

Cover Page

Order ID : Q1982

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q1982-01
Q1982-02
Q1982-03
Q1982-04
Q1982-05
Q1982-06
Q1982-07
Q1982-08

Client Sample Number

TP-1
TP-2B
TP-3
TP-4
TP-5
TP-6
TP-8
TP-9

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

Signature : _____

Date: 5/16/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1982

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 05/16/2025

LAB CHRONICLE

OrderID: Q1982	OrderDate: 5/7/2025 3:20:42 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
Q1982-01	TP-1	SOIL	VOC-TCLVOA-10	8260D	05/06/25		05/16/25	05/07/25
Q1982-02	TP-2B	SOIL	VOC-TCLVOA-10	8260D	05/06/25		05/16/25	05/07/25
Q1982-03	TP-3	SOIL	VOC-TCLVOA-10	8260D	05/06/25		05/16/25	05/07/25
Q1982-04	TP-4	SOIL	VOC-TCLVOA-10	8260D	05/07/25		05/15/25	05/07/25
Q1982-05	TP-5	SOIL	VOC-TCLVOA-10	8260D	05/07/25		05/15/25	05/07/25
Q1982-06	TP-6	SOIL	VOC-TCLVOA-10	8260D	05/07/25		05/15/25	05/07/25
Q1982-07	TP-8	SOIL	VOC-TCLVOA-10	8260D	05/07/25		05/16/25	05/07/25
Q1982-08	TP-9	SOIL	VOC-TCLVOA-10	8260D	05/07/25		05/16/25	05/07/25

Hit Summary Sheet
SW-846

SDG No.: Q1982
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TP-1							
Q1982-01	TP-1	SOIL	Acetone	20.7		1.80	9.70	ug/Kg
Q1982-01	TP-1	SOIL	2-Butanone	2.50	J	2.50	9.70	ug/Kg
			Total Voc :	23.2				
			Total Concentration:	23.2				
Client ID:	TP-2B							
Q1982-02	TP-2B	SOIL	unknown2.489	* 3.10	J	0	0	ug/Kg
			Total Tics :	3.10				
			Total Concentration:	3.10				
Client ID:	TP-3							
Q1982-03	TP-3	SOIL	Acetone	3.30	J	2.20	11.6	ug/Kg
			Total Voc :	3.30				
Q1982-03	TP-3	SOIL	2-Chloroethanol	* 3.20	J	0	0	ug/Kg
			Total Tics :	3.20				
			Total Concentration:	6.50				
Client ID:	TP-4							
Q1982-04	TP-4	SOIL	Acetone	20.5		2.30	12.2	ug/Kg
			Total Voc :	20.5				
			Total Concentration:	20.5				
Client ID:	TP-5							
Q1982-05	TP-5	SOIL	Acetone	9.40	J	2.60	13.5	ug/Kg
			Total Voc :	9.40				
			Total Concentration:	9.40				
Client ID:	TP-6							
Q1982-06	TP-6	SOIL	Acetone	16.7	J	8.50	44.8	ug/Kg
			Total Voc :	16.7				
			Total Concentration:	16.7				
Client ID:	TP-8							
Q1982-07	TP-8	SOIL	unknown2.489	* 4.90	J	0	0	ug/Kg
			Total Tics :	4.90				
			Total Concentration:	4.90				



QC SUMMARY

Surrogate Summary

SDG No.: **Q1982**

Client: **CDM Smith**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1982-01	TP-1	1,2-Dichloroethane-d4	50	60.0	120	63	155
		Dibromofluoromethane	50	51.7	103	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	42.7	85	38	136
Q1982-02	TP-2B	1,2-Dichloroethane-d4	50	49.1	98	63	155
		Dibromofluoromethane	50	50.3	101	70	134
		Toluene-d8	50	47.8	96	74	123
		4-Bromofluorobenzene	50	36.5	73	38	136
Q1982-03	TP-3	1,2-Dichloroethane-d4	50	47.9	96	63	155
		Dibromofluoromethane	50	49.7	99	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	39.3	79	38	136
Q1982-04	TP-4	1,2-Dichloroethane-d4	50	47.7	95	63	155
		Dibromofluoromethane	50	49.0	98	70	134
		Toluene-d8	50	48.2	96	74	123
		4-Bromofluorobenzene	50	35.7	71	38	136
Q1982-05	TP-5	1,2-Dichloroethane-d4	50	49.2	98	63	155
		Dibromofluoromethane	50	49.3	99	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	41.8	84	38	136
Q1982-06	TP-6	1,2-Dichloroethane-d4	50	45.4	91	63	155
		Dibromofluoromethane	50	49.6	99	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	37.9	76	38	136
Q1982-07	TP-8	1,2-Dichloroethane-d4	50	45.5	91	63	155
		Dibromofluoromethane	50	48.5	97	70	134
		Toluene-d8	50	47.3	95	74	123
		4-Bromofluorobenzene	50	39.1	78	38	136
Q1982-08	TP-9	1,2-Dichloroethane-d4	50	47.3	95	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	47.4	95	74	123
		4-Bromofluorobenzene	50	36.2	72	38	136
VY0515SBL01	VY0515SBL01	1,2-Dichloroethane-d4	50	42.8	86	63	155
		Dibromofluoromethane	50	48.3	97	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.8	80	38	136
VY0515SBS01	VY0515SBS01	1,2-Dichloroethane-d4	50	51.2	102	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	51.3	103	74	123
		4-Bromofluorobenzene	50	50.2	100	38	136
VY0515SBSD01	VY0515SBSD01	1,2-Dichloroethane-d4	50	51.9	104	63	155
		Dibromofluoromethane	50	51.4	103	70	134
		Toluene-d8	50	51.2	102	74	123
		4-Bromofluorobenzene	50	50.4	101	38	136
VY0516SBL01	VY0516SBL01	1,2-Dichloroethane-d4	50	43.9	88	63	155
		Dibromofluoromethane	50	48.0	96	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	48.5	97	38	136
VY0516SBS01	VY0516SBS01	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	50.8	102	70	134

Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY0516SBS01	VY0516SBS01	Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.4	99	38	136

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0515SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	23.6	ug/Kg	118			72	129	
	Bromomethane	20	24.8	ug/Kg	124			58	141	
	Chloroethane	20	22.8	ug/Kg	114			69	130	
	Trichlorofluoromethane	20	22.9	ug/Kg	115			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	21.4	ug/Kg	107			45	154	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			77	129	
	Methyl Acetate	20	19.1	ug/Kg	96			69	149	
	Methylene Chloride	20	21.3	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	98.4	ug/Kg	98			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	20.9	ug/Kg	104			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	21.1	ug/Kg	106			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.6	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.4	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	19.9	ug/Kg	100			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	39.8	ug/Kg	100			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.8	ug/Kg	99			75	127	
	Isopropylbenzene	20	20.2	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0515SBS01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/Kg	104			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0515SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	6		64	136	20
	Chloromethane	20	23.0	ug/Kg	115	6		70	130	20
	Vinyl chloride	20	22.8	ug/Kg	114	3		72	129	20
	Bromomethane	20	24.3	ug/Kg	121	2		58	141	20
	Chloroethane	20	22.4	ug/Kg	112	2		69	130	20
	Trichlorofluoromethane	20	22.1	ug/Kg	111	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	7		79	121	20
	Acetone	100	100	ug/Kg	100	0		60	131	20
	Carbon disulfide	20	20.5	ug/Kg	103	4		45	154	20
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105	3		77	129	20
	Methyl Acetate	20	21.3	ug/Kg	106	10		69	149	20
	Methylene Chloride	20	21.3	ug/Kg	106	0		56	174	20
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104	1		80	123	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	2		82	123	20
	Cyclohexane	20	19.9	ug/Kg	100	5		76	122	20
	2-Butanone	100	100	ug/Kg	100	2		69	131	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	3		76	129	20
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		82	123	20
	Bromochloromethane	20	20.3	ug/Kg	102	2		80	127	20
	Chloroform	20	20.5	ug/Kg	103	3		82	125	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	6		77	123	20
	Benzene	20	20.0	ug/Kg	100	4		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	0		81	126	20
	Trichloroethene	20	19.8	ug/Kg	99	4		83	122	20
	1,2-Dichloropropane	20	19.9	ug/Kg	100	2		83	122	20
	Bromodichloromethane	20	20.3	ug/Kg	102	2		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	12		70	135	20
	Toluene	20	19.5	ug/Kg	98	3		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	0		78	124	20
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100	3		81	122	20
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		82	125	20
	2-Hexanone	100	100	ug/Kg	100	4		66	138	20
	Dibromochloromethane	20	20.4	ug/Kg	102	2		79	125	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	2		80	125	20
	Tetrachloroethene	20	19.9	ug/Kg	100	0		83	125	20
	Chlorobenzene	20	20.0	ug/Kg	100	2		84	122	20
	Ethyl Benzene	20	19.6	ug/Kg	98	3		82	124	20
	m/p-Xylenes	40	39.1	ug/Kg	98	2		83	124	20
	o-Xylene	20	19.7	ug/Kg	99	1		83	123	20
	Styrene	20	19.4	ug/Kg	97	2		82	124	20
	Bromoform	20	20.6	ug/Kg	103	4		75	127	20
	Isopropylbenzene	20	19.6	ug/Kg	98	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	5		77	127	20
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97	1		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	0		84	121	20
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0515SBSD01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107	3		66	134	20
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	4		78	127	20
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	8		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0516SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	24.1	ug/Kg	121			72	129	
	Bromomethane	20	26.5	ug/Kg	133			58	141	
	Chloroethane	20	24.7	ug/Kg	124			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	85.5	ug/Kg	86			60	131	
	Carbon disulfide	20	20.7	ug/Kg	104			45	154	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	19.8	ug/Kg	99			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	91.5	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	90.9	ug/Kg	91			70	135	
	Toluene	20	19.5	ug/Kg	98			83	122	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			82	125	
	2-Hexanone	100	89.2	ug/Kg	89			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	19.8	ug/Kg	99			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.0	ug/Kg	95			82	124	
	m/p-Xylenes	40	38.4	ug/Kg	96			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	18.9	ug/Kg	95			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	18.4	ug/Kg	92			83	122	
	1,4-Dichlorobenzene	20	18.9	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.: Q1982
Client: CDM Smith
Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0516SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0515SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1982

SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022261.D

Lab Sample ID: VY0515SBL01

Date Analyzed: 05/15/2025

Time Analyzed: 13:44

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
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025
TP-4	Q1982-04	VY022272.D	05/15/2025
TP-5	Q1982-05	VY022273.D	05/15/2025
TP-6	Q1982-06	VY022274.D	05/15/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1982

SAS No.: Q1982 SDG NO.: Q1982

Lab File ID: VY022278.D

Lab Sample ID: VY0516SBL01

Date Analyzed: 05/16/2025

Time Analyzed: 09:37

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
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025
TP-1	Q1982-01	VY022286.D	05/16/2025
TP-2B	Q1982-02	VY022287.D	05/16/2025
TP-3	Q1982-03	VY022288.D	05/16/2025
TP-8	Q1982-07	VY022289.D	05/16/2025
TP-9	Q1982-08	VY022290.D	05/16/2025

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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
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
VY0515SBL01	VY0515SBL01	VY022261.D	05/15/2025	13:44
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025	14:07
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025	14:29
TP-4	Q1982-04	VY022272.D	05/15/2025	18:19
TP-5	Q1982-05	VY022273.D	05/15/2025	18:43
TP-6	Q1982-06	VY022274.D	05/15/2025	19:06



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
Lab File ID: VY022276.D BFB Injection Date: 05/16/2025
Instrument ID: MSVOA_Y BFB Injection Time: 07:54
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	25.1
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.9 (98.3) 1
177	5.0 - 9.0% of mass 176	5.6 (6.9) 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	VY022277.D	05/16/2025	08:24
VY0516SBL01	VY0516SBL01	VY022278.D	05/16/2025	09:37
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025	10:09
TP-1	Q1982-01	VY022286.D	05/16/2025	13:17
TP-2B	Q1982-02	VY022287.D	05/16/2025	13:41
TP-3	Q1982-03	VY022288.D	05/16/2025	14:04
TP-8	Q1982-07	VY022289.D	05/16/2025	14:28
TP-9	Q1982-08	VY022290.D	05/16/2025	14:51

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
 Lab File ID: VY022256.D Date Analyzed: 05/15/2025
 Instrument ID: MSVOA_Y Time Analyzed: 11:02
 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	267598	7.71	439323	8.62	377571	11.41
UPPER LIMIT	535196	8.207	878646	9.116	755142	11.914
LOWER LIMIT	133799	7.207	219662	8.116	188786	10.914
EPA SAMPLE NO.						
TP-4	303248	7.71	528458	8.61	395320	11.41
TP-5	345998	7.71	610490	8.62	492184	11.41
TP-6	302935	7.71	529384	8.62	407189	11.41
VY0515SBL01	357935	7.71	617938	8.62	477752	11.41
VY0515SBS01	240556	7.71	405751	8.62	344872	11.41
VY0515SBSD01	238919	7.71	402031	8.62	341987	11.41

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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
 Lab File ID: VY022256.D Date Analyzed: 05/15/2025
 Instrument ID: MSVOA_Y Time Analyzed: 11:02
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	180358	13.346				
UPPER LIMIT	360716	13.846				
LOWER LIMIT	90179	12.846				
EPA SAMPLE NO.						
TP-4	123883	13.35				
TP-5	188552	13.35				
TP-6	138768	13.35				
VY0515SBL01	173912	13.35				
VY0515SBS01	163448	13.35				
VY0515SBSD01	161126	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
Lab File ID: VY022277.D Date Analyzed: 05/16/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:24
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	212993	7.71	356583	8.62	305829	11.42
UPPER LIMIT	425986	8.207	713166	9.115	611658	11.92
LOWER LIMIT	106497	7.207	178292	8.115	152915	10.92
EPA SAMPLE NO.						
TP-1	279736	7.71	499229	8.61	412738	11.41
TP-2B	272623	7.71	473712	8.62	327253	11.41
TP-3	273129	7.71	474491	8.62	343745	11.41
TP-8	265944	7.71	467527	8.61	335264	11.41
TP-9	263964	7.71	460977	8.61	322155	11.41
VY0516SBL01	314347	7.71	555500	8.62	426459	11.42
VY0516SBS01	205076	7.71	351708	8.62	300126	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.: Q1982 SAS No.: Q1982 SDG NO.: Q1982
 Lab File ID: VY022277.D Date Analyzed: 05/16/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:24
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	144477	13.346				
UPPER LIMIT	288954	13.846				
LOWER LIMIT	72238.5	12.846				
EPA SAMPLE NO.						
TP-1	154433	13.35				
TP-2B	82963	13.35				
TP-3	98736	13.35				
TP-8	97059	13.35				
TP-9	80191	13.35				
VY0516SBL01	151389	13.35				
VY0516SBS01	141210	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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93 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
VY022286.D	1		05/16/25 13:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	1.90	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	1.90	ug/Kg
75-01-4	Vinyl Chloride	0.31	U	0.31	1.90	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	1.90	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	1.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	1.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1.90	ug/Kg
67-64-1	Acetone	20.7		1.80	9.70	ug/Kg
75-15-0	Carbon Disulfide	0.41	U	0.41	1.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.28	U	0.28	1.90	ug/Kg
79-20-9	Methyl Acetate	0.60	U	0.60	1.90	ug/Kg
75-09-2	Methylene Chloride	1.40	U	1.40	3.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.33	U	0.33	1.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
110-82-7	Cyclohexane	0.31	U	0.31	1.90	ug/Kg
78-93-3	2-Butanone	2.50	J	2.50	9.70	ug/Kg
56-23-5	Carbon Tetrachloride	0.38	U	0.38	1.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	1.90	ug/Kg
74-97-5	Bromochloromethane	0.45	U	0.45	1.90	ug/Kg
67-66-3	Chloroform	0.33	U	0.33	1.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
108-87-2	Methylcyclohexane	0.35	U	0.35	1.90	ug/Kg
71-43-2	Benzene	0.31	U	0.31	1.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
79-01-6	Trichloroethene	0.31	U	0.31	1.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	1.90	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	1.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.40	U	1.40	9.70	ug/Kg
108-88-3	Toluene	0.30	U	0.30	1.90	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93 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
VY022286.D	1		05/16/25 13:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.25	U	0.25	1.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	1.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
591-78-6	2-Hexanone	1.40	U	1.40	9.70	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	0.34	1.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	1.90	ug/Kg
127-18-4	Tetrachloroethene	0.41	U	0.41	1.90	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	1.90	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	0.26	1.90	ug/Kg
179601-23-1	m/p-Xylenes	0.48	U	0.48	3.90	ug/Kg
95-47-6	o-Xylene	0.32	U	0.32	1.90	ug/Kg
100-42-5	Styrene	0.28	U	0.28	1.90	ug/Kg
75-25-2	Bromoform	0.33	U	0.33	1.90	ug/Kg
98-82-8	Isopropylbenzene	0.30	U	0.30	1.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.47	1.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	1.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.61	U	0.61	1.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	1.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.71	U	0.71	1.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.0		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.7		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280000	7.707			
540-36-3	1,4-Difluorobenzene	499000	8.61			
3114-55-4	Chlorobenzene-d5	413000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.9
Sample Wt/Vol:	15.93	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
VY022286.D	1		05/16/25 13:17	VY051625

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\VY051625\
 Data File : VY022286.D
 Acq On : 16 May 2025 13:17
 Operator : SY/MD
 Sample : Q1982-01
 Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: May 17 01:32:31 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)

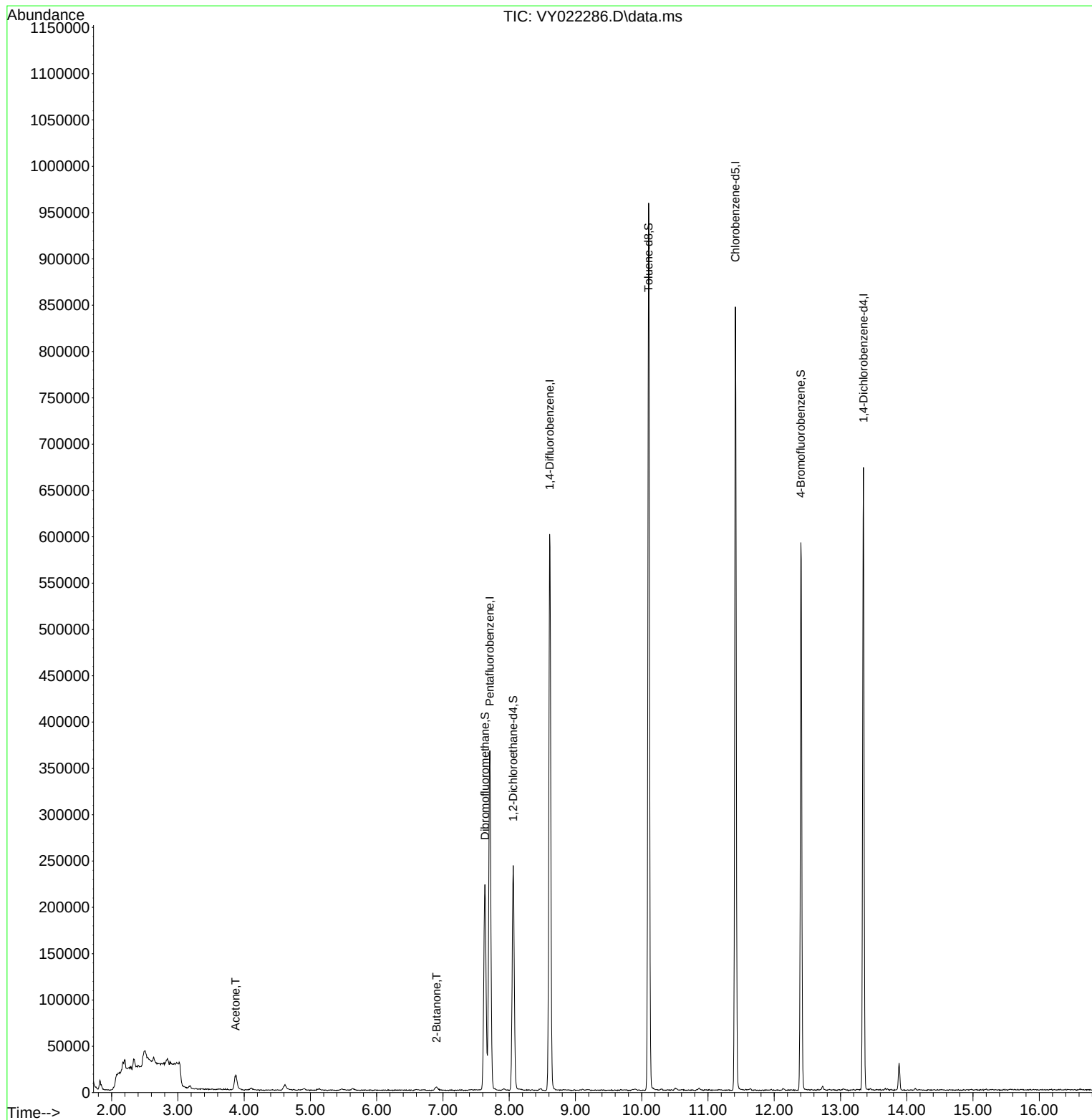
Internal Standards						
1) Pentafluorobenzene	7.707	168	279736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	499229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183547	60.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.080%
35) Dibromofluoromethane	7.634	113	154177	51.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.480%
50) Toluene-d8	10.103	98	605727	49.635	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.402	95	165203	42.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.420%
Target Compounds						Qvalue
16) Acetone	3.873	43	30512	53.226	ug/l	93
25) 2-Butanone	6.903	43	6095	6.356	ug/l #	88

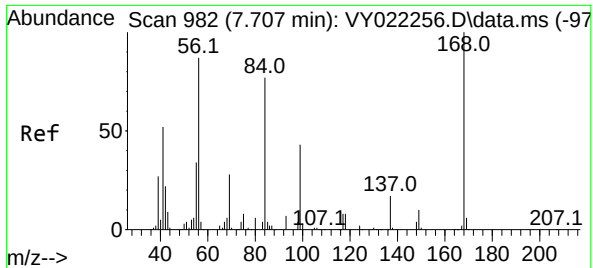
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Quant Time: May 17 01:32:31 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

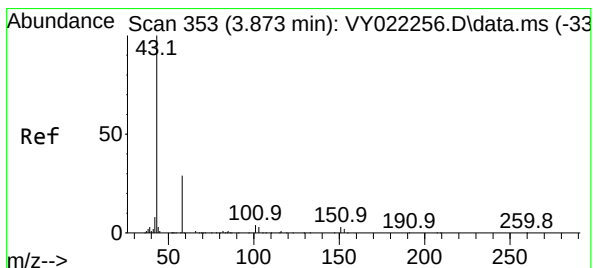
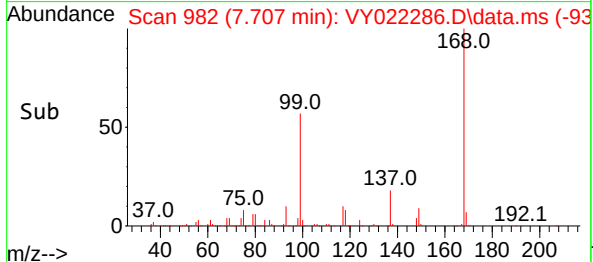
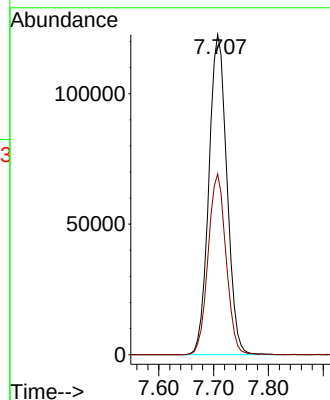
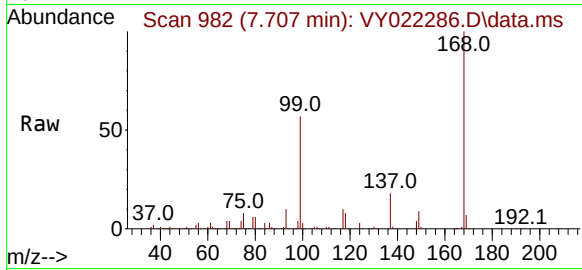




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

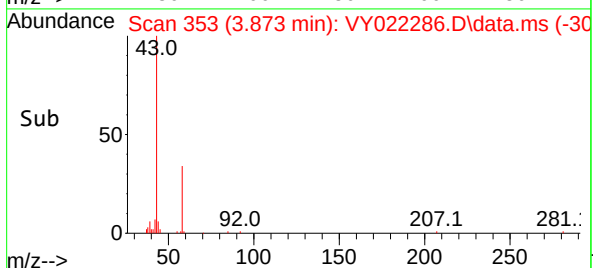
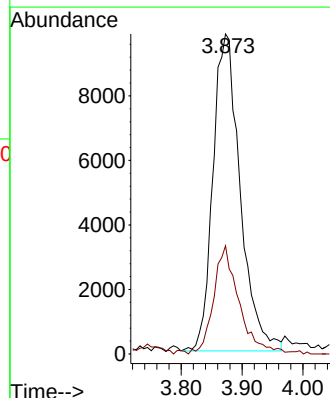
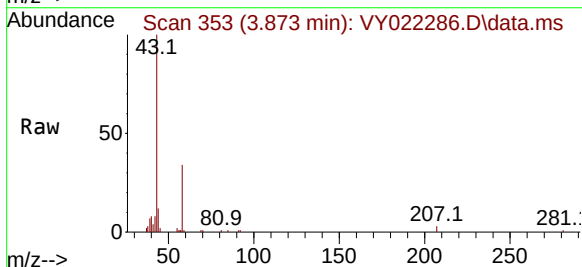
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

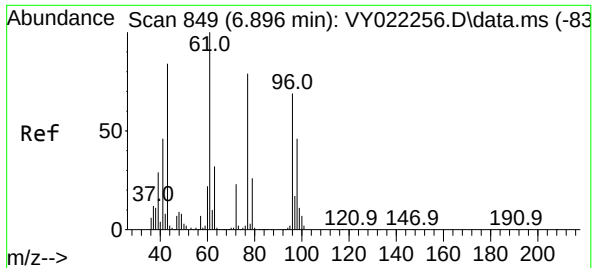
Tgt Ion:168 Resp: 279736
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4



#16
Acetone
Concen: 53.226 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 43 Resp: 30512
Ion Ratio Lower Upper
43 100
58 33.1 23.6 35.4

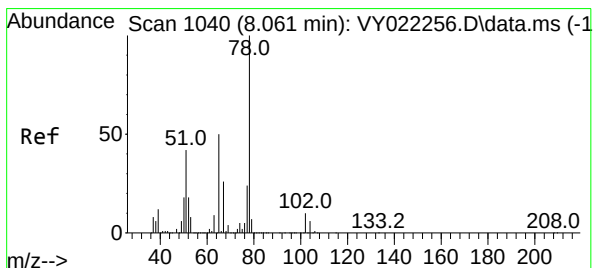
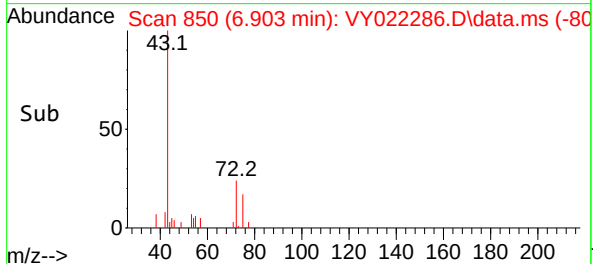
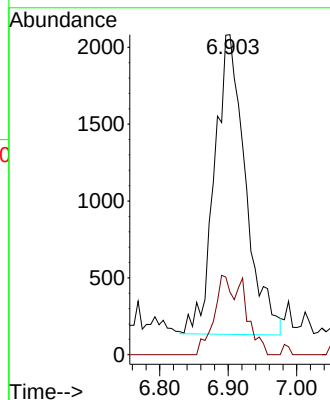
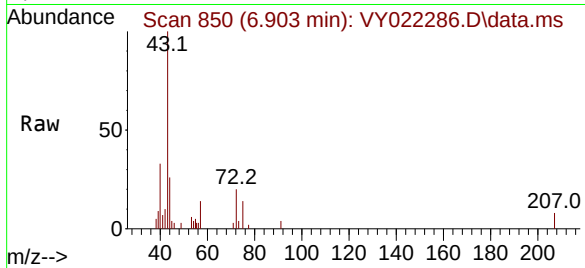




#25
2-Butanone
Concen: 6.356 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

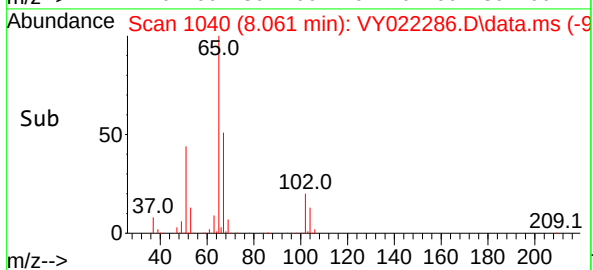
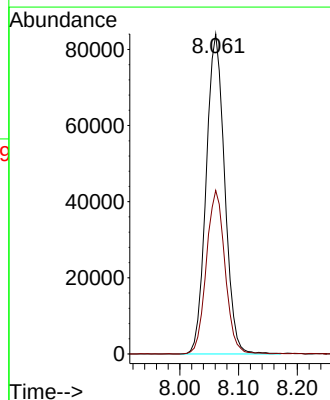
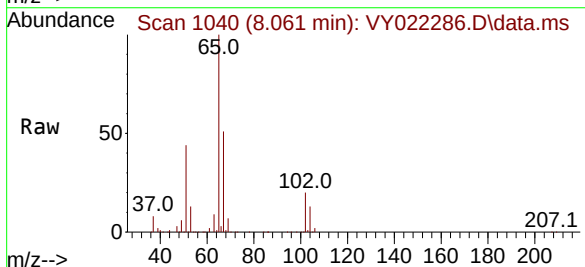
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

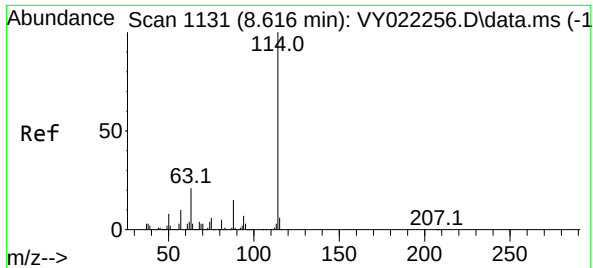
Tgt Ion: 43 Resp: 6095
Ion Ratio Lower Upper
43 100
72 21.1 22.1 33.1#



#33
1,2-Dichloroethane-d4
Concen: 60.037 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 65 Resp: 183547
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

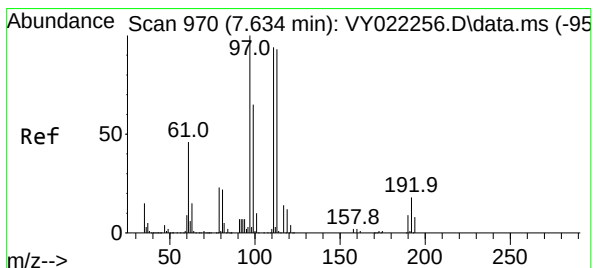
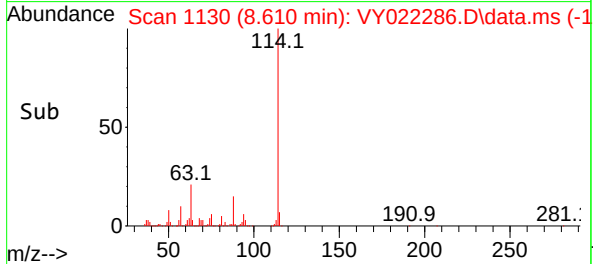
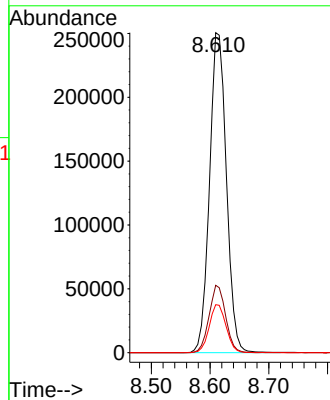
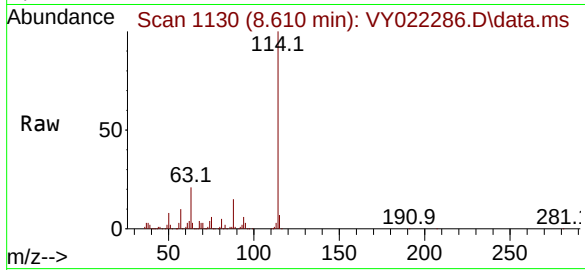
Tgt Ion:114 Resp: 499229

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.743 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

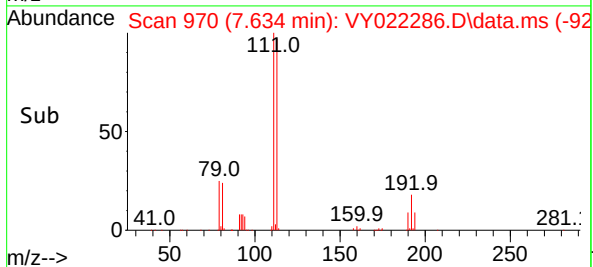
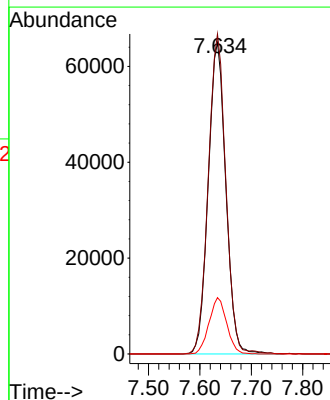
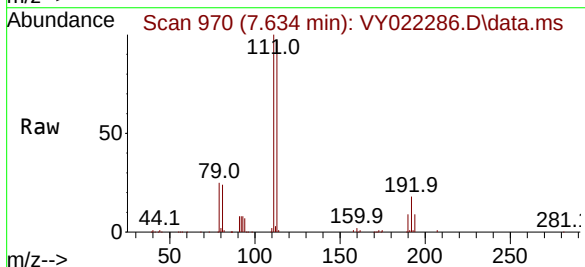
Tgt Ion:113 Resp: 154177

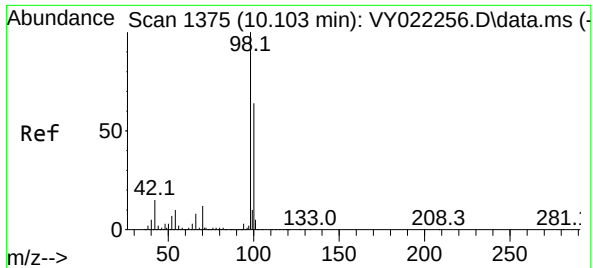
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 18.2 15.2 22.8





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

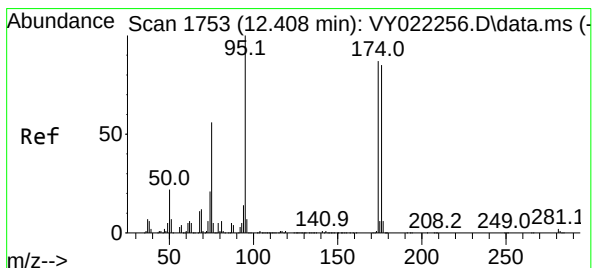
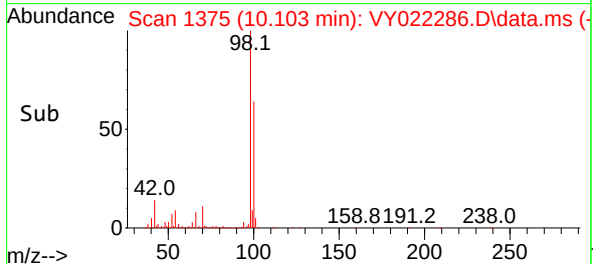
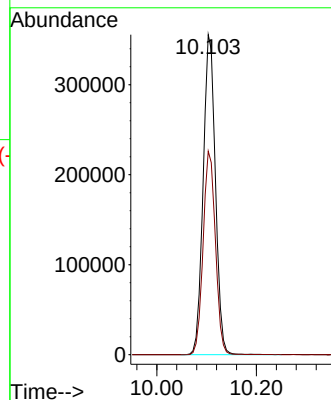
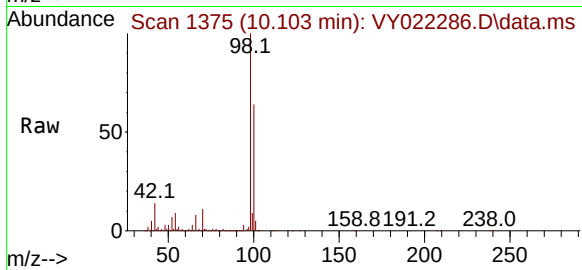
TP-1

Tgt Ion: 98 Resp: 605727

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 42.709 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

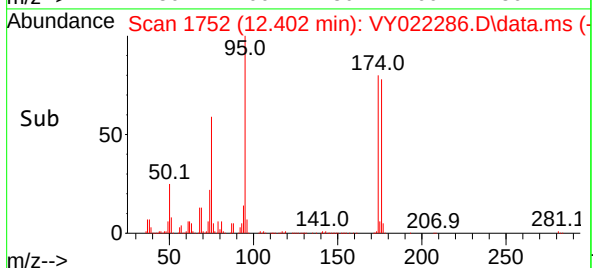
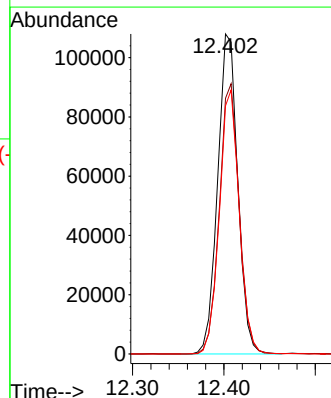
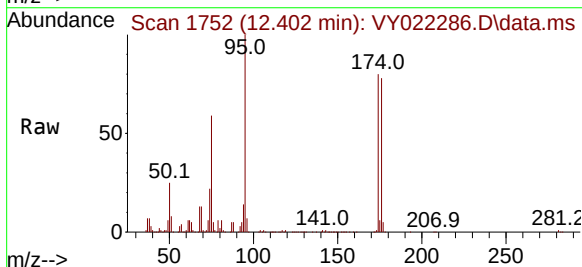
Tgt Ion: 95 Resp: 165203

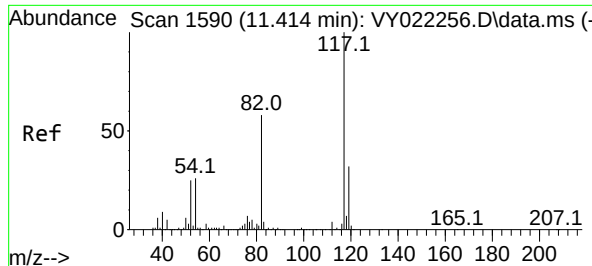
Ion Ratio Lower Upper

95 100

174 83.6 0.0 166.8

176 81.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

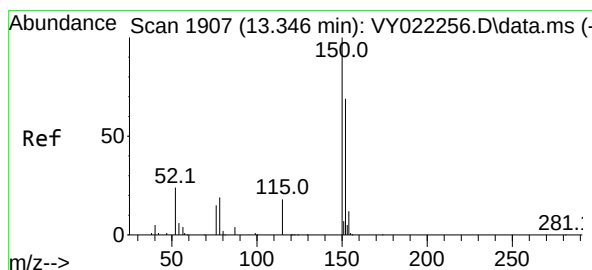
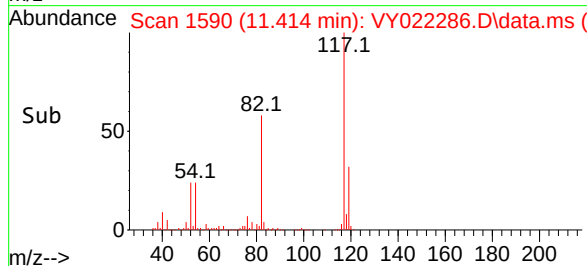
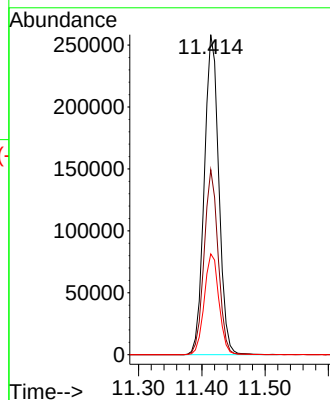
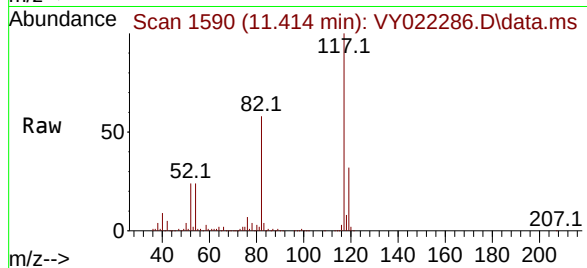
Tgt Ion:117 Resp: 412738

Ion Ratio Lower Upper

117 100

82 57.8 46.6 70.0

119 31.5 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: VY022286.D

Acq: 16 May 2025 13:17

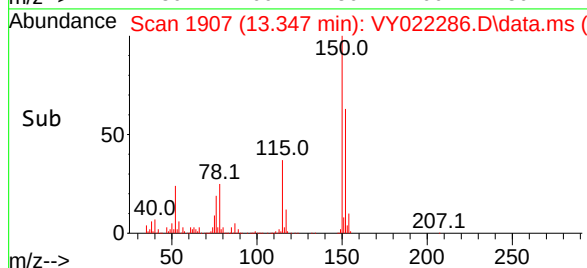
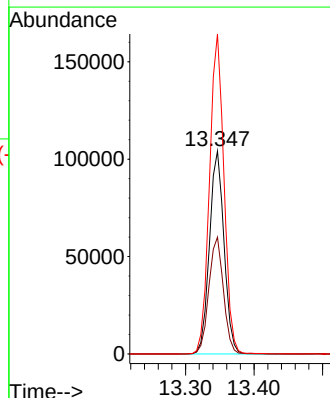
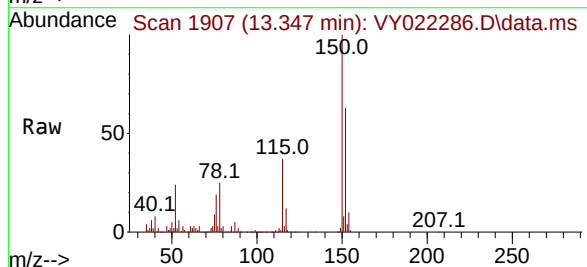
Tgt Ion:152 Resp: 154433

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 156.2 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022286.D
 Acq On : 16 May 2025 13:17
 Operator : SY/MD
 Sample : Q1982-01
 Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

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: VY022286.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	24	rVB2	9707	18549	1.13%	0.225%
2	2.074	44	58	60	rBV4	16899	41073	2.49%	0.497%
3	2.501	120	128	133	rBV8	15932	53408	3.24%	0.647%
4	3.873	343	353	366	rBV	16171	49075	2.98%	0.594%
5	4.616	465	475	482	rBV3	6483	20971	1.27%	0.254%
6	7.634	959	970	976	rBV	221755	534540	32.44%	6.474%
7	7.707	976	982	994	rVB	365373	831178	50.44%	10.066%
8	8.061	1031	1040	1053	rBV	242911	539495	32.74%	6.534%
9	8.610	1120	1130	1141	rBV	600776	1190536	72.25%	14.418%
10	10.103	1364	1375	1385	rBV	958158	1647793	100.00%	19.956%
11	11.414	1581	1590	1602	rBV	845891	1352411	82.07%	16.379%
12	12.402	1745	1752	1761	rBV	591508	920900	55.89%	11.153%
13	13.347	1900	1907	1917	rBV	672036	1010376	61.32%	12.236%
14	13.883	1989	1995	2004	rVB2	29307	46769	2.84%	0.566%

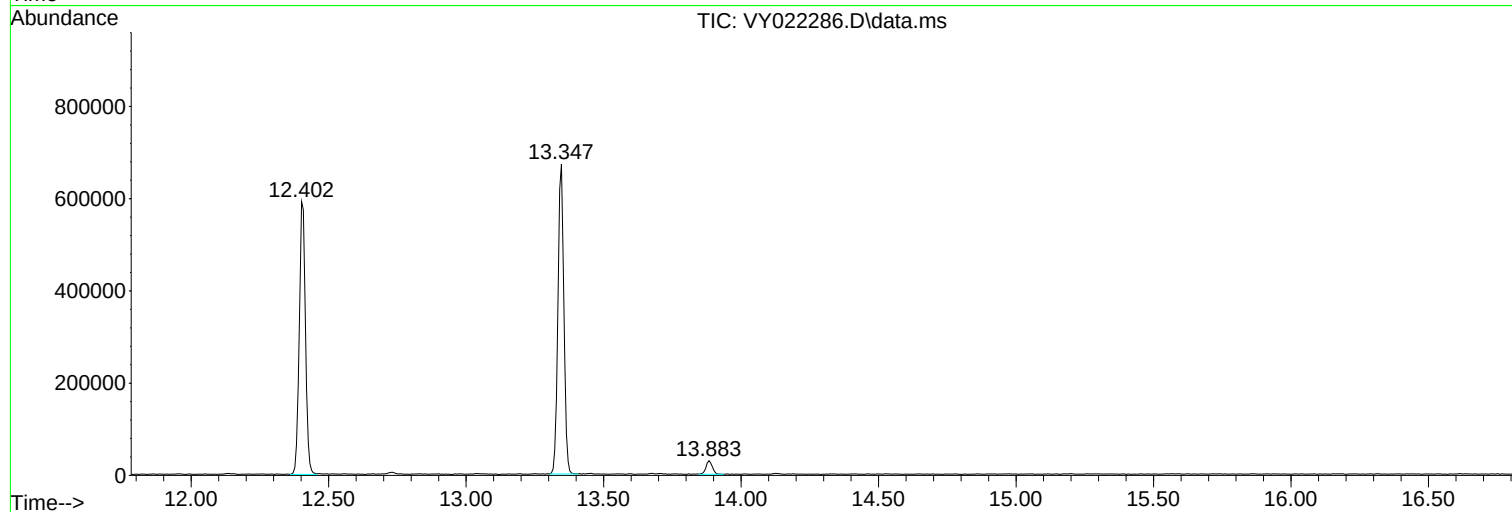
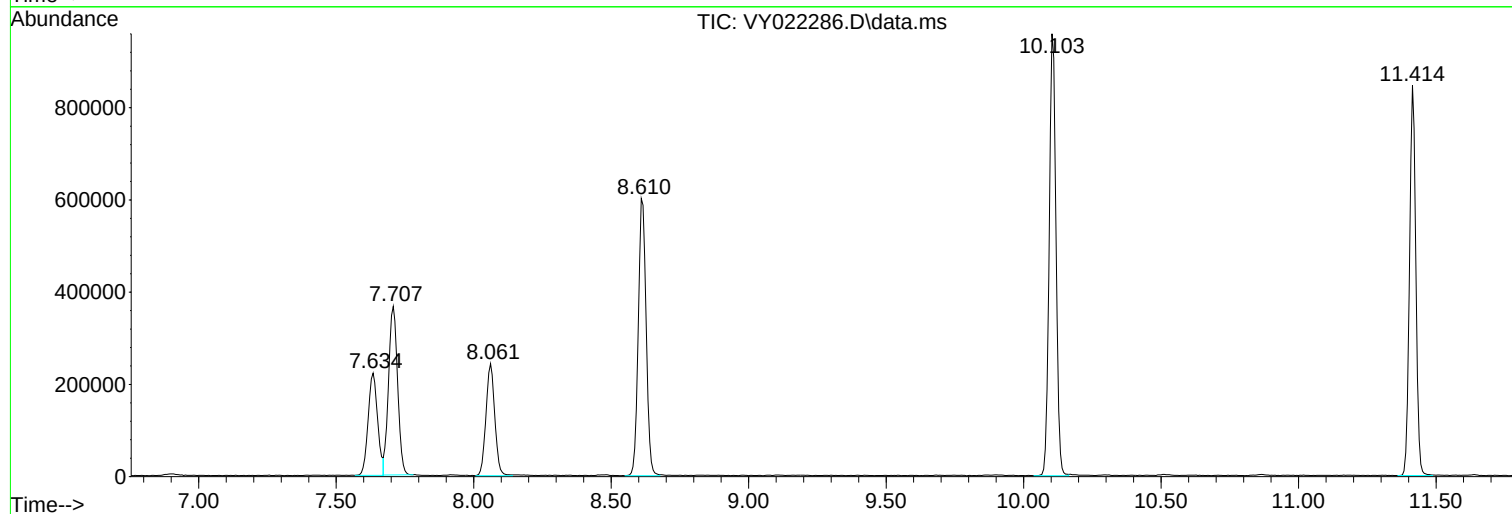
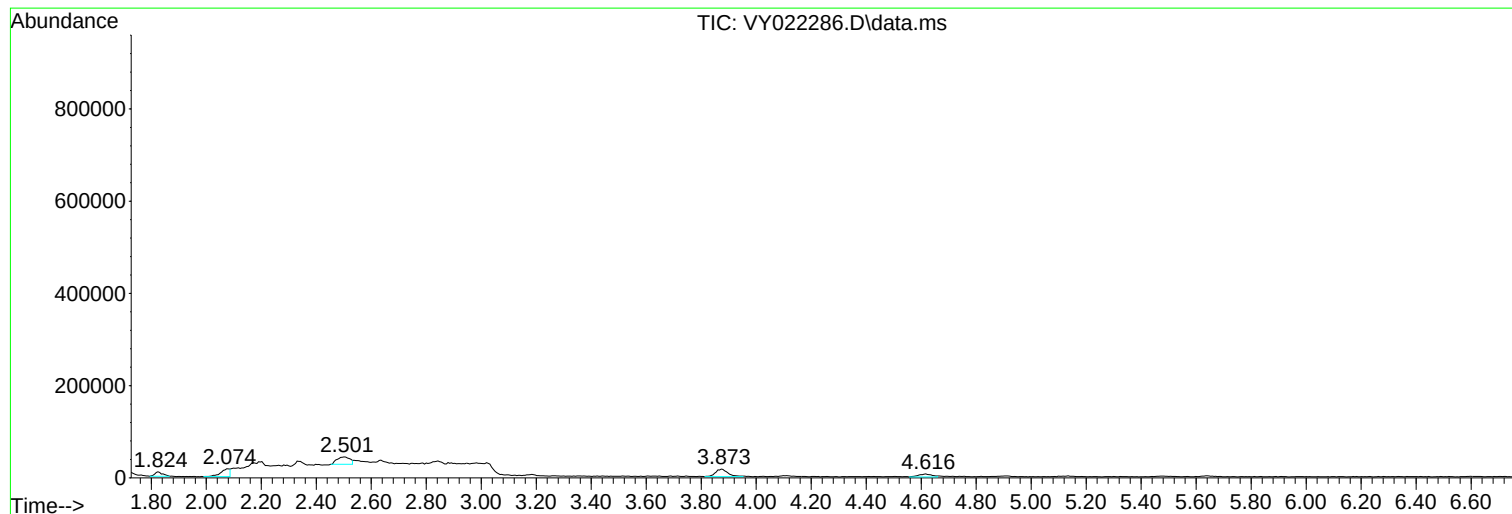
Sum of corrected areas: 8257074

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

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\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

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\VY051625\
Data File : VY022286.D
Acq On : 16 May 2025 13:17
Operator : SY/MD
Sample : Q1982-01
Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26 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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.44	U	0.44	1.90	ug/Kg
74-87-3	Chloromethane	0.44	U	0.44	1.90	ug/Kg
75-01-4	Vinyl Chloride	0.30	U	0.30	1.90	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	1.90	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	1.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.47	U	0.47	1.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.41	U	0.41	1.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.39	U	0.39	1.90	ug/Kg
67-64-1	Acetone	1.80	U	1.80	9.60	ug/Kg
75-15-0	Carbon Disulfide	0.41	U	0.41	1.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.28	U	0.28	1.90	ug/Kg
79-20-9	Methyl Acetate	0.59	U	0.59	1.90	ug/Kg
75-09-2	Methylene Chloride	1.40	U	1.40	3.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.33	U	0.33	1.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	1.90	ug/Kg
110-82-7	Cyclohexane	0.30	U	0.30	1.90	ug/Kg
78-93-3	2-Butanone	2.50	U	2.50	9.60	ug/Kg
56-23-5	Carbon Tetrachloride	0.37	U	0.37	1.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	1.90	ug/Kg
74-97-5	Bromochloromethane	0.44	U	0.44	1.90	ug/Kg
67-66-3	Chloroform	0.32	U	0.32	1.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.36	U	0.36	1.90	ug/Kg
108-87-2	Methylcyclohexane	0.35	U	0.35	1.90	ug/Kg
71-43-2	Benzene	0.30	U	0.30	1.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.30	U	0.30	1.90	ug/Kg
79-01-6	Trichloroethene	0.31	U	0.31	1.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	1.90	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	1.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.40	U	1.40	9.60	ug/Kg
108-88-3	Toluene	0.30	U	0.30	1.90	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26	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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.25	U	0.25	1.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	0.24	1.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.35	U	0.35	1.90	ug/Kg
591-78-6	2-Hexanone	1.40	U	1.40	9.60	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	0.34	1.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	1.90	ug/Kg
127-18-4	Tetrachloroethene	0.40	U	0.40	1.90	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	1.90	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	0.26	1.90	ug/Kg
179601-23-1	m/p-Xylenes	0.48	U	0.48	3.90	ug/Kg
95-47-6	o-Xylene	0.32	U	0.32	1.90	ug/Kg
100-42-5	Styrene	0.27	U	0.27	1.90	ug/Kg
75-25-2	Bromoform	0.33	U	0.33	1.90	ug/Kg
98-82-8	Isopropylbenzene	0.30	U	0.30	1.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.47	U	0.47	1.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	1.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	1.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	1.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.71	U	0.71	1.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	1.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	1.90	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.1	63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3	70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	47.8	74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.5	38 - 136	73%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	273000	7.707
540-36-3	1,4-Difluorobenzene	474000	8.616
3114-55-4	Chlorobenzene-d5	327000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	83000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	15.26	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
VY022287.D	1		05/16/25 13:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.489	3.10	J		2.49	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\VY051625\
 Data File : VY022287.D
 Acq On : 16 May 2025 13:41
 Operator : SY/MD
 Sample : Q1982-02
 Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

Quant Time: May 17 01:32:54 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	272623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	473712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82963	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146188	49.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.120%
35) Dibromofluoromethane	7.634	113	142338	50.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.680%
50) Toluene-d8	10.103	98	553522	47.801	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.600%
62) 4-Bromofluorobenzene	12.401	95	133997	36.508	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.020%

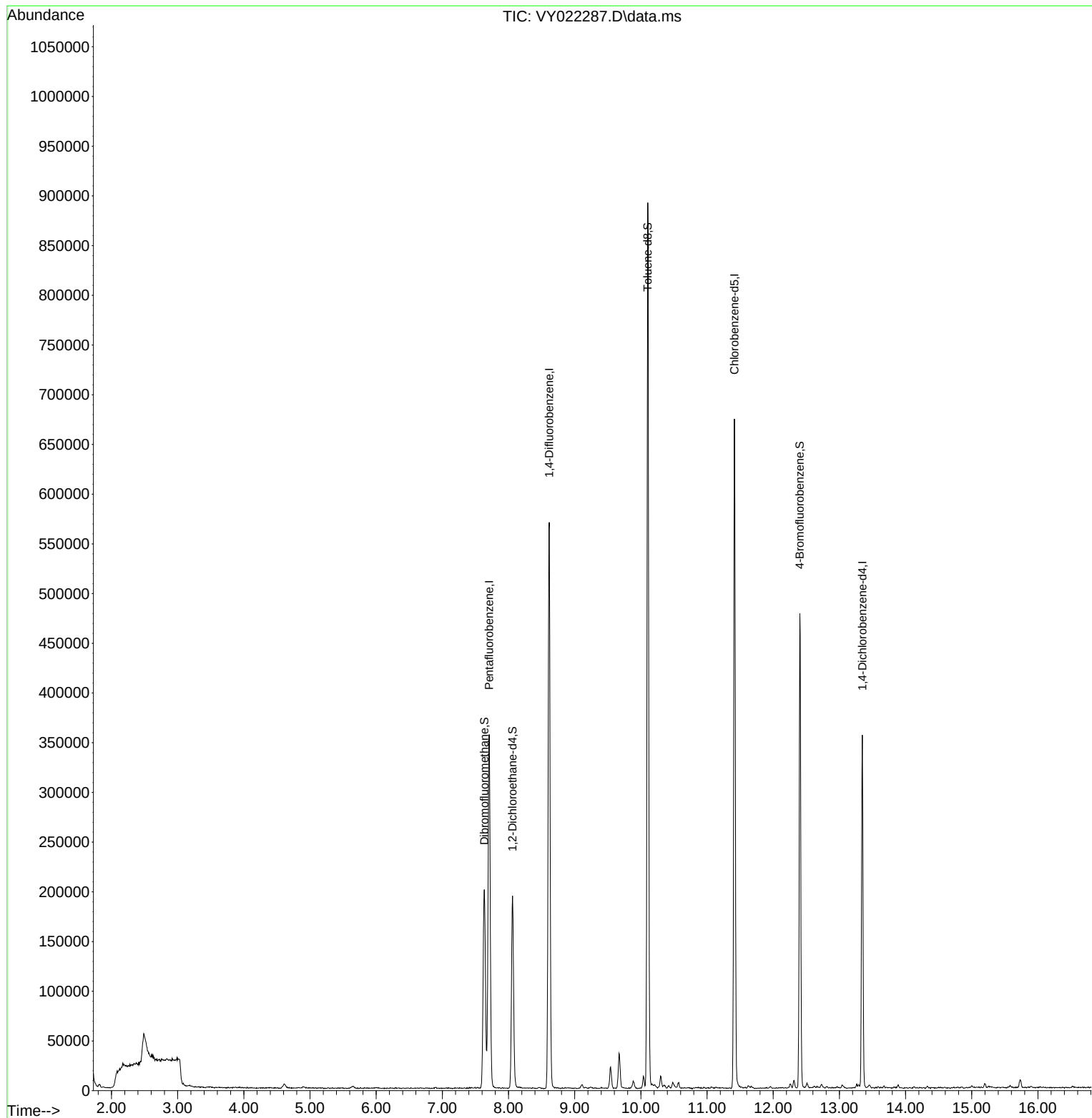
Target Compounds	Qvalue

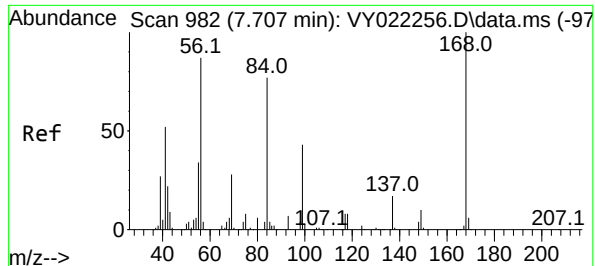
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Time: May 17 01:32:54 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

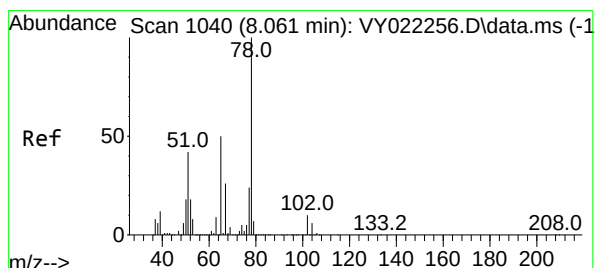
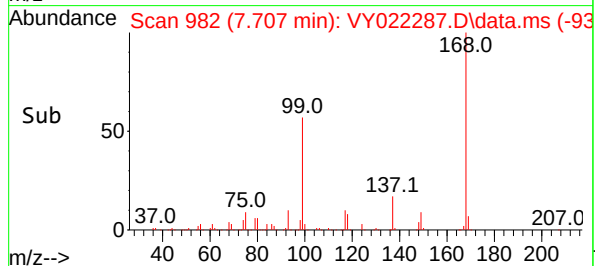
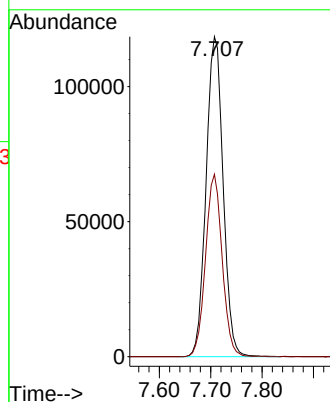
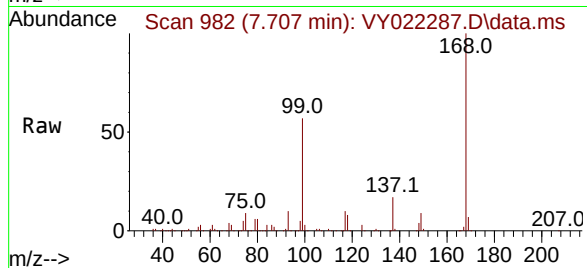




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

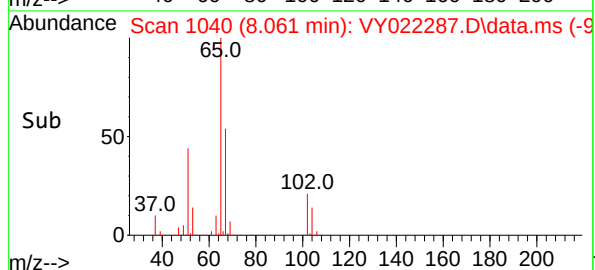
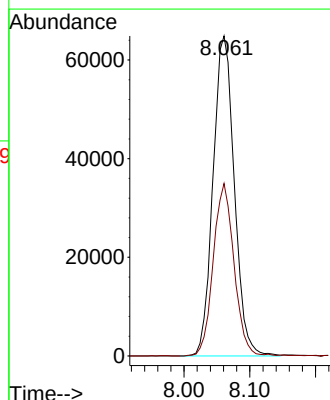
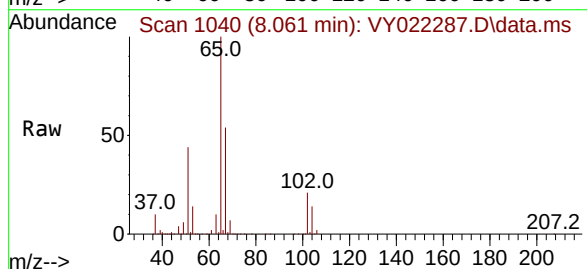
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

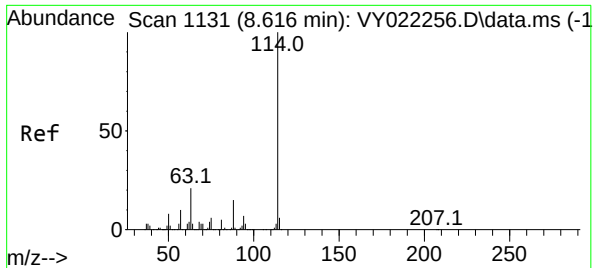
Tgt Ion:168 Resp: 272623
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 49.064 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 65 Resp: 146188
Ion Ratio Lower Upper
65 100
67 52.6 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: VY022287.D

Acq: 16 May 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-2B

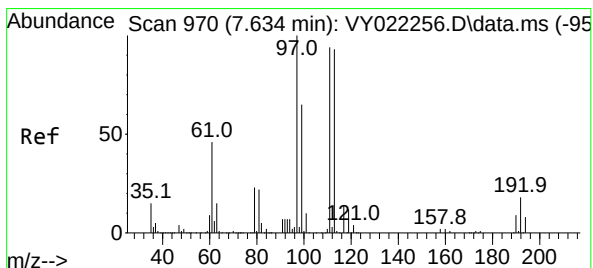
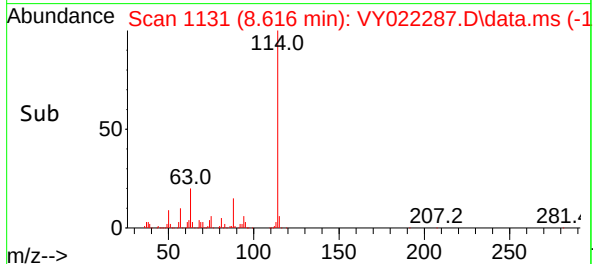
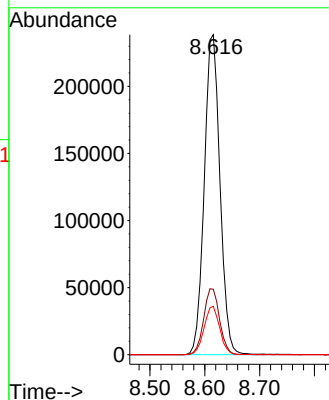
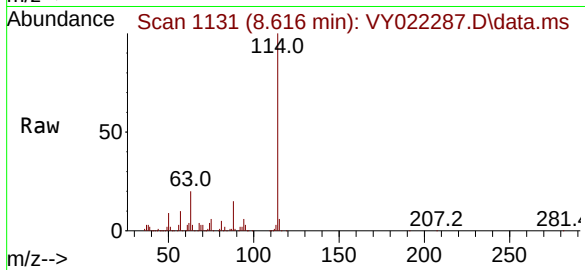
Tgt Ion:114 Resp: 473712

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.343 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

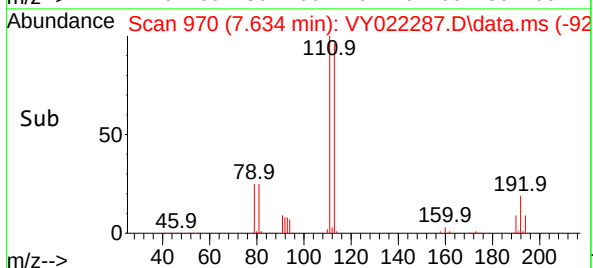
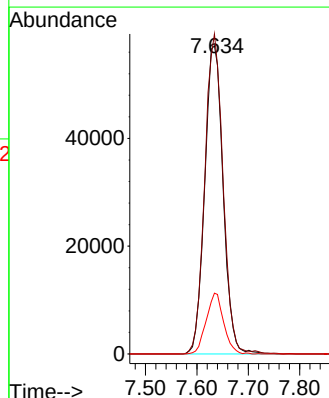
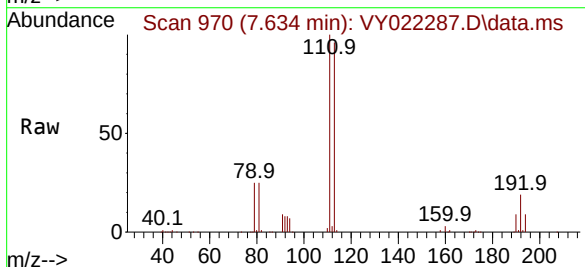
Tgt Ion:113 Resp: 142338

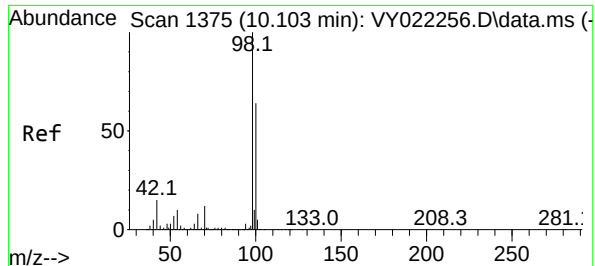
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 18.7 15.2 22.8





#50

Toluene-d8

Concen: 47.801 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

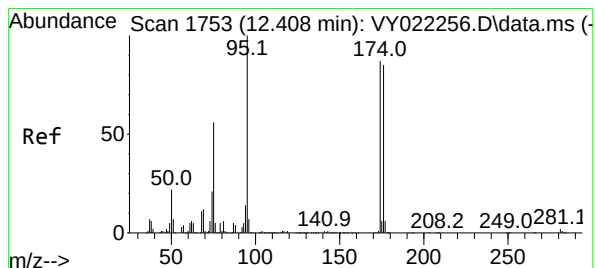
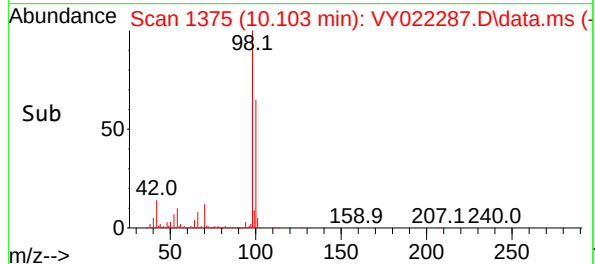
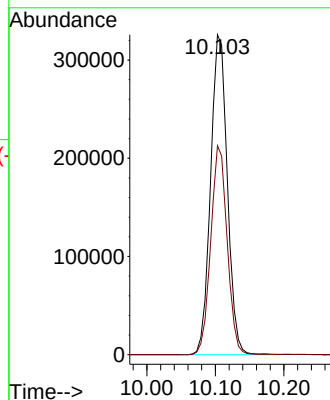
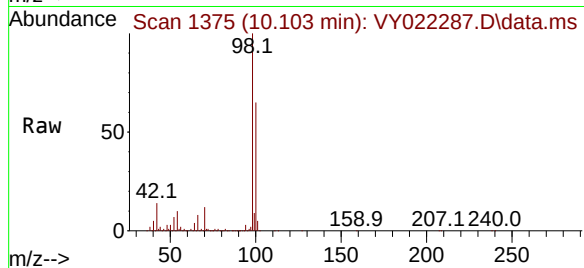
TP-2B

Tgt Ion: 98 Resp: 553522

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 36.508 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

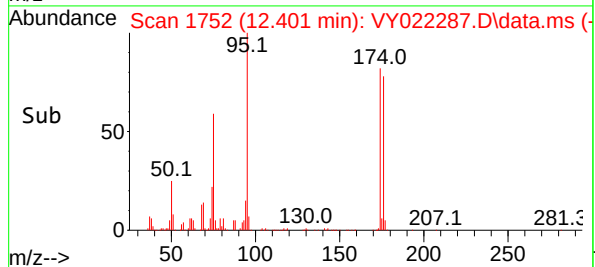
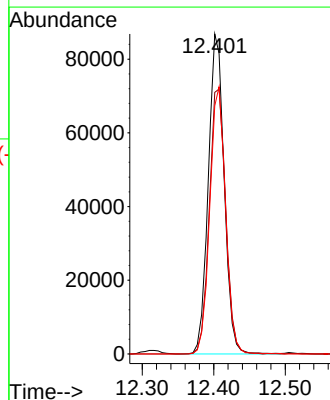
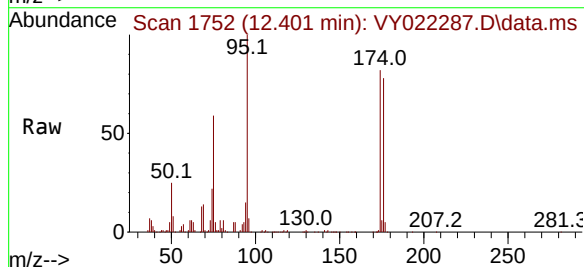
Tgt Ion: 95 Resp: 133997

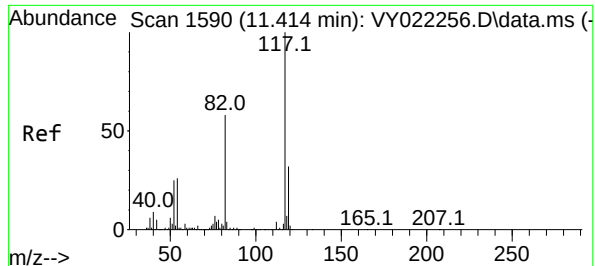
Ion Ratio Lower Upper

95 100

174 85.6 0.0 166.8

176 82.9 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-2B

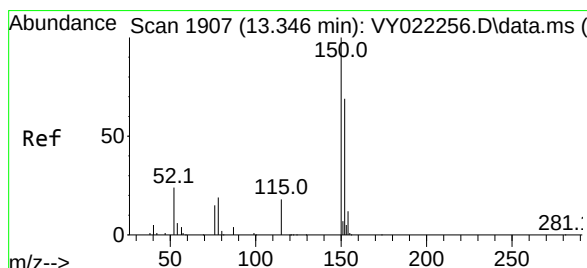
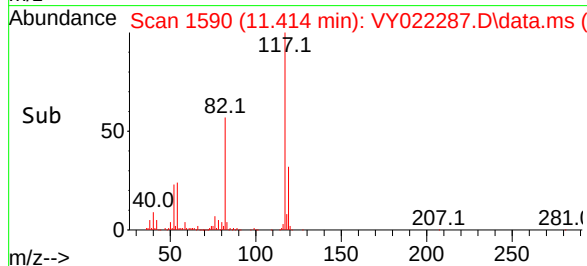
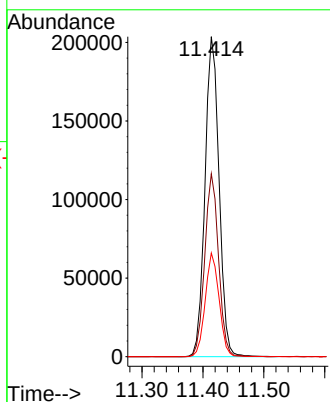
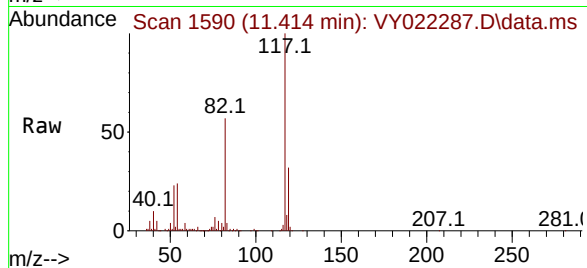
Tgt Ion:117 Resp: 327253

Ion Ratio Lower Upper

117 100

82 57.1 46.6 70.0

119 32.4 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

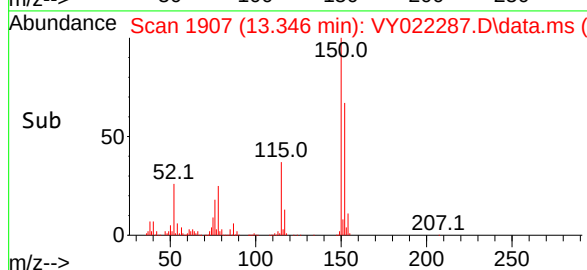
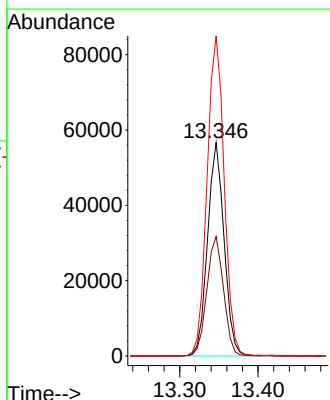
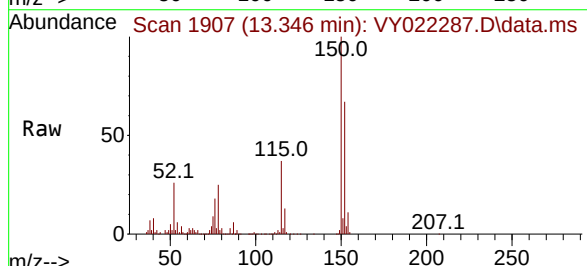
Tgt Ion:152 Resp: 82963

Ion Ratio Lower Upper

152 100

115 56.5 29.4 88.2

150 155.1 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022287.D
 Acq On : 16 May 2025 13:41
 Operator : SY/MD
 Sample : Q1982-02
 Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

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: VY022287.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	48	60	61	rBV4	16506	37985	2.53%	0.533%
2	2.489	119	126	144	rBV9	28155	131888	8.79%	1.852%
3	7.634	960	970	976	rBV2	199900	495141	33.00%	6.954%
4	7.707	976	982	997	rVB	355537	811101	54.05%	11.392%
5	8.061	1031	1040	1053	rBV	193515	433022	28.86%	6.082%
6	8.616	1118	1131	1144	rBV	569854	1136384	75.73%	15.960%
7	9.542	1275	1283	1290	rBV2	21584	42660	2.84%	0.599%
8	9.670	1297	1304	1314	rBV	35213	72651	4.84%	1.020%
9	9.884	1330	1339	1346	rBV4	7626	16635	1.11%	0.234%
10	10.036	1359	1364	1368	rBV	12124	20032	1.34%	0.281%
11	10.103	1368	1375	1384	rVV	888866	1500513	100.00%	21.074%
12	10.298	1399	1407	1412	rBV3	12269	22700	1.51%	0.319%
13	11.414	1582	1590	1602	rBV	673532	1091680	72.75%	15.332%
14	12.401	1744	1752	1763	rBV	477087	750235	50.00%	10.537%
15	13.346	1900	1907	1916	rVB	354608	542302	36.14%	7.616%
16	15.730	2293	2298	2304	rVB9	7836	15215	1.01%	0.214%

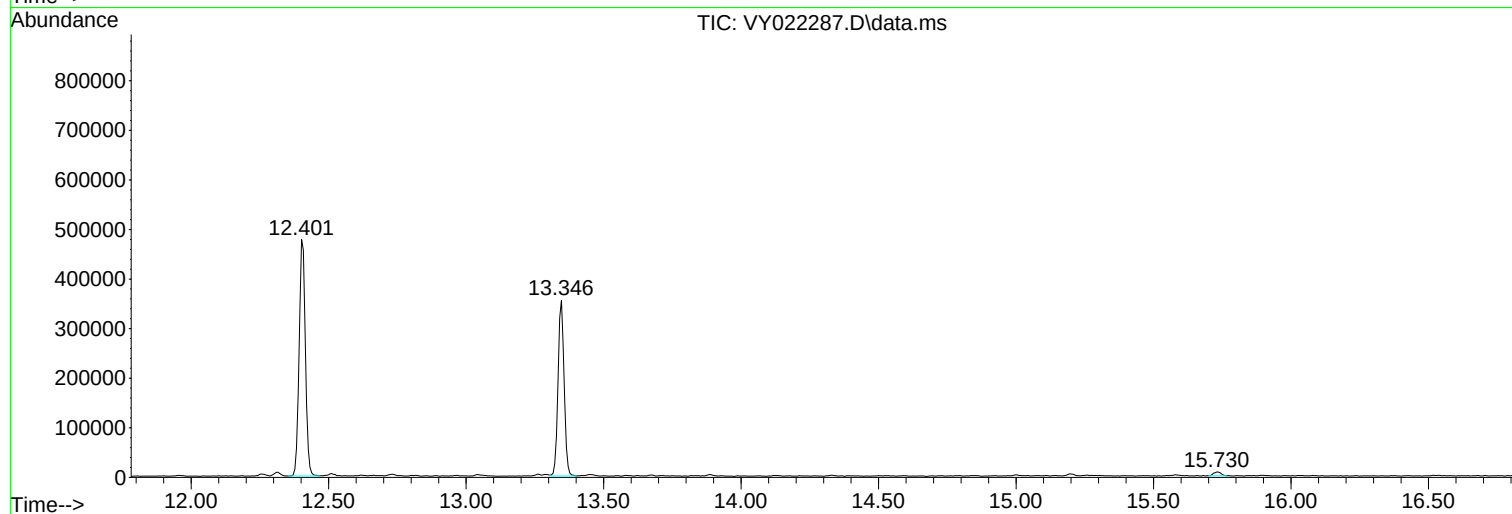
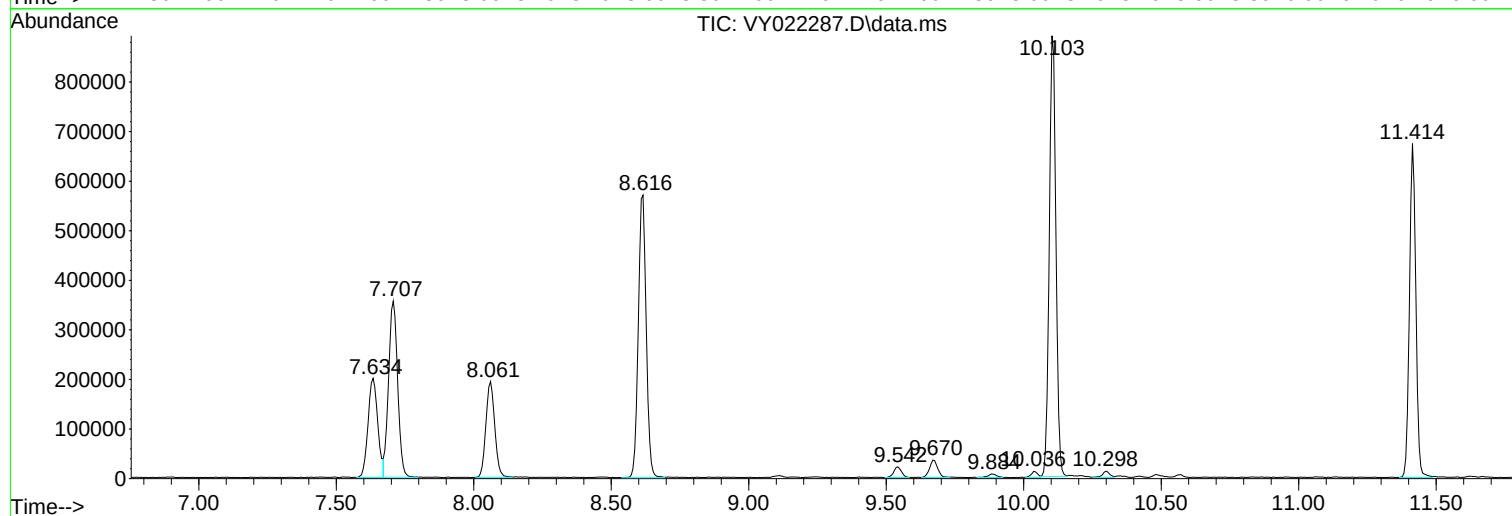
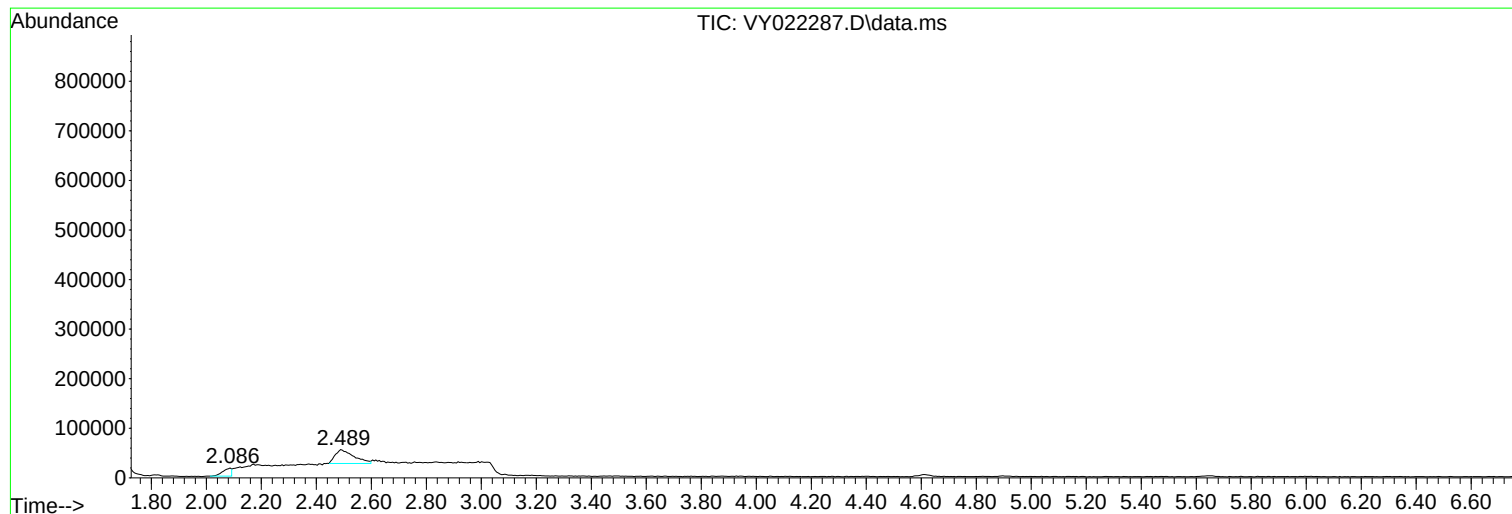
Sum of corrected areas: 7120144

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

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\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SoIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

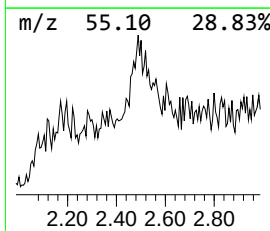
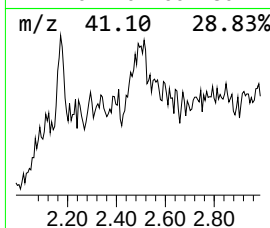
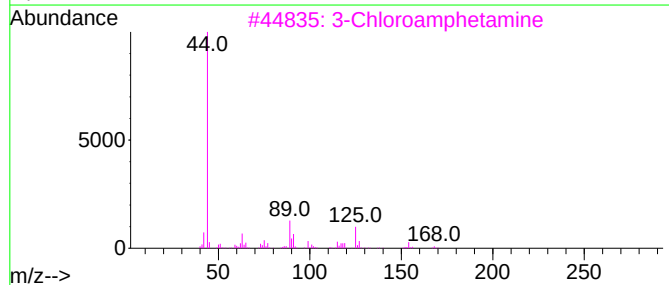
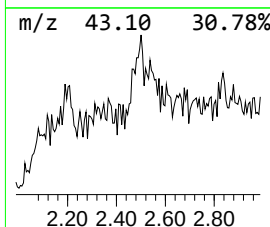
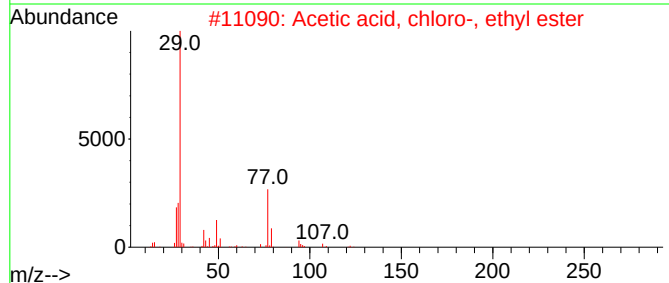
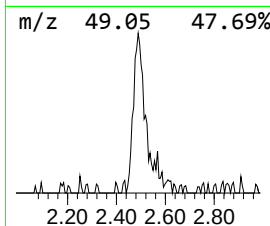
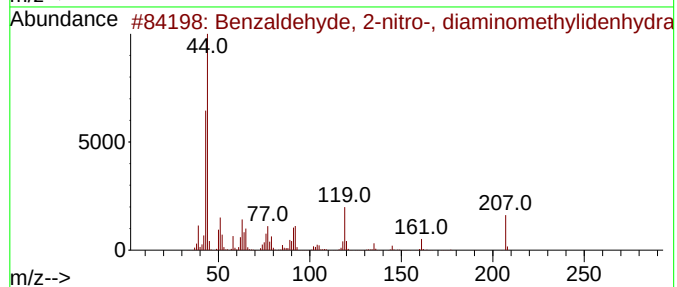
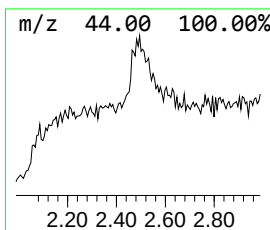
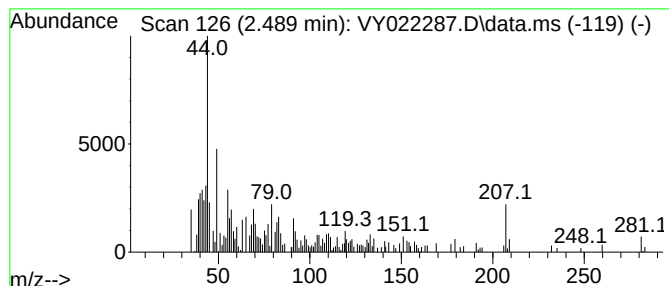
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown2.489 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	8.13 ug/l	131888	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 2-nitro-, diaminom...	207	C8H9N5O2	102632-31-5	38
2			Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	16
3			3-Chloroamphetamine	169	C9H12ClN	032560-59-1	10
4			2-(Methylamino)ethanol, O-trimet...	147	C6H17NOSi	1000385-96-3	10
5			2-[(2-Aminoethyl)sulfanyl]acetic...	163	C6H13NO2S	1249150-80-8	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022287.D
Acq On : 16 May 2025 13:41
Operator : SY/MD
Sample : Q1982-02
Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

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
unknown2.489	2.489	8.1	ug/l	131888	1	7.707	811101	50.0

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.53	U	0.53	2.30	ug/Kg
74-87-3	Chloromethane	0.53	U	0.53	2.30	ug/Kg
75-01-4	Vinyl Chloride	0.37	U	0.37	2.30	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.30	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	2.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	2.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	0.49	2.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.46	U	0.46	2.30	ug/Kg
67-64-1	Acetone	3.30	J	2.20	11.6	ug/Kg
75-15-0	Carbon Disulfide	0.49	U	0.49	2.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.34	U	0.34	2.30	ug/Kg
79-20-9	Methyl Acetate	0.72	U	0.72	2.30	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.30	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	11.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.45	U	0.45	2.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.35	U	0.35	2.30	ug/Kg
74-97-5	Bromochloromethane	0.53	U	0.53	2.30	ug/Kg
67-66-3	Chloroform	0.39	U	0.39	2.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.30	ug/Kg
71-43-2	Benzene	0.37	U	0.37	2.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
79-01-6	Trichloroethene	0.38	U	0.38	2.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.42	U	0.42	2.30	ug/Kg
75-27-4	Bromodichloromethane	0.36	U	0.36	2.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.70	U	1.70	11.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.30	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87	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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.30	U	0.30	2.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.29	U	0.29	2.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
591-78-6	2-Hexanone	1.70	U	1.70	11.6	ug/Kg
124-48-1	Dibromochloromethane	0.40	U	0.40	2.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.41	U	0.41	2.30	ug/Kg
127-18-4	Tetrachloroethene	0.49	U	0.49	2.30	ug/Kg
108-90-7	Chlorobenzene	0.42	U	0.42	2.30	ug/Kg
100-41-4	Ethyl Benzene	0.31	U	0.31	2.30	ug/Kg
179601-23-1	m/p-Xylenes	0.58	U	0.58	4.60	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.30	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.30	ug/Kg
75-25-2	Bromoform	0.40	U	0.40	2.30	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	0.56	2.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.79	U	0.79	2.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.72	U	0.72	2.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	2.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.40	U	1.40	2.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.50	U	1.50	2.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.9	63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7	70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.2	74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3	38 - 136	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	273000	7.707
540-36-3	1,4-Difluorobenzene	474000	8.616
3114-55-4	Chlorobenzene-d5	344000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000107-07-3	2-Chloroethanol	3.20	J		2.48	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\VY051625\
 Data File : VY022288.D
 Acq On : 16 May 2025 14:04
 Operator : SY/MD
 Sample : Q1982-03
 Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: May 17 01:33:18 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)

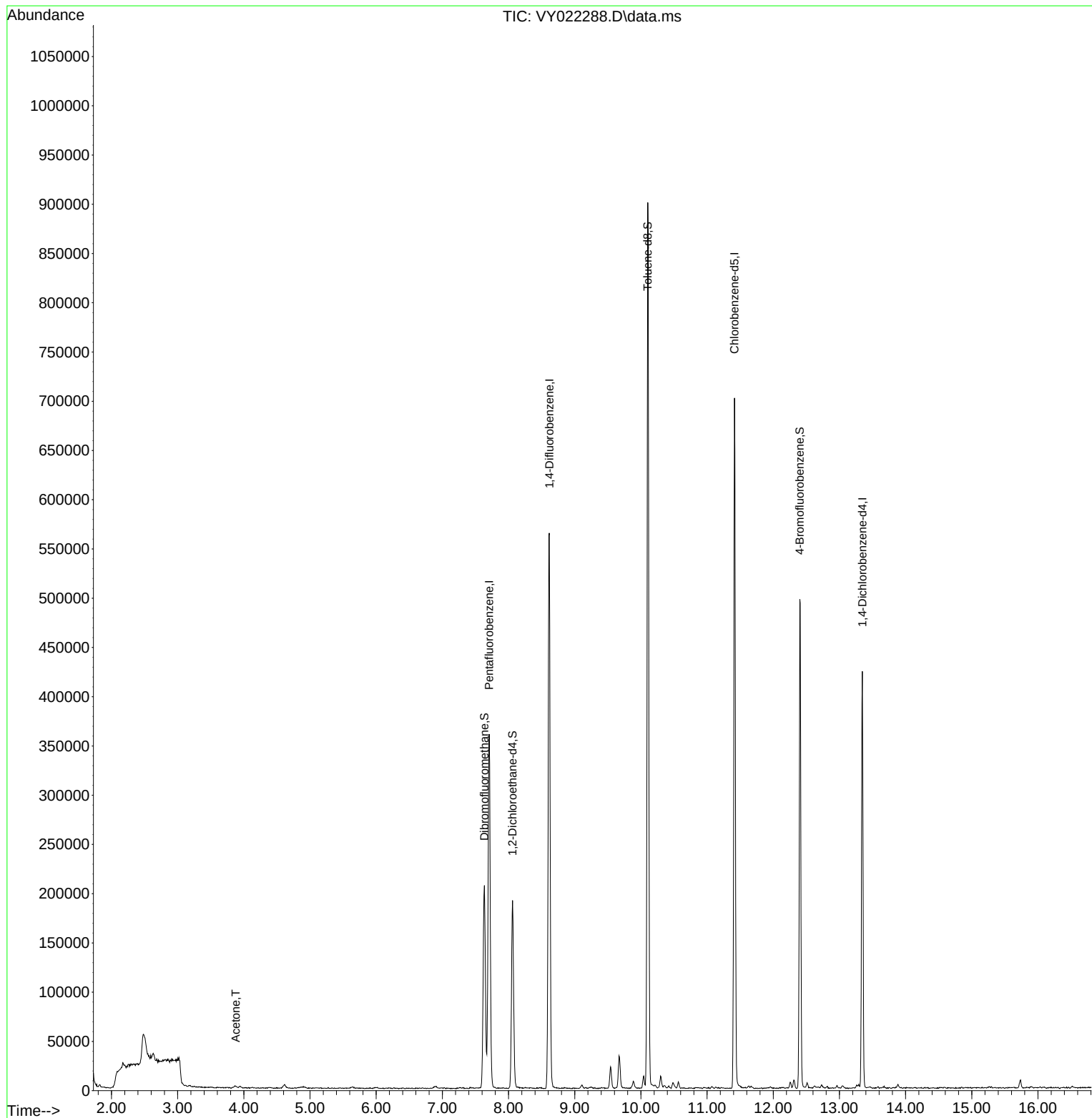
Internal Standards						
1) Pentafluorobenzene	7.707	168	273129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	474491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142878	47.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.634	113	140680	49.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.103	98	558787	48.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.401	95	144300	39.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.500%
Target Compounds						
16) Acetone	3.879	43	3988	7.125	ug/l	Qvalue # 89

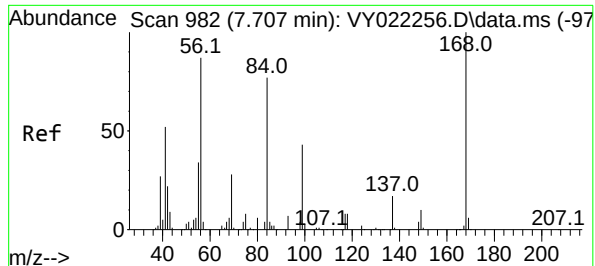
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: May 17 01:33:18 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

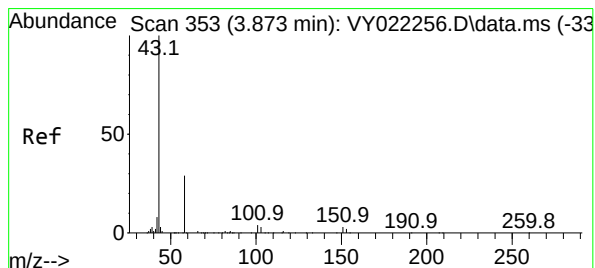
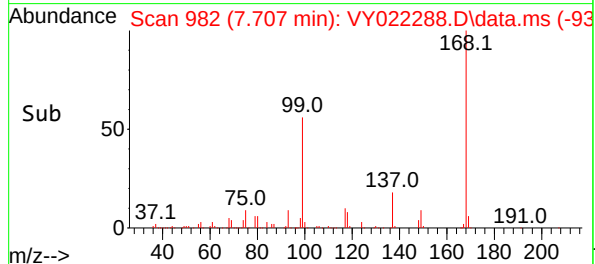
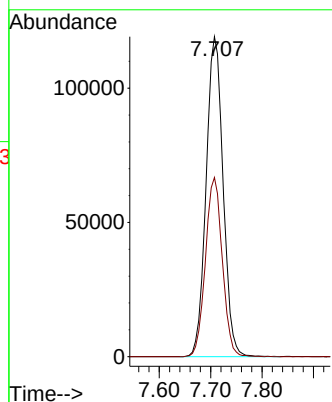
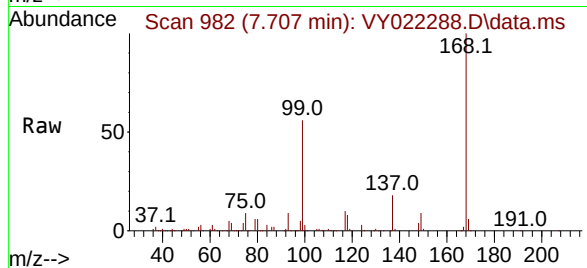




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

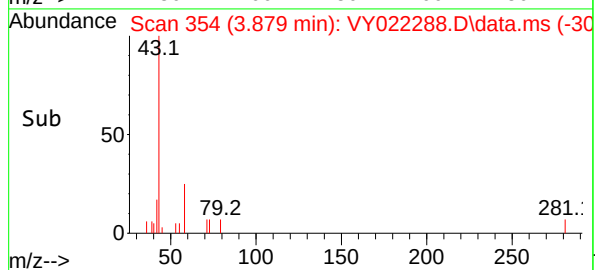
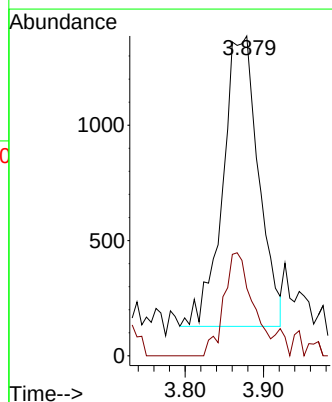
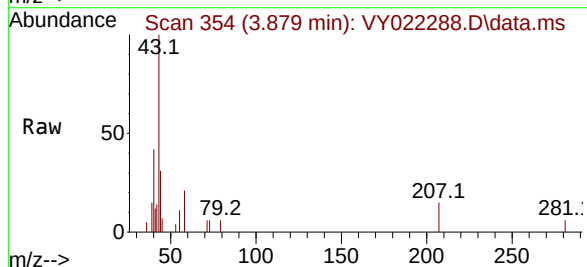
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

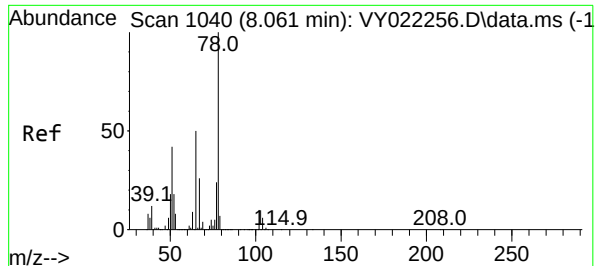
Tgt Ion:168 Resp: 273129
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 7.125 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
58 23.4 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 47.865 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

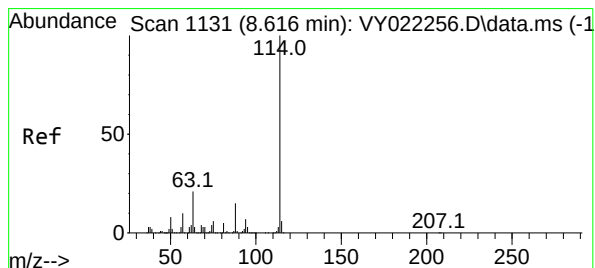
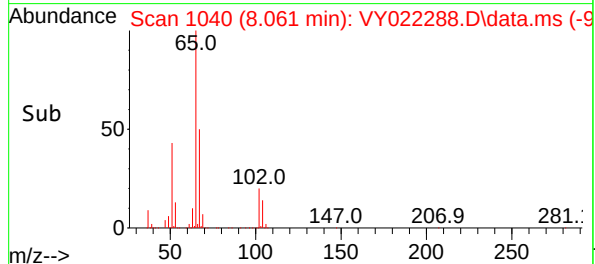
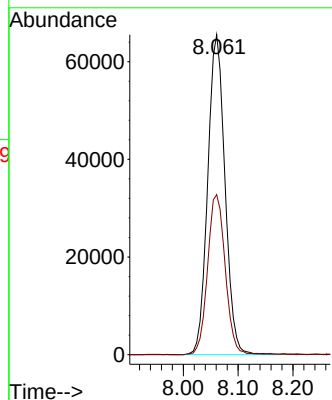
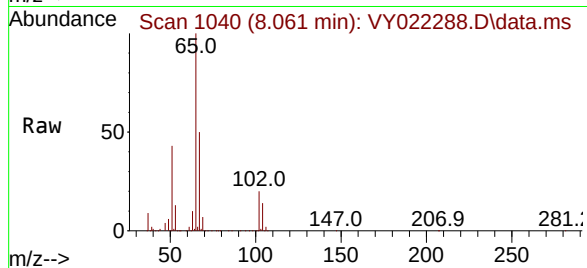
TP-3

Tgt Ion: 65 Resp: 142878

Ion Ratio Lower Upper

65 100

67 51.2 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: VY022288.D

Acq: 16 May 2025 14:04

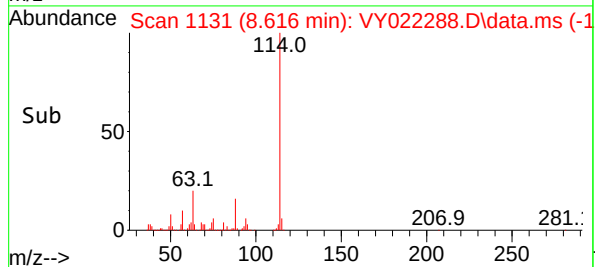
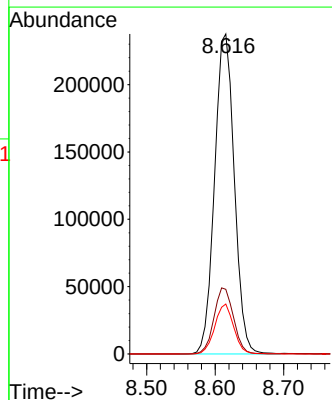
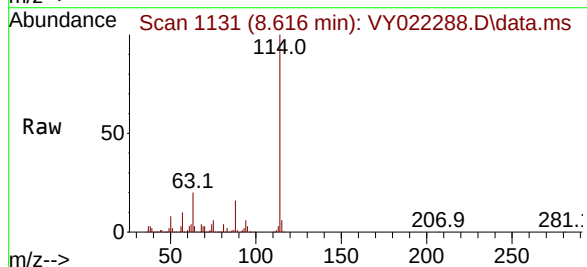
Tgt Ion: 114 Resp: 474491

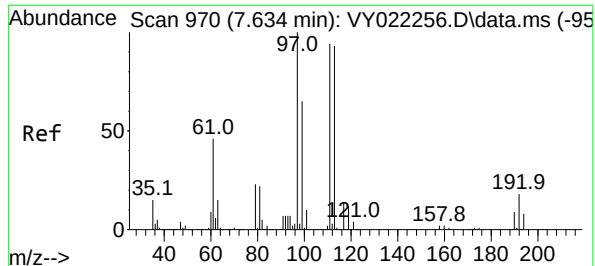
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 15.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.674 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

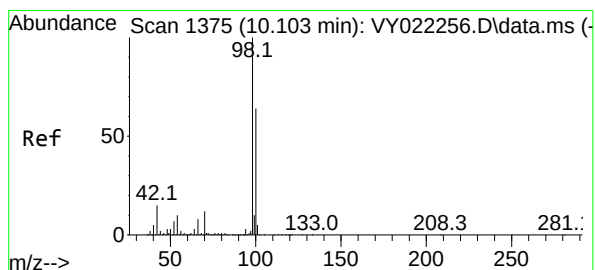
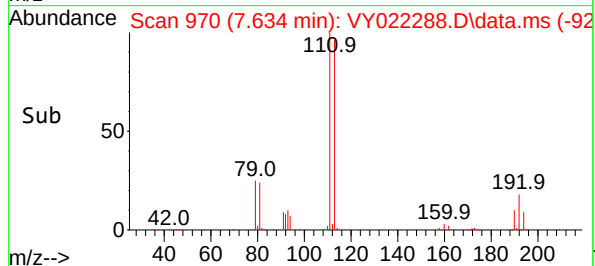
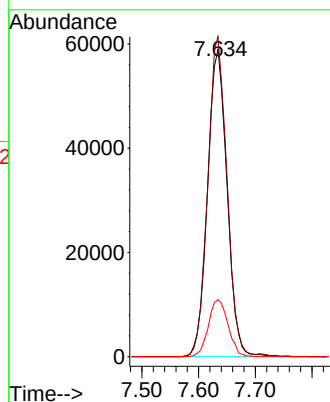
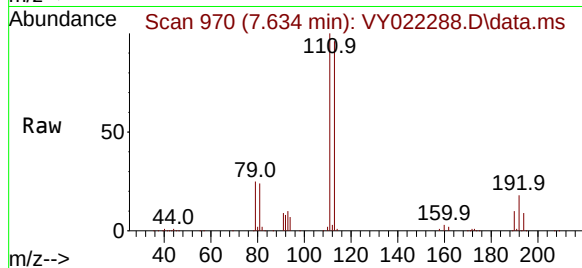
Tgt Ion:113 Resp: 140680

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 18.8 15.2 22.8



#50

Toluene-d8

Concen: 48.176 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022288.D

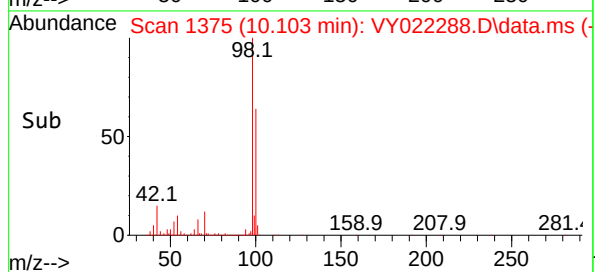
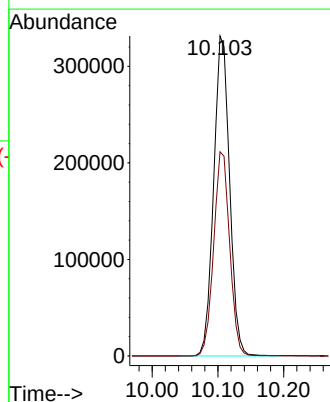
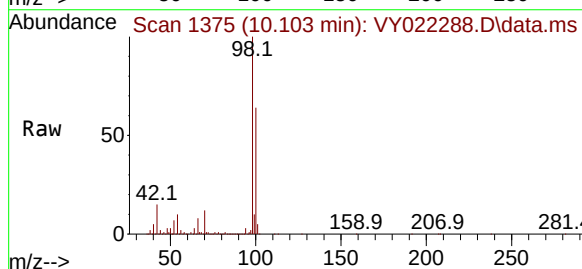
Acq: 16 May 2025 14:04

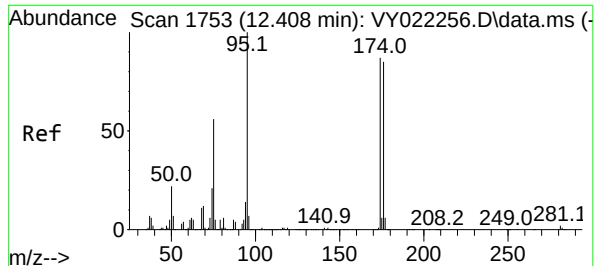
Tgt Ion: 98 Resp: 558787

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 39.250 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

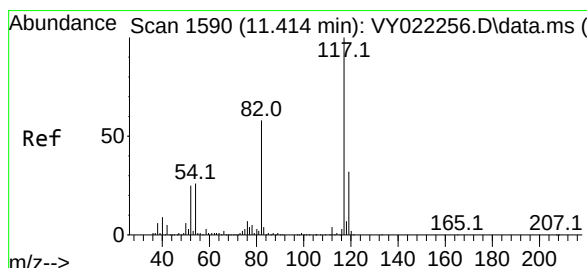
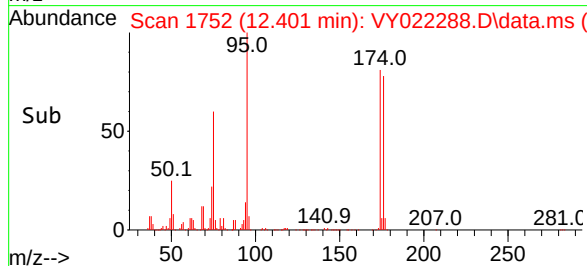
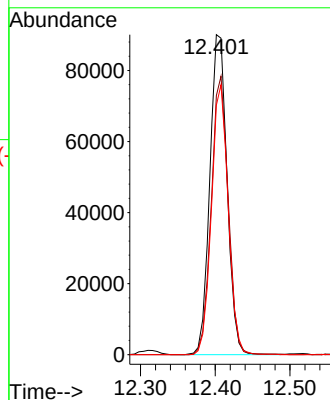
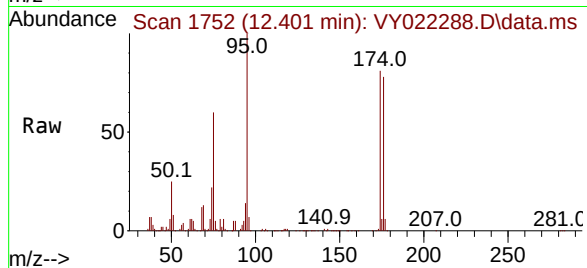
Tgt Ion: 95 Resp: 144300

Ion Ratio Lower Upper

95 100

174 85.7 0.0 166.8

176 81.9 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: VY022288.D

Acq: 16 May 2025 14:04

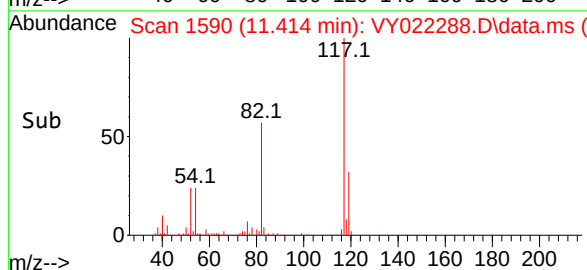
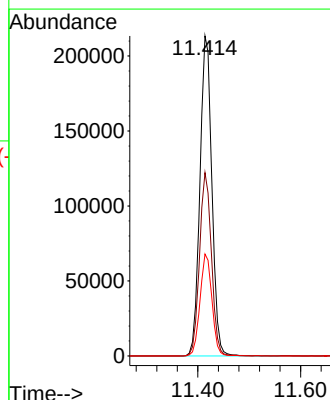
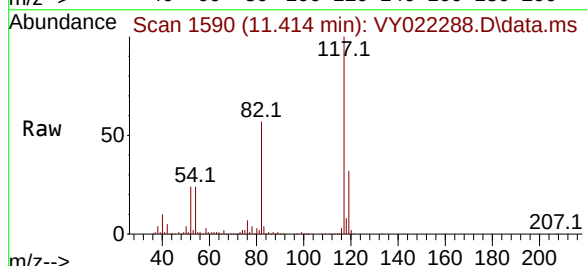
Tgt Ion: 117 Resp: 343745

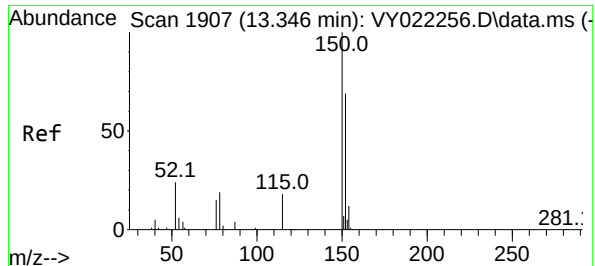
Ion Ratio Lower Upper

117 100

82 57.3 46.6 70.0

119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022288.D

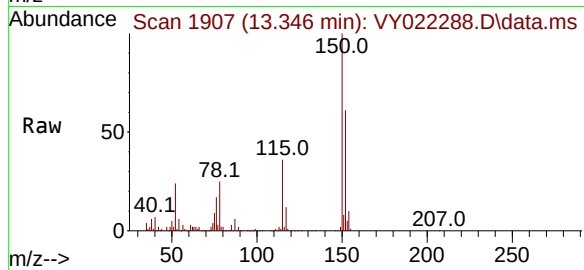
Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-3



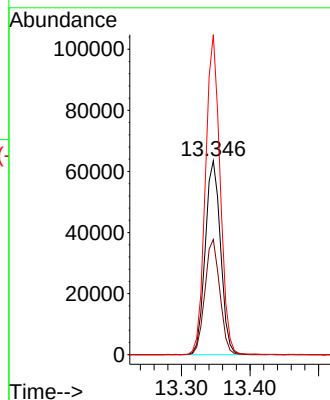
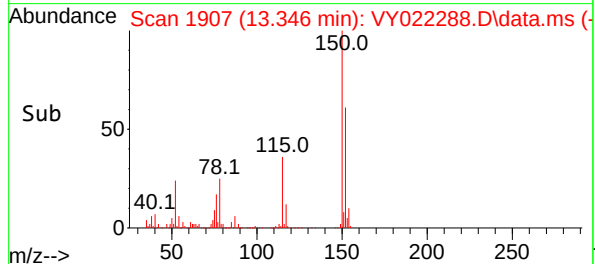
Tgt Ion:152 Resp: 98736

Ion Ratio Lower Upper

152 100

115 58.0 29.4 88.2

150 158.4 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022288.D
 Acq On : 16 May 2025 14:04
 Operator : SY/MD
 Sample : Q1982-03
 Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

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: VY022288.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	50	60	61	rBV3	15905	36989	2.43%	0.505%
2	2.482	118	125	138	rBV8	26549	110933	7.29%	1.513%
3	7.634	960	970	976	rBV	205557	490408	32.23%	6.689%
4	7.707	976	982	995	rVB	358881	807878	53.09%	11.019%
5	8.061	1029	1040	1051	rBV	191070	421800	27.72%	5.753%
6	8.616	1121	1131	1142	rBV	564003	1136441	74.68%	15.501%
7	9.542	1276	1283	1293	rVB	21609	42204	2.77%	0.576%
8	9.670	1293	1304	1313	rBV2	32798	69148	4.54%	0.943%
9	9.884	1333	1339	1349	rVB5	7293	15581	1.02%	0.213%
10	10.042	1358	1365	1369	rBV	12346	22283	1.46%	0.304%
11	10.103	1369	1375	1391	rVB	897659	1521767	100.00%	20.757%
12	10.298	1399	1407	1413	rBV5	12137	22367	1.47%	0.305%
13	11.414	1582	1590	1600	rBV	701108	1140512	74.95%	15.557%
14	12.310	1732	1737	1745	rVB4	8566	15387	1.01%	0.210%
15	12.401	1745	1752	1765	rBV	496521	810244	53.24%	11.052%
16	13.346	1901	1907	1917	rVB	422883	651612	42.82%	8.888%
17	15.736	2292	2299	2305	rVB7	8357	15847	1.04%	0.216%

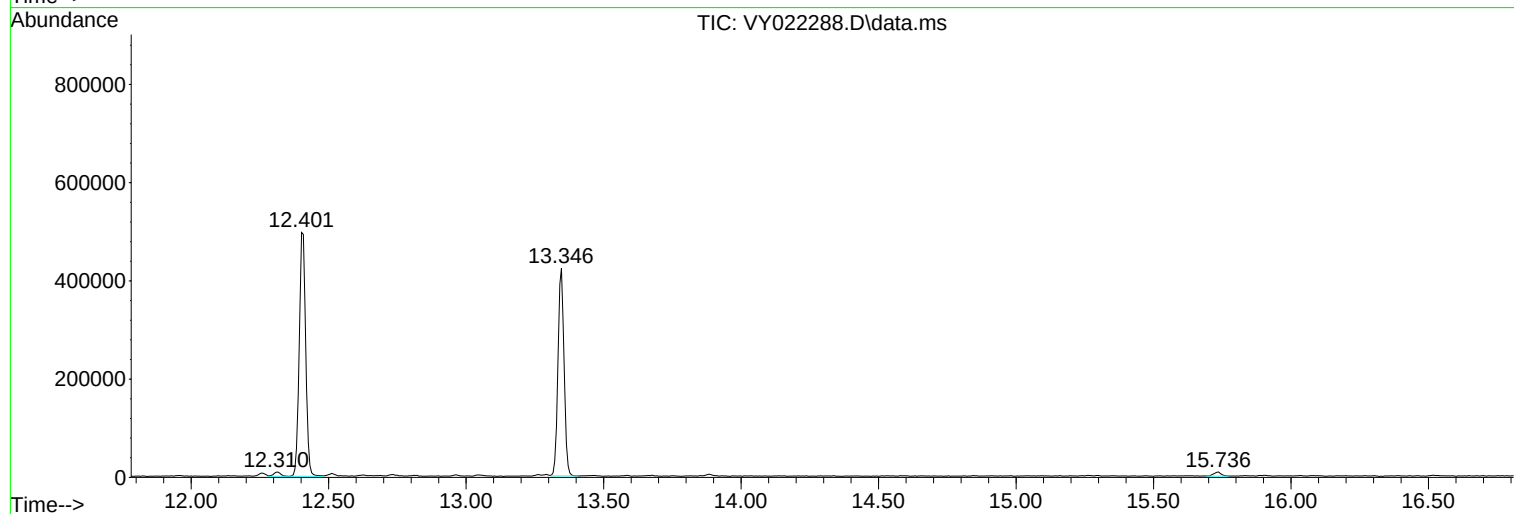
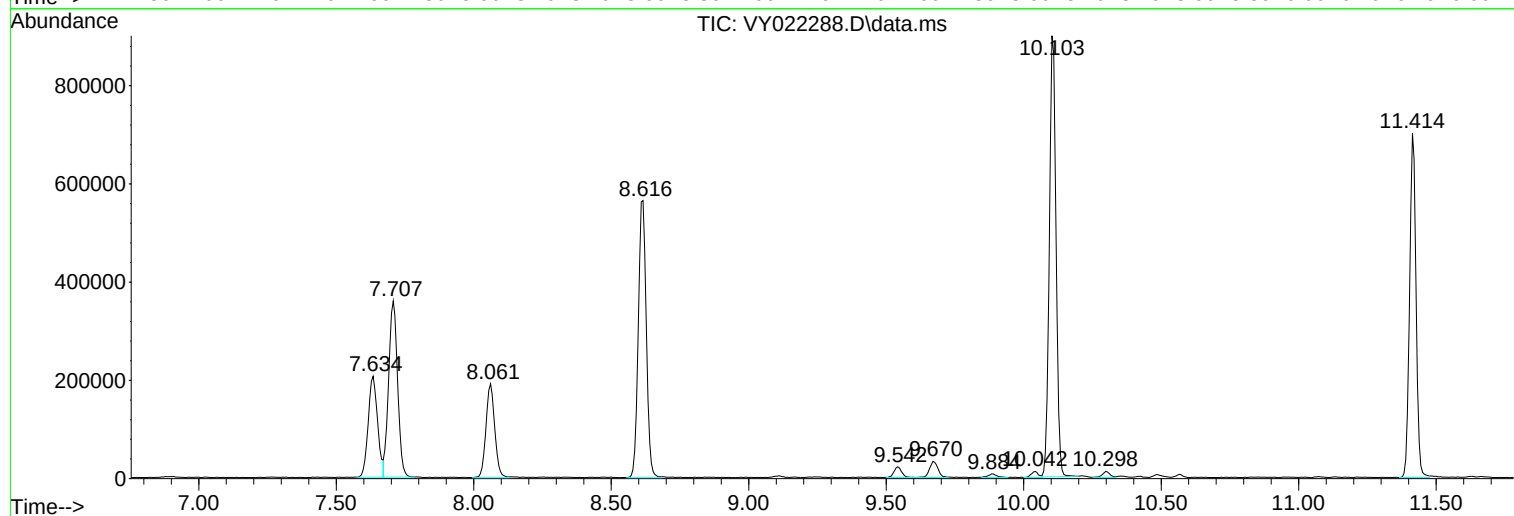
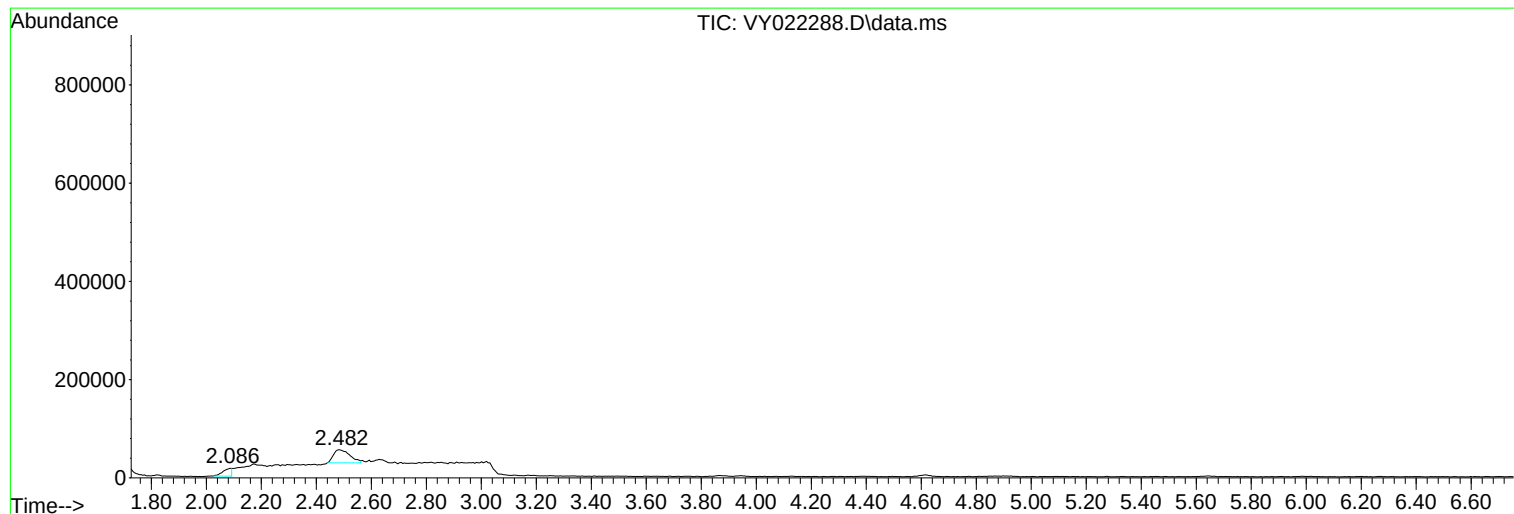
Sum of corrected areas: 7331401

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

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\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

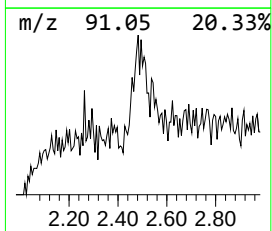
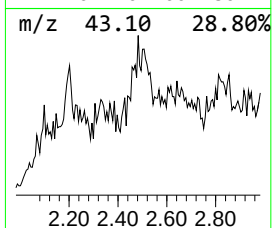
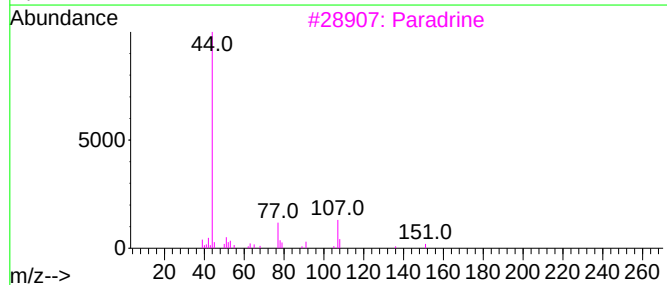
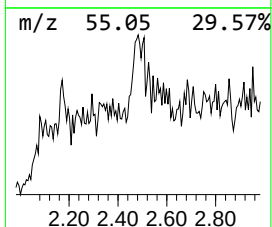
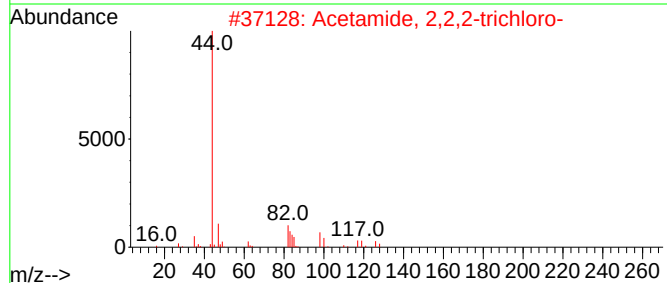
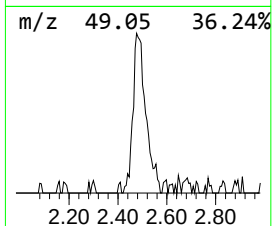
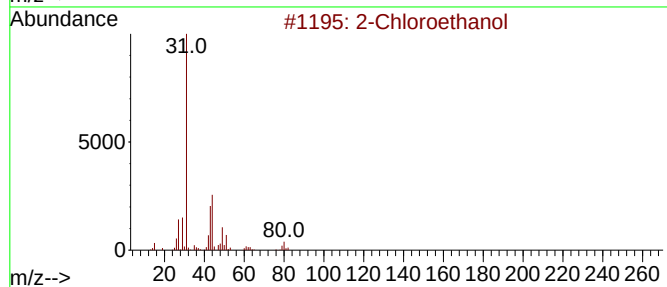
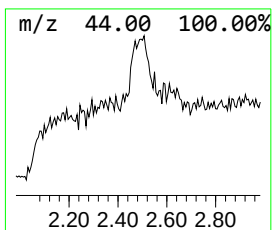
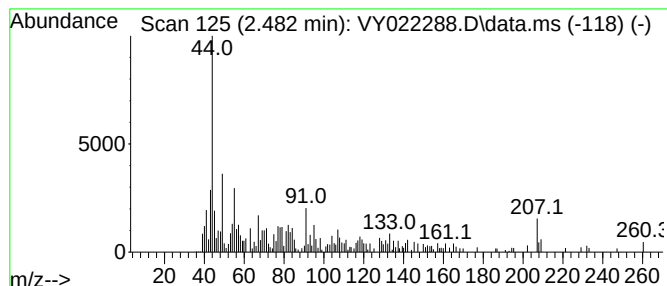
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Chloroethanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.482	6.87 ug/l	110933	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Chloroethanol	80	C2H5ClO	000107-07-3	59
2			Acetamide, 2,2,2-trichloro-	161	C2H2Cl3NO	000594-65-0	35
3			Paradrine	151	C9H13NO	000103-86-6	27
4			(-)-Norephedrine	151	C9H13NO	000492-41-1	27
5			2-Amino-1-(o-methoxyphenyl)propane	165	C10H15NO	015402-84-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 11.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

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
2-Chloroethanol	2.482	6.9	ug/l	110933	1	7.707	807878	50.0

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.56	U	0.56	2.40	ug/Kg
74-87-3	Chloromethane	0.56	U	0.56	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.39	U	0.39	2.40	ug/Kg
74-83-9	Bromomethane	0.52	U	0.52	2.40	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.49	U	0.49	2.40	ug/Kg
67-64-1	Acetone	20.5		2.30	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.52	U	0.52	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.40	ug/Kg
79-20-9	Methyl Acetate	0.75	U	0.75	2.40	ug/Kg
75-09-2	Methylene Chloride	1.70	U	1.70	4.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42	U	0.42	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	0.39	2.40	ug/Kg
110-82-7	Cyclohexane	0.39	U	0.39	2.40	ug/Kg
78-93-3	2-Butanone	3.20	U	3.20	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.37	U	0.37	2.40	ug/Kg
74-97-5	Bromochloromethane	0.56	U	0.56	2.40	ug/Kg
67-66-3	Chloroform	0.41	U	0.41	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.46	U	0.46	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.45	U	0.45	2.40	ug/Kg
71-43-2	Benzene	0.39	U	0.39	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.39	U	0.39	2.40	ug/Kg
79-01-6	Trichloroethene	0.40	U	0.40	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.80	U	1.80	12.2	ug/Kg
108-88-3	Toluene	0.38	U	0.38	2.40	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.32	U	0.32	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.30	U	0.30	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	2.40	ug/Kg
591-78-6	2-Hexanone	1.80	U	1.80	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.43	U	0.43	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	0.43	2.40	ug/Kg
127-18-4	Tetrachloroethene	0.51	U	0.51	2.40	ug/Kg
108-90-7	Chlorobenzene	0.45	U	0.45	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.61	U	0.61	4.90	ug/Kg
95-47-6	o-Xylene	0.40	U	0.40	2.40	ug/Kg
100-42-5	Styrene	0.35	U	0.35	2.40	ug/Kg
75-25-2	Bromoform	0.42	U	0.42	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.38	U	0.38	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	0.59	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.84	U	0.84	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.76	U	0.76	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.71	U	0.71	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.90	U	0.90	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.50	U	1.50	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		38 - 136	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.707			
540-36-3	1,4-Difluorobenzene	528000	8.609			
3114-55-4	Chlorobenzene-d5	395000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	11.69 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
VY022272.D	1		05/15/25 18:19	VY051525

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\VY051525\
 Data File : VY022272.D
 Acq On : 15 May 2025 18:19
 Operator : SY/MD
 Sample : Q1982-04
 Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: May 16 01:59:28 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)

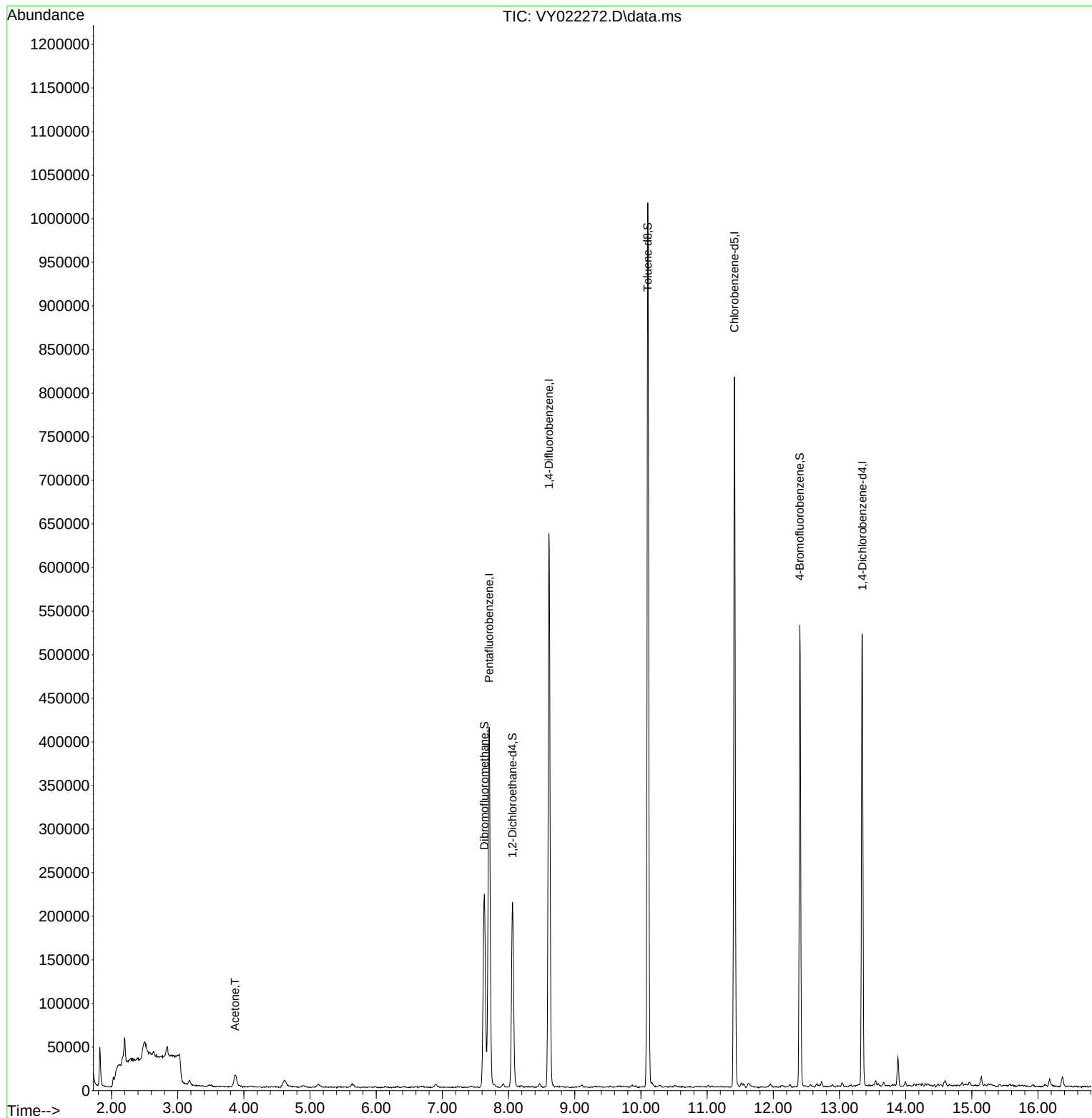
Internal Standards						
1) Pentafluorobenzene	7.707	168	303248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	528458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158040	47.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.380%
35) Dibromofluoromethane	7.634	113	154540	48.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.000%
50) Toluene-d8	10.103	98	622264	48.170	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.401	95	146308	35.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.460%
Target Compounds						
16) Acetone	3.866	43	26014	41.861	ug/l	98

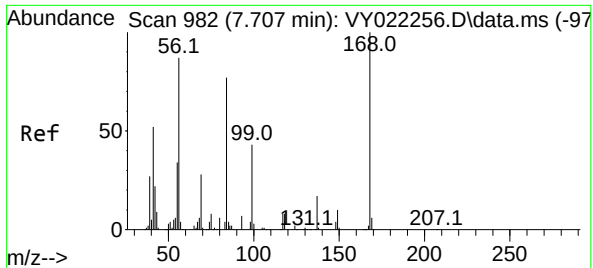
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Time: May 16 01:59:28 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

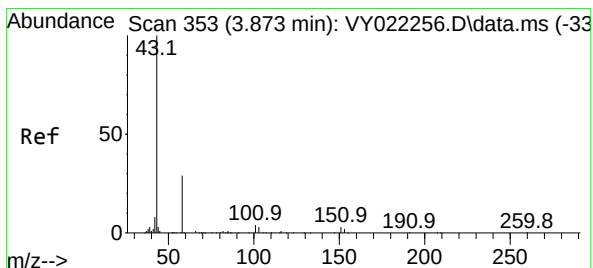
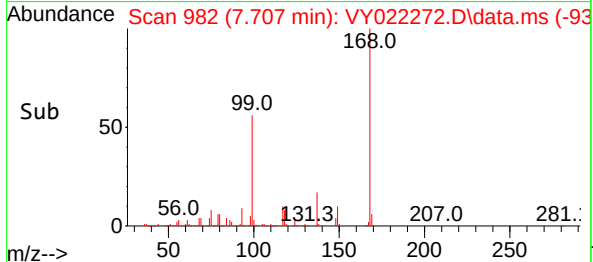
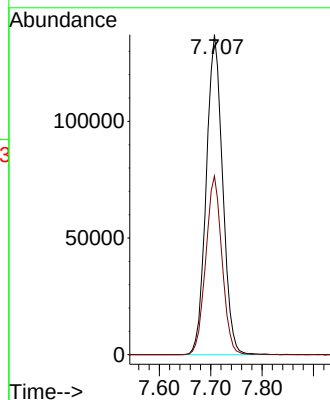
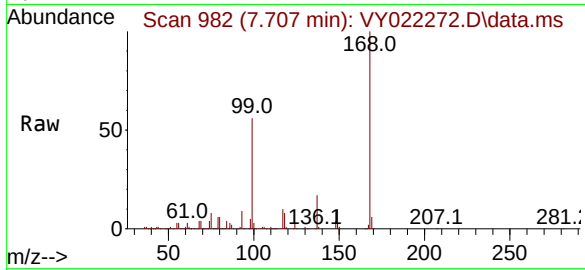




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

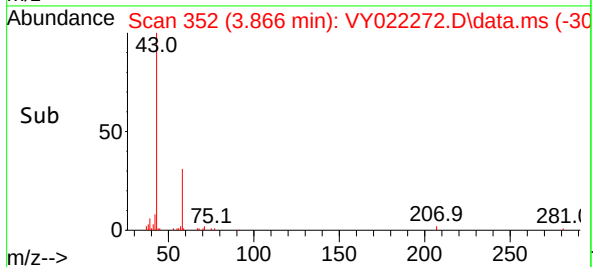
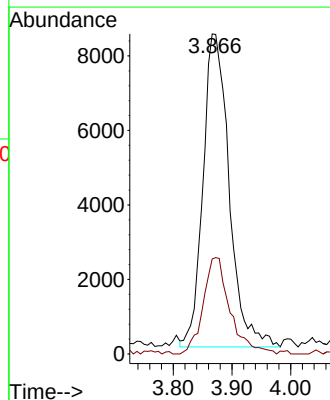
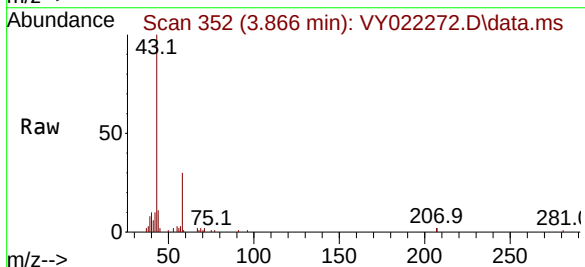
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

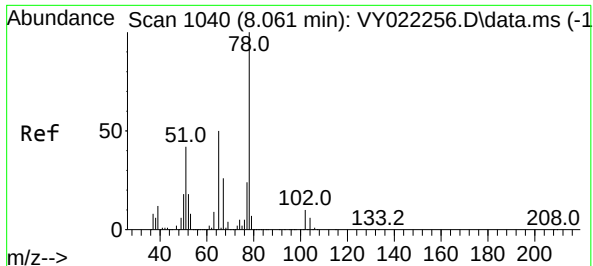
Tgt Ion:168 Resp: 303248
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#16
Acetone
Concen: 41.861 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 43 Resp: 26014
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 8.061 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

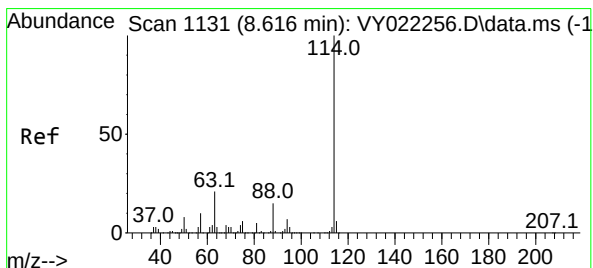
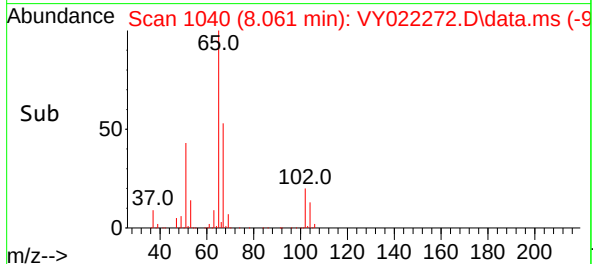
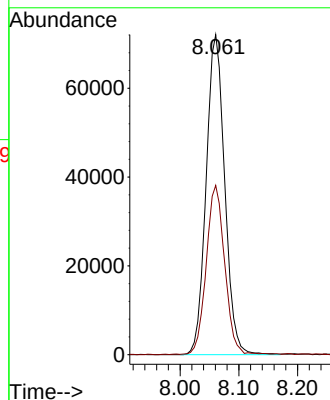
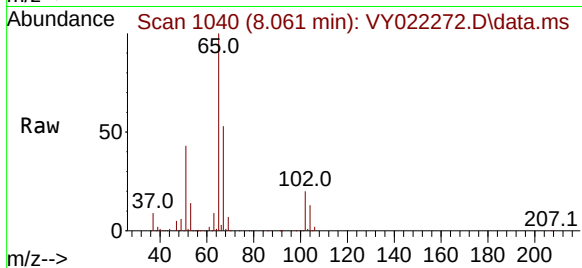
TP-4

Tgt Ion: 65 Resp: 158040

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

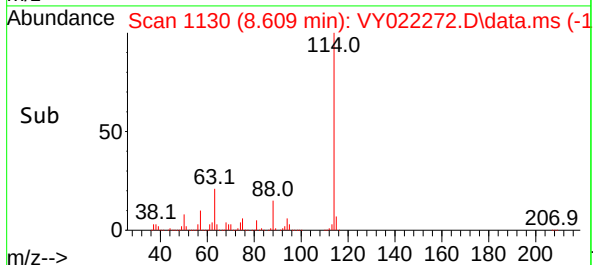
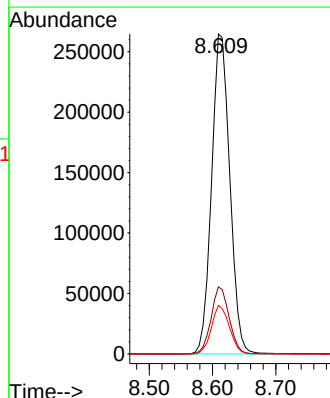
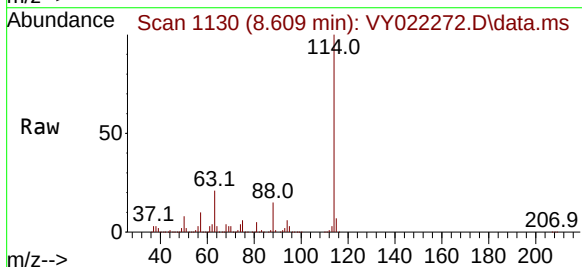
Tgt Ion: 114 Resp: 528458

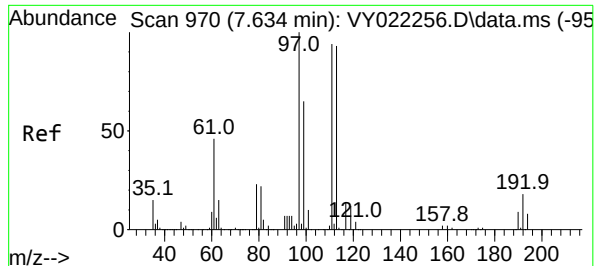
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

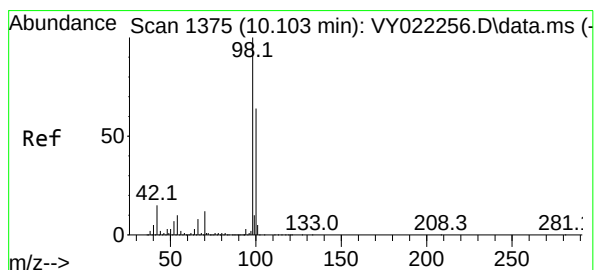
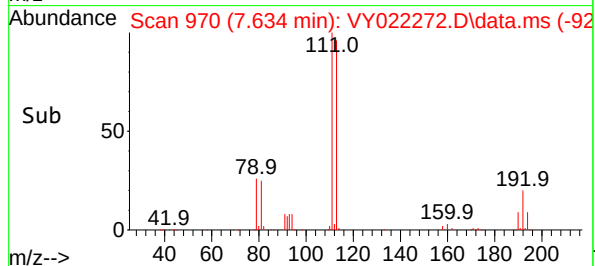
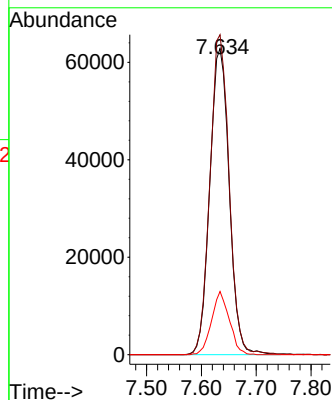
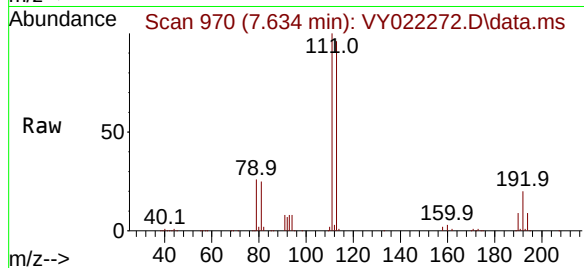
Tgt Ion:113 Resp: 154540

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 18.9 15.2 22.8



#50

Toluene-d8

Concen: 48.170 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022272.D

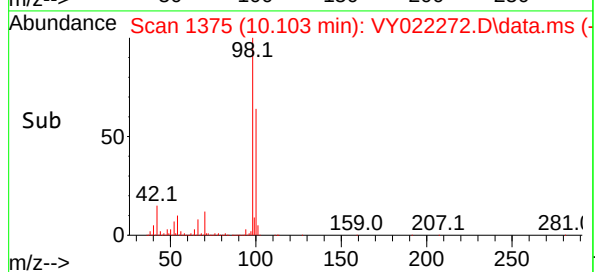
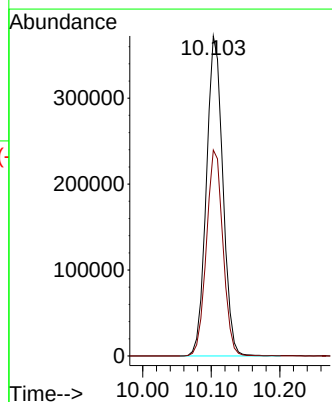
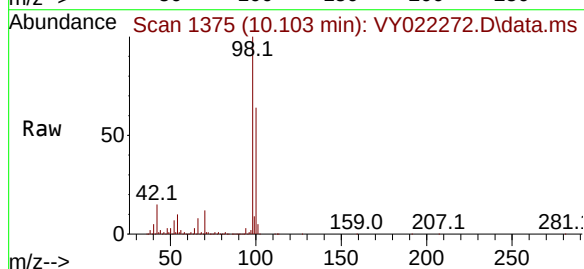
Acq: 15 May 2025 18:19

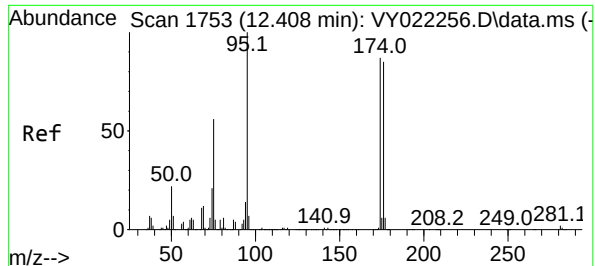
Tgt Ion: 98 Resp: 622264

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 35.732 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

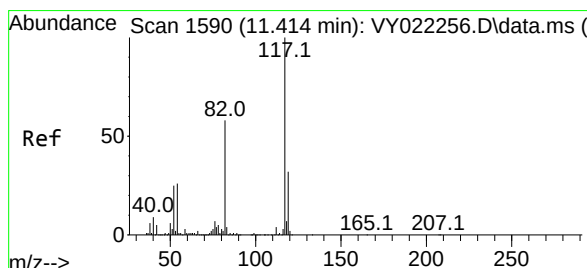
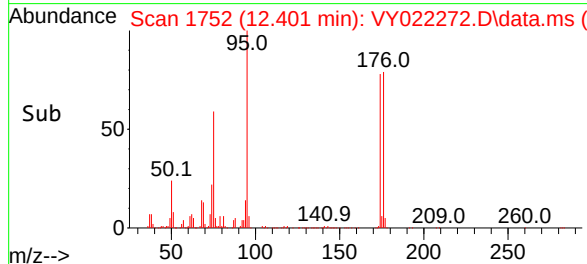
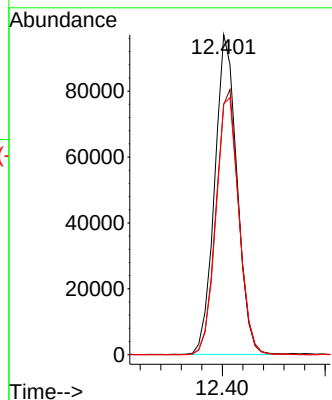
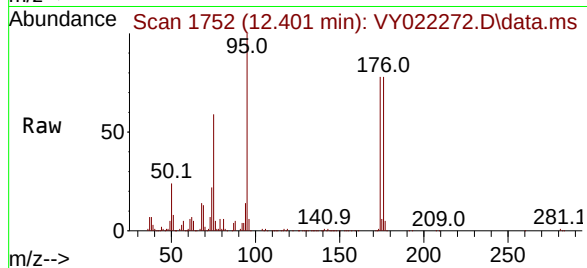
Tgt Ion: 95 Resp: 146308

Ion Ratio Lower Upper

95 100

174 84.3 0.0 166.8

176 82.7 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: VY022272.D

Acq: 15 May 2025 18:19

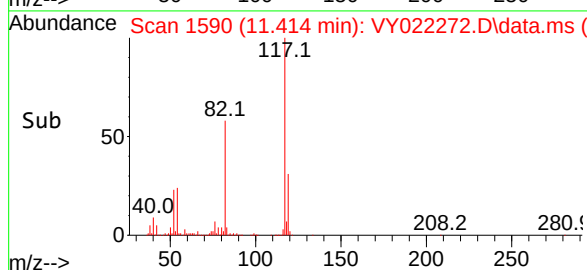
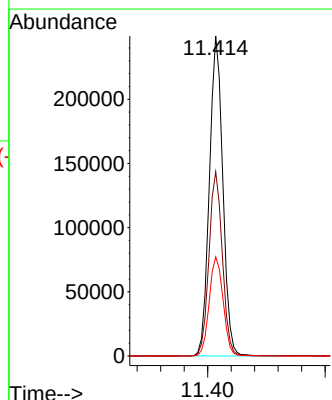
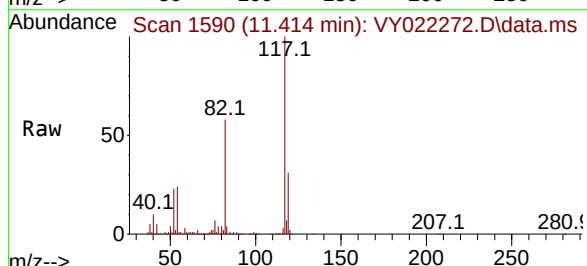
Tgt Ion: 117 Resp: 395320

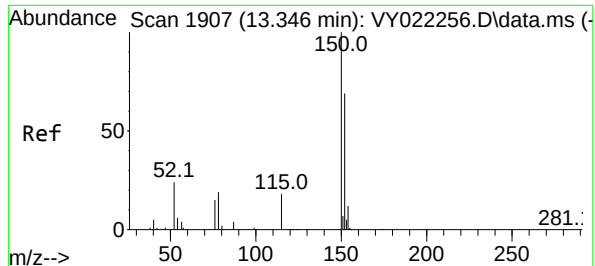
Ion Ratio Lower Upper

117 100

82 57.5 46.6 70.0

119 30.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022272.D

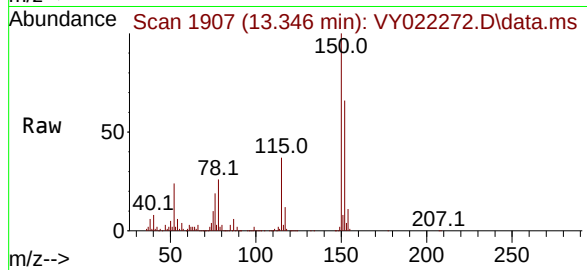
Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-4



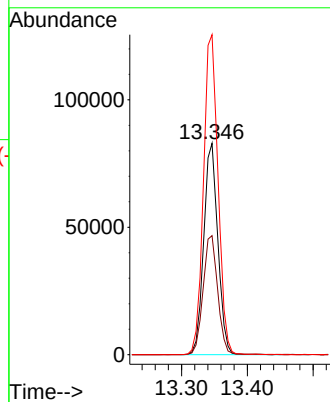
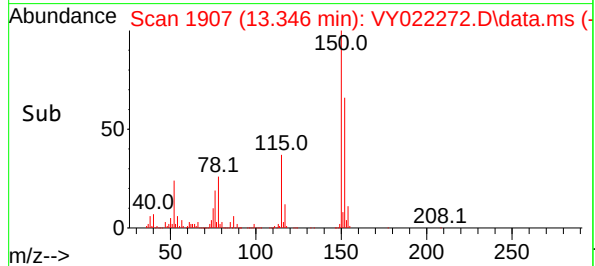
Tgt Ion:152 Resp: 123883

Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 156.1 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022272.D
 Acq On : 15 May 2025 18:19
 Operator : SY/MD
 Sample : Q1982-04
 Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

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: VY022272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	27	rVB	44718	61163	3.58%	0.748%
2	2.110	52	64	65	rVV5	17154	55126	3.23%	0.674%
3	2.196	70	78	83	rVV	30644	75880	4.44%	0.928%
4	3.866	342	352	361	rBV2	13389	41798	2.45%	0.511%
5	4.616	465	475	482	rBV5	8356	30707	1.80%	0.376%
6	7.634	956	970	976	rBV	222089	547325	32.06%	6.693%
7	7.707	976	982	995	rVB	410890	899037	52.66%	10.994%
8	8.061	1031	1040	1053	rBV	211602	466483	27.32%	5.705%
9	8.609	1122	1130	1144	rVB	634939	1261427	73.88%	15.426%
10	10.103	1366	1375	1383	rBV	1014580	1707354	100.00%	20.879%
11	11.414	1582	1590	1603	rBV	814798	1310219	76.74%	16.022%
12	12.401	1746	1752	1761	rBV	529291	811607	47.54%	9.925%
13	13.346	1900	1907	1916	rVB	517504	810936	47.50%	9.917%
14	13.883	1990	1995	2001	rVB	33864	55270	3.24%	0.676%
15	15.145	2196	2202	2208	rVB2	10647	18165	1.06%	0.222%
16	16.370	2397	2403	2410	rVB4	11296	24895	1.46%	0.304%

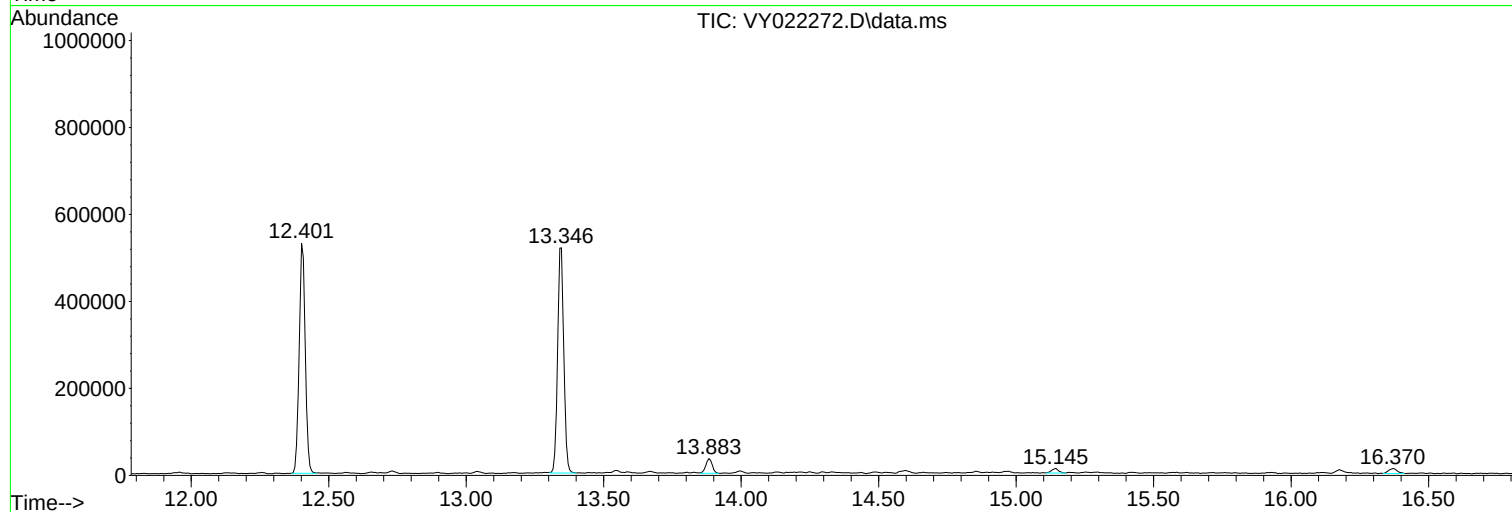
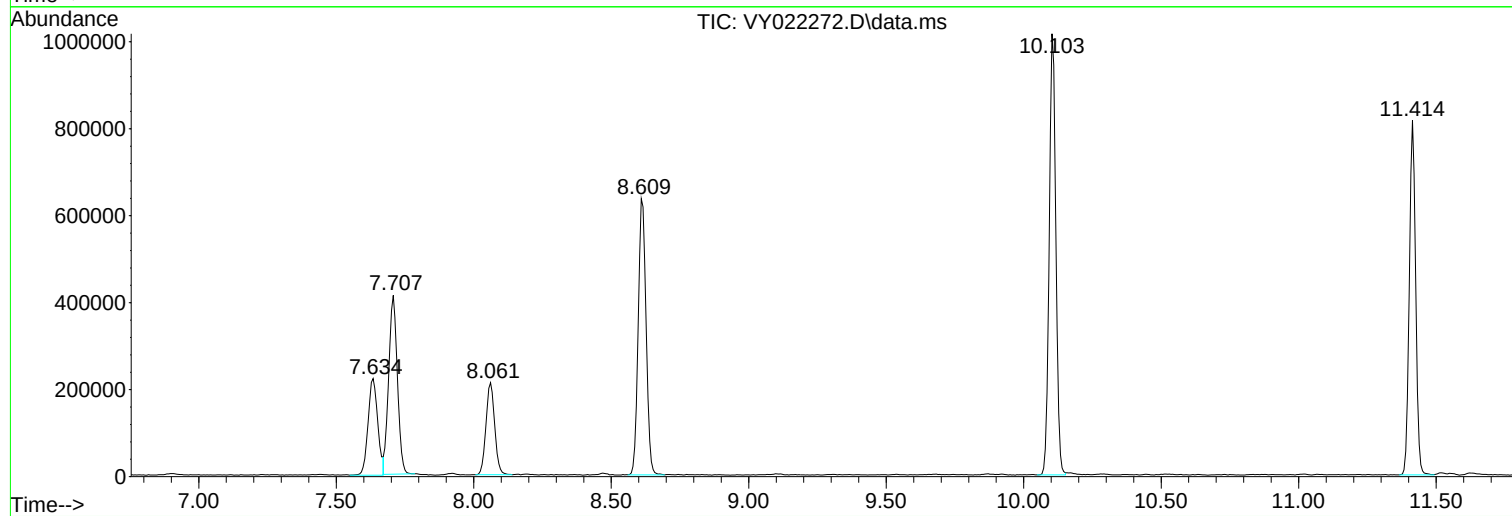
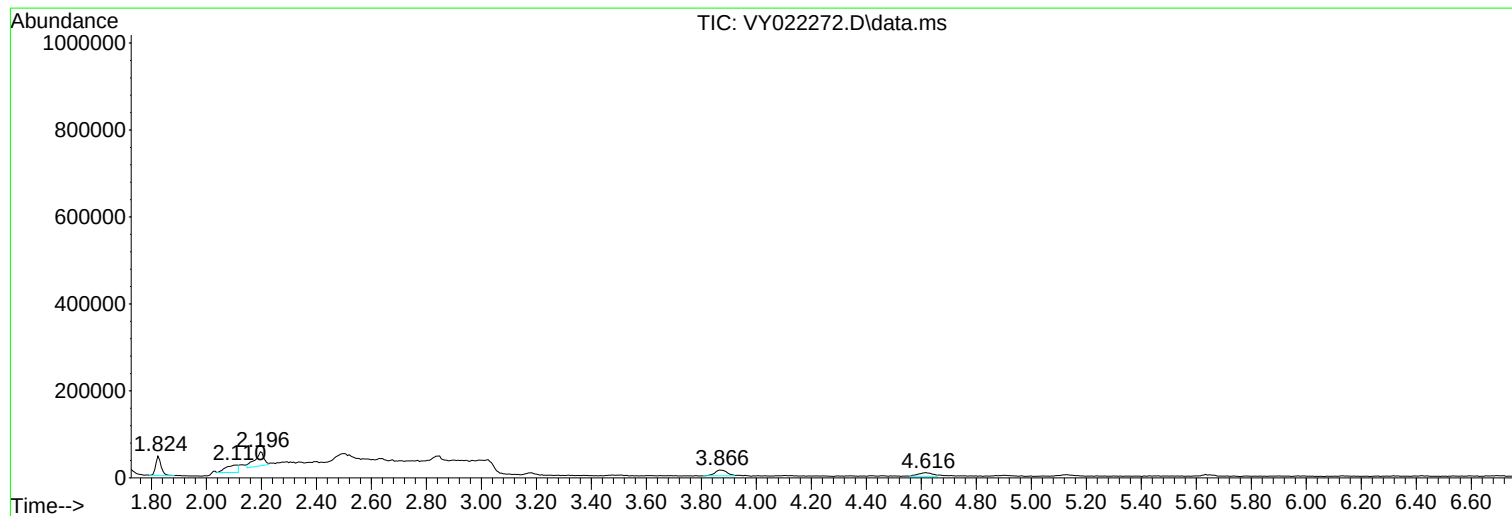
Sum of corrected areas: 8177392

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

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\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

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\VY051525\
Data File : VY022272.D
Acq On : 15 May 2025 18:19
Operator : SY/MD
Sample : Q1982-04
Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32 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
VY022273.D	1		05/15/25 18:43	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.61	U	0.61	2.70	ug/Kg
74-87-3	Chloromethane	0.61	U	0.61	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.43	U	0.43	2.70	ug/Kg
74-83-9	Bromomethane	0.58	U	0.58	2.70	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	0.57	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.54	U	0.54	2.70	ug/Kg
67-64-1	Acetone	9.40	J	2.60	13.5	ug/Kg
75-15-0	Carbon Disulfide	0.57	U	0.57	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.39	U	0.39	2.70	ug/Kg
79-20-9	Methyl Acetate	0.83	U	0.83	2.70	ug/Kg
75-09-2	Methylene Chloride	1.90	U	1.90	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	2.70	ug/Kg
110-82-7	Cyclohexane	0.43	U	0.43	2.70	ug/Kg
78-93-3	2-Butanone	3.50	U	3.50	13.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.52	U	0.52	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	0.40	2.70	ug/Kg
74-97-5	Bromochloromethane	0.62	U	0.62	2.70	ug/Kg
67-66-3	Chloroform	0.45	U	0.45	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.49	U	0.49	2.70	ug/Kg
71-43-2	Benzene	0.43	U	0.43	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.43	U	0.43	2.70	ug/Kg
79-01-6	Trichloroethene	0.44	U	0.44	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.49	U	0.49	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	0.42	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	13.5	ug/Kg
108-88-3	Toluene	0.42	U	0.42	2.70	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32	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
VY022273.D	1		05/15/25 18:43	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.35	U	0.35	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.33	U	0.33	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	2.70	ug/Kg
591-78-6	2-Hexanone	2.00	U	2.00	13.5	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	2.70	ug/Kg
127-18-4	Tetrachloroethene	0.57	U	0.57	2.70	ug/Kg
108-90-7	Chlorobenzene	0.49	U	0.49	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.36	U	0.36	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.67	U	0.67	5.40	ug/Kg
95-47-6	o-Xylene	0.44	U	0.44	2.70	ug/Kg
100-42-5	Styrene	0.38	U	0.38	2.70	ug/Kg
75-25-2	Bromoform	0.46	U	0.46	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	0.42	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.65	U	0.65	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.92	U	0.92	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.78	U	0.78	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.99	U	0.99	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.70	U	1.70	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		38 - 136	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	346000	7.707			
540-36-3	1,4-Difluorobenzene	610000	8.616			
3114-55-4	Chlorobenzene-d5	492000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.9
Sample Wt/Vol:	10.32	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
VY022273.D	1		05/15/25 18:43	VY051525

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\VY051525\
 Data File : VY022273.D
 Acq On : 15 May 2025 18:43
 Operator : SY/MD
 Sample : Q1982-05
 Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: May 16 01:59:53 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)

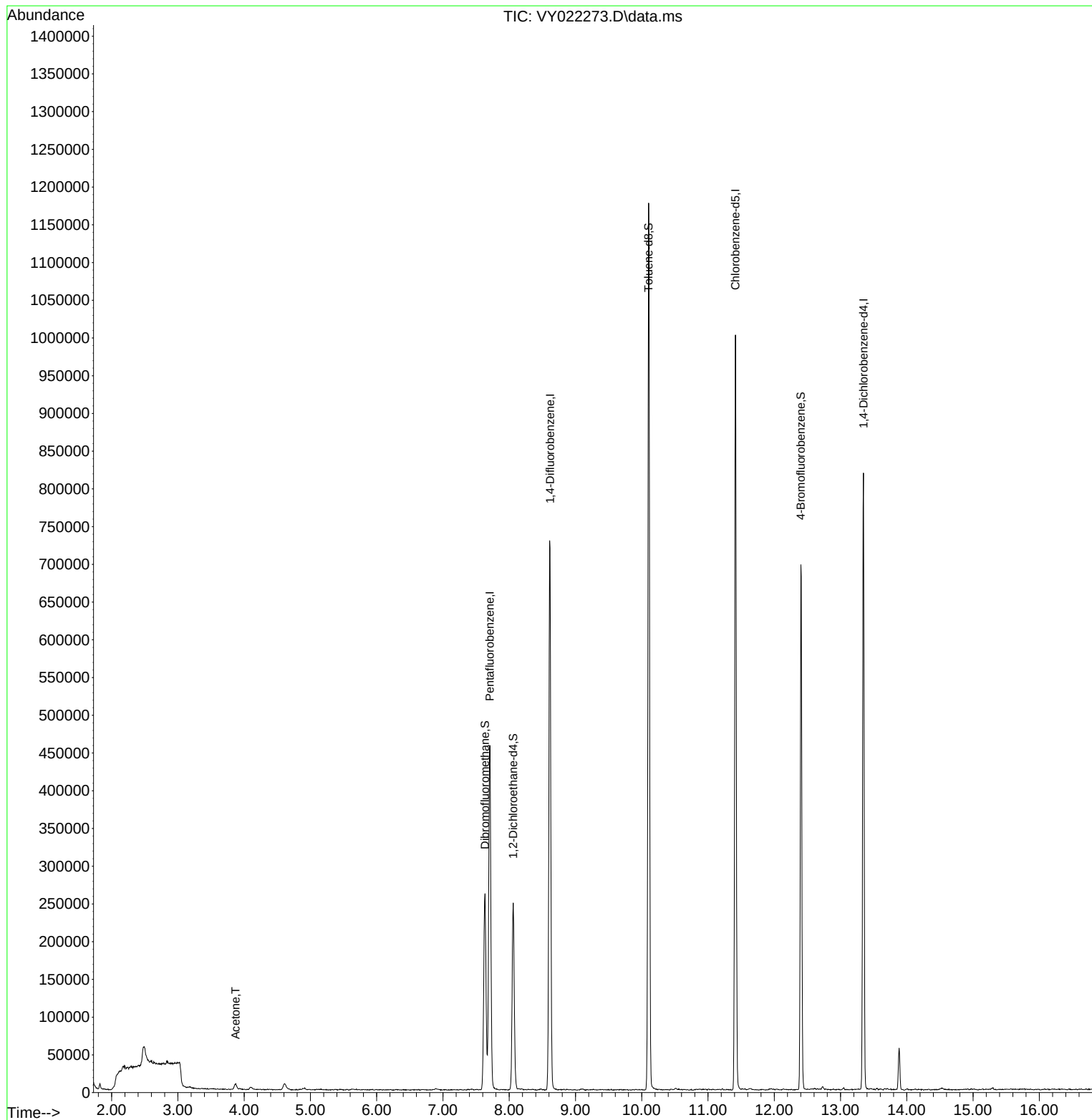
Internal Standards						
1) Pentafluorobenzene	7.707	168	345998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	610490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185906	49.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.634	113	179801	49.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	727999	48.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.402	95	197627	41.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.560%
Target Compounds						
16) Acetone	3.873	43	12337	17.399	ug/l	Qvalue # 87

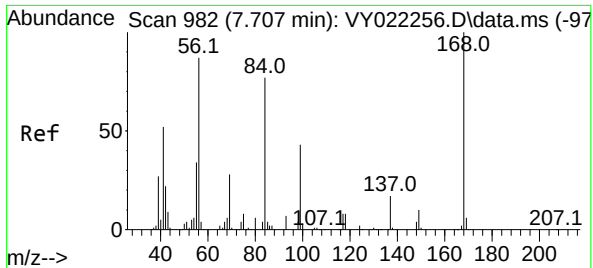
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Time: May 16 01:59:53 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

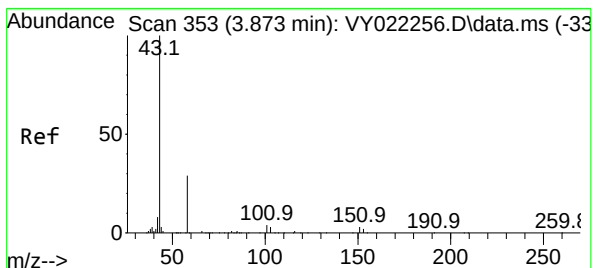
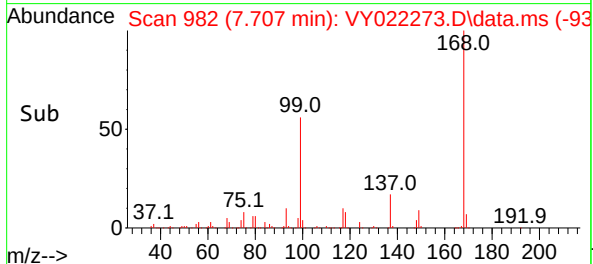
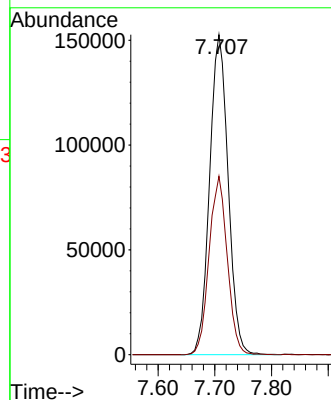
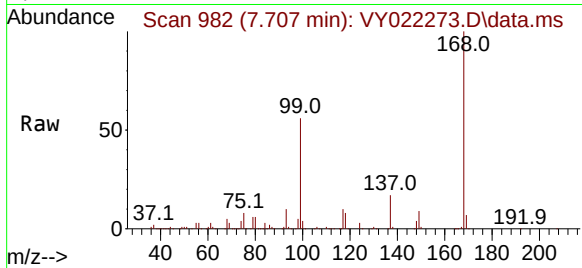




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

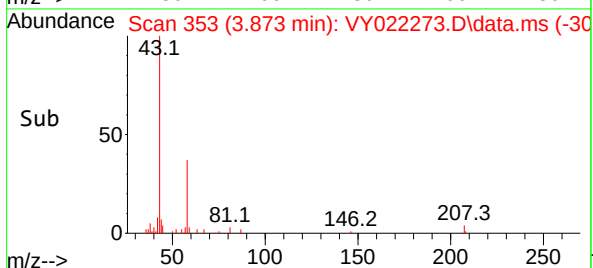
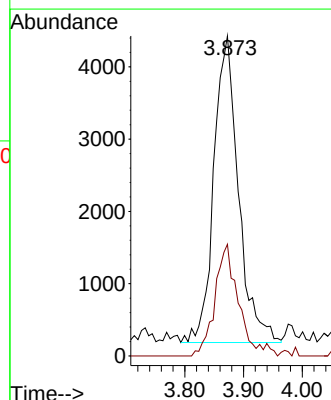
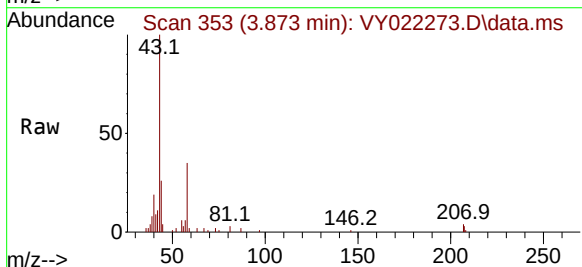
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

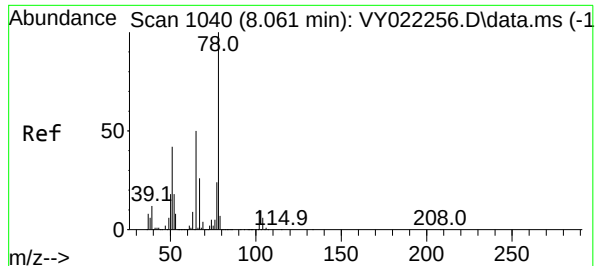
Tgt Ion:168 Resp: 345998
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#16
Acetone
Concen: 17.399 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 43 Resp: 12337
Ion Ratio Lower Upper
43 100
58 36.4 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

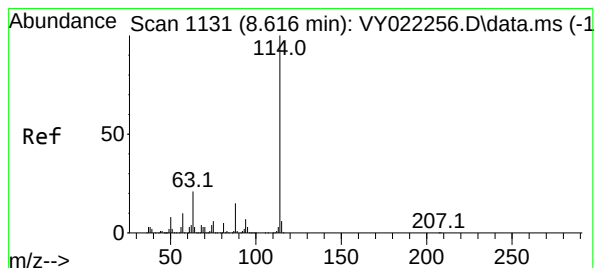
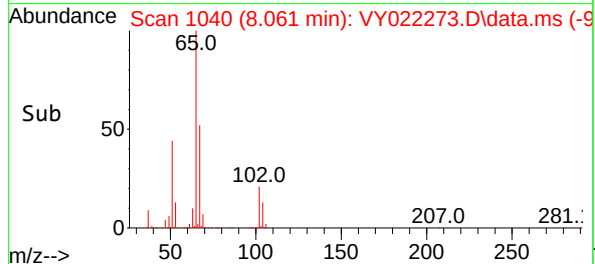
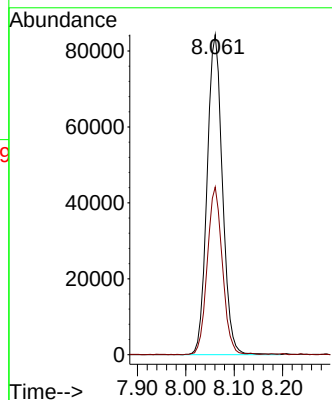
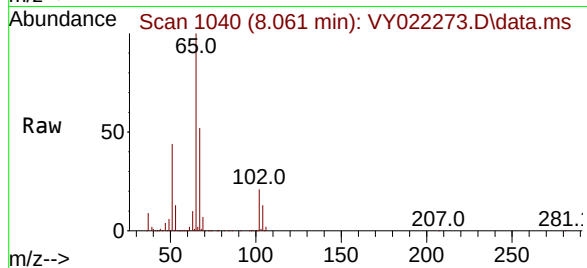
TP-5

Tgt Ion: 65 Resp: 185906

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022273.D

Acq: 15 May 2025 18:43

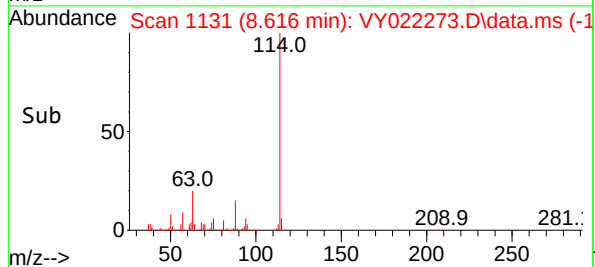
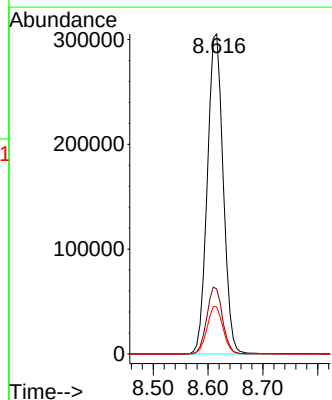
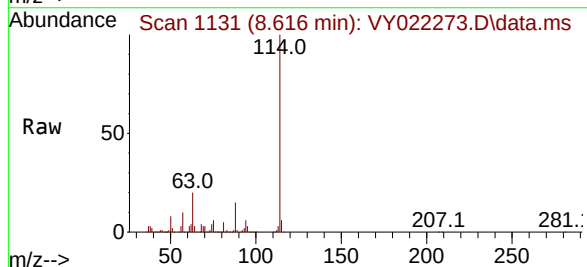
Tgt Ion:114 Resp: 610490

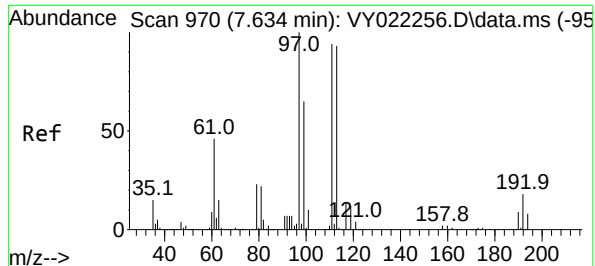
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.345 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

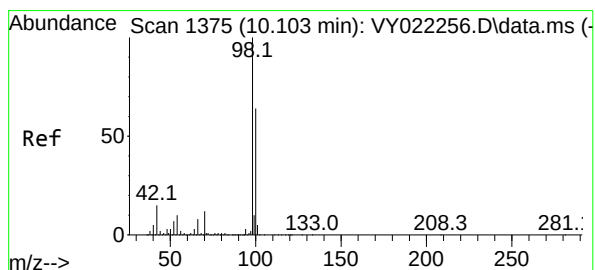
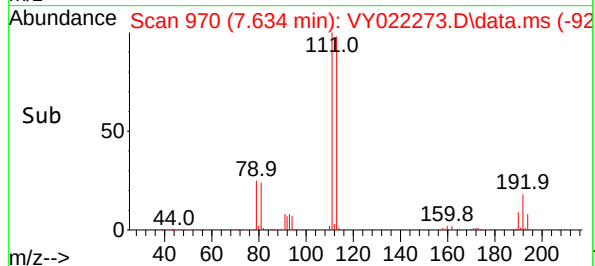
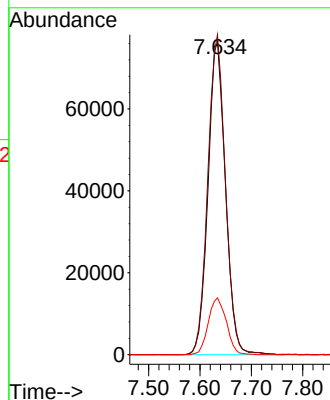
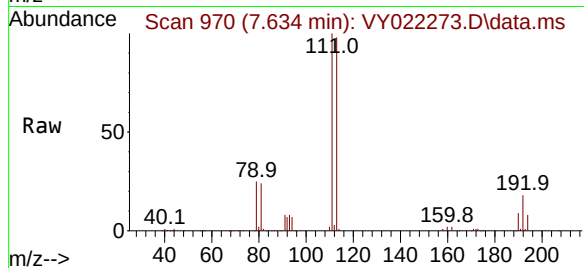
Tgt Ion:113 Resp: 179801

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 18.8 15.2 22.8



#50

Toluene-d8

Concen: 48.783 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022273.D

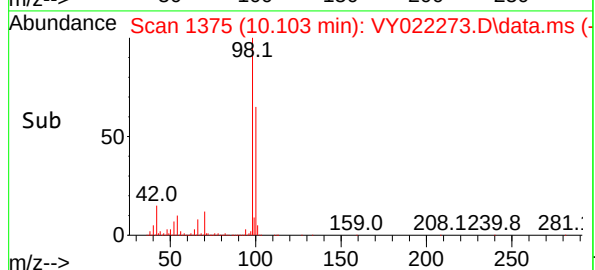
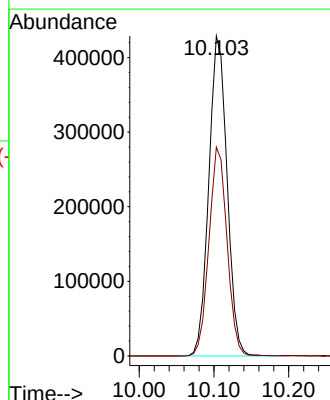
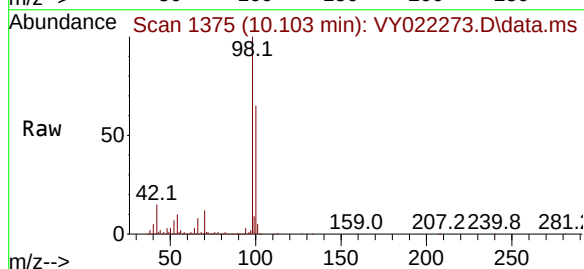
Acq: 15 May 2025 18:43

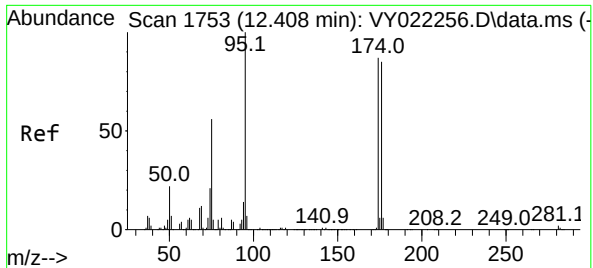
Tgt Ion: 98 Resp: 727999

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8

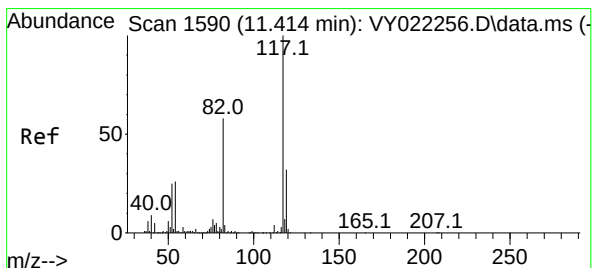
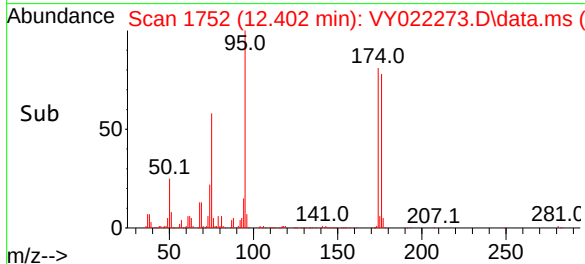
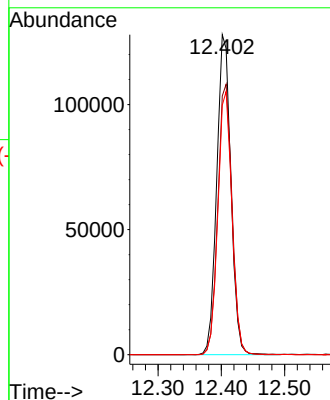
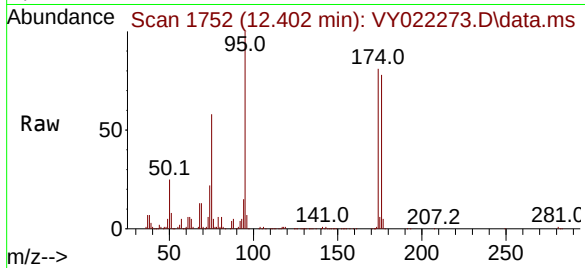




#62
4-Bromofluorobenzene
Concen: 41.780 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

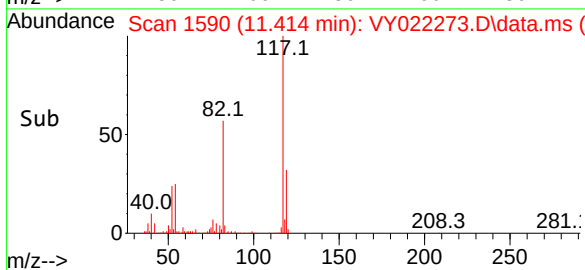
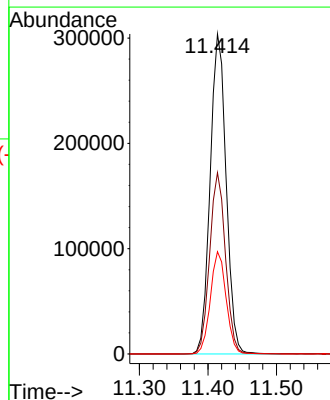
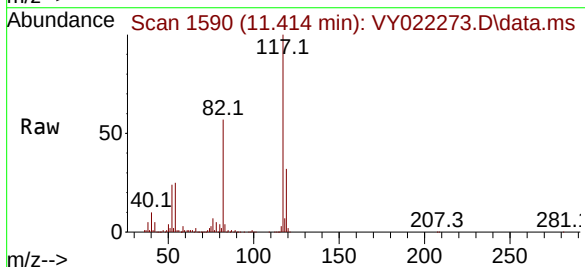
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

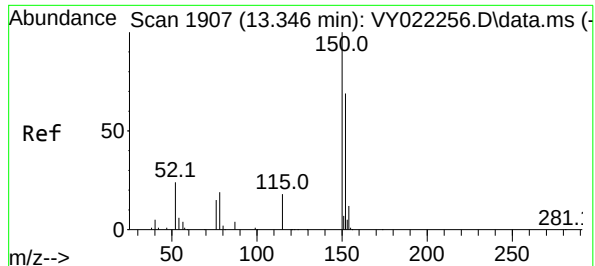
Tgt Ion: 95 Resp: 197627
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 82.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 117 Resp: 492184
Ion Ratio Lower Upper
117 100
82 56.7 46.6 70.0
119 32.0 25.8 38.6

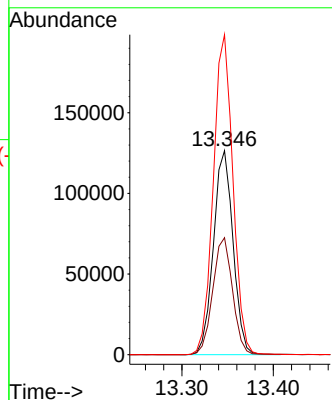
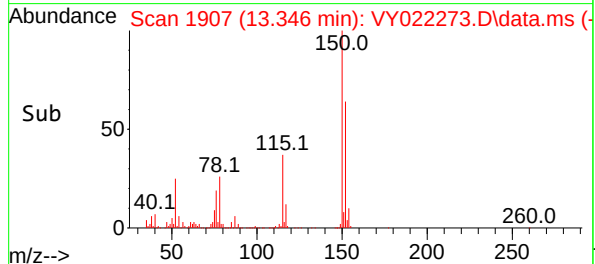
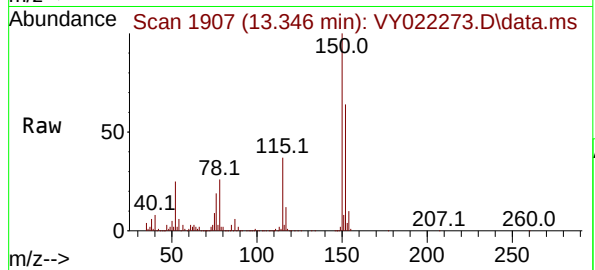




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	156.8	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

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: VY022273.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	120	126	135	rBV9	19943	64638	3.23%	0.659%
2	4.610	466	474	484	rBV3	7776	24938	1.24%	0.254%
3	7.634	959	970	976	rBV	260042	630933	31.50%	6.434%
4	7.707	976	982	998	rVB	455964	1026450	51.24%	10.468%
5	8.061	1026	1040	1050	rBV	247964	552092	27.56%	5.630%
6	8.610	1121	1130	1145	rBV	728063	1456618	72.71%	14.855%
7	10.103	1366	1375	1387	rBV	1175402	2003199	100.00%	20.429%
8	11.414	1580	1590	1604	rBV	1000913	1620476	80.89%	16.526%
9	12.402	1745	1752	1763	rBV	695485	1100043	54.91%	11.219%
10	13.346	1896	1907	1916	rBV	817010	1237156	61.76%	12.617%
11	13.883	1989	1995	2001	rVB2	55068	89021	4.44%	0.908%

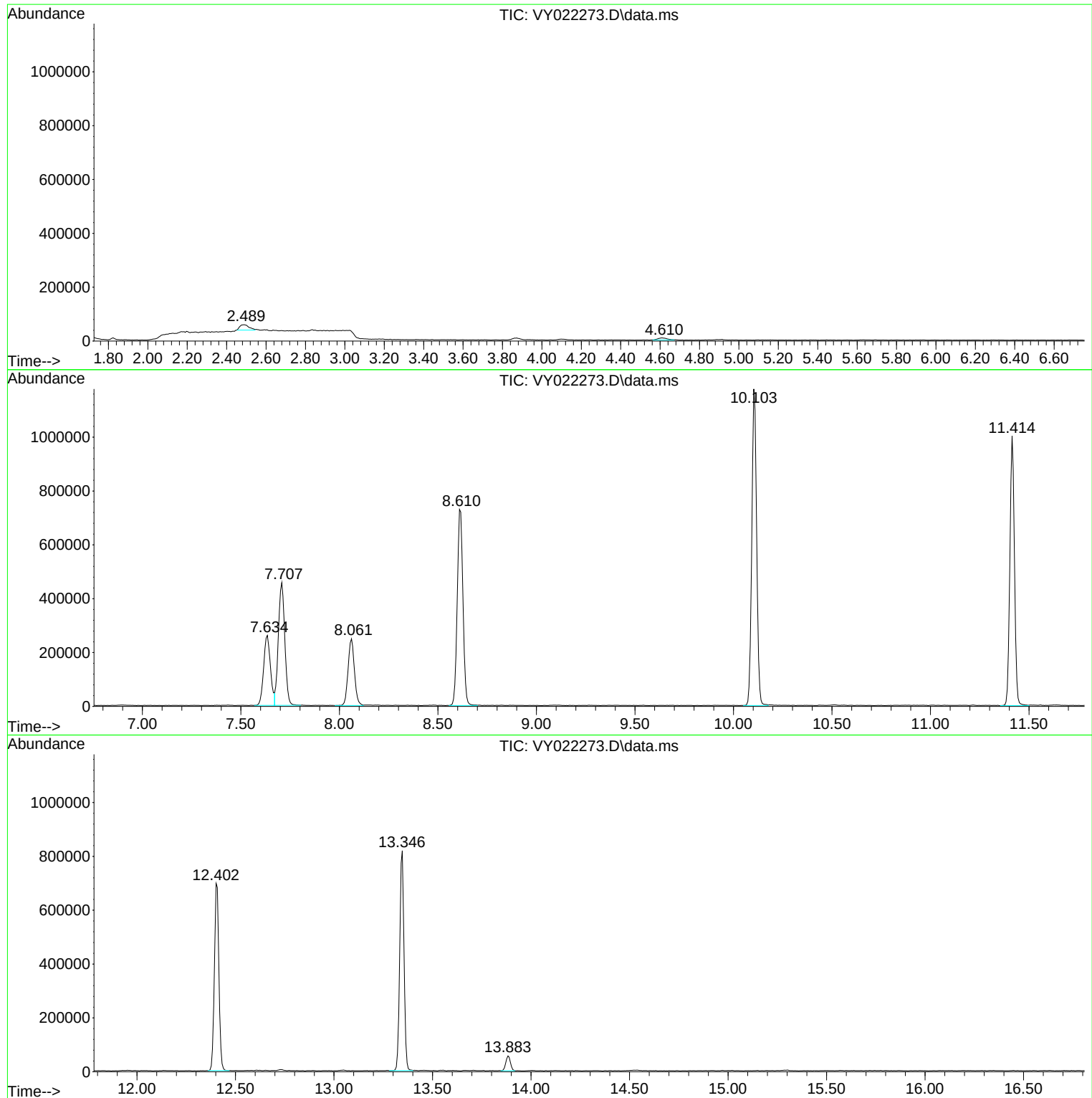
Sum of corrected areas: 9805564

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

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\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

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\VY051525\
Data File : VY022273.D
Acq On : 15 May 2025 18:43
Operator : SY/MD
Sample : Q1982-05
Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24 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
VY022274.D	1		05/15/25 19:06	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	9.00	ug/Kg
74-87-3	Chloromethane	2.00	U	2.00	9.00	ug/Kg
75-01-4	Vinyl Chloride	1.40	U	1.40	9.00	ug/Kg
74-83-9	Bromomethane	1.90	U	1.90	9.00	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	9.00	ug/Kg
75-69-4	Trichlorofluoromethane	2.20	U	2.20	9.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	1.90	9.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	9.00	ug/Kg
67-64-1	Acetone	16.7	J	8.50	44.8	ug/Kg
75-15-0	Carbon Disulfide	1.90	U	1.90	9.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	9.00	ug/Kg
79-20-9	Methyl Acetate	2.80	U	2.80	9.00	ug/Kg
75-09-2	Methylene Chloride	6.30	U	6.30	17.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	1.50	9.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	9.00	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	9.00	ug/Kg
78-93-3	2-Butanone	11.7	U	11.7	44.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	9.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	9.00	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	9.00	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	9.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	1.70	9.00	ug/Kg
108-87-2	Methylcyclohexane	1.60	U	1.60	9.00	ug/Kg
71-43-2	Benzene	1.40	U	1.40	9.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	9.00	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	9.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.60	U	1.60	9.00	ug/Kg
75-27-4	Bromodichloromethane	1.40	U	1.40	9.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.40	U	6.40	44.8	ug/Kg
108-88-3	Toluene	1.40	U	1.40	9.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24	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
VY022274.D	1		05/15/25 19:06	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	9.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1.10	9.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.60	U	1.60	9.00	ug/Kg
591-78-6	2-Hexanone	6.60	U	6.60	44.8	ug/Kg
124-48-1	Dibromochloromethane	1.60	U	1.60	9.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	9.00	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	1.90	9.00	ug/Kg
108-90-7	Chlorobenzene	1.60	U	1.60	9.00	ug/Kg
100-41-4	Ethyl Benzene	1.20	U	1.20	9.00	ug/Kg
179601-23-1	m/p-Xylenes	2.20	U	2.20	17.9	ug/Kg
95-47-6	o-Xylene	1.50	U	1.50	9.00	ug/Kg
100-42-5	Styrene	1.30	U	1.30	9.00	ug/Kg
75-25-2	Bromoform	1.50	U	1.50	9.00	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	9.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	9.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.10	U	3.10	9.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.80	U	2.80	9.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.60	U	2.60	9.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.30	U	3.30	9.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.30	U	5.30	9.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.70	U	5.70	9.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		38 - 136	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.707			
540-36-3	1,4-Difluorobenzene	529000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	3.24	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
VY022274.D	1		05/15/25 19:06	VY051525

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\VY051525\
 Data File : VY022274.D
 Acq On : 15 May 2025 19:06
 Operator : SY/MD
 Sample : Q1982-06
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

Quant Time: May 16 02:00:18 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)

