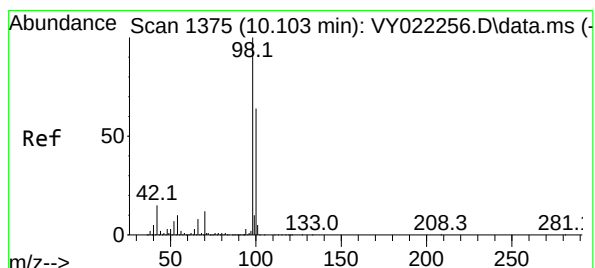
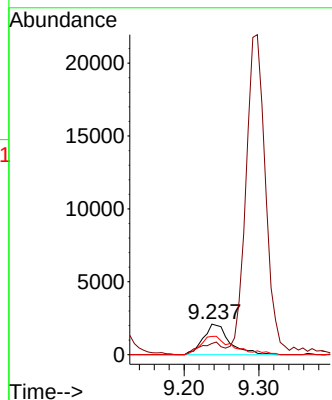
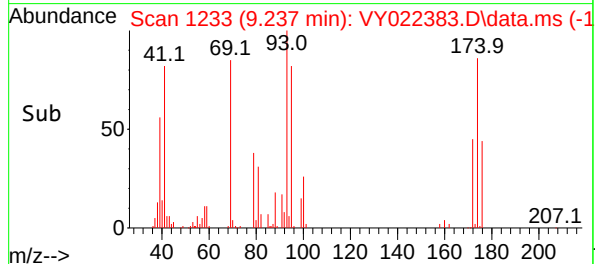
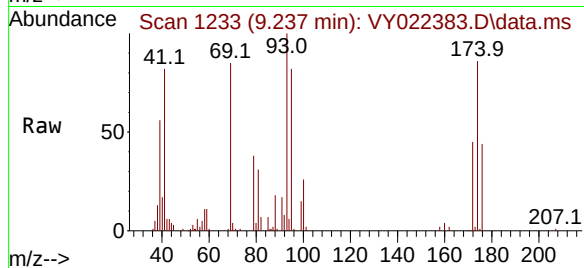
58 68.2 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#50

Toluene-d8

Concen: 49.856 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022383.D

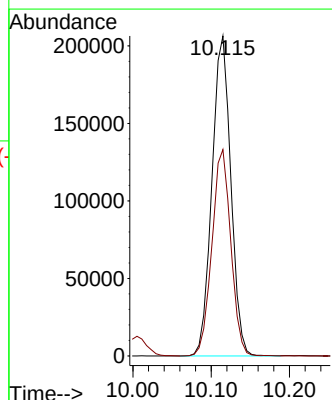
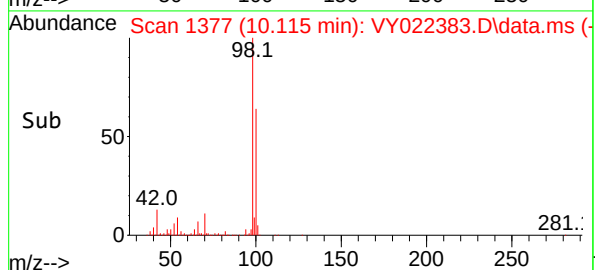
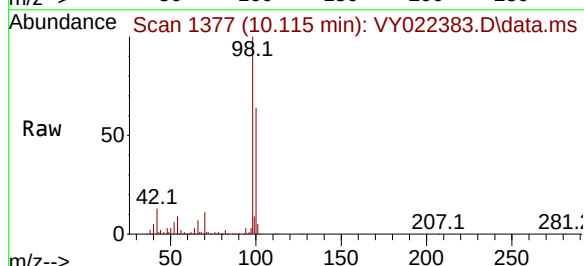
Acq: 22 May 2025 09:59

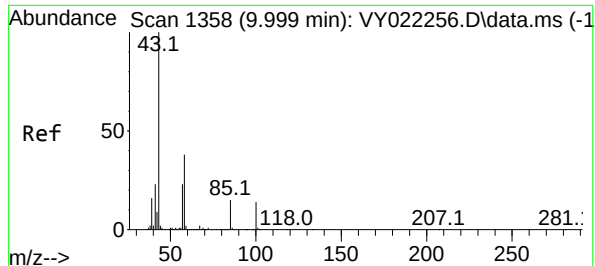
Tgt Ion: 98 Resp: 344960

Ion Ratio Lower Upper

98 100

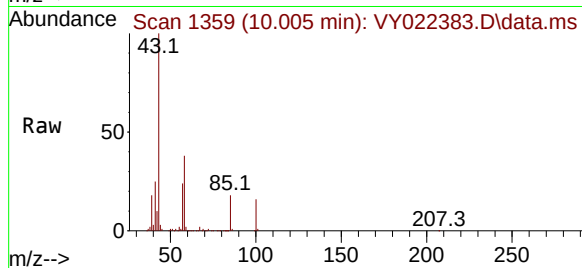
100 64.7 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 97.604 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

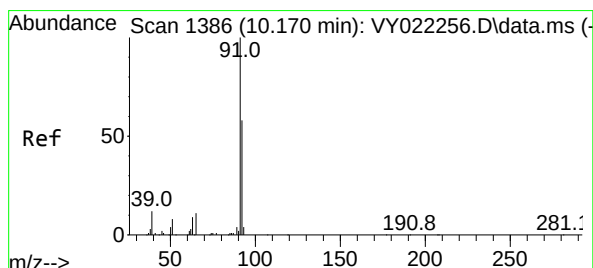
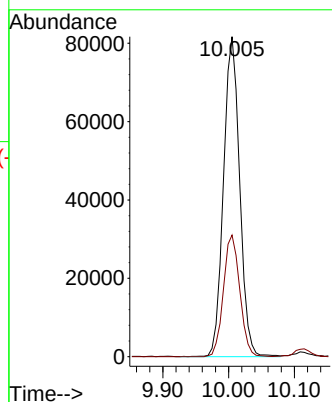
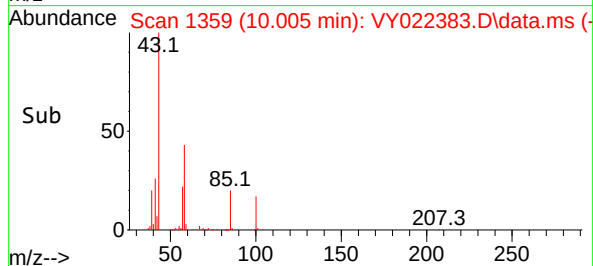
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 43 Resp: 139840
Ion Ratio Lower Upper
43 100
58 38.5 29.4 44.2

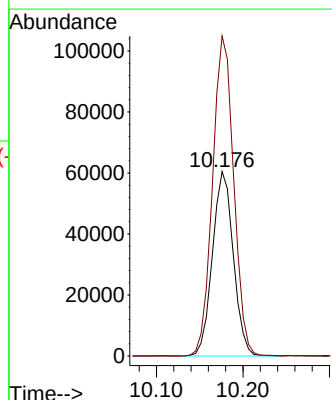
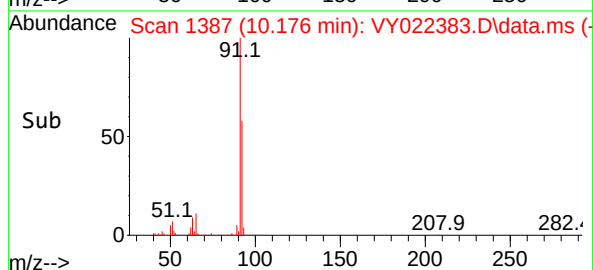
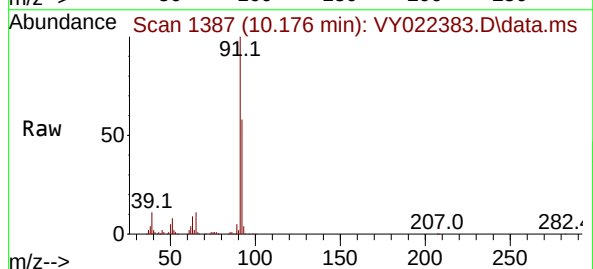
Manual Integrations
APPROVED

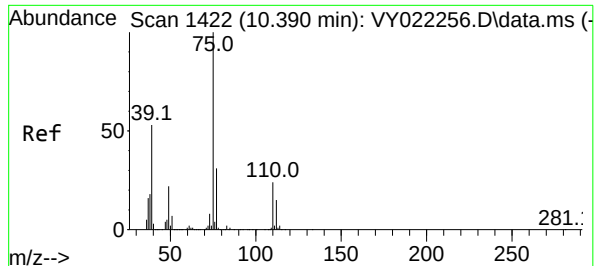
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Toluene
Concen: 19.375 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 92 Resp: 101209
Ion Ratio Lower Upper
92 100
91 175.8 139.1 208.7





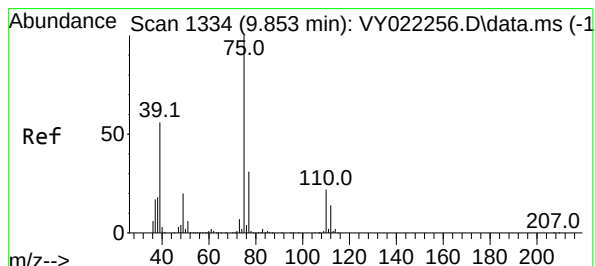
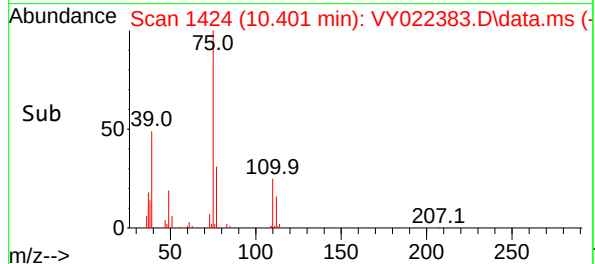
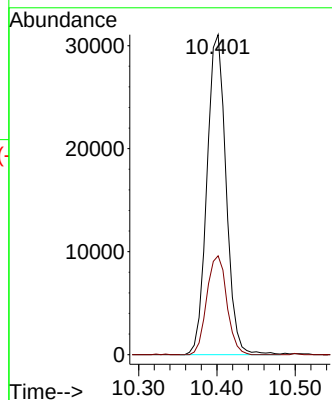
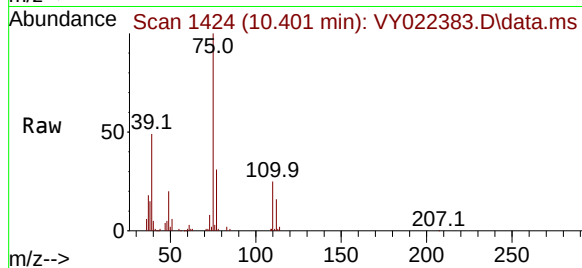
#53
t-1,3-Dichloropropene
Concen: 19.383 ug/l
RT: 10.401 min Scan# 1424
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion: 75 Resp: 5264
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

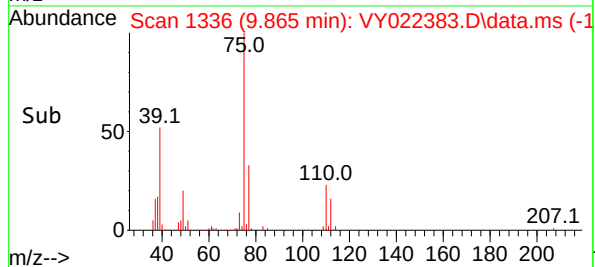
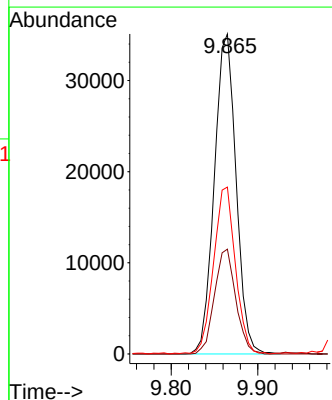
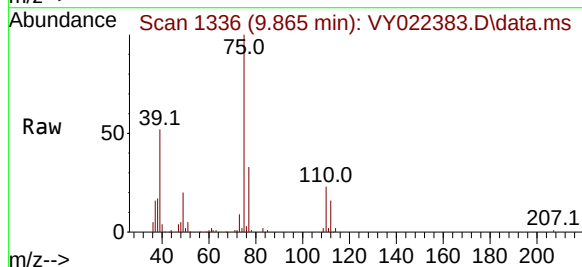
Manual Integrations
APPROVED

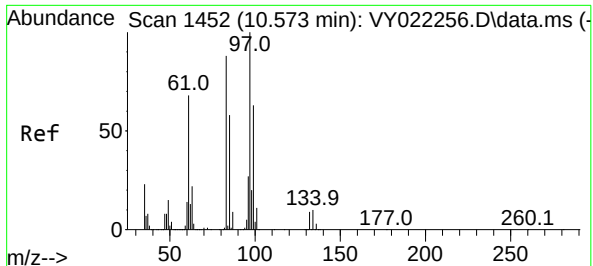
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#54
cis-1,3-Dichloropropene
Concen: 19.697 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

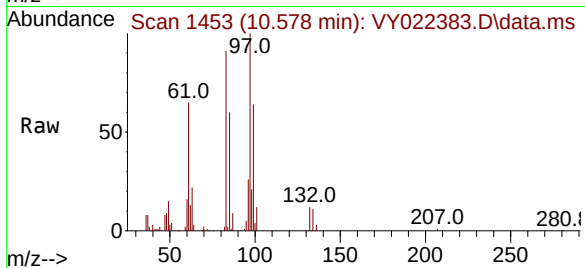
Tgt Ion: 75 Resp: 61287
Ion Ratio Lower Upper
75 100
77 32.8 25.1 37.7
39 52.0 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 20.813 ug/l
RT: 10.578 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

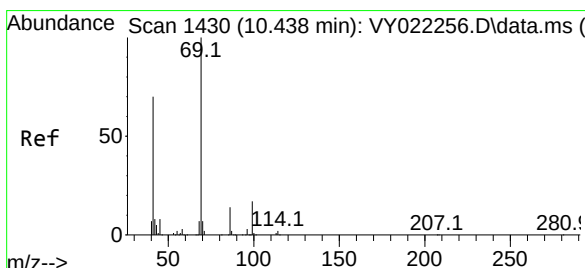
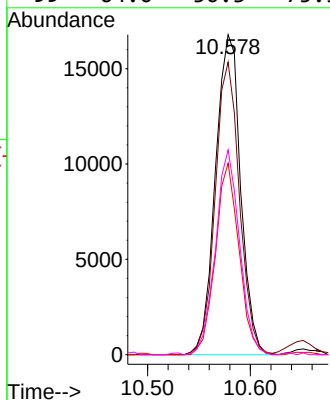
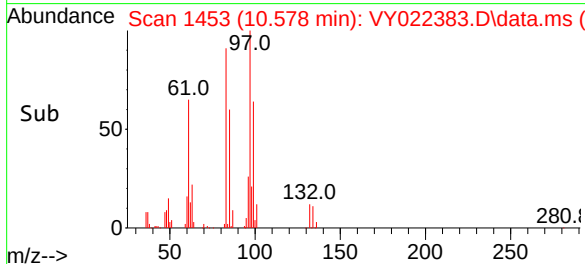
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