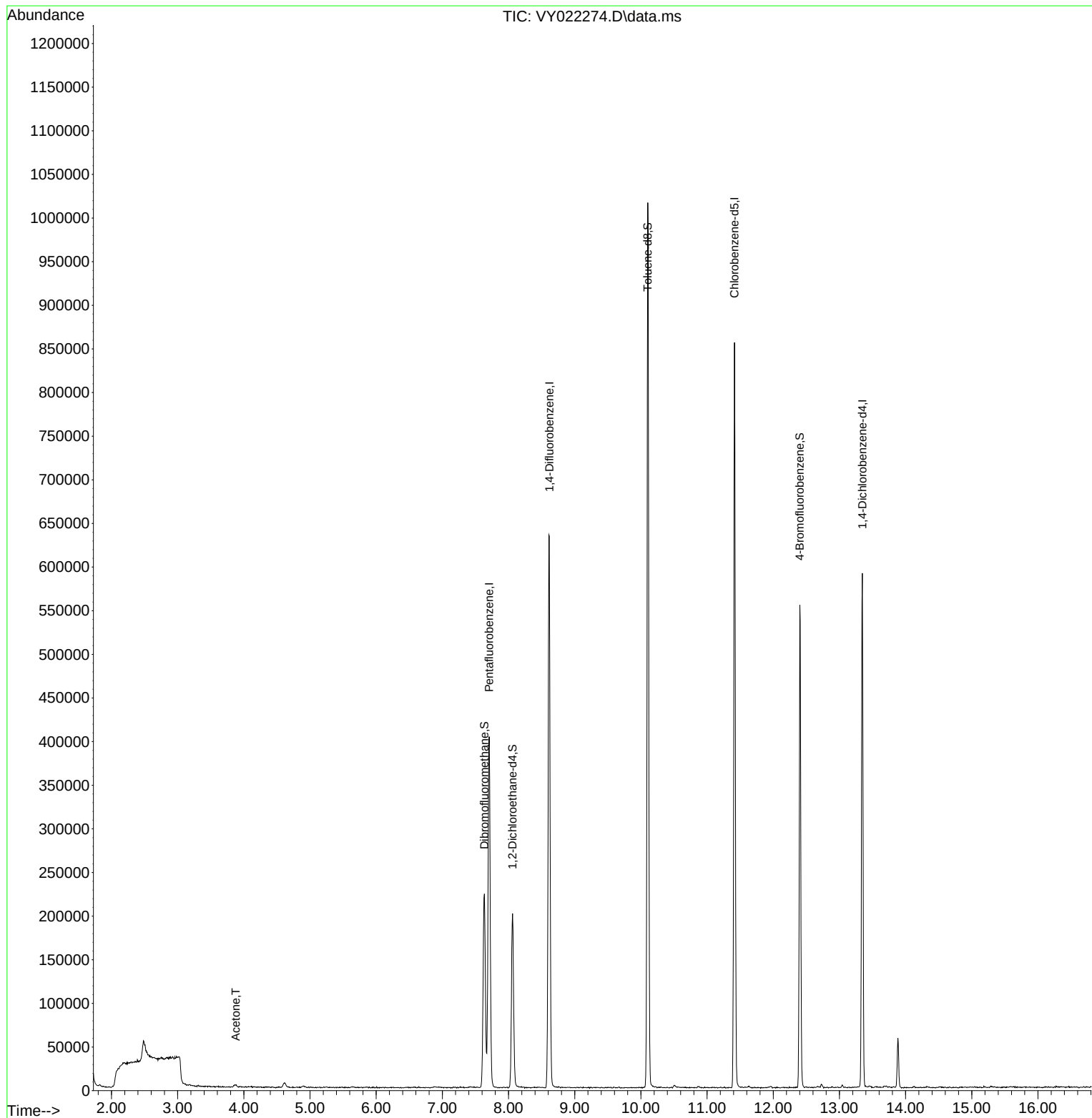
Internal Standards						
1) Pentafluorobenzene	7.707	168	302935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	529384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	407189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150422	45.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.860%
35) Dibromofluoromethane	7.634	113	156818	49.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.260%
50) Toluene-d8	10.103	98	631509	48.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.402	95	155235	37.846	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.700%
Target Compounds						
16) Acetone	3.879	43	5797	9.338	ug/l	Qvalue 91

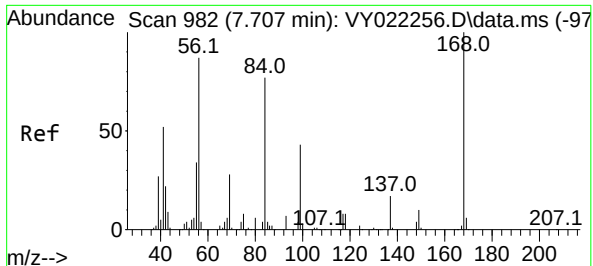
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

Quant Time: May 16 02:00:18 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

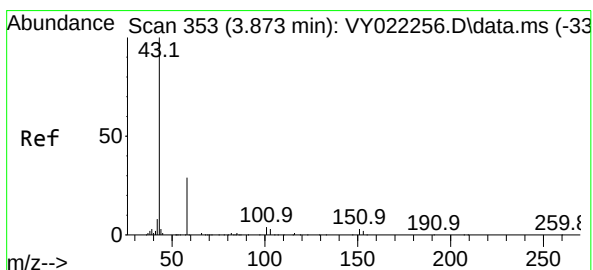
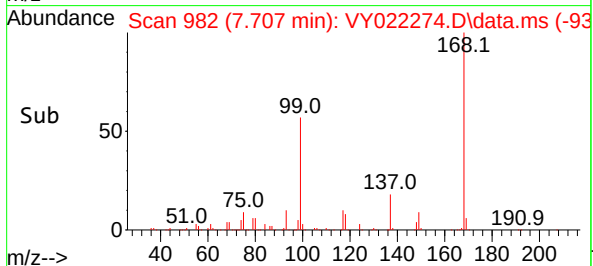
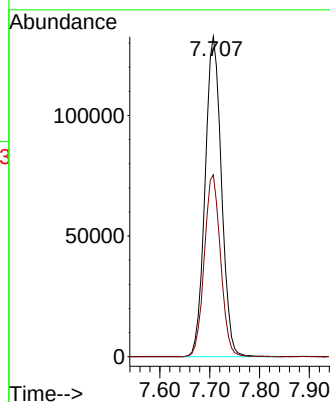
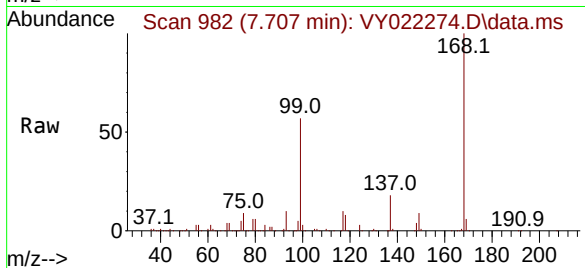




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

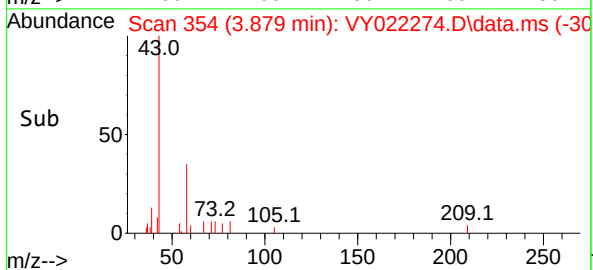
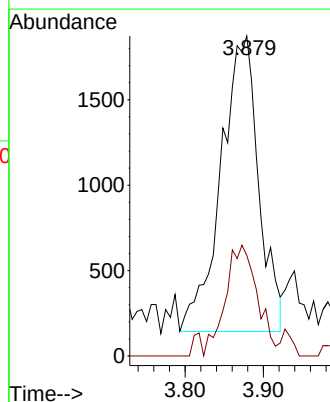
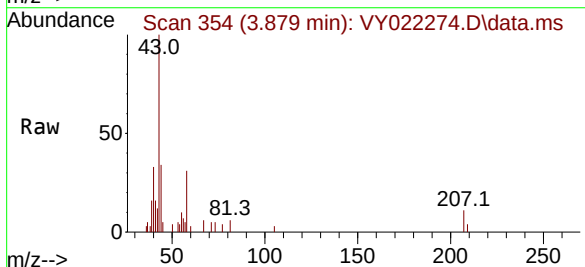
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

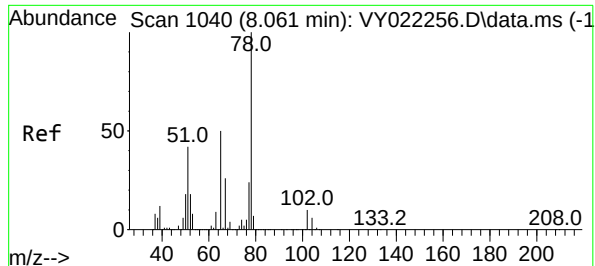
Tgt Ion:168 Resp: 302935
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#16
Acetone
Concen: 9.338 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 43 Resp: 5797
Ion Ratio Lower Upper
43 100
58 34.1 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 45.434 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022274.D

Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

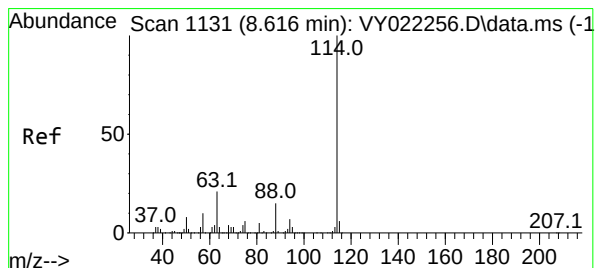
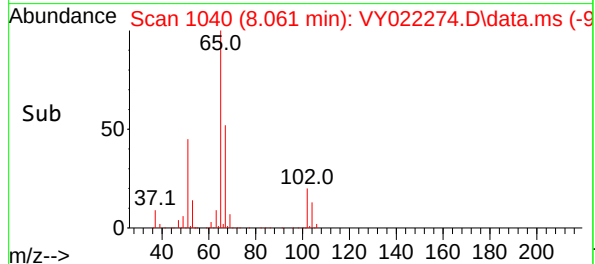
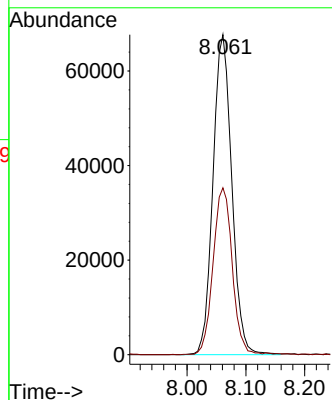
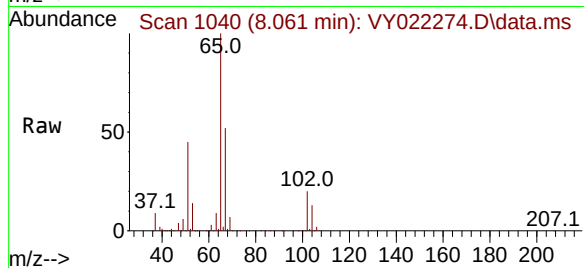
TP-6

Tgt Ion: 65 Resp: 150422

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022274.D

Acq: 15 May 2025 19:06

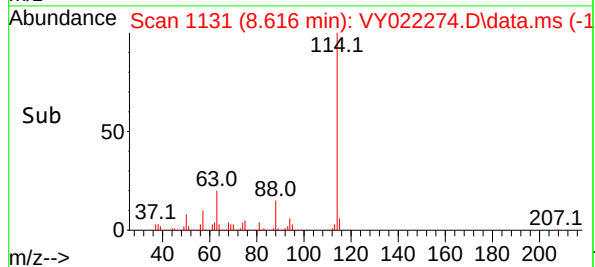
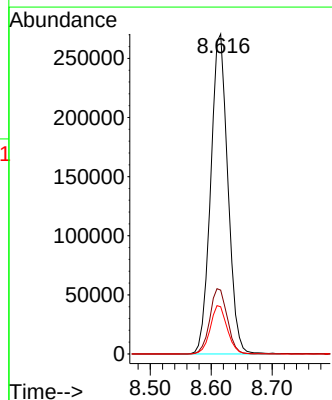
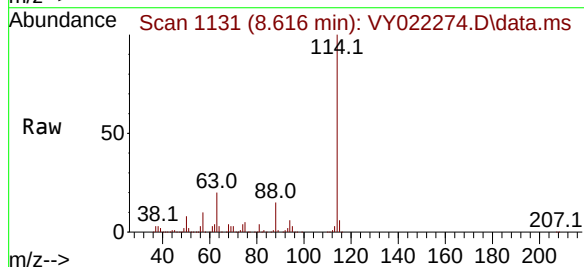
Tgt Ion: 114 Resp: 529384

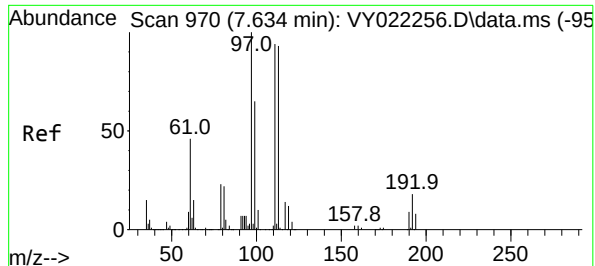
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022274.D

Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-6

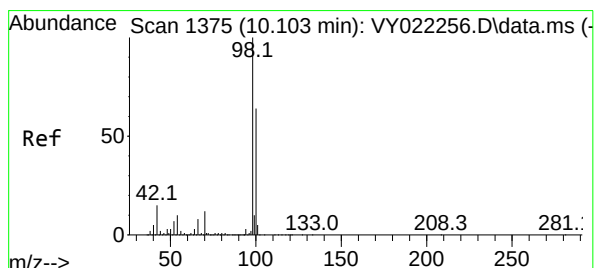
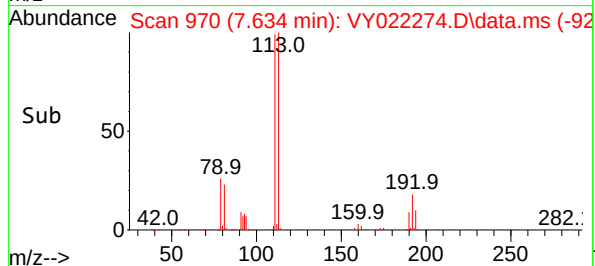
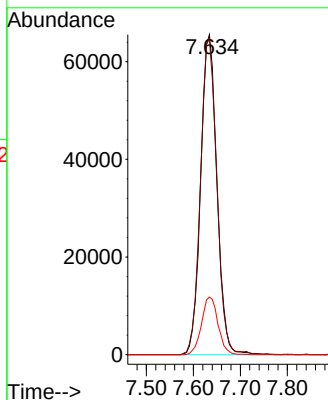
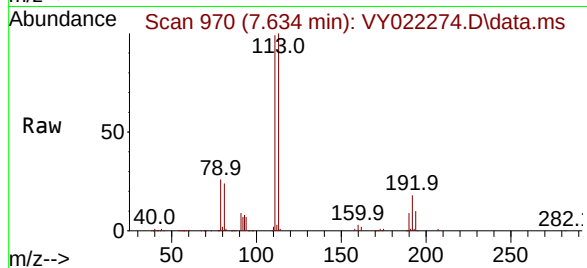
Tgt Ion:113 Resp: 156818

Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 18.3 15.2 22.8



#50

Toluene-d8

Concen: 48.800 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022274.D

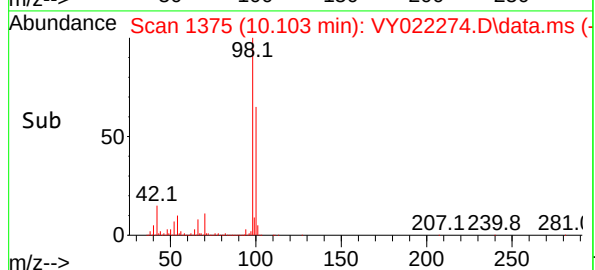
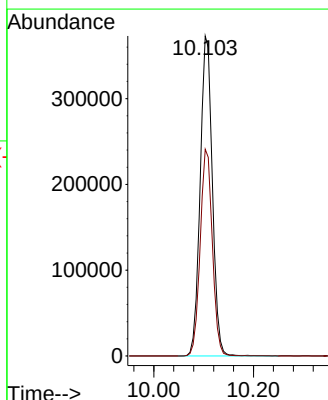
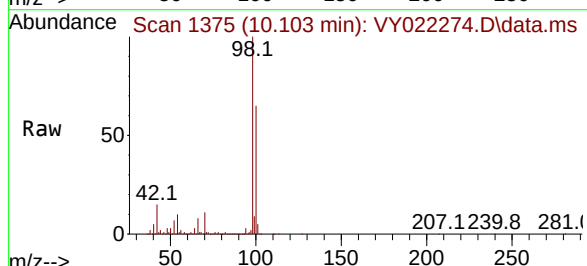
Acq: 15 May 2025 19:06

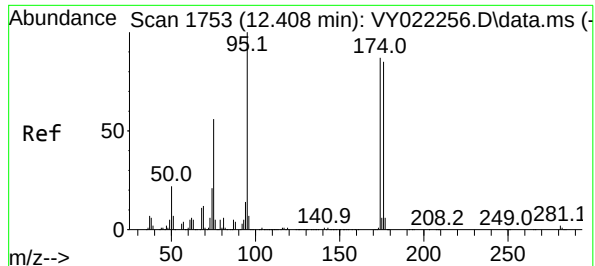
Tgt Ion: 98 Resp: 631509

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8

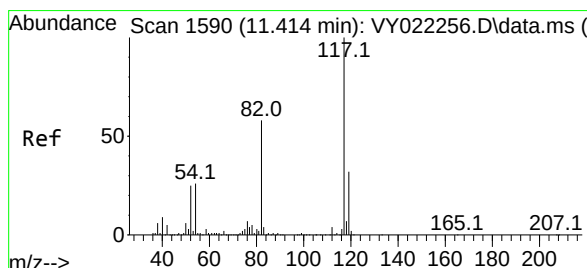
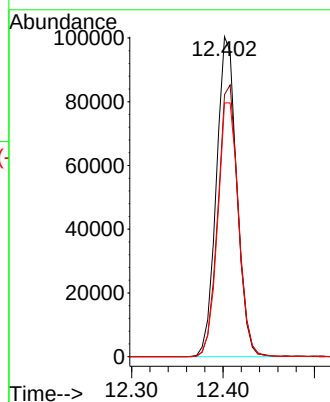
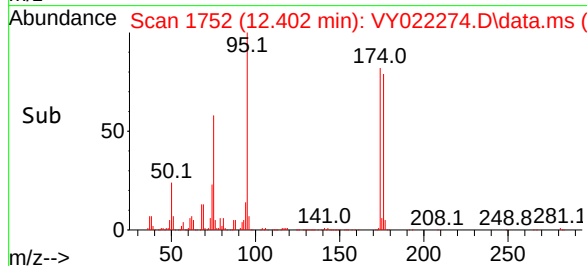
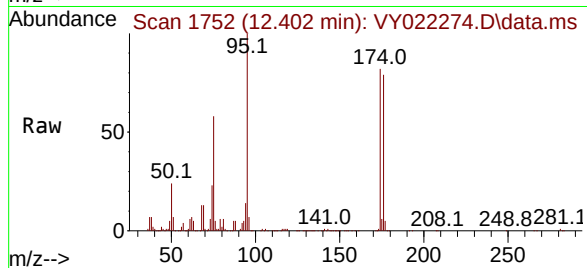




#62
4-Bromofluorobenzene
Concen: 37.846 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

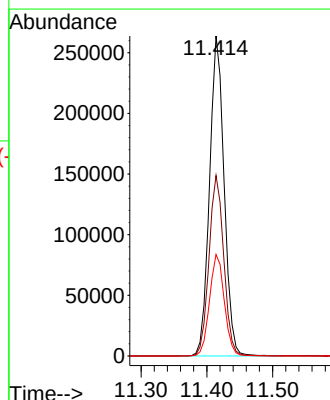
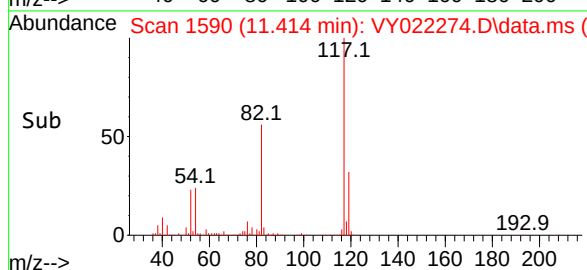
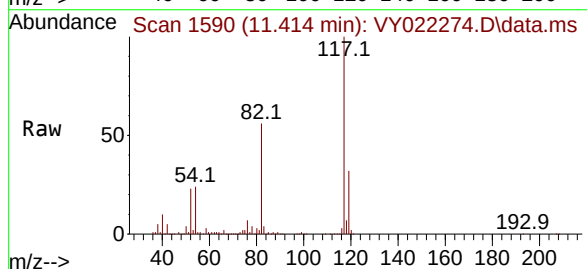
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

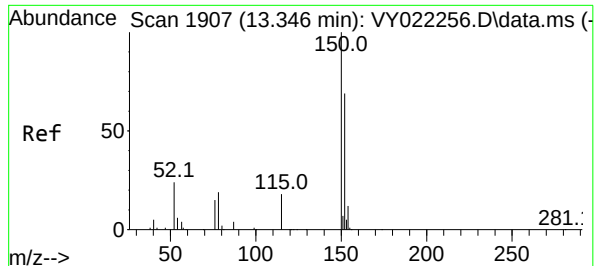
Tgt Ion: 95 Resp: 155235
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 81.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 117 Resp: 407189
Ion Ratio Lower Upper
117 100
82 56.4 46.6 70.0
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022274.D

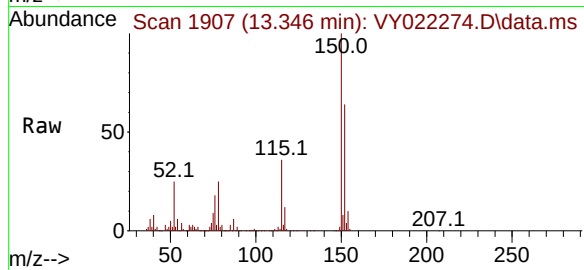
Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-6



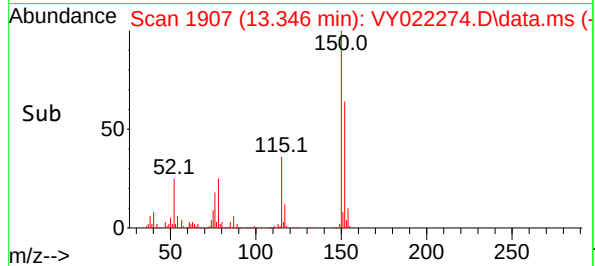
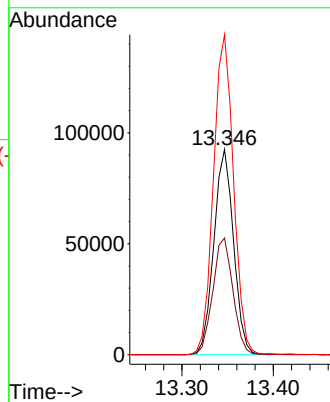
Tgt Ion:152 Resp: 138768

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 158.7 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022274.D
 Acq On : 15 May 2025 19:06
 Operator : SY/MD
 Sample : Q1982-06
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

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: VY022274.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.099	50	62	64	rBV5	20525	67606	3.92%	0.821%
2	2.483	121	125	136	rVB6	16468	44141	2.56%	0.536%
3	7.634	958	970	976	rBV	221930	538231	31.17%	6.538%
4	7.707	976	982	1000	rVB	401883	909657	52.68%	11.050%
5	8.061	1031	1040	1052	rBV	199287	447530	25.92%	5.436%
6	8.610	1121	1130	1146	rBV	633553	1268170	73.45%	15.405%
7	10.103	1367	1375	1387	rBV	1013712	1726670	100.00%	20.975%
8	11.414	1583	1590	1604	rBV	853997	1345947	77.95%	16.350%
9	12.402	1745	1752	1763	rBV	553170	876485	50.76%	10.647%
10	13.346	1898	1907	1914	rBV	588744	914292	52.95%	11.107%
11	13.883	1988	1995	2004	rVB2	57170	93292	5.40%	1.133%

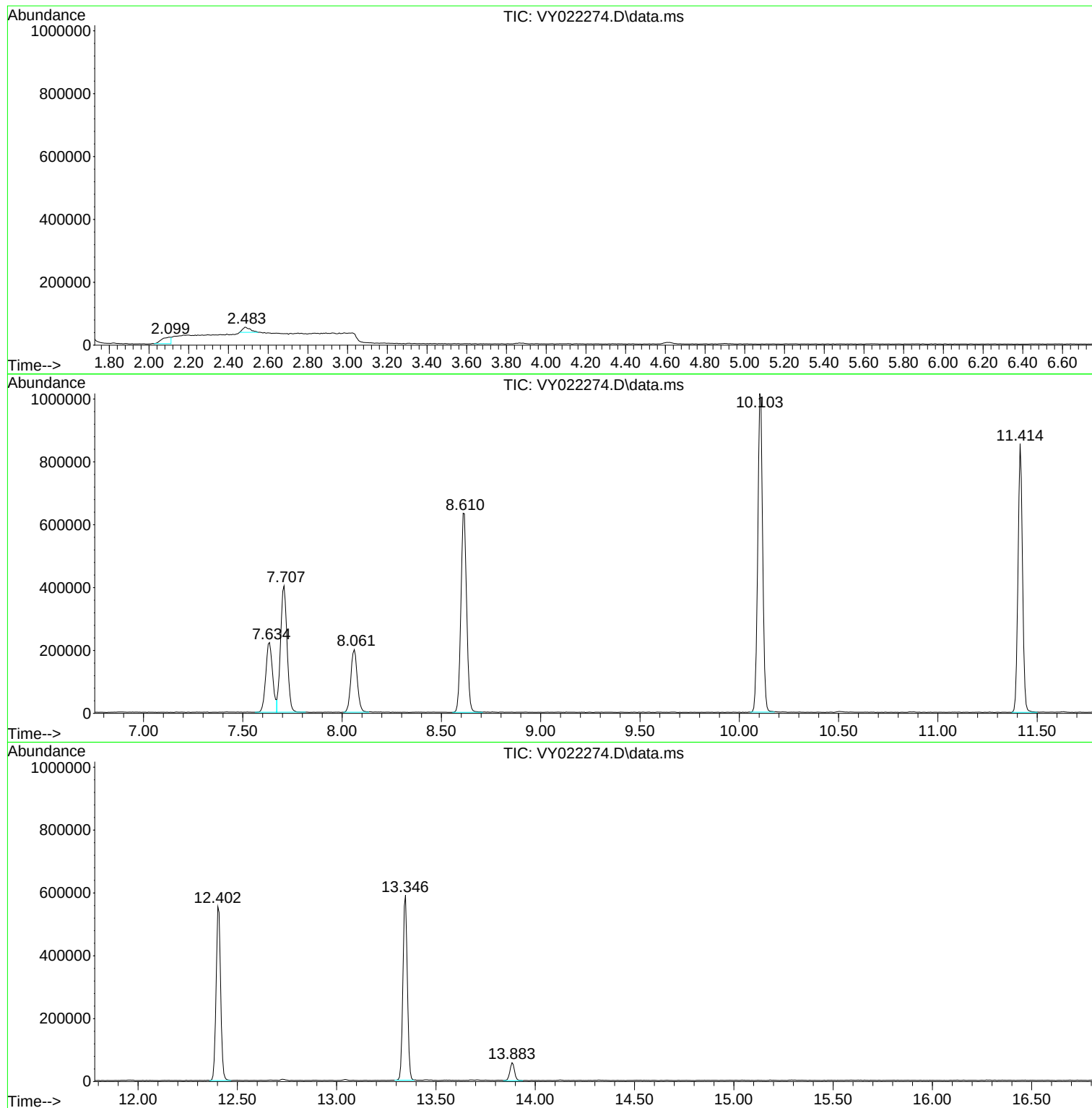
Sum of corrected areas: 8232021

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

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\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

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\VY051525\
Data File : VY022274.D
Acq On : 15 May 2025 19:06
Operator : SY/MD
Sample : Q1982-06
Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6

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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11 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
VY022289.D	1		05/16/25 14:28	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.0	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	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	3.00	U	3.00	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	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	5.50	U	5.50	21.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.97	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	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	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.66	U	0.66	4.20	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11	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
VY022289.D	1		05/16/25 14:28	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	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	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.0	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	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	1.00	U	1.00	8.40	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	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	2.70	U	2.70	4.20	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	45.5	63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5	70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.3	74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1	38 - 136	78%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	266000	7.707
540-36-3	1,4-Difluorobenzene	468000	8.609
3114-55-4	Chlorobenzene-d5	335000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	97100	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.11	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
VY022289.D	1		05/16/25 14:28	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.489	4.90	J		2.49	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\VY051625\
 Data File : VY022289.D
 Acq On : 16 May 2025 14:28
 Operator : SY/MD
 Sample : Q1982-07
 Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

Quant Time: May 17 01:33:42 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	7.707	168	265944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	467527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	97059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132106	45.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.900%
35) Dibromofluoromethane	7.634	113	135434	48.534	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.103	98	540727	47.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.401	95	141558	39.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.160%

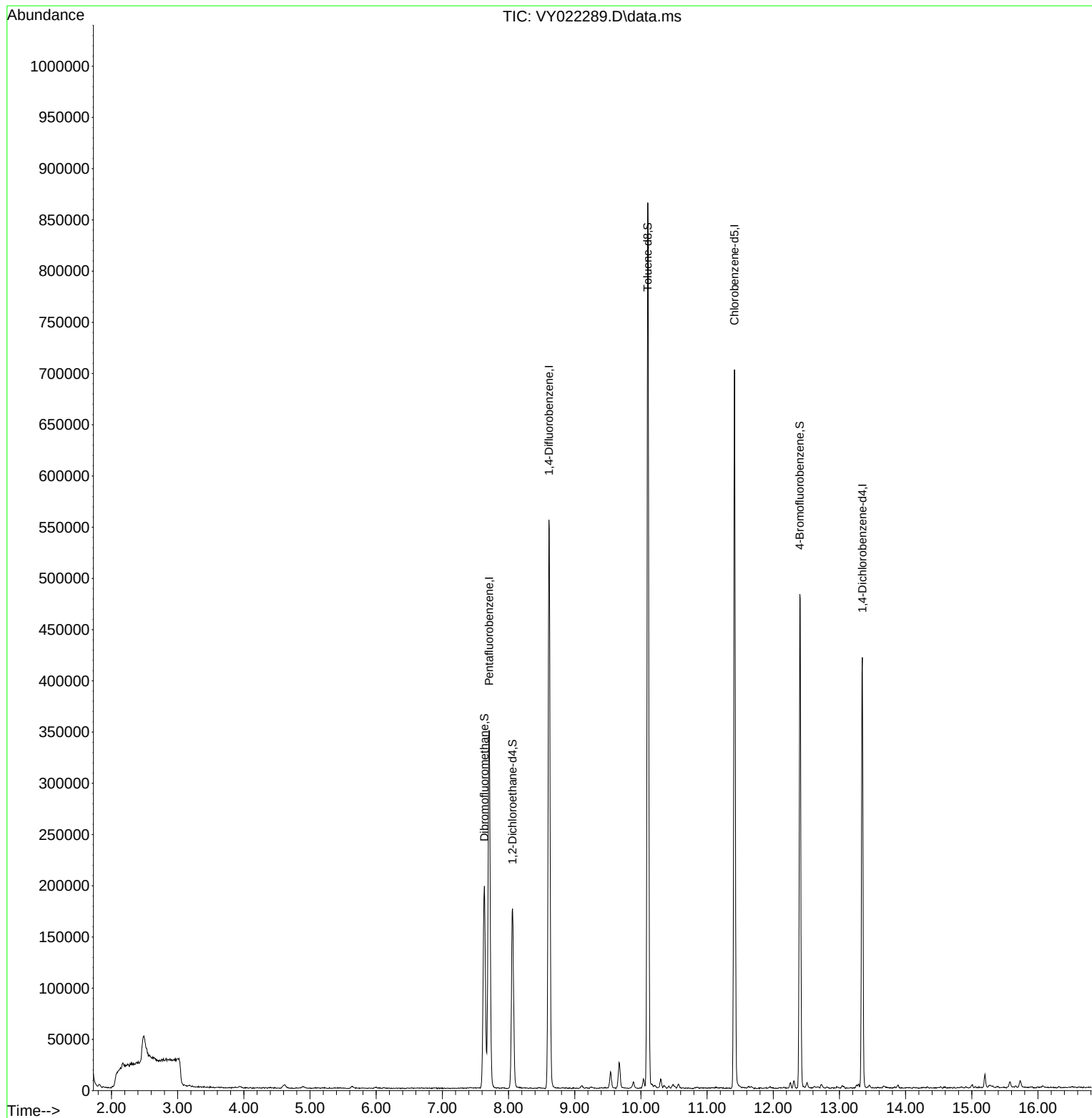
Target Compounds	Qvalue

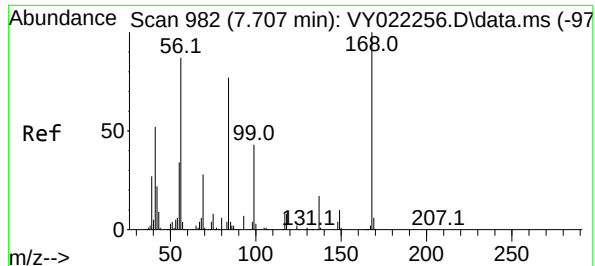
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

Quant Time: May 17 01:33:42 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

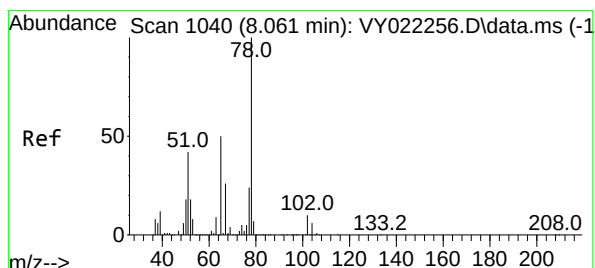
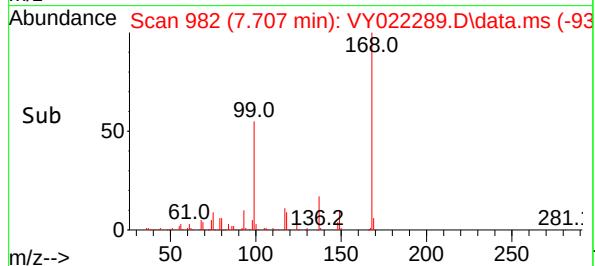
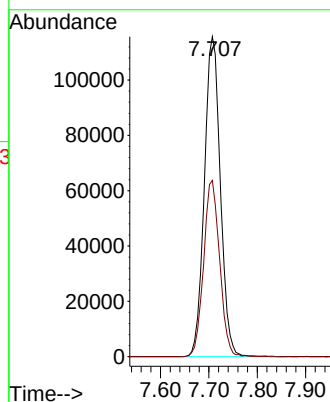
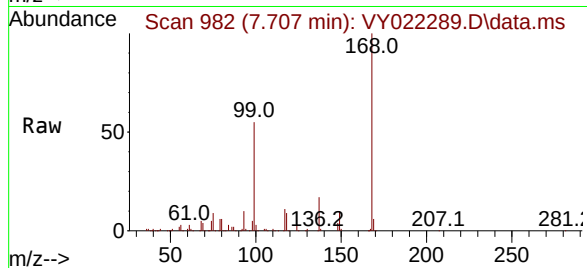




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

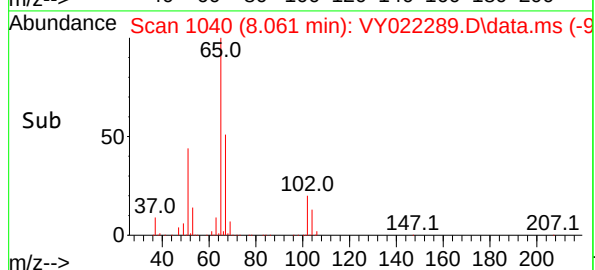
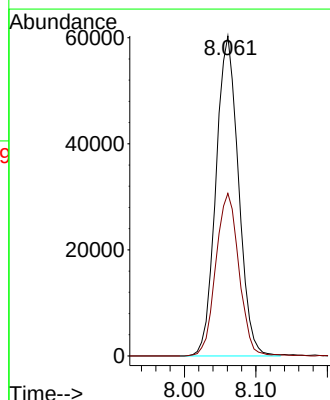
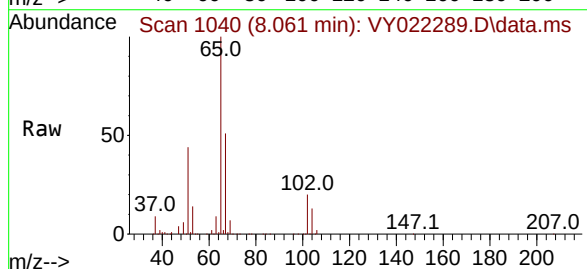
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

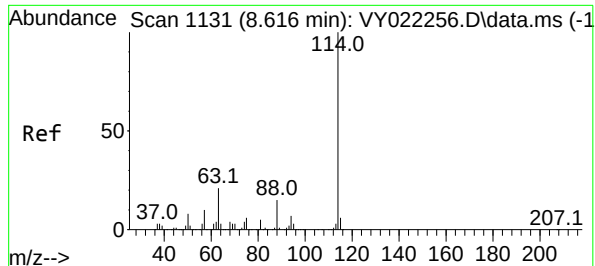
Tgt Ion:168 Resp: 265944
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.452 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 65 Resp: 132106
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022289.D

Acq: 16 May 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-8

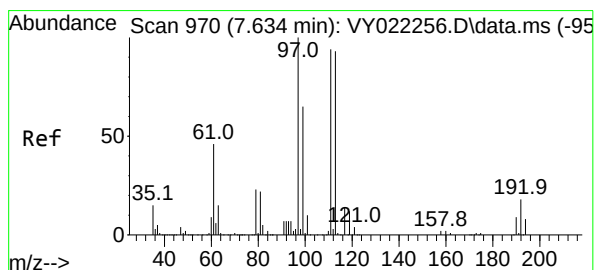
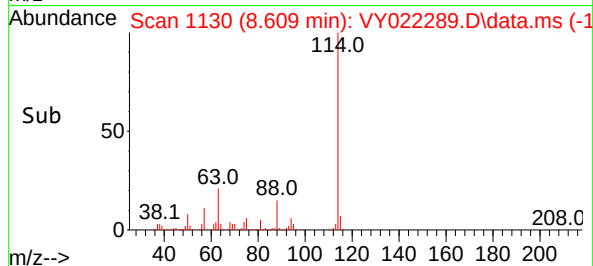
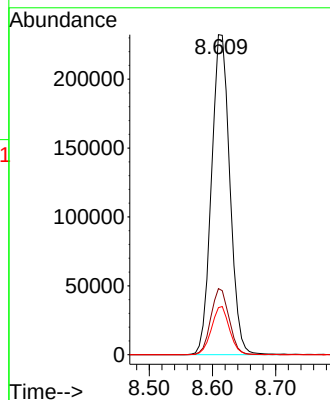
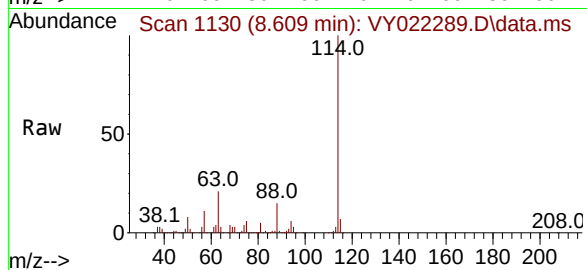
Tgt Ion:114 Resp: 467527

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.534 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022289.D

Acq: 16 May 2025 14:28

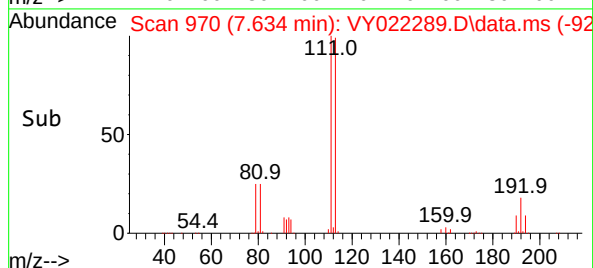
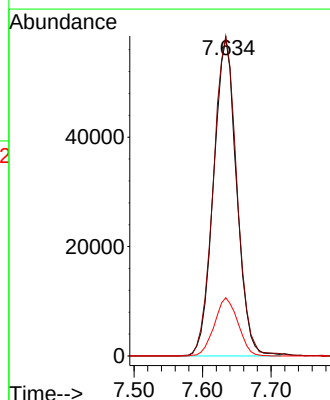
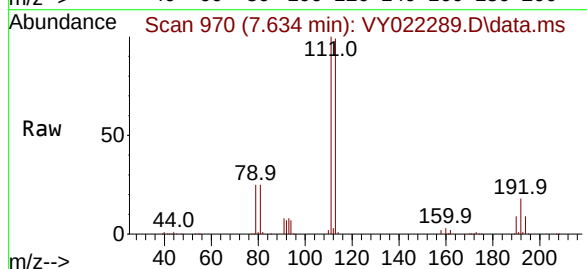
Tgt Ion:113 Resp: 135434

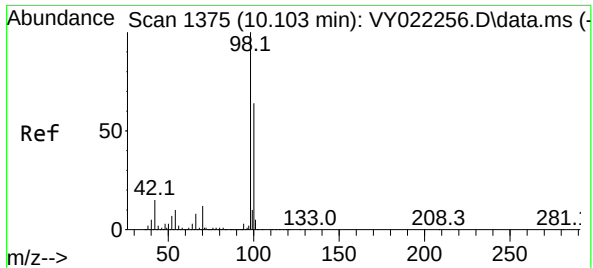
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.7 15.2 22.8

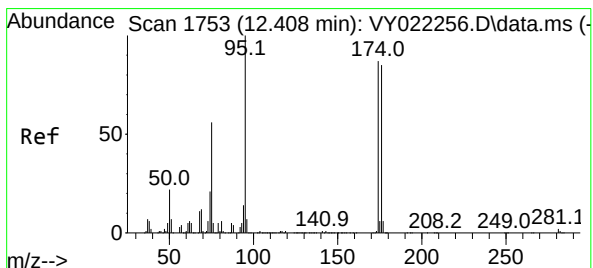
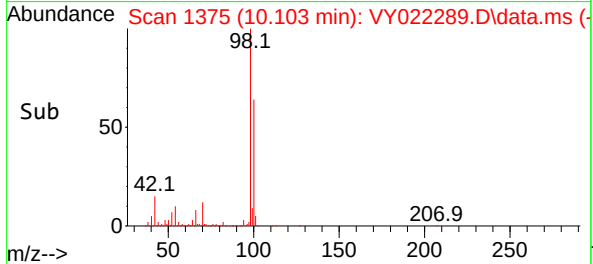
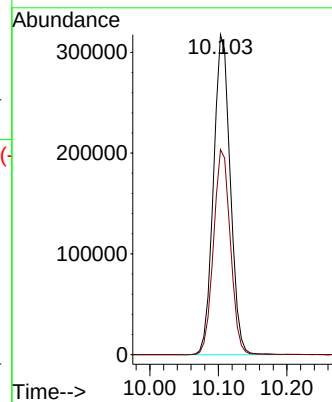
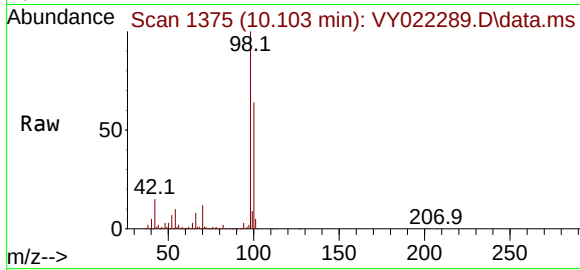




#50
Toluene-d8
Concen: 47.314 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

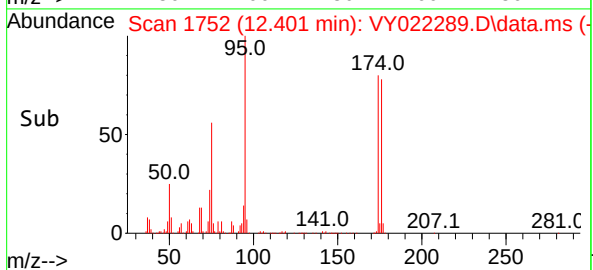
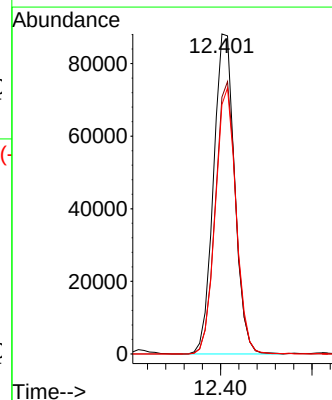
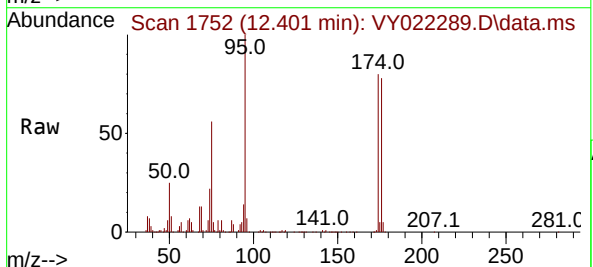
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

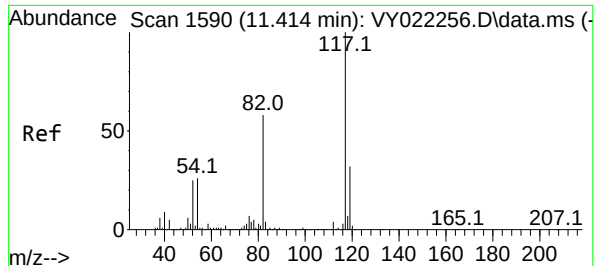
Tgt Ion: 98 Resp: 540727
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.078 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022289.D
Acq: 16 May 2025 14:28

Tgt Ion: 95 Resp: 141558
Ion Ratio Lower Upper
95 100
174 82.6 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: VY022289.D

Acq: 16 May 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-8

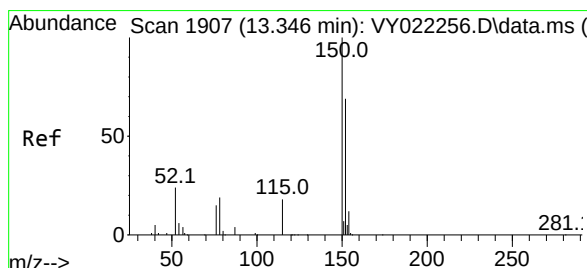
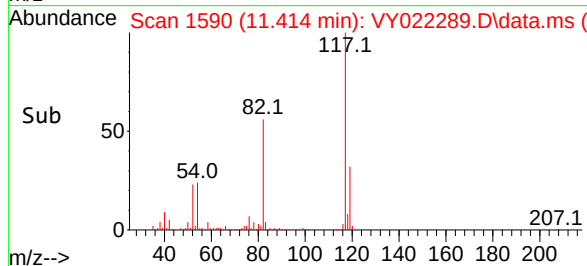
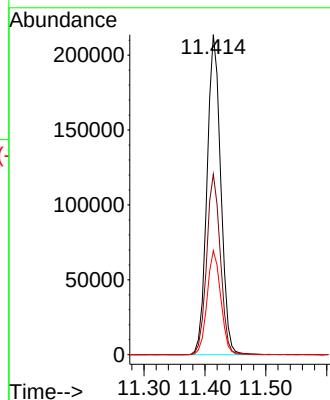
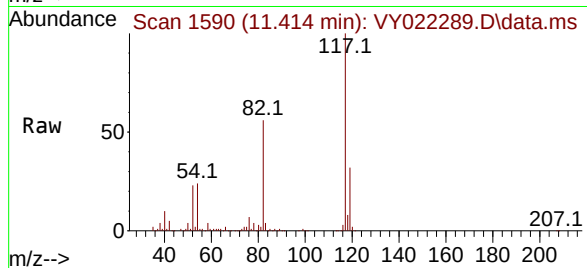
Tgt Ion:117 Resp: 335264

Ion Ratio Lower Upper

117 100

82 56.4 46.6 70.0

119 32.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022289.D

Acq: 16 May 2025 14:28

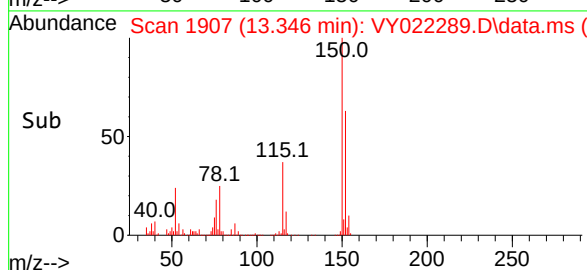
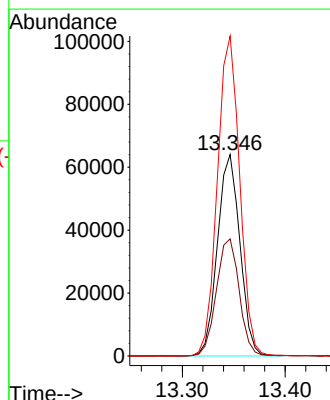
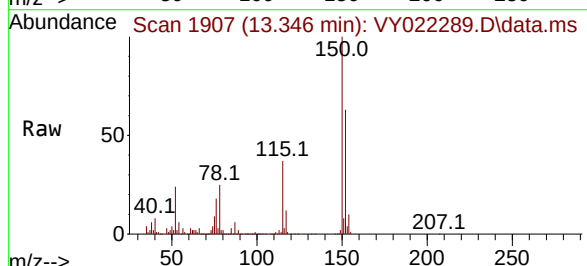
Tgt Ion:152 Resp: 97059

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

150 157.7 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022289.D
 Acq On : 16 May 2025 14:28
 Operator : SY/MD
 Sample : Q1982-07
 Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

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: VY022289.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	119	126	137	rBV7	23355	92372	6.27%	1.318%
2	7.634	960	970	976	rBV	197308	476401	32.32%	6.798%
3	7.707	976	982	995	rVB	349039	790021	53.60%	11.274%
4	8.061	1027	1040	1050	rBV	175619	400980	27.21%	5.722%
5	8.609	1121	1130	1146	rBV	555337	1115621	75.69%	15.920%
6	9.542	1276	1283	1291	rVB2	15726	29401	1.99%	0.420%
7	9.670	1296	1304	1312	rBV2	25514	54722	3.71%	0.781%
8	10.036	1359	1364	1368	rBV	9158	15600	1.06%	0.223%
9	10.103	1368	1375	1383	rVV	862498	1473873	100.00%	21.033%
10	11.414	1582	1590	1601	rBV	701643	1111368	75.40%	15.860%
11	12.401	1746	1752	1760	rBV	481914	774646	52.56%	11.055%
12	13.346	1900	1907	1917	rVB	420103	650070	44.11%	9.277%
13	15.200	2203	2211	2218	rBV4	13217	22421	1.52%	0.320%

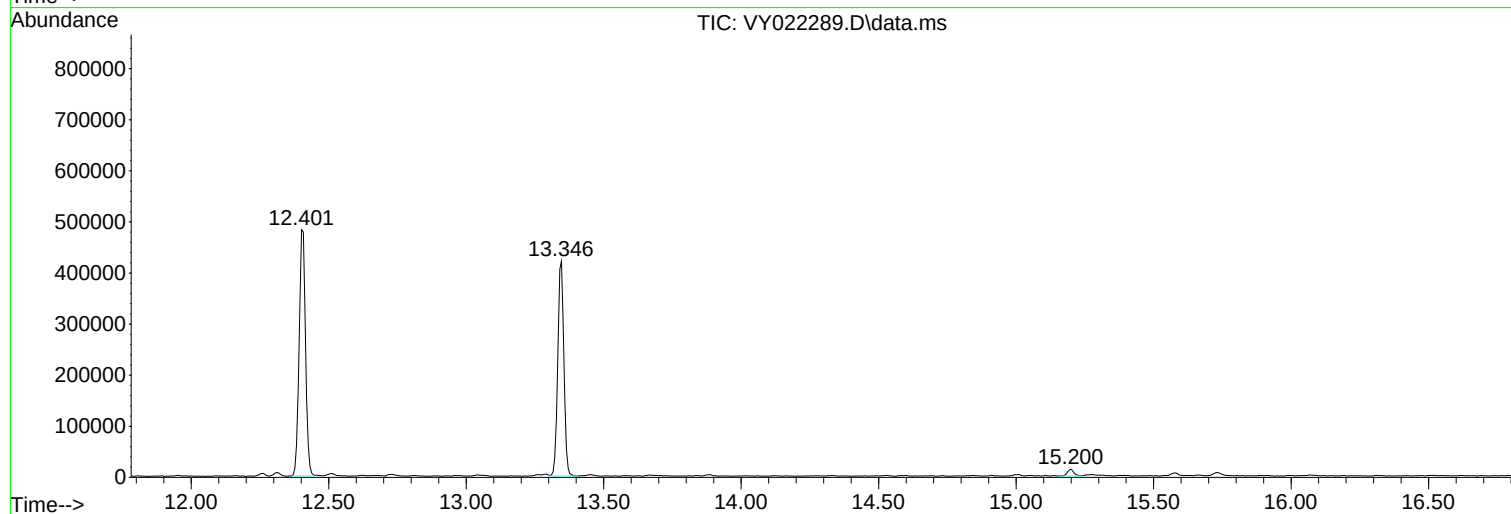
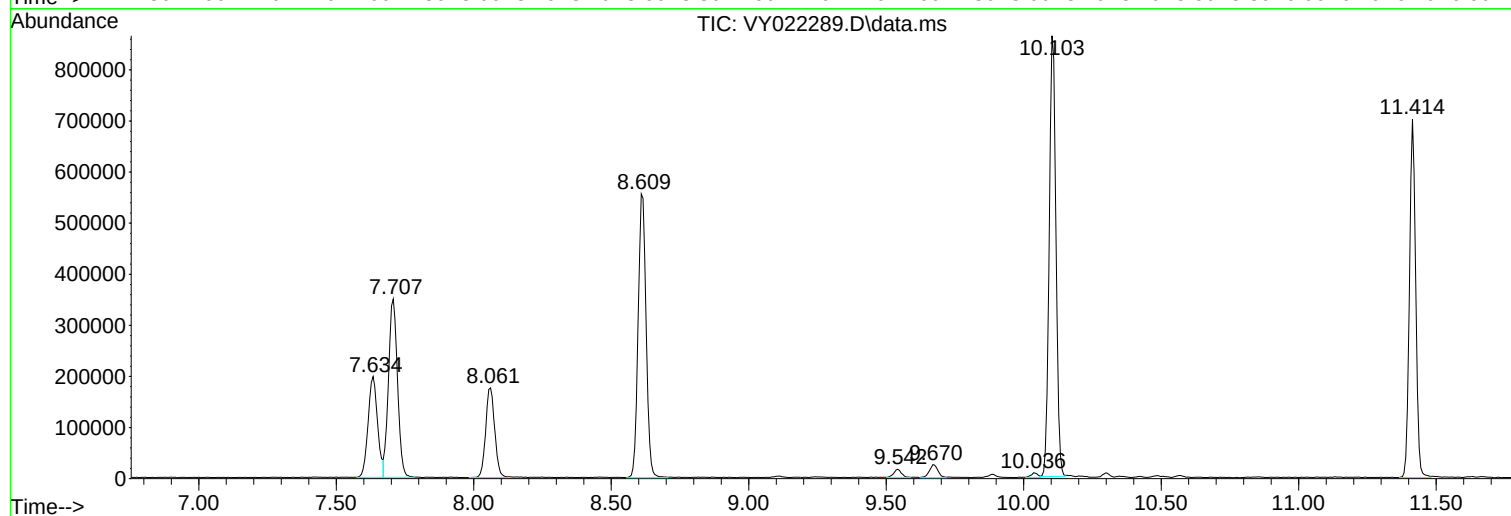
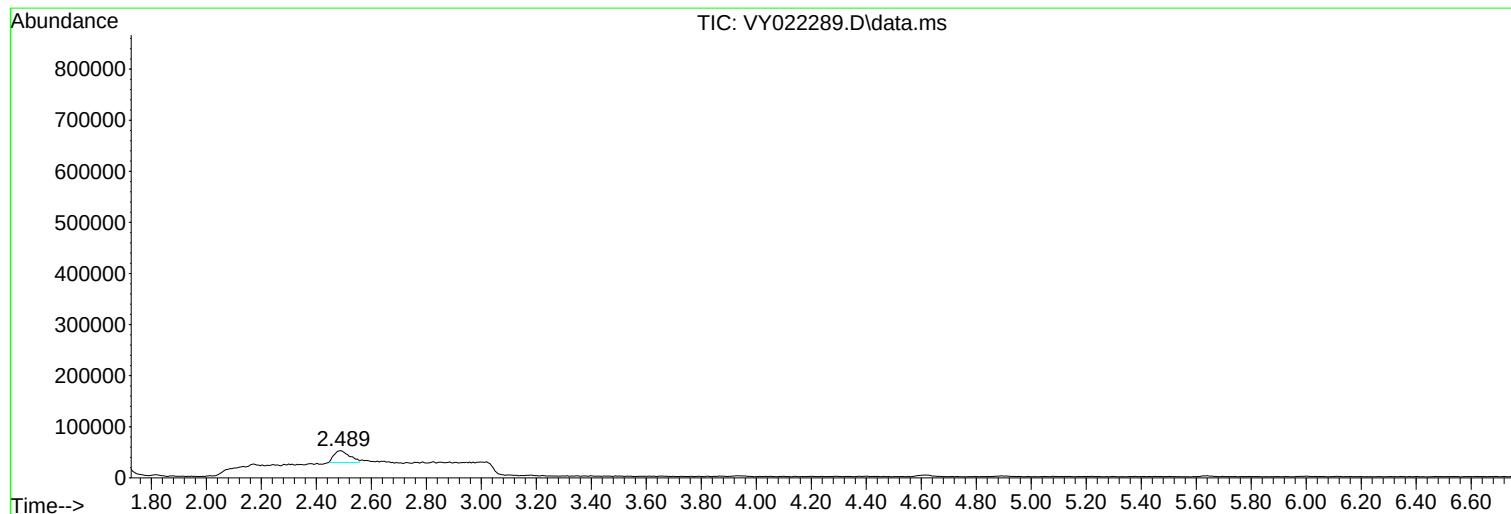
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

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\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

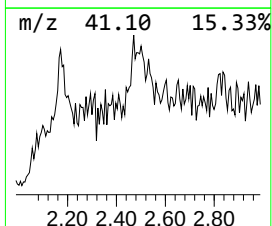
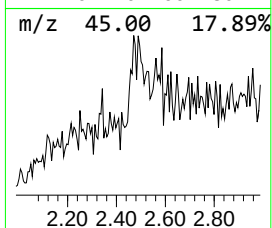
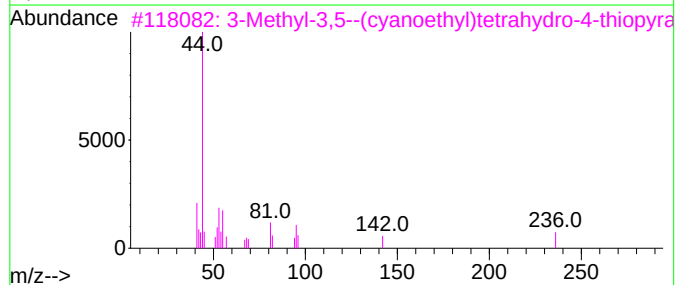
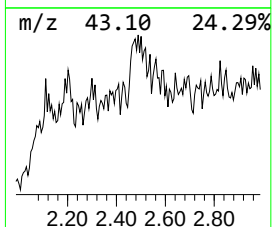
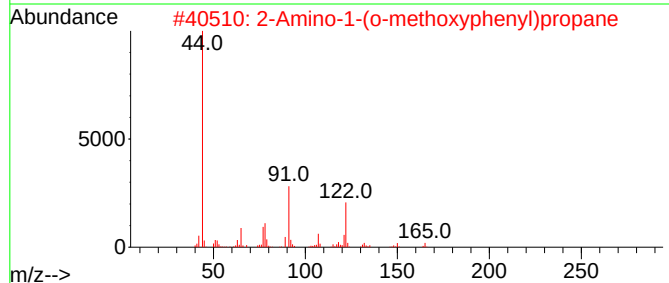
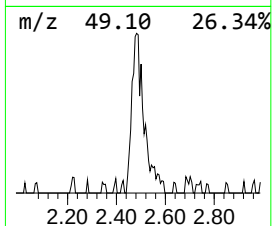
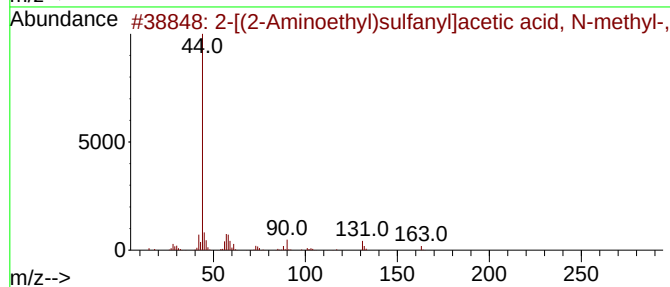
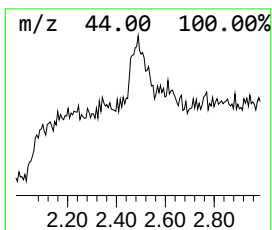
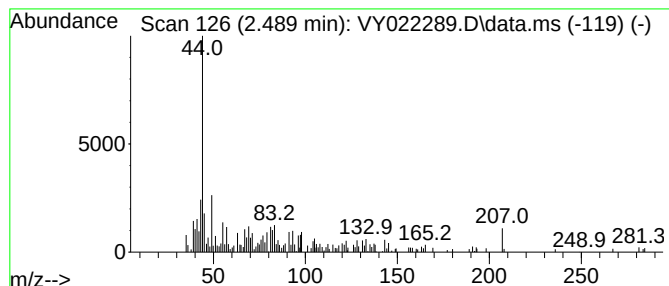
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown2.489 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	5.85 ug/l	92372	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2	[(2-Aminoethyl)sulfanyl]acetic...	163	C6H13NO2S	1249150-80-8	38	
2	2	Amino-1-(o-methoxyphenyl)propane	165	C10H15NO	015402-84-3	27	
3	3	Methyl-3,5--(cyanoethyl)tetrah...	236	C12H16N2OS	1000140-32-3	27	
4	3	Methoxyamphetamine	165	C10H15NO	017862-85-0	27	
5	Propanamide, 3-(3,4-dimethylphen...	241	C11H15NO3S	1000262-80-6	27		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022289.D
Acq On : 16 May 2025 14:28
Operator : SY/MD
Sample : Q1982-07
Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

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
unknown2.489	2.489	5.8	ug/l	92372	1	7.707	790021	50.0

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5 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
VY022290.D	1		05/16/25 14:51	VY051625

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	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.7	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	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	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	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5 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
VY022290.D	1		05/16/25 14:51	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.7	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	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	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	0.74	U	0.74	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	47.3		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.4		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.2		38 - 136	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.61			
3114-55-4	Chlorobenzene-d5	322000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	80200	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	6.5	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
VY022290.D	1		05/16/25 14:51	VY051625

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\VY051625\
 Data File : VY022290.D
 Acq On : 16 May 2025 14:51
 Operator : SY/MD
 Sample : Q1982-08
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

Quant Time: May 17 01:34:08 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	263964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	460977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	322155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80191	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136451	47.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.600%
35) Dibromofluoromethane	7.634	113	137715	50.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.103	98	534411	47.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.402	95	129325	36.208	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.420%

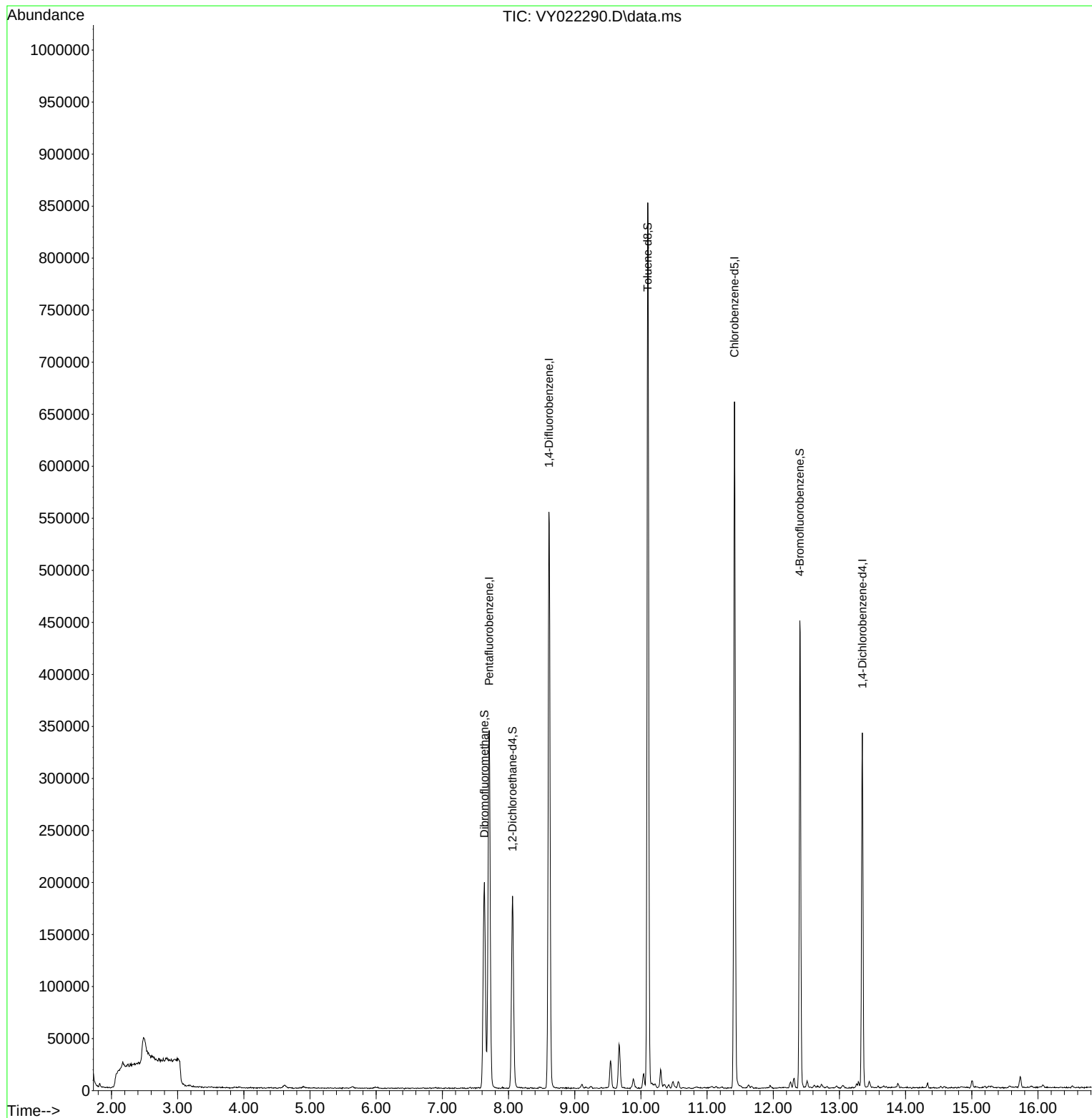
Target Compounds	Qvalue

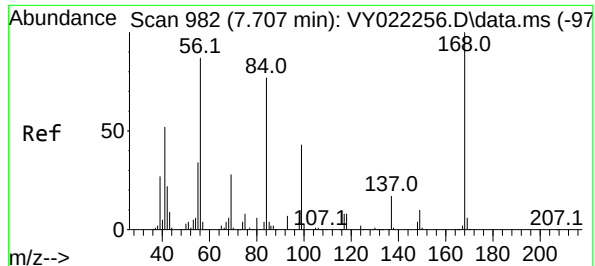
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Quant Time: May 17 01:34:08 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

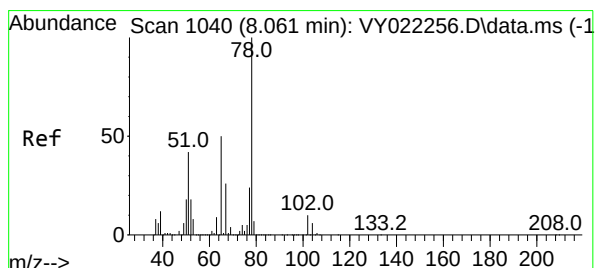
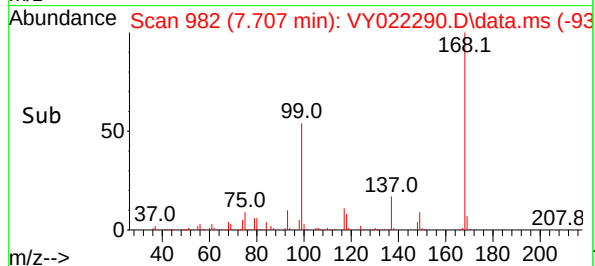
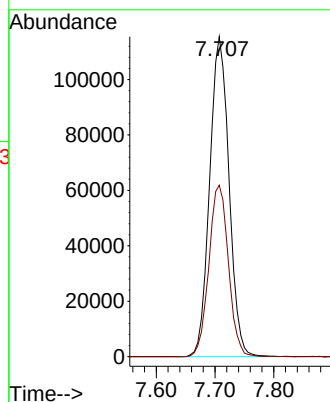
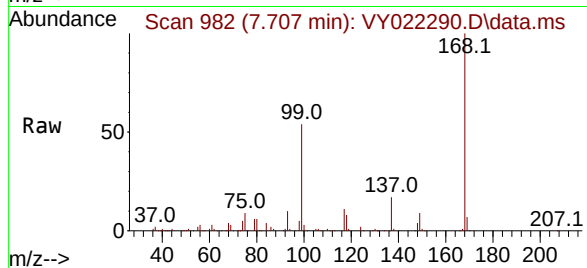




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

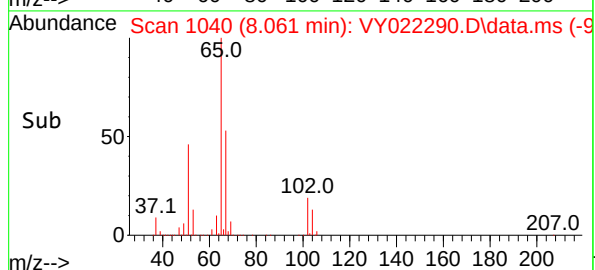
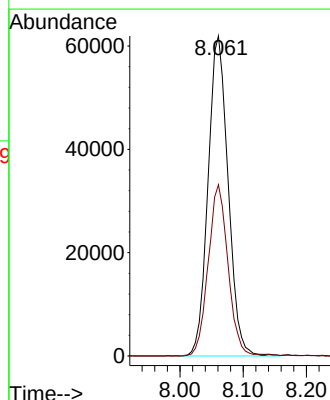
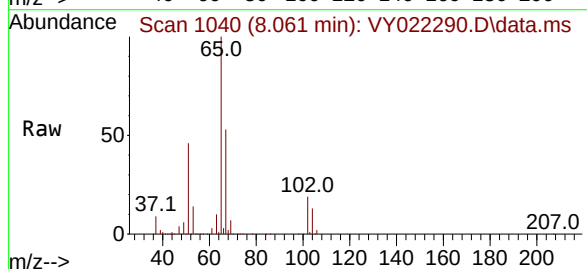
Instrument :
MSVOA_Y
ClientSampleId :
TP-9

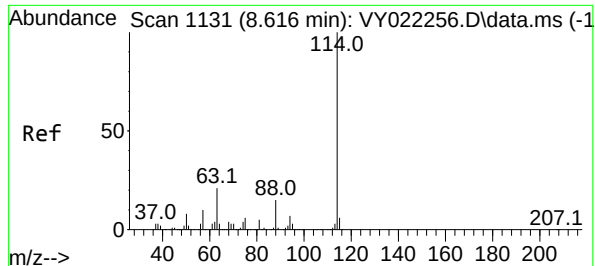
Tgt Ion:168 Resp: 263964
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.299 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022290.D
Acq: 16 May 2025 14:51

Tgt Ion: 65 Resp: 136451
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-9

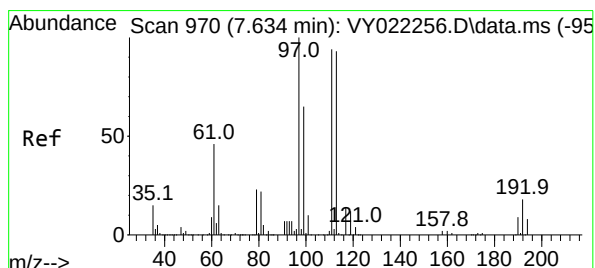
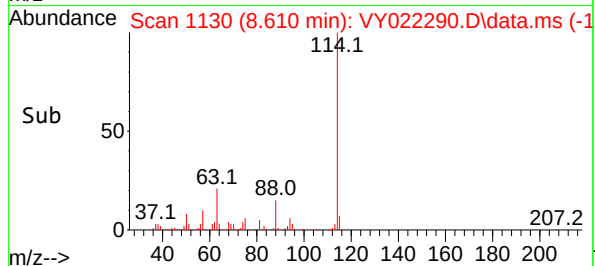
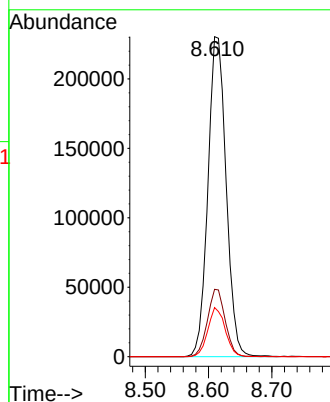
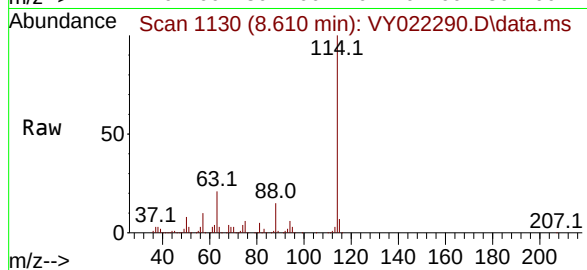
Tgt Ion:114 Resp: 460977

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.053 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

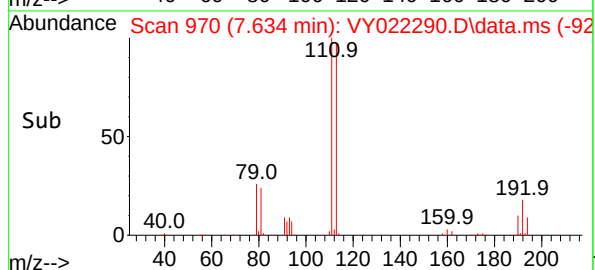
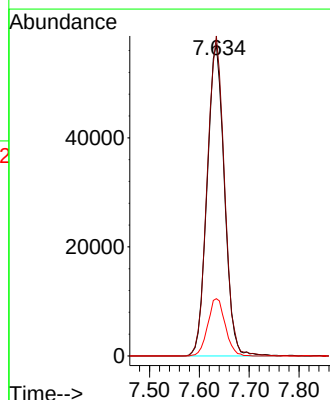
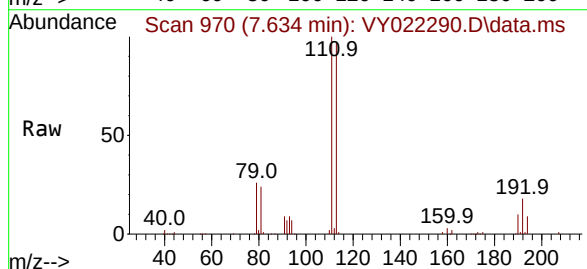
Tgt Ion:113 Resp: 137715

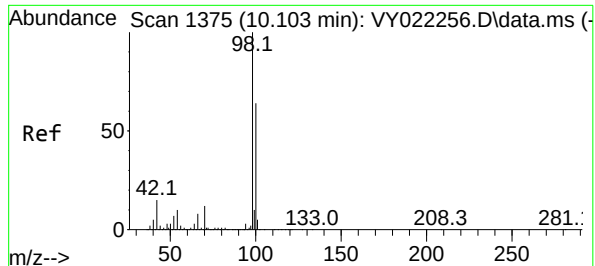
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.6 15.2 22.8





#50

Toluene-d8

Concen: 47.425 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

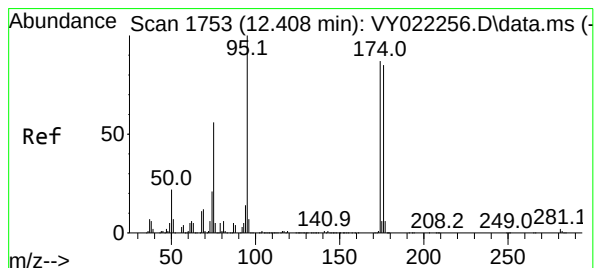
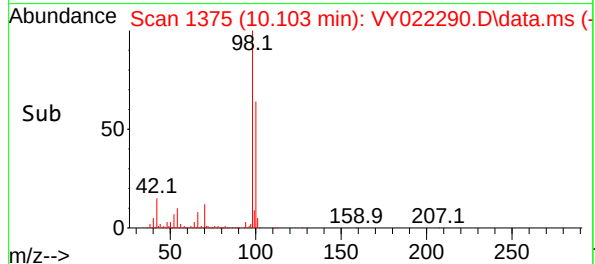
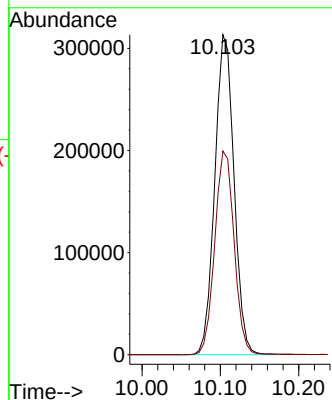
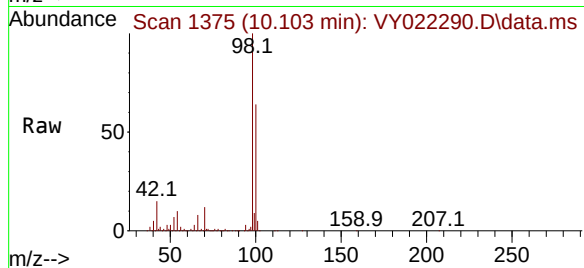
TP-9

Tgt Ion: 98 Resp: 534411

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 36.208 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

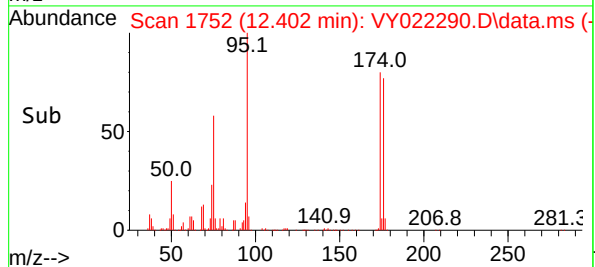
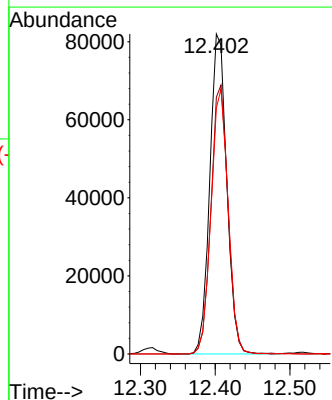
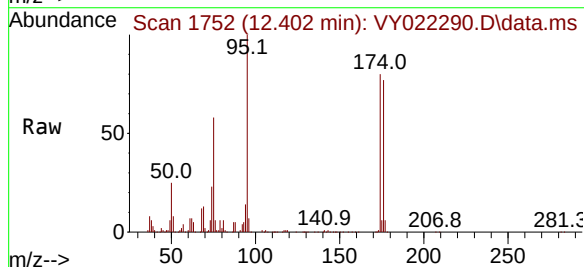
Tgt Ion: 95 Resp: 129325

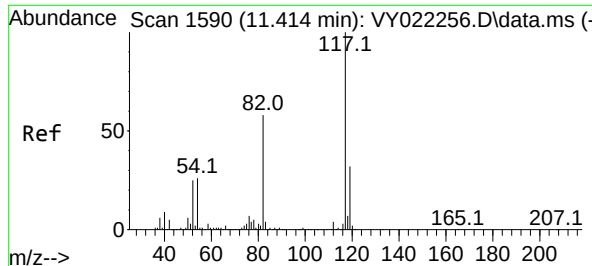
Ion Ratio Lower Upper

95 100

174 84.3 0.0 166.8

176 83.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-9

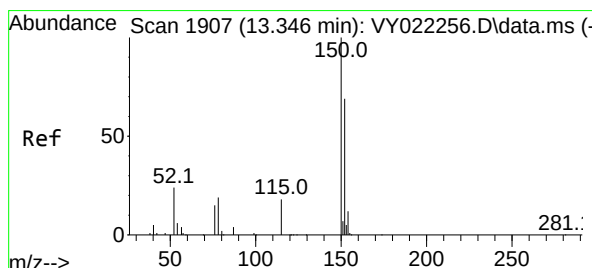
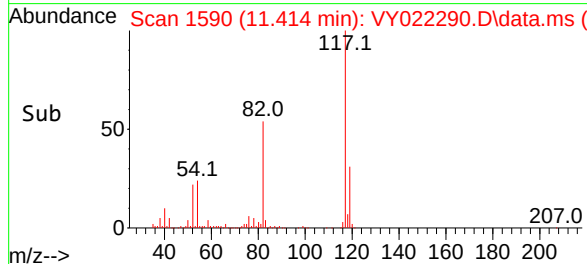
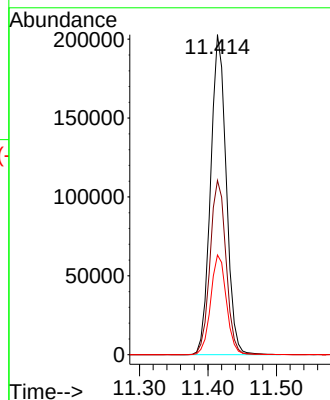
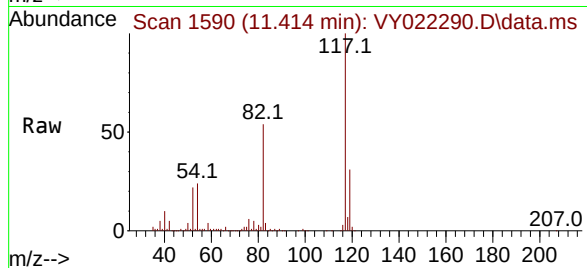
Tgt Ion:117 Resp: 322155

Ion Ratio Lower Upper

117 100

82 54.4 46.6 70.0

119 31.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022290.D

Acq: 16 May 2025 14:51

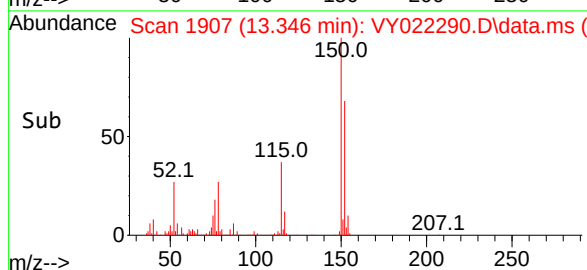
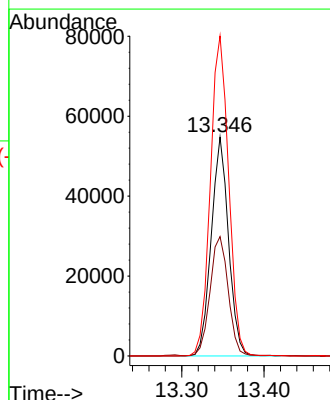
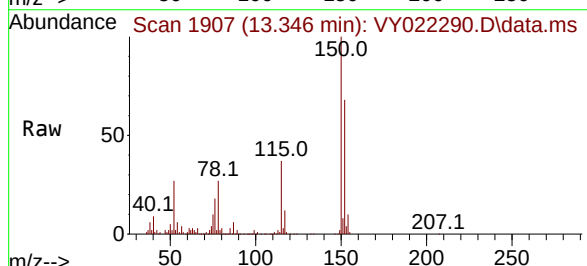
Tgt Ion:152 Resp: 80191

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 154.4 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022290.D
 Acq On : 16 May 2025 14:51
 Operator : SY/MD
 Sample : Q1982-08
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

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: VY022290.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.483	119	125	133	rBV	21607	77558	5.35%	1.129%
2	7.634	960	970	976	rBV	197734	477584	32.96%	6.954%
3	7.707	976	982	1000	rVB	343878	785264	54.20%	11.434%
4	8.061	1030	1040	1052	rBV	184788	410361	28.32%	5.975%
5	8.610	1119	1130	1142	rBV	553722	1101114	76.00%	16.033%
6	9.542	1274	1283	1290	rBV	25777	50830	3.51%	0.740%
7	9.670	1296	1304	1312	rBV	42132	88787	6.13%	1.293%
8	9.884	1331	1339	1344	rBV3	9586	20561	1.42%	0.299%
9	10.042	1359	1365	1369	rBV	13707	25775	1.78%	0.375%
10	10.103	1369	1375	1384	rVV	848353	1448882	100.00%	21.097%
11	10.298	1399	1407	1412	rBV2	17520	29828	2.06%	0.434%
12	11.414	1582	1590	1605	rBV	659738	1064221	73.45%	15.496%
13	12.316	1733	1738	1746	rVB4	9309	16110	1.11%	0.235%
14	12.402	1746	1752	1762	rBV	448977	725637	50.08%	10.566%
15	13.346	1900	1907	1915	rVB	340472	524738	36.22%	7.641%
16	15.730	2292	2298	2304	rBV6	10750	20462	1.41%	0.298%

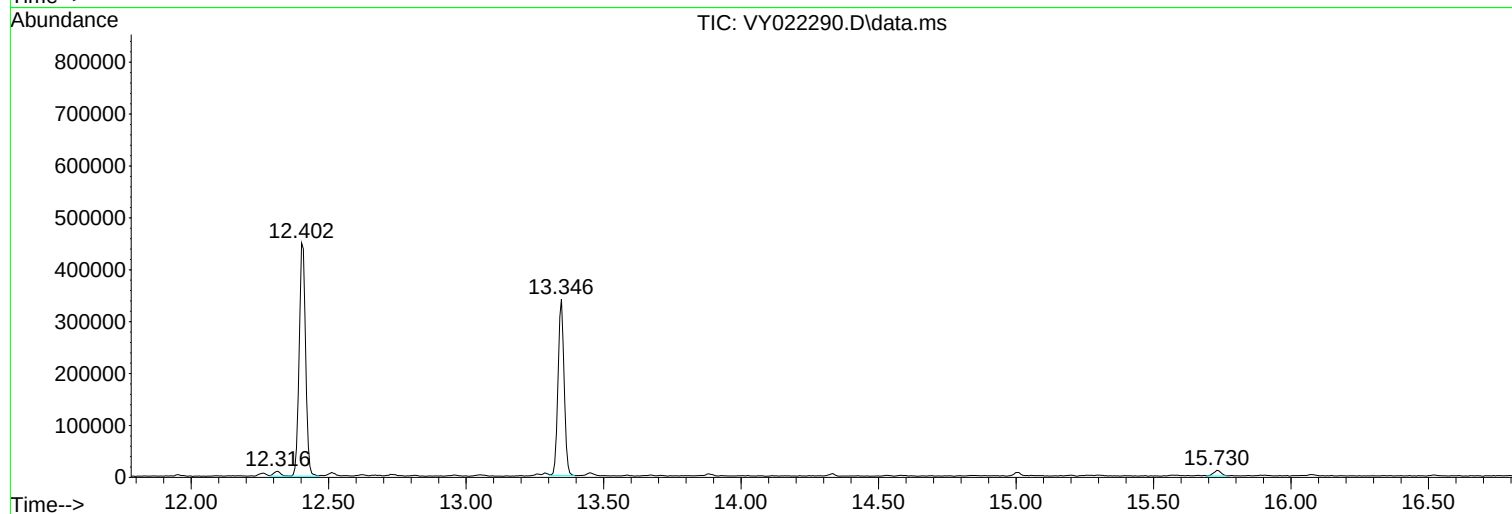
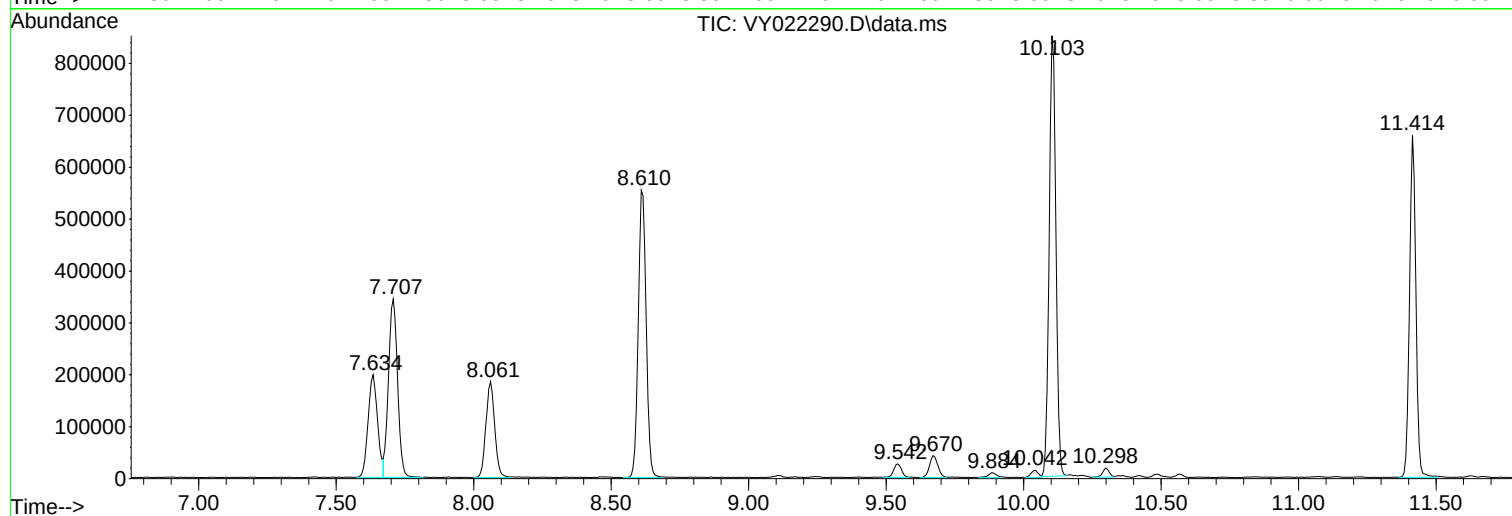
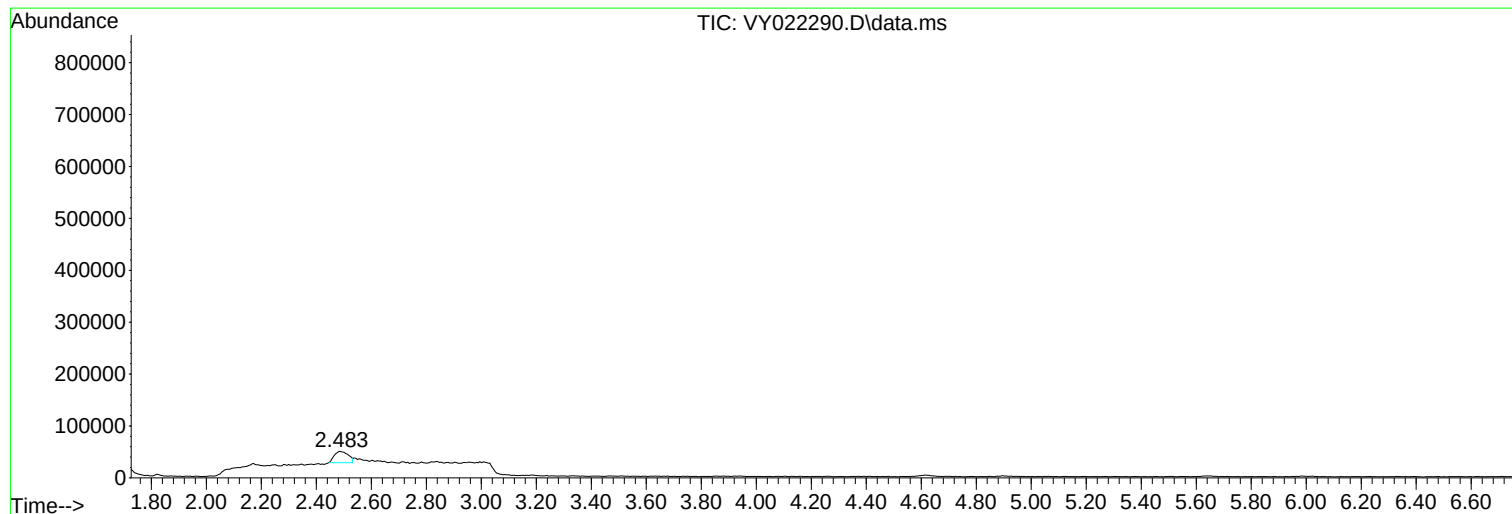
Sum of corrected areas: 6867712

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

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\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

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\VY051625\
Data File : VY022290.D
Acq On : 16 May 2025 14:51
Operator : SY/MD
Sample : Q1982-08
Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

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



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.: Q1982 SAS No.: Q1982 SDG No.: Q1982
 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.: Q1982 SAS No.: Q1982 SDG No.: Q1982
 Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025
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 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

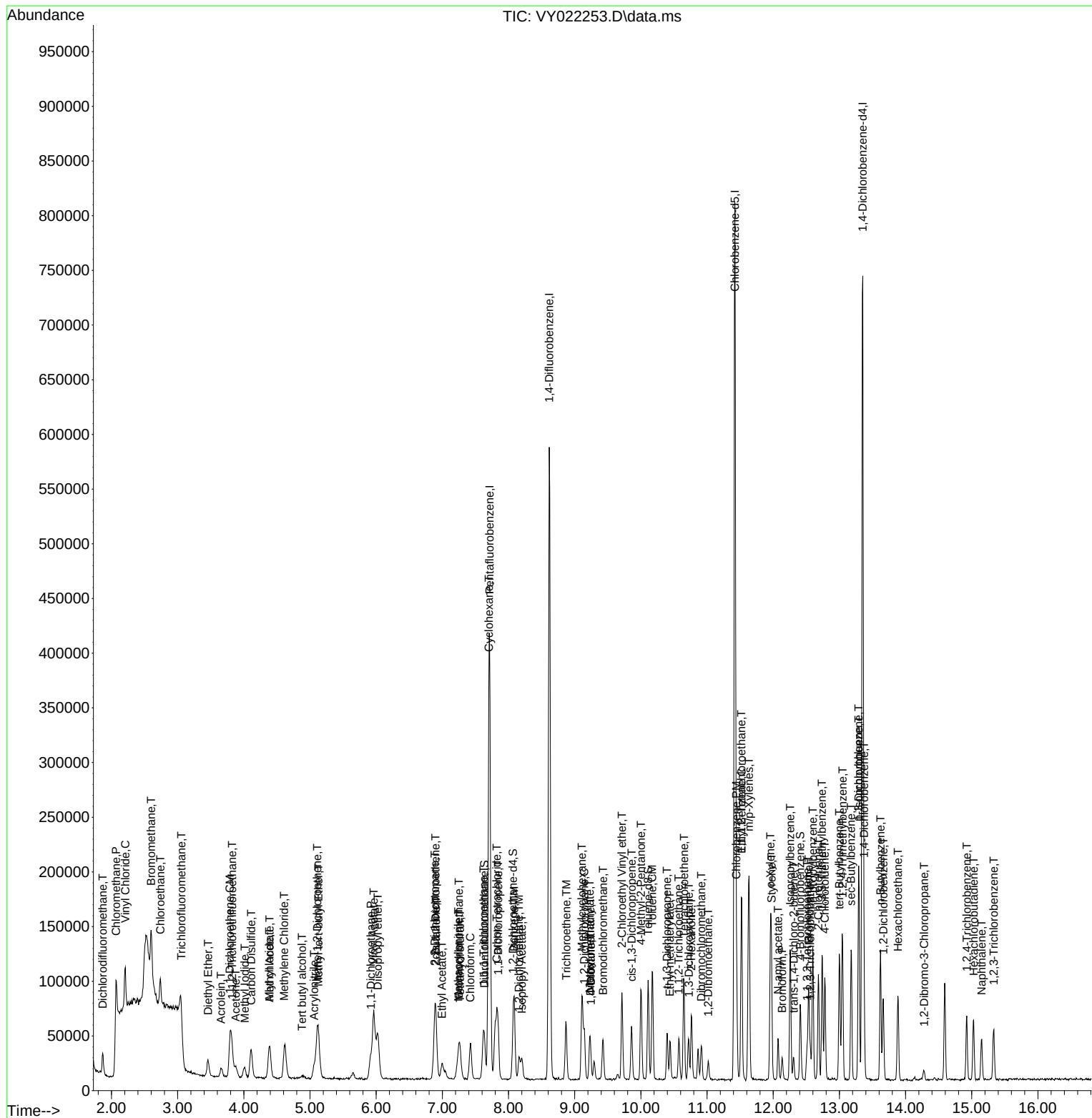
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

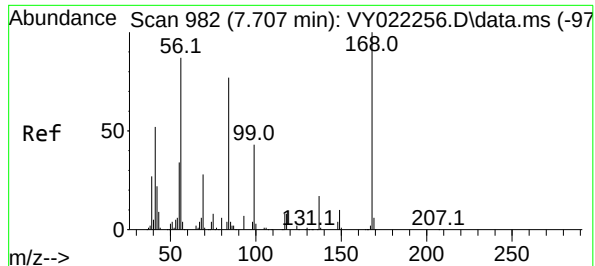
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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





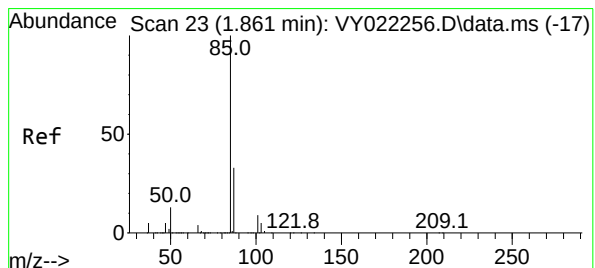
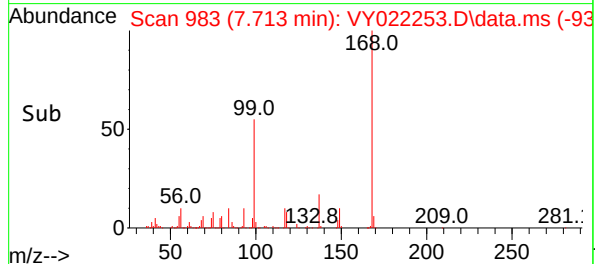
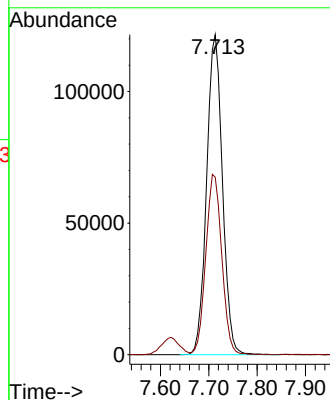
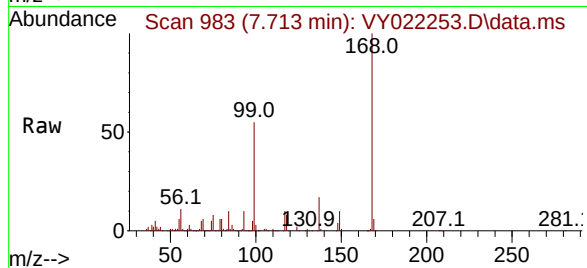
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

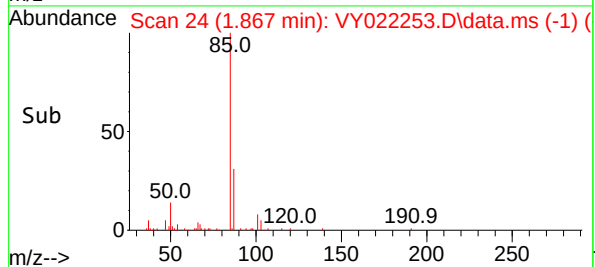
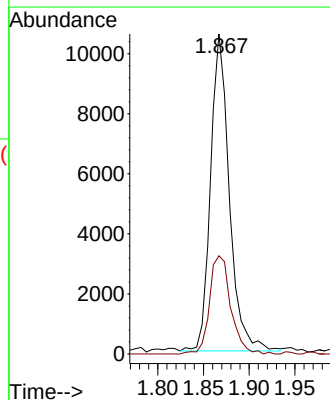
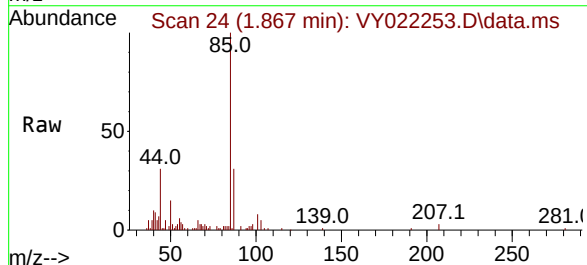
Manual Integrations
APPROVED

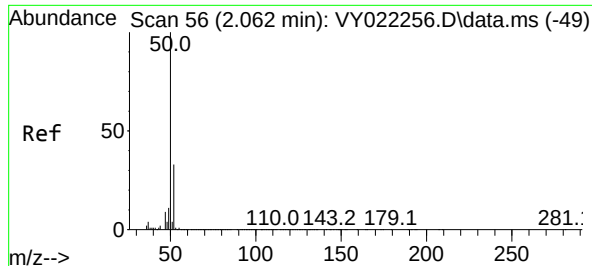
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

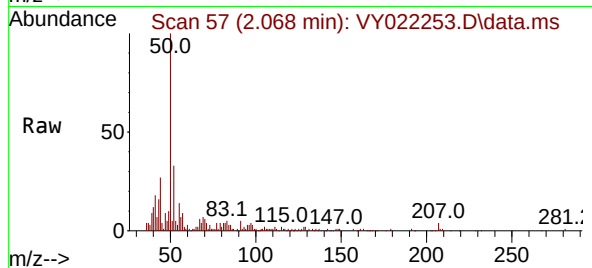
Tgt Ion: 85 Resp: 15071
Ion Ratio Lower Upper
85 100
87 31.0 16.5 49.5





#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

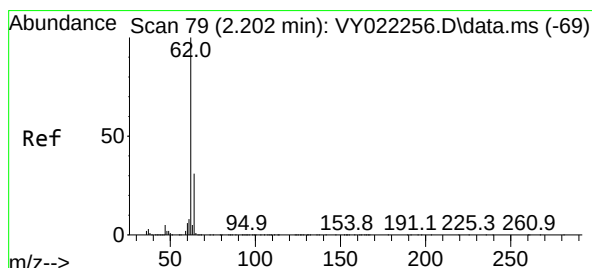
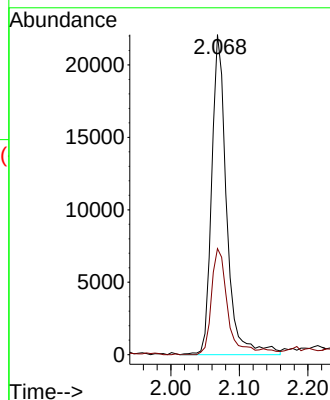
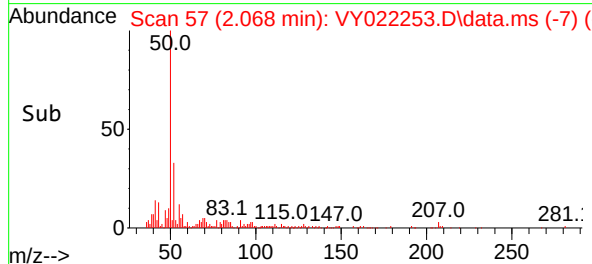
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

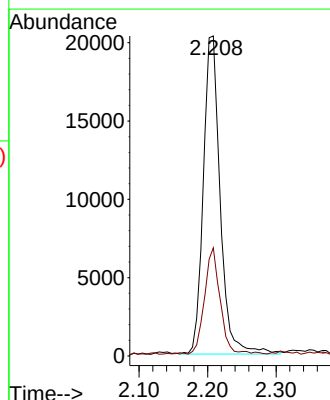
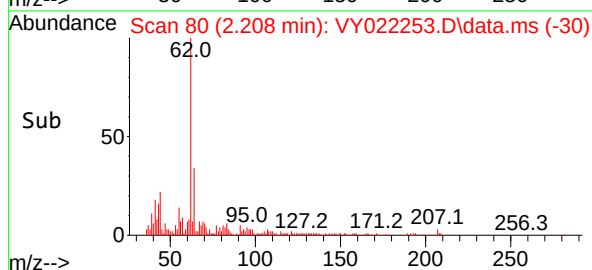
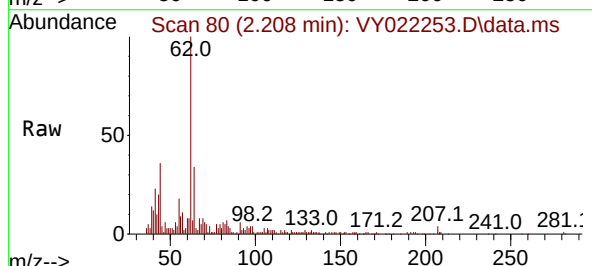
Manual Integrations
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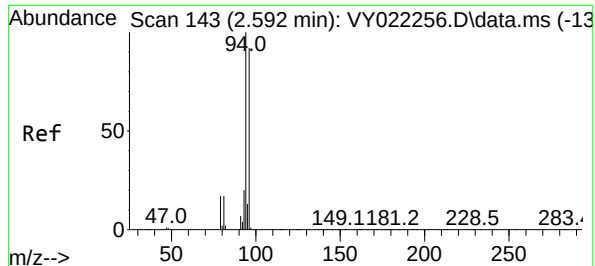
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





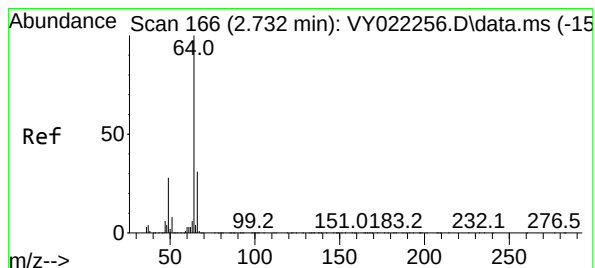
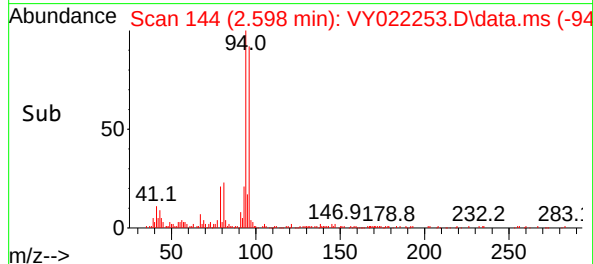
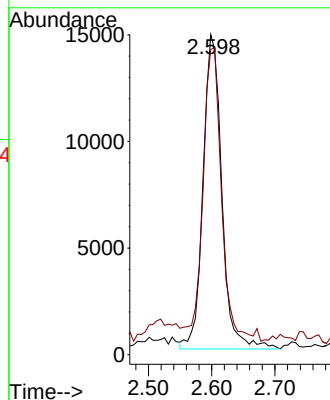
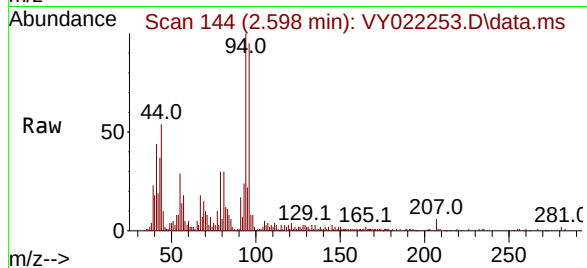
#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

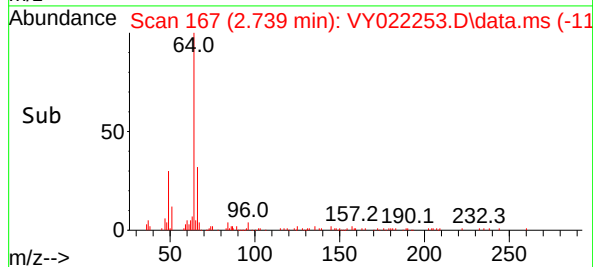
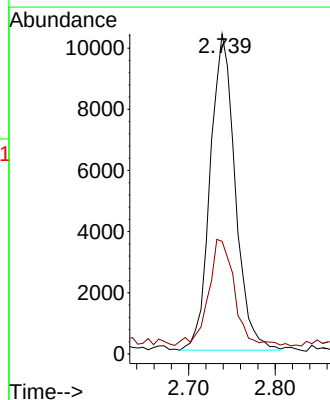
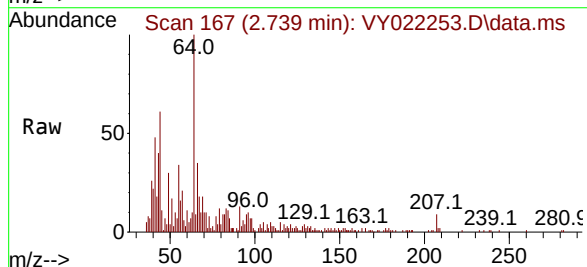
Manual Integrations
APPROVED

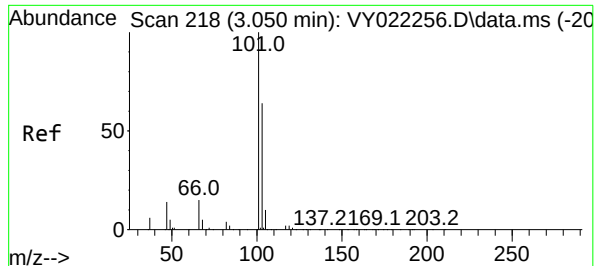
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

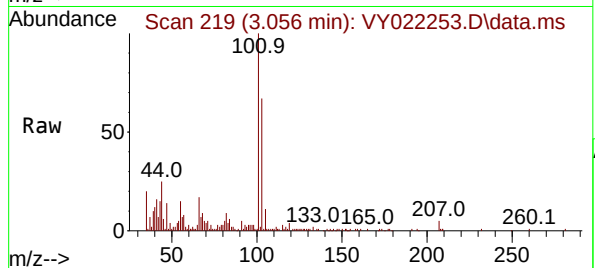
Tgt Ion: 64 Resp: 20741
Ion Ratio Lower Upper
64 100
66 32.8 24.8 37.2





#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

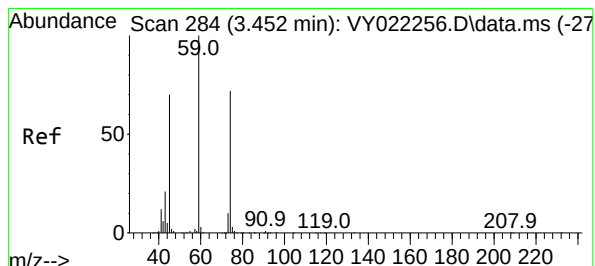
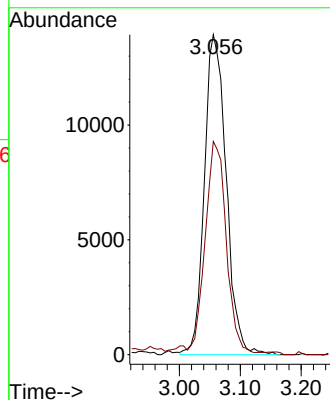
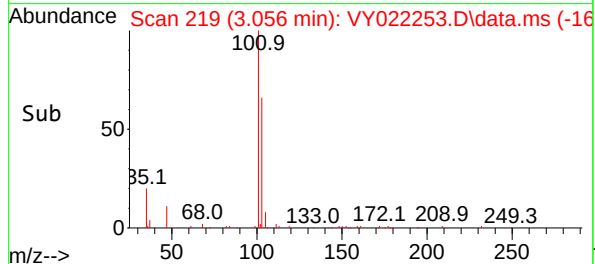
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

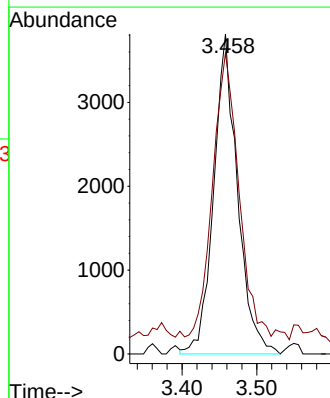
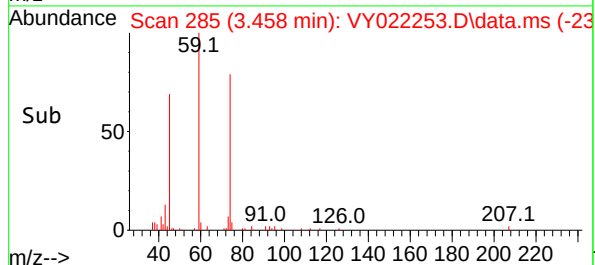
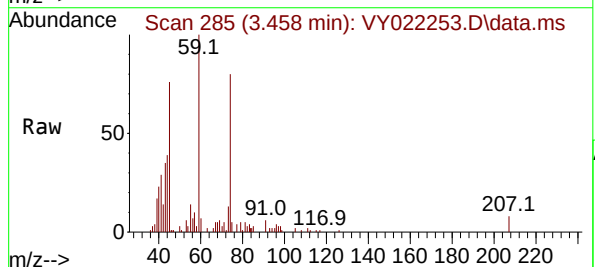
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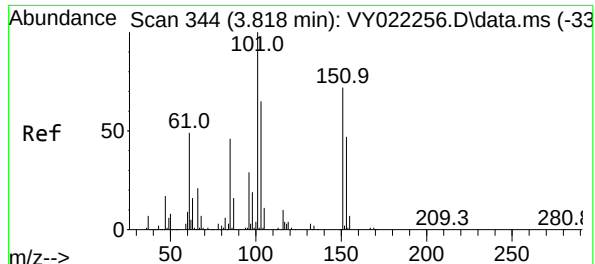
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





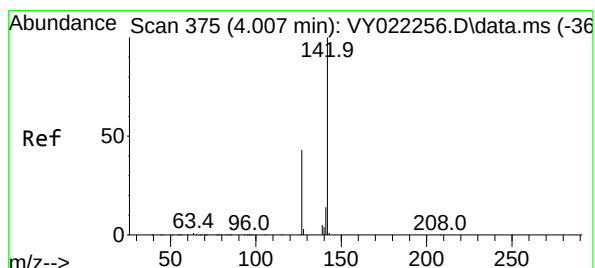
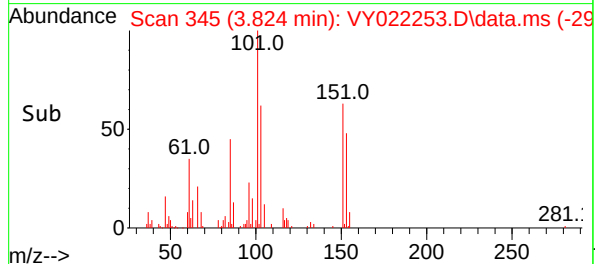
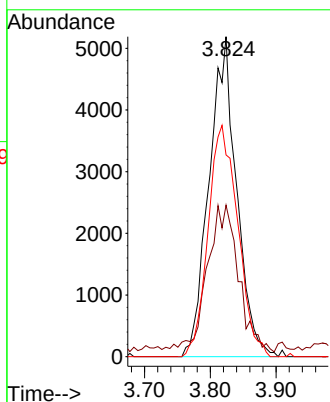
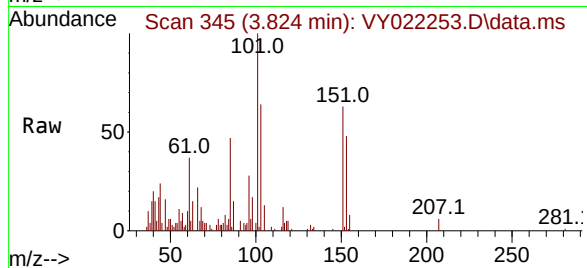
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

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

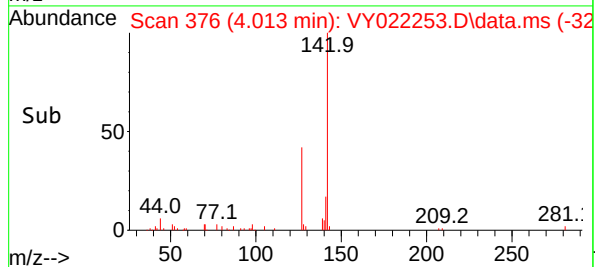
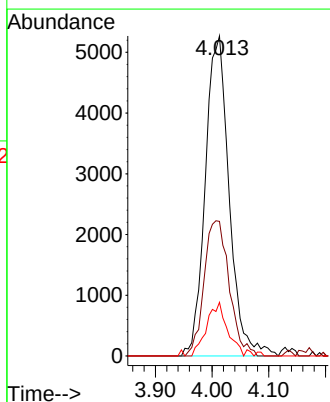
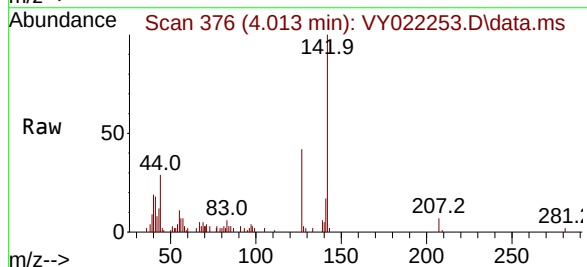
Manual Integrations
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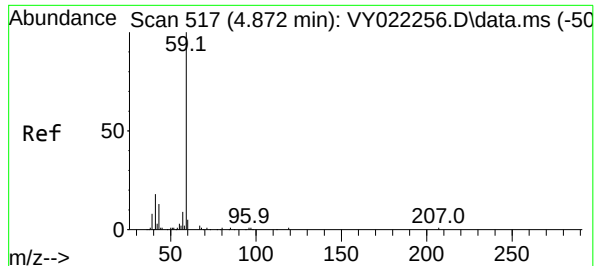
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

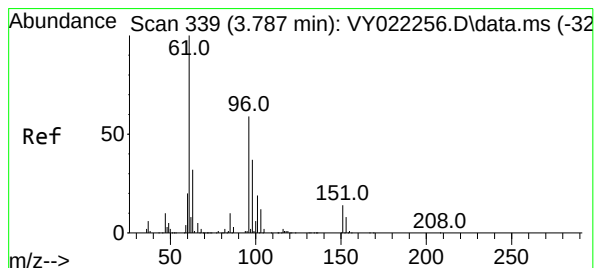
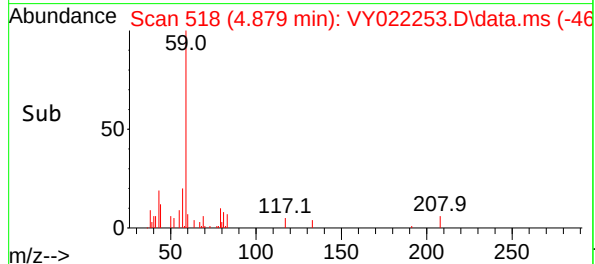
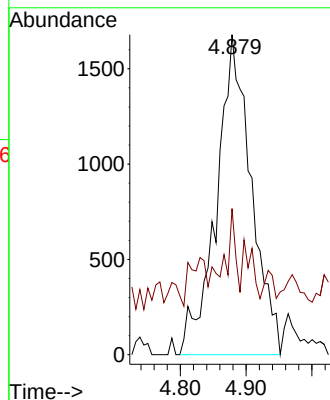
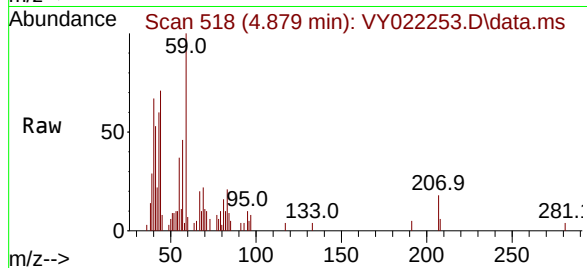
Ion Ratio Lower Upper

59 100

57 5.4 0.0 0.0

Manual Integrations

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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

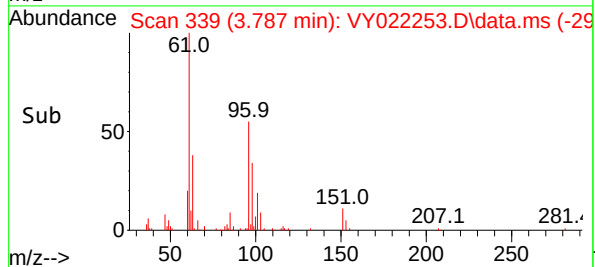
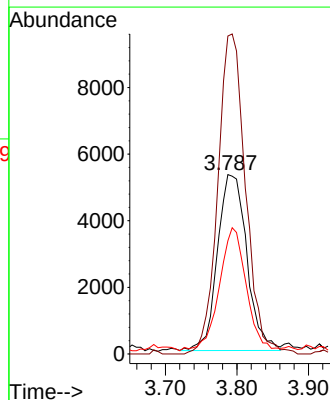
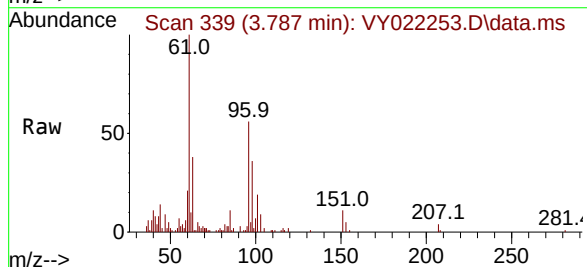
Tgt Ion: 96 Resp: 15064

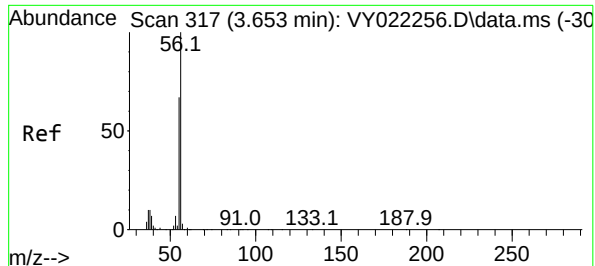
Ion Ratio Lower Upper

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

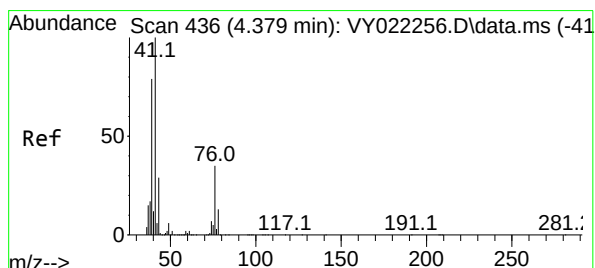
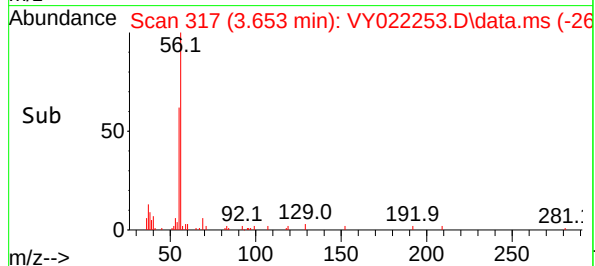
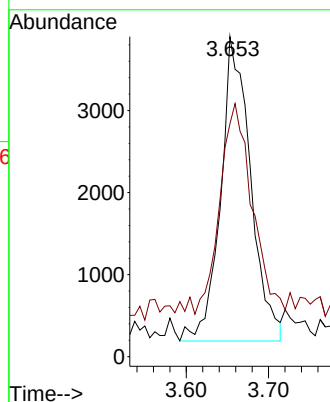
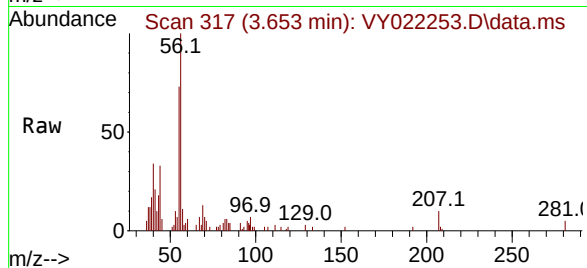
ClientSampleId :

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

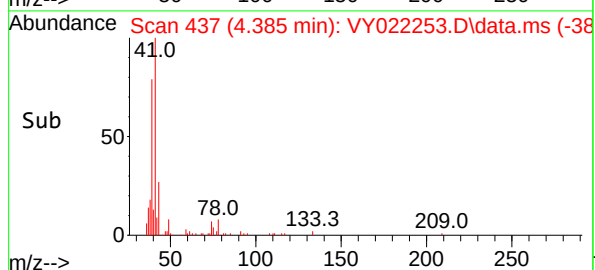
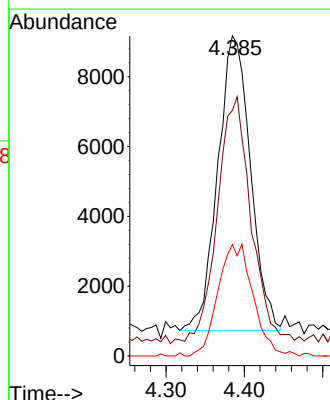
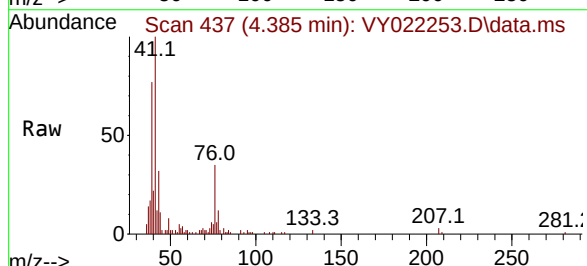
Tgt Ion: 41 Resp: 24537

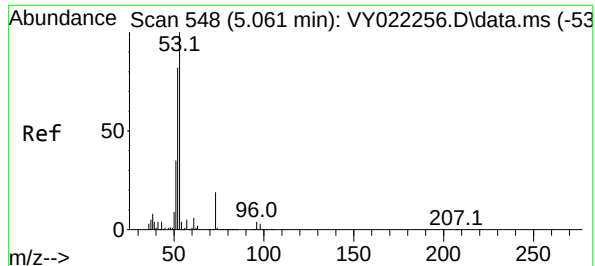
Ion Ratio Lower Upper

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 :

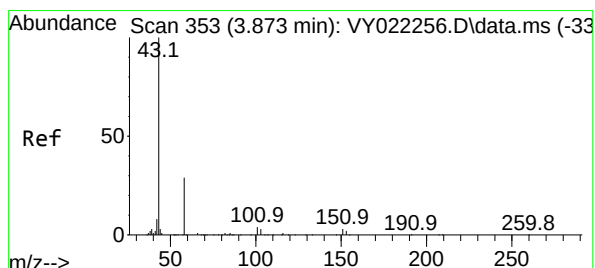
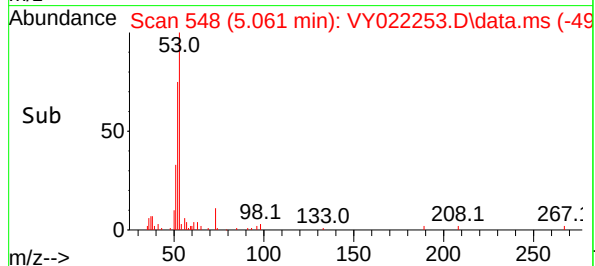
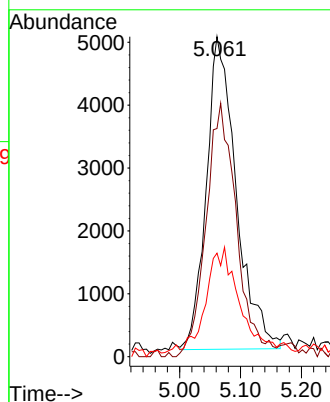
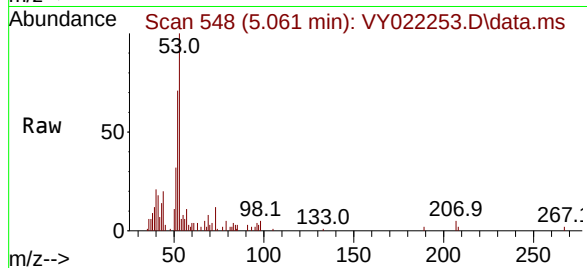
VSTDIC005

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

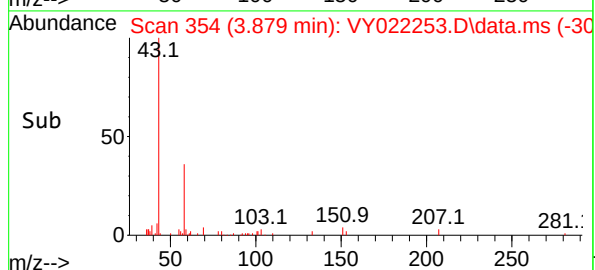
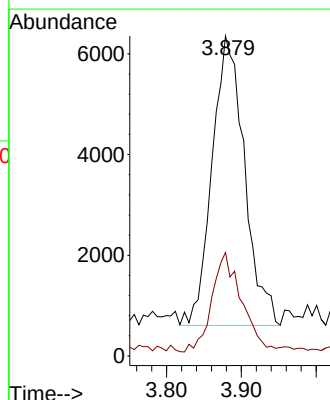
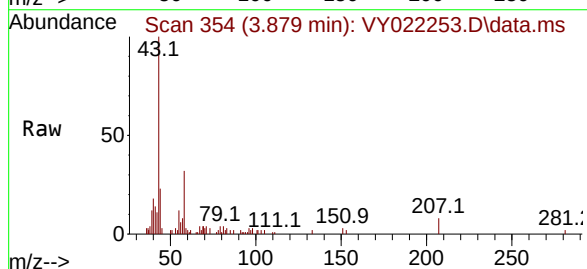
RT: 3.879 min Scan# 354

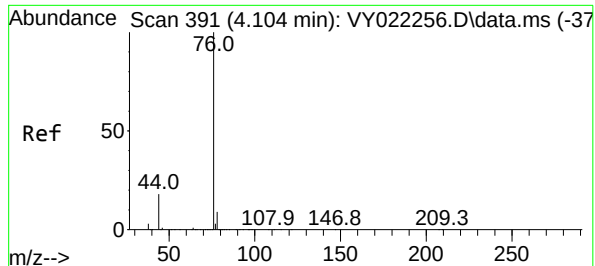
Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

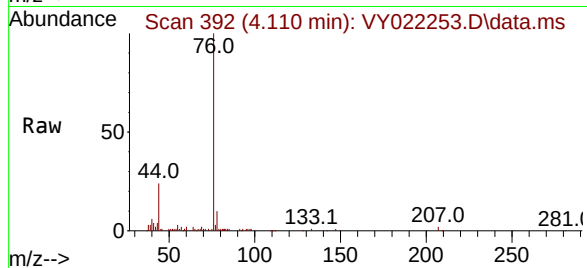
Tgt Ion:	43	Resp:	17340
Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.6	35.4





#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

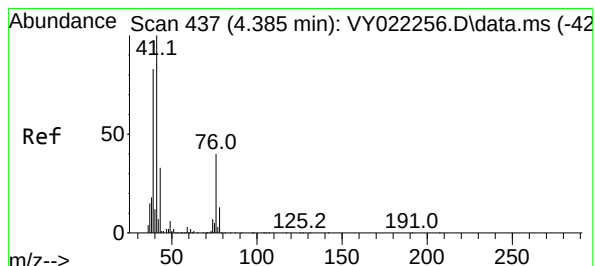
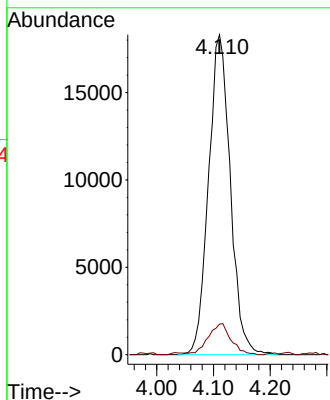
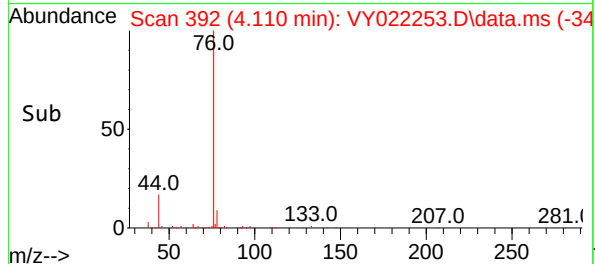
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

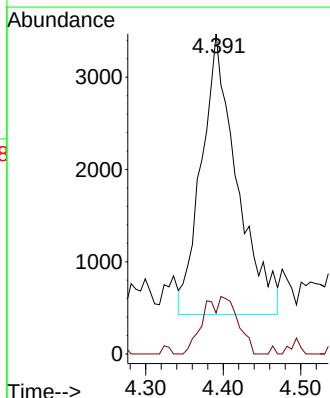
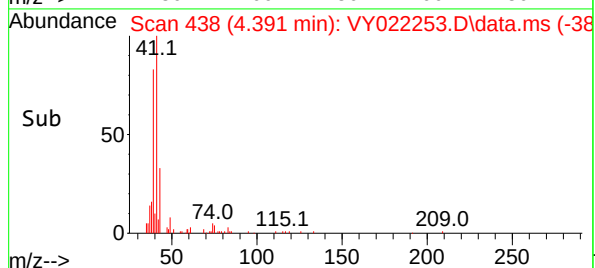
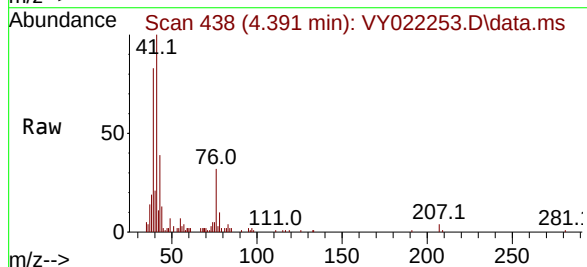
Manual Integrations
APPROVED

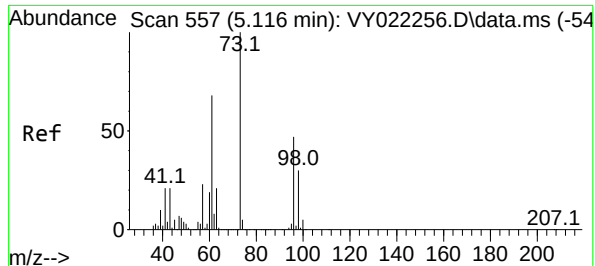
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

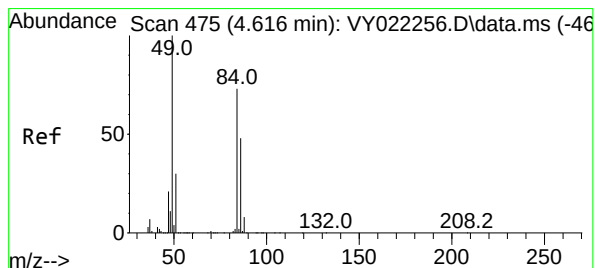
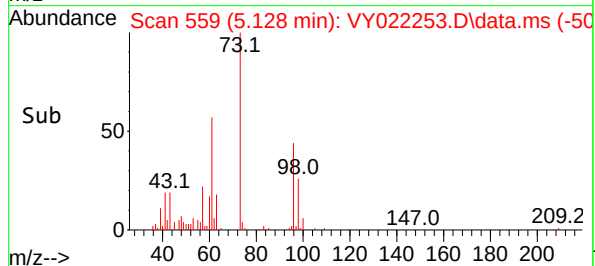
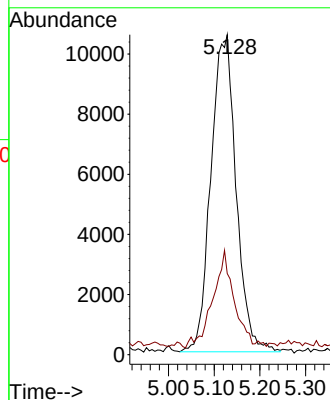
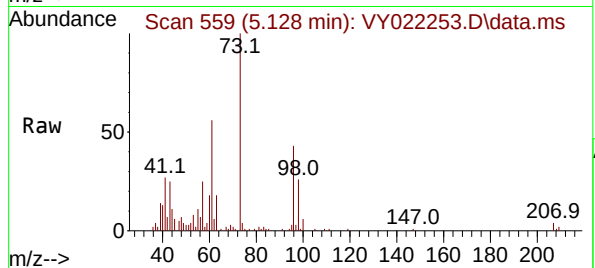
73 100

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

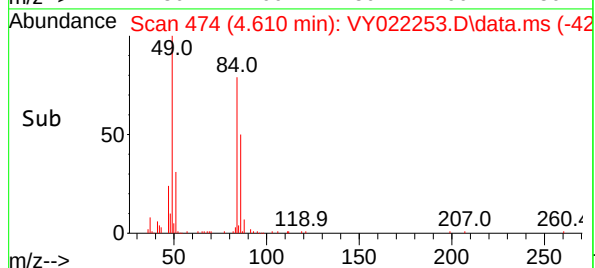
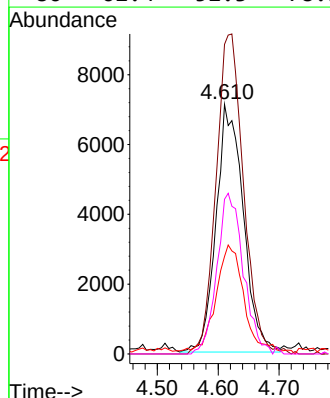
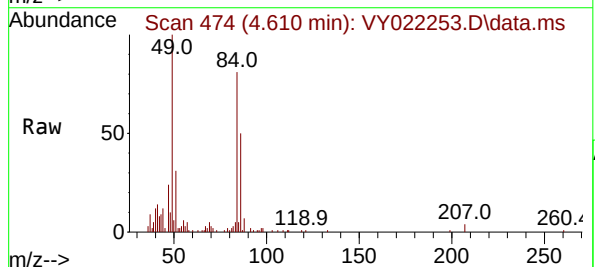
Ion Ratio Lower Upper

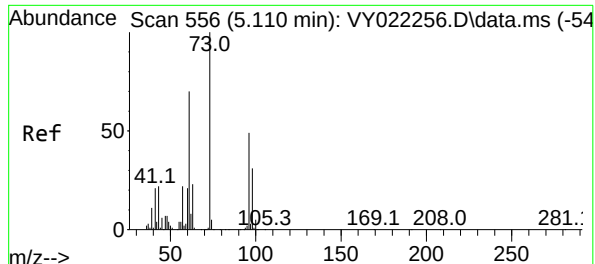
84 100

49 125.0 109.6 164.4

51 38.1 32.4 48.6

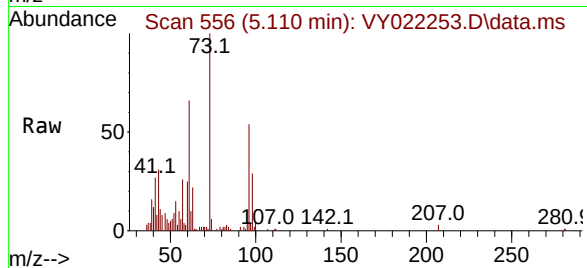
86 62.4 52.3 78.5





#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

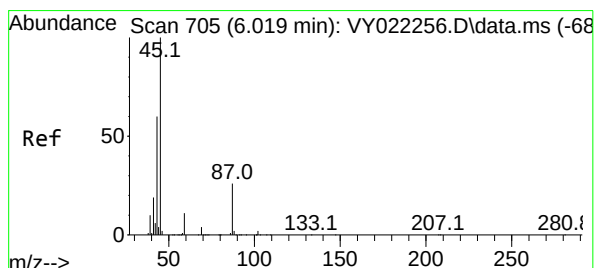
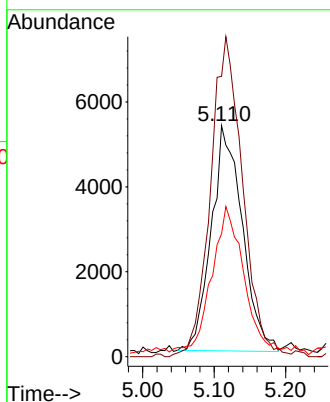
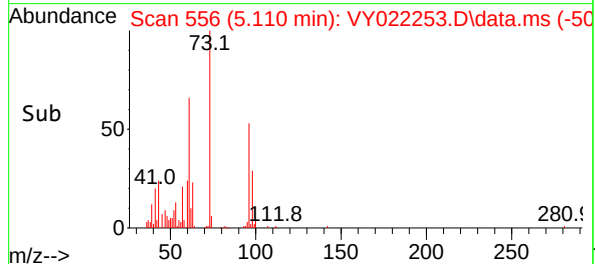
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

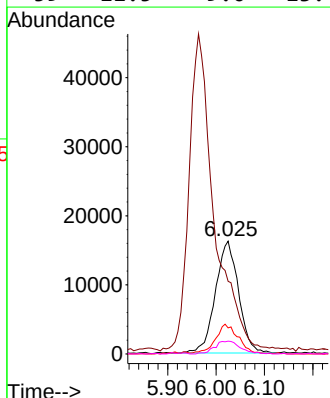
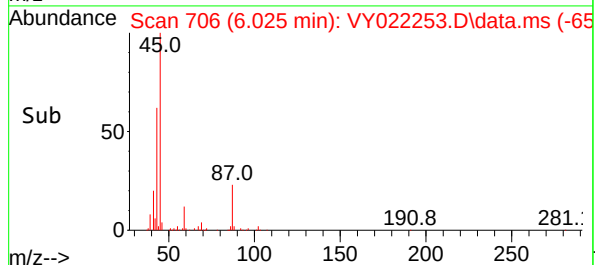
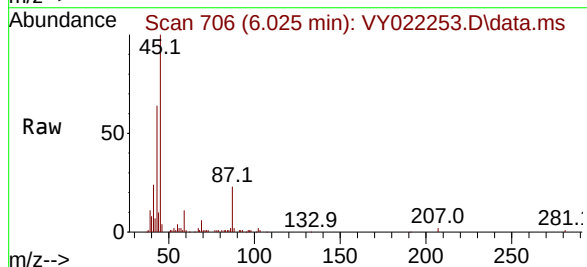
Manual Integrations
APPROVED

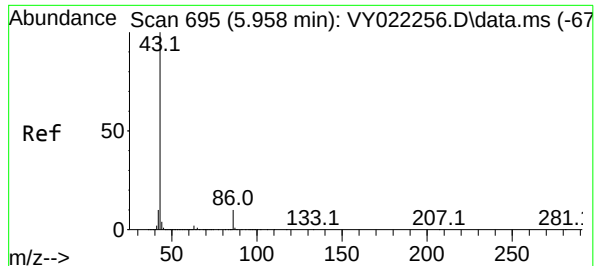
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

VSTDIC005

Tgt Ion: 43 Resp: 167594

Ion Ratio Lower Upper

43

100

86

11.3

7.8

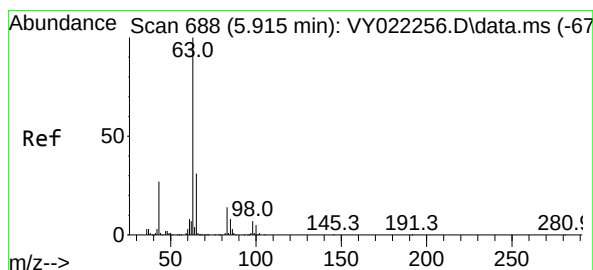
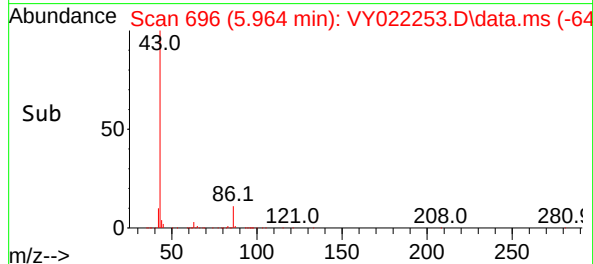
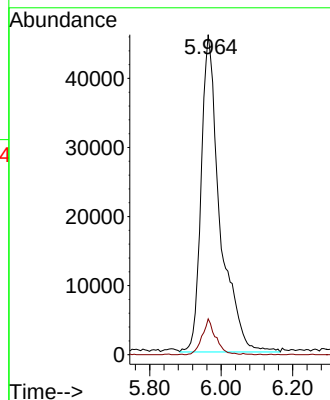
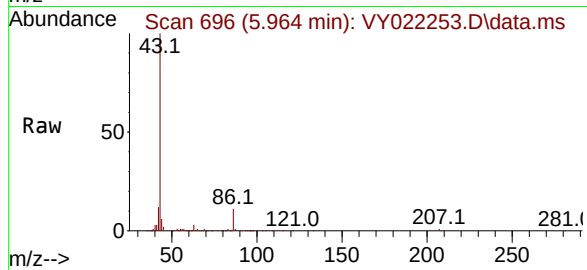
11.8

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

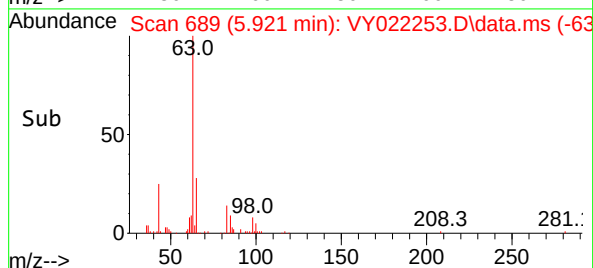
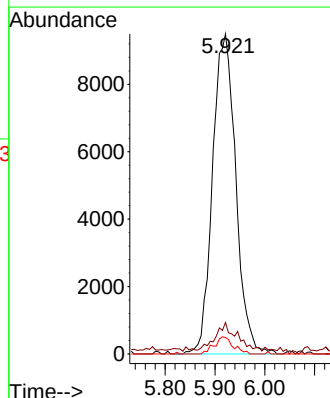
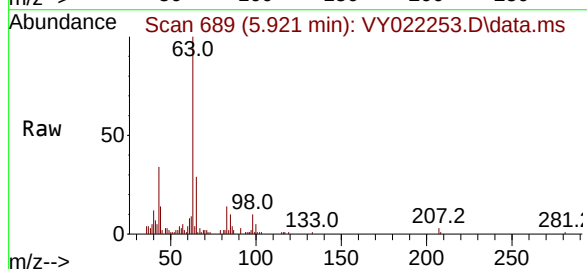
10.5

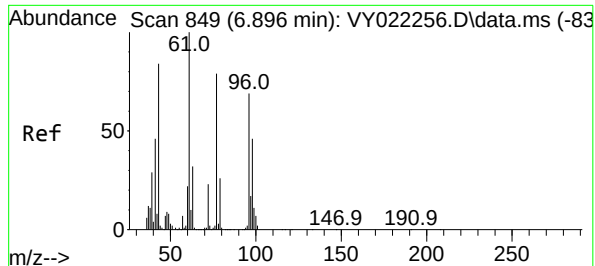
100

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

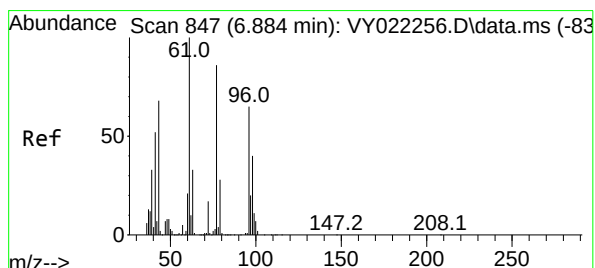
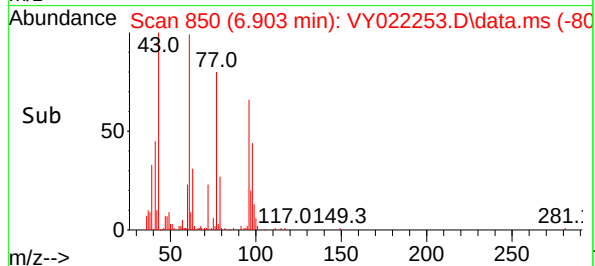
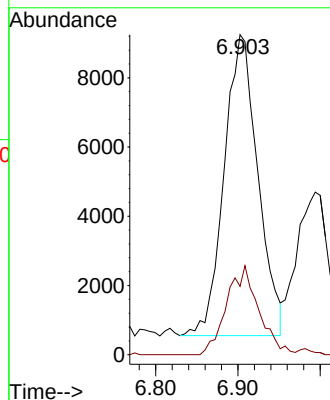
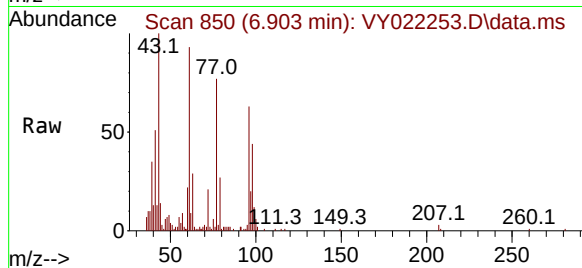
Ion Ratio Lower Upper

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

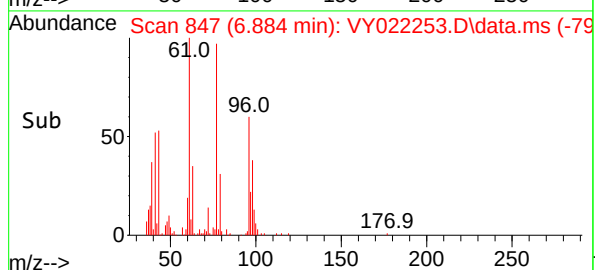
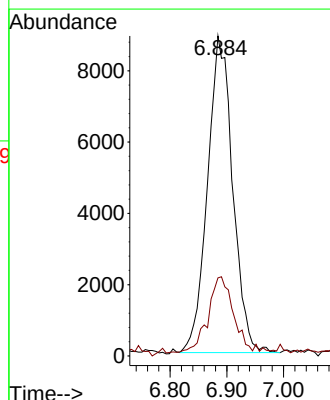
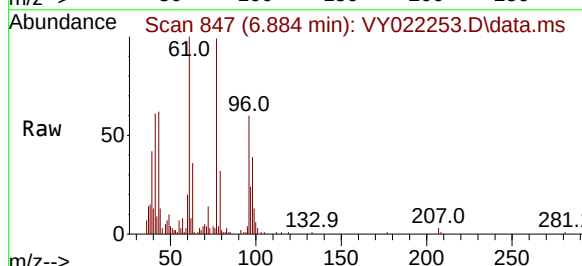
Acq: 15 May 2025 09:46

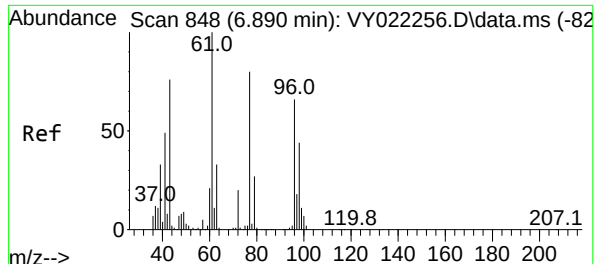
Tgt Ion: 77 Resp: 27440

Ion Ratio Lower Upper

77 100

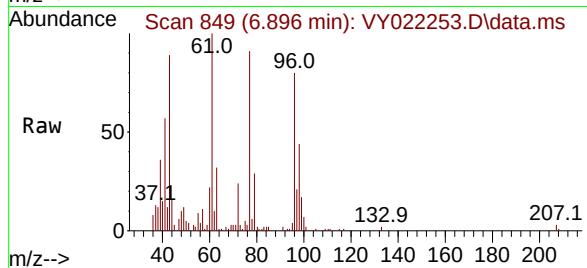
97 23.9 11.2 33.5





#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

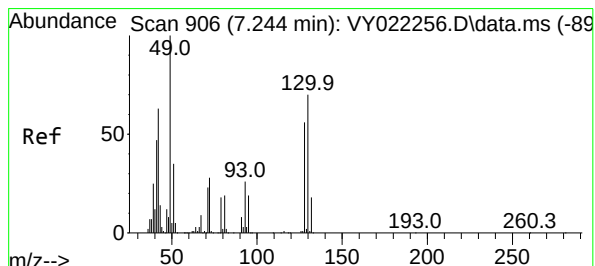
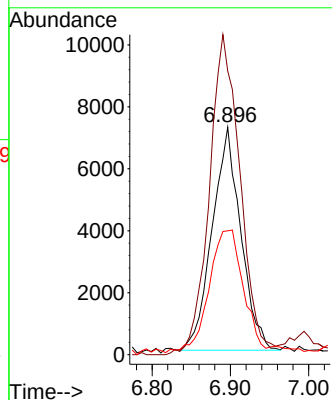
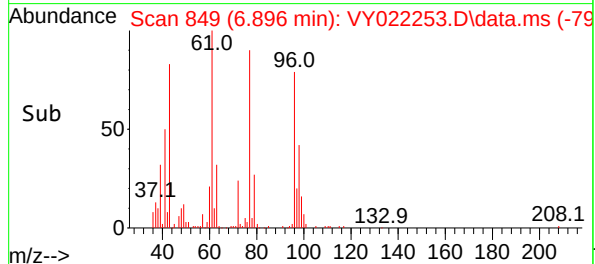
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



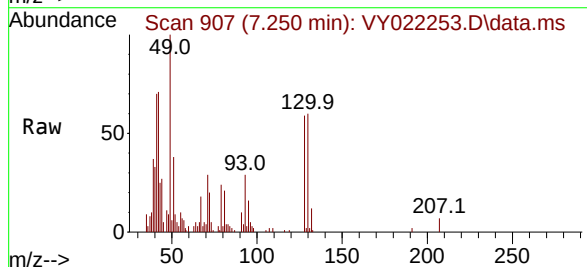
Tgt Ion: 96 Resp: 18270
Ion Ratio Lower Upper
96 100
61 154.3 0.0 302.6
98 66.0 0.0 128.8

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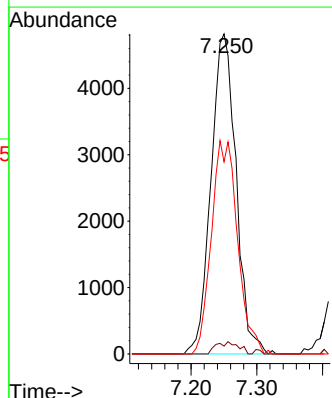
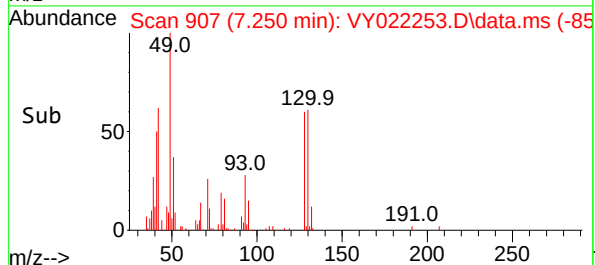
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

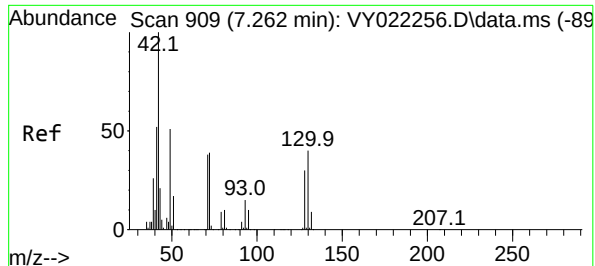


#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



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

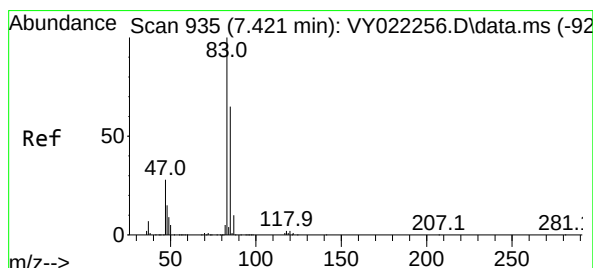
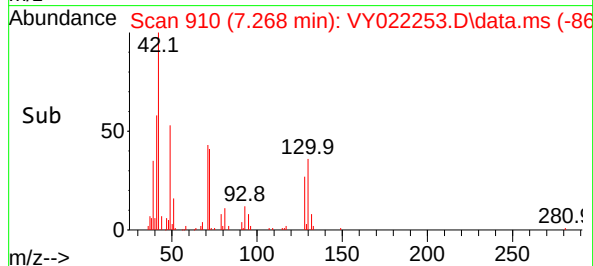
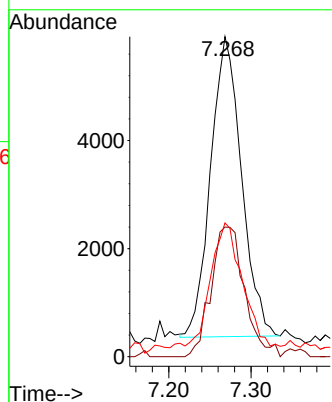
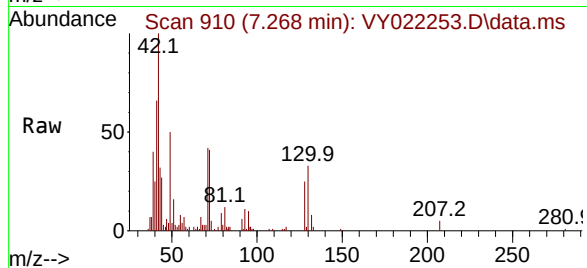
42 100

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

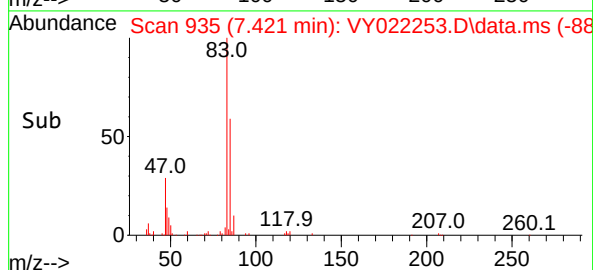
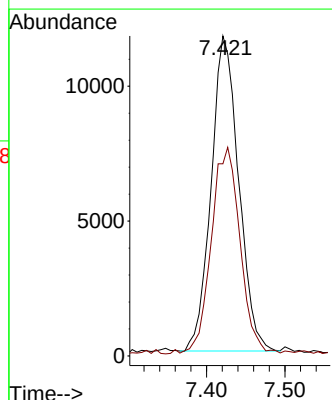
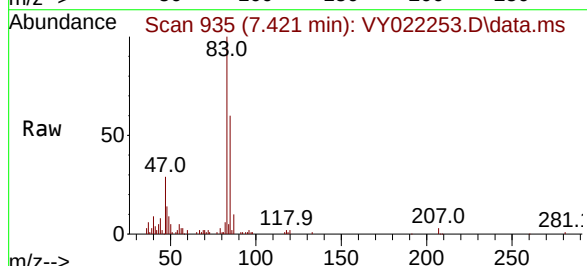
Acq: 15 May 2025 09:46

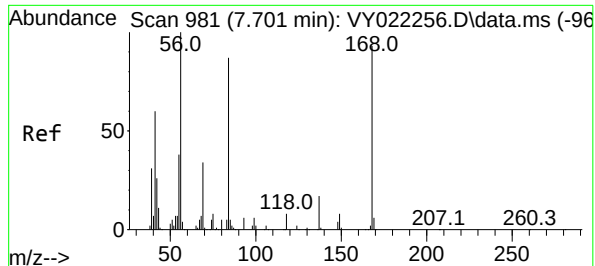
Tgt Ion: 83 Resp: 28505

Ion Ratio Lower Upper

83 100

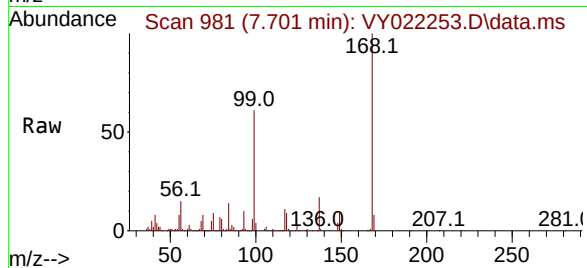
85 60.1 51.8 77.8





#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

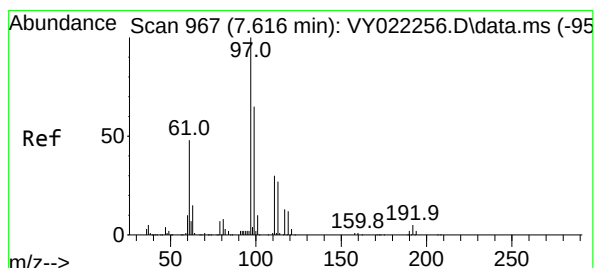
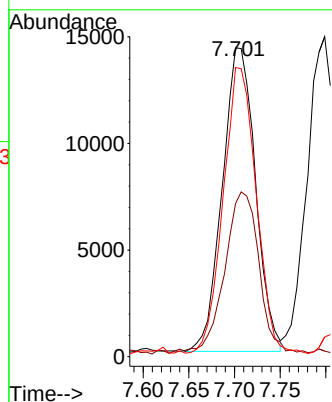
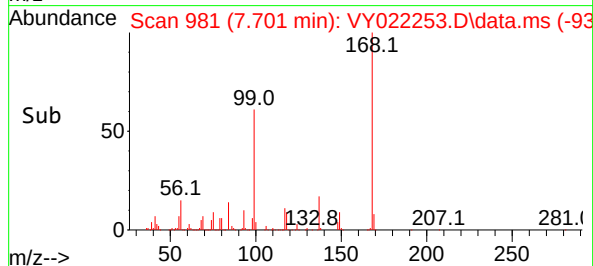
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



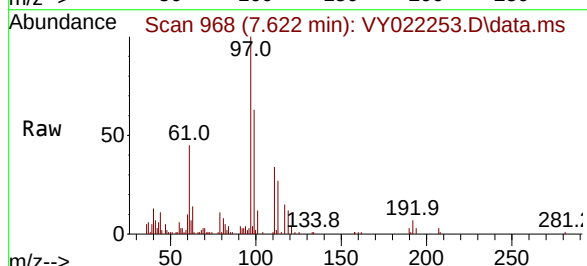
Tgt Ion: 56 Resp: 35904
Ion Ratio Lower Upper
56 100
69 48.0 27.4 41.2
84 93.4 70.0 105.0

Manual Integrations
APPROVED

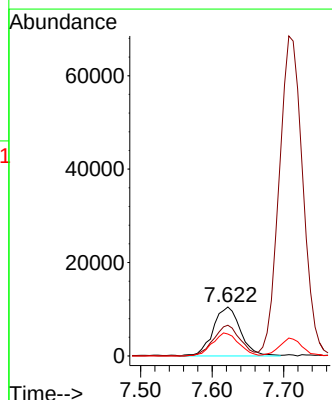
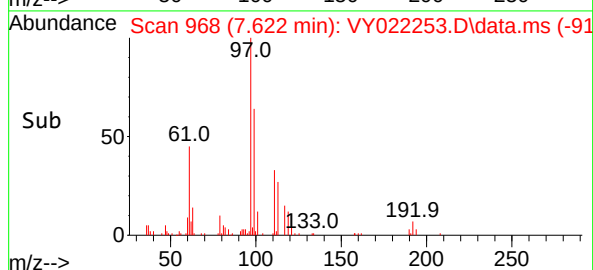
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

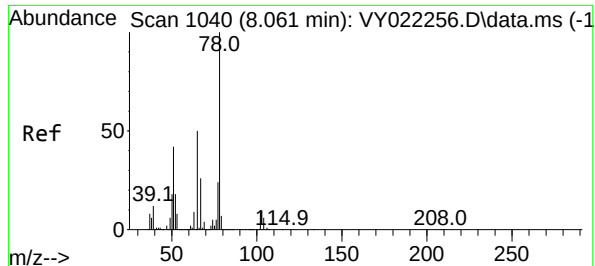


#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



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

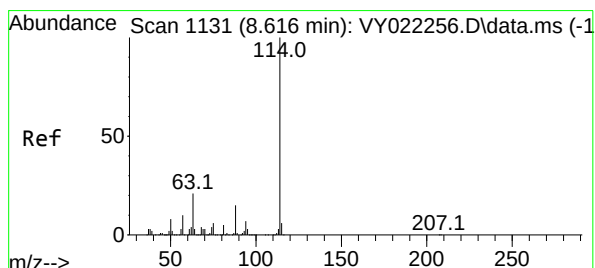
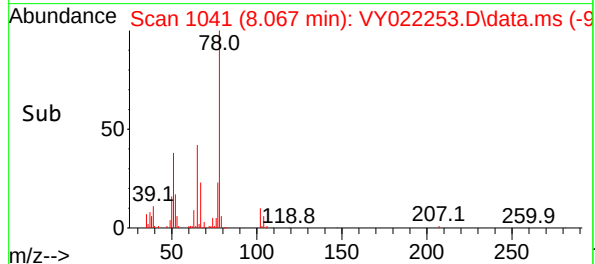
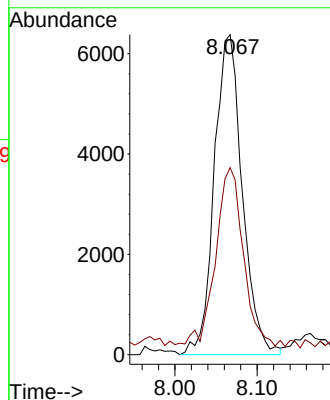
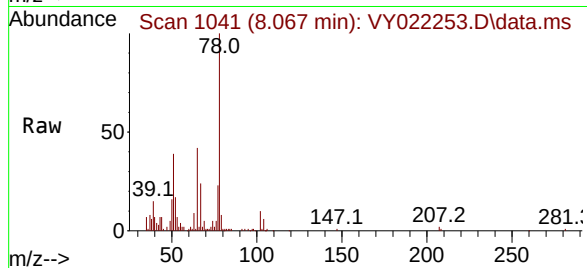
Ion Ratio Lower Upper

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

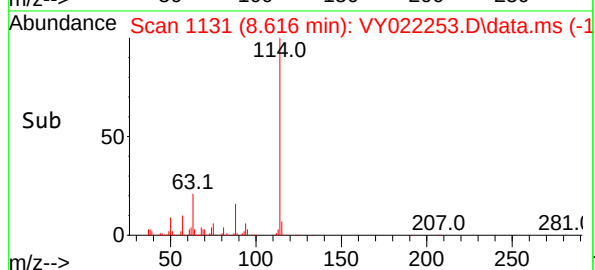
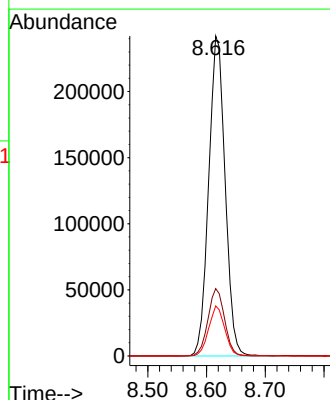
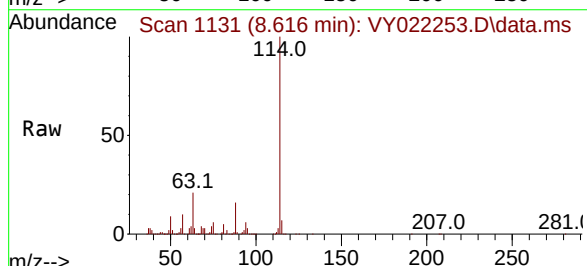
Tgt Ion:114 Resp: 470488

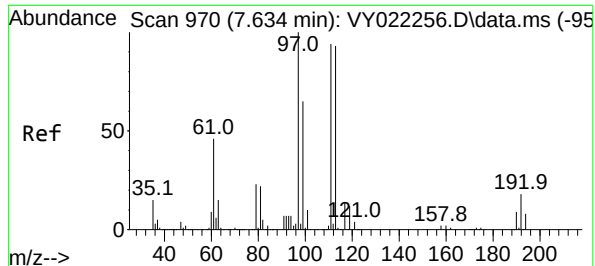
Ion Ratio Lower Upper

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 :

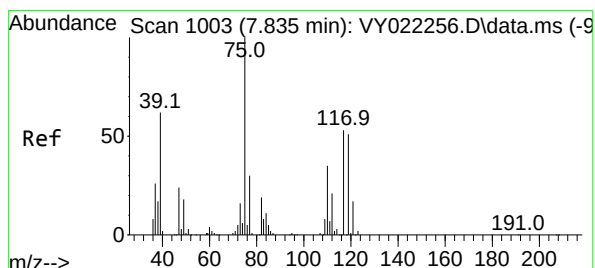
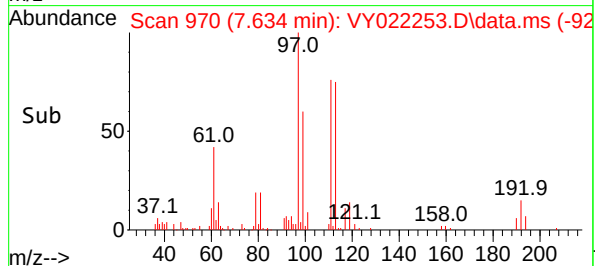
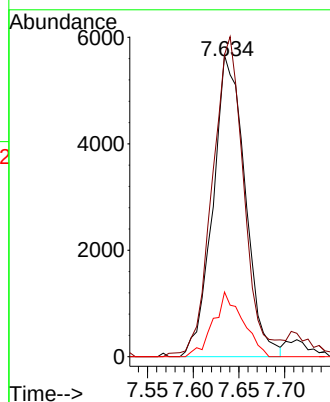
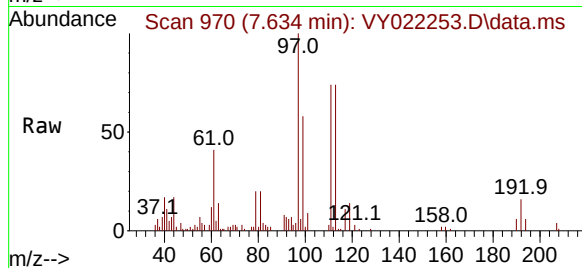
VSTDIC005

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

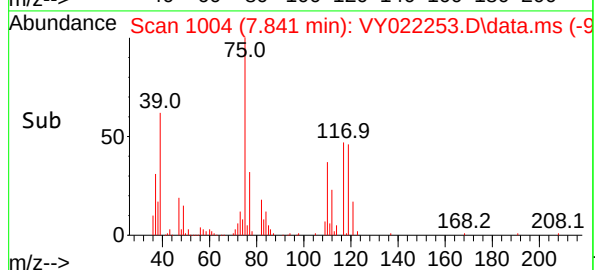
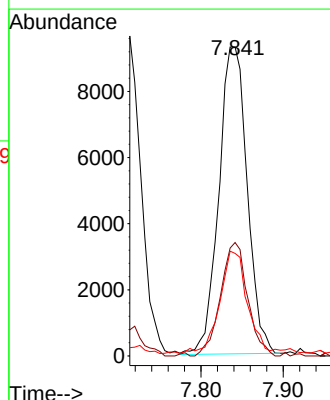
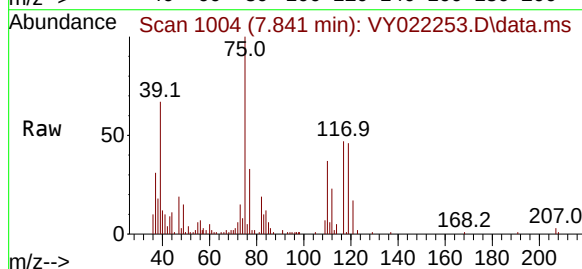
RT: 7.841 min Scan# 1004

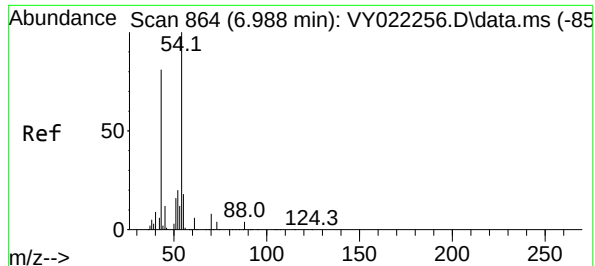
Delta R.T. 0.006 min

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

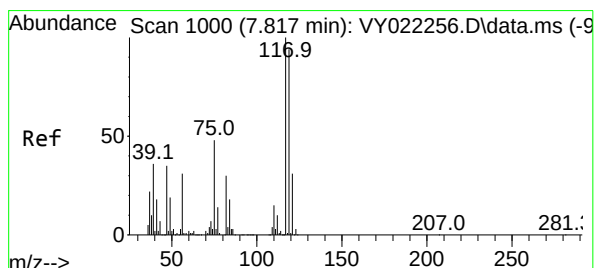
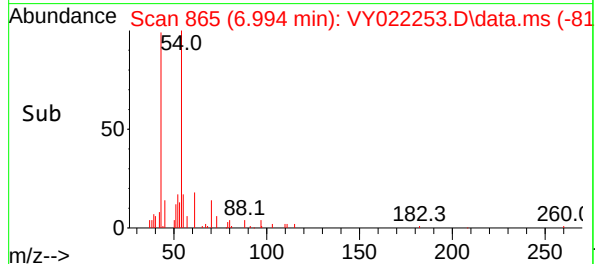
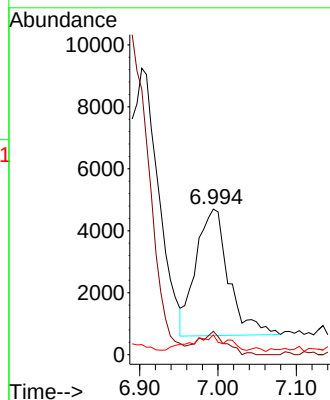
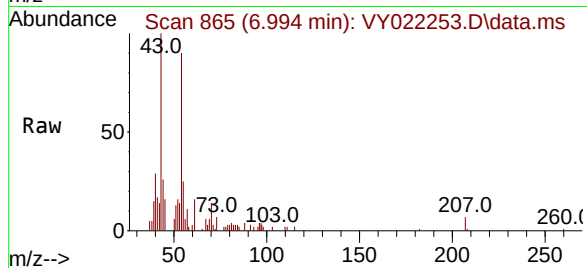
43 100

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

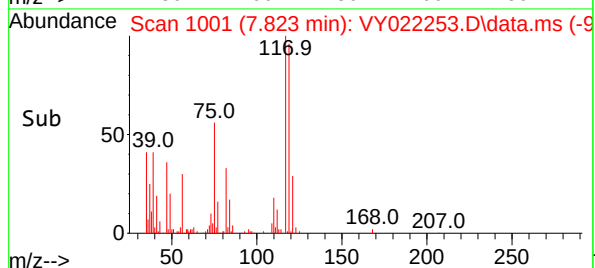
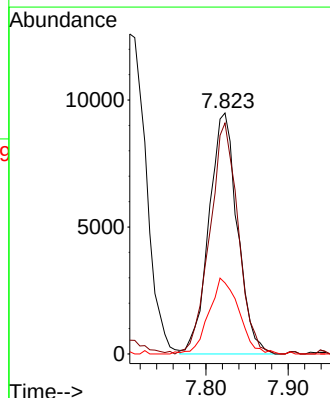
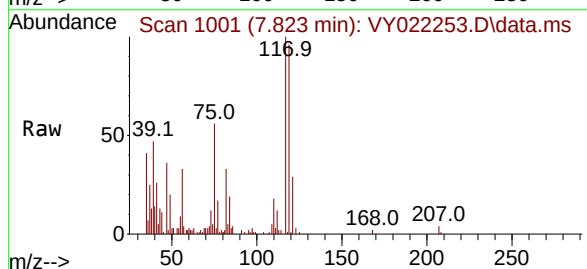
Tgt Ion:117 Resp: 22826

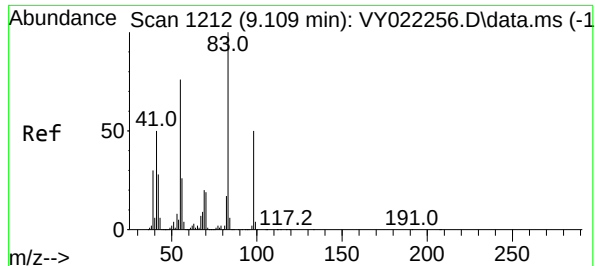
Ion Ratio Lower Upper

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

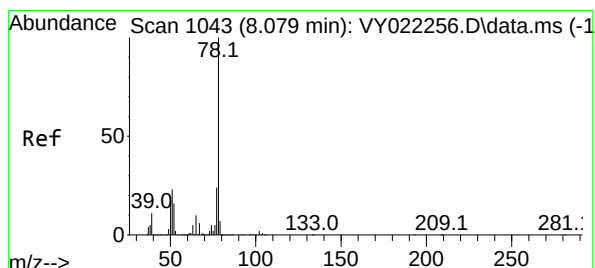
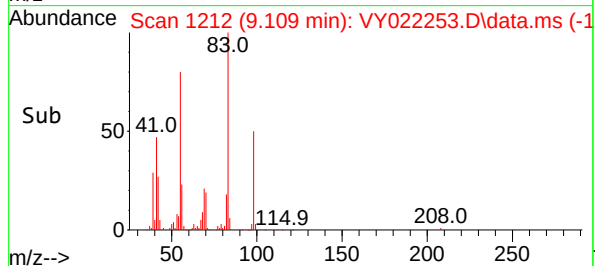
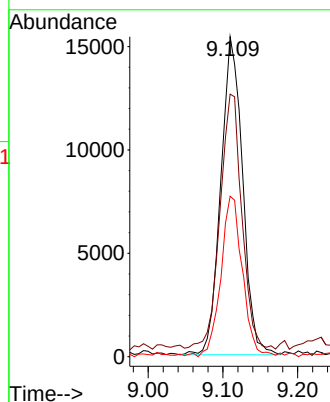
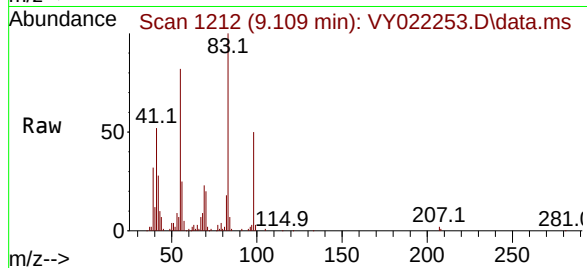
83 100

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

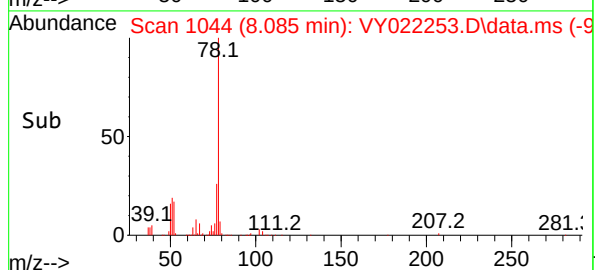
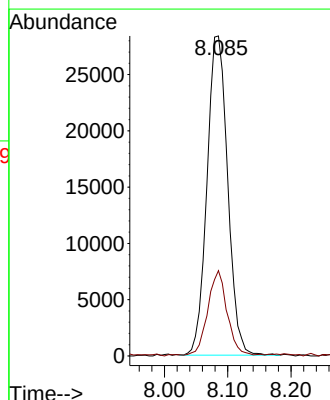
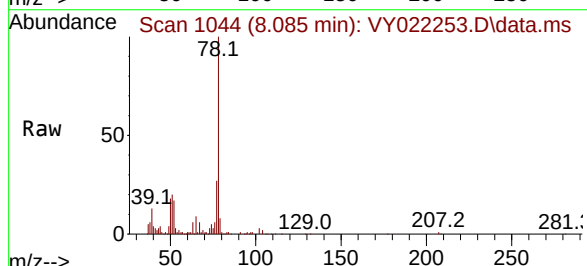
Acq: 15 May 2025 09:46

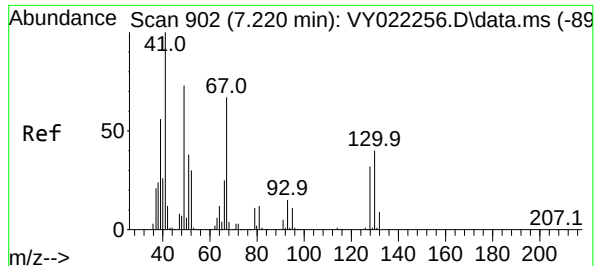
Tgt Ion: 78 Resp: 64430

Ion Ratio Lower Upper

78 100

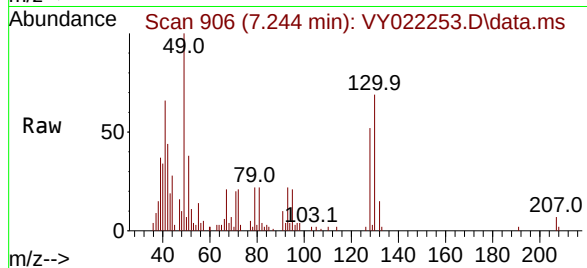
77 26.4 18.9 28.3





#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

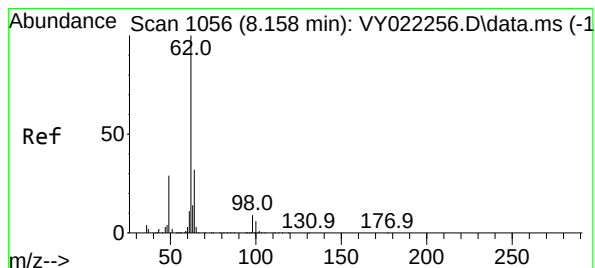
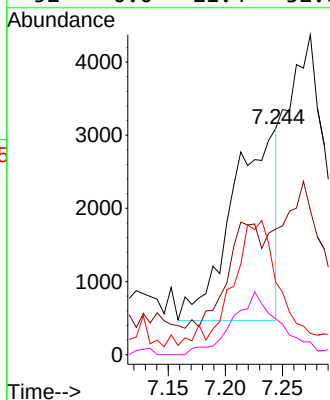
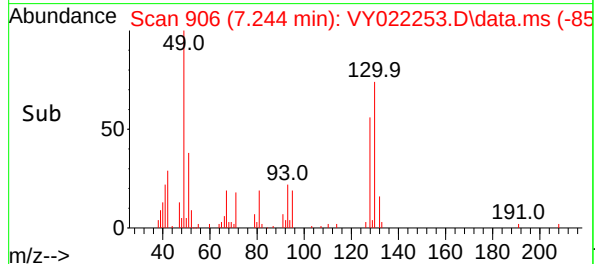
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

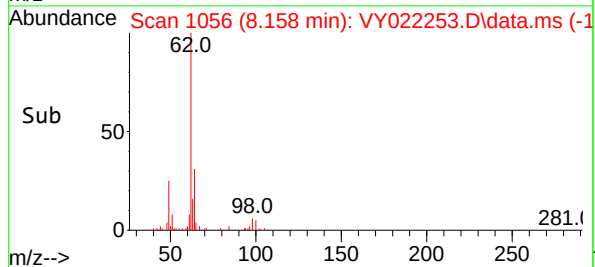
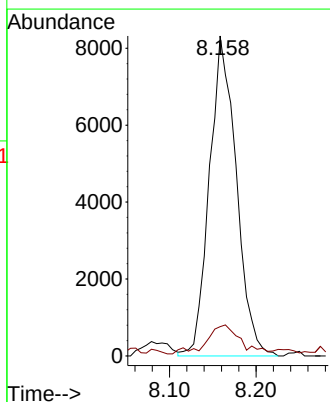
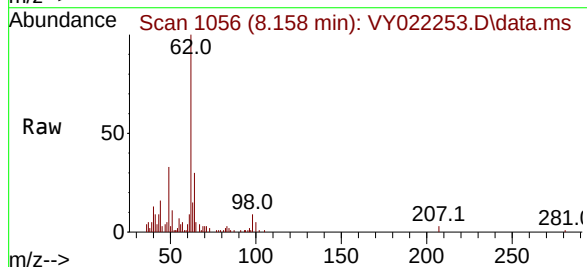
Manual Integrations
APPROVED

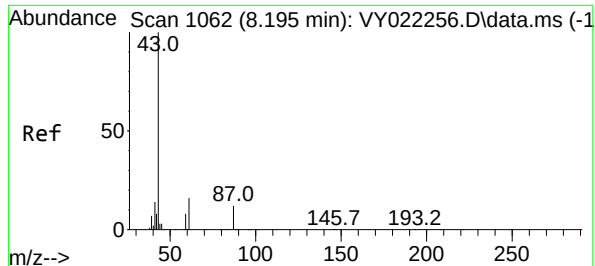
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

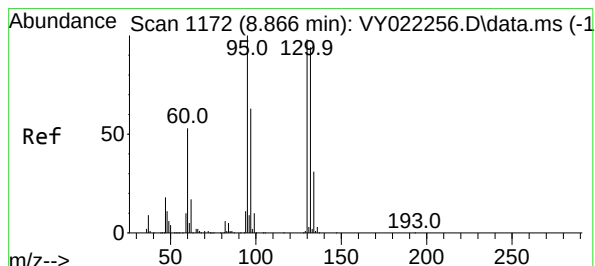
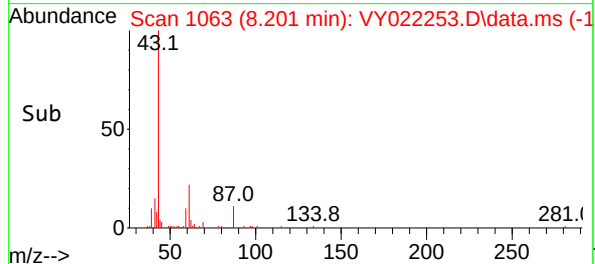
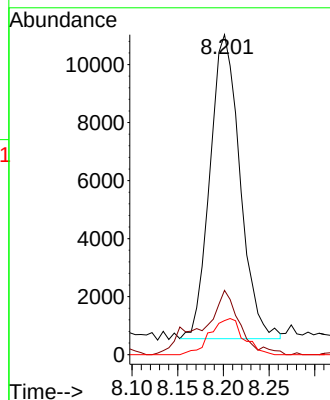
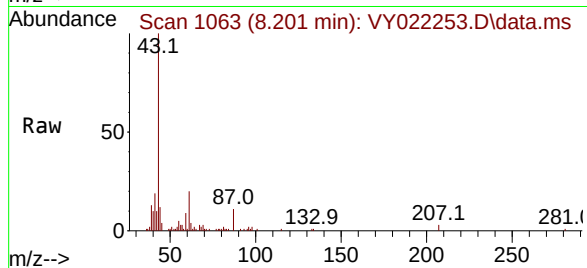
VSTDIC005

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

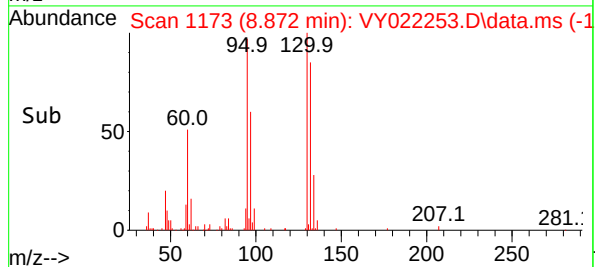
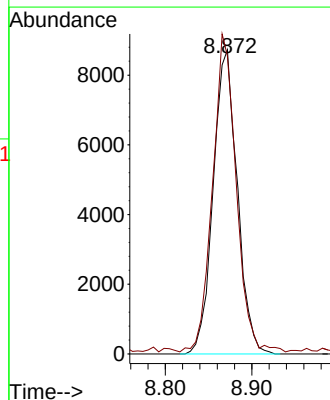
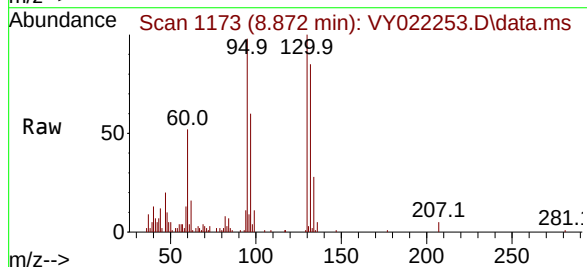
RT: 8.872 min Scan# 1173

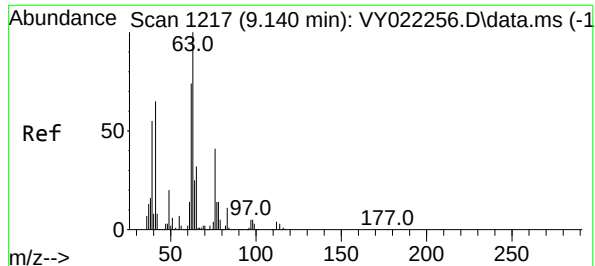
Delta R.T. 0.006 min

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# 11

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

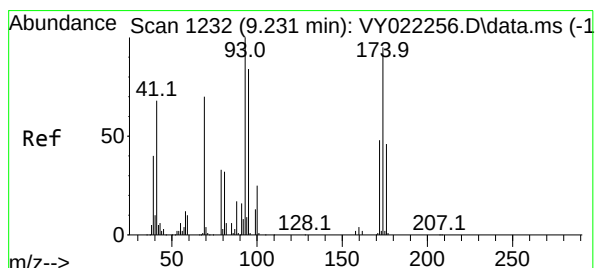
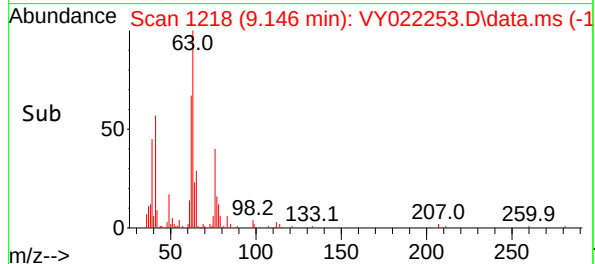
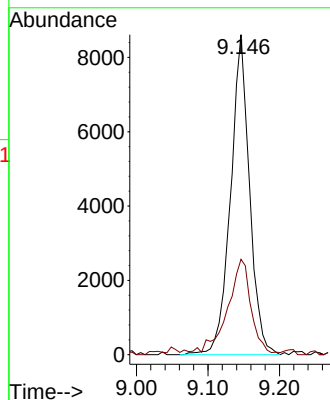
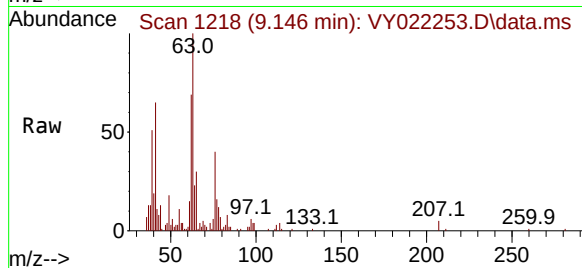
63 100

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

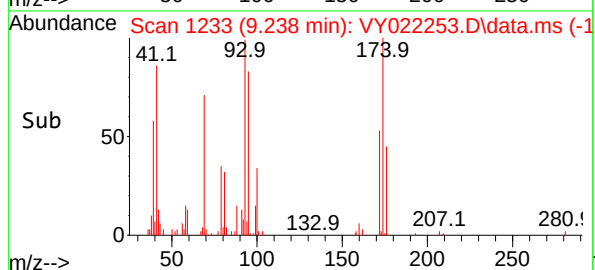
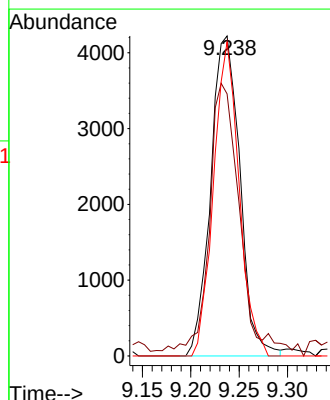
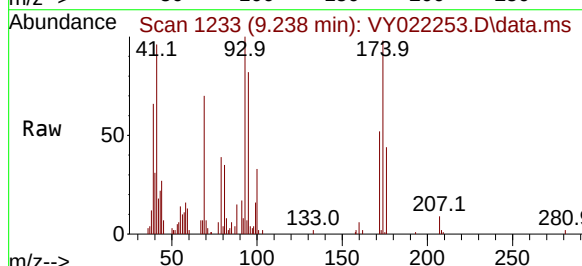
Tgt Ion: 93 Resp: 8879

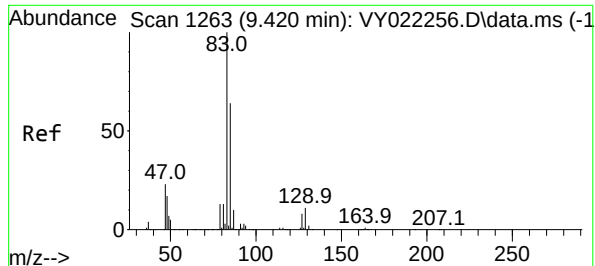
Ion Ratio Lower Upper

93 100

95 89.8 65.2 97.8

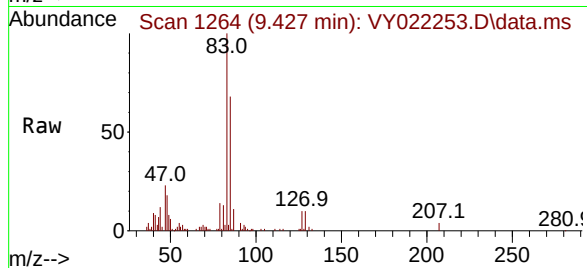
174 85.7 74.3 111.5





#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

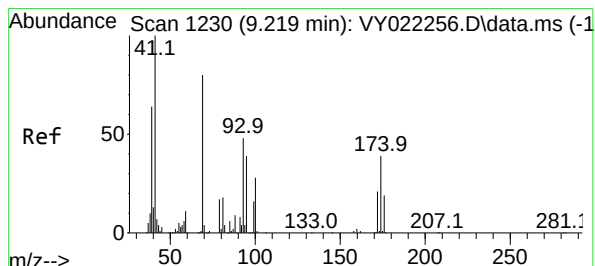
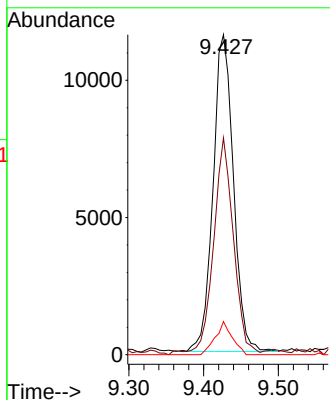
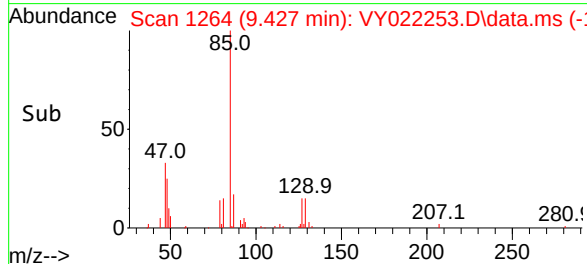
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

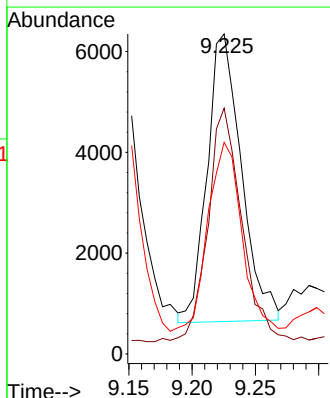
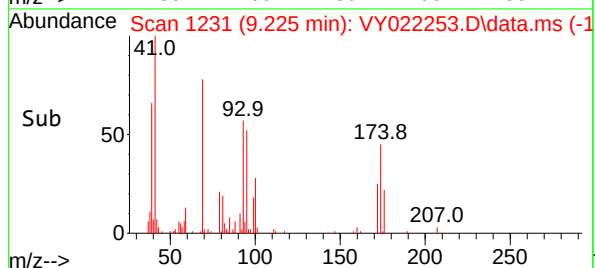
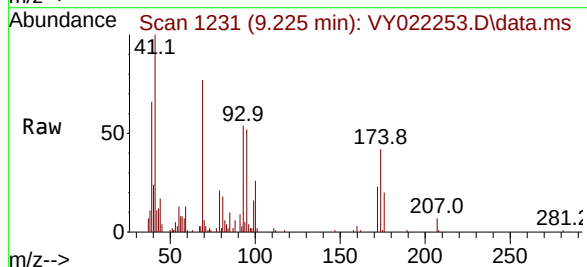
Manual Integrations
APPROVED

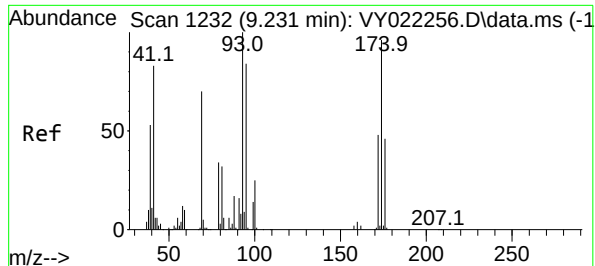
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

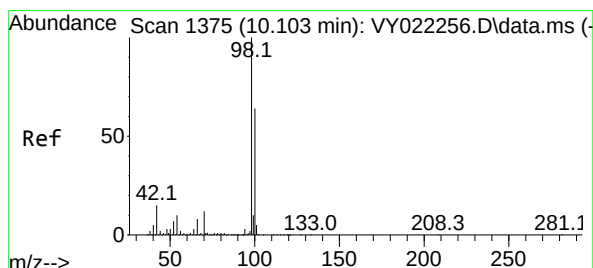
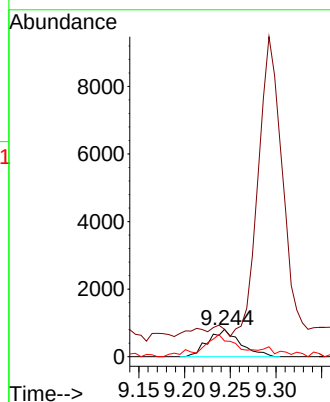
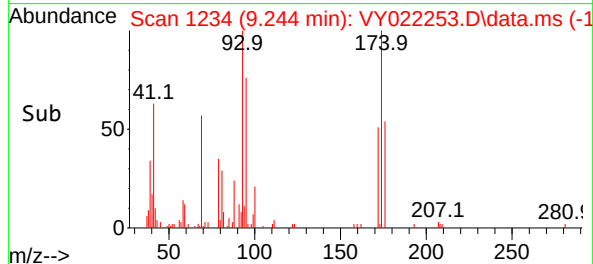
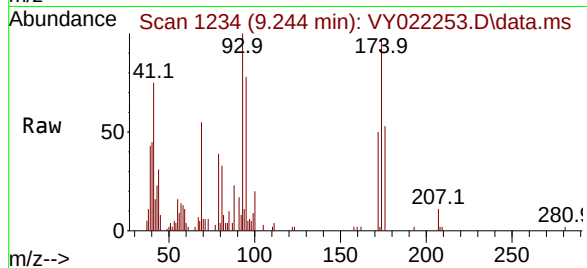
58 79.8 61.4 92.2

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

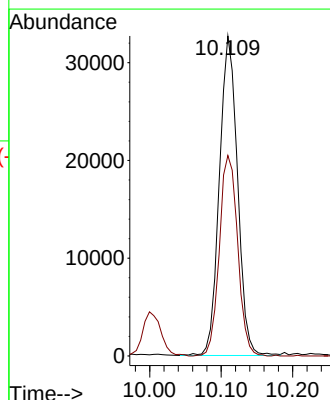
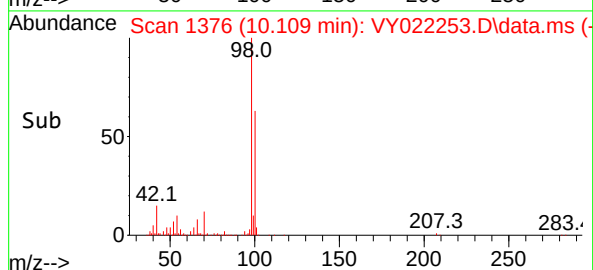
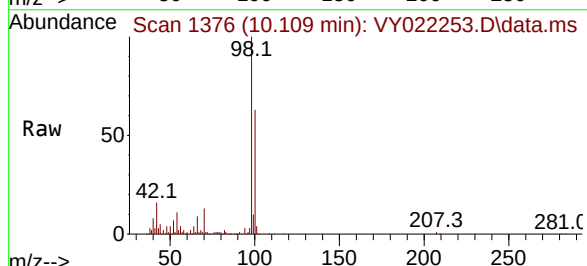
Acq: 15 May 2025 09:46

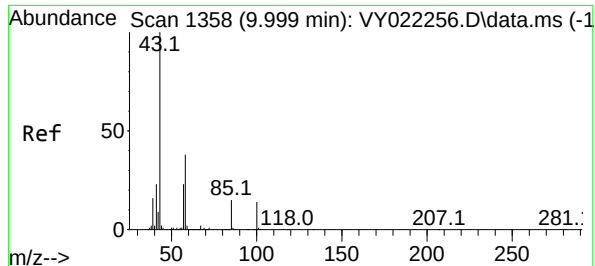
Tgt Ion: 98 Resp: 57575

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.8





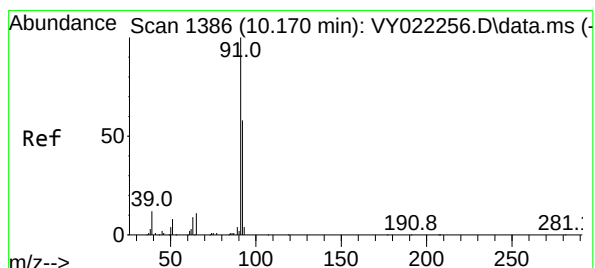
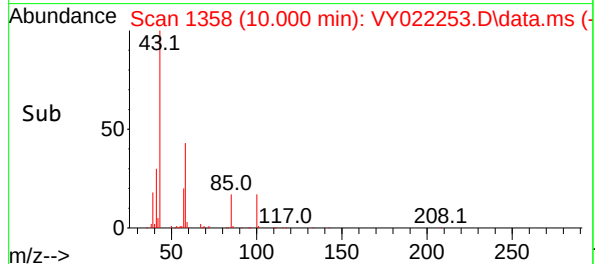
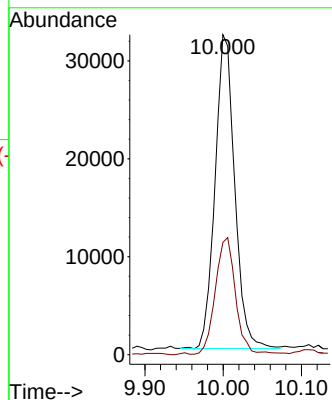
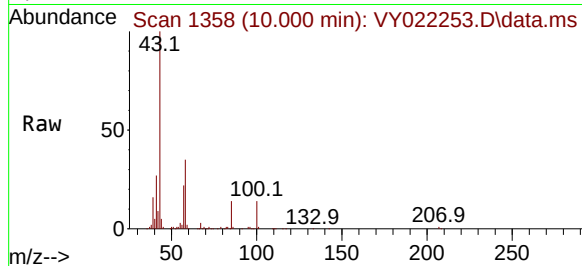
#51
4-Methyl-2-Pentanone
Concen: 23.464 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

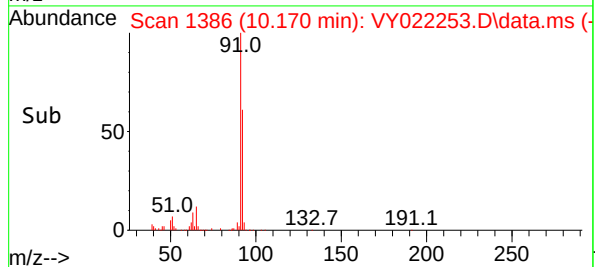
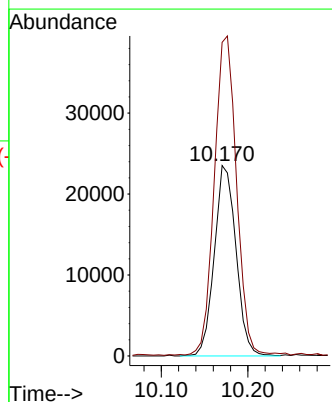
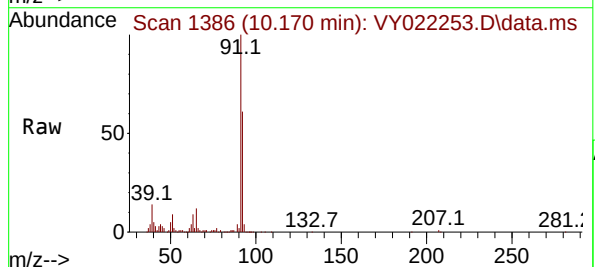
Manual Integrations
APPROVED

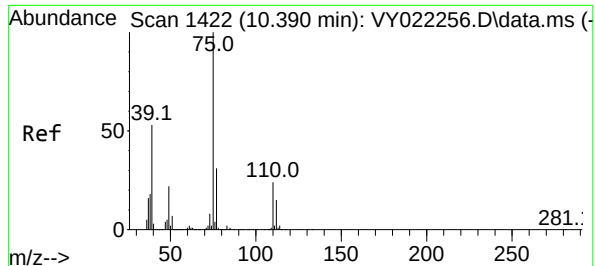
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

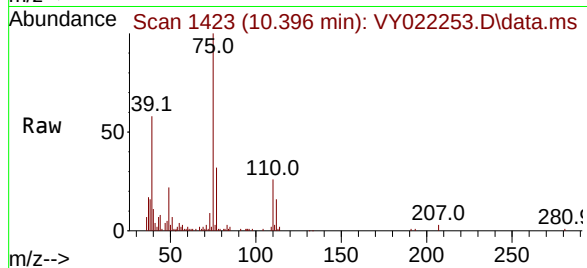
Tgt Ion: 92 Resp: 41001
Ion Ratio Lower Upper
92 100
91 171.8 139.1 208.7





#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

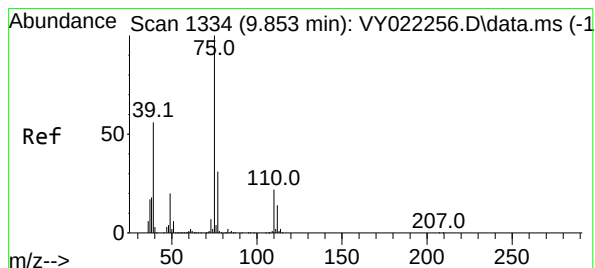
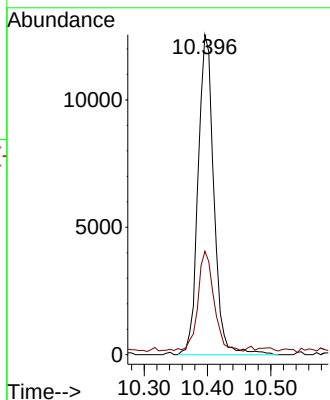
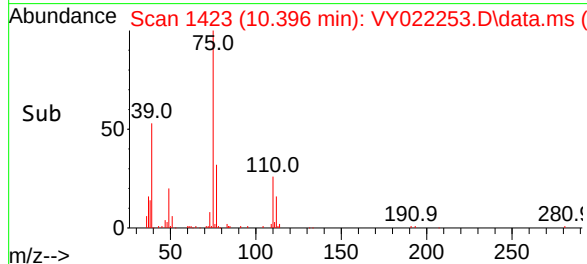
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

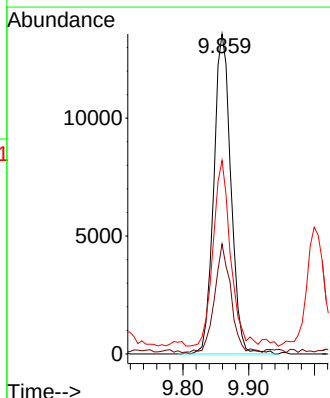
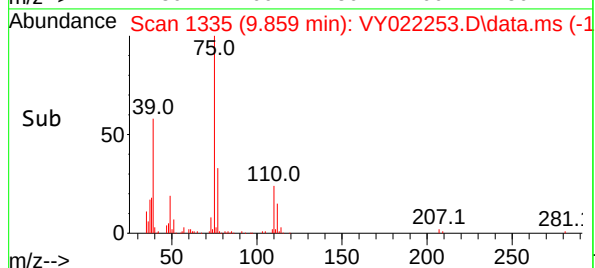
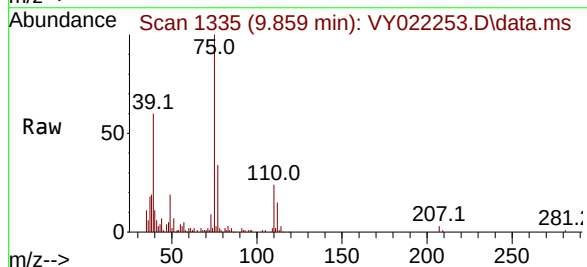
Manual Integrations
APPROVED

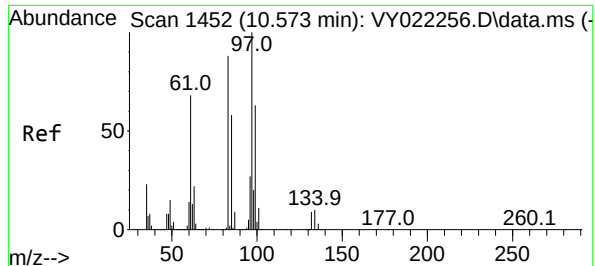
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

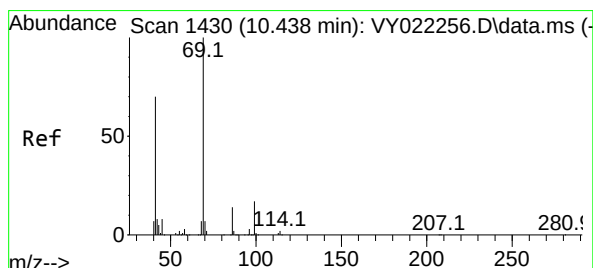
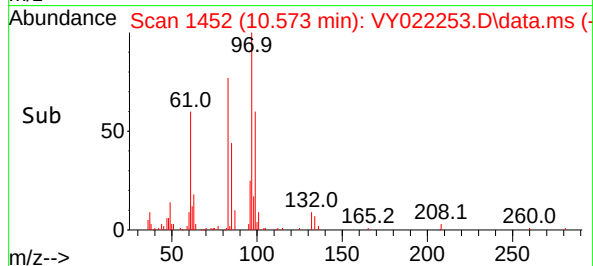
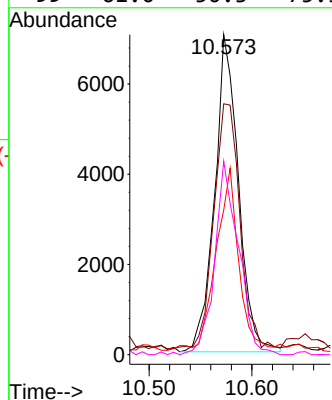
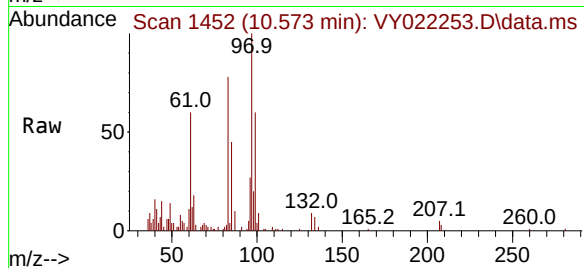
85 42.7 46.2 69.4

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

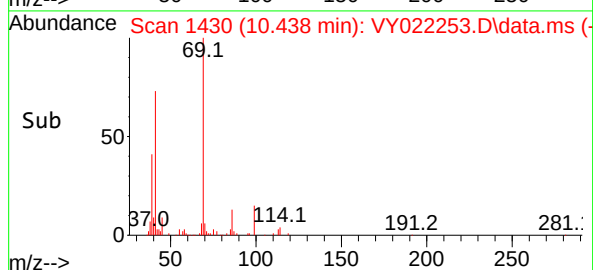
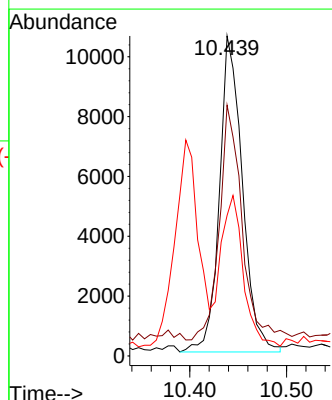
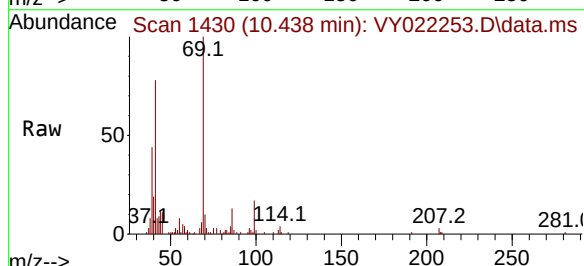
Tgt Ion: 69 Resp: 17420

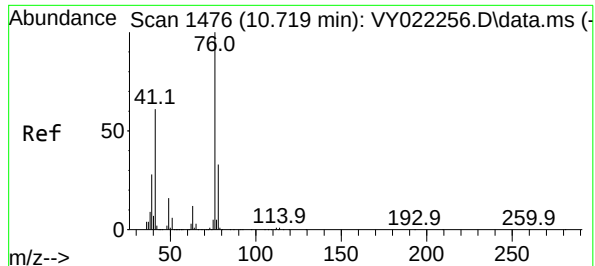
Ion Ratio Lower Upper

69 100

41 73.2 56.5 84.7

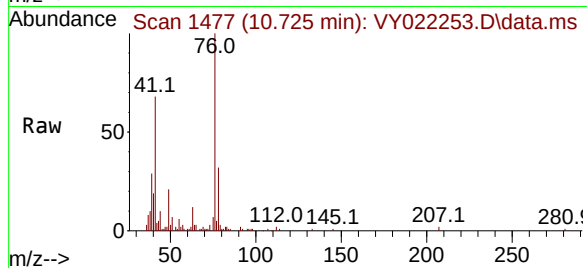
39 46.8 37.1 55.7





#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

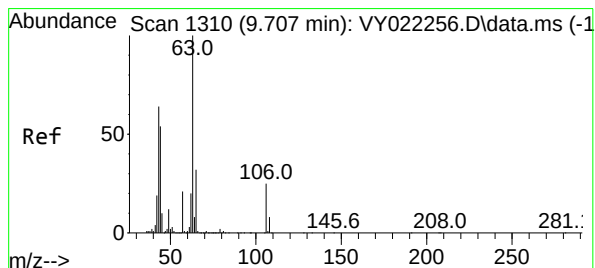
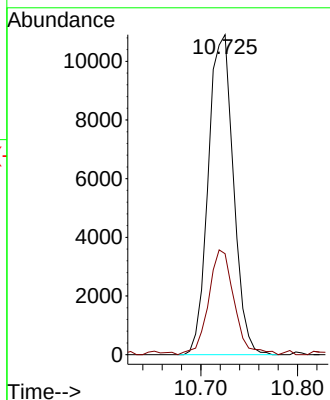
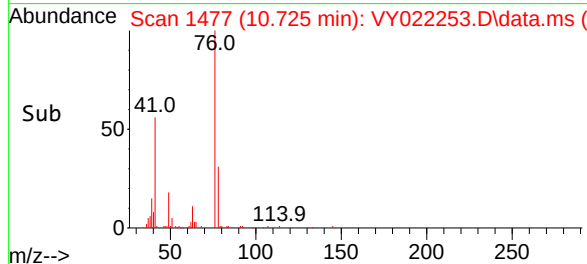
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

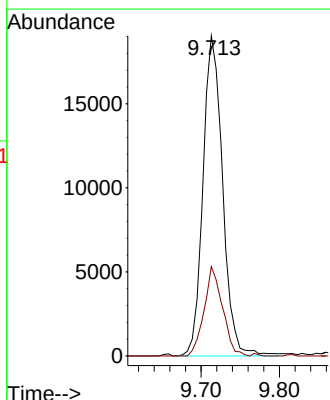
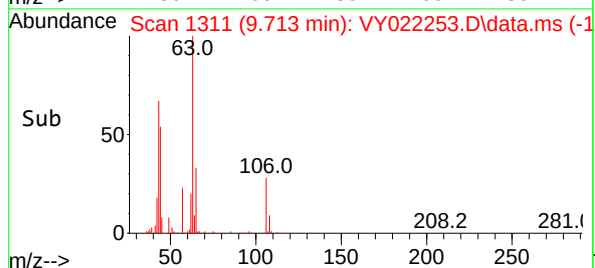
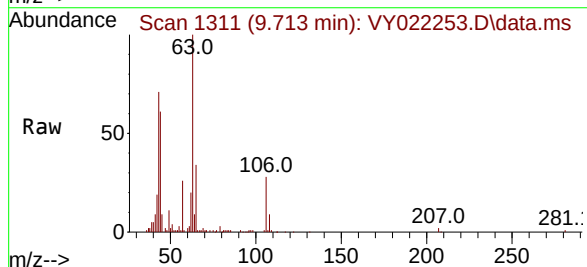
Manual Integrations
APPROVED

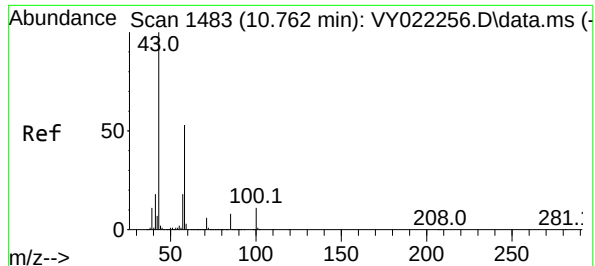
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

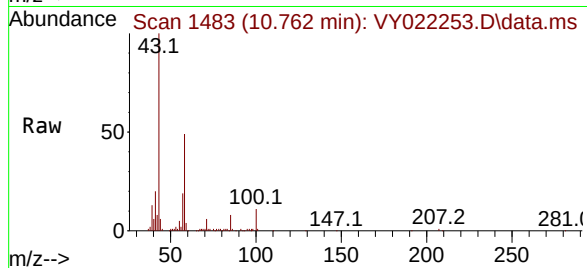
Tgt Ion: 63 Resp: 33215
Ion Ratio Lower Upper
63 100
106 26.0 21.0 31.4





#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

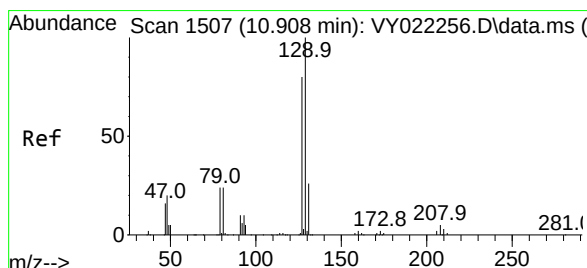
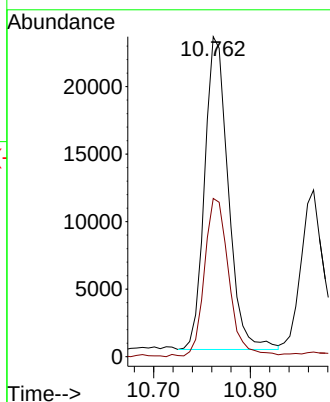
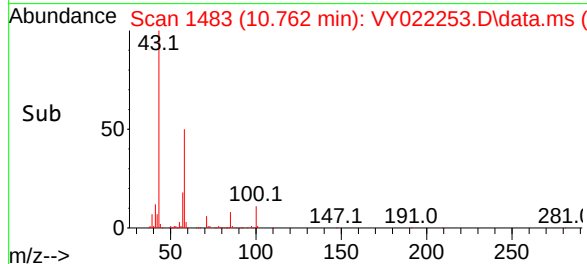
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

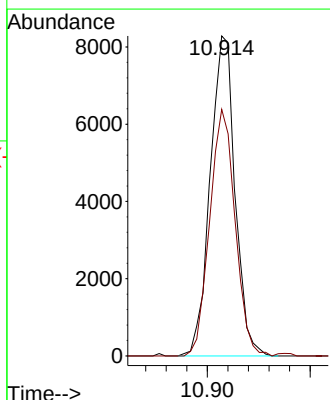
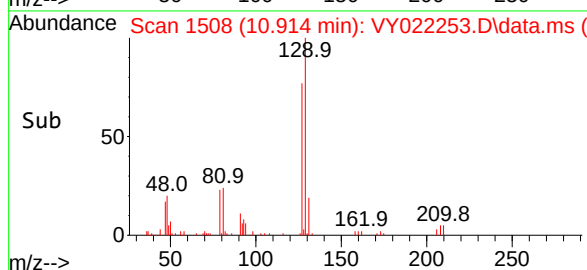
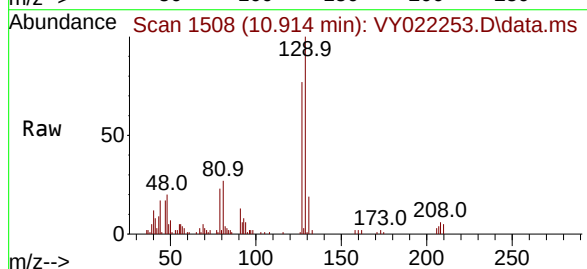
Manual Integrations
APPROVED

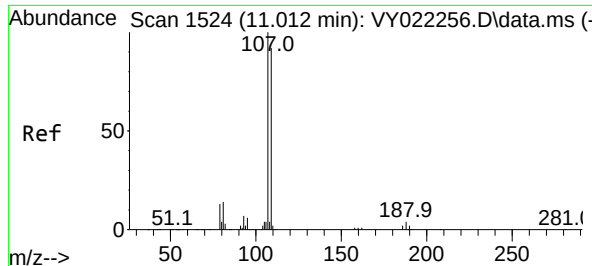
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

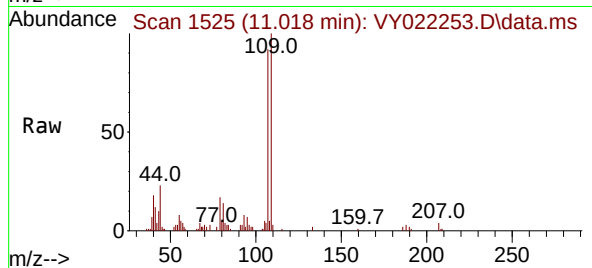
Tgt Ion:129 Resp: 13908
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.7





#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

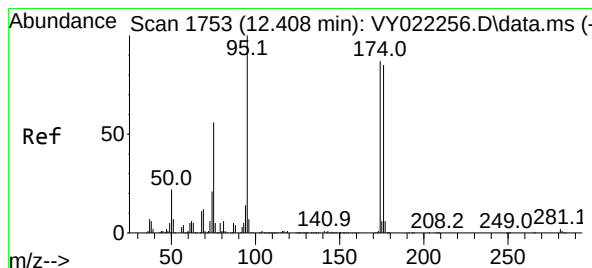
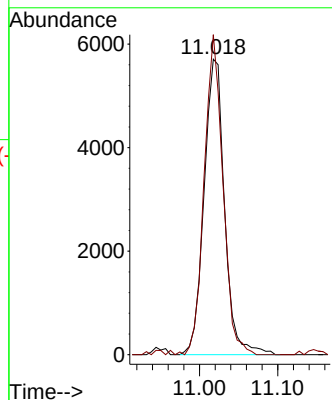
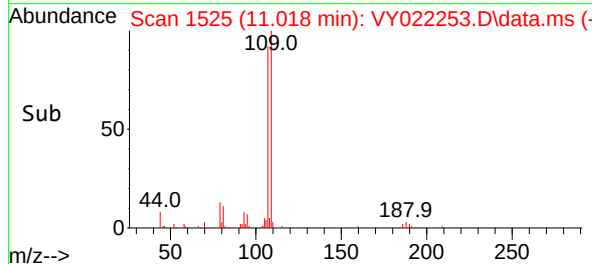
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

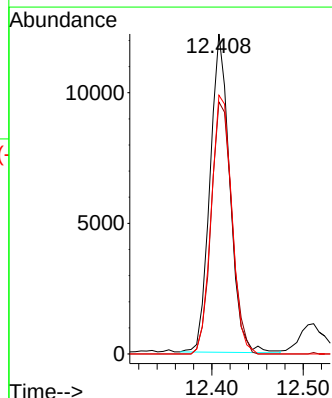
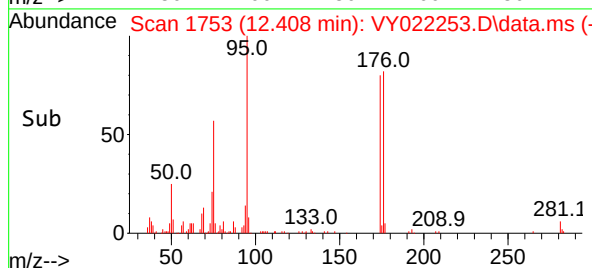
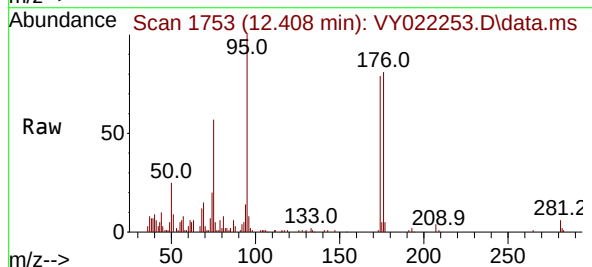
Manual Integrations
APPROVED

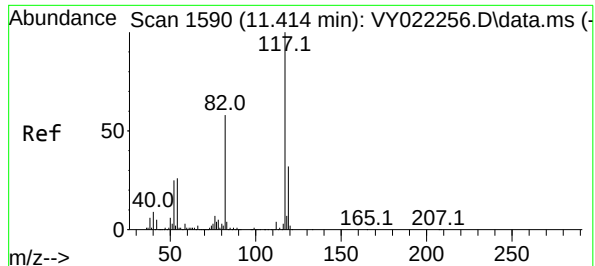
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

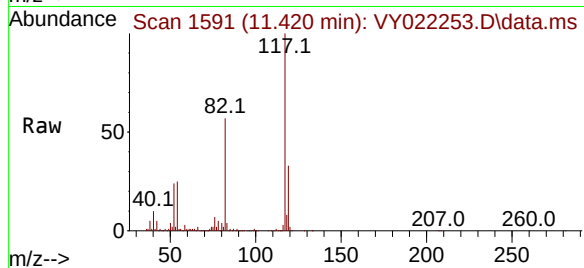
Tgt Ion: 95 Resp: 18328
Ion Ratio Lower Upper
95 100
174 83.0 0.0 166.8
176 84.3 0.0 160.8





#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

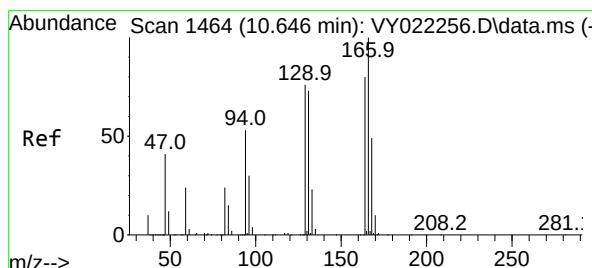
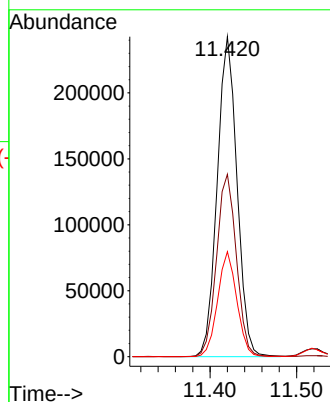
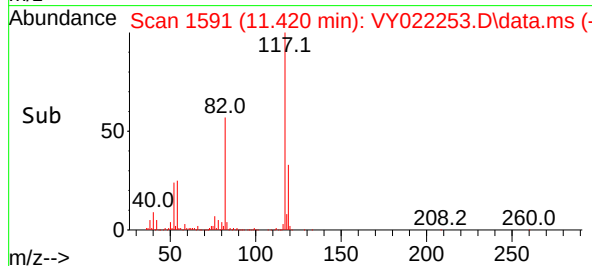
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



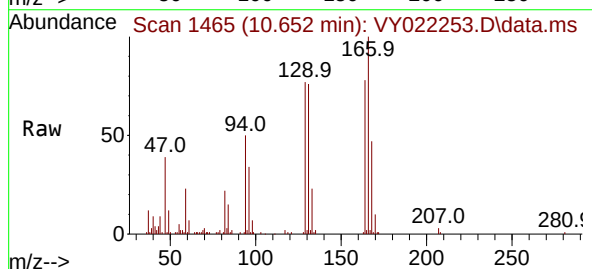
Tgt Ion:117 Resp: 385399
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 32.8 25.8 38.6

Manual Integrations
APPROVED

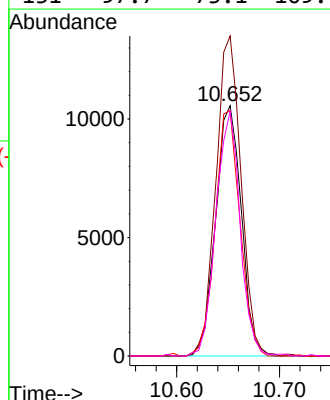
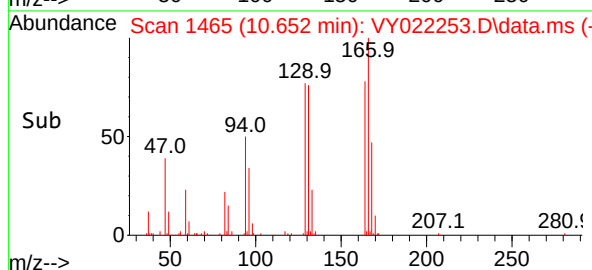
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

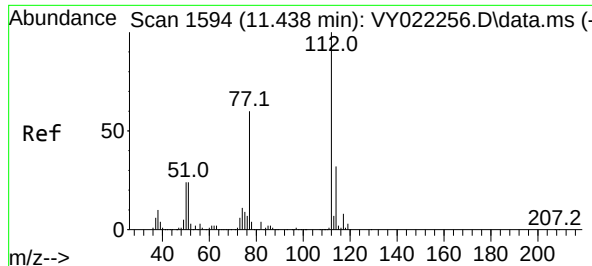


#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



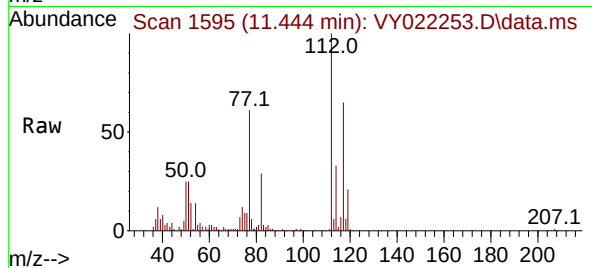
Tgt Ion:164 Resp: 18255
Ion Ratio Lower Upper
164 100
166 127.8 100.4 150.6
129 98.1 76.4 114.6
131 97.7 73.1 109.7





#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

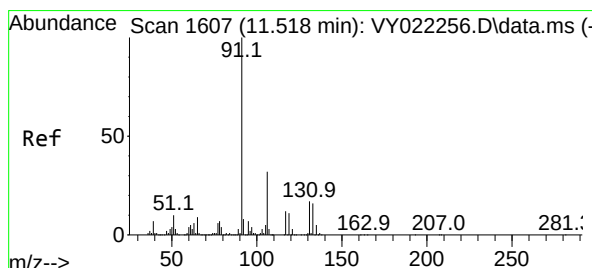
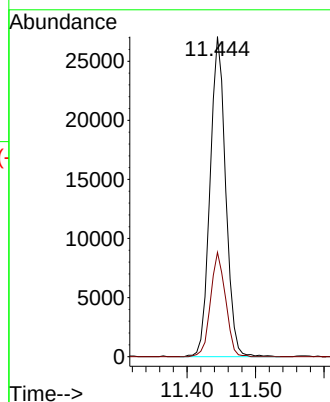
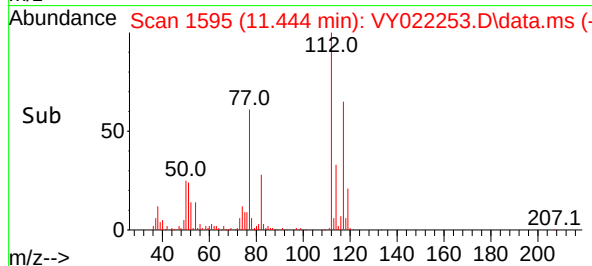
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

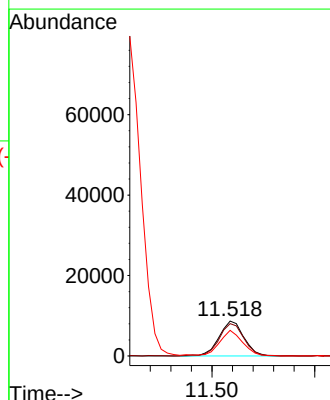
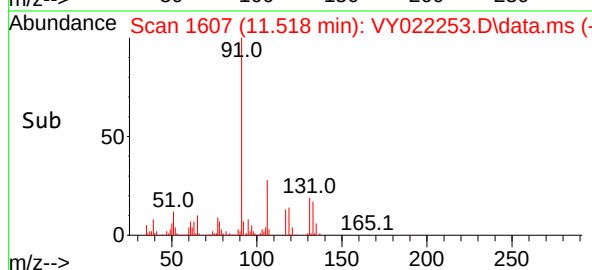
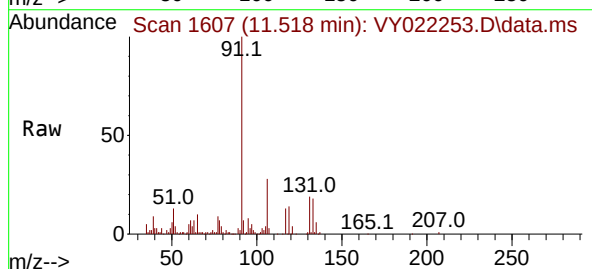
Manual Integrations
APPROVED

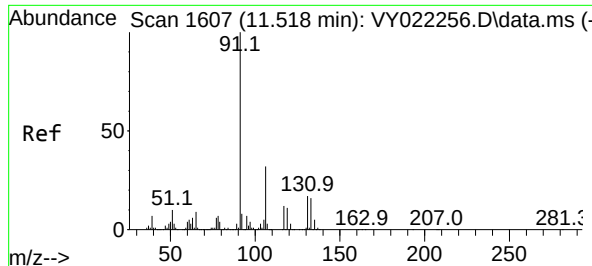
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

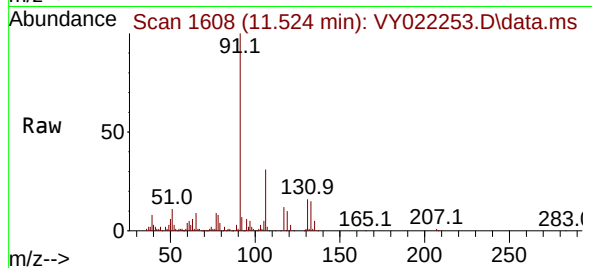
Tgt Ion:131 Resp: 14385
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 68.6 33.1 99.2





#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

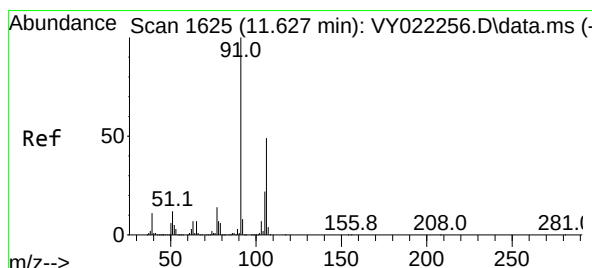
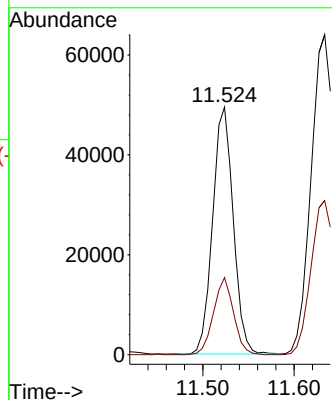
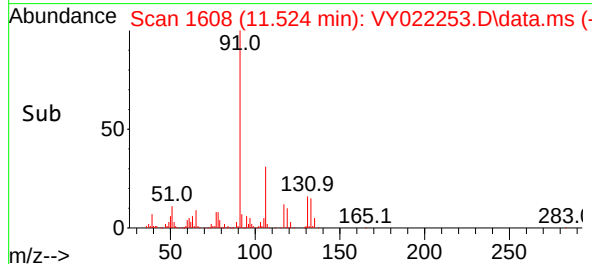
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



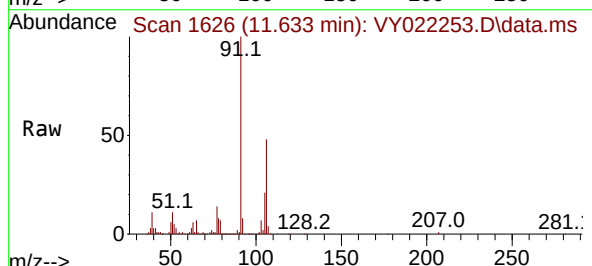
Tgt Ion: 91 Resp: 77600
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

Manual Integrations
APPROVED

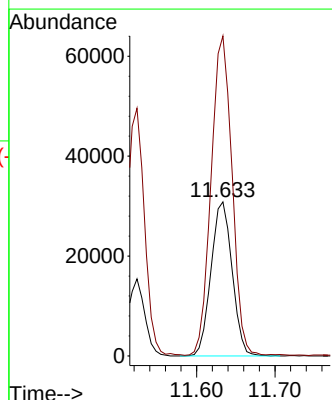
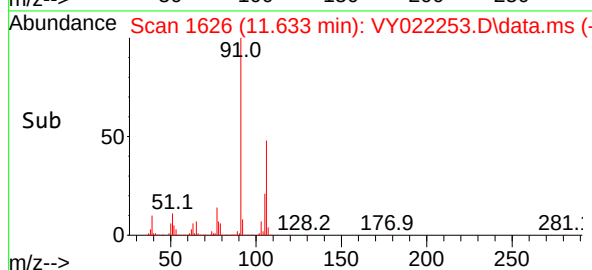
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

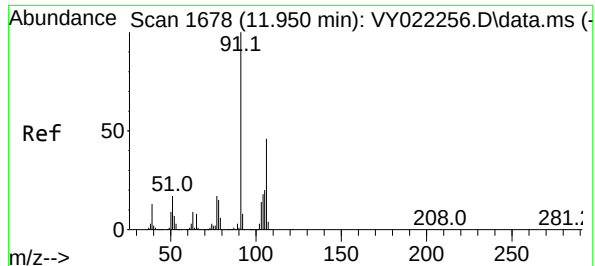


#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



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





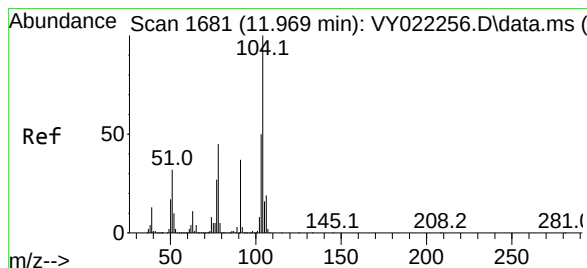
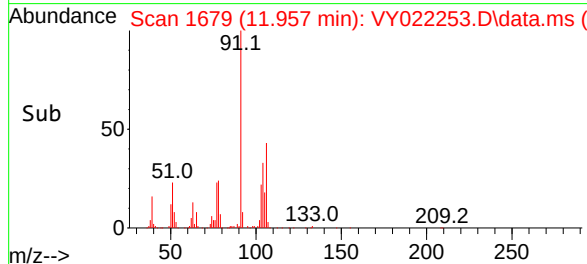
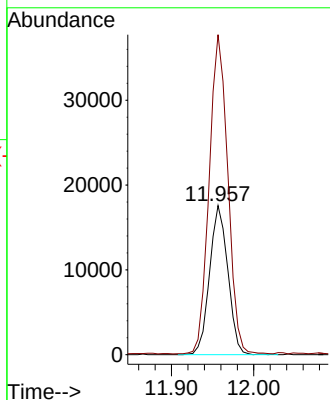
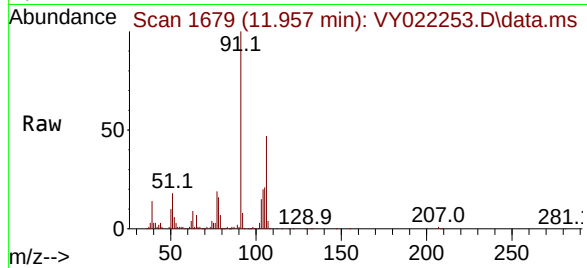
#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

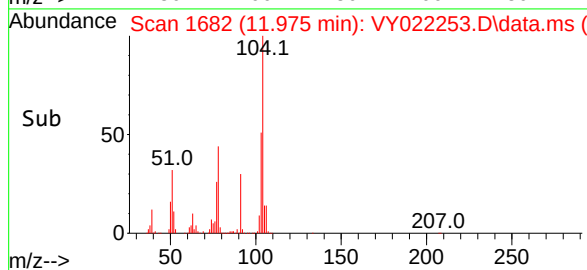
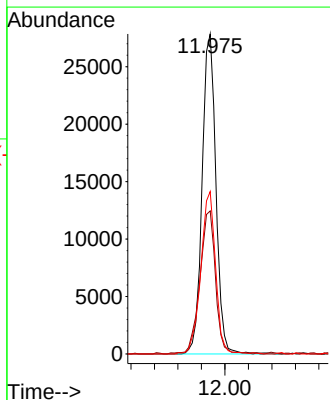
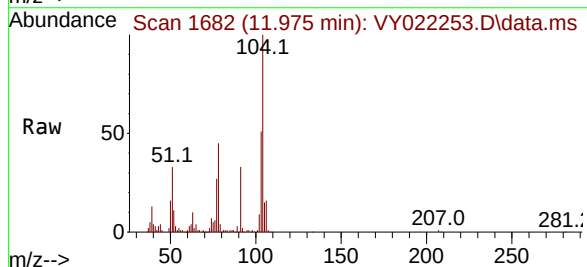
Manual Integrations
APPROVED

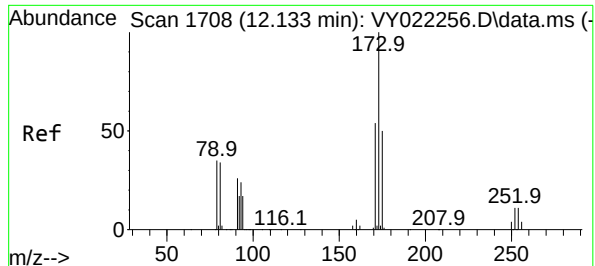
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

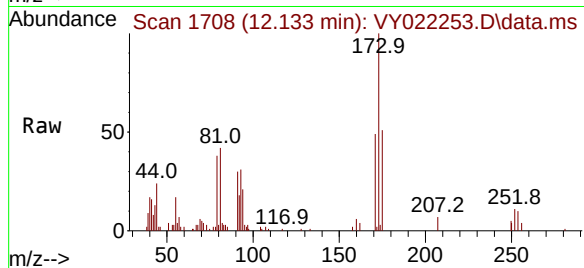
Tgt Ion:104 Resp: 45556
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 54.2 43.7 65.5





#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

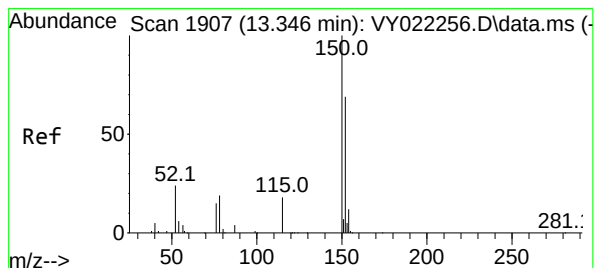
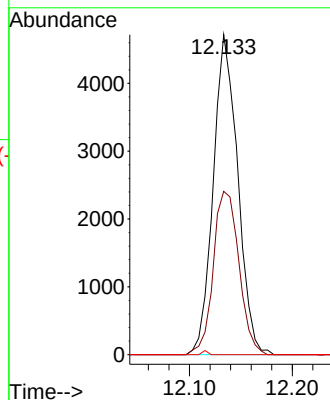
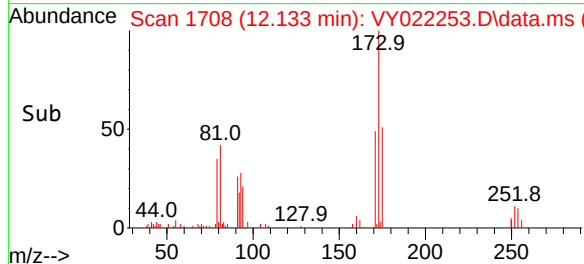
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



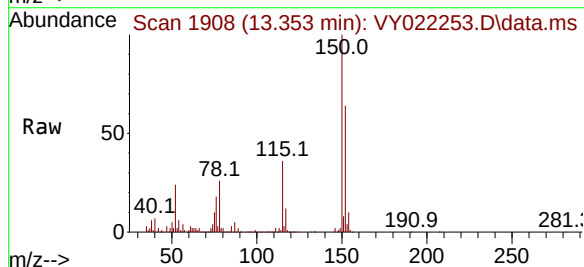
Tgt Ion:173 Resp: 7799
Ion Ratio Lower Upper
173 100
175 53.5 24.7 74.1
254 0.3 0.0 0.0

Manual Integrations
APPROVED

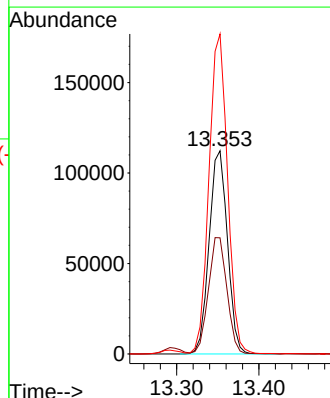
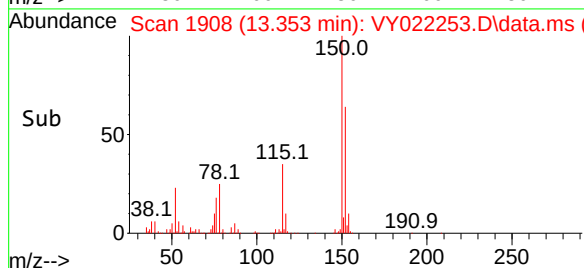
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

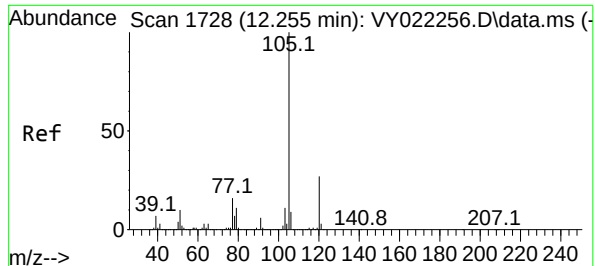


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



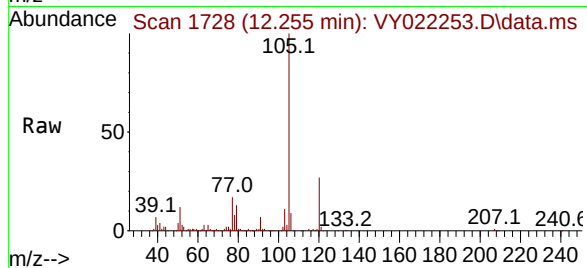
Tgt Ion:152 Resp: 174003
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.2
150 158.8 0.0 353.8





#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

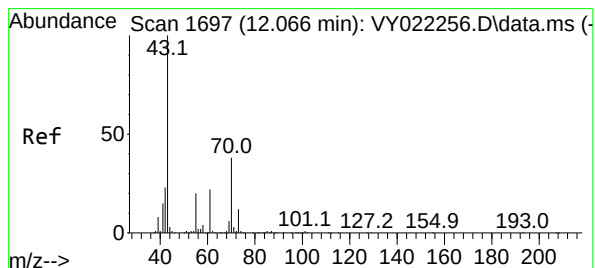
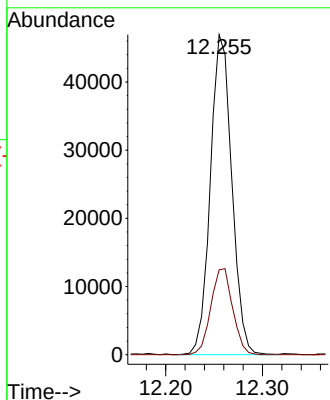
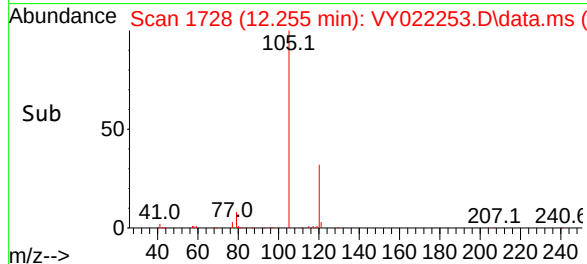
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



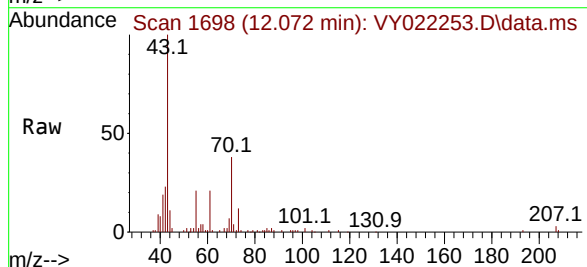
Tgt Ion:105 Resp: 72325
Ion Ratio Lower Upper
105 100
120 27.3 13.2 39.6

Manual Integrations
APPROVED

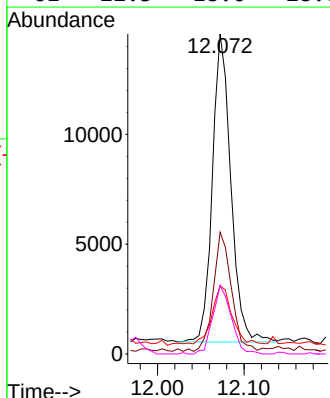
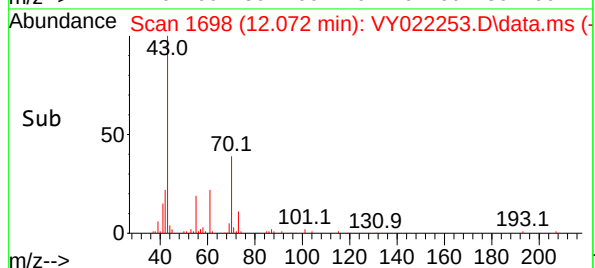
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

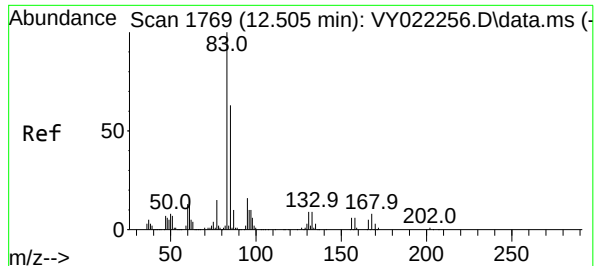


#74
N-ethyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



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

1,1,2,2-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 :

VSTDIC005

Tgt Ion: 83 Resp: 1142

Ion Ratio Lower Upper

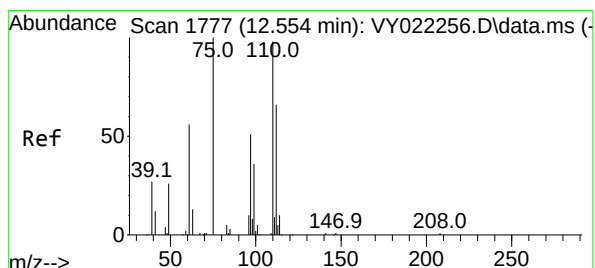
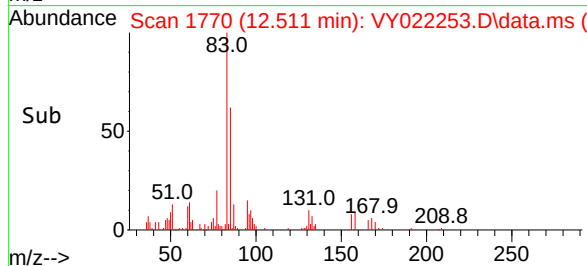
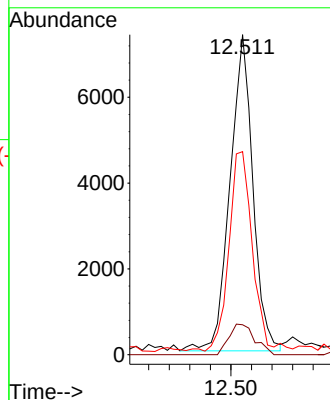
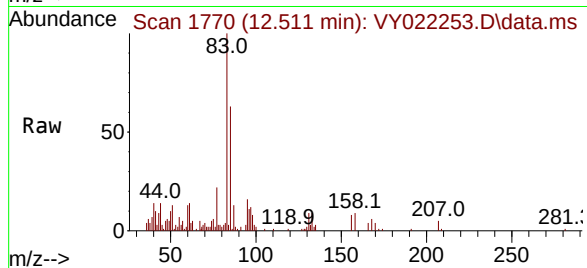
83 100

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

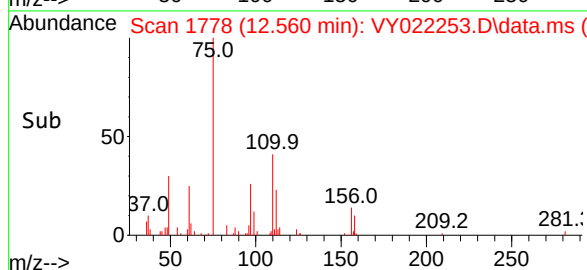
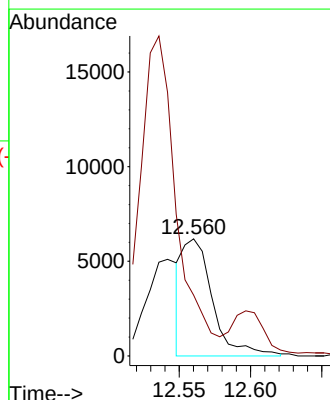
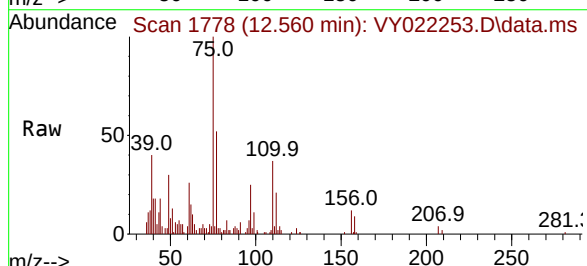
Acq: 15 May 2025 09:46

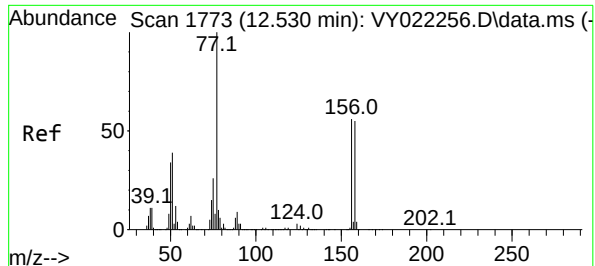
Tgt Ion: 75 Resp: 9076

Ion Ratio Lower Upper

75 100

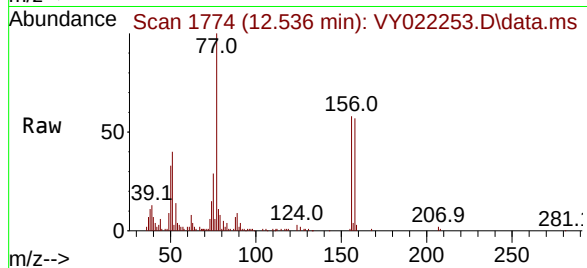
77 0.0 0.0 0.0





#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

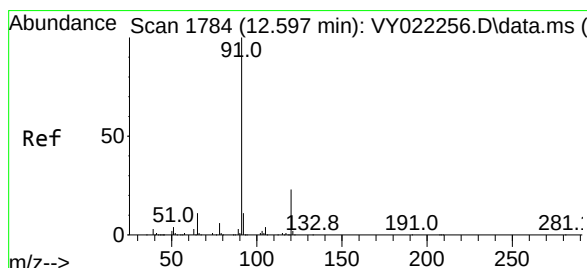
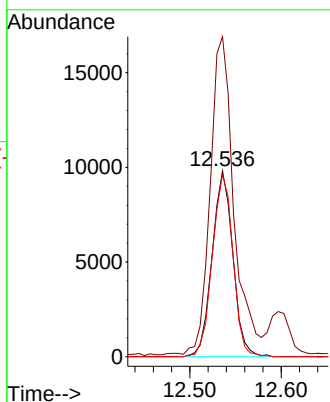
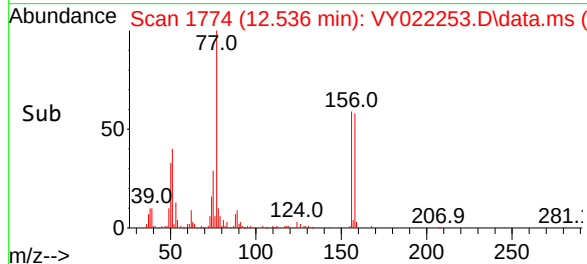
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

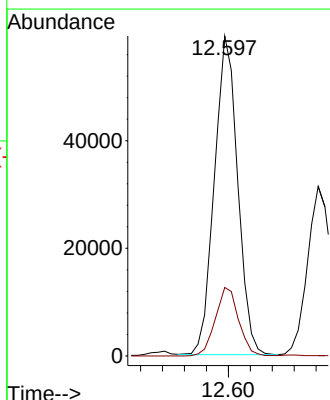
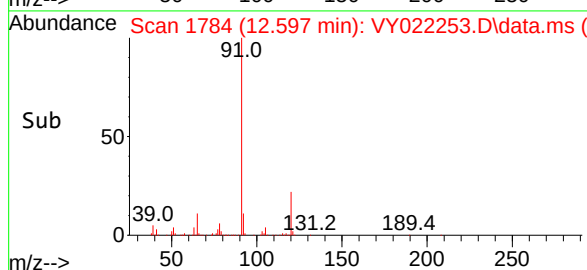
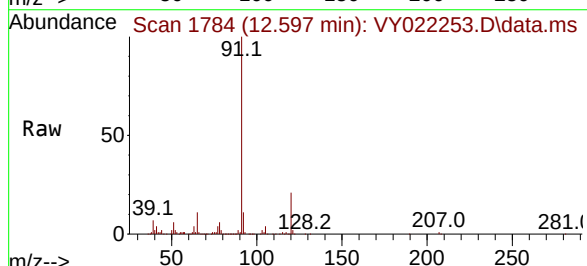
Manual Integrations
APPROVED

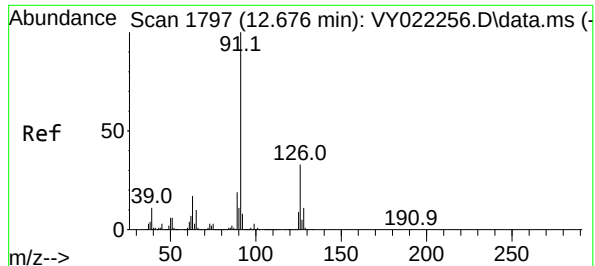
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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# 1797

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: 4724

Ion Ratio Lower Upper

91 100

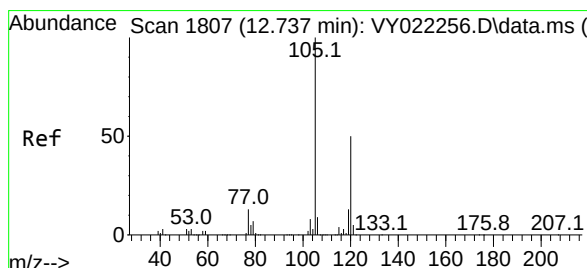
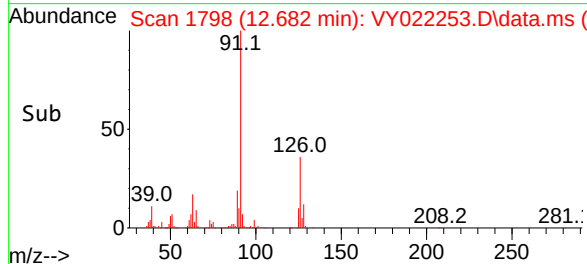
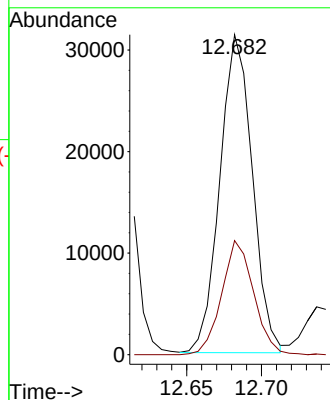
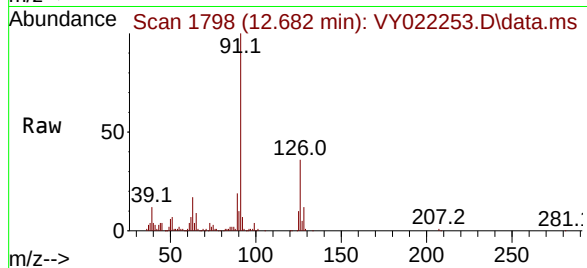
126 35.4 16.8 50.4

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

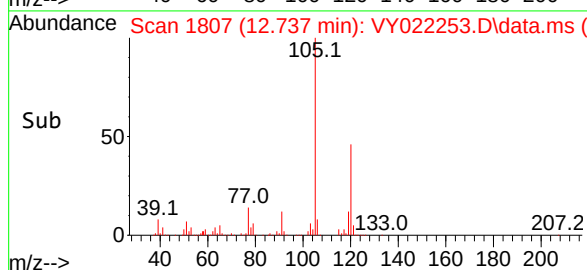
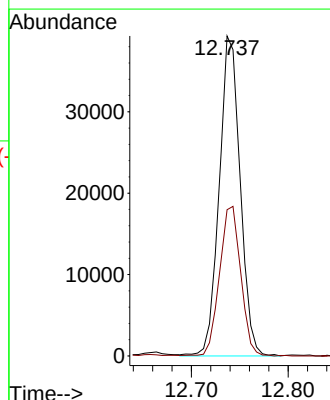
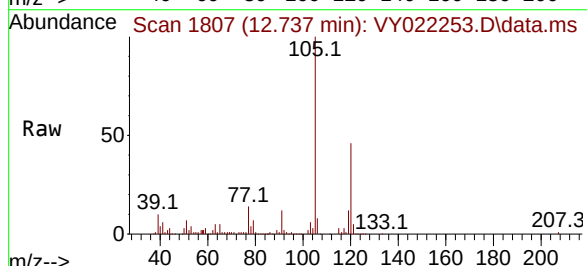
Acq: 15 May 2025 09:46

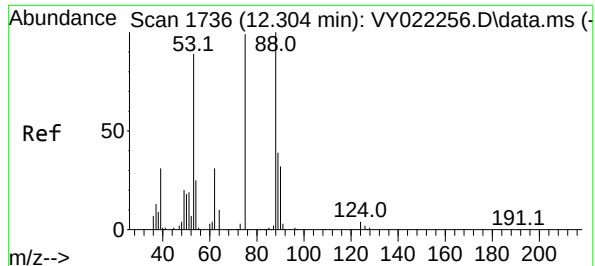
Tgt Ion:105 Resp: 59031

Ion Ratio Lower Upper

105 100

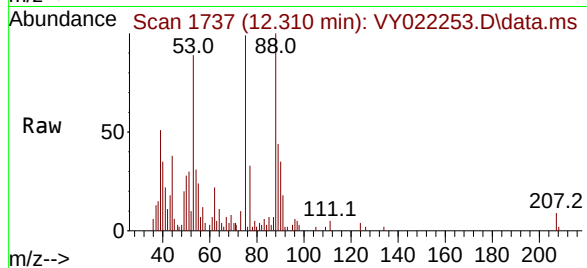
120 47.3 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 5.373 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

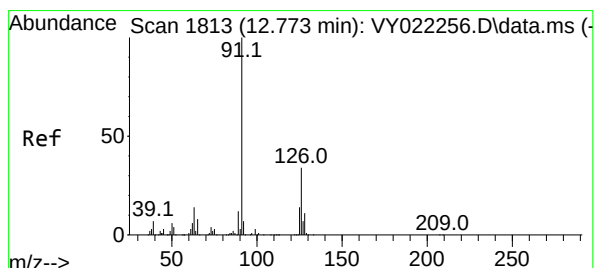
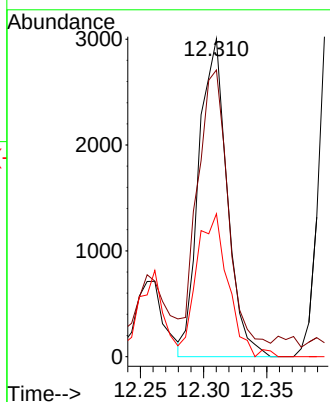
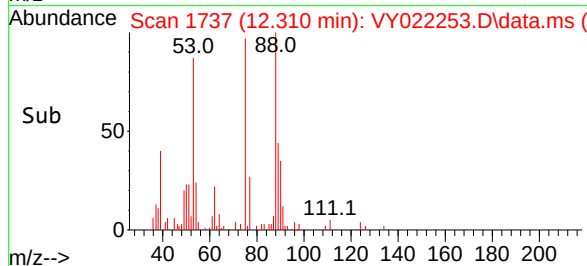
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

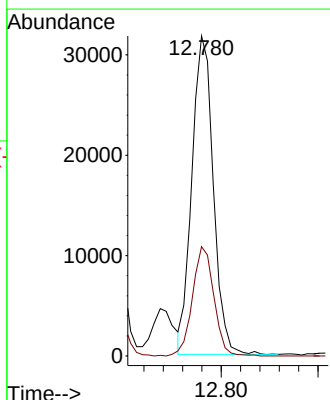
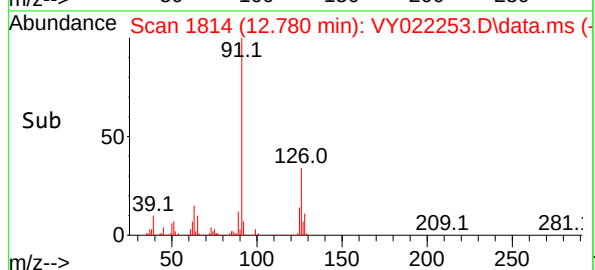
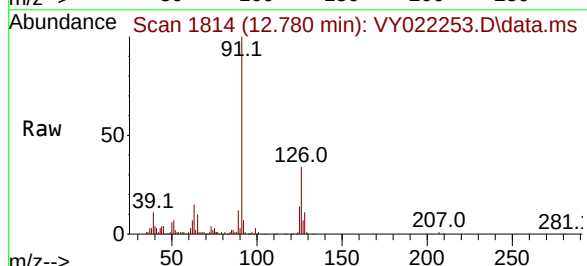
Manual Integrations
APPROVED

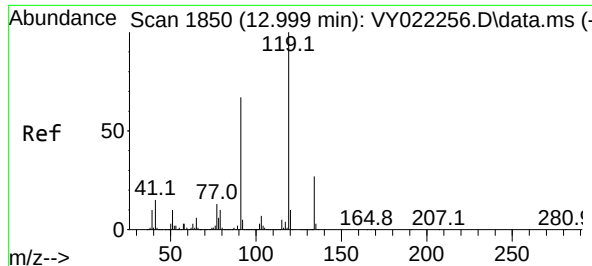
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

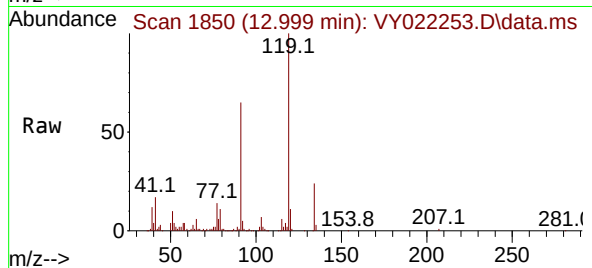
Tgt Ion: 91 Resp: 48737
Ion Ratio Lower Upper
91 100
126 34.5 16.8 50.4





#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

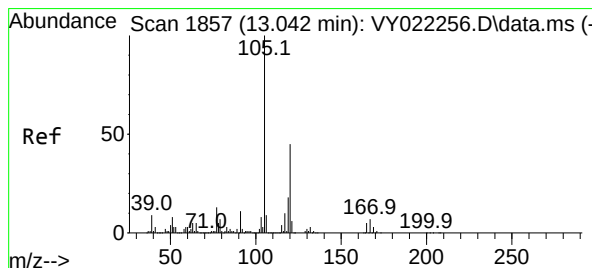
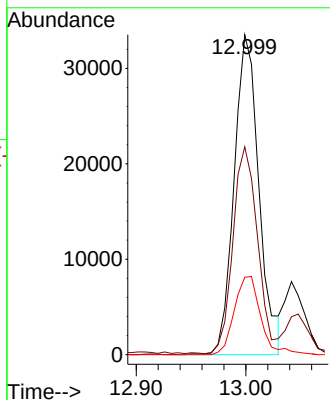
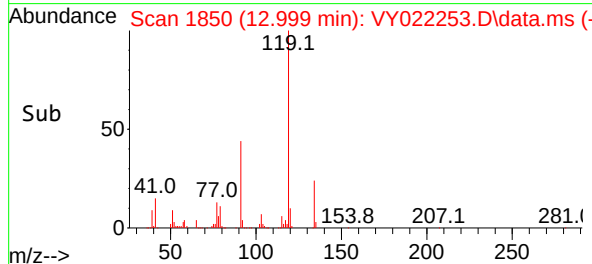
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

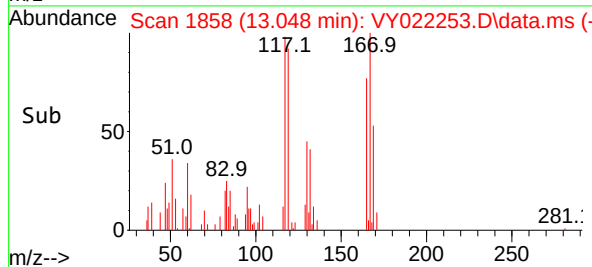
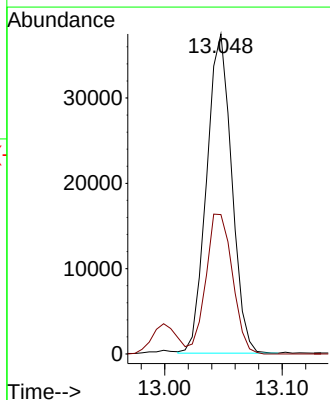
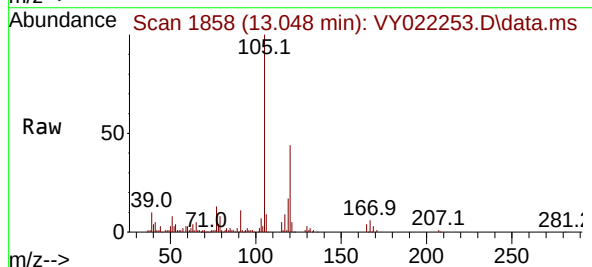
Manual Integrations
APPROVED

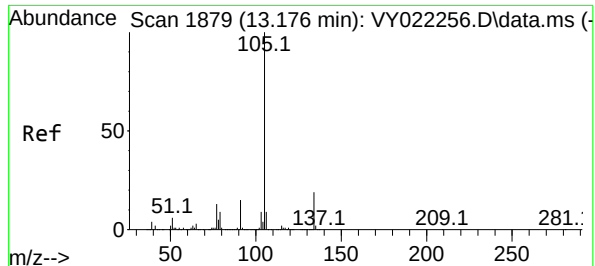
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

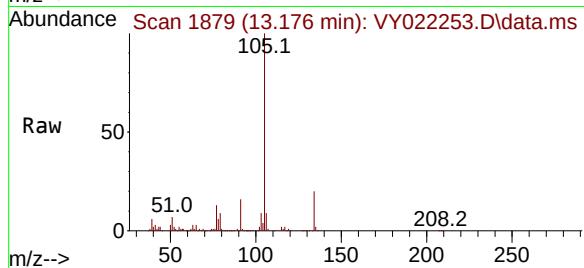
Tgt Ion:105 Resp: 55488
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.9





#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

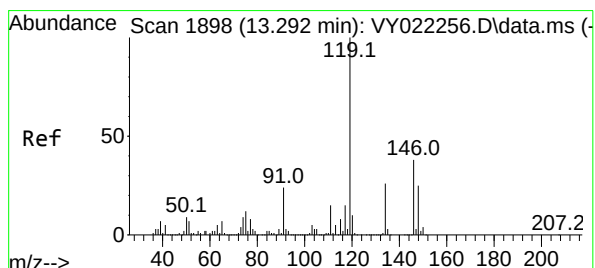
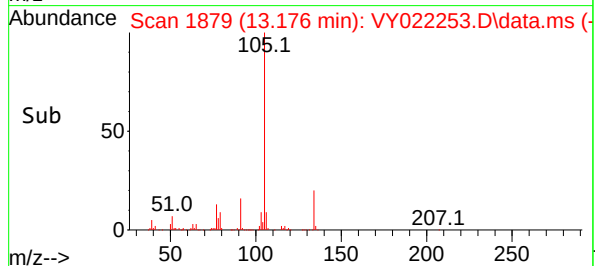
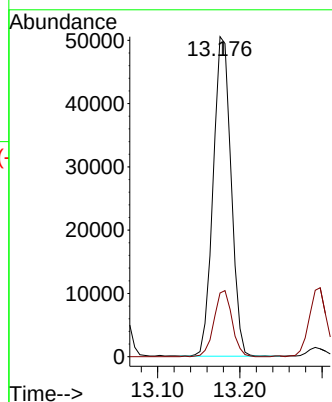
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

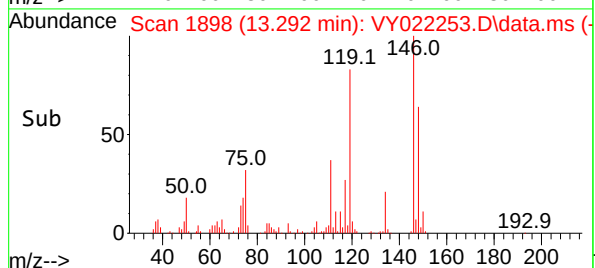
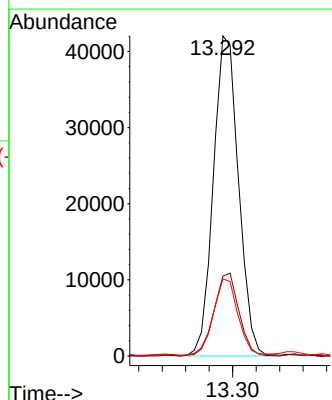
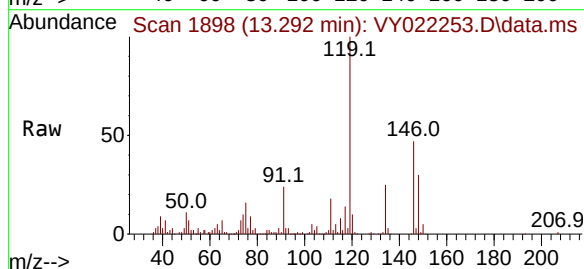
Manual Integrations
APPROVED

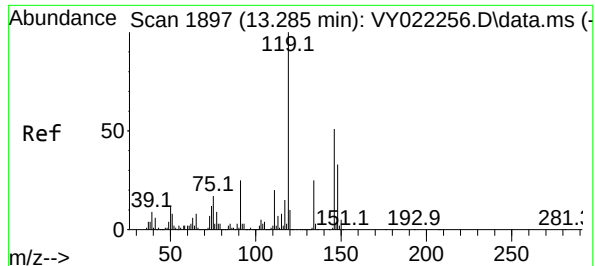
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

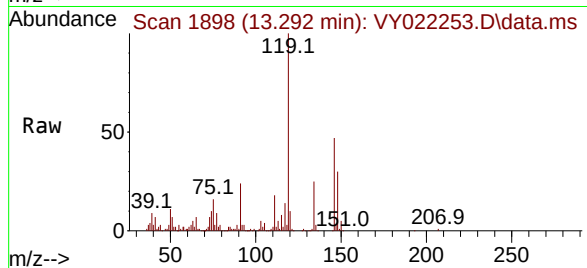
Tgt Ion:119 Resp: 62608
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.6
91 23.2 12.1 36.3





#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

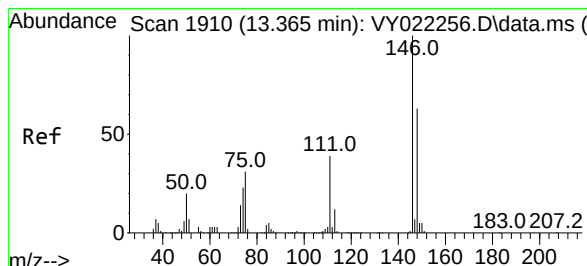
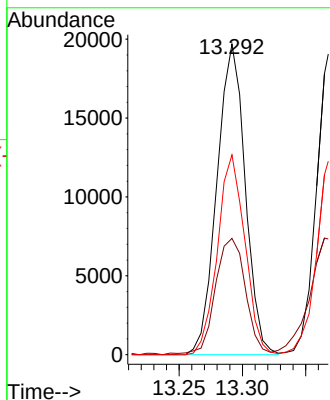
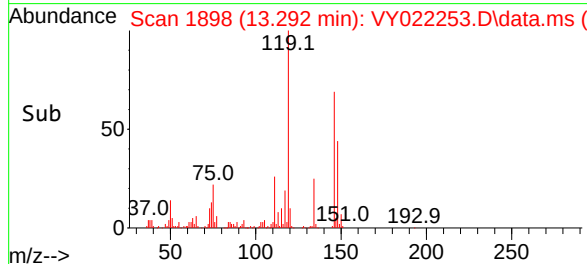
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



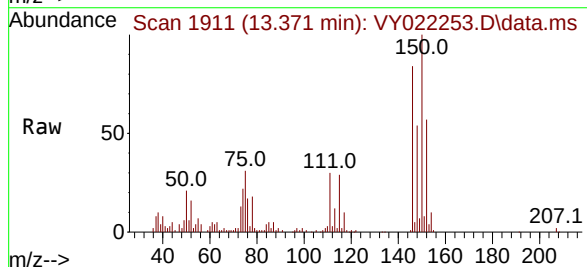
Tgt Ion:146 Resp: 30564
Ion Ratio Lower Upper
146 100
111 39.9 19.9 59.7
148 62.5 31.9 95.7

Manual Integrations
APPROVED

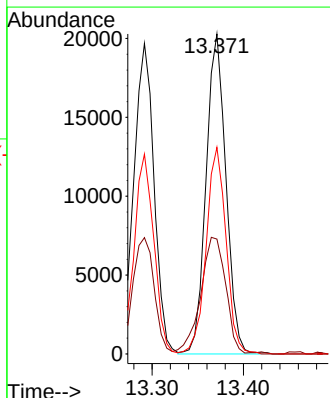
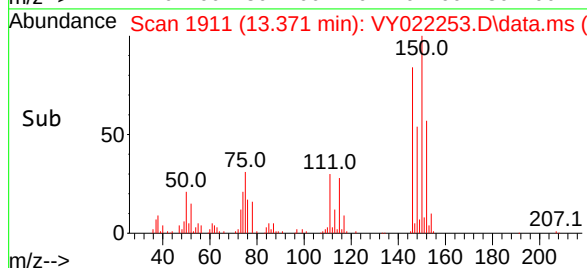
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

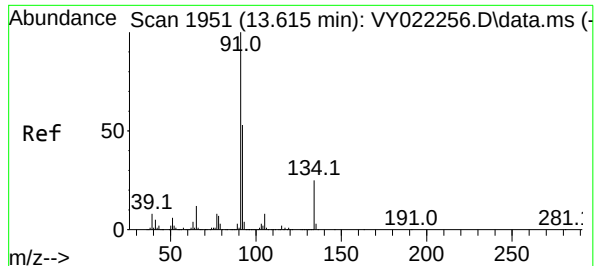


#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46



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 :

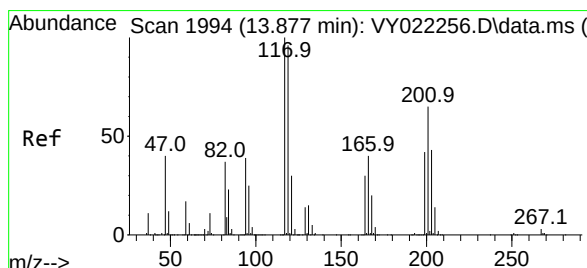
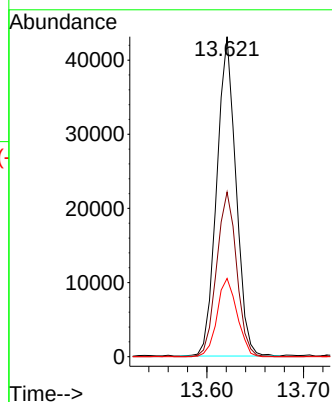
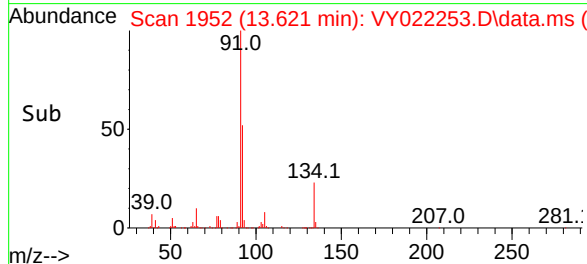
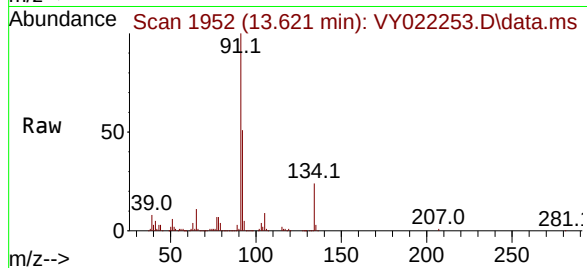
VSTDIC005

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

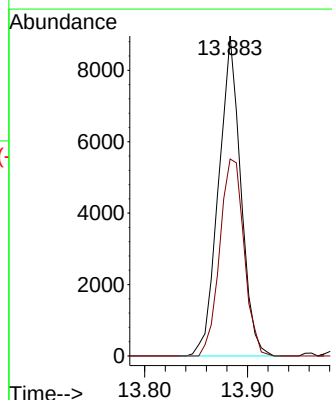
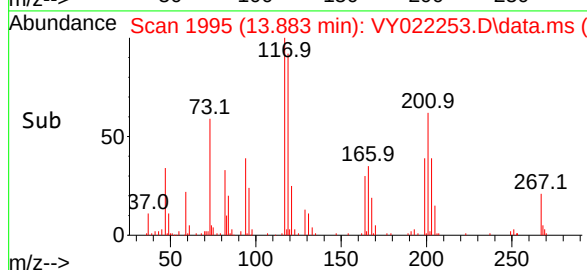
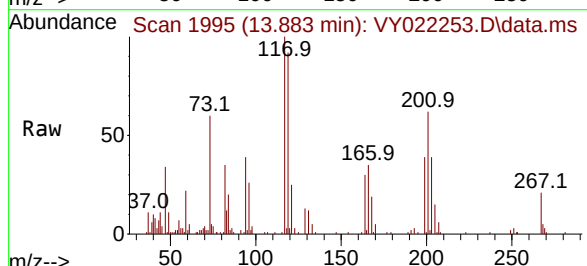
RT: 13.883 min Scan# 1995

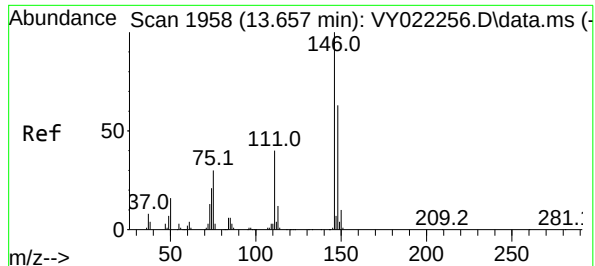
Delta R.T. 0.006 min

Lab File: VY022253.D

Acq: 15 May 2025 09:46

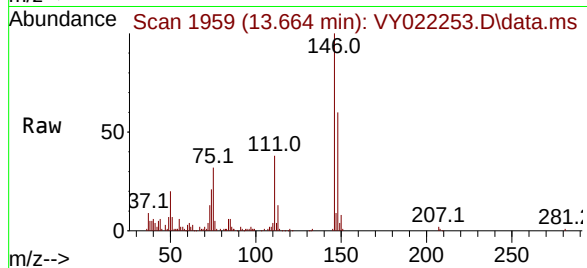
Tgt Ion:	117	Resp:	13445
Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6





#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

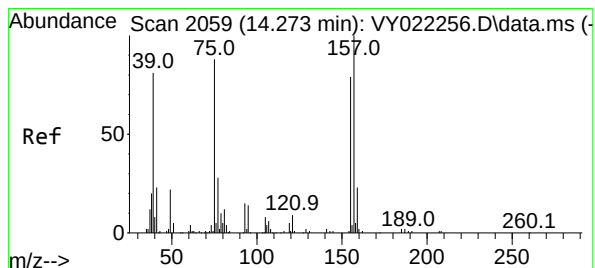
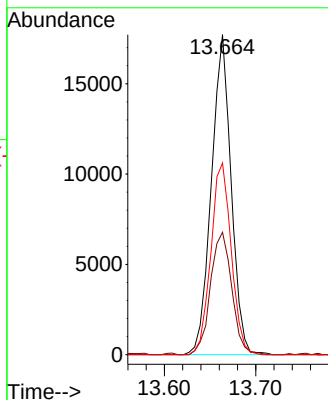
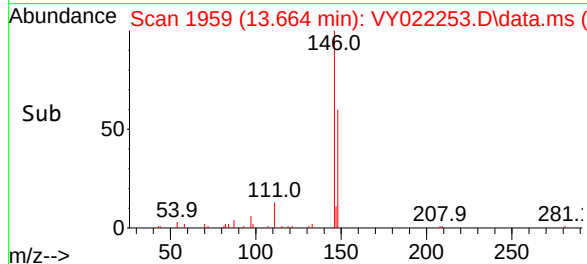
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

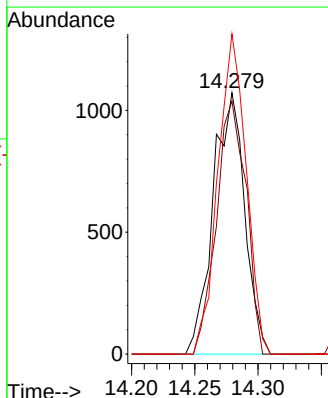
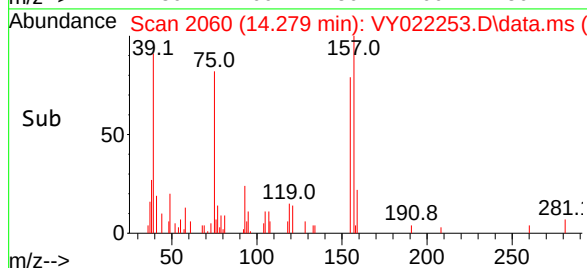
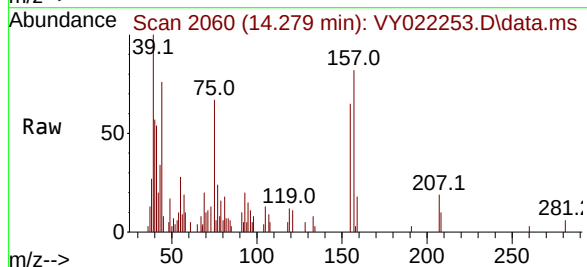
Manual Integrations
APPROVED

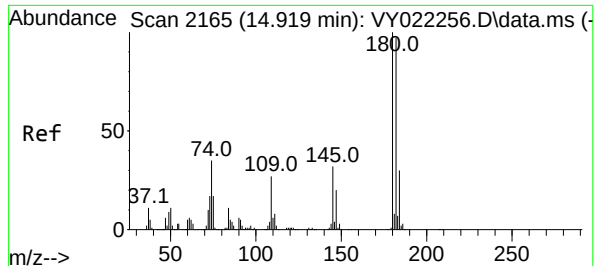
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

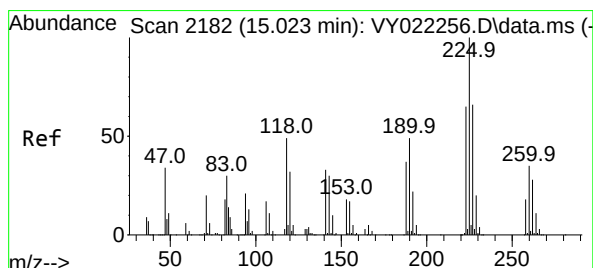
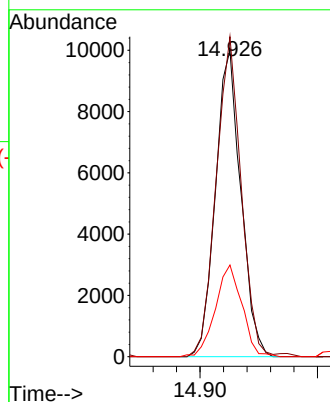
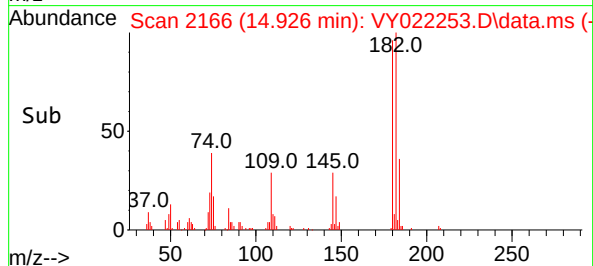
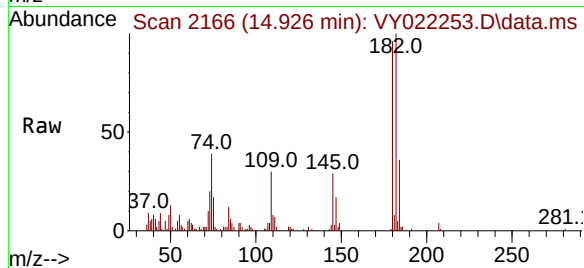
182 103.3 48.0 144.0

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

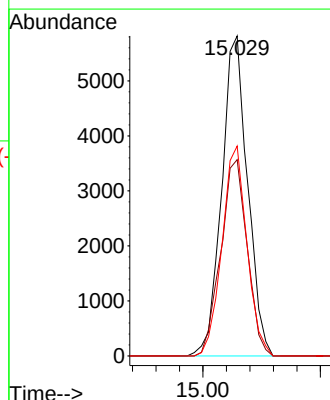
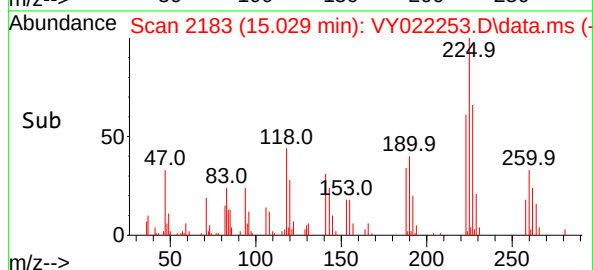
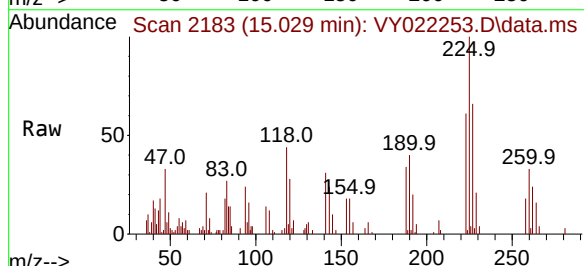
Tgt Ion:225 Resp: 8887

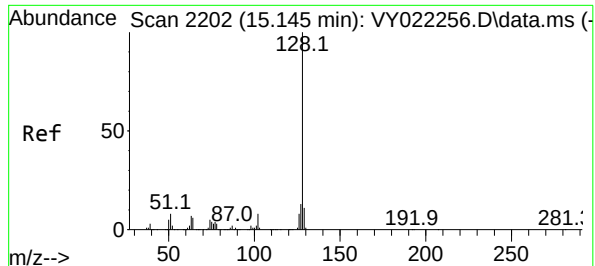
Ion Ratio Lower Upper

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 :

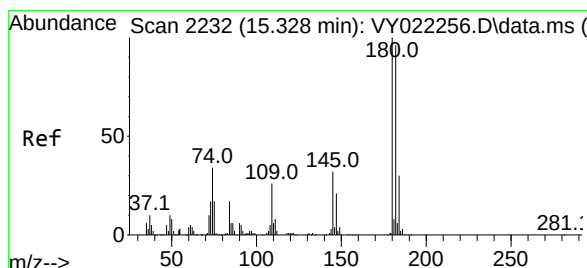
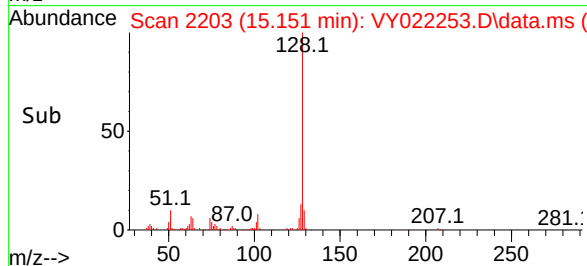
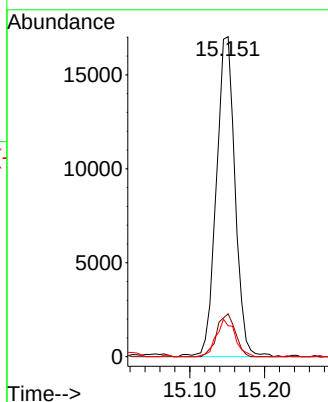
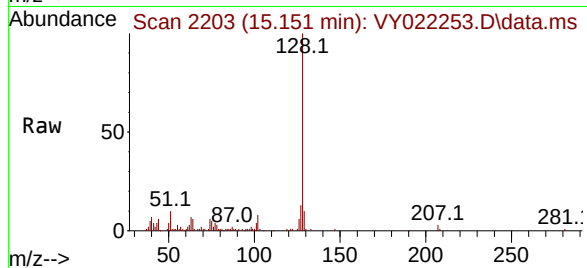
VSTDIC005

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

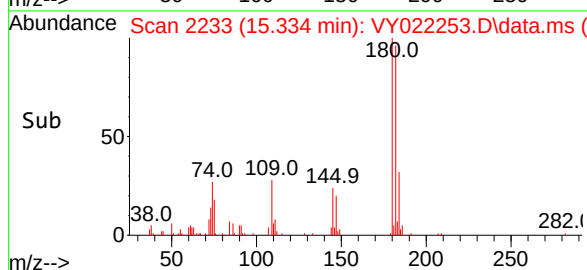
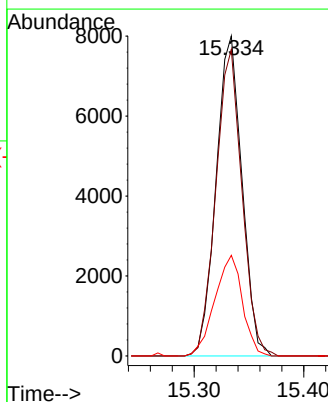
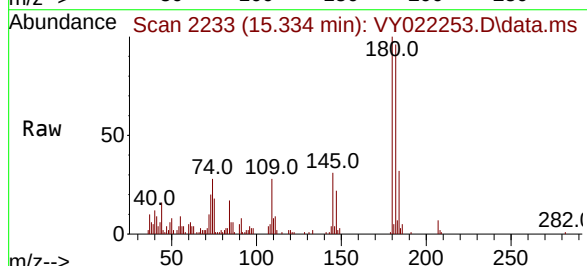
RT: 15.334 min Scan# 2233

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 : 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)

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

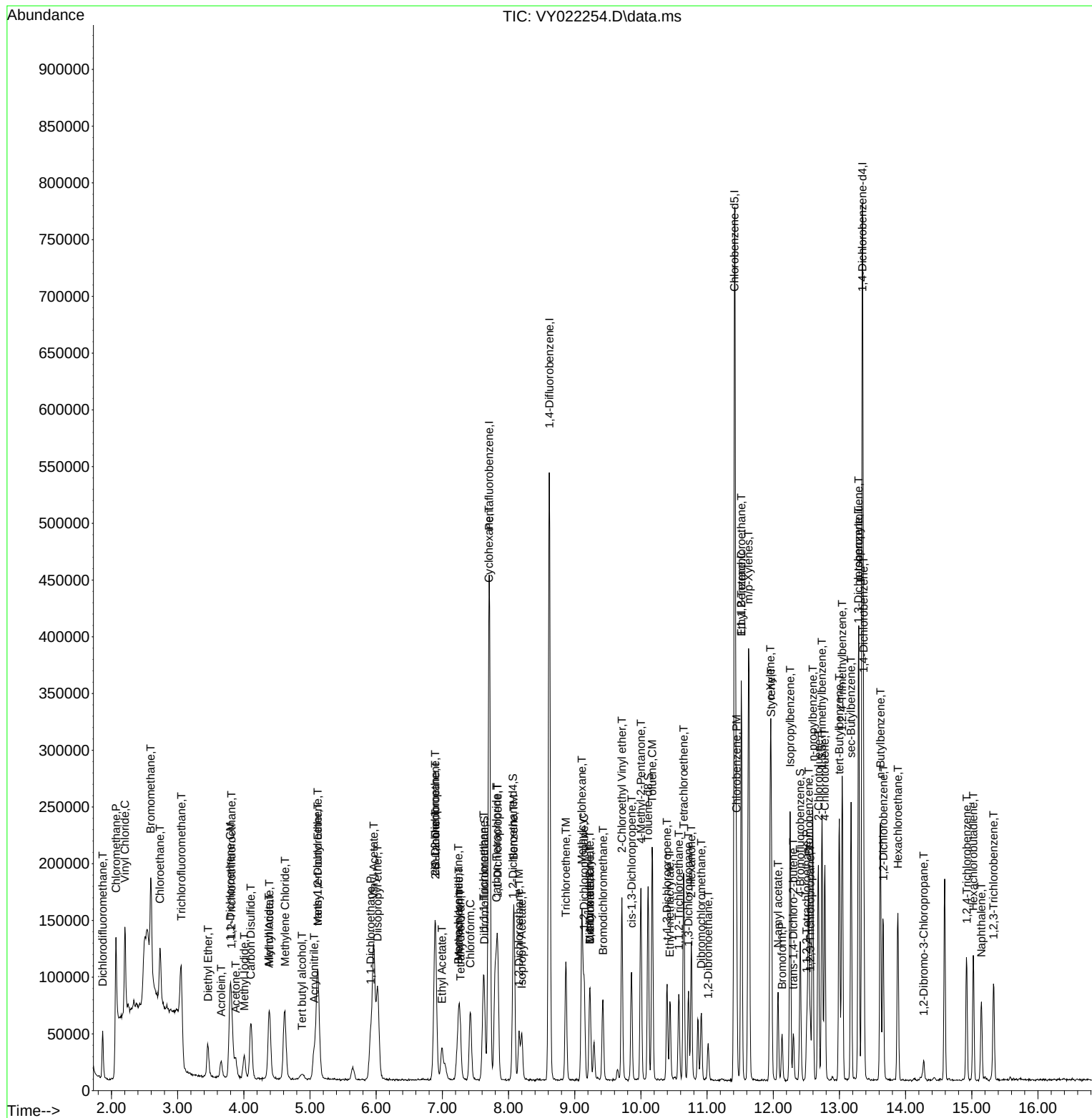
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

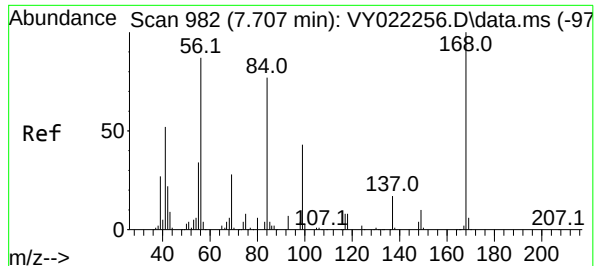
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

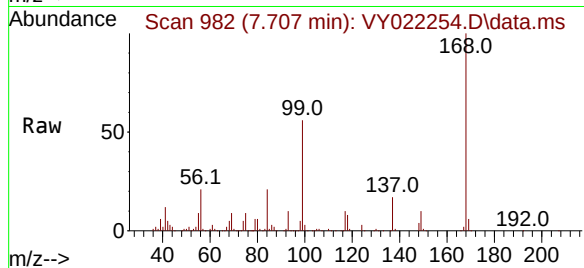
Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration





#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

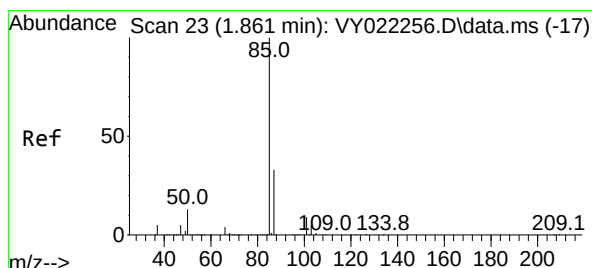
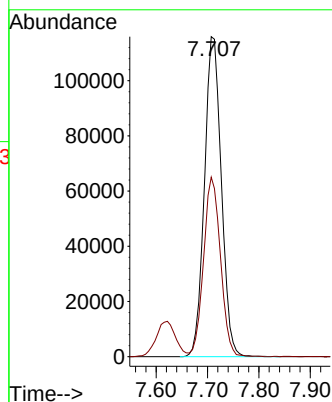
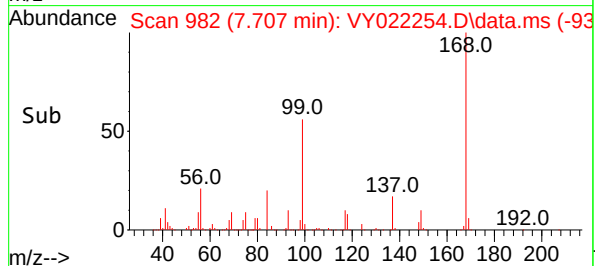
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

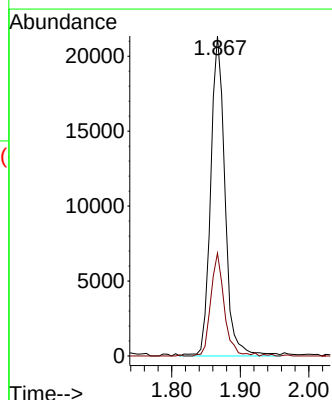
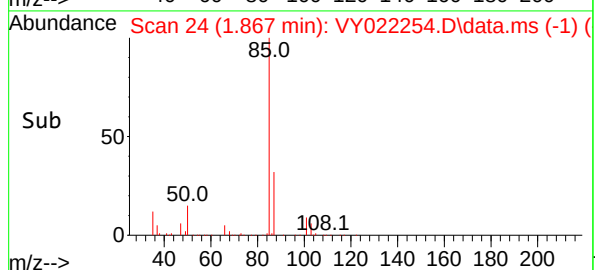
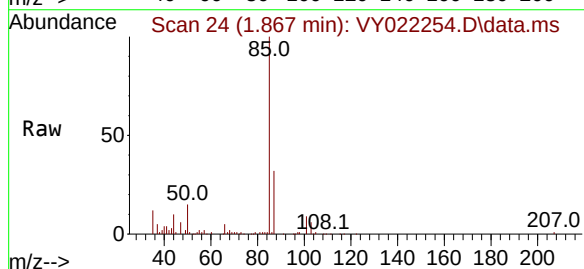
Manual Integrations
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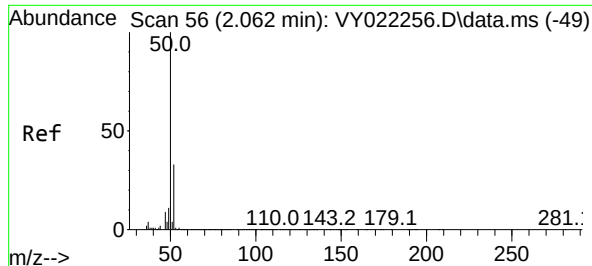
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

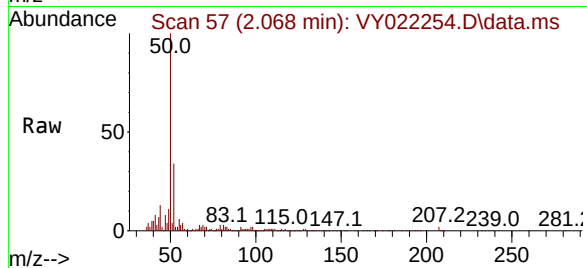
Tgt Ion: 85 Resp: 31097
Ion Ratio Lower Upper
85 100
87 32.2 16.5 49.5





#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

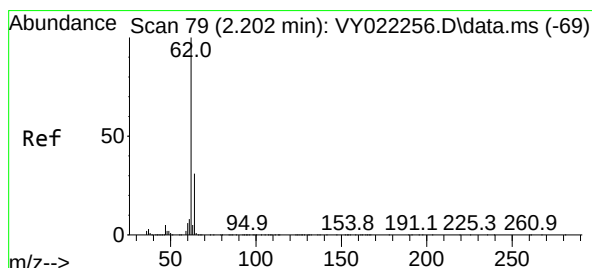
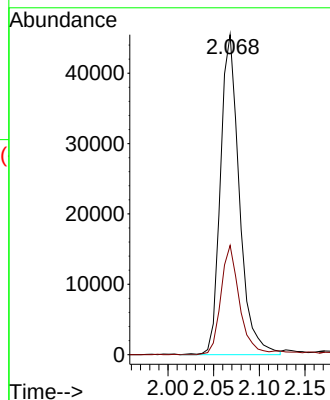
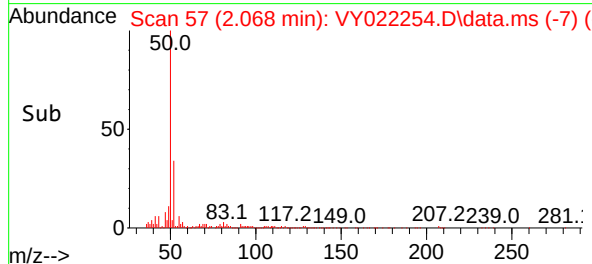
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

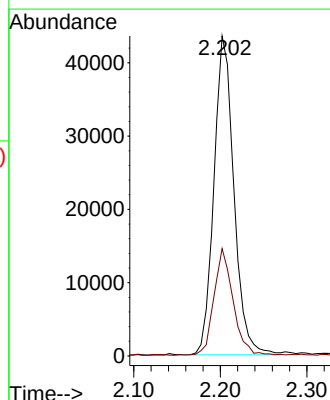
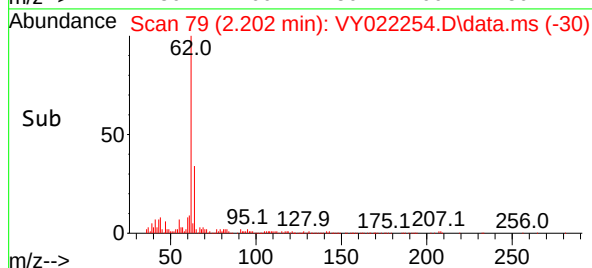
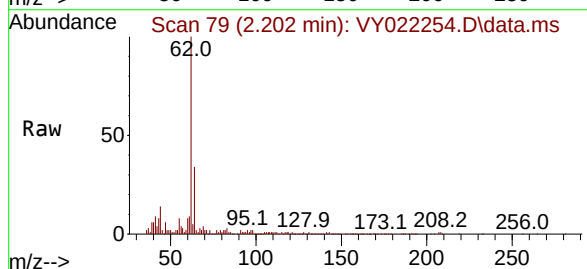
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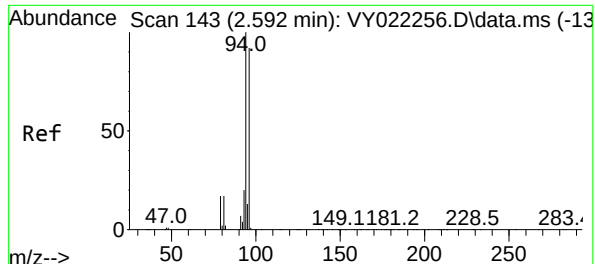
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

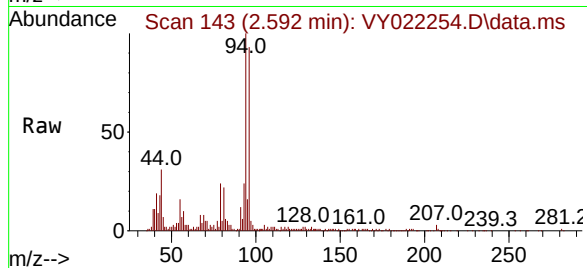
Tgt Ion: 62 Resp: 69800
Ion Ratio Lower Upper
62 100
64 33.2 24.5 36.7





#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

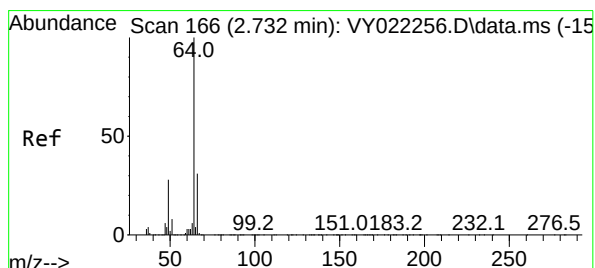
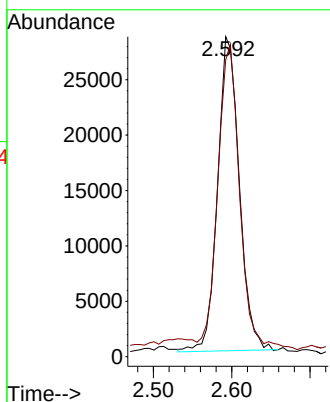
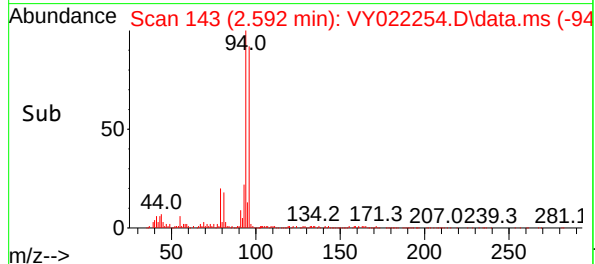
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

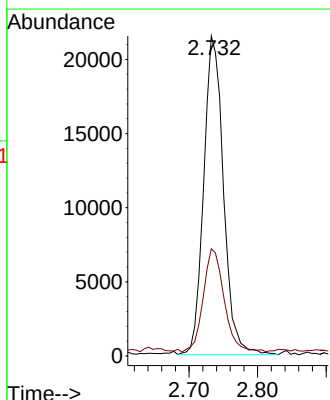
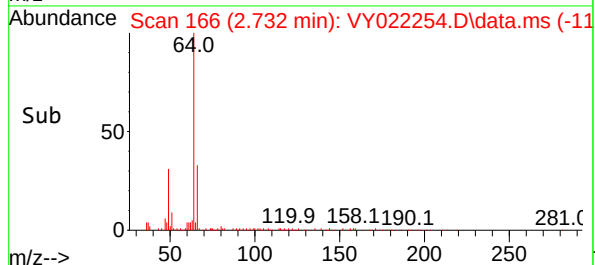
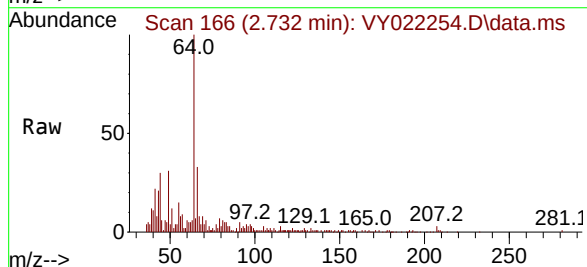
Manual Integrations
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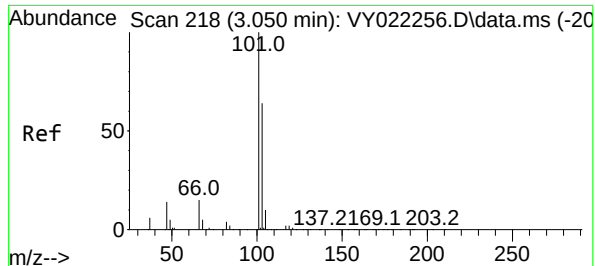
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





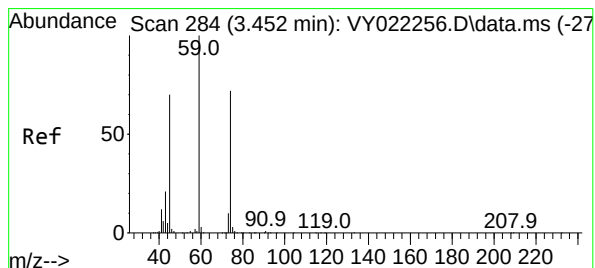
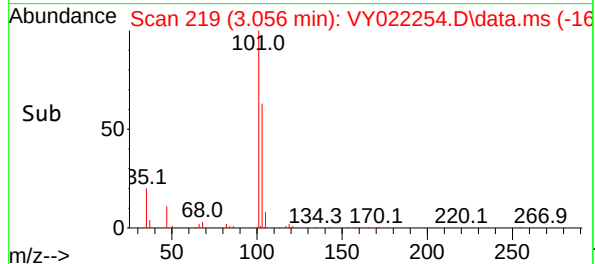
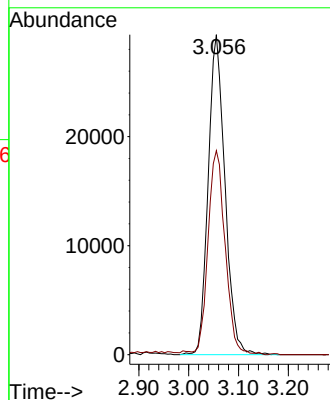
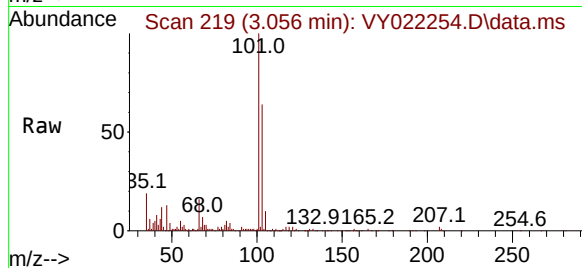
#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

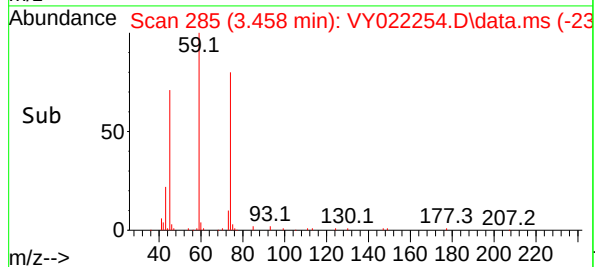
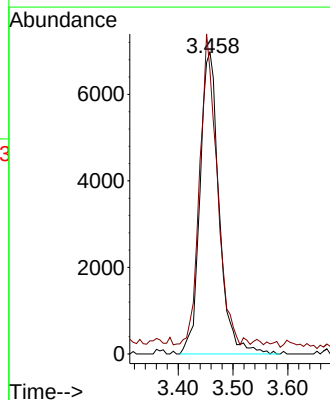
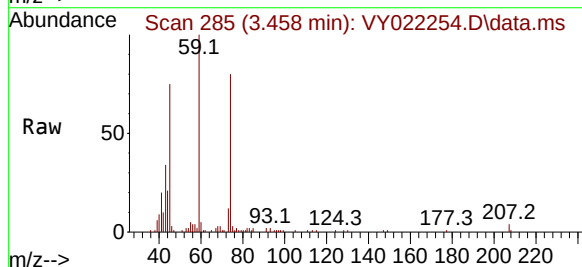
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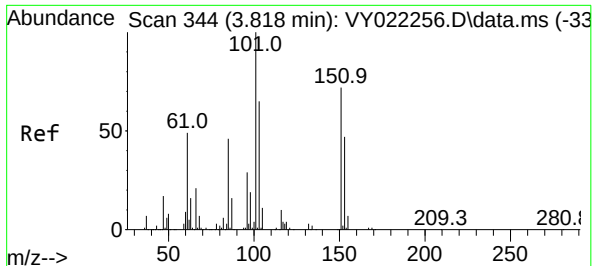
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





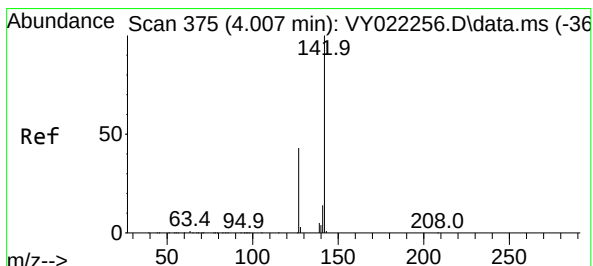
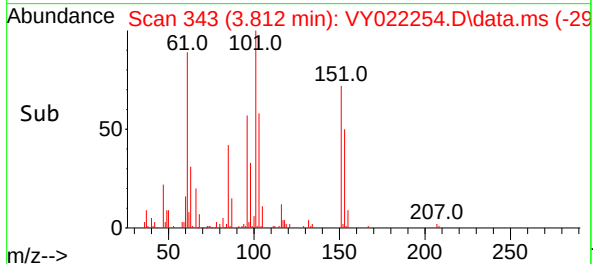
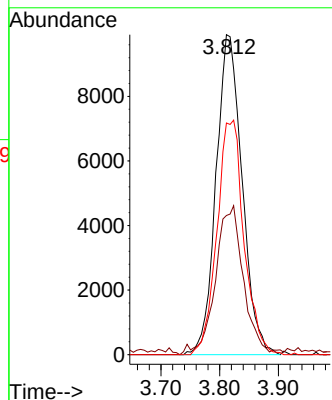
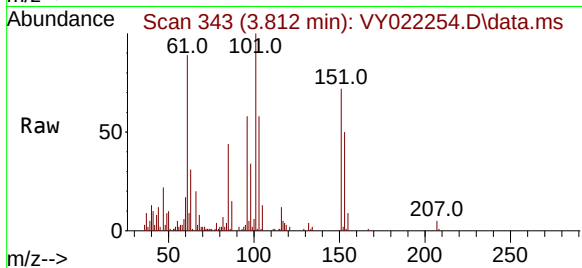
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.708 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

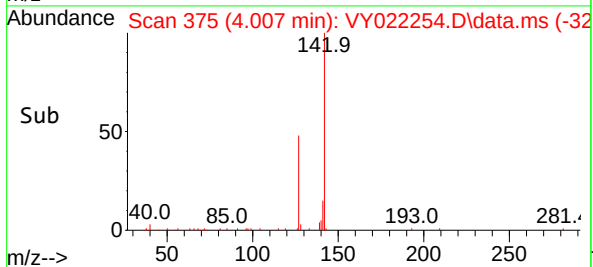
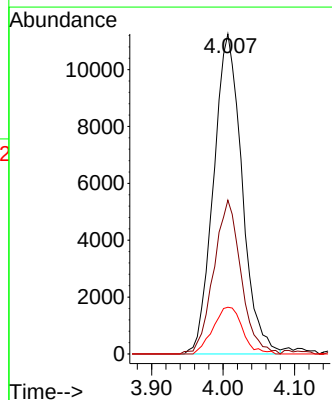
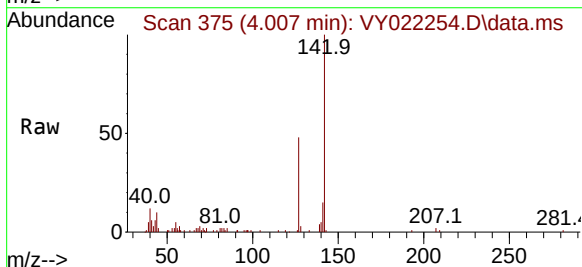
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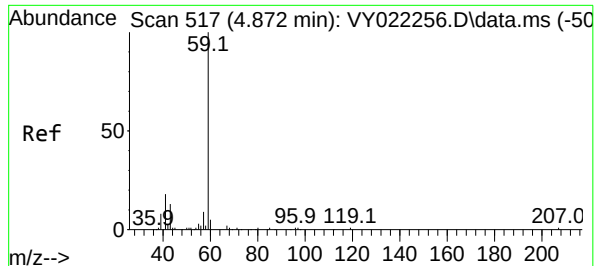
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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# 51

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

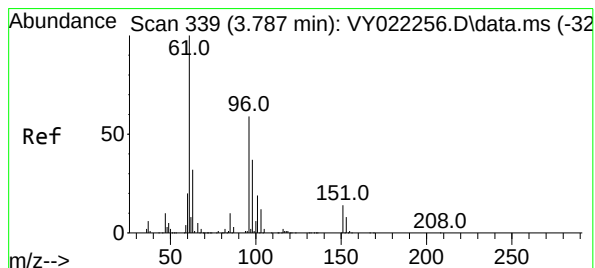
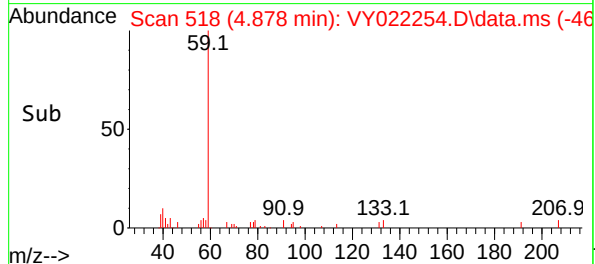
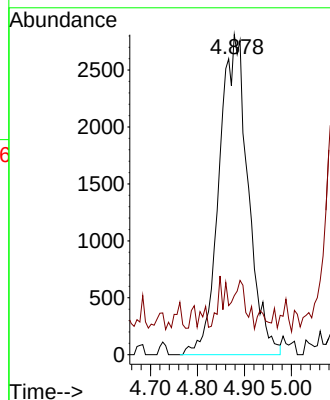
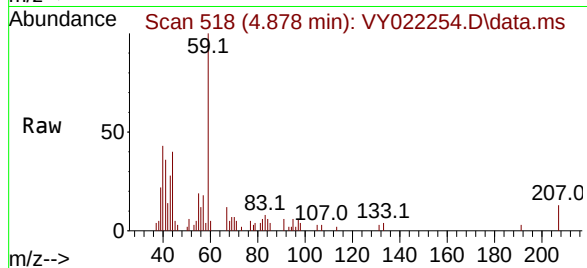
Ion Ratio Lower Upper

59 100

57 5.7 0.0 0.0

Manual Integrations

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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

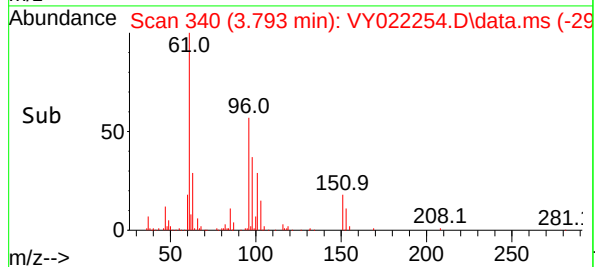
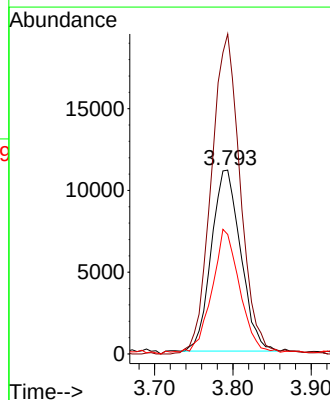
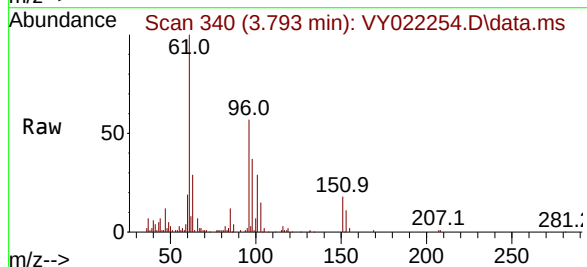
Tgt Ion: 96 Resp: 28831

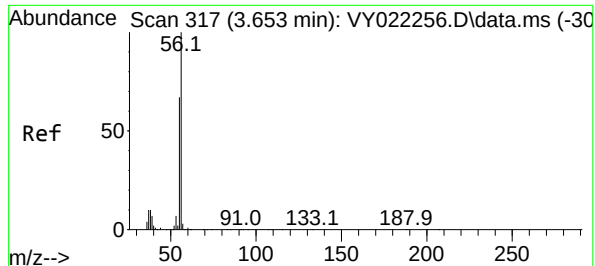
Ion Ratio Lower Upper

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

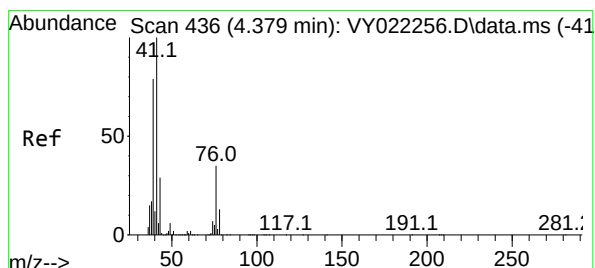
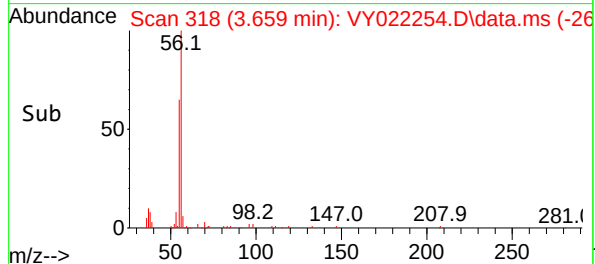
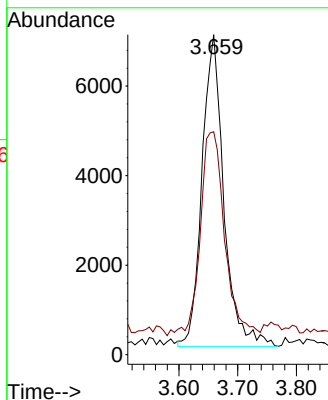
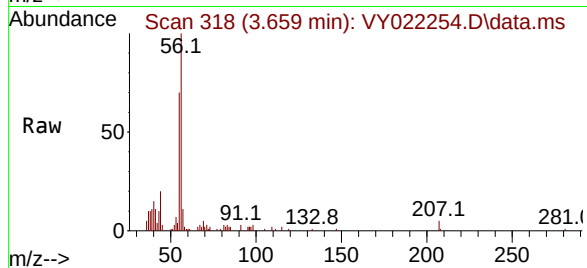
ClientSampleId :

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

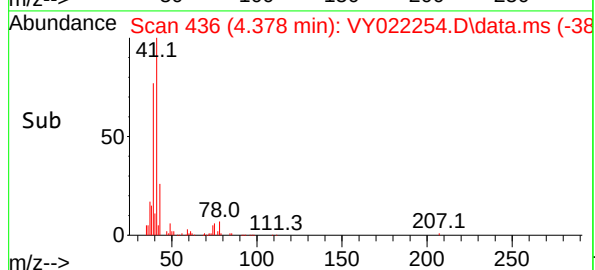
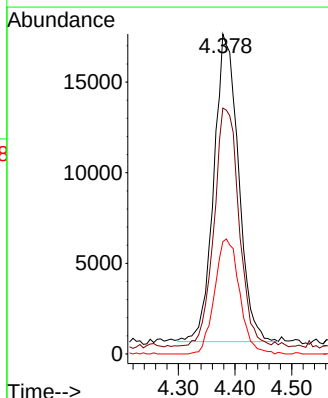
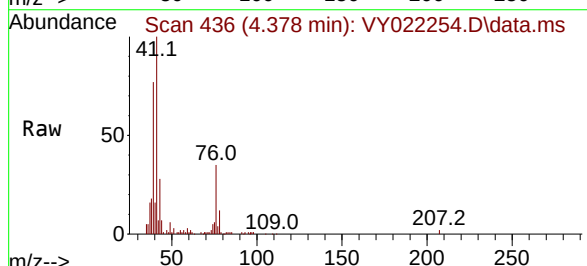
Tgt Ion: 41 Resp: 51275

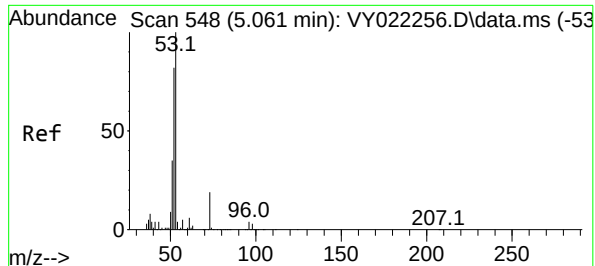
Ion Ratio Lower Upper

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 :

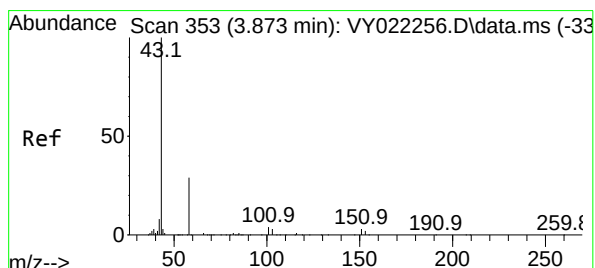
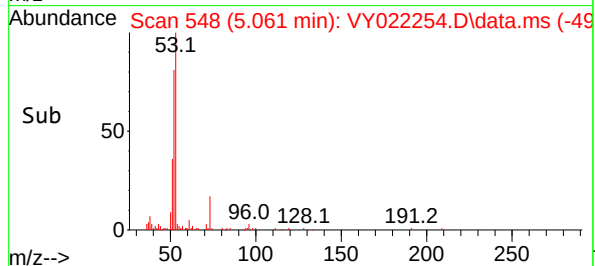
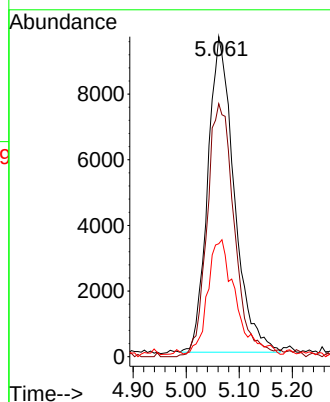
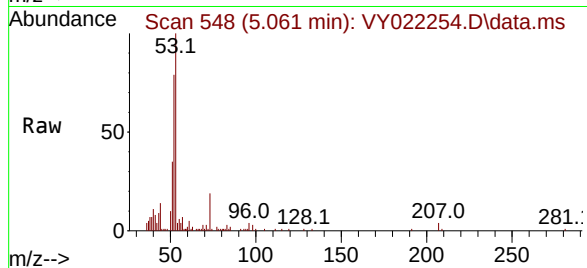
VSTDIC010

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

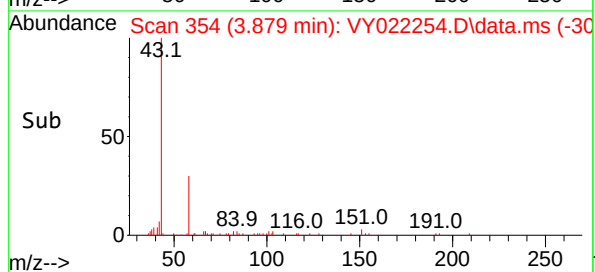
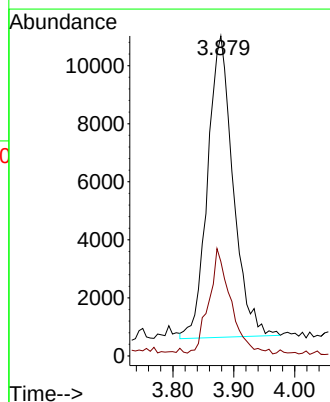
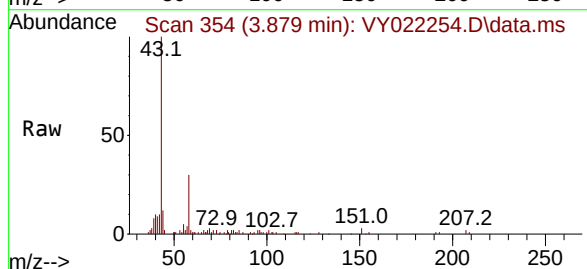
RT: 3.879 min Scan# 354

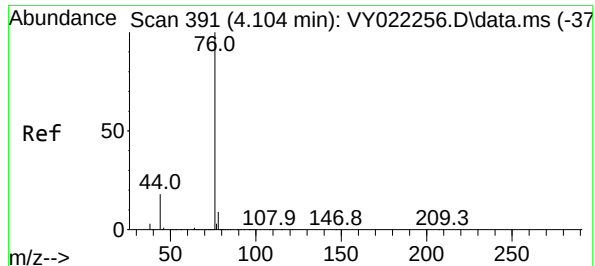
Delta R.T. 0.006 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

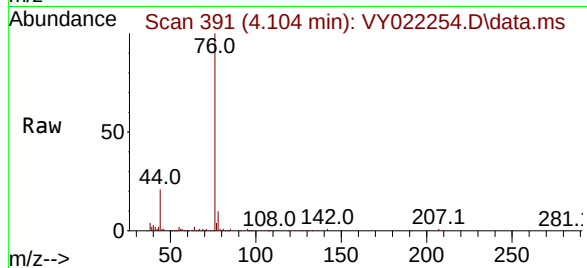
Tgt Ion:	43	Resp:	30229
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#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

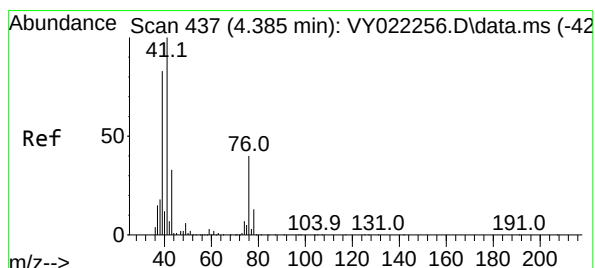
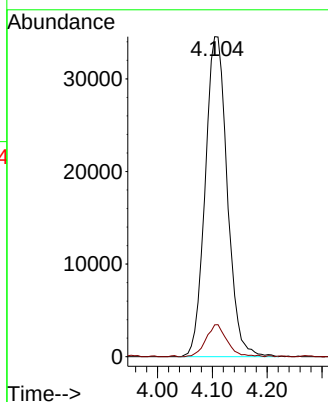
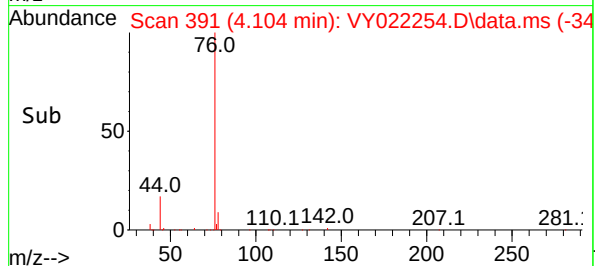
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

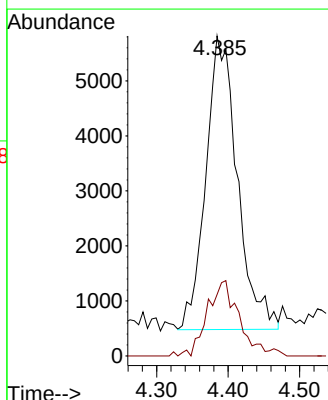
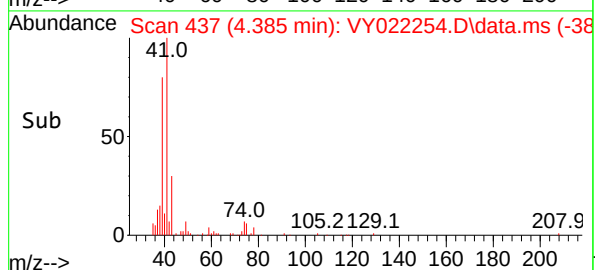
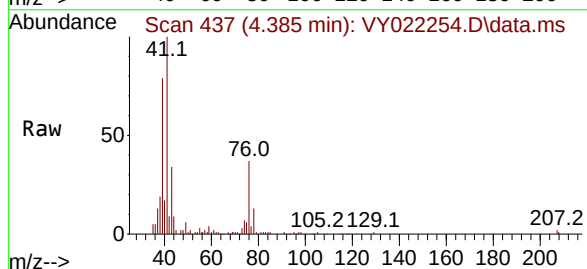
Manual Integrations
APPROVED

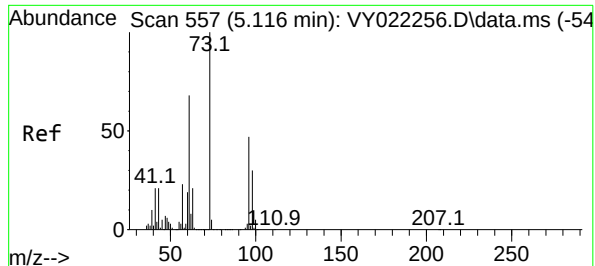
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

VSTDIC010

Tgt Ion: 73 Resp: 80714

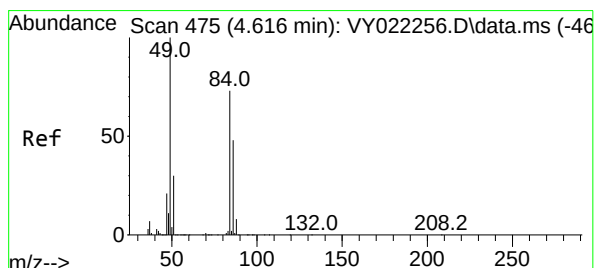
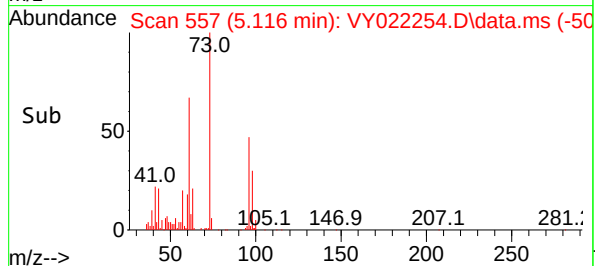
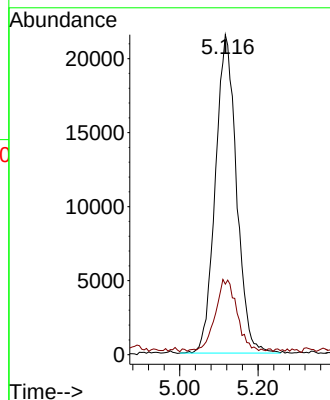
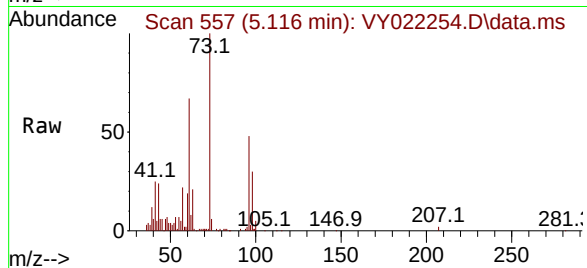
Ion Ratio Lower Upper

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

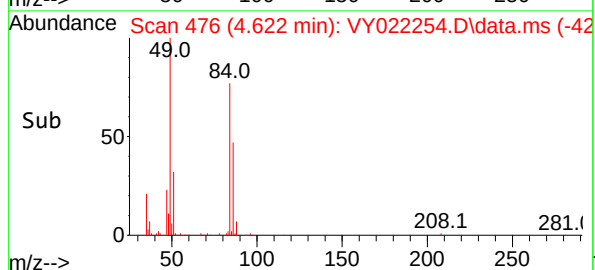
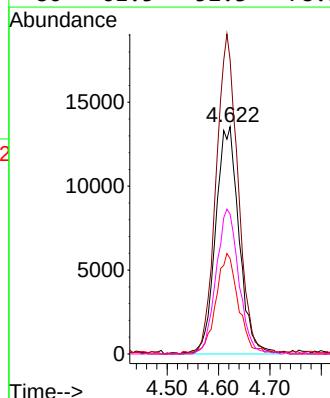
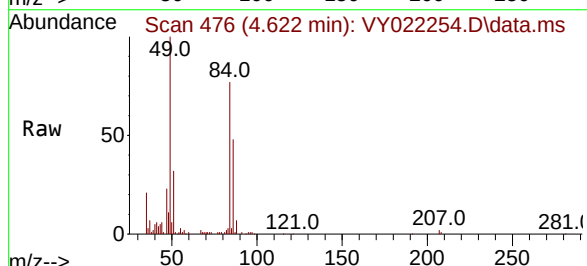
Ion Ratio Lower Upper

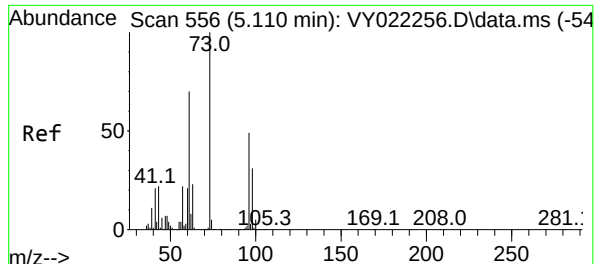
84 100

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

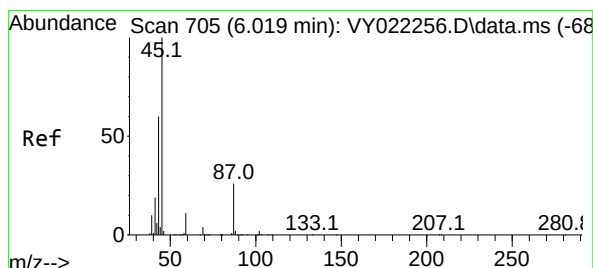
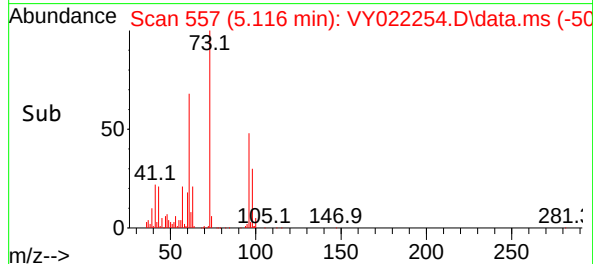
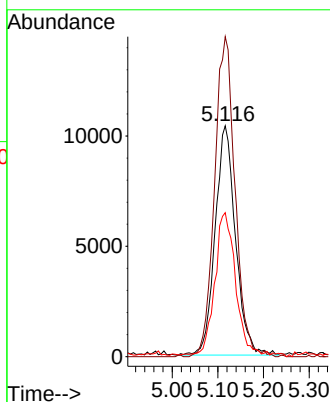
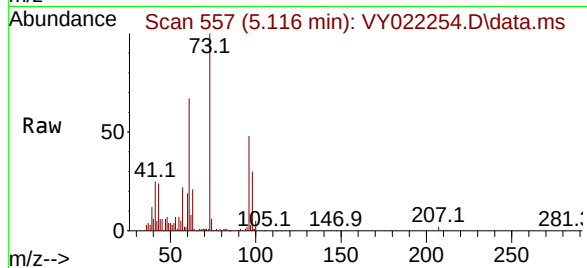
96 100

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

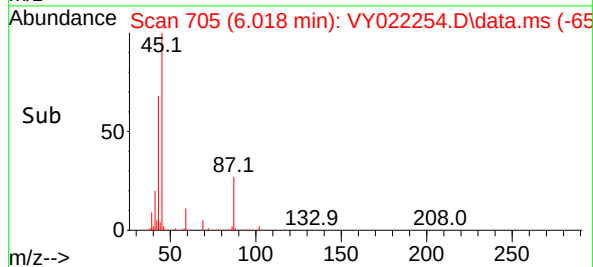
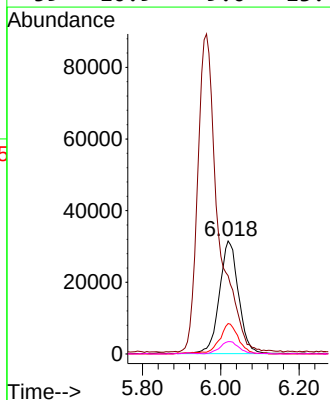
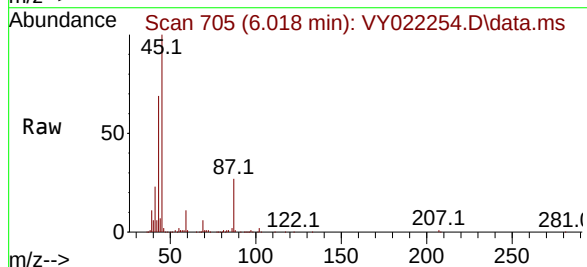
Ion Ratio Lower Upper

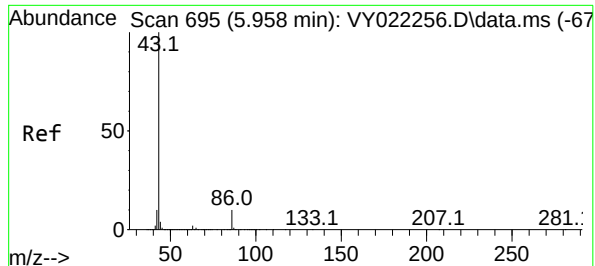
45 100

43 67.7 48.2 72.2

87 26.8 21.4 32.0

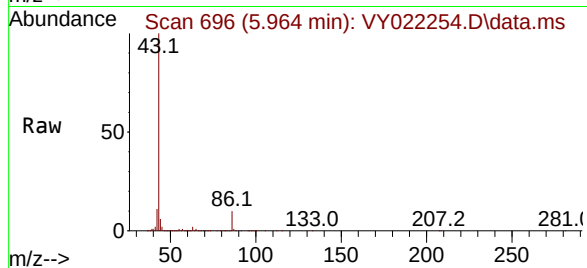
59 10.9 9.0 13.4





#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

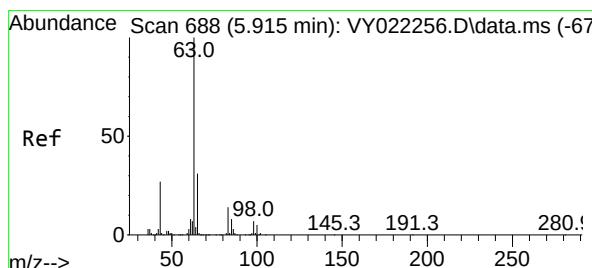
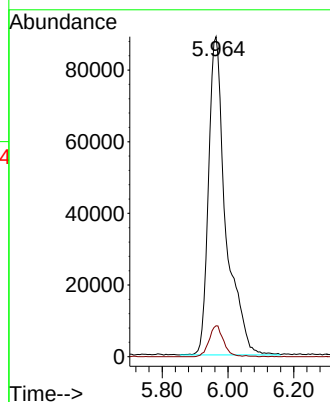
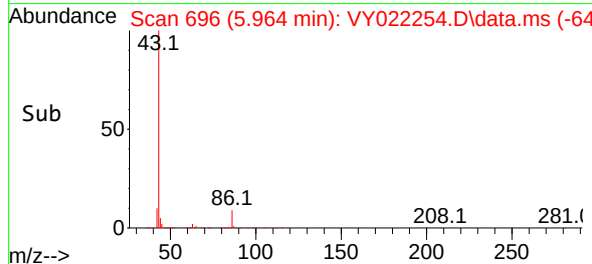
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



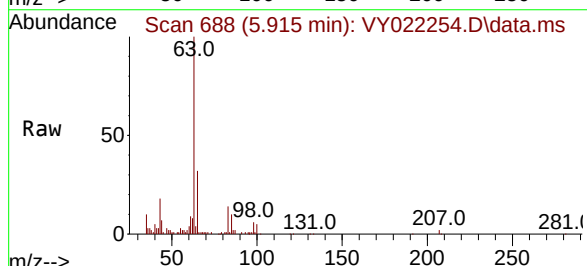
Tgt Ion: 43 Resp: 32465
Ion Ratio Lower Upper
43 100
86 9.7 7.8 11.8

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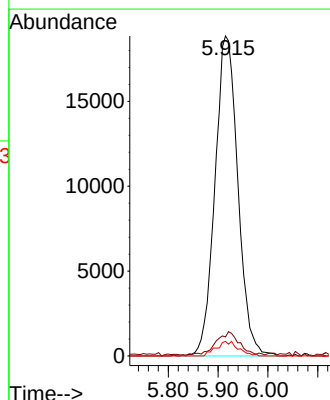
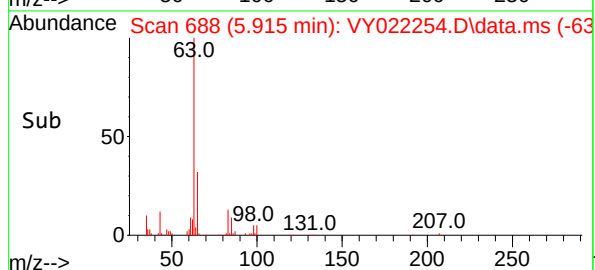
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

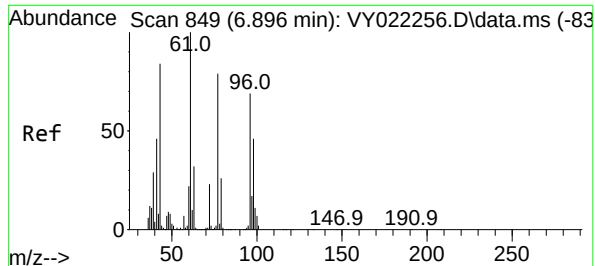


#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



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

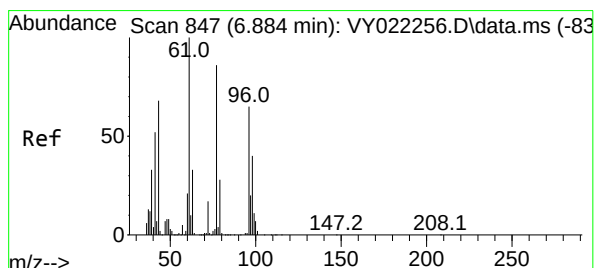
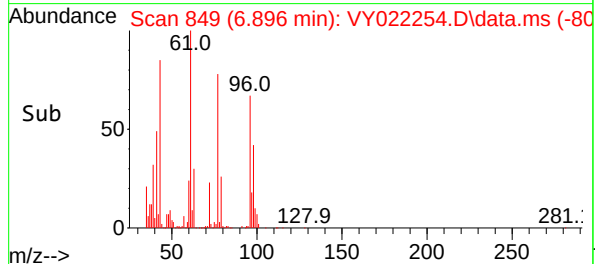
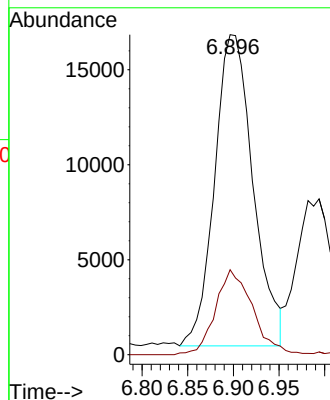
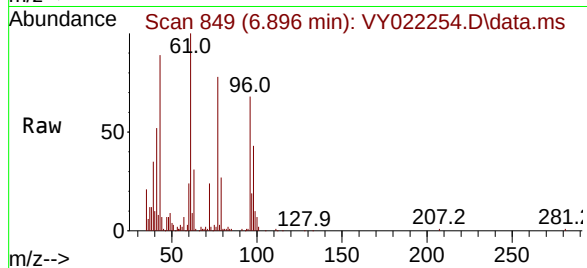
Ion Ratio Lower Upper

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

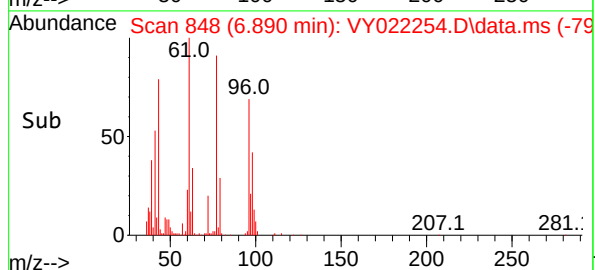
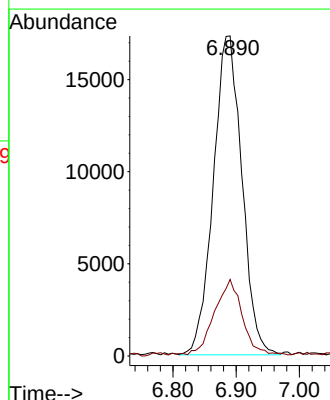
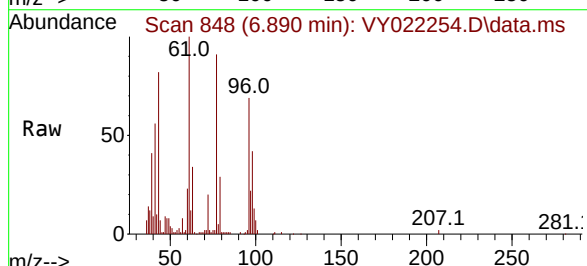
Acq: 15 May 2025 10:16

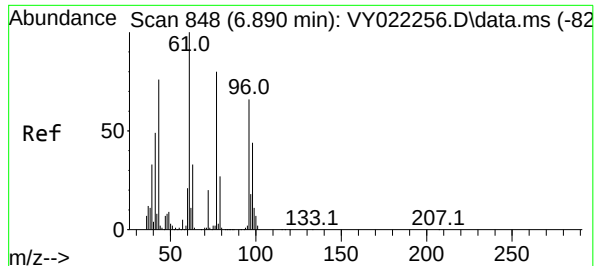
Tgt Ion: 77 Resp: 54264

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 :

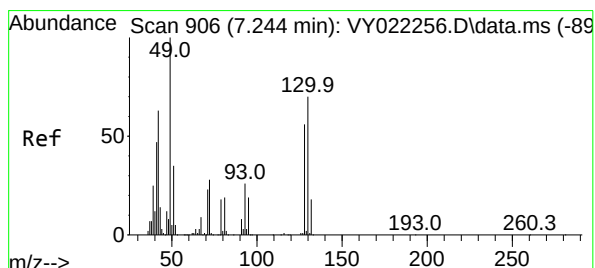
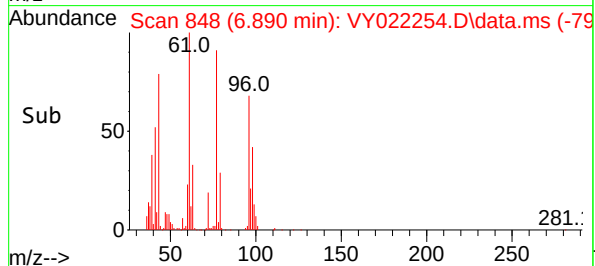
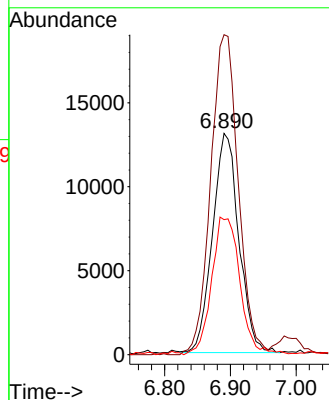
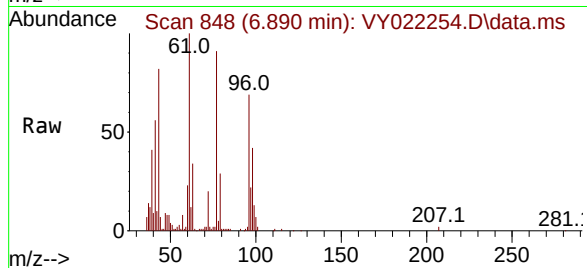
MSVOA_Y

ClientSampleId :

VSTDIC010

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

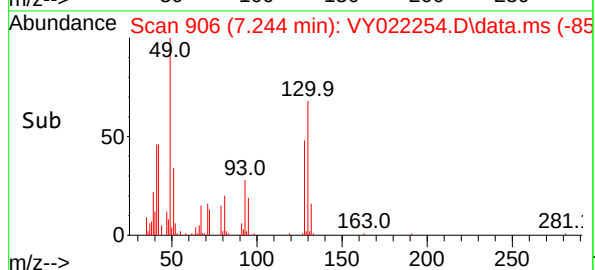
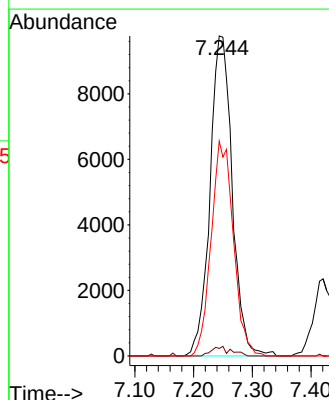
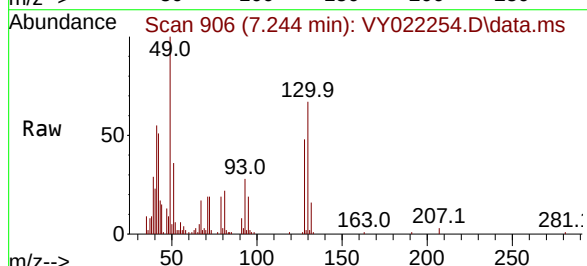
Tgt Ion: 49 Resp: 25664

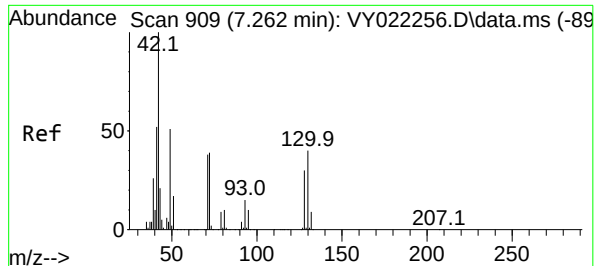
Ion Ratio Lower Upper

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

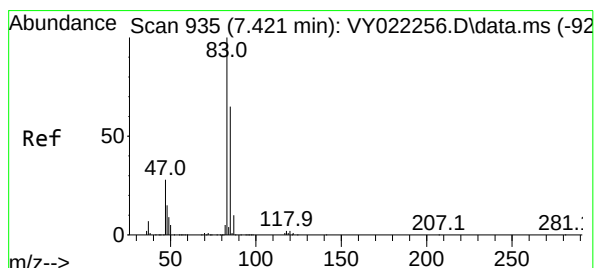
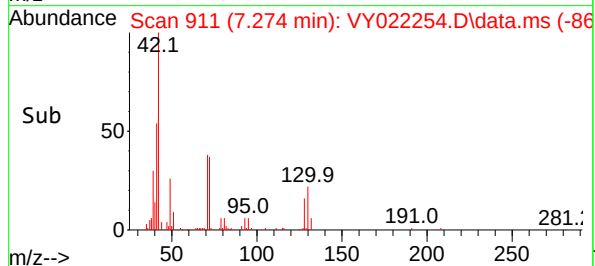
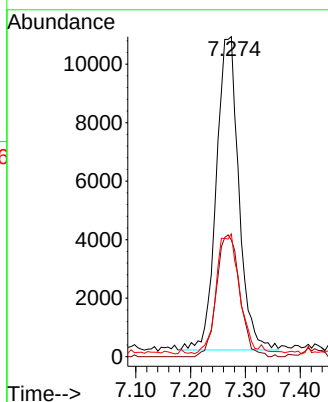
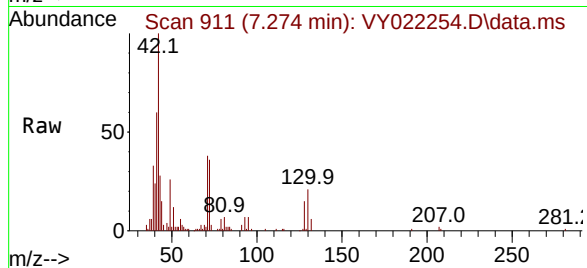
42 100

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

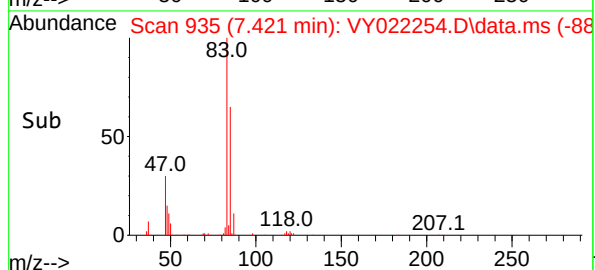
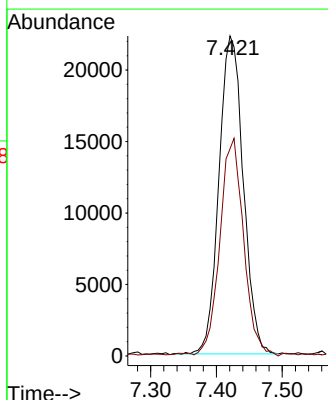
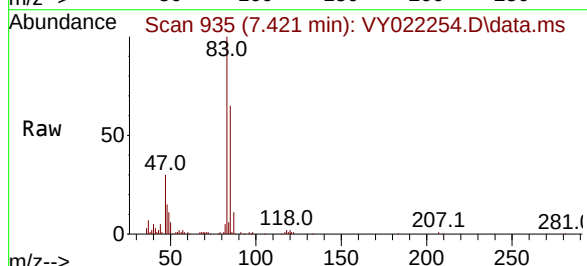
Acq: 15 May 2025 10:16

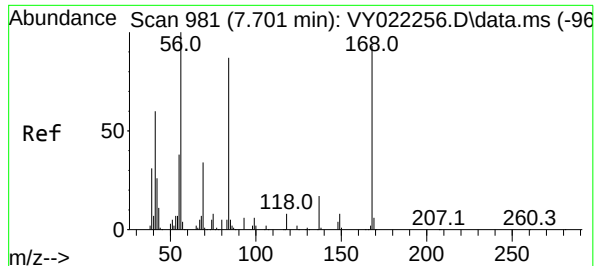
Tgt Ion: 83 Resp: 57172

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

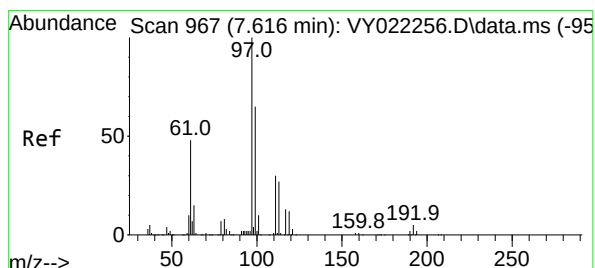
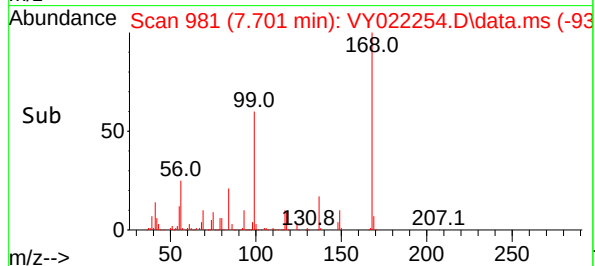
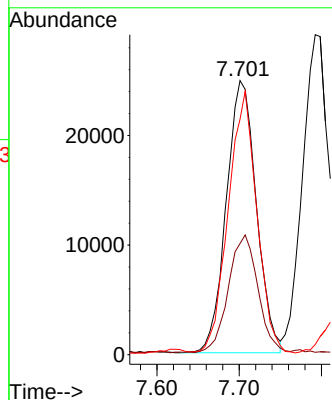
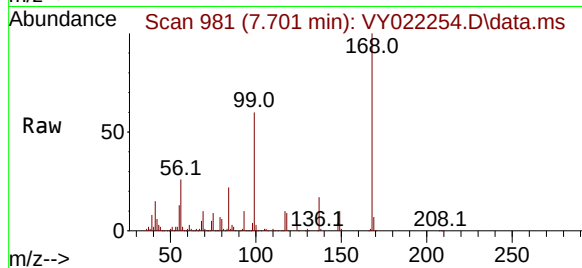
56 100

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

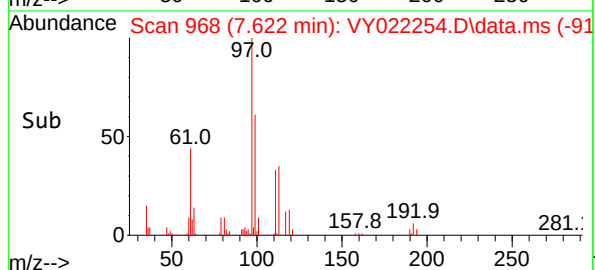
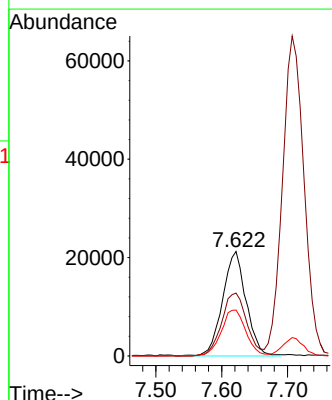
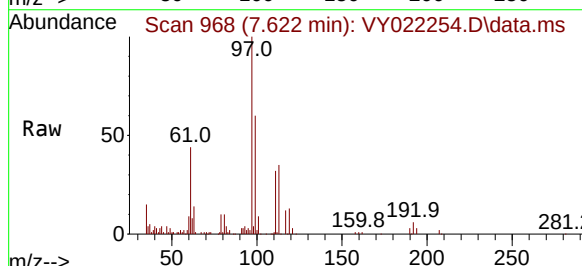
Tgt Ion: 97 Resp: 52856

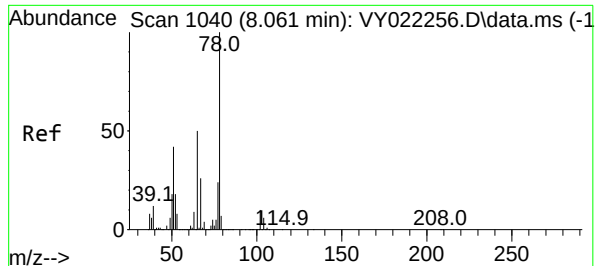
Ion Ratio Lower Upper

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

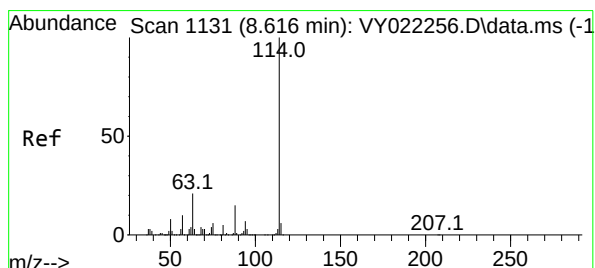
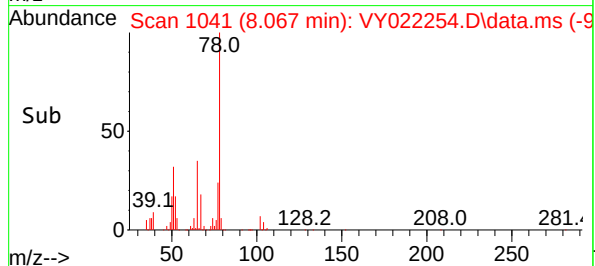
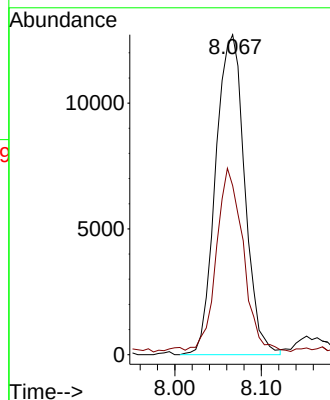
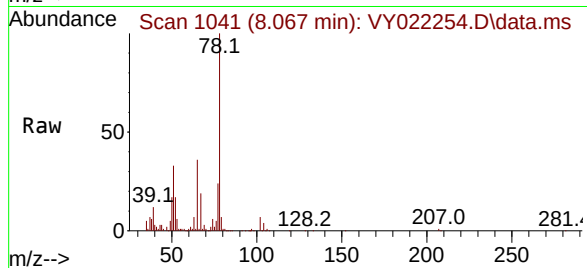
Ion Ratio Lower Upper

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

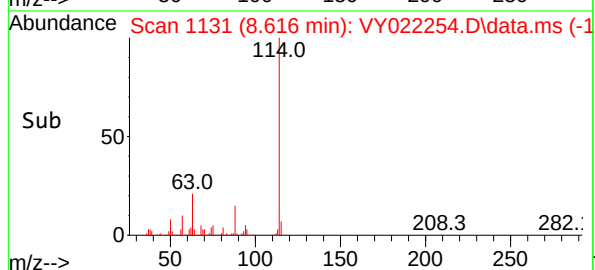
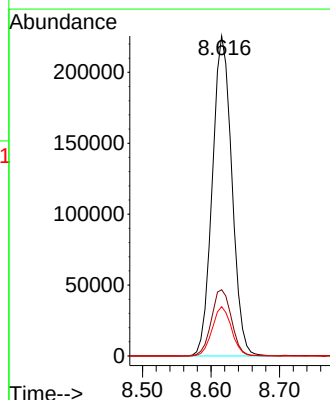
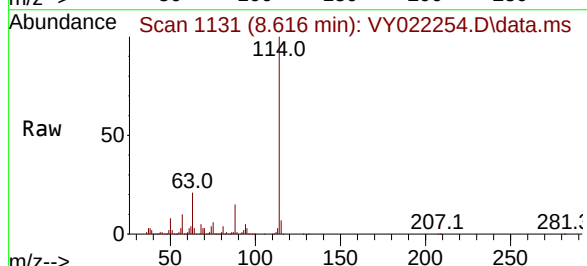
Tgt Ion:114 Resp: 446109

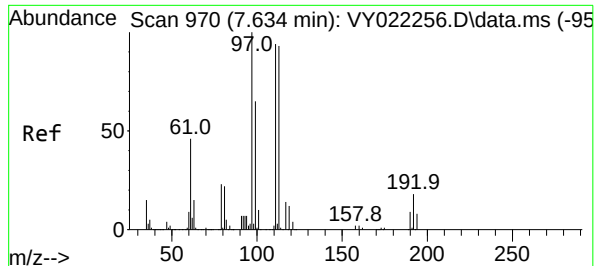
Ion Ratio Lower Upper

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 :

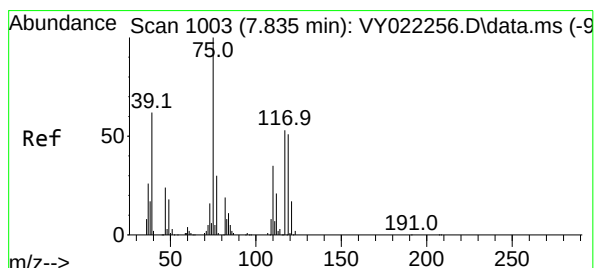
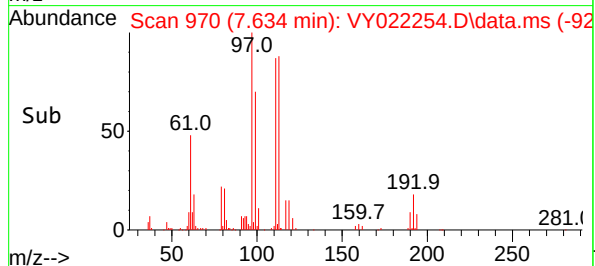
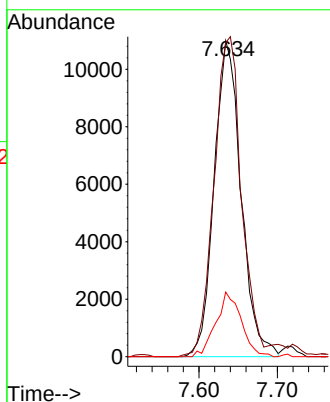
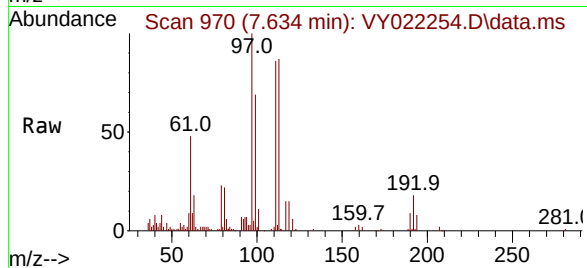
VSTDIC010

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

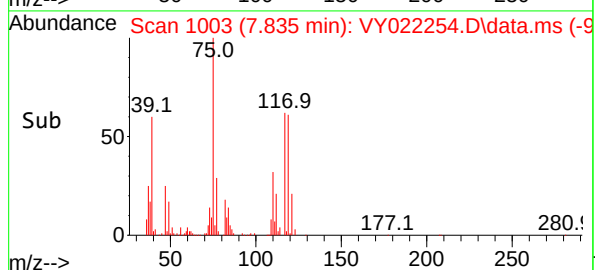
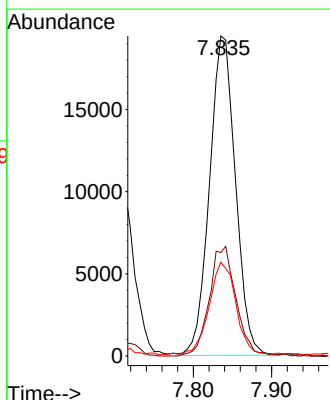
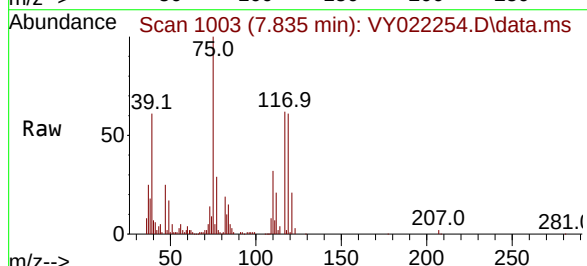
RT: 7.835 min Scan# 1003

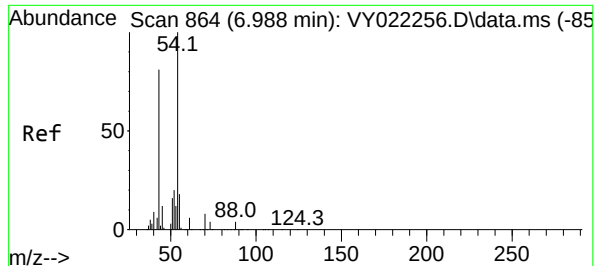
Delta R.T. -0.000 min

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

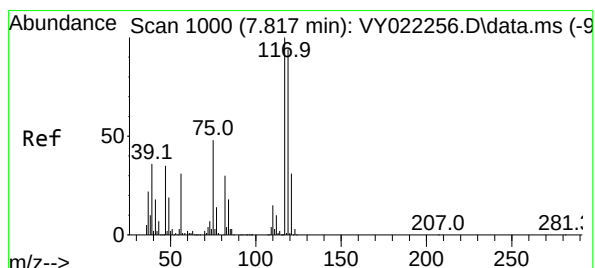
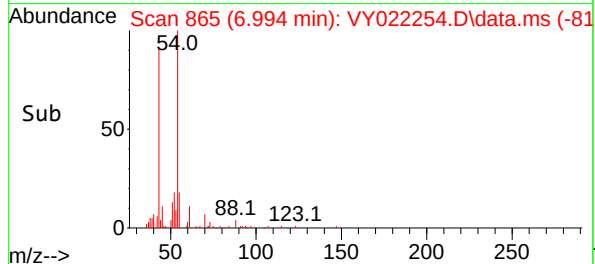
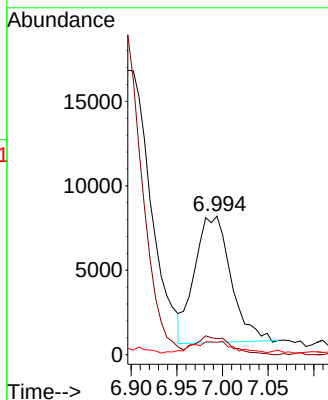
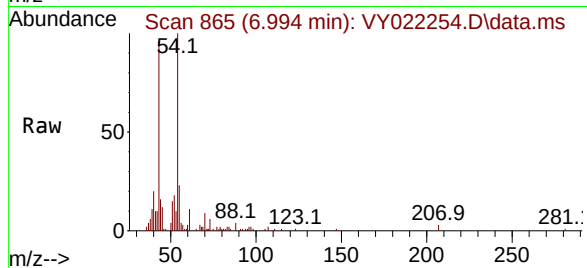
61 14.2 10.2 15.2

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

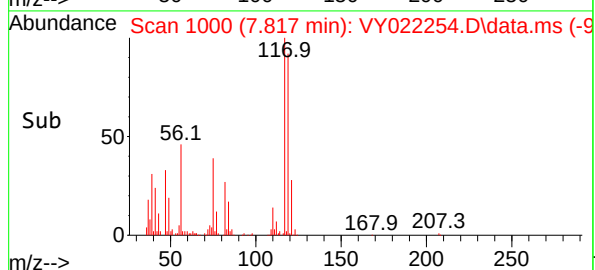
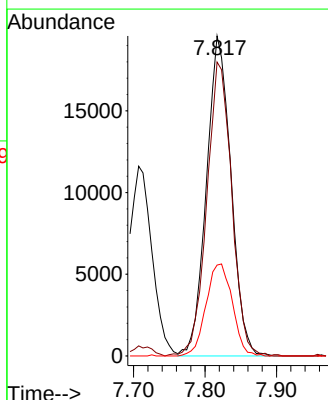
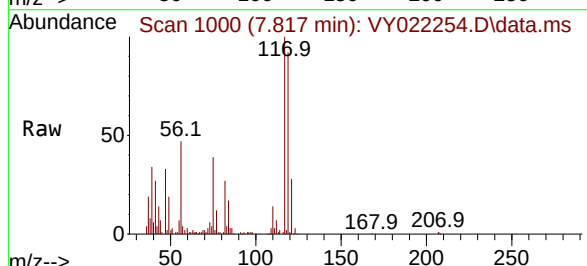
Tgt Ion:117 Resp: 46772

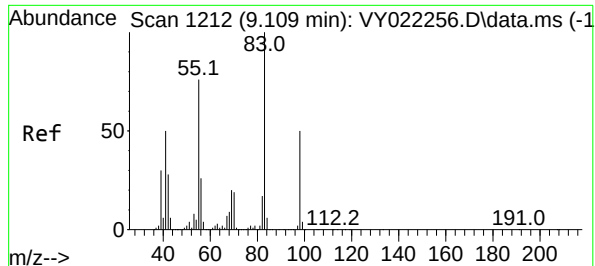
Ion Ratio Lower Upper

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

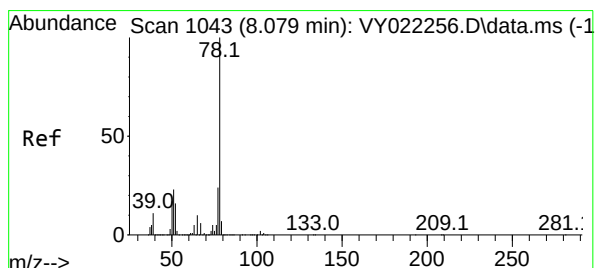
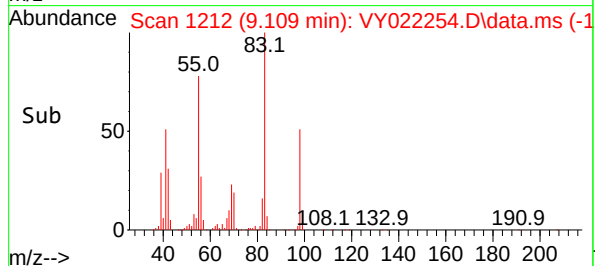
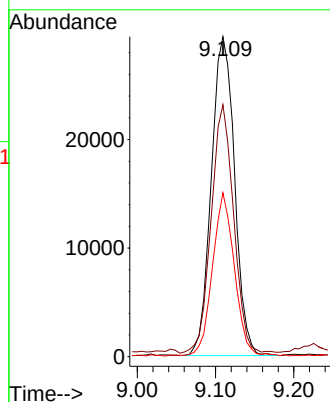
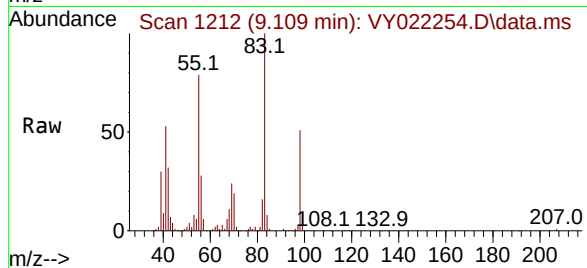
83 100

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

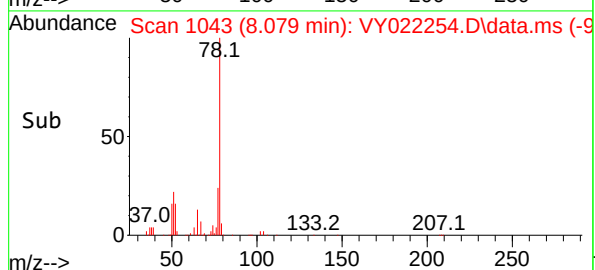
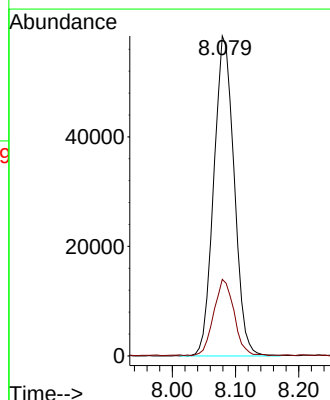
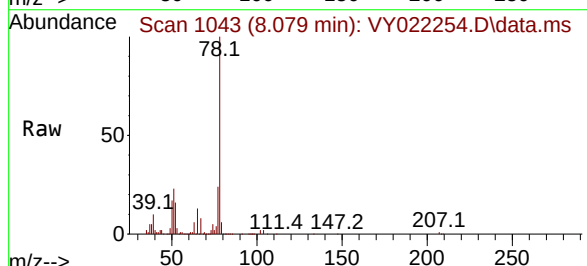
Acq: 15 May 2025 10:16

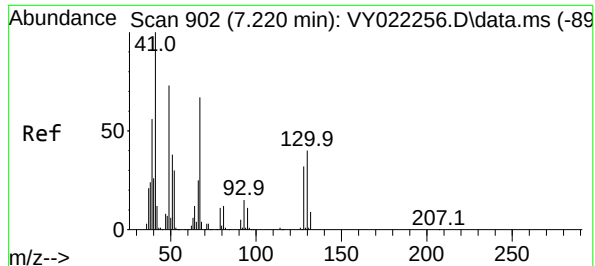
Tgt Ion: 78 Resp: 130423

Ion Ratio Lower Upper

78 100

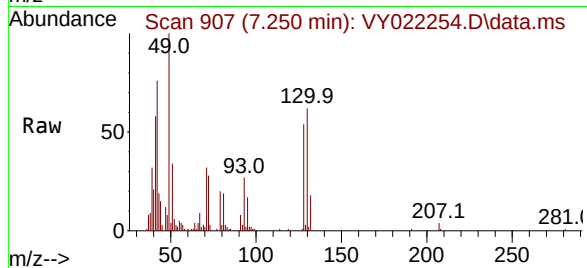
77 23.7 18.9 28.3





#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

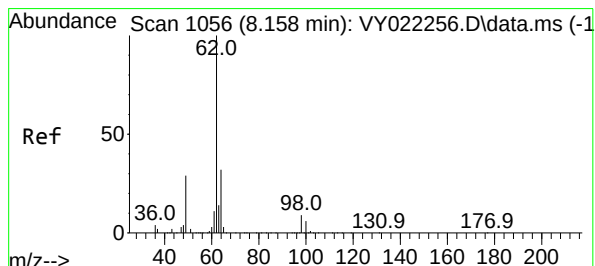
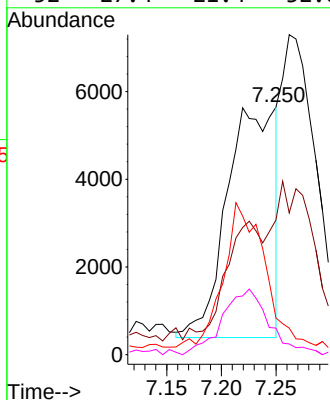
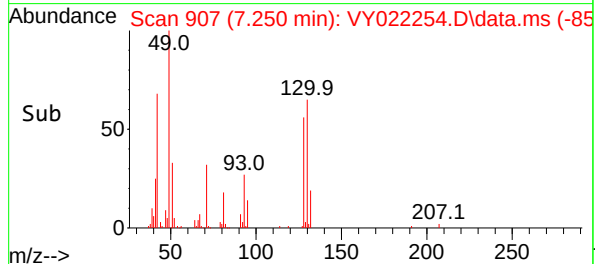
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

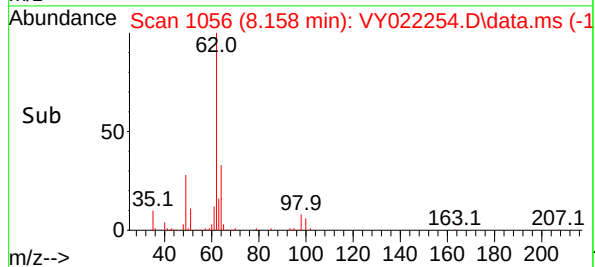
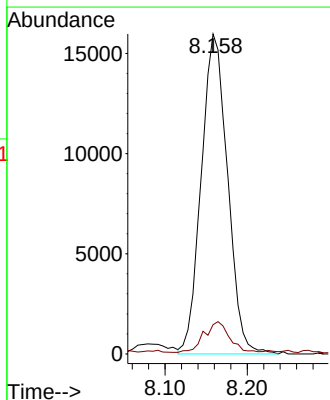
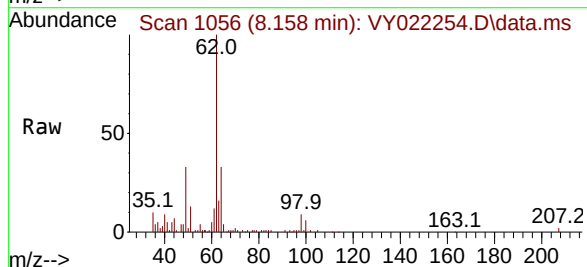
Manual Integrations
APPROVED

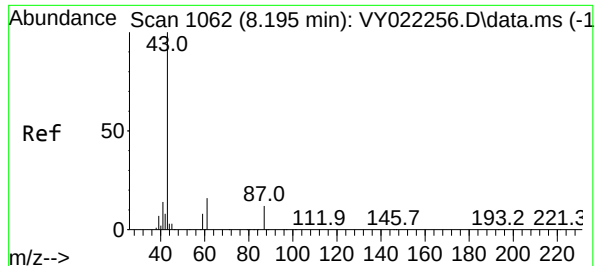
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

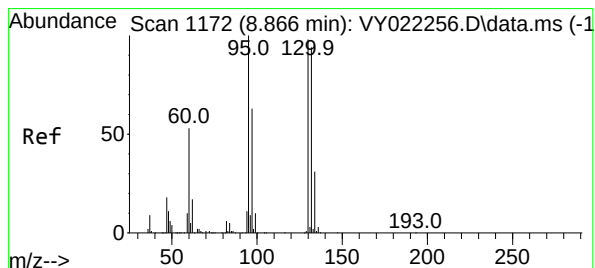
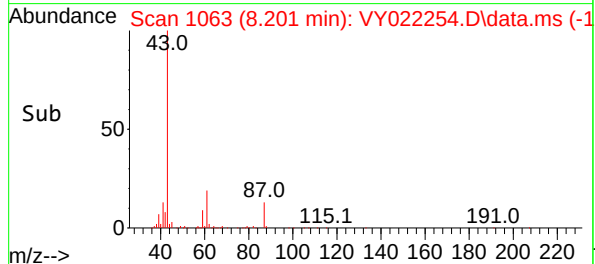
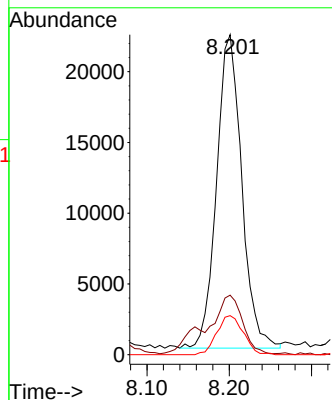
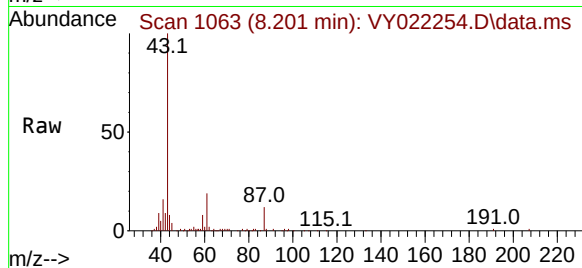
87 13.1 9.7 14.5

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

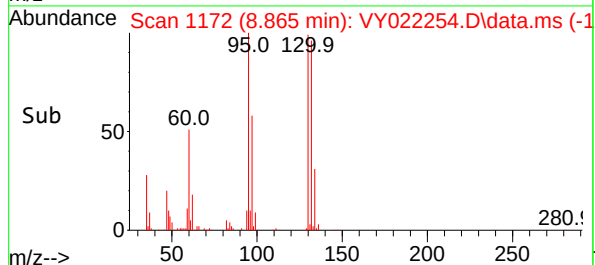
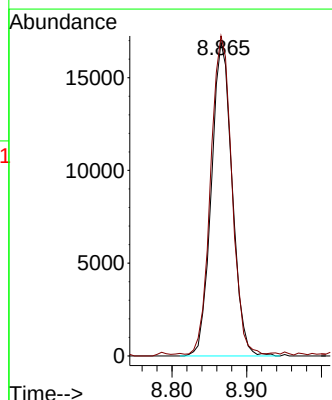
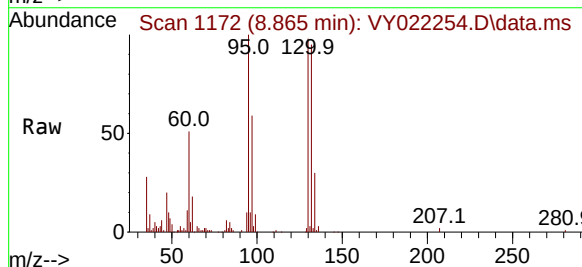
Acq: 15 May 2025 10:16

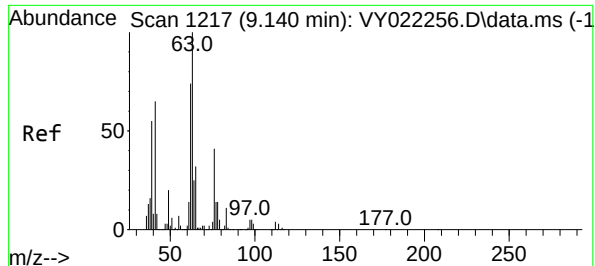
Tgt Ion:130 Resp: 32655

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

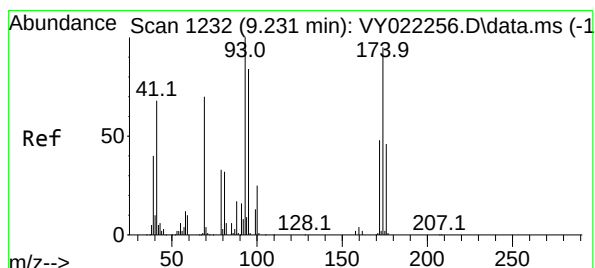
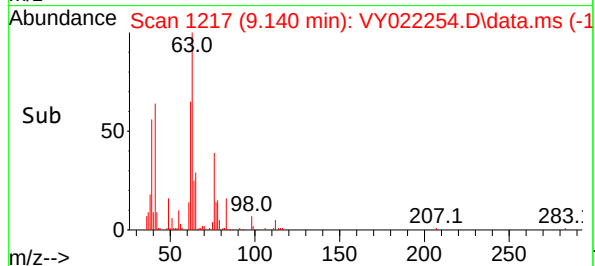
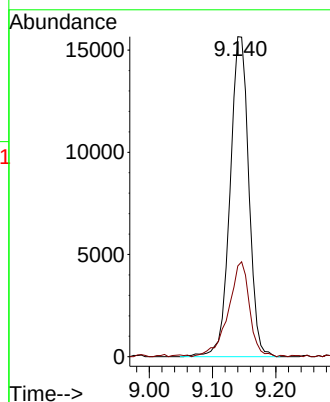
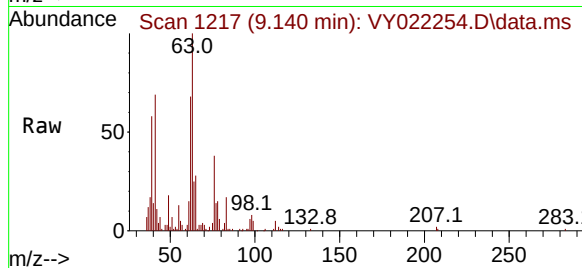
63 100

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

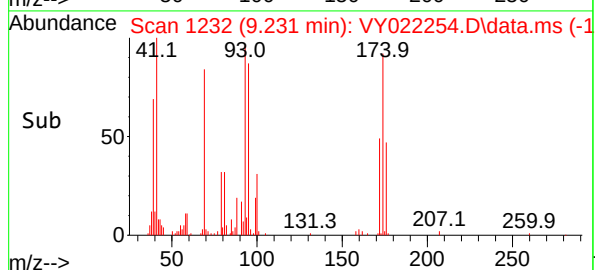
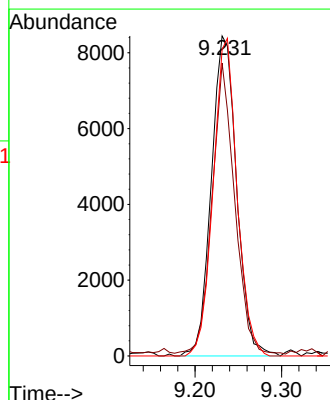
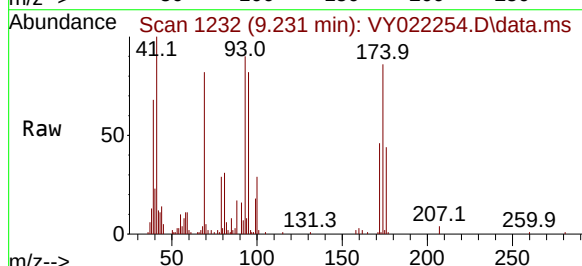
Tgt Ion: 93 Resp: 17134