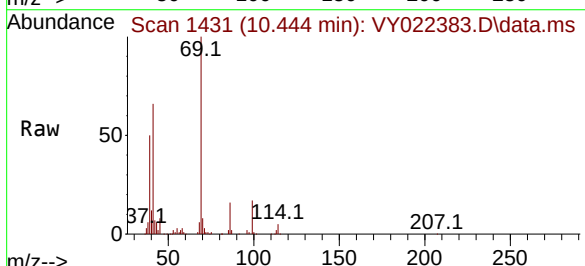
Tgt Ion: 97 Resp: 28589
Ion Ratio Lower Upper
97 100
83 91.4 70.3 105.5
85 59.9 46.2 69.4
99 64.0 50.3 75.5

Manual Integrations
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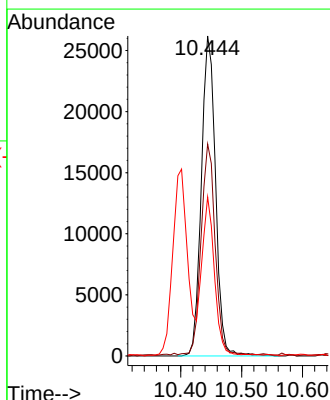
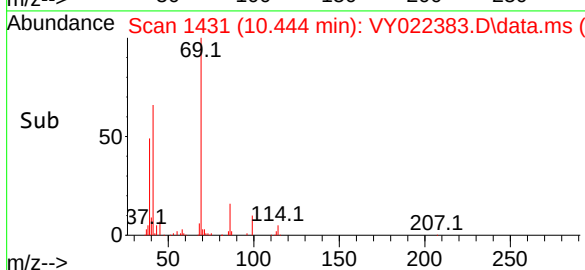
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

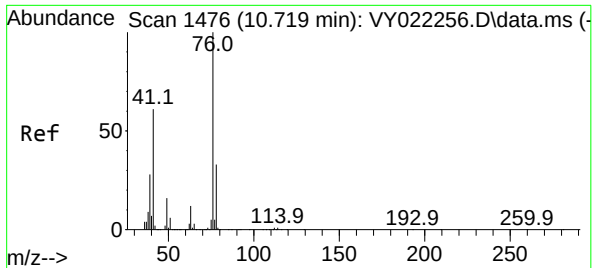


#56
Ethyl methacrylate
Concen: 19.818 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59



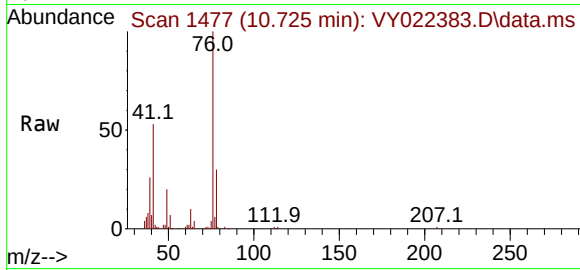
Tgt Ion: 69 Resp: 42404
Ion Ratio Lower Upper
69 100
41 64.8 56.5 84.7
39 42.9 37.1 55.7





#57
1,3-Dichloropropane
Concen: 20.692 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

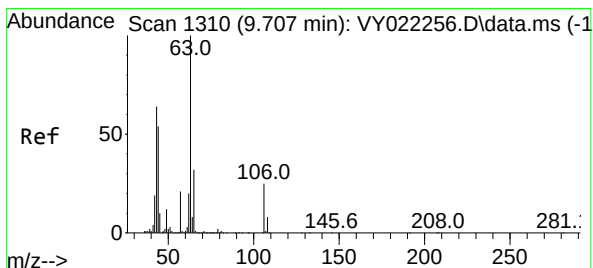
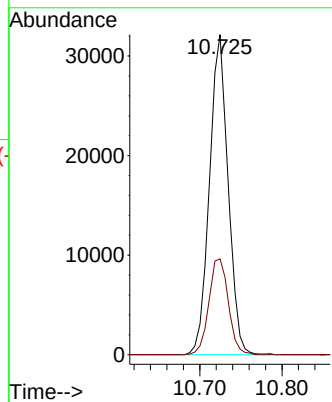
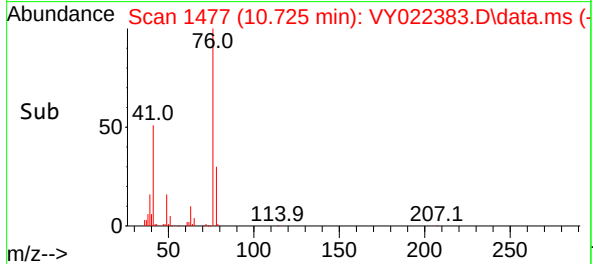
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



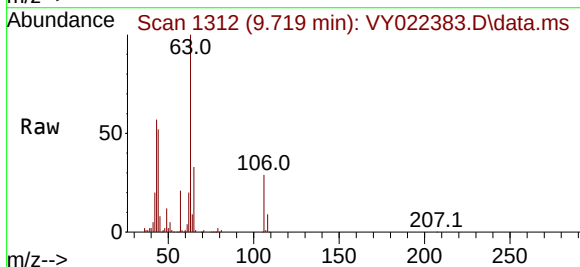
Tgt Ion: 76 Resp: 50498
Ion Ratio Lower Upper
76 100
78 31.3 25.8 38.8

Manual Integrations
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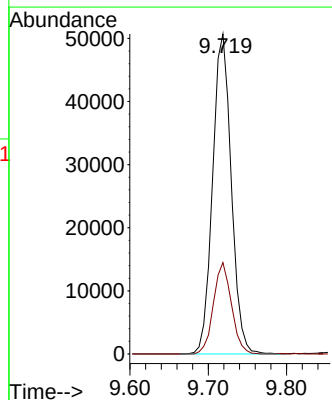
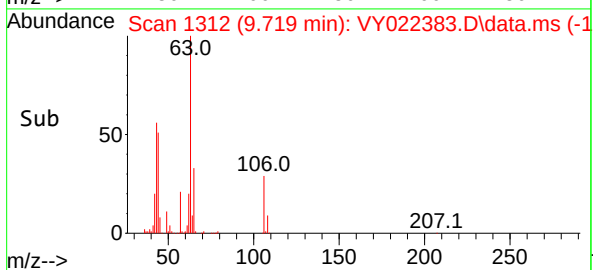
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

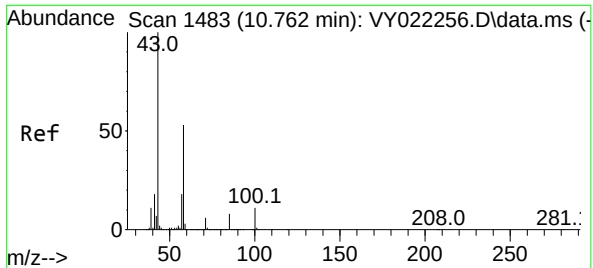


#58
2-Chloroethyl Vinyl ether
Concen: 87.274 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59



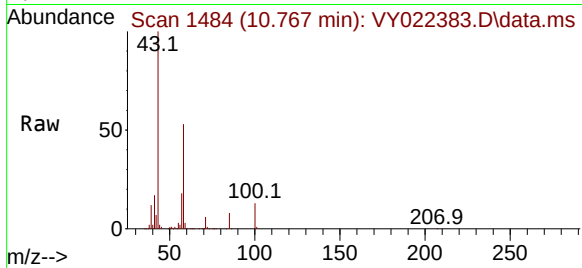
Tgt Ion: 63 Resp: 83817
Ion Ratio Lower Upper
63 100
106 27.5 21.0 31.4





#59
2-Hexanone
Concen: 95.660 ug/l
RT: 10.767 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

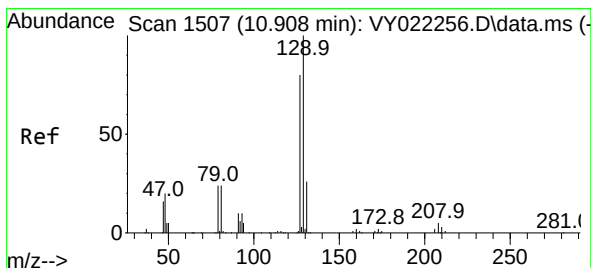
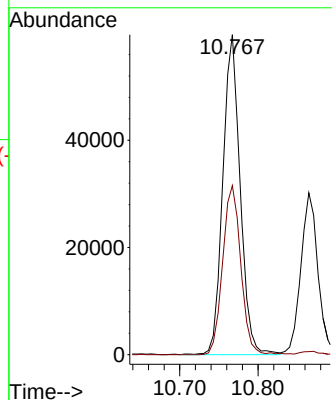
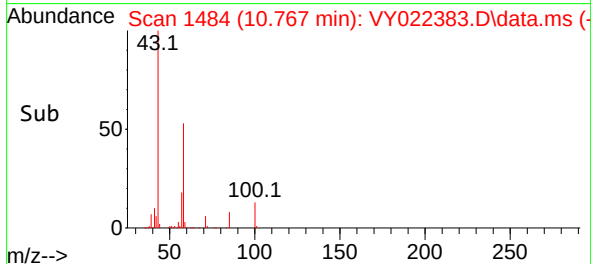
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 43 Resp: 9189
Ion Ratio Lower Upper
43 100
58 55.2 26.1 78.3

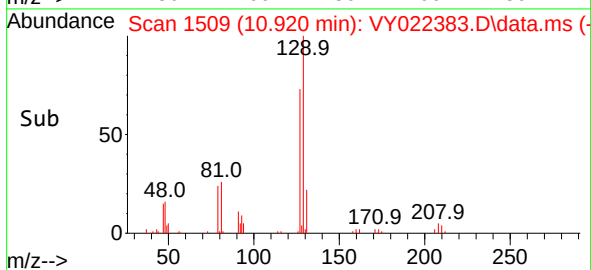
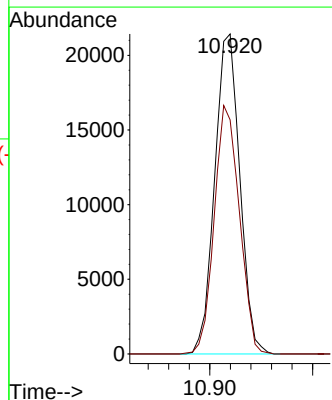
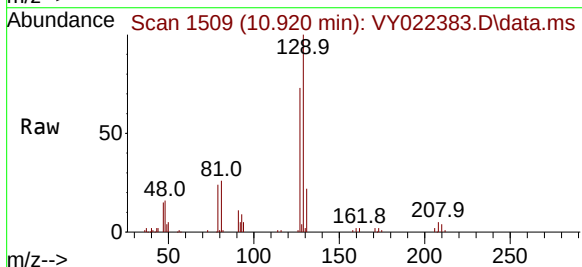
Manual Integrations
APPROVED

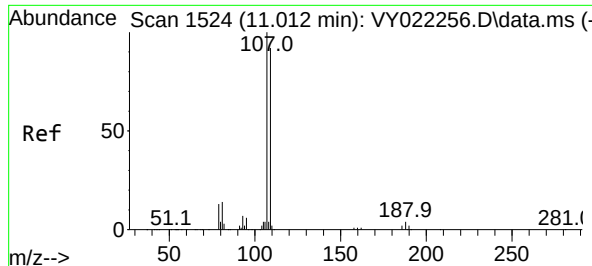
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#60
Dibromochloromethane
Concen: 20.356 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

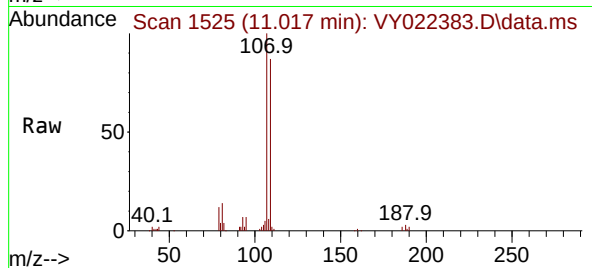
Tgt Ion:129 Resp: 36293
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.248 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

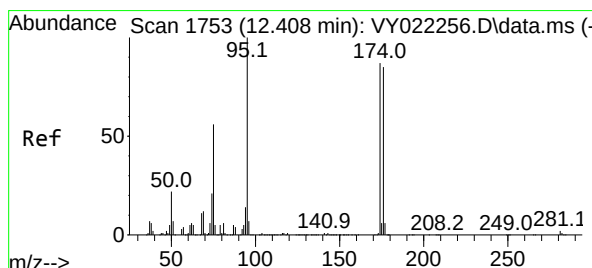
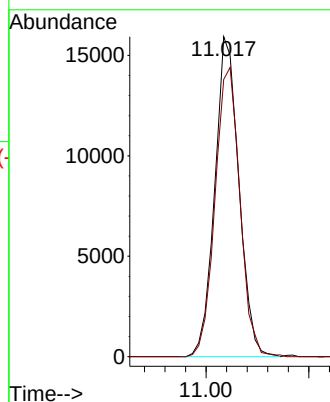
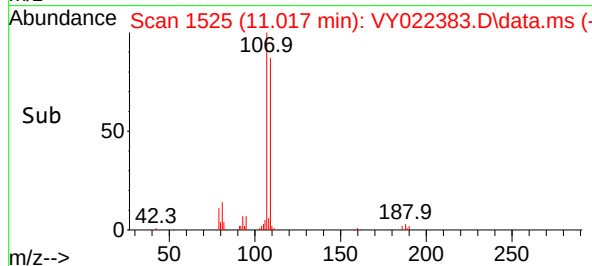
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



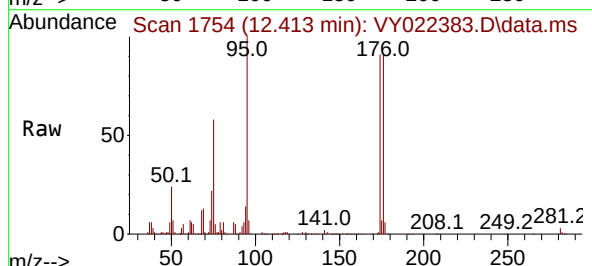
Tgt Ion:107 Resp: 2592
Ion Ratio Lower Upper
107 100
109 93.1 74.6 111.8

Manual Integrations
APPROVED

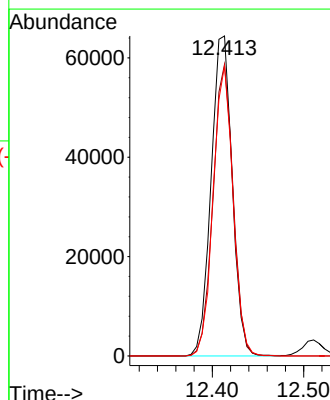
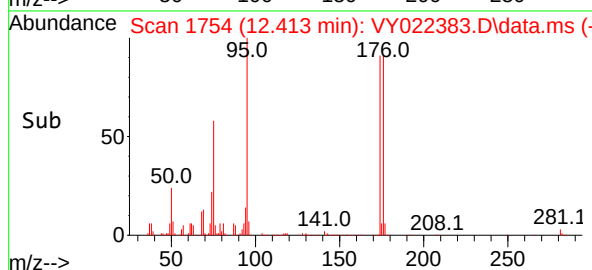
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