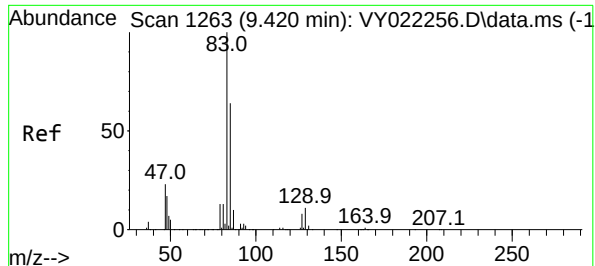
Ion Ratio Lower Upper

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 :

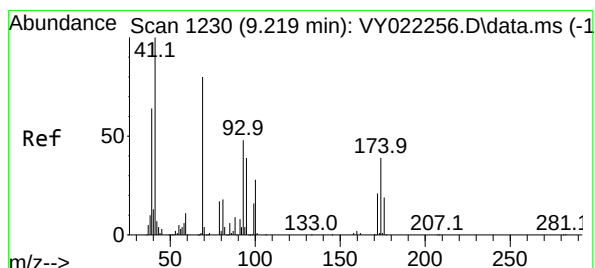
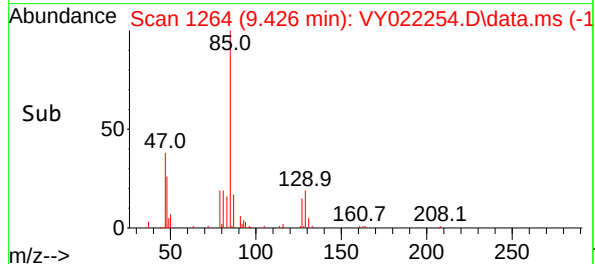
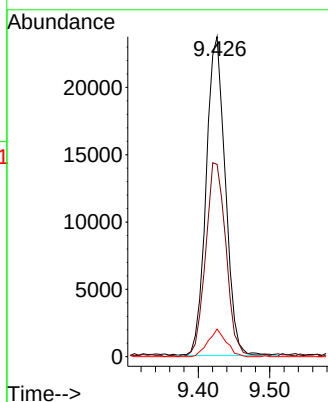
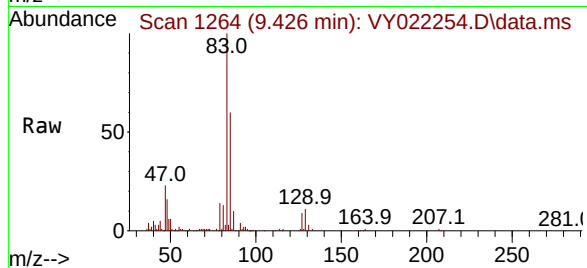
VSTDIC010

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

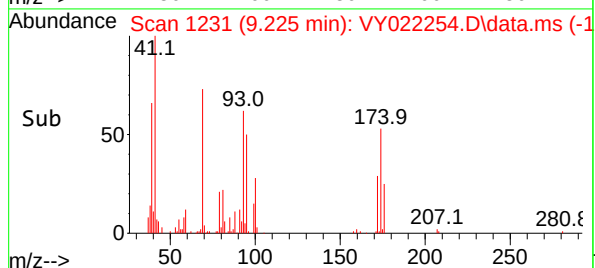
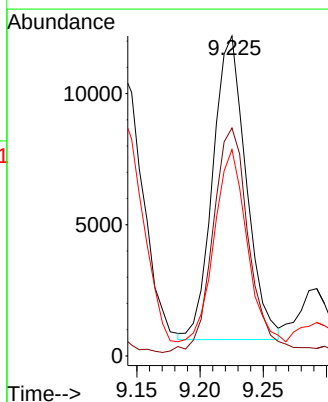
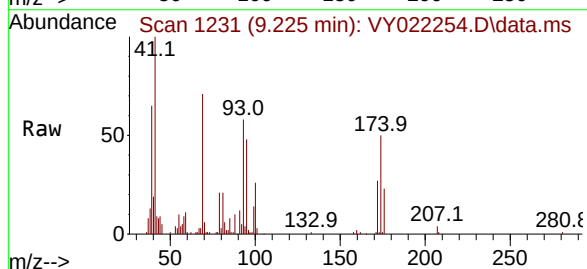
RT: 9.225 min Scan# 1231

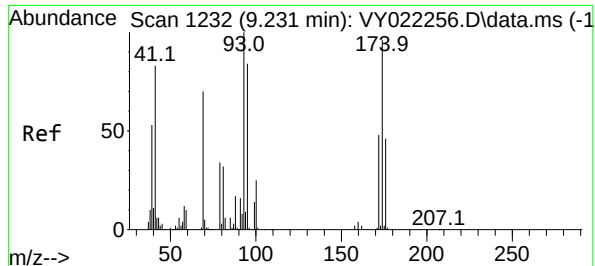
Delta R.T. 0.006 min

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

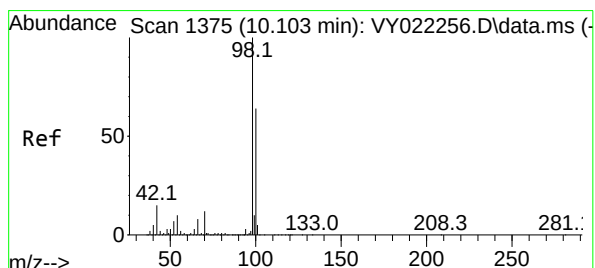
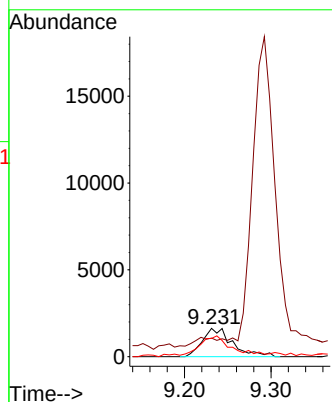
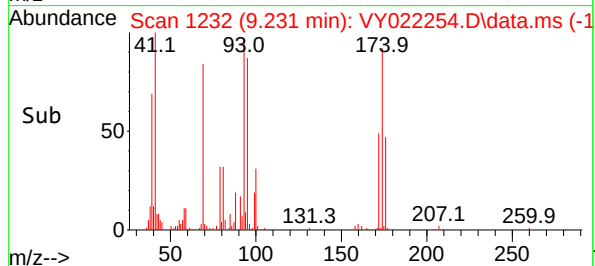
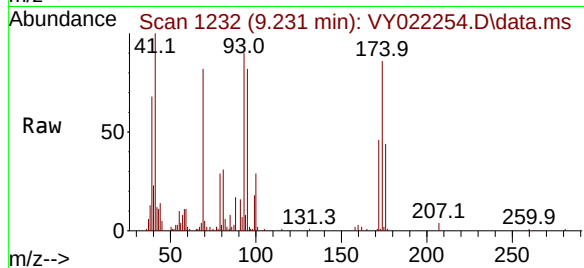
58 84.5 61.4 92.2

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

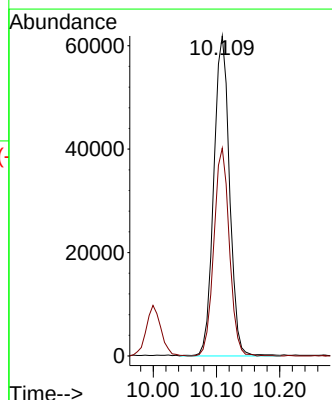
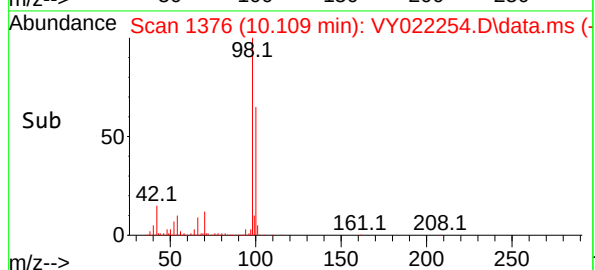
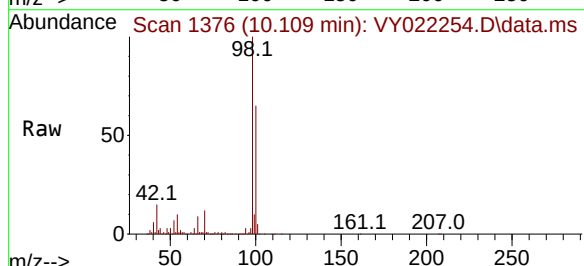
Acq: 15 May 2025 10:16

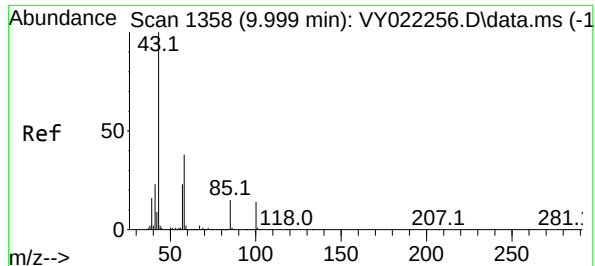
Tgt Ion: 98 Resp: 107048

Ion Ratio Lower Upper

98 100

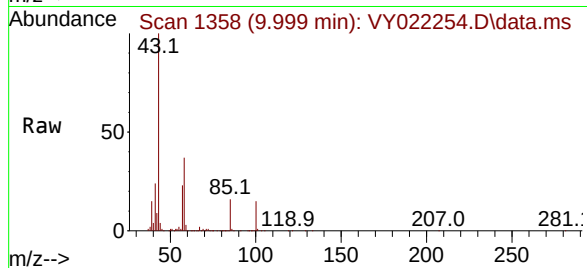
100 63.7 51.8 77.8





#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

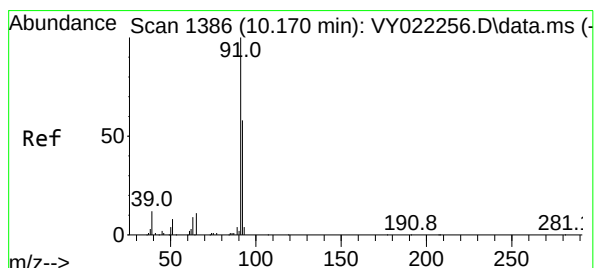
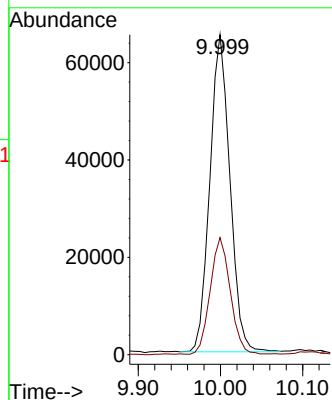
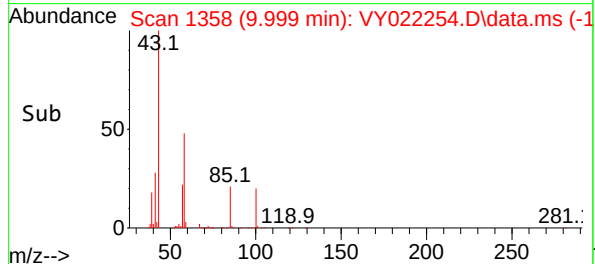
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

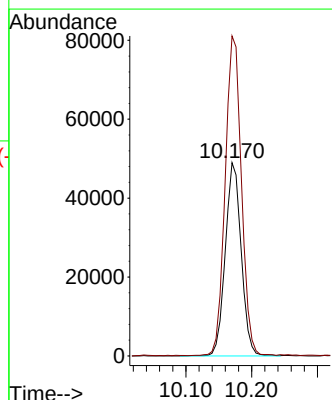
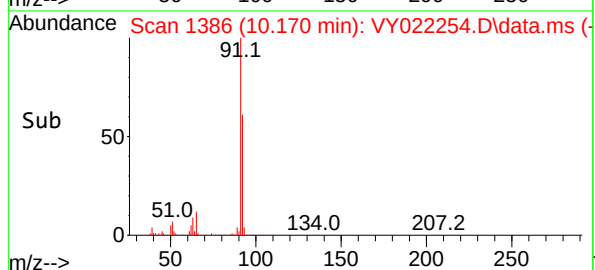
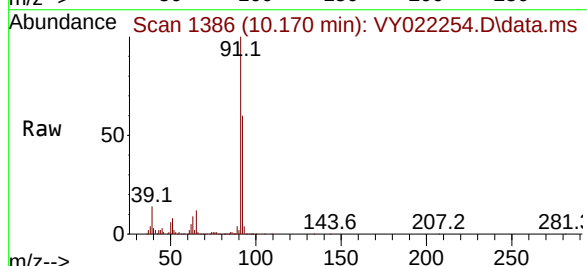
Manual Integrations
APPROVED

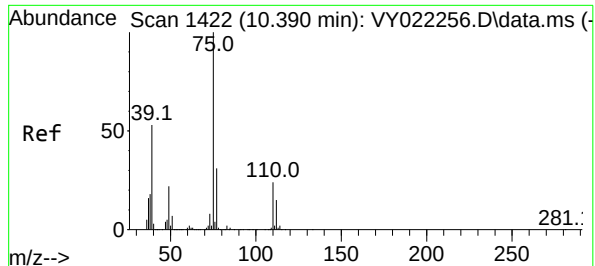
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

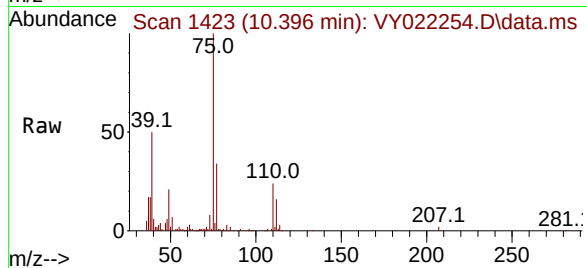
Tgt Ion: 92 Resp: 82453
Ion Ratio Lower Upper
92 100
91 168.8 139.1 208.7





#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

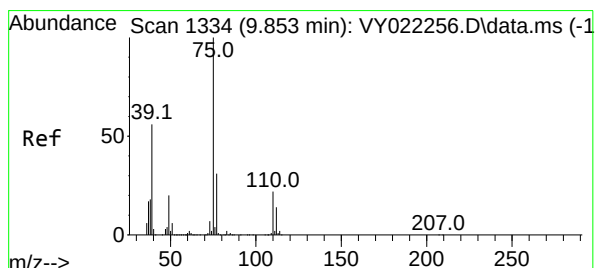
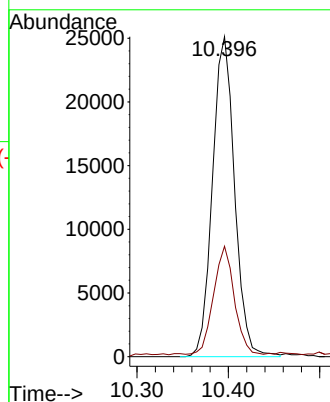
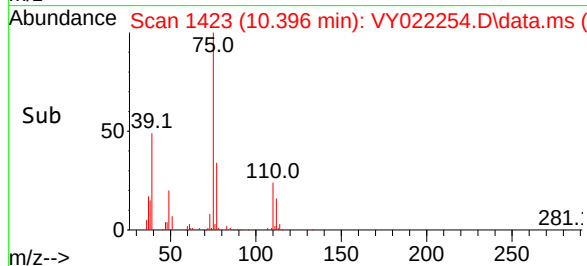
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

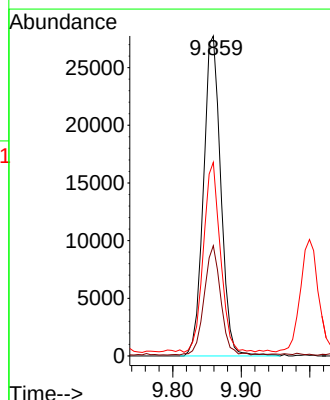
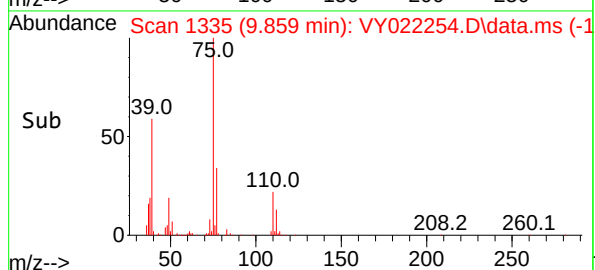
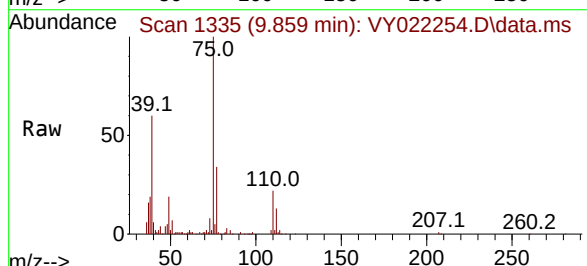
Manual Integrations
APPROVED

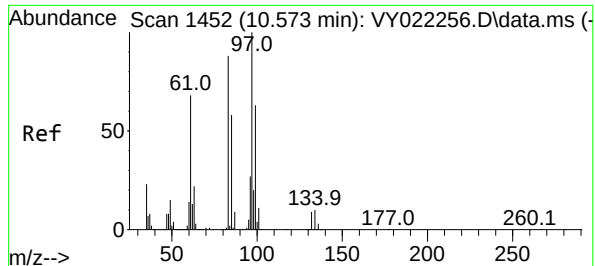
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

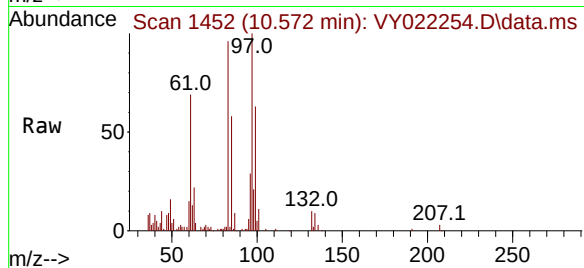
Tgt Ion: 75 Resp: 48923
Ion Ratio Lower Upper
75 100
77 34.1 25.1 37.7
39 58.7 44.5 66.7





#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

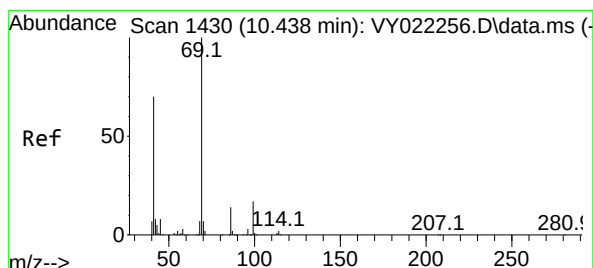
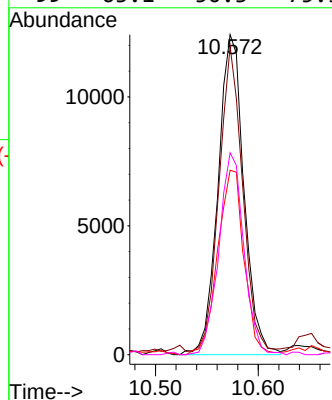
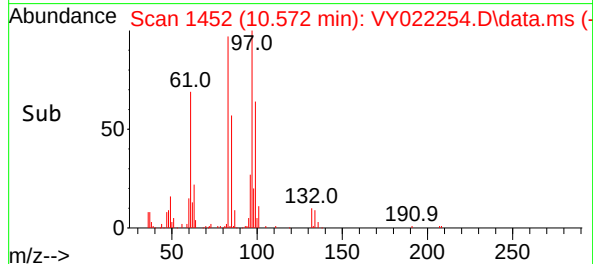
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

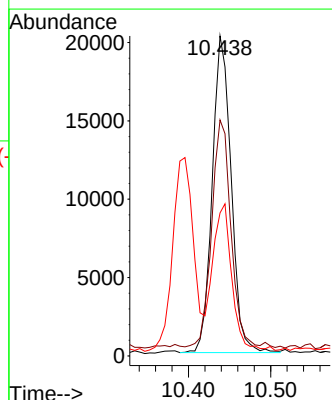
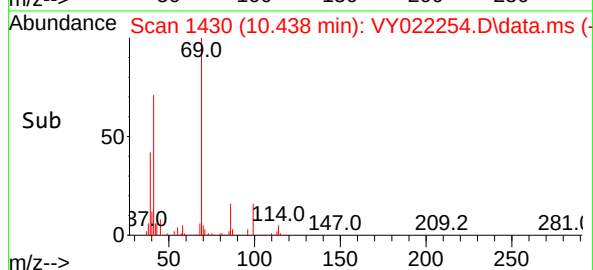
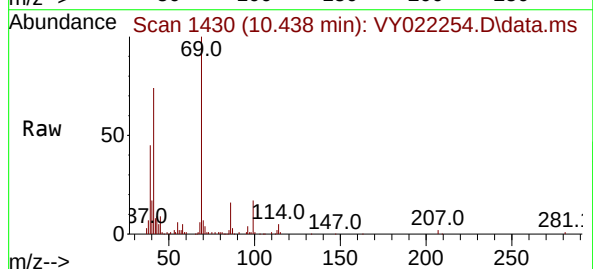
Manual Integrations
APPROVED

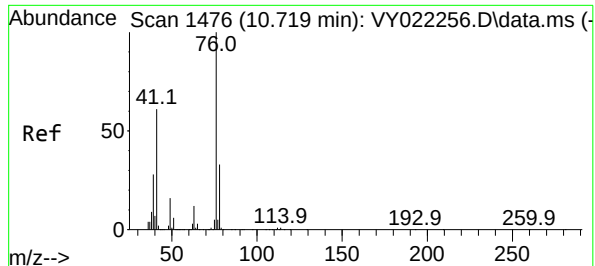
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





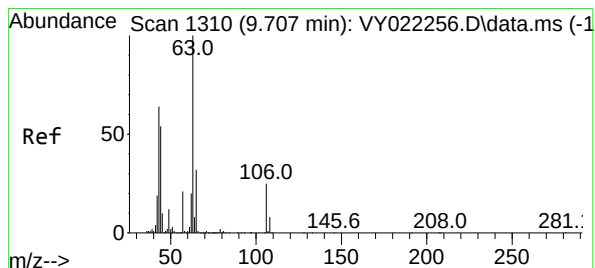
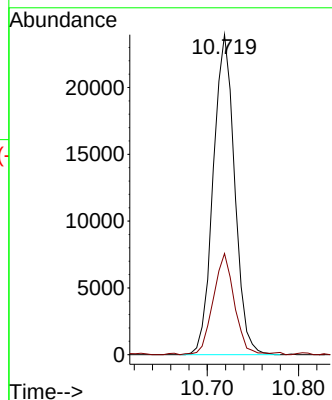
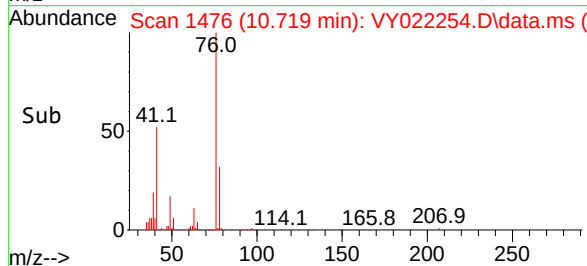
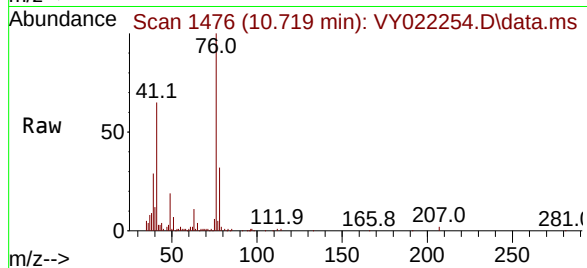
#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

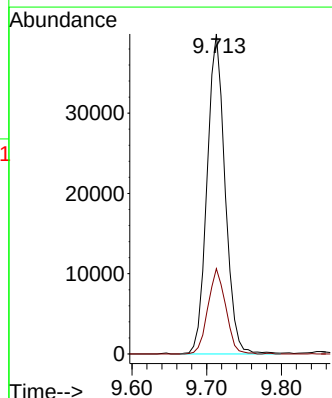
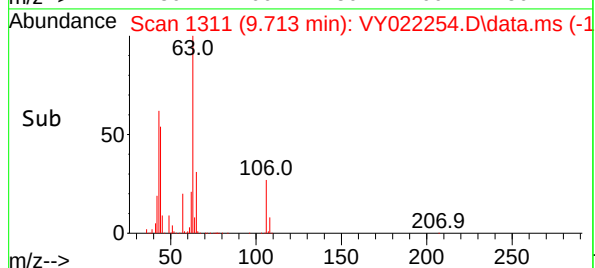
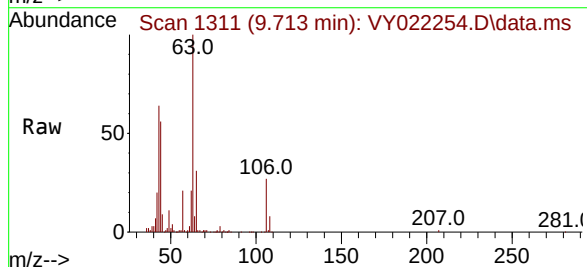
Manual Integrations
APPROVED

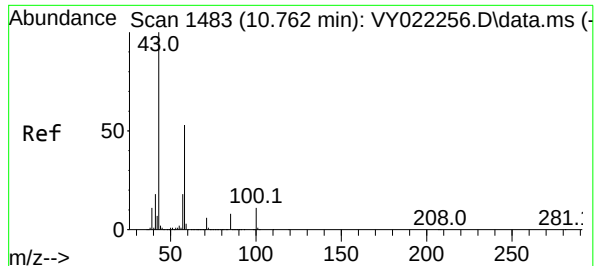
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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: 7443

Ion Ratio Lower Upper

43 100

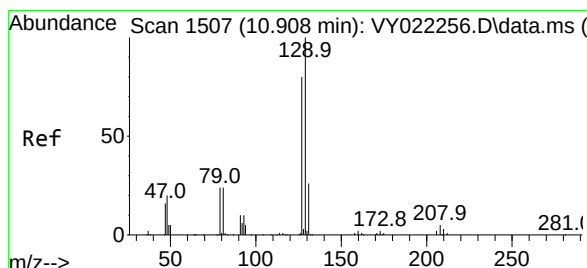
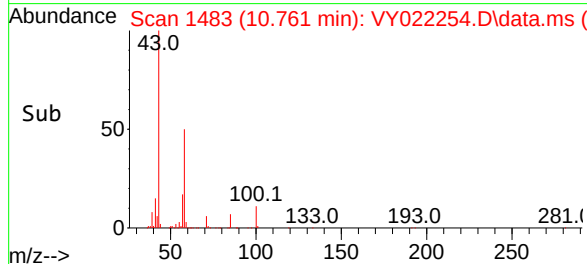
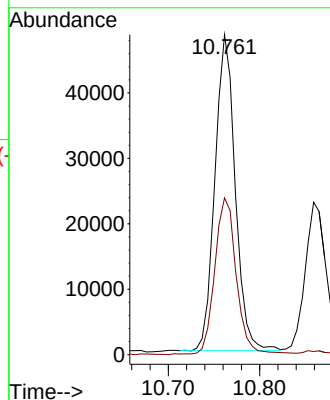
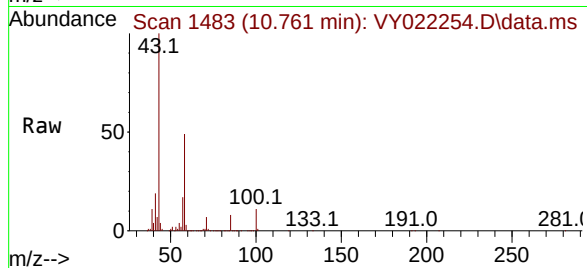
58 53.2 26.1 78.3

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

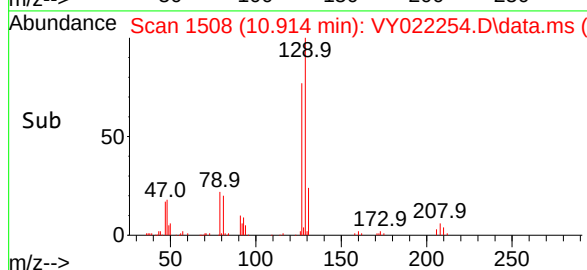
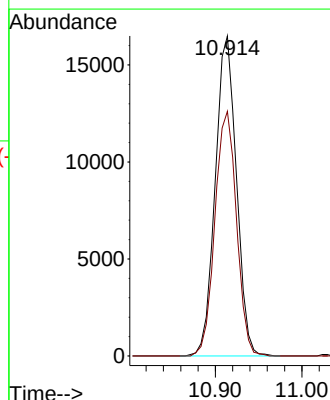
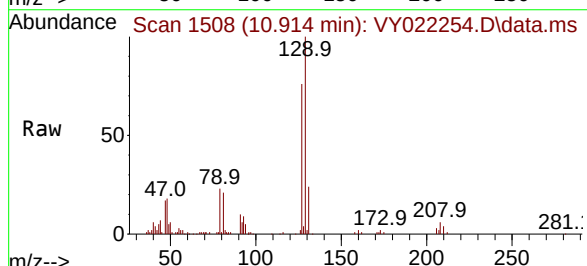
Acq: 15 May 2025 10:16

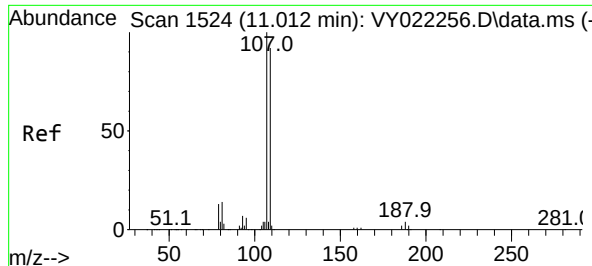
Tgt Ion:129 Resp: 28002

Ion Ratio Lower Upper

129 100

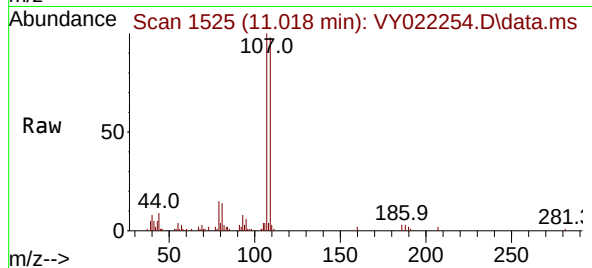
127 77.8 38.6 115.7





#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

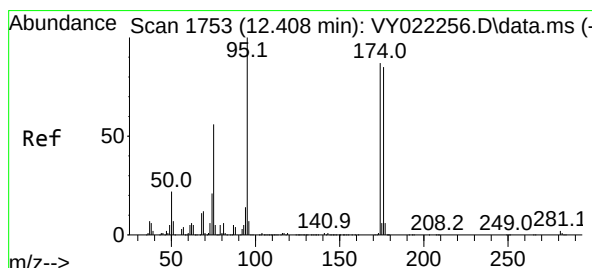
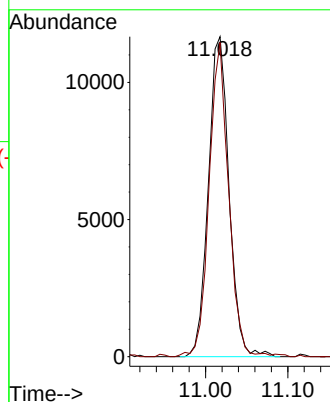
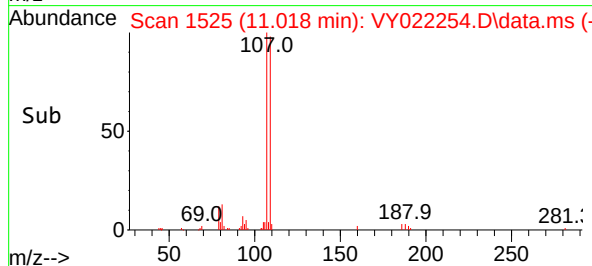
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

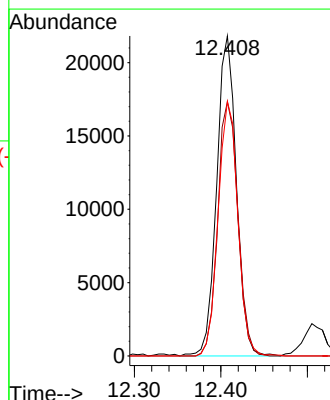
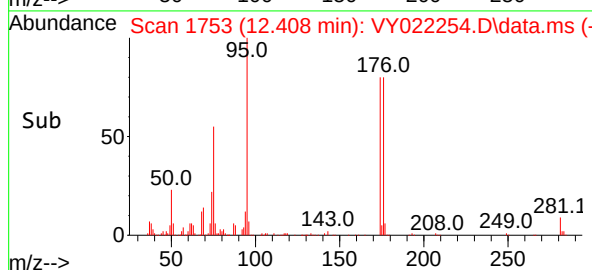
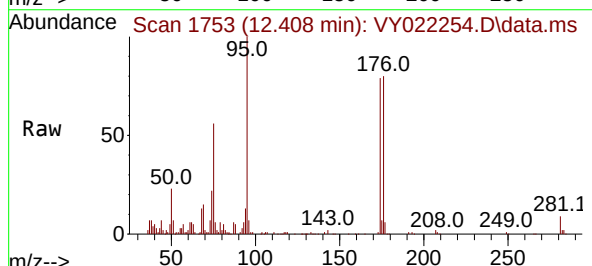
Manual Integrations
APPROVED

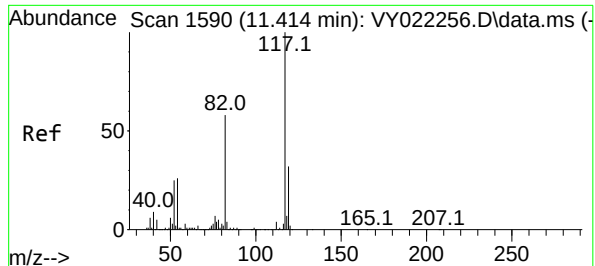
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

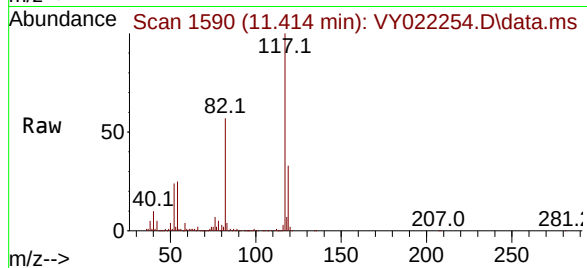
Tgt Ion: 95 Resp: 34423
Ion Ratio Lower Upper
95 100
174 81.3 0.0 166.8
176 79.7 0.0 160.8





#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

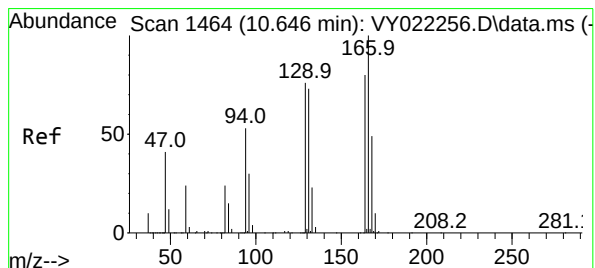
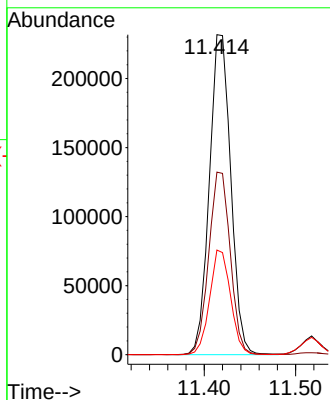
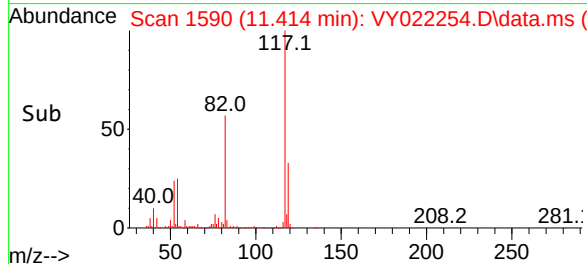
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

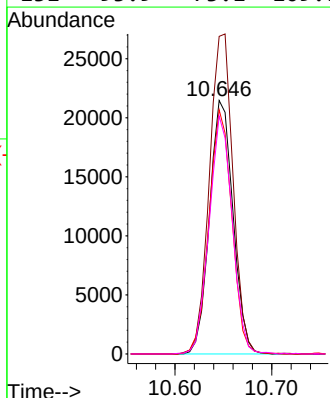
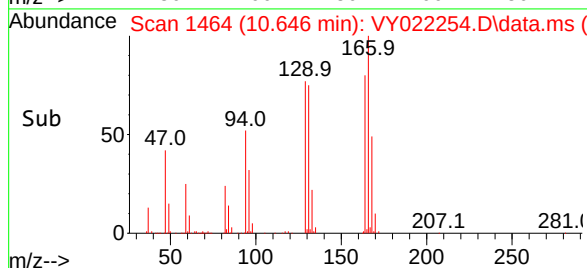
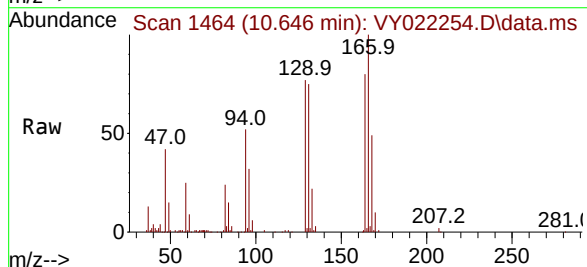
Manual Integrations
APPROVED

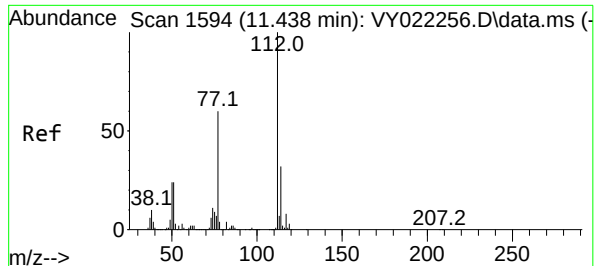
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

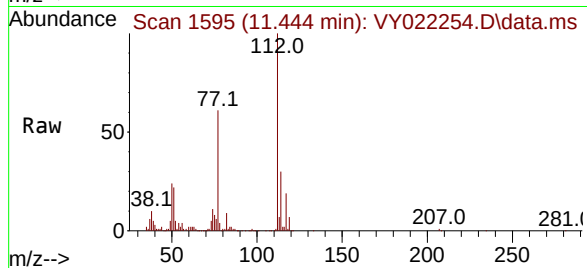
Tgt Ion:164 Resp: 36274
Ion Ratio Lower Upper
164 100
166 125.3 100.4 150.6
129 96.3 76.4 114.6
131 93.9 73.1 109.7





#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

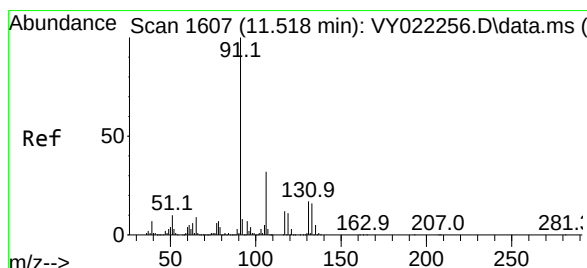
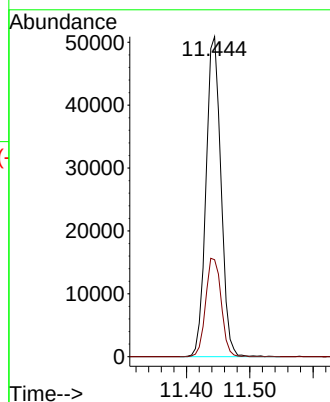
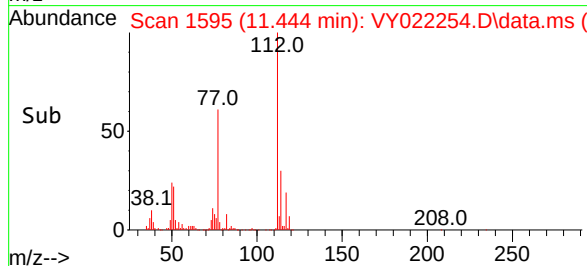
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:112 Resp: 83730
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.6

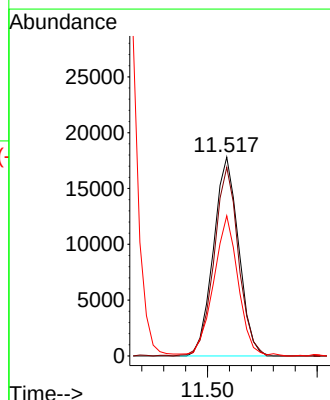
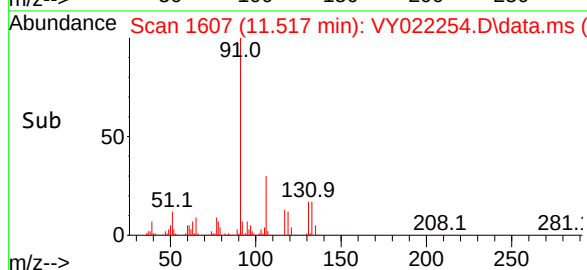
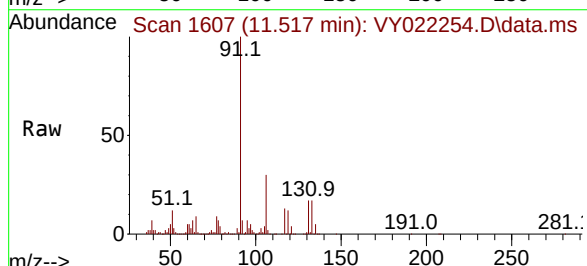
Manual Integrations
APPROVED

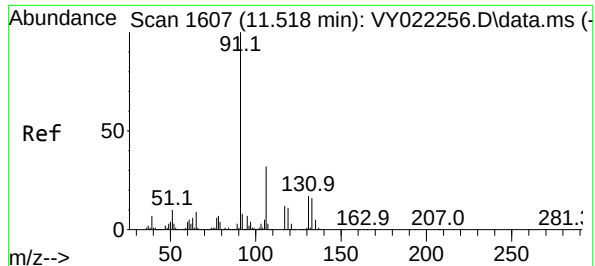
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





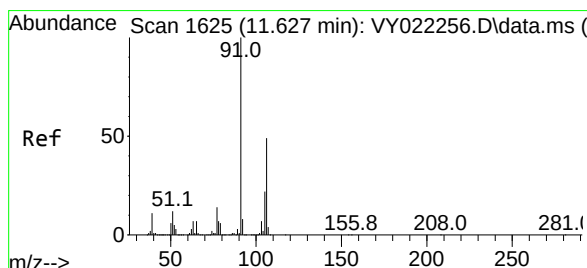
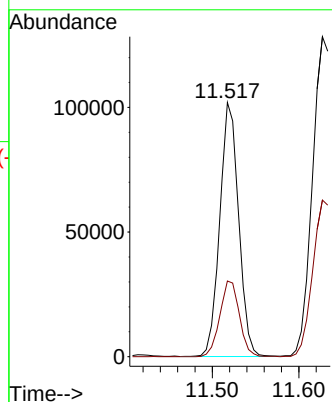
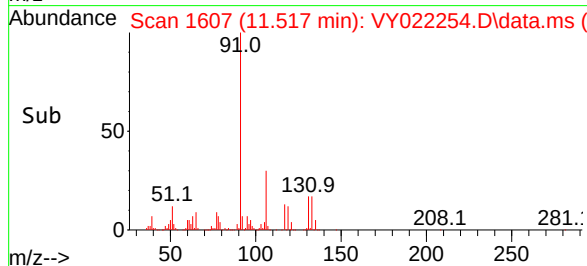
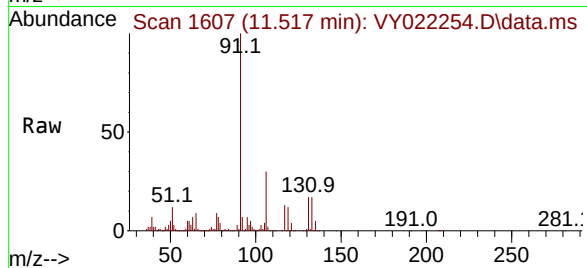
#67
Ethyl Benzene
Concen: 9.672 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

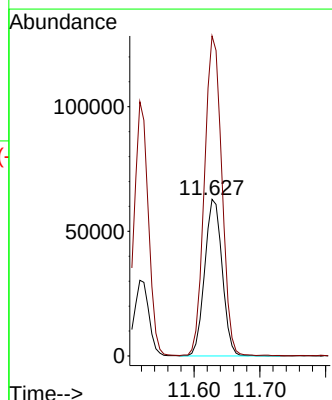
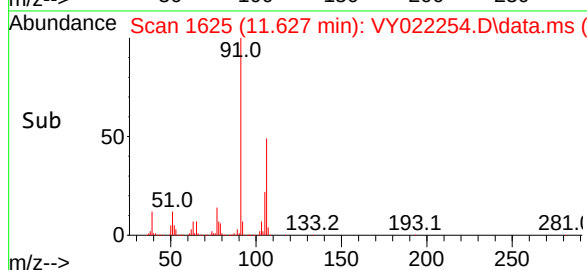
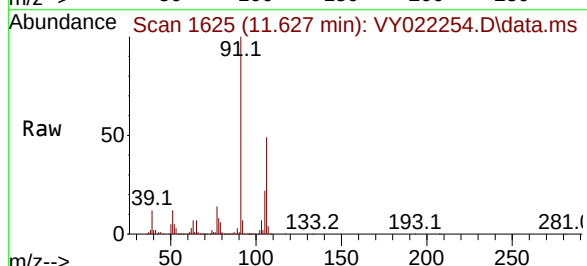
Manual Integrations
APPROVED

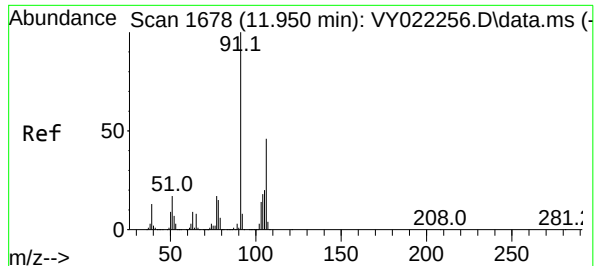
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





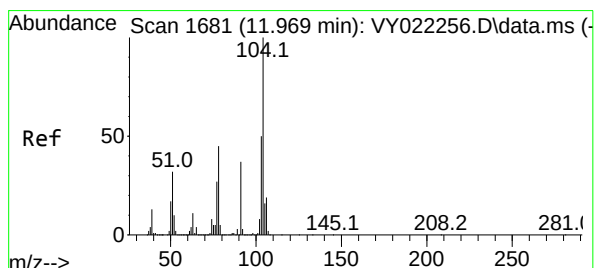
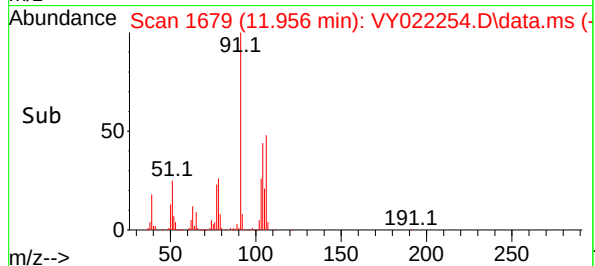
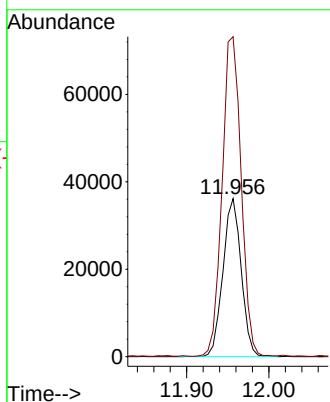
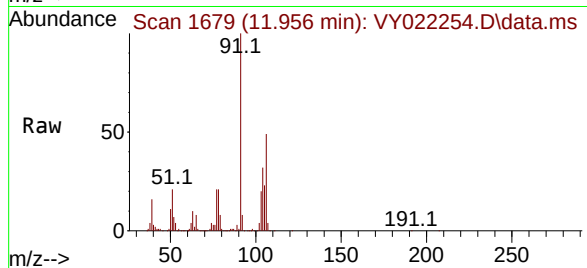
#69
o-Xylene
Concen: 9.837 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

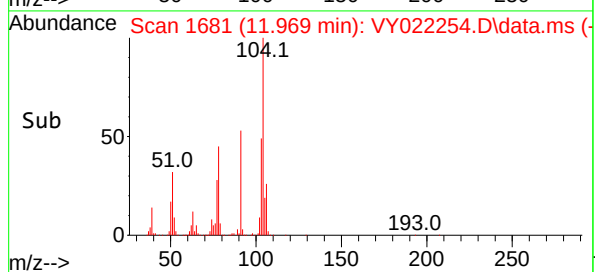
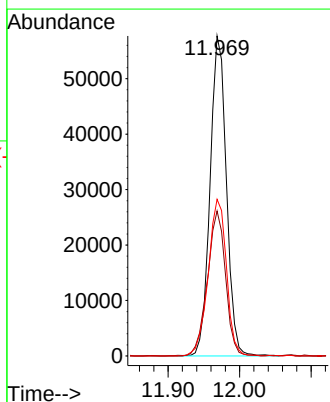
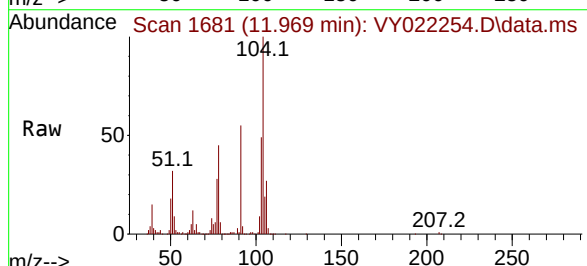
Manual Integrations
APPROVED

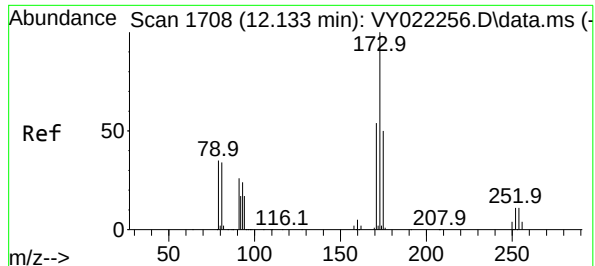
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

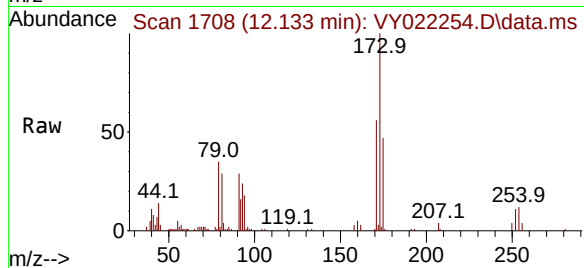
Tgt Ion:104 Resp: 91569
Ion Ratio Lower Upper
104 100
78 50.4 40.9 61.3
103 54.7 43.7 65.5





#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

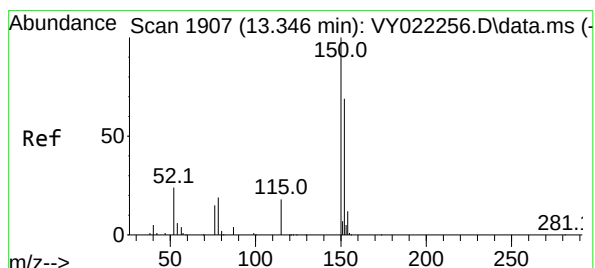
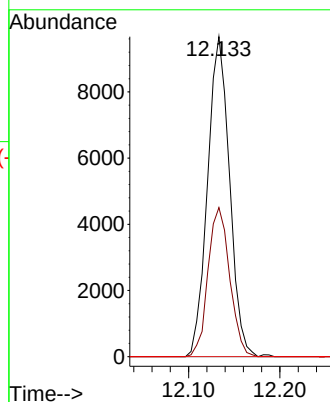
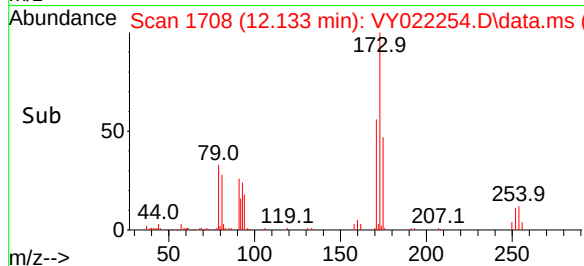
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



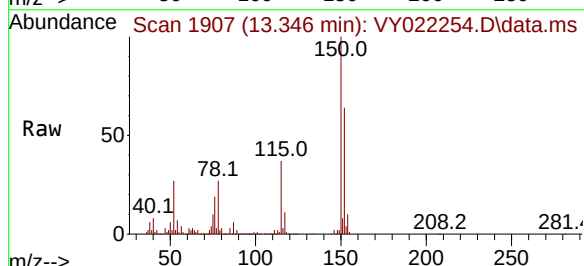
Tgt Ion:173 Resp: 1615
Ion Ratio Lower Upper
173 100
175 45.9 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

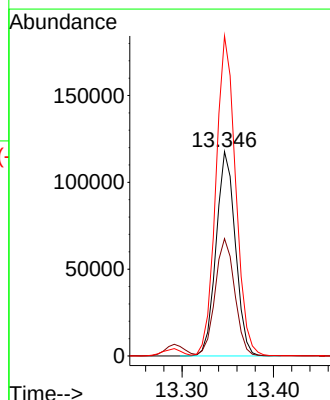
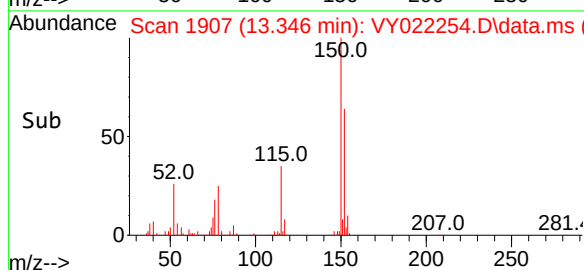
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

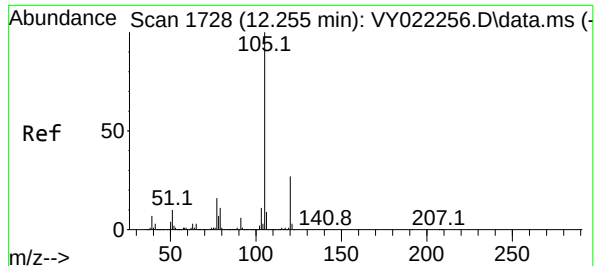


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



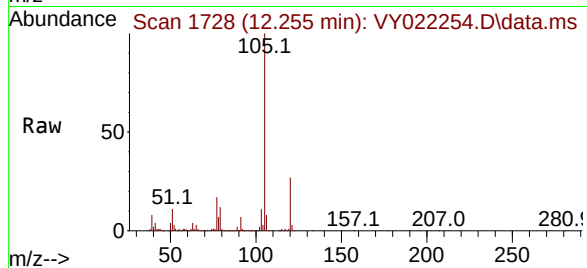
Tgt Ion:152 Resp: 171972
Ion Ratio Lower Upper
152 100
115 58.4 29.4 88.2
150 161.2 0.0 353.8





#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

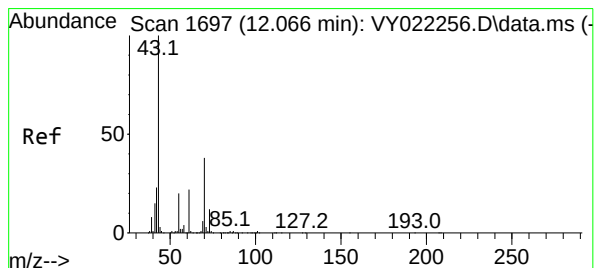
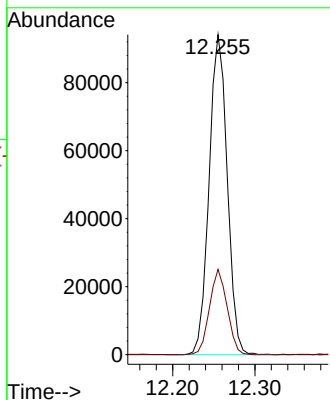
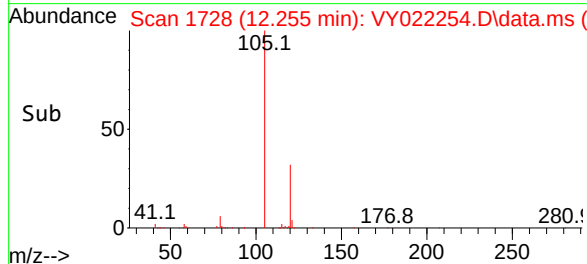
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

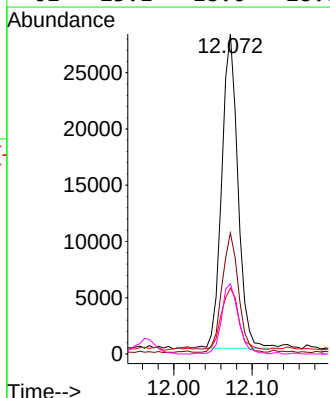
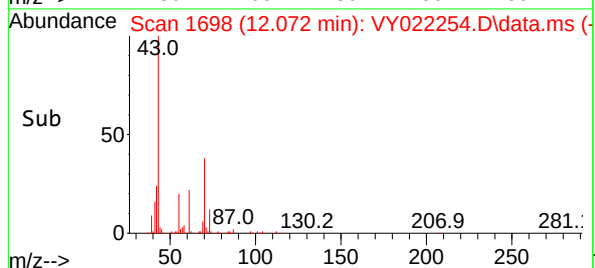
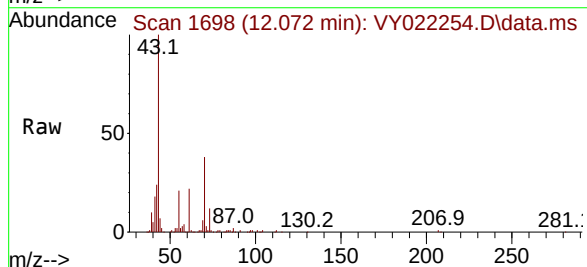
Manual Integrations
APPROVED

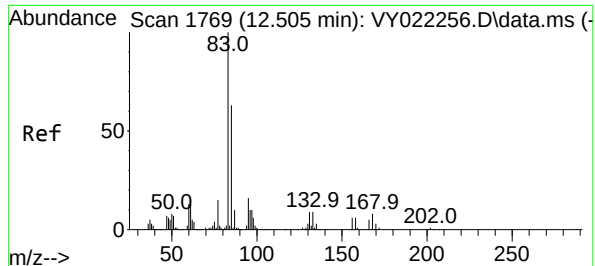
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

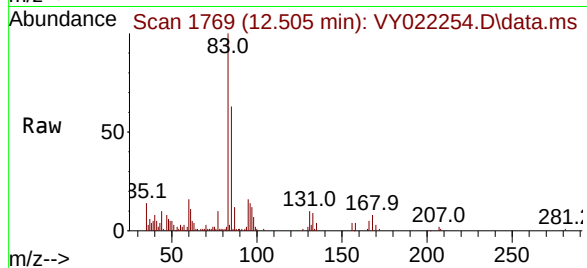
Tgt Ion: 43 Resp: 40345
Ion Ratio Lower Upper
43 100
70 38.2 31.4 47.0
55 20.5 17.0 25.6
61 23.1 18.6 28.0





#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

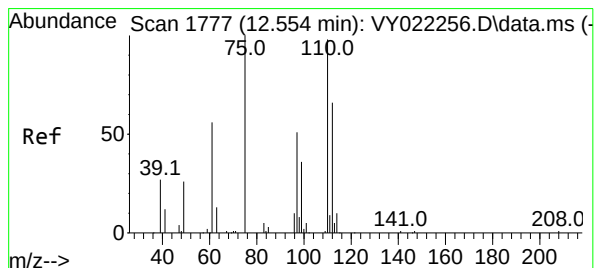
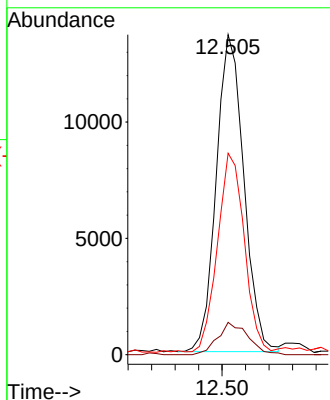
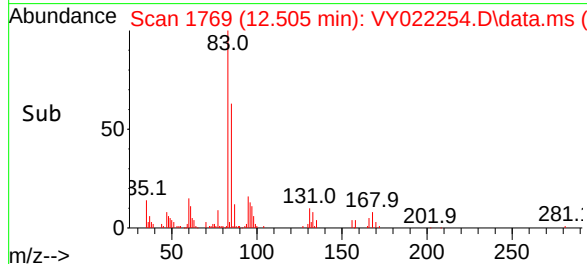
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

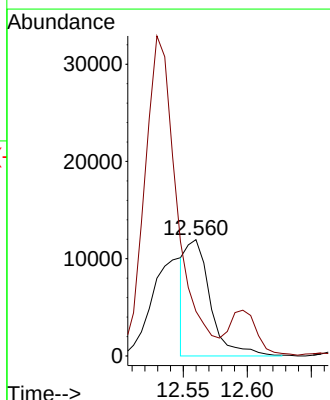
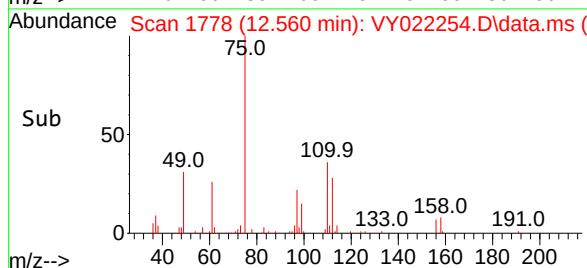
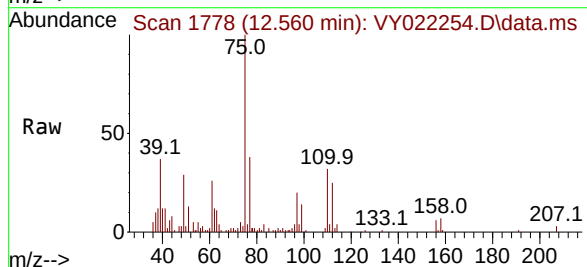
Manual Integrations
APPROVED

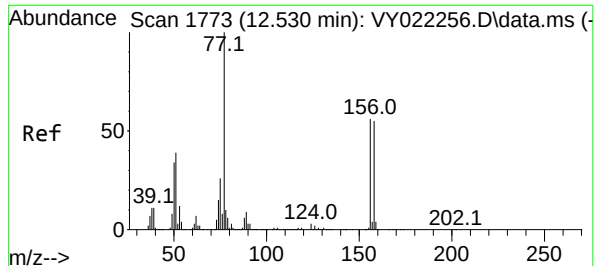
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

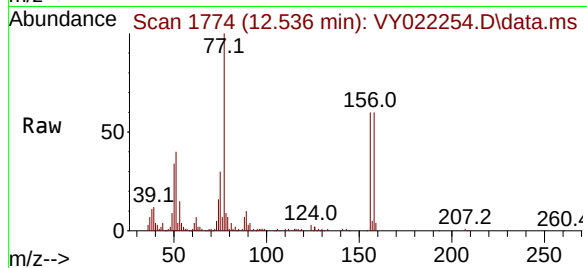
Tgt Ion: 75 Resp: 16056
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 10.005 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

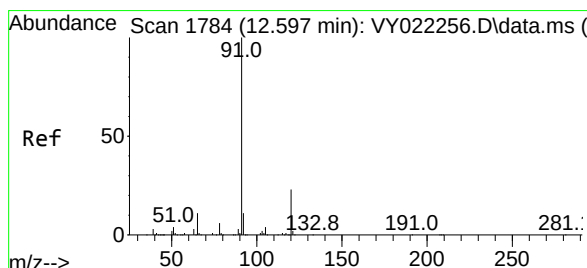
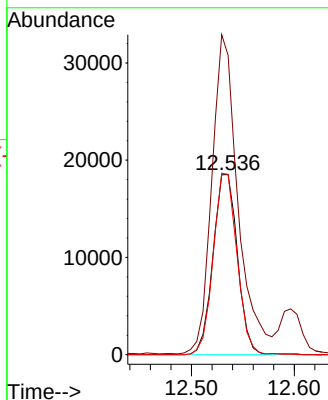
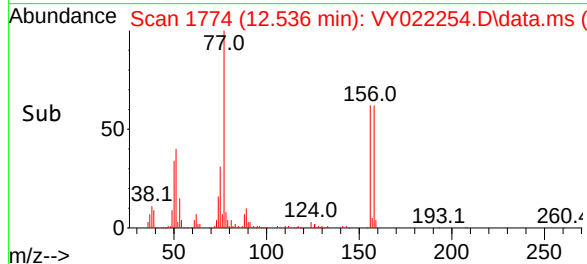
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

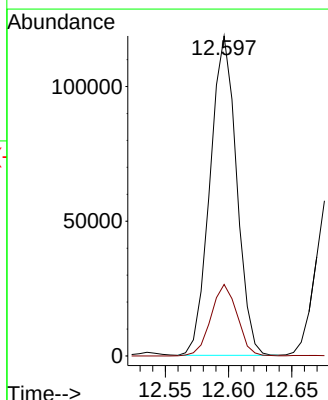
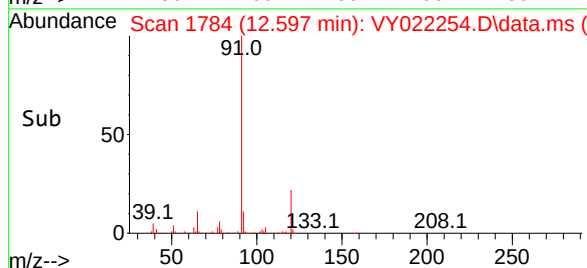
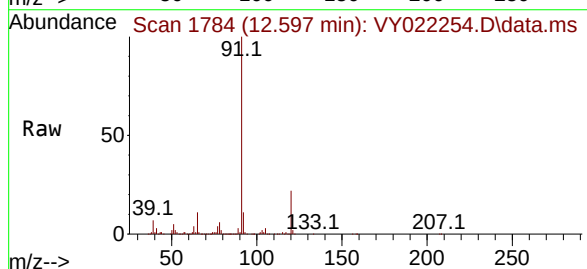
Manual Integrations
APPROVED

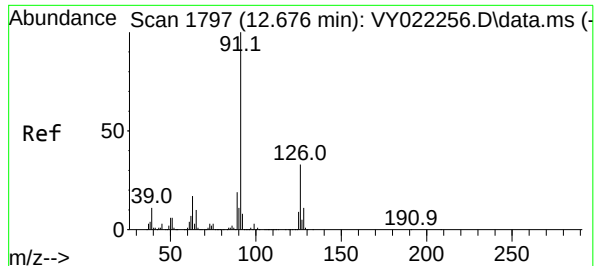
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

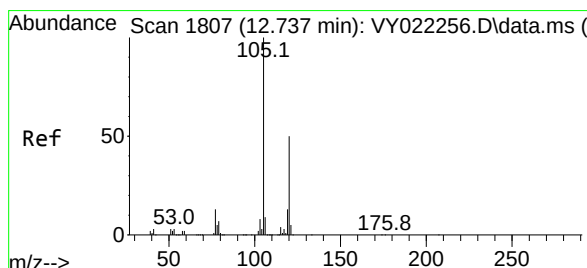
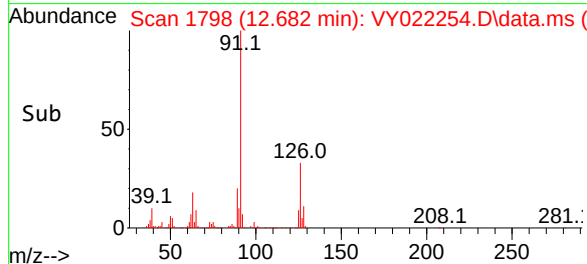
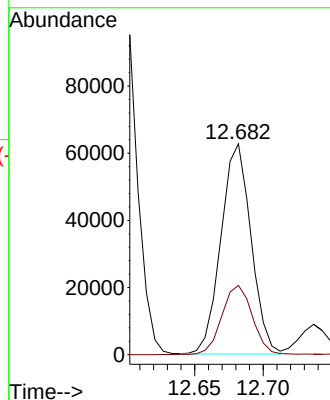
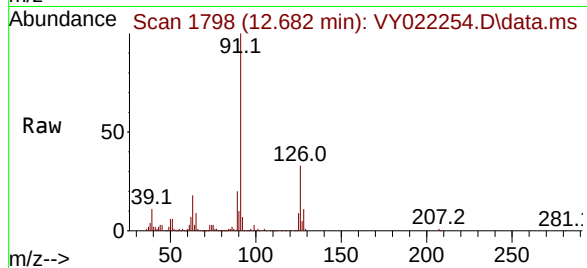
Ion Ratio Lower Upper

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

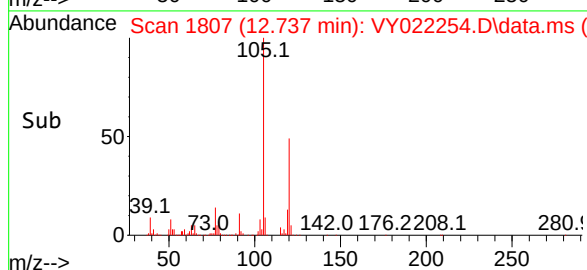
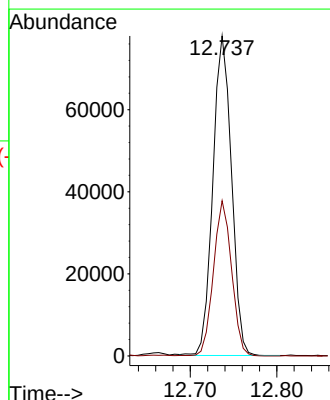
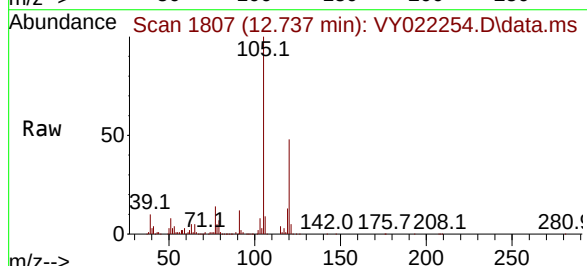
Acq: 15 May 2025 10:16

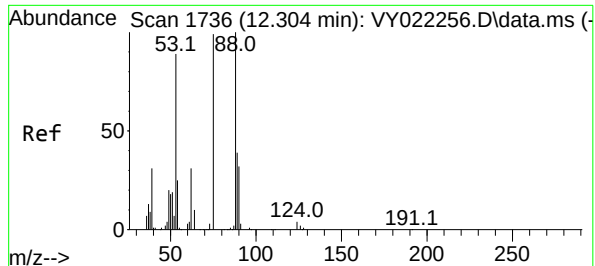
Tgt Ion:105 Resp: 116461

Ion Ratio Lower Upper

105 100

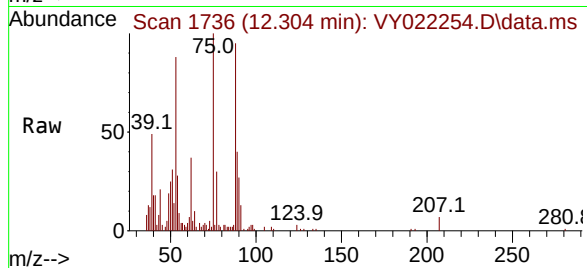
120 47.4 24.2 72.6





#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

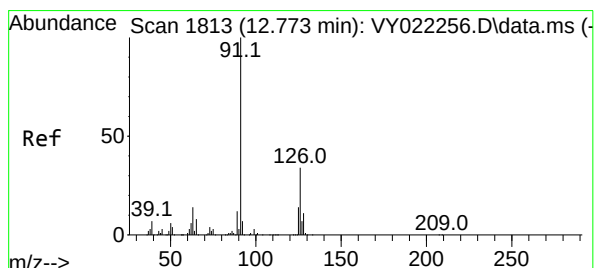
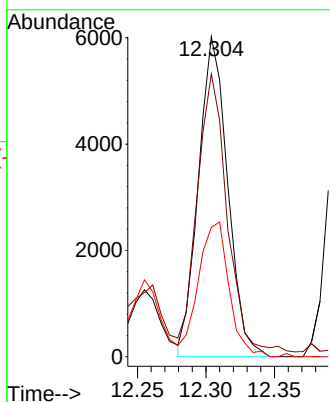
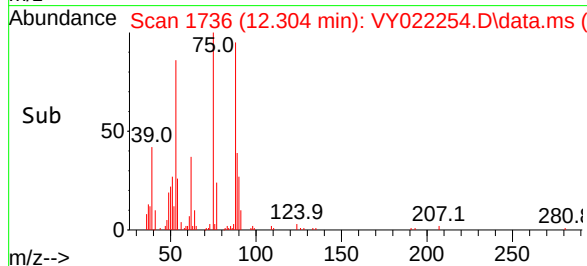
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

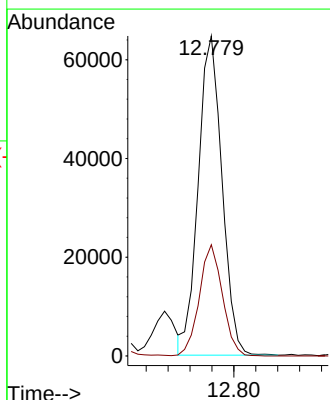
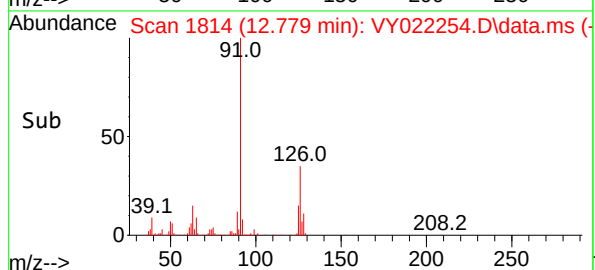
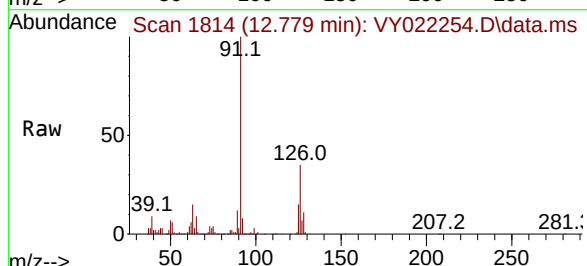
Manual Integrations
APPROVED

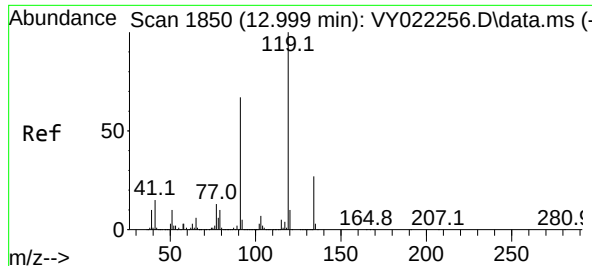
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

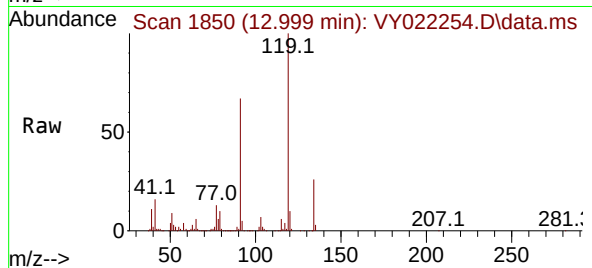
Tgt Ion: 91 Resp: 97309
Ion Ratio Lower Upper
91 100
126 33.9 16.8 50.4





#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

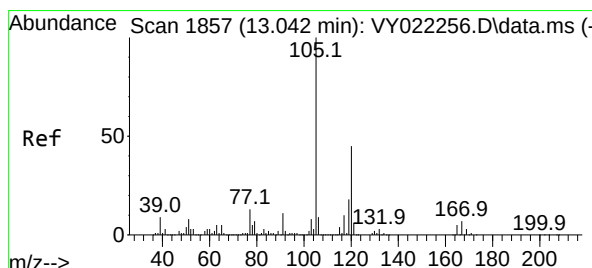
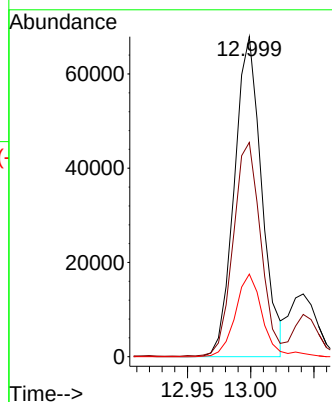
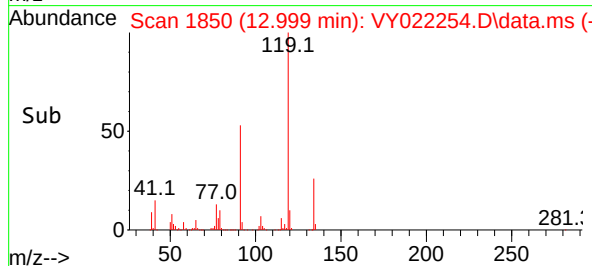
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



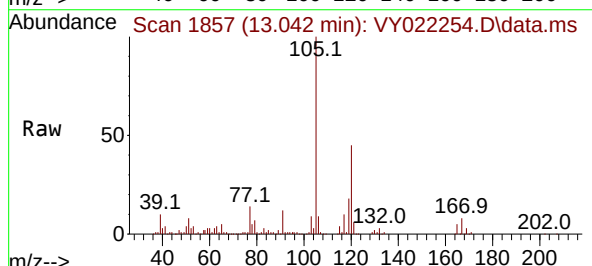
Tgt Ion:119 Resp: 102274
Ion Ratio Lower Upper
119 100
91 66.9 32.8 98.3
134 25.7 12.9 38.6

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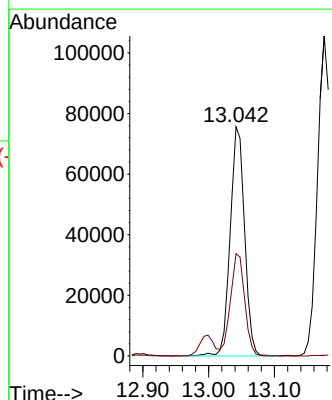
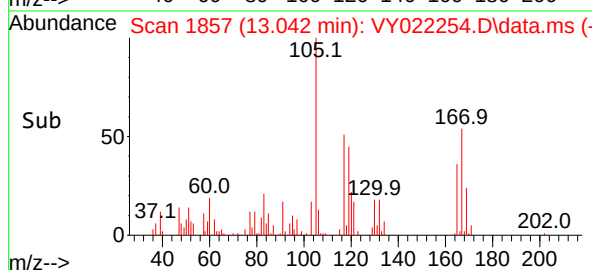
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

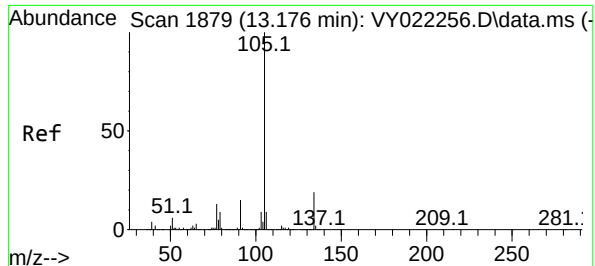


#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16



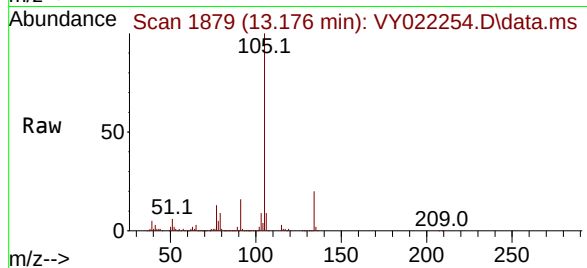
Tgt Ion:105 Resp: 115175
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9





#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

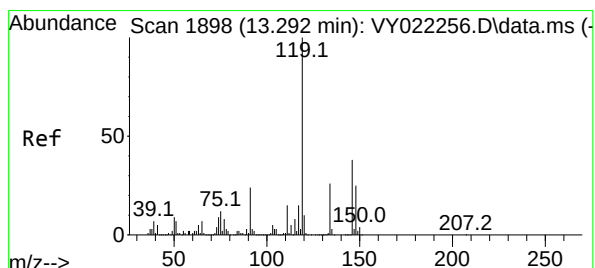
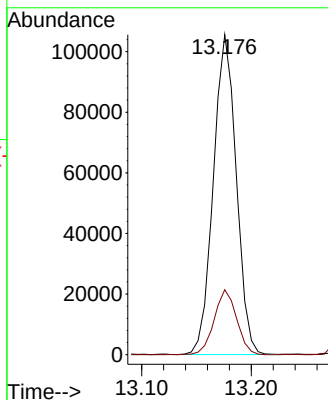
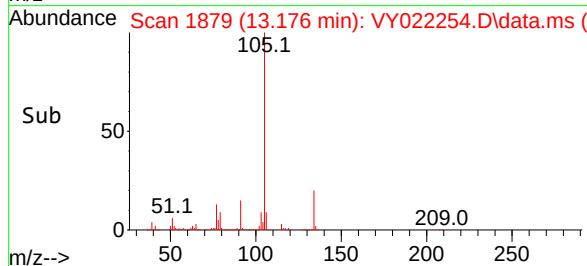
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

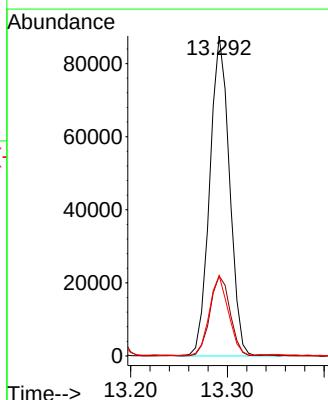
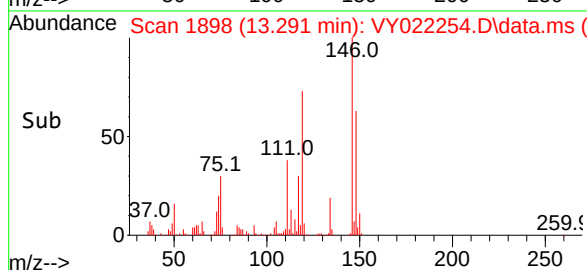
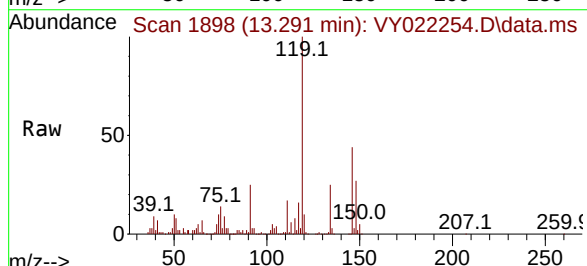
Manual Integrations
APPROVED

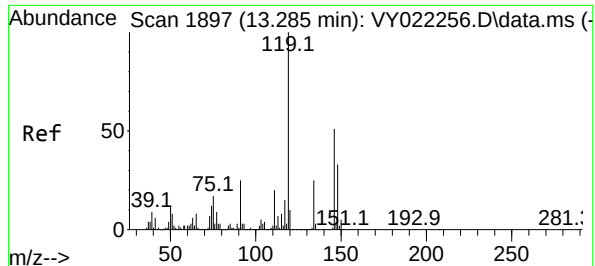
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

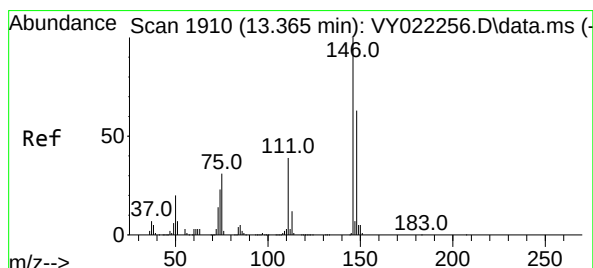
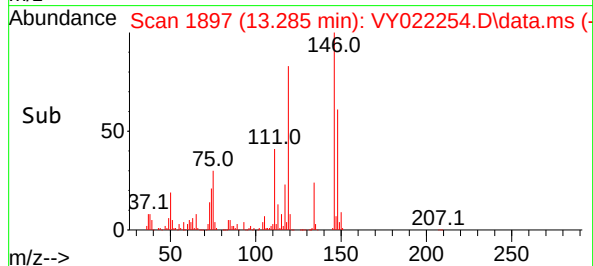
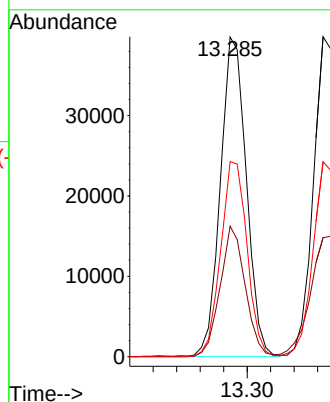
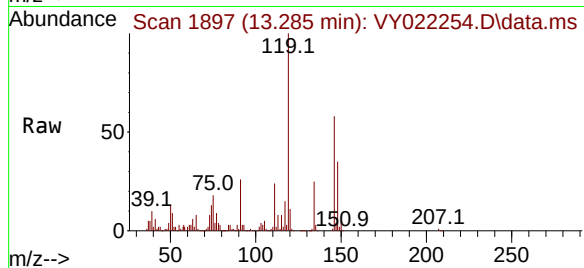
111 39.3 19.9 59.7

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

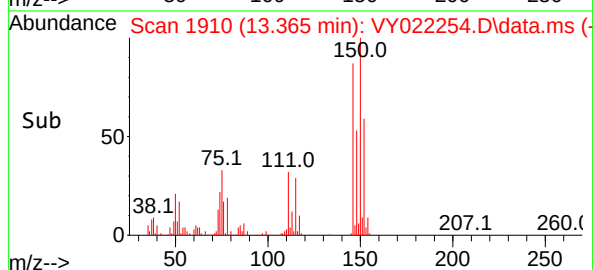
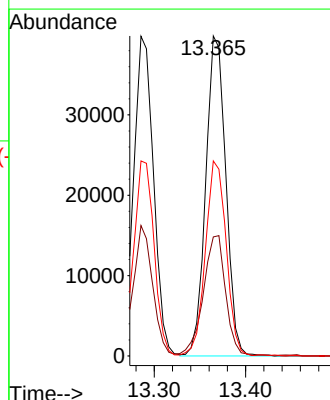
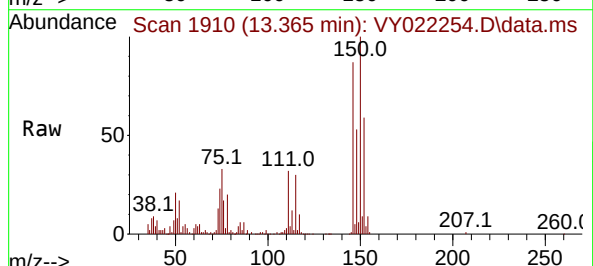
Tgt Ion:146 Resp: 60723

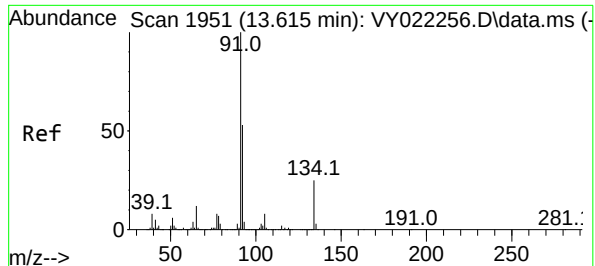
Ion Ratio Lower Upper

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

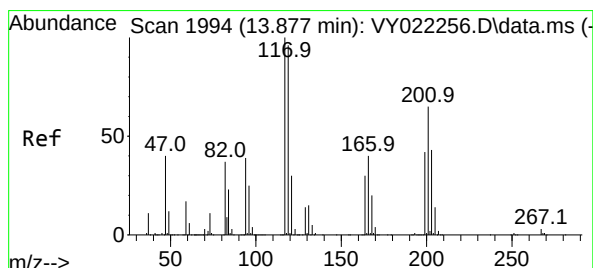
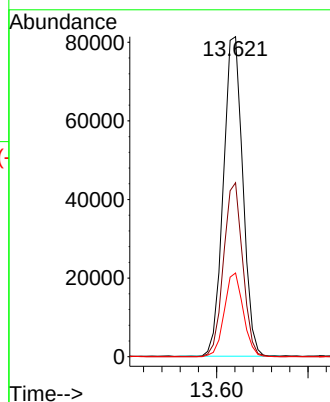
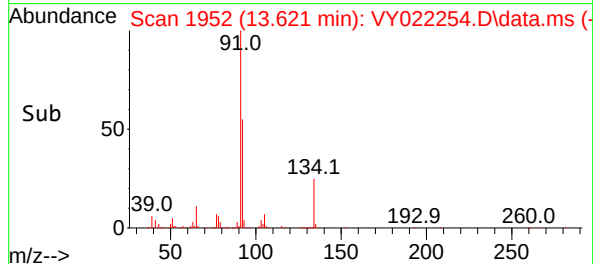
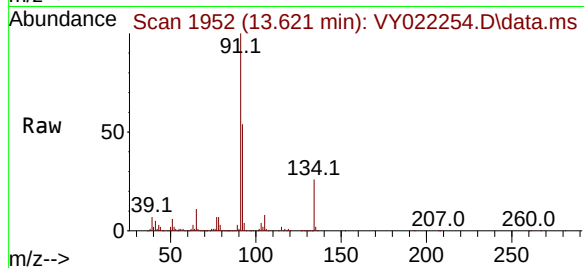
91 100

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

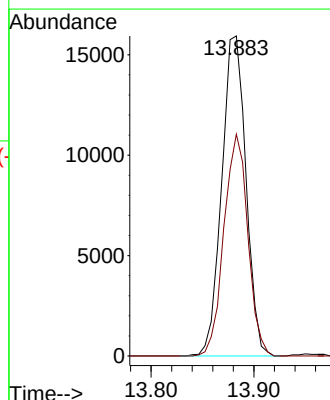
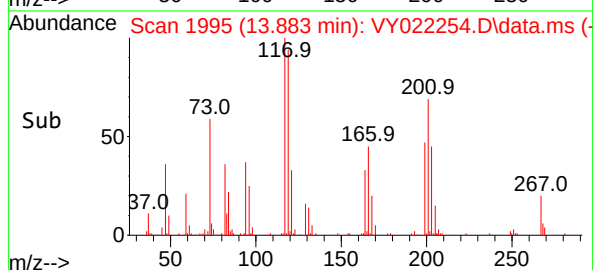
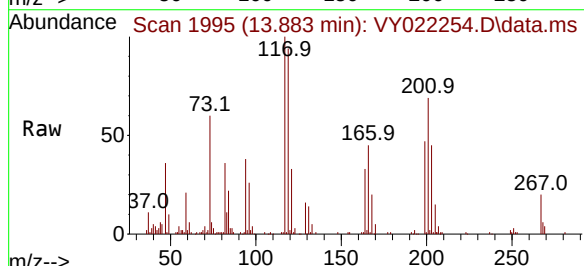
Acq: 15 May 2025 10:16

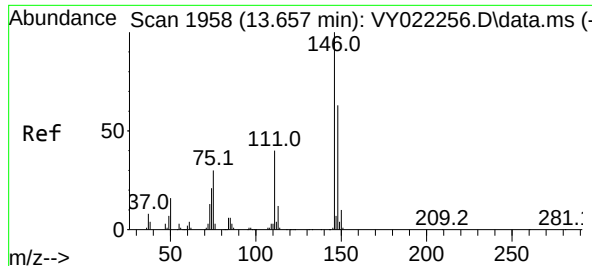
Tgt Ion:117 Resp: 26089

Ion Ratio Lower Upper

117 100

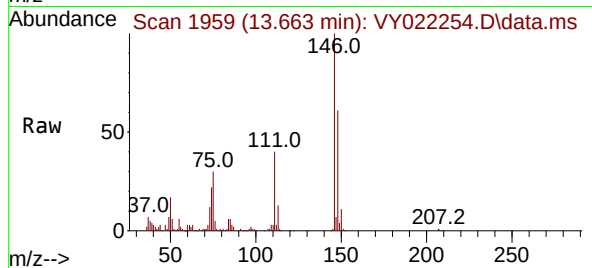
201 68.2 35.2 105.6





#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

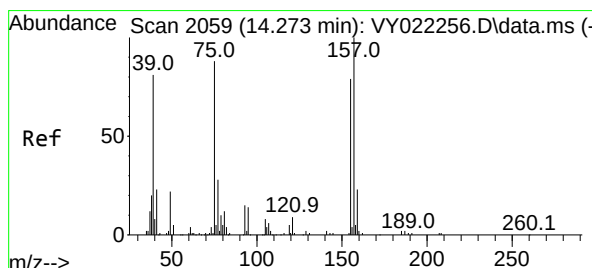
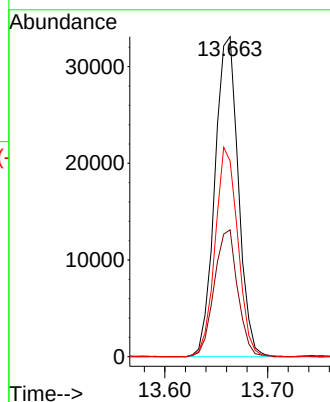
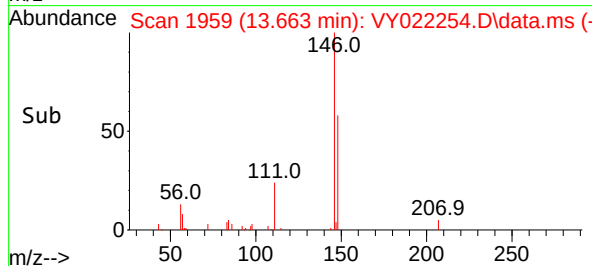
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

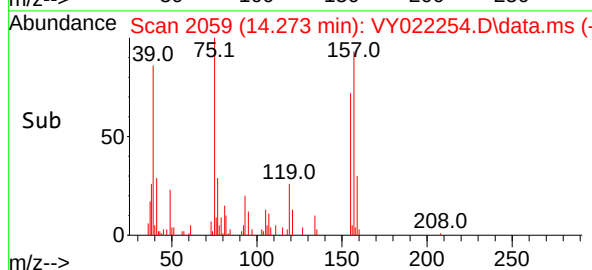
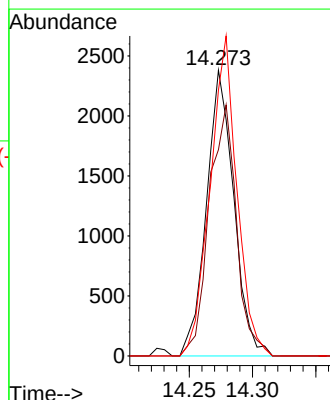
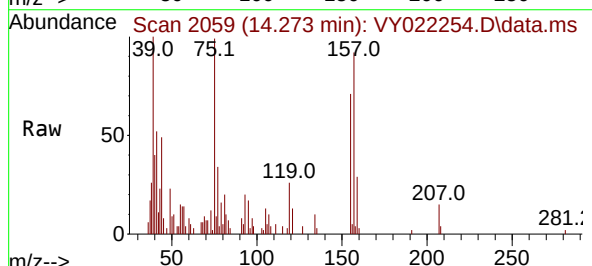
Manual Integrations
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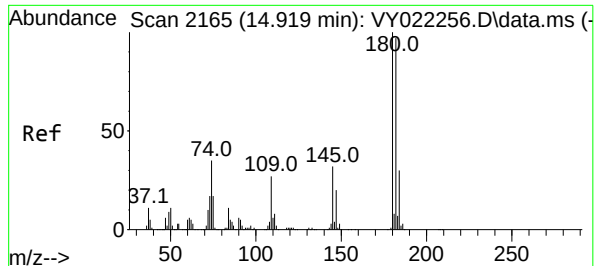
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

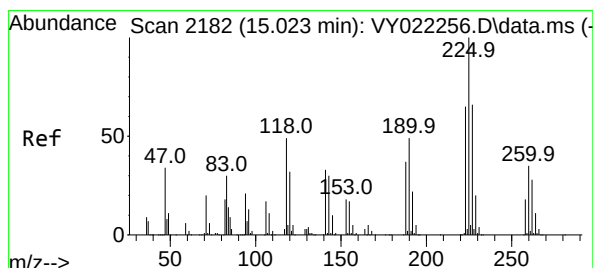
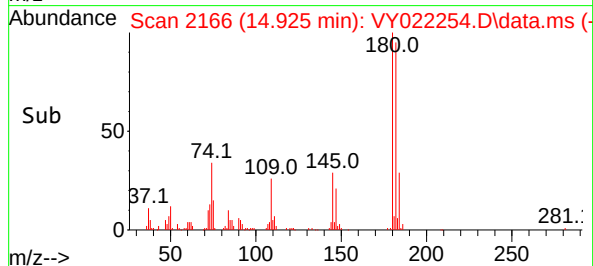
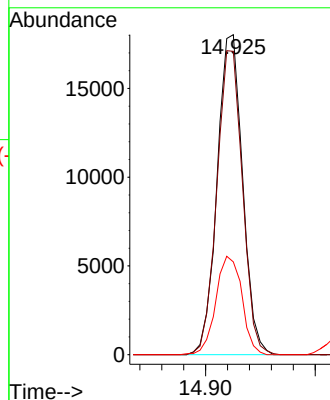
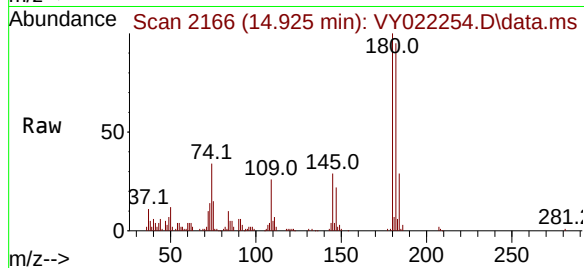
VSTDIC010

Tgt Ion:	180	Resp:	2907
Ion Ratio	Lower	Upper	
180	100		
182	95.4	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: 9.927 ug/l

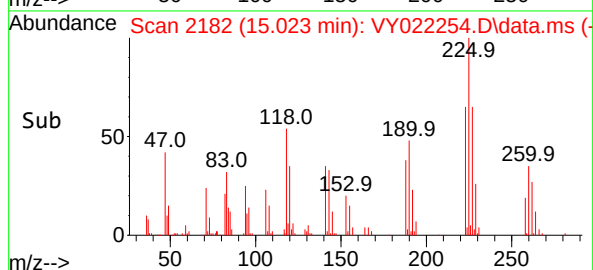
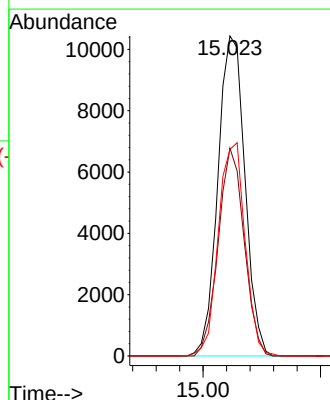
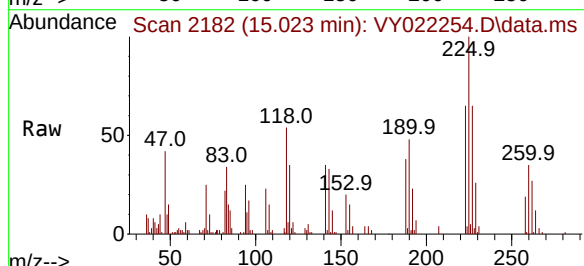
RT: 15.023 min Scan# 2182

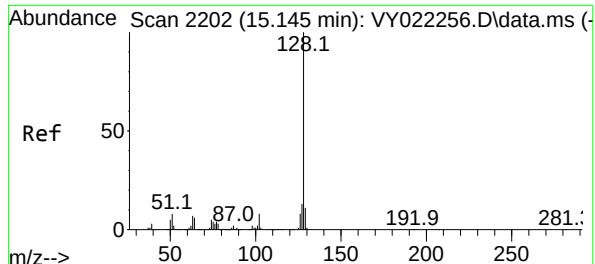
Delta R.T. -0.000 min

Lab File: VY022254.D

Acq: 15 May 2025 10:16

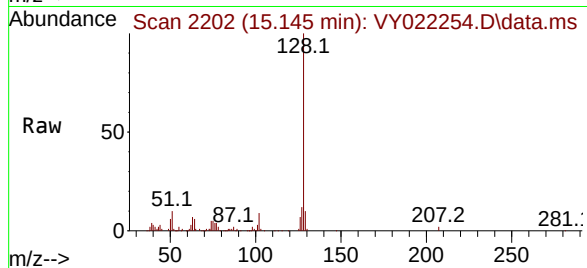
Tgt Ion:	225	Resp:	16686
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.5	94.5
227	65.8	32.1	96.3





#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

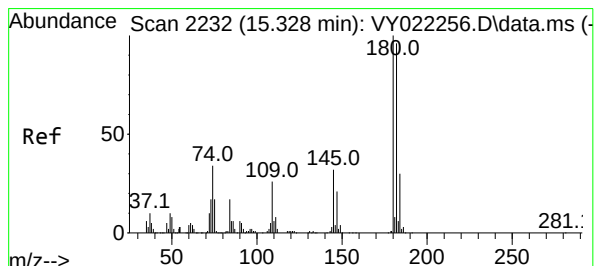
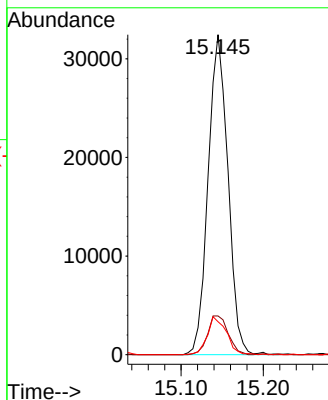
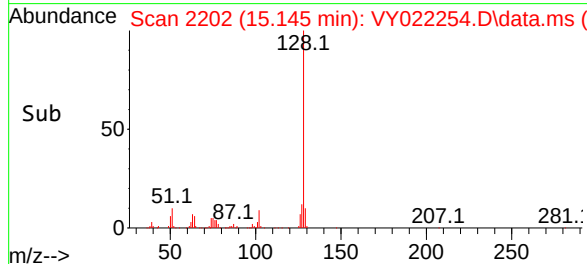
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



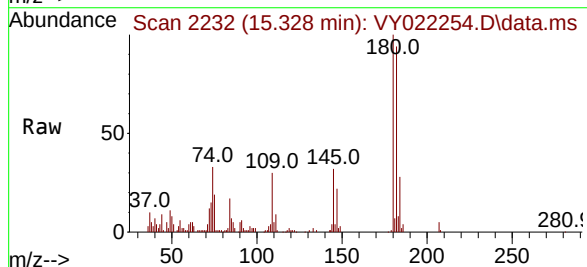
Tgt Ion:128 Resp: 5430
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.5 8.8 13.2

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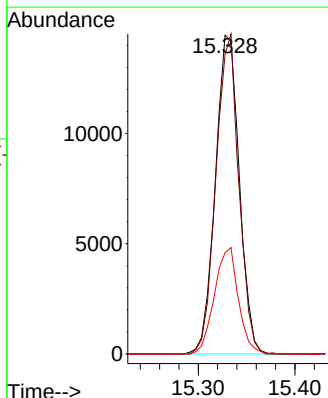
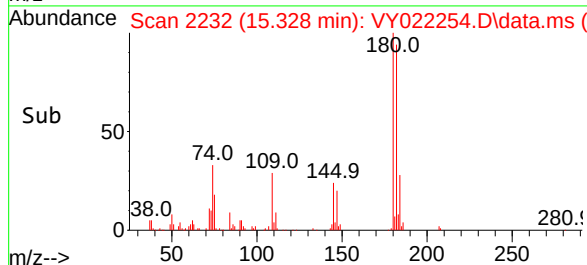
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

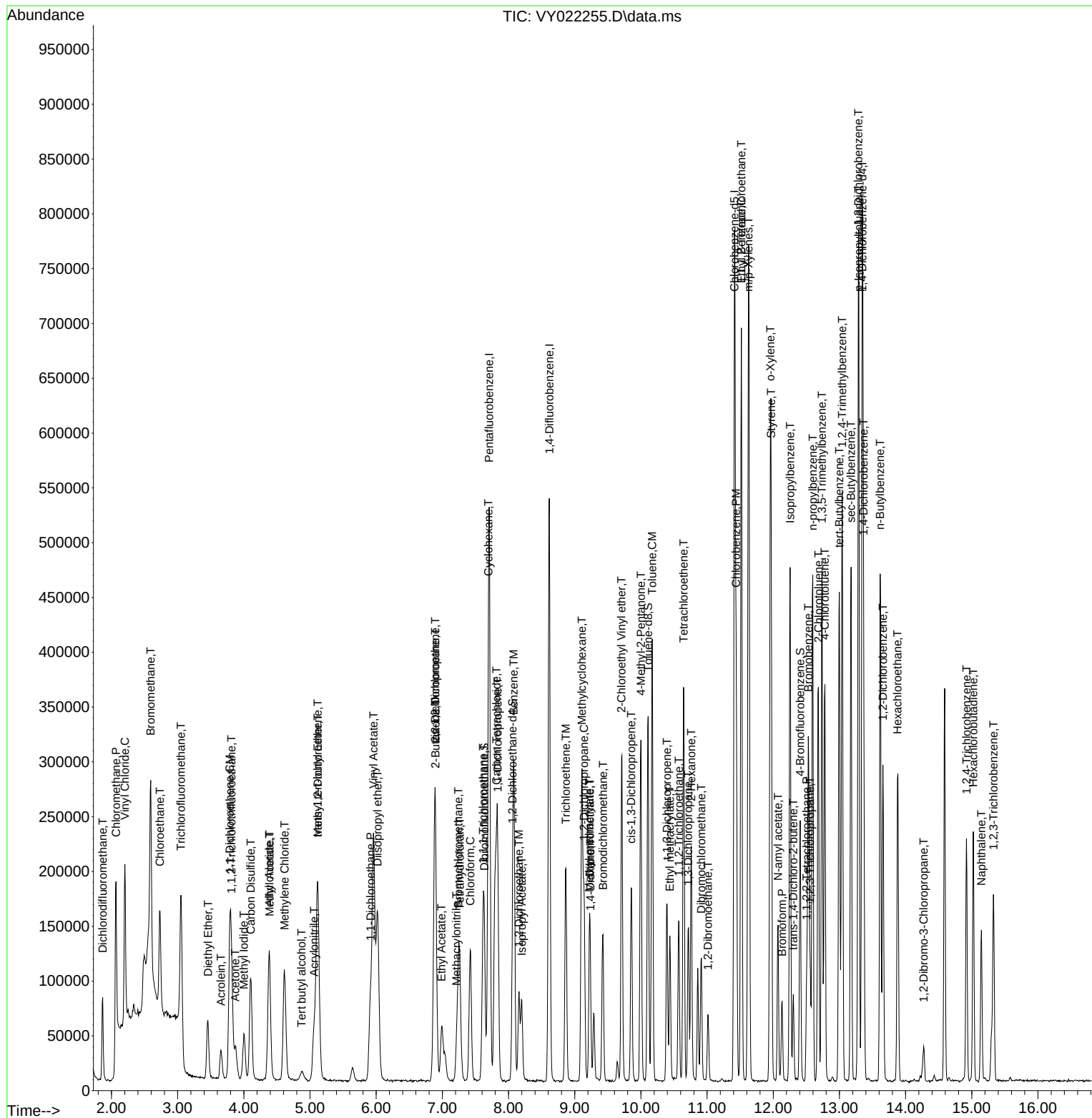
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Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

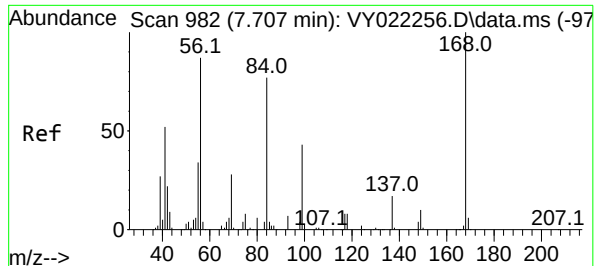
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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





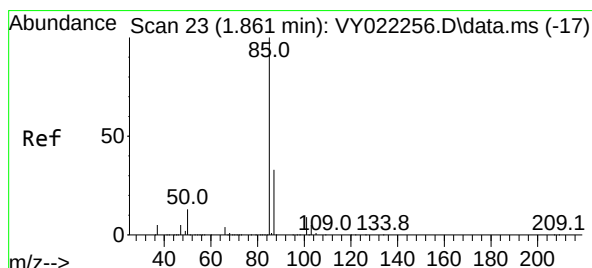
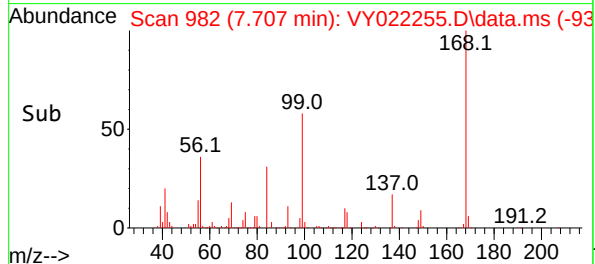
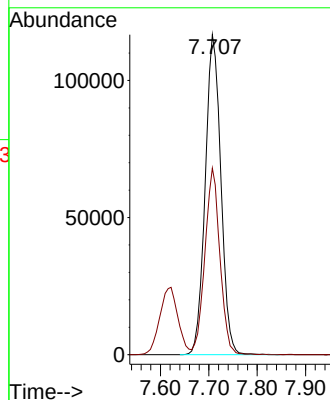
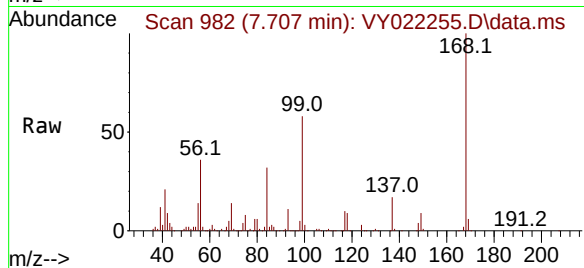
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

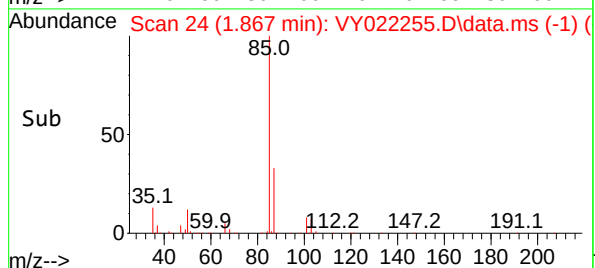
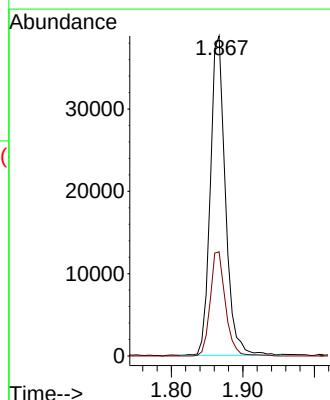
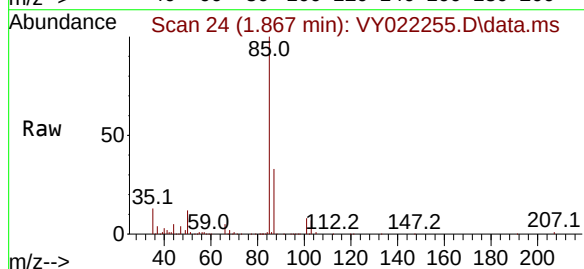
Manual Integrations
APPROVED

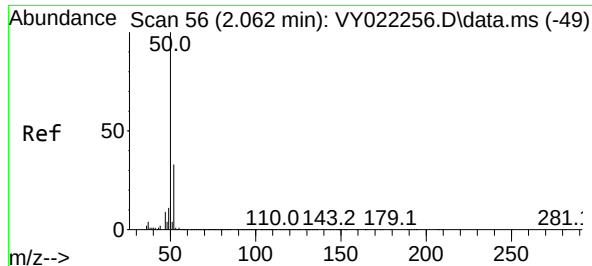
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

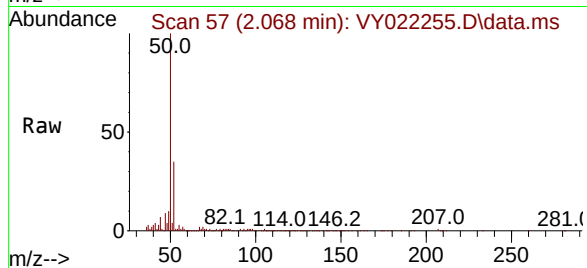
Tgt Ion: 85 Resp: 56737
Ion Ratio Lower Upper
85 100
87 32.6 16.5 49.5





#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

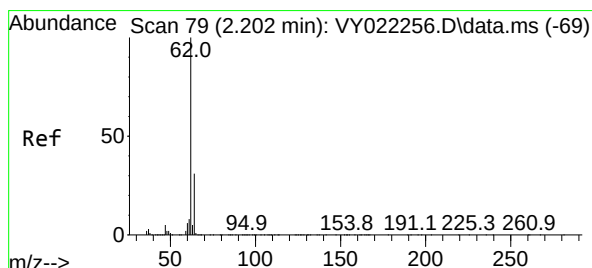
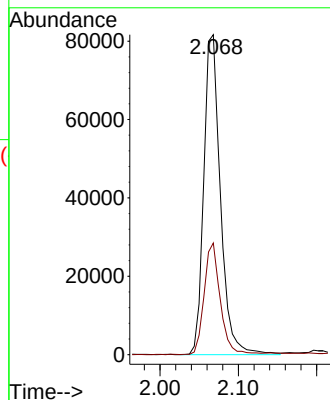
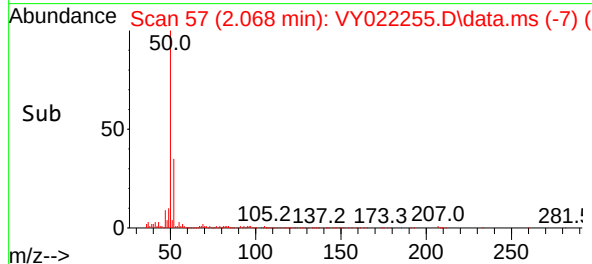
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

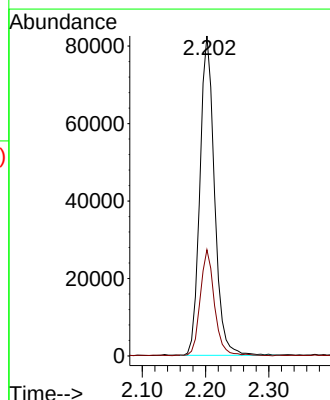
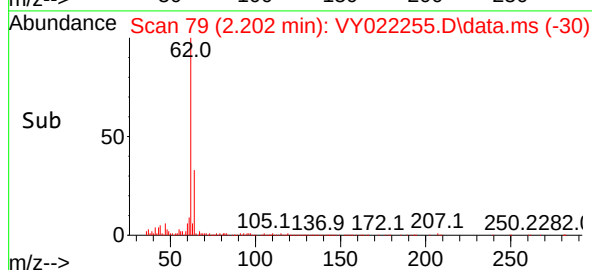
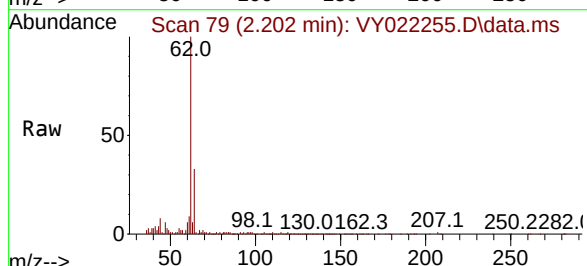
Manual Integrations
APPROVED

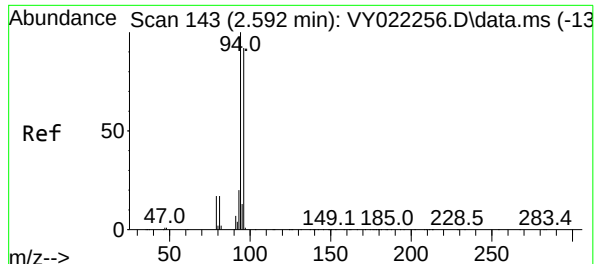
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





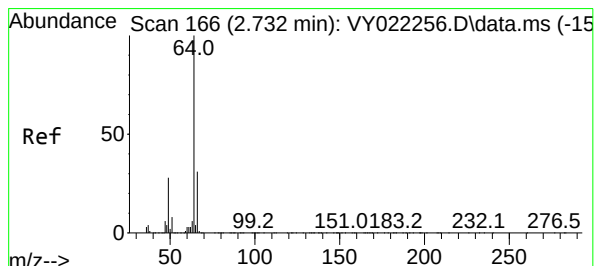
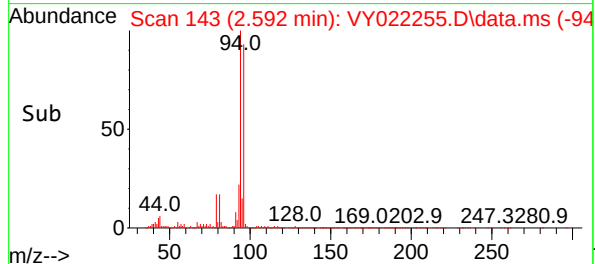
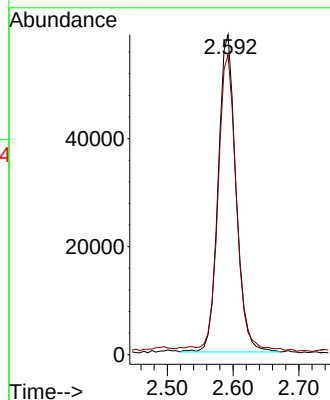
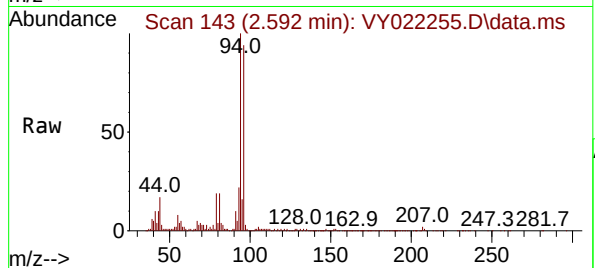
#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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

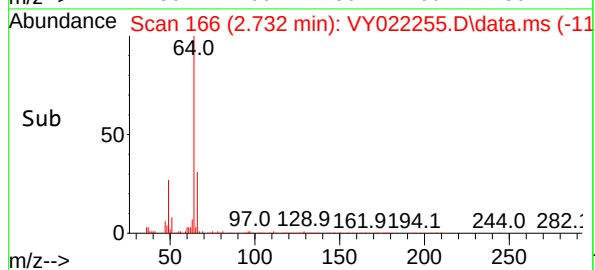
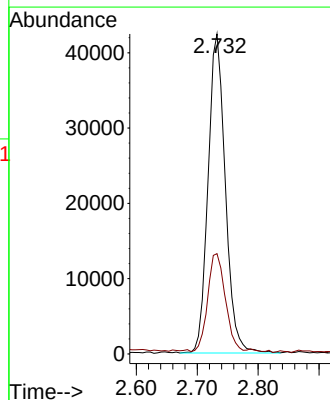
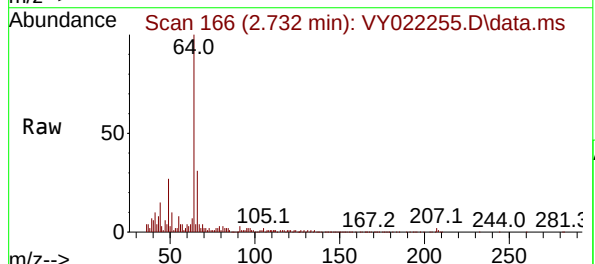
Manual Integrations
APPROVED

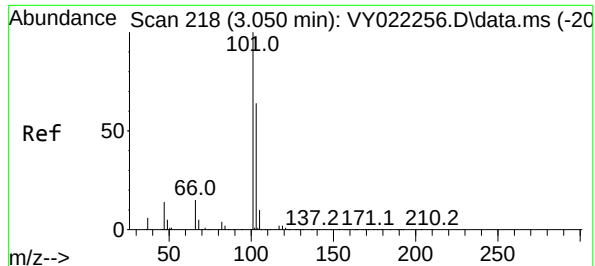
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

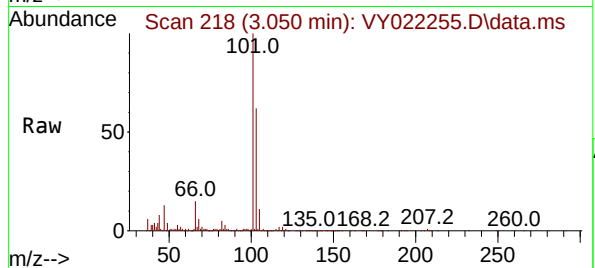
Tgt Ion: 64 Resp: 83451
Ion Ratio Lower Upper
64 100
66 30.4 24.8 37.2





#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

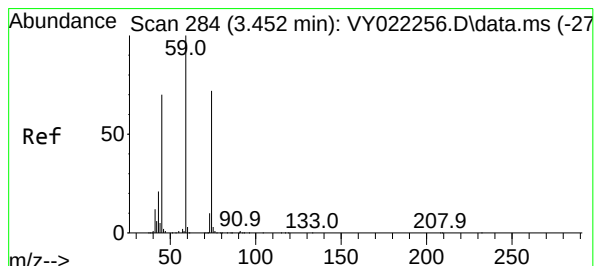
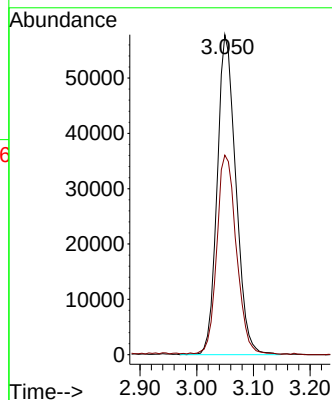
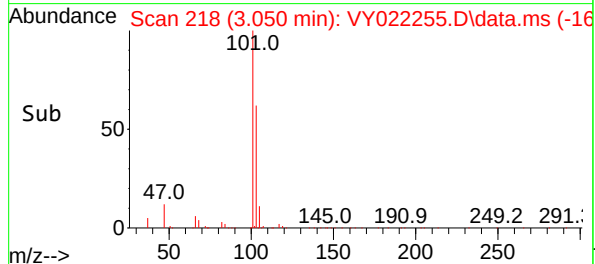
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

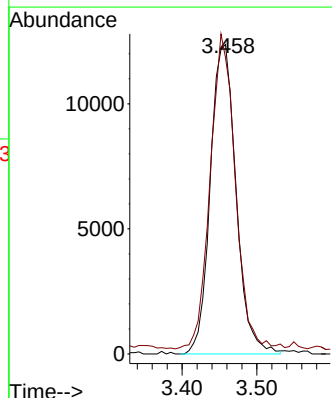
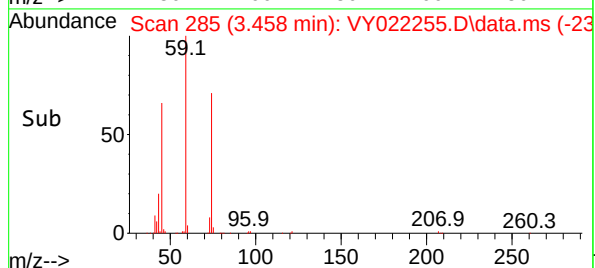
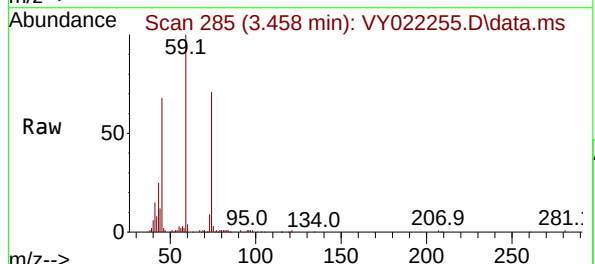
Manual Integrations
APPROVED

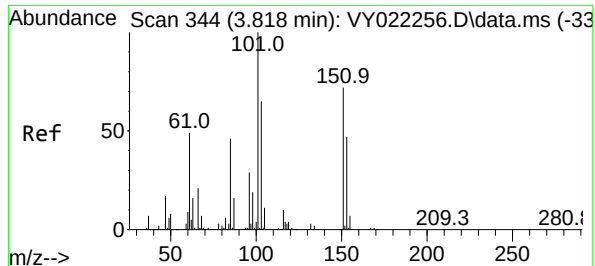
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

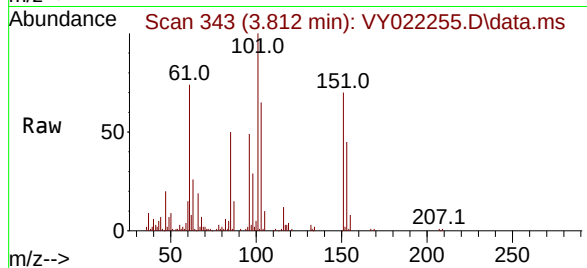
Tgt Ion: 74 Resp: 29651
Ion Ratio Lower Upper
74 100
45 99.0 48.6 145.8





#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

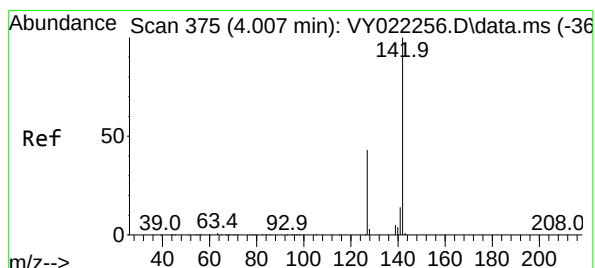
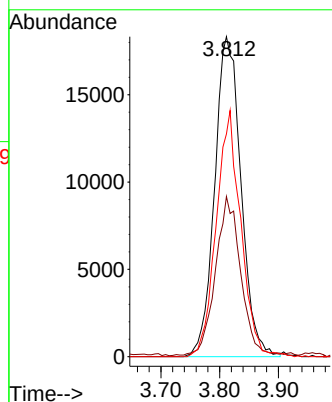
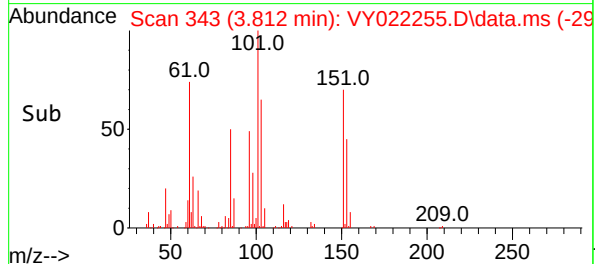
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



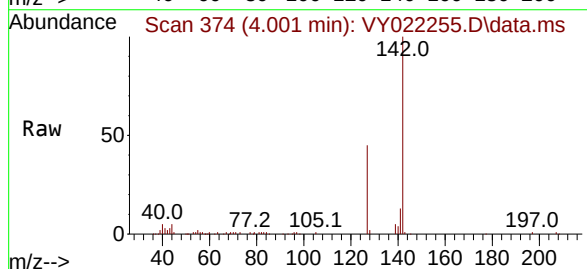
Tgt Ion:101 Resp: 57012
Ion Ratio Lower Upper
101 100
85 47.7 38.6 58.0
151 71.9 59.7 89.5

Manual Integrations
APPROVED

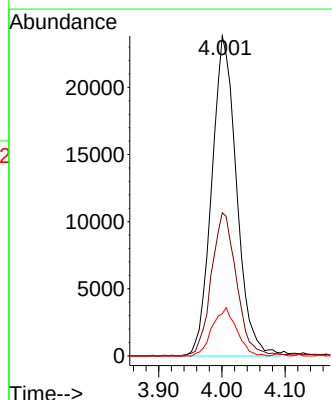
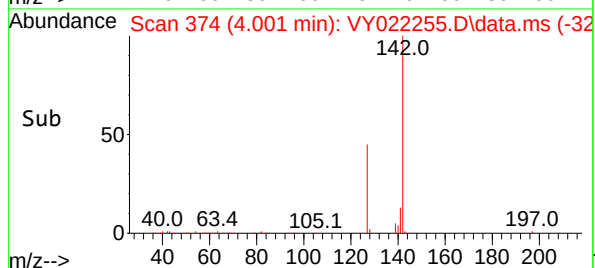
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

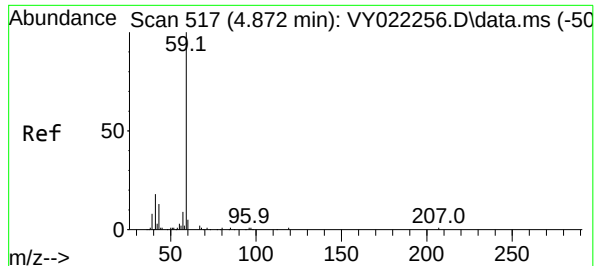


#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



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

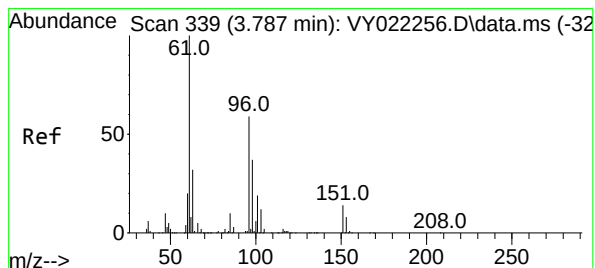
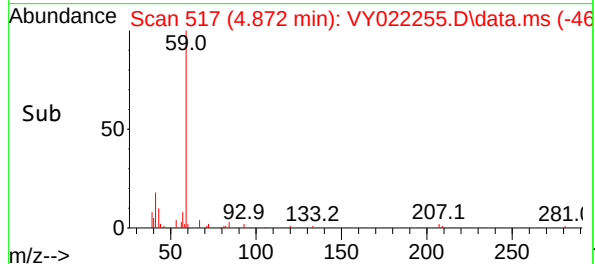
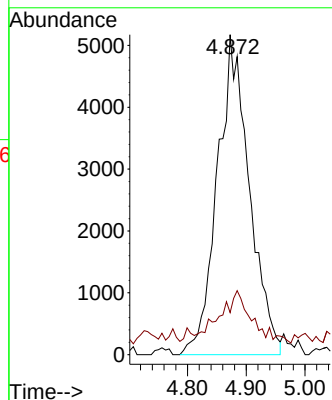
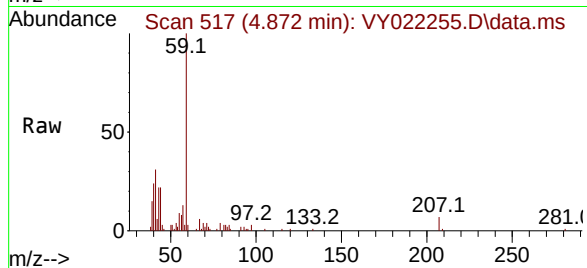
Ion Ratio Lower Upper

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

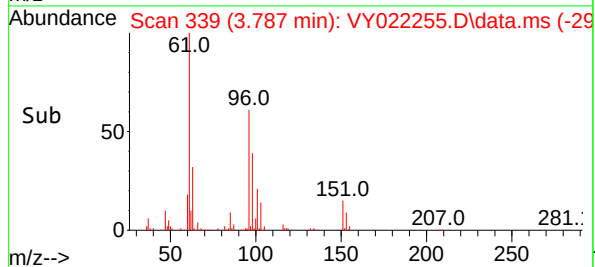
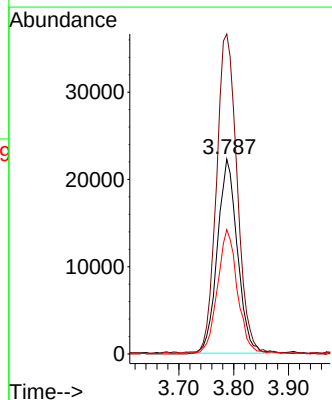
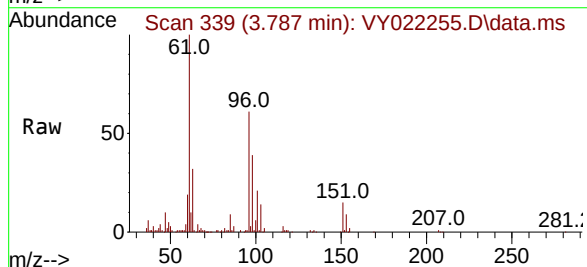
Tgt Ion: 96 Resp: 56630

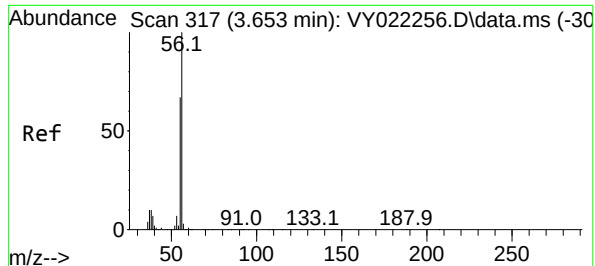
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion: 56 Resp: 30100

Ion Ratio Lower Upper

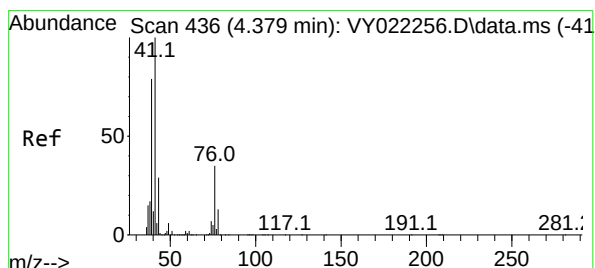
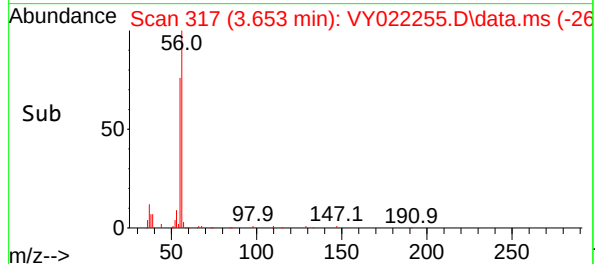
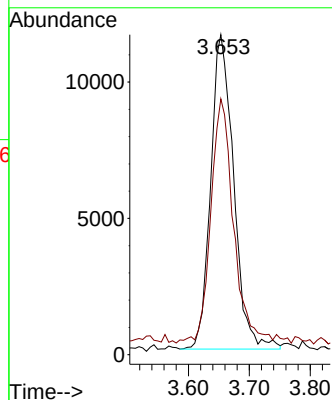
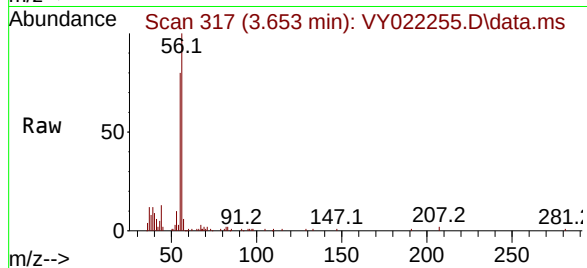
56 100

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

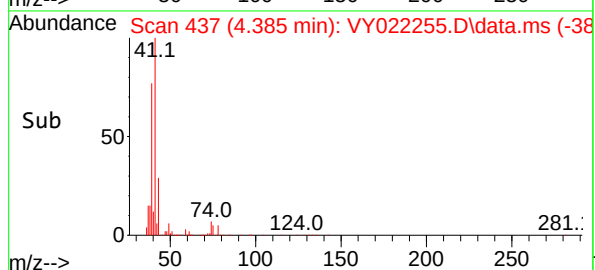
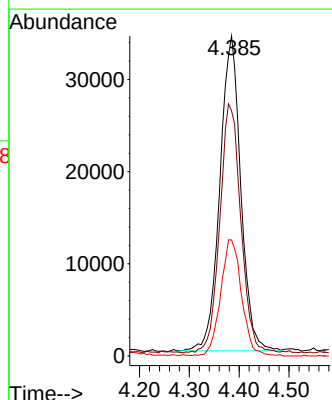
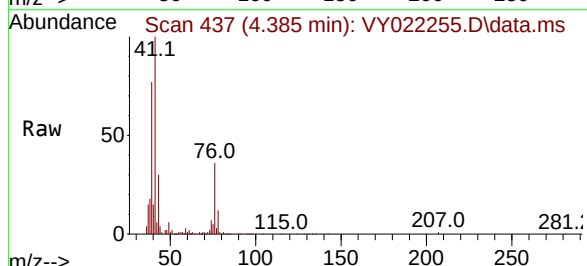
Tgt Ion: 41 Resp: 99483

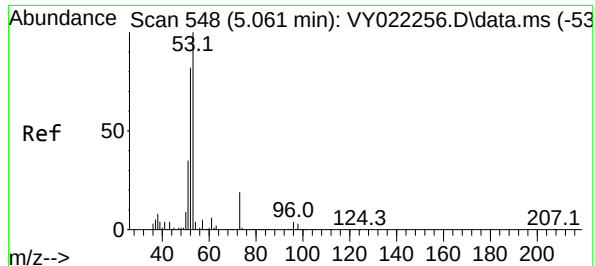
Ion Ratio Lower Upper

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 :

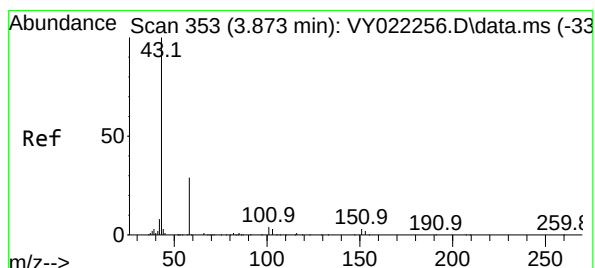
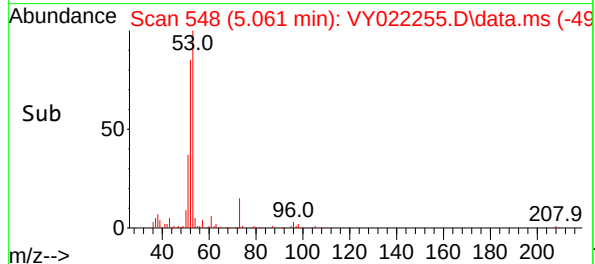
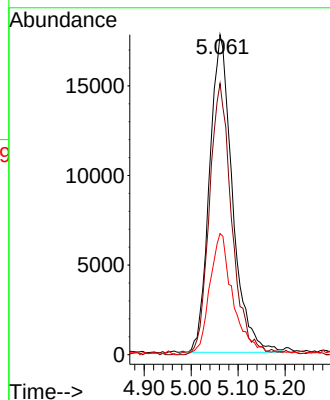
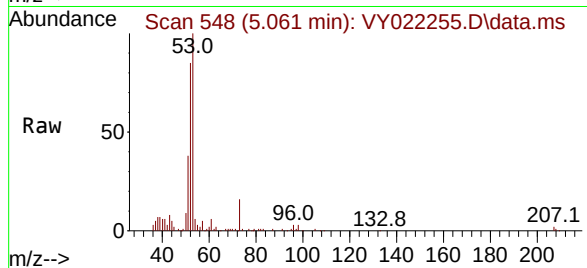
VSTDIC020

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

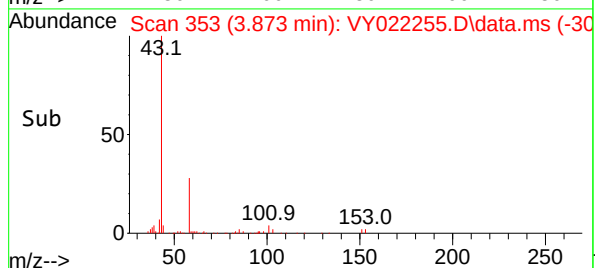
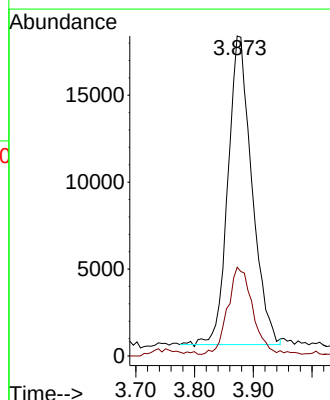
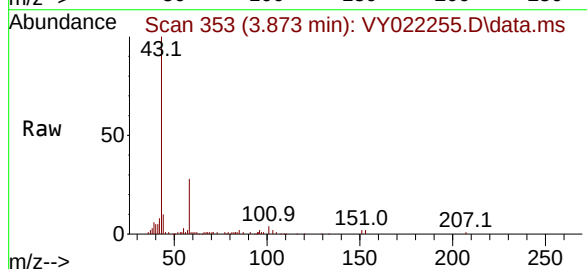
RT: 3.873 min Scan# 353

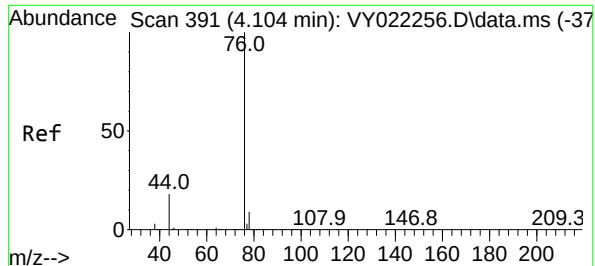
Delta R.T. 0.000 min

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

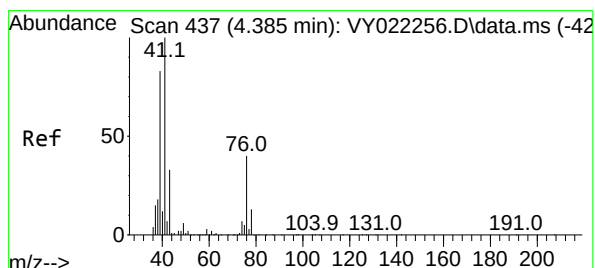
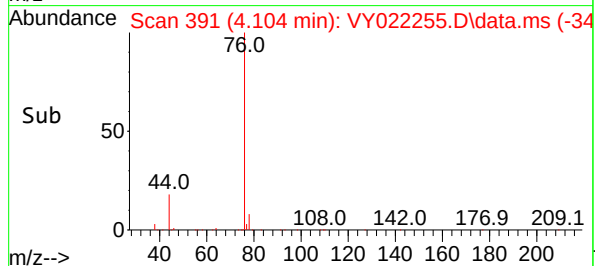
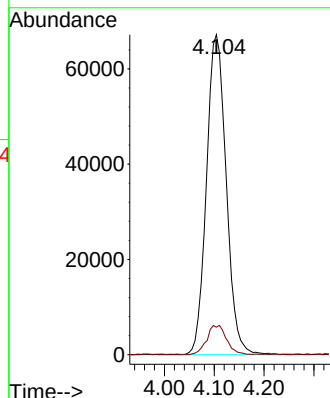
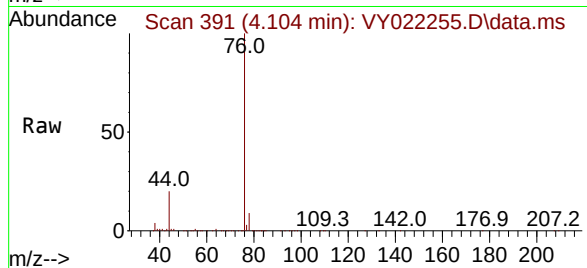
76 100

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

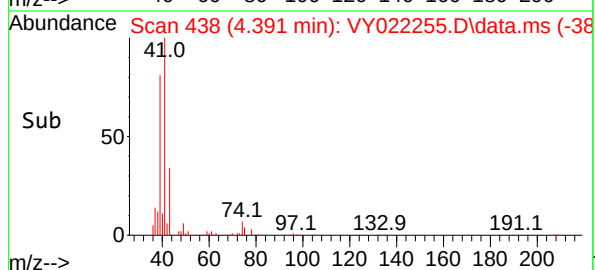
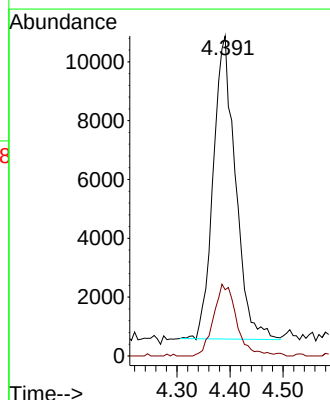
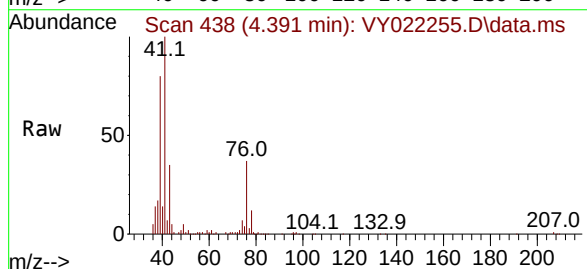
Acq: 15 May 2025 10:39

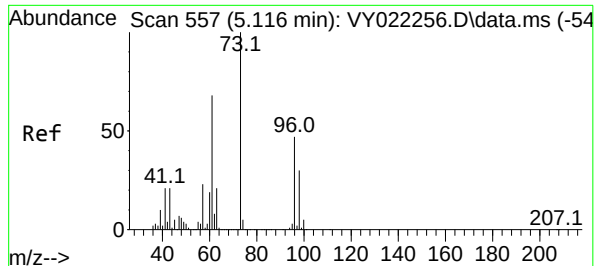
Tgt Ion: 43 Resp: 29969

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

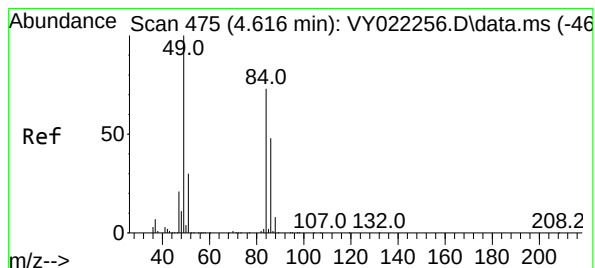
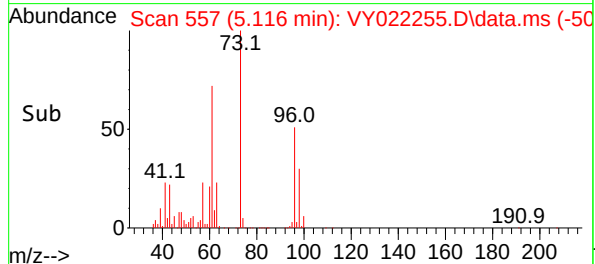
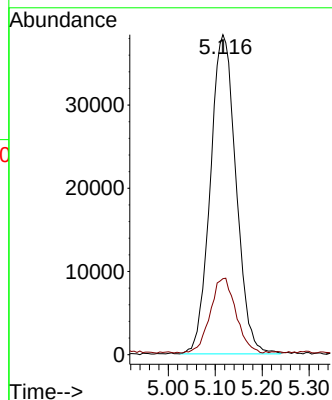
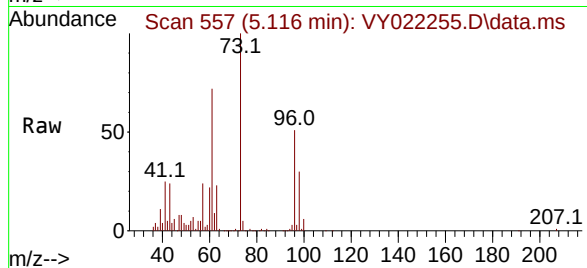
73 100

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

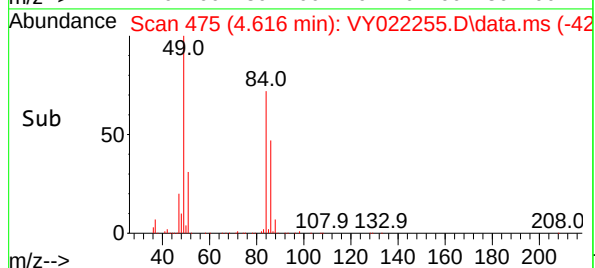
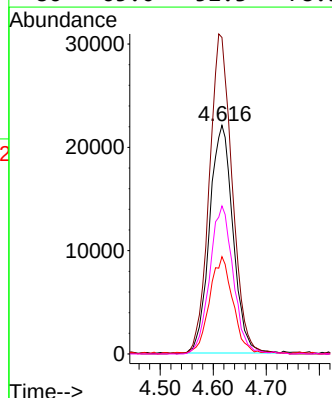
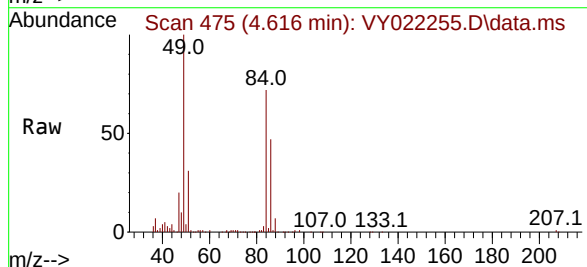
Ion Ratio Lower Upper

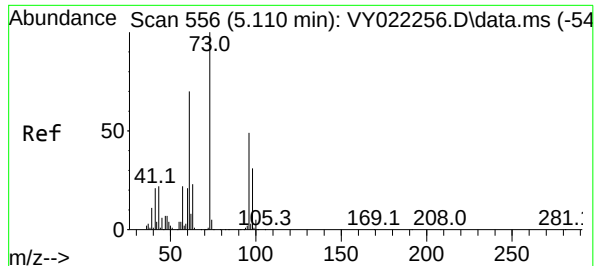
84 100

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# 51

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

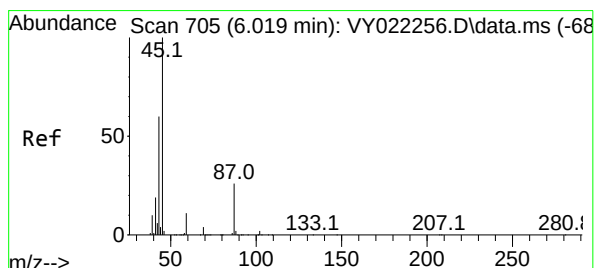
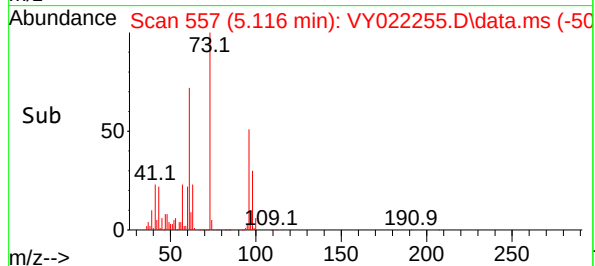
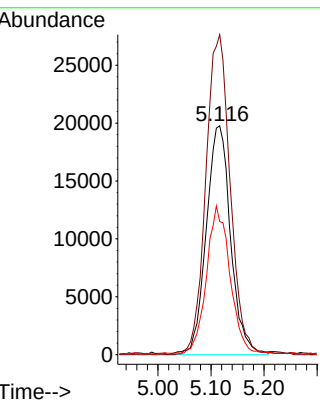
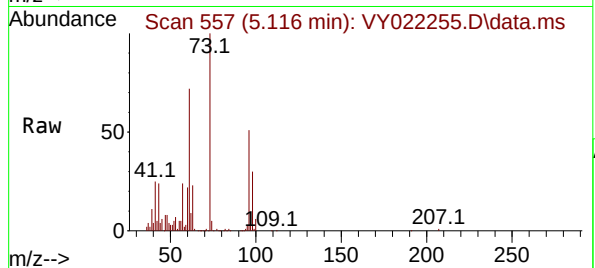
98 57.5 50.9 76.3

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

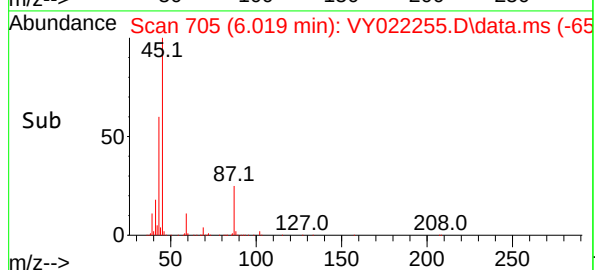
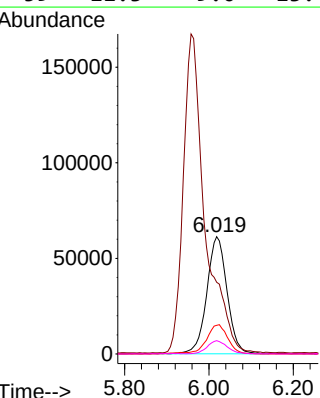
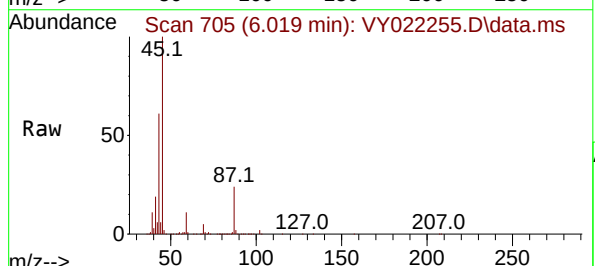
Ion Ratio Lower Upper

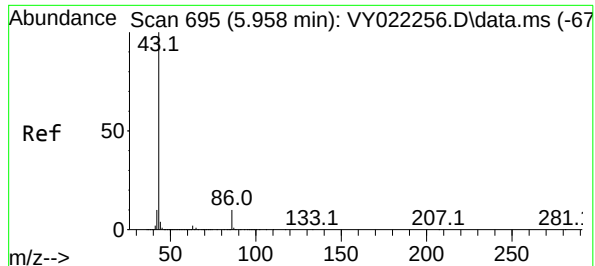
45 100

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

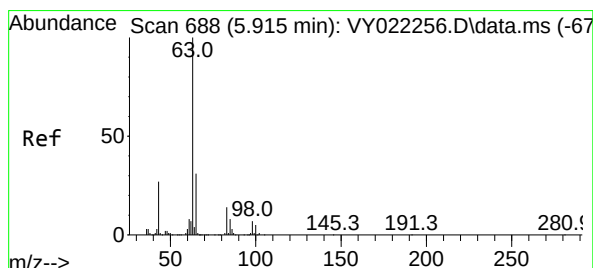
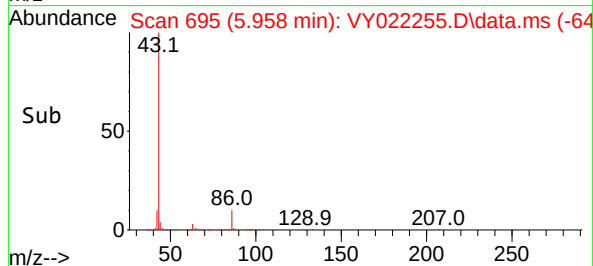
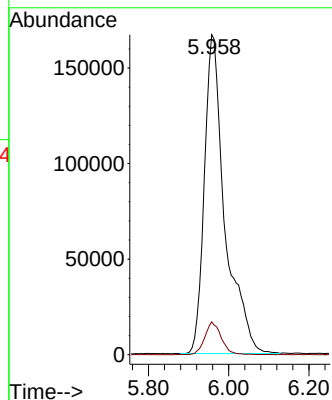
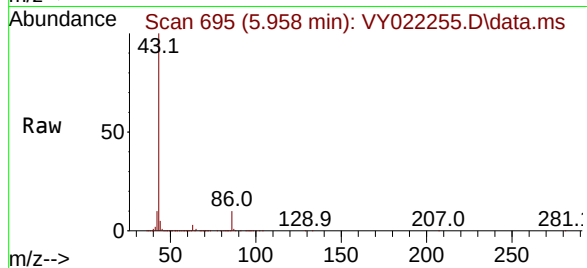
43 100

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

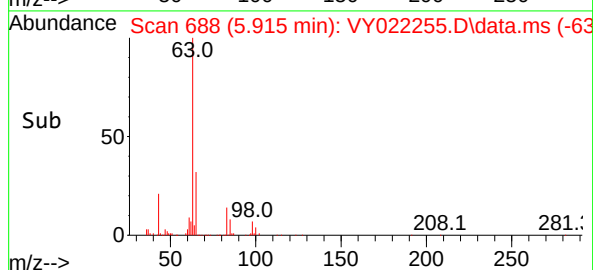
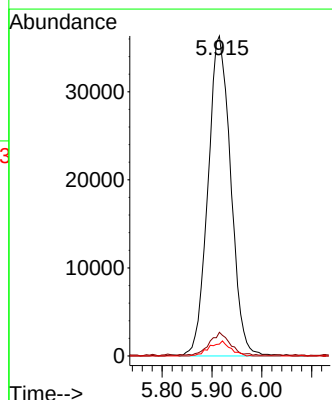
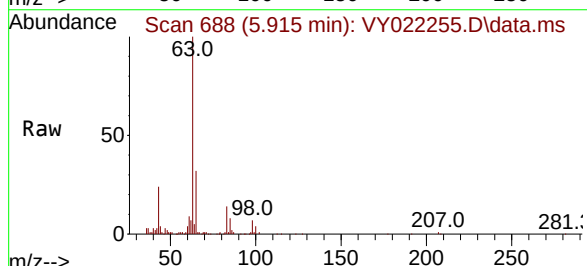
Tgt Ion: 63 Resp: 115217

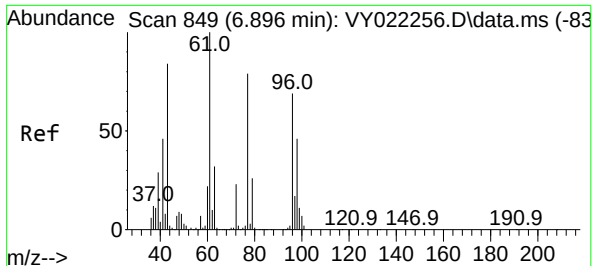
Ion Ratio Lower Upper

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

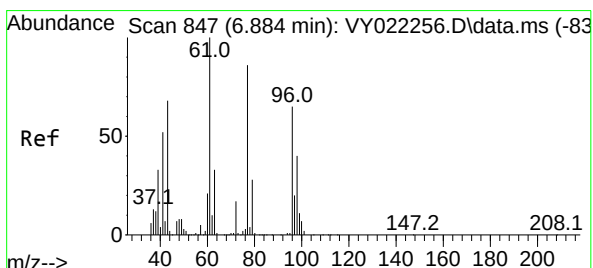
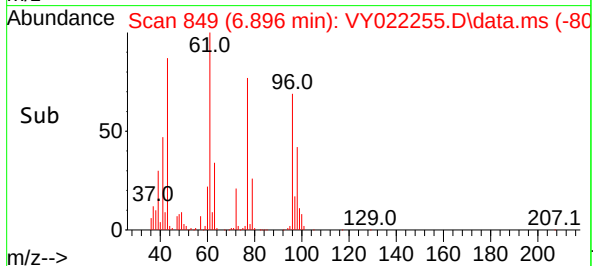
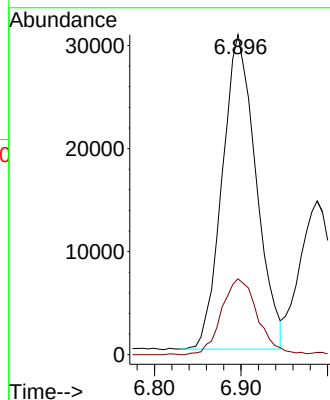
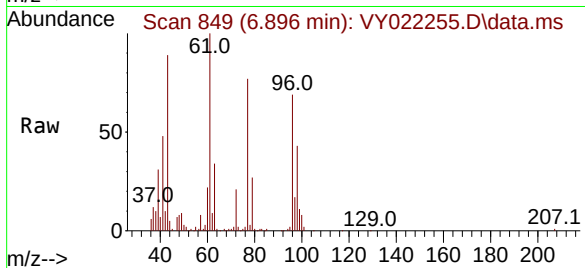
Ion Ratio Lower Upper

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

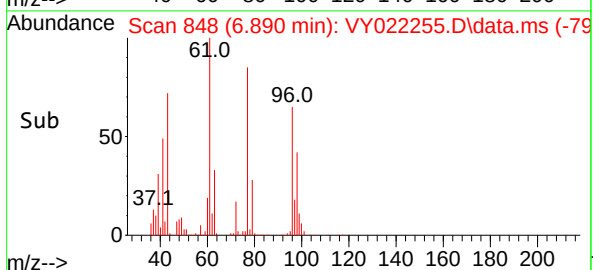
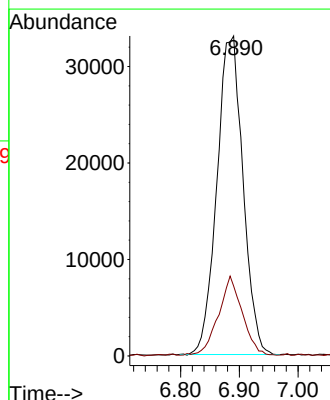
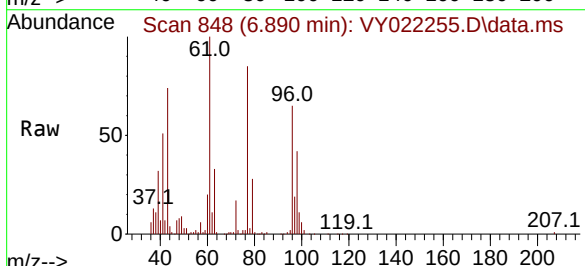
Acq: 15 May 2025 10:39

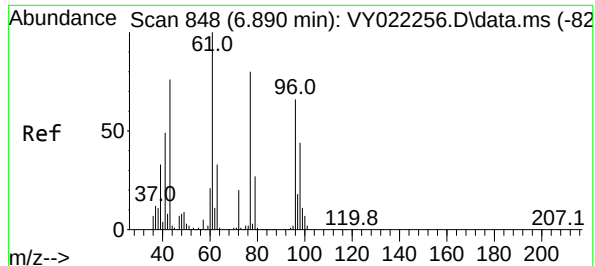
Tgt Ion: 77 Resp: 101725

Ion Ratio Lower Upper

77 100

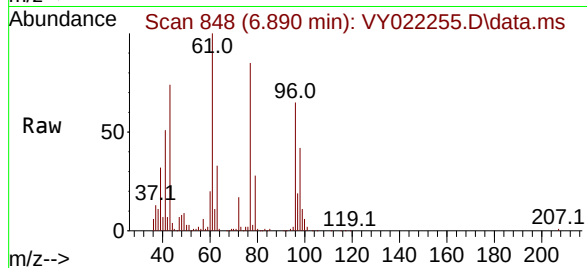
97 22.6 11.2 33.5





#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

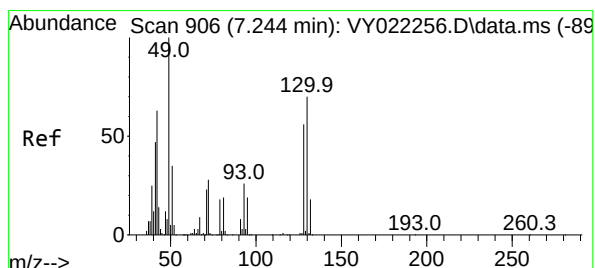
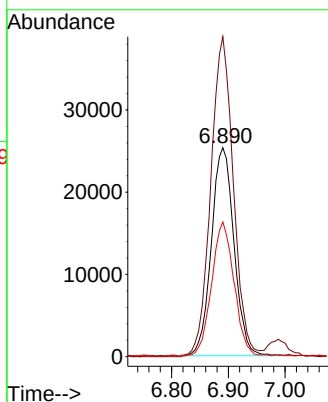
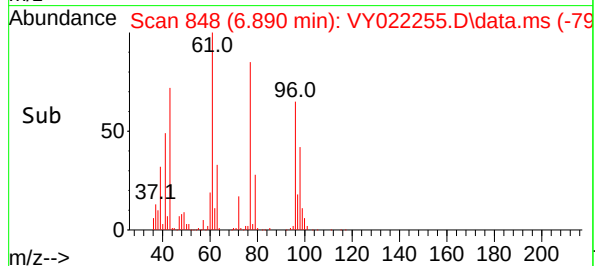
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

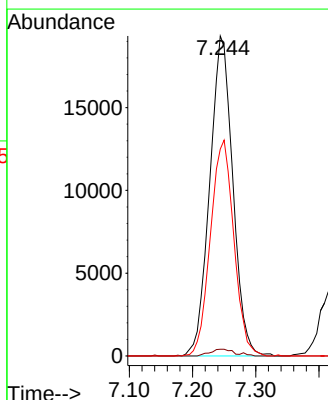
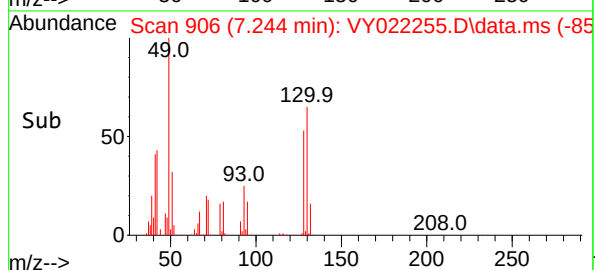
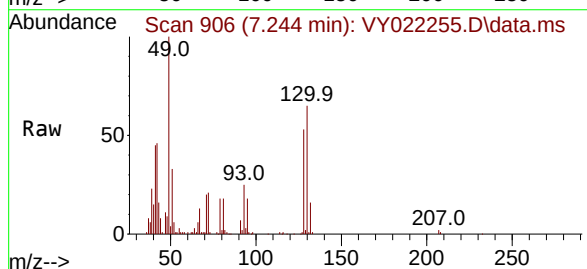
Manual Integrations
APPROVED

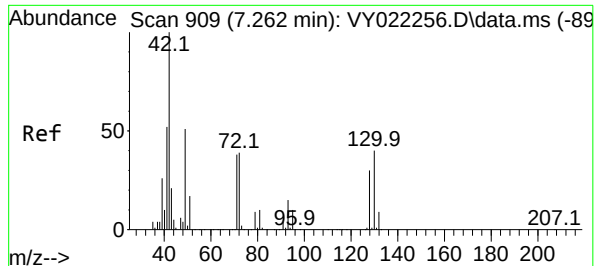
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

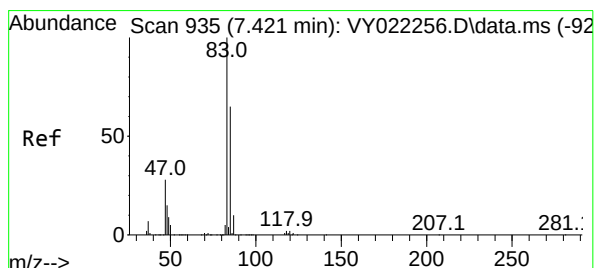
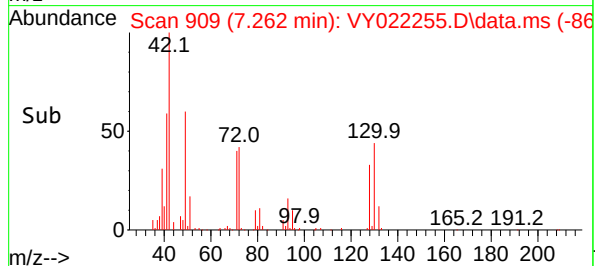
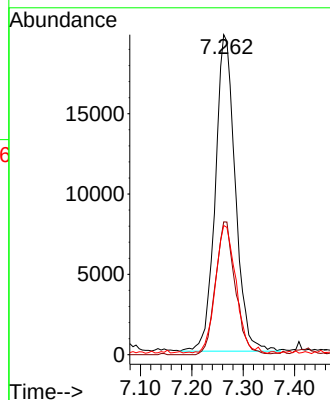
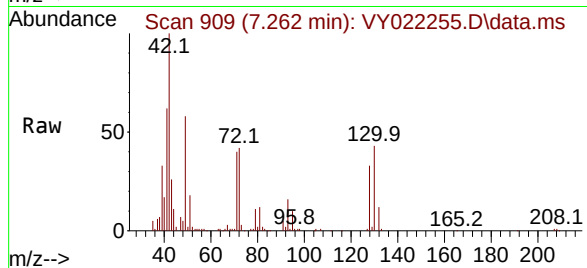
VSTDIC020

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

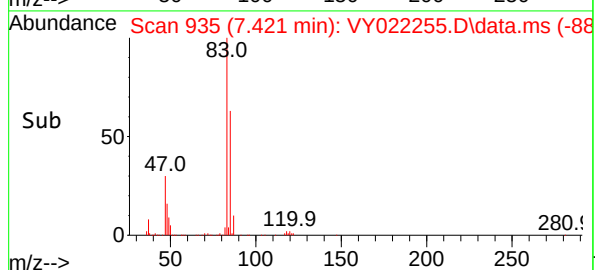
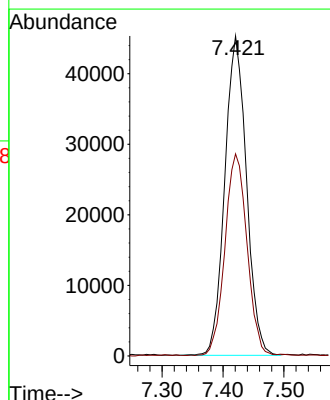
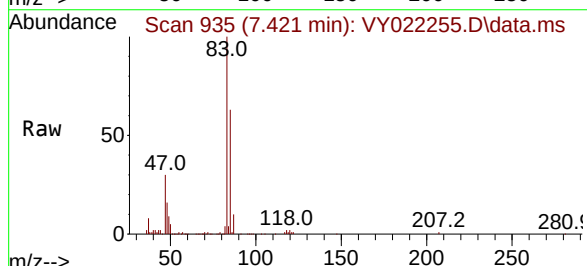
RT: 7.421 min Scan# 935

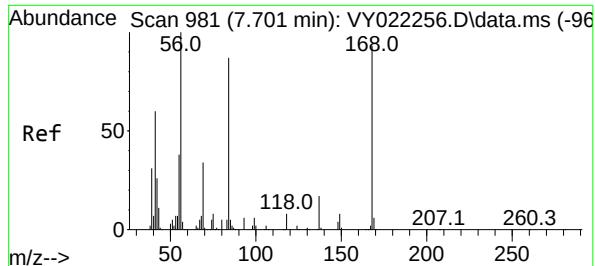
Delta R.T. 0.000 min

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 :

VSTDIC020

Tgt Ion: 56 Resp: 112870

Ion Ratio Lower Upper

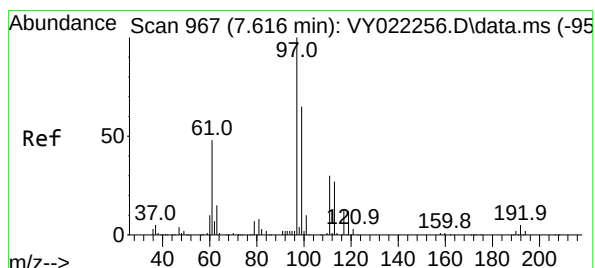
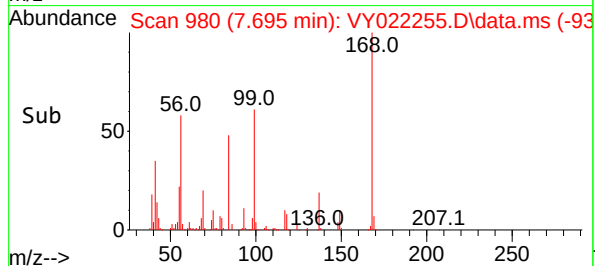
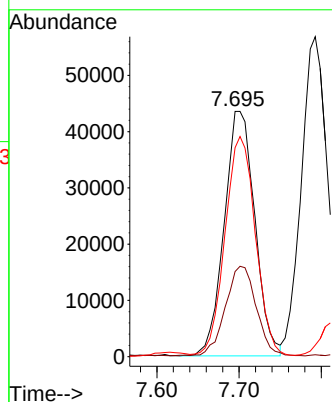
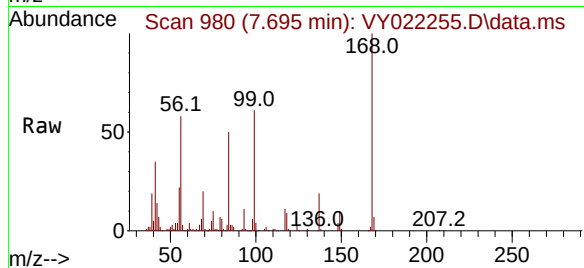
56 100

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

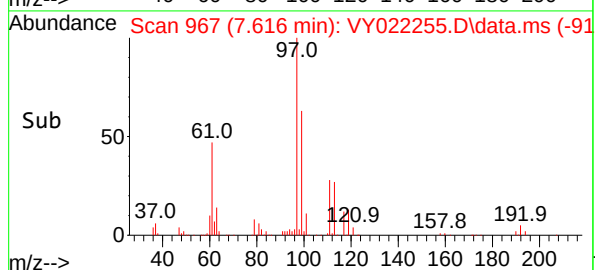
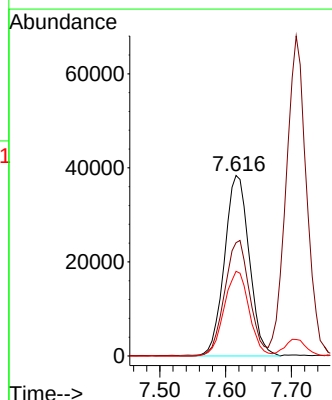
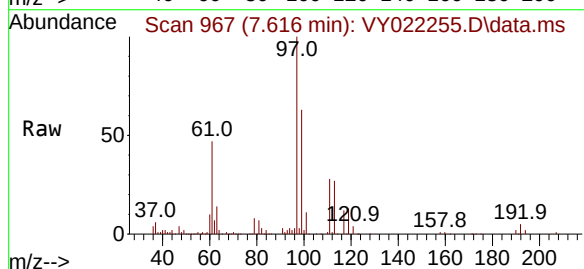
Tgt Ion: 97 Resp: 100618

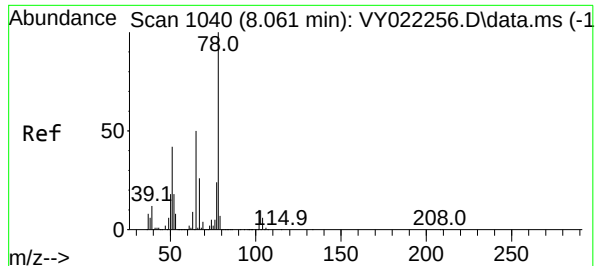
Ion Ratio Lower Upper

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

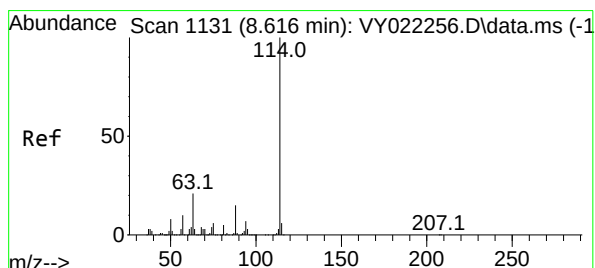
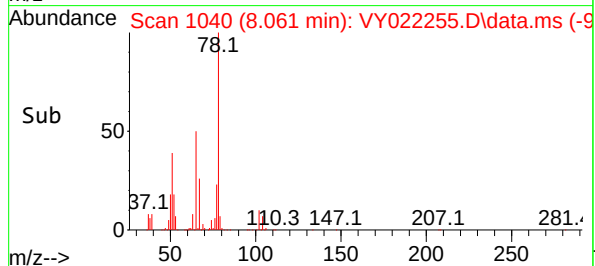
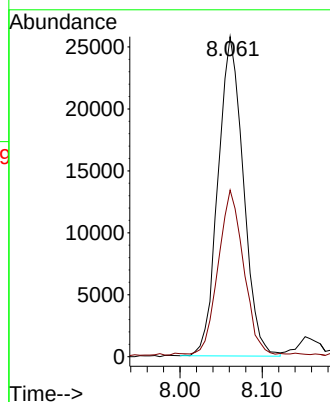
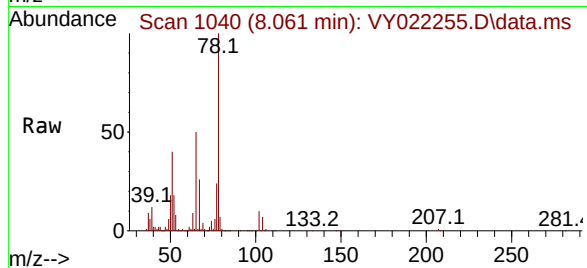
65 100

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

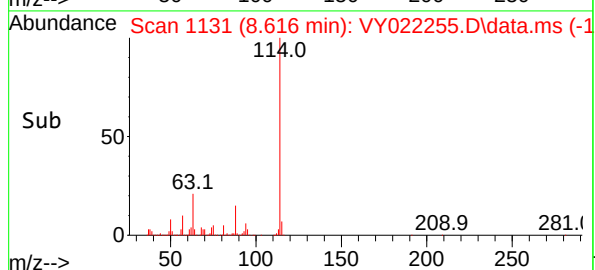
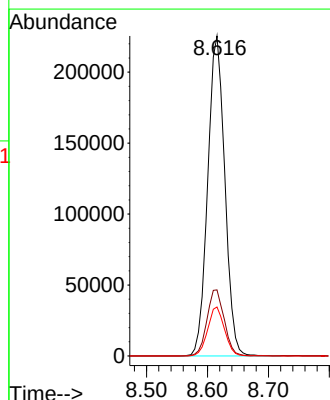
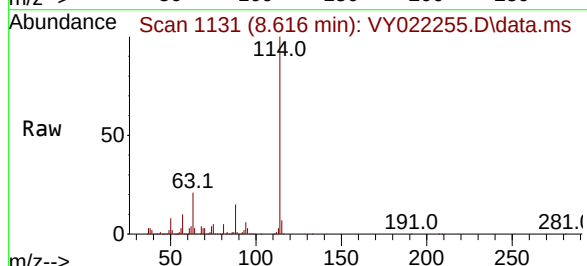
Tgt Ion:114 Resp: 439816

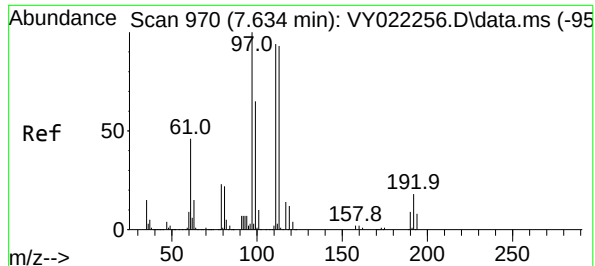
Ion Ratio Lower Upper

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

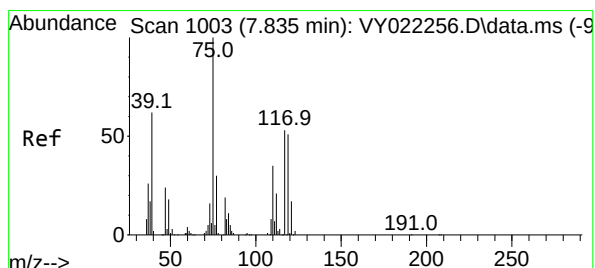
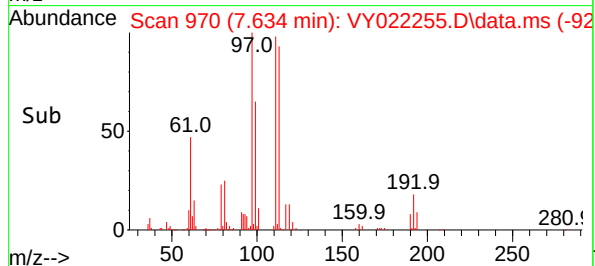
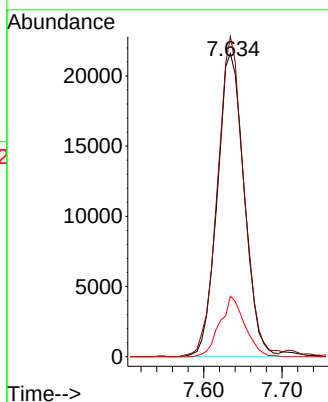
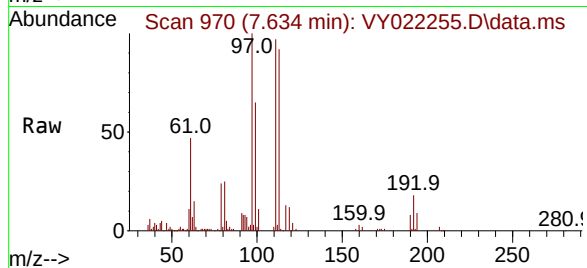
113 100

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

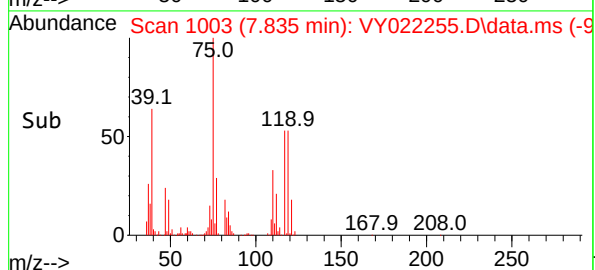
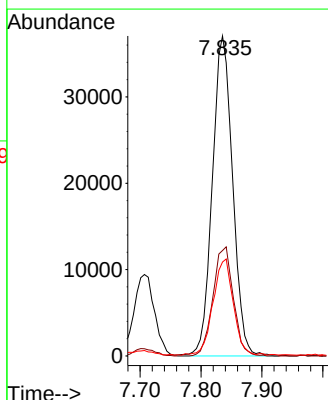
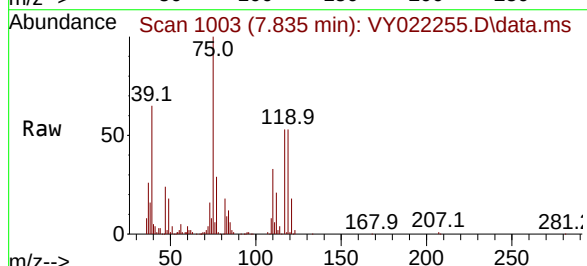
Tgt Ion: 75 Resp: 85789

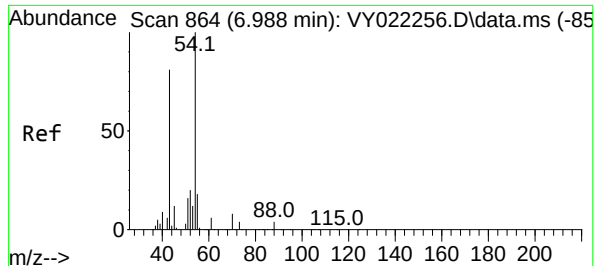
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion: 43 Resp: 3848

Ion Ratio Lower Upper

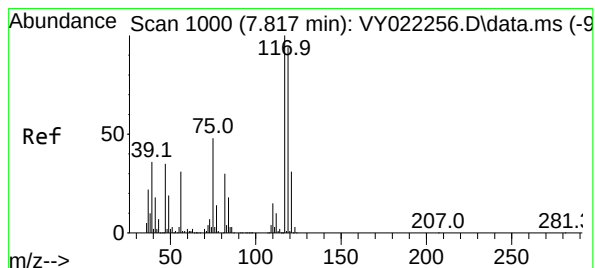
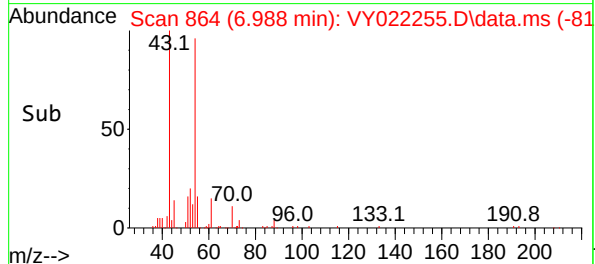
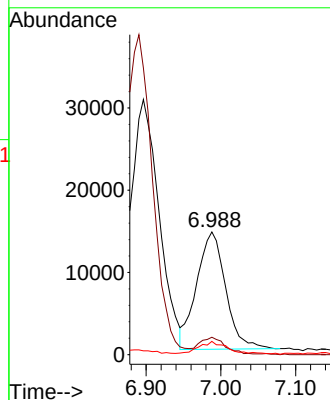
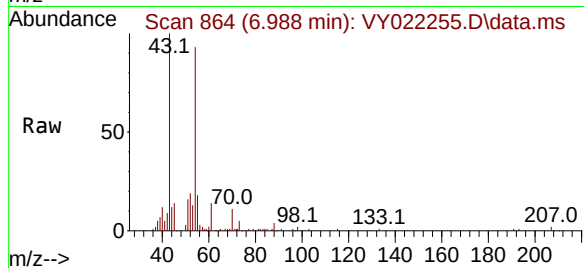
43 100

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

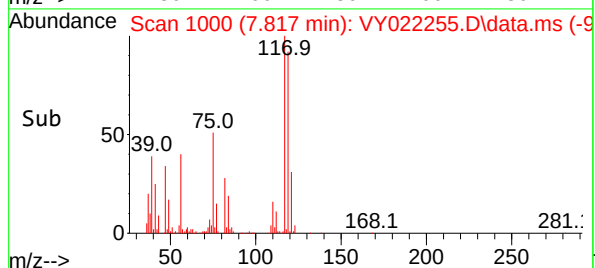
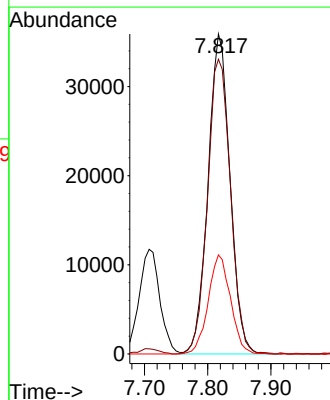
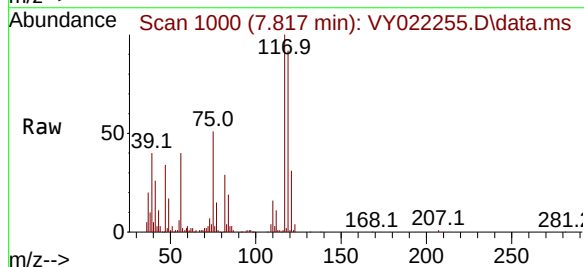
Tgt Ion:117 Resp: 86871

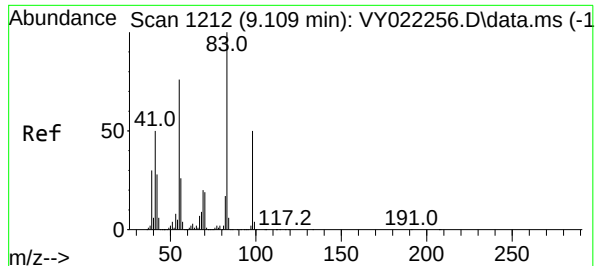
Ion Ratio Lower Upper

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

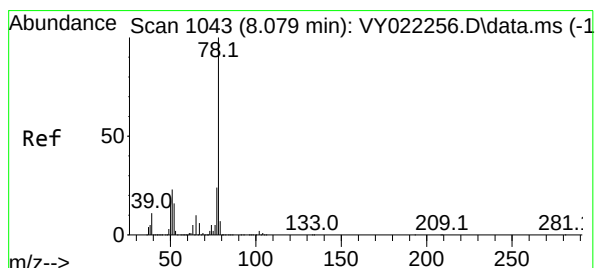
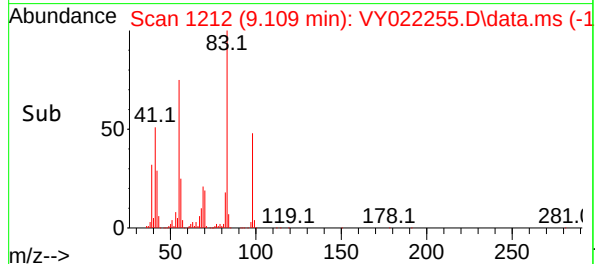
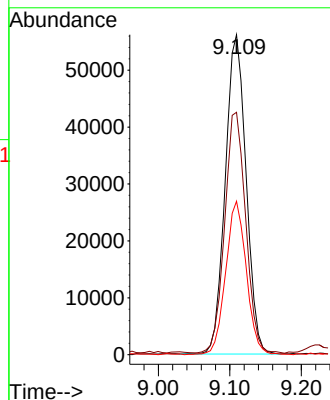
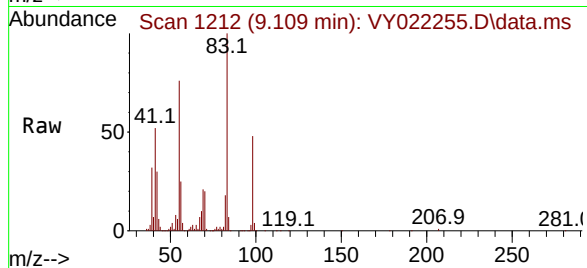
83 100

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

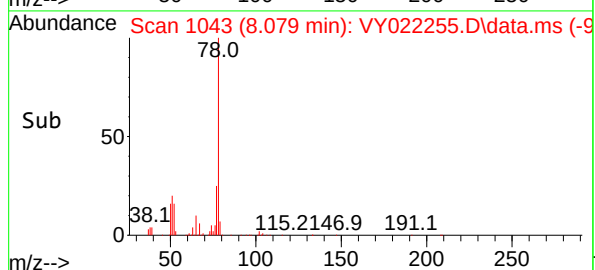
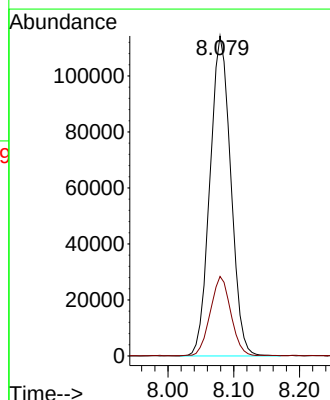
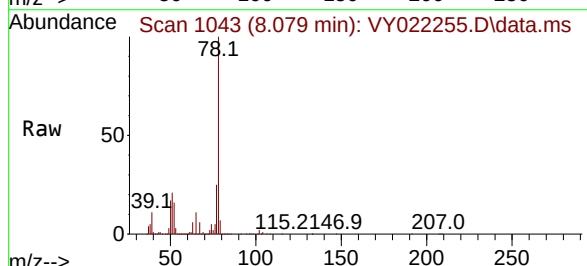
Acq: 15 May 2025 10:39

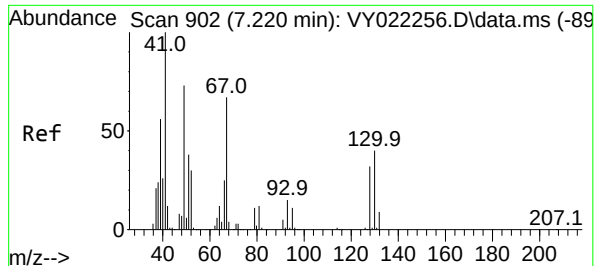
Tgt Ion: 78 Resp: 252507

Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3





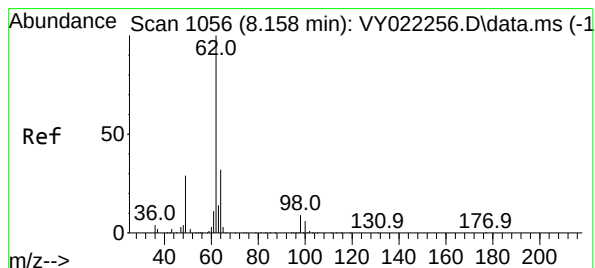
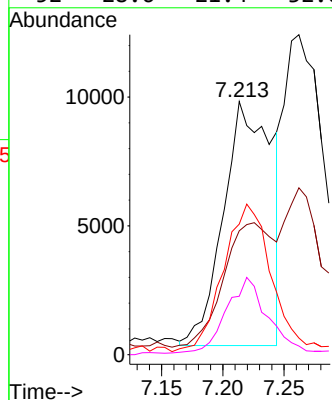
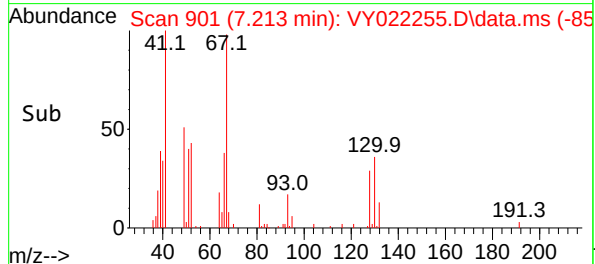
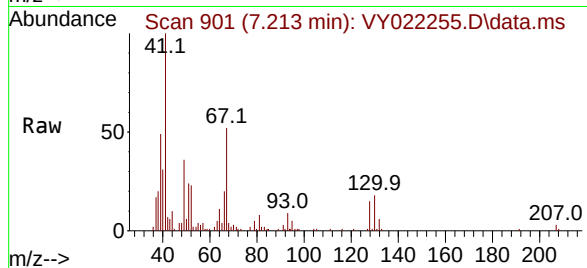
#41
Methacrylonitrile
Concen: 17.085 ug/l m
RT: 7.213 min Scan# 902
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

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

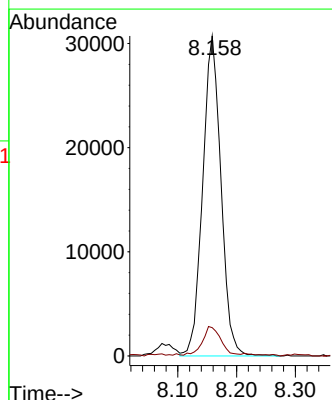
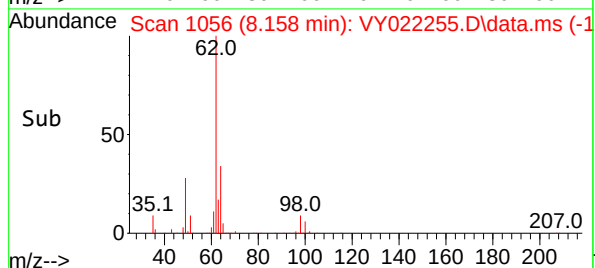
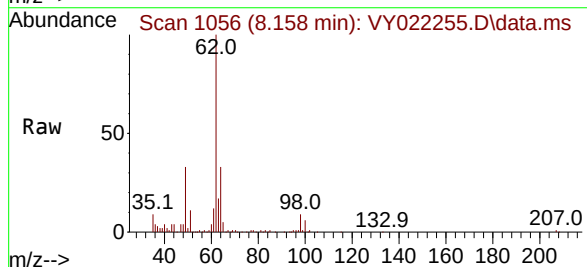
Manual Integrations
APPROVED

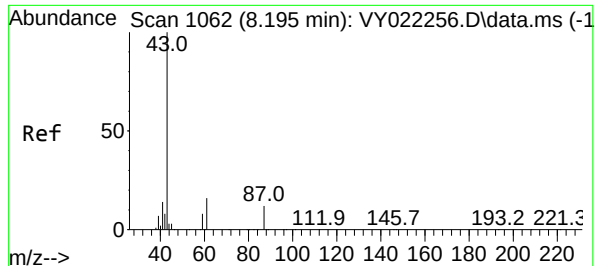
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

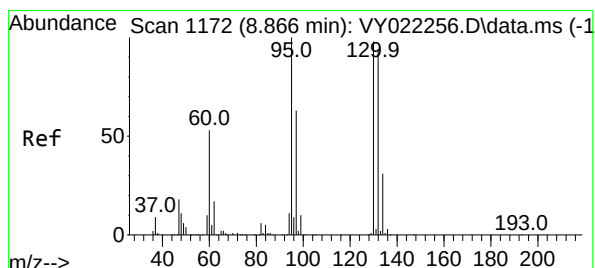
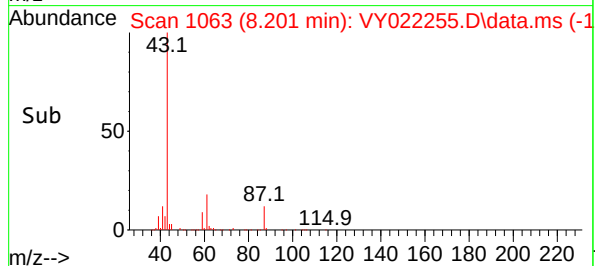
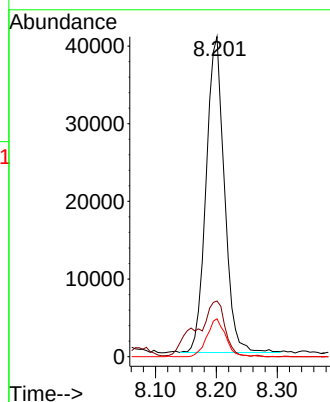
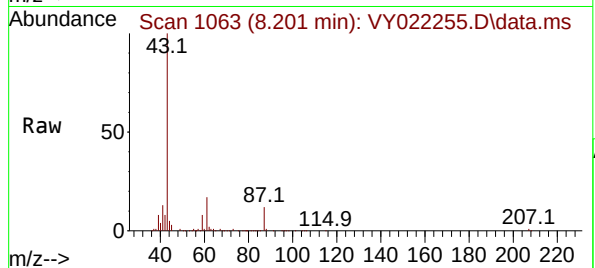
VSTDIC020

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

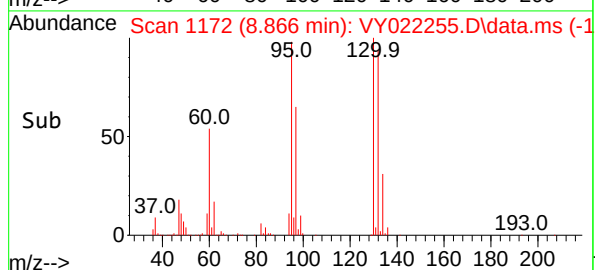
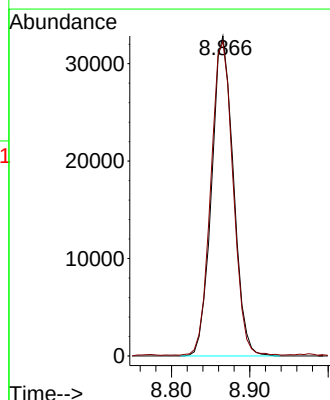
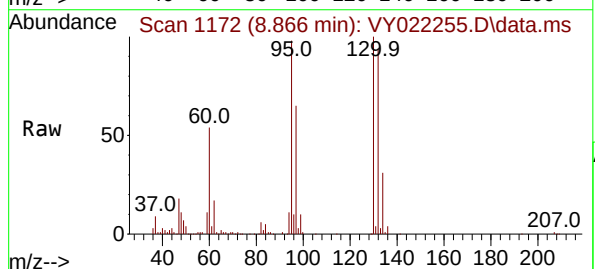
RT: 8.866 min Scan# 1172

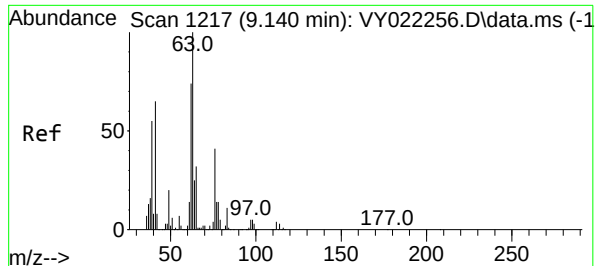
Delta R.T. 0.000 min

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

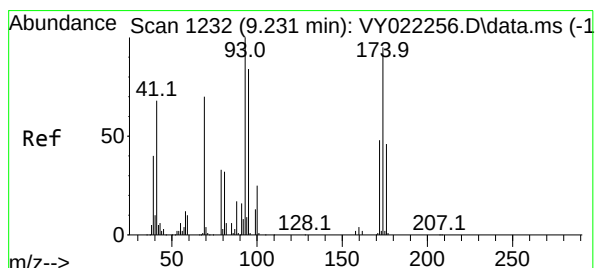
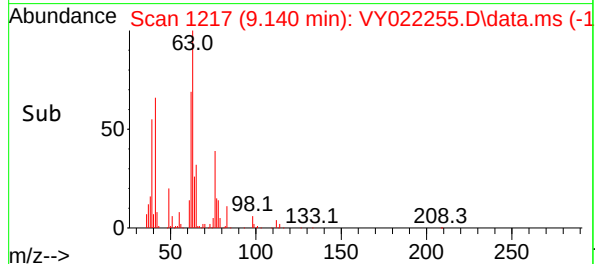
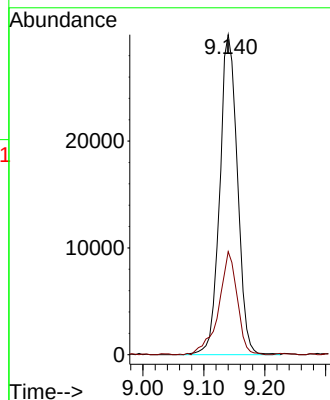
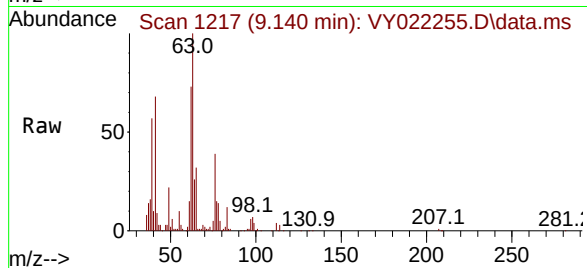
63 100

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

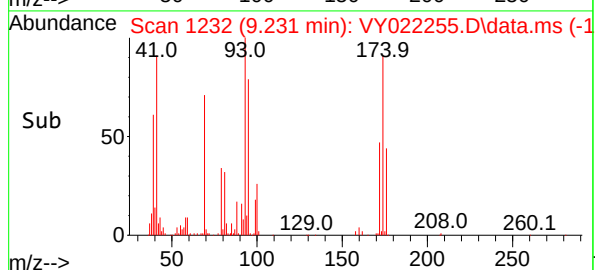
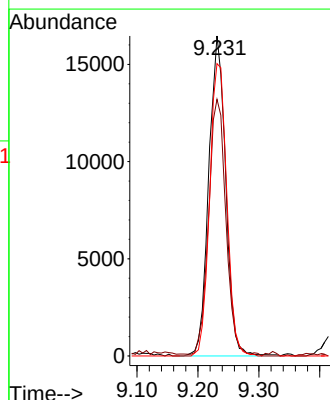
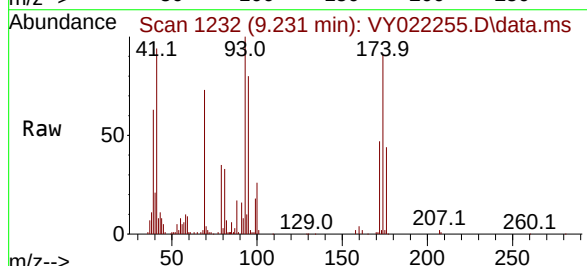
Tgt Ion: 93 Resp: 31752

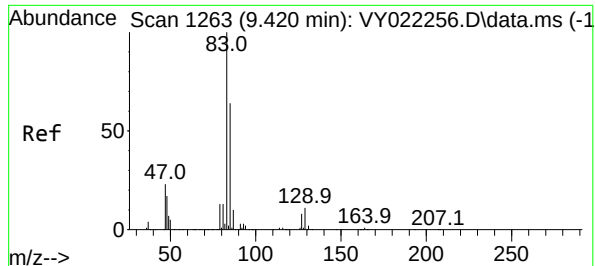
Ion Ratio Lower Upper

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 :

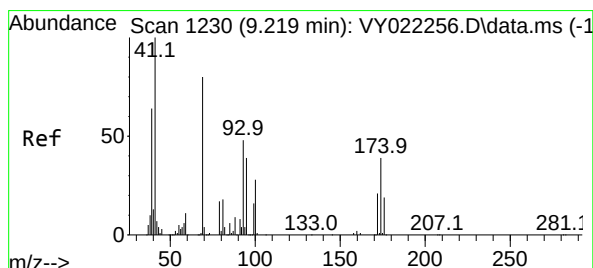
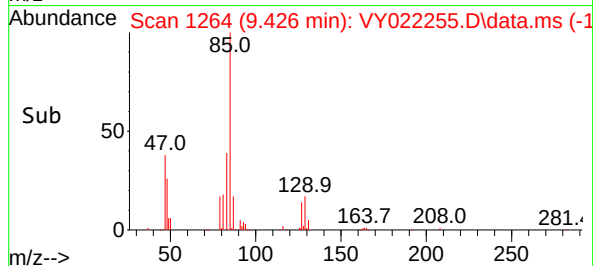
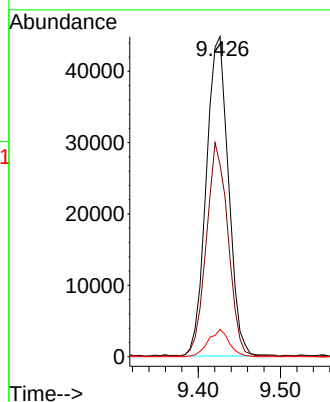
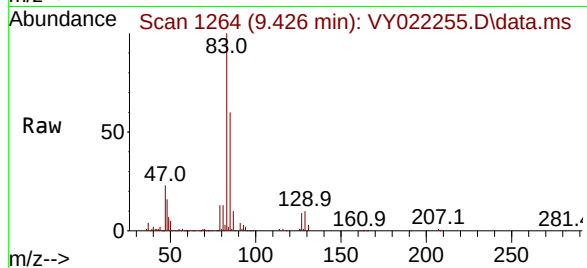
VSTDIC020

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

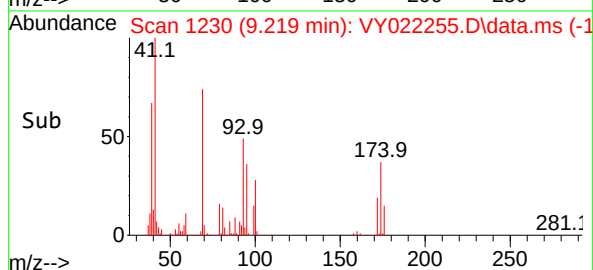
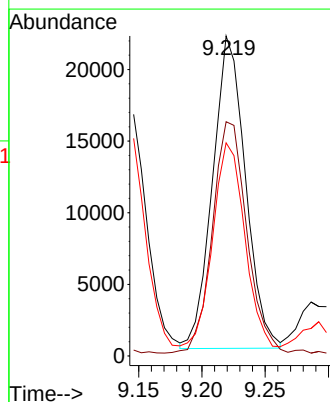
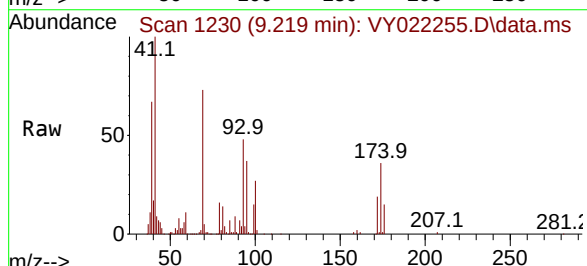
RT: 9.219 min Scan# 1230

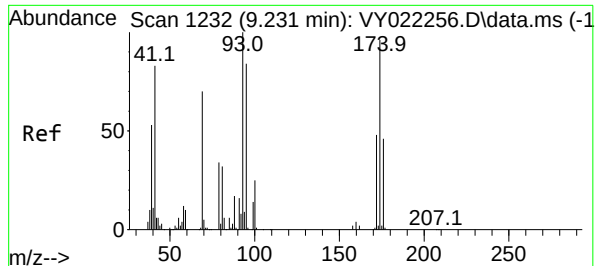
Delta R.T. 0.000 min

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

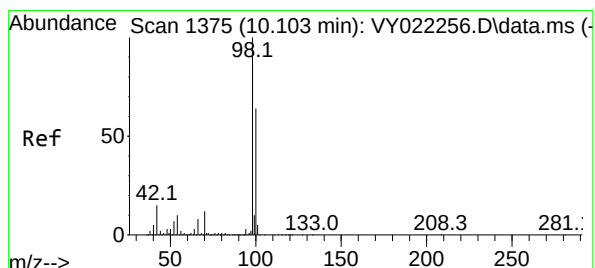
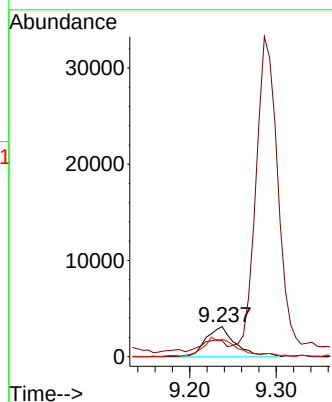
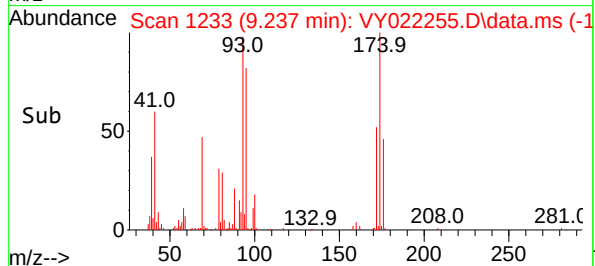
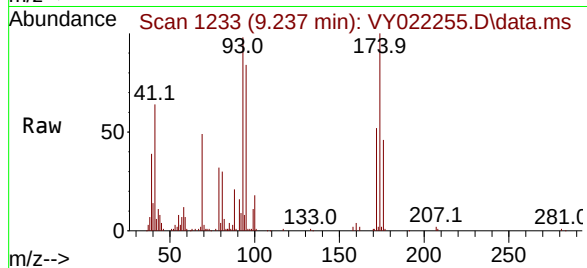
88 100

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

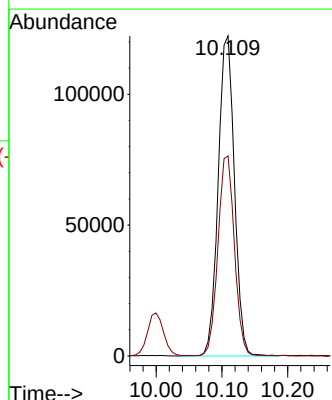
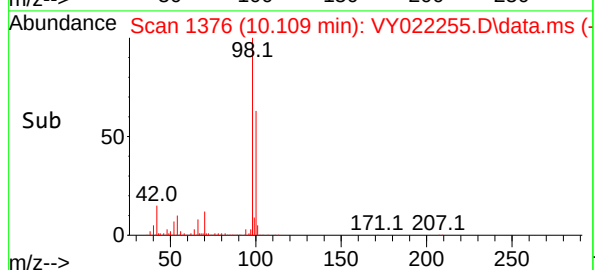
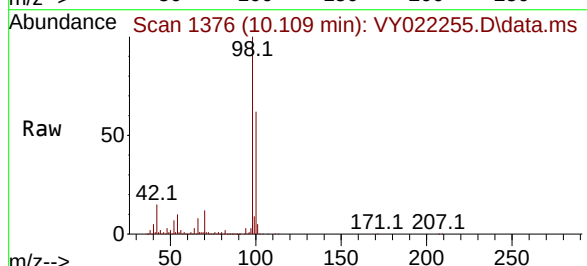
Acq: 15 May 2025 10:39

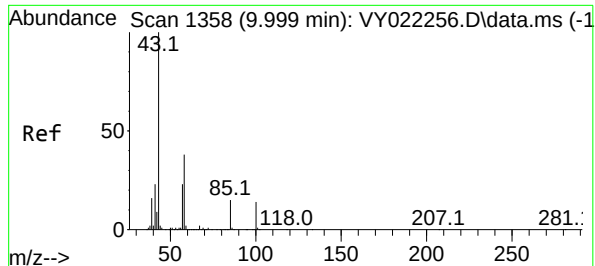
Tgt Ion: 98 Resp: 210206

Ion Ratio Lower Upper

98 100

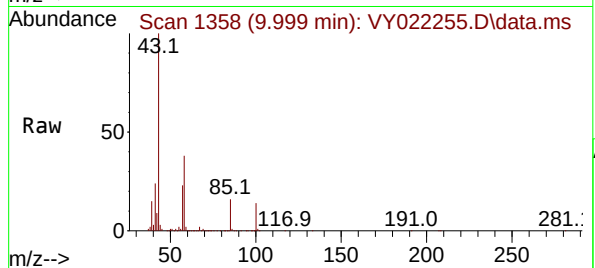
100 63.4 51.8 77.8





#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

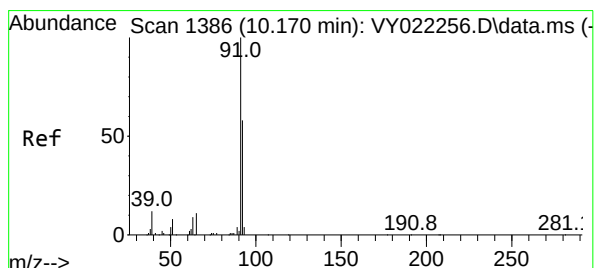
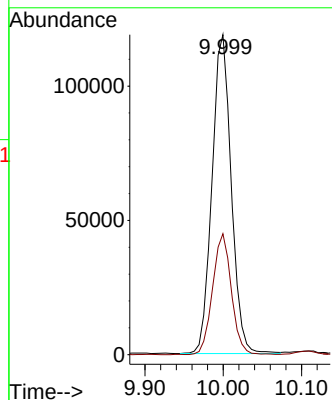
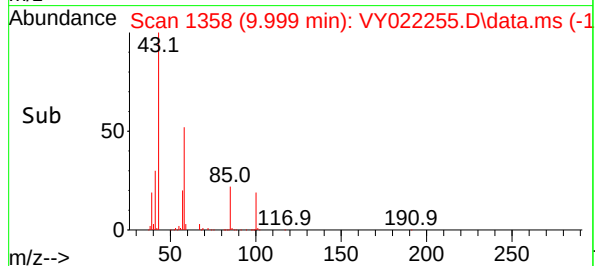
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

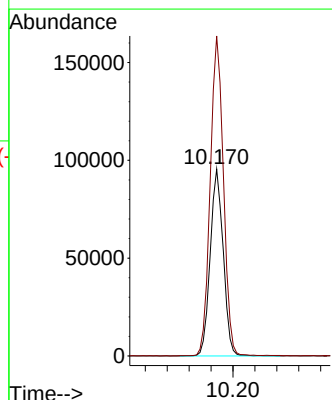
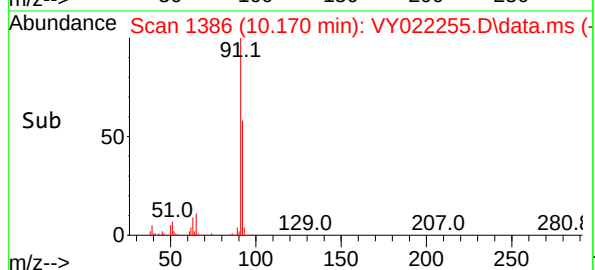
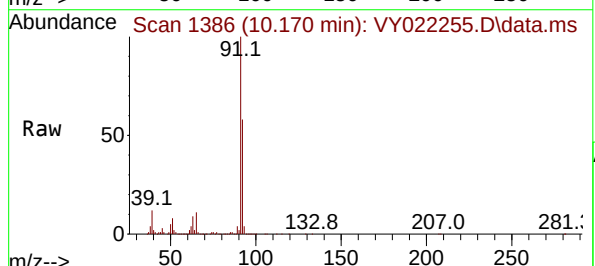
Manual Integrations
APPROVED

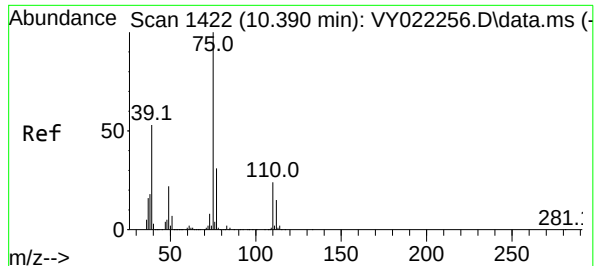
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





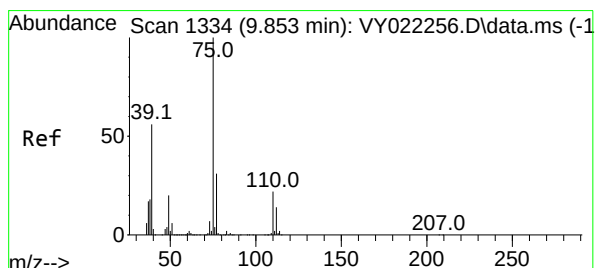
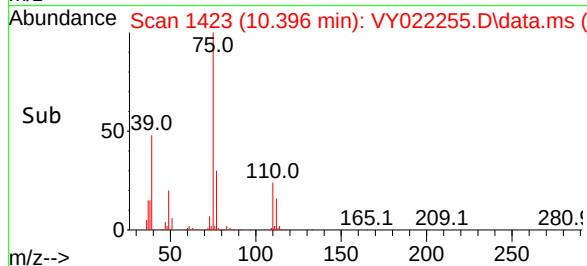
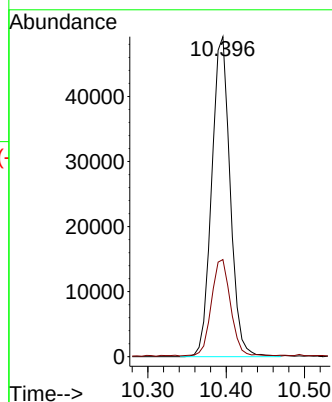
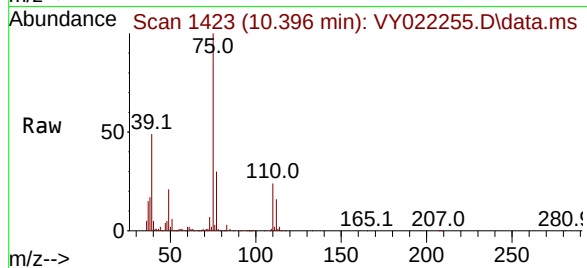
#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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

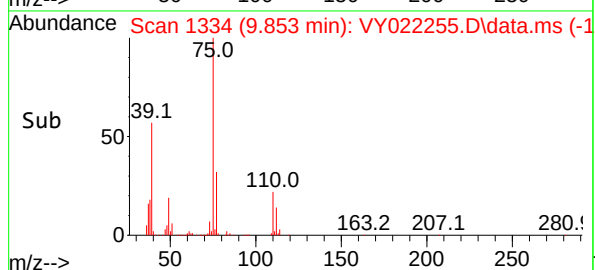
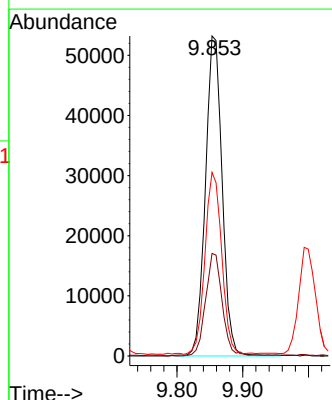
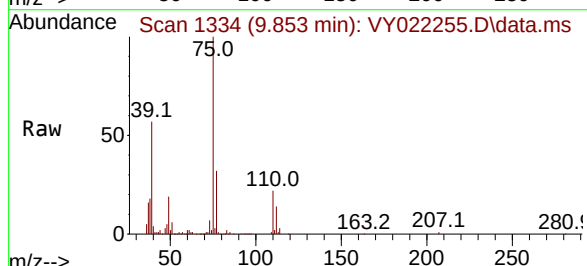
Manual Integrations
APPROVED

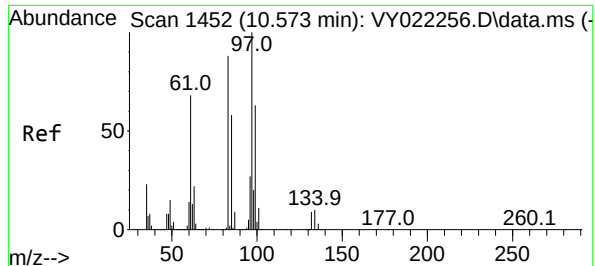
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

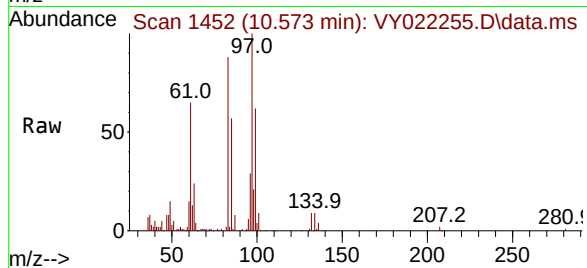
Tgt Ion: 75 Resp: 94074
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 56.6 44.5 66.7





#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

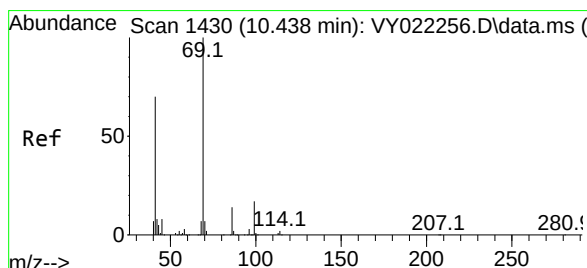
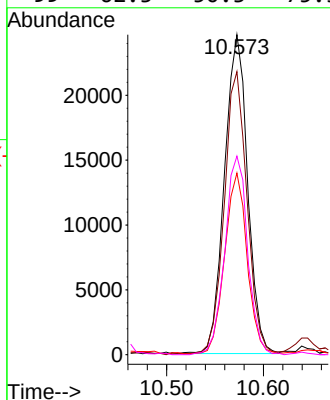
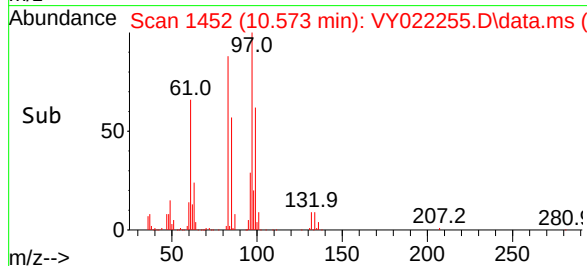
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



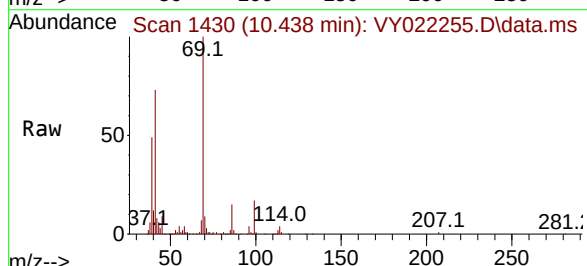
Tgt Ion: 97 Resp: 40872
Ion Ratio Lower Upper
97 100
83 88.4 70.3 105.5
85 56.5 46.2 69.4
99 62.3 50.3 75.5

Manual Integrations
APPROVED

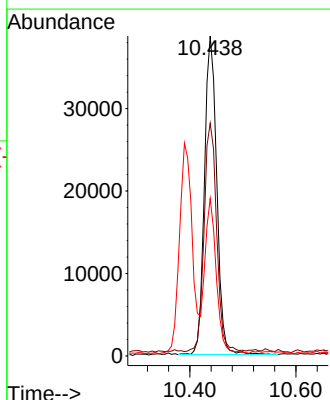
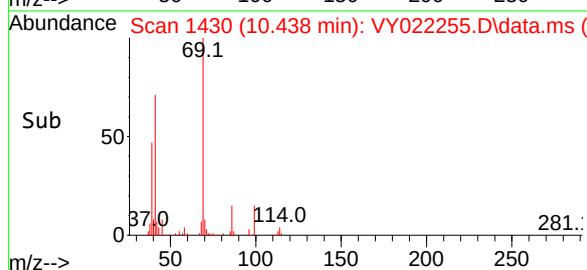
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

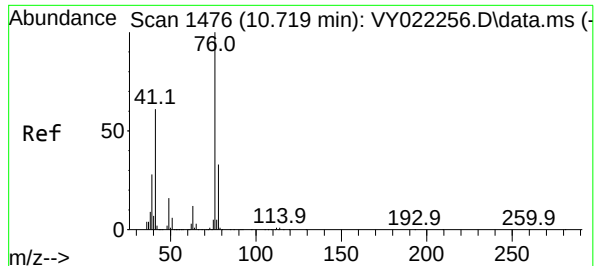


#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



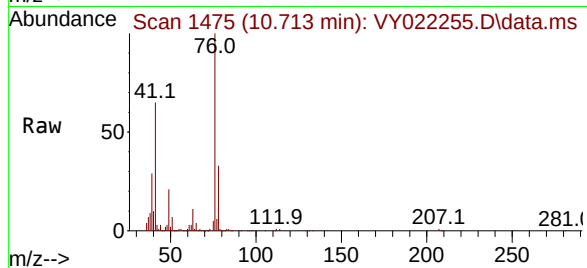
Tgt Ion: 69 Resp: 62193
Ion Ratio Lower Upper
69 100
41 73.0 56.5 84.7
39 44.2 37.1 55.7





#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

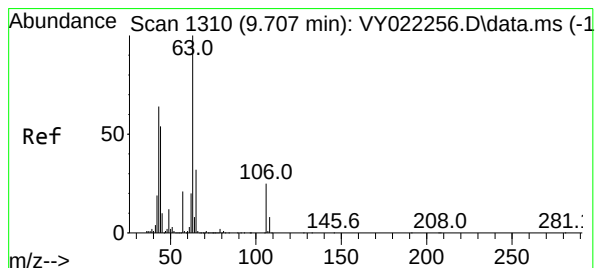
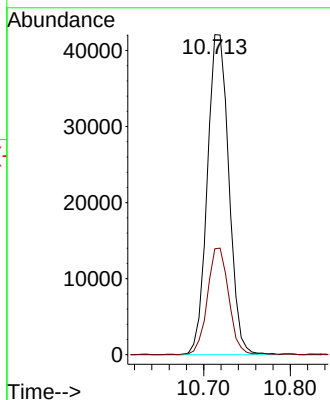
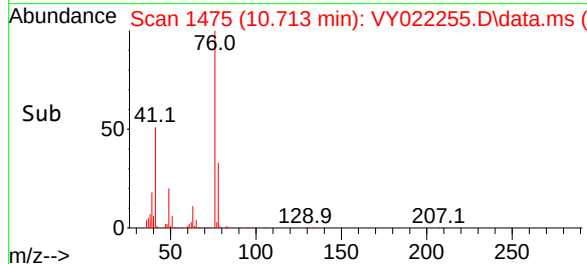
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



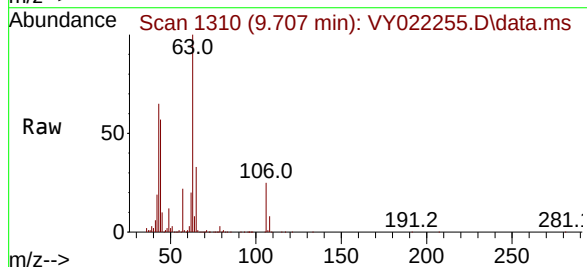
Tgt Ion: 76 Resp: 72715
Ion Ratio Lower Upper
76 100
78 33.1 25.8 38.8

Manual Integrations
APPROVED

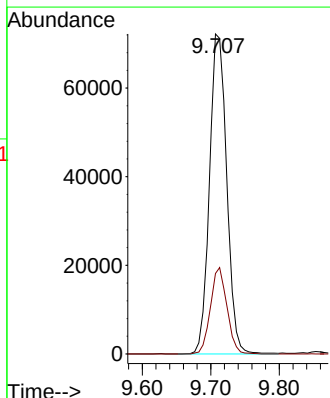
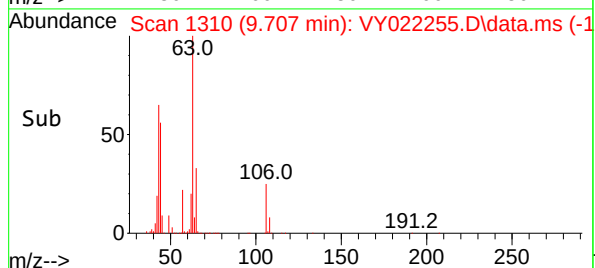
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

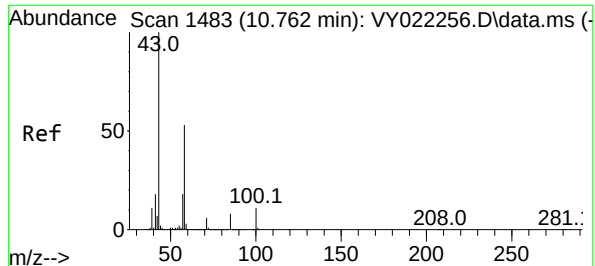


#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



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

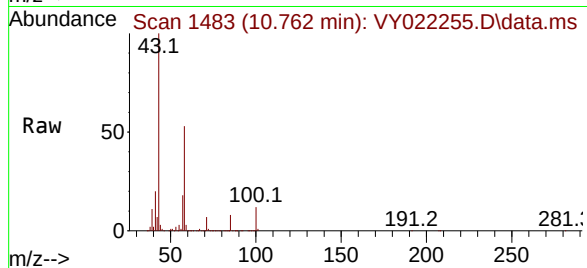
Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020



Tgt Ion: 43 Resp: 132490

Ion Ratio Lower Upper

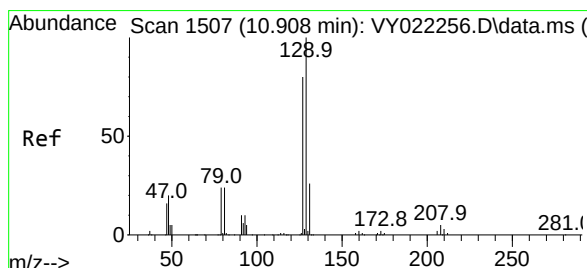
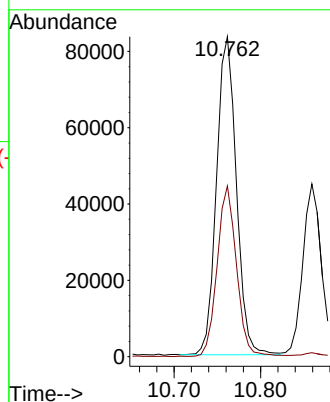
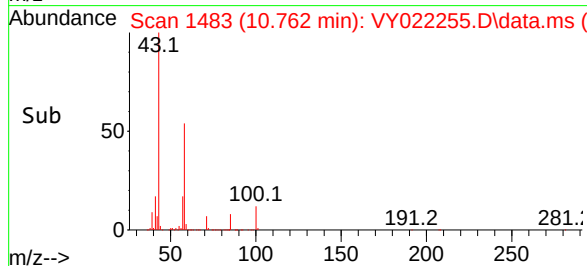
43 100

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

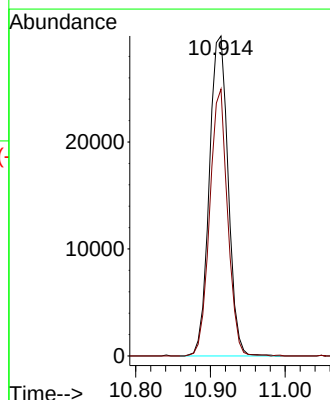
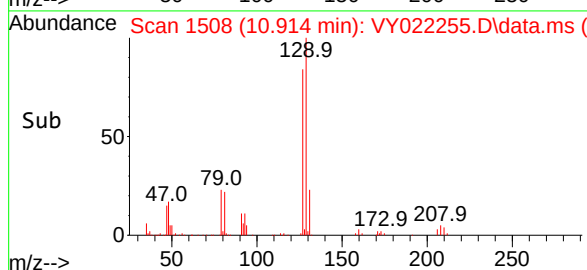
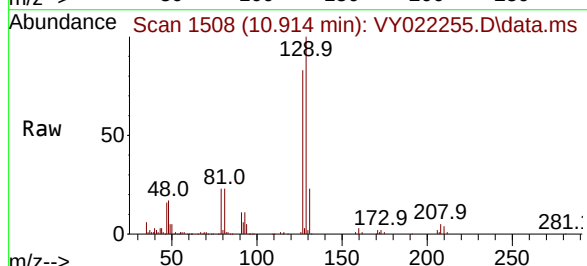
Acq: 15 May 2025 10:39

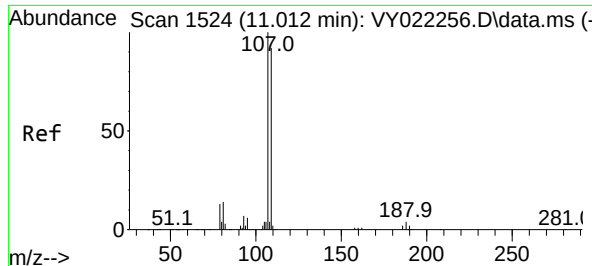
Tgt Ion:129 Resp: 52353

Ion Ratio Lower Upper

129 100

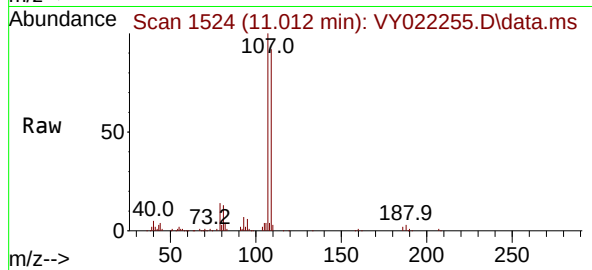
127 79.1 38.6 115.7





#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

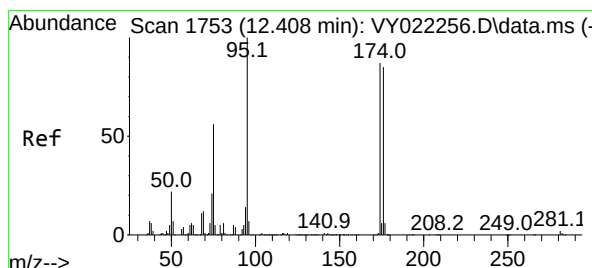
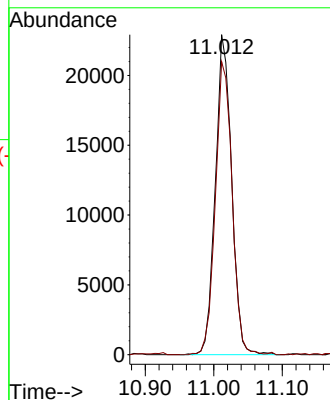
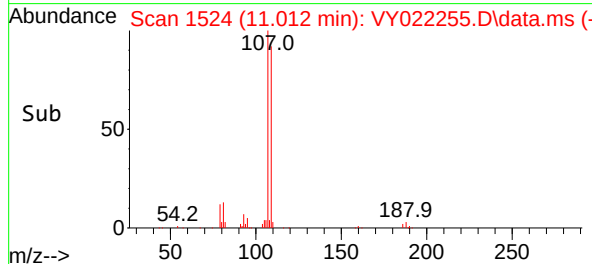
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

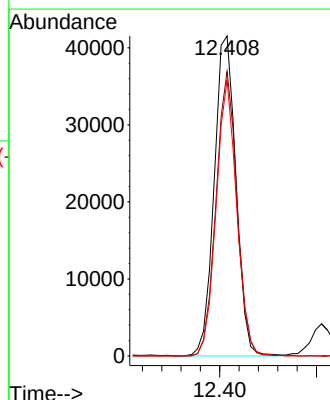
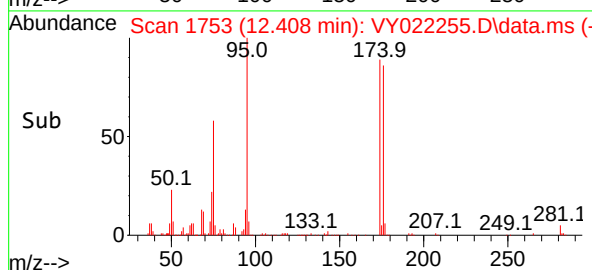
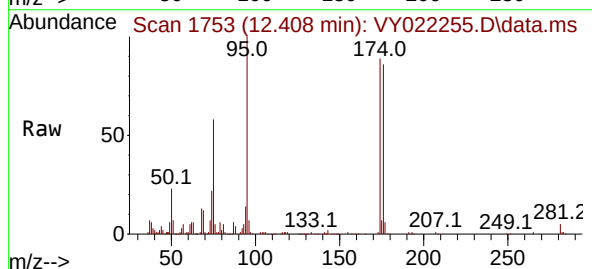
Manual Integrations
APPROVED

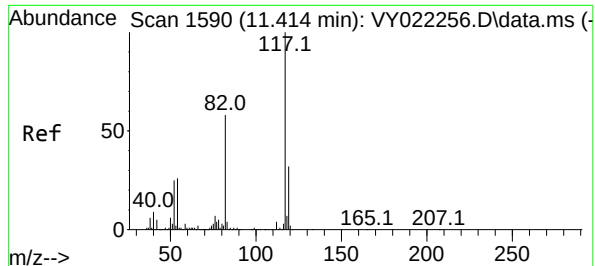
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

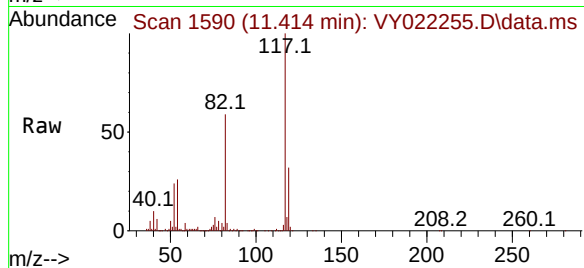
Tgt Ion: 95 Resp: 64706
Ion Ratio Lower Upper
95 100
174 85.7 0.0 166.8
176 81.3 0.0 160.8





#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

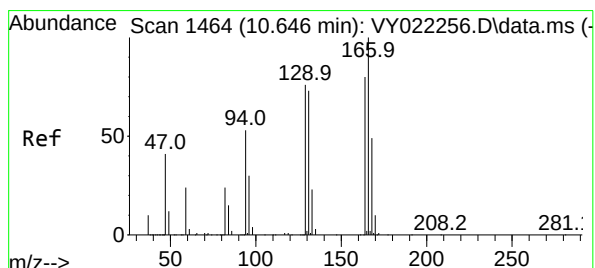
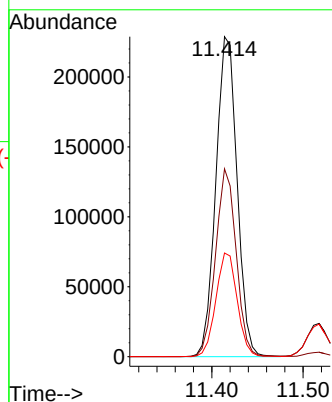
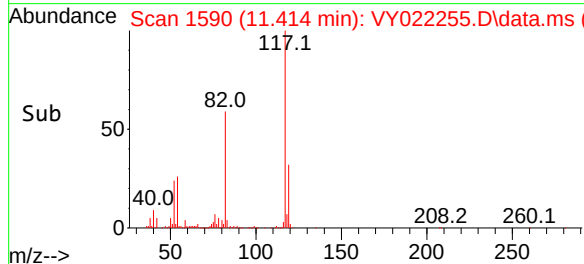
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



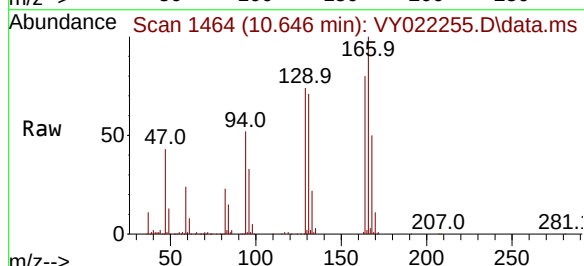
Tgt Ion:117 Resp: 370072
Ion Ratio Lower Upper
117 100
82 58.7 46.6 70.0
119 32.4 25.8 38.6

Manual Integrations
APPROVED

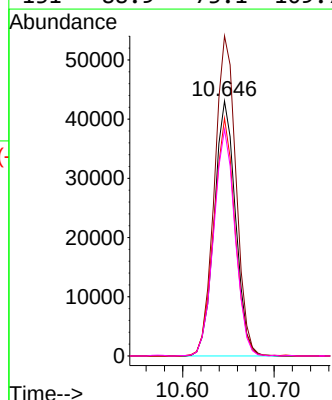
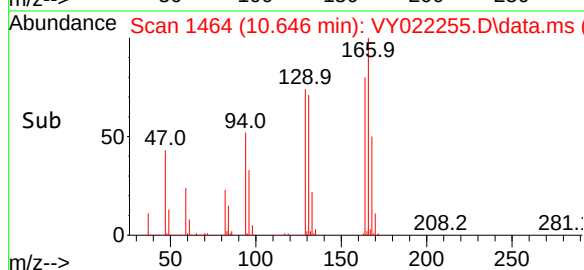
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

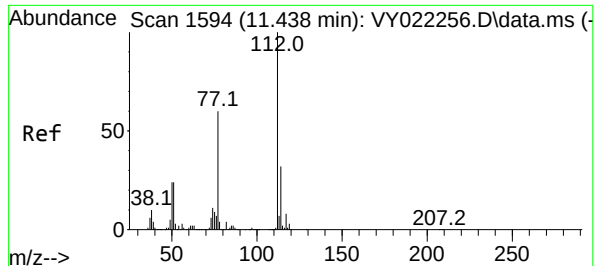


#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



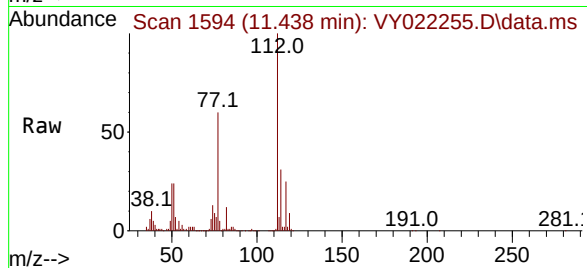
Tgt Ion:164 Resp: 69548
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 93.2 76.4 114.6
131 88.9 73.1 109.7





#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

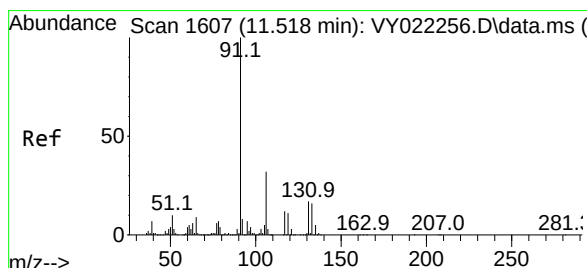
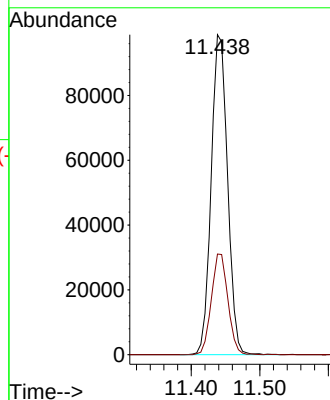
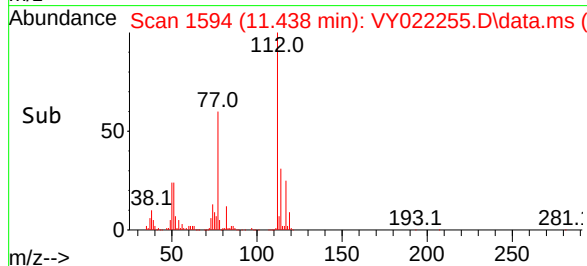
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

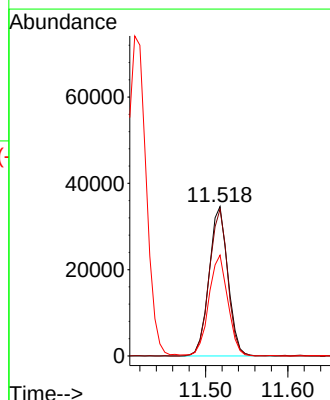
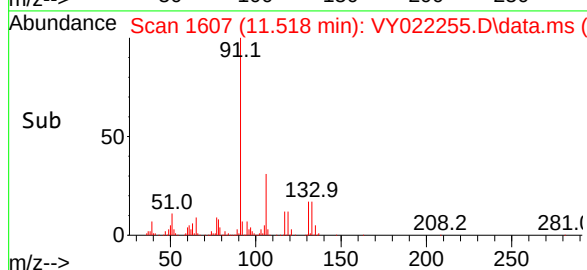
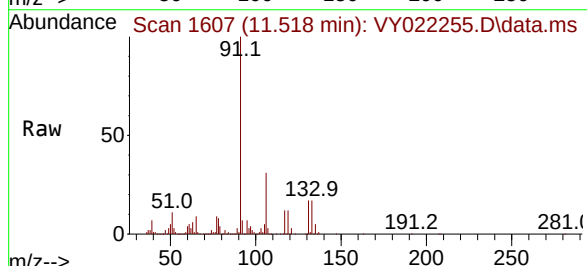
Manual Integrations
APPROVED

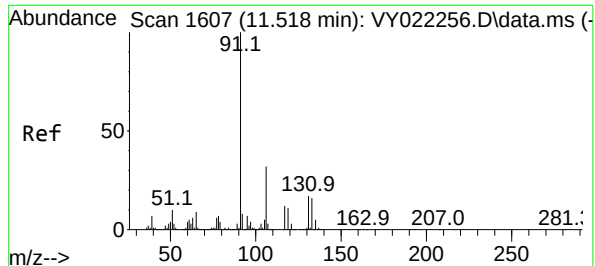
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

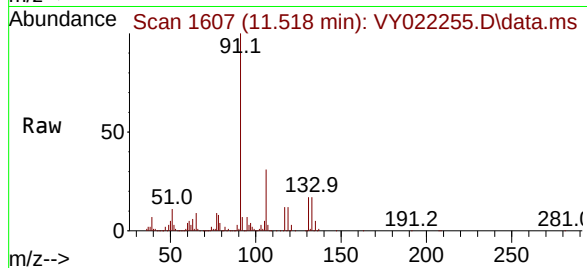
Tgt Ion:131 Resp: 55078
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.9
119 68.4 33.1 99.2





#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

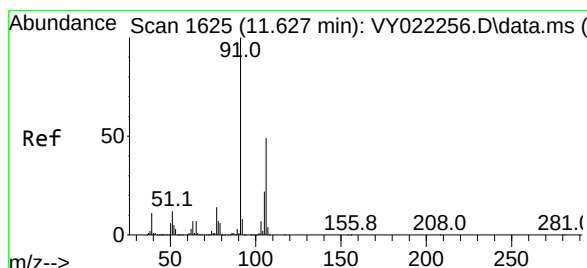
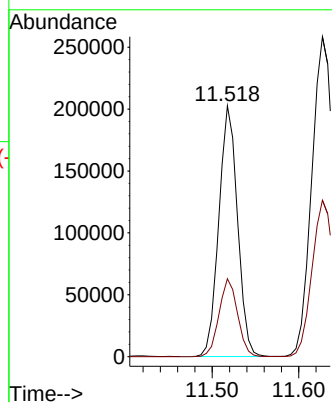
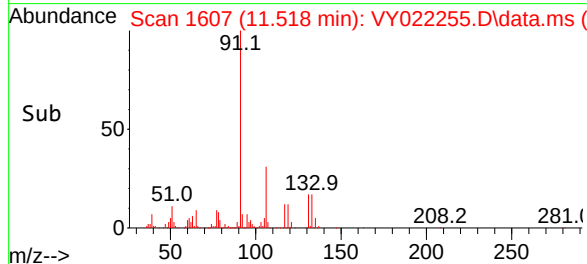
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



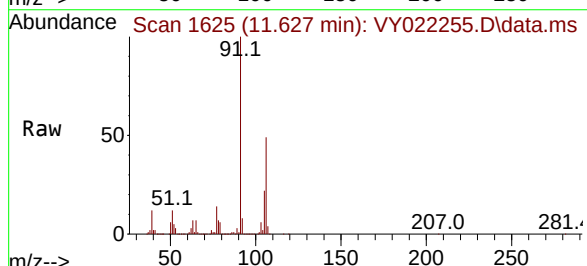
Tgt Ion: 91 Resp: 303379
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

Manual Integrations
APPROVED

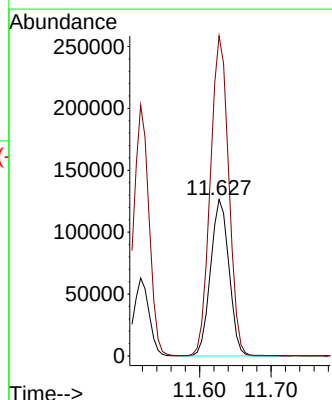
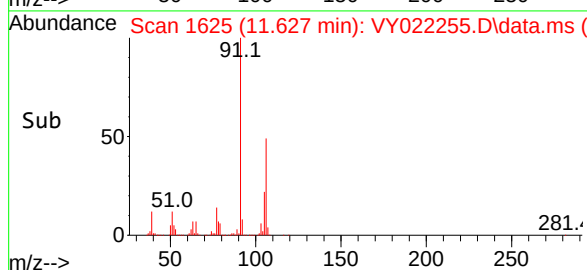
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

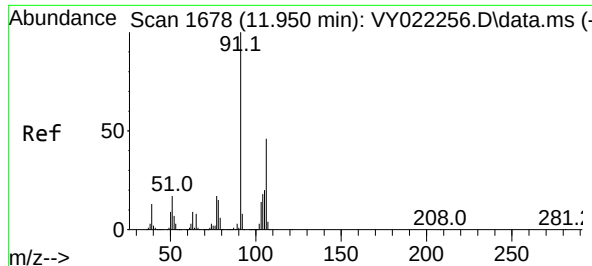


#68
m/p-Xylenes
Concen: 38.355 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



Tgt Ion:106 Resp: 225990
Ion Ratio Lower Upper
106 100
91 204.2 163.0 244.4





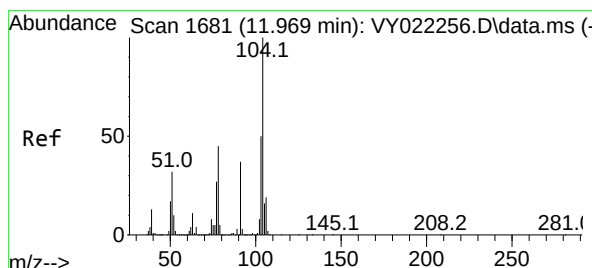
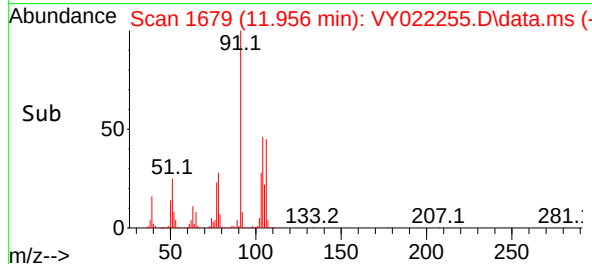
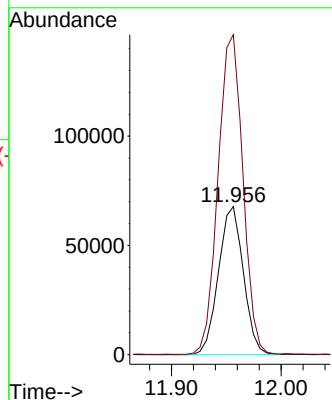
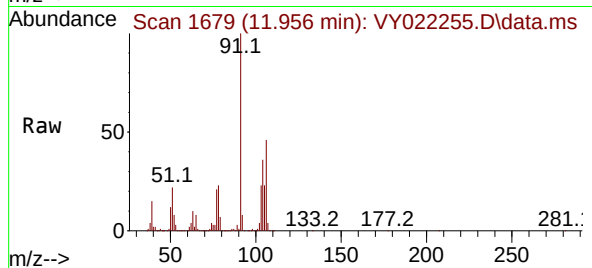
#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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

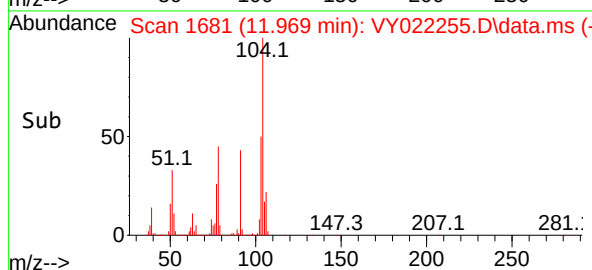
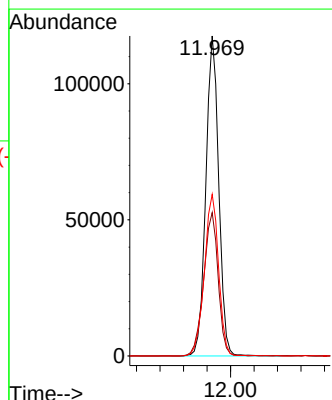
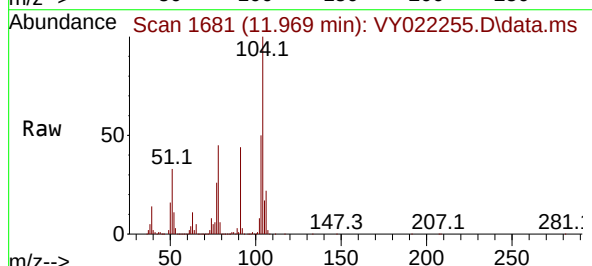
Manual Integrations
APPROVED

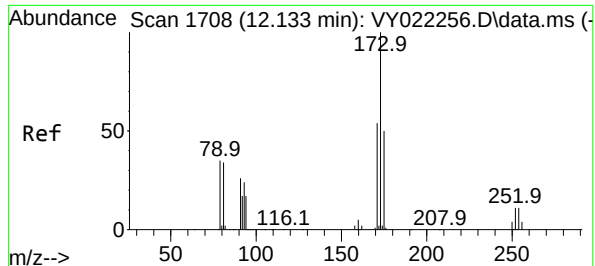
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

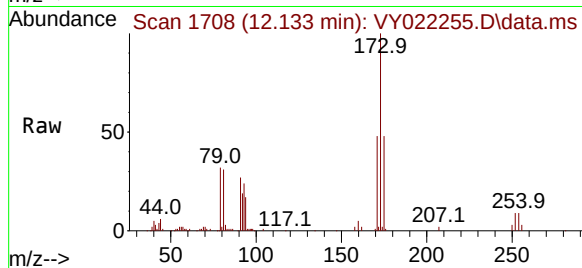
Tgt Ion:104 Resp: 179114
Ion Ratio Lower Upper
104 100
78 50.3 40.9 61.3
103 55.7 43.7 65.5





#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

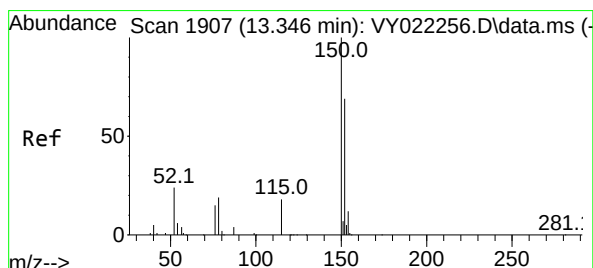
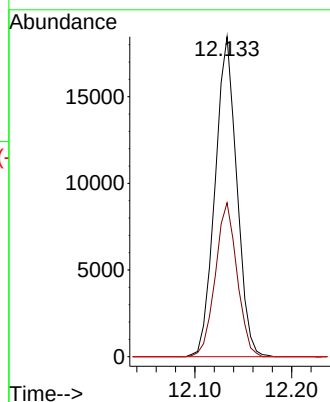
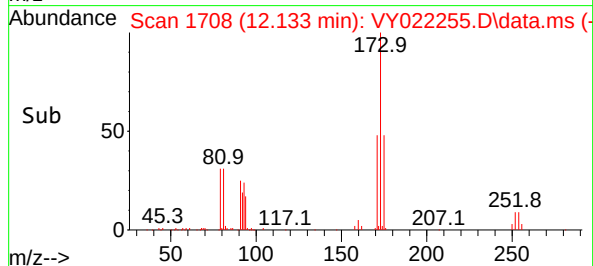
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



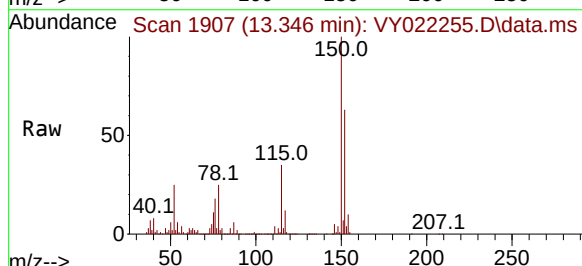
Tgt Ion:173 Resp: 28788
Ion Ratio Lower Upper
173 100
175 48.0 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

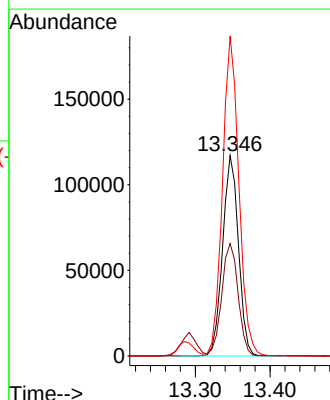
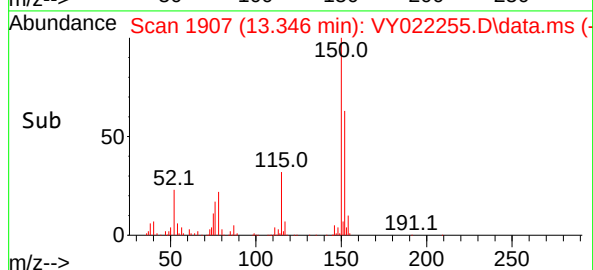
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

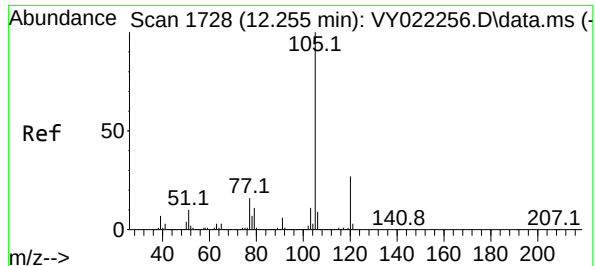


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



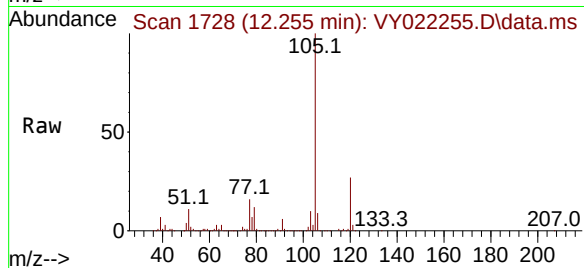
Tgt Ion:152 Resp: 172509
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 165.2 0.0 353.8





#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

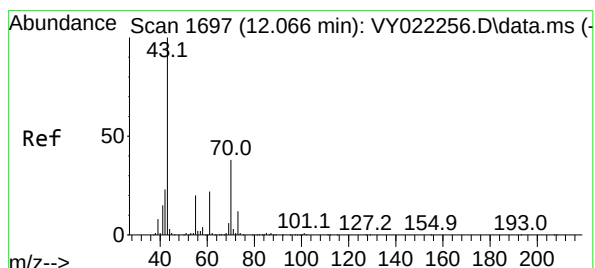
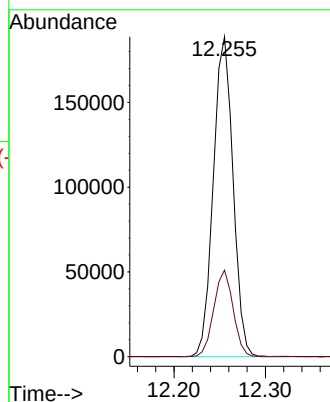
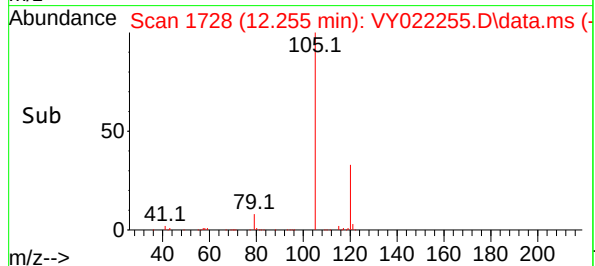
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

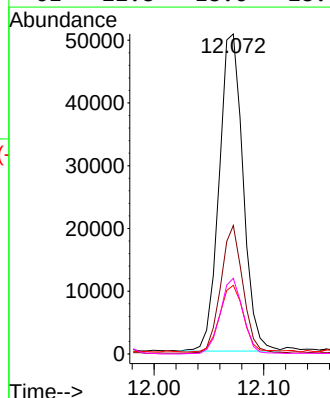
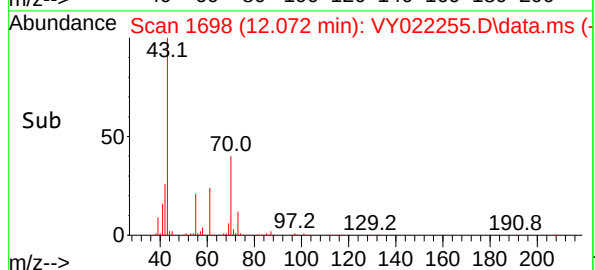
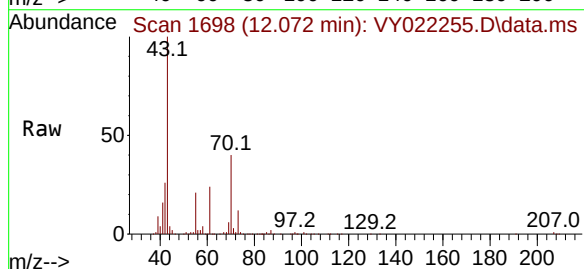
Manual Integrations
APPROVED

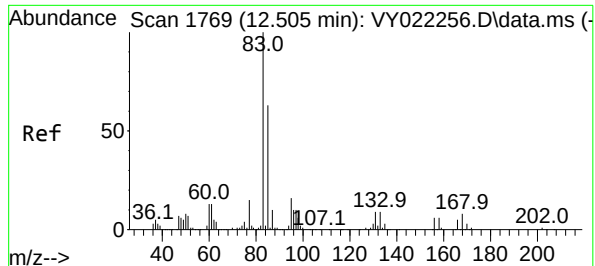
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

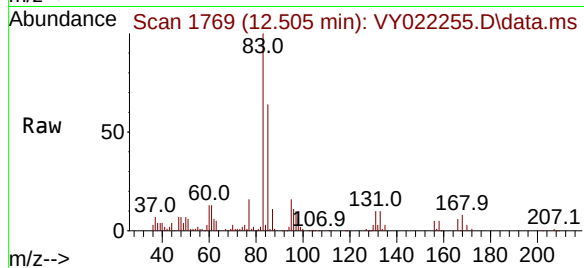
Tgt Ion: 43 Resp: 76841
Ion Ratio Lower Upper
43 100
70 37.3 31.4 47.0
55 21.3 17.0 25.6
61 22.8 18.6 28.0





#75
1,1,2,2-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

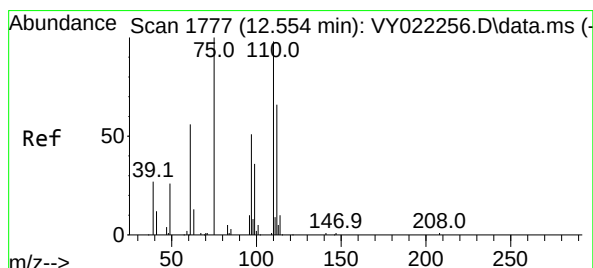
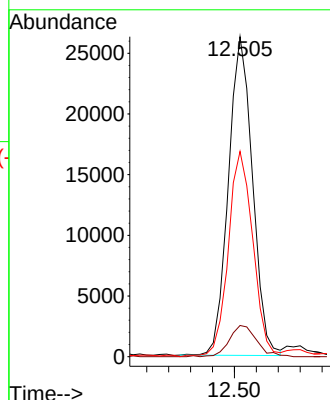
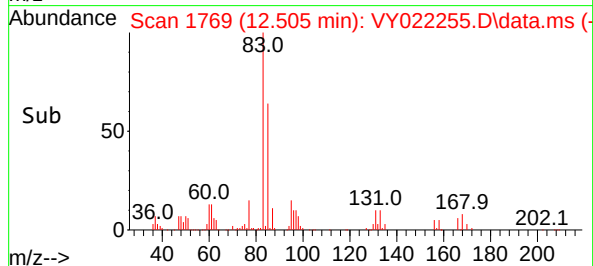
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

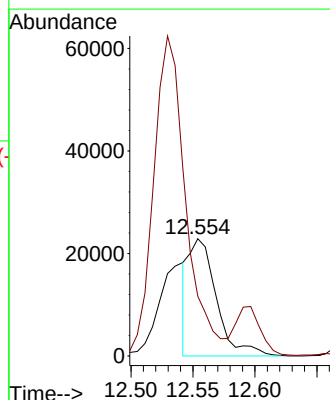
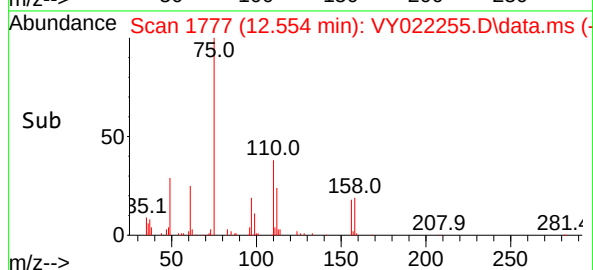
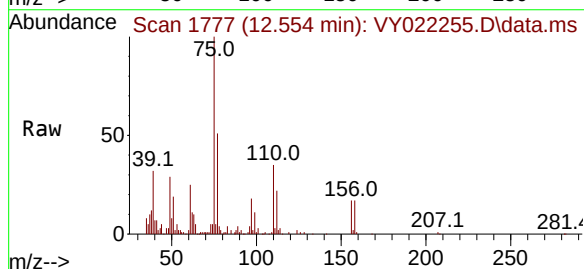
Manual Integrations
APPROVED

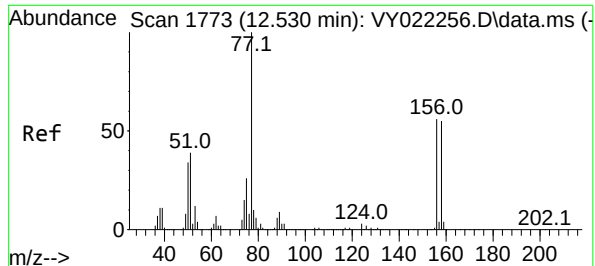
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

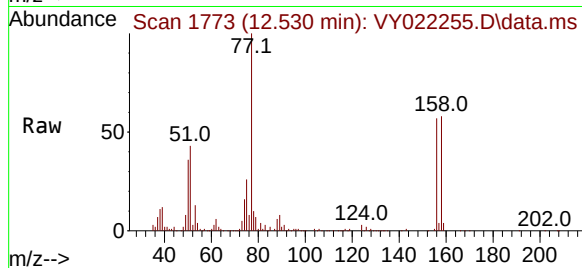
Tgt Ion: 75 Resp: 35574
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

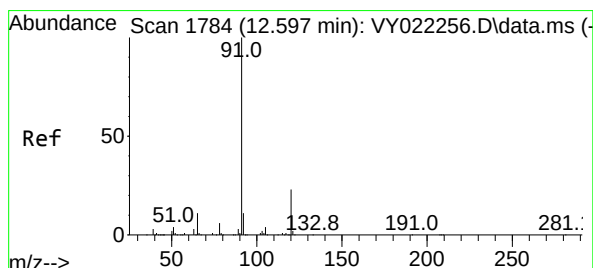
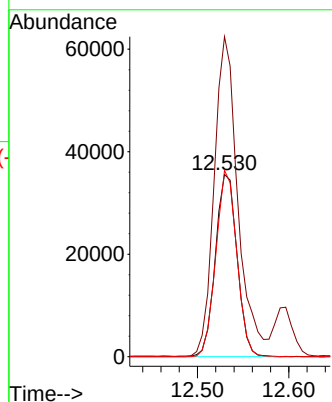
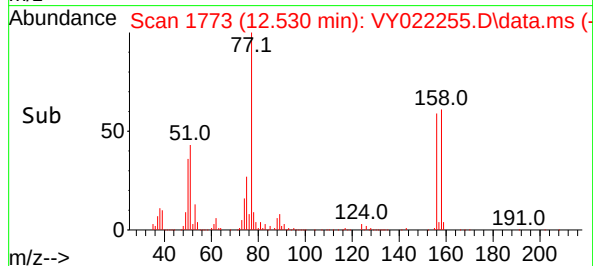
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



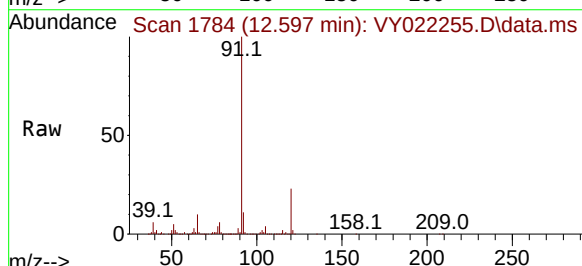
Tgt Ion: 156 Resp: 5851
Ion Ratio Lower Upper
156 100
77 190.6 94.5 283.6
158 99.0 48.4 145.3

Manual Integrations
APPROVED

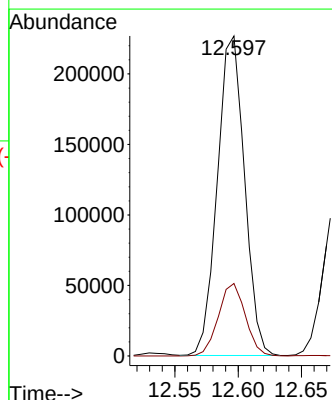
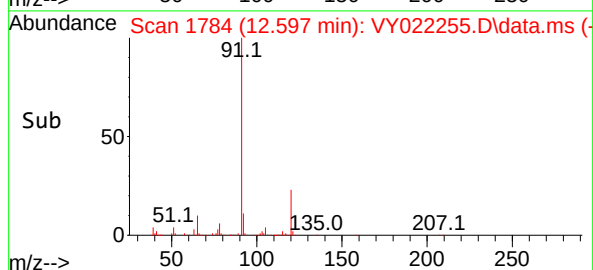
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

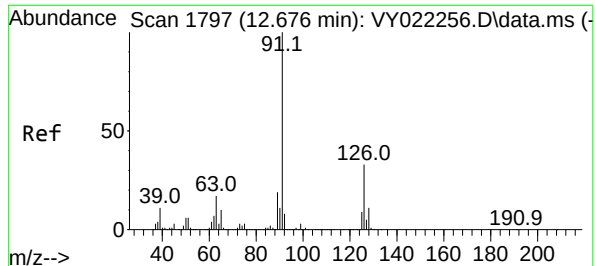


#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



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





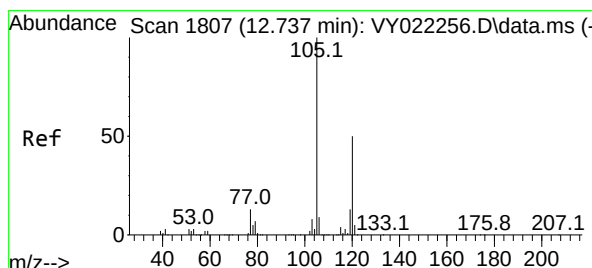
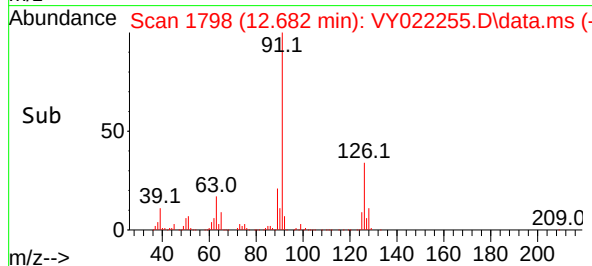
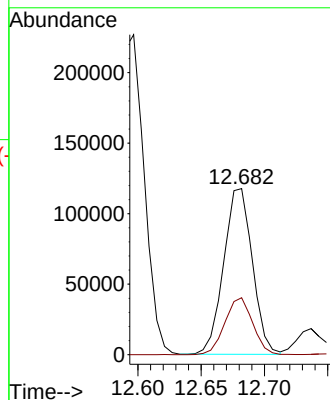
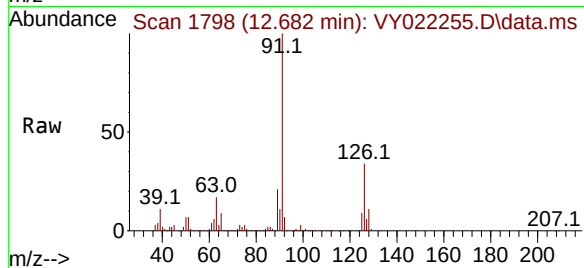
#79
2-Chlorotoluene
Concen: 19.621 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 185872
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.4

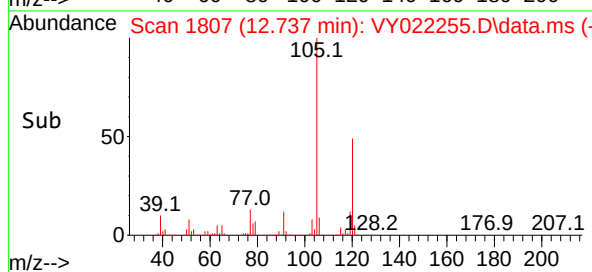
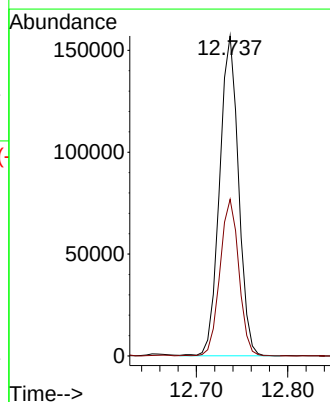
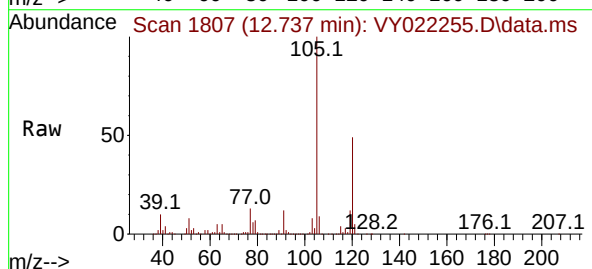
Manual Integrations
APPROVED

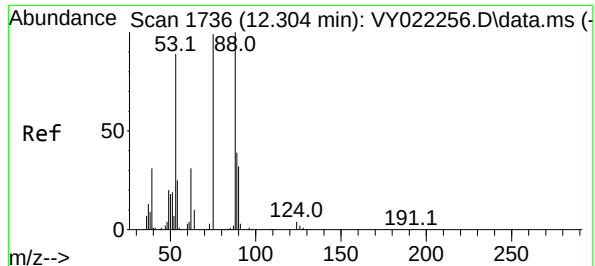
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

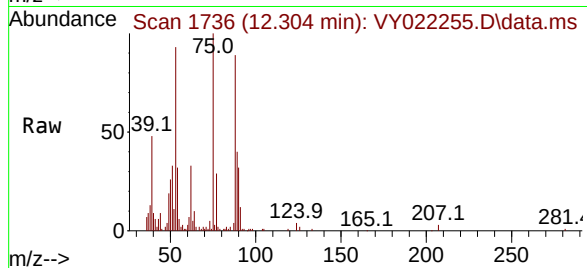
Tgt Ion:105 Resp: 225966
Ion Ratio Lower Upper
105 100
120 48.9 24.2 72.6





#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

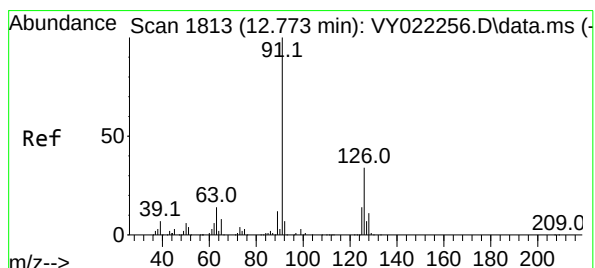
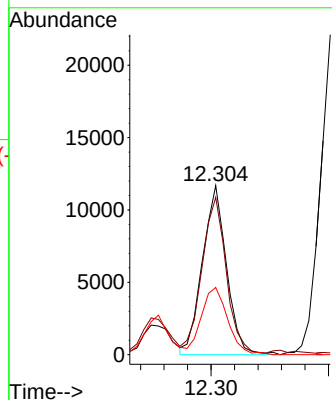
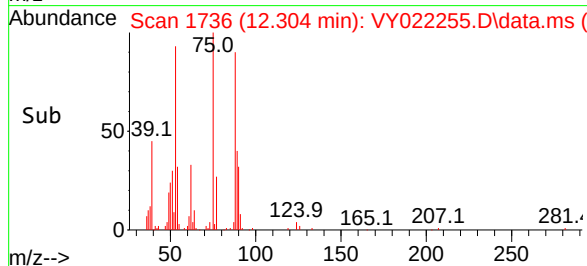
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

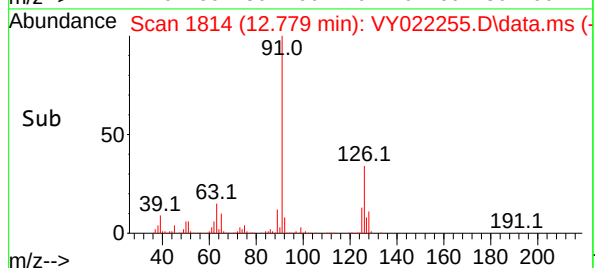
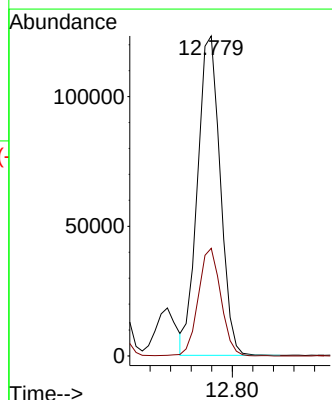
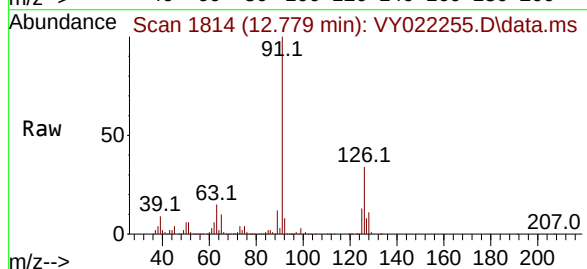
Manual Integrations
APPROVED

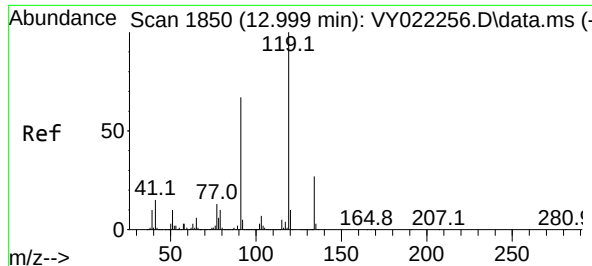
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

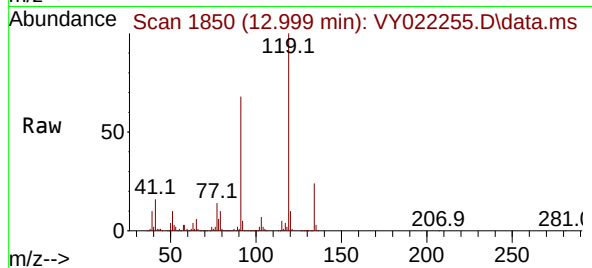
Acq: 15 May 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020



Tgt Ion:119 Resp: 20010

Ion Ratio Lower Upper

119 100

91 66.3 32.8 98.3

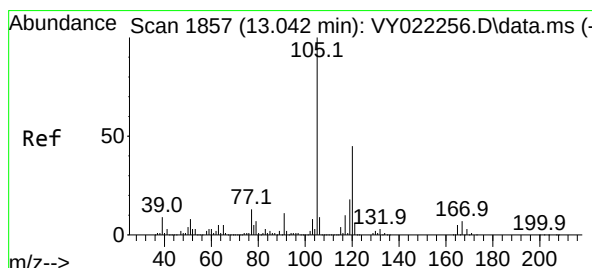
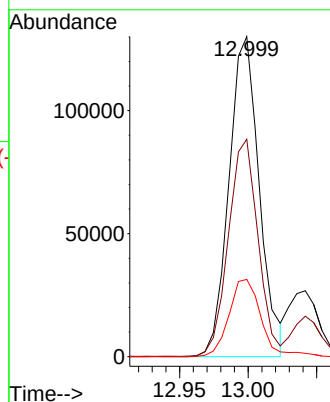
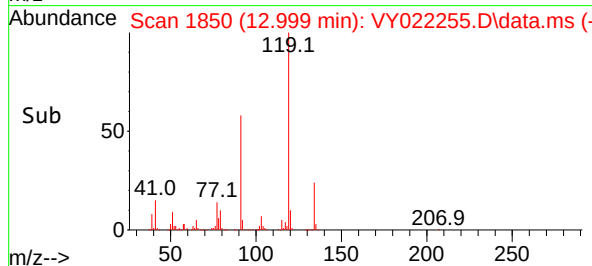
134 25.6 12.9 38.6

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

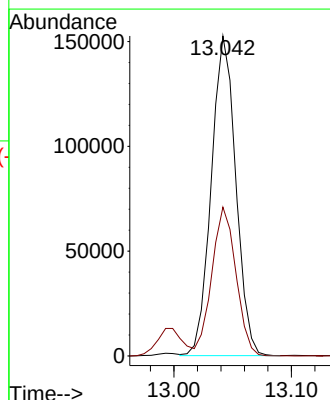
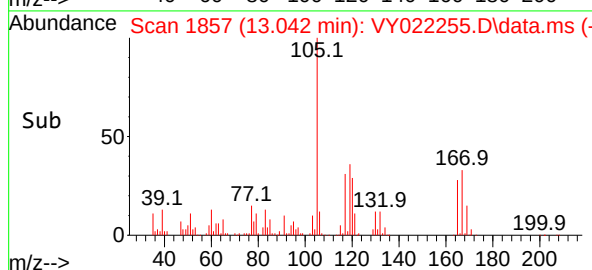
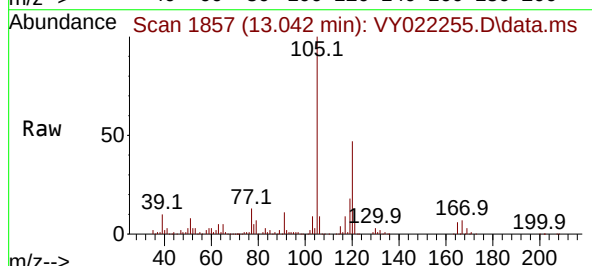
Acq: 15 May 2025 10:39

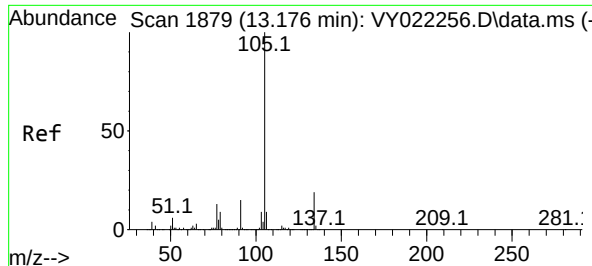
Tgt Ion:105 Resp: 221194

Ion Ratio Lower Upper

105 100

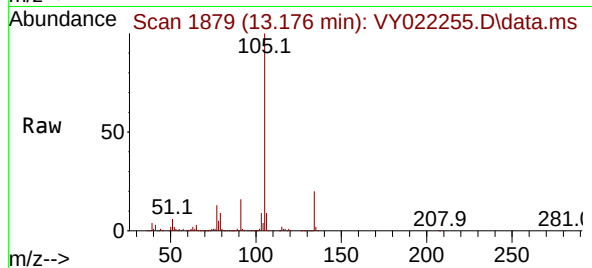
120 45.9 22.3 66.9





#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

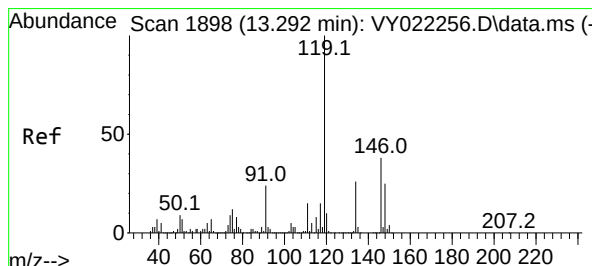
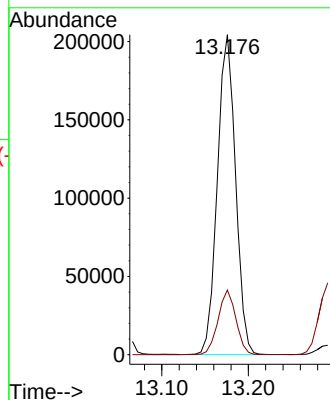
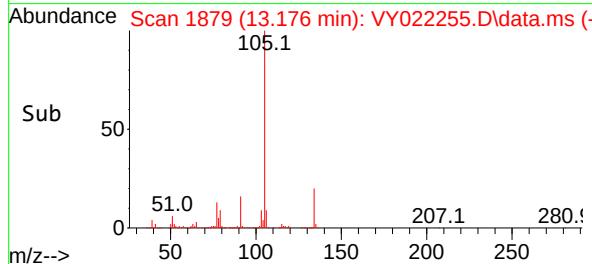
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

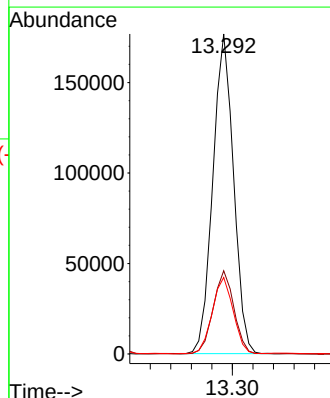
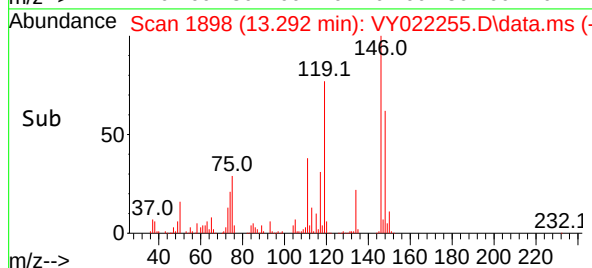
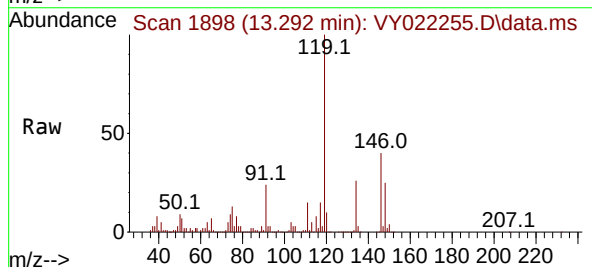
Manual Integrations
APPROVED

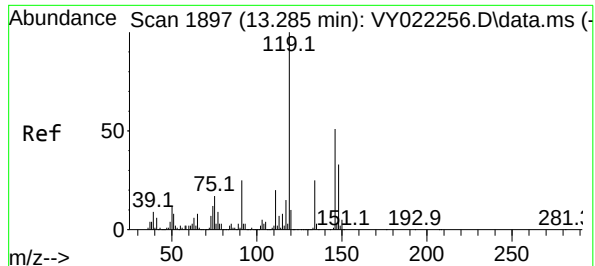
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

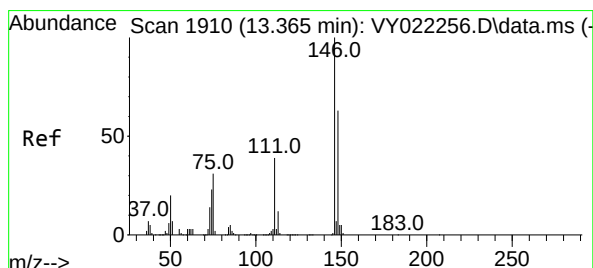
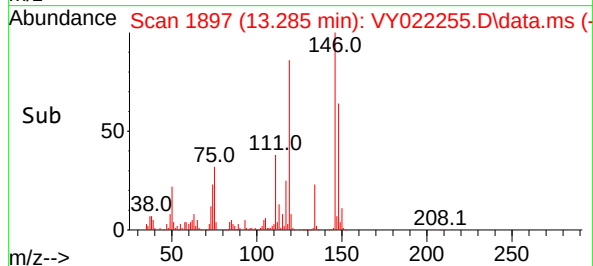
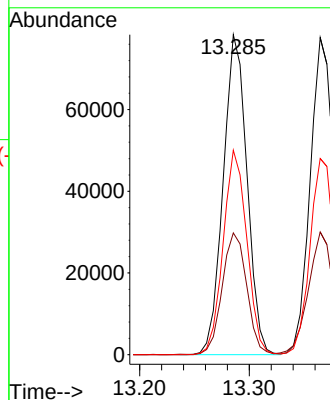
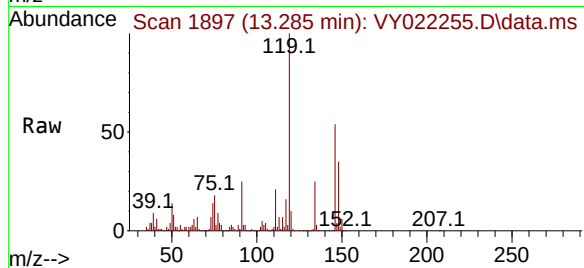
148 63.4 31.9 95.7

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

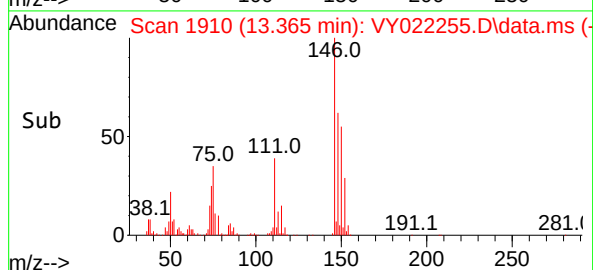
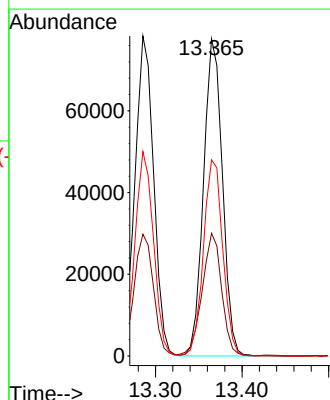
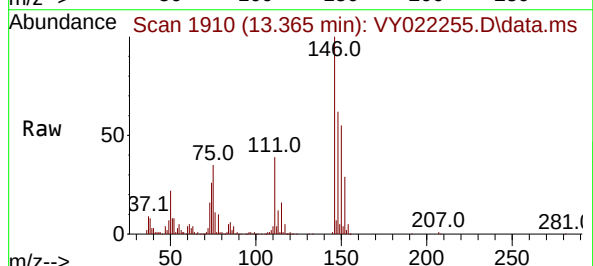
Tgt Ion:146 Resp: 117705

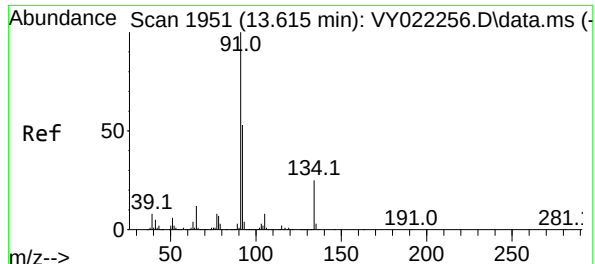
Ion Ratio Lower Upper

146 100

111 39.8 20.0 59.9

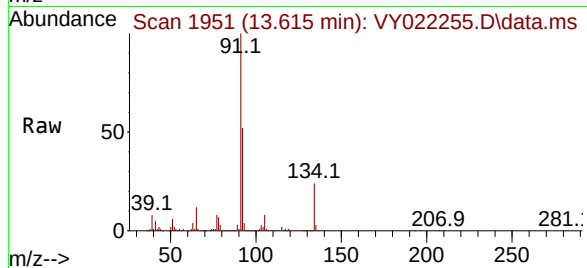
148 63.3 32.1 96.5





#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

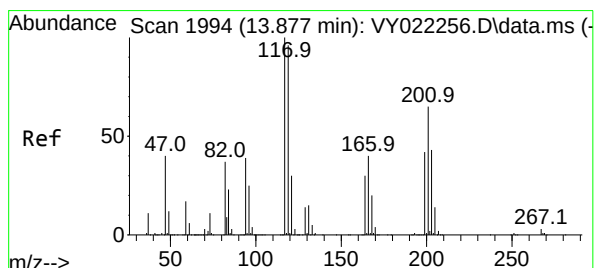
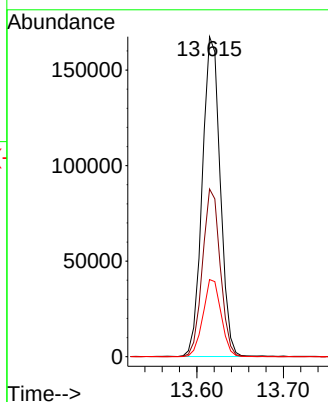
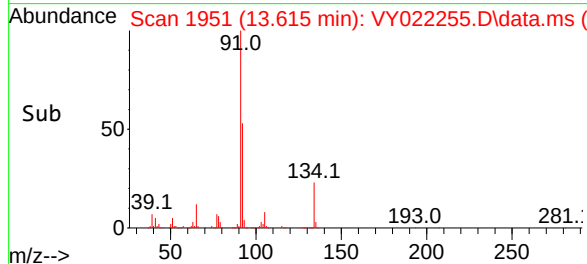
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

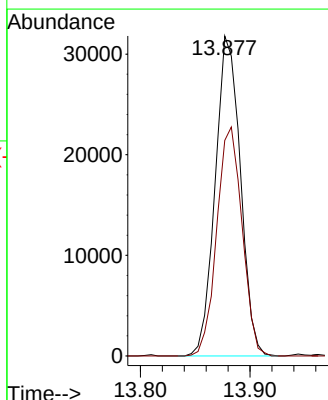
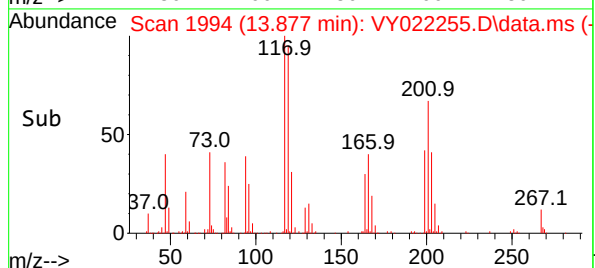
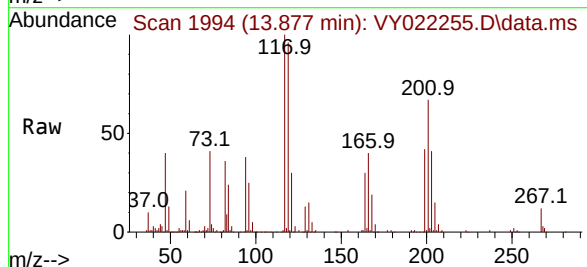
Manual Integrations
APPROVED

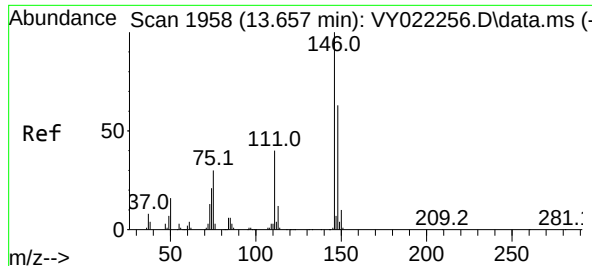
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

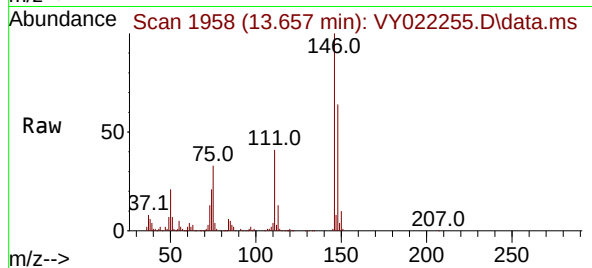
Tgt Ion:117 Resp: 50762
Ion Ratio Lower Upper
117 100
201 72.0 35.2 105.6





#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

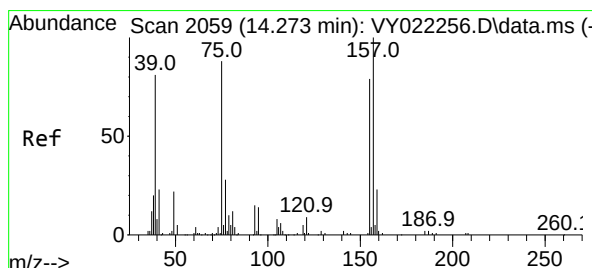
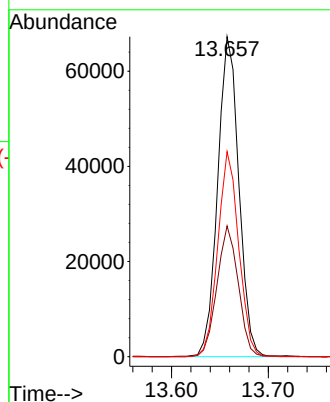
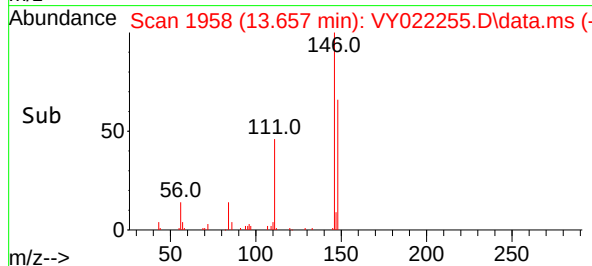
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



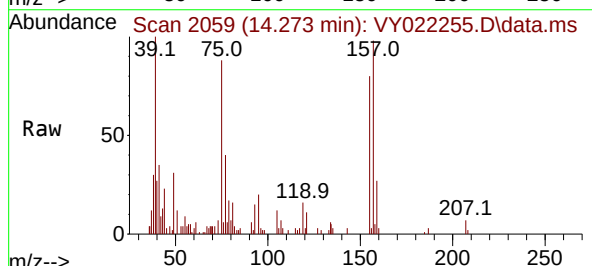
Tgt Ion:146 Resp: 10207
Ion Ratio Lower Upper
146 100
111 41.4 20.5 61.5
148 63.2 32.0 96.0

Manual Integrations
APPROVED

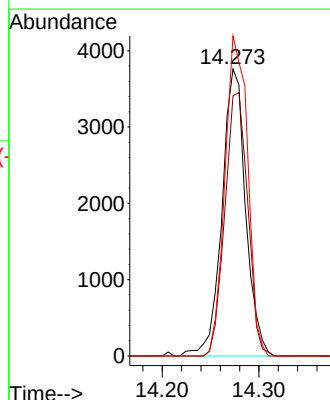
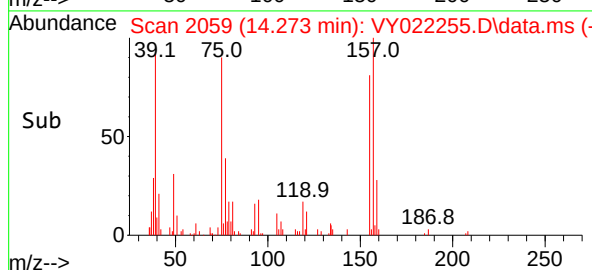
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

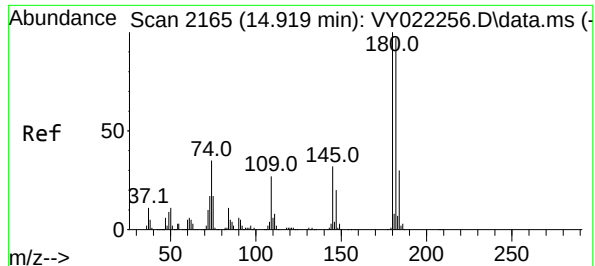


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39



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

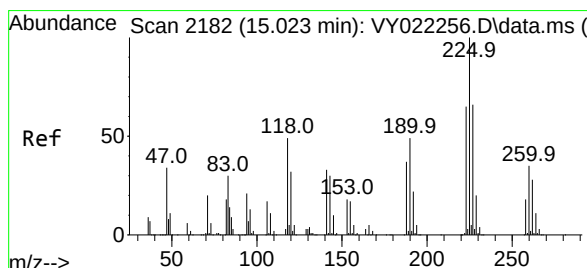
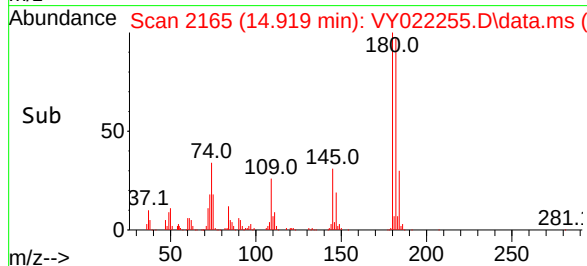
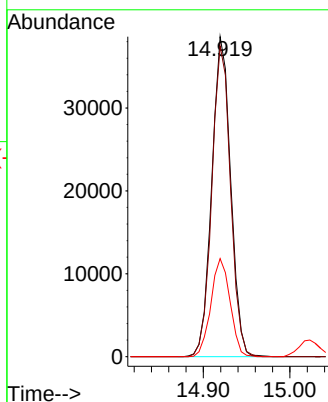
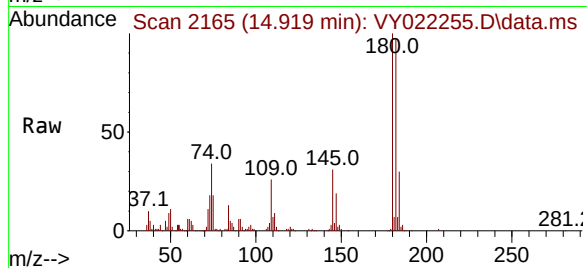
182 95.9 48.0 144.0

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

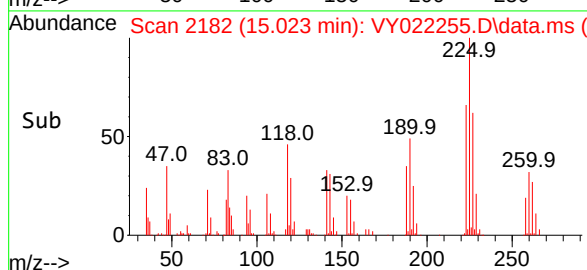
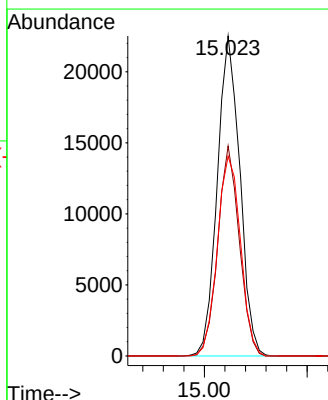
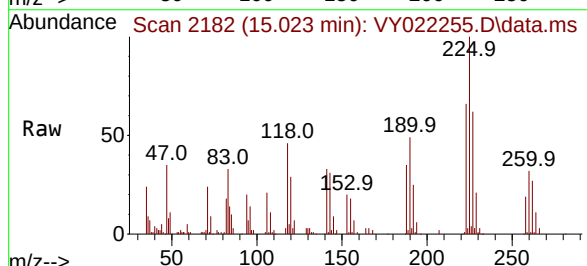
Tgt Ion:225 Resp: 34228

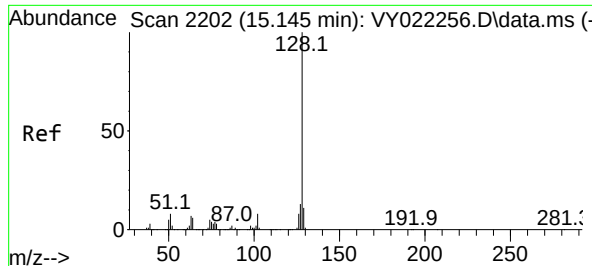
Ion Ratio Lower Upper

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

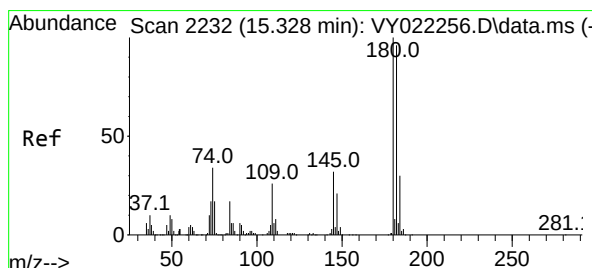
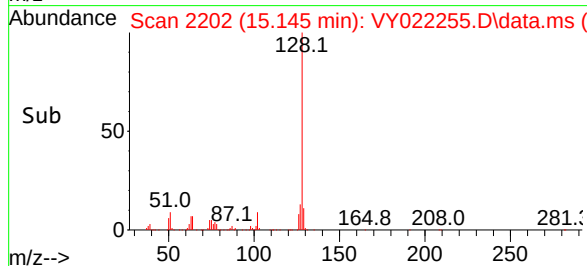
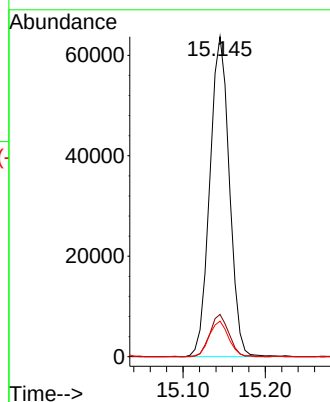
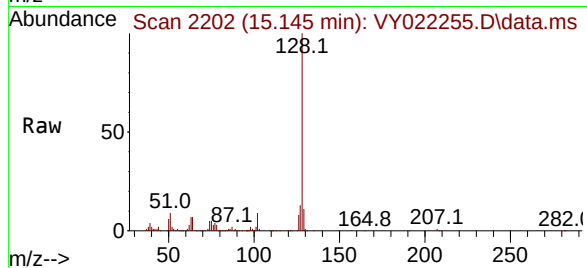
128 100

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

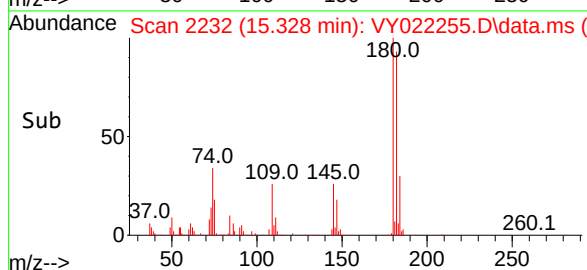
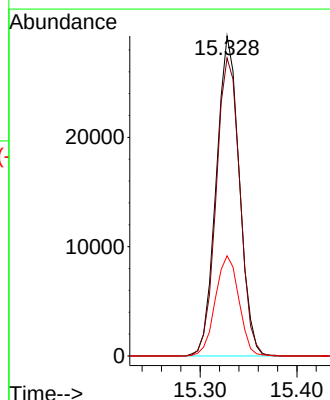
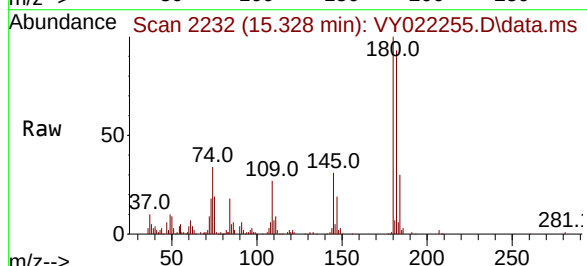
Tgt Ion:180 Resp: 48444

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

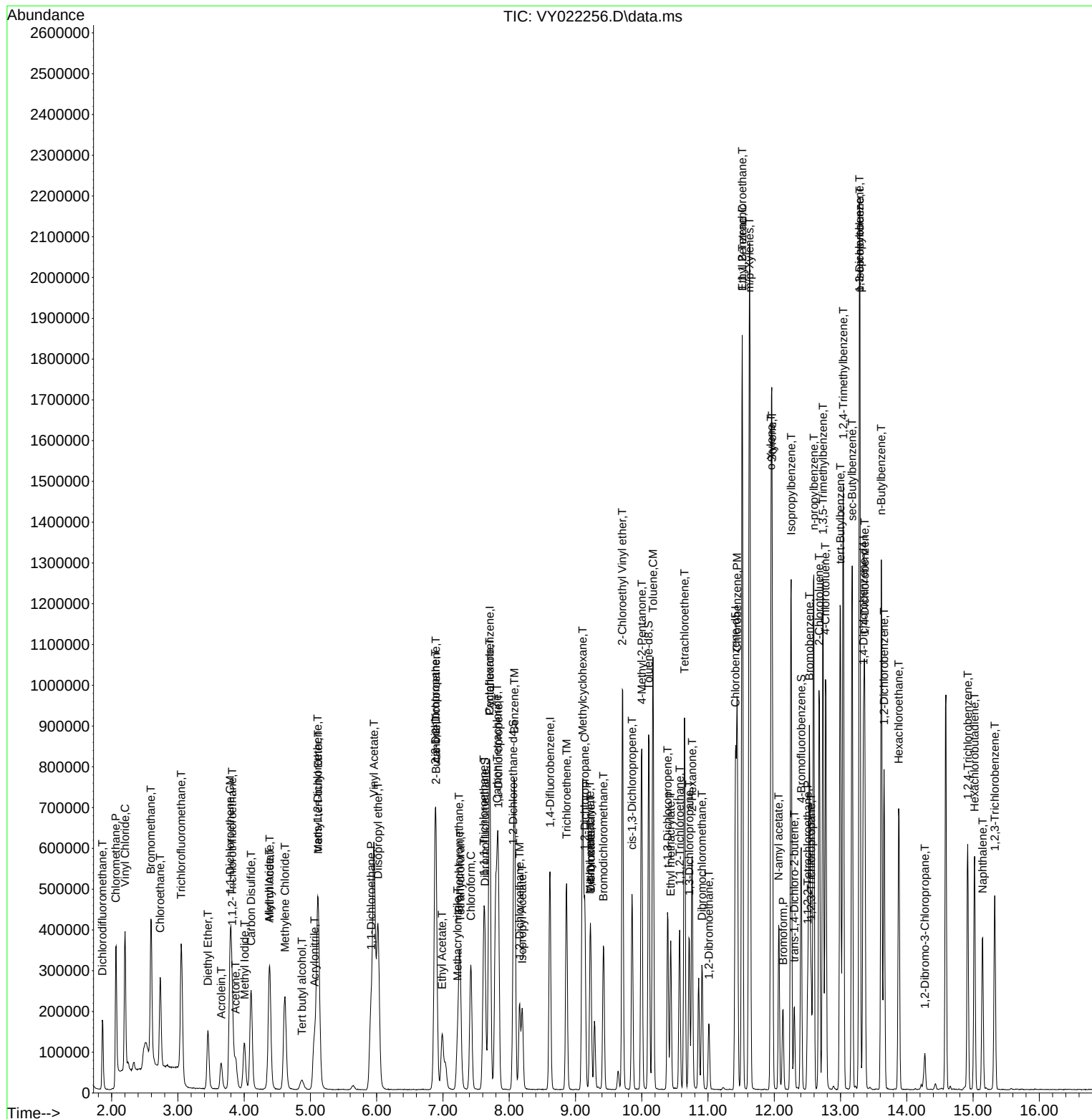
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022256.D
 Acq On : 15 May 2025 11:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

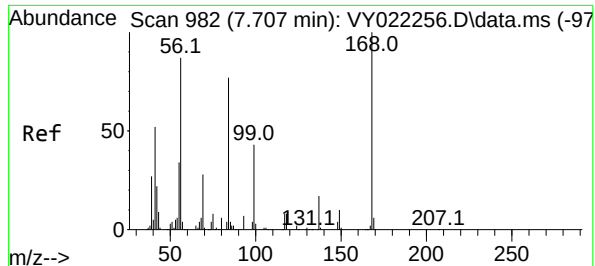
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

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

Manual Integrations APPROVED

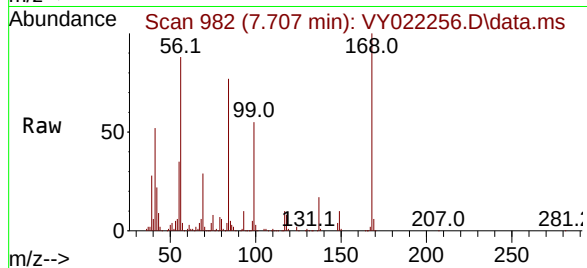
Reviewed By : Mahesh Dadoda 05/16/2025
 Supervised By : Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

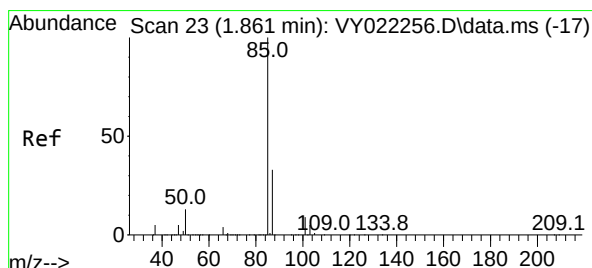
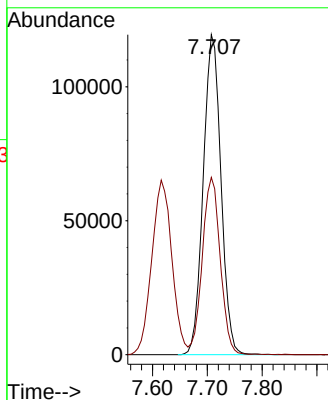
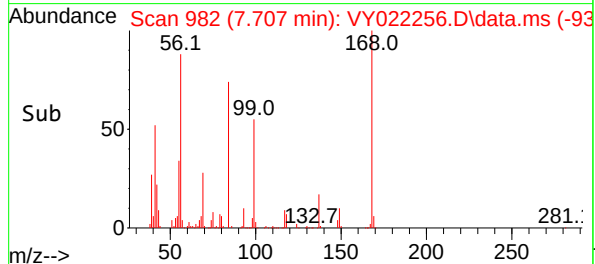
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

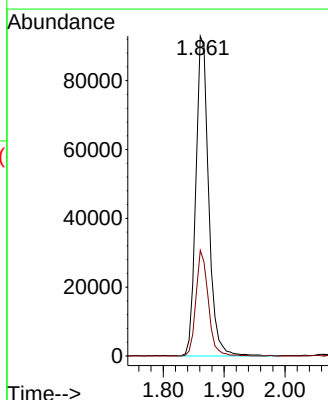
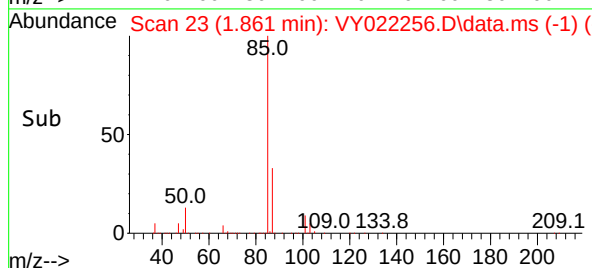
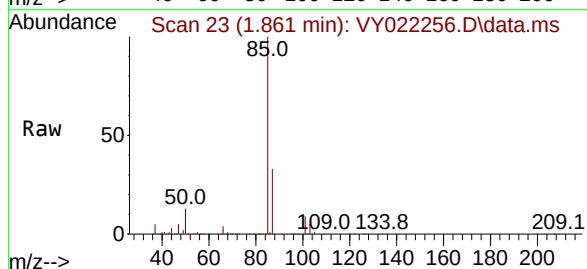
Manual Integrations
APPROVED

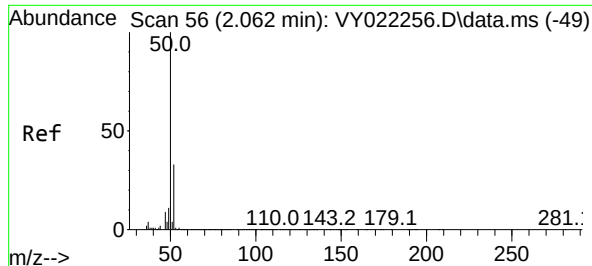
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

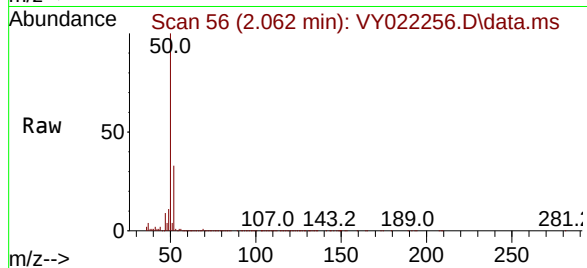
Tgt Ion: 85 Resp: 135726
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





#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

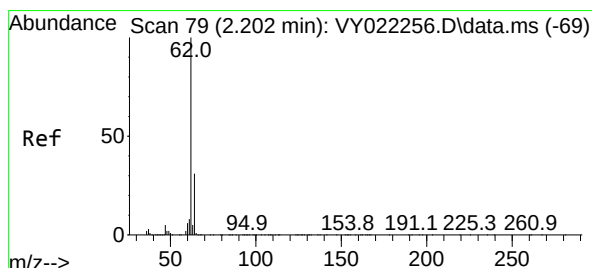
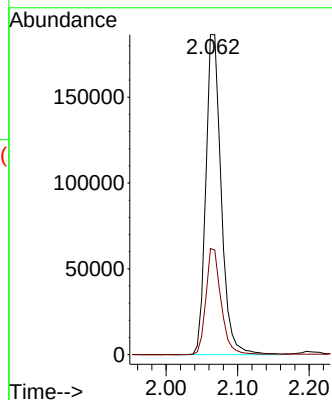
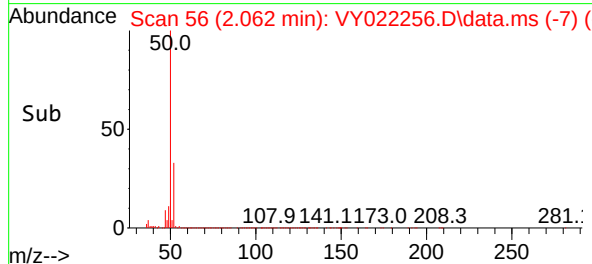
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

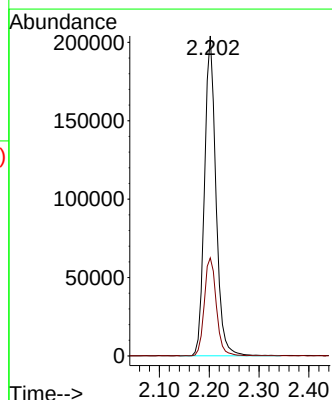
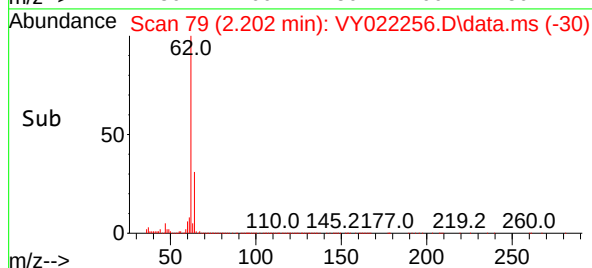
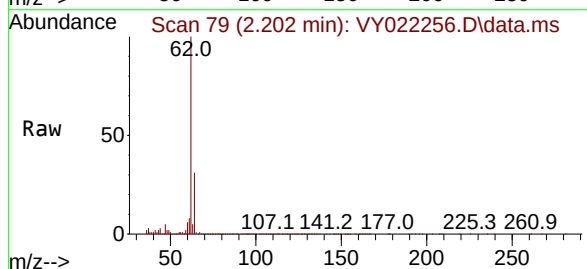
Manual Integrations
APPROVED

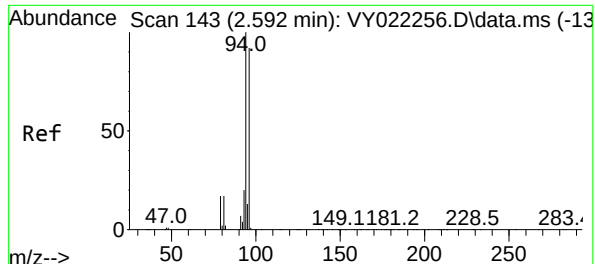
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

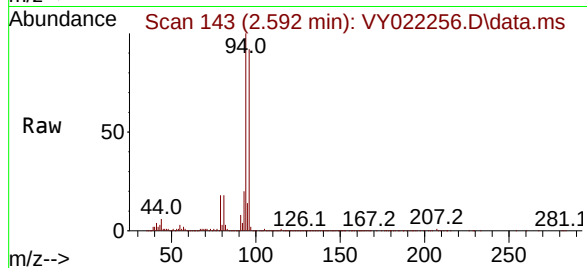
Tgt Ion: 62 Resp: 323792
Ion Ratio Lower Upper
62 100
64 30.6 24.5 36.7





#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

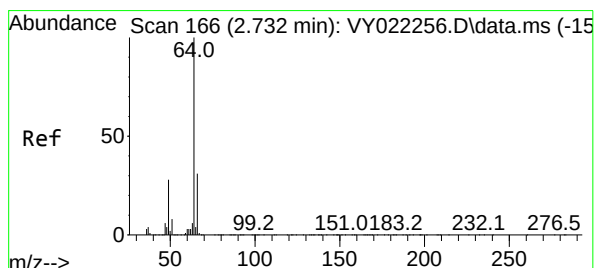
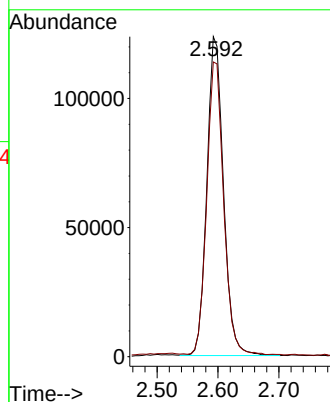
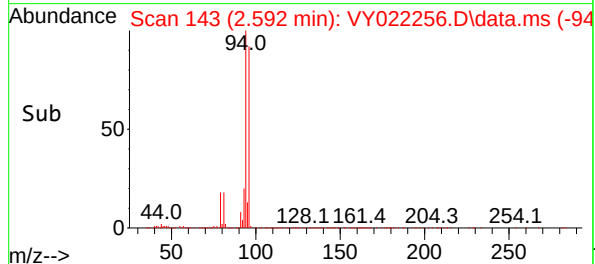
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

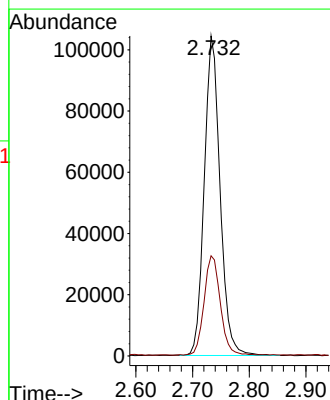
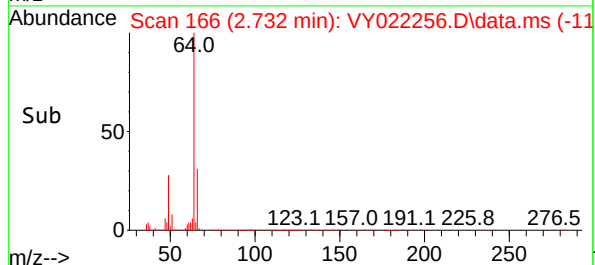
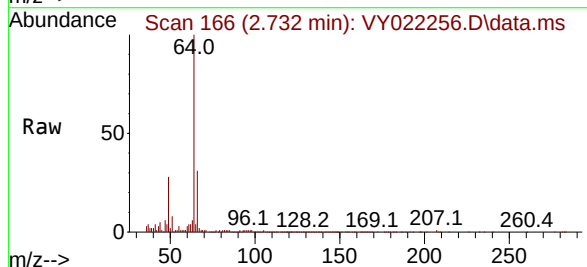
Manual Integrations
APPROVED

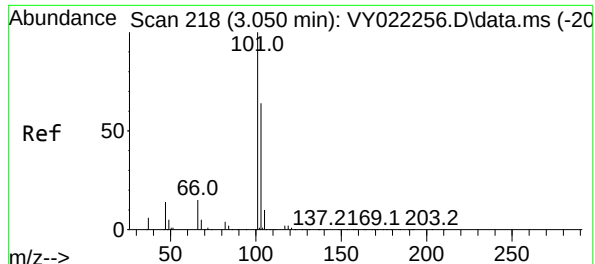
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

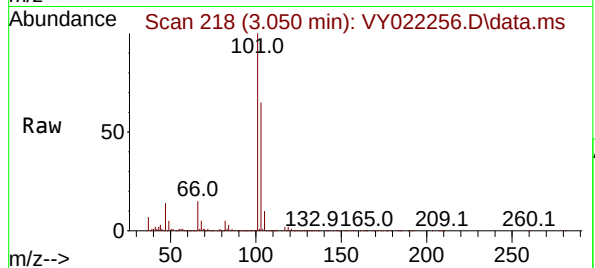
Tgt Ion: 64 Resp: 202370
Ion Ratio Lower Upper
64 100
66 31.0 24.8 37.2





#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

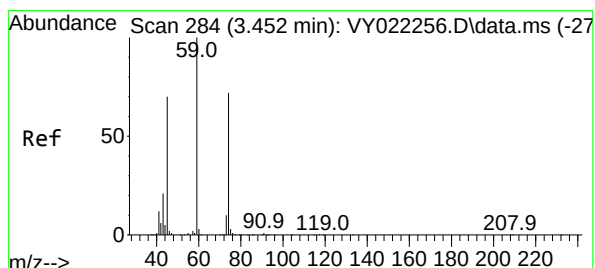
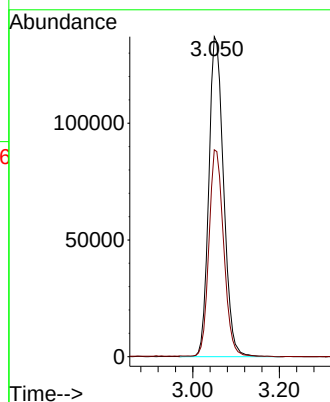
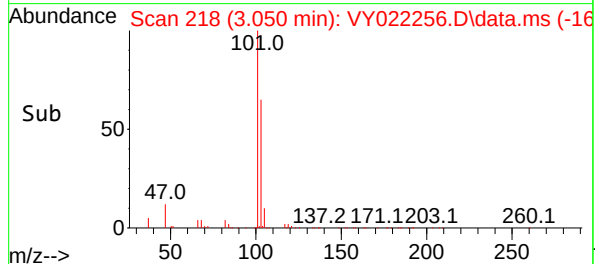
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

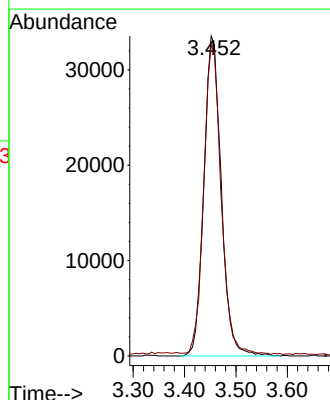
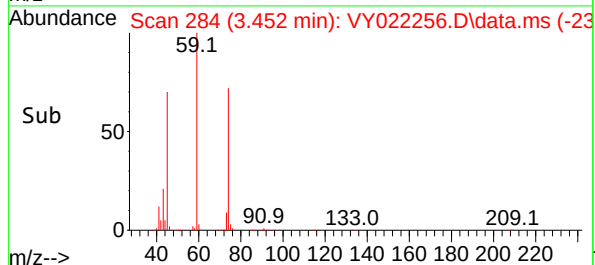
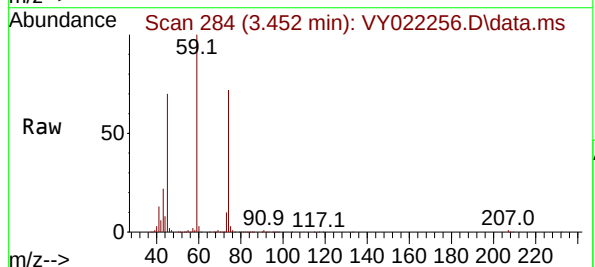
Manual Integrations
APPROVED

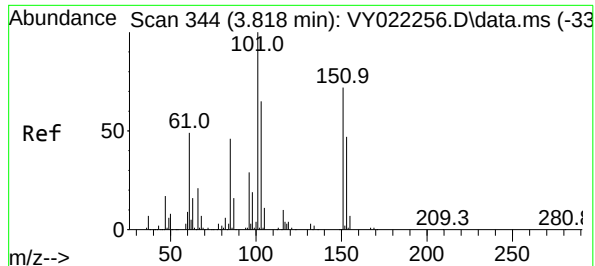
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

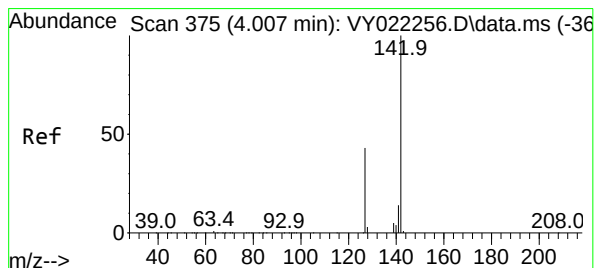
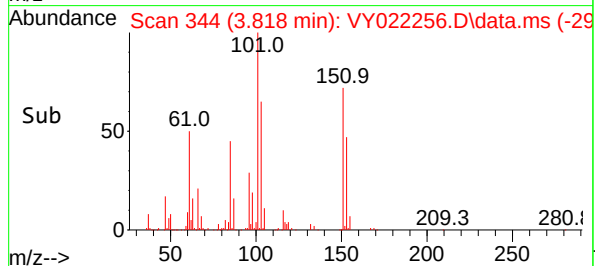
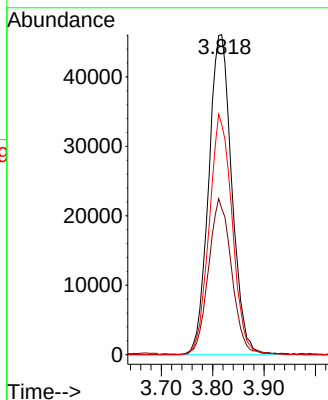
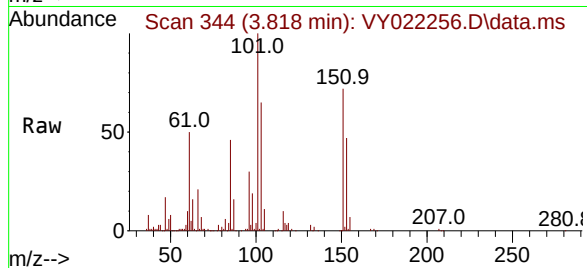
151 74.6 59.7 89.5

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

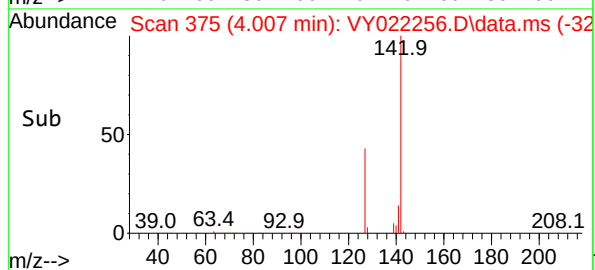
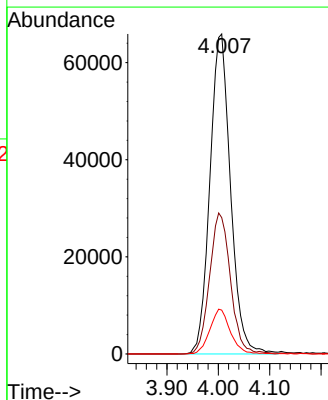
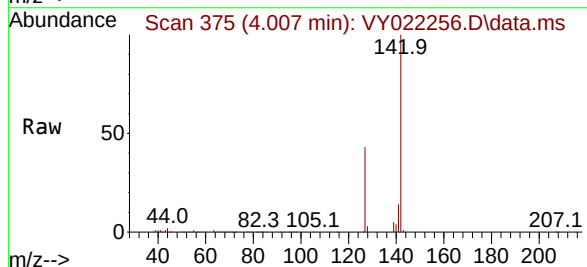
Tgt Ion:142 Resp: 183918

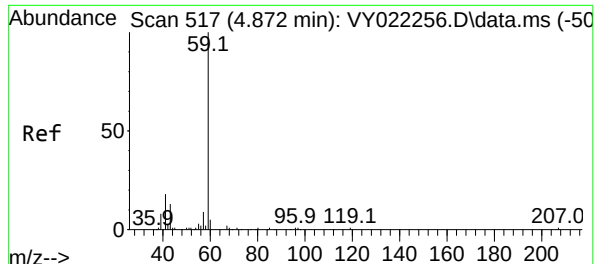
Ion Ratio Lower Upper

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

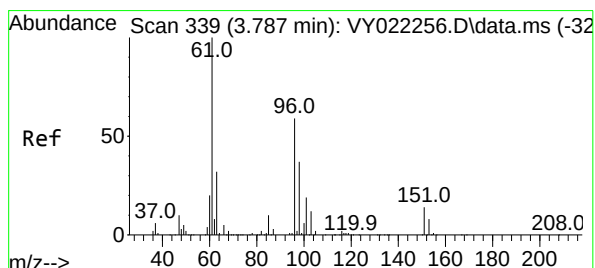
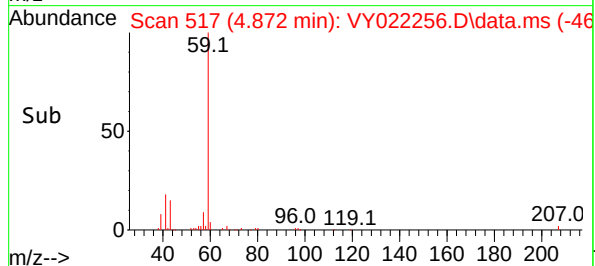
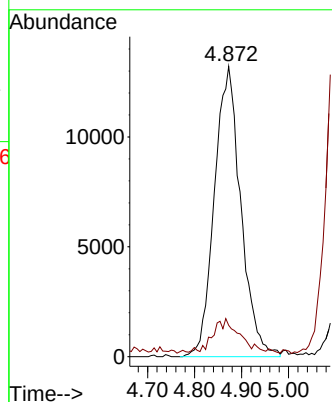
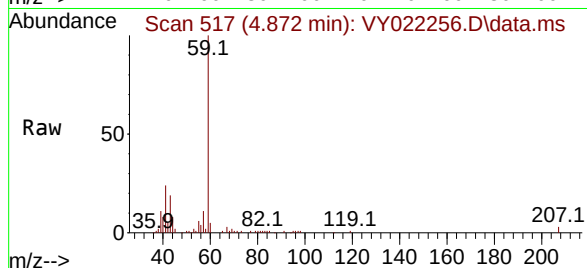
Ion Ratio Lower Upper

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

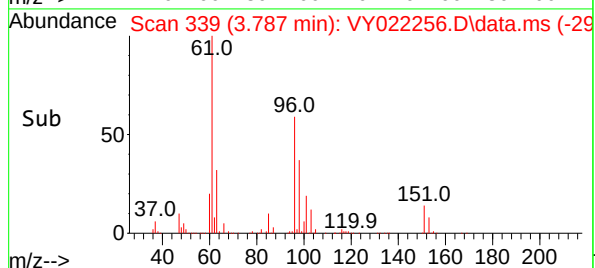
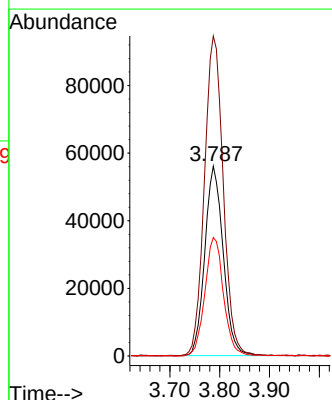
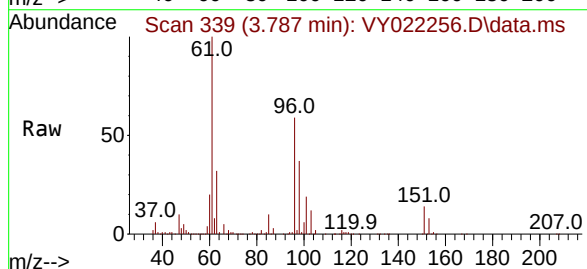
Tgt Ion: 96 Resp: 144103

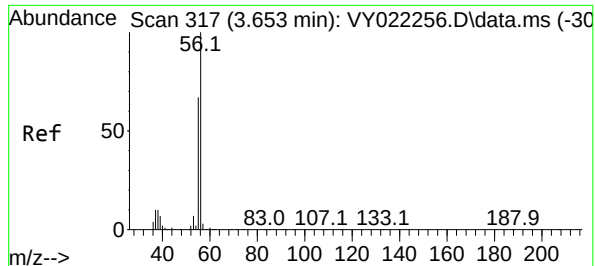
Ion Ratio Lower Upper

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: 75423

Ion Ratio Lower Upper

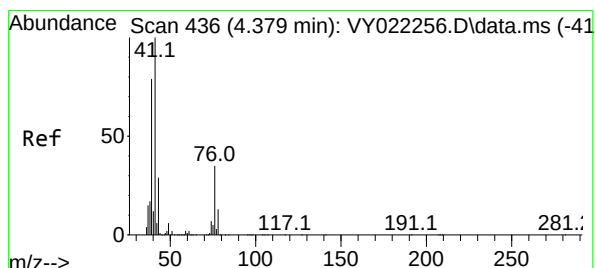
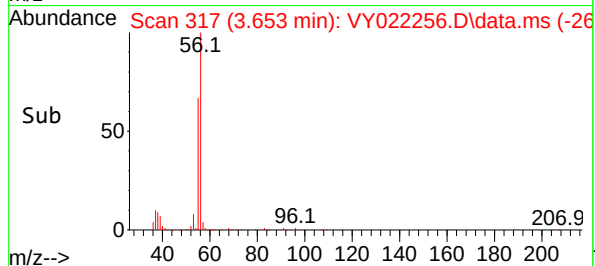
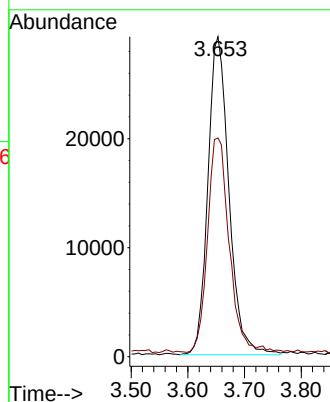
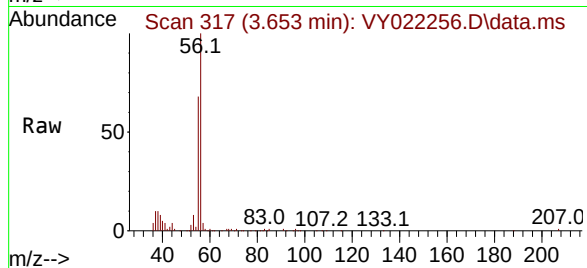
56 100

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

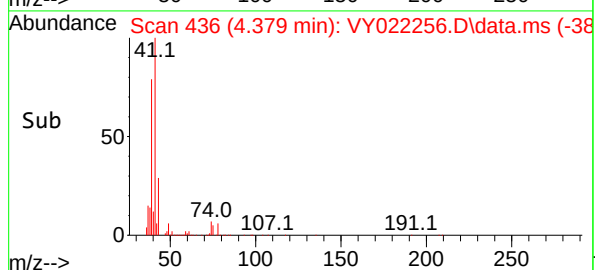
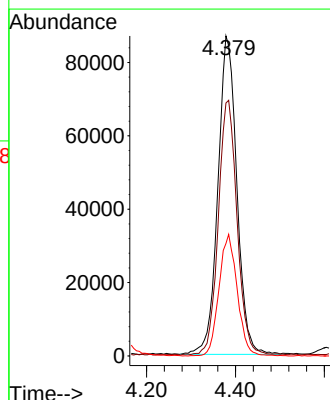
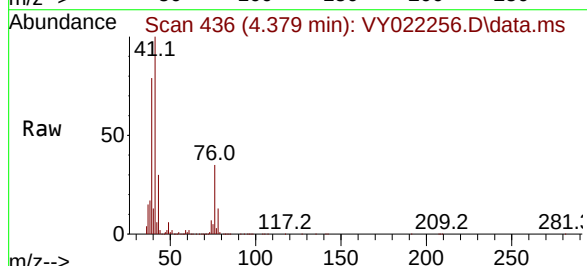
Tgt Ion: 41 Resp: 256499

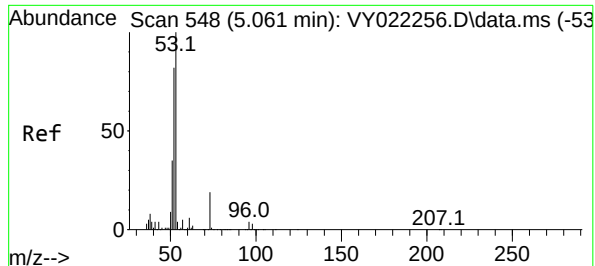
Ion Ratio Lower Upper

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

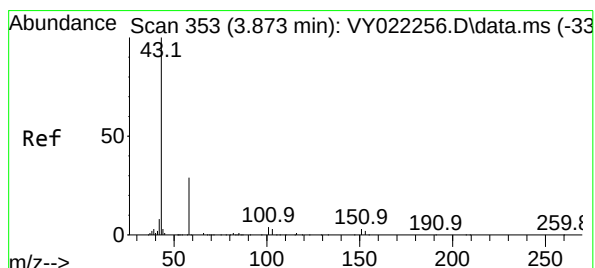
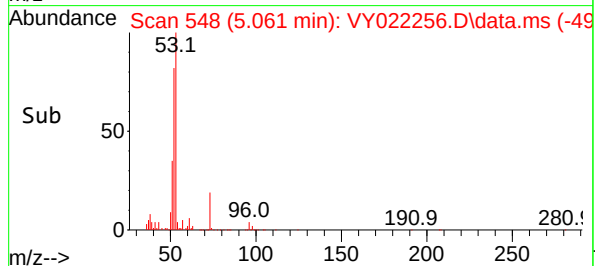
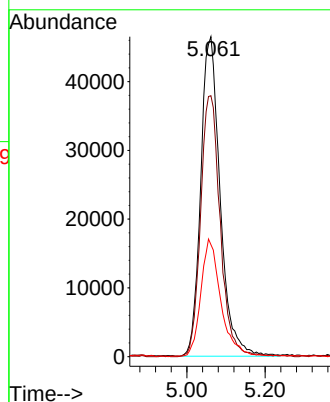
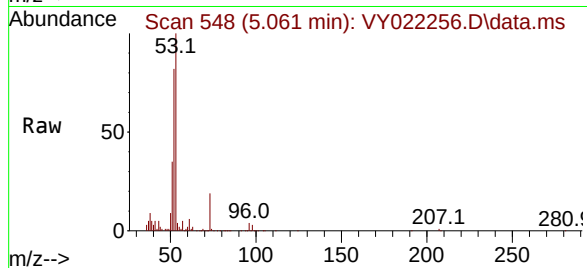
53 100

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

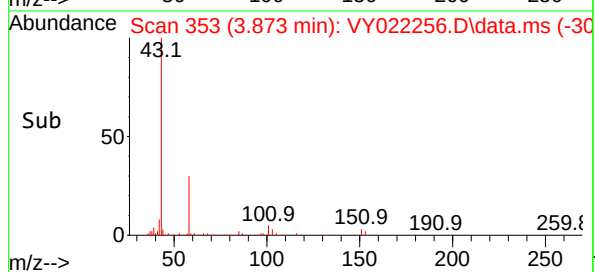
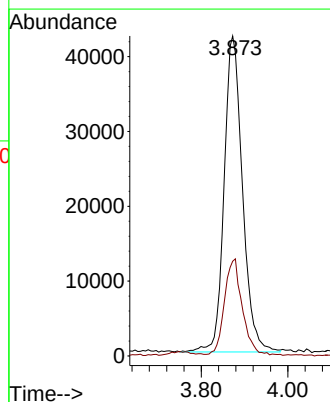
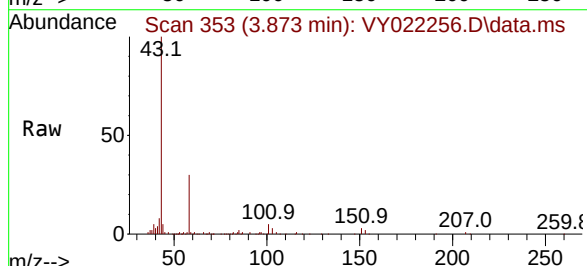
Acq: 15 May 2025 11:02

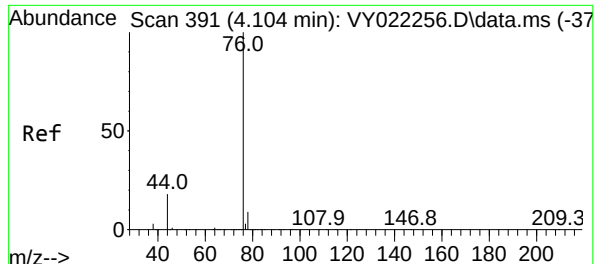
Tgt Ion: 43 Resp: 124421

Ion Ratio Lower Upper

43 100

58 29.5 23.6 35.4





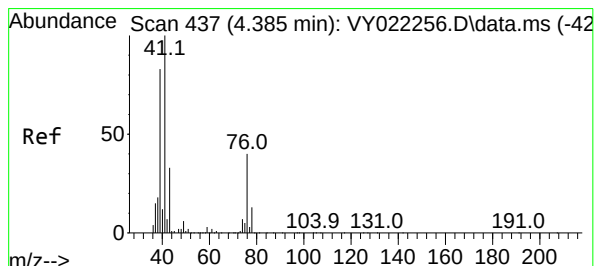
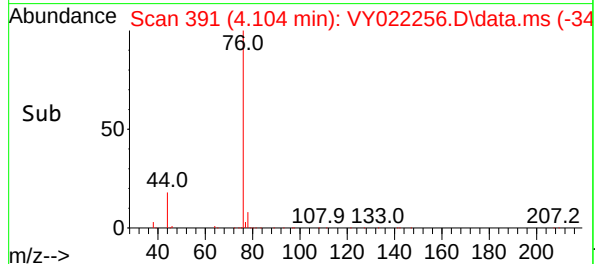
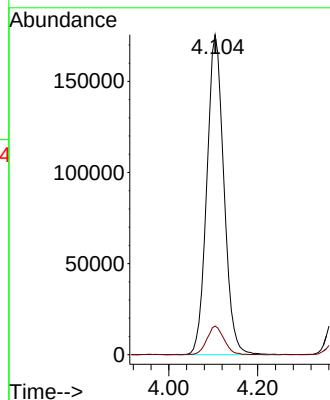
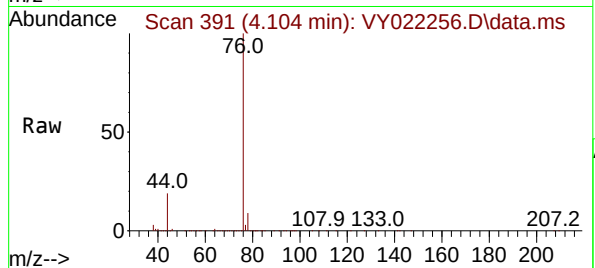
#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

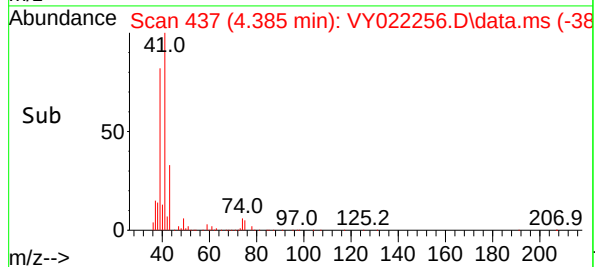
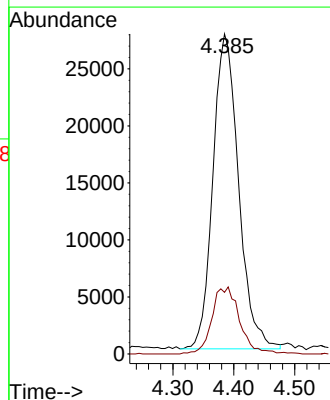
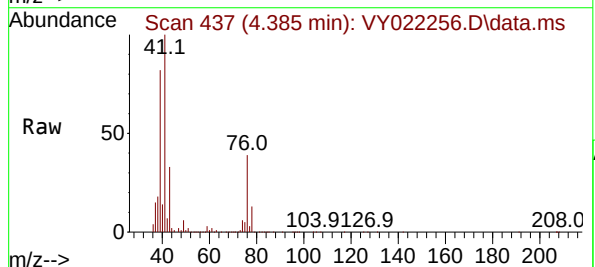
Manual Integrations
APPROVED

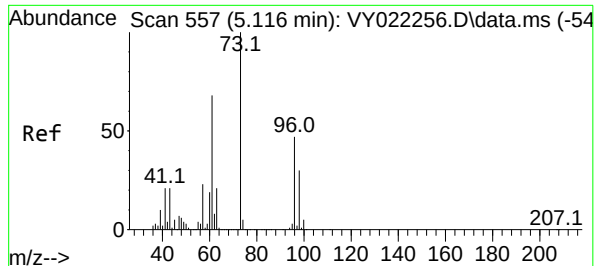
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

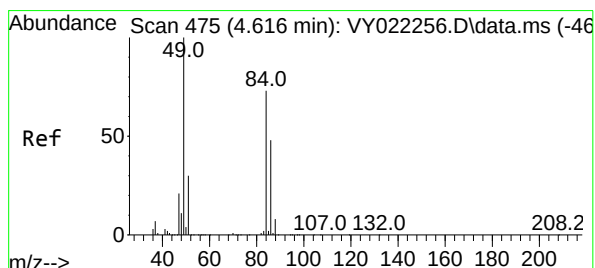
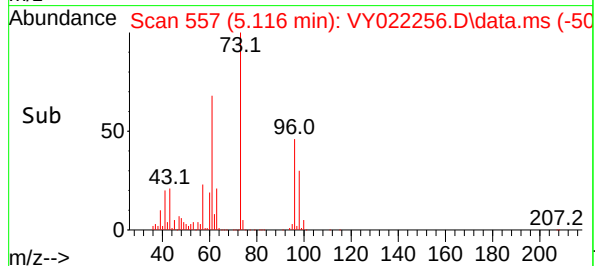
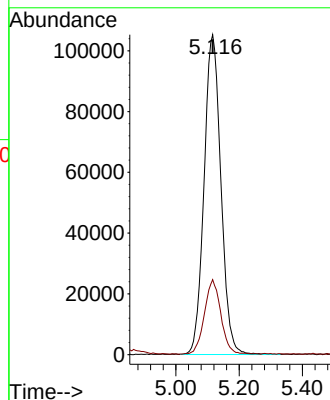
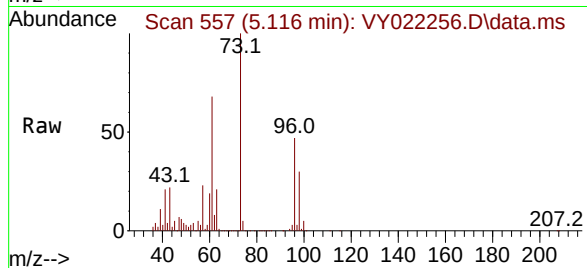
73 100

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

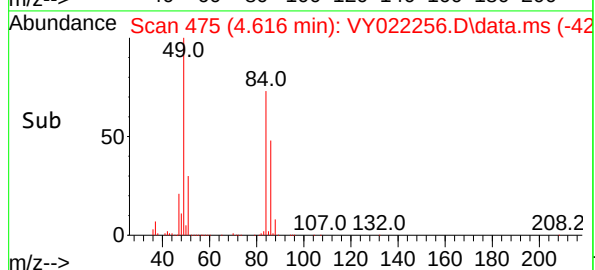
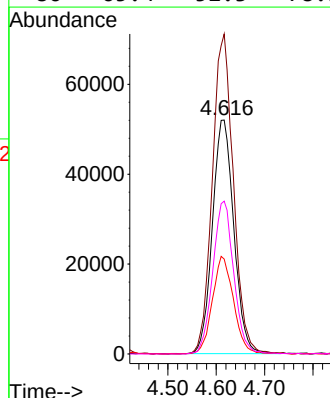
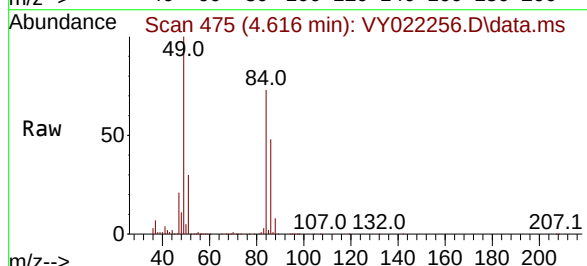
Ion Ratio Lower Upper

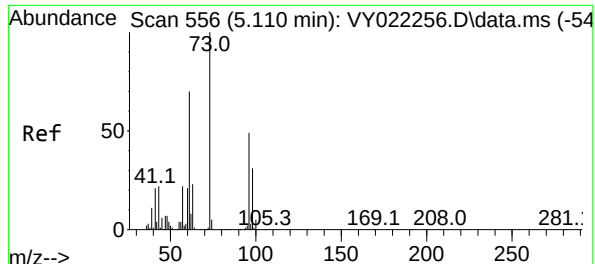
84 100

49 137.0 109.6 164.4

51 40.5 32.4 48.6

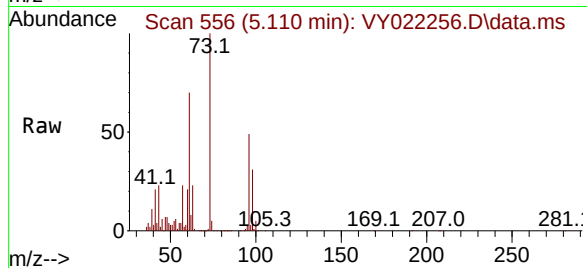
86 65.4 52.3 78.5





#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

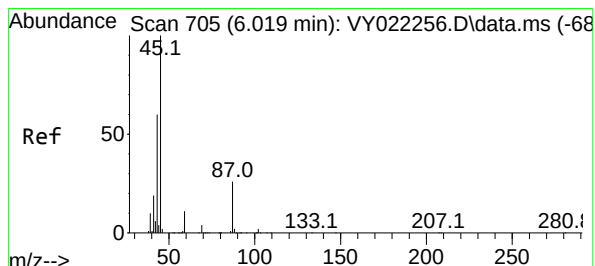
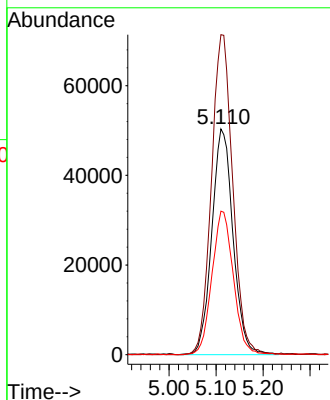
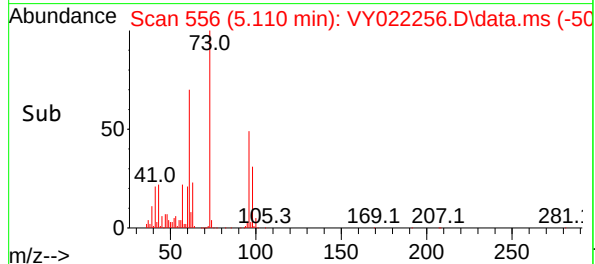
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

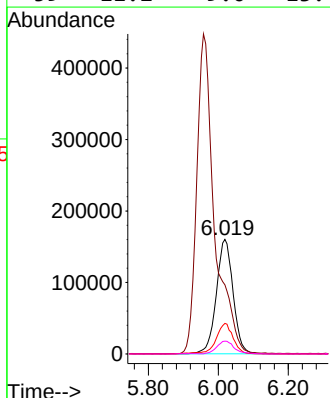
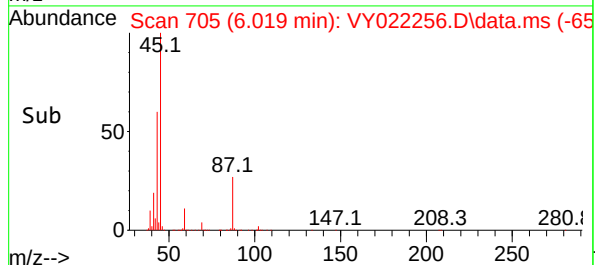
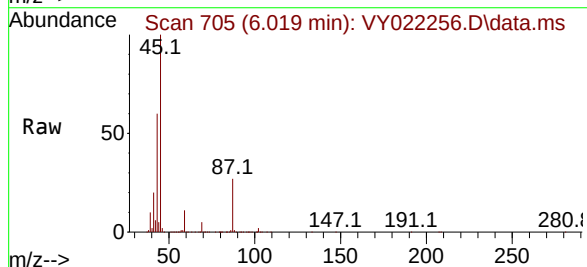
Manual Integrations
APPROVED

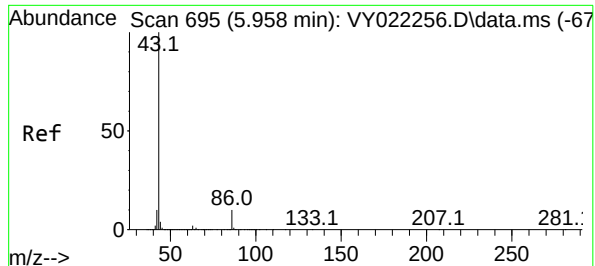
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

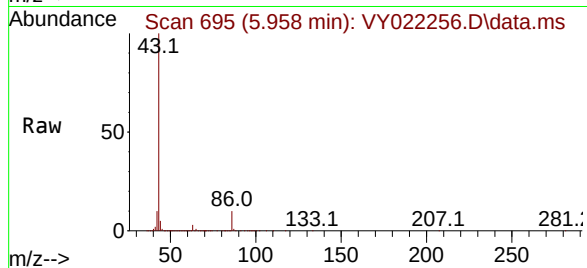
Tgt Ion: 45 Resp: 531560
Ion Ratio Lower Upper
45 100
43 60.2 48.2 72.2
87 26.7 21.4 32.0
59 11.2 9.0 13.4





#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

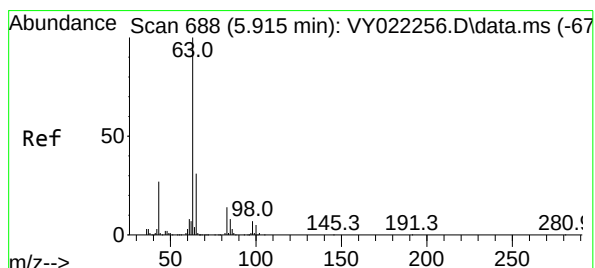
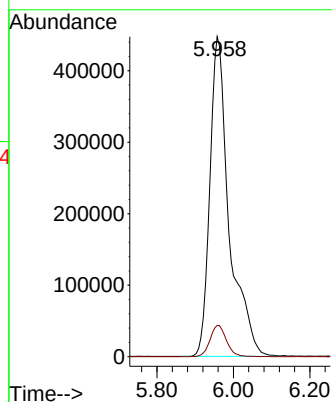
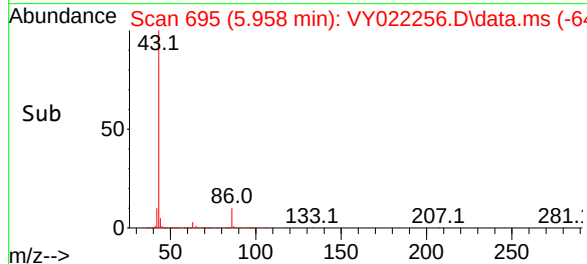
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



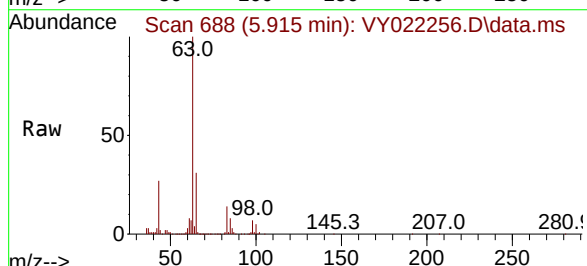
Tgt Ion: 43 Resp: 1570214
Ion Ratio Lower Upper
43 100
86 9.8 7.8 11.8

Manual Integrations
APPROVED

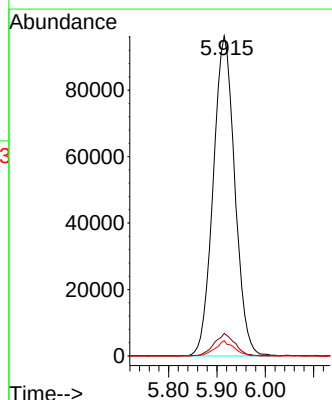
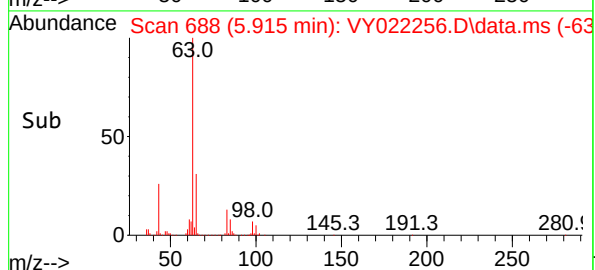
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

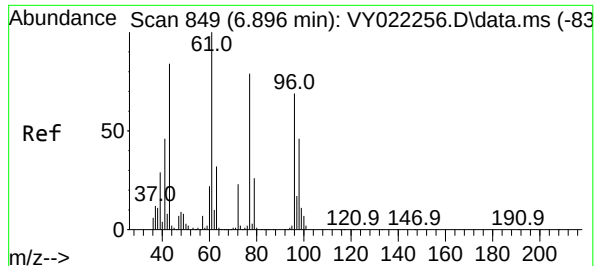


#24
1,1-Dichloroethane
Concen: 50.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



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

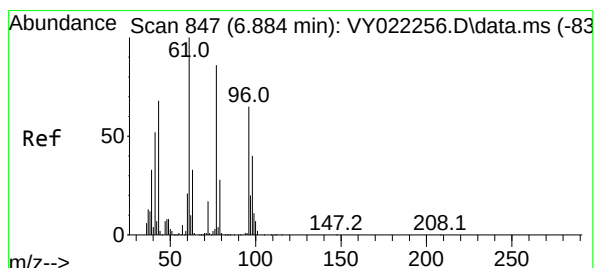
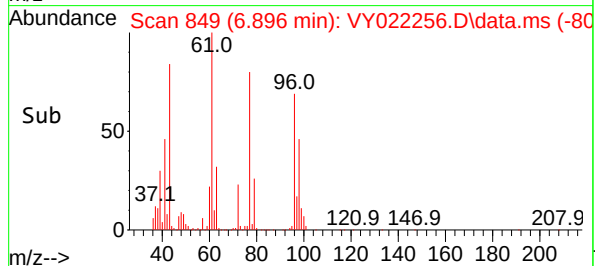
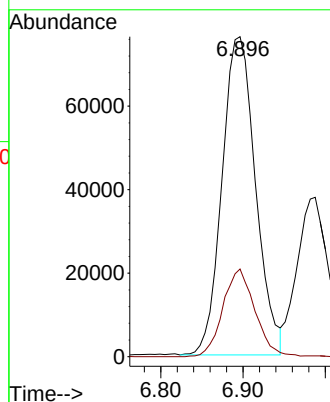
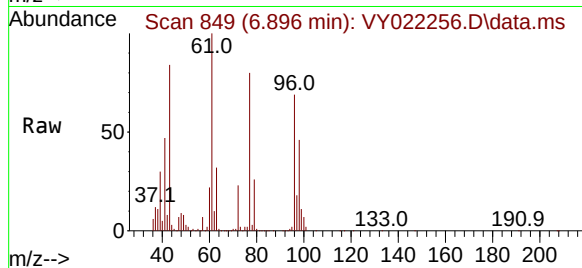
Ion Ratio Lower Upper

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

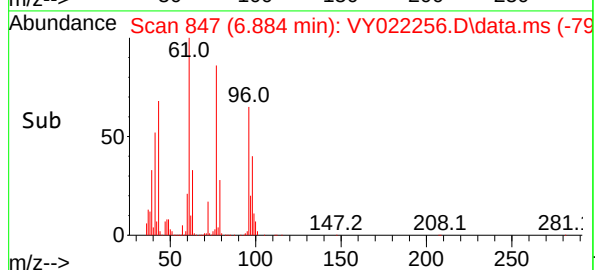
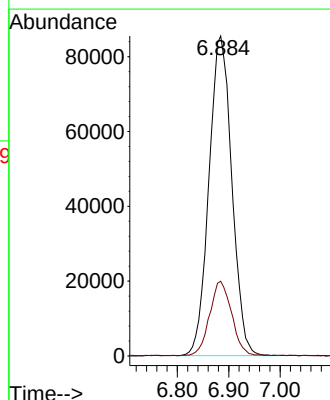
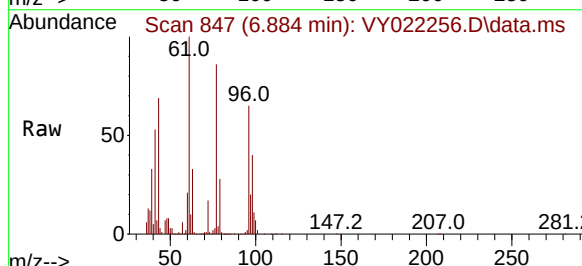
Acq: 15 May 2025 11:02

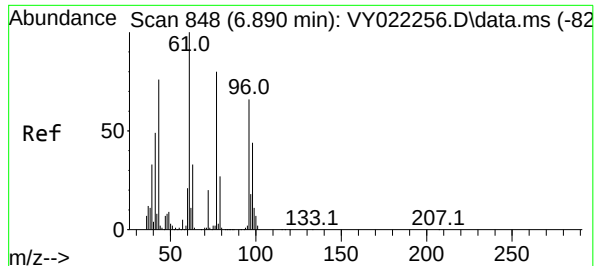
Tgt Ion: 77 Resp: 264141

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

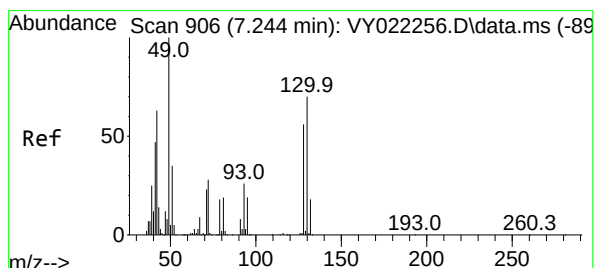
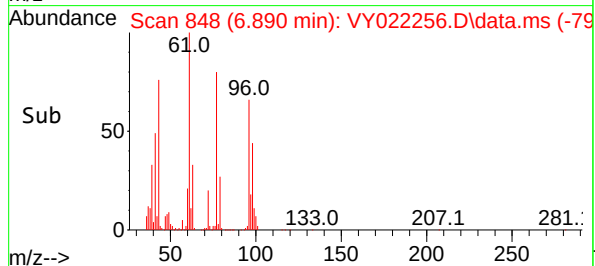
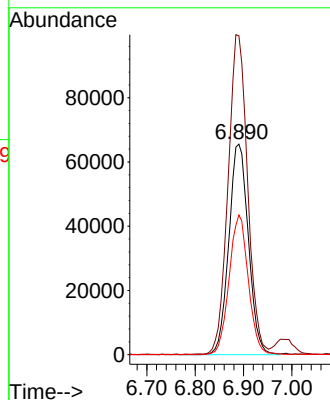
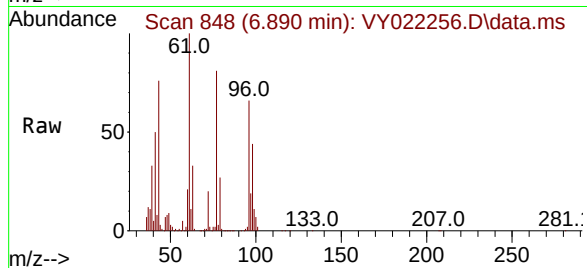
ClientSampleId :

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

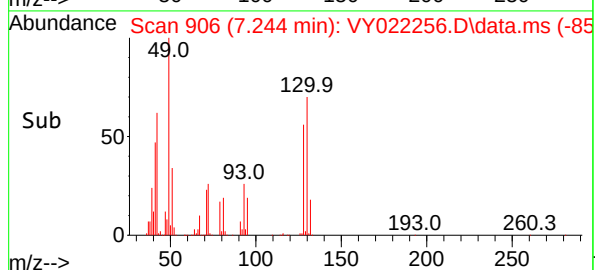
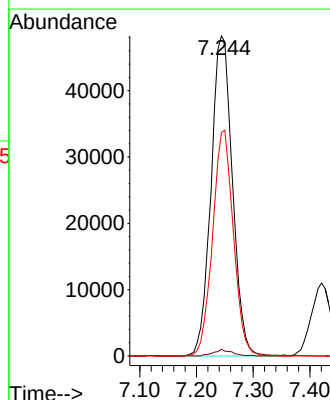
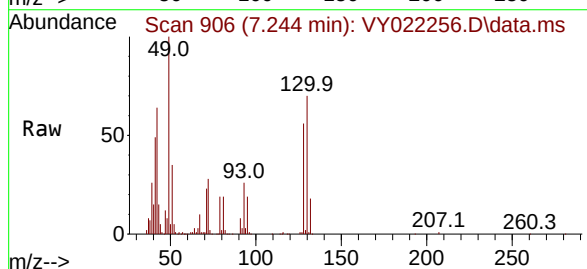
Tgt Ion: 49 Resp: 126541

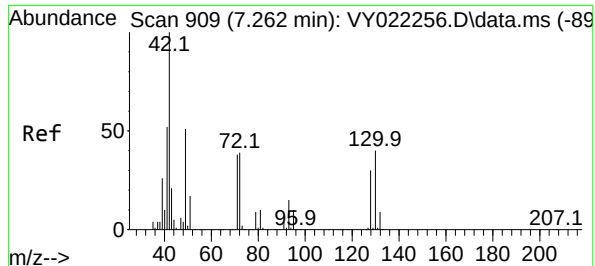
Ion Ratio Lower Upper

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

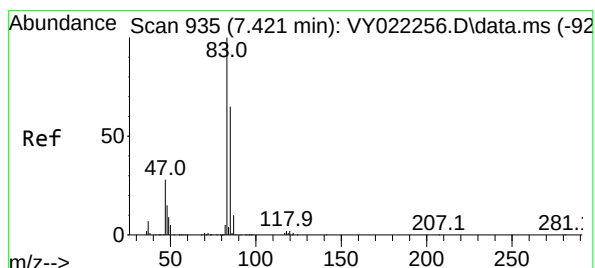
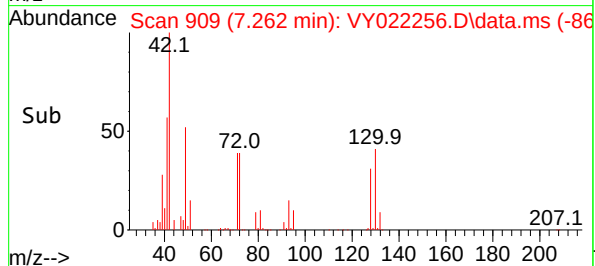
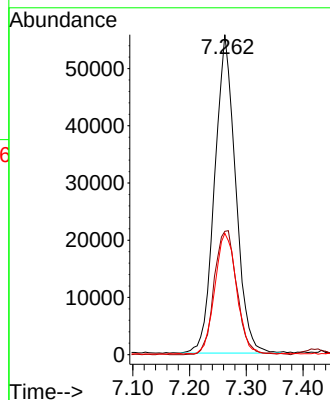
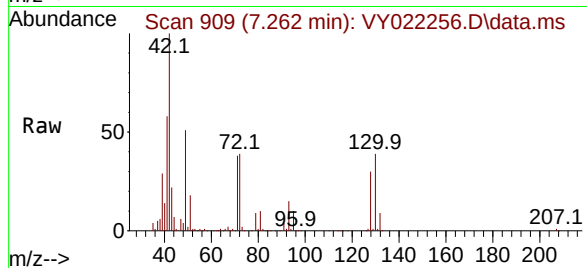
71 39.4 31.5 47.3

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

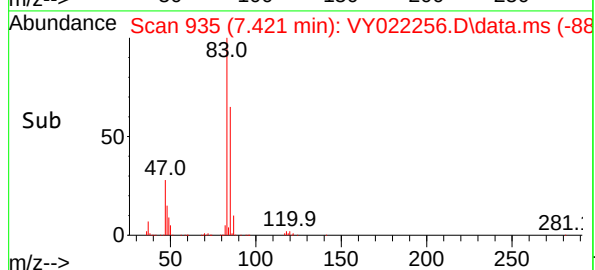
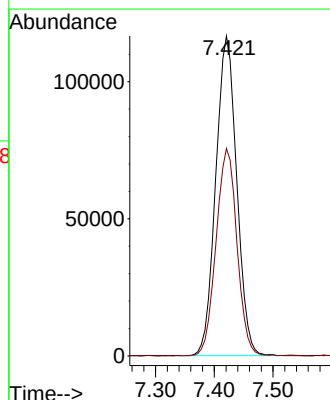
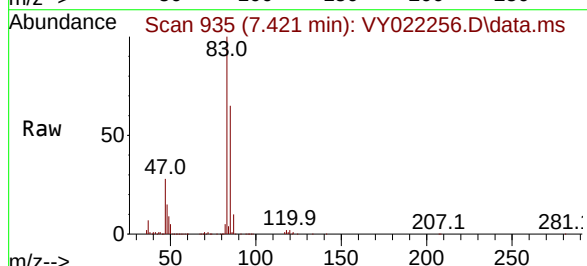
Acq: 15 May 2025 11:02

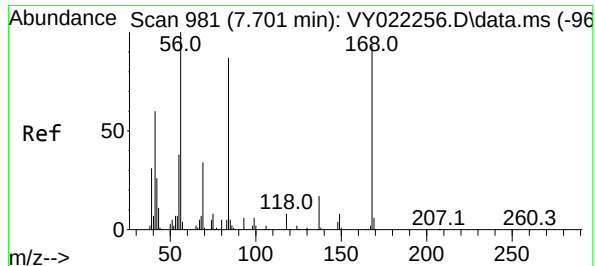
Tgt Ion: 83 Resp: 288708

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

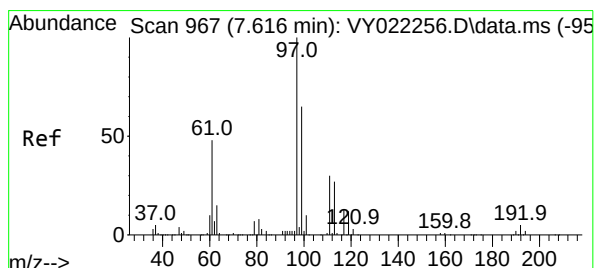
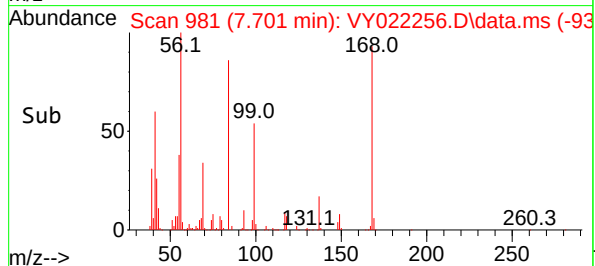
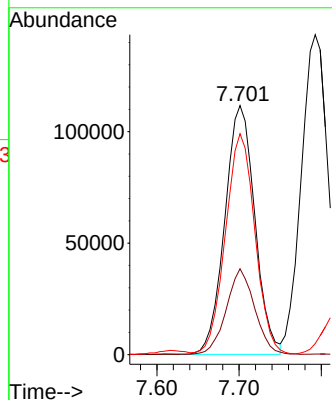
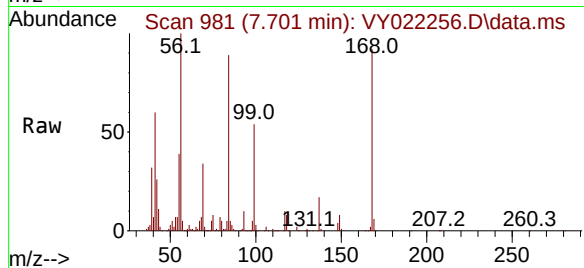
56 100

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

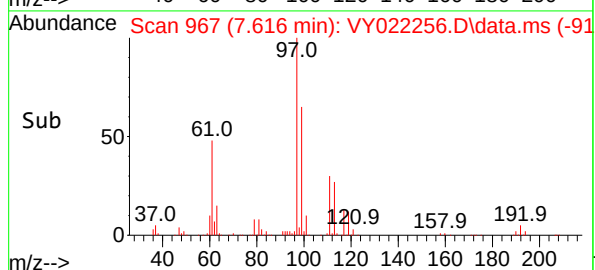
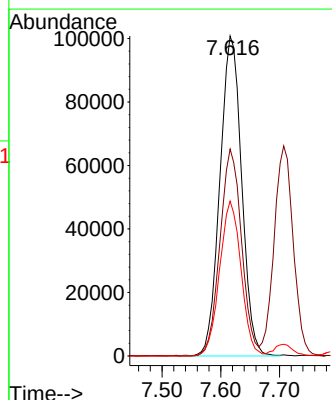
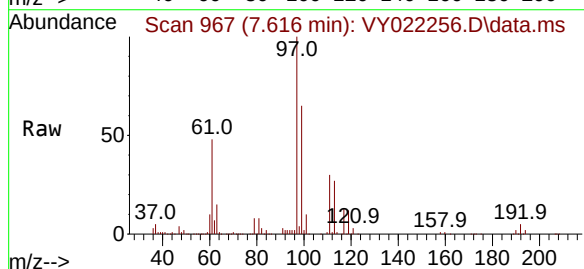
Tgt Ion: 97 Resp: 259382

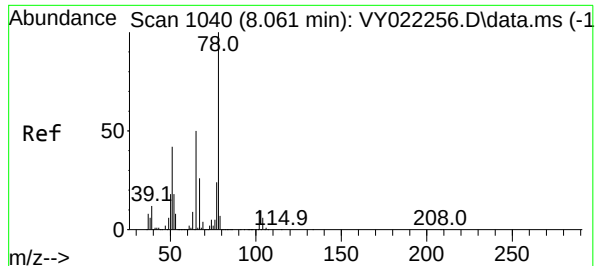
Ion Ratio Lower Upper

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

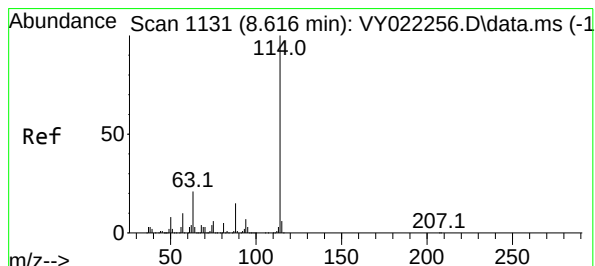
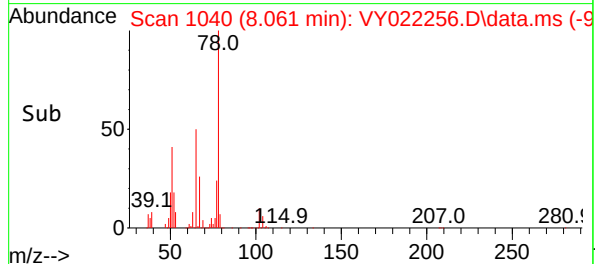
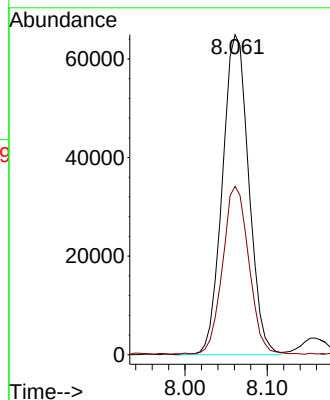
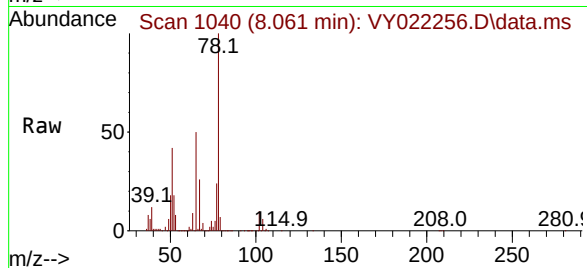
65 100

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

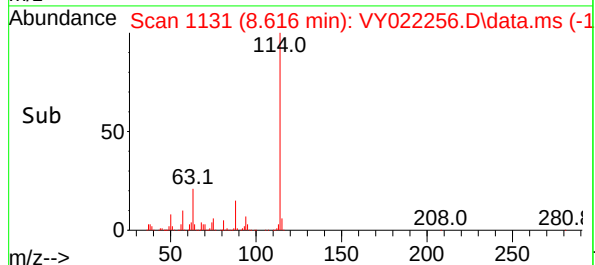
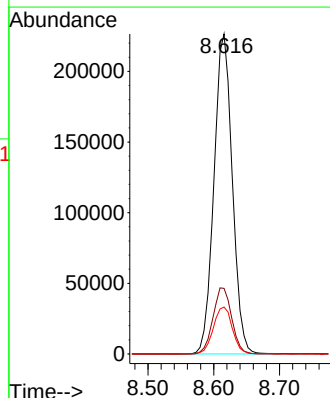
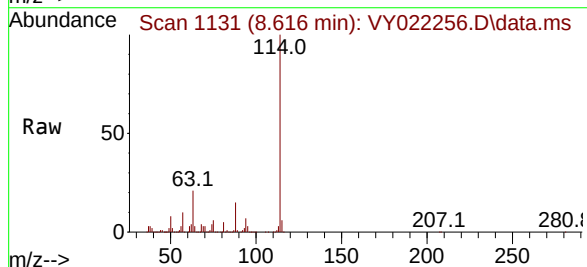
Tgt Ion:114 Resp: 439323

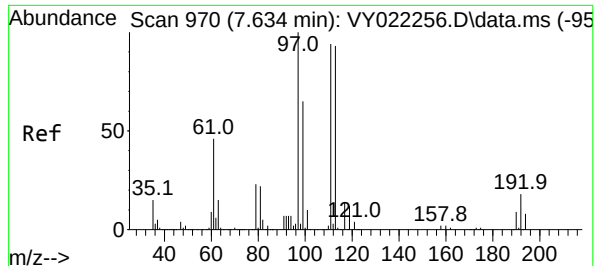
Ion Ratio Lower Upper

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

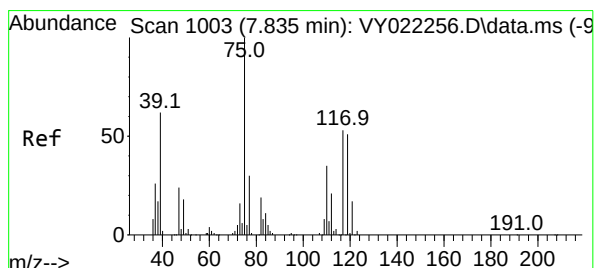
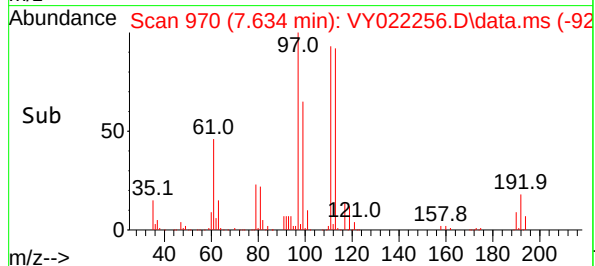
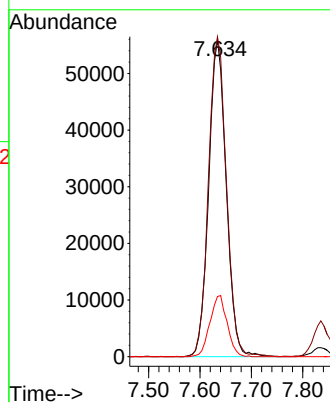
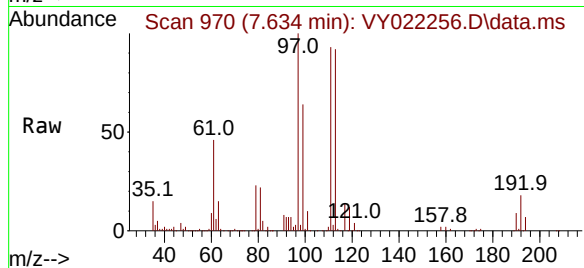
192 19.0 15.2 22.8

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

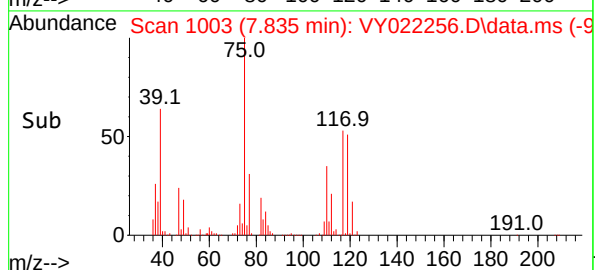
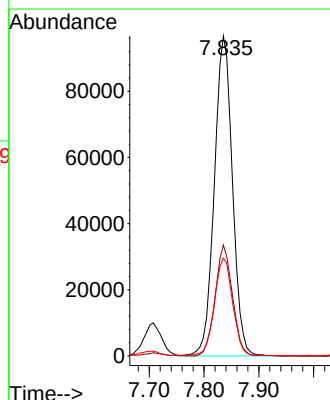
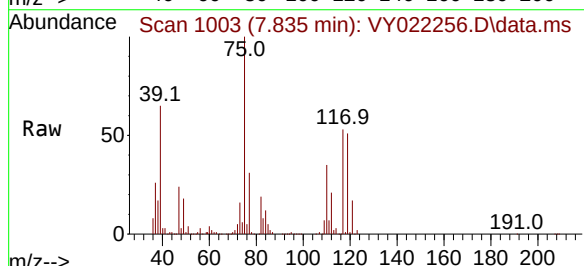
Tgt Ion: 75 Resp: 221943

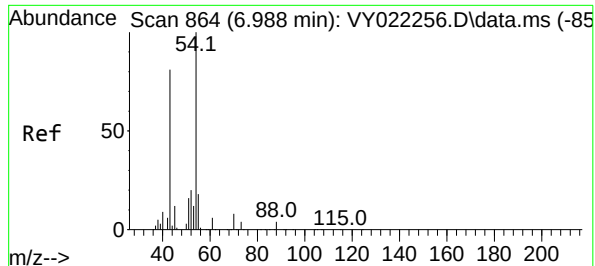
Ion Ratio Lower Upper

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

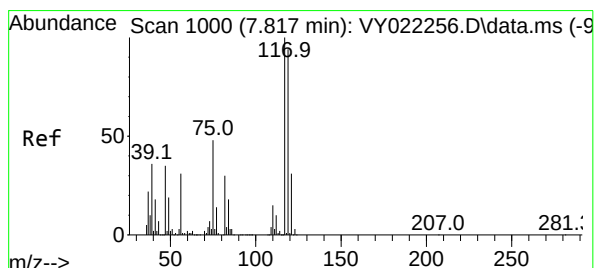
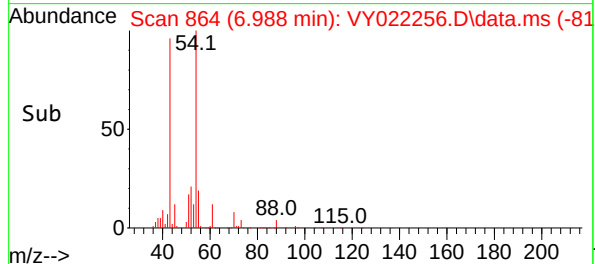
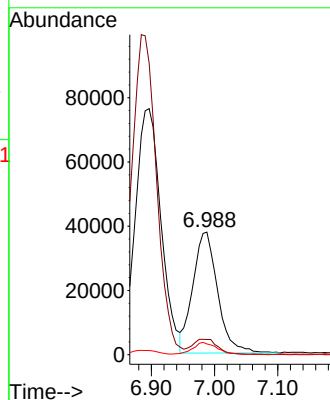
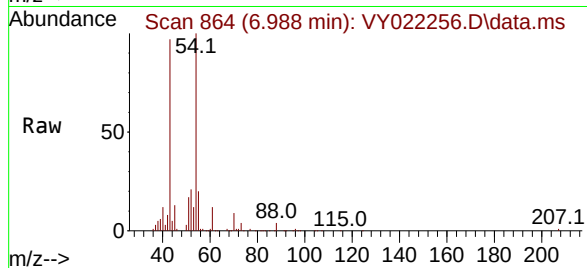
43 100

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

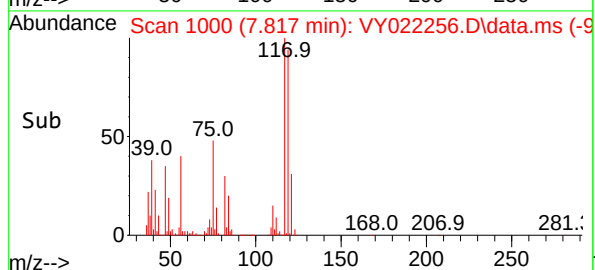
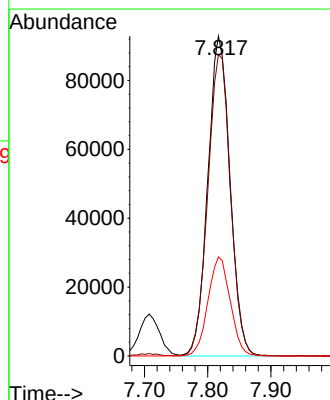
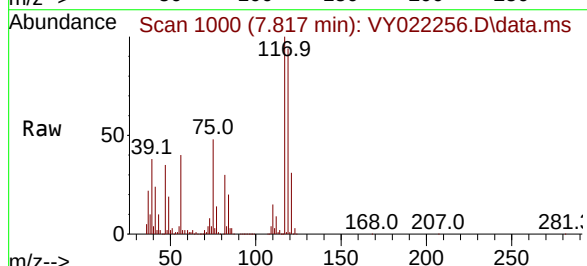
Tgt Ion:117 Resp: 226903

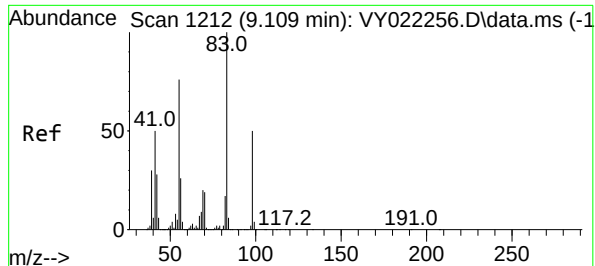
Ion Ratio Lower Upper

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

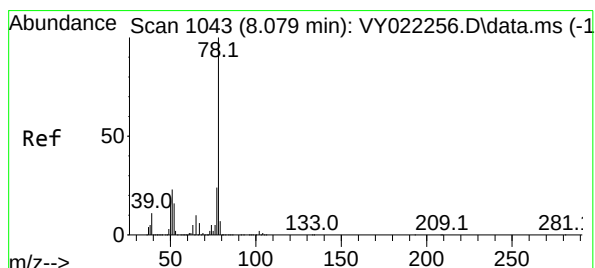
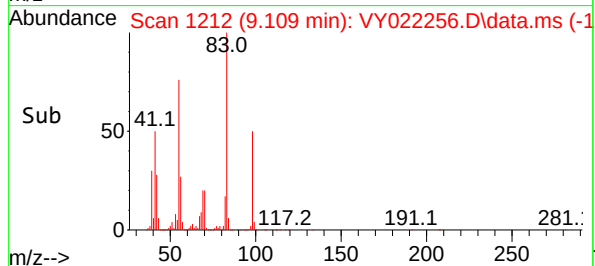
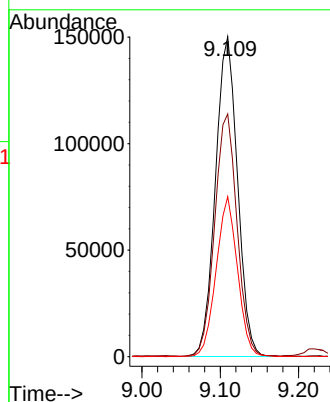
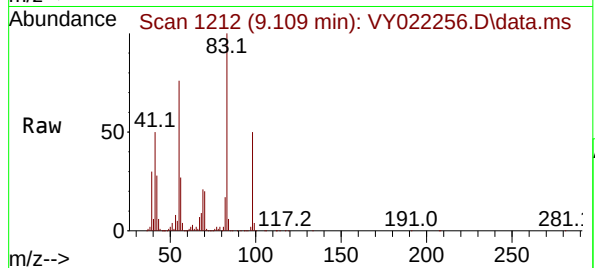
83 100