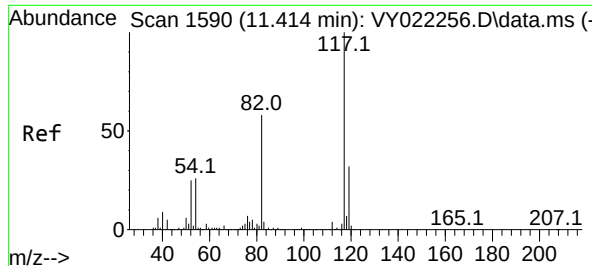


#62
4-Bromofluorobenzene
Concen: 47.068 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59



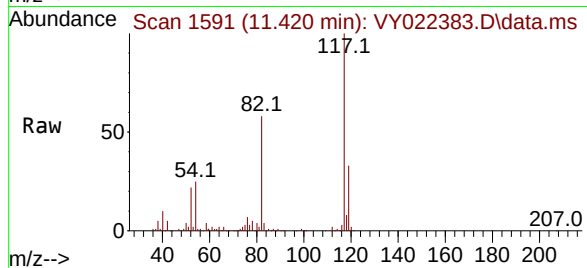
Tgt Ion: 95 Resp: 103227
Ion Ratio Lower Upper
95 100
174 86.8 0.0 166.8
176 85.4 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

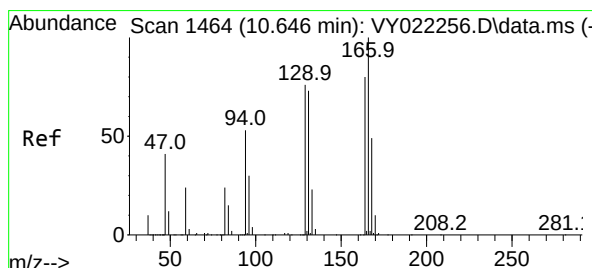
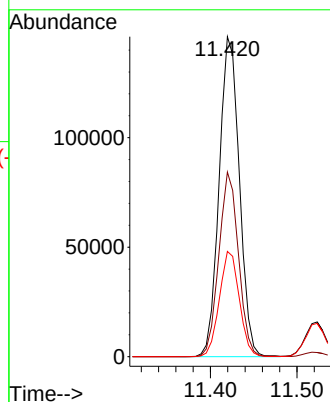
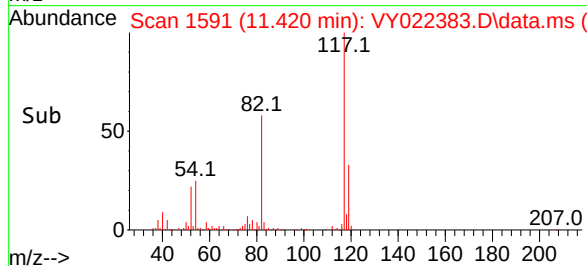
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion:117 Resp: 23694
Ion Ratio Lower Upper
117 100
82 57.7 46.6 70.0
119 32.9 25.8 38.6

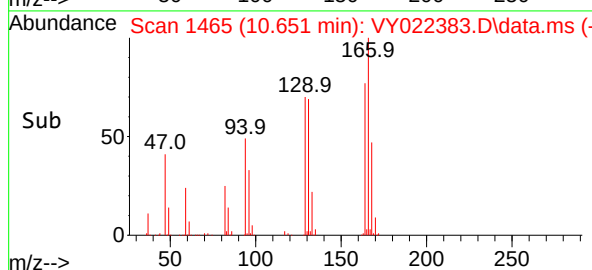
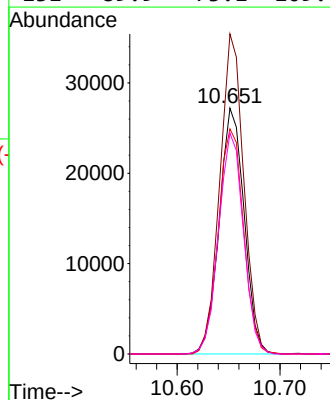
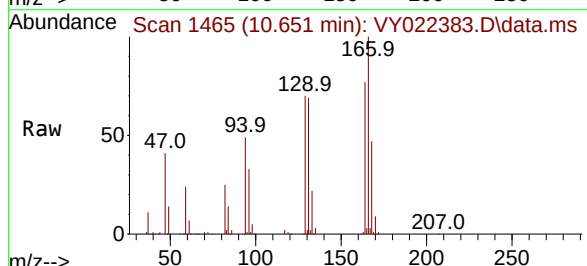
Manual Integrations
APPROVED

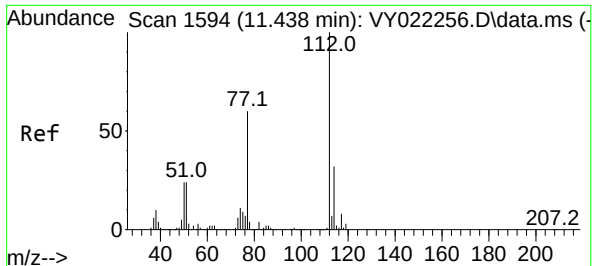
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#64
Tetrachloroethene
Concen: 20.889 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion:164 Resp: 45749
Ion Ratio Lower Upper
164 100
166 130.2 100.4 150.6
129 91.6 76.4 114.6
131 89.9 73.1 109.7





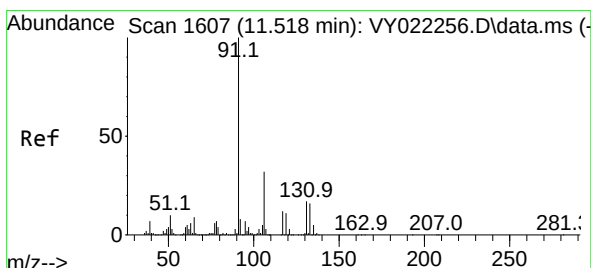
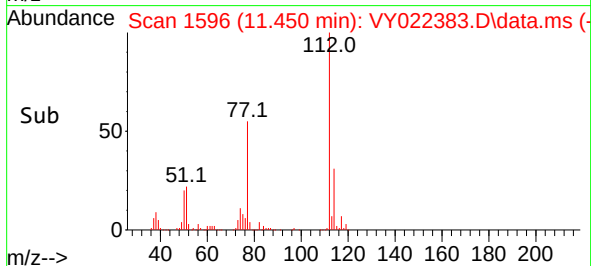
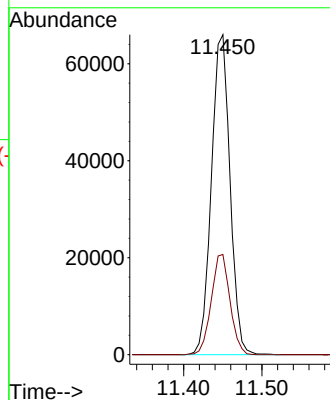
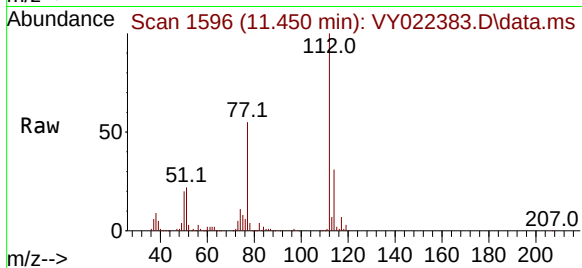
#65
Chlorobenzene
Concen: 20.365 ug/l
RT: 11.450 min Scan# 111
Delta R.T. 0.012 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion:112 Resp: 10886
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

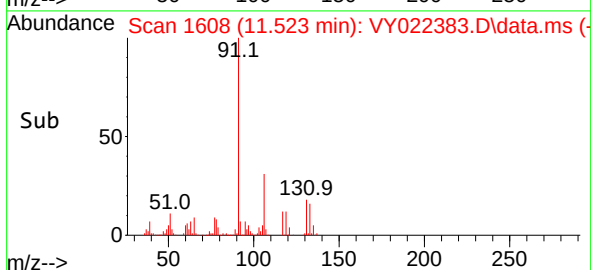
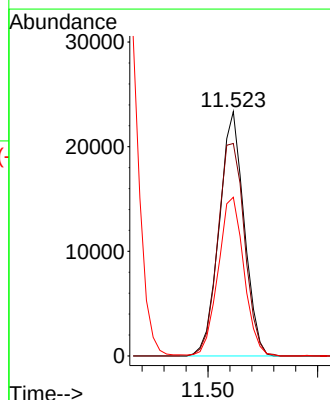
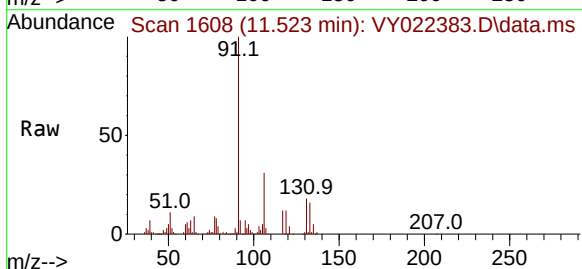
Manual Integrations
APPROVED

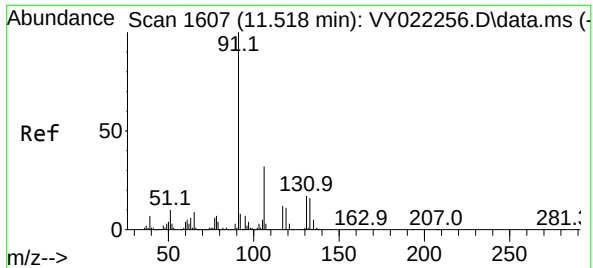
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.072 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

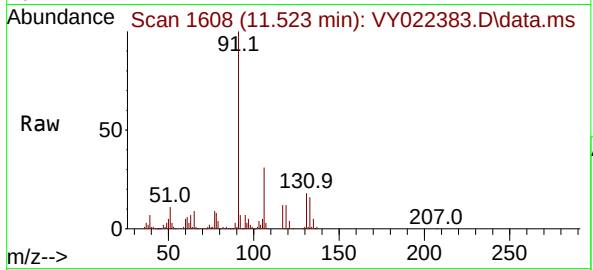
Tgt Ion:131 Resp: 36887
Ion Ratio Lower Upper
131 100
133 93.6 47.3 141.9
119 67.2 33.1 99.2





#67
Ethyl Benzene
Concen: 19.596 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

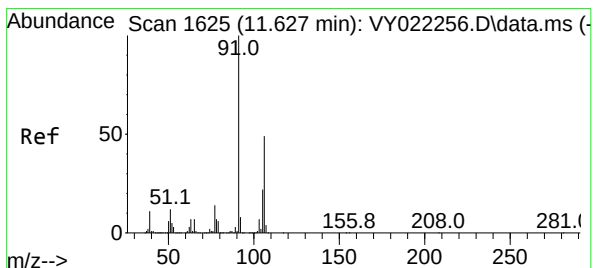
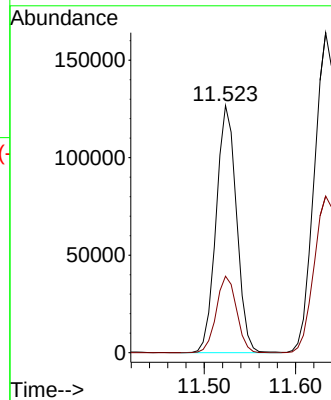
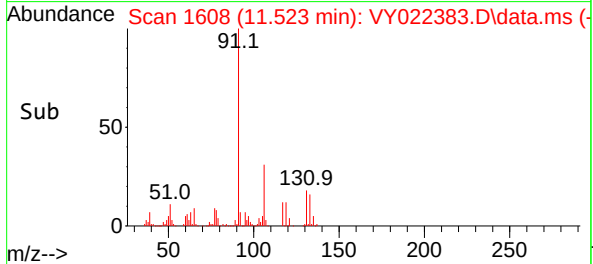
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 91 Resp: 196180
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

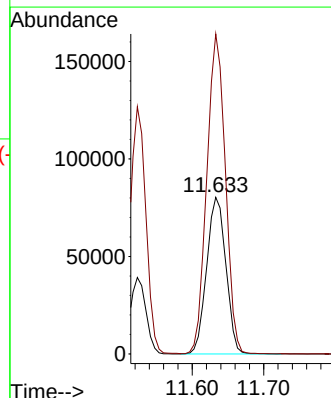
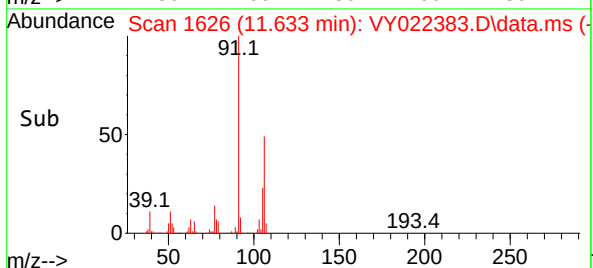
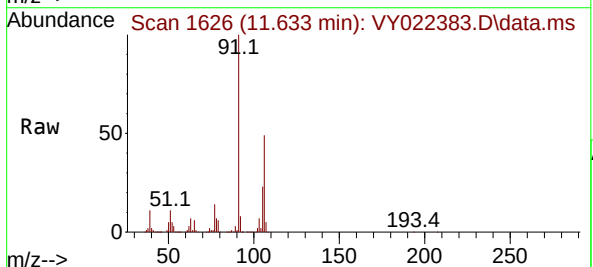
Manual Integrations
APPROVED

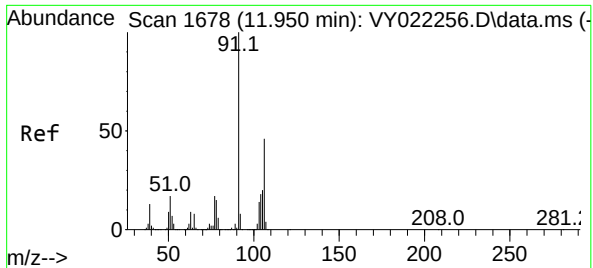
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#68
m/p-Xylenes
Concen: 39.722 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion:106 Resp: 149849
Ion Ratio Lower Upper
106 100
91 197.5 163.0 244.4





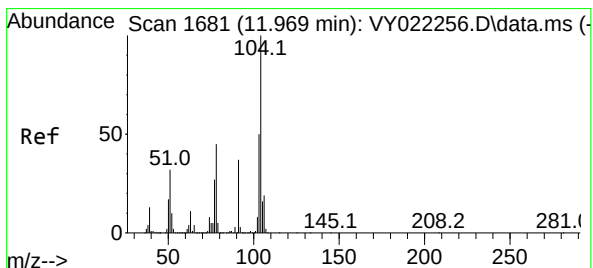
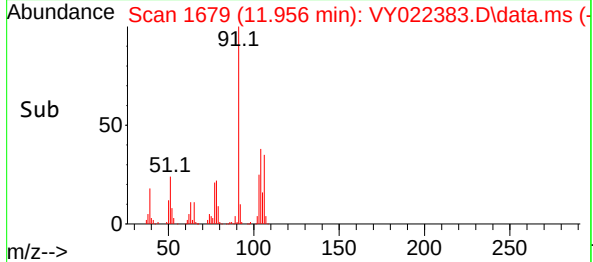
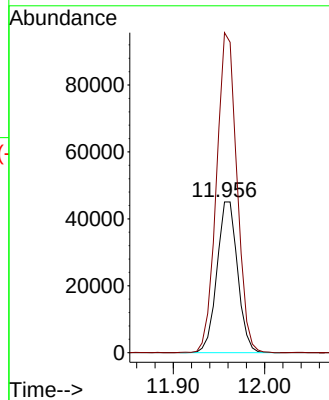
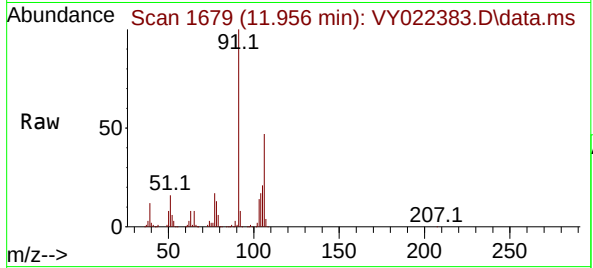
#69
o-Xylene
Concen: 19.838 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion:106 Resp: 70807
Ion Ratio Lower Upper
106 100
91 210.0 108.3 324.8