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

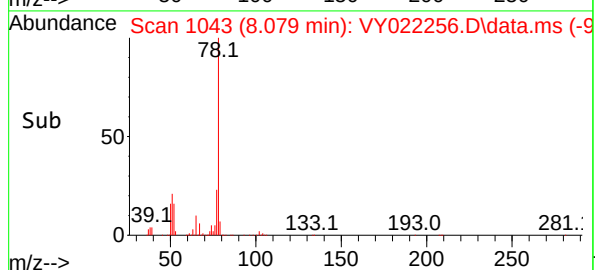
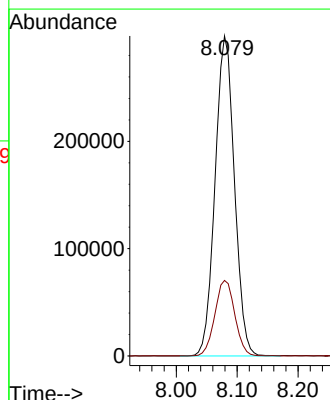
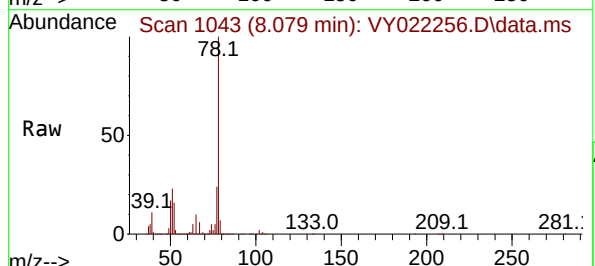
Acq: 15 May 2025 11:02

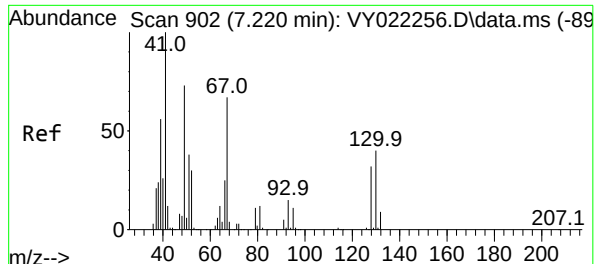
Tgt Ion: 78 Resp: 658644

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





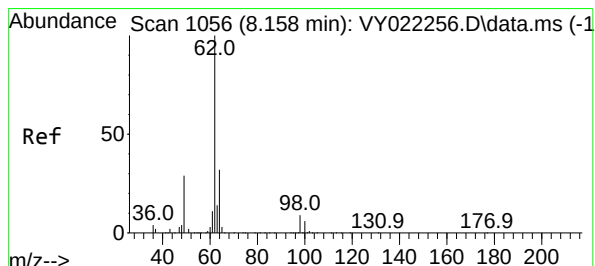
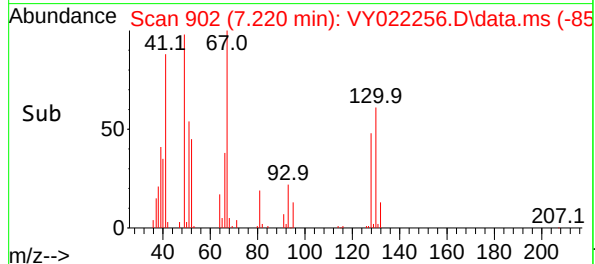
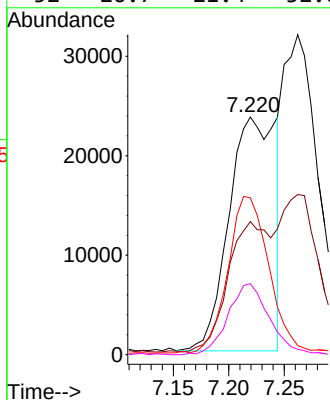
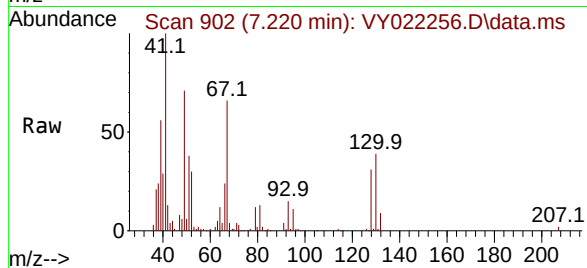
#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

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

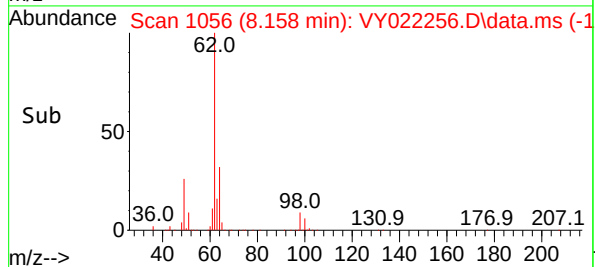
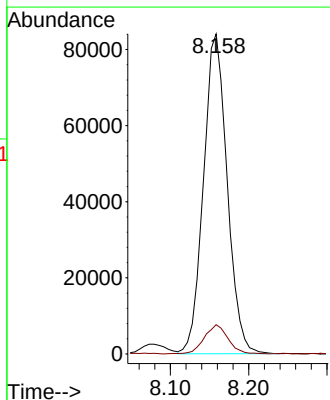
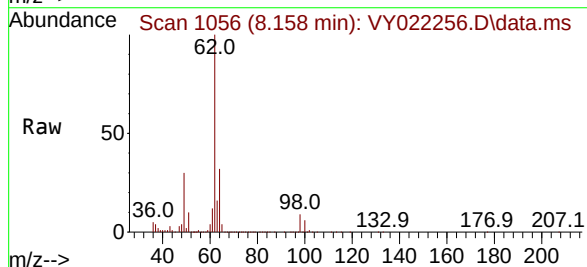
Manual Integrations
APPROVED

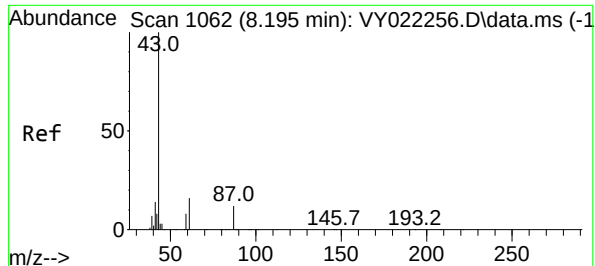
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

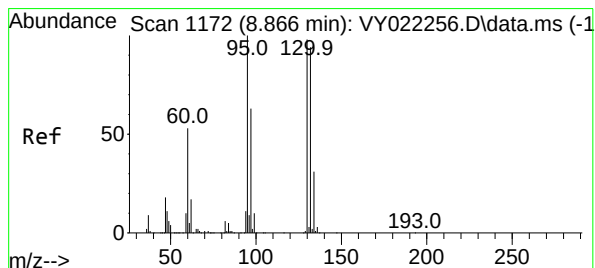
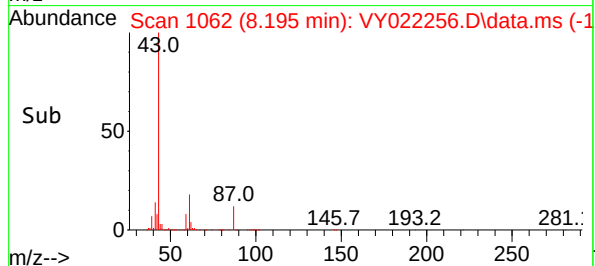
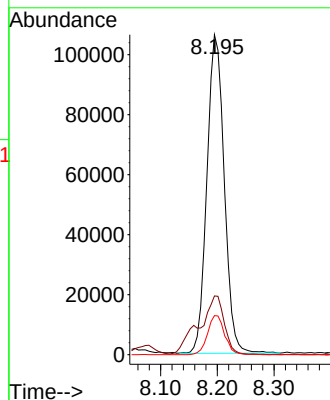
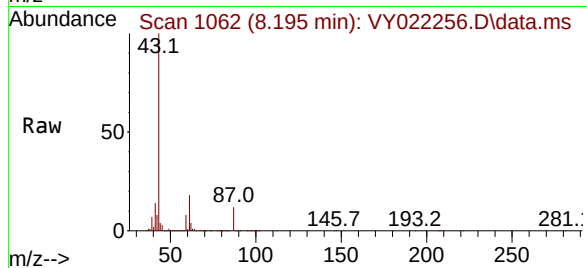
87 12.1 9.7 14.5

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

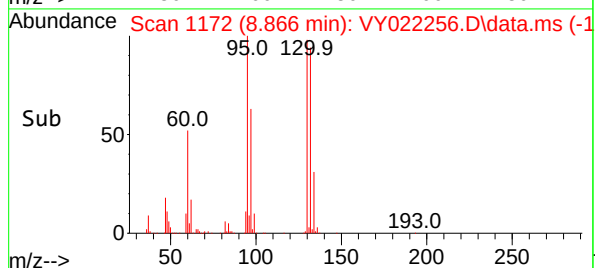
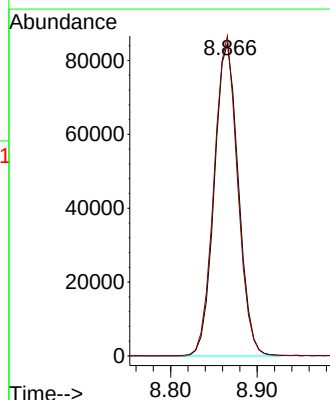
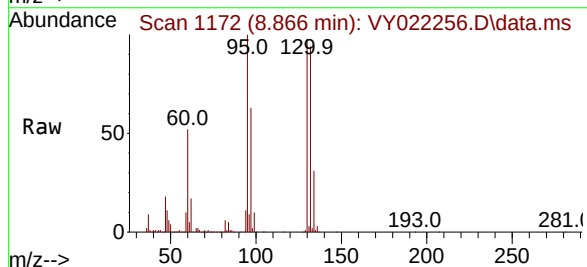
Acq: 15 May 2025 11:02

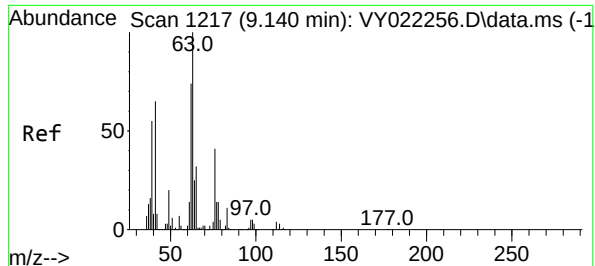
Tgt Ion:130 Resp: 162802

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

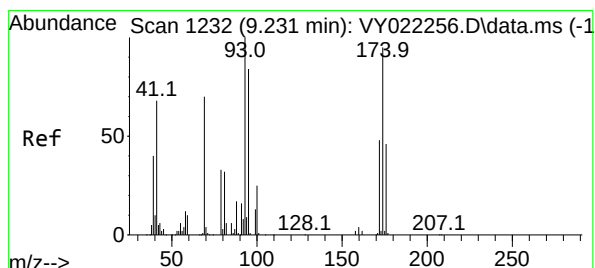
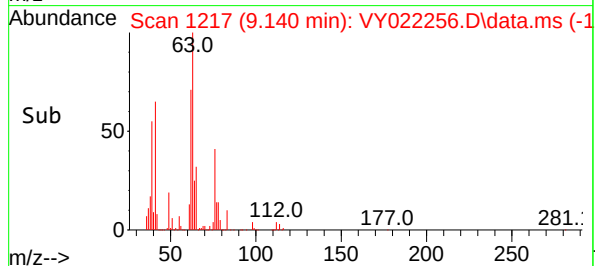
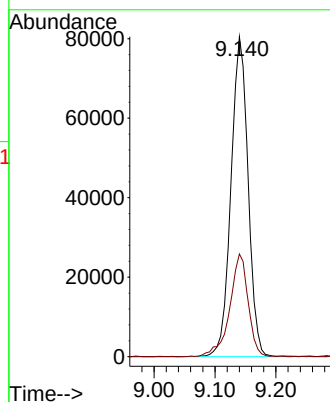
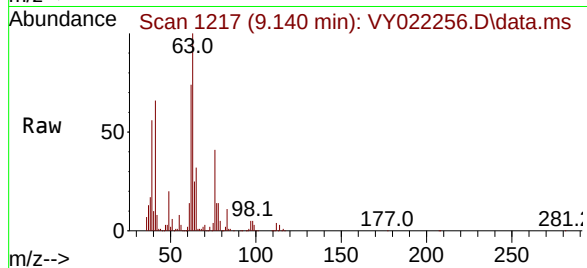
63 100

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

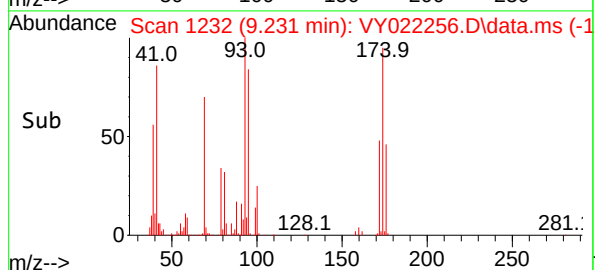
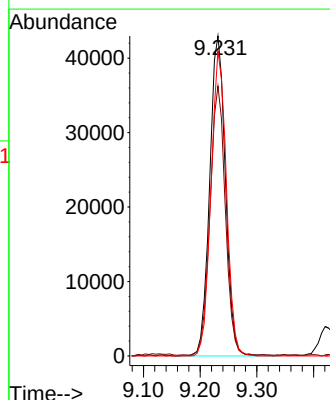
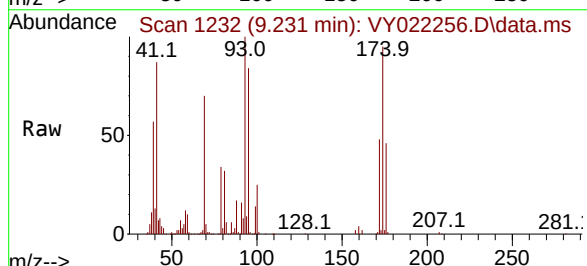
Tgt Ion: 93 Resp: 82994

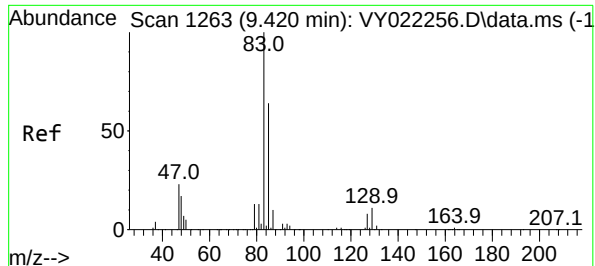
Ion Ratio Lower Upper

93 100

95 81.5 65.2 97.8

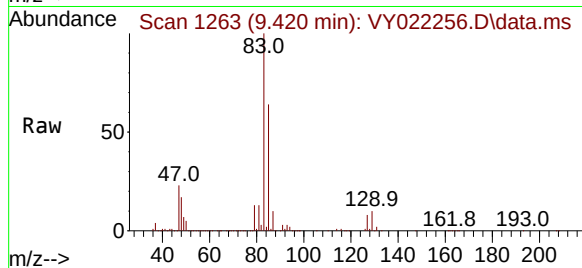
174 92.9 74.3 111.5





#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

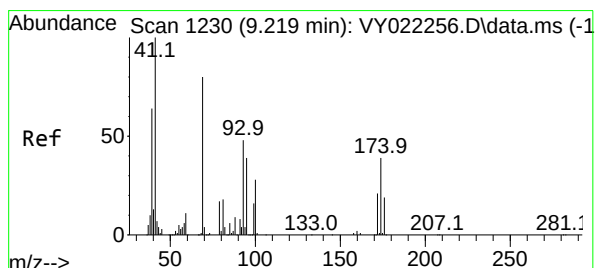
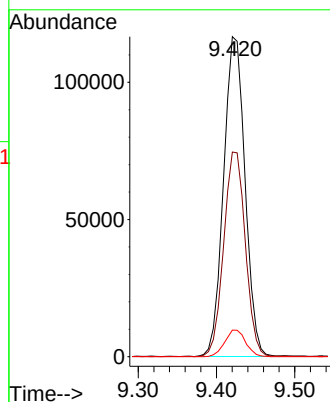
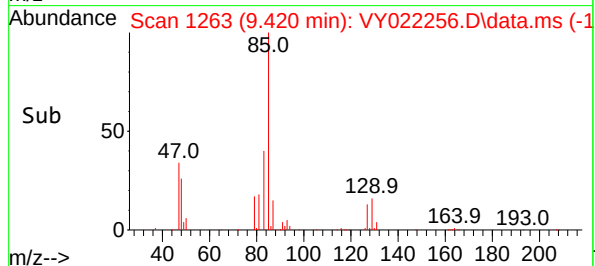
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 222159
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.3 6.6 10.0

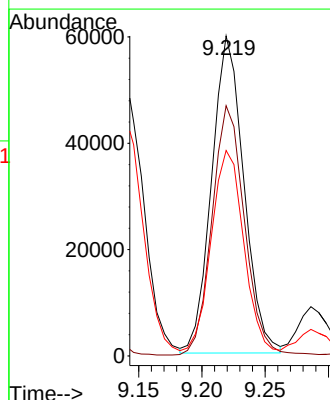
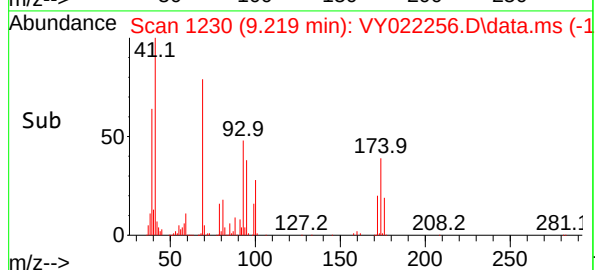
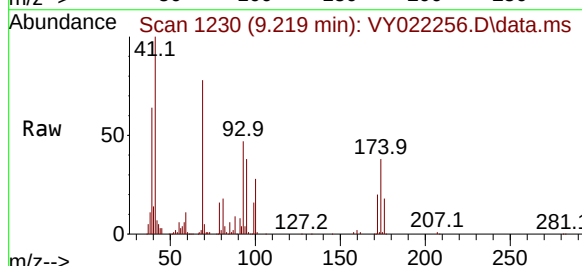
Manual Integrations
APPROVED

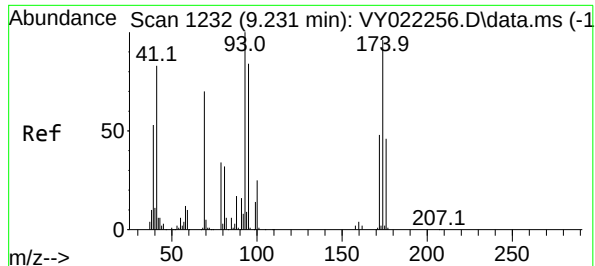
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

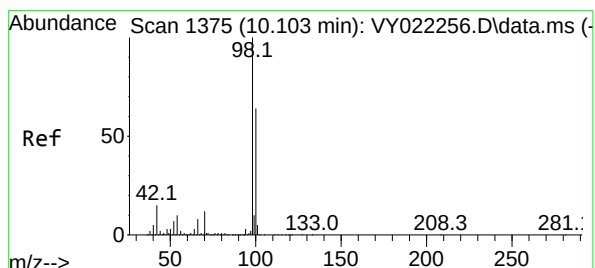
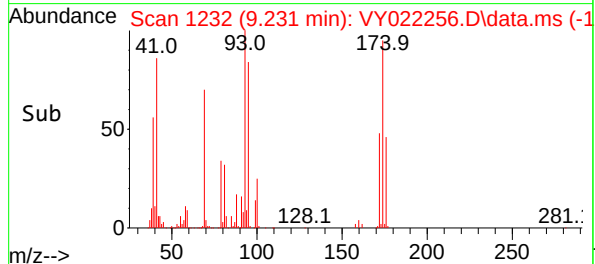
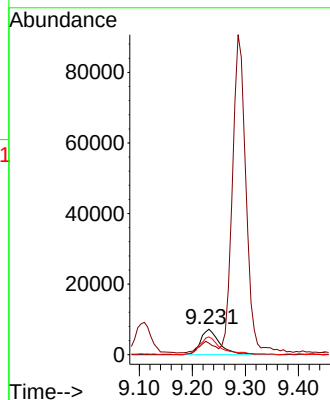
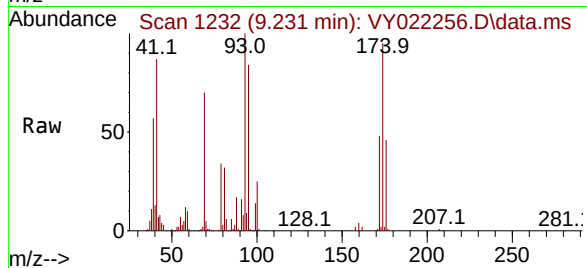
58 76.8 61.4 92.2

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

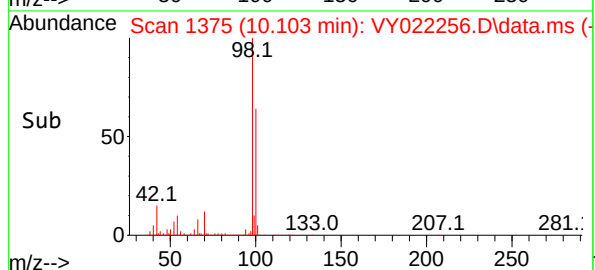
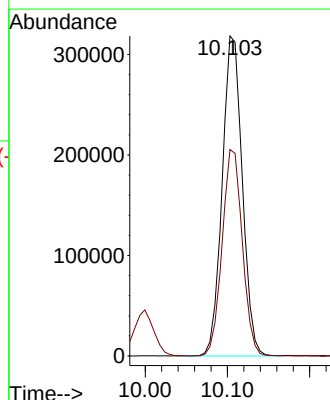
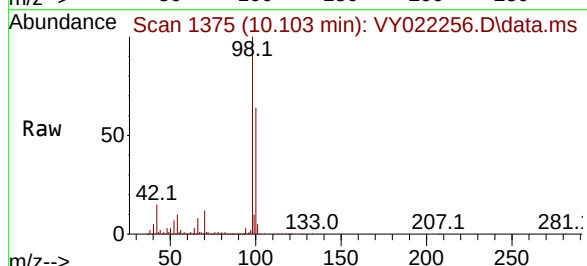
Acq: 15 May 2025 11:02

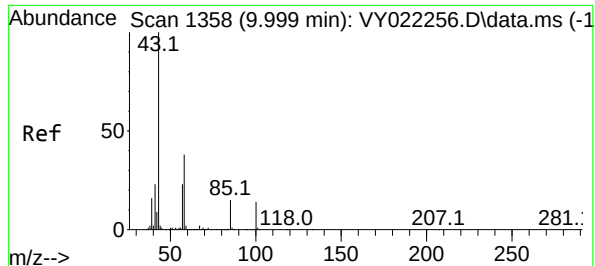
Tgt Ion: 98 Resp: 540296

Ion Ratio Lower Upper

98 100

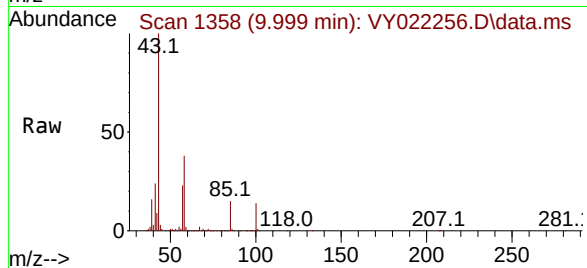
100 64.8 51.8 77.8





#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

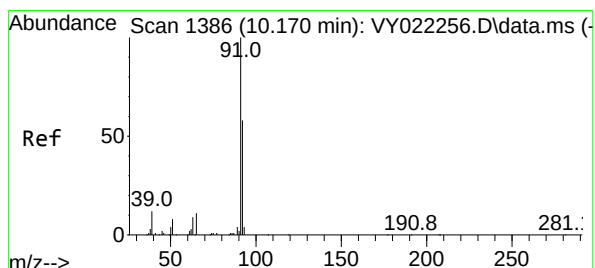
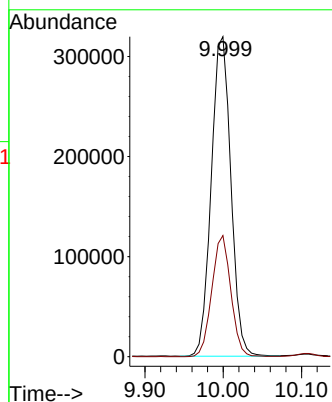
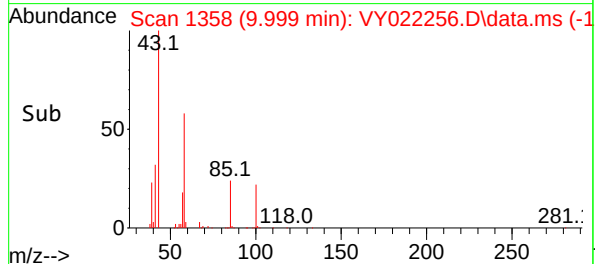
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

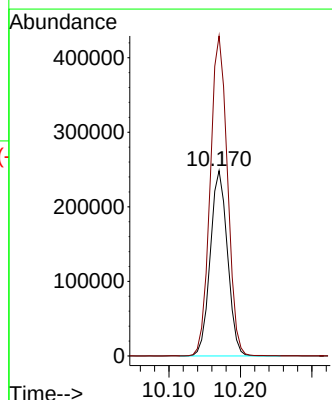
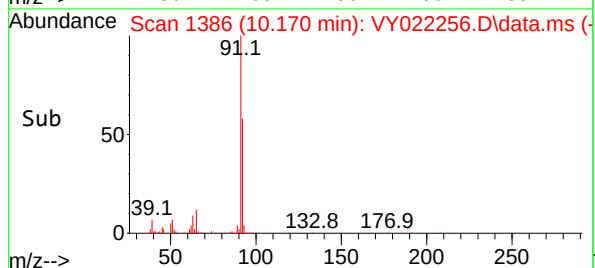
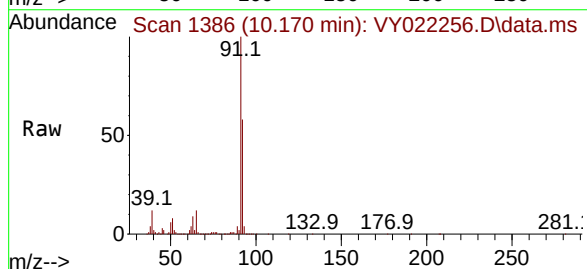
Manual Integrations
APPROVED

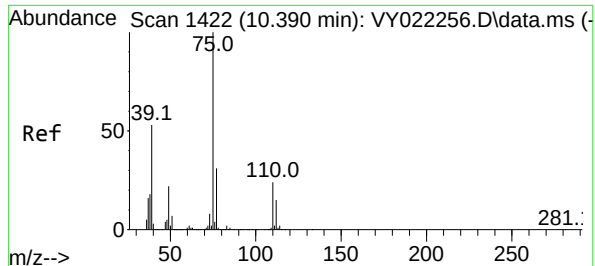
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





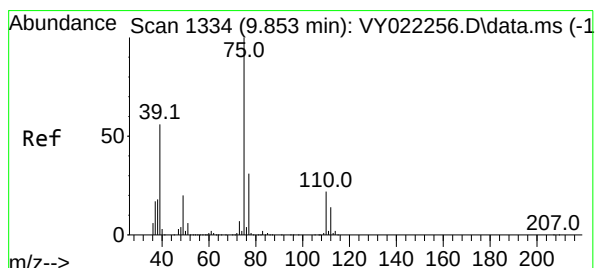
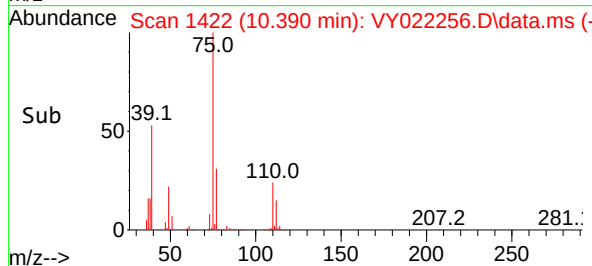
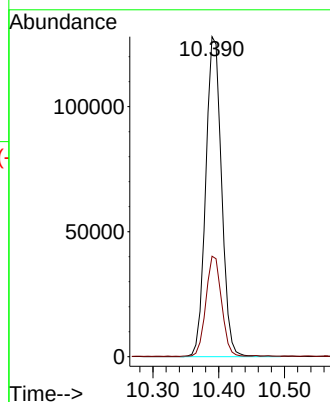
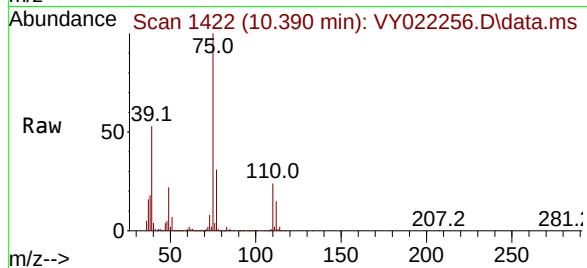
#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

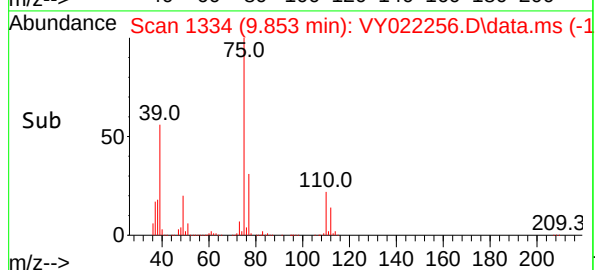
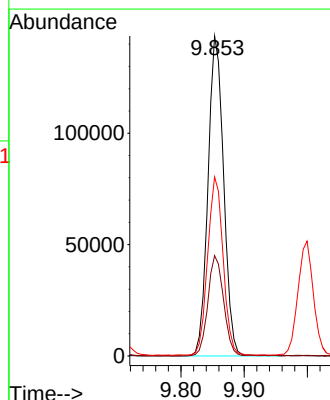
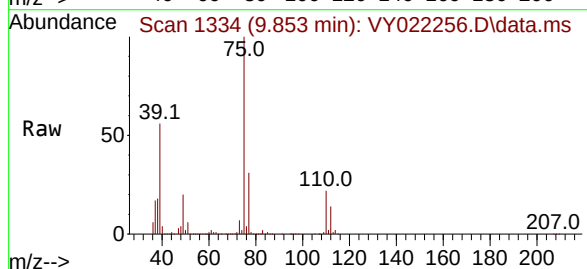
Manual Integrations
APPROVED

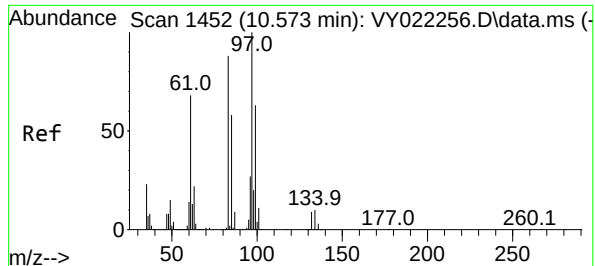
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

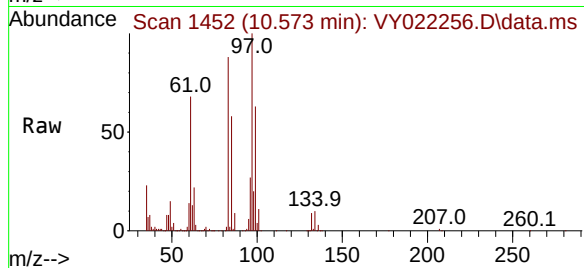
Tgt Ion: 75 Resp: 246990
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 55.6 44.5 66.7





#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

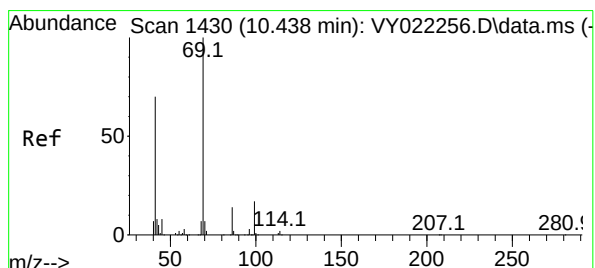
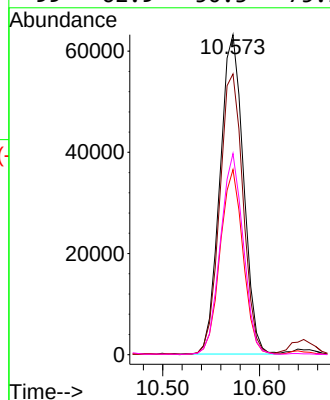
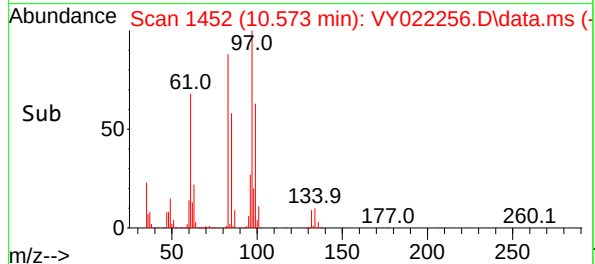
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

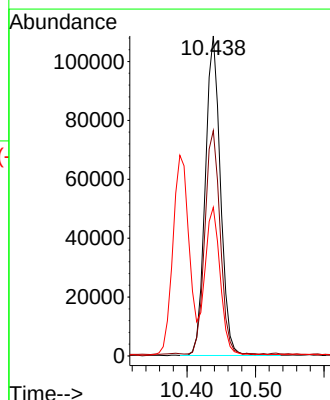
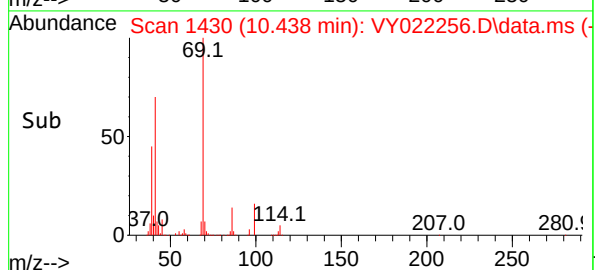
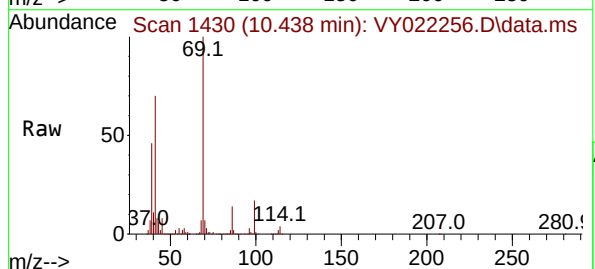
Manual Integrations
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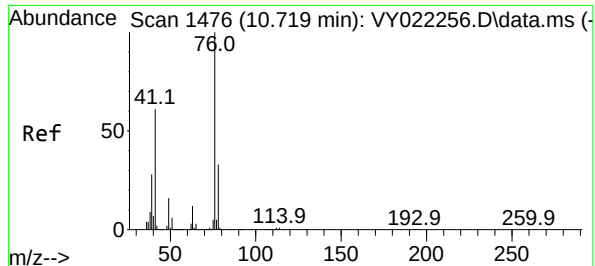
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

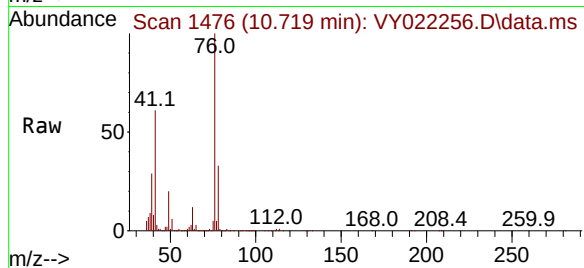
Tgt Ion: 69 Resp: 167259
Ion Ratio Lower Upper
69 100
41 70.6 56.5 84.7
39 46.4 37.1 55.7





#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

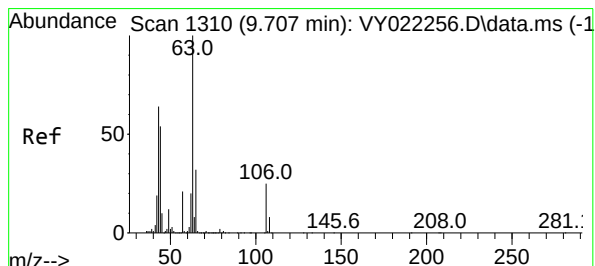
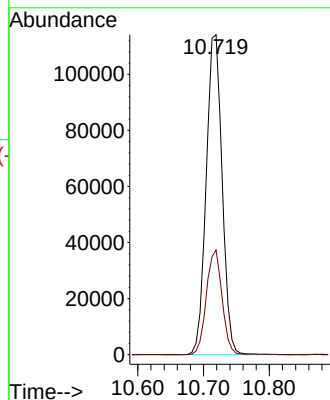
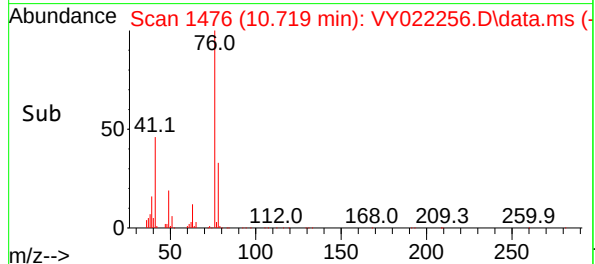
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



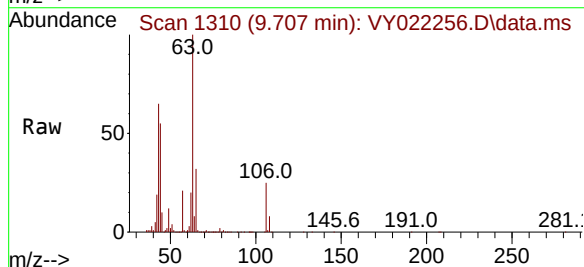
Tgt Ion: 76 Resp: 192279
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

Manual Integrations
APPROVED

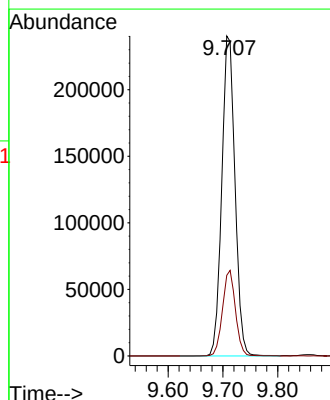
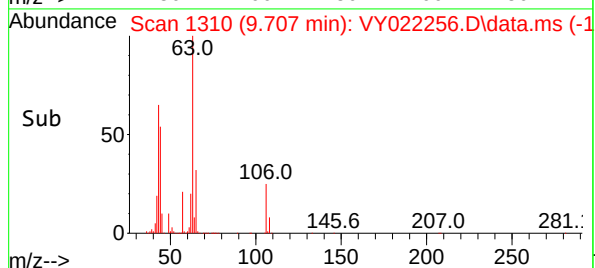
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

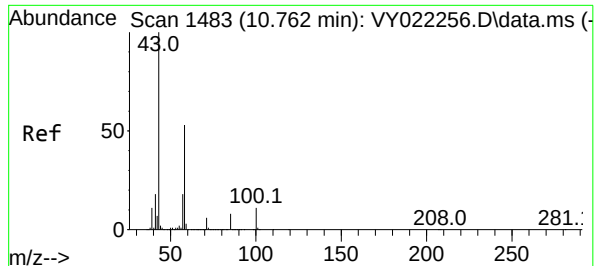


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



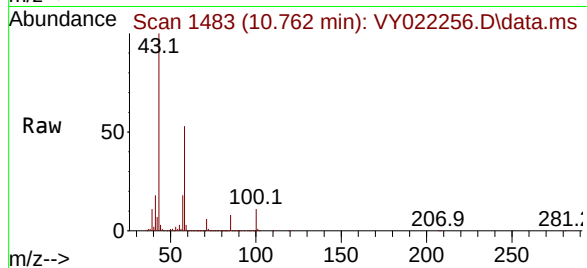
Tgt Ion: 63 Resp: 403074
Ion Ratio Lower Upper
63 100
106 26.2 21.0 31.4





#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

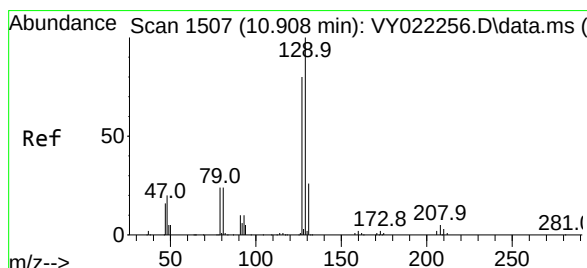
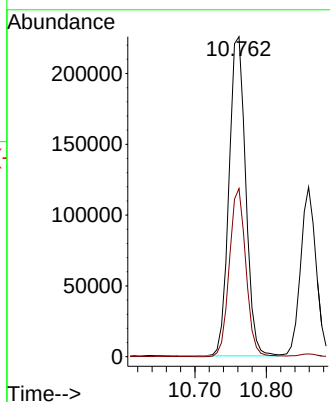
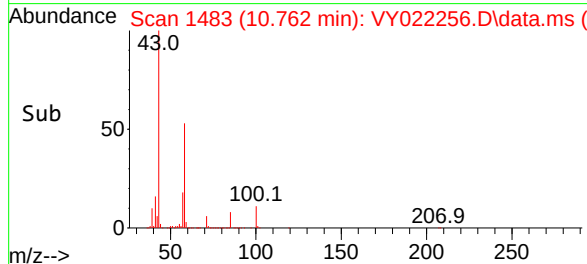
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

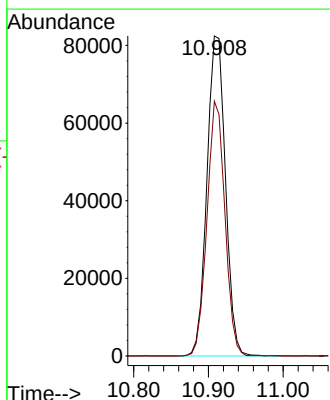
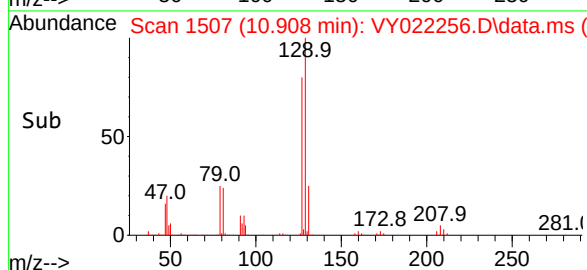
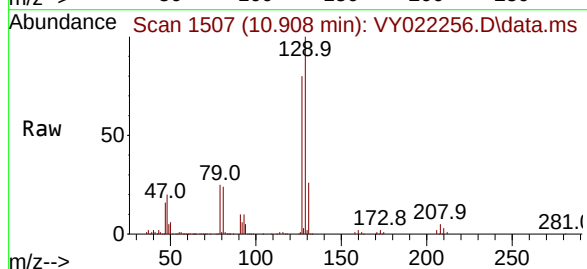
Manual Integrations
APPROVED

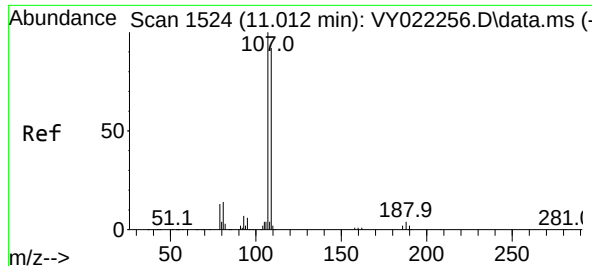
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

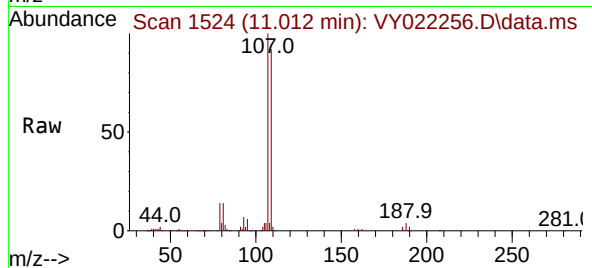
Tgt Ion:129 Resp: 141896
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#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

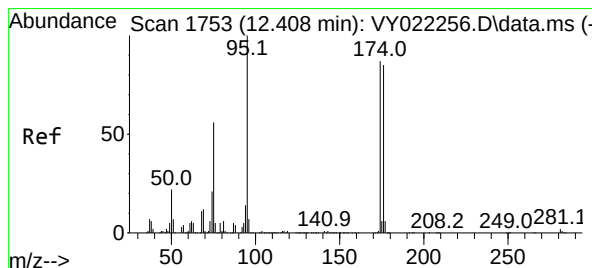
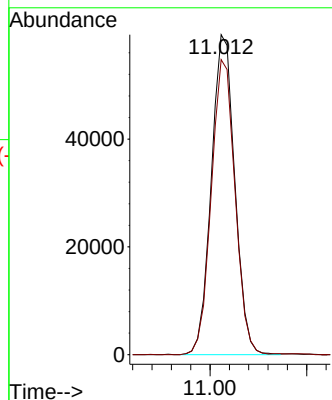
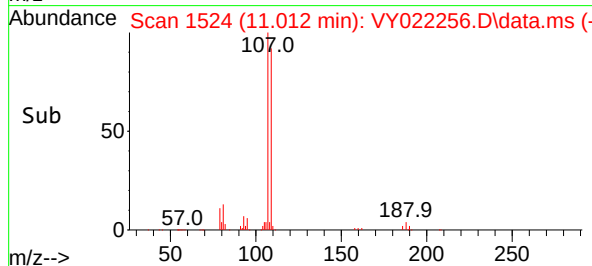
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

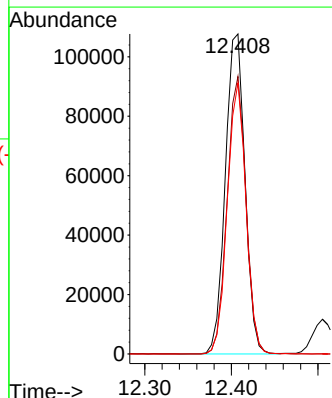
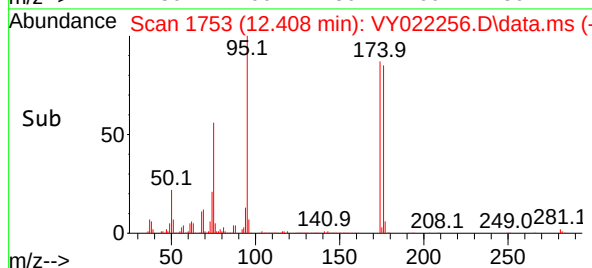
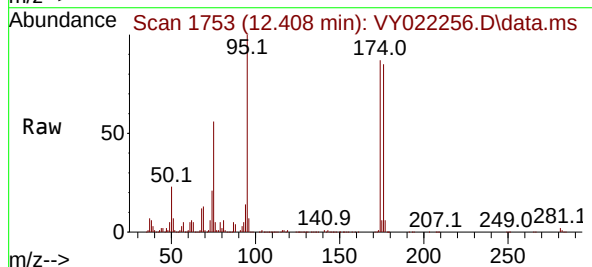
Manual Integrations
APPROVED

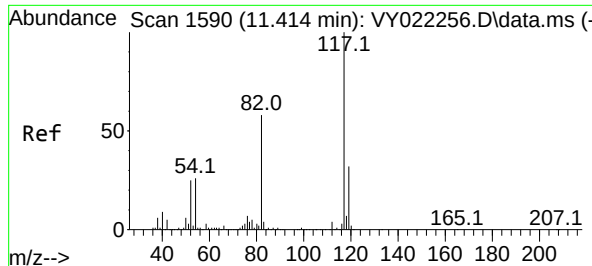
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

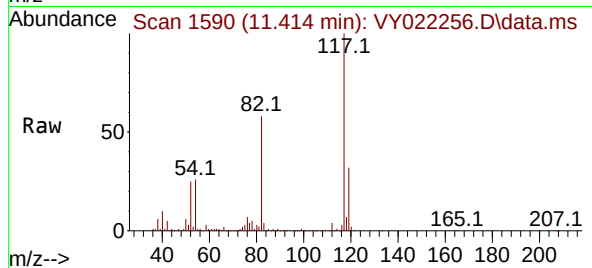
Tgt Ion: 95 Resp: 169827
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 80.4 0.0 160.8





#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

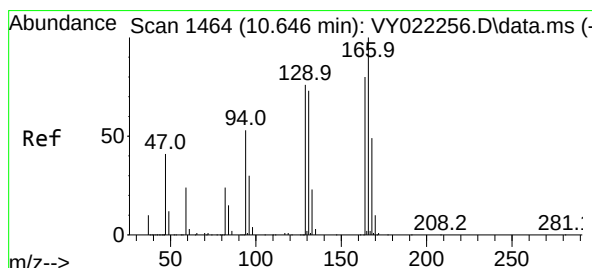
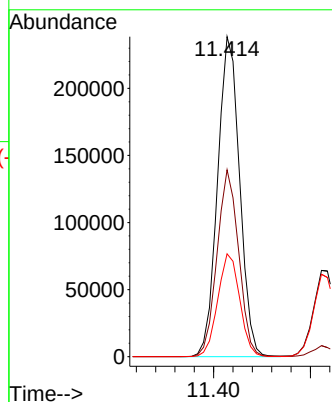
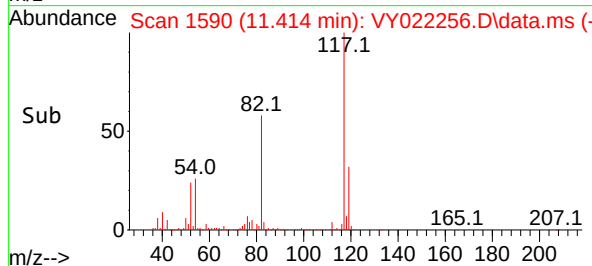
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

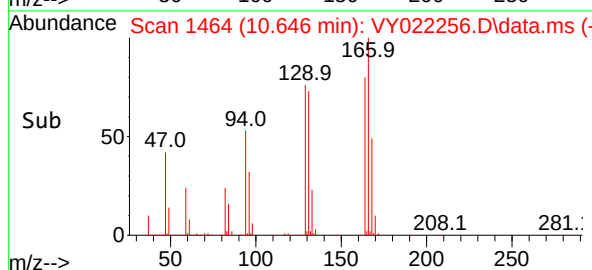
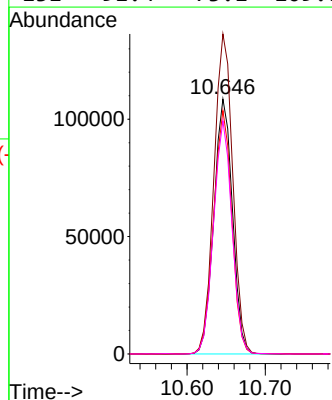
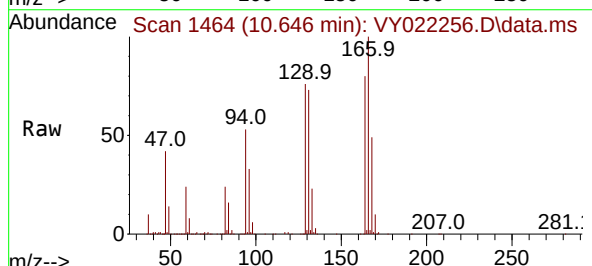
Manual Integrations
APPROVED

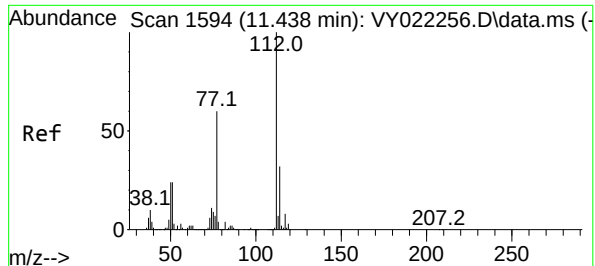
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

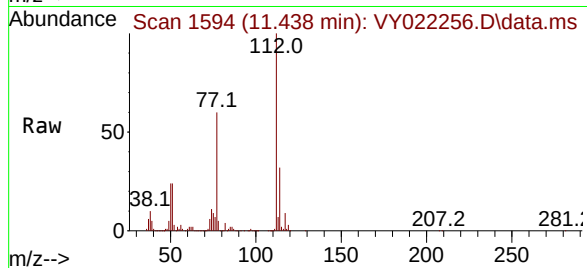
Tgt Ion:164 Resp: 178854
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 95.5 76.4 114.6
131 91.4 73.1 109.7





#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

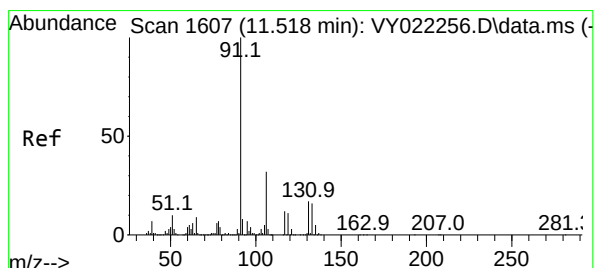
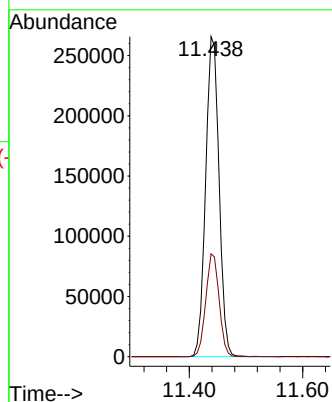
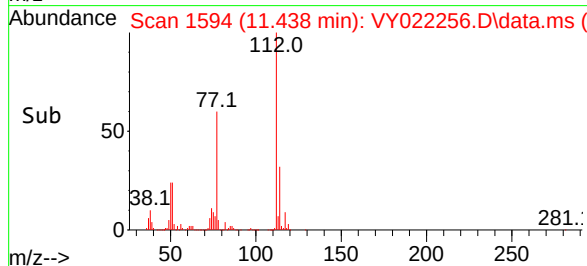
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

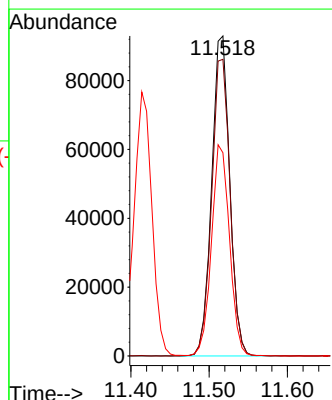
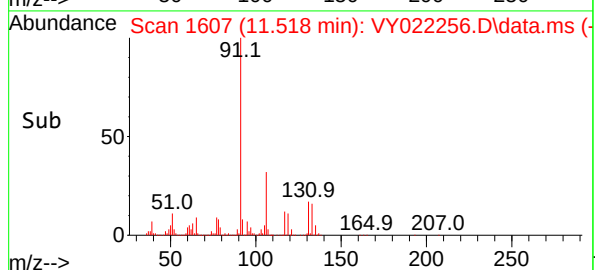
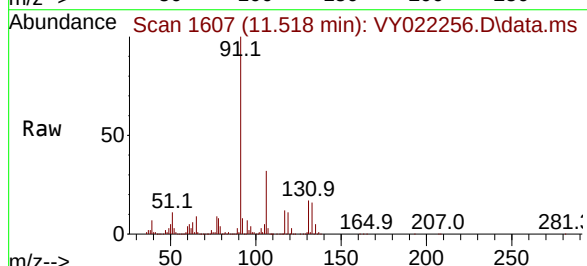
Manual Integrations
APPROVED

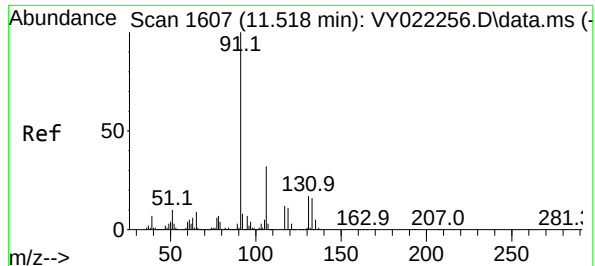
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

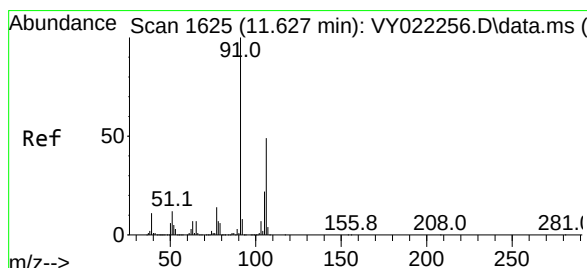
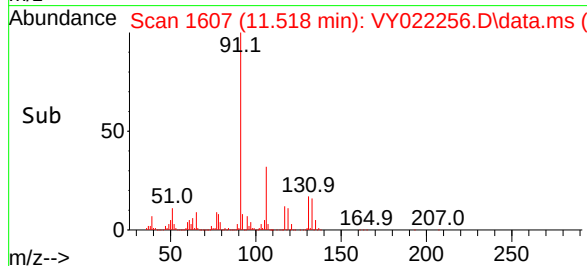
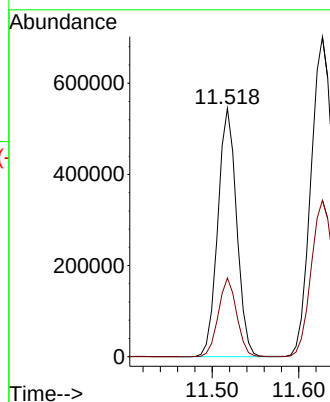
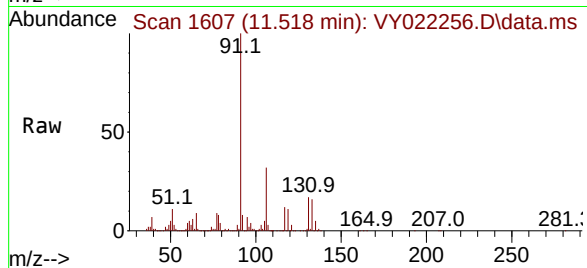
106 31.7 25.4 38.0

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

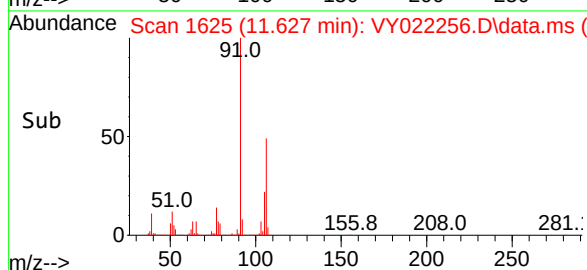
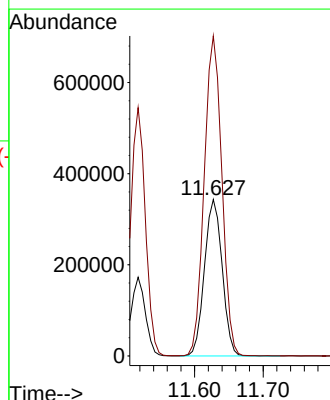
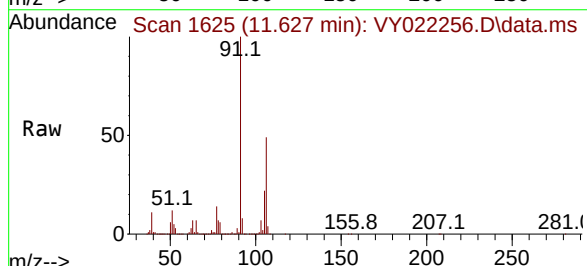
Acq: 15 May 2025 11:02

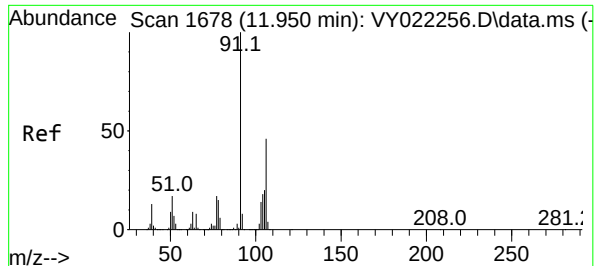
Tgt Ion:106 Resp: 617646

Ion Ratio Lower Upper

106 100

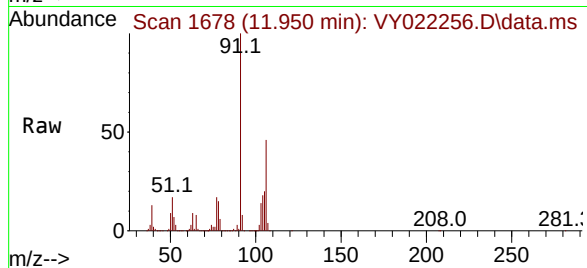
91 203.7 163.0 244.4





#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

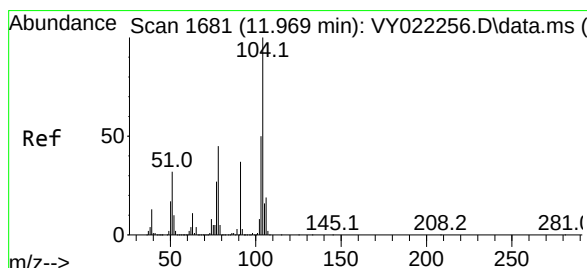
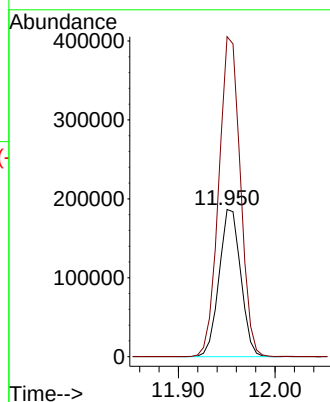
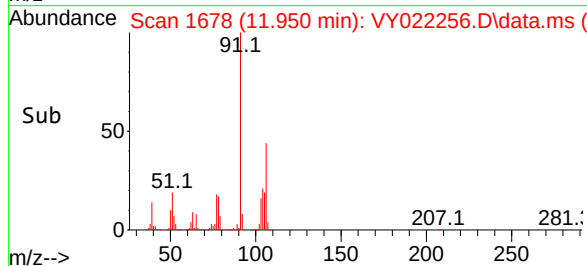
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

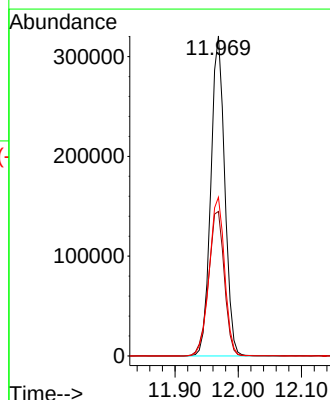
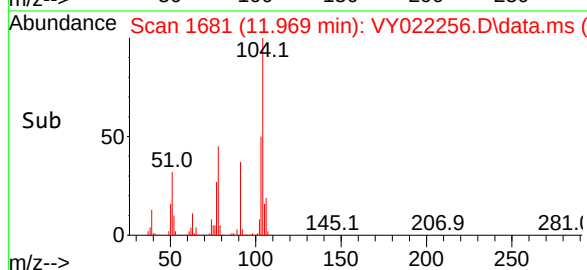
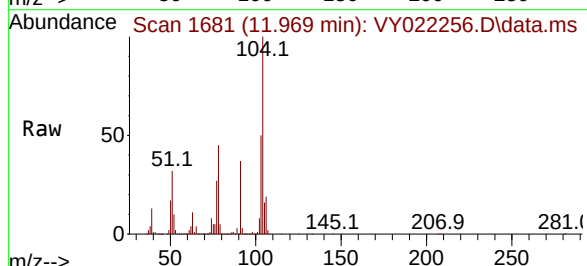
Manual Integrations
APPROVED

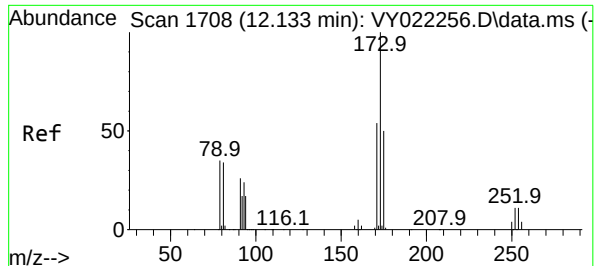
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

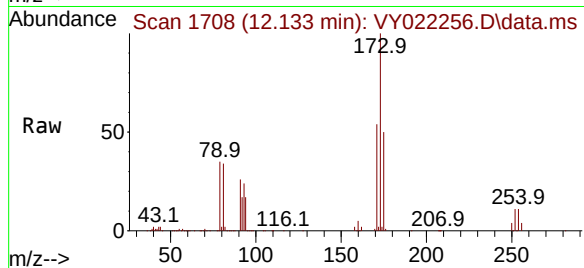
Tgt Ion:104 Resp: 491792
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 54.6 43.7 65.5





#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

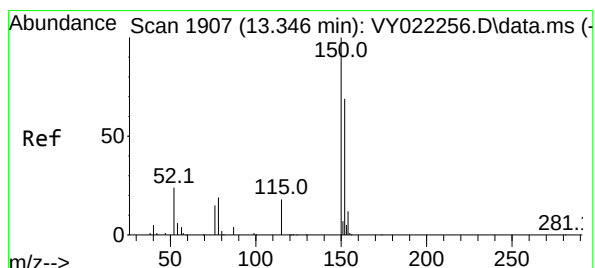
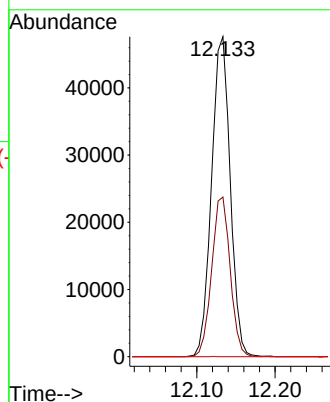
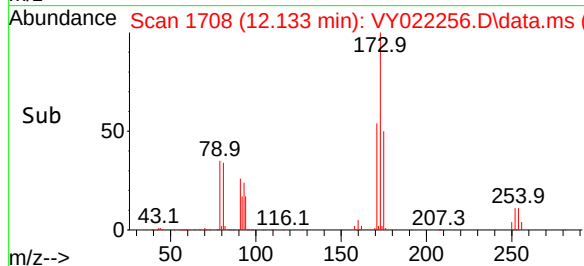
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



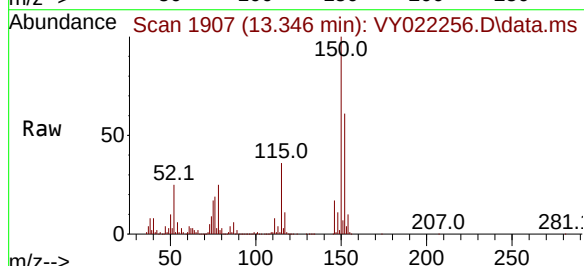
Tgt Ion:173 Resp: 78794
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.0 0.0 0.0

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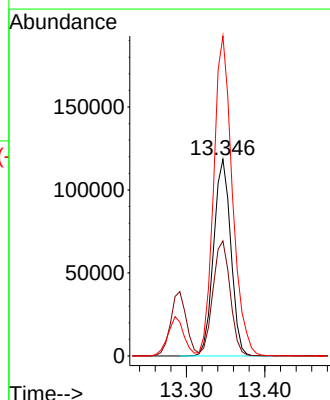
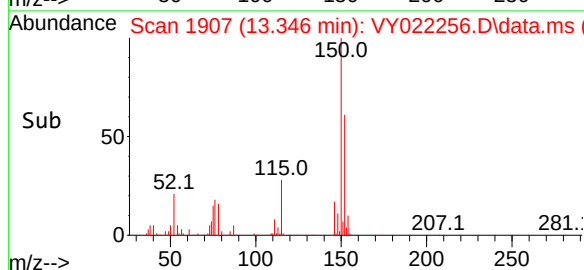
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

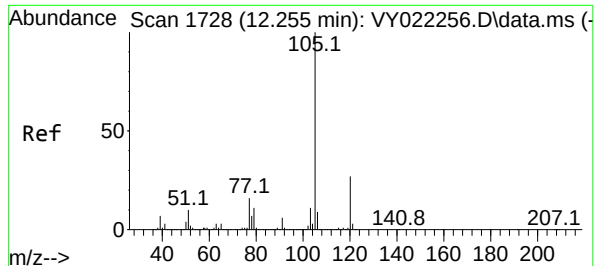


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



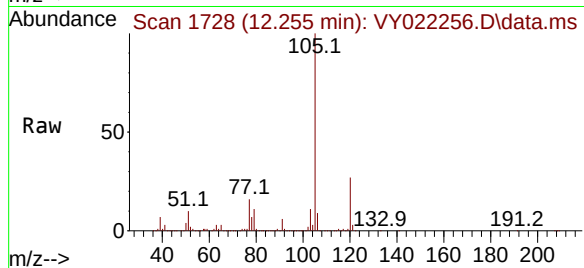
Tgt Ion:152 Resp: 180358
Ion Ratio Lower Upper
152 100
115 58.8 29.4 88.2
150 176.9 0.0 353.8





#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

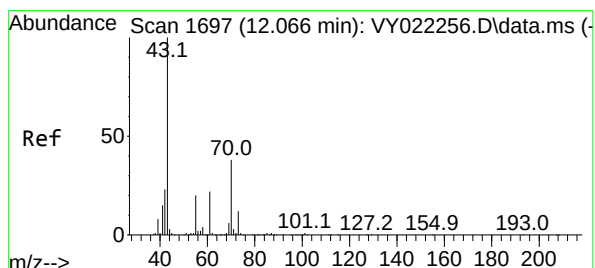
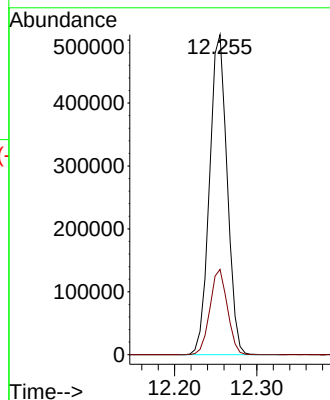
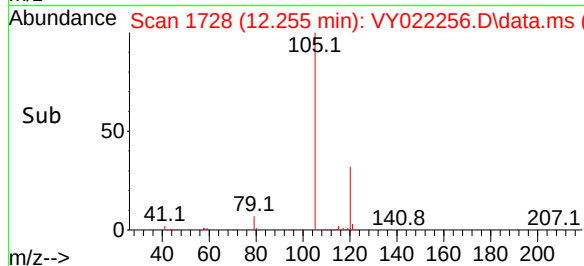
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 75690
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

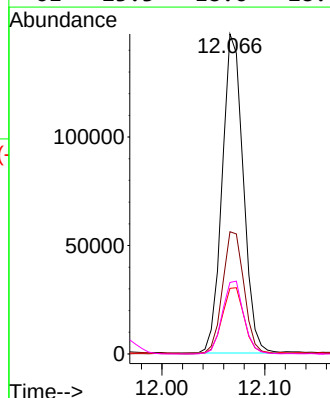
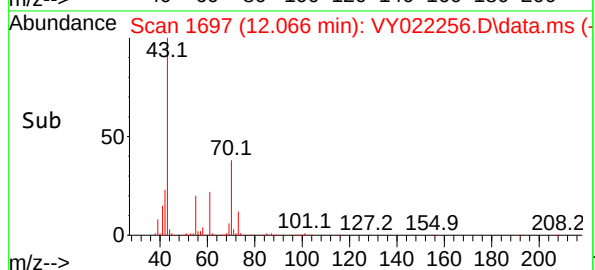
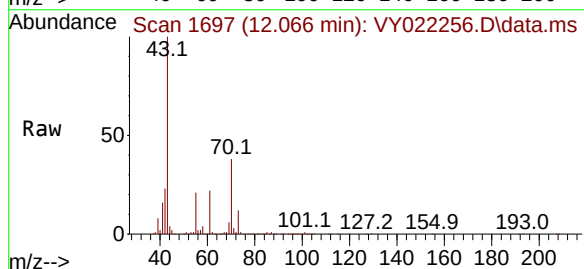
Manual Integrations
APPROVED

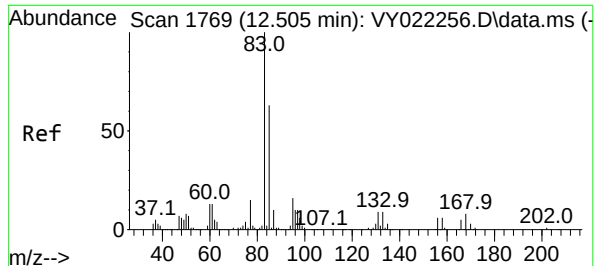
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





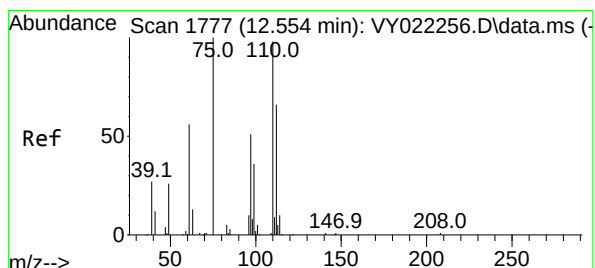
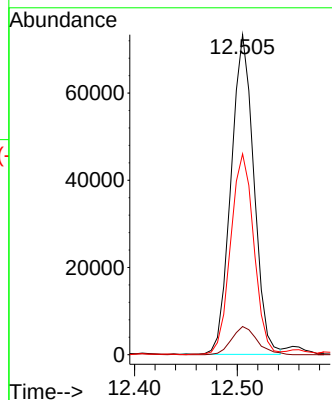
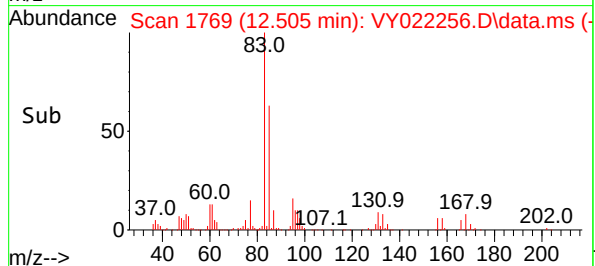
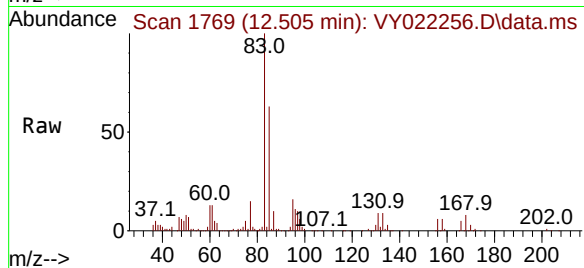
#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

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

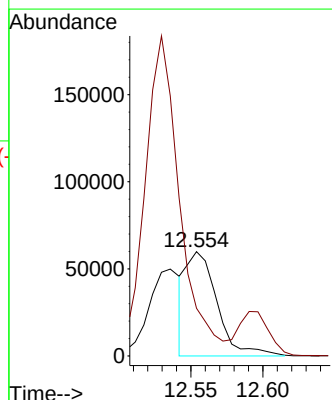
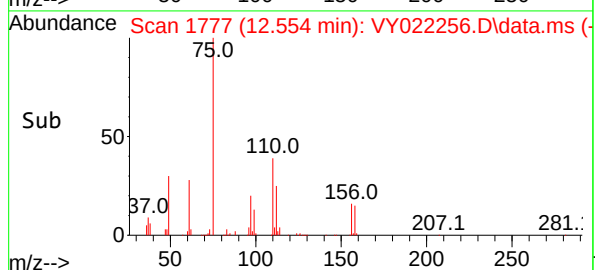
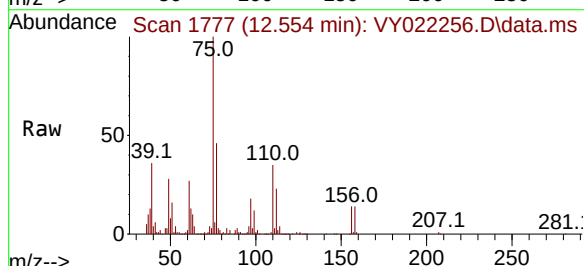
Manual Integrations
APPROVED

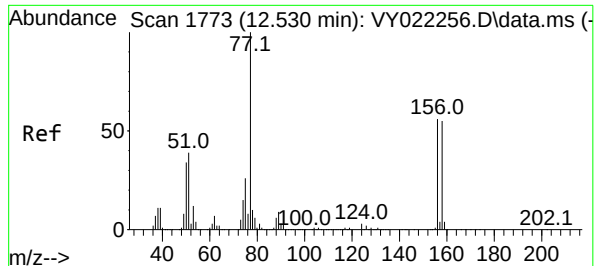
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

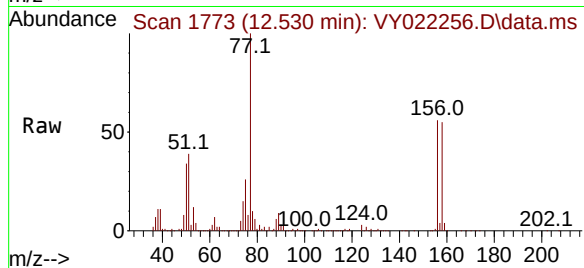
Tgt Ion: 75 Resp: 90281
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

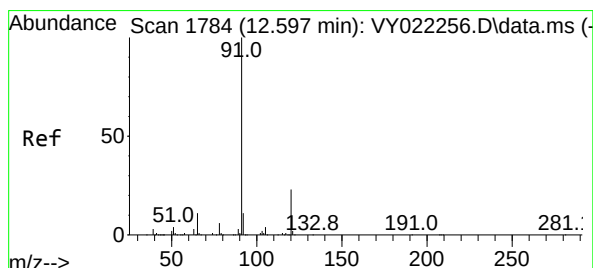
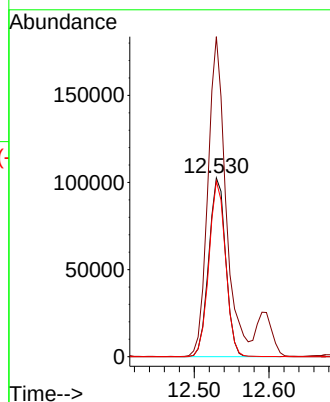
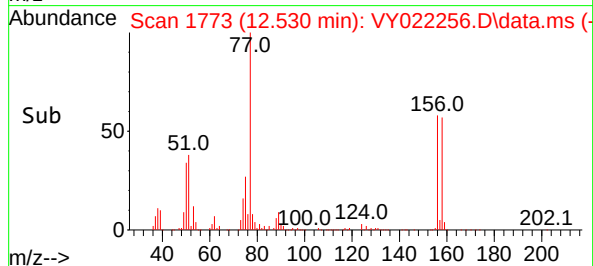
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

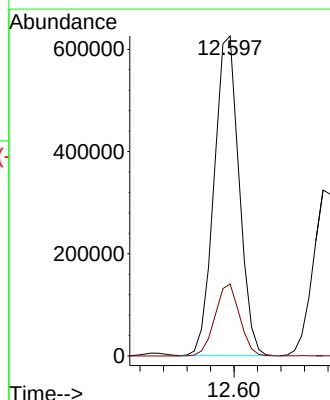
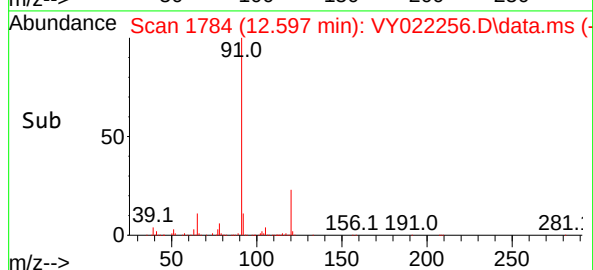
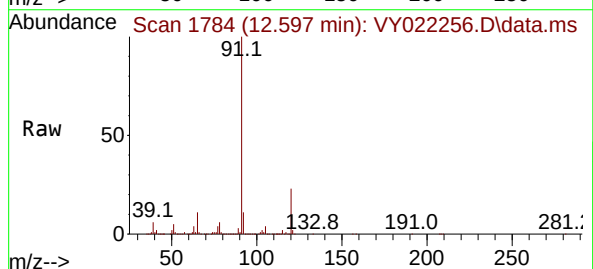
Manual Integrations
APPROVED

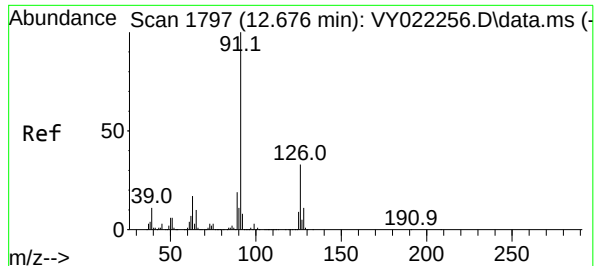
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

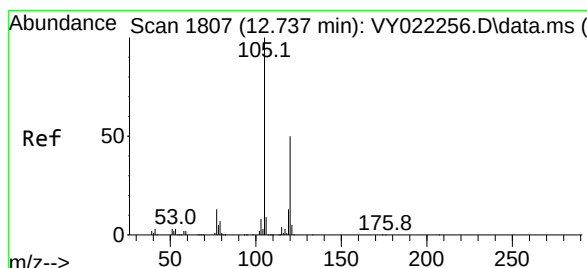
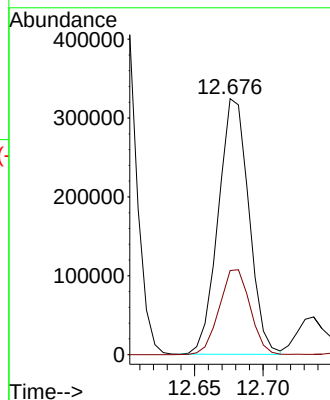
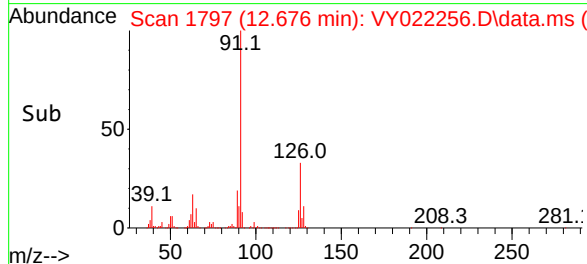
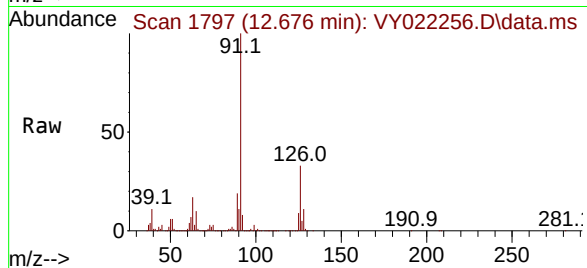
126 33.6 16.8 50.4

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

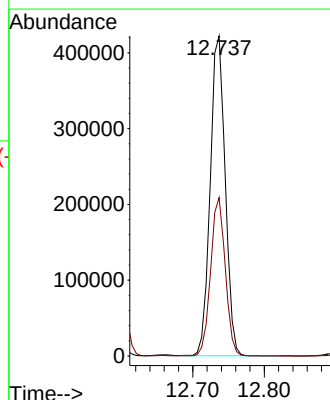
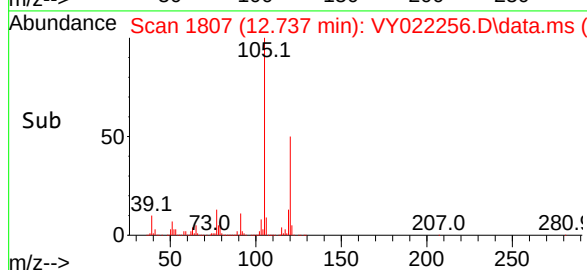
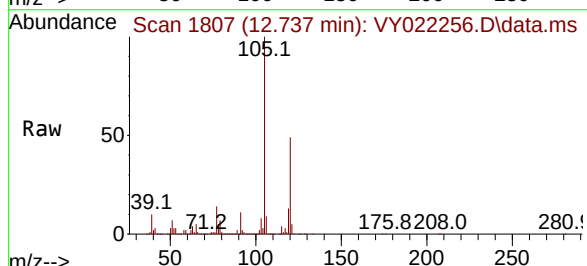
Acq: 15 May 2025 11:02

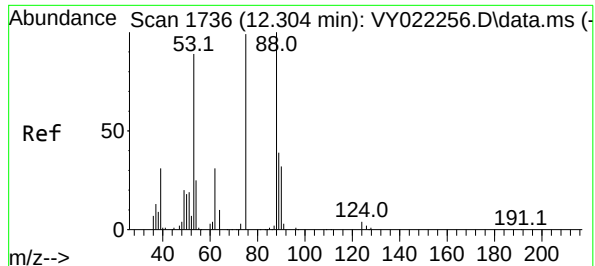
Tgt Ion:105 Resp: 615033

Ion Ratio Lower Upper

105 100

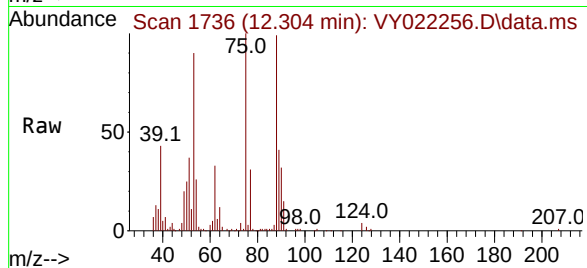
120 48.4 24.2 72.6





#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

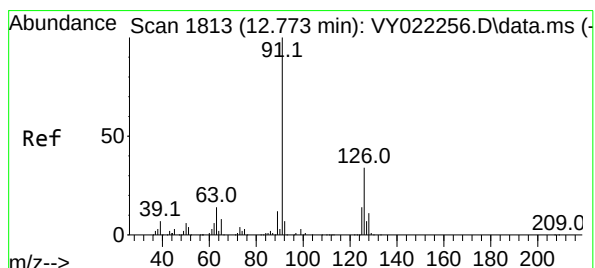
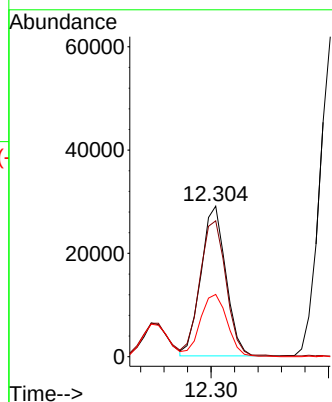
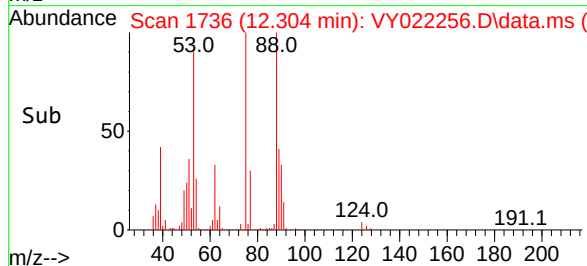
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

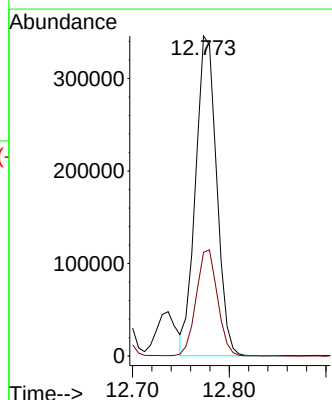
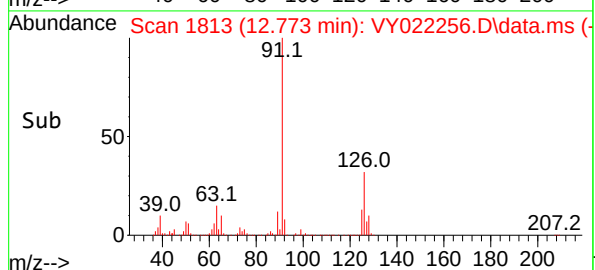
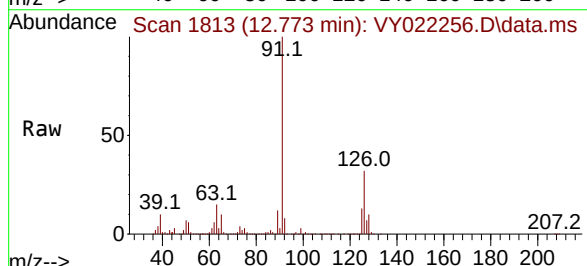
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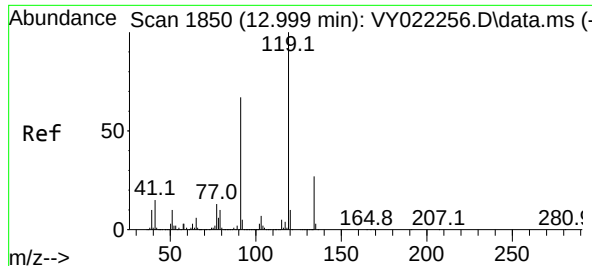
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

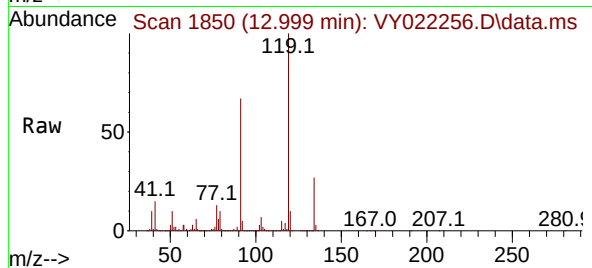
Tgt Ion: 91 Resp: 524270
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4





#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

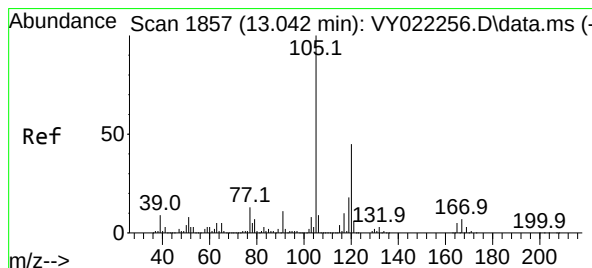
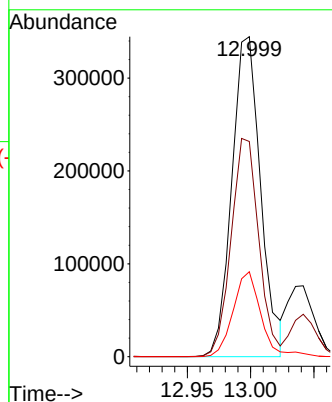
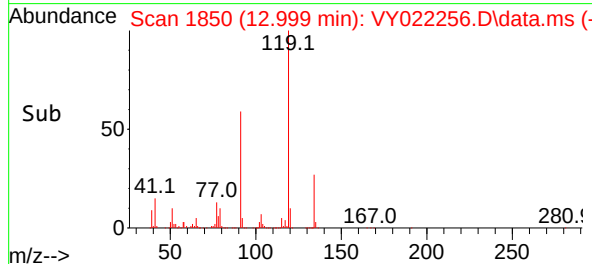
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



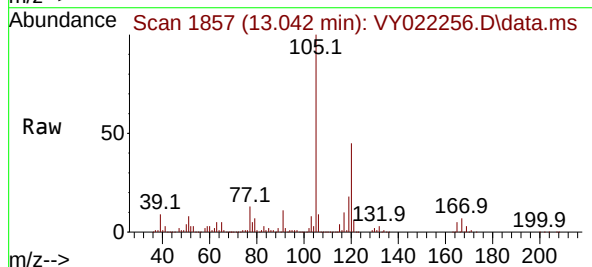
Tgt Ion:119 Resp: 54623
Ion Ratio Lower Upper
119 100
91 65.5 32.8 98.3
134 25.7 12.9 38.6

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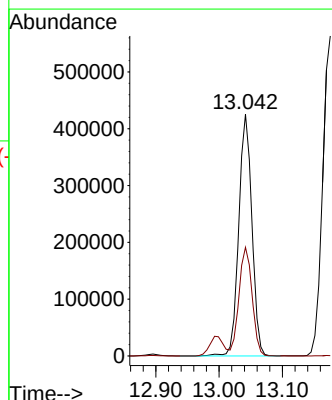
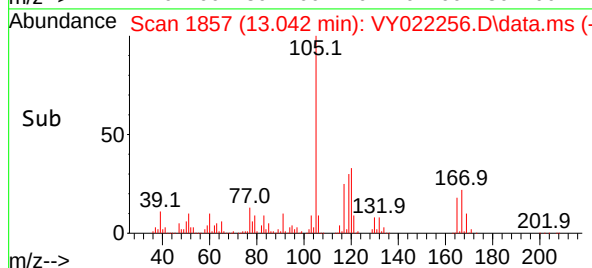
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

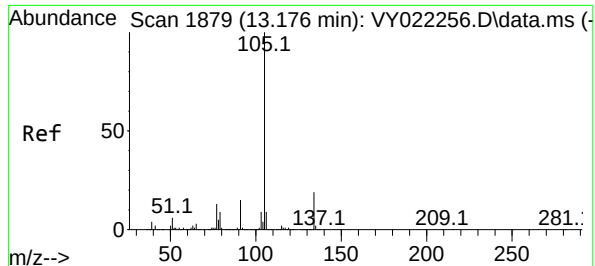


#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



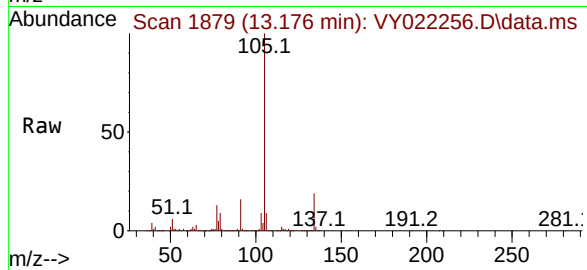
Tgt Ion:105 Resp: 615550
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.9





#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

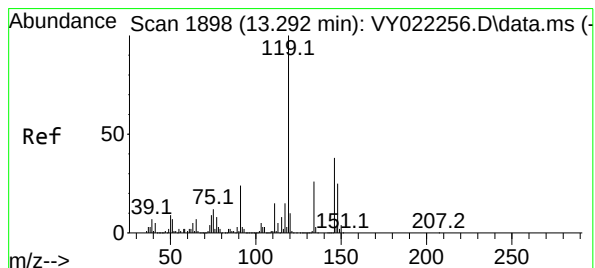
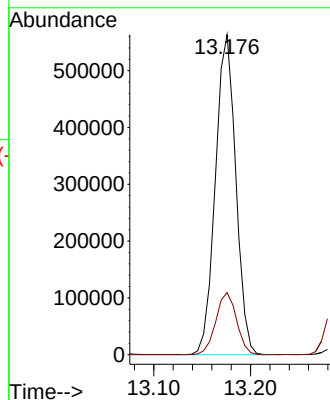
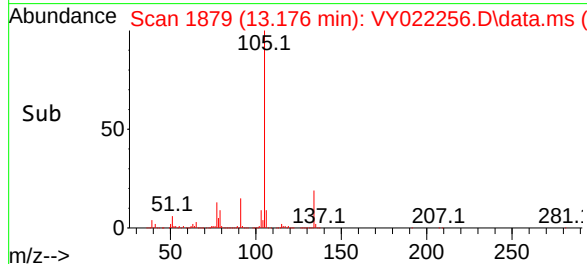
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 824725
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

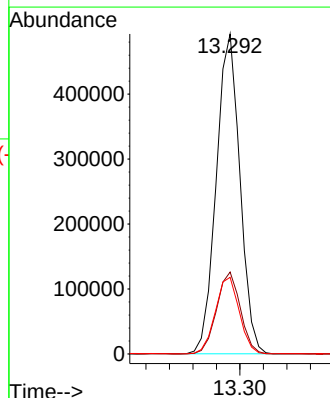
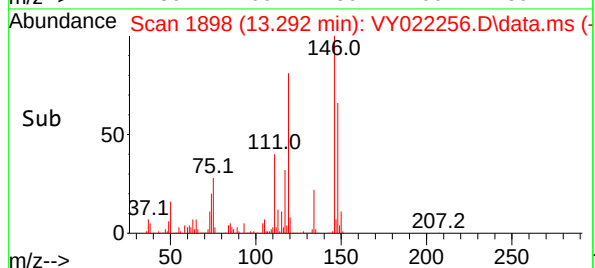
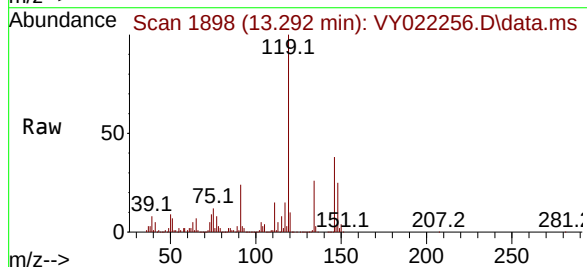
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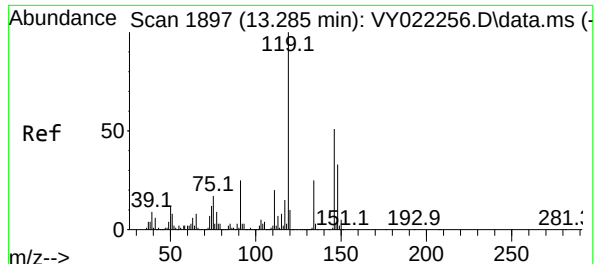
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

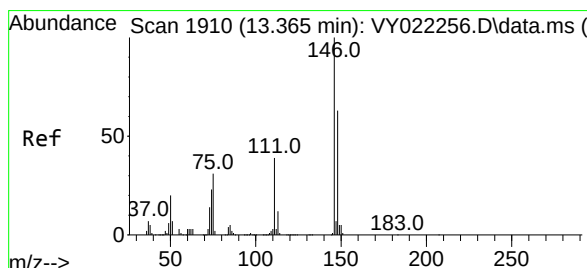
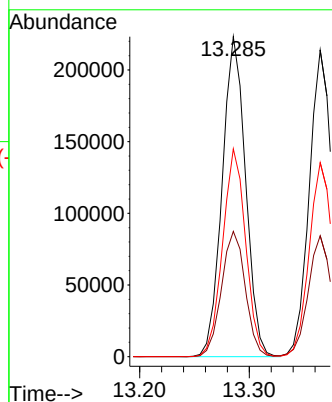
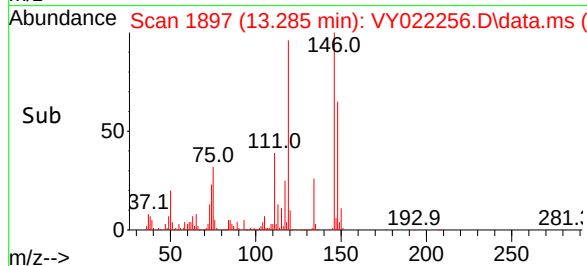
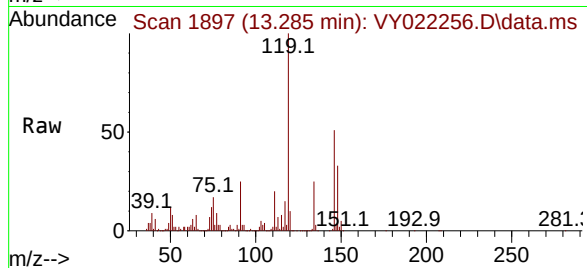
148 63.8 31.9 95.7

Manual Integrations

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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

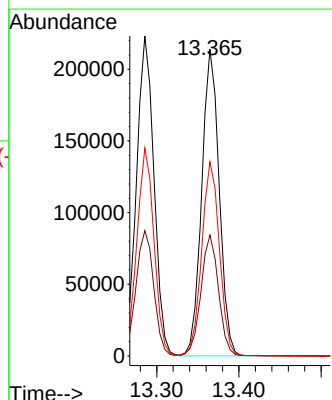
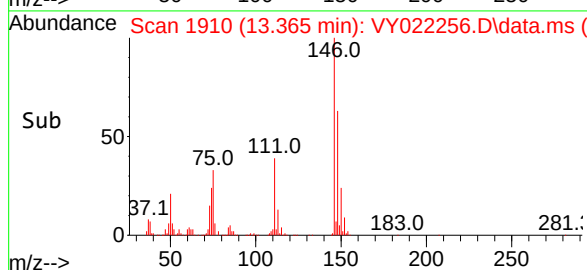
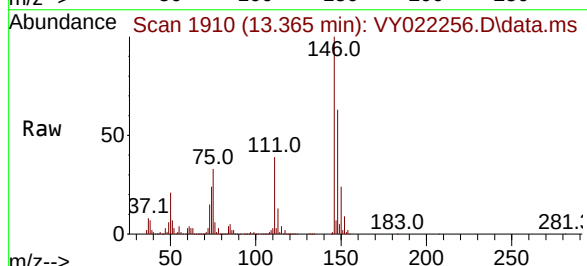
Tgt Ion:146 Resp: 315598

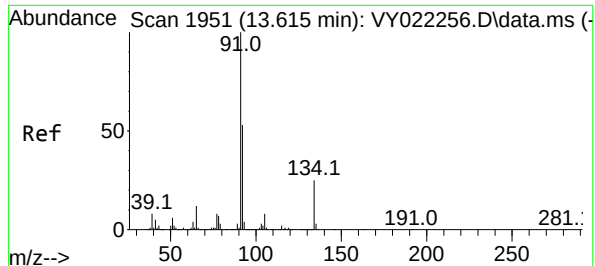
Ion Ratio Lower Upper

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

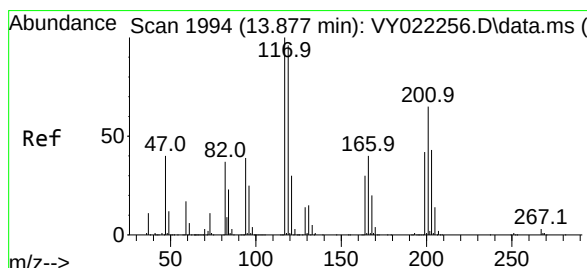
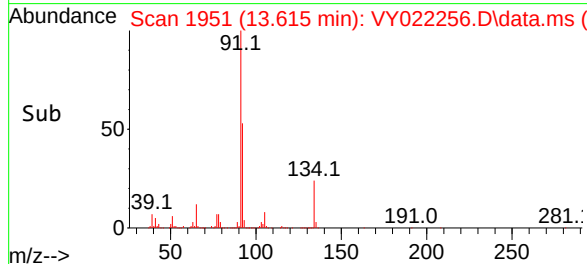
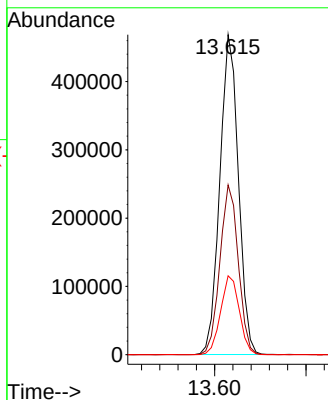
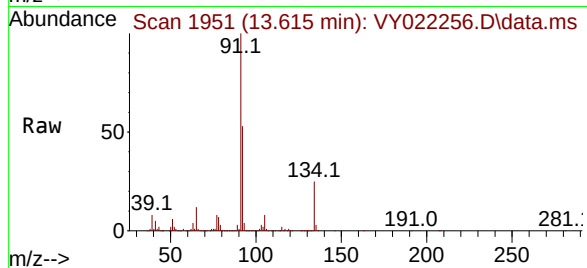
91 100

92 52.6 26.3 78.9

134 24.9 12.4 37.4

Manual Integrations

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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

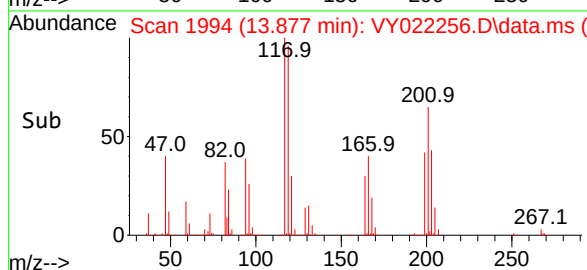
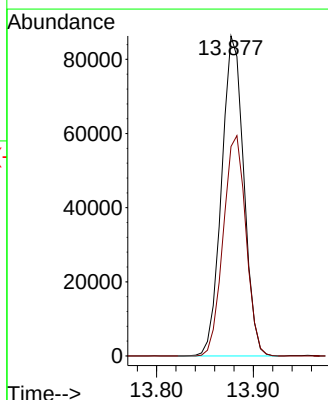
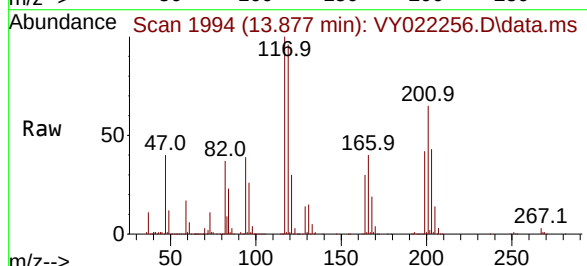
Acq: 15 May 2025 11:02

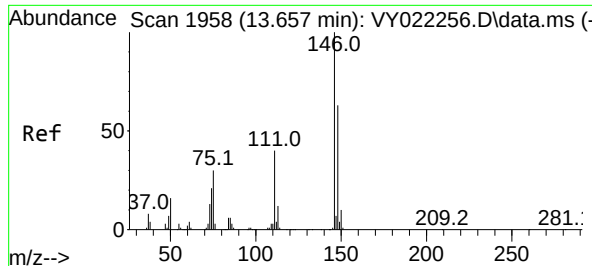
Tgt Ion:117 Resp: 137225

Ion Ratio Lower Upper

117 100

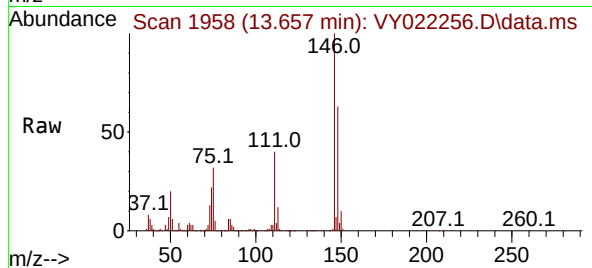
201 70.4 35.2 105.6





#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

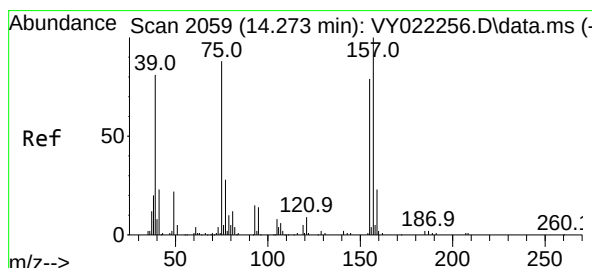
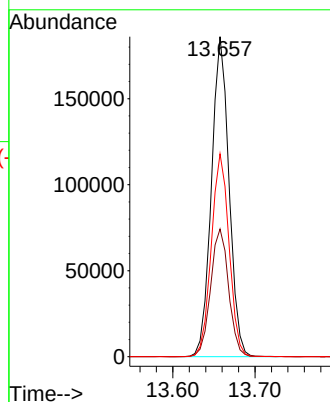
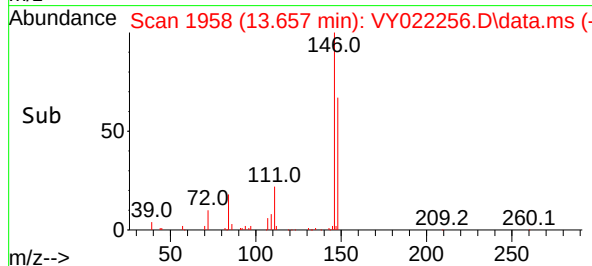
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

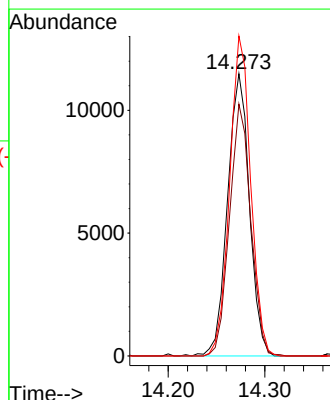
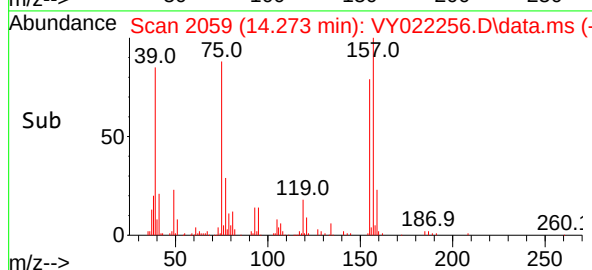
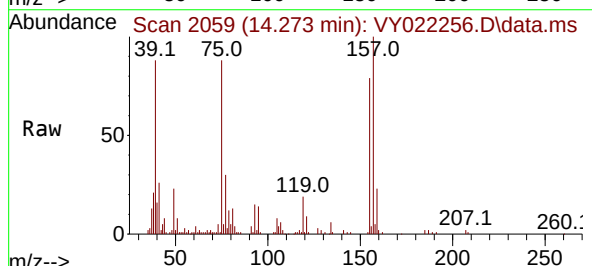
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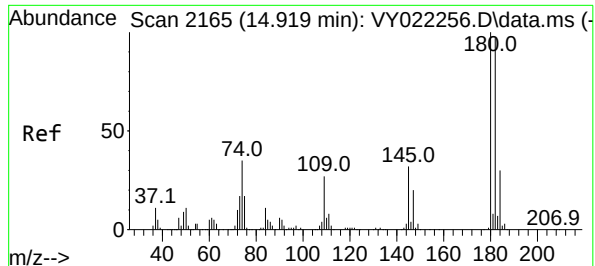
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

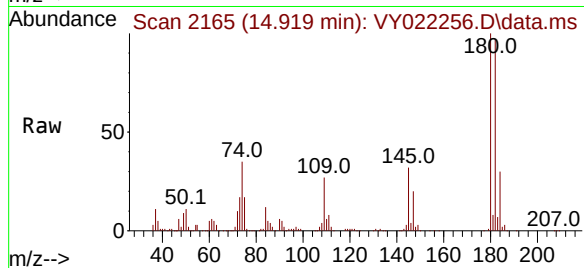
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

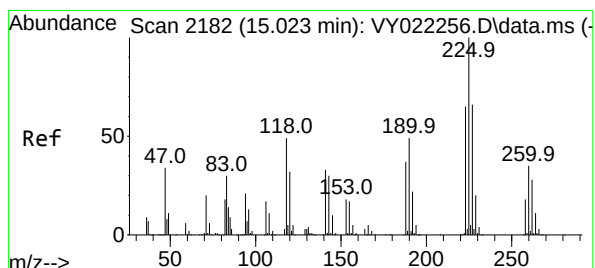
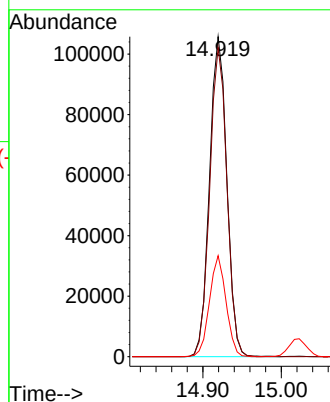
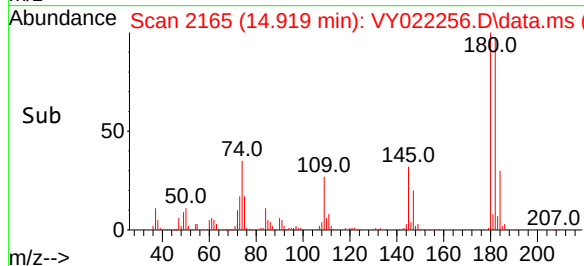


Tgt Ion:	180	Resp:	162275
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

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



#94

Hexachlorobutadiene

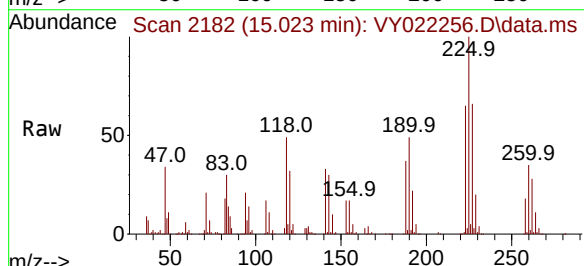
Concen: 51.313 ug/l

RT: 15.023 min Scan# 2182

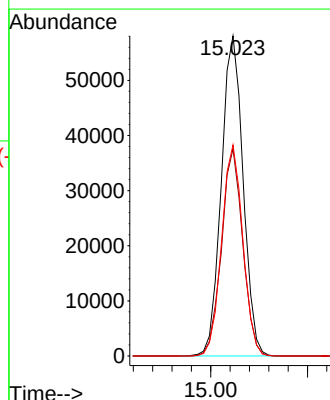
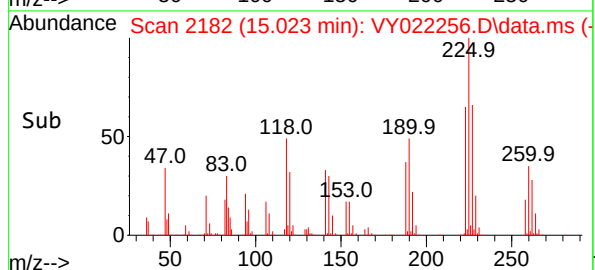
Delta R.T. 0.000 min

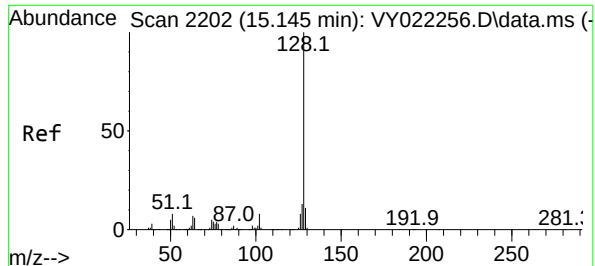
Lab File: VY022256.D

Acq: 15 May 2025 11:02



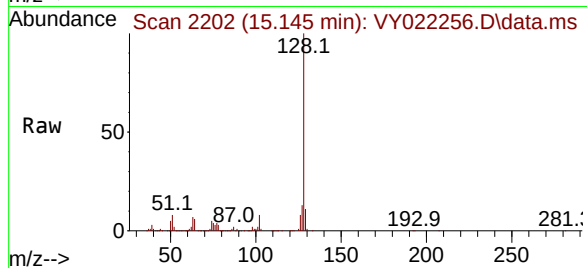
Tgt Ion:	225	Resp:	90452
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3





#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

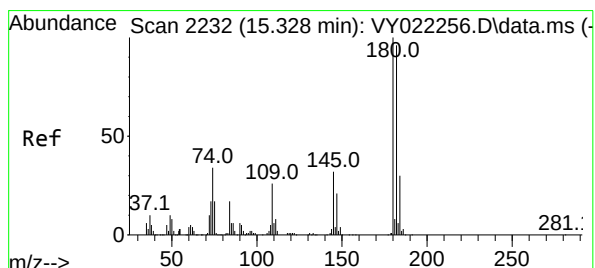
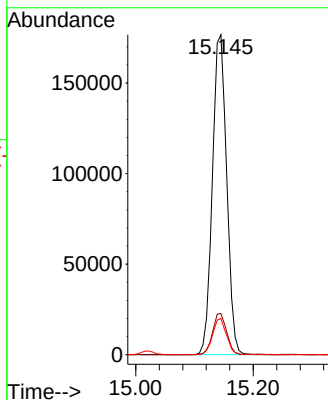
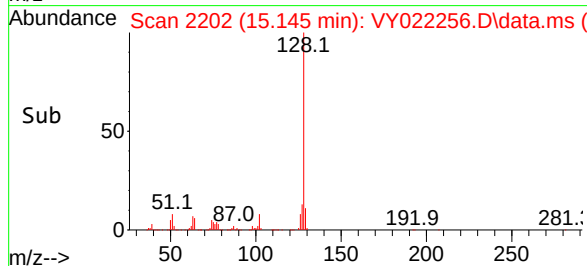
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

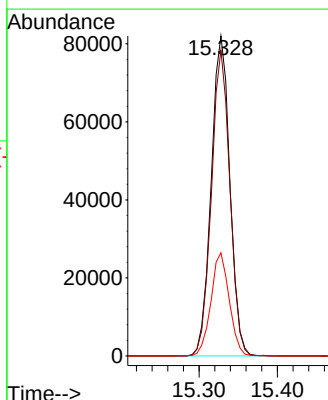
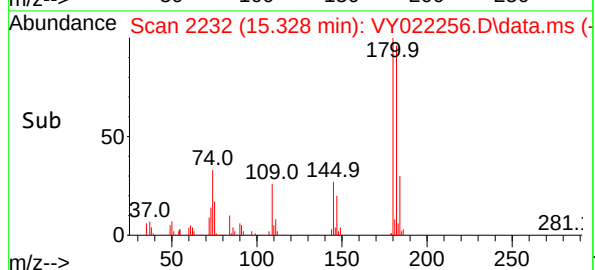
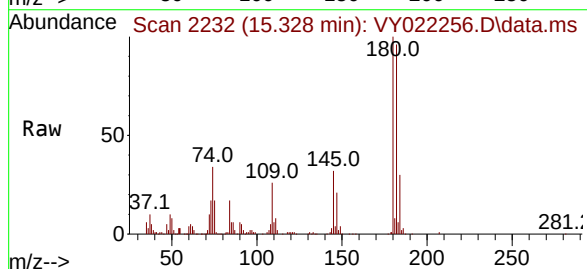
Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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
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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 : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

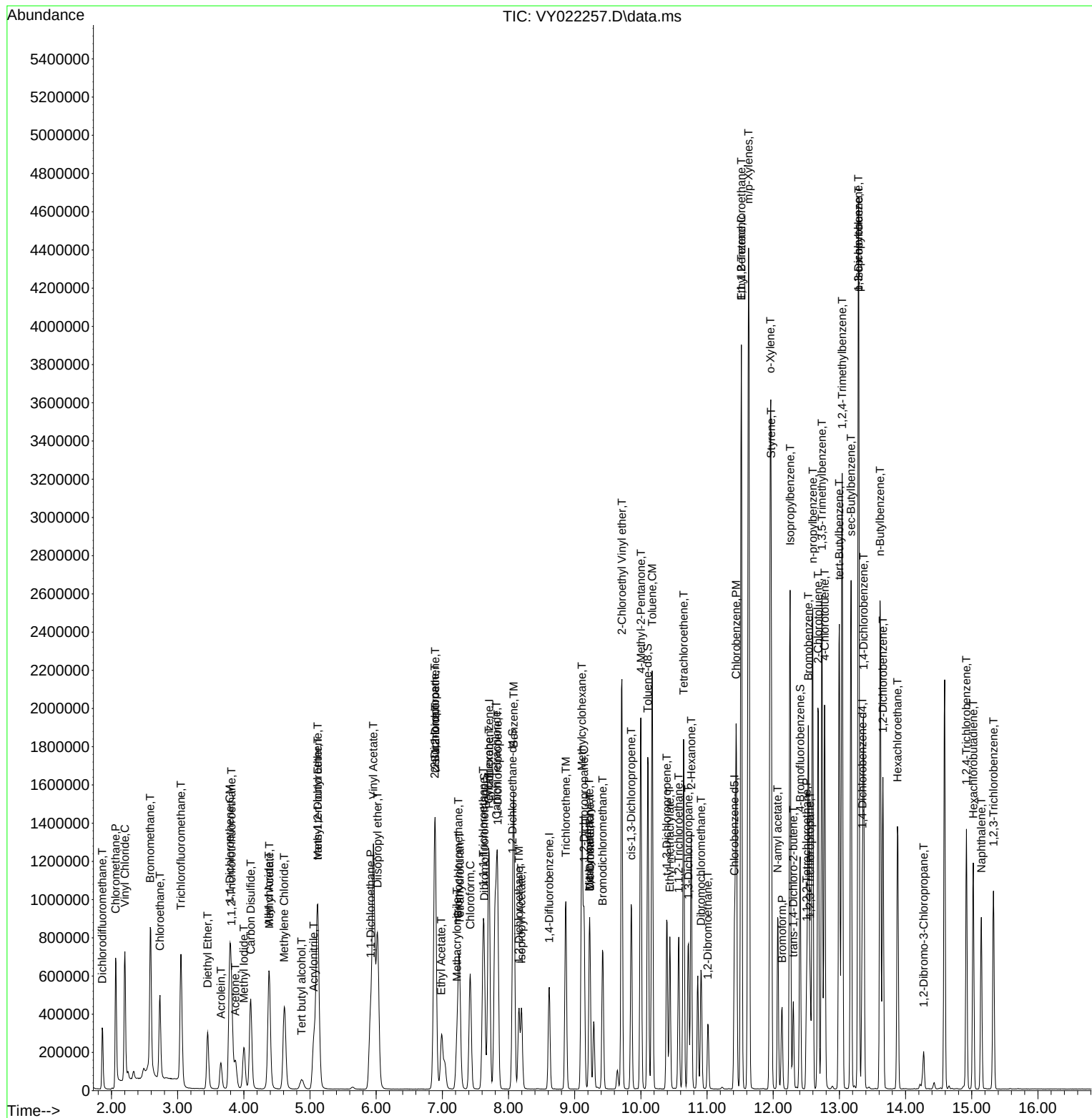
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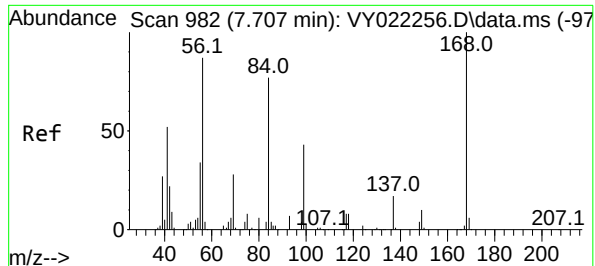
Manual Integrations

APPROVED

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

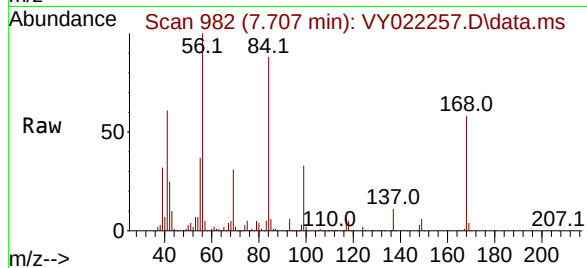
Quant Time: May 16 01:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration





#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

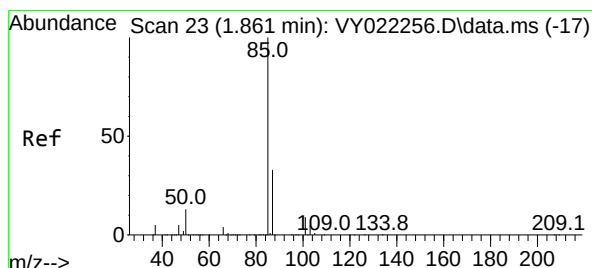
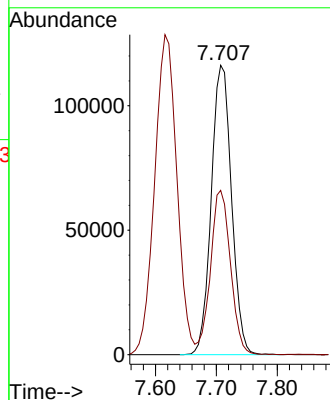
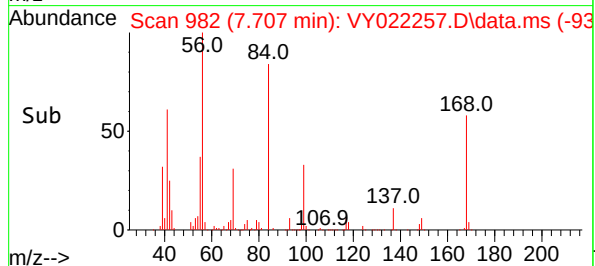
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 168 Resp: 26839
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4

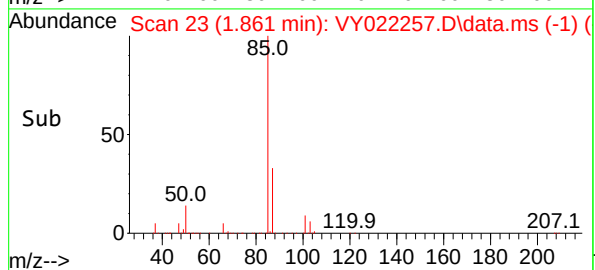
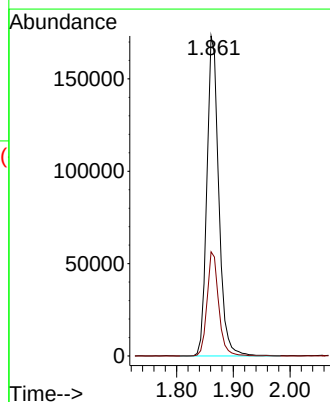
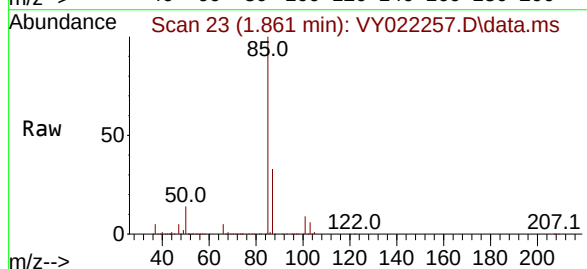
Manual Integrations
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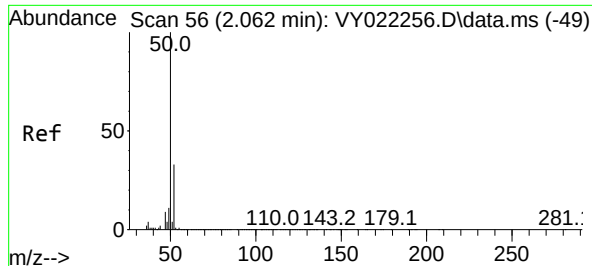
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

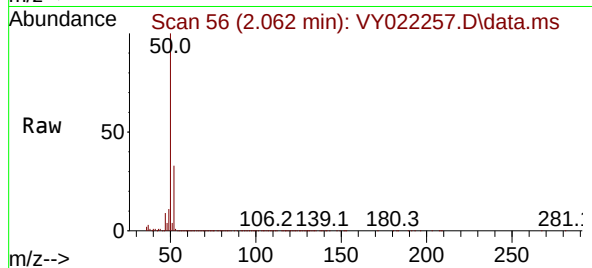
Tgt Ion: 85 Resp: 252438
Ion Ratio Lower Upper
85 100
87 32.6 16.5 49.5





#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

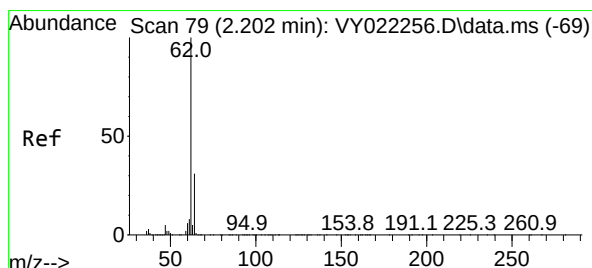
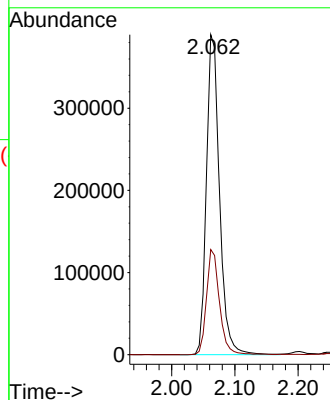
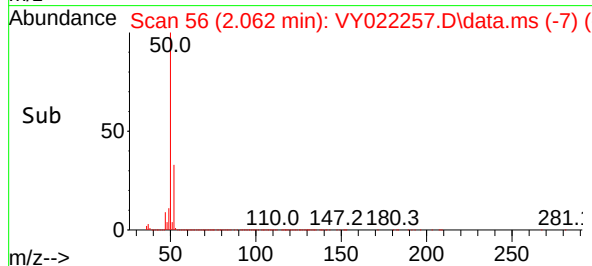
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 50 Resp: 56144
Ion Ratio Lower Upper
50 100
52 32.9 26.5 39.7

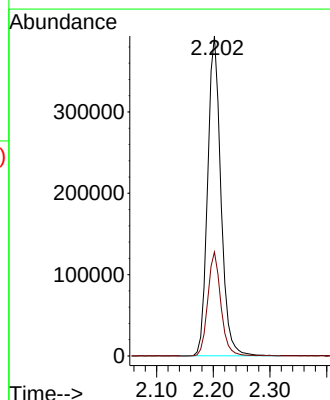
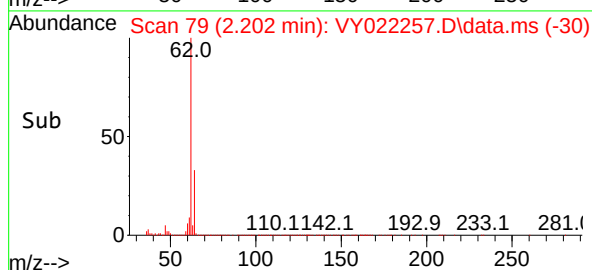
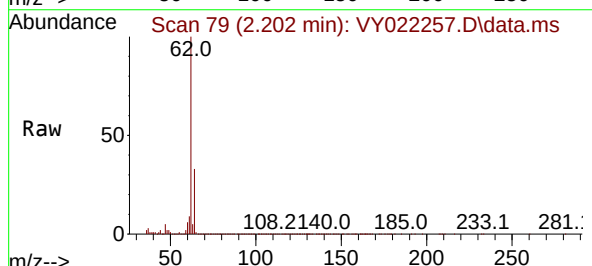
Manual Integrations
APPROVED

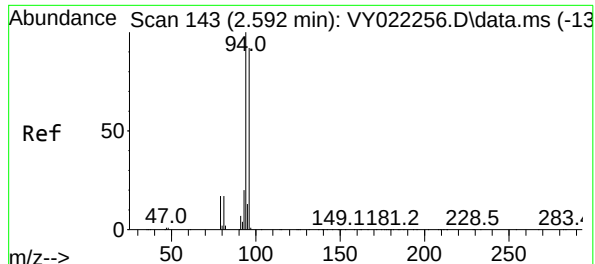
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

VSTDIC100

Tgt Ion: 94 Resp: 512452

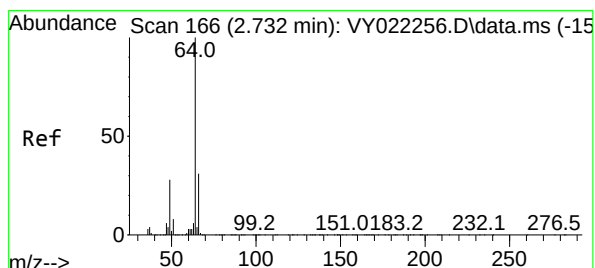
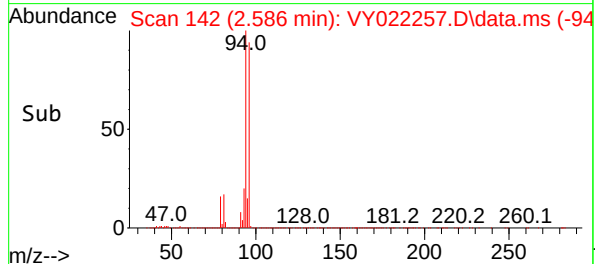
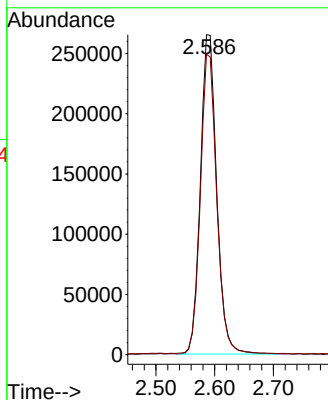
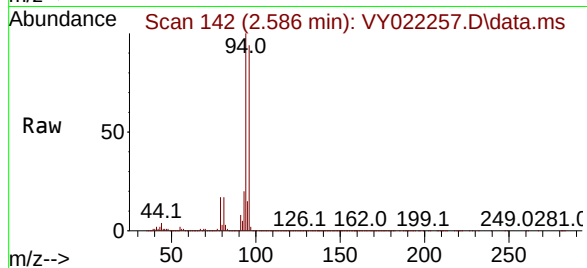
Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.0

Manual Integrations

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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

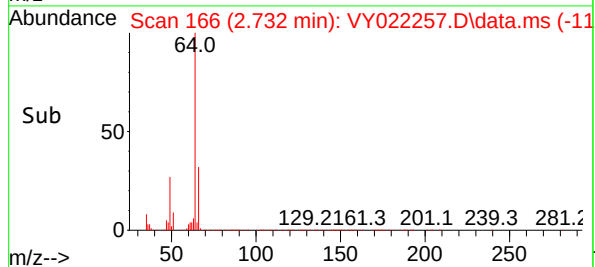
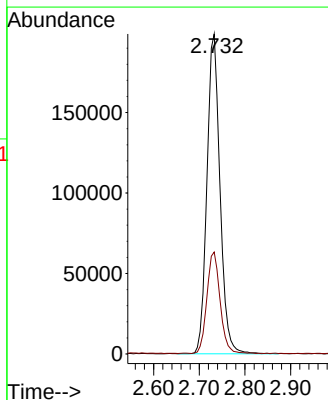
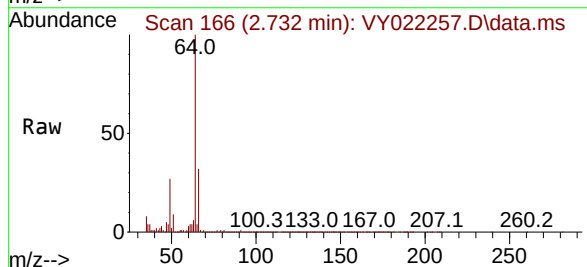
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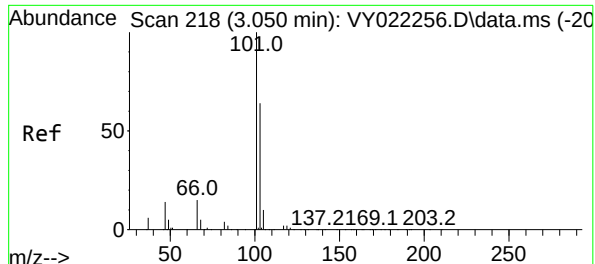
Tgt Ion: 64 Resp: 393556

Ion Ratio Lower Upper

64 100

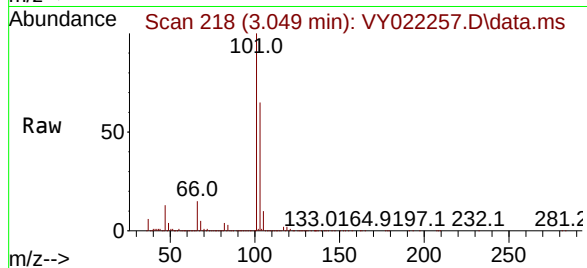
66 31.7 24.8 37.2





#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

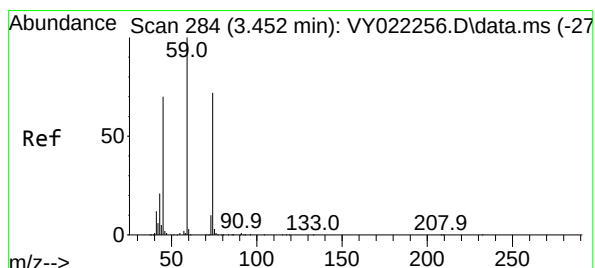
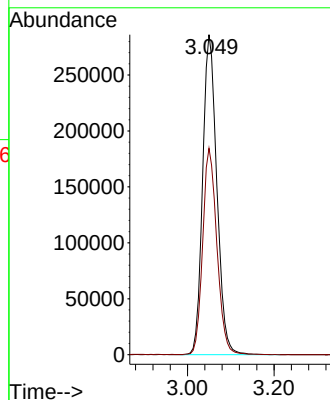
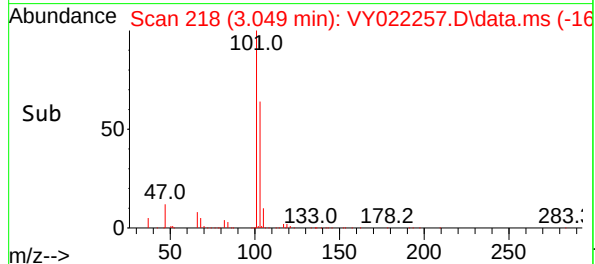
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:101 Resp: 65026
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

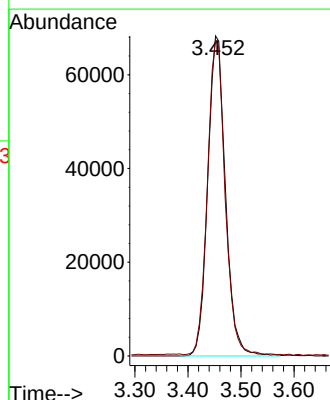
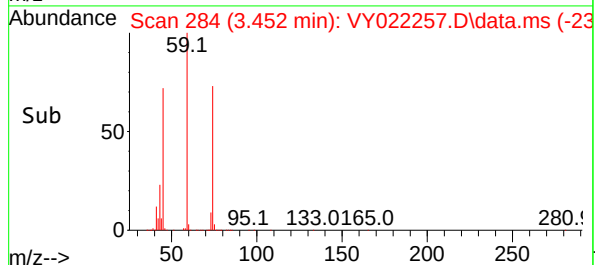
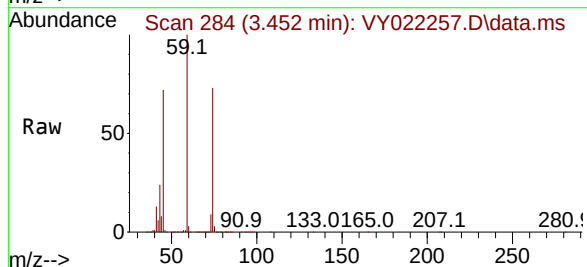
Manual Integrations
APPROVED

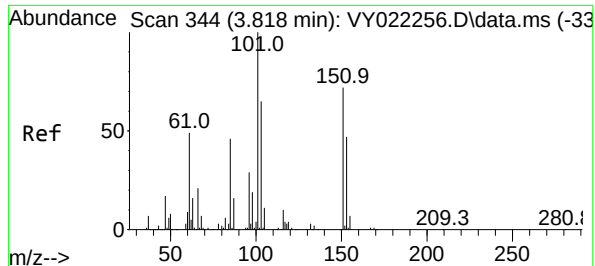
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

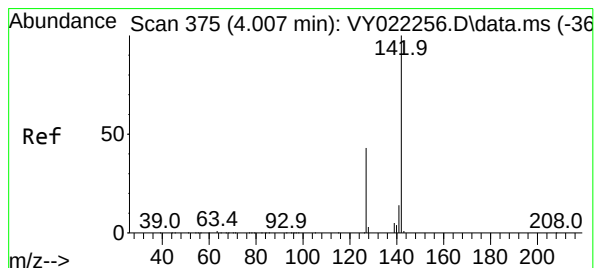
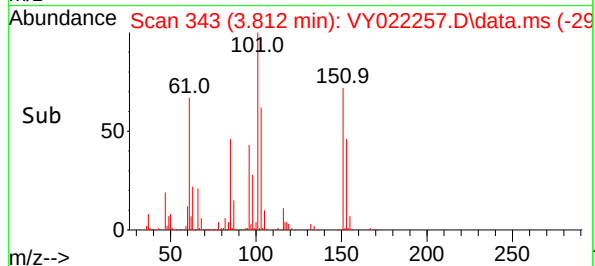
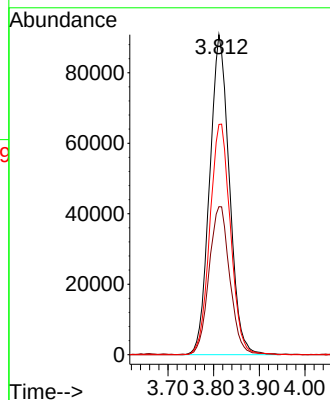
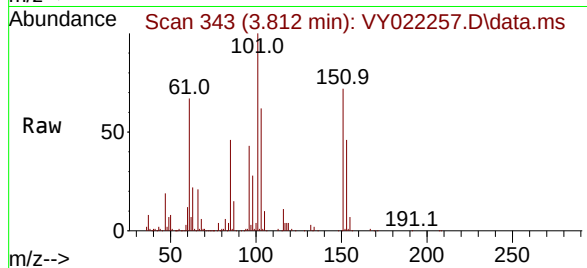
151 75.3 59.7 89.5

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

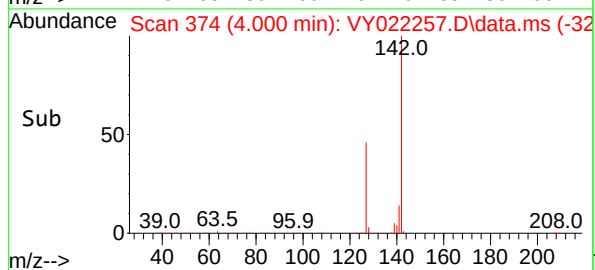
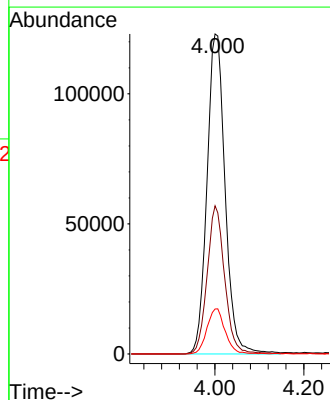
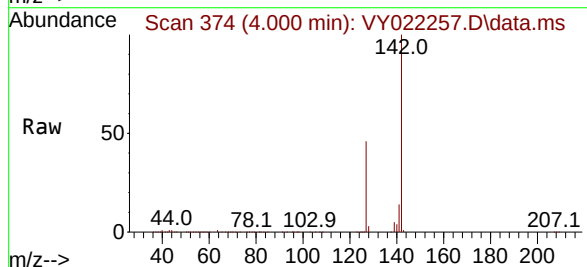
Tgt Ion:142 Resp: 349345

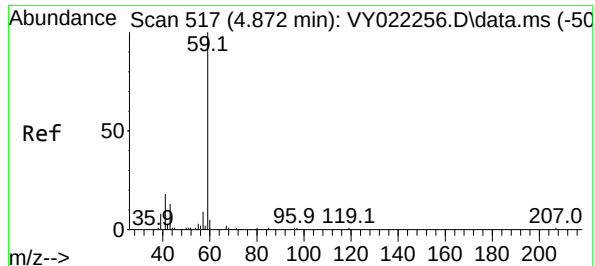
Ion Ratio Lower Upper

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

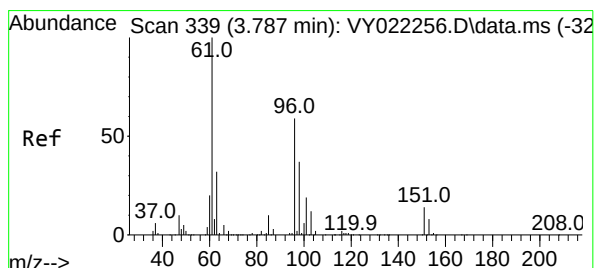
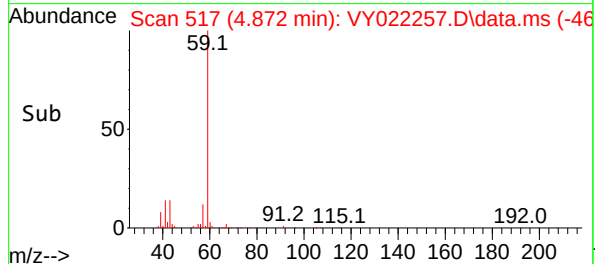
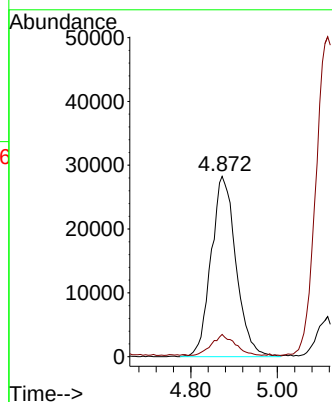
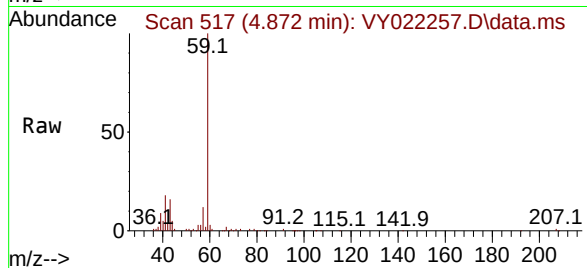
Ion Ratio Lower Upper

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

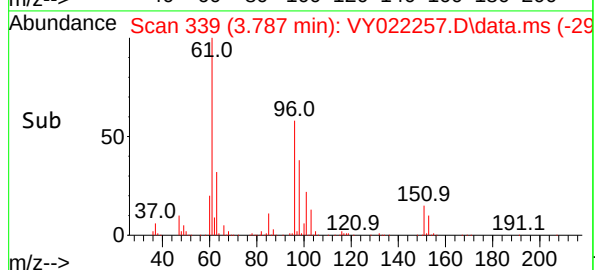
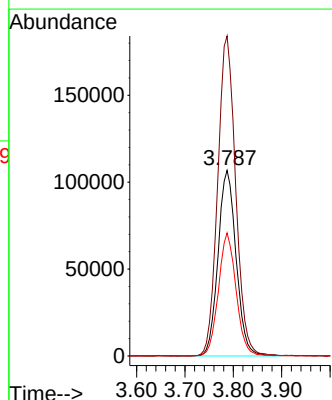
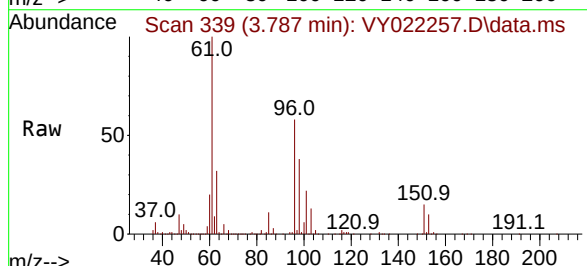
Tgt Ion: 96 Resp: 277897

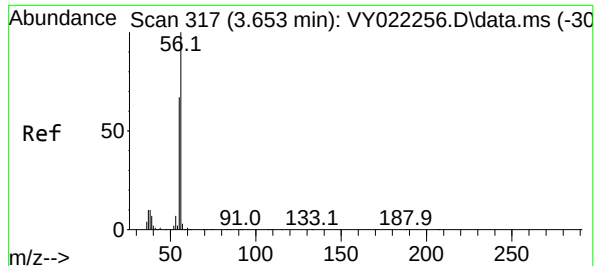
Ion Ratio Lower Upper

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

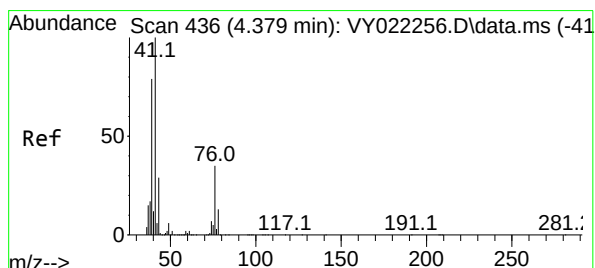
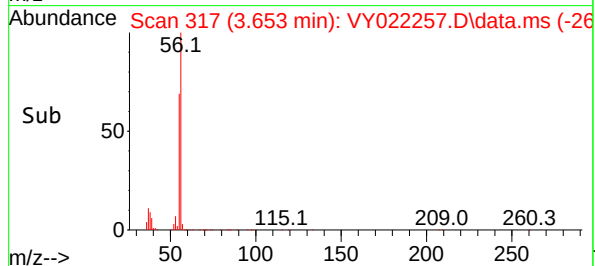
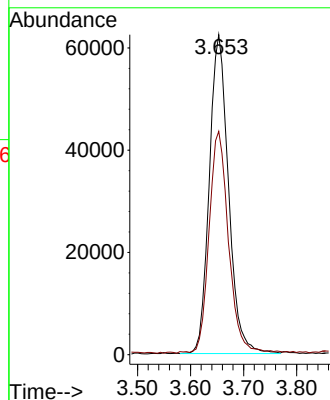
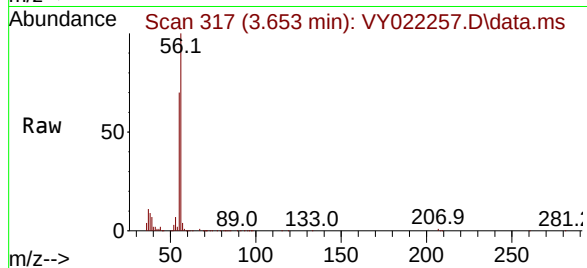
56 100

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

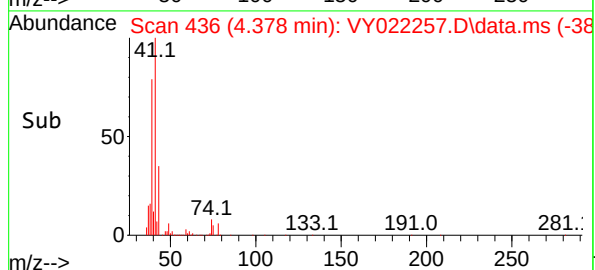
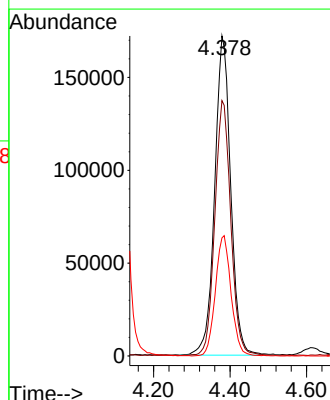
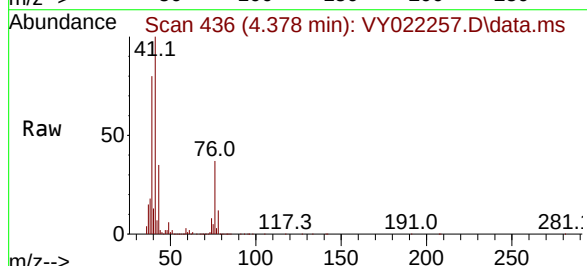
Tgt Ion: 41 Resp: 500514

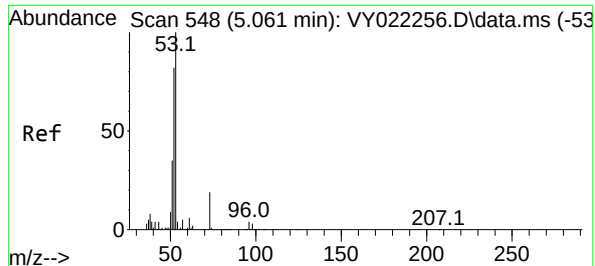
Ion Ratio Lower Upper

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

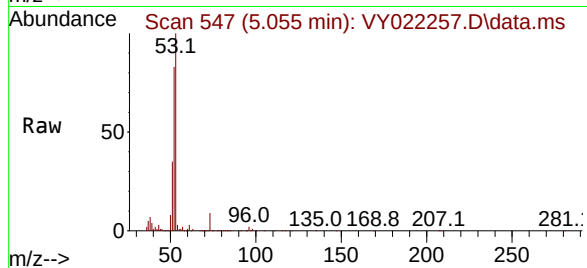
Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

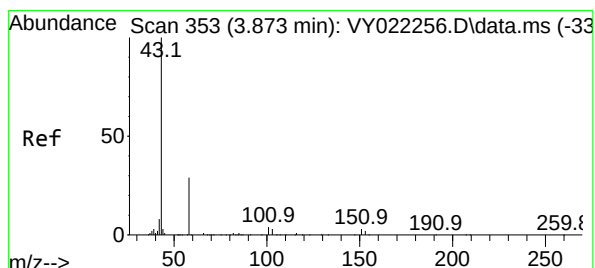
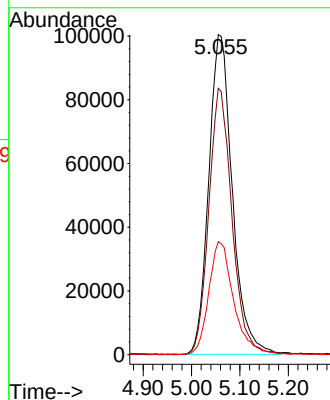
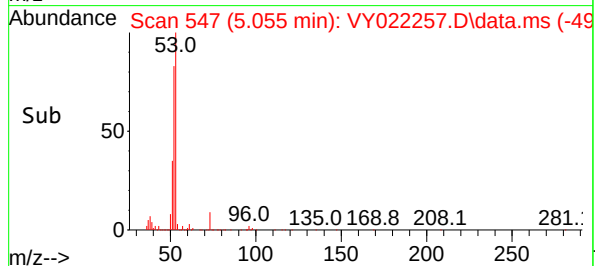


Tgt Ion:	53	Resp:	34032
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.4	30.0	45.0

Manual Integrations

APPROVED

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



#16

Acetone

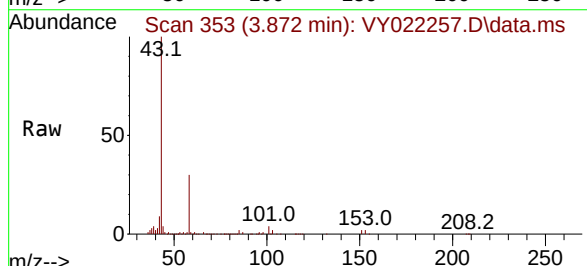
Concen: 458.767 ug/l

RT: 3.872 min Scan# 353

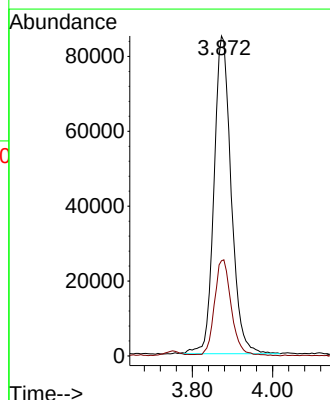
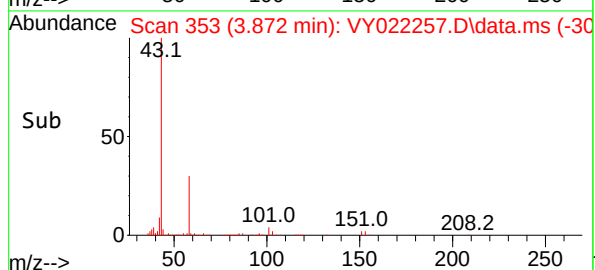
Delta R.T. -0.000 min

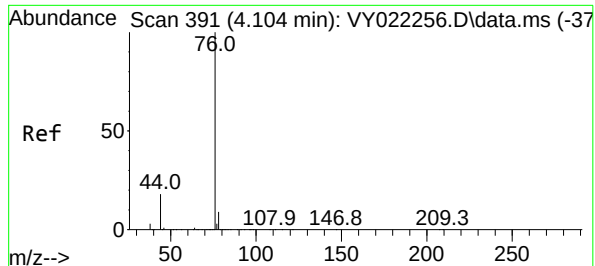
Lab File: VY022257.D

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

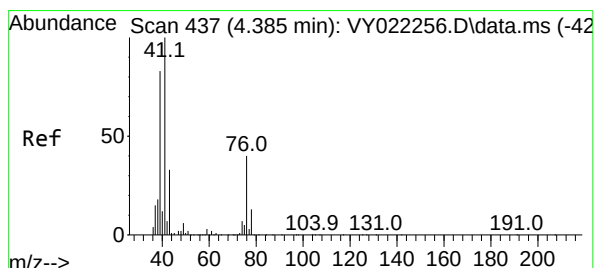
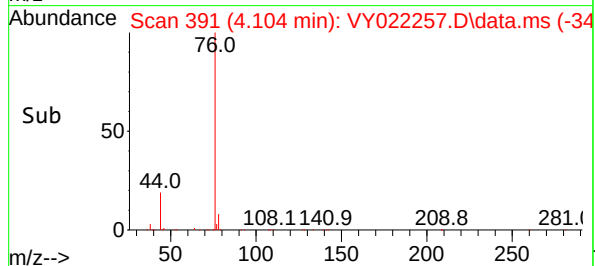
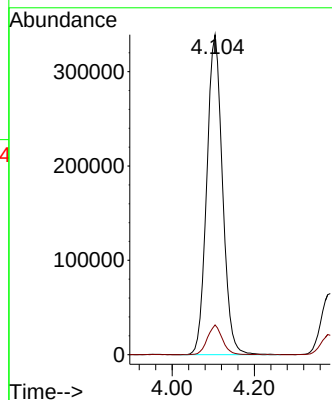
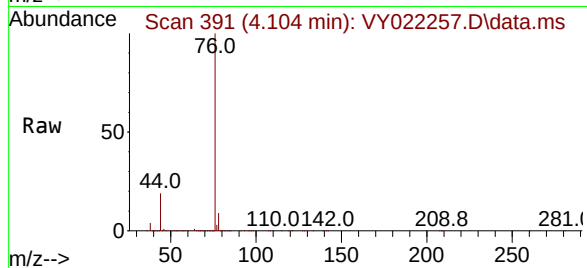
ClientSampleId :

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

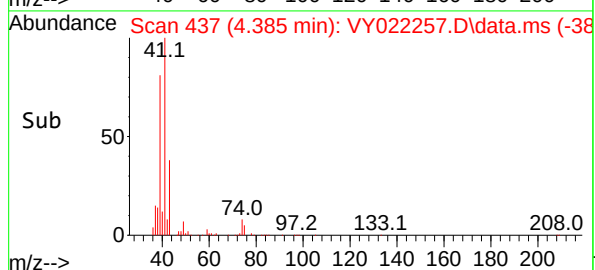
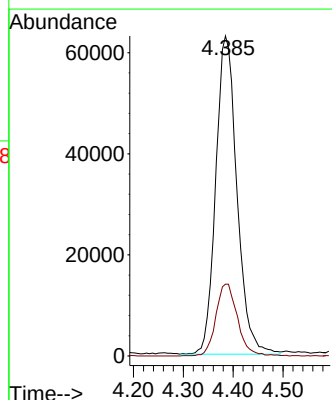
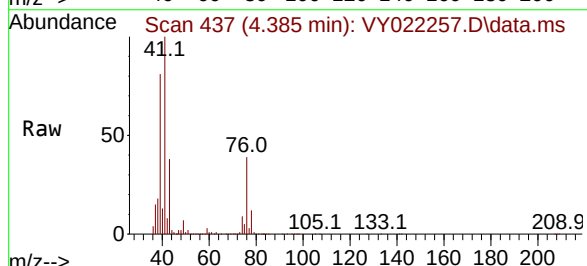
Acq: 15 May 2025 11:24

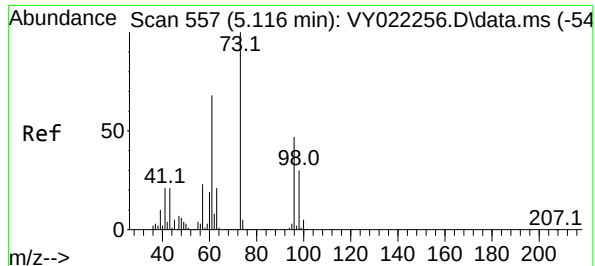
Tgt Ion: 43 Resp: 185837

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.4





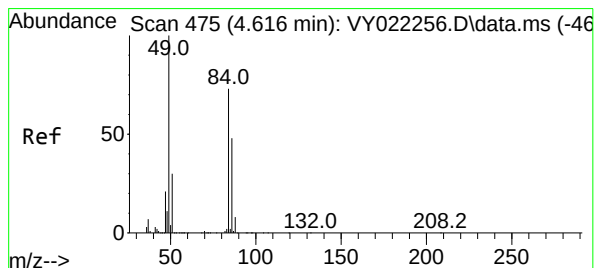
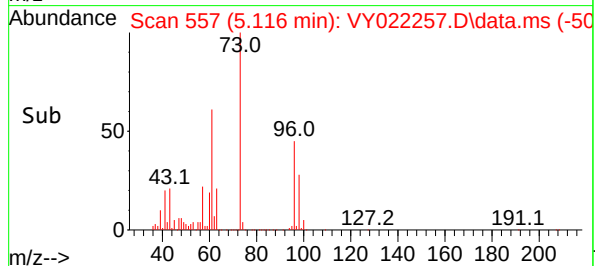
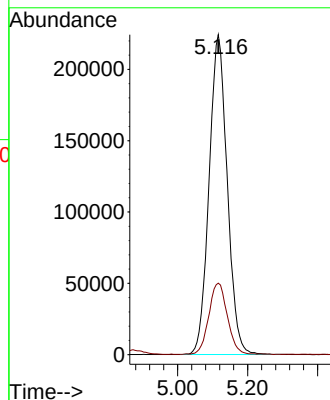
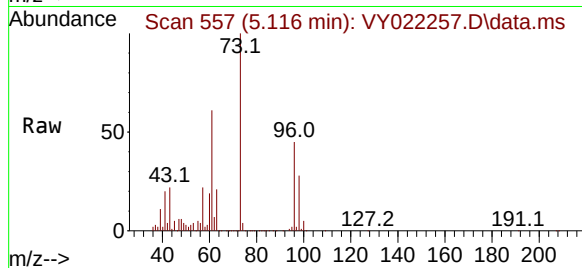
#19
Methyl tert-butyl Ether
Concen: 101.997 ug/l
RT: 5.116 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 807404
Ion Ratio Lower Upper
73 100
57 22.3 18.6 28.0

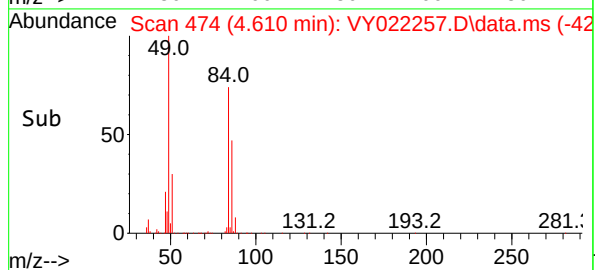
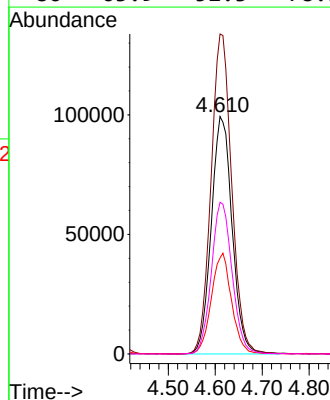
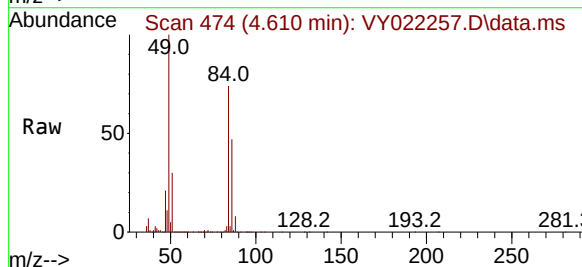
Manual Integrations
APPROVED

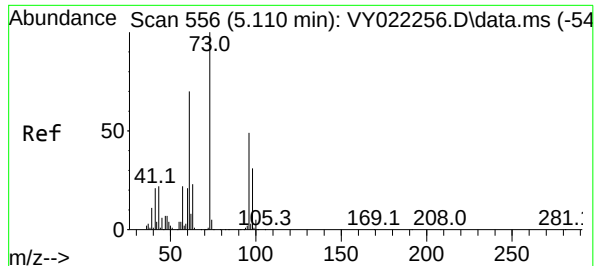
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

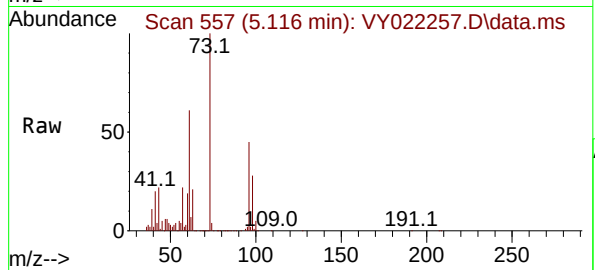
Tgt Ion: 84 Resp: 305912
Ion Ratio Lower Upper
84 100
49 134.8 109.6 164.4
51 40.3 32.4 48.6
86 63.9 52.3 78.5





#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

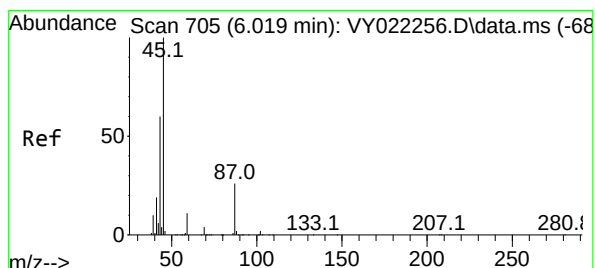
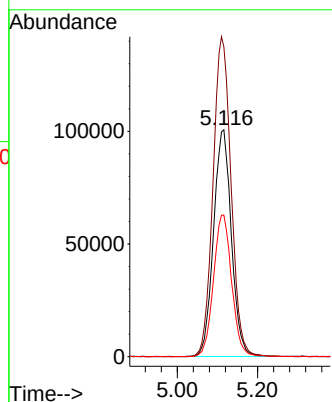
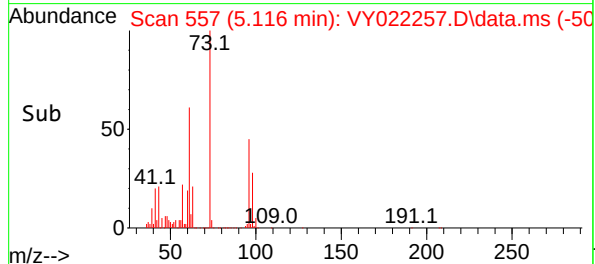
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

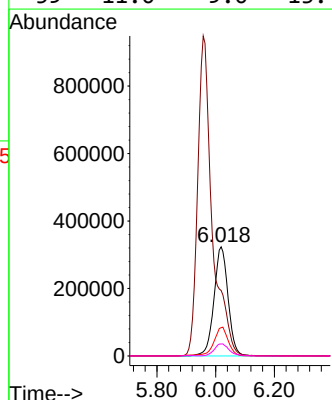
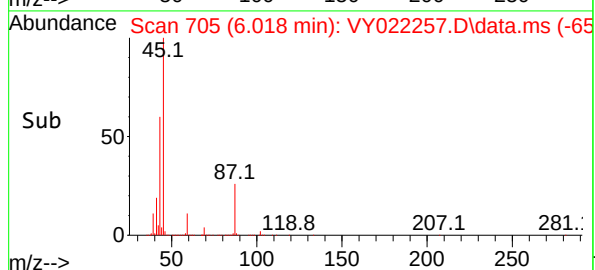
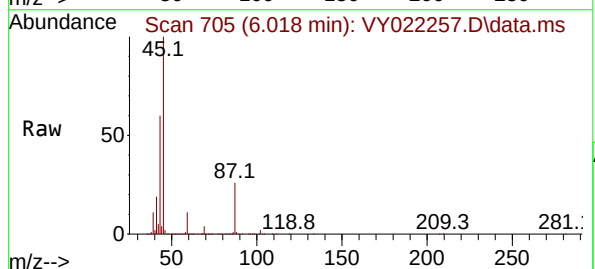
Manual Integrations
APPROVED

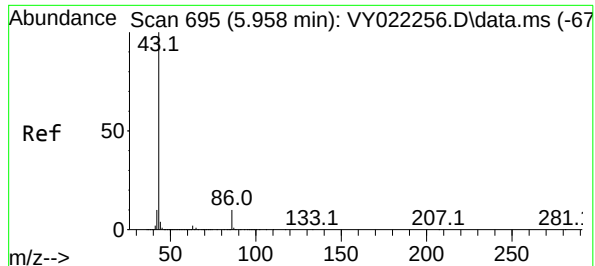
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

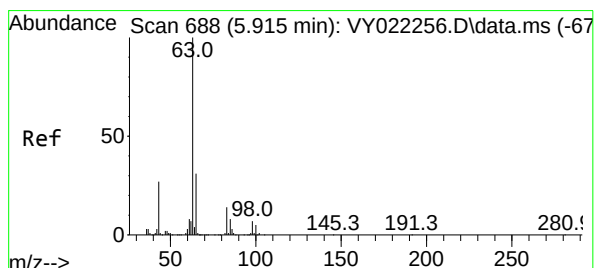
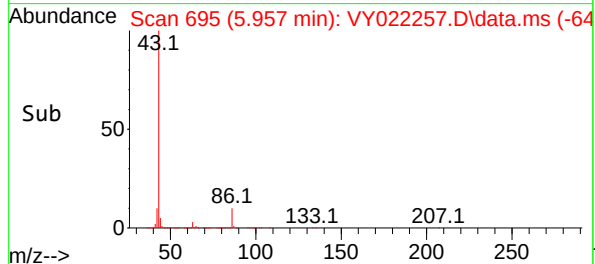
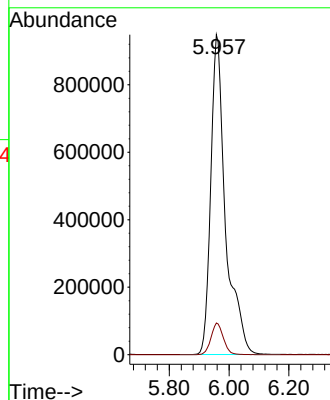
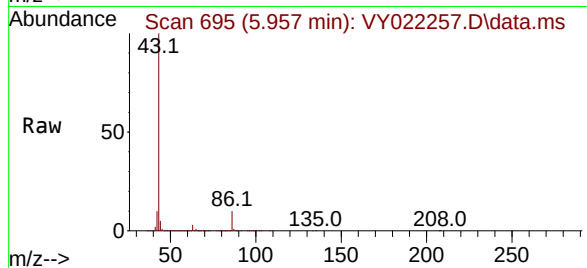
86 9.9

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

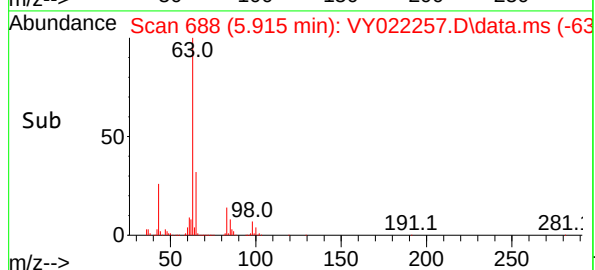
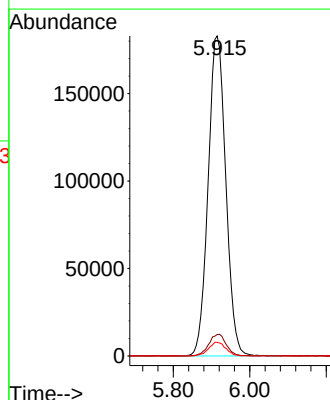
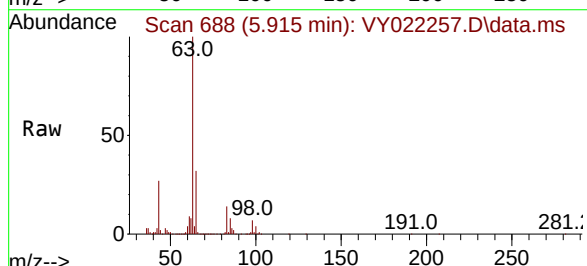
3.5

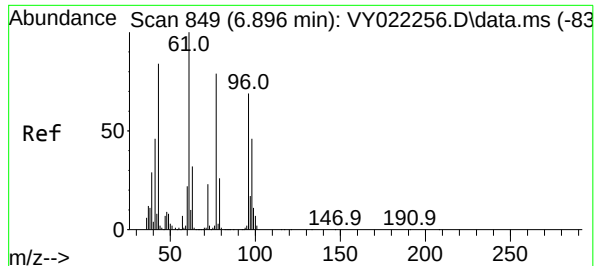
10.5

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 :

VSTDICC100

Tgt Ion: 43 Resp: 46730

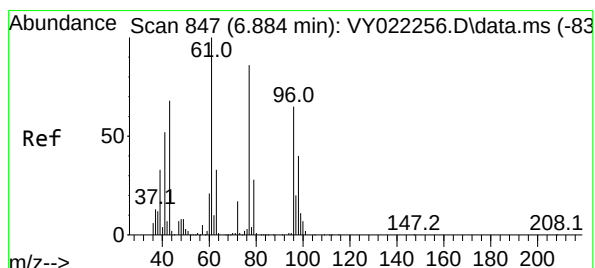
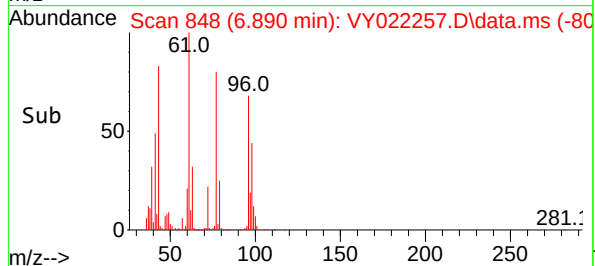
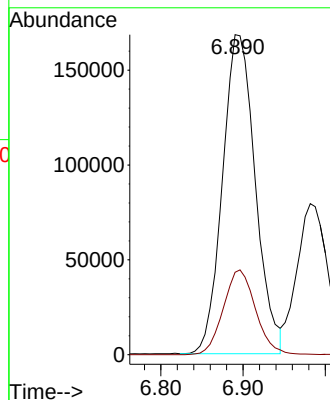
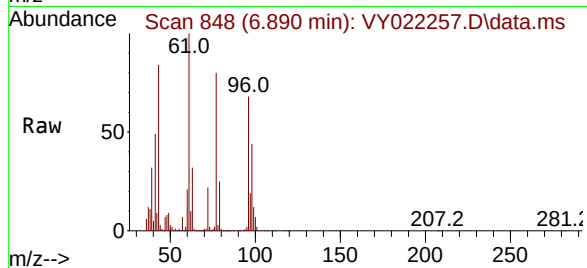
Ion Ratio Lower Upper

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

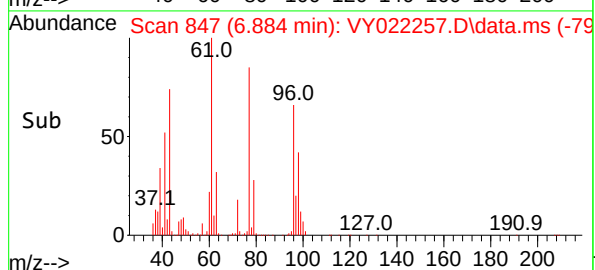
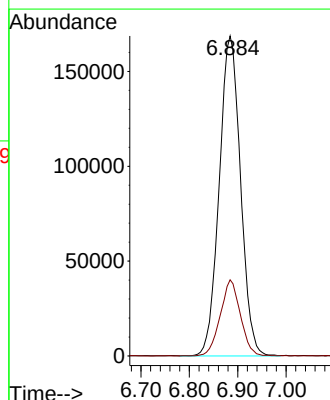
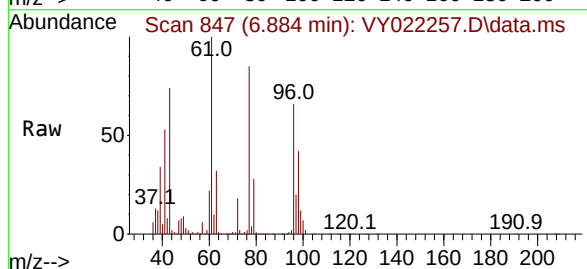
Acq: 15 May 2025 11:24

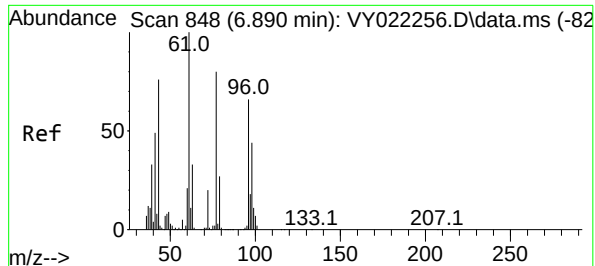
Tgt Ion: 77 Resp: 515990

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

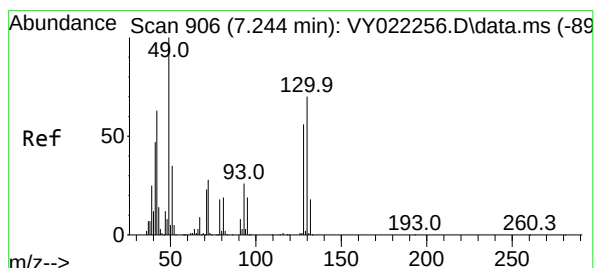
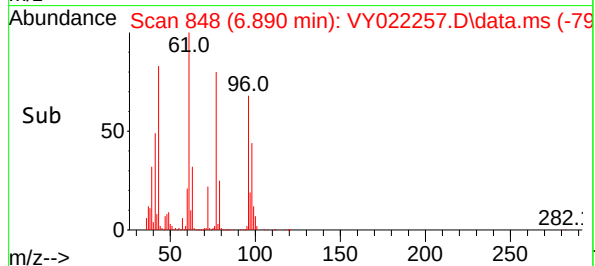
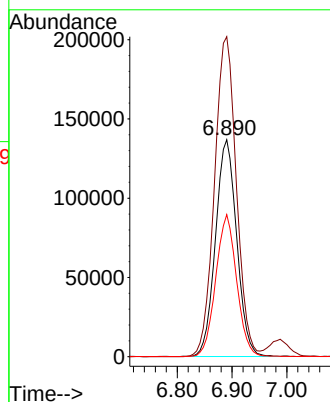
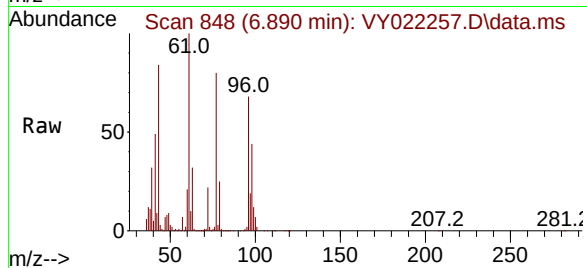
96 100

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

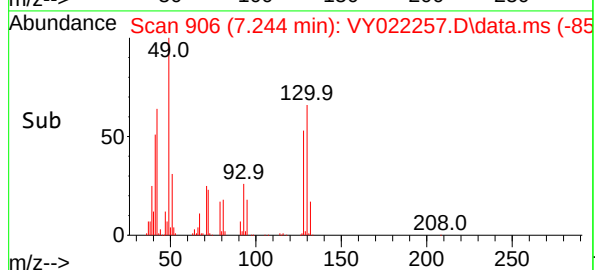
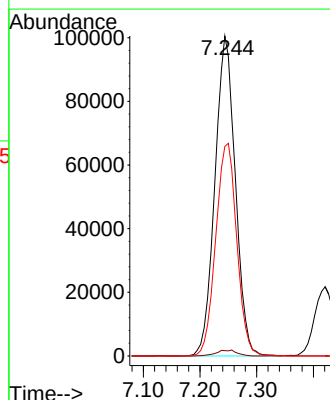
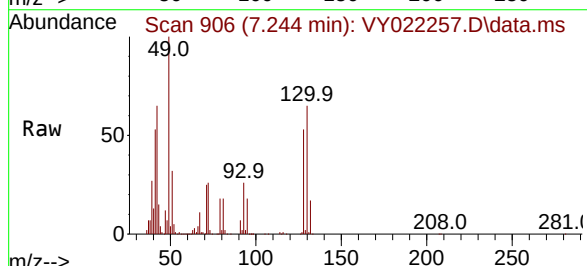
Tgt Ion: 49 Resp: 251676

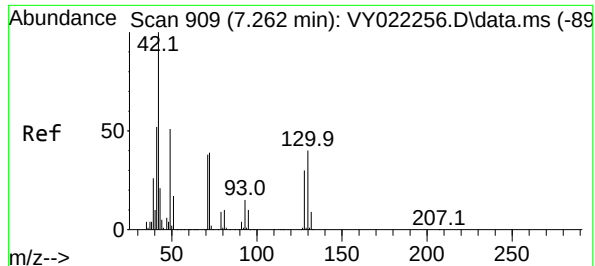
Ion Ratio Lower Upper

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

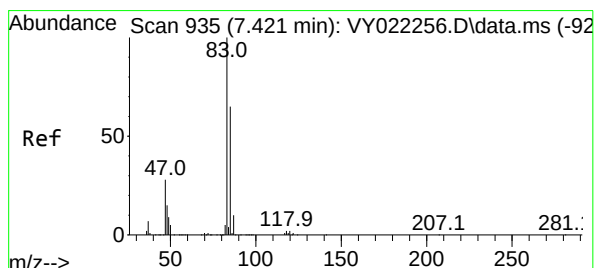
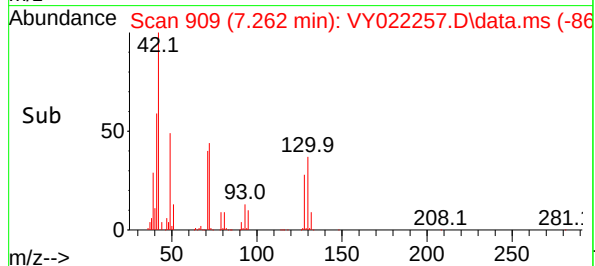
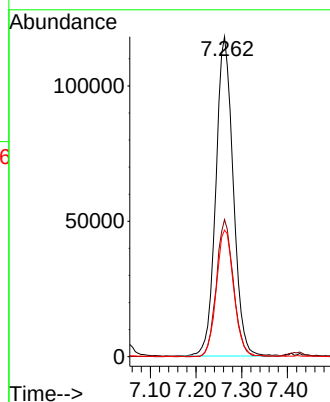
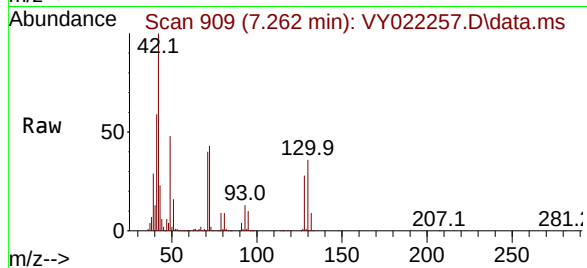
42 100

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

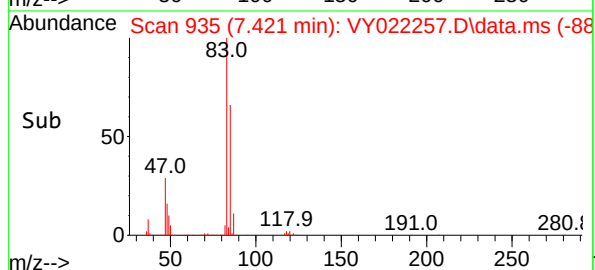
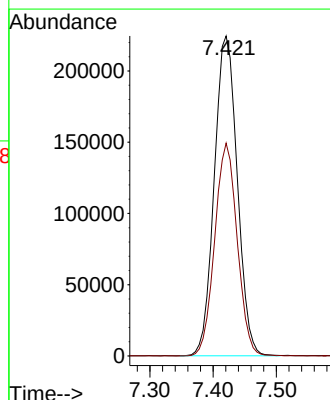
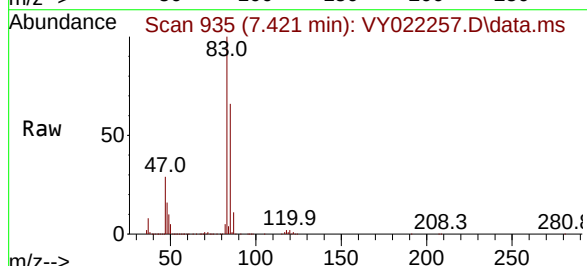
Acq: 15 May 2025 11:24

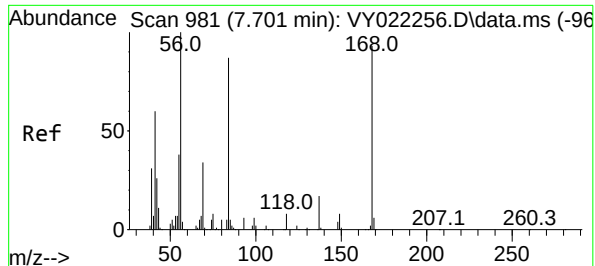
Tgt Ion: 83 Resp: 565823

Ion Ratio Lower Upper

83 100

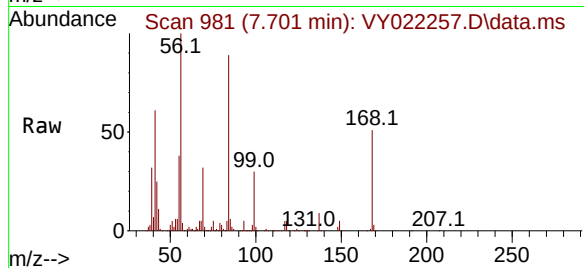
85 66.5 51.8 77.8





#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

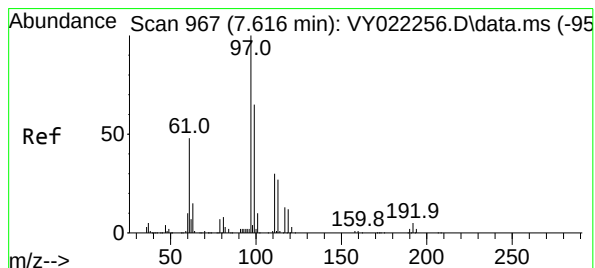
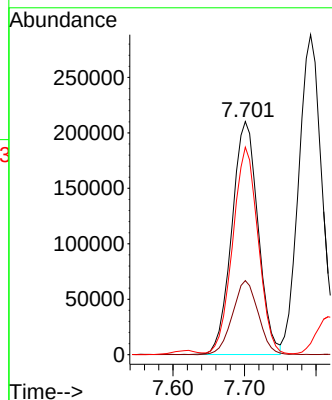
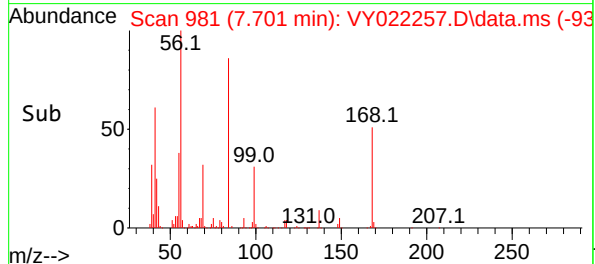
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

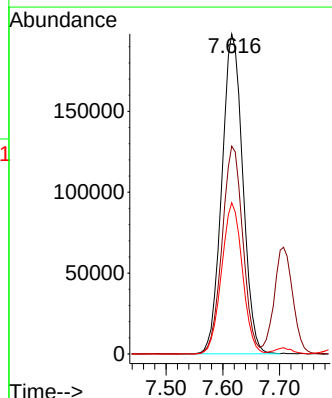
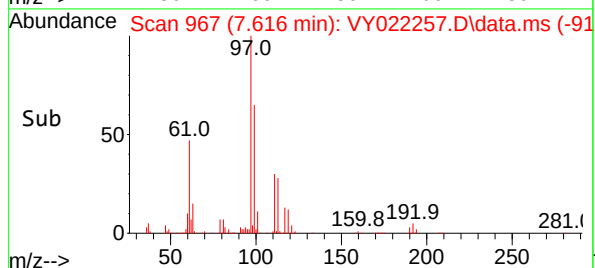
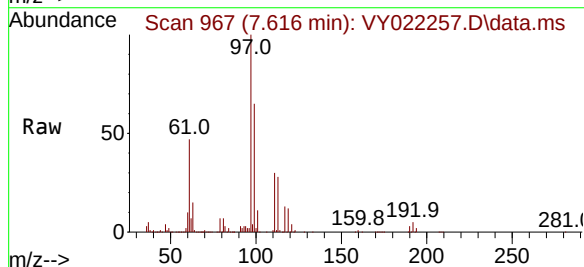
Manual Integrations
APPROVED

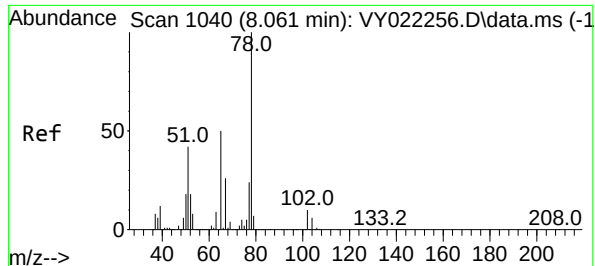
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

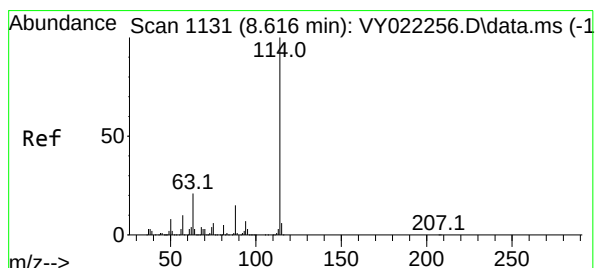
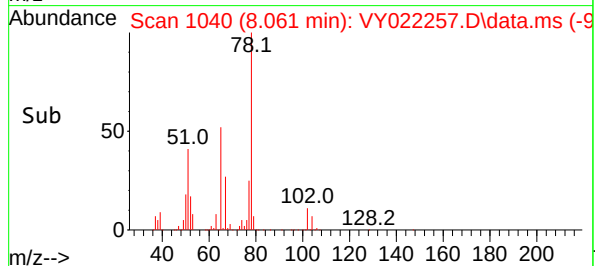
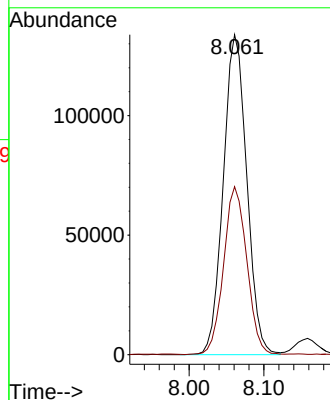
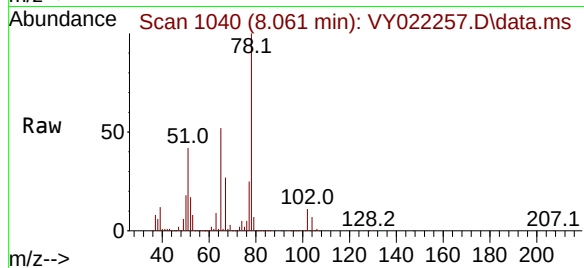
Ion Ratio Lower Upper

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

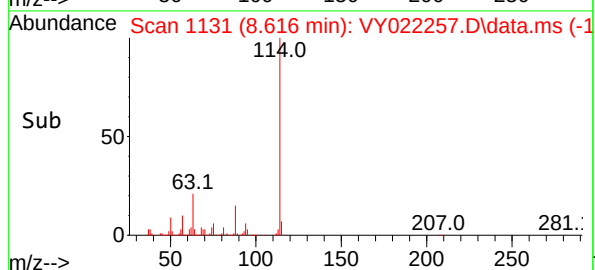
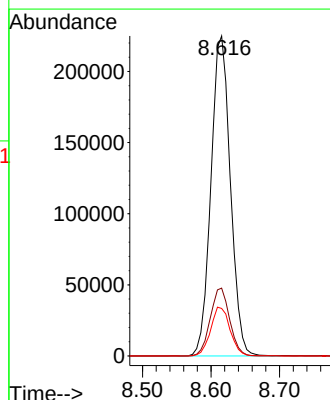
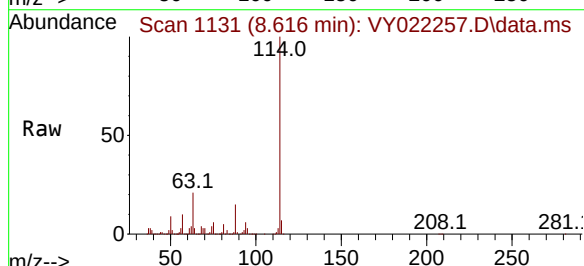
Tgt Ion:114 Resp: 443341

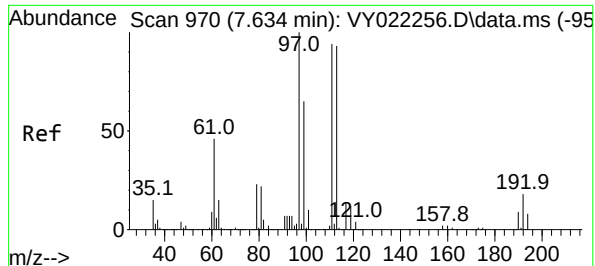
Ion Ratio Lower Upper

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

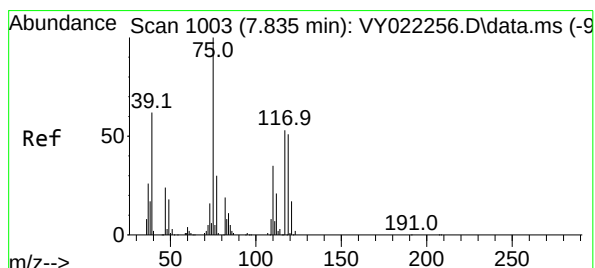
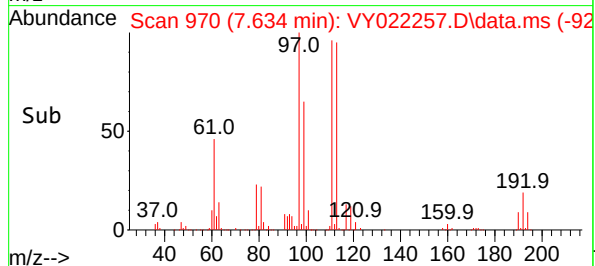
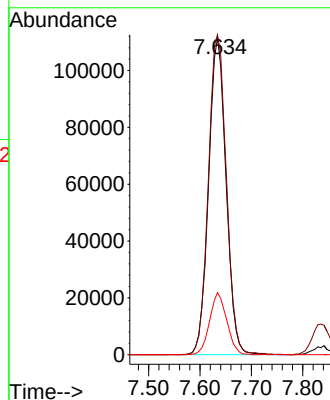
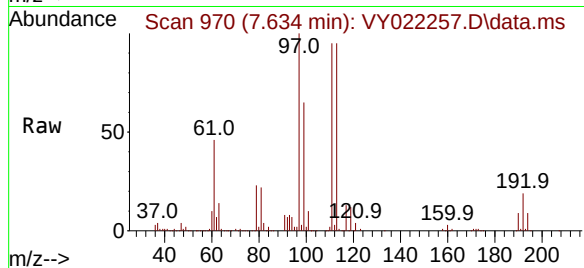
113 100

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

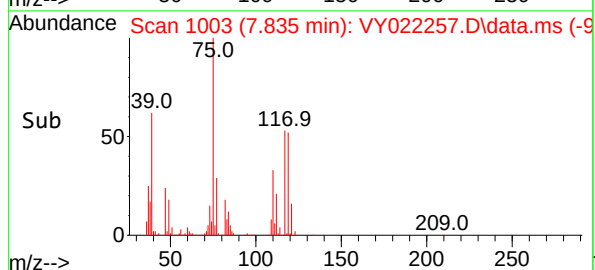
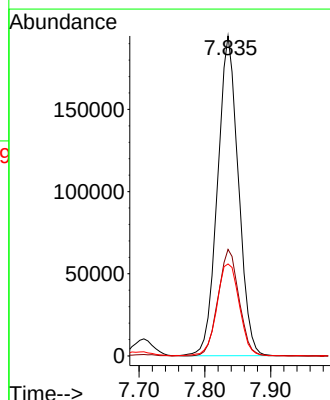
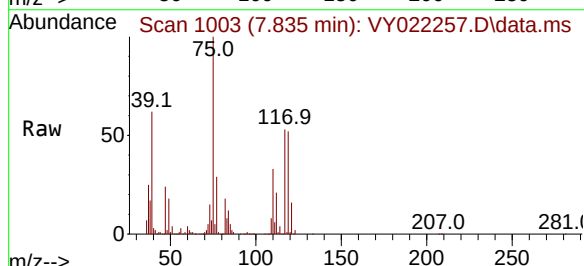
Tgt Ion: 75 Resp: 429153

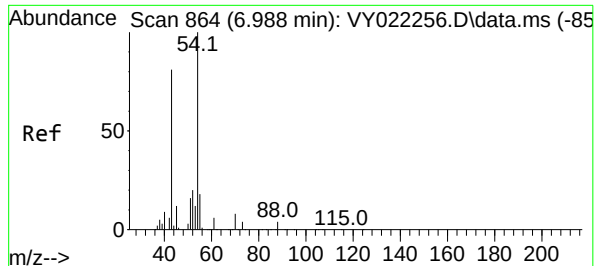
Ion Ratio Lower Upper

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: 21315

Ion Ratio Lower Upper

43 100

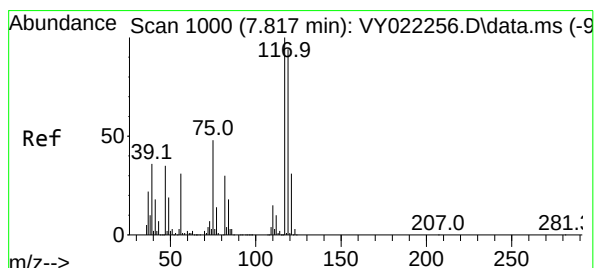
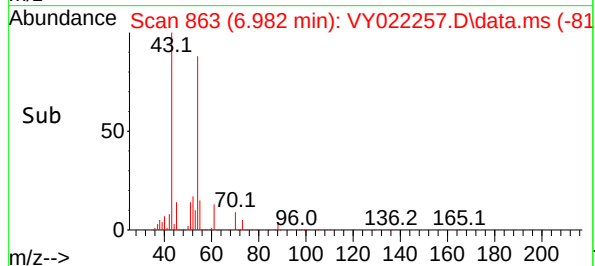
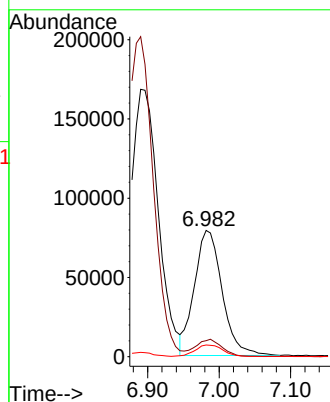
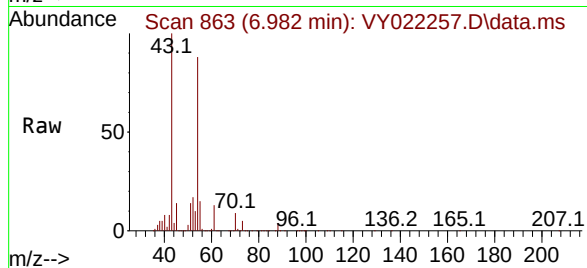
61 13.0 10.2 15.2

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

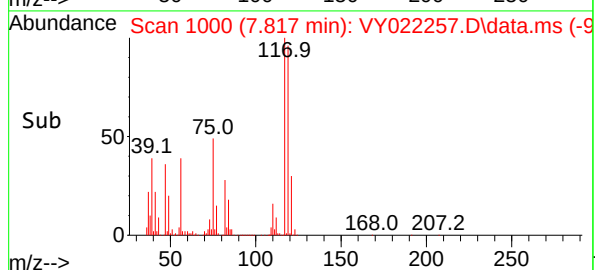
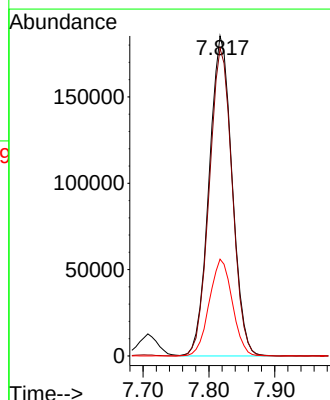
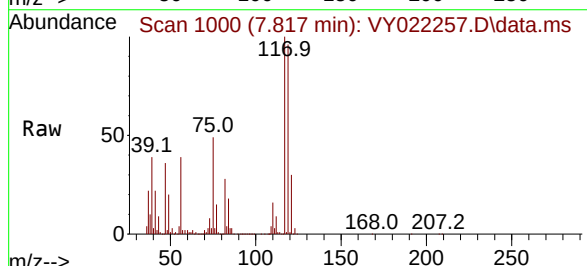
Tgt Ion:117 Resp: 451589

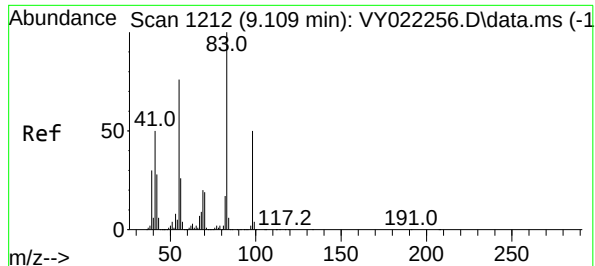
Ion Ratio Lower Upper

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

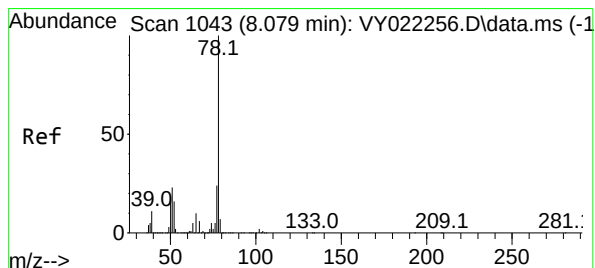
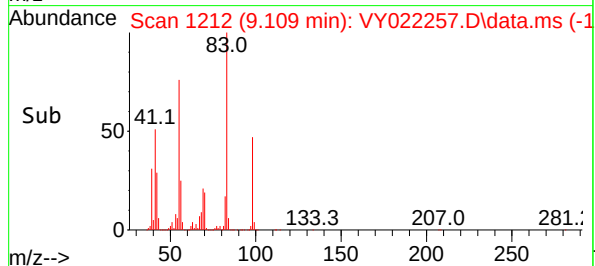
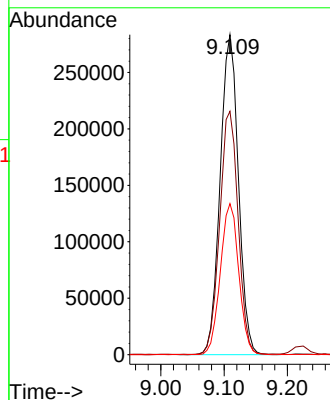
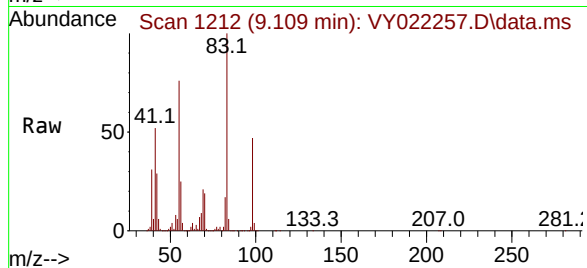
98 47.2 40.0 60.0

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

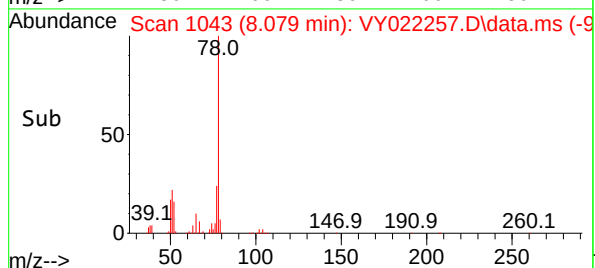
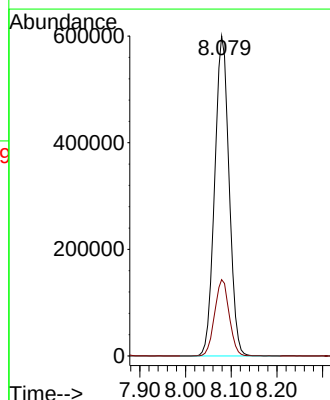
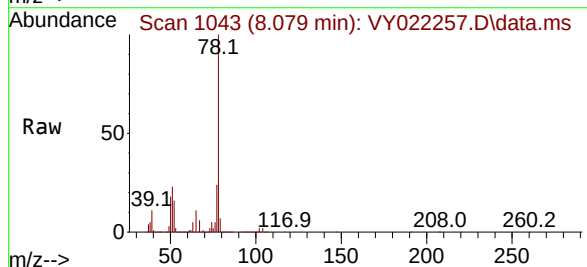
Acq: 15 May 2025 11:24

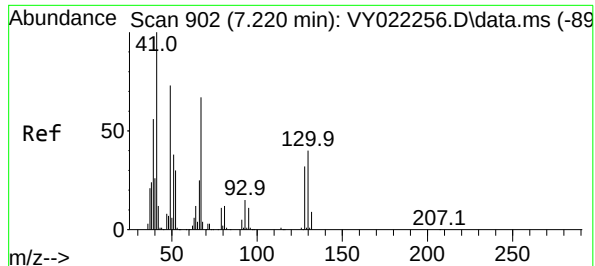
Tgt Ion: 78 Resp: 1313733

Ion Ratio Lower Upper

78 100

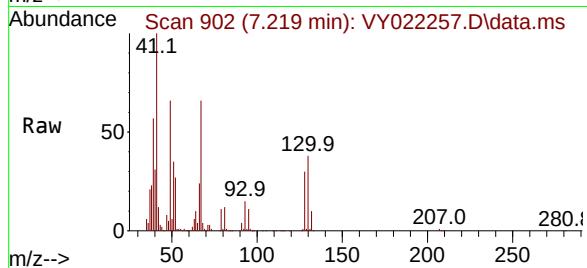
77 23.8 18.9 28.3





#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

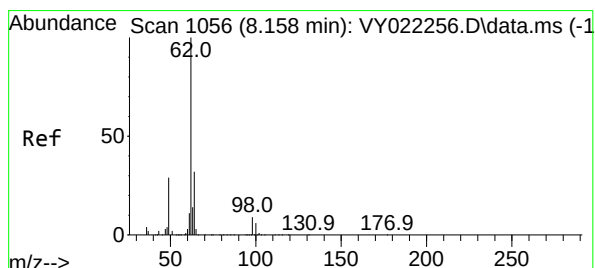
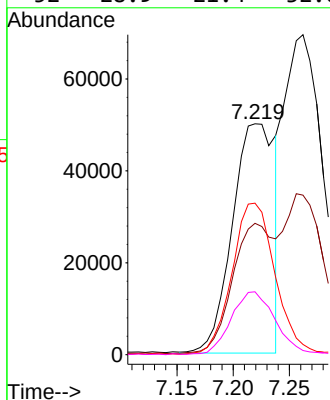
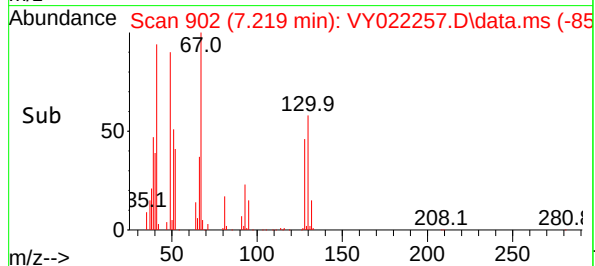
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

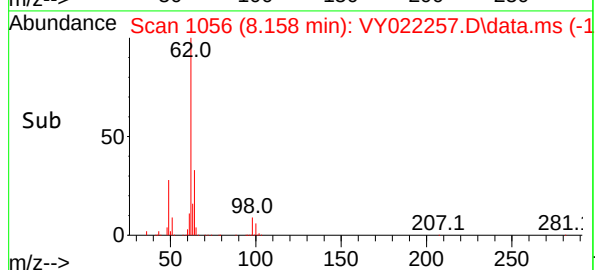
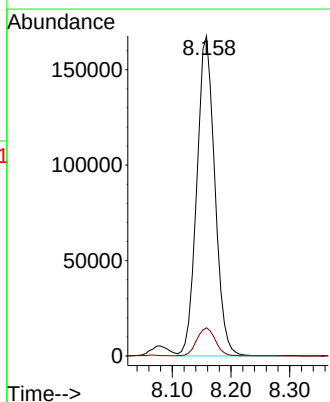
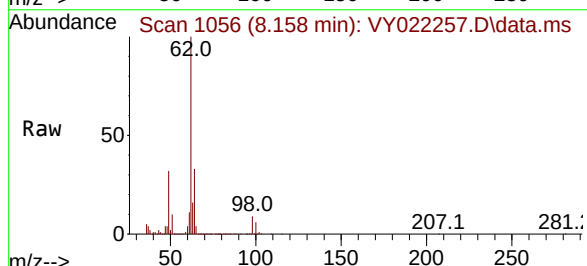
Manual Integrations
APPROVED

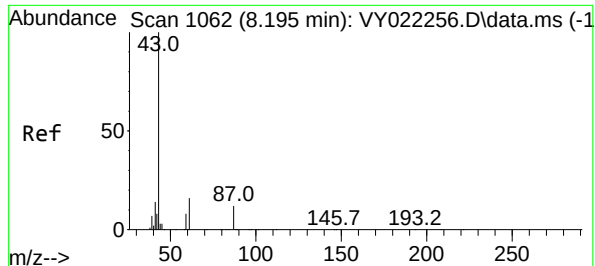
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

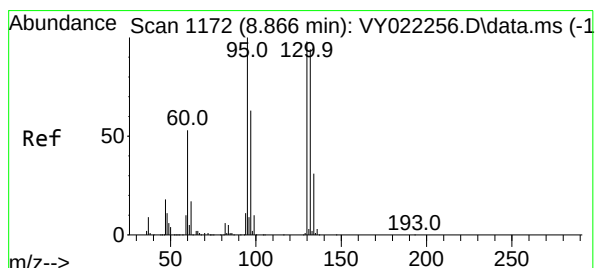
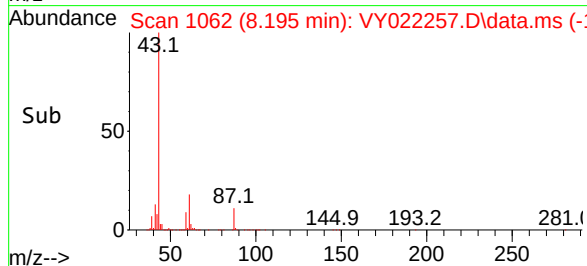
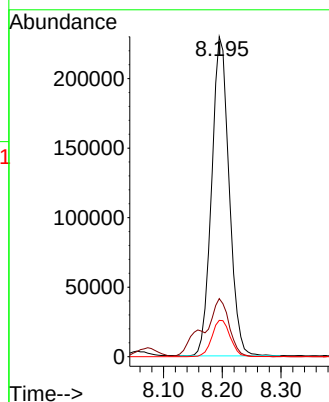
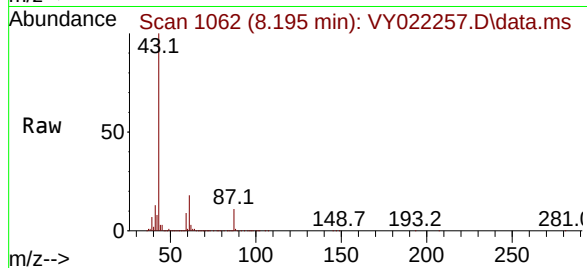
43 100

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

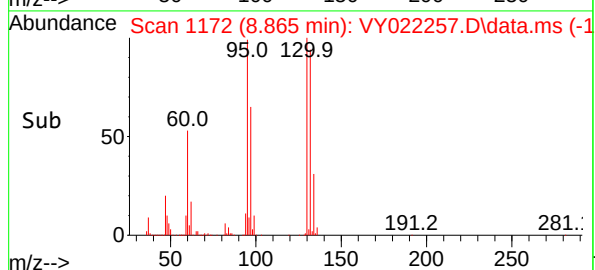
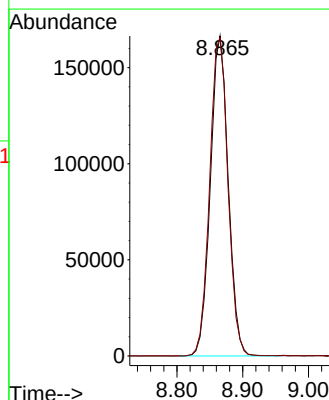
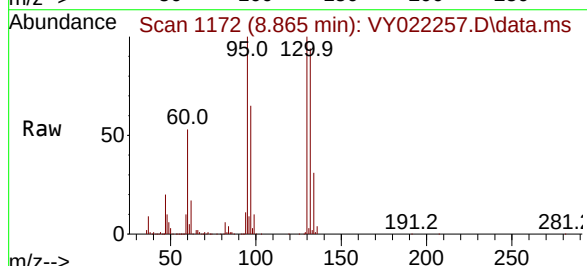
Acq: 15 May 2025 11:24

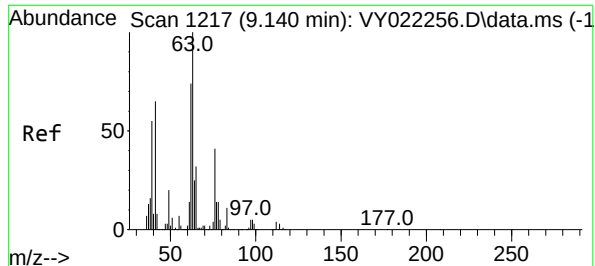
Tgt Ion:130 Resp: 315543

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 :

VSTDICC100

Tgt Ion: 63 Resp: 314179

Ion Ratio Lower Upper

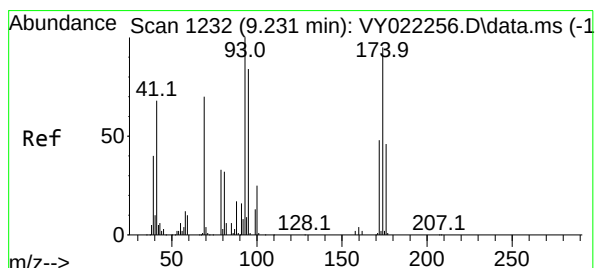
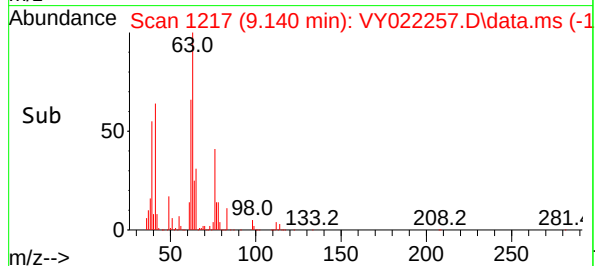
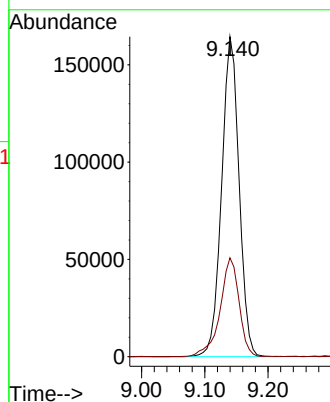
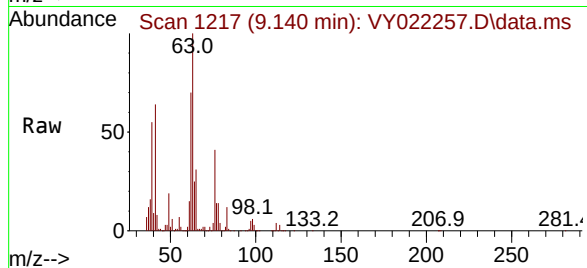
63 100

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

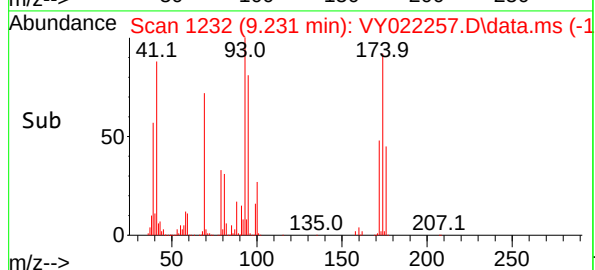
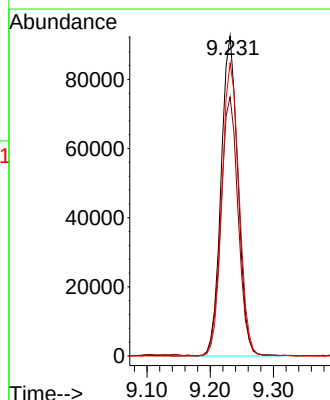
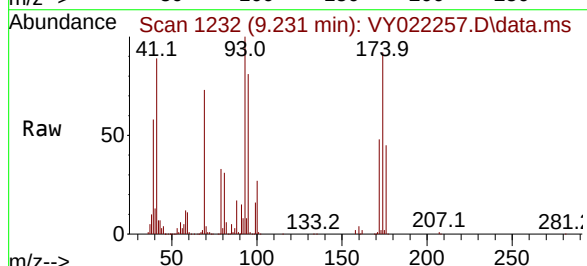
Tgt Ion: 93 Resp: 170712

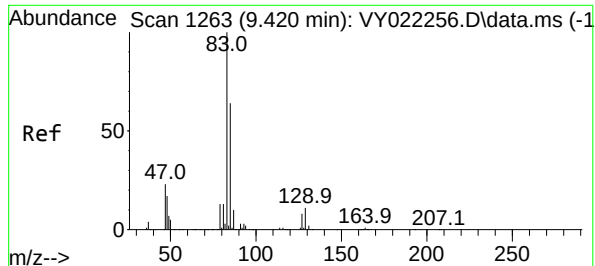
Ion Ratio Lower Upper

93 100

95 82.7 65.2 97.8

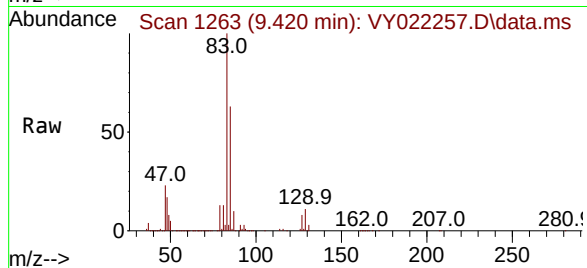
174 92.9 74.3 111.5





#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

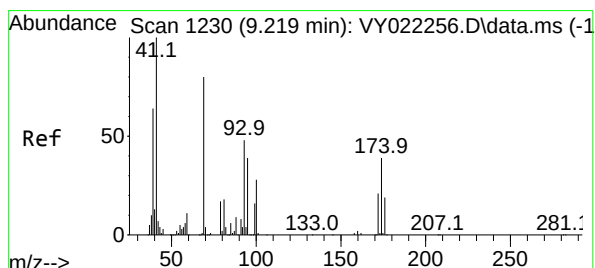
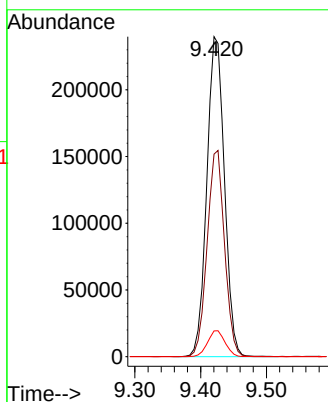
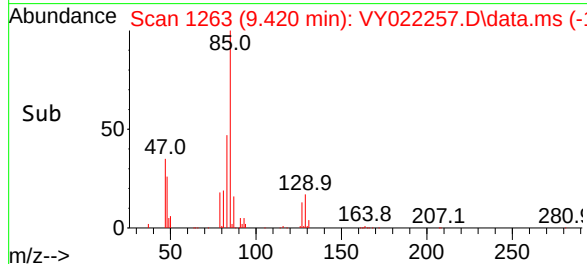
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

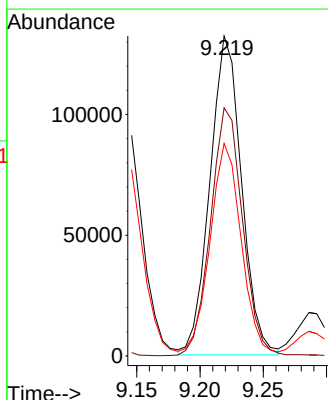
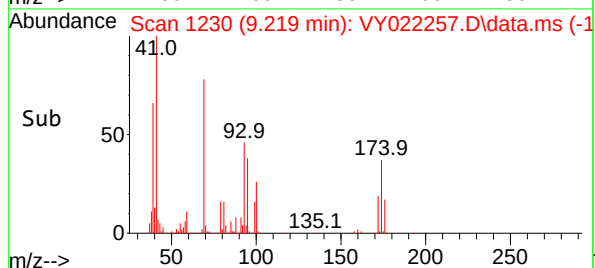
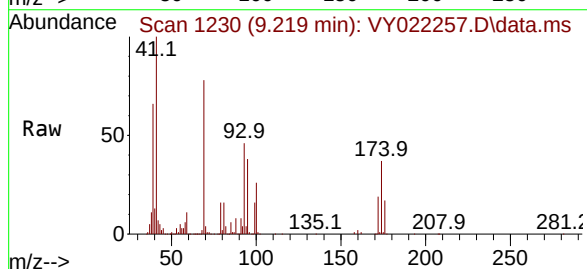
Manual Integrations
APPROVED

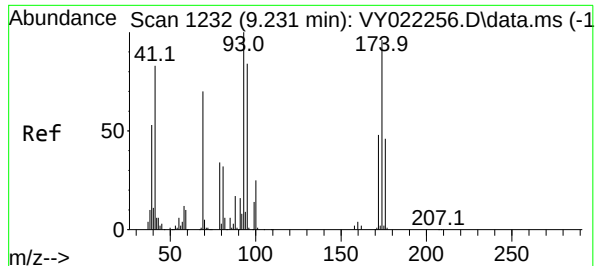
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

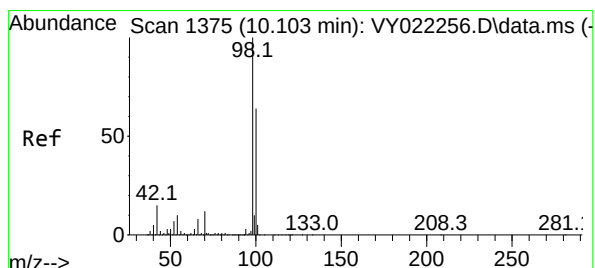
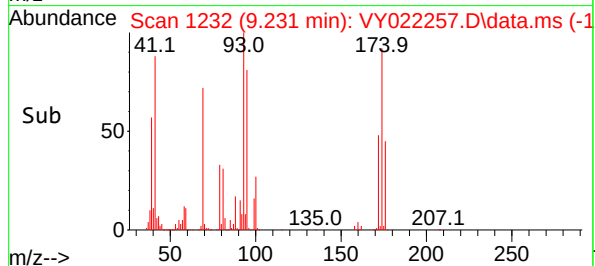
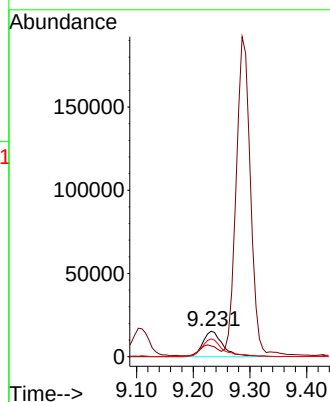
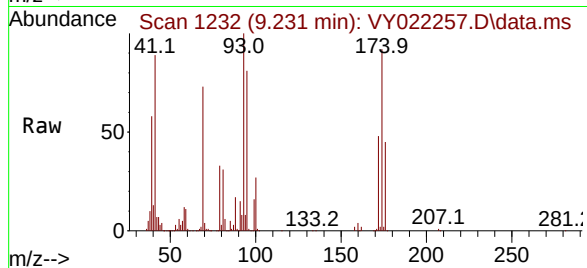
88 100

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

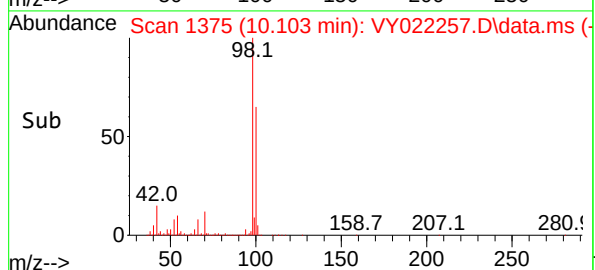
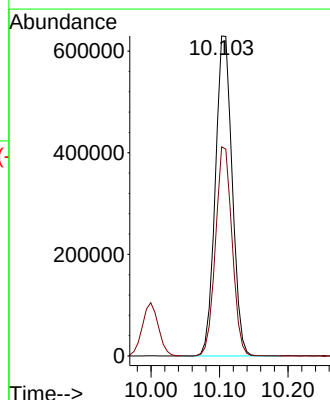
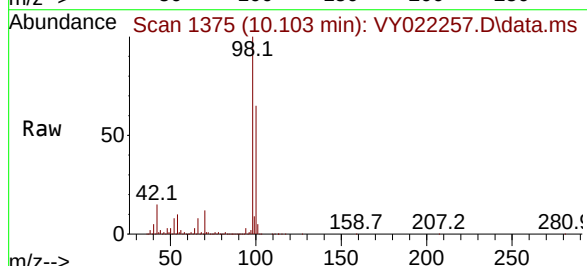
Acq: 15 May 2025 11:24

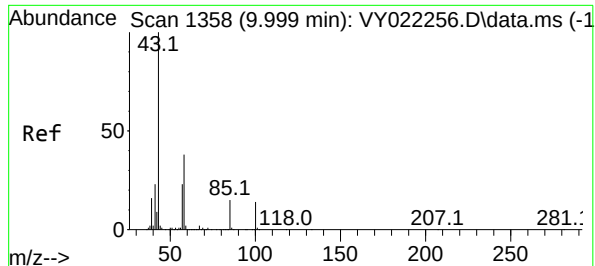
Tgt Ion: 98 Resp: 1076035

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8





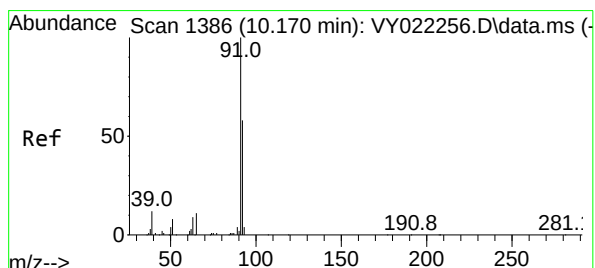
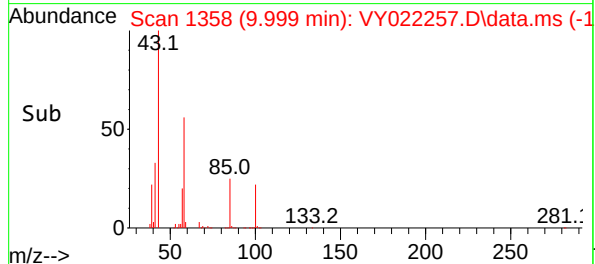
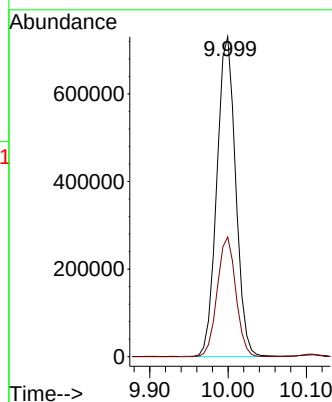
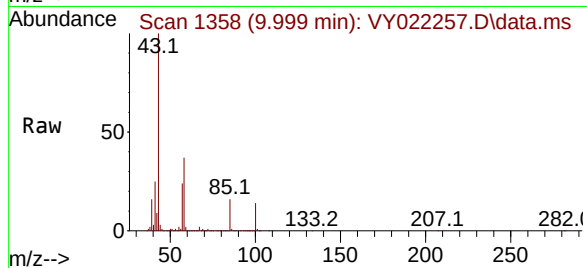
#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 121868
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.2

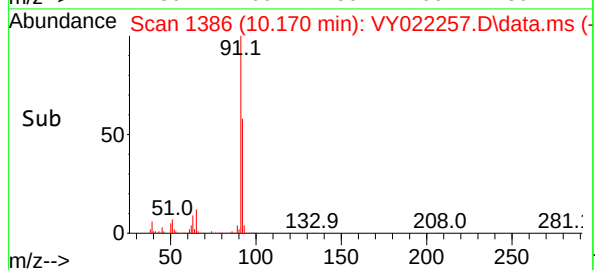
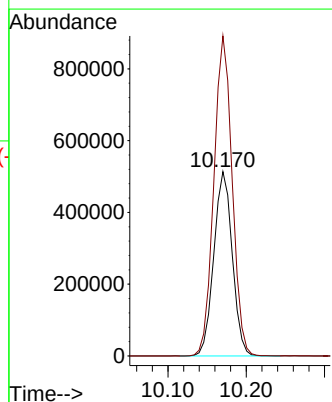
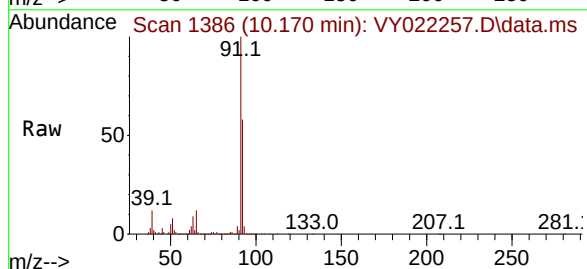
Manual Integrations
APPROVED

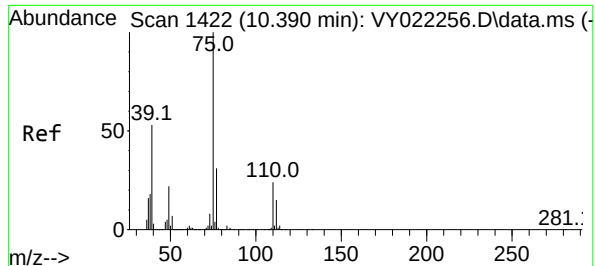
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

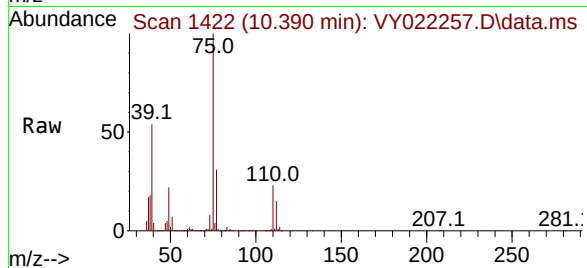
Tgt Ion: 92 Resp: 839400
Ion Ratio Lower Upper
92 100
91 172.5 139.1 208.7





#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

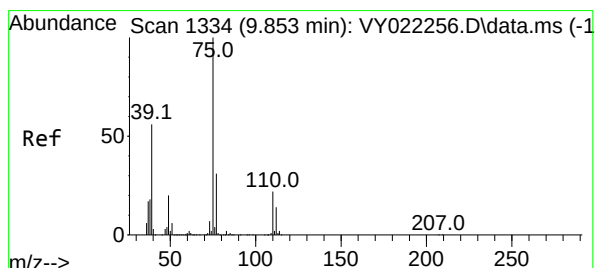
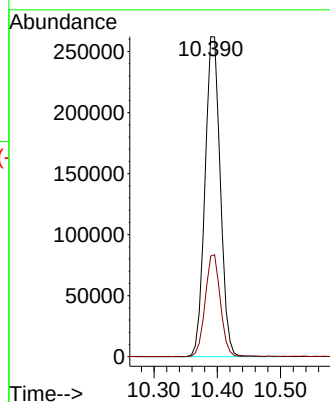
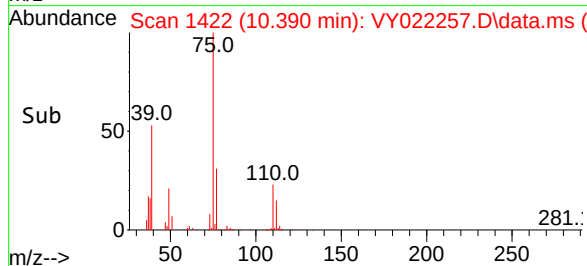
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 441672
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

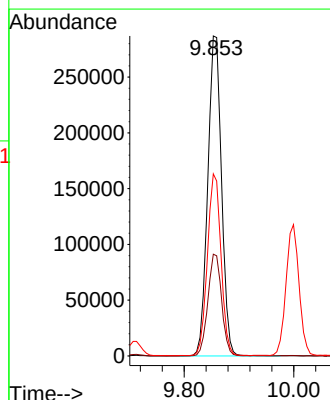
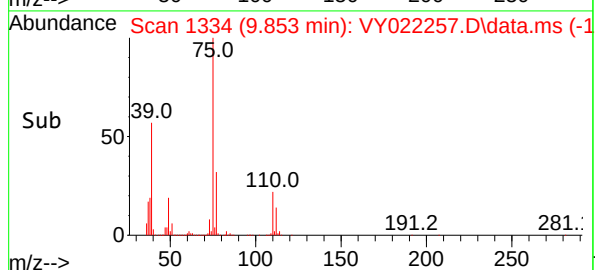
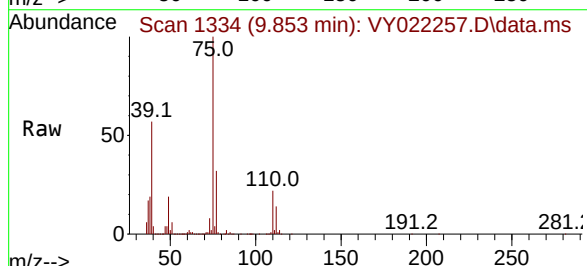
Manual Integrations
APPROVED

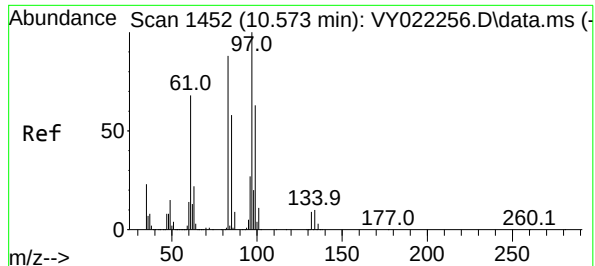
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

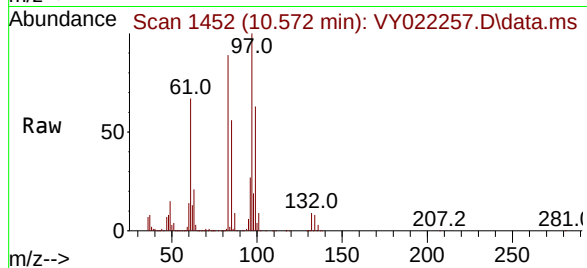
Tgt Ion: 75 Resp: 498023
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 56.8 44.5 66.7





#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

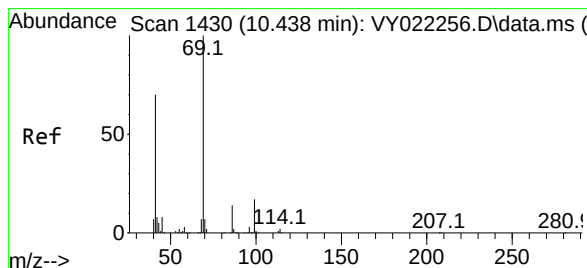
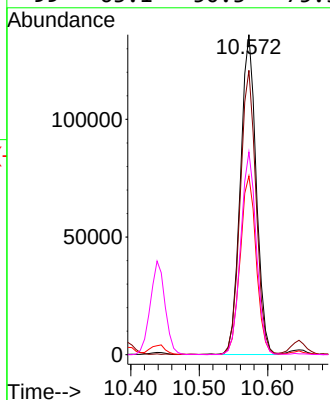
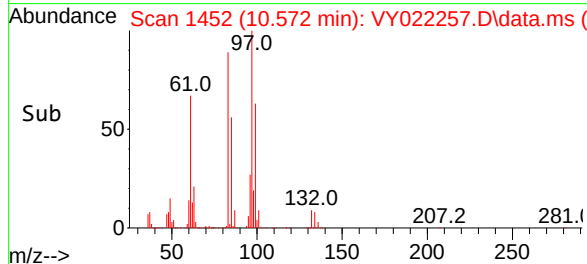
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

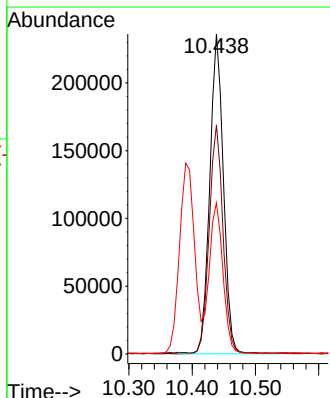
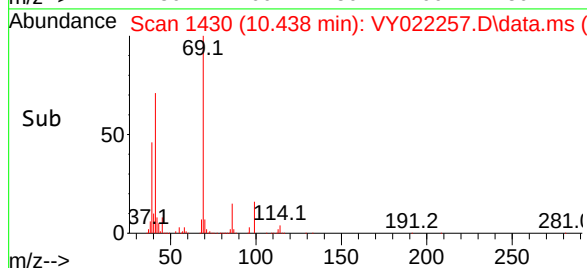
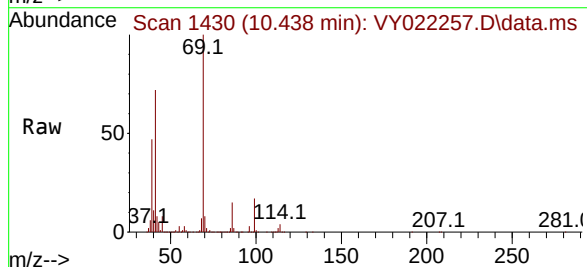
Manual Integrations
APPROVED

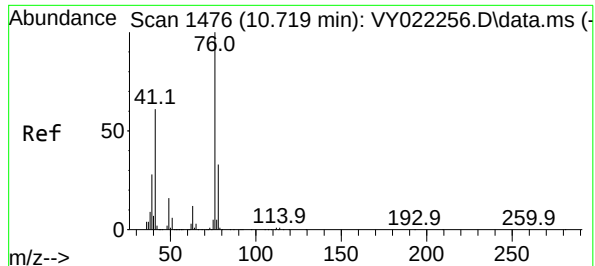
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

VSTDIC100

Tgt Ion: 76 Resp: 391514

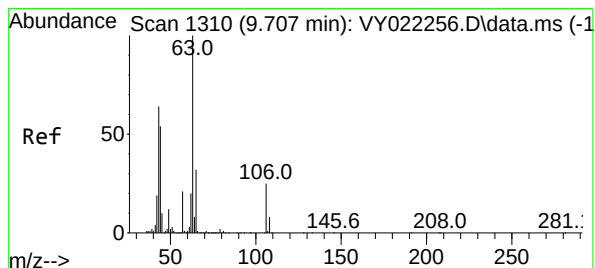
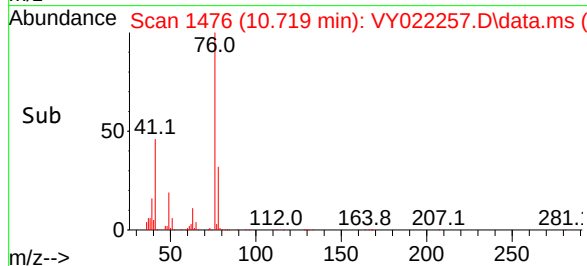
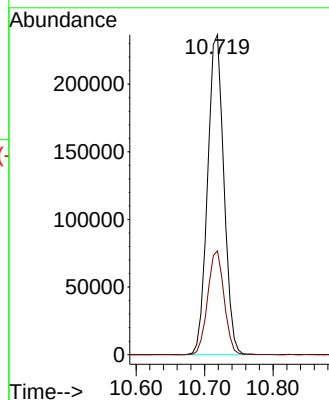
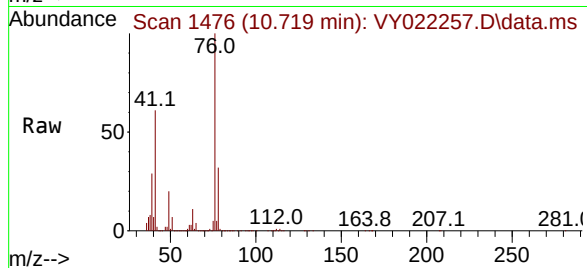
Ion Ratio Lower Upper

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

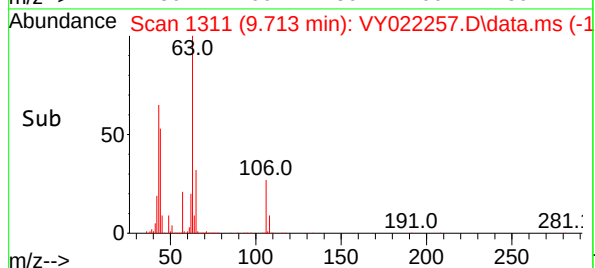
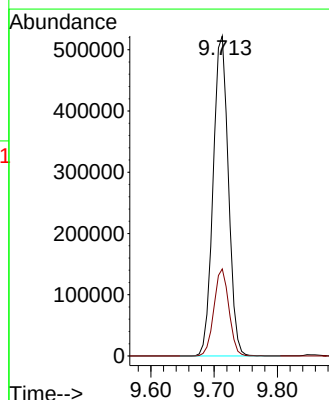
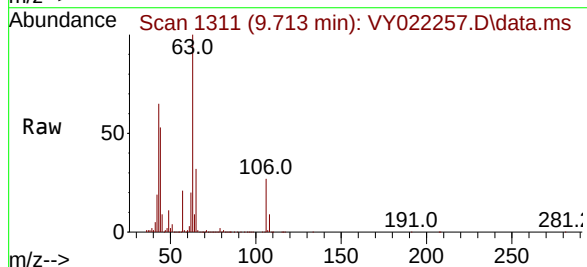
Acq: 15 May 2025 11:24

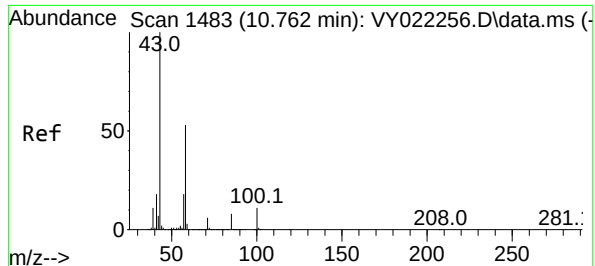
Tgt Ion: 63 Resp: 872907

Ion Ratio Lower Upper

63 100

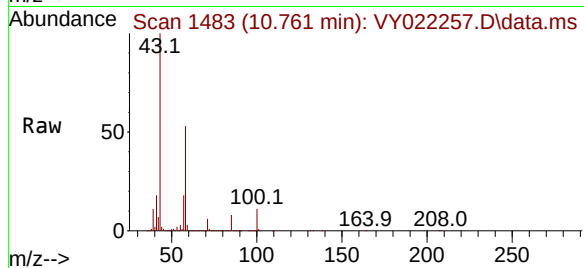
106 26.7 21.0 31.4





#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

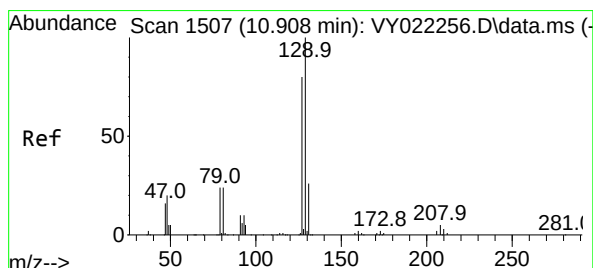
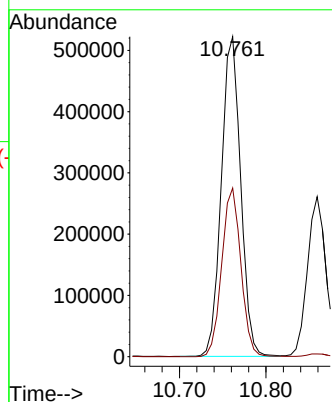
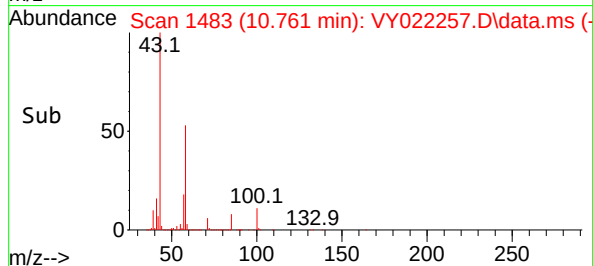
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 809288
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

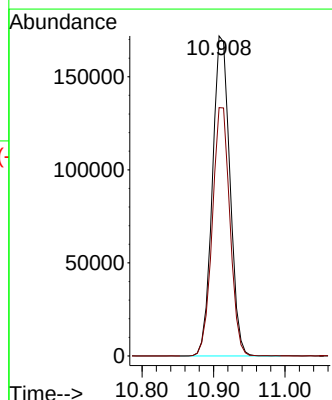
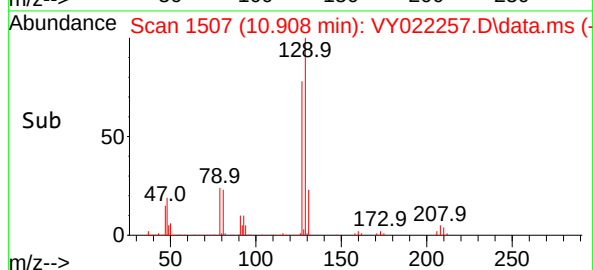
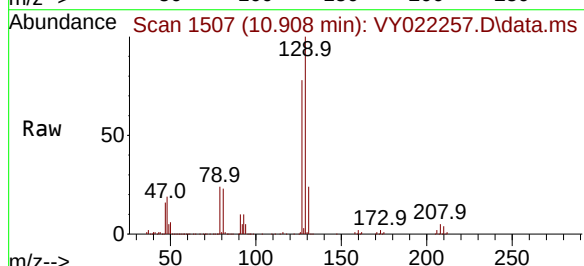
Manual Integrations
APPROVED

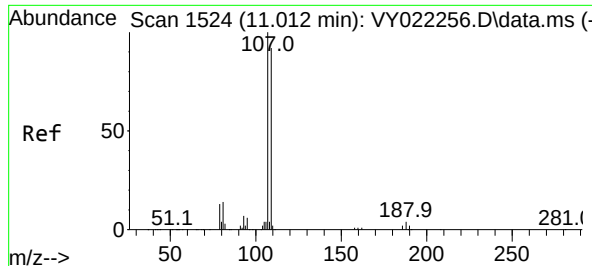
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

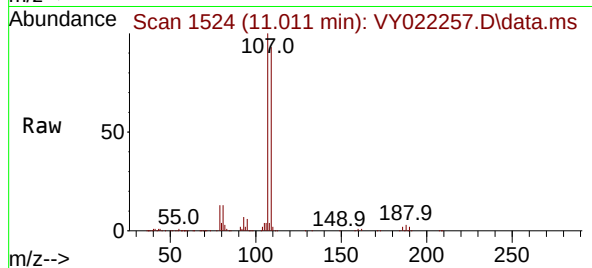
Tgt Ion:129 Resp: 292143
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#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

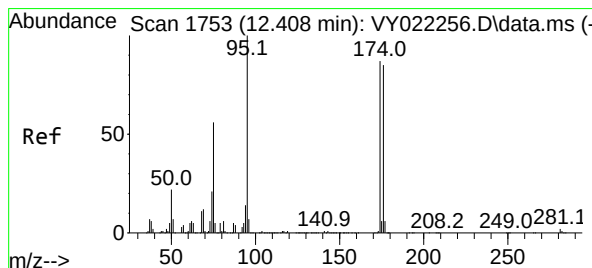
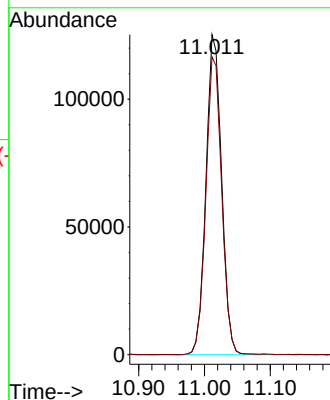
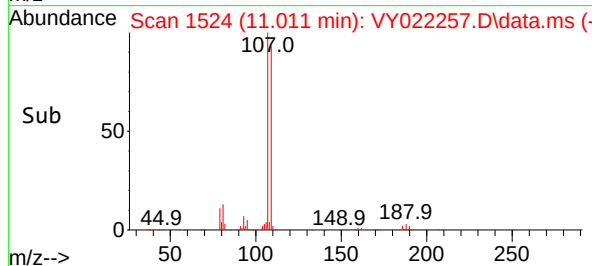
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 207260
Ion Ratio Lower Upper
107 100
109 94.0 74.6 111.8

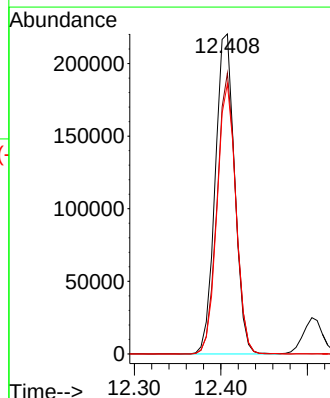
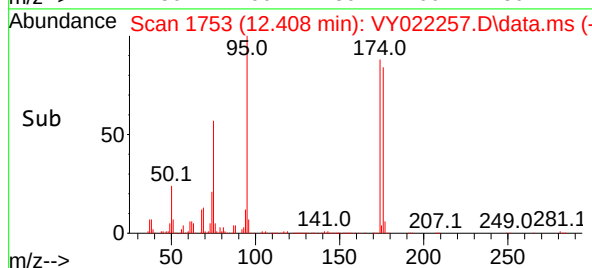
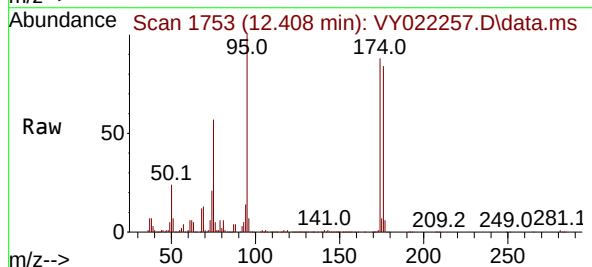
Manual Integrations
APPROVED

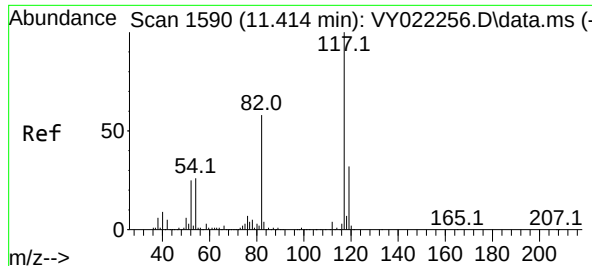
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

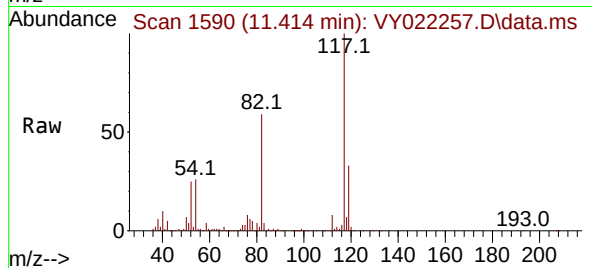
Tgt Ion: 95 Resp: 343397
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 81.7 0.0 160.8





#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

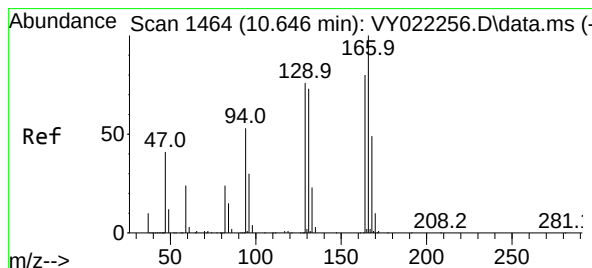
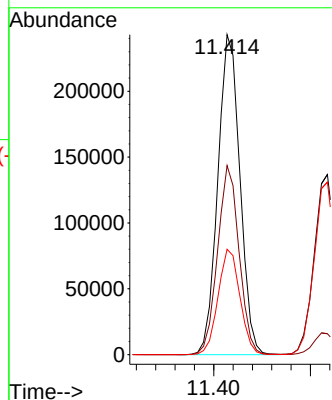
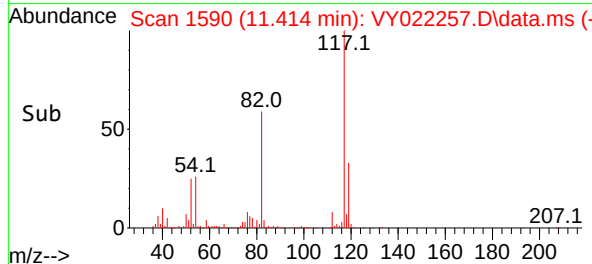
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

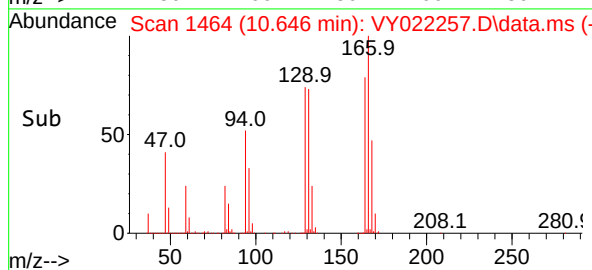
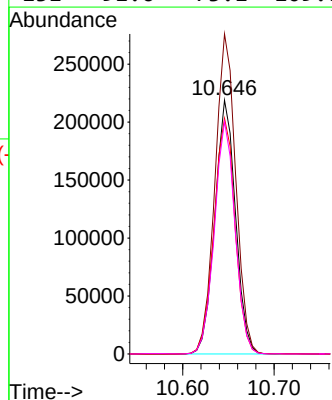
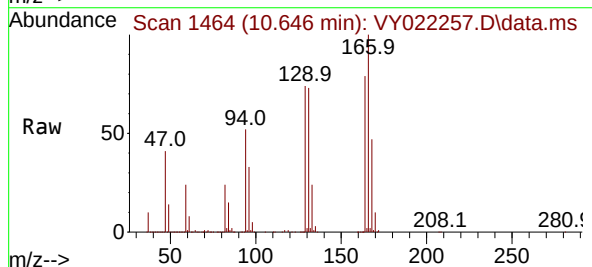
Manual Integrations
APPROVED

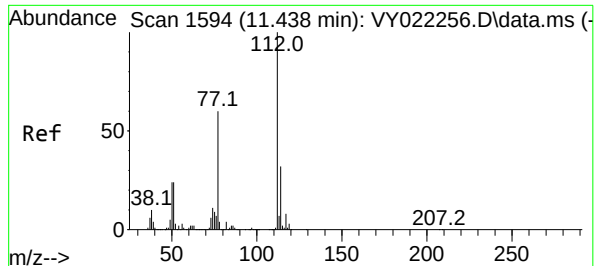
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

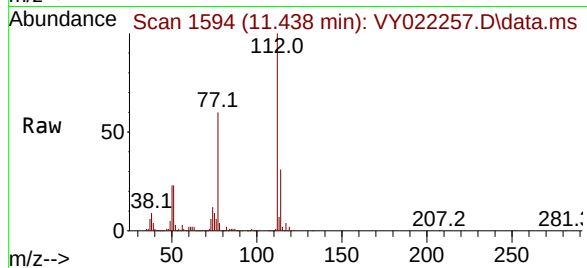
Tgt Ion:164 Resp: 343677
Ion Ratio Lower Upper
164 100
166 126.1 100.4 150.6
129 92.9 76.4 114.6
131 91.6 73.1 109.7





#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

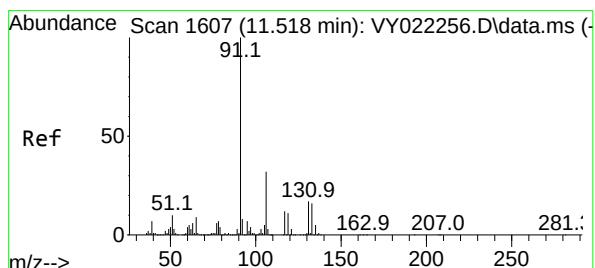
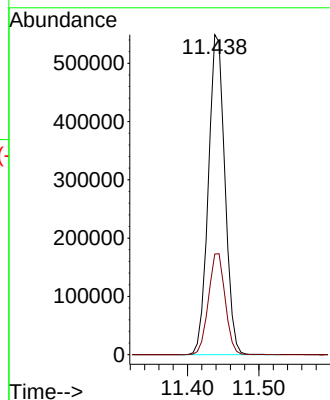
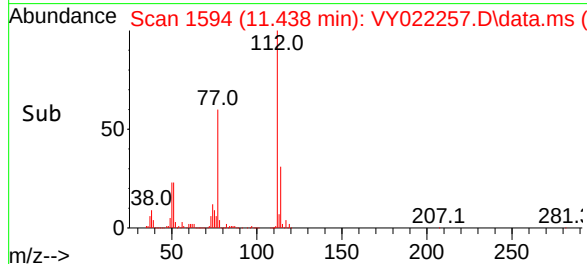
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 881080
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

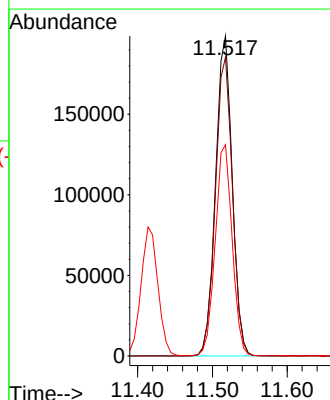
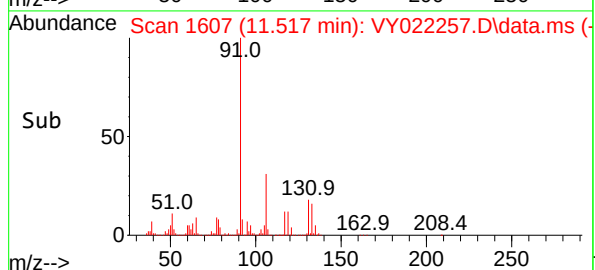
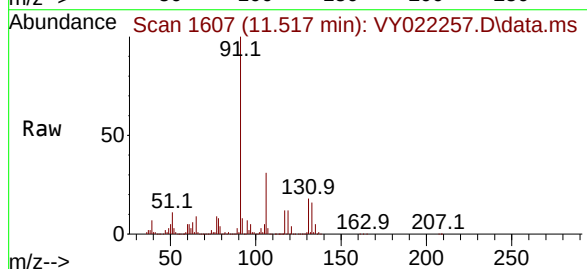
Manual Integrations
APPROVED

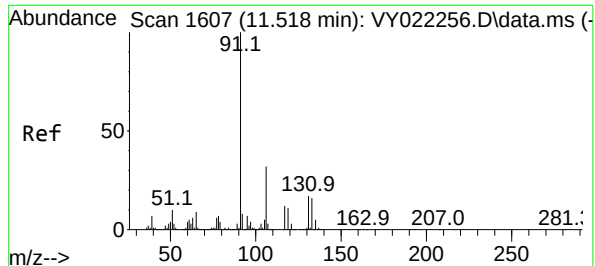
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

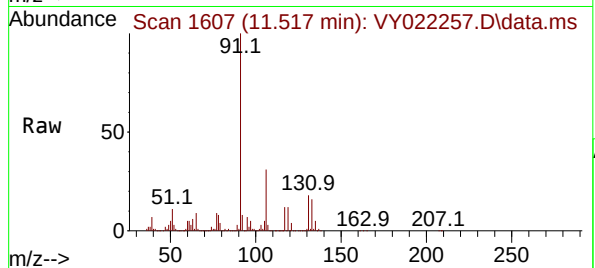
Tgt Ion:131 Resp: 307866
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 67.2 33.1 99.2





#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

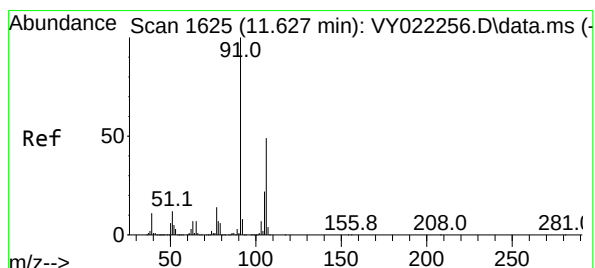
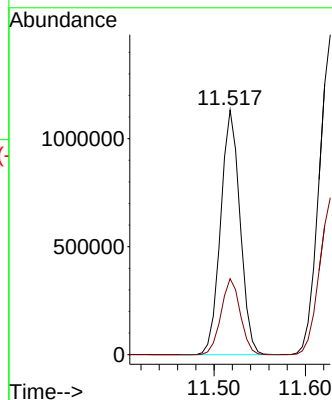
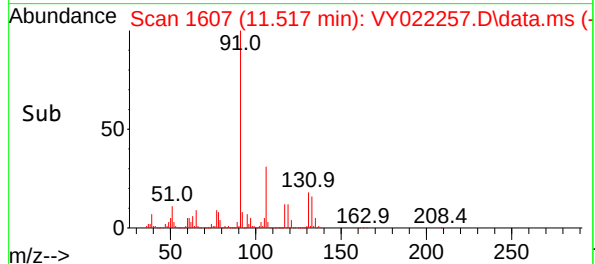
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



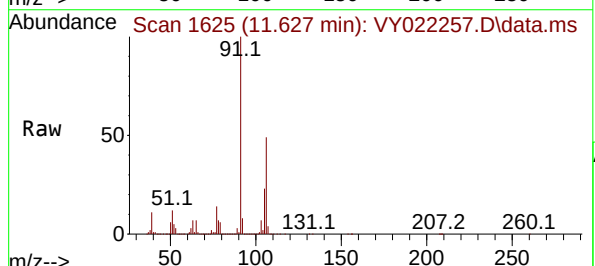
Tgt Ion: 91 Resp: 167435
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

Manual Integrations
APPROVED

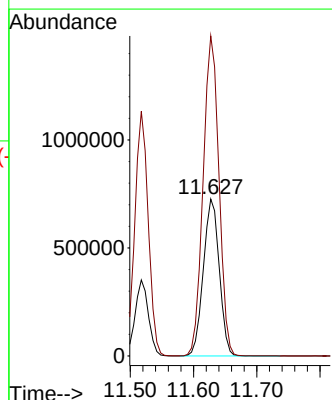
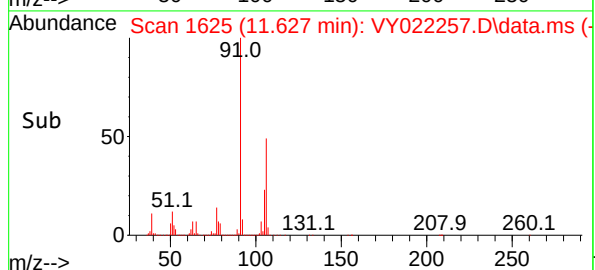
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

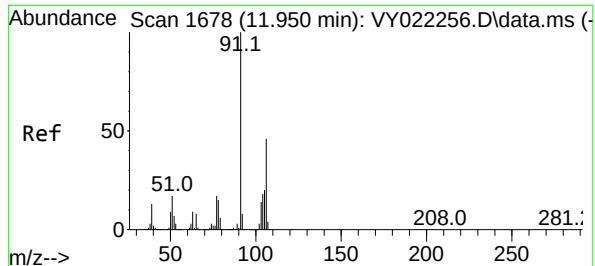


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



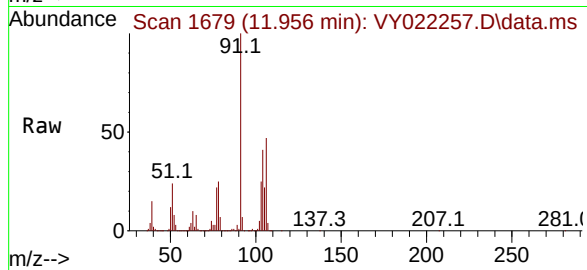
Tgt Ion:106 Resp: 1271299
Ion Ratio Lower Upper
106 100
91 203.2 163.0 244.4





#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

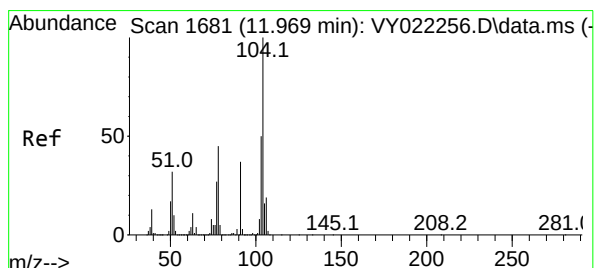
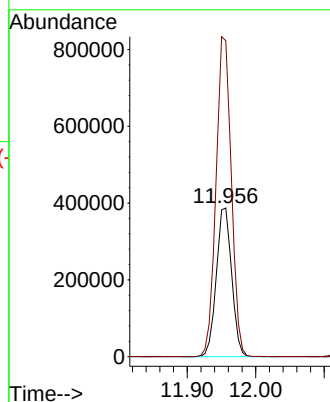
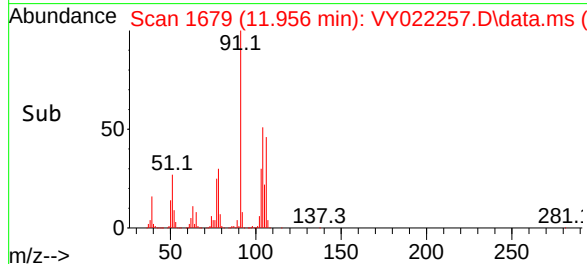
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



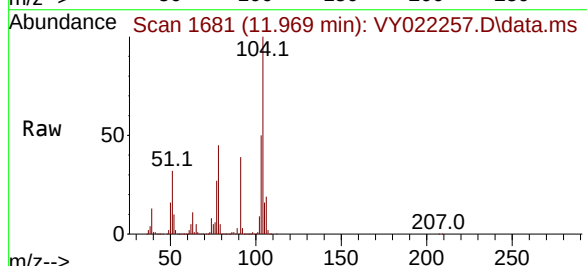
Tgt Ion:106 Resp: 602390
Ion Ratio Lower Upper
106 100
91 214.7 108.3 324.8

Manual Integrations
APPROVED

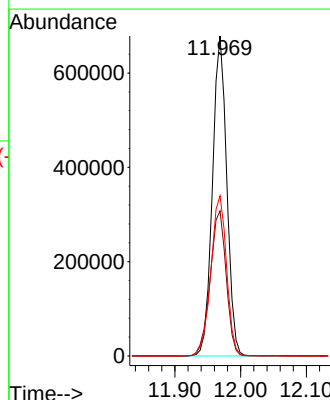
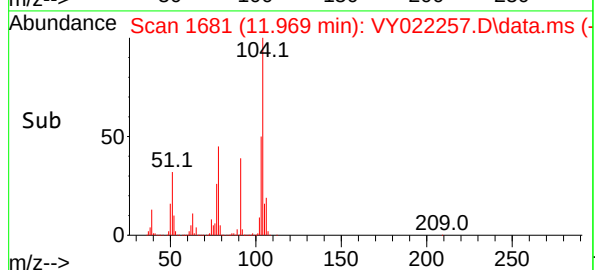
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

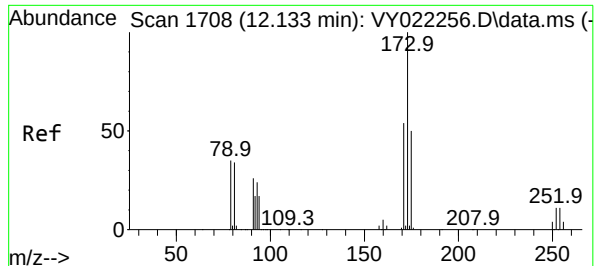


#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24



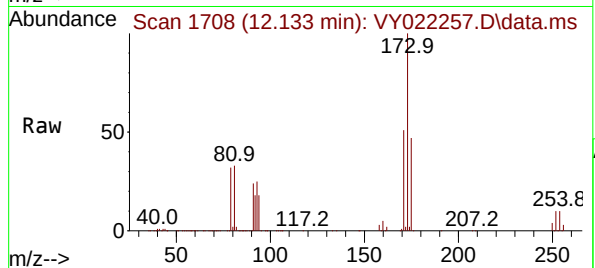
Tgt Ion:104 Resp: 1028498
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 54.7 43.7 65.5





#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

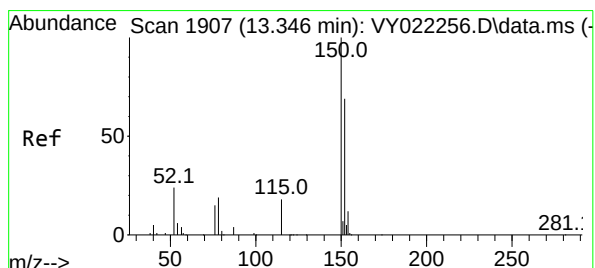
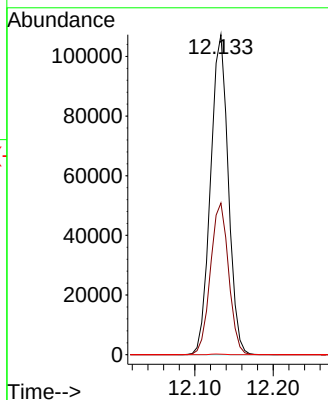
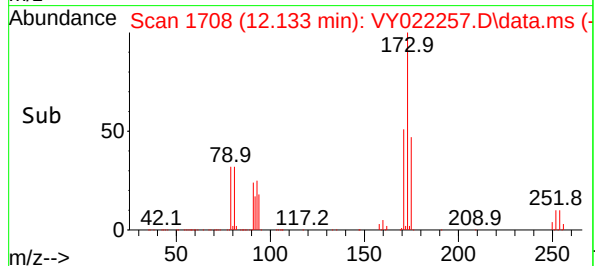
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

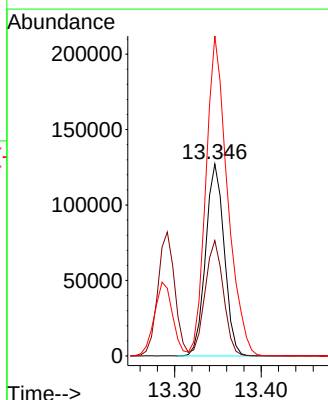
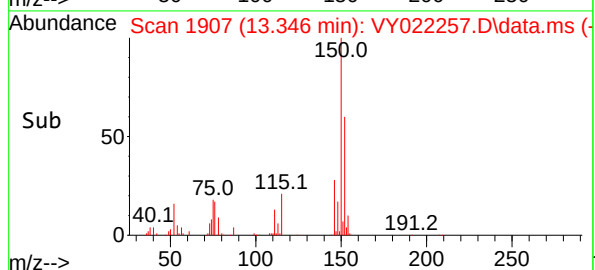
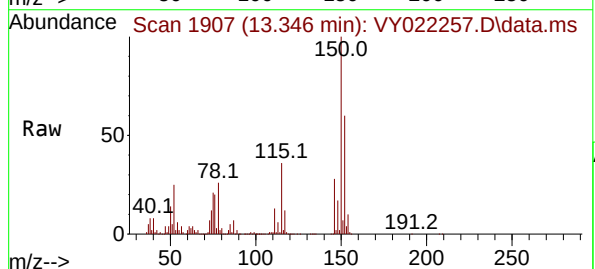
Manual Integrations
APPROVED

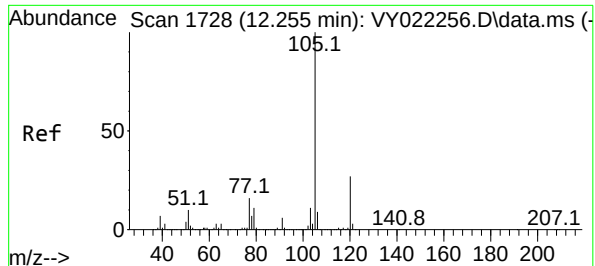
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

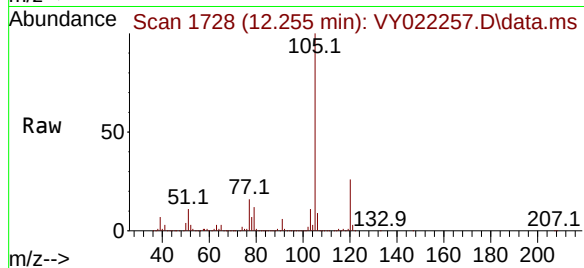
Tgt Ion:152 Resp: 189780
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.2
150 193.1 0.0 353.8





#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

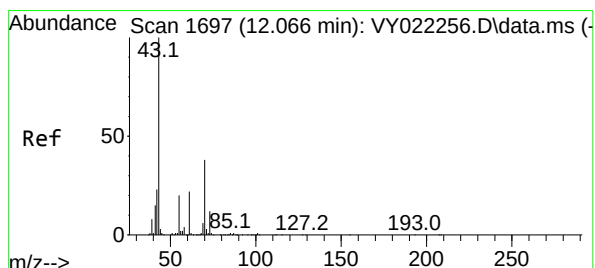
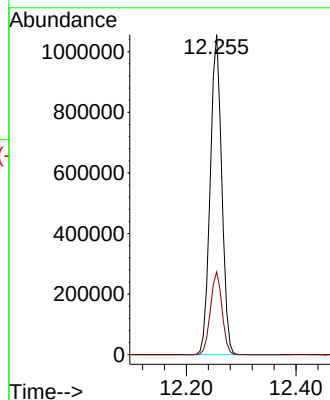
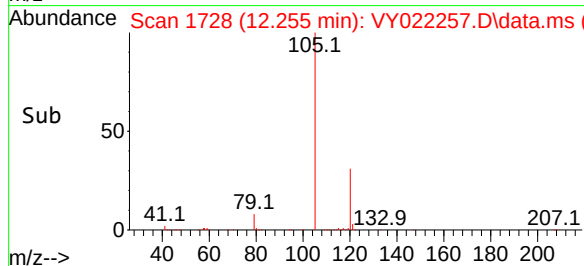
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 152885
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6

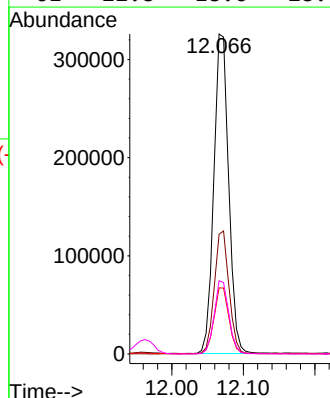
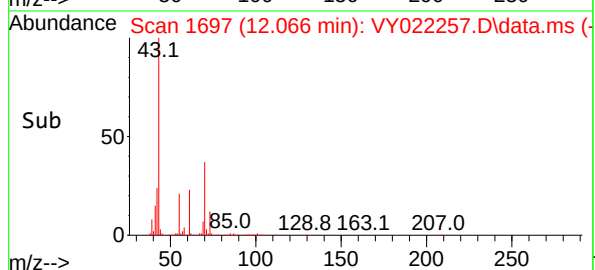
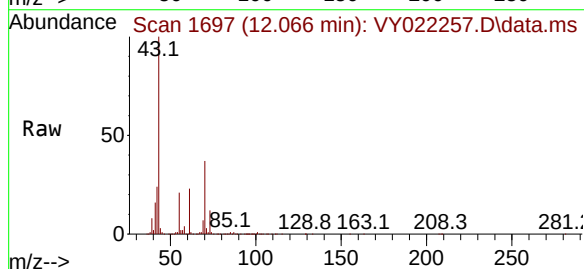
Manual Integrations
APPROVED

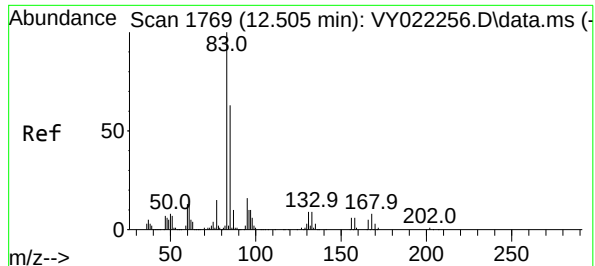
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

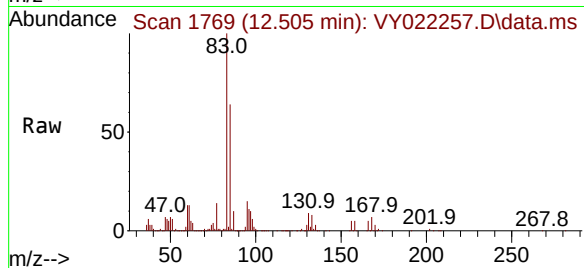
Tgt Ion: 43 Resp: 468707
Ion Ratio Lower Upper
43 100
70 38.2 31.4 47.0
55 20.8 17.0 25.6
61 22.8 18.6 28.0





#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

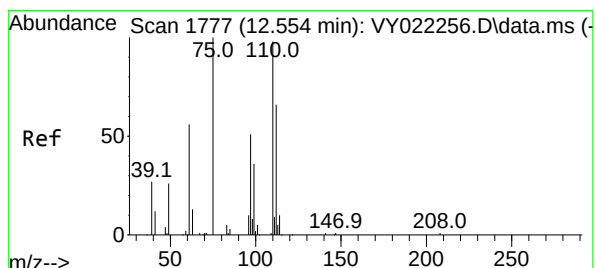
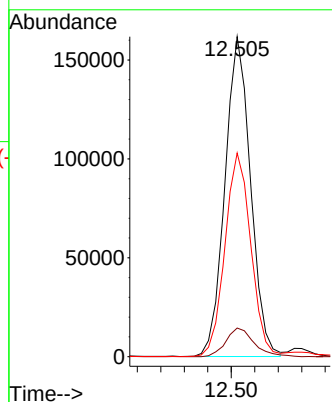
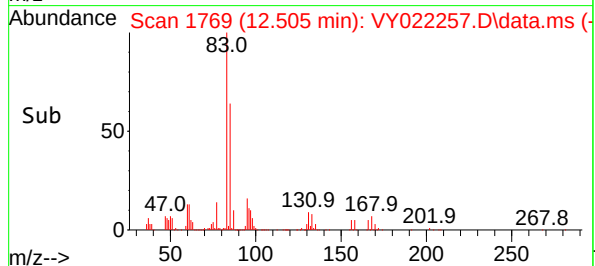
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

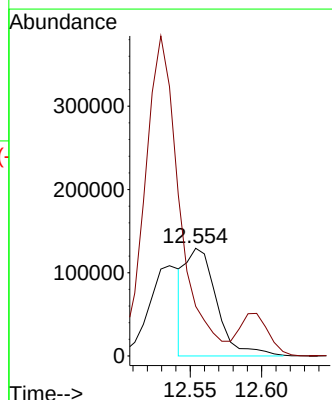
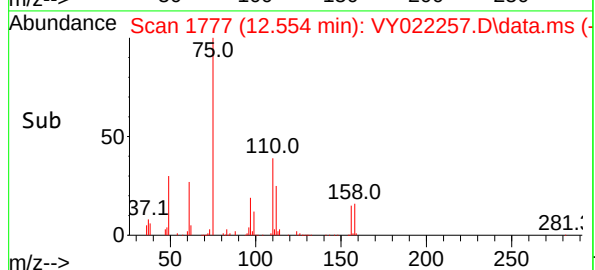
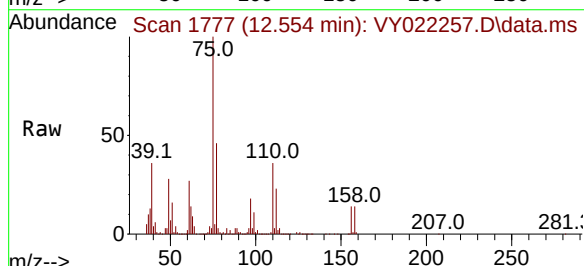
Manual Integrations
APPROVED

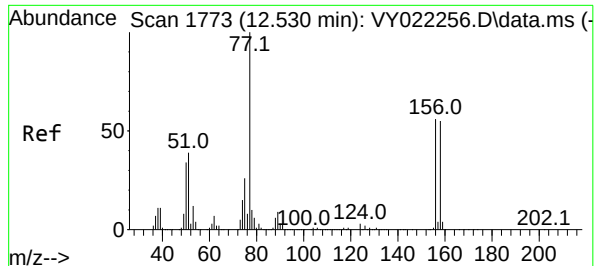
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

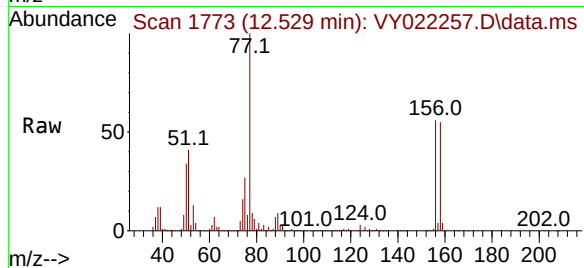
Tgt Ion: 75 Resp: 197600
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

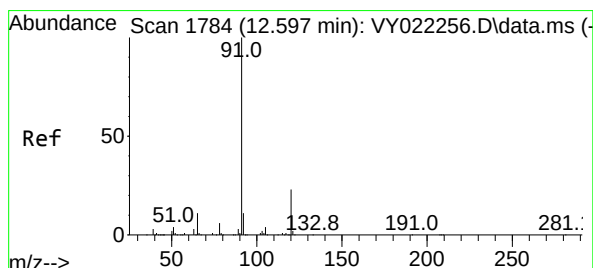
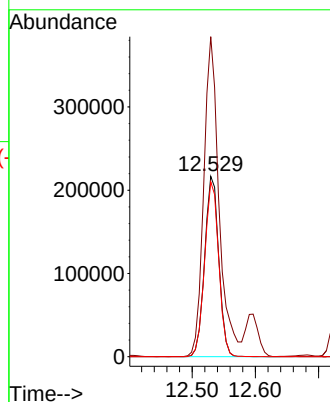
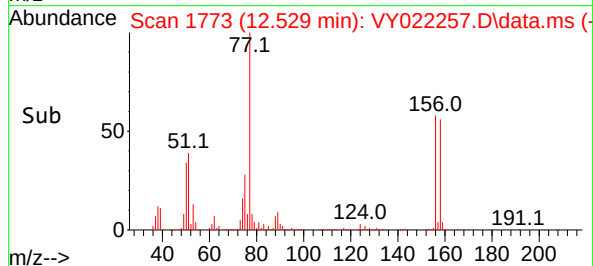
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

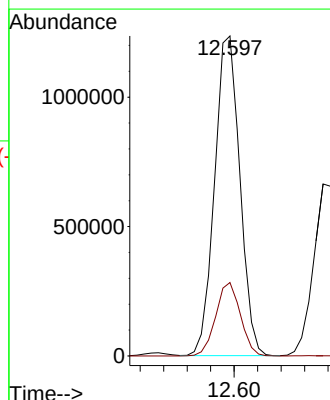
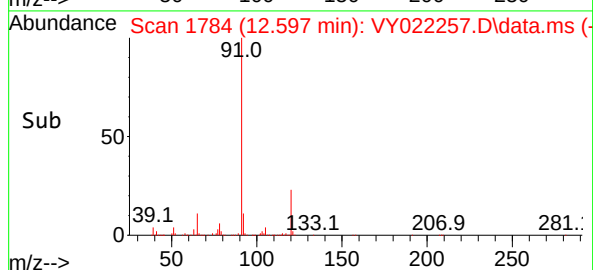
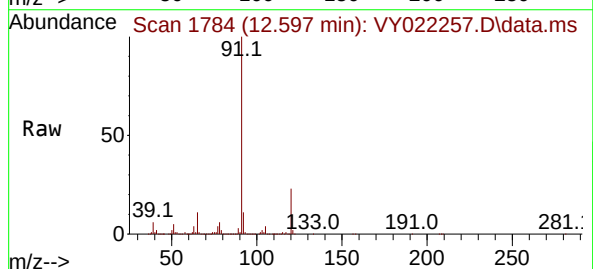
Manual Integrations
APPROVED

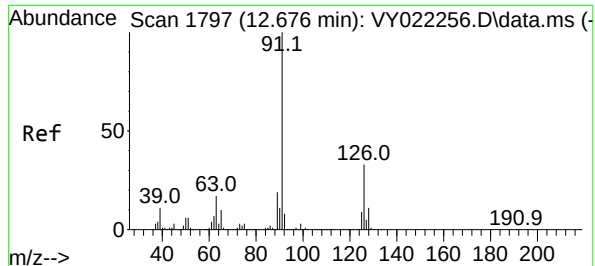
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

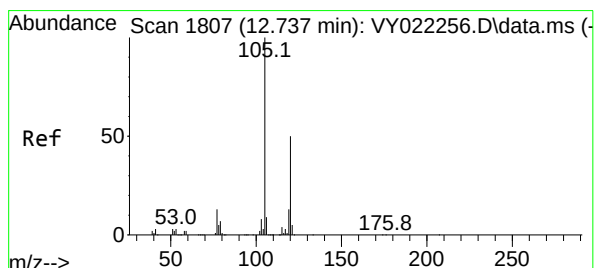
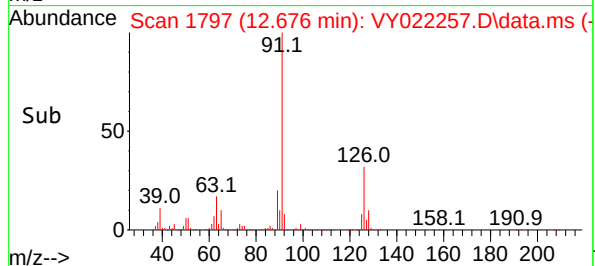
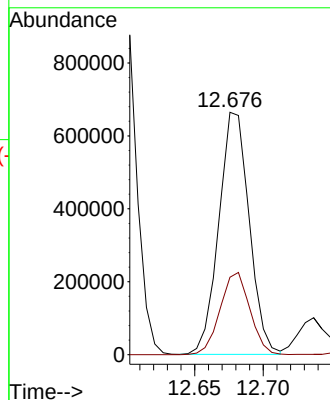
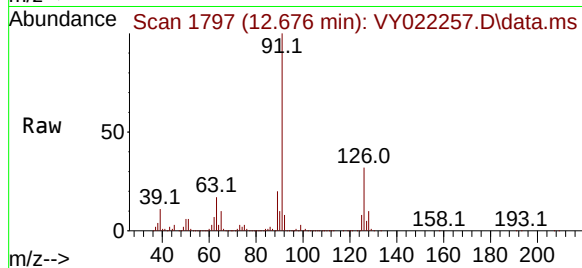
91 100

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

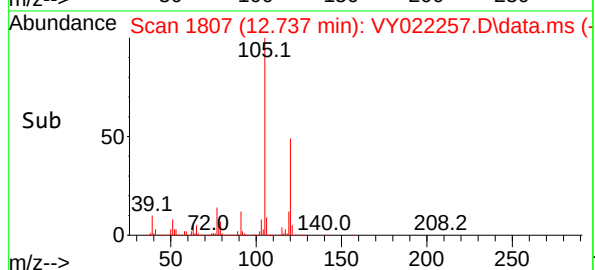
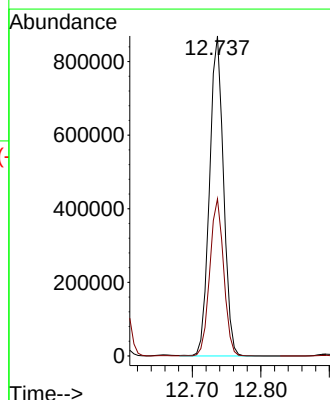
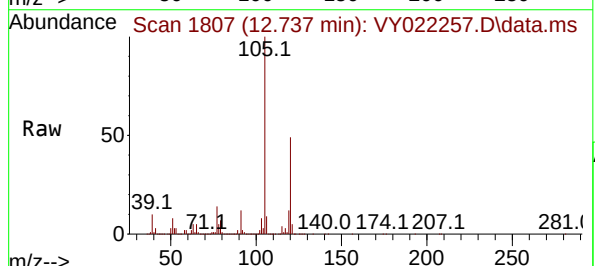
Acq: 15 May 2025 11:24

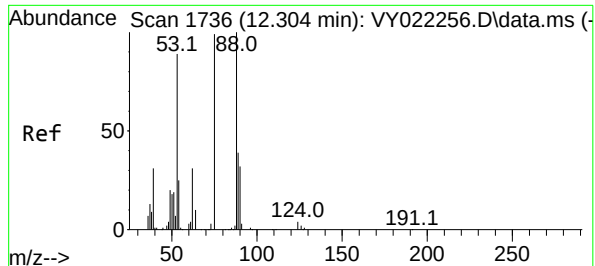
Tgt Ion:105 Resp: 1233838

Ion Ratio Lower Upper

105 100

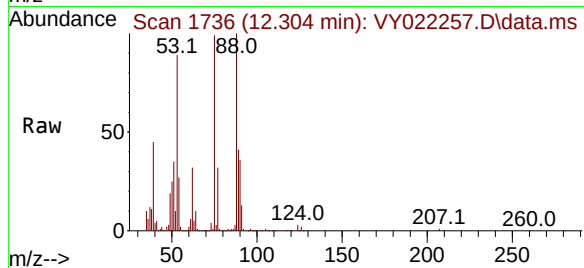
120 48.8 24.2 72.6





#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

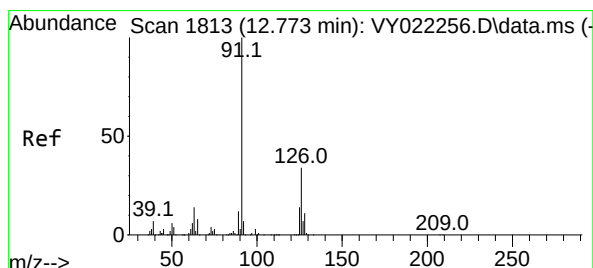
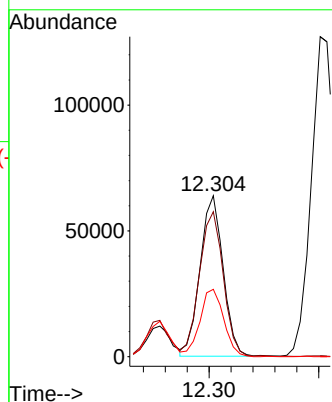
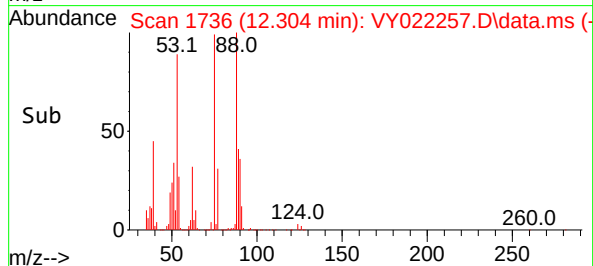
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

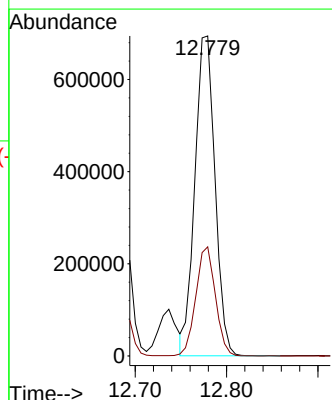
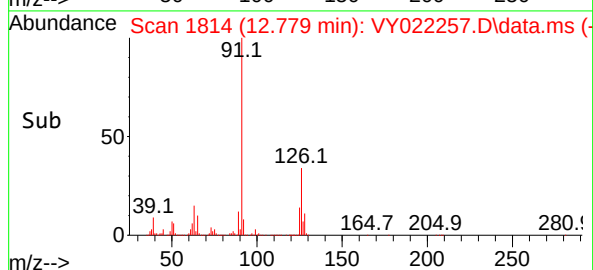
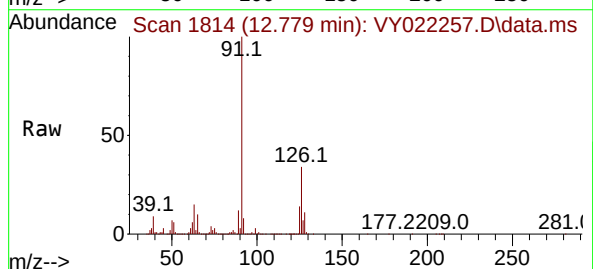
Manual Integrations
APPROVED

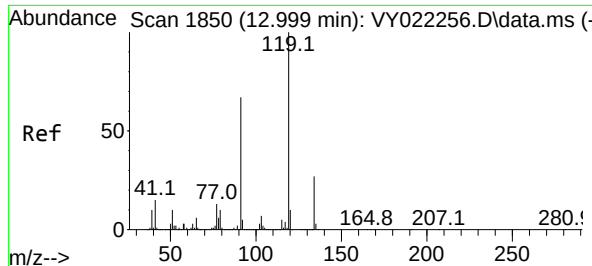
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

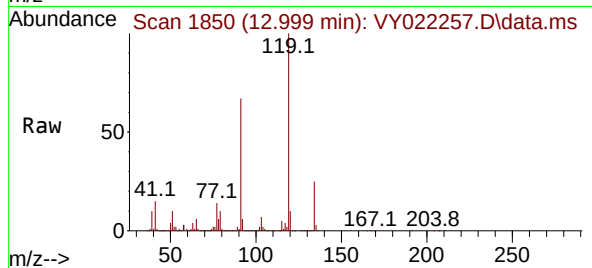
Tgt Ion: 91 Resp: 1061772
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.4





#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

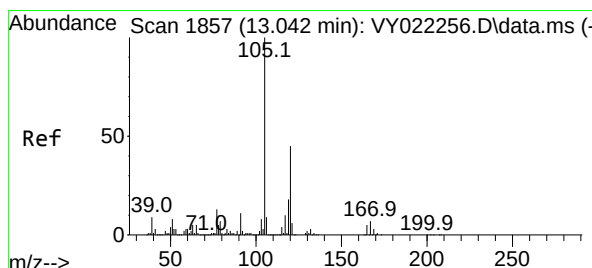
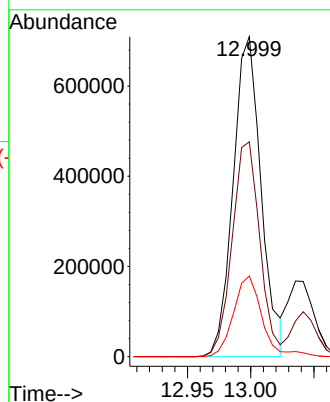
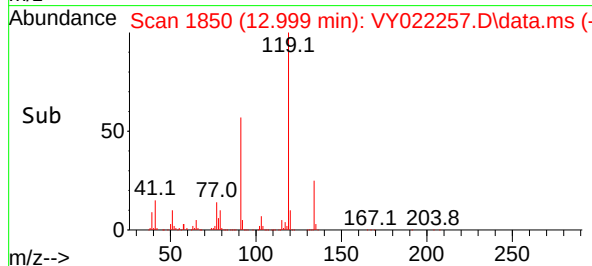
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

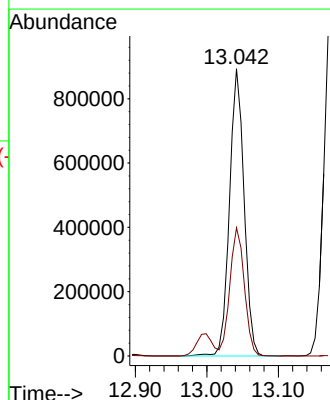
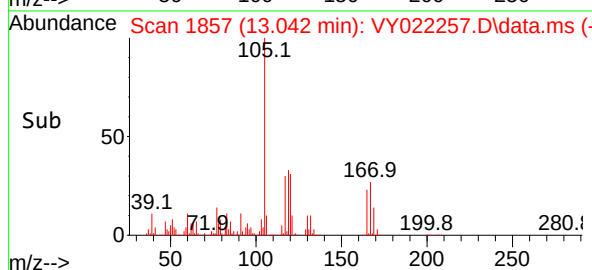
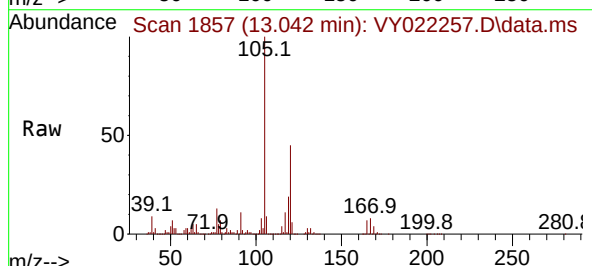
Manual Integrations
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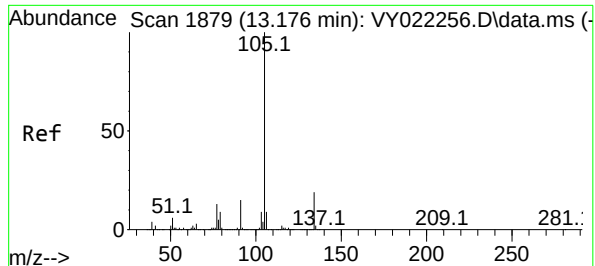
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

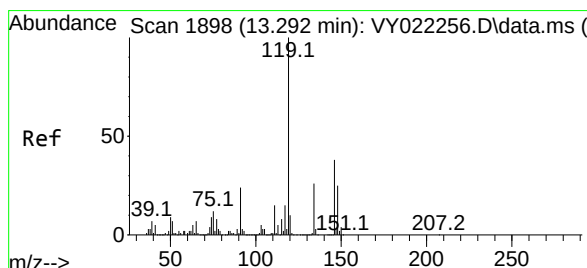
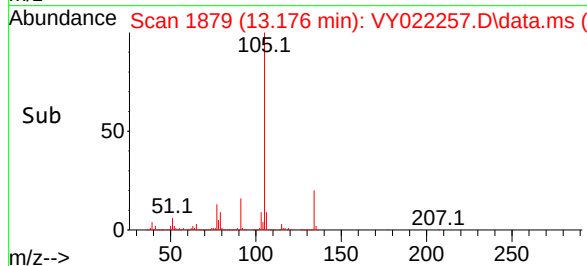
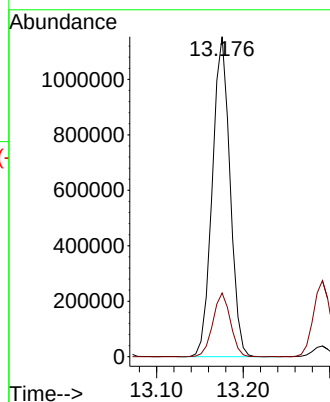
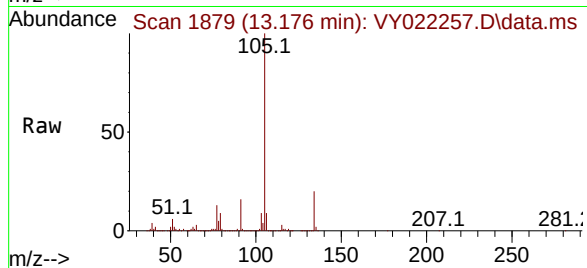
134 19.8 9.8 29.5

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

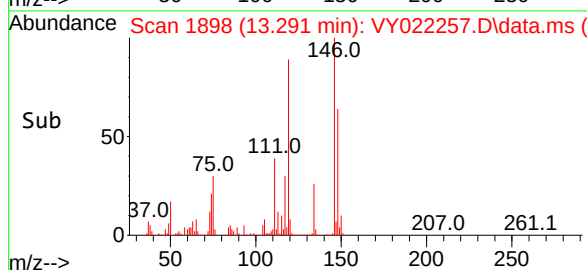
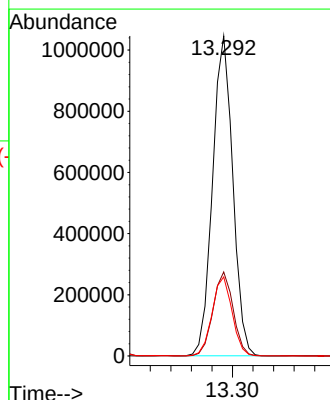
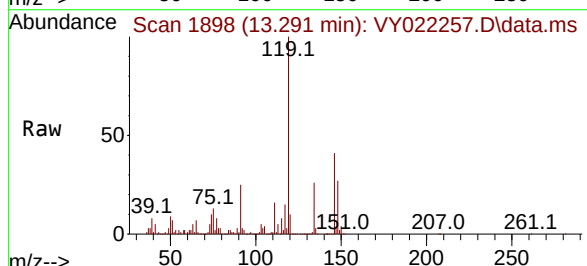
Tgt Ion:119 Resp: 1424684

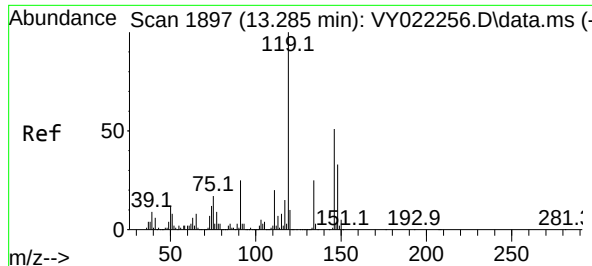
Ion Ratio Lower Upper

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

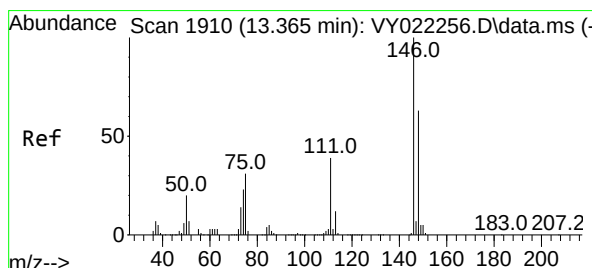
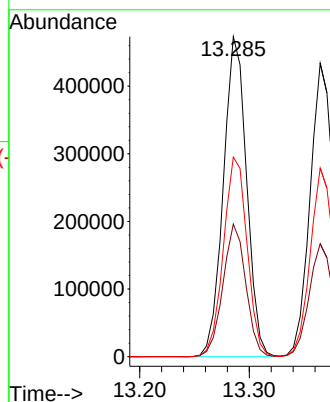
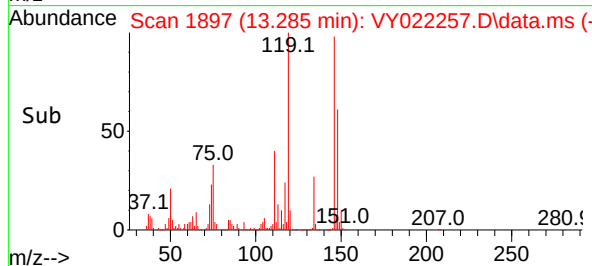
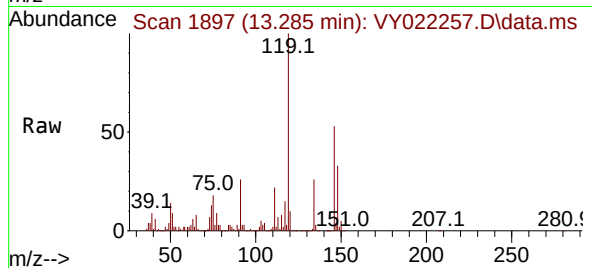
148 63.6 31.9 95.7

Manual Integrations

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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

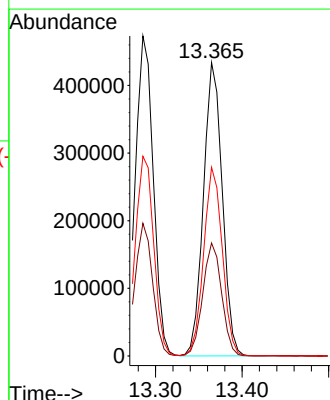
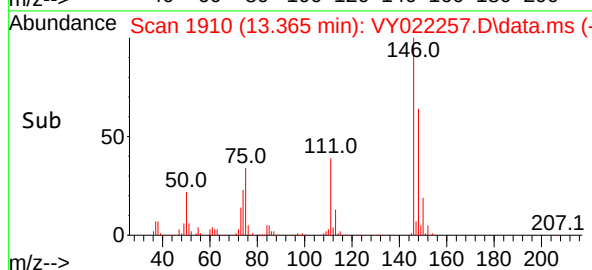
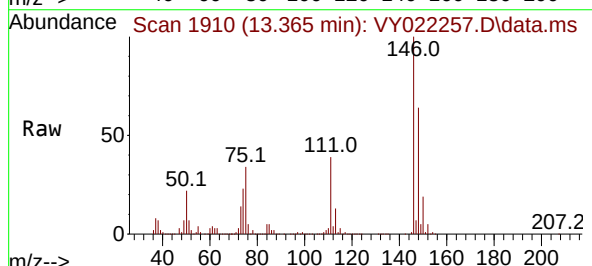
Tgt Ion:146 Resp: 654104

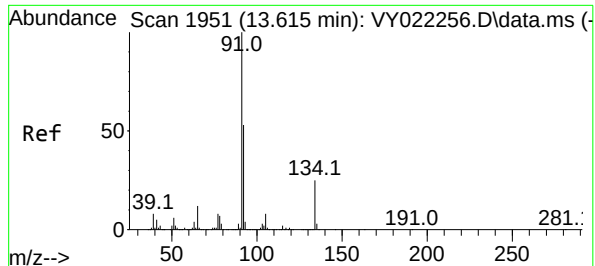
Ion Ratio Lower Upper

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

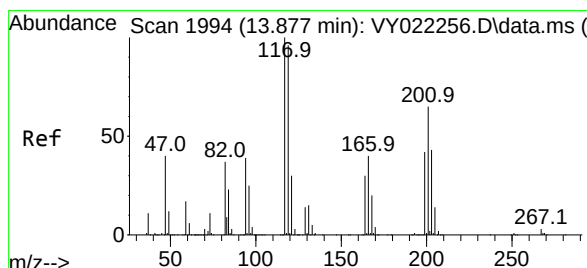
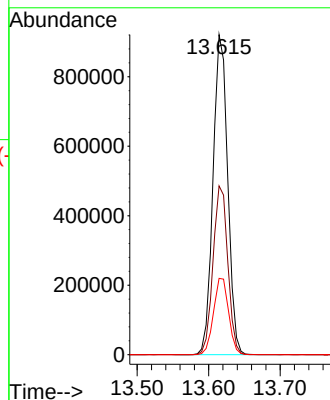
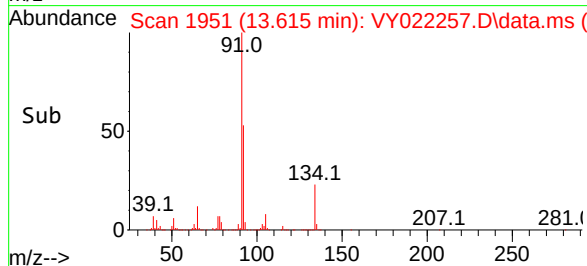
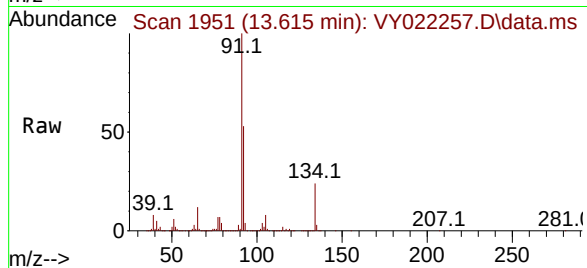
91 100

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

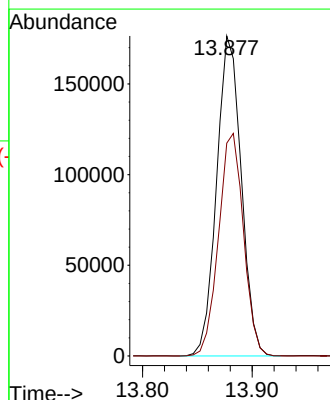
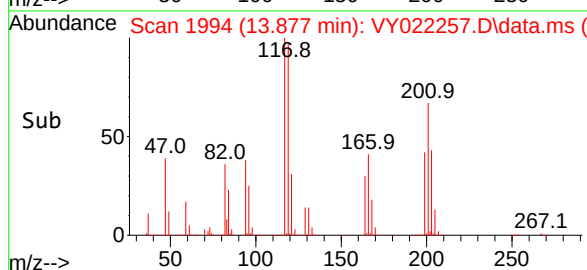
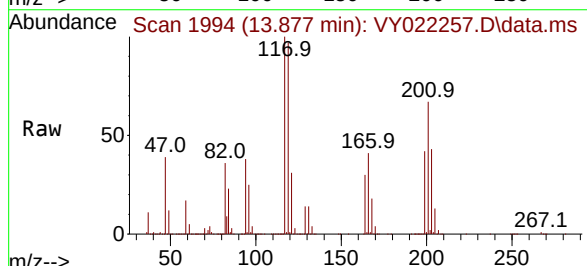
Acq: 15 May 2025 11:24

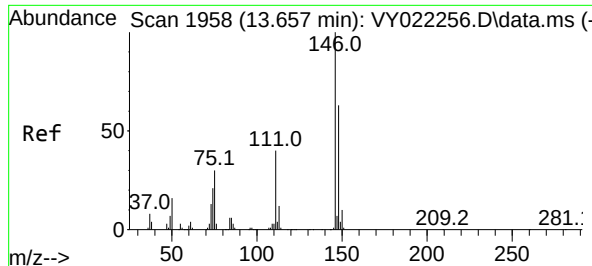
Tgt Ion:117 Resp: 275652

Ion Ratio Lower Upper

117 100

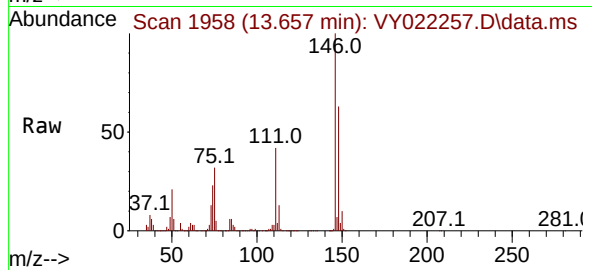
201 70.4 35.2 105.6





#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

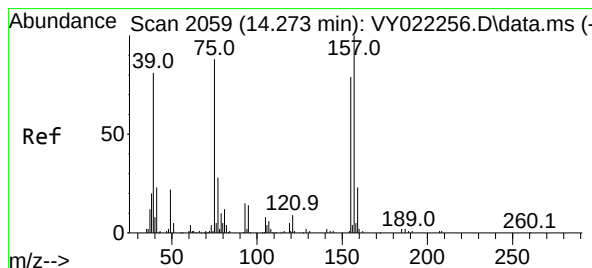
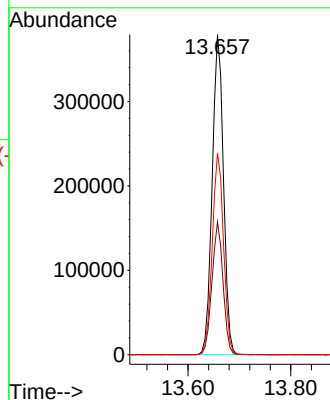
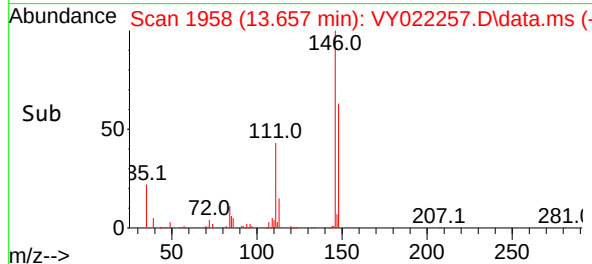
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

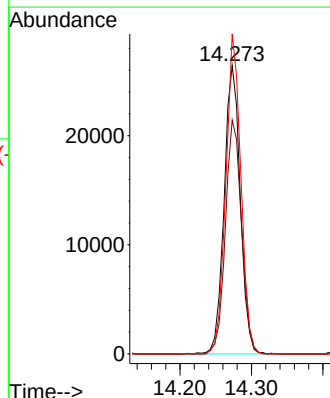
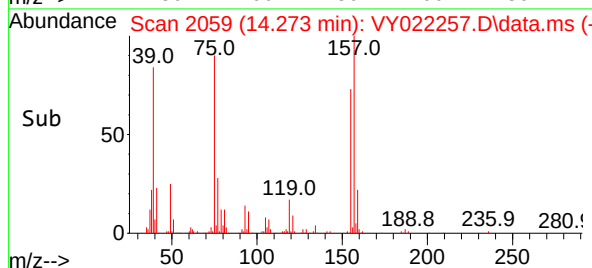
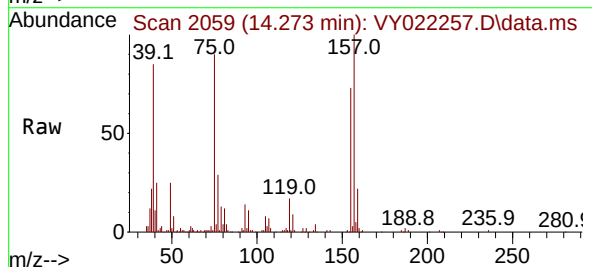
Manual Integrations
APPROVED

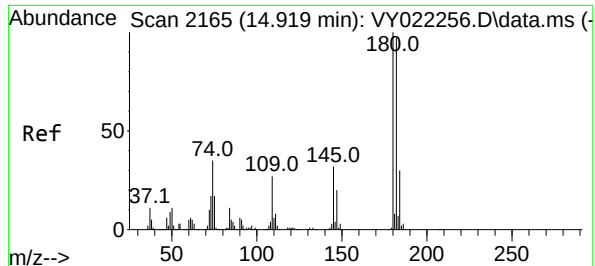
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

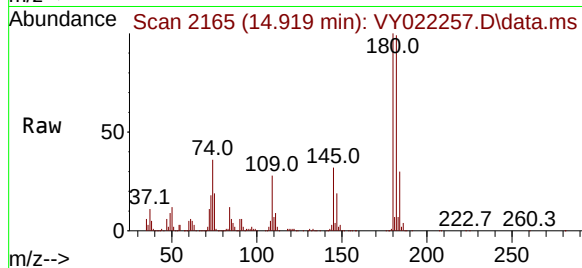
Acq: 15 May 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion:180 Resp: 342939

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.0

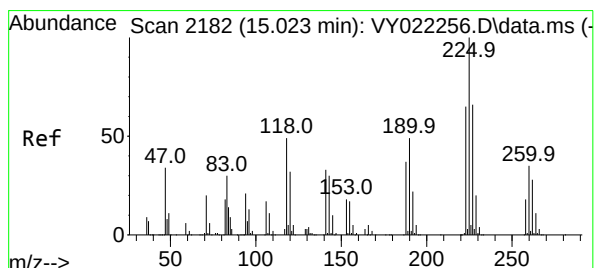
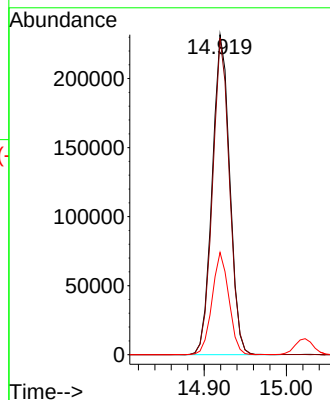
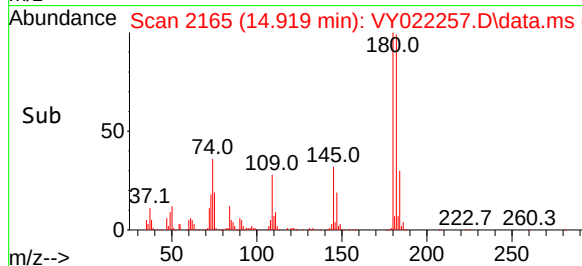
145 30.7 15.0 45.1

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

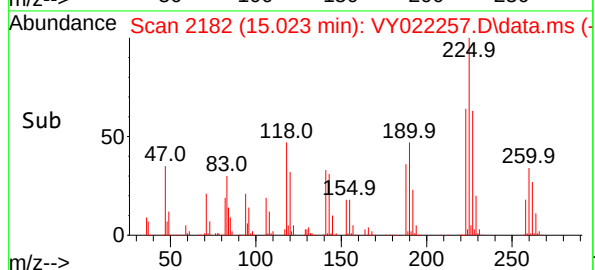
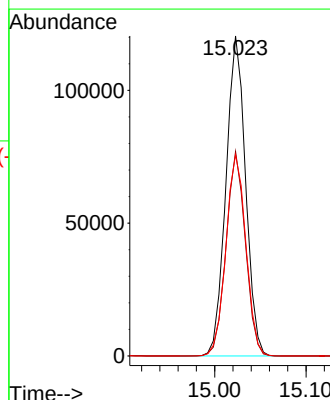
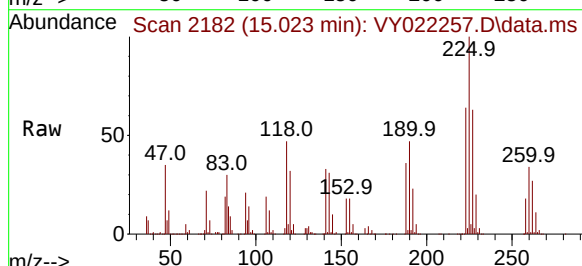
Tgt Ion:225 Resp: 180060

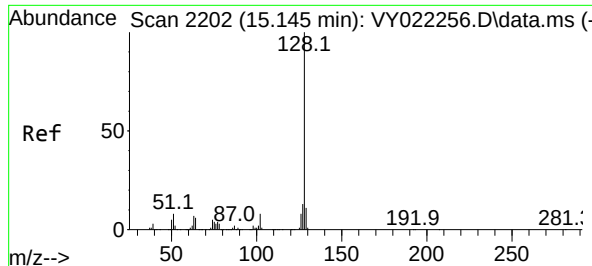
Ion Ratio Lower Upper

225 100

223 62.8 31.5 94.5

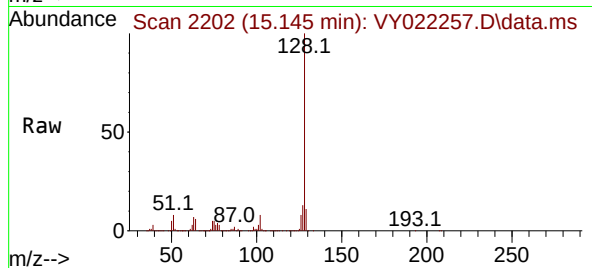
227 64.1 32.1 96.3





#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

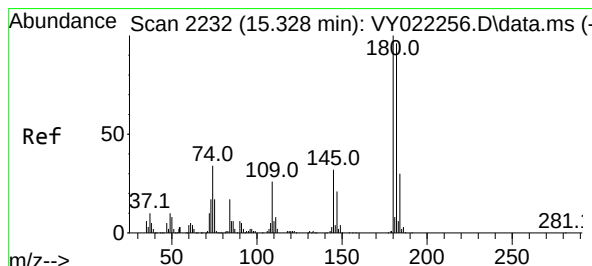
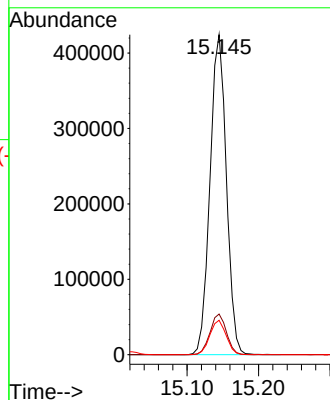
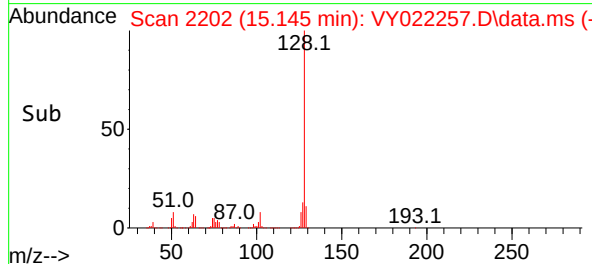
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

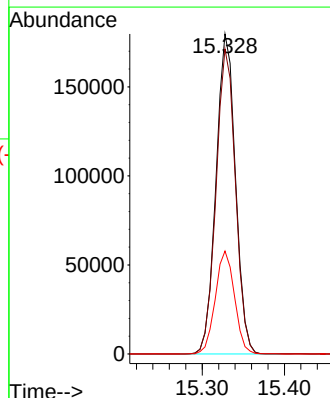
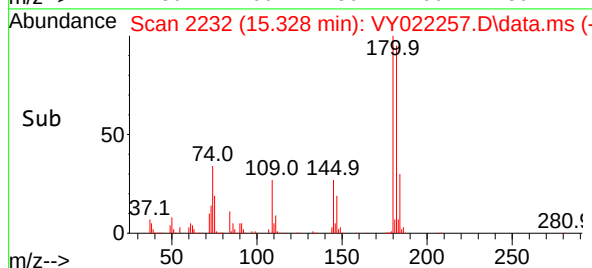
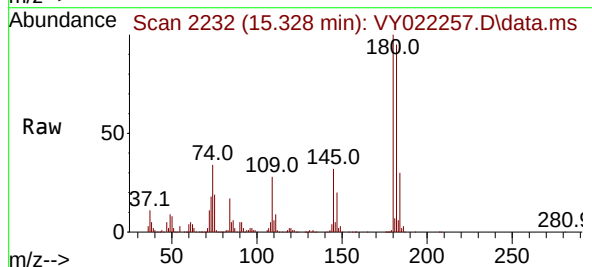
Manual Integrations
APPROVED

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

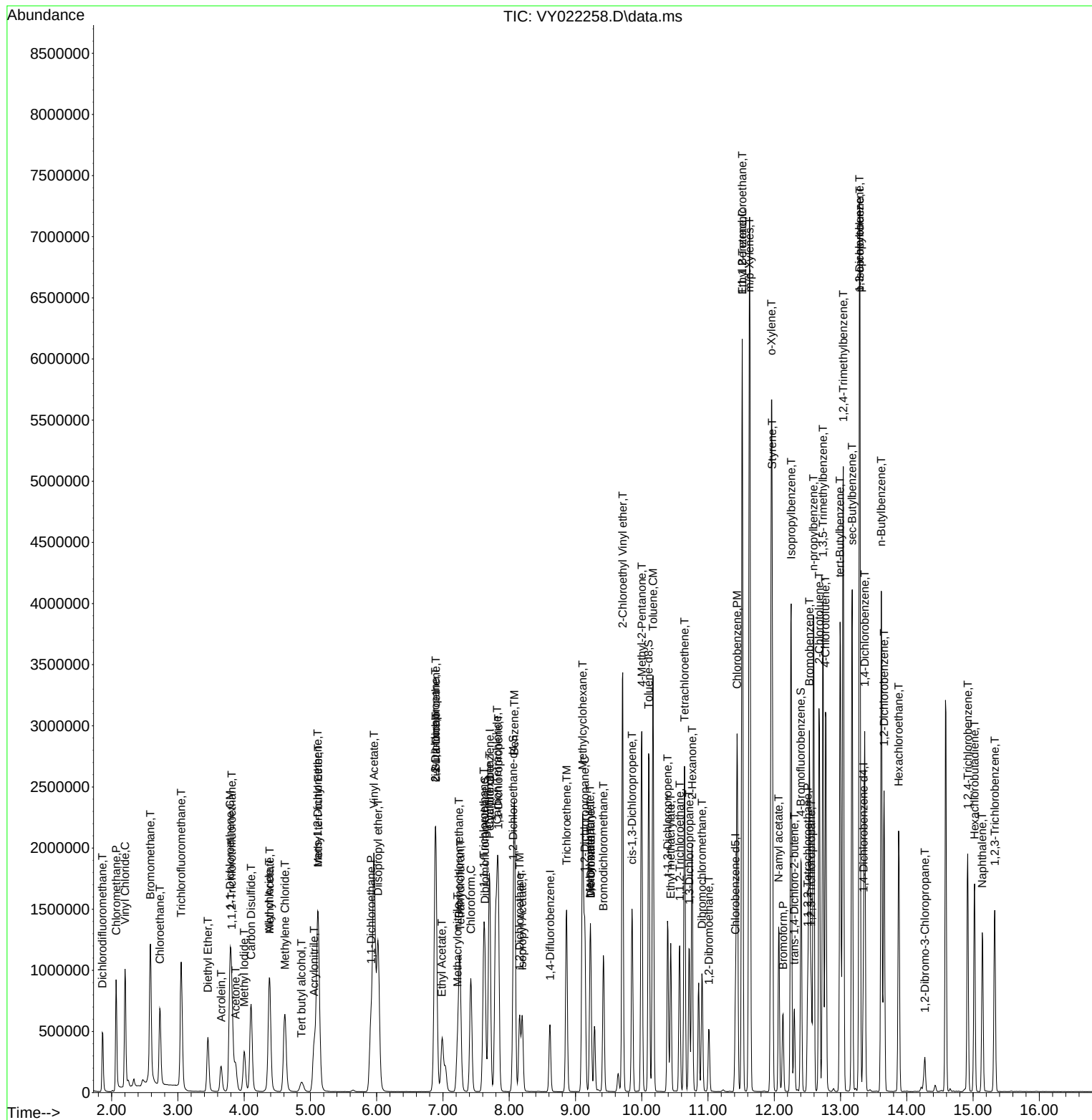
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Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

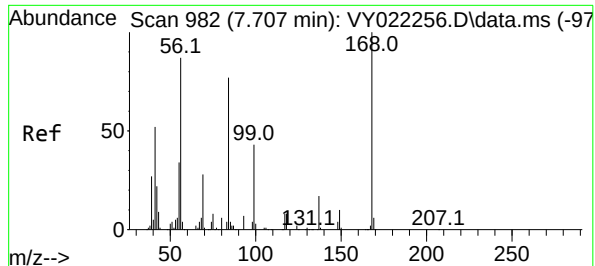
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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





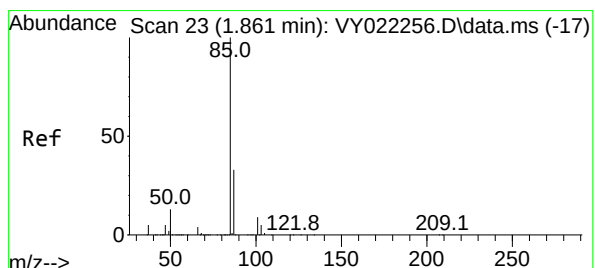
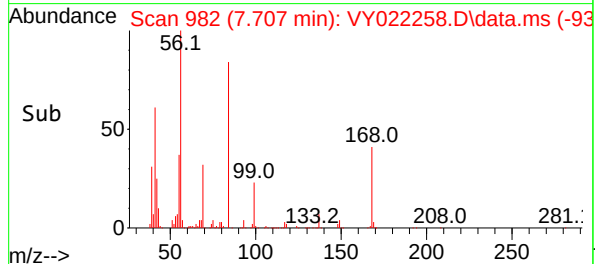
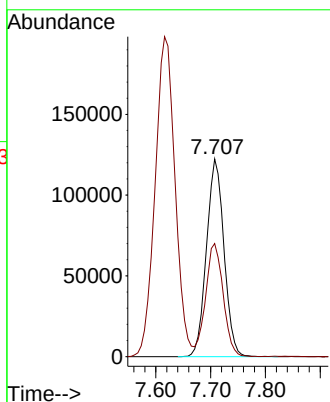
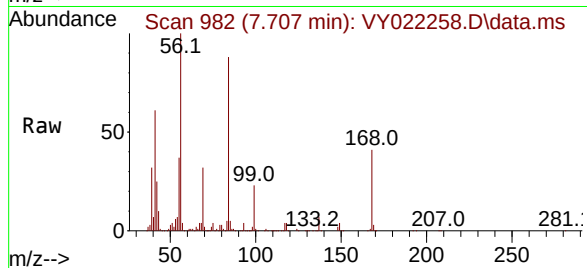
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 27102
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4

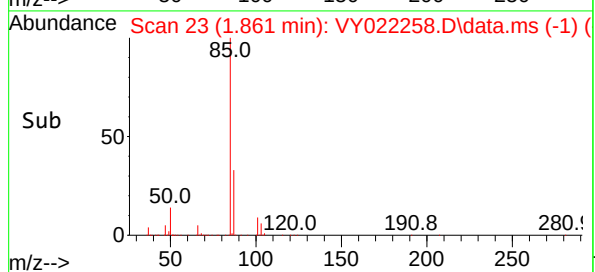
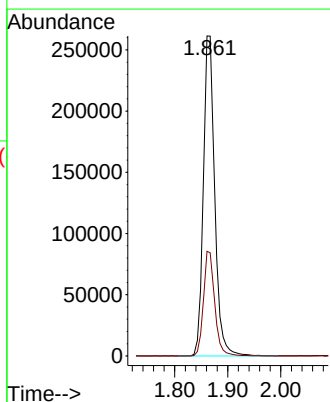
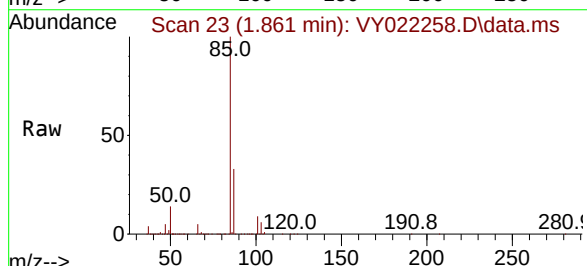
Manual Integrations
APPROVED

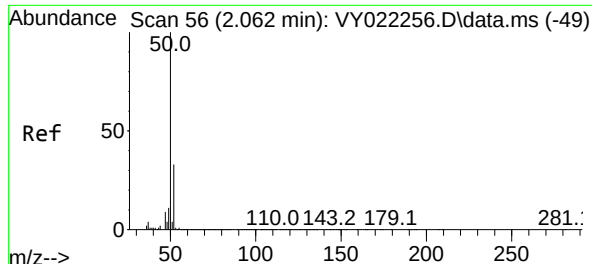
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

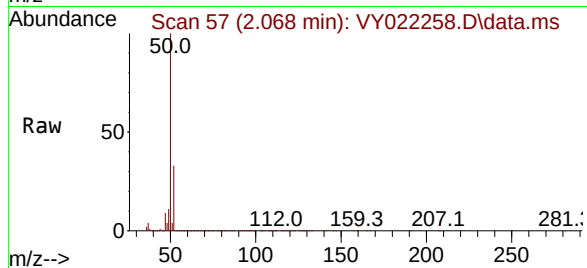
Tgt Ion: 85 Resp: 389593
Ion Ratio Lower Upper
85 100
87 32.7 16.5 49.5





#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

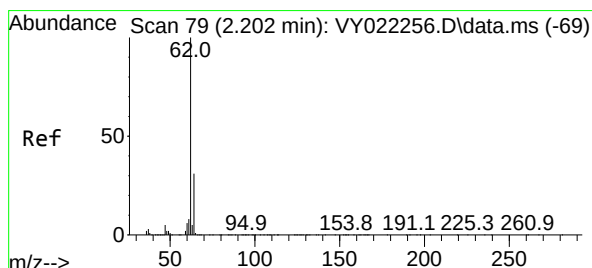
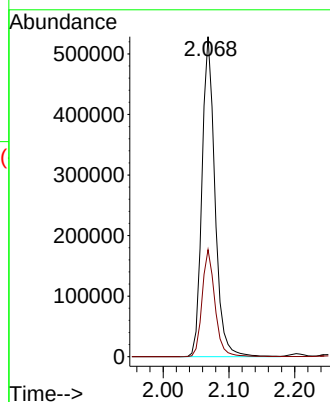
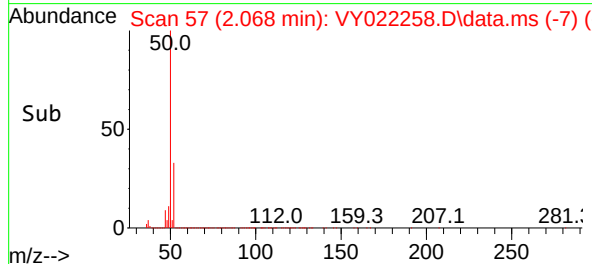
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 72724
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7

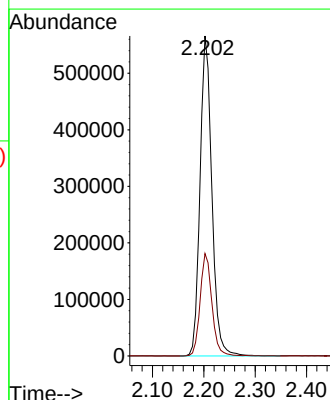
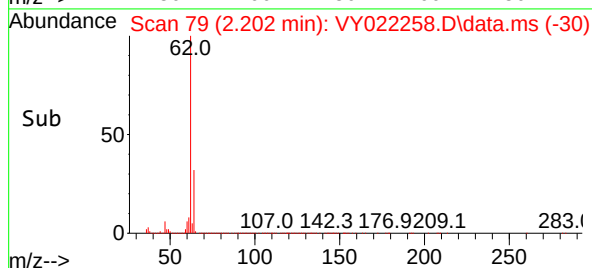
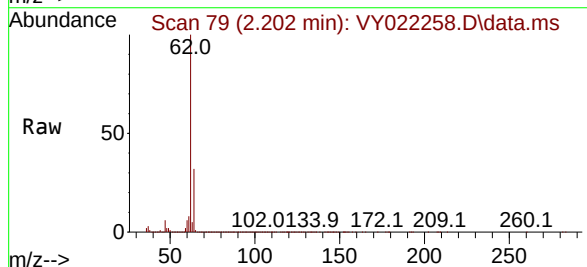
Manual Integrations
APPROVED

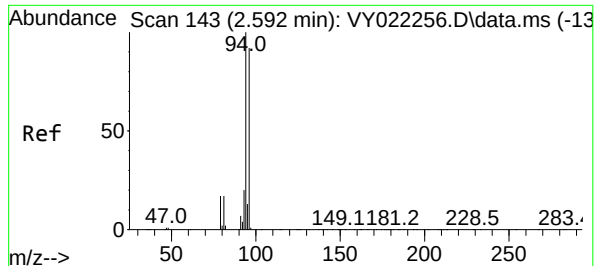
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

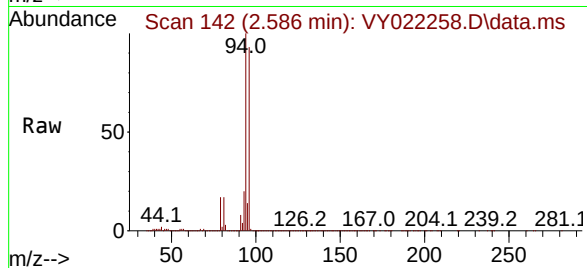
Tgt Ion: 62 Resp: 902596
Ion Ratio Lower Upper
62 100
64 32.0 24.5 36.7





#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

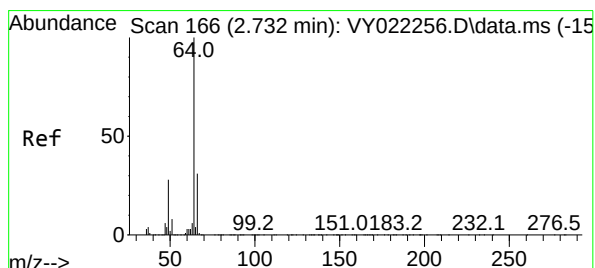
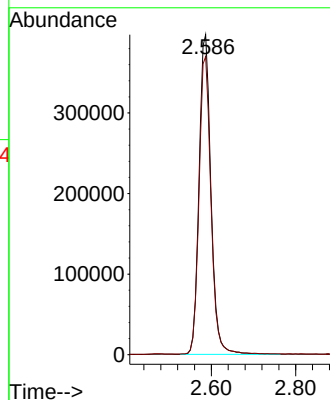
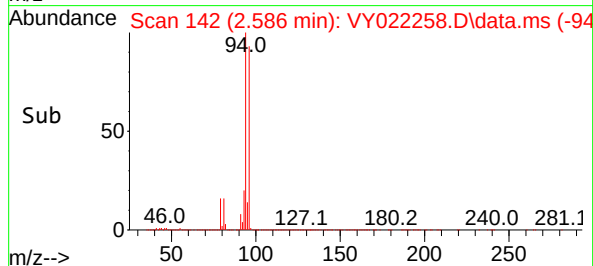
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 78010
Ion Ratio Lower Upper
94 100
96 93.0 73.4 110.0

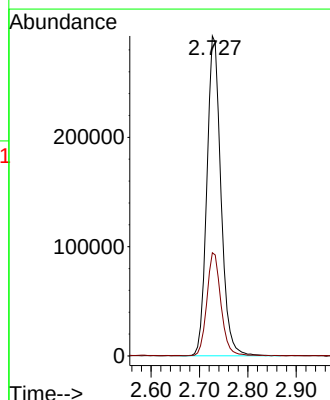
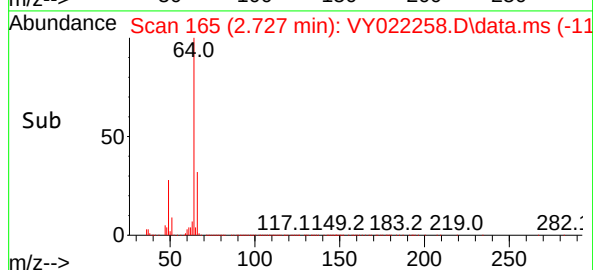
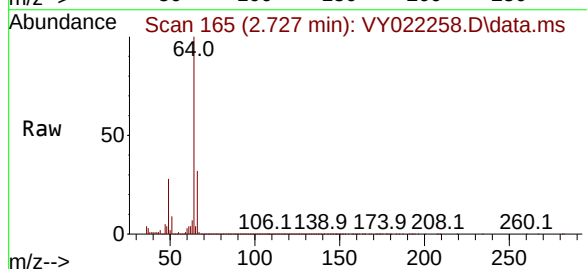
Manual Integrations
APPROVED

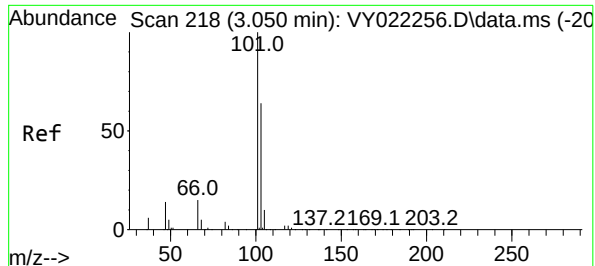
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

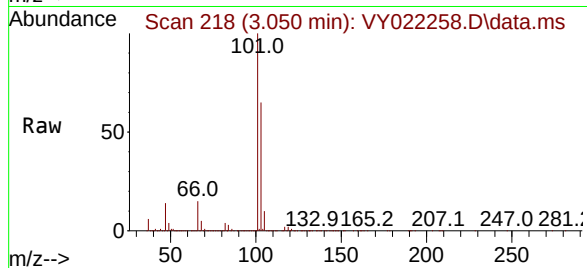
Tgt Ion: 64 Resp: 590870
Ion Ratio Lower Upper
64 100
66 32.2 24.8 37.2





#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

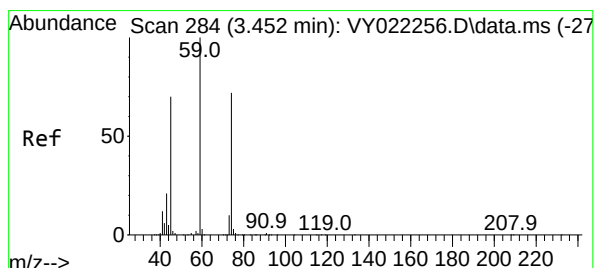
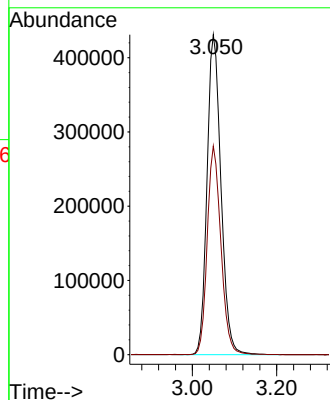
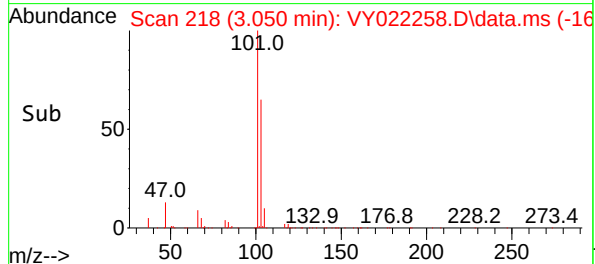
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 98929
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

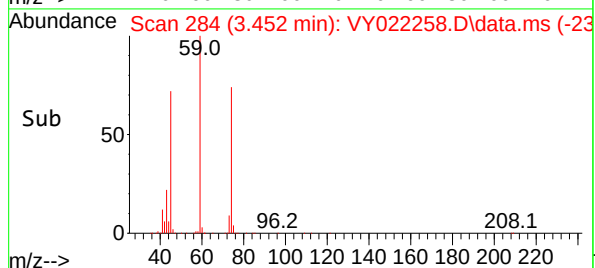
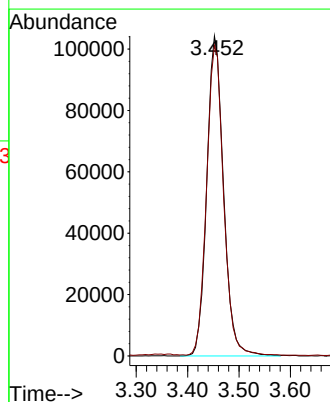
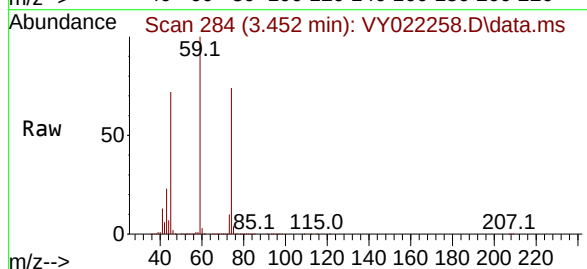
Manual Integrations
APPROVED

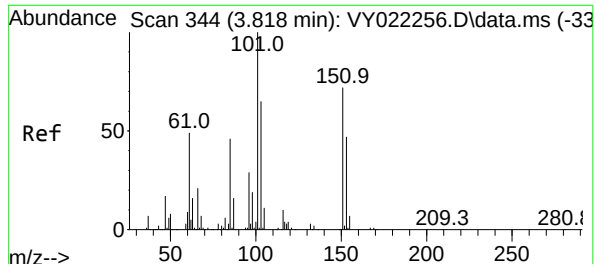
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





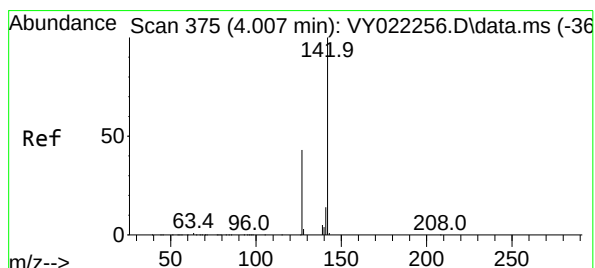
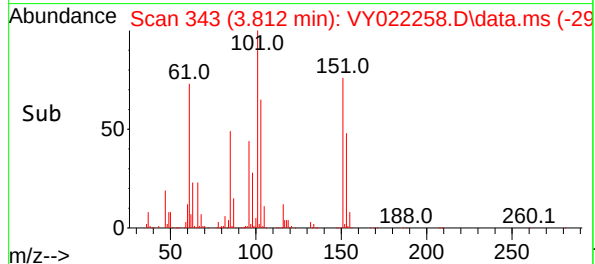
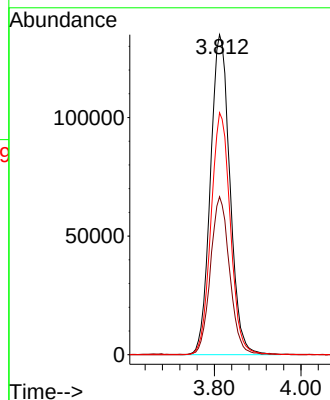
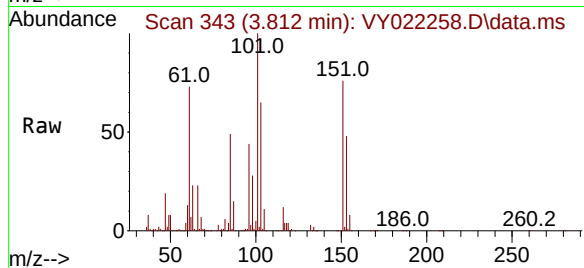
#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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

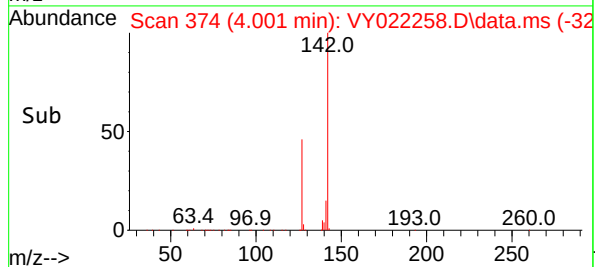
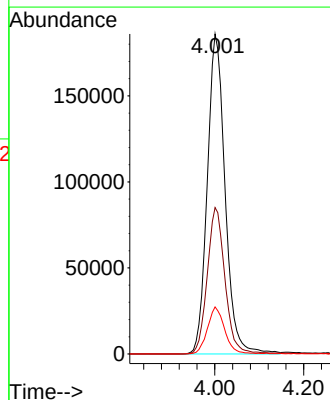
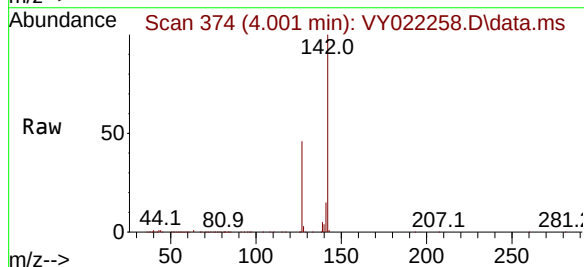
Manual Integrations
APPROVED

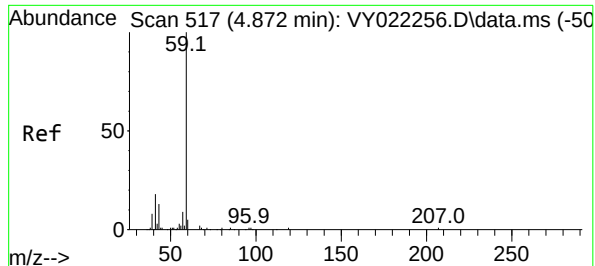
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

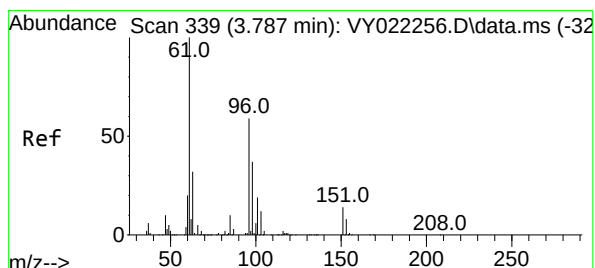
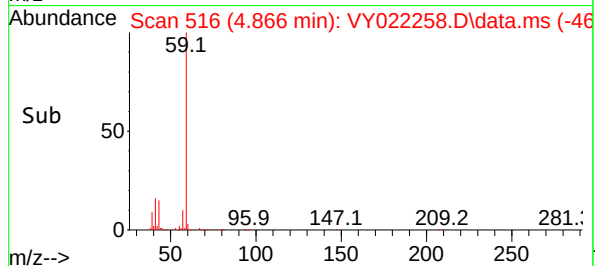
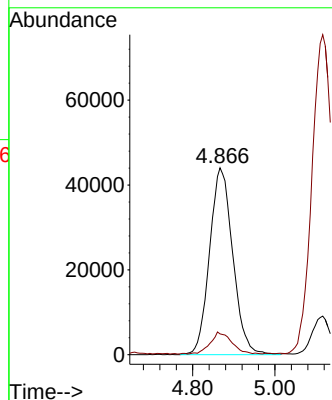
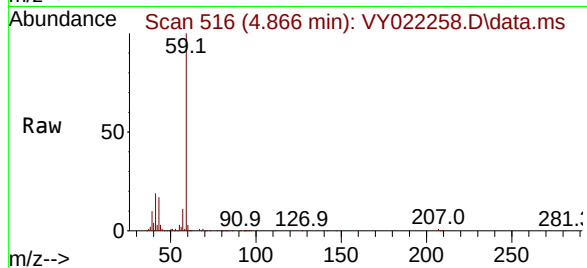
Ion Ratio Lower Upper

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

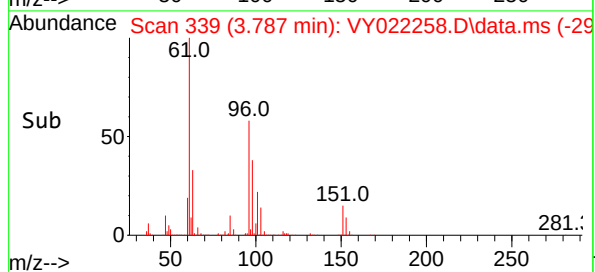
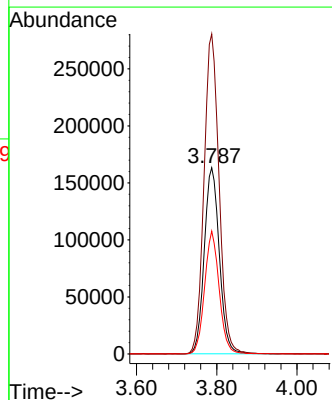
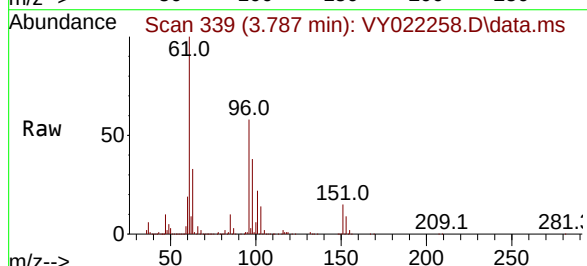
Tgt Ion: 96 Resp: 425285

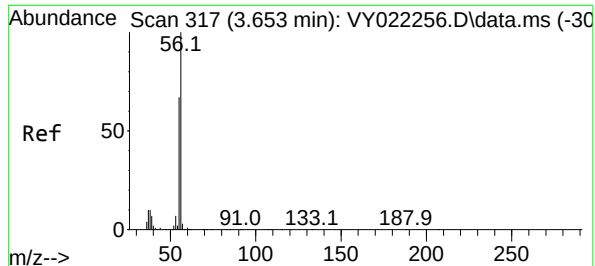
Ion Ratio Lower Upper

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

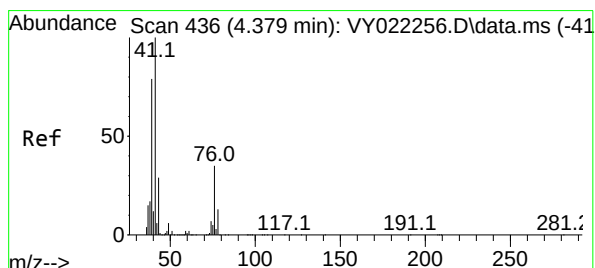
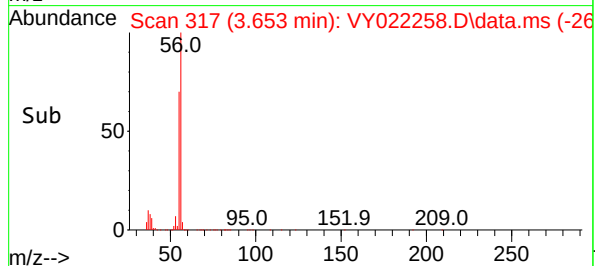
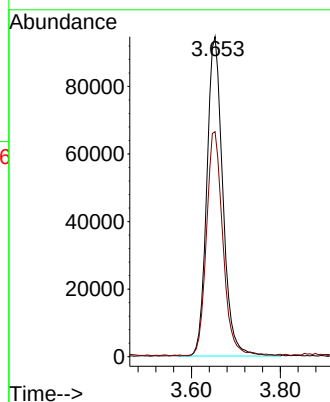
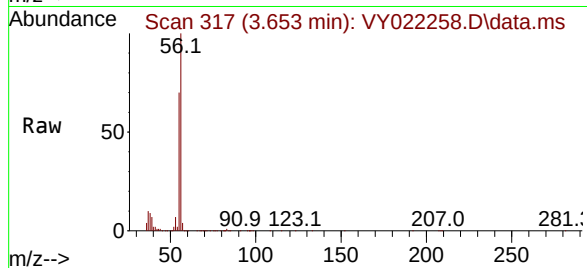
56 100

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

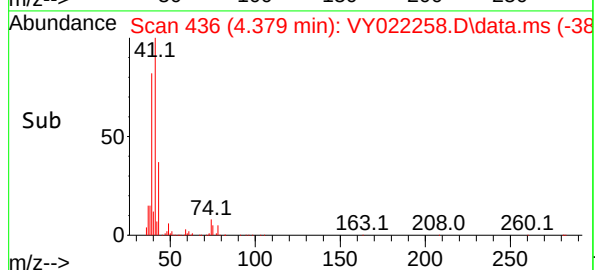
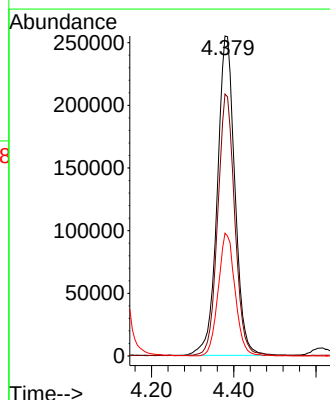
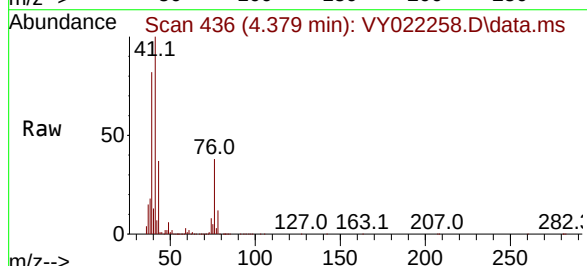
Tgt Ion: 41 Resp: 756728

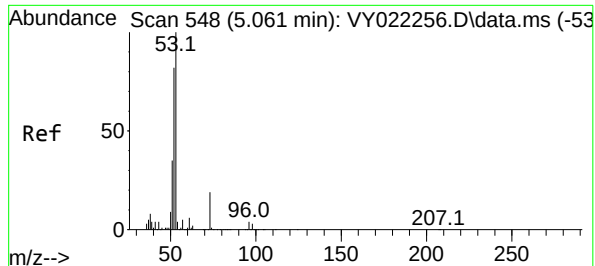
Ion Ratio Lower Upper

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

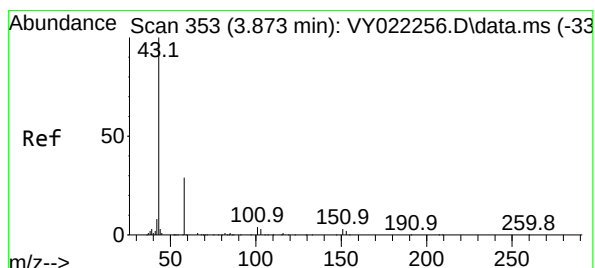
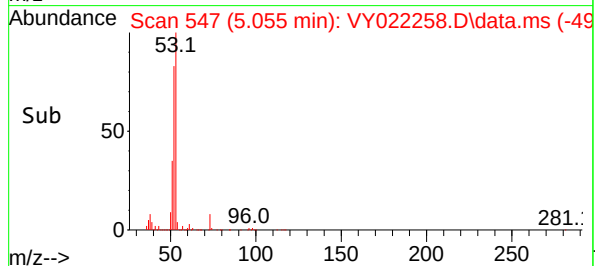
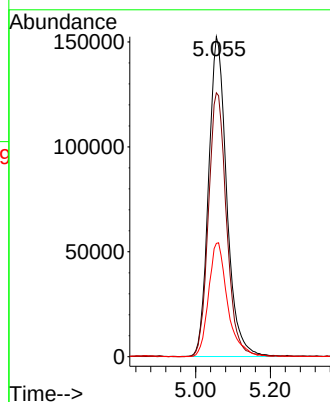
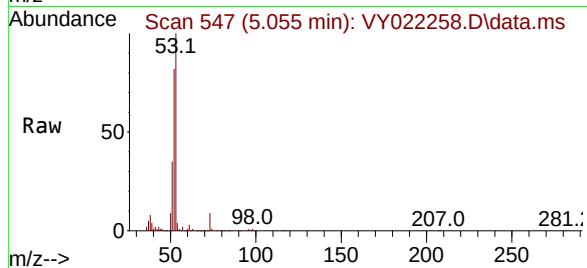
53 100

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

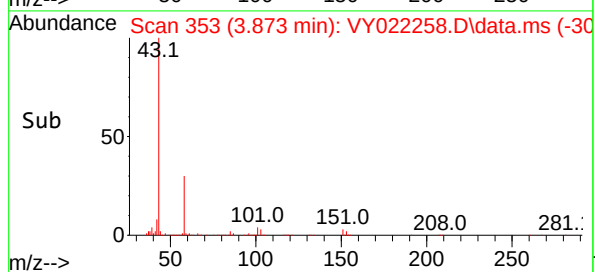
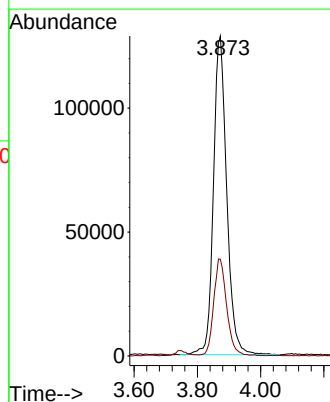
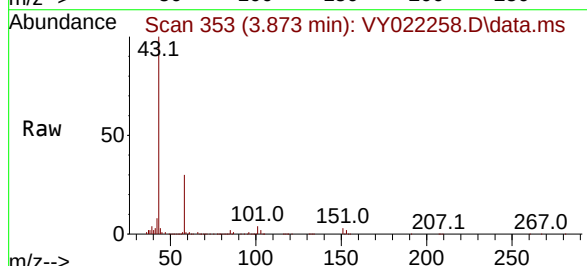
Acq: 15 May 2025 11:47

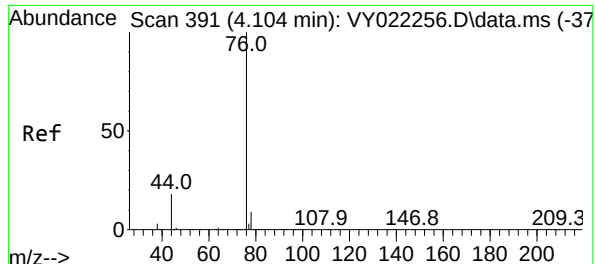
Tgt Ion: 43 Resp: 375443

Ion Ratio Lower Upper

43 100

58 30.2 23.6 35.4





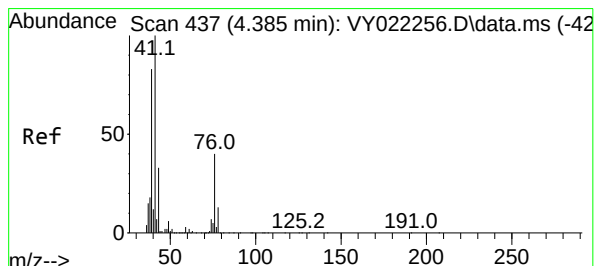
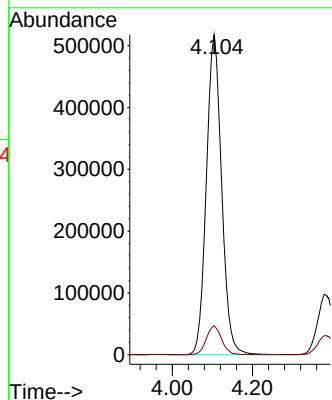
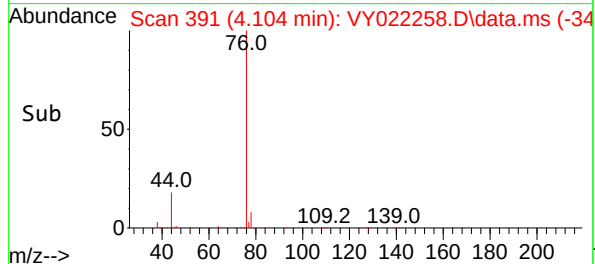
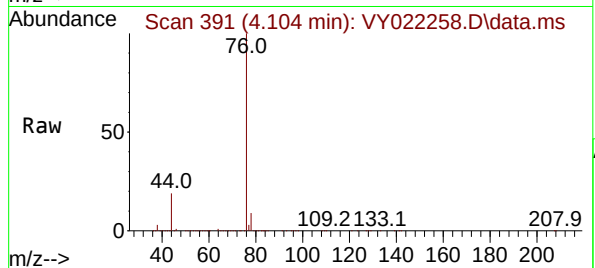
#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
Client Sample Id :
VSTDIC150

Tgt Ion: 76 Resp: 1365378
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

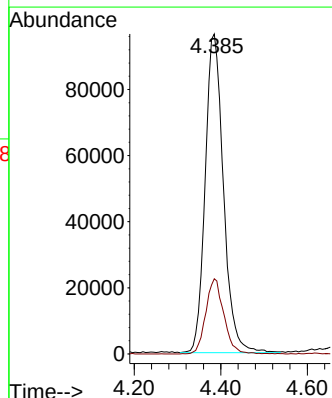
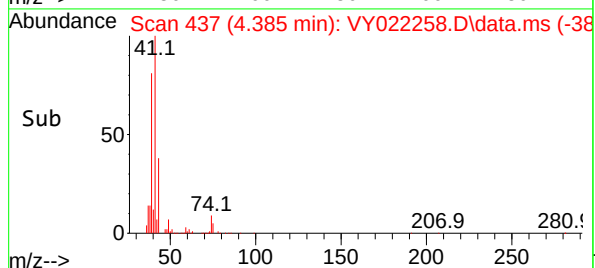
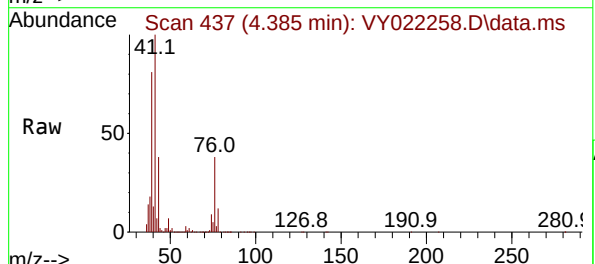
Manual Integrations
APPROVED

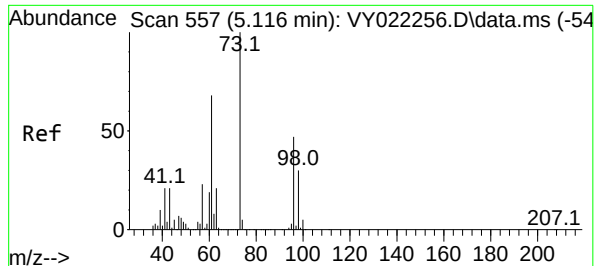
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

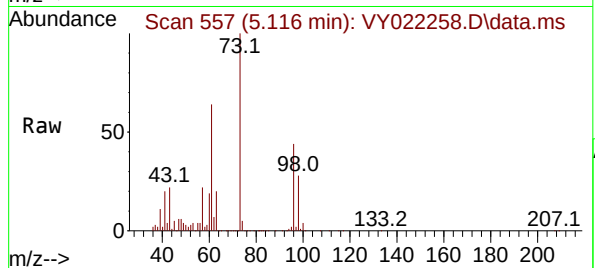
Tgt Ion: 43 Resp: 282084
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.4





#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

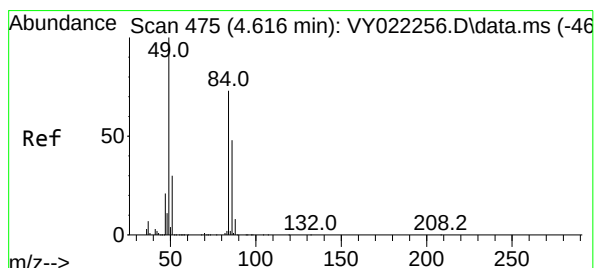
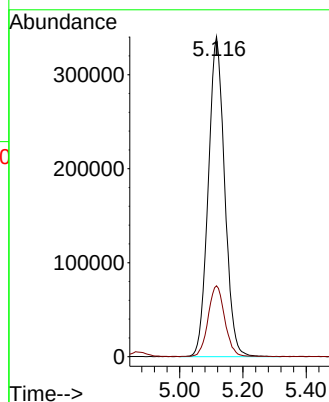
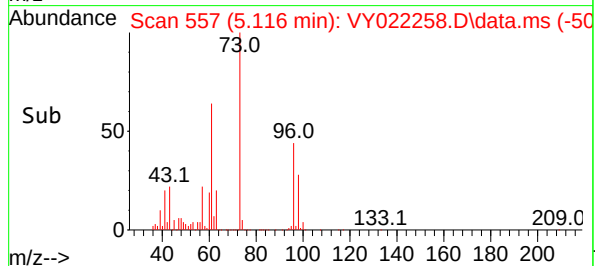
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 73 Resp: 1225258
Ion Ratio Lower Upper
73 100
57 22.1 18.6 28.0

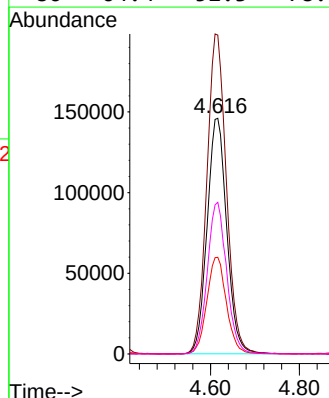
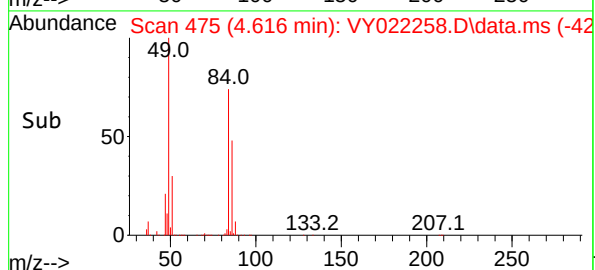
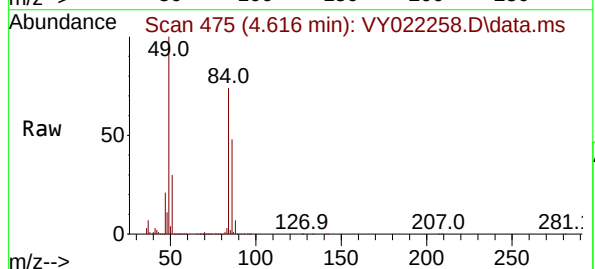
Manual Integrations
APPROVED

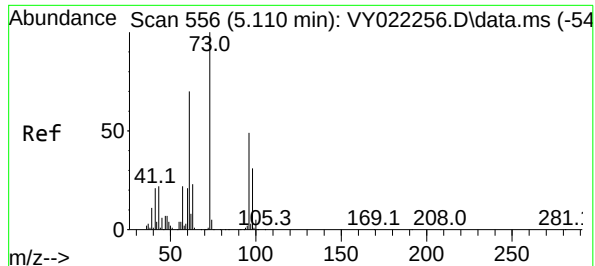
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

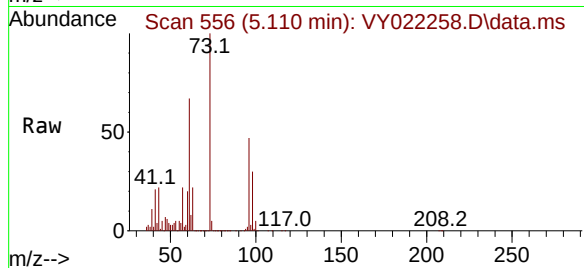
Tgt Ion: 84 Resp: 448817
Ion Ratio Lower Upper
84 100
49 135.3 109.6 164.4
51 40.9 32.4 48.6
86 64.4 52.3 78.5





#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

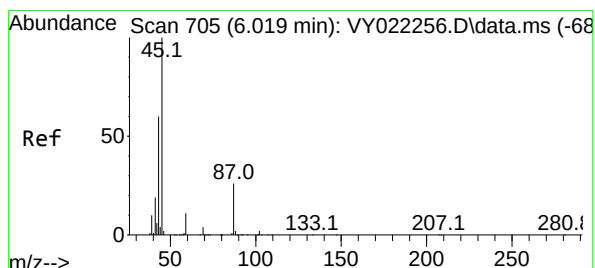
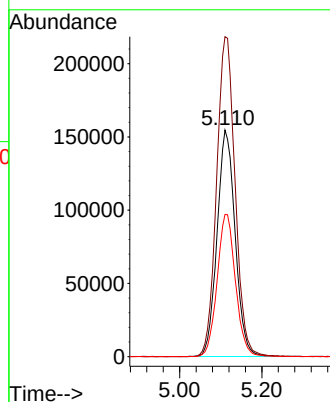
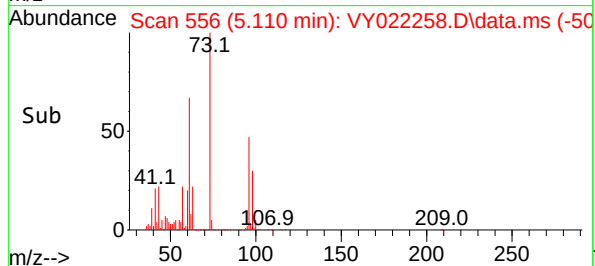
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

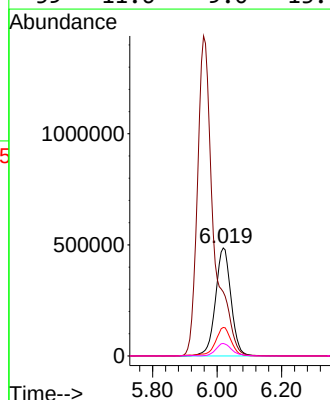
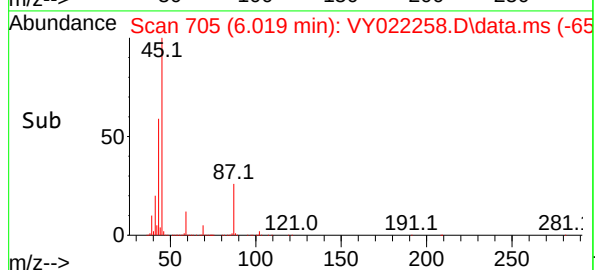
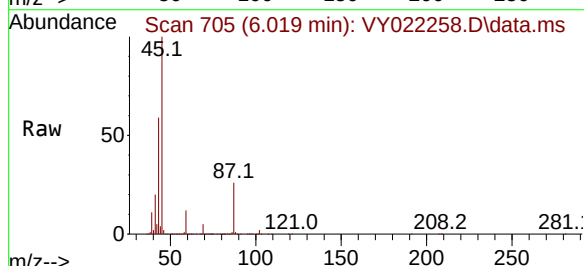
Manual Integrations
APPROVED

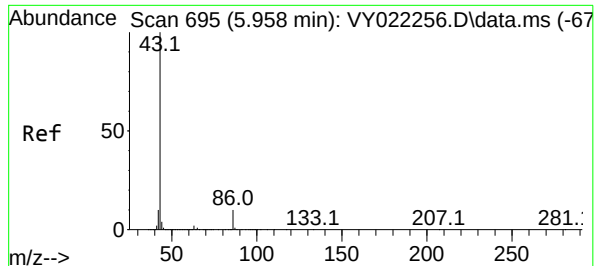
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

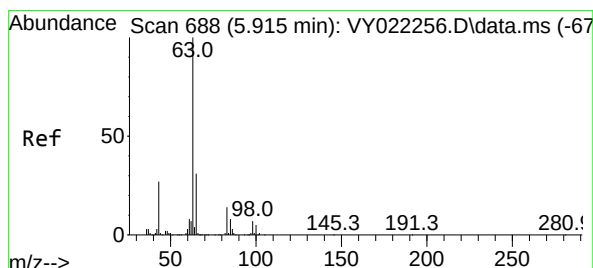
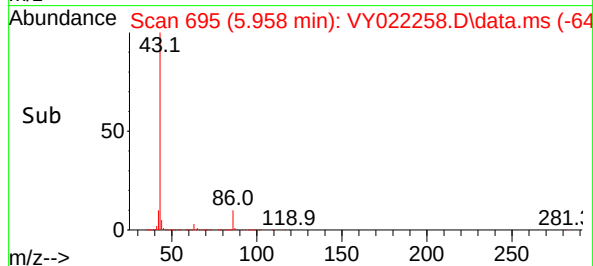
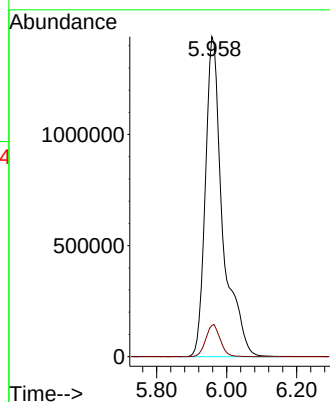
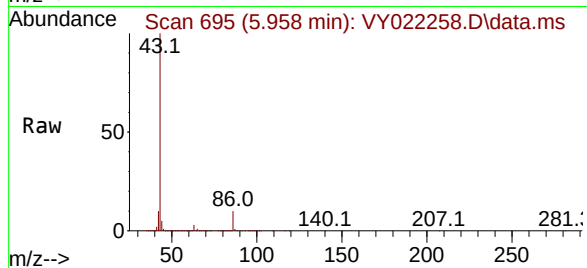
11.8

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

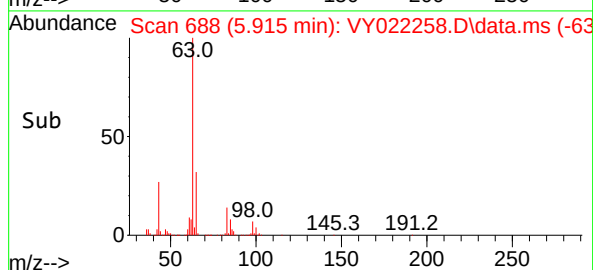
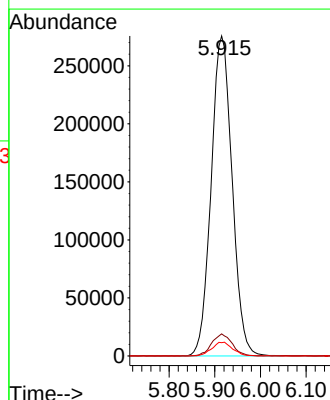
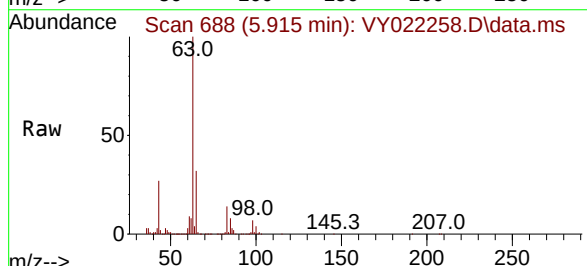
3.5

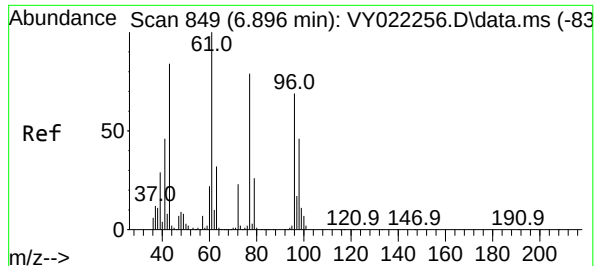
10.5

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

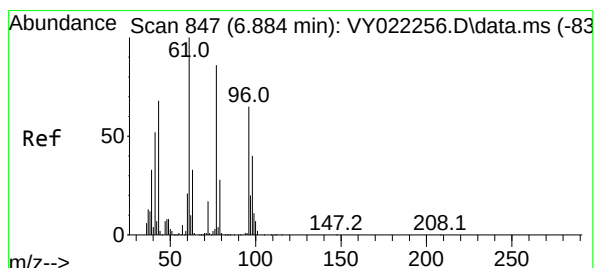
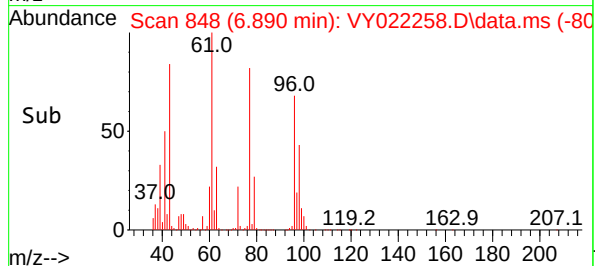
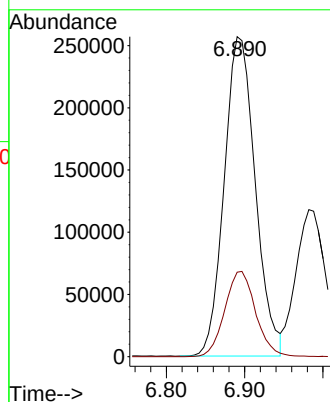
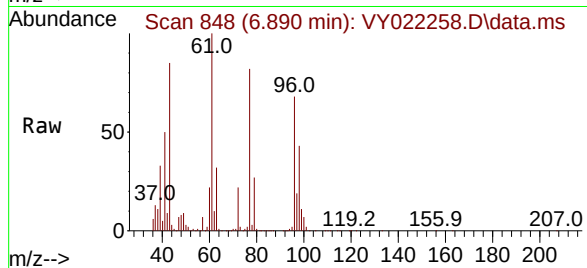
Ion Ratio Lower Upper

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

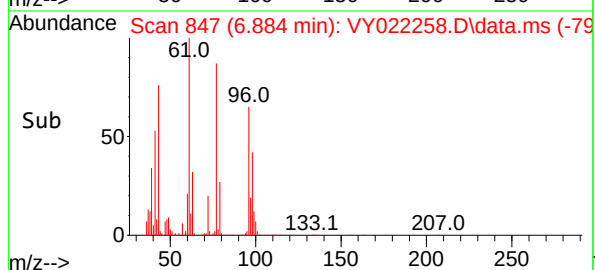
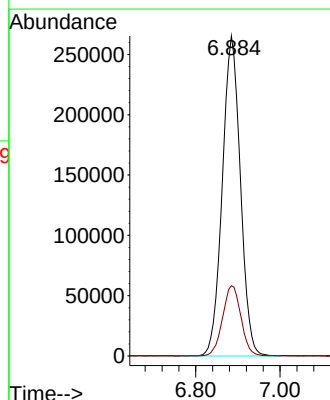
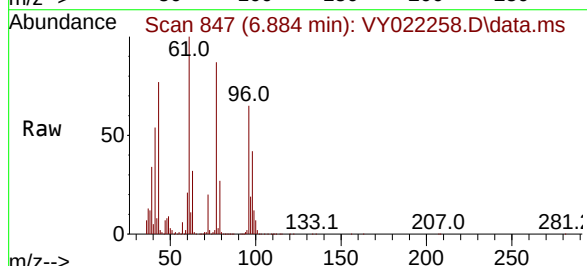
Acq: 15 May 2025 11:47

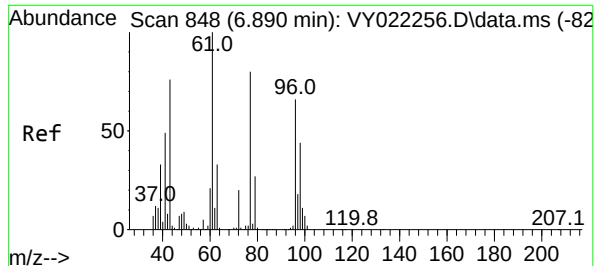
Tgt Ion: 77 Resp: 787195

Ion Ratio Lower Upper

77 100

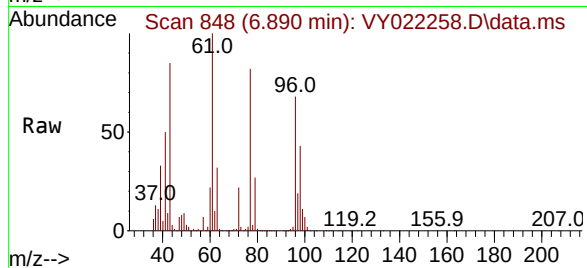
97 22.3 11.2 33.5





#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

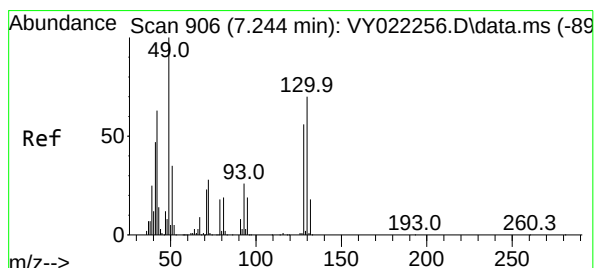
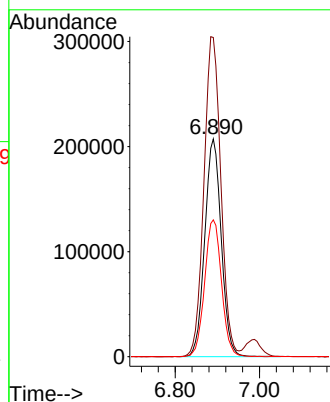
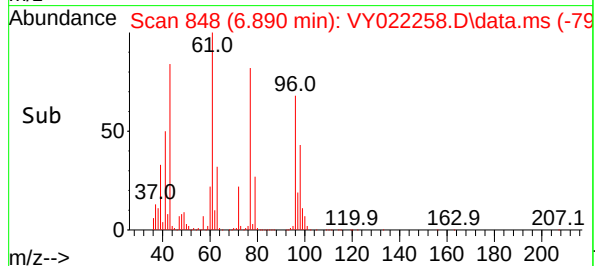
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

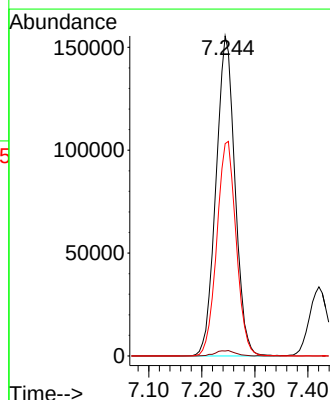
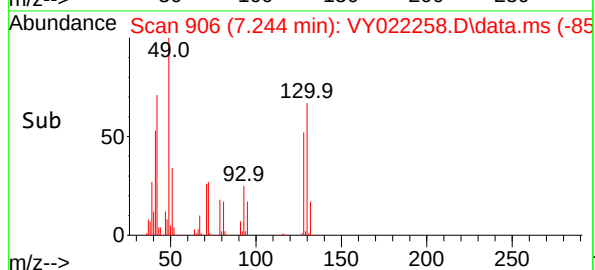
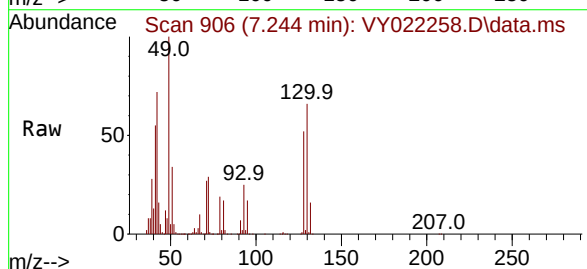
Manual Integrations
APPROVED

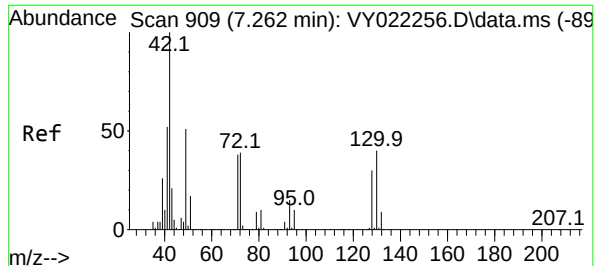
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

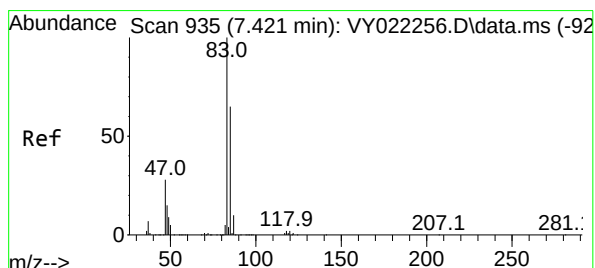
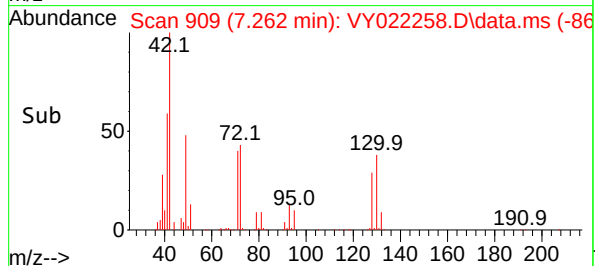
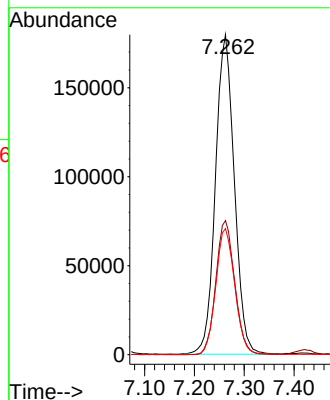
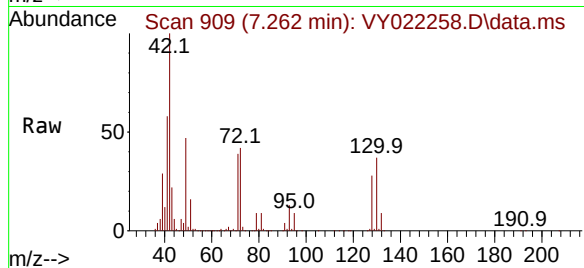
72 42.0 33.8 50.6

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

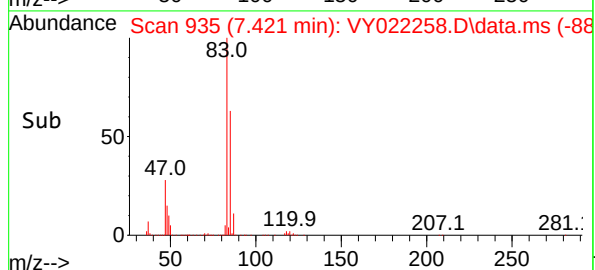
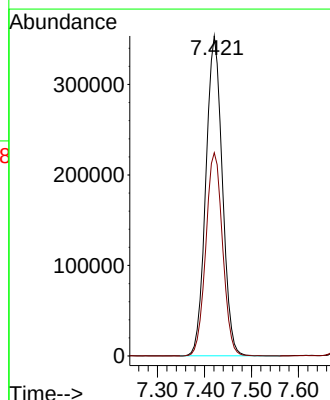
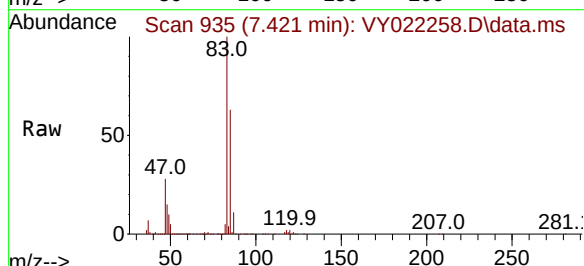
Acq: 15 May 2025 11:47

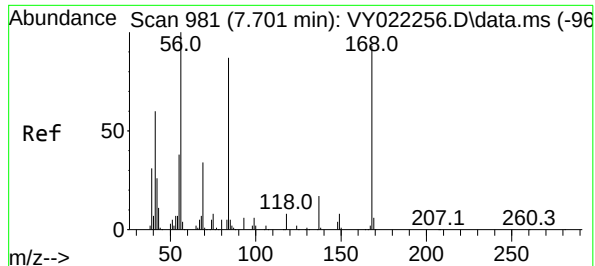
Tgt Ion: 83 Resp: 859317

Ion Ratio Lower Upper

83 100

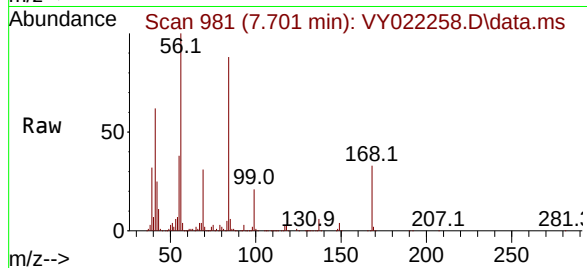
85 63.5 51.8 77.8





#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

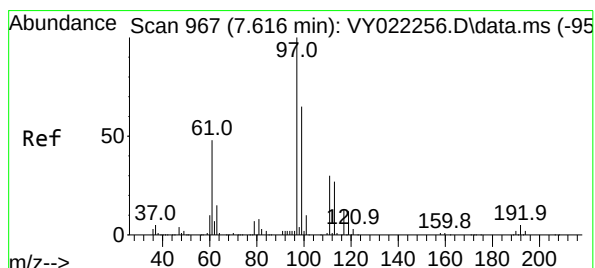
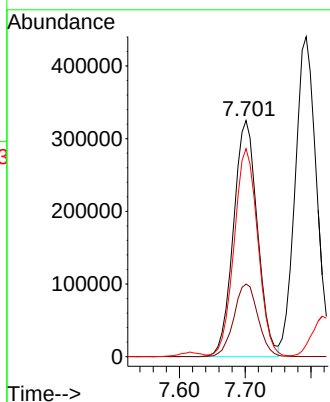
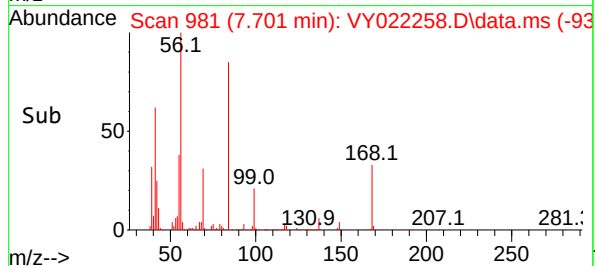
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

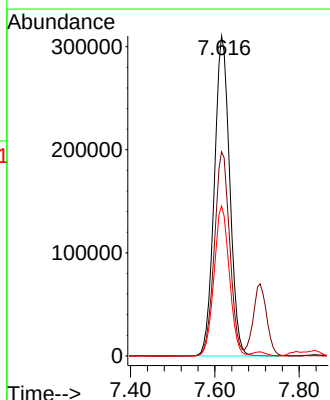
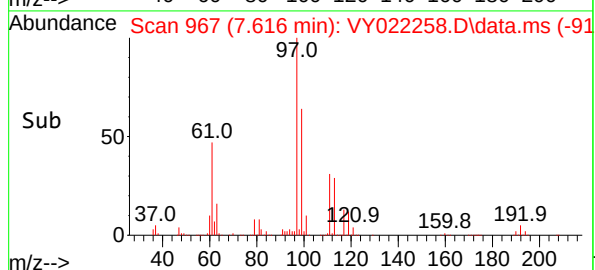
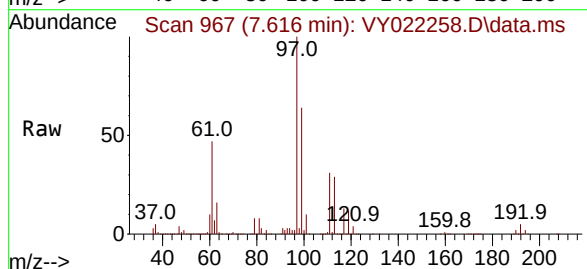
Manual Integrations
APPROVED

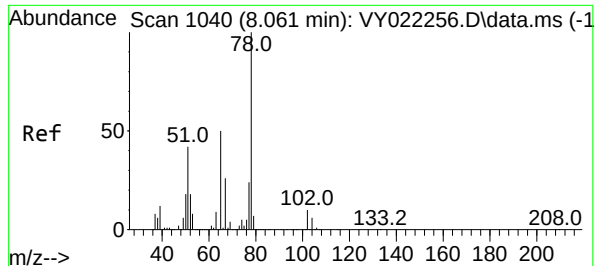
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

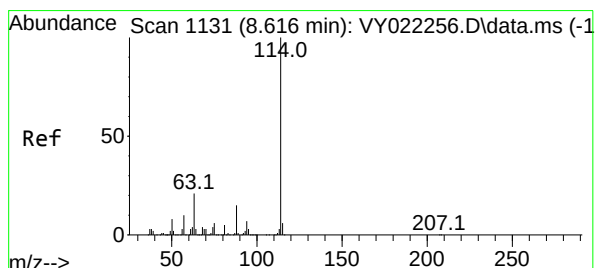
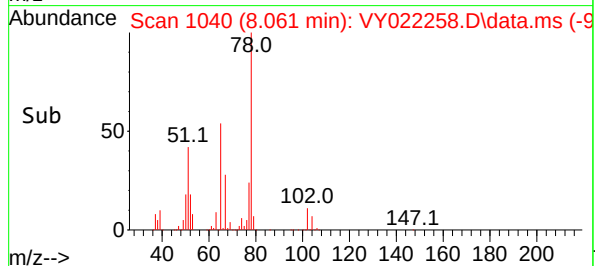
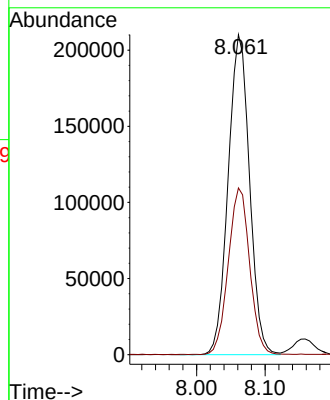
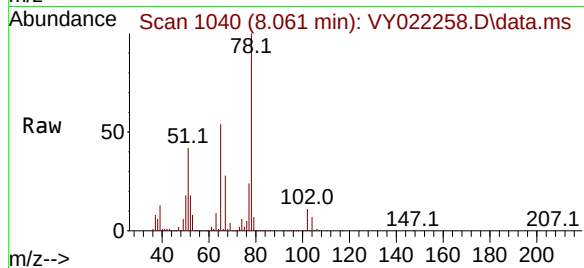
65 100