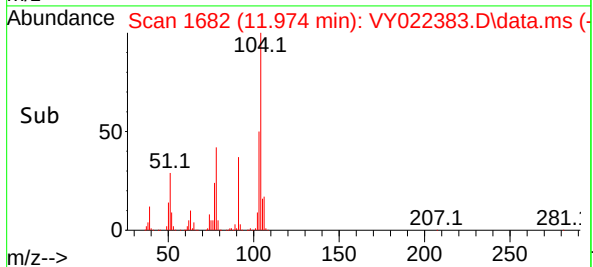
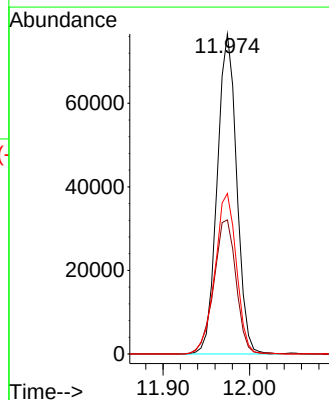
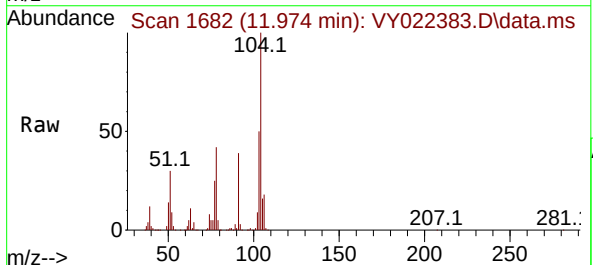
Manual Integrations
APPROVED

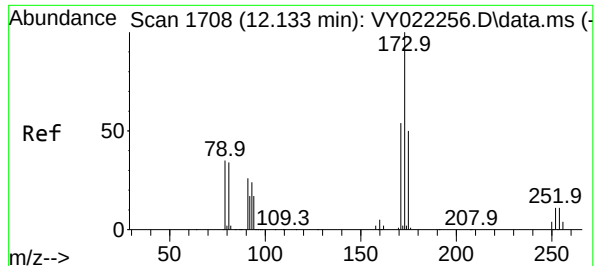
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
Styrene
Concen: 19.899 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

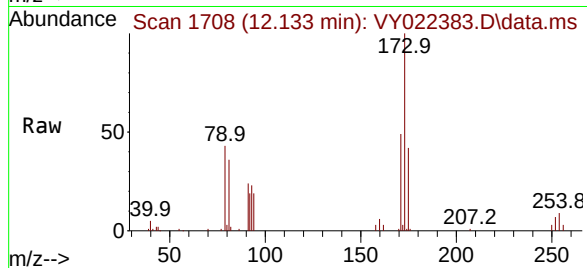
Tgt Ion:104 Resp: 119807
Ion Ratio Lower Upper
104 100
78 47.8 40.9 61.3
103 55.3 43.7 65.5





#71
Bromoform
Concen: 20.810 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

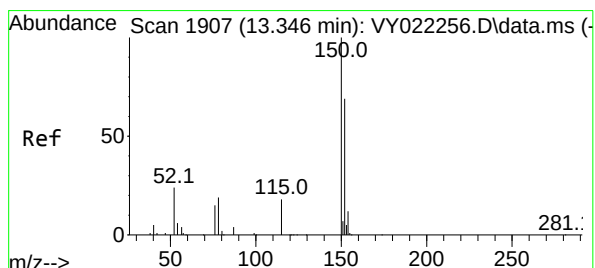
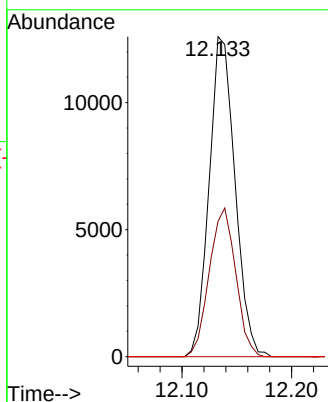
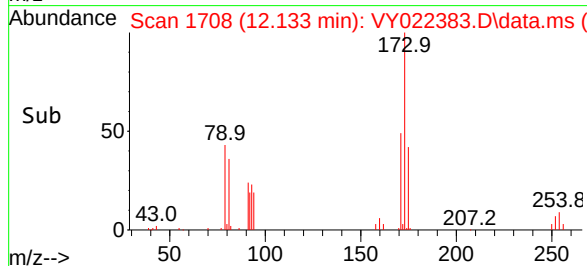
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01



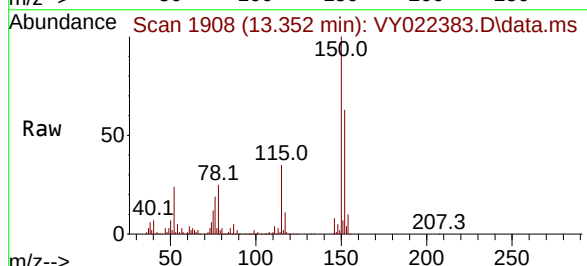
Tgt Ion:173 Resp: 2064
Ion Ratio Lower Upper
173 100
175 47.4 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

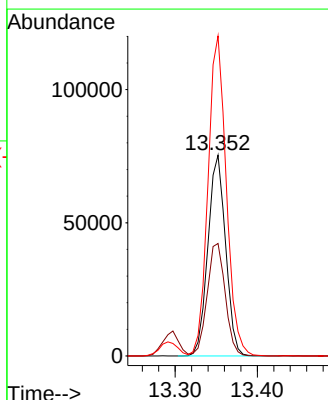
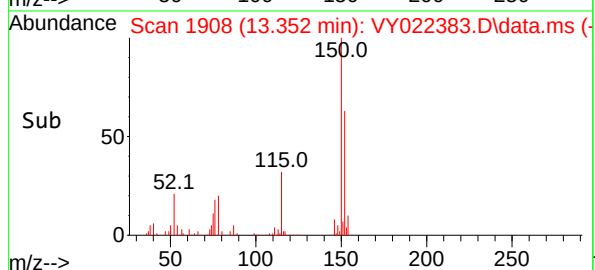
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

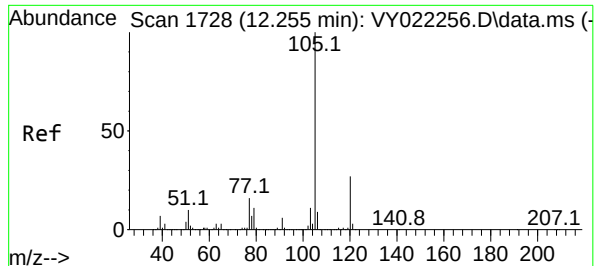


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59



Tgt Ion:152 Resp: 112772
Ion Ratio Lower Upper
152 100
115 57.2 29.4 88.2
150 164.6 0.0 353.8





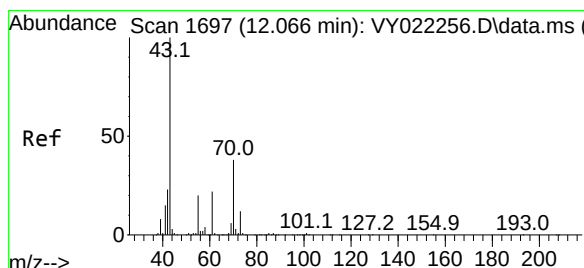
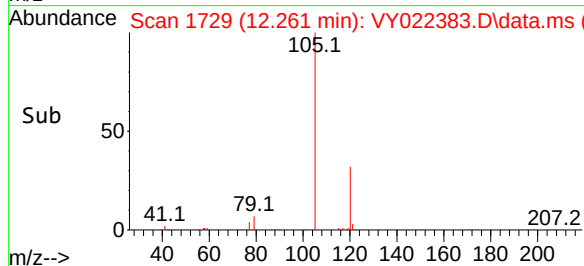
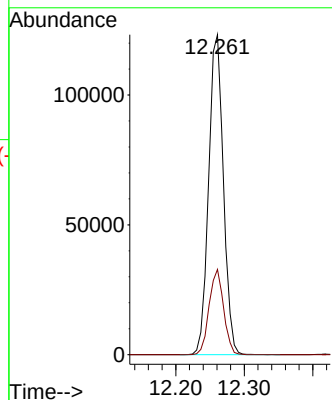
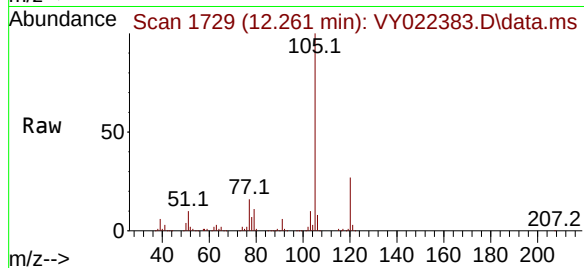
#73
Isopropylbenzene
Concen: 19.712 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01

Tgt Ion:105 Resp: 184158
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

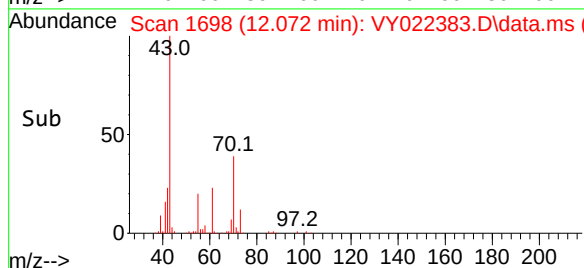
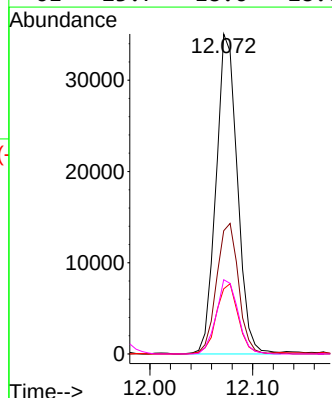
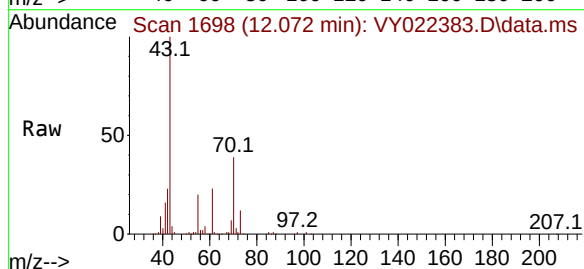
Manual Integrations
APPROVED

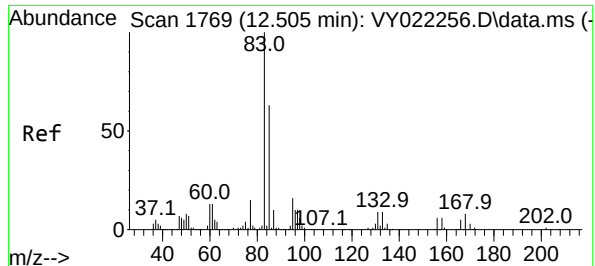
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#74
N-ethyl acetate
Concen: 18.922 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 43 Resp: 50559
Ion Ratio Lower Upper
43 100
70 42.1 31.4 47.0
55 22.5 17.0 25.6
61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.069 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

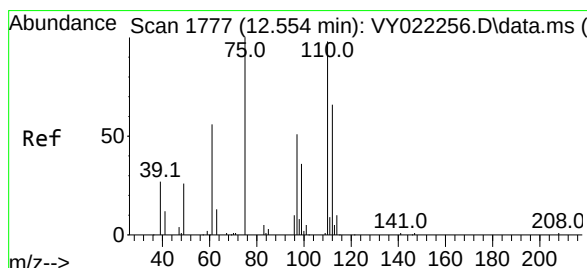
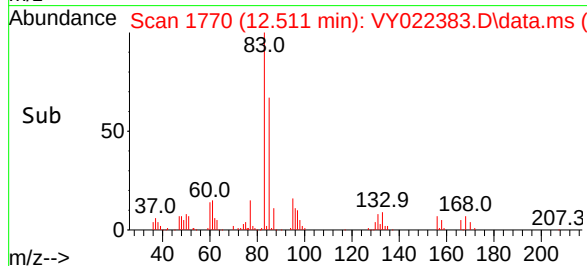
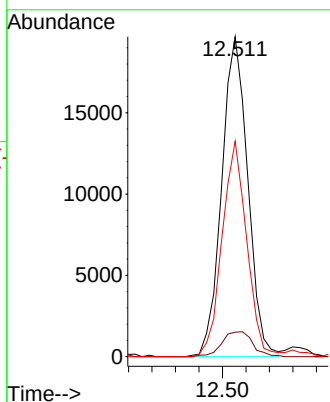
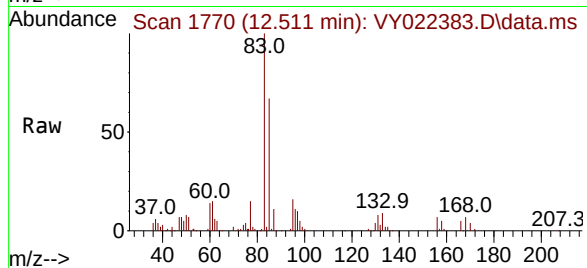
Tgt Ion:	83	Resp:	3027
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#76

1,2,3-Trichloropropane

Concen: 20.309 ug/l m

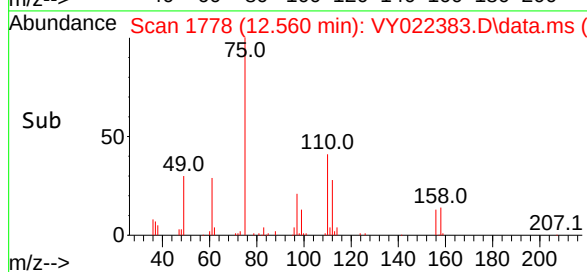
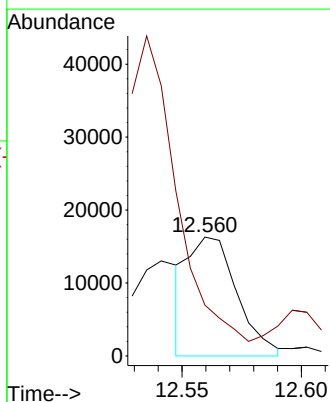
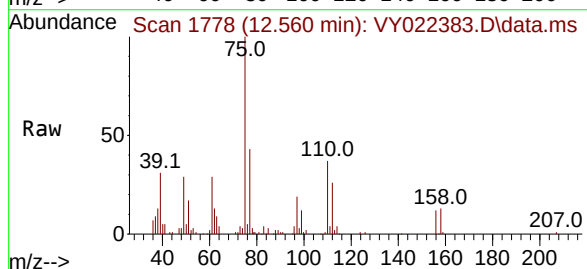
RT: 12.560 min Scan# 1778

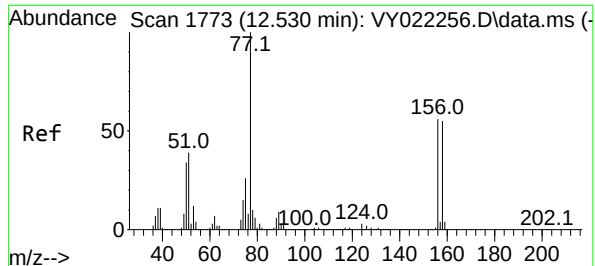
Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	75	Resp:	23203
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.008 ug/l

RT: 12.535 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

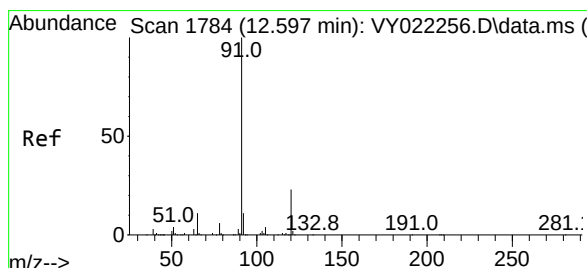
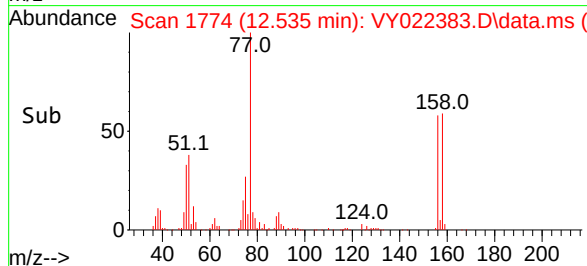
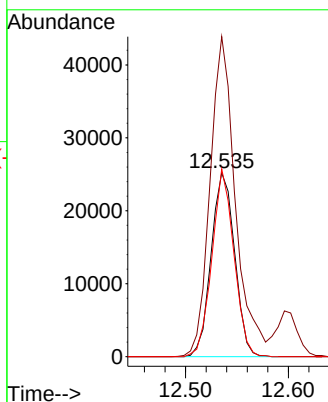
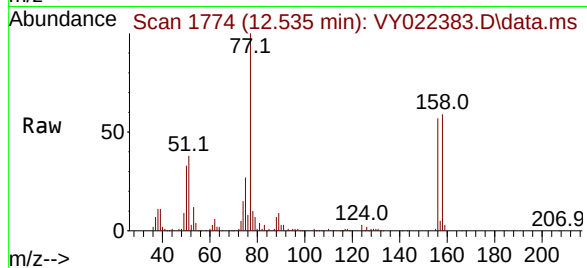
Tgt Ion:	156	Resp:	39924
Ion Ratio	Lower	Upper	
156	100		
77	187.9	94.5	283.6
158	95.7	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#78

n-propylbenzene

Concen: 19.775 ug/l

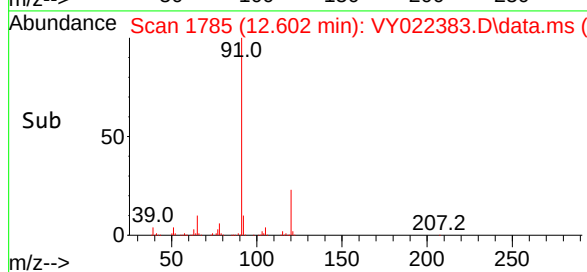
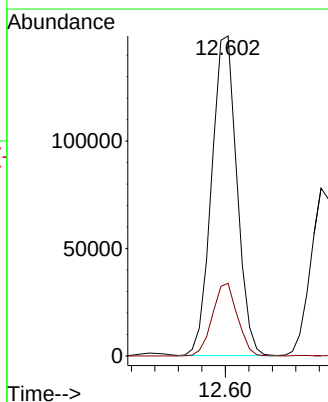
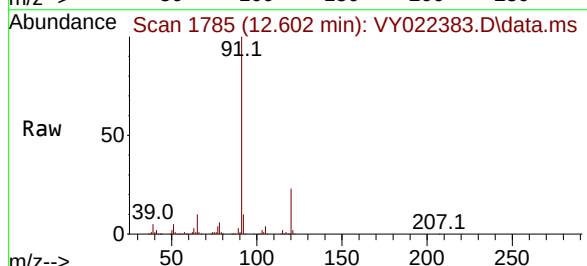
RT: 12.602 min Scan# 1785

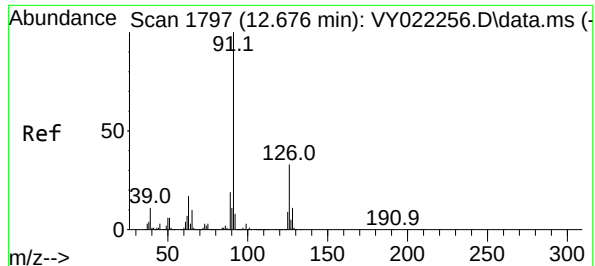
Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	91	Resp:	222841
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.434 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBS01

Tgt Ion: 91 Resp: 120348

Ion Ratio Lower Upper

91 100

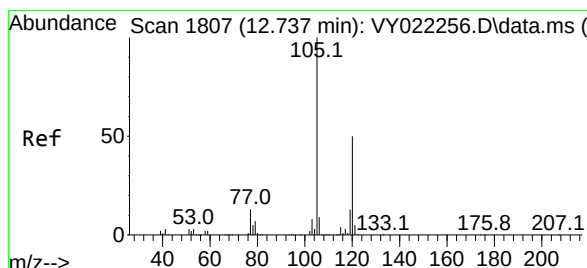
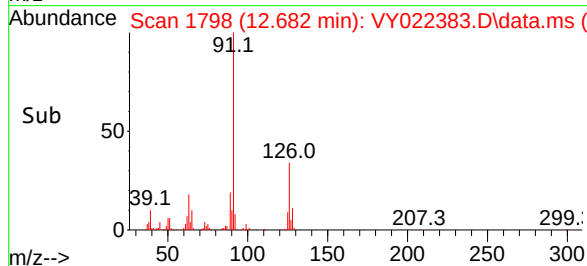
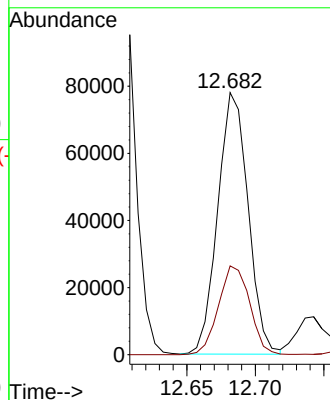
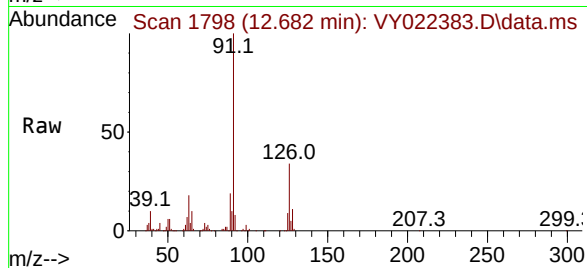
126 34.8 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.648 ug/l

RT: 12.742 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022383.D

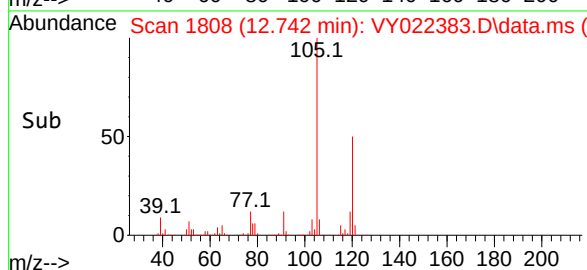
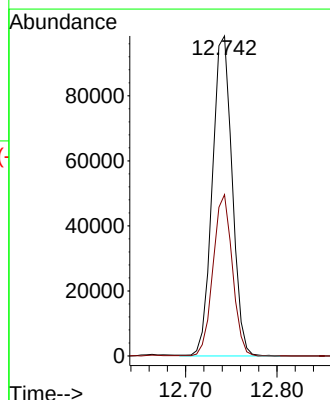
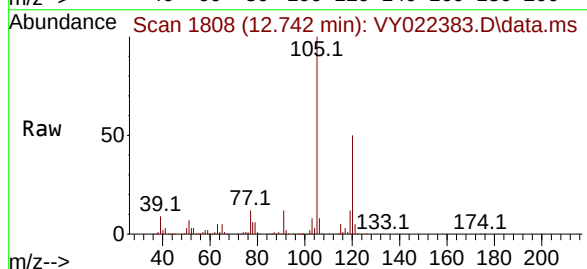
Acq: 22 May 2025 09:59

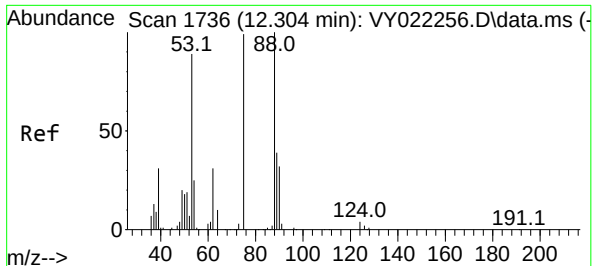
Tgt Ion:105 Resp: 148179

Ion Ratio Lower Upper

105 100

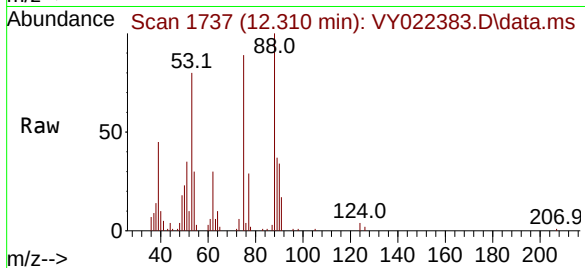
120 49.2 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.711 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

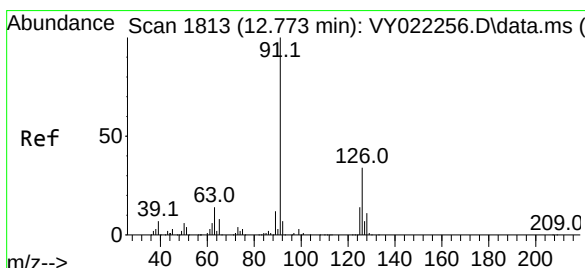
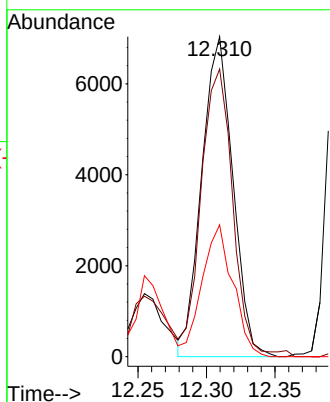
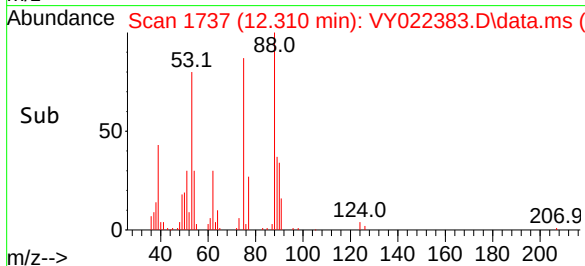
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion: 75 Resp: 1111
Ion Ratio Lower Upper
75 100
53 91.2 75.8 113.8
89 41.0 36.2 54.2

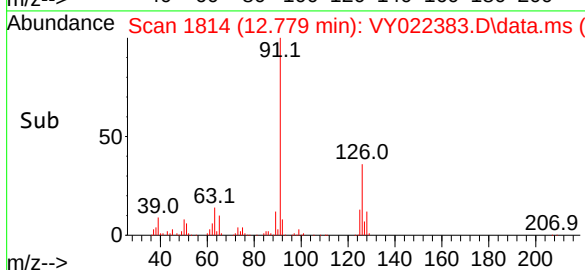
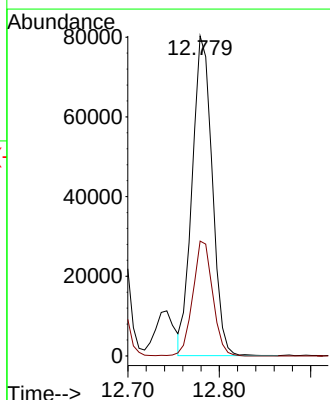
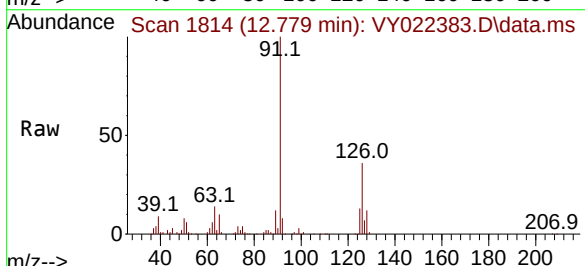
Manual Integrations
APPROVED

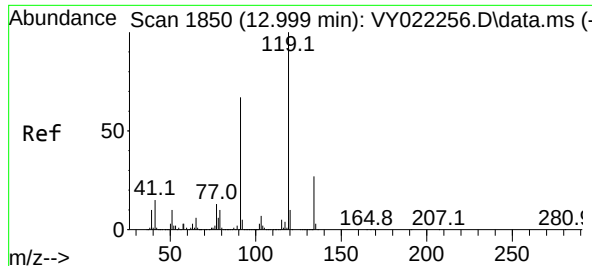
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#82
4-Chlorotoluene
Concen: 19.154 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 91 Resp: 122004
Ion Ratio Lower Upper
91 100
126 35.8 16.8 50.4





#83

tert-Butylbenzene

Concen: 20.161 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022383.D

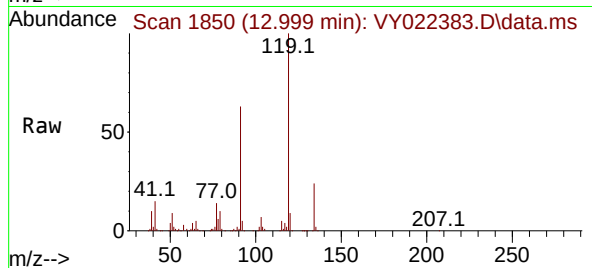
Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01