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

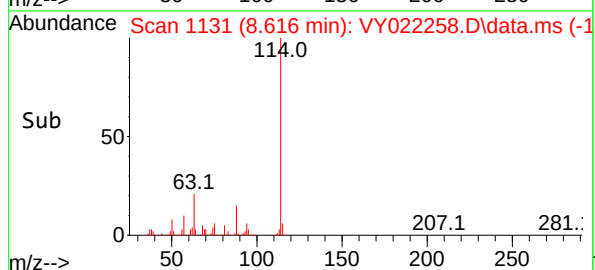
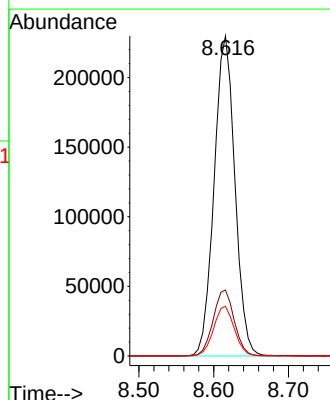
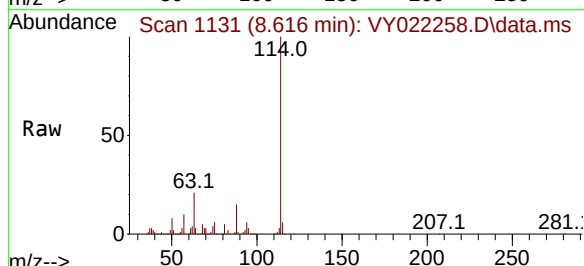
Tgt Ion:114 Resp: 442917

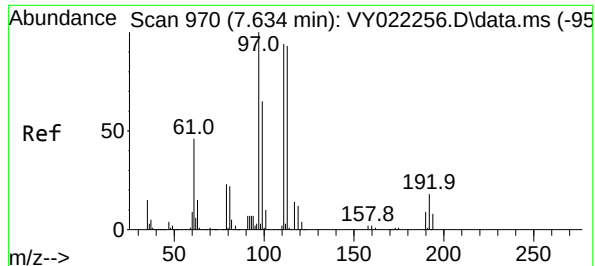
Ion Ratio Lower Upper

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

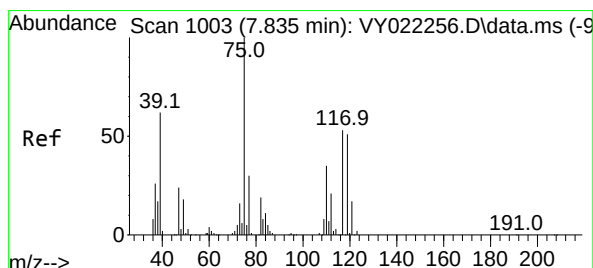
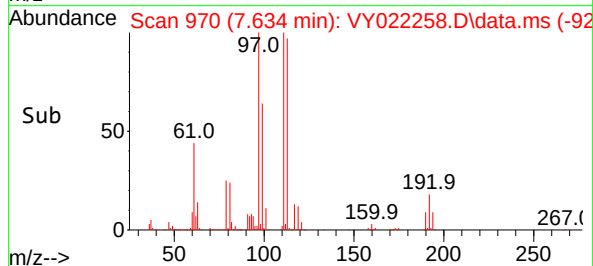
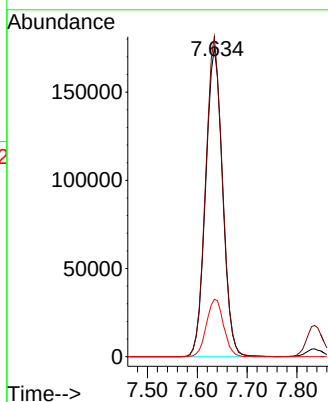
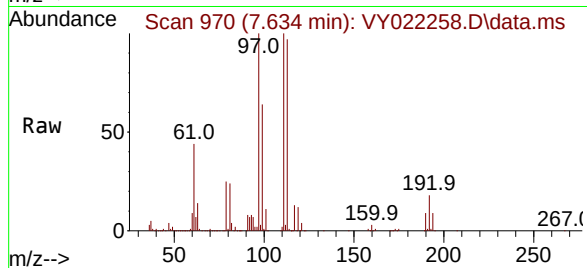
113 100

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

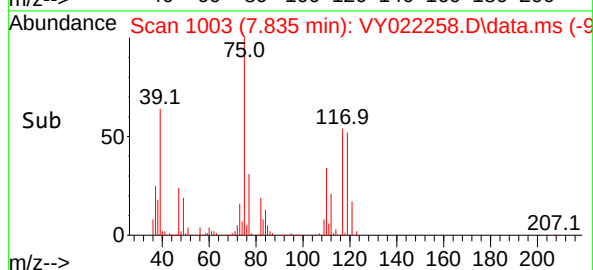
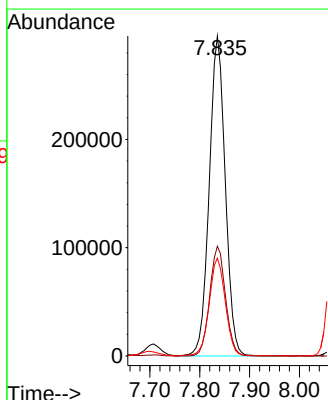
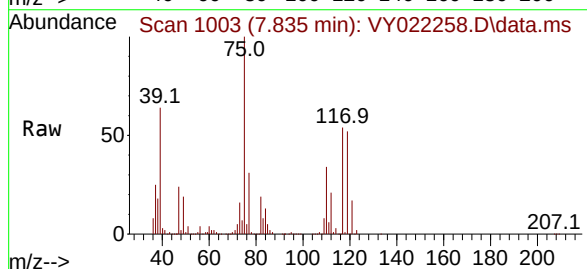
Tgt Ion: 75 Resp: 658871

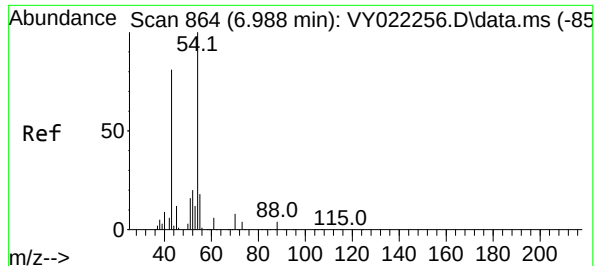
Ion Ratio Lower Upper

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

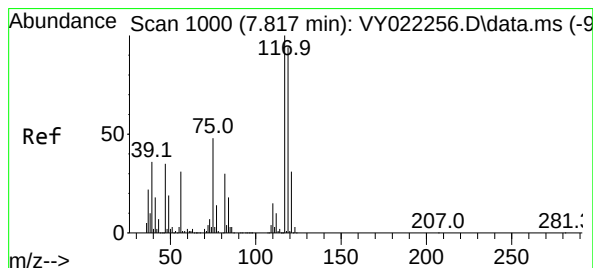
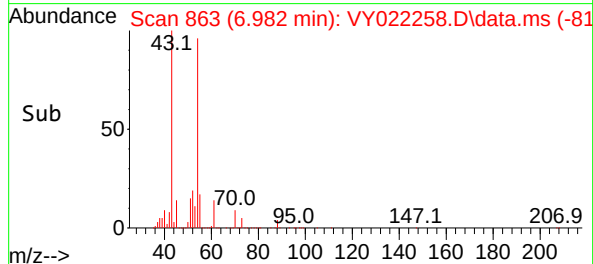
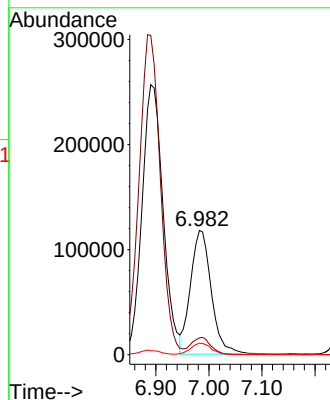
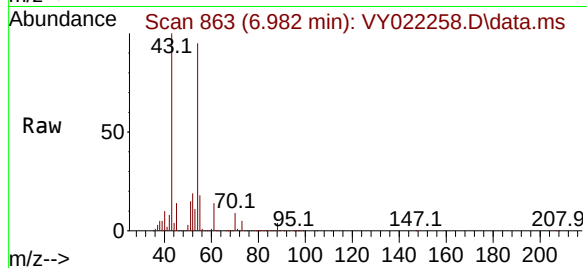
61 13.3 10.2 15.2

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

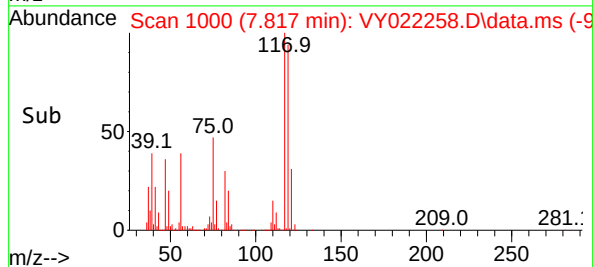
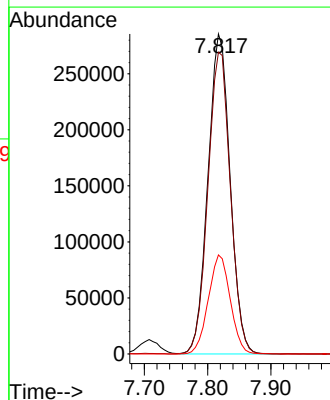
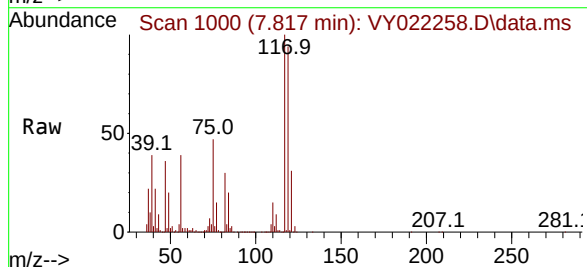
Tgt Ion:117 Resp: 696139

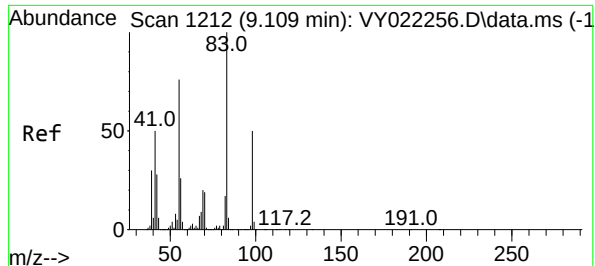
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 83 Resp: 886329

Ion Ratio Lower Upper

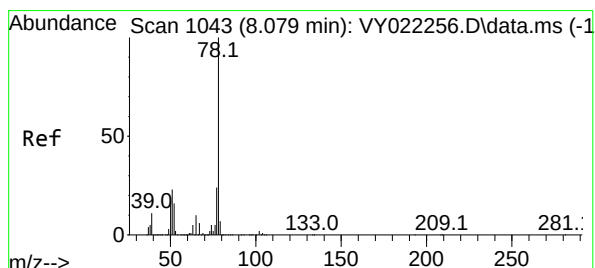
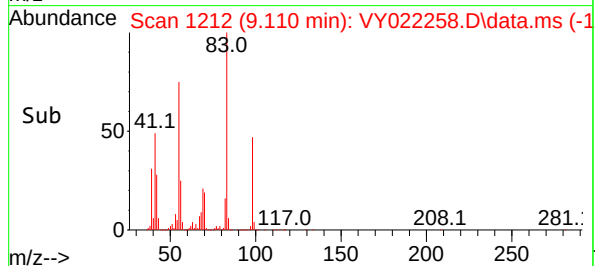
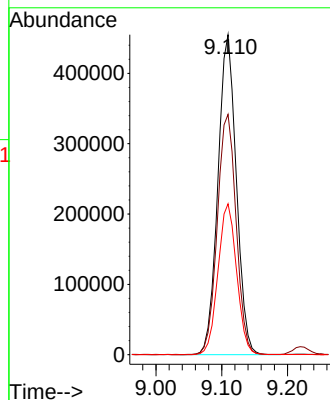
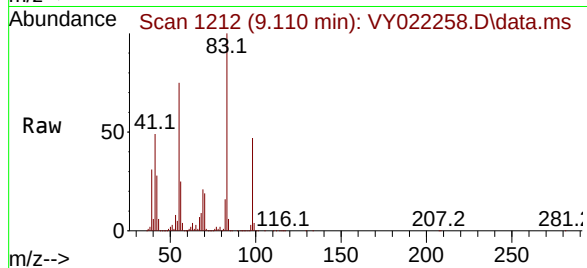
83 100

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

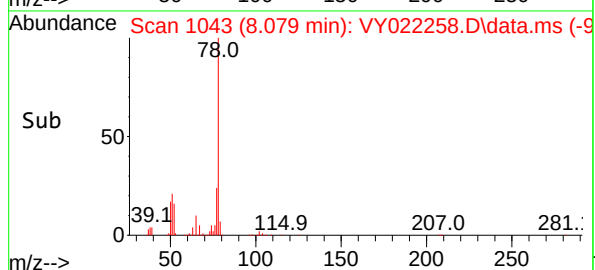
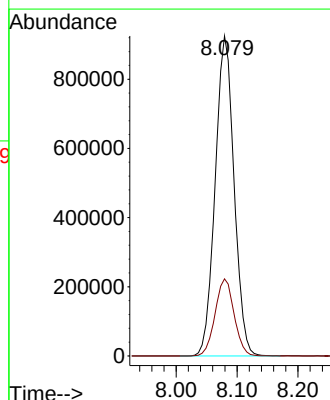
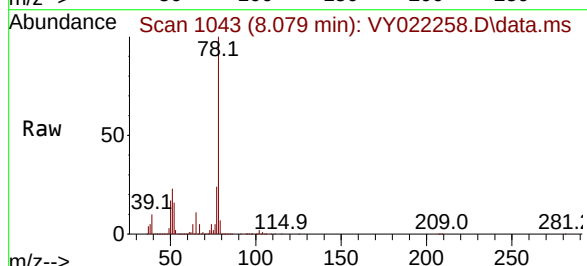
Acq: 15 May 2025 11:47

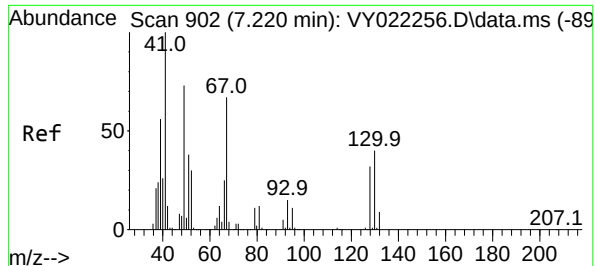
Tgt Ion: 78 Resp: 1987535

Ion Ratio Lower Upper

78 100

77 24.1 18.9 28.3





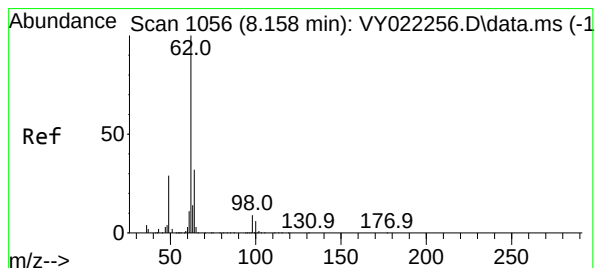
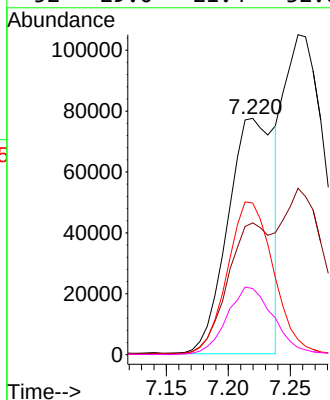
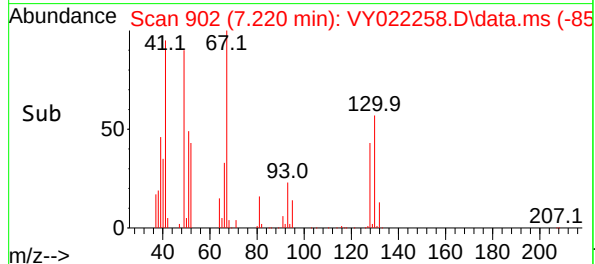
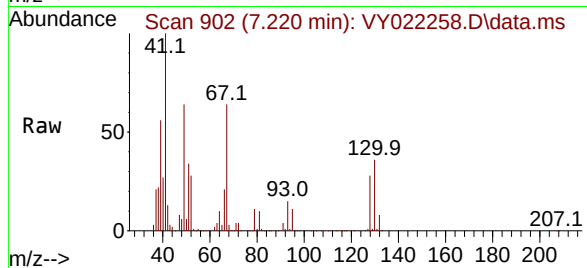
#41
Methacrylonitrile
Concen: 132.161 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

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

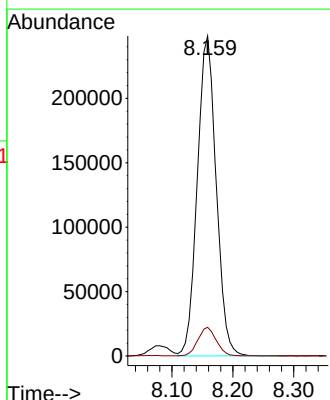
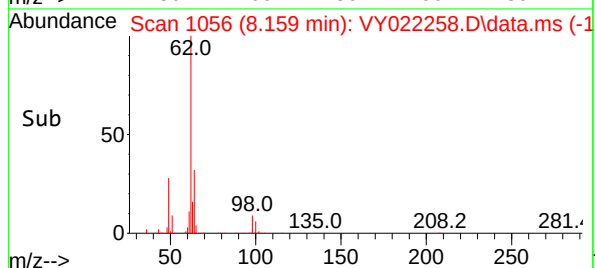
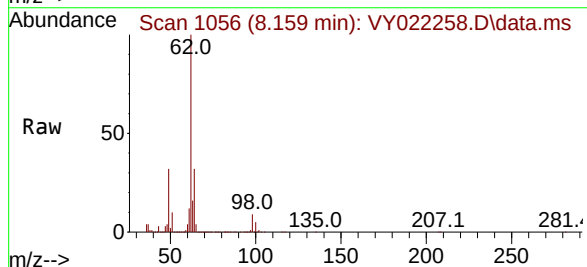
Manual Integrations
APPROVED

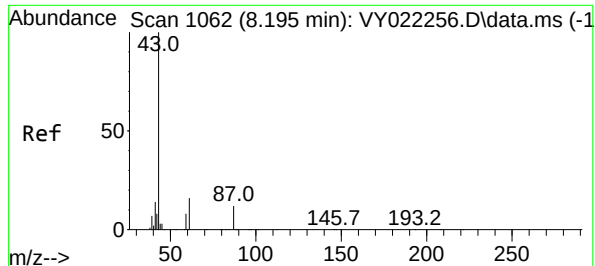
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

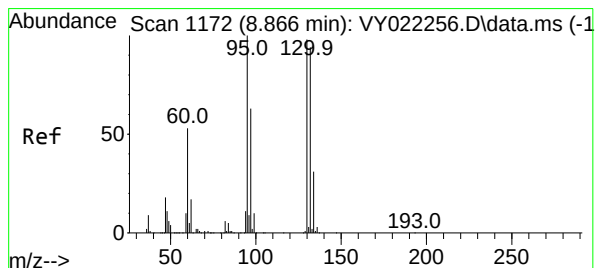
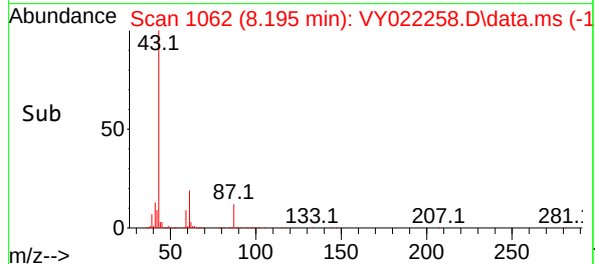
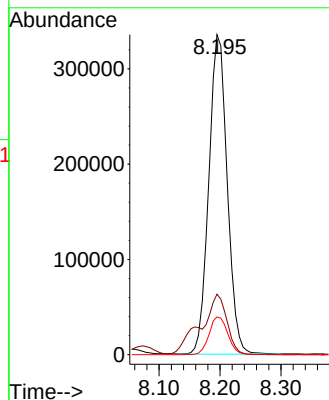
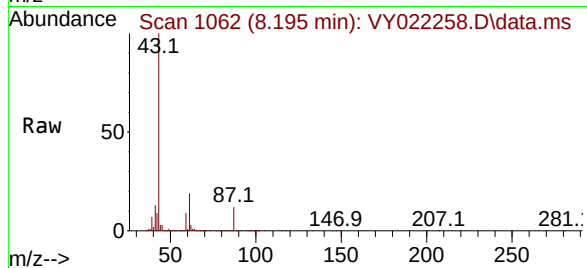
87 12.0 9.7 14.5

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

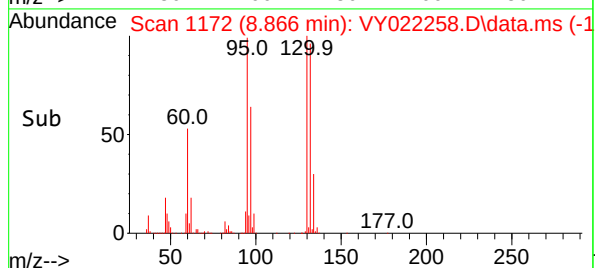
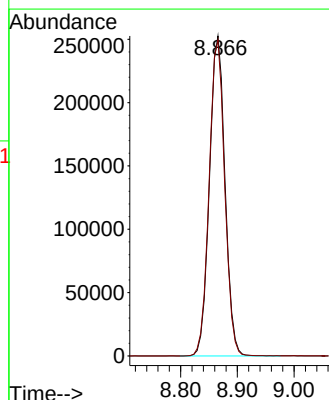
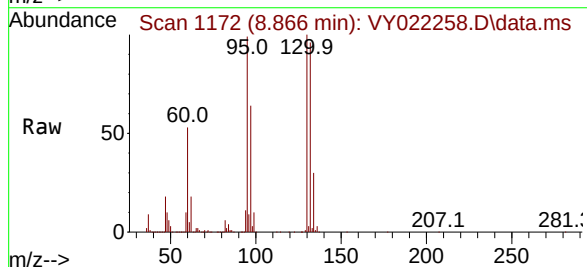
Acq: 15 May 2025 11:47

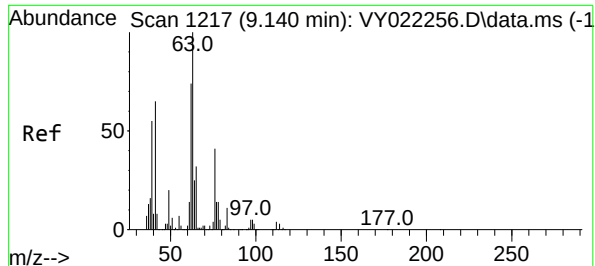
Tgt Ion:130 Resp: 481990

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 :

VSTDICC150

Tgt Ion: 63 Resp: 47221

Ion Ratio Lower Upper

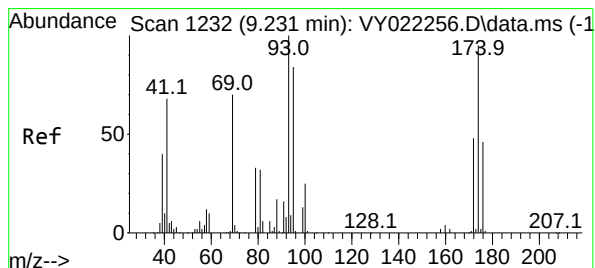
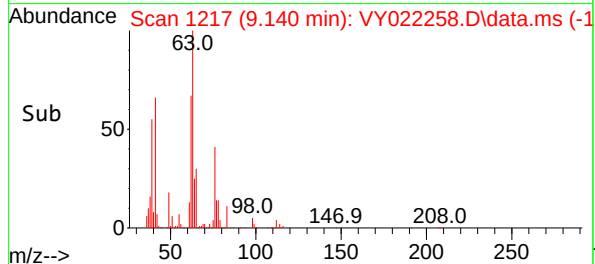
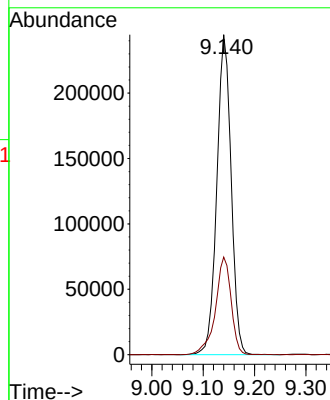
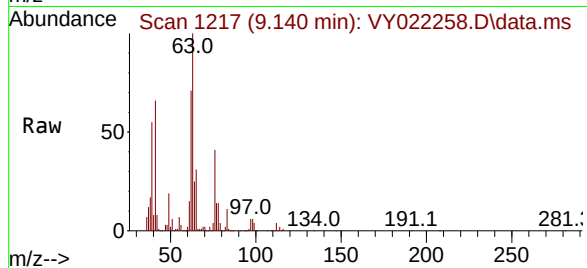
63 100

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

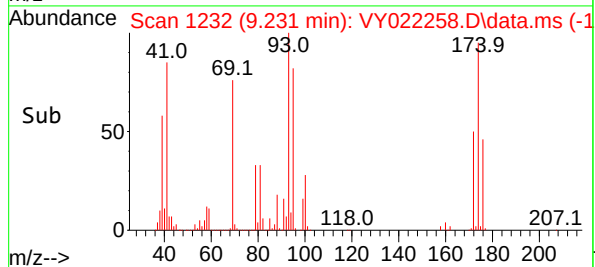
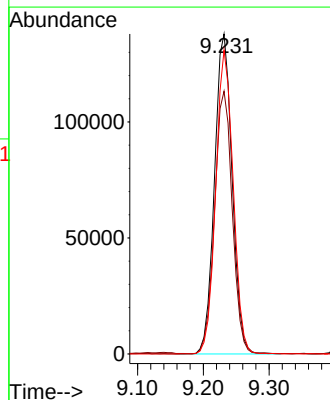
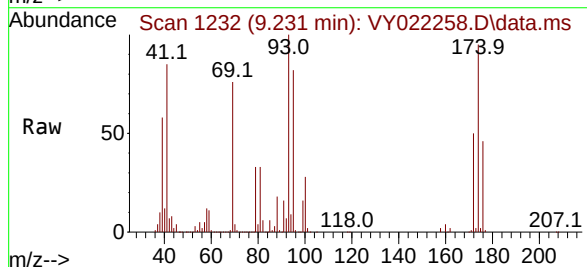
Tgt Ion: 93 Resp: 258087

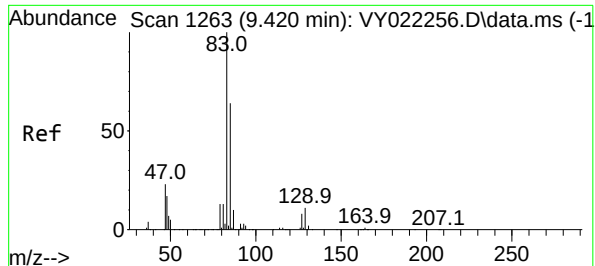
Ion Ratio Lower Upper

93 100

95 82.1 65.2 97.8

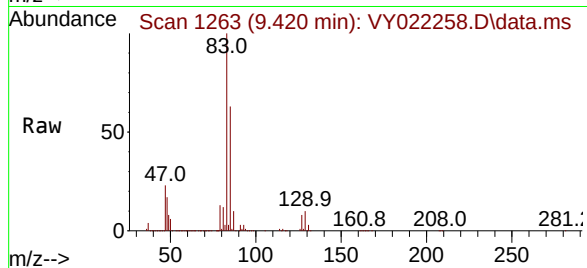
174 93.5 74.3 111.5





#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

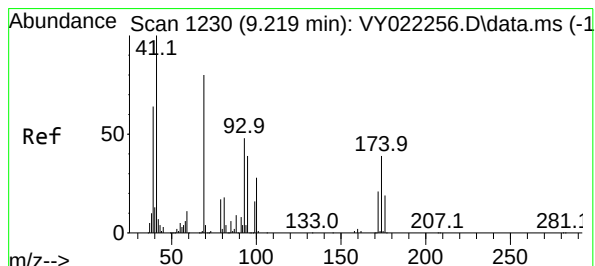
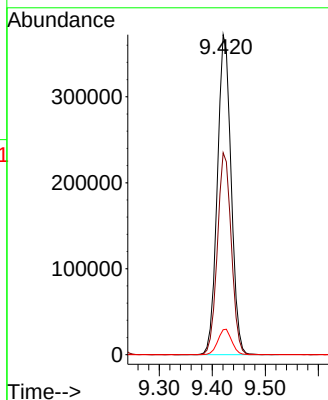
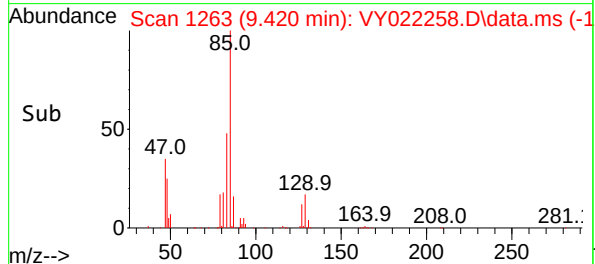
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

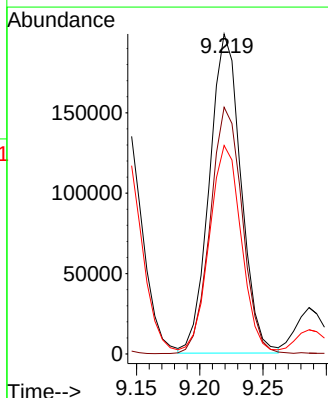
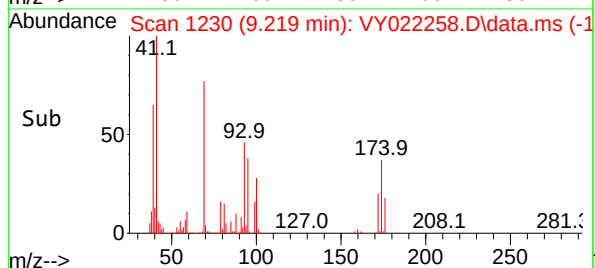
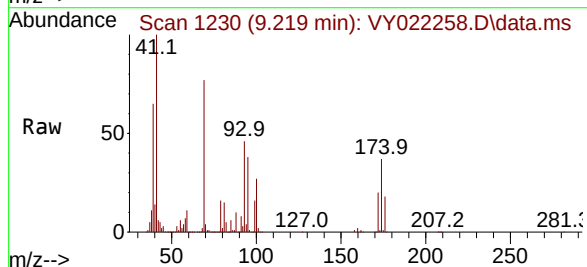
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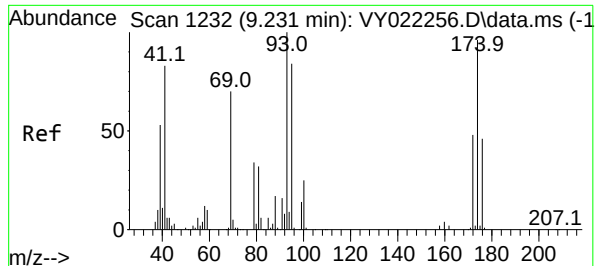
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

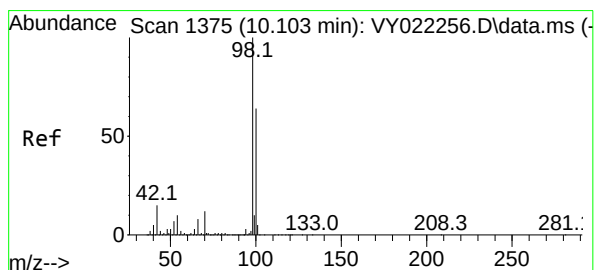
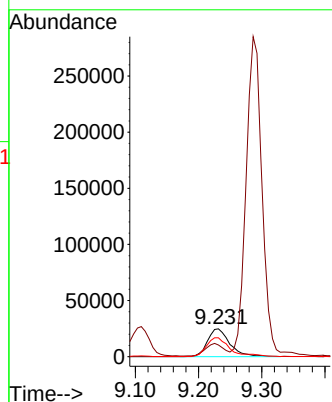
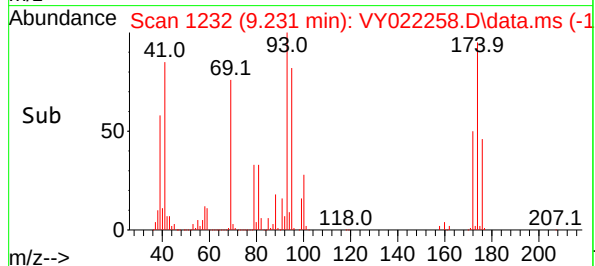
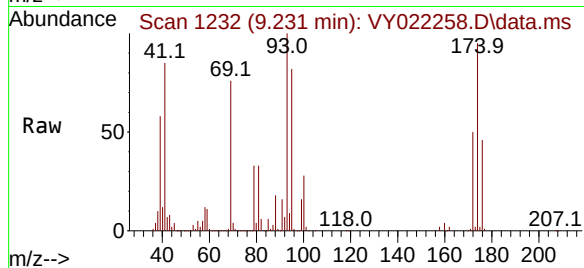
58 71.3 61.4 92.2

Manual Integrations

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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

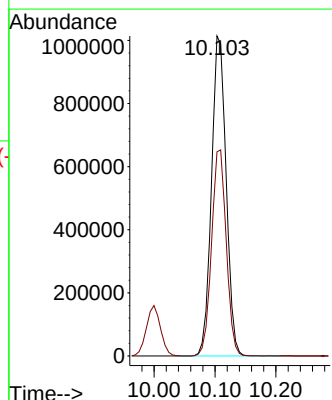
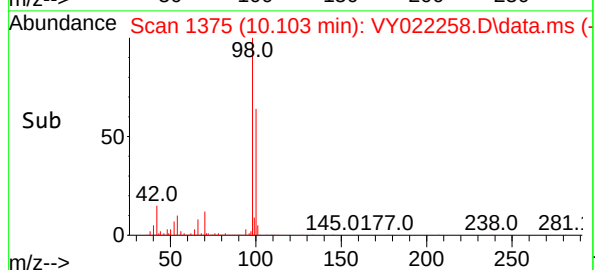
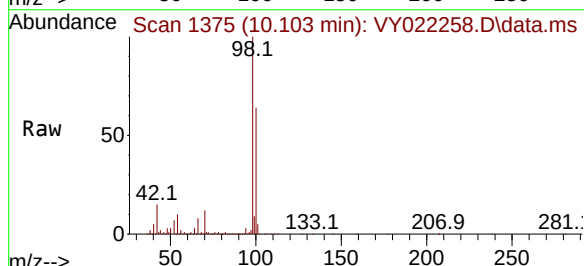
Acq: 15 May 2025 11:47

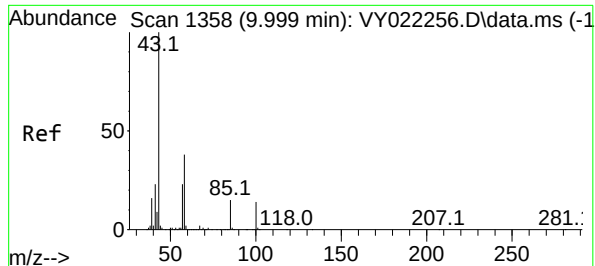
Tgt Ion: 98 Resp: 1689714

Ion Ratio Lower Upper

98 100

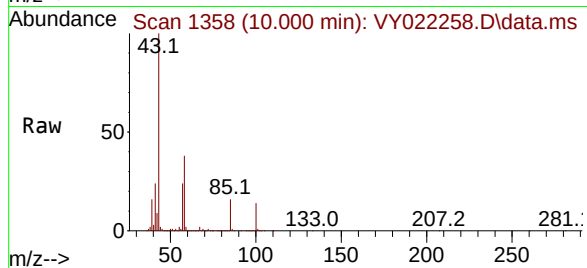
100 64.7 51.8 77.8





#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

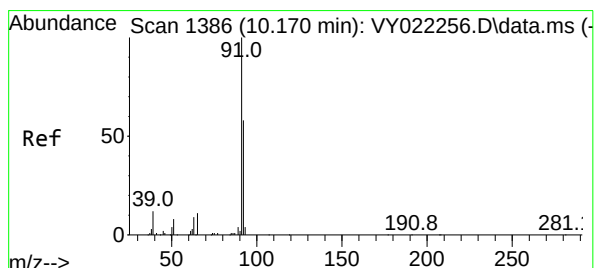
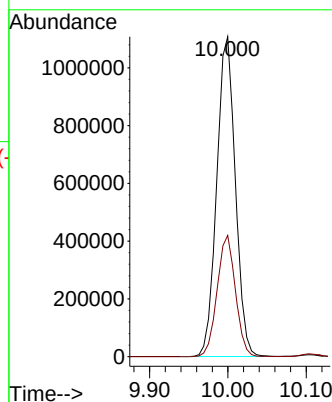
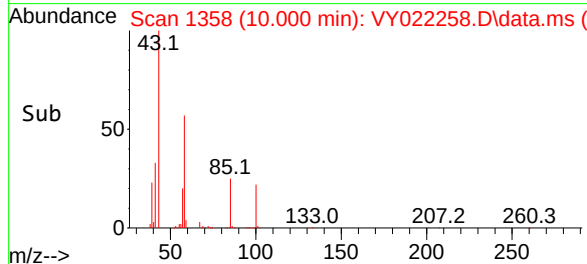
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1829015
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.2

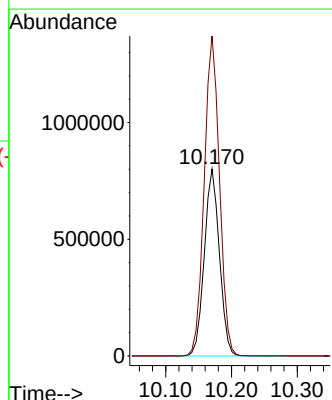
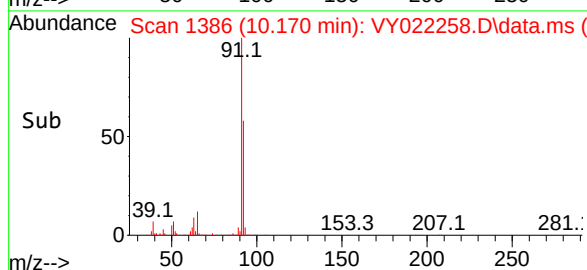
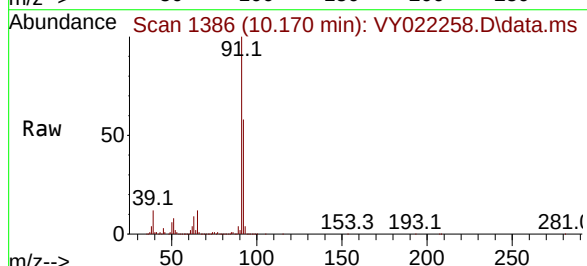
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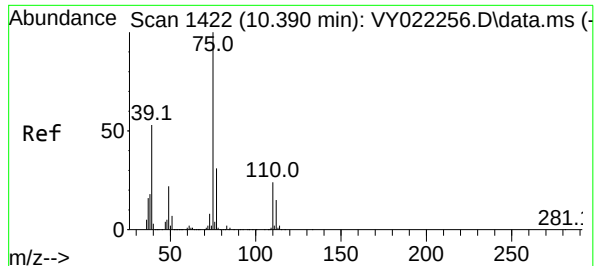
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





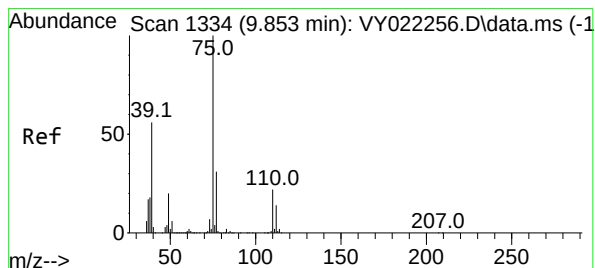
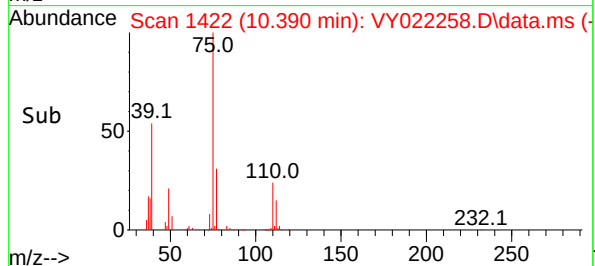
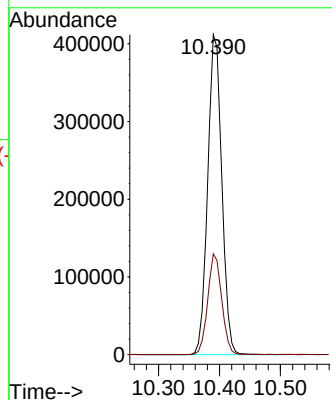
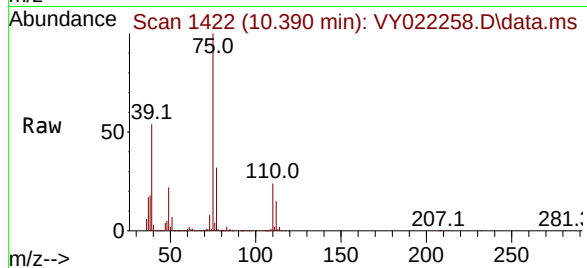
#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 66351
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

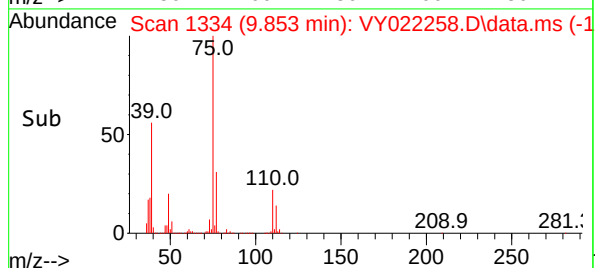
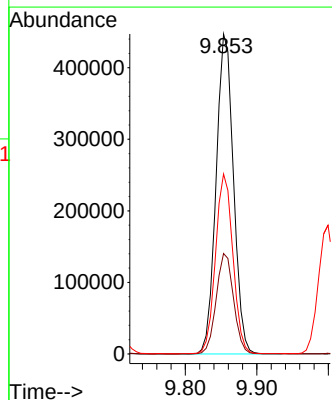
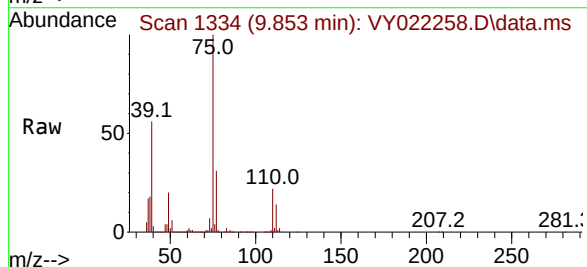
Manual Integrations
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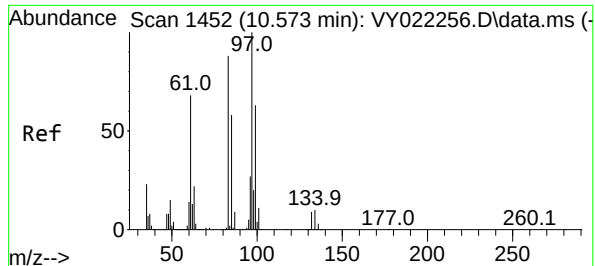
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

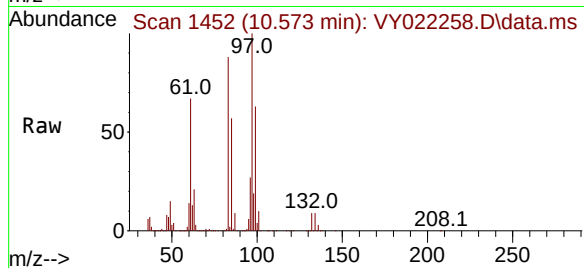
Tgt Ion: 75 Resp: 754493
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 56.2 44.5 66.7





#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

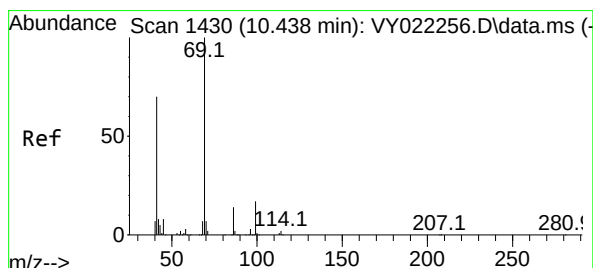
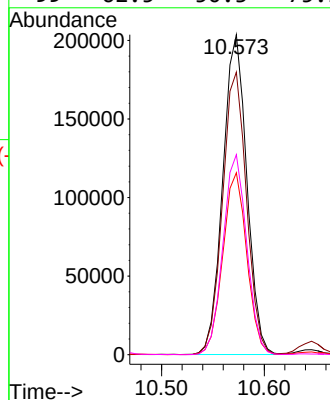
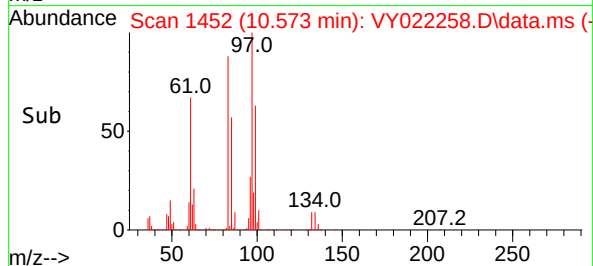
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

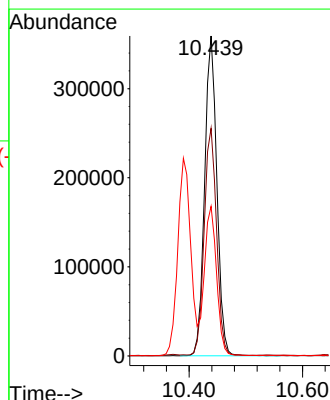
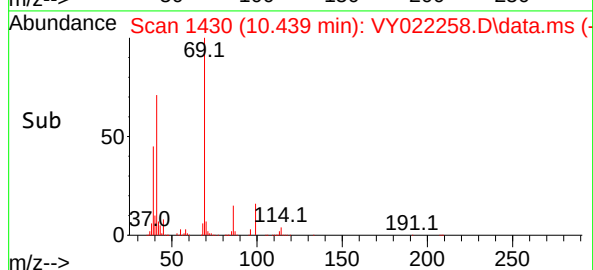
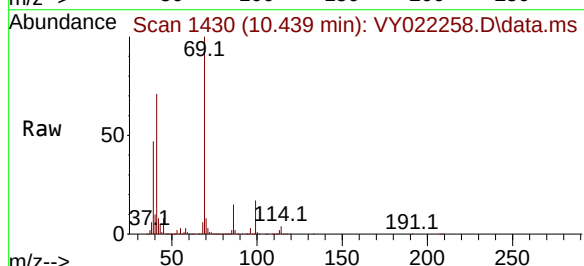
Manual Integrations
APPROVED

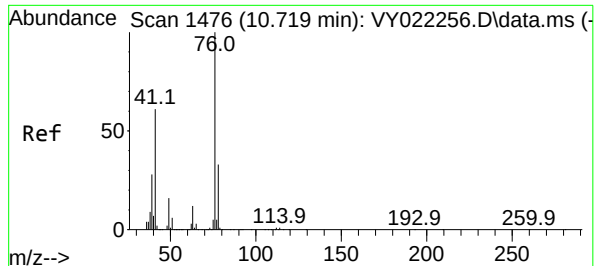
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

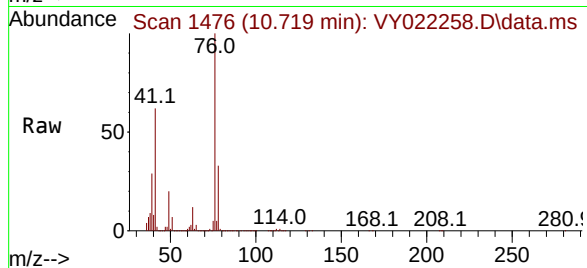
Tgt Ion: 69 Resp: 535897
Ion Ratio Lower Upper
69 100
41 72.0 56.5 84.7
39 46.8 37.1 55.7





#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

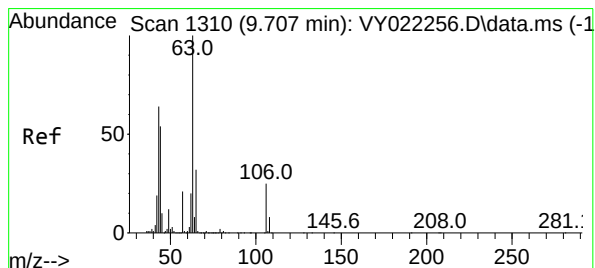
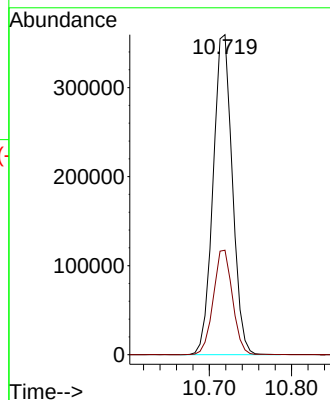
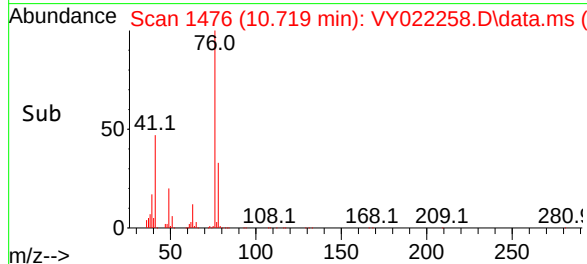
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 58425
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.8

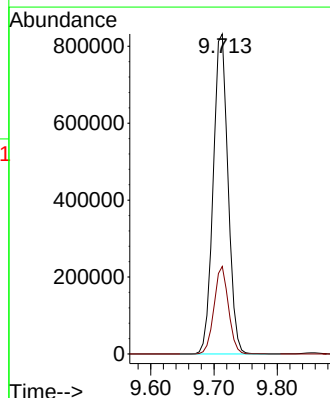
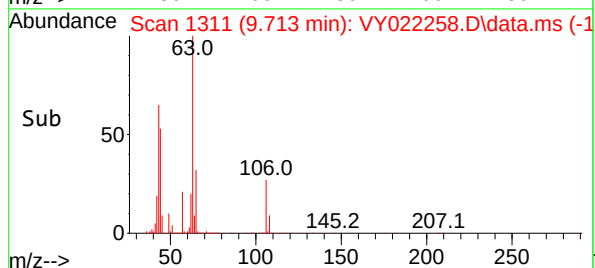
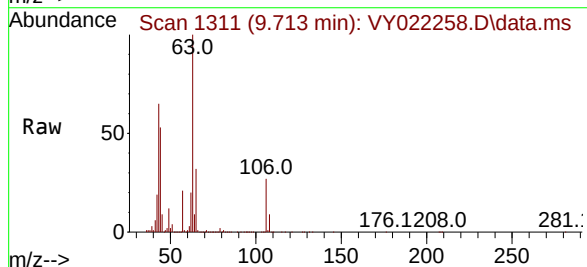
Manual Integrations
APPROVED

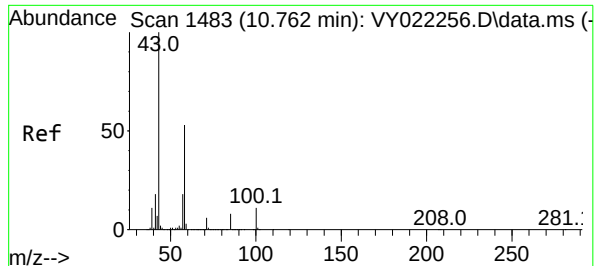
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

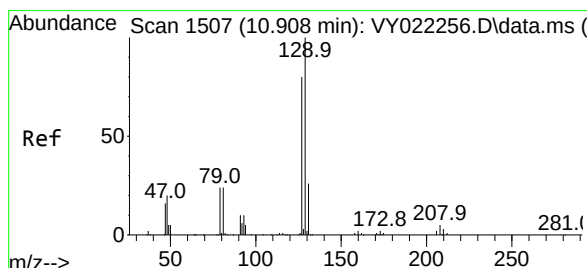
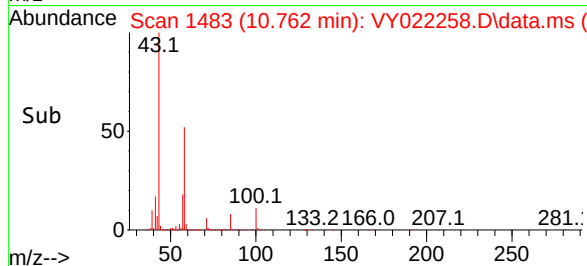
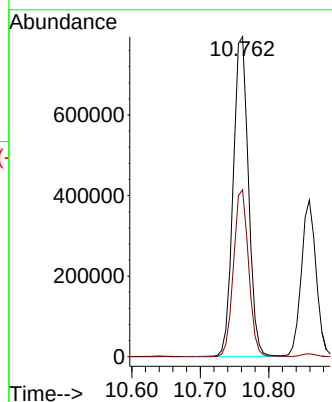
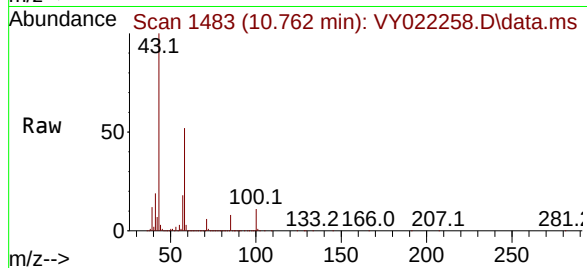
Ion Ratio Lower Upper

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

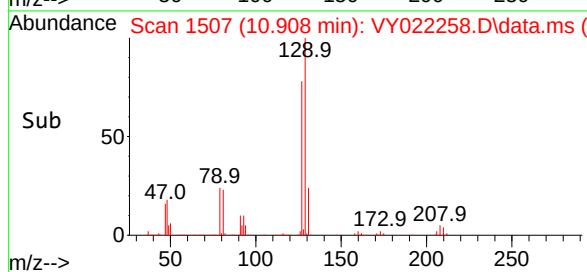
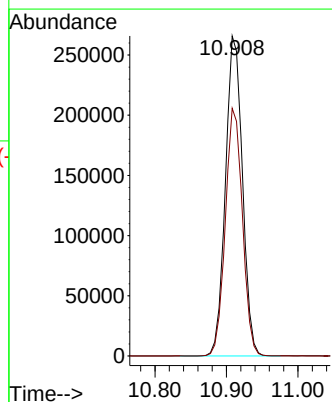
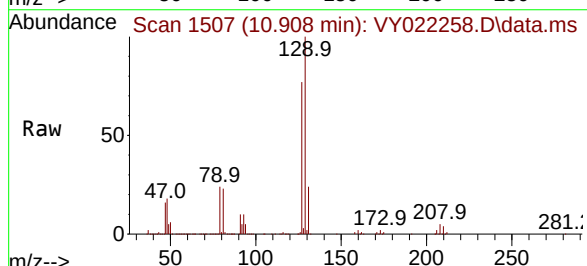
Acq: 15 May 2025 11:47

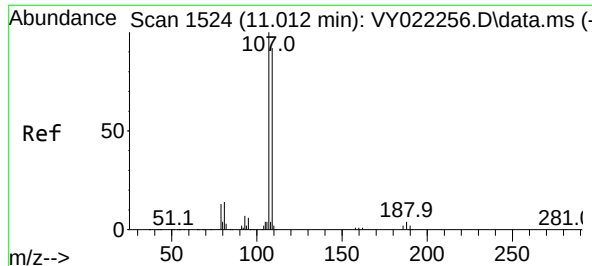
Tgt Ion:129 Resp: 438666

Ion Ratio Lower Upper

129 100

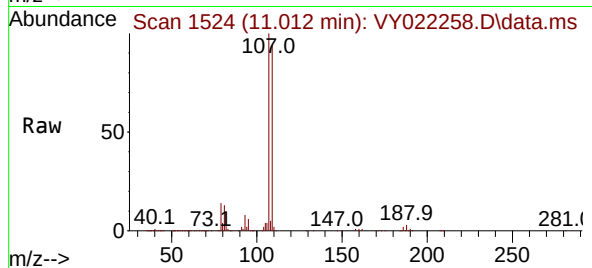
127 77.9 38.6 115.7





#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

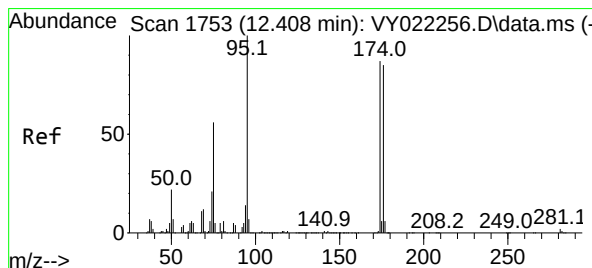
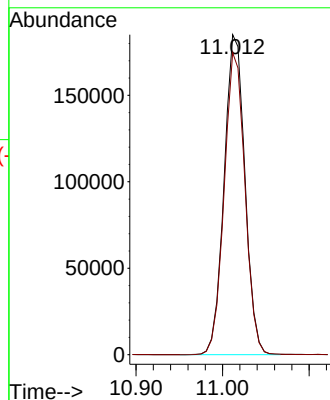
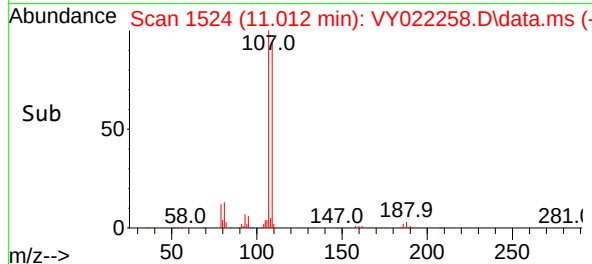
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 308529
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8

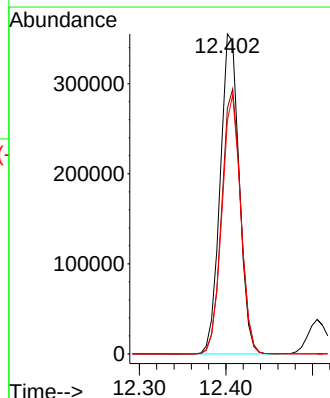
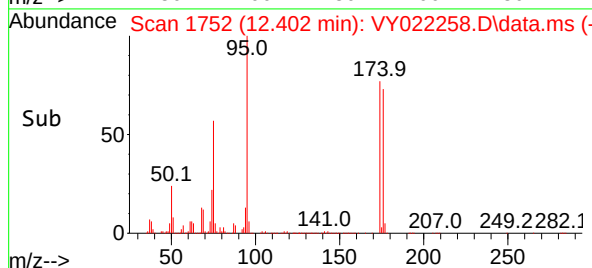
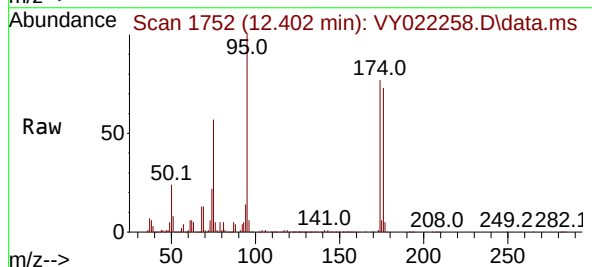
Manual Integrations
APPROVED

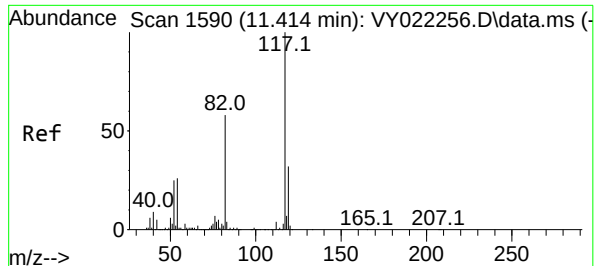
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

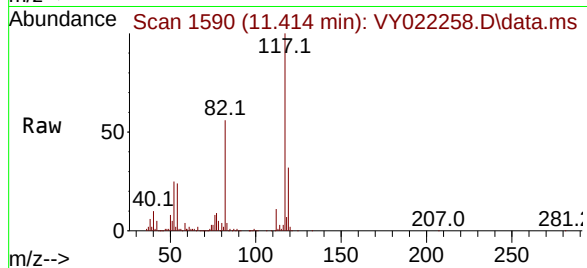
Tgt Ion: 95 Resp: 541367
Ion Ratio Lower Upper
95 100
174 82.5 0.0 166.8
176 79.8 0.0 160.8





#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

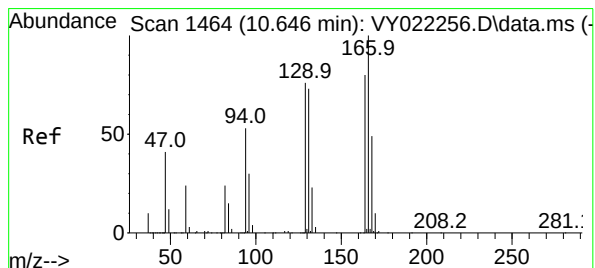
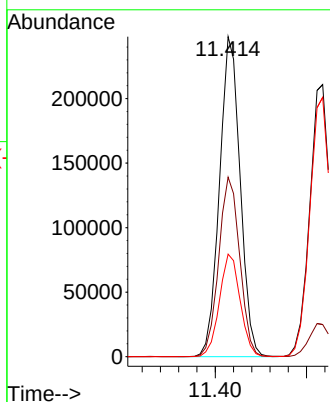
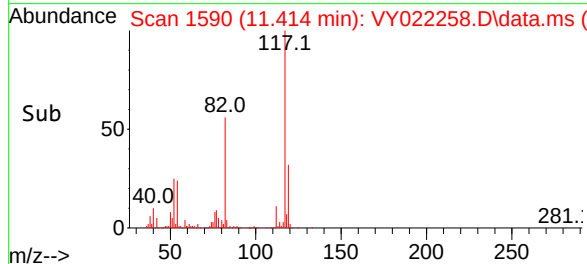
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



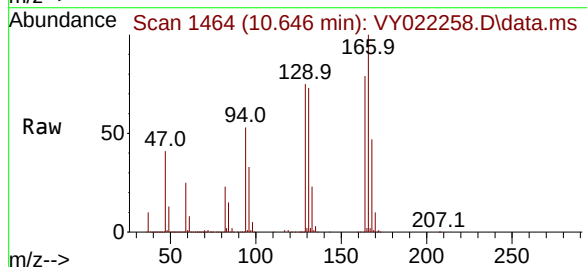
Tgt Ion:117 Resp: 389769
Ion Ratio Lower Upper
117 100
82 56.0 46.6 70.0
119 32.0 25.8 38.6

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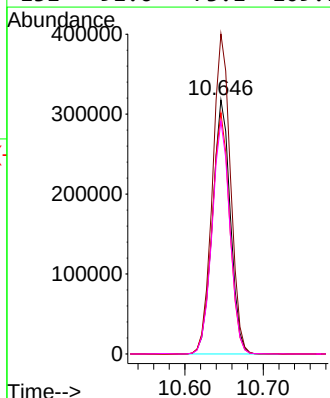
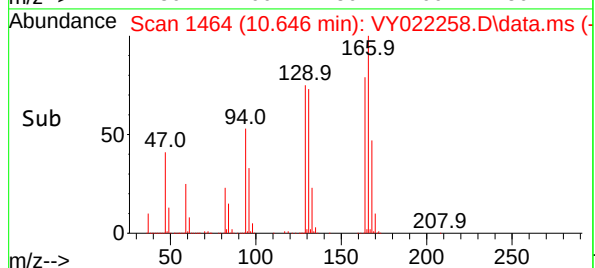
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

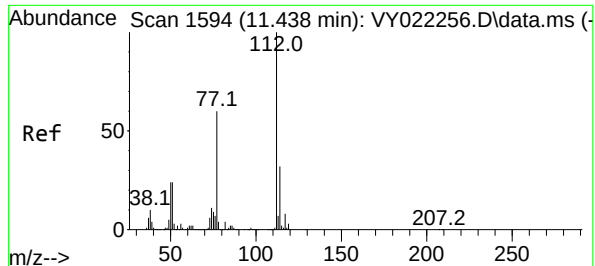


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47



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

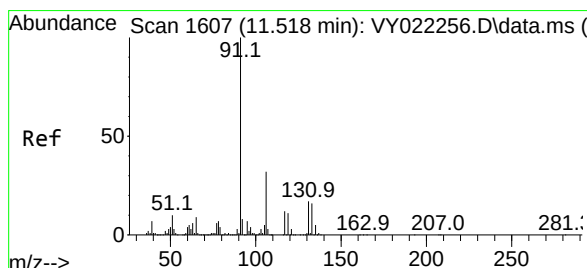
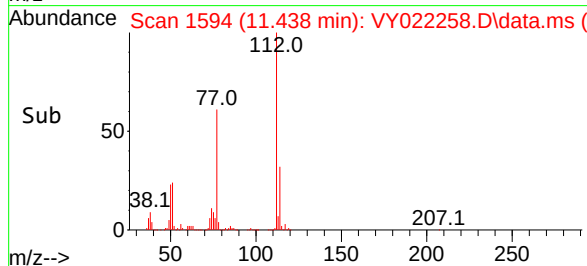
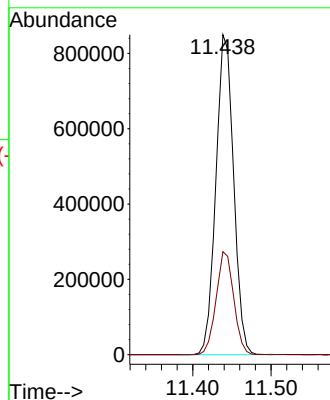
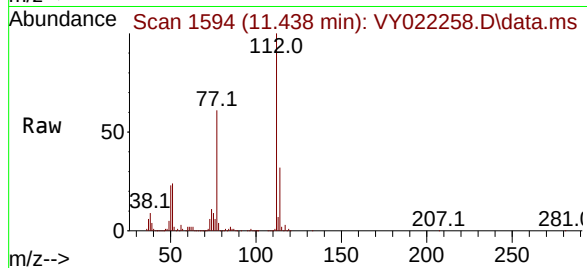
112 100

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

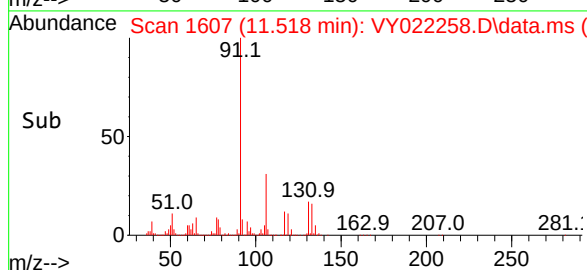
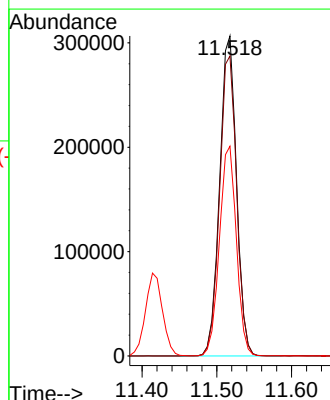
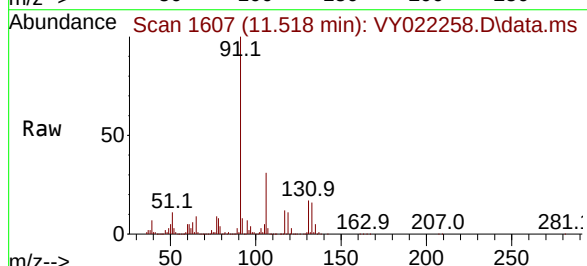
Tgt Ion:131 Resp: 480525

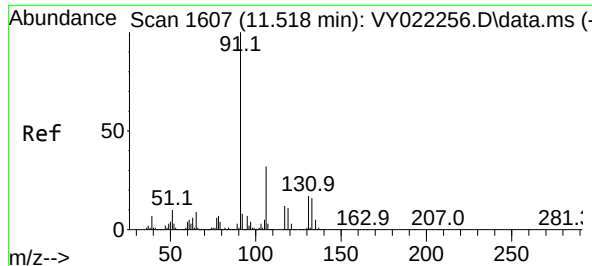
Ion Ratio Lower Upper

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

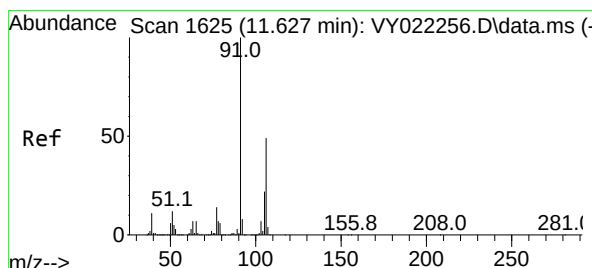
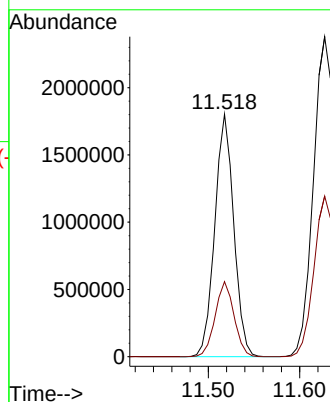
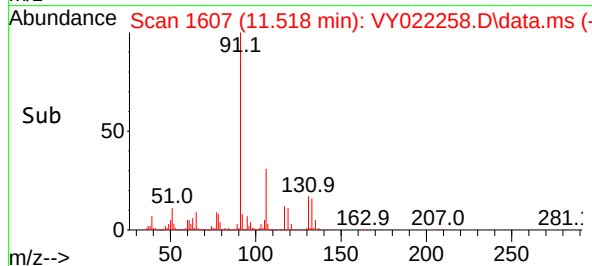
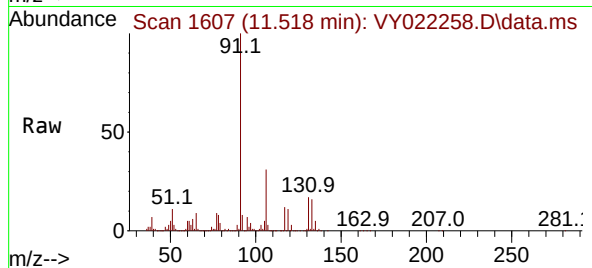
Ion Ratio Lower Upper

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

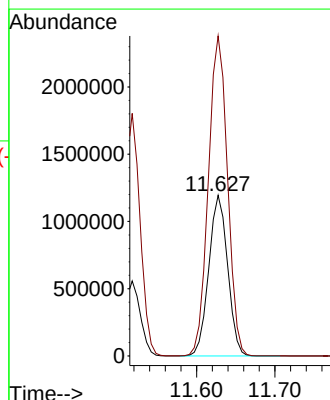
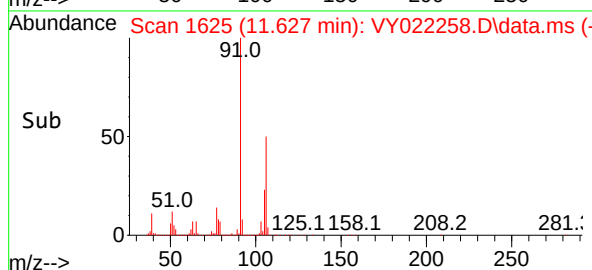
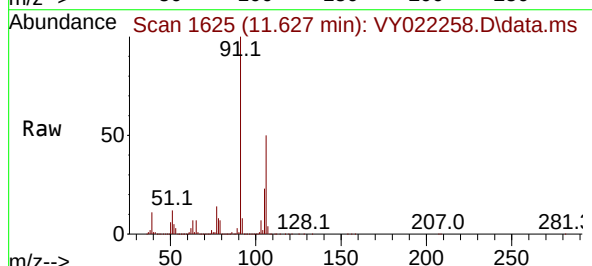
Acq: 15 May 2025 11:47

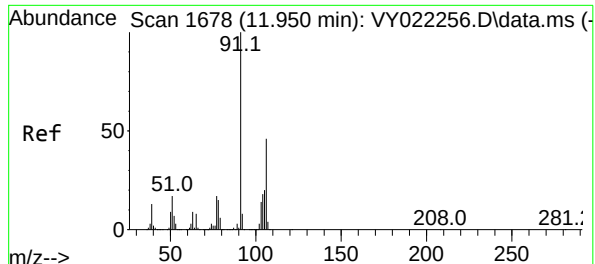
Tgt Ion:106 Resp: 1992413

Ion Ratio Lower Upper

106 100

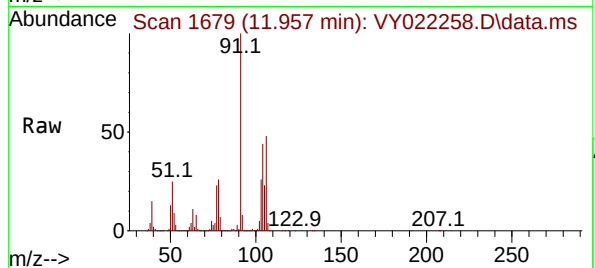
91 202.7 163.0 244.4





#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

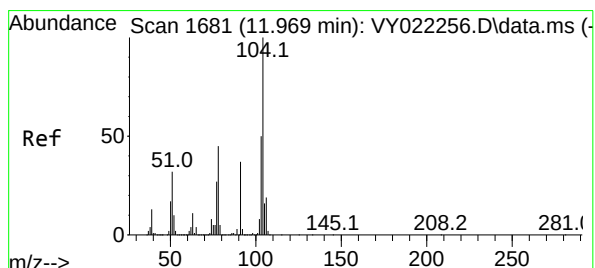
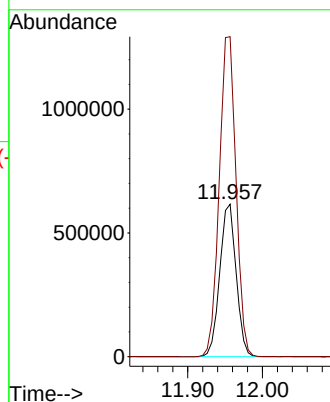
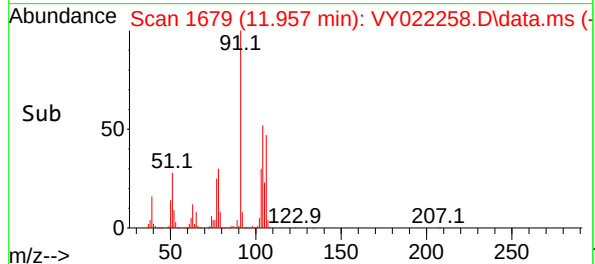
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 93772
Ion Ratio Lower Upper
106 100
91 214.6 108.3 324.8

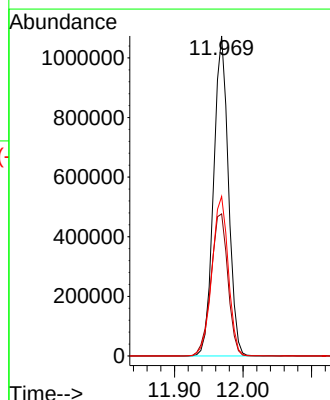
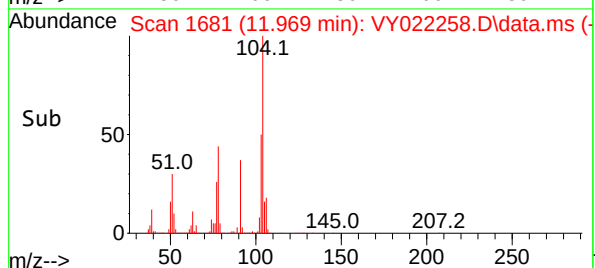
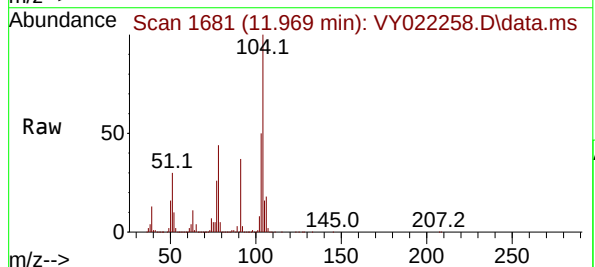
Manual Integrations
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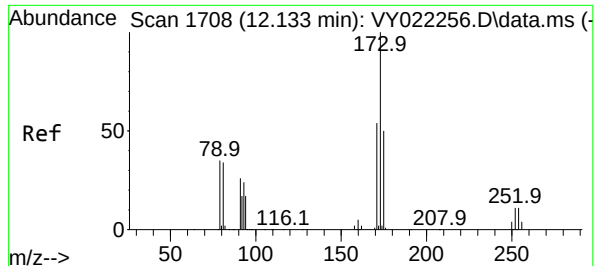
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

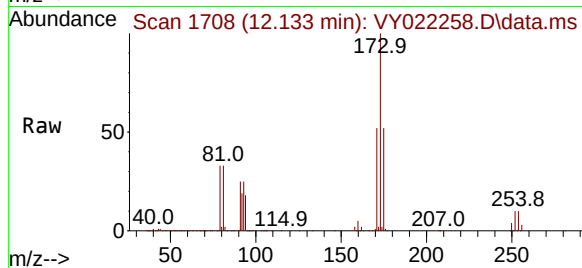
Tgt Ion:104 Resp: 1613798
Ion Ratio Lower Upper
104 100
78 50.8 40.9 61.3
103 54.7 43.7 65.5





#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

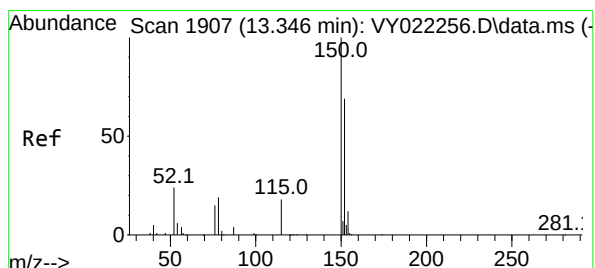
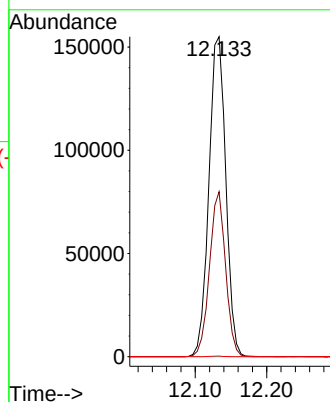
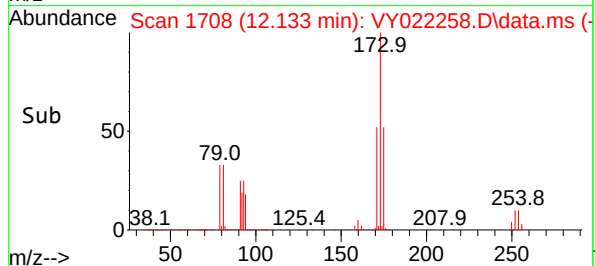
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



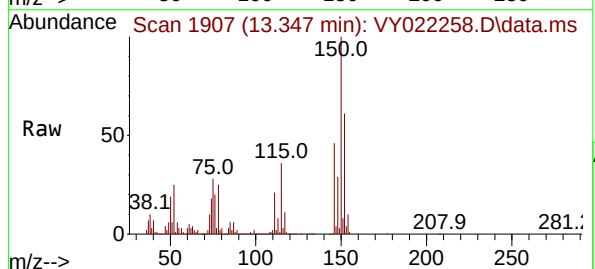
Tgt Ion:173 Resp: 25425
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.1 0.0 0.0

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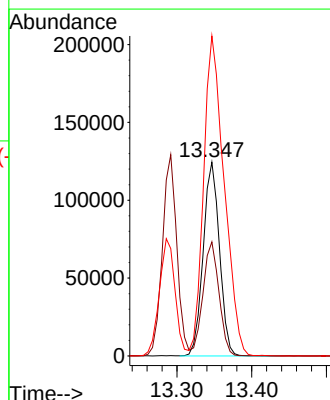
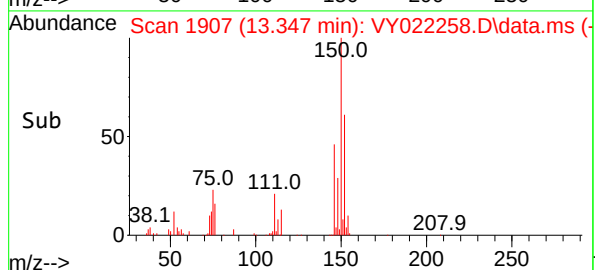
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

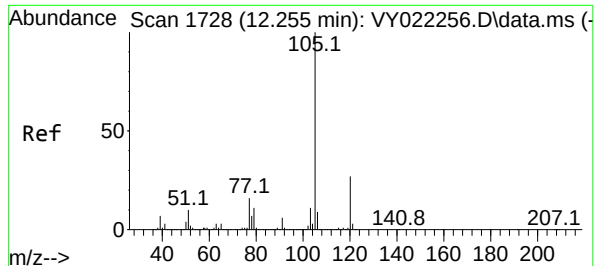


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47



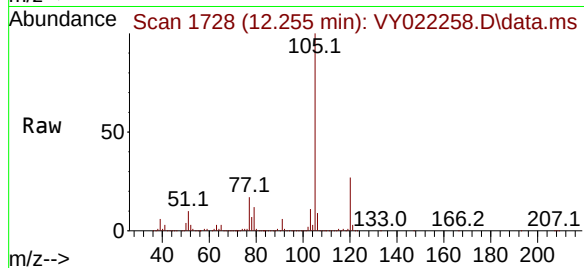
Tgt Ion:152 Resp: 187978
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 208.7 0.0 353.8





#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

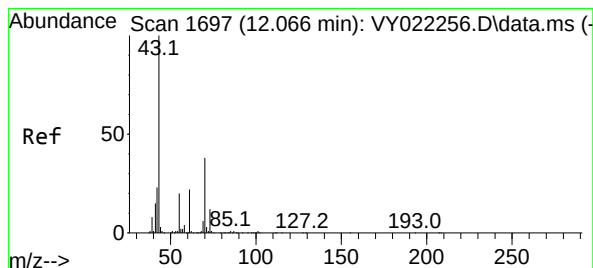
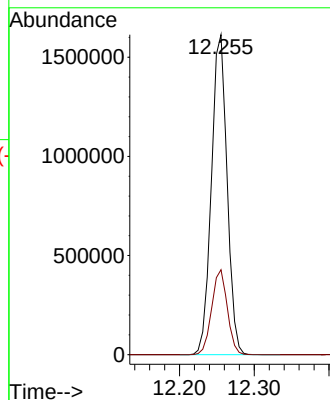
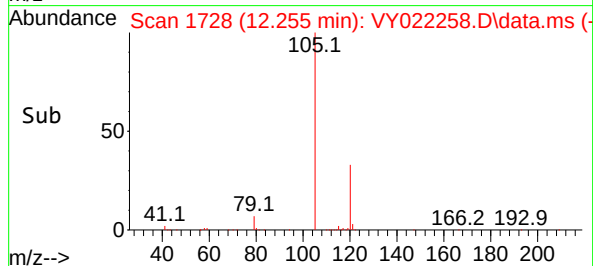
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 235756
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

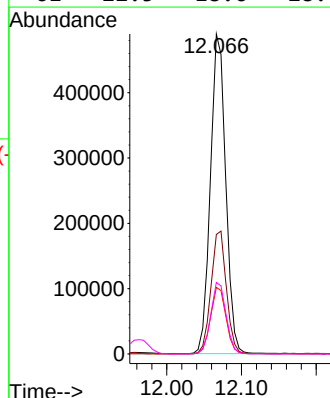
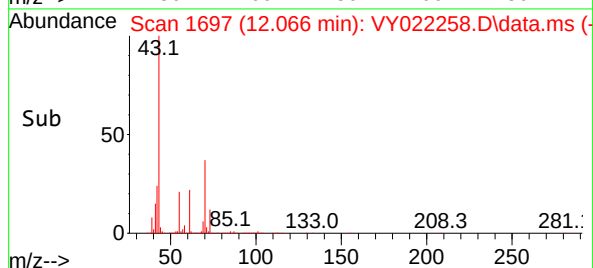
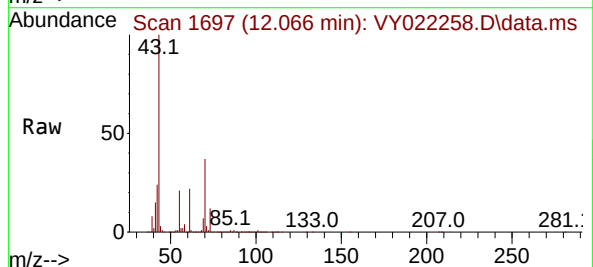
Manual Integrations
APPROVED

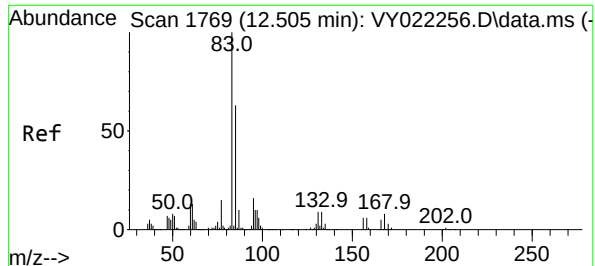
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





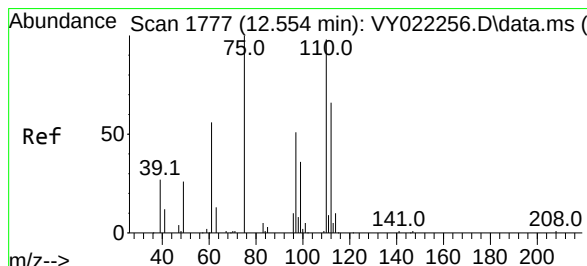
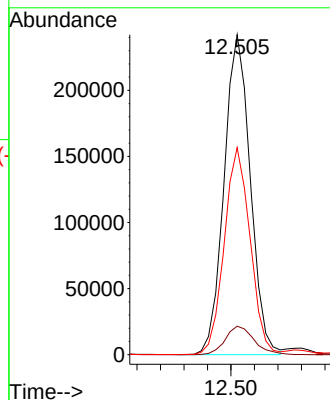
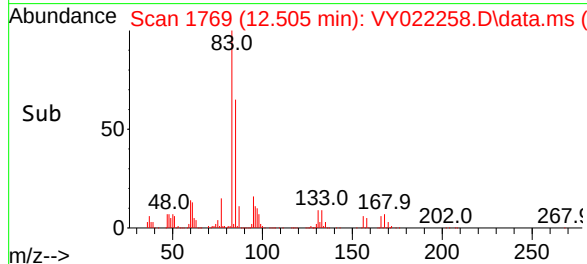
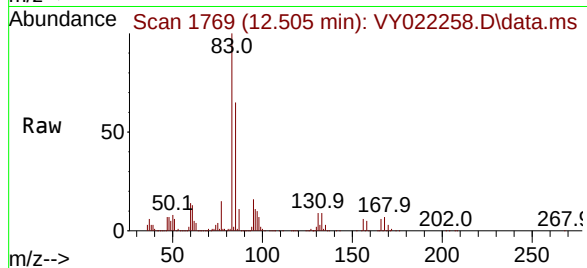
#75
1,1,2,2-Tetrachloroethane
Concen: 156.735 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

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

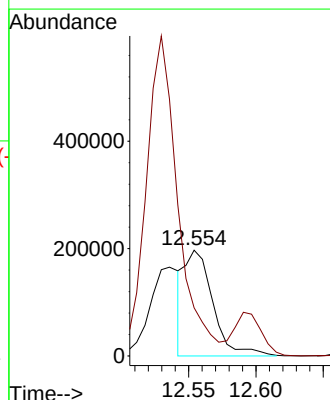
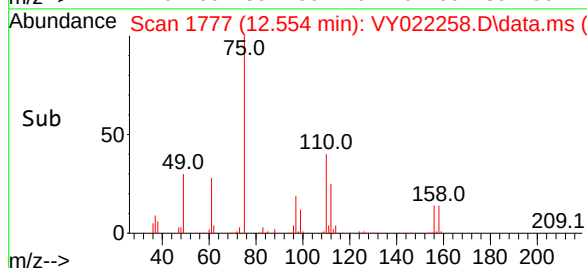
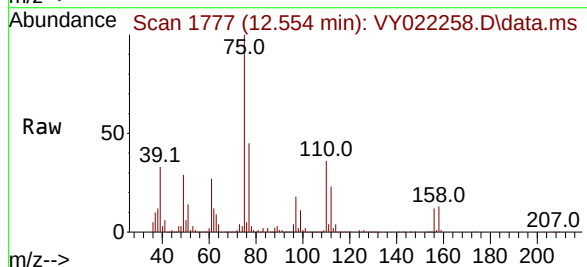
Manual Integrations
APPROVED

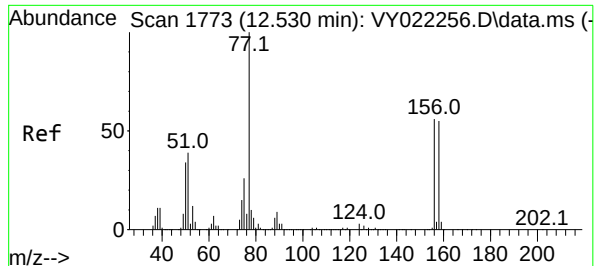
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

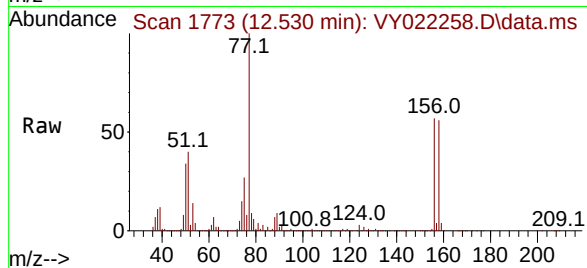
Tgt Ion: 75 Resp: 289968
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

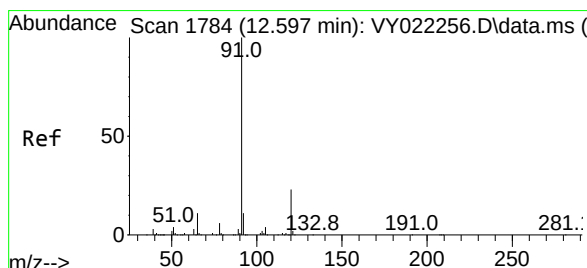
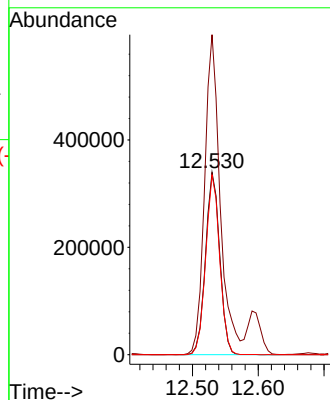
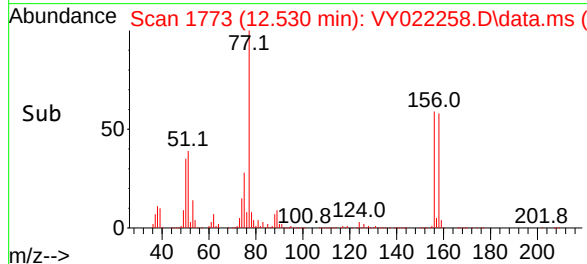
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

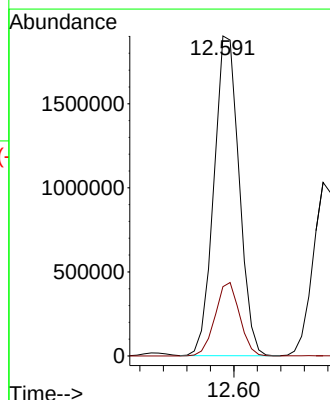
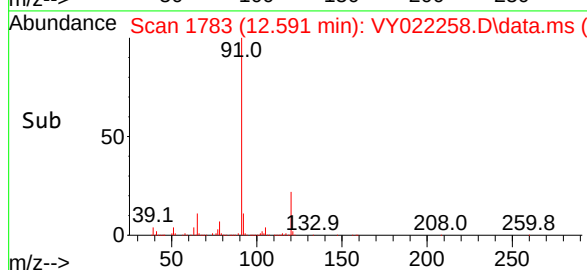
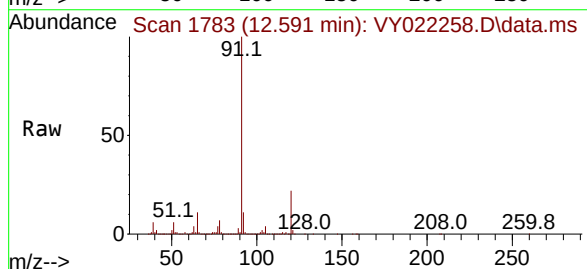
Manual Integrations
APPROVED

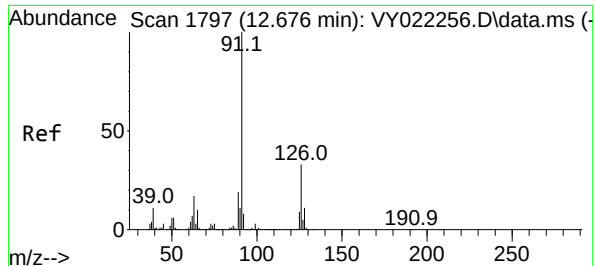
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

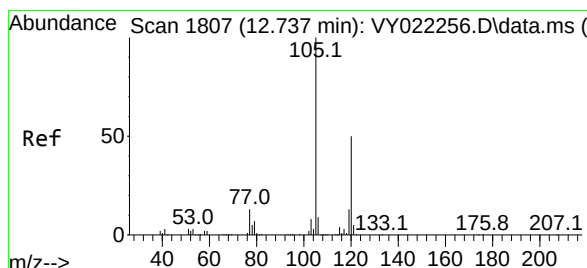
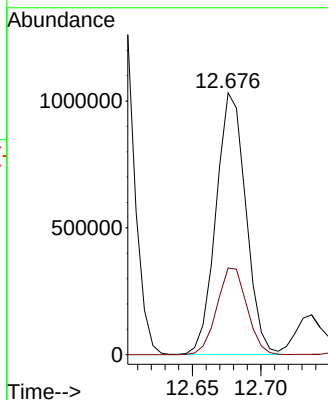
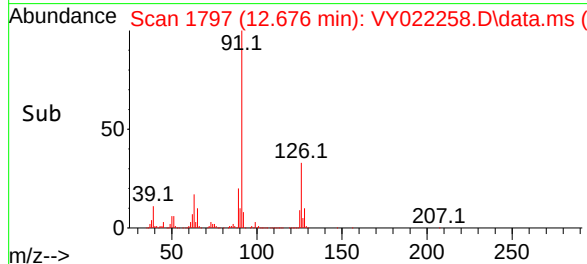
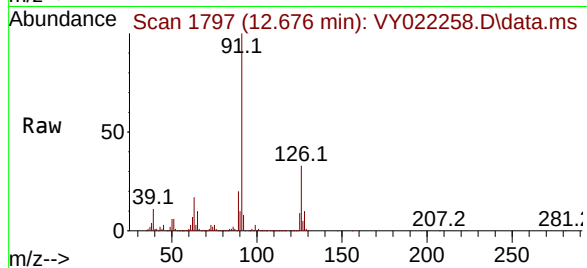
126 33.4 16.8 50.4

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

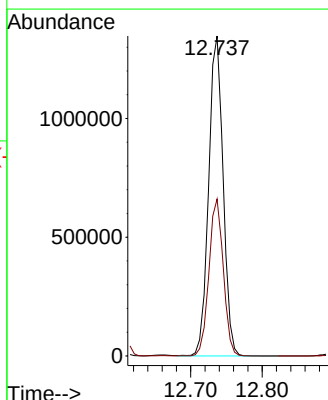
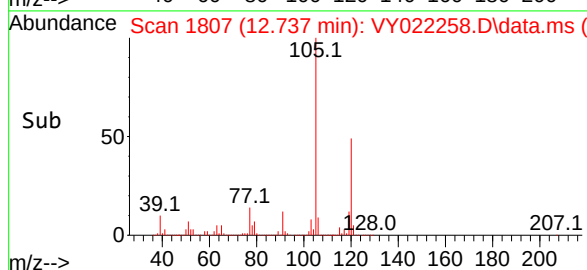
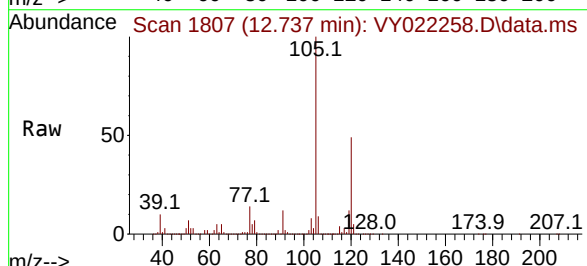
Acq: 15 May 2025 11:47

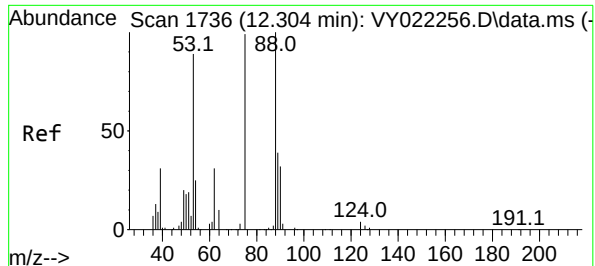
Tgt Ion:105 Resp: 1888432

Ion Ratio Lower Upper

105 100

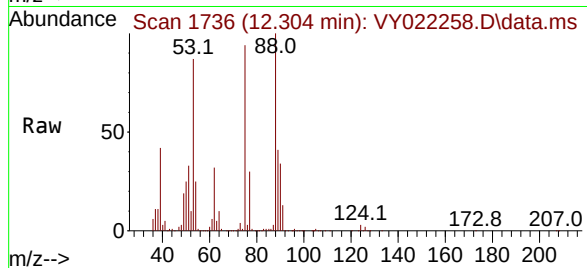
120 48.7 24.2 72.6





#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

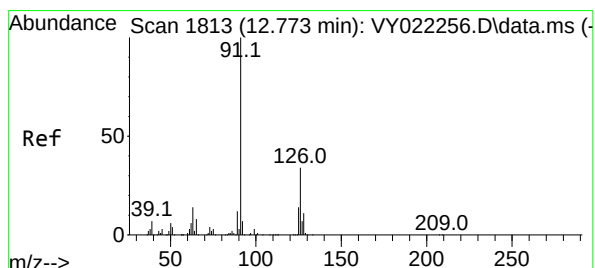
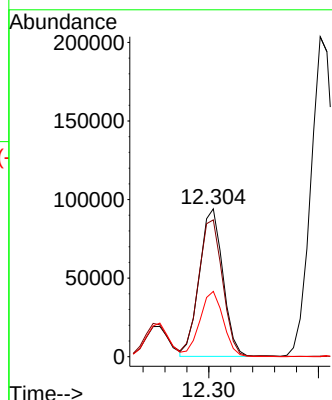
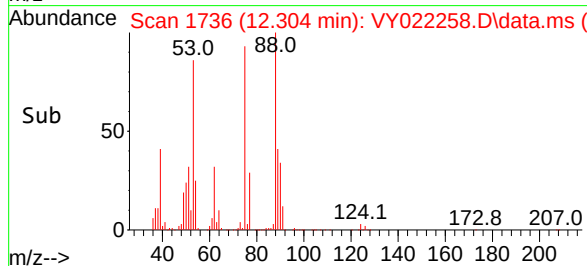
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

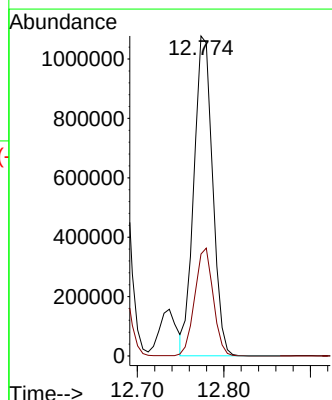
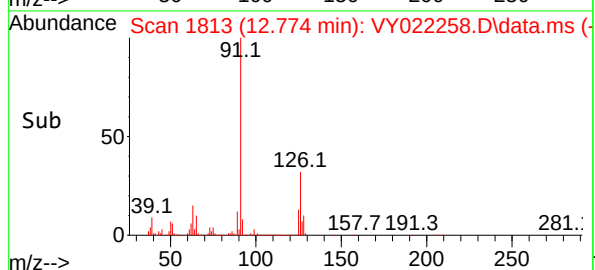
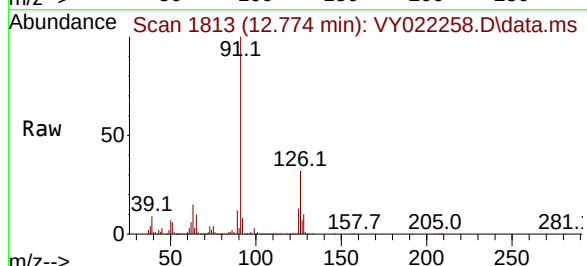
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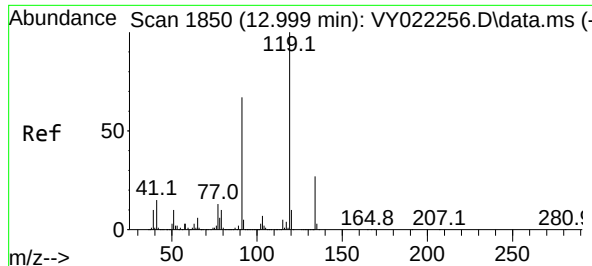
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

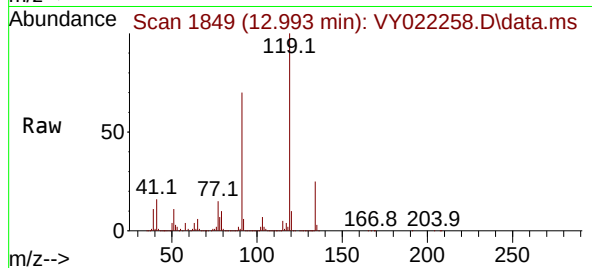
Tgt Ion: 91 Resp: 1616520
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.4





#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

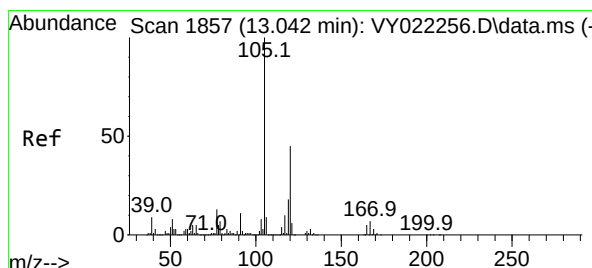
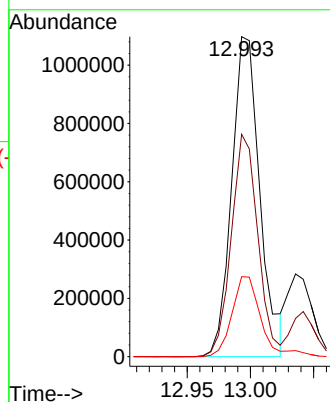
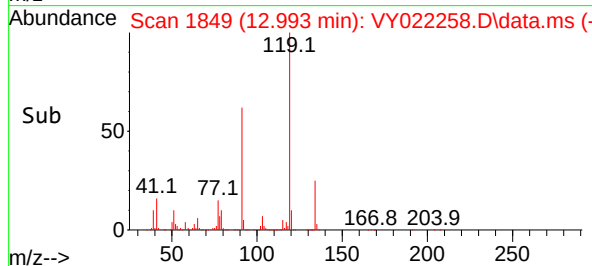
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

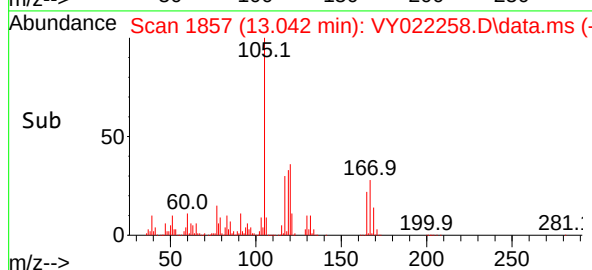
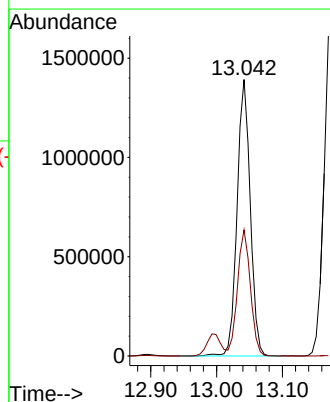
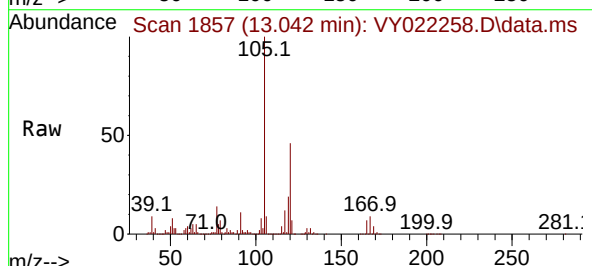
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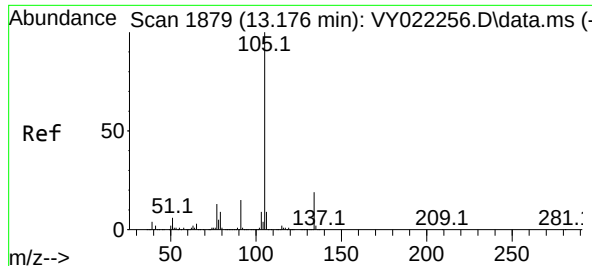
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

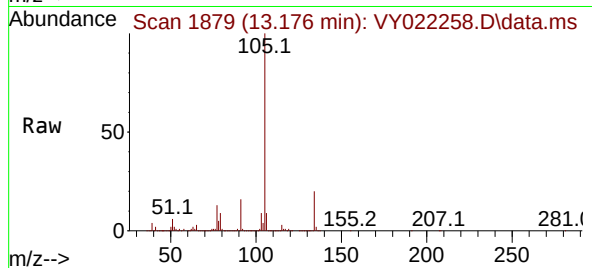
Tgt Ion:105 Resp: 1934641
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9





#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

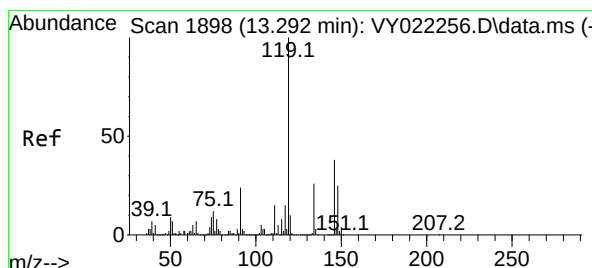
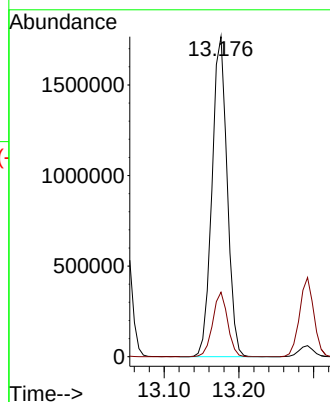
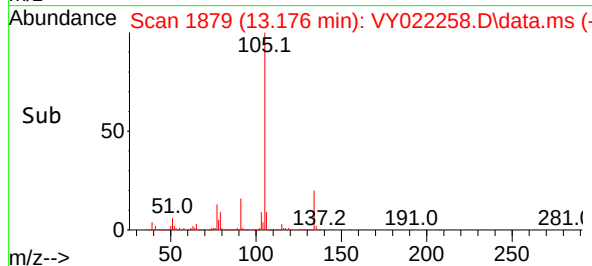
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150



Tgt Ion:105 Resp: 249339
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5

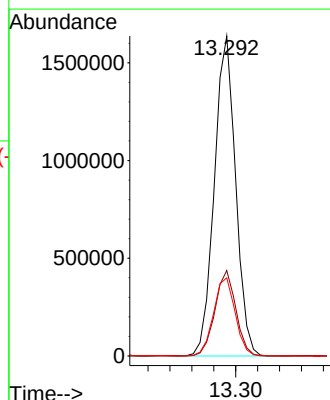
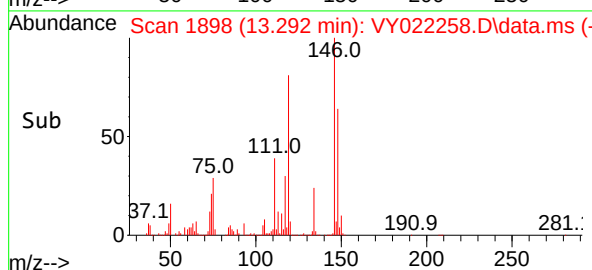
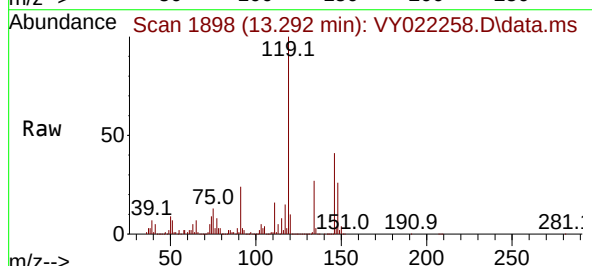
Manual Integrations
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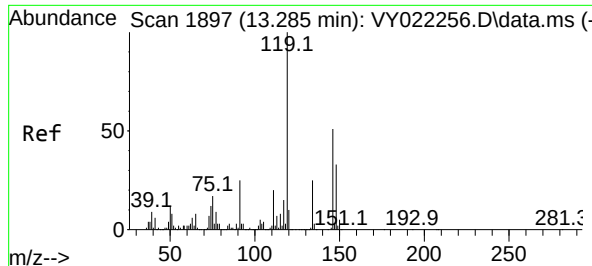
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#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

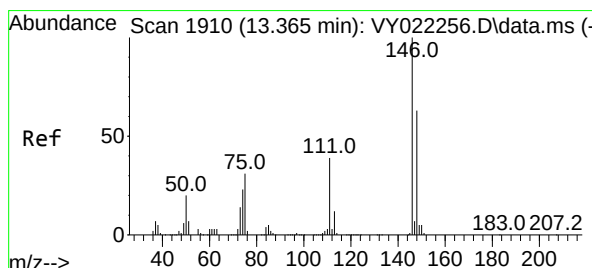
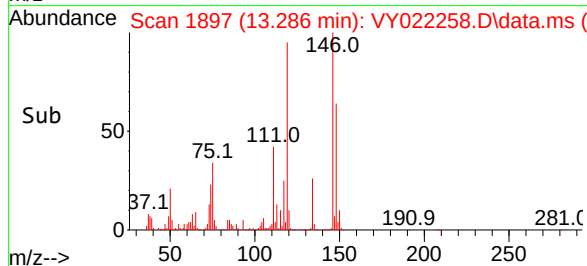
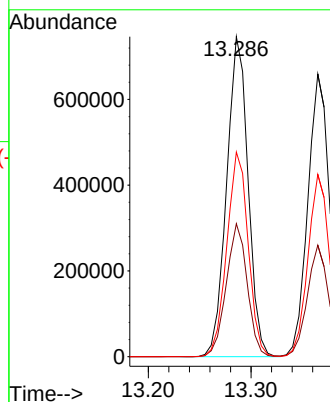
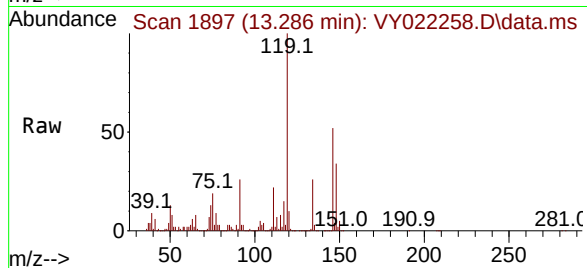
148 63.8 31.9 95.7

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

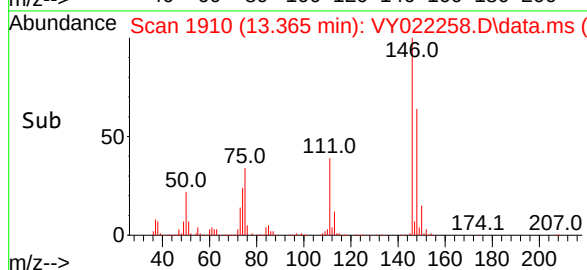
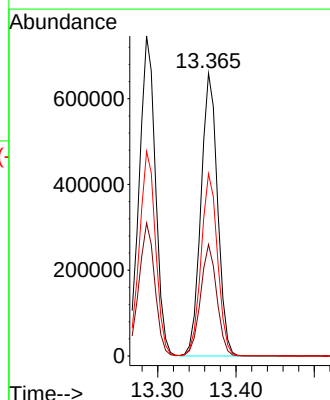
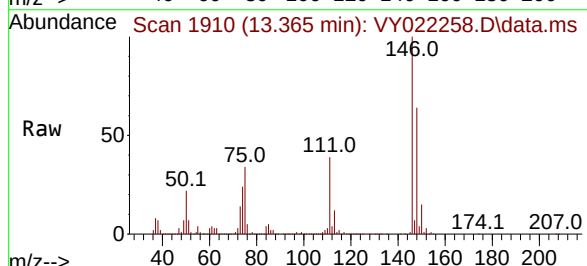
Tgt Ion:146 Resp: 969874

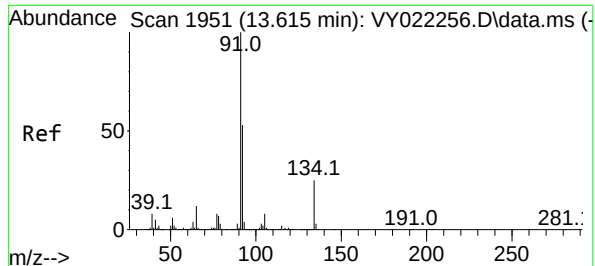
Ion Ratio Lower Upper

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

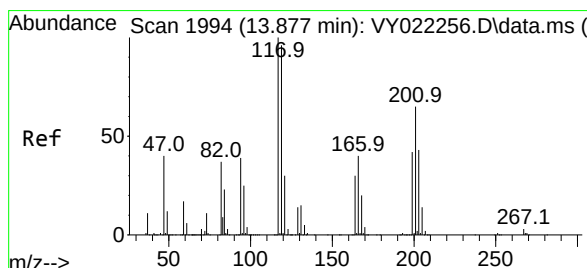
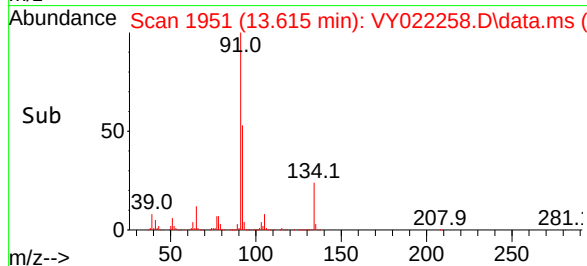
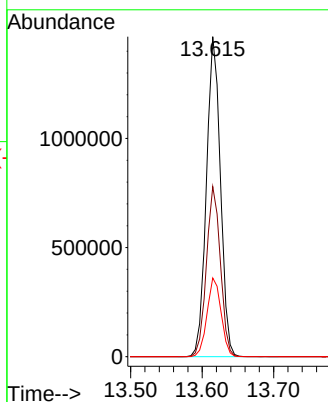
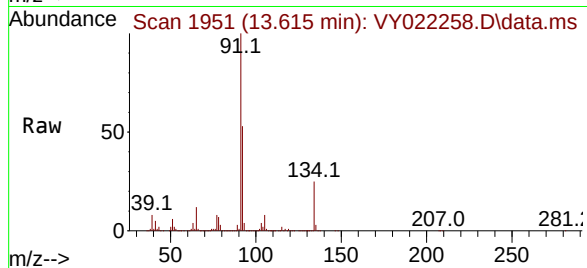
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4

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

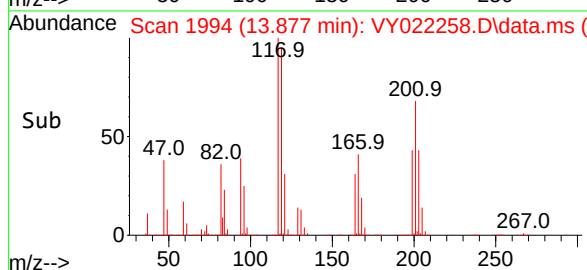
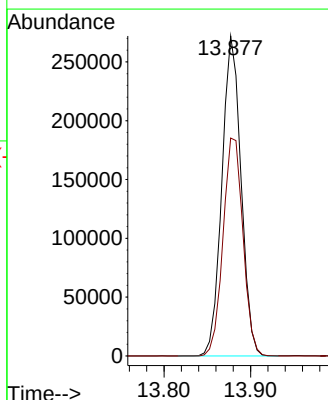
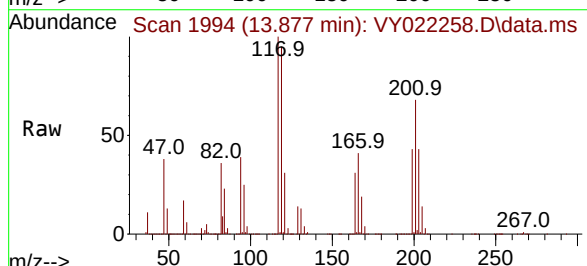
Delta R.T. 0.000 min

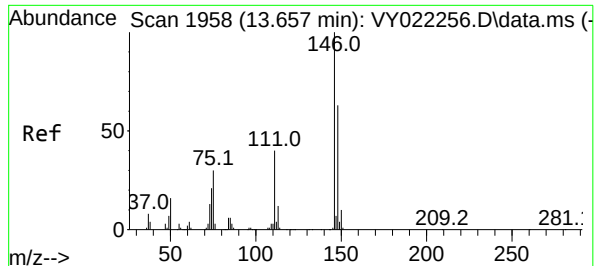
Lab File: VY022258.D

Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

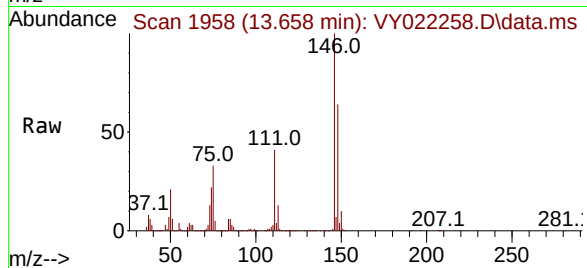
Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6





#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

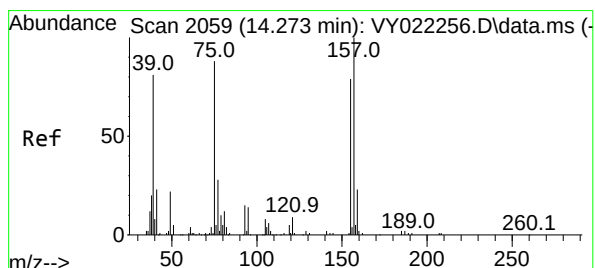
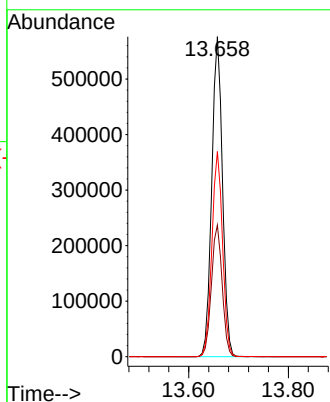
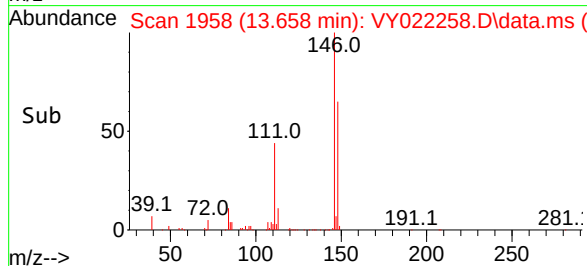
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

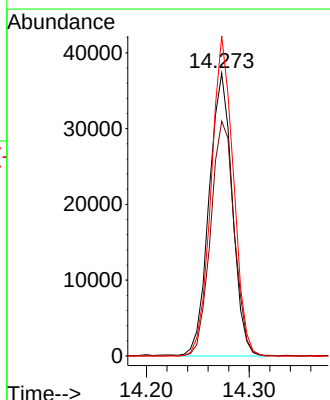
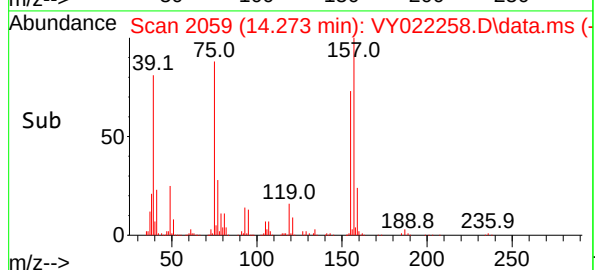
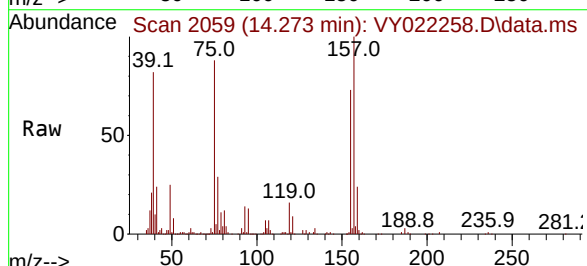
Manual Integrations
APPROVED

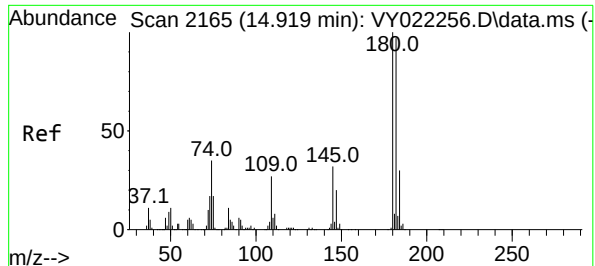
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

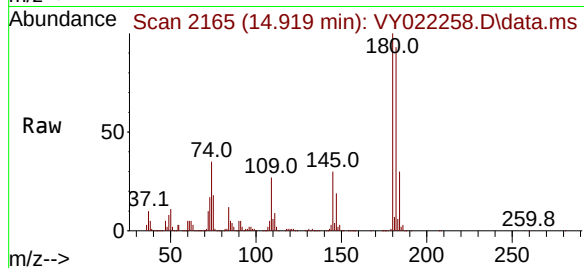
Tgt Ion: 75 Resp: 58383
Ion Ratio Lower Upper
75 100
155 84.6 43.4 130.1
157 108.4 54.6 163.9





#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

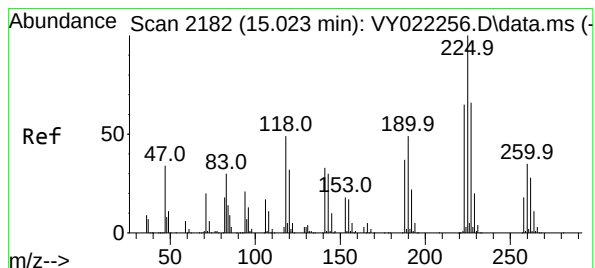
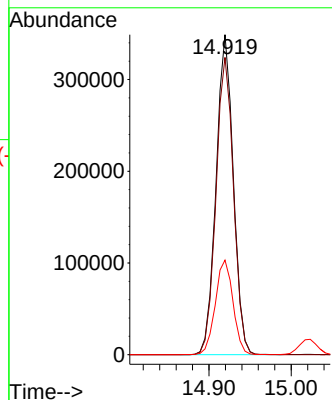
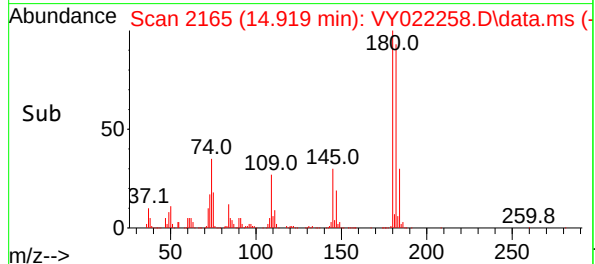
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

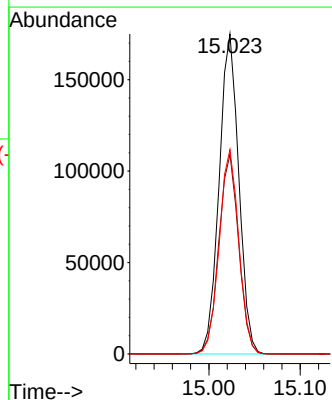
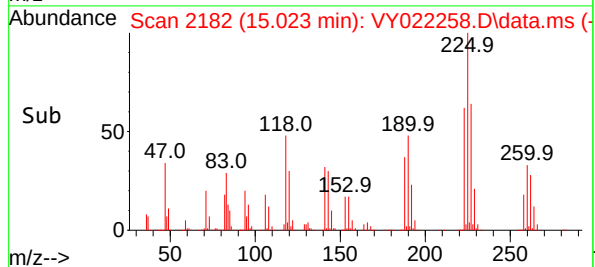
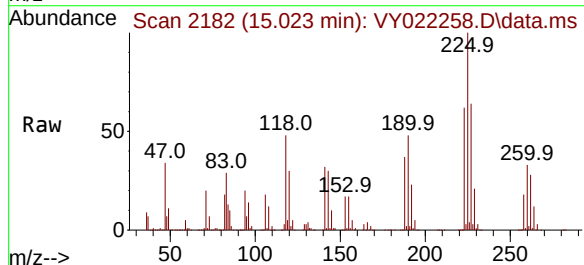
Manual Integrations
APPROVED

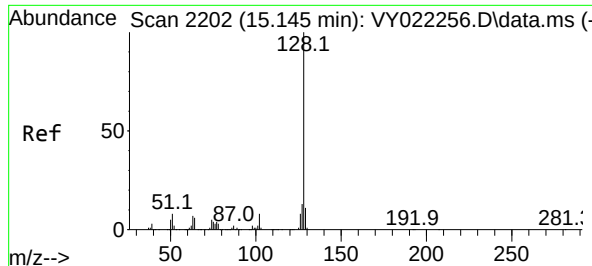
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

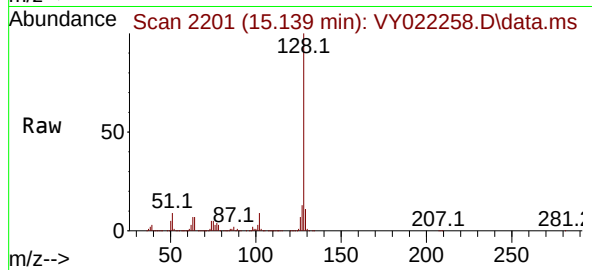
Tgt Ion:225 Resp: 261832
Ion Ratio Lower Upper
225 100
223 62.9 31.5 94.5
227 63.8 32.1 96.3





#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

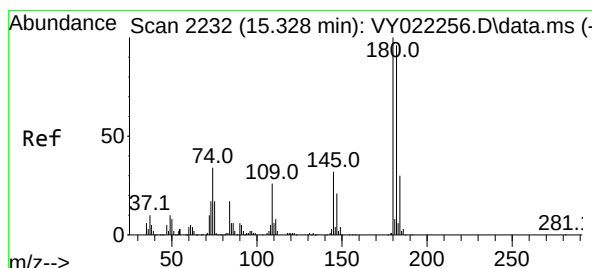
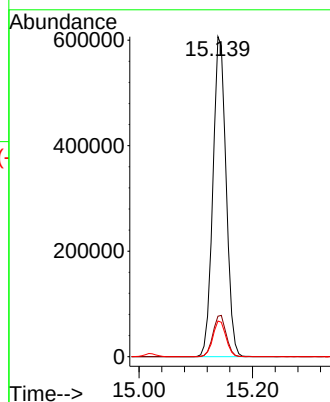
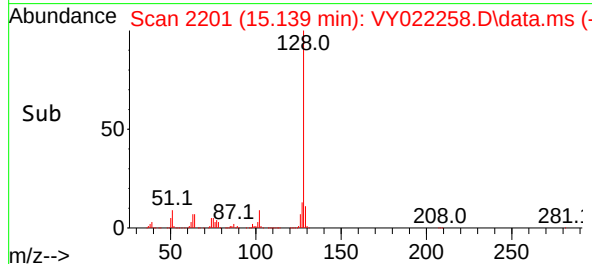
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



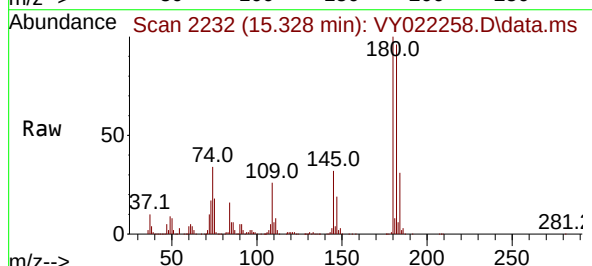
Tgt Ion:128 Resp: 979369
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2

Manual Integrations
APPROVED

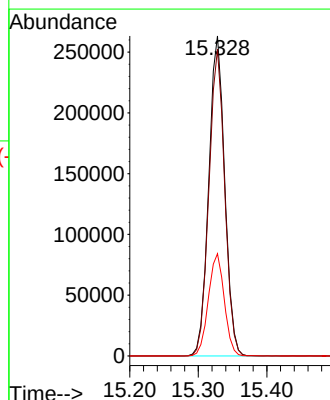
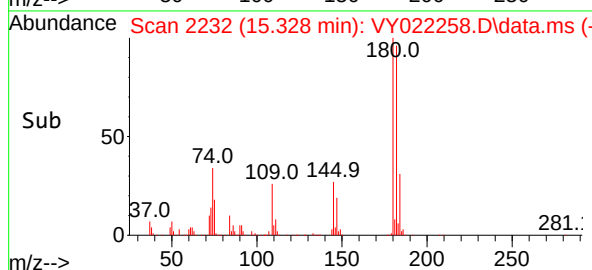
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

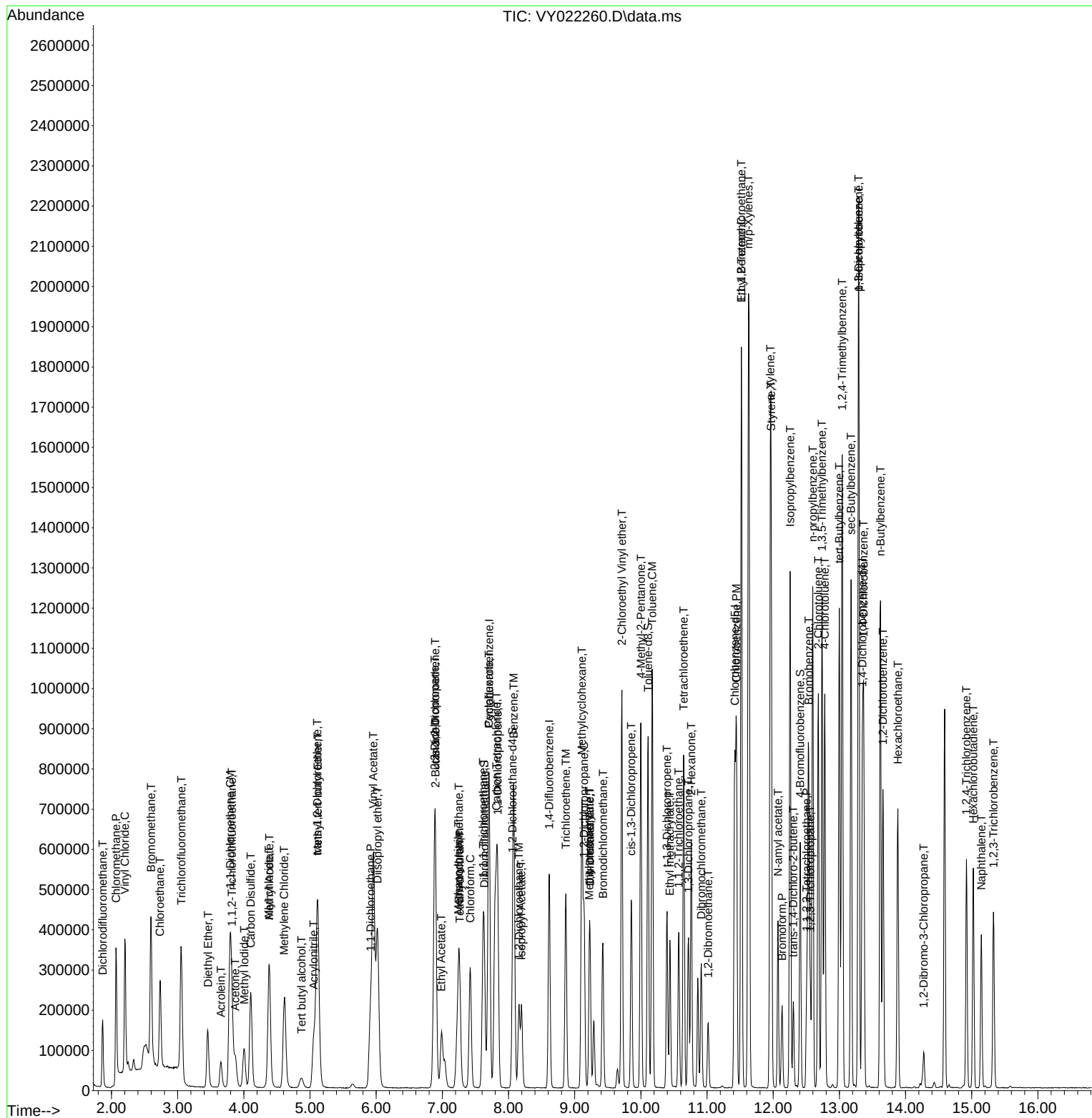
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Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

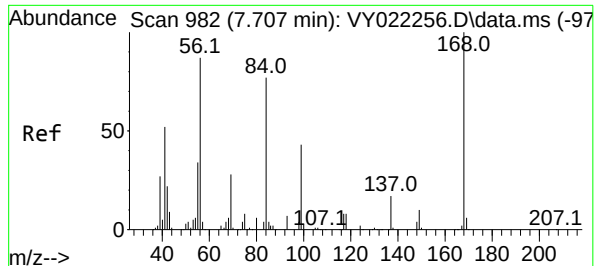
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525

Manual Integrations APPROVED

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

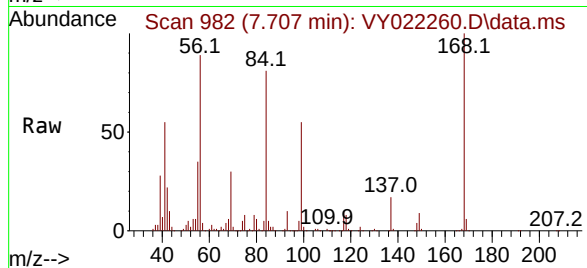
Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#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

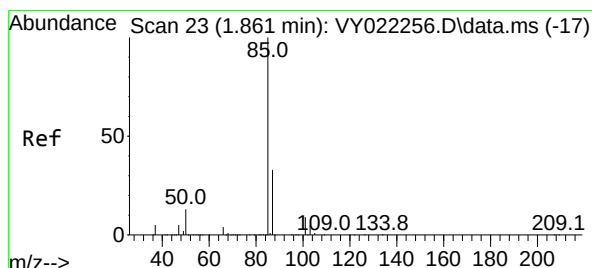
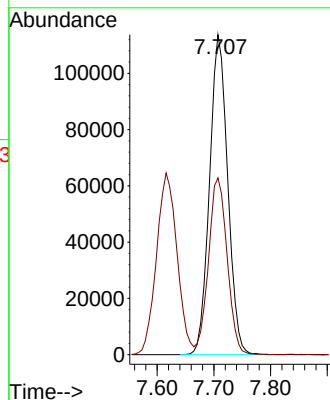
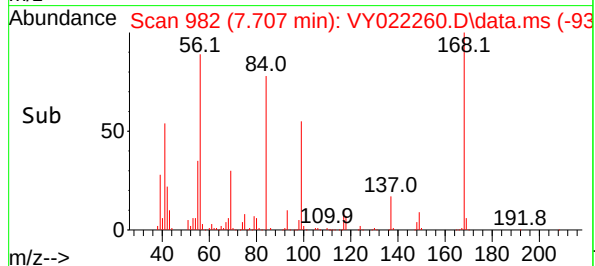
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 168 Resp: 252715
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4

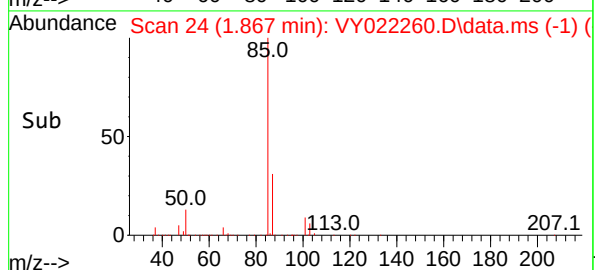
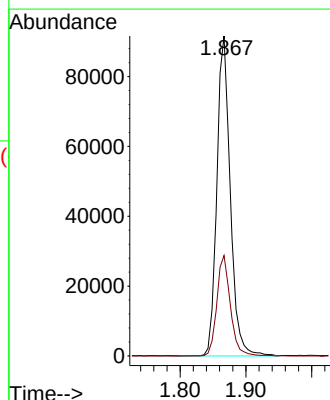
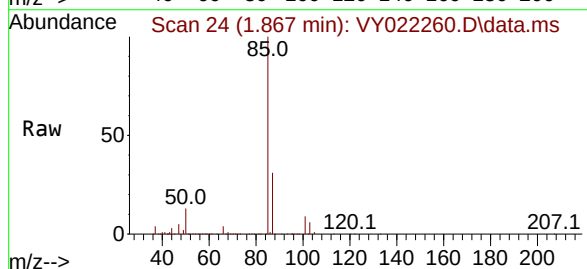
Manual Integrations
APPROVED

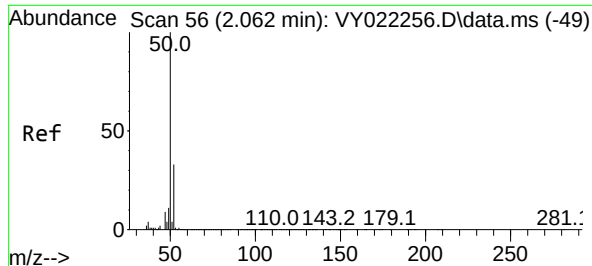
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

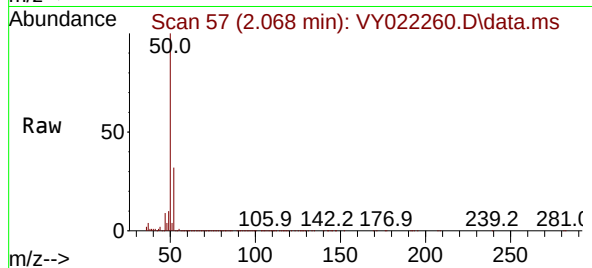
Tgt Ion: 85 Resp: 130352
Ion Ratio Lower Upper
85 100
87 31.4 16.5 49.5





#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

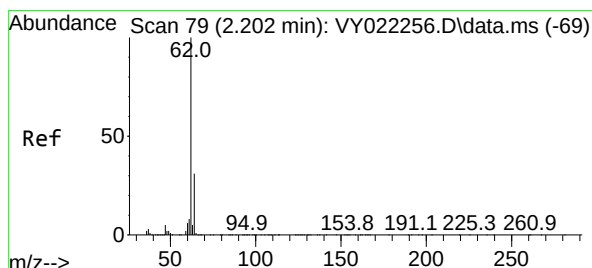
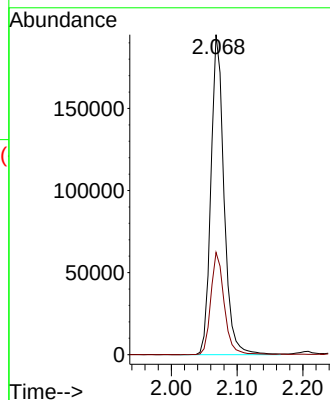
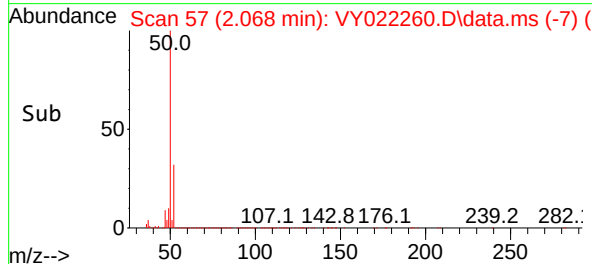
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 50 Resp: 270248
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

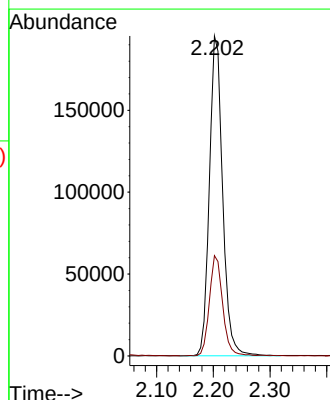
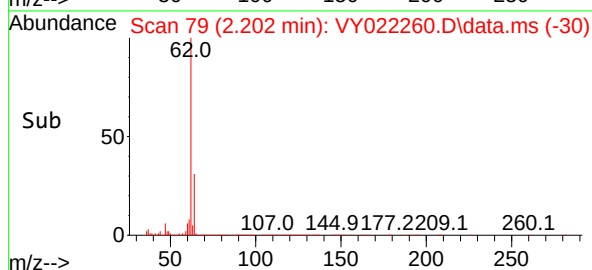
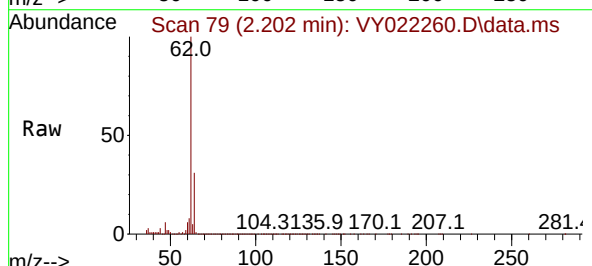
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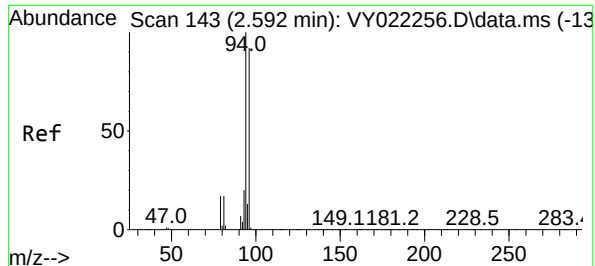
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

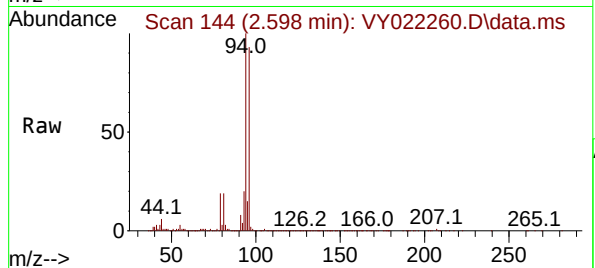
Tgt Ion: 62 Resp: 316755
Ion Ratio Lower Upper
62 100
64 31.3 24.5 36.7





#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

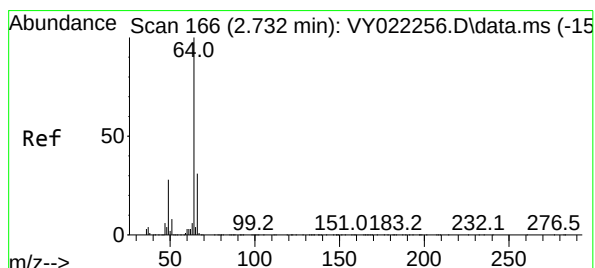
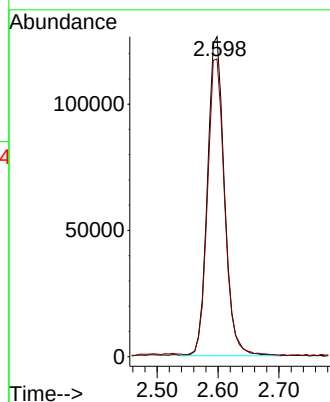
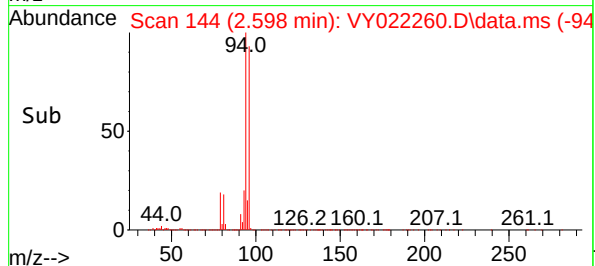
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 94 Resp: 24461
Ion Ratio Lower Upper
94 100
96 92.8 73.4 110.0

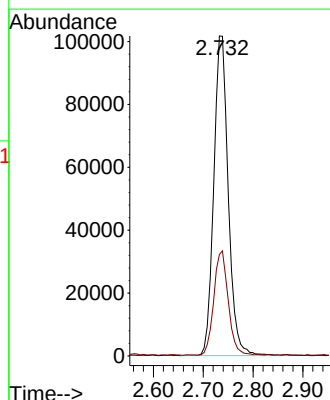
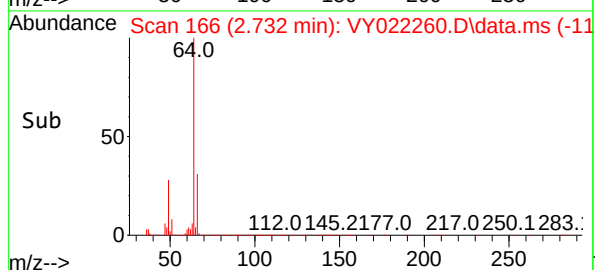
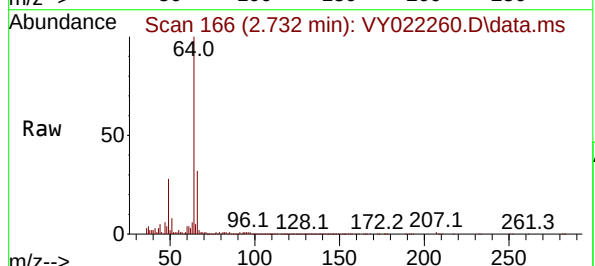
Manual Integrations
APPROVED

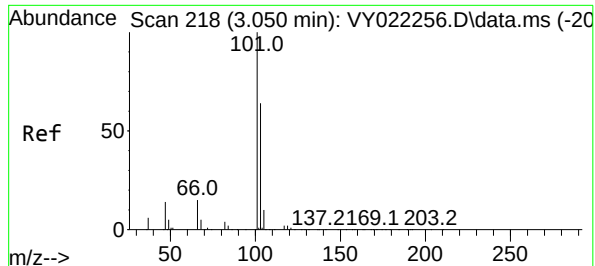
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

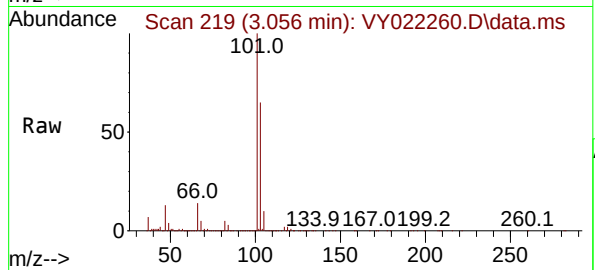
Tgt Ion: 64 Resp: 205247
Ion Ratio Lower Upper
64 100
66 31.4 24.8 37.2





#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

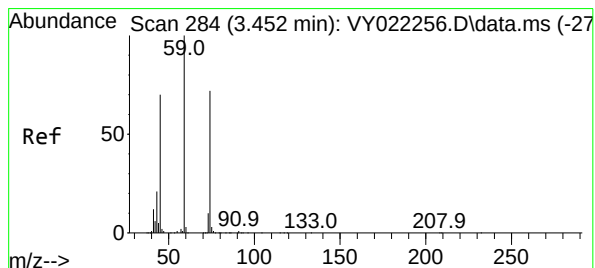
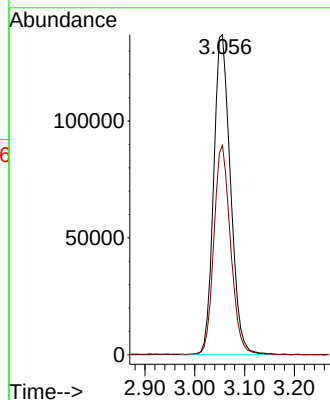
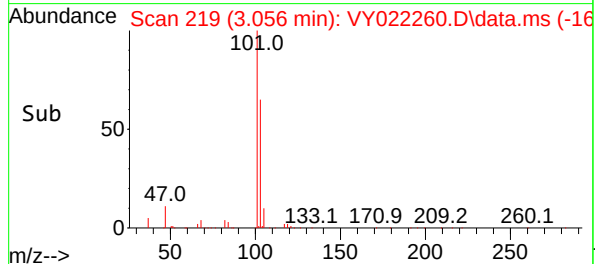
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:101 Resp: 321098
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5

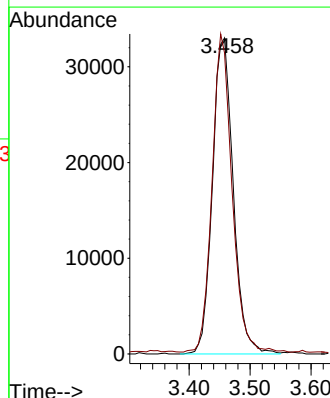
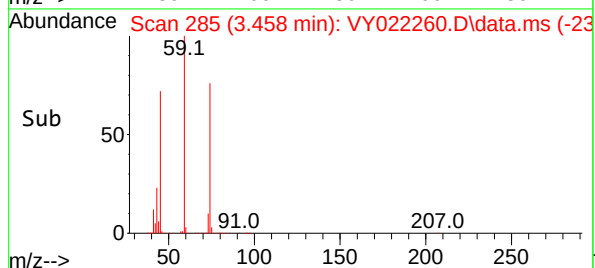
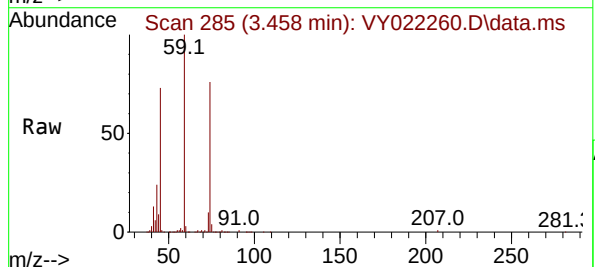
Manual Integrations
APPROVED

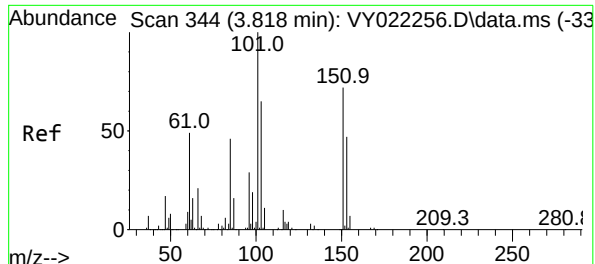
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





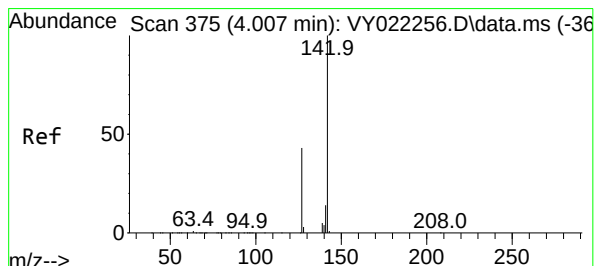
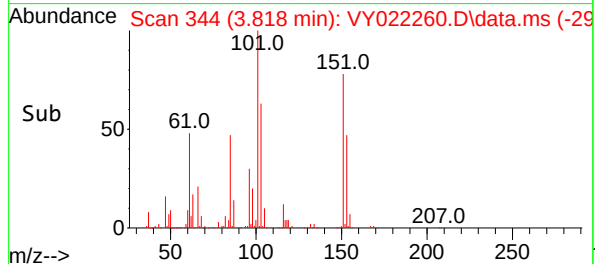
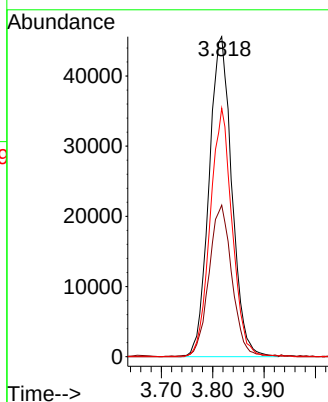
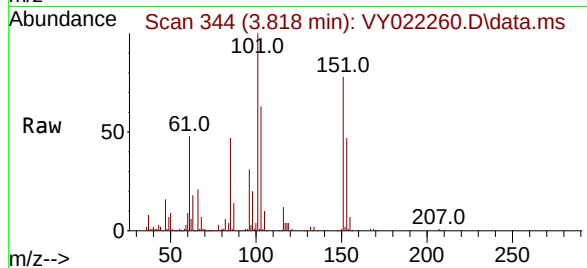
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

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

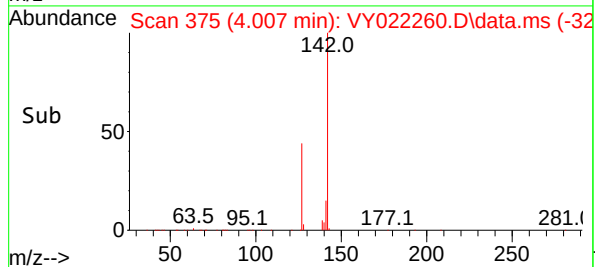
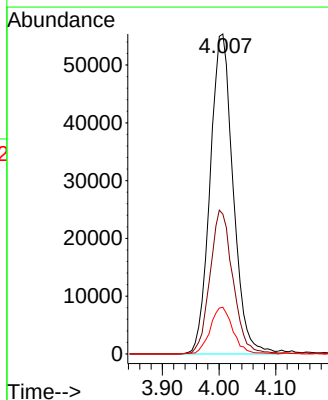
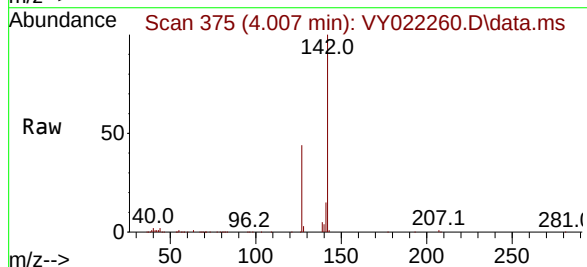
Manual Integrations
APPROVED

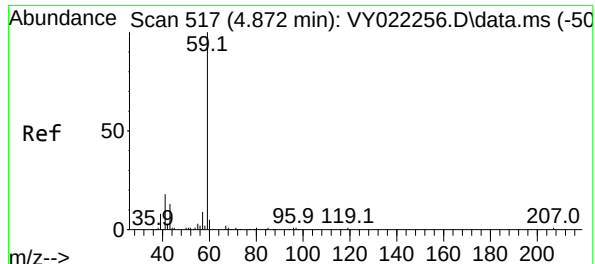
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

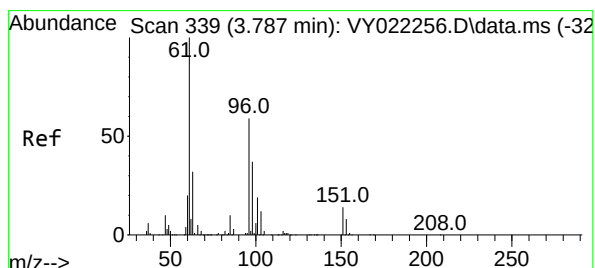
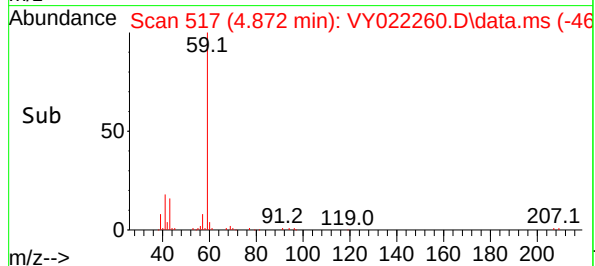
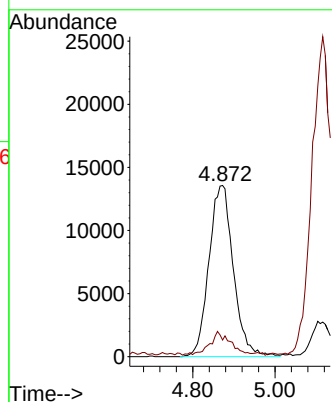
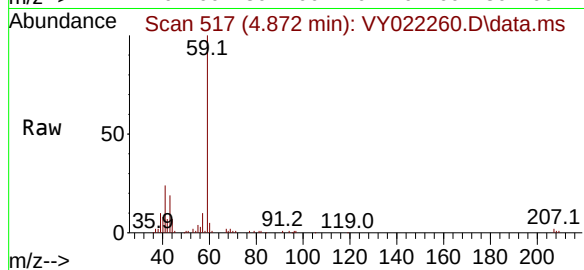
59 100

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

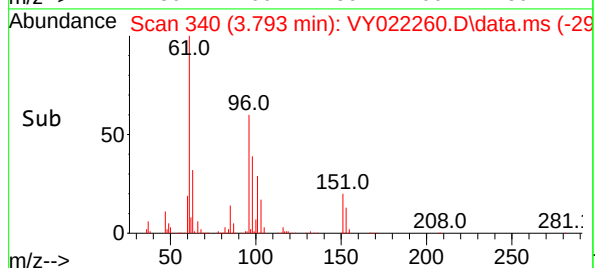
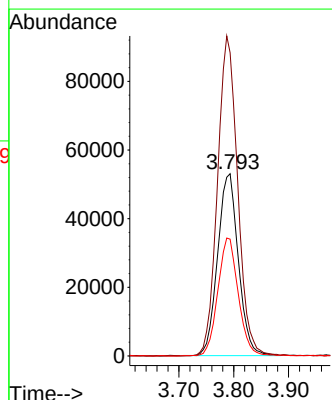
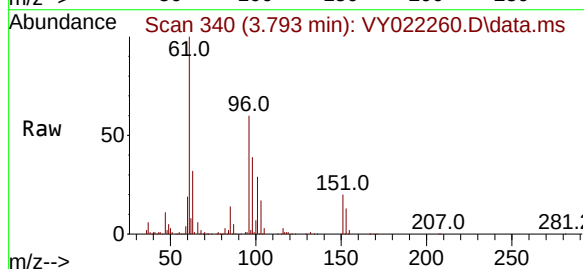
Tgt Ion: 96 Resp: 139180

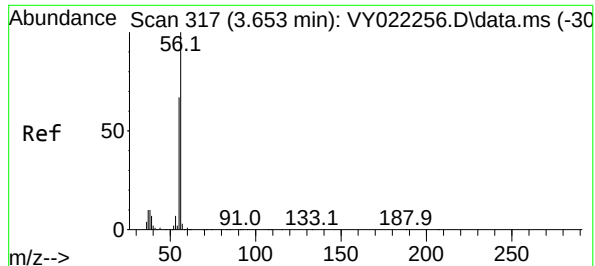
Ion Ratio Lower Upper

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

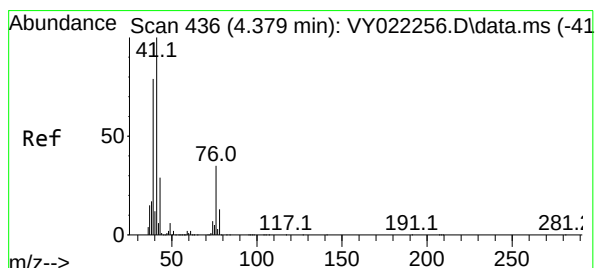
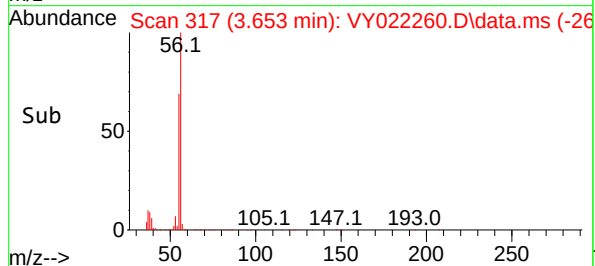
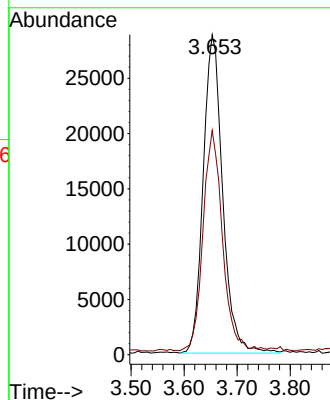
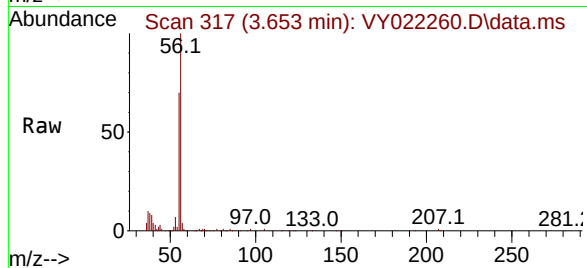
56 100

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

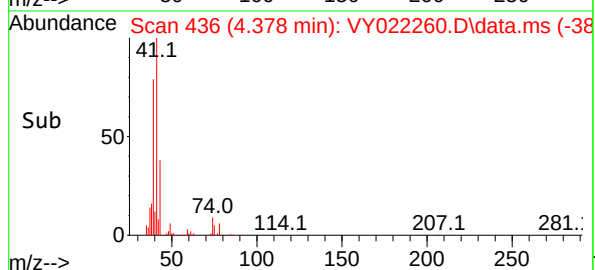
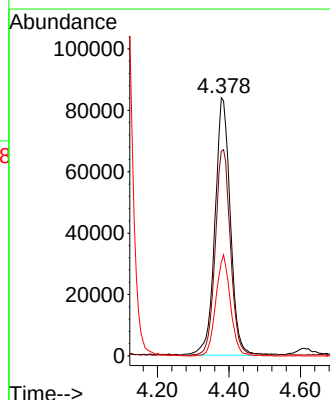
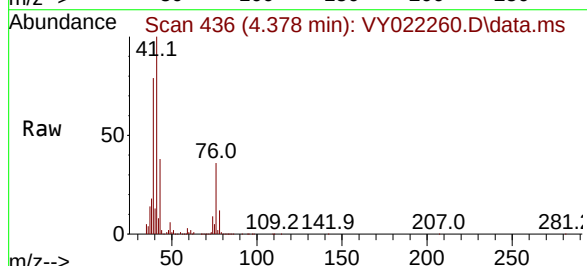
Tgt Ion: 41 Resp: 250342

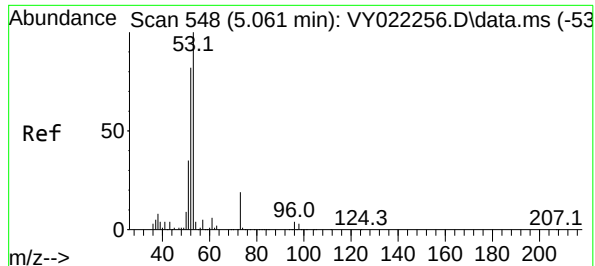
Ion Ratio Lower Upper

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 :

ICVY051525

Tgt Ion: 53 Resp: 16450

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

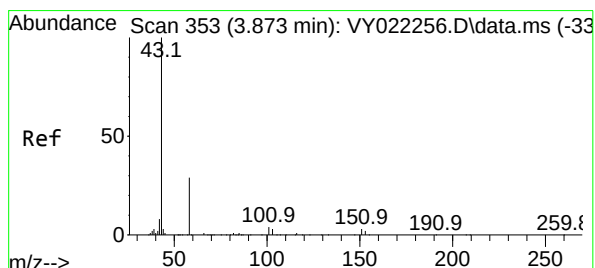
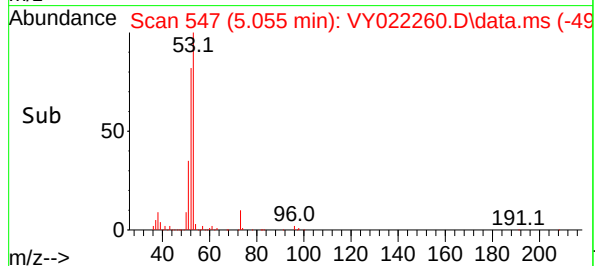
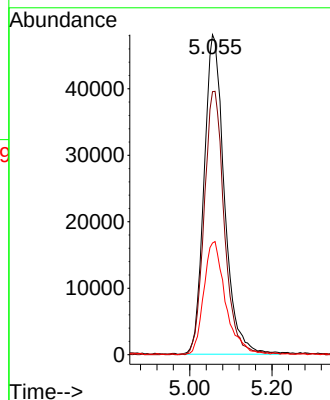
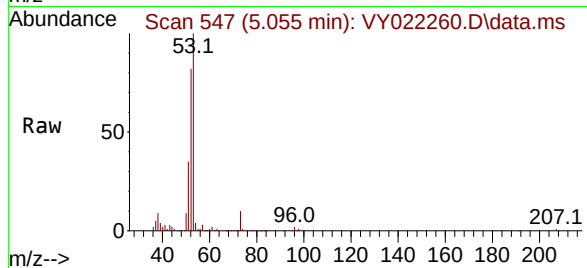
51 38.2 30.0 45.0

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

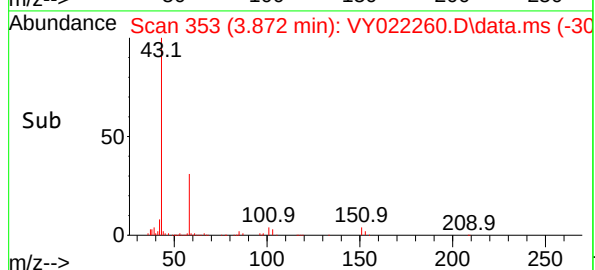
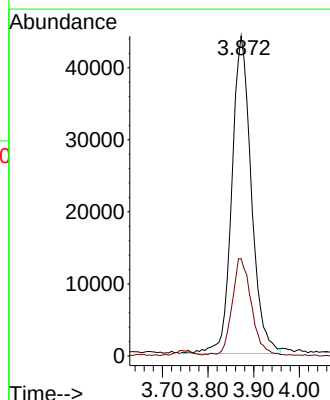
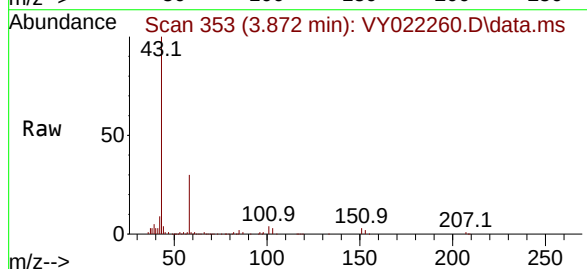
Acq: 15 May 2025 13:20

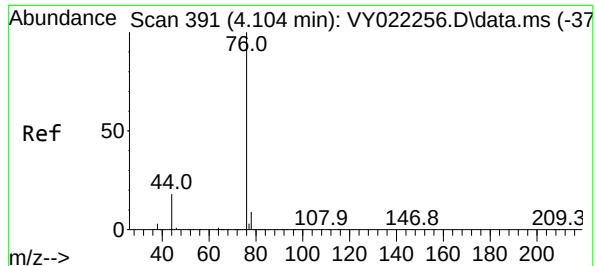
Tgt Ion: 43 Resp: 130848

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

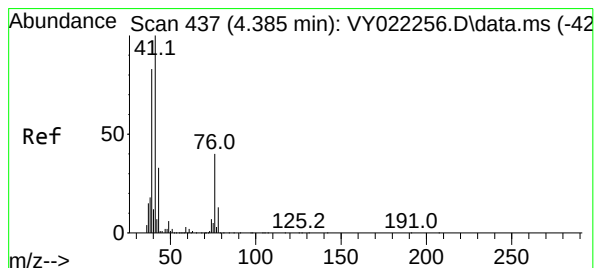
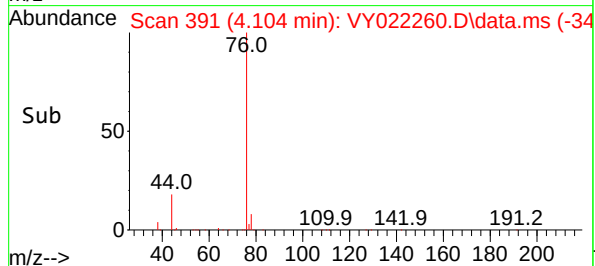
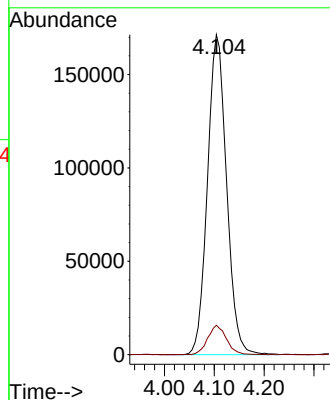
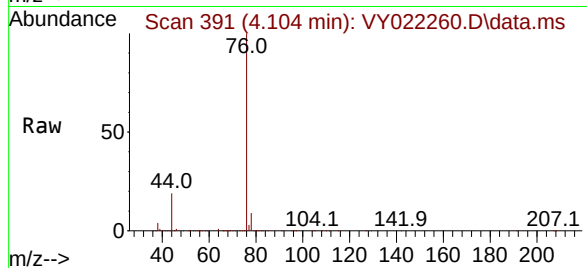
76 100

78 9.2 7.2 10.8

Manual Integrations

APPROVED

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

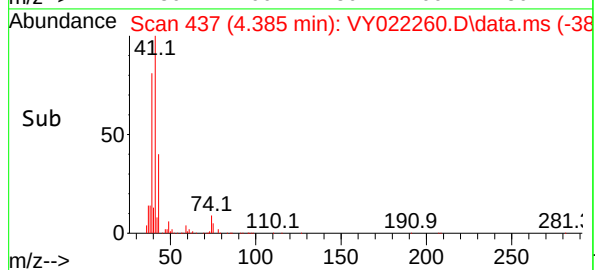
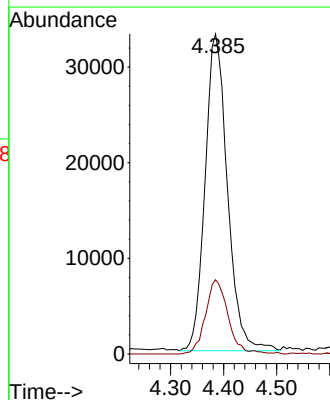
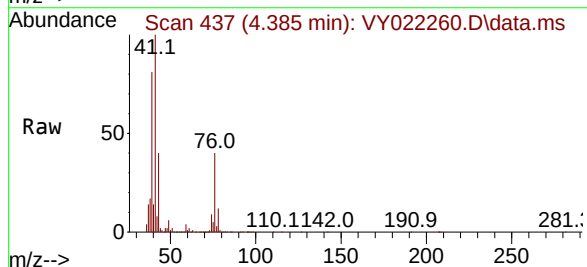
Acq: 15 May 2025 13:20

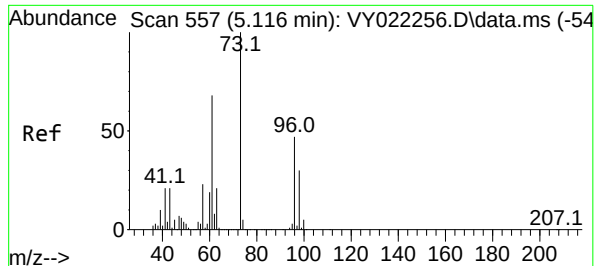
Tgt Ion: 43 Resp: 97091

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

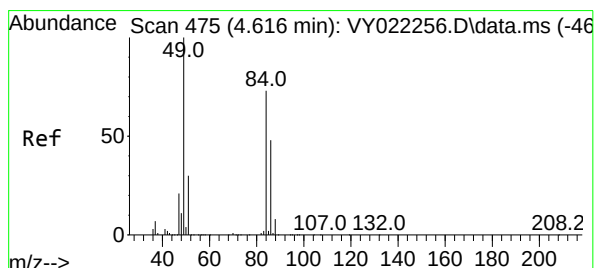
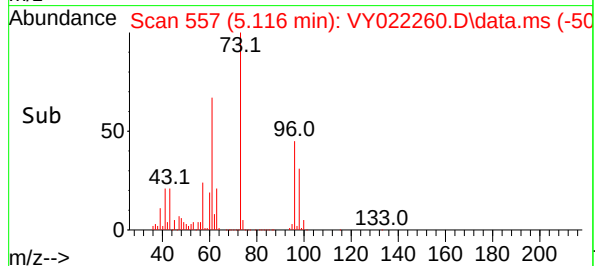
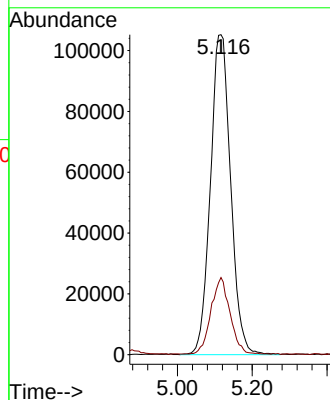
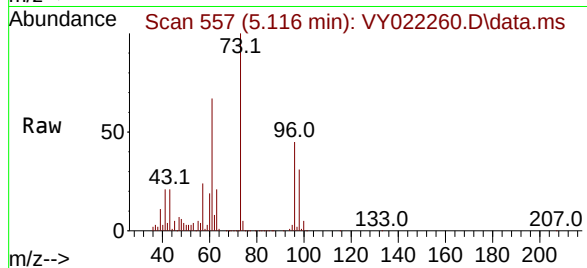
73 100

57 24.0 18.6 28.0

Manual Integrations

APPROVED

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

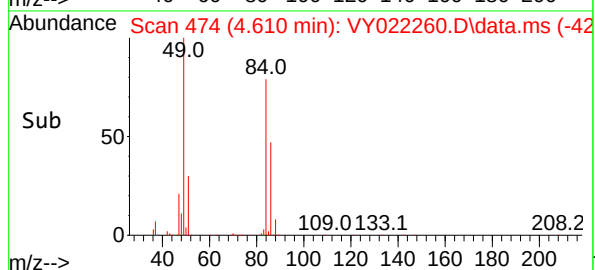
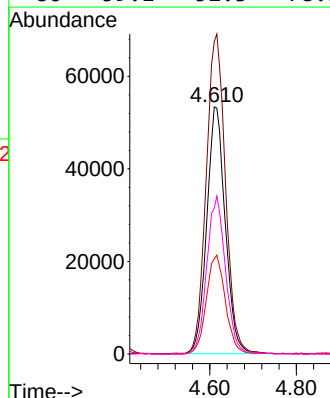
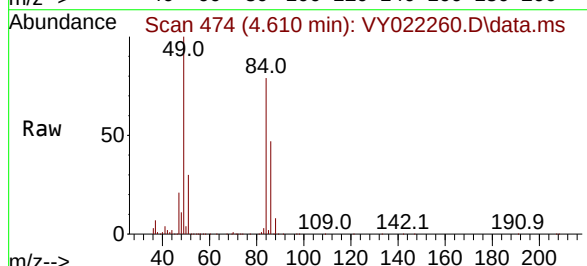
Ion Ratio Lower Upper

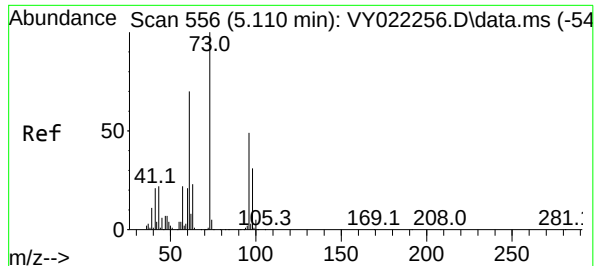
84 100

49 126.6 109.6 164.4

51 38.5 32.4 48.6

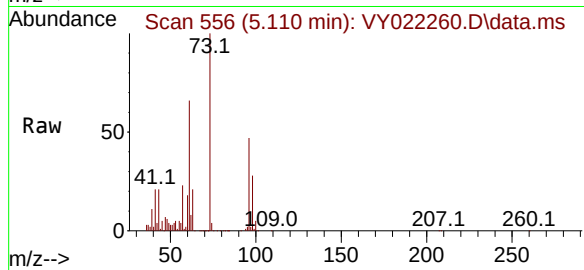
86 59.1 52.3 78.5





#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

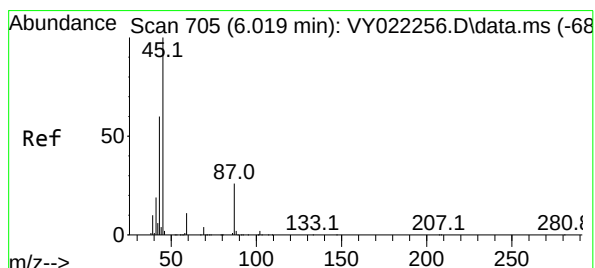
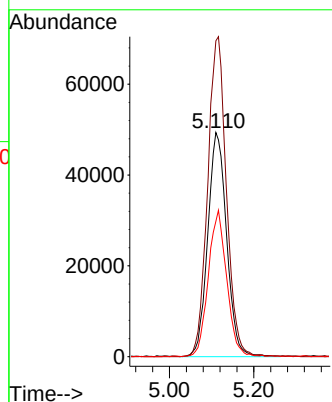
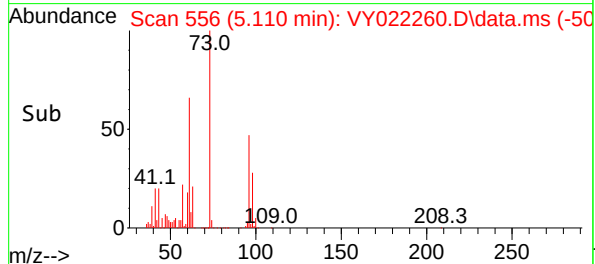
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



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

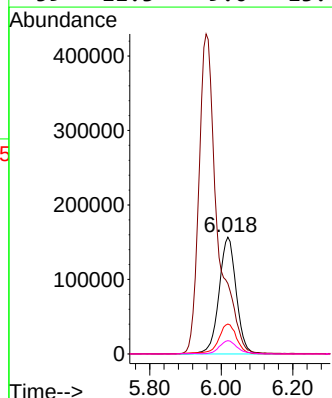
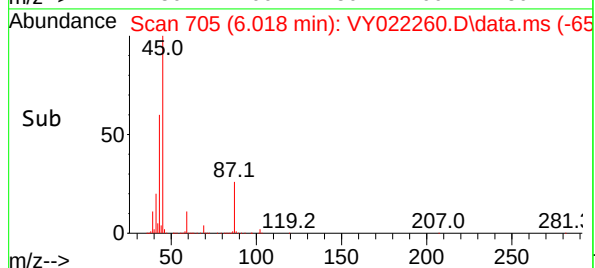
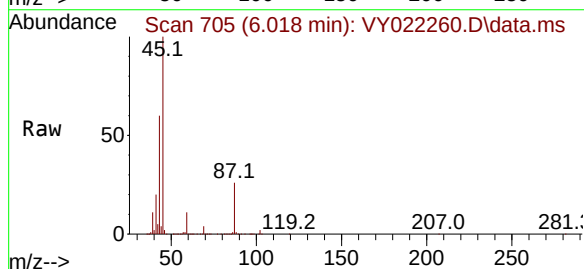
Manual Integrations
APPROVED

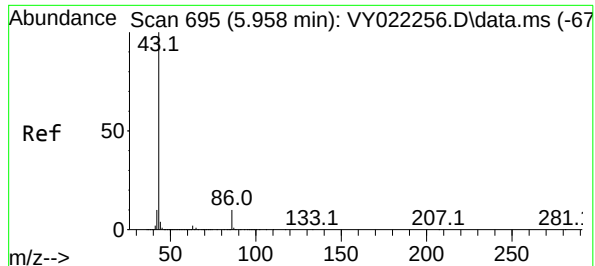
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

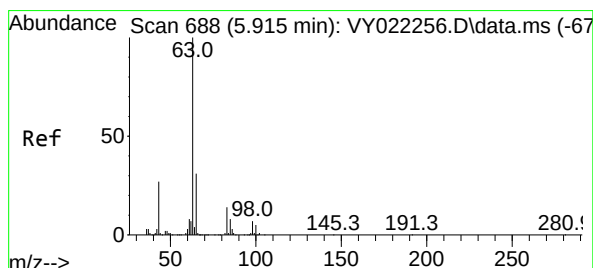
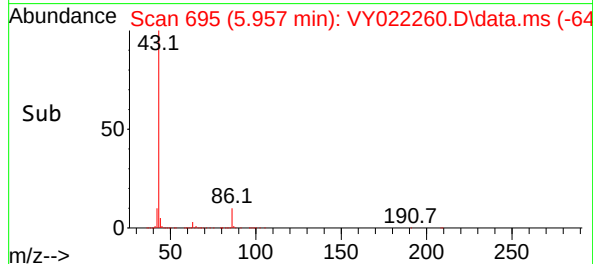
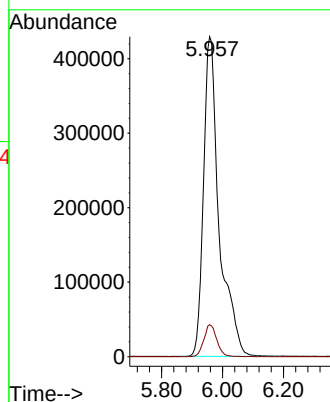
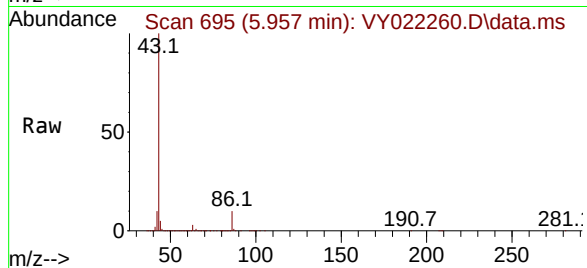
Ion Ratio Lower Upper

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

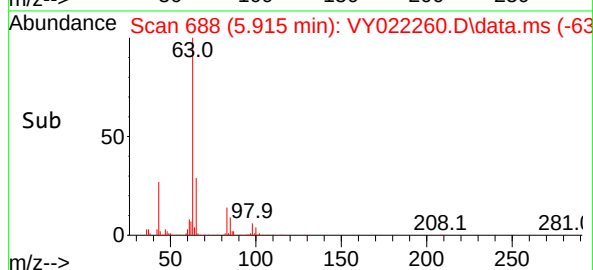
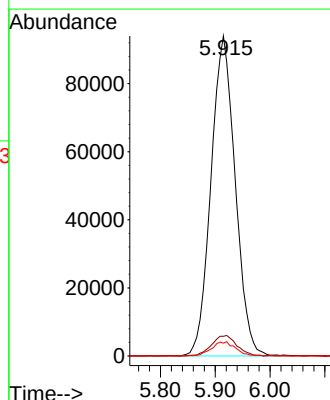
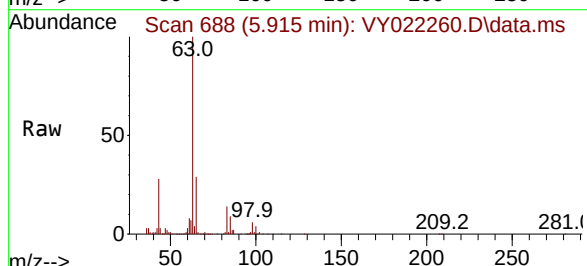
Tgt Ion: 63 Resp: 288933

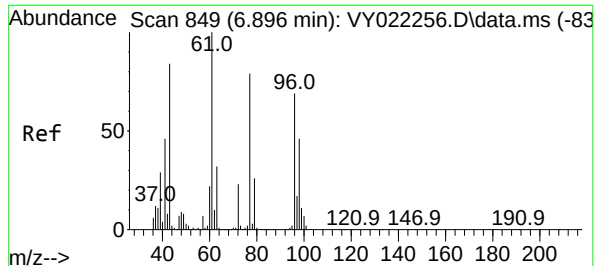
Ion Ratio Lower Upper

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: 22170

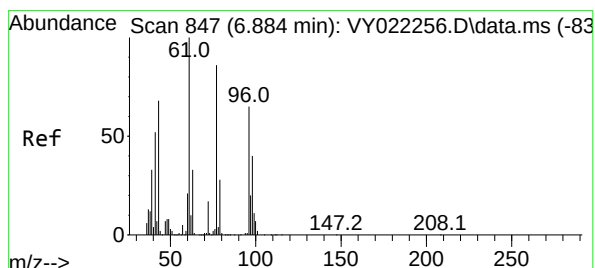
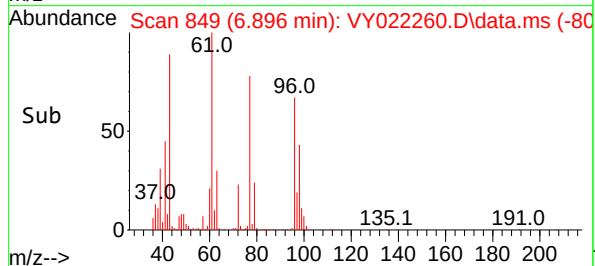
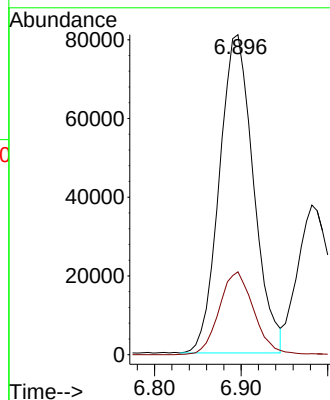
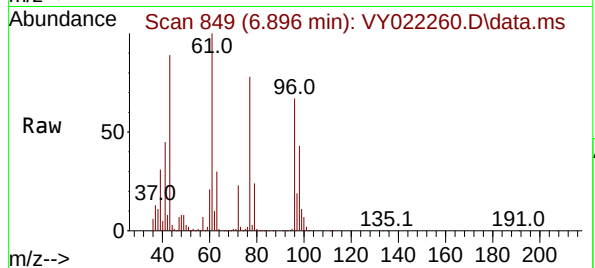
Ion Ratio Lower Upper

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

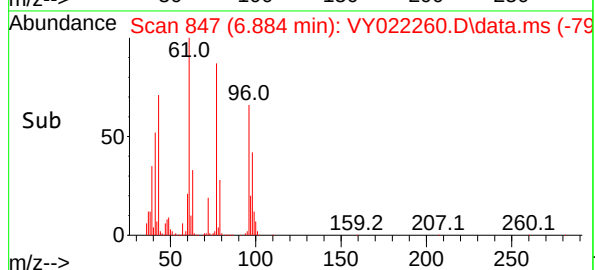
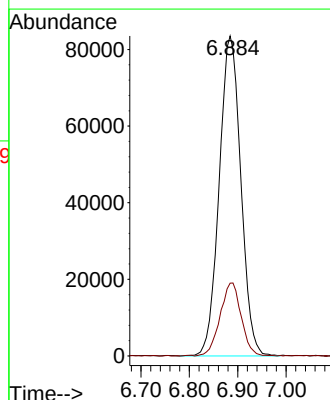
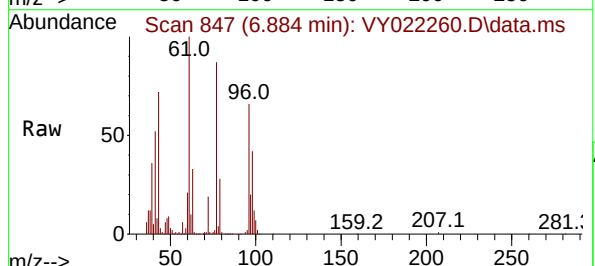
Acq: 15 May 2025 13:20

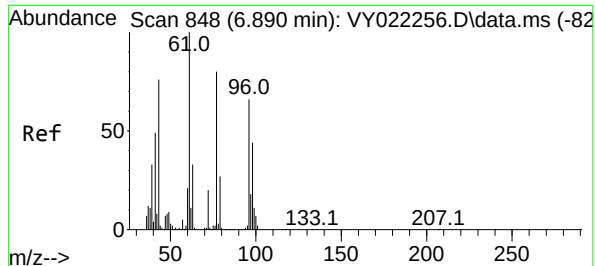
Tgt Ion: 77 Resp: 259587

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

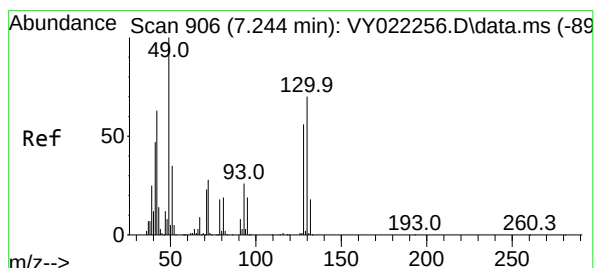
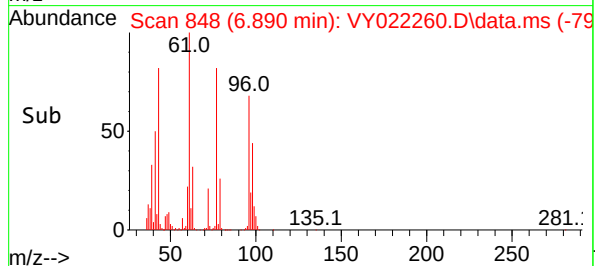
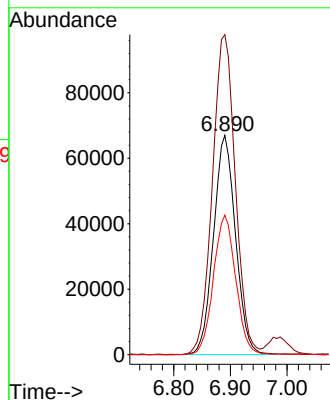
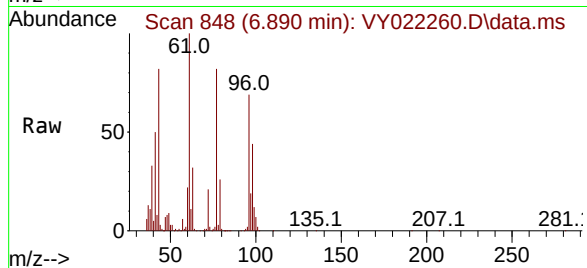
96 100

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

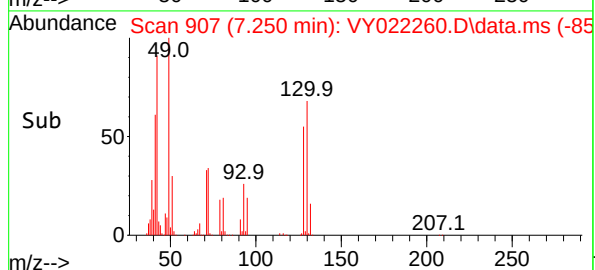
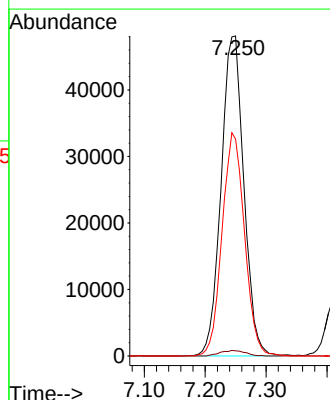
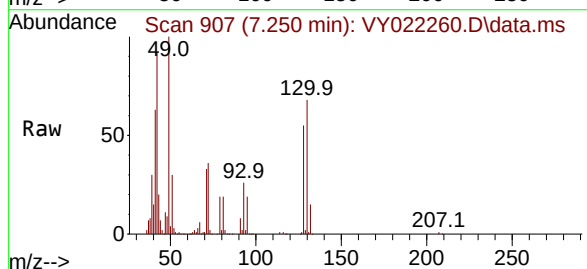
Tgt Ion: 49 Resp: 124761

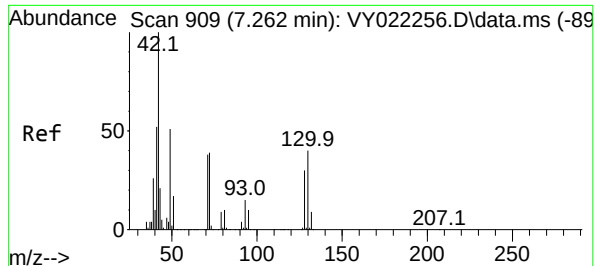
Ion Ratio Lower Upper

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

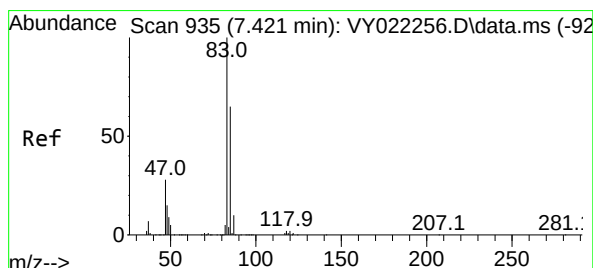
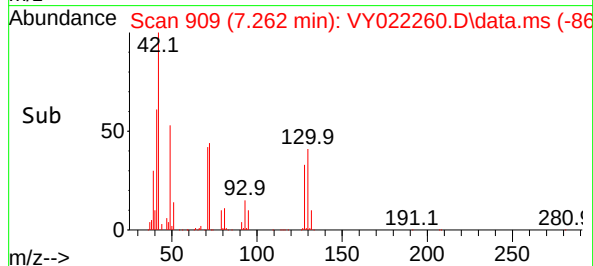
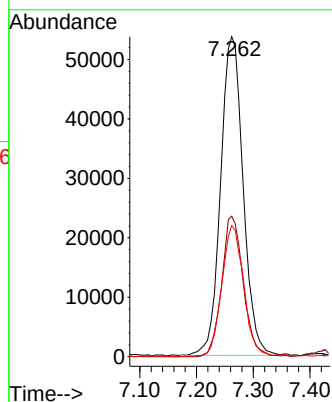
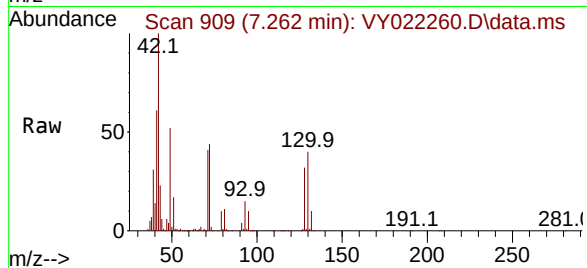
71 40.1 31.5 47.3

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

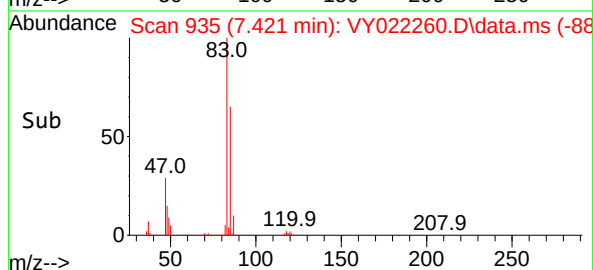
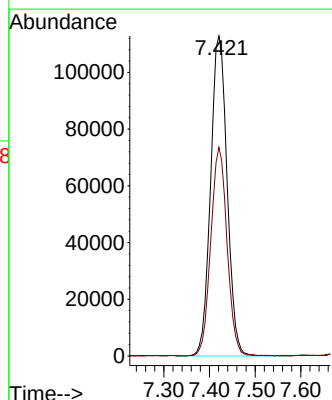