Tgt Ion:119 Resp: 135149

Ion Ratio Lower Upper

119 100

91 61.6 32.8 98.3

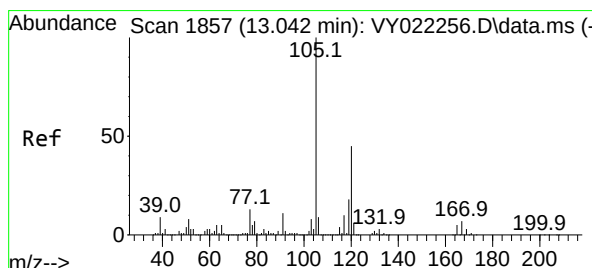
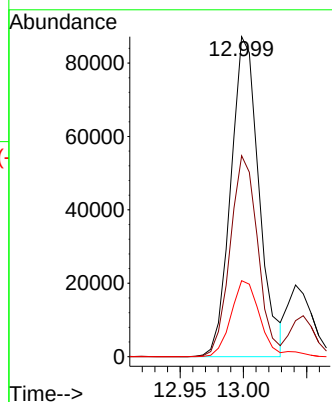
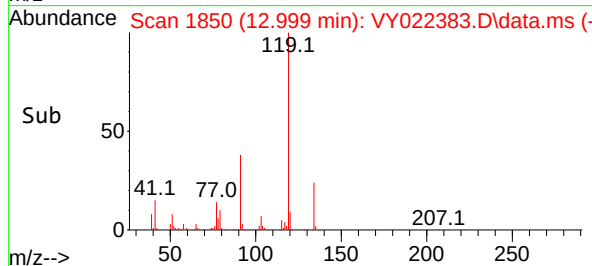
134 24.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#84

1,2,4-Trimethylbenzene

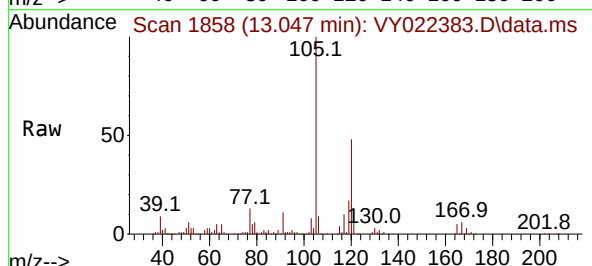
Concen: 19.562 ug/l

RT: 13.047 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

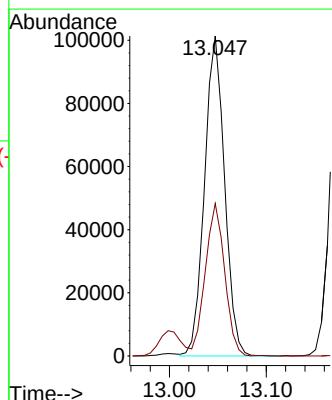
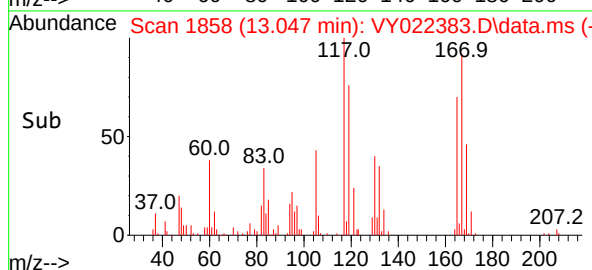


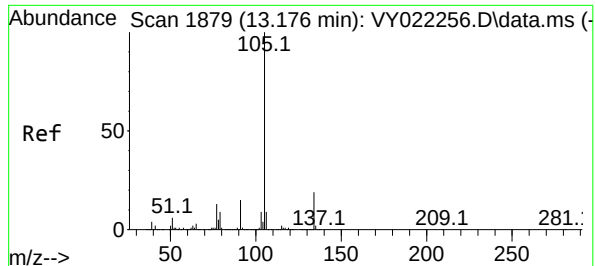
Tgt Ion:105 Resp: 146449

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.991 ug/l

RT: 13.181 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

Tgt Ion:105 Resp: 198914

Ion Ratio Lower Upper

105 100

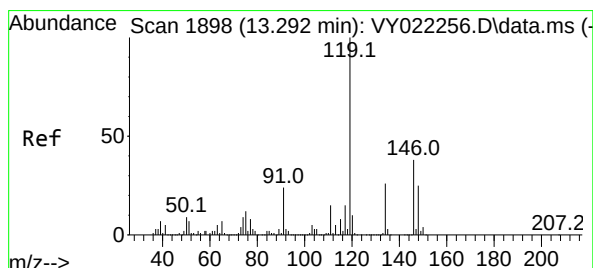
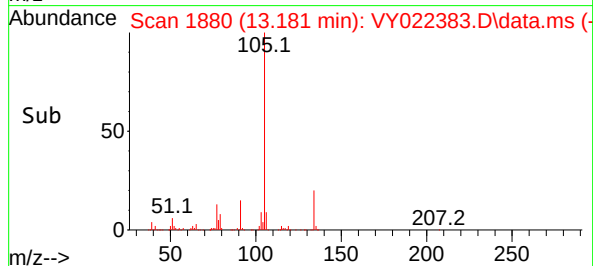
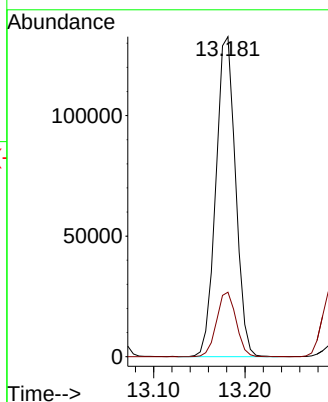
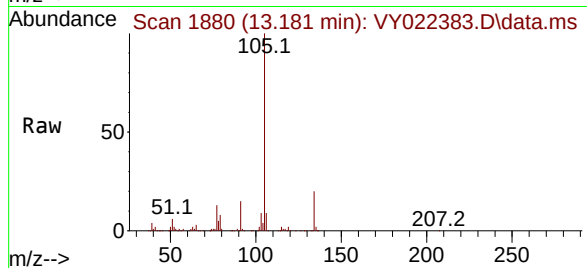
134 20.0 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#86

p-Isopropyltoluene

Concen: 19.435 ug/l

RT: 13.297 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

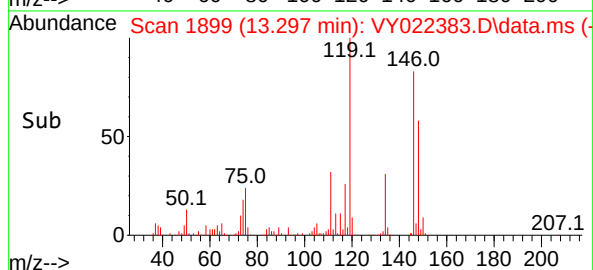
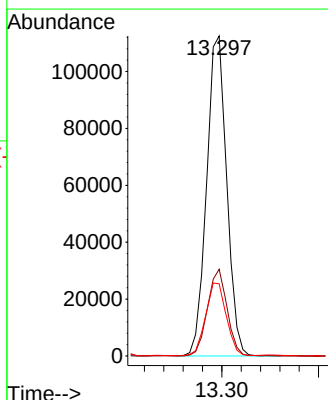
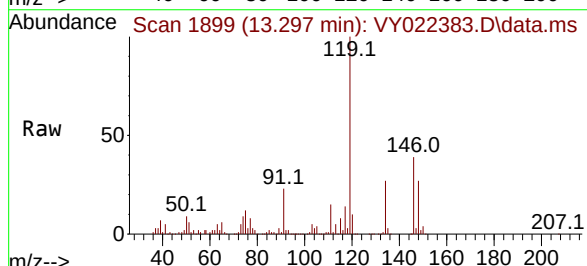
Tgt Ion:119 Resp: 162649

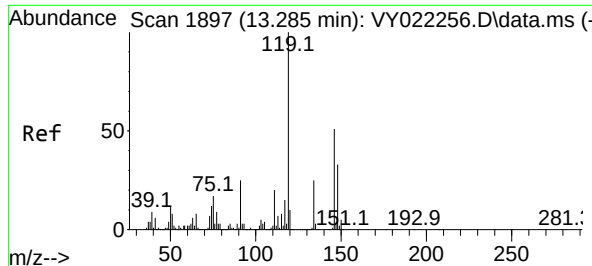
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

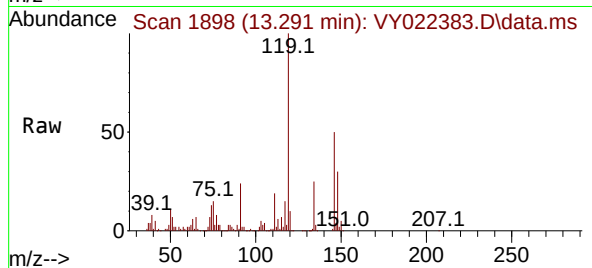
91 23.2 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 19.787 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

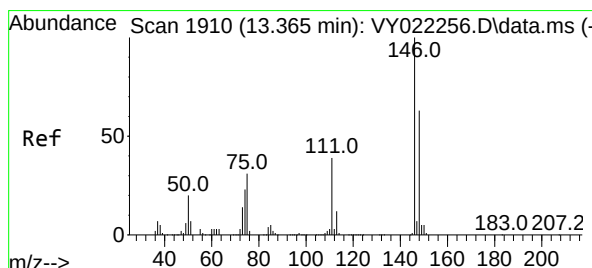
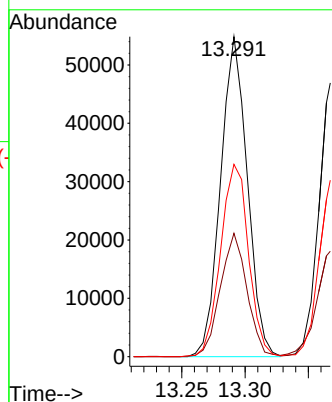
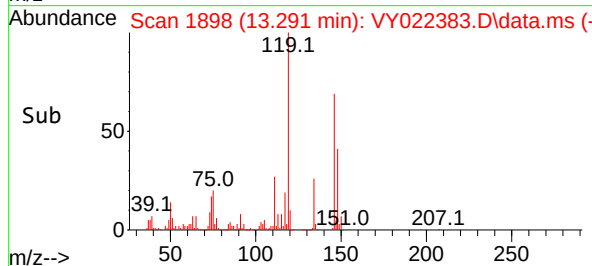
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



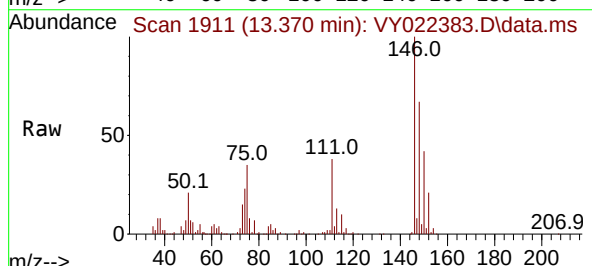
Tgt Ion:146 Resp: 8060
Ion Ratio Lower Upper
146 100
111 38.5 19.9 59.7
148 62.6 31.9 95.7

Manual Integrations
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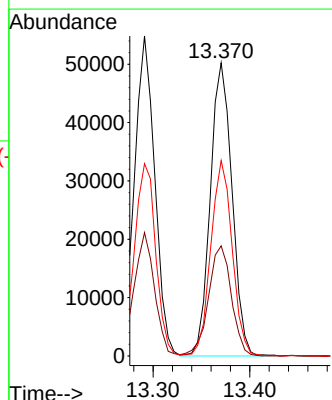
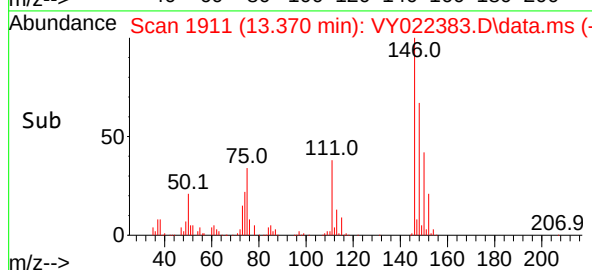
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

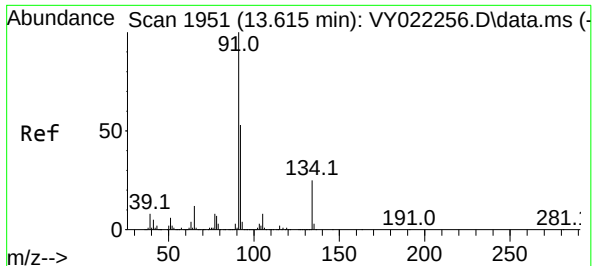


#88
1,4-Dichlorobenzene
Concen: 20.025 ug/l
RT: 13.370 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59



Tgt Ion:146 Resp: 78462
Ion Ratio Lower Upper
146 100
111 39.6 20.0 59.9
148 65.7 32.1 96.5





#89

n-Butylbenzene

Concen: 19.633 ug/l

RT: 13.620 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022383.D

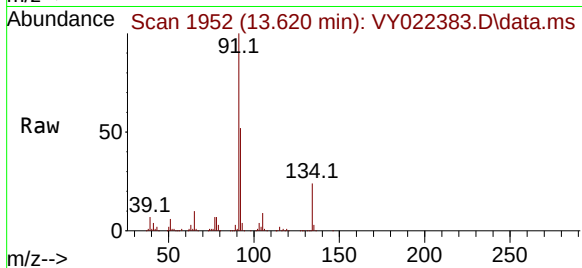
Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01



Tgt Ion: 91 Resp: 155438

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

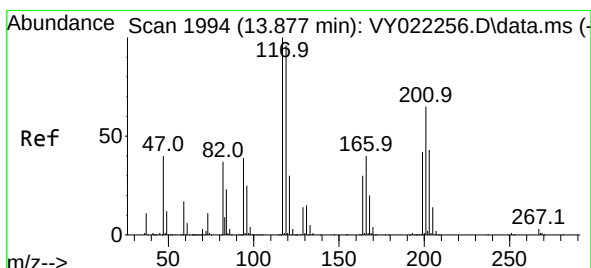
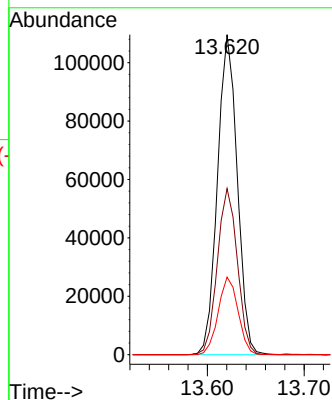
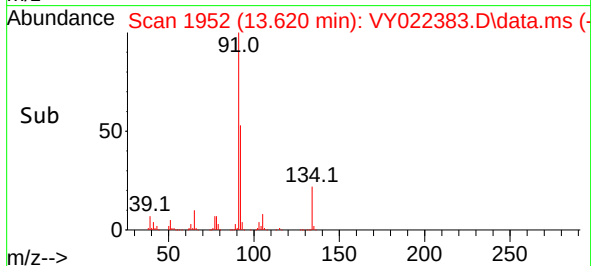
134 24.4 12.4 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#90

Hexachloroethane

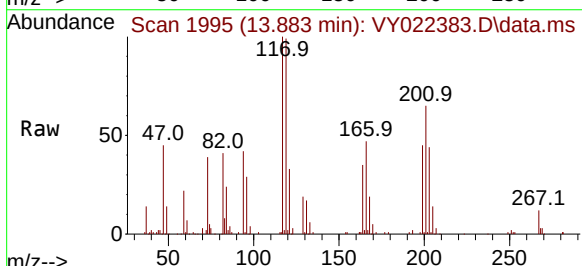
Concen: 19.577 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

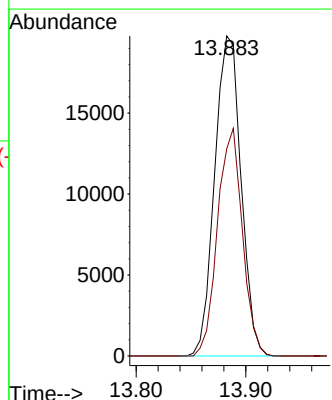
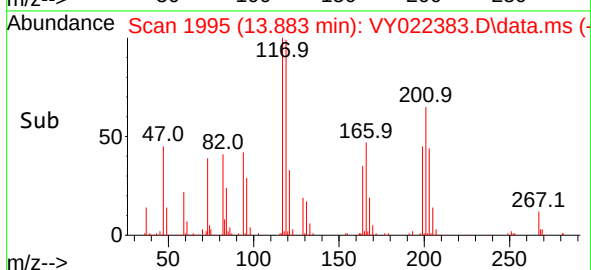


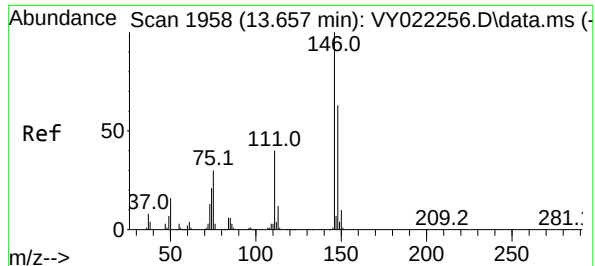
Tgt Ion:117 Resp: 33072

Ion Ratio Lower Upper

117 100

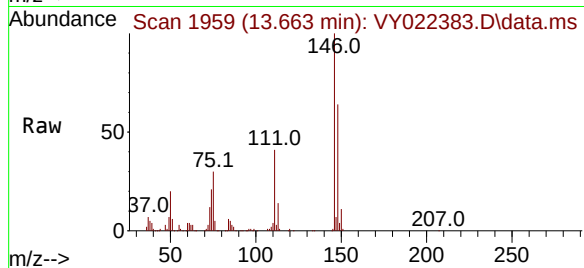
201 67.0 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 20.236 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

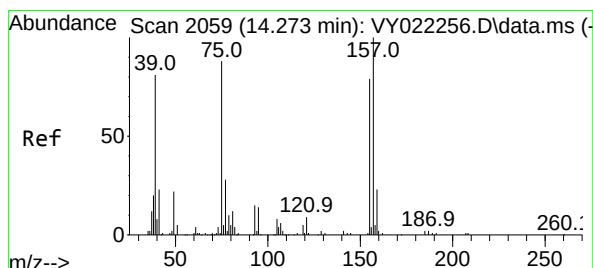
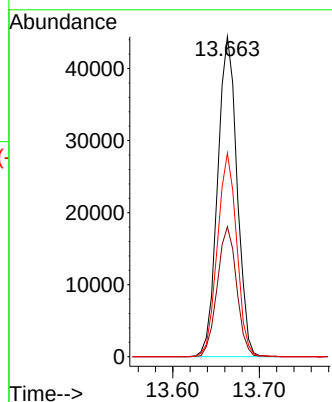
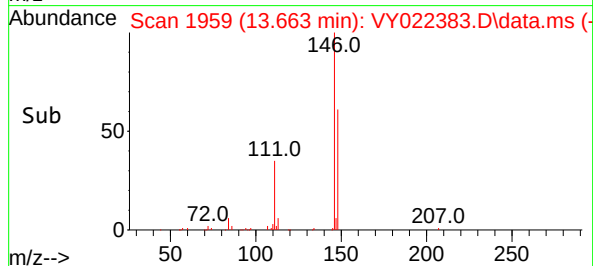
Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBSD01



Tgt Ion:146 Resp: 69239
Ion Ratio Lower Upper
146 100
111 40.5 20.5 61.5
148 63.0 32.0 96.0

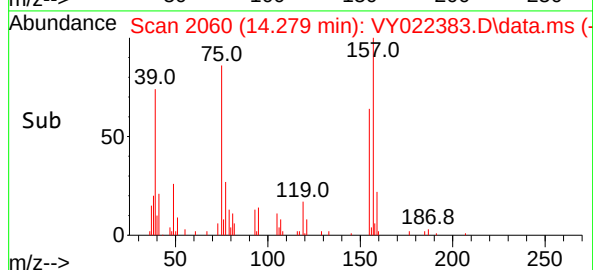
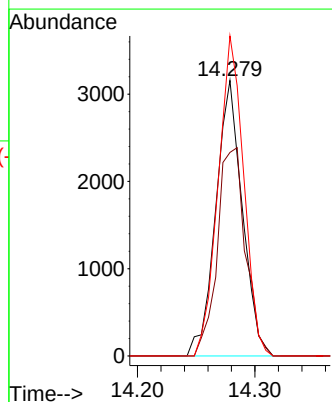
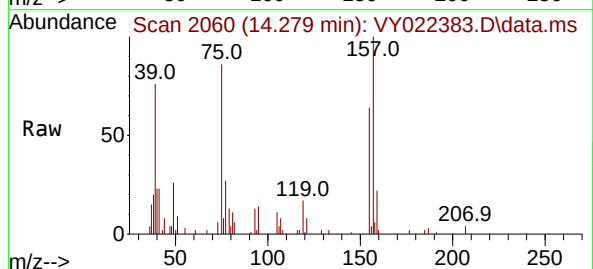
Manual Integrations
APPROVED

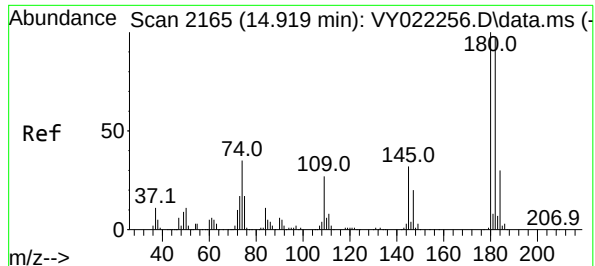
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.386 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022383.D
Acq: 22 May 2025 09:59

Tgt Ion: 75 Resp: 4955
Ion Ratio Lower Upper
75 100
155 80.4 43.4 130.1
157 111.9 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.994 ug/l

RT: 14.925 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

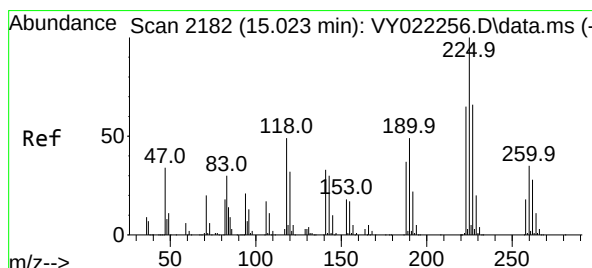
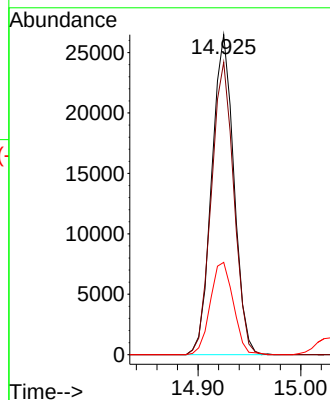
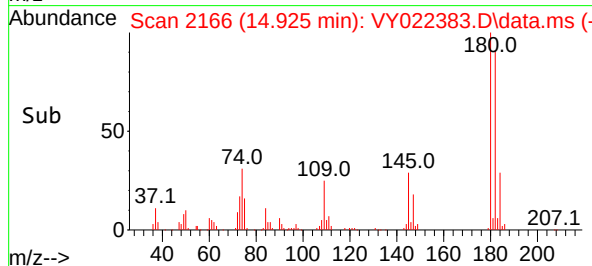
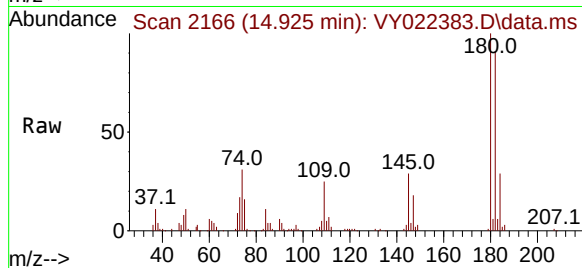
Tgt Ion:	180	Resp:	3951
Ion Ratio	Lower	Upper	
180	100		
182	92.7	48.0	144.0
145	30.1	15.0	45.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#94

Hexachlorobutadiene

Concen: 18.811 ug/l

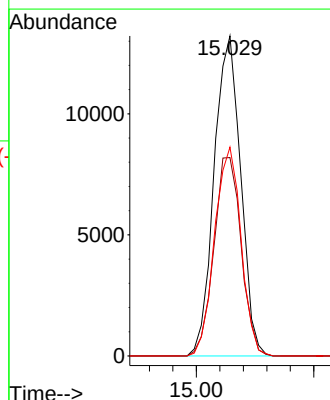
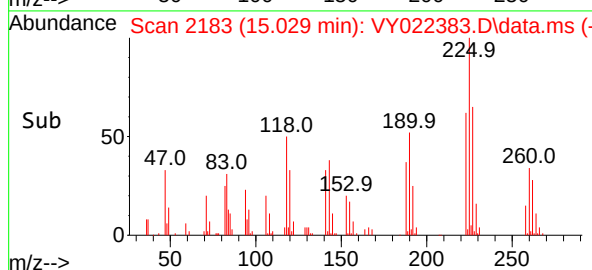
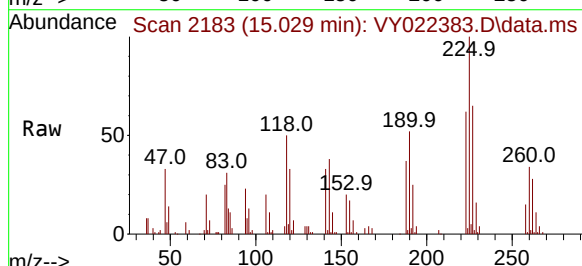
RT: 15.029 min Scan# 2183

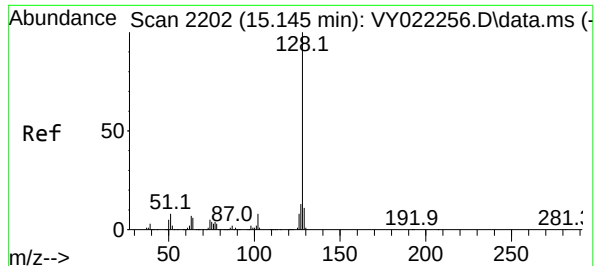
Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	225	Resp:	20733
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.5	94.5
227	64.9	32.1	96.3





#95

Naphthalene

Concen: 20.530 ug/l

RT: 15.144 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0522SBSD01

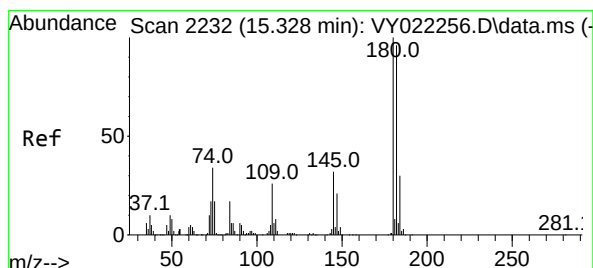
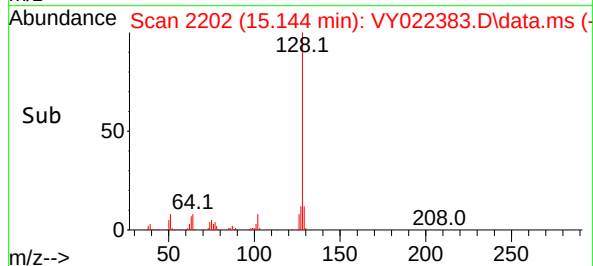
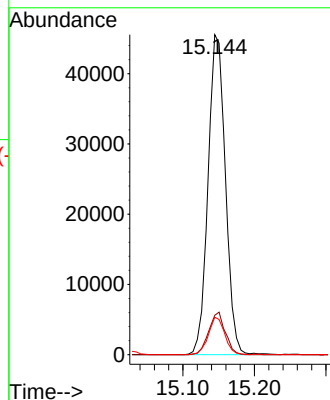
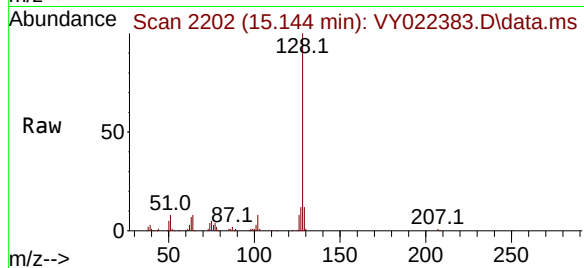
Tgt Ion:	128	Resp:	7699
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.427 ug/l

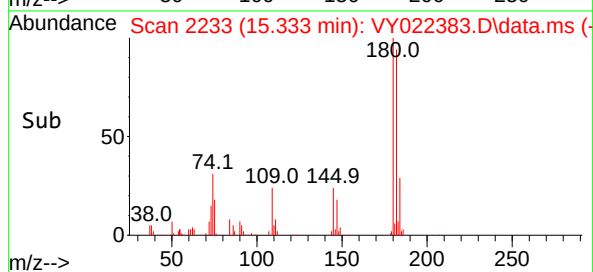
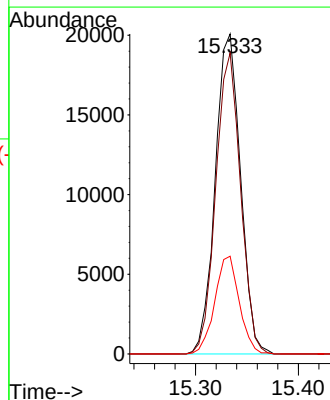
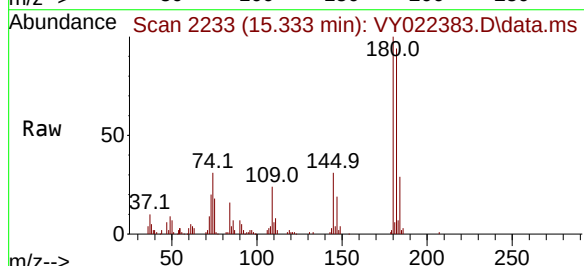
RT: 15.333 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022383.D

Acq: 22 May 2025 09:59

Tgt Ion:	180	Resp:	34249
Ion Ratio	Lower	Upper	
180	100		
182	92.0	47.1	141.3
145	29.7	15.9	47.6



Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY051525

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy052225

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022380.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:46 AM	MMDadoda	5/23/2025 4:07:00 PM	Peak Integrated by Software
VY0522SBS01	VY022382.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:50 AM	MMDadoda	5/23/2025 4:07:01 PM	Peak Integrated by Software
VY0522SBSD0 1	VY022383.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:54 AM	MMDadoda	5/23/2025 4:07:02 PM	Peak Integrated by Software
VSTDCCC050	VY022405.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:59 AM	MMDadoda	5/23/2025 4:07:04 PM	Peak Integrated by Software
VSTDCCC050	VY022405.D	Methacrylonitrile	JOHN	5/23/2025 11:04:59 AM	MMDadoda	5/23/2025 4:07:04 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vy052325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022407.D	1,2,3-Trichloropropane	MMdadod a	5/27/2025 4:51:06 AM	sam	5/27/2025 4:52:35 AM	Peak Integrated by Software
VSTDCCC050	VY022407.D	Methacrylonitrile	MMdadod a	5/27/2025 4:51:06 AM	sam	5/27/2025 4:52:35 AM	Peak Integrated by Software
VY0523SBS01	VY022409.D	1,2,3-Trichloropropane	MMdadod a	5/27/2025 4:51:08 AM	sam	5/27/2025 4:52:37 AM	Peak Integrated by Software
VY0523SBS01	VY022409.D	Methacrylonitrile	MMdadod a	5/27/2025 4:51:08 AM	sam	5/27/2025 4:52:37 AM	Peak Integrated by Software
VSTDCCC050	VY022419.D	1,2,3-Trichloropropane	MMdadod a	5/27/2025 4:51:20 AM	sam	5/27/2025 4:52:47 AM	Peak Integrated by Software
VSTDCCC050	VY022419.D	Methacrylonitrile	MMdadod a	5/27/2025 4:51:20 AM	sam	5/27/2025 4:52:47 AM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY051525

Review By	Maresh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133916			
Initial Calibration Stds		VP133918,VP133919,VP133920,VP133921,VP133922,VP133923			
CCC		VP133925			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133924			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDIC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDIC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDIC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDIC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDIC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDIC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBS01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY051525

Review By	Maresh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133916			
Initial Calibration Stds		VP133918,VP133919,VP133920,VP133921,VP133922,VP133923			
CCC		VP133925			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133924			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM		
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134001			
CCC		VP134002,VP134003			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022379.D	22 May 2025 08:05	SY/MD	Ok
2	VSTDCCC050	VY022380.D	22 May 2025 08:35	SY/MD	Ok,M
3	VY0522SBL01	VY022381.D	22 May 2025 09:07	SY/MD	Ok
4	VY0522SBS01	VY022382.D	22 May 2025 09:36	SY/MD	Ok,M
5	VY0522SBSD01	VY022383.D	22 May 2025 09:59	SY/MD	Ok,M
6	Q2087-03RE	VY022384.D	22 May 2025 10:38	SY/MD	Confirms
7	Q2101-03	VY022385.D	22 May 2025 11:01	SY/MD	Ok
8	Q2097-11RE	VY022386.D	22 May 2025 11:25	SY/MD	Confirms
9	Q2102-01	VY022387.D	22 May 2025 11:48	SY/MD	Ok
10	Q2104-01RE	VY022388.D	22 May 2025 12:11	SY/MD	Confirms
11	Q2074-01	VY022389.D	22 May 2025 12:35	SY/MD	Ok
12	Q2074-02	VY022390.D	22 May 2025 12:58	SY/MD	Ok
13	Q2074-03	VY022391.D	22 May 2025 13:22	SY/MD	Ok
14	Q2074-04	VY022392.D	22 May 2025 13:45	SY/MD	Ok
15	Q2074-05	VY022393.D	22 May 2025 14:09	SY/MD	Ok
16	Q2074-06	VY022394.D	22 May 2025 14:32	SY/MD	Ok
17	Q2074-07	VY022395.D	22 May 2025 14:55	SY/MD	Ok
18	Q2074-08	VY022396.D	22 May 2025 15:19	SY/MD	Ok
19	Q2100-01	VY022397.D	22 May 2025 15:42	SY/MD	ReRun
20	Q2100-02	VY022398.D	22 May 2025 16:06	SY/MD	Ok
21	Q2100-03	VY022399.D	22 May 2025 16:29	SY/MD	Not Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM		
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134001			
CCC		VP134002,VP134003			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2100-04	VY022400.D	22 May 2025 16:53	SY/MD	Ok
23	Q2112-01	VY022401.D	22 May 2025 17:16	SY/MD	ReRun
24	Q2109-03	VY022402.D	22 May 2025 17:40	SY/MD	Ok
25	Q2075-06	VY022403.D	22 May 2025 18:03	SY/MD	Dilution
26	VIBLK	VY022404.D	22 May 2025 18:26	SY/MD	Ok
27	VSTDCCC050	VY022405.D	22 May 2025 18:49	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY052325

Review By	Mahesh Dadoda	Review On	5/27/2025 4:51:38 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/27/2025 4:53:09 AM		
SubDirectory	VY052325	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y051525S.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134014			
CCC		VP134015,VP135016			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022406.D	23 May 2025 11:40	SY/MD	Ok
2	VSTDCCC050	VY022407.D	23 May 2025 14:34	SY/MD	Ok,M
3	VY0523SBL01	VY022408.D	23 May 2025 15:26	SY/MD	Ok
4	VY0523SBS01	VY022409.D	23 May 2025 16:28	SY/MD	Ok,M
5	VY0523SBSD01	VY022410.D	23 May 2025 16:50	SY/MD	Ok,M
6	Q2118-11	VY022411.D	23 May 2025 17:14	SY/MD	ReRun
7	Q2112-01RE	VY022412.D	23 May 2025 17:37	SY/MD	Confirms
8	Q2100-03	VY022413.D	23 May 2025 18:01	SY/MD	Ok
9	Q2127-11	VY022414.D	23 May 2025 18:24	SY/MD	ReRun
10	Q2127-01	VY022415.D	23 May 2025 18:47	SY/MD	Ok
11	Q2100-01	VY022416.D	23 May 2025 19:11	SY/MD	Ok
12	VIBLK	VY022417.D	23 May 2025 19:34	SY/MD	Ok
13	VY0523SBS02	VY022418.D	23 May 2025 19:57	SY/MD	Not Ok
14	VSTDCCC050	VY022419.D	23 May 2025 21:05	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		
STD. NAME		STD REF.#					
Tune/Reschk		VP133916					
Initial Calibration Stds		VP133918,VP133919,VP133920,VP133921,VP133922,VP133923					
CCC		VP133925					
Internal Standard/PEM		VP131783					
ICV/I.BLK		VP133924					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133916			
Initial Calibration Stds		VP133918,VP133919,VP133920,VP133921,VP133922,VP133923			
CCC		VP133925			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133924			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM
Supervise By	Maresh Dadoda	Supervise On	5/23/2025 4:07:06 PM
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y HP Processing Method 82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134001
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134002,VP134003 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022379.D	22 May 2025 08:05		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022380.D	22 May 2025 08:35		SY/MD	Ok,M
3	VY0522SBL01	VY0522SBL01	VY022381.D	22 May 2025 09:07		SY/MD	Ok
4	VY0522SBS01	VY0522SBS01	VY022382.D	22 May 2025 09:36		SY/MD	Ok,M
5	VY0522SBSD01	VY0522SBSD01	VY022383.D	22 May 2025 09:59		SY/MD	Ok,M
6	Q2087-03RE	NB-08-05202025RE	VY022384.D	22 May 2025 10:38	vial-B ,Internal Standard Fail	SY/MD	Confirms
7	Q2101-03	TP-1-MHE-VOC	VY022385.D	22 May 2025 11:01	vial-B	SY/MD	Ok
8	Q2097-11RE	RT3419RE	VY022386.D	22 May 2025 11:25	vial-B ,Internal Standard Fail	SY/MD	Confirms
9	Q2102-01	LAW-25-0077	VY022387.D	22 May 2025 11:48	vial-B	SY/MD	Ok
10	Q2104-01RE	TR-06-052125RE	VY022388.D	22 May 2025 12:11	vial-B ,Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
11	Q2074-01	TP-12	VY022389.D	22 May 2025 12:35	vial-A	SY/MD	Ok
12	Q2074-02	TP-7	VY022390.D	22 May 2025 12:58	vial-A	SY/MD	Ok
13	Q2074-03	TP-15	VY022391.D	22 May 2025 13:22	vial-A	SY/MD	Ok
14	Q2074-04	TP-20	VY022392.D	22 May 2025 13:45	vial-A	SY/MD	Ok
15	Q2074-05	TP-38	VY022393.D	22 May 2025 14:09	vial-A	SY/MD	Ok
16	Q2074-06	TP-19	VY022394.D	22 May 2025 14:32	vial-A	SY/MD	Ok
17	Q2074-07	TP-40	VY022395.D	22 May 2025 14:55	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM		
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134001			
CCC		VP134002,VP134003			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2074-08	TP-18	VY022396.D	22 May 2025 15:19	vial-A	SY/MD	Ok
19	Q2100-01	TP-16	VY022397.D	22 May 2025 15:42	vial-A ,Internal Standard Fail	SY/MD	ReRun
20	Q2100-02	TP-22	VY022398.D	22 May 2025 16:06	vial-A	SY/MD	Ok
21	Q2100-03	TP-21	VY022399.D	22 May 2025 16:29	vial-A ,Not purge	SY/MD	Not Ok
22	Q2100-04	TP-45	VY022400.D	22 May 2025 16:53	vial-A	SY/MD	Ok
23	Q2112-01	EO-03-05222025	VY022401.D	22 May 2025 17:16	vial-A ,Internal Standard Fail	SY/MD	ReRun
24	Q2109-03	TP-02-MHF-VOC	VY022402.D	22 May 2025 17:40	vial-A	SY/MD	Ok
25	Q2075-06	SS-MW1-11.5	VY022403.D	22 May 2025 18:03	vial-A ,Need MeOH	SY/MD	Dilution
26	VIBLK	VIBLK	VY022404.D	22 May 2025 18:26		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022405.D	22 May 2025 18:49		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052325

Review By	Mahesh Dadoda	Review On	5/27/2025 4:51:38 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/27/2025 4:53:09 AM		
SubDirectory	VY052325	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y051525S.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134014			
CCC		VP134015,VP135016			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022406.D	23 May 2025 11:40		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022407.D	23 May 2025 14:34		SY/MD	Ok,M
3	VY0523SBL01	VY0523SBL01	VY022408.D	23 May 2025 15:26		SY/MD	Ok
4	VY0523SBS01	VY0523SBS01	VY022409.D	23 May 2025 16:28		SY/MD	Ok,M
5	VY0523SBSD01	VY0523SBSD01	VY022410.D	23 May 2025 16:50		SY/MD	Ok,M
6	Q2118-11	BP-TPB-182-GW-500-5	VY022411.D	23 May 2025 17:14	Surrogate Fail	SY/MD	ReRun
7	Q2112-01RE	EO-03-05222025RE	VY022412.D	23 May 2025 17:37	Internal Standard Fail	SY/MD	Confirms
8	Q2100-03	TP-21	VY022413.D	23 May 2025 18:01	vial-B	SY/MD	Ok
9	Q2127-11	COMP-2	VY022414.D	23 May 2025 18:24	Internal Standard Fail	SY/MD	ReRun
10	Q2127-01	COMP-1	VY022415.D	23 May 2025 18:47		SY/MD	Ok
11	Q2100-01	TP-16	VY022416.D	23 May 2025 19:11	vial-B	SY/MD	Ok
12	VIBLK	VIBLK	VY022417.D	23 May 2025 19:34		SY/MD	Ok
13	VY0523SBS02	VY0523SBS02	VY022418.D	23 May 2025 19:57	Not required	SY/MD	Not Ok
14	VSTDCCC050	VSTDCCC050EC	VY022419.D	23 May 2025 21:05		SY/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 05/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135864

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
Q2100-01	TP-16	1	1.15	10.12	11.27	10.1	88.4	
Q2100-02	TP-22	2	1.18	10.32	11.5	9.85	84.0	
Q2100-03	TP-21	3	1.19	10.32	11.51	9.26	78.2	
Q2100-04	TP-45	4	1.18	10.42	11.6	9.12	76.2	
Q2101-01	TP-1-MHE	5	1.19	9.85	11.04	10.44	93.9	
Q2101-02	TP-1-MHE-E2	6	1.19	10.48	11.67	11.11	94.7	
Q2101-03	TP-1-MHE-VOC	7	1.15	10.40	11.55	10.94	94.1	
Q2102-01	LAW-25-0077	8	1.18	10.48	11.66	10.3	87.0	
Q2102-02	LAW-25-0077-E2	9	1.13	9.57	10.7	9.54	87.9	
Q2103-01	245F59-FRONT	10	1.00	1.00	2.00	2.00	100.0	oilc
Q2103-02	245F59-END	11	1.00	1.00	2.00	2.00	100.0	oilc
Q2103-03	BC248114-FRONT	12	1.00	1.00	2.00	2.00	100.0	oilc
Q2103-04	BC248114-END	13	1.00	1.00	2.00	2.00	100.0	oilc
Q2104-01	TR-06-052125	14	1.18	10.28	11.46	10.63	91.9	
Q2104-02	TR-06-052125-E2	15	1.13	10.63	11.76	10.9	91.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB135864

WorkList Name : %1-052125

WorkList ID : 189658

Department : Wet-Chemistry

Date : 05-21-2025 08:23:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2100-01	TP-16	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/20/2025	Chemtech -SO
Q2100-02	TP-22	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/20/2025	Chemtech -SO
Q2100-03	TP-21	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/20/2025	Chemtech -SO
Q2100-04	TP-45	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/20/2025	Chemtech -SO
Q2101-01	TP-1-MHE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2101-02	TP-1-MHE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2101-03	TP-1-MHE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2102-01	LAW-25-0077	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/21/2025	Chemtech -SO
Q2102-02	LAW-25-0077-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/21/2025	Chemtech -SO
Q2103-01	245F59-FRONT	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/21/2025	Chemtech -SO
Q2103-02	245F59-END	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/21/2025	Chemtech -SO
Q2103-03	BC248114-FRONT	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/21/2025	Chemtech -SO
Q2103-04	BC248114-END	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/21/2025	Chemtech -SO
Q2104-01	TR-06-052125	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/21/2025	Chemtech -SO
Q2104-02	TR-06-052125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/21/2025	Chemtech -SO

Date/Time 05/21/25 15:30

Raw Sample Received by: JAWOC

Raw Sample Relinquished by: JAWOC

Date/Time

05/21/25

Raw Sample Received by:

Raw Sample Relinquished by:



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX: 7322257851

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDM SMITH.COM
PHONE: 7325904679 FAX: 7322257851

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

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. 2. 3. 4. 5. 6. 7. 8. 9.
TCL VOC
TCL SVOC
TAL METALS
PCB
PESTICIDES
HERBICIDES
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-16	SOIL		X	5/19/25	1515	6	X	X	X	X	X	X	X			E
2.	TP-22	SOIL		X	5/19/25	1055	6	X	X	X	X	X	X	X			E
3.	TP-21	SOIL		X	5/20/25	0845	6	X	X	X	X	X	X	X			E
4.	TP-45	SOIL		X	5/20/25	1050	6	X	X	X	X	X	X	X			E
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.8 °C
1. [Signature]	5/20/25	1. [Signature] 5-20-25	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	5-20-25	3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2100	CAMP02	Order Date : 5/20/2025 3:22:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level ^{NO} ~~++~~ Reduce
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/20/2025 ~~12:00:00~~ AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16 95	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2100-01	TP-16	Solid	05/20/2025	15:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2100-02	TP-22	Solid	05/20/2025	10:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2100-03	TP-21	Solid	05/20/2025	08:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2100-04	TP-45	Solid	05/20/2025	10:50	VOC-TCLVOA-10		8260D	10 Bus. Days	

Torvalds

Stored in VOA Free # 02
Extract (C) - 8/17/06

Relinquished By :

Date / Time : 5/21/25 945

Received By :

Date / Time : 5-21-25 10:25

Storage Area : VOA Refridgerator Room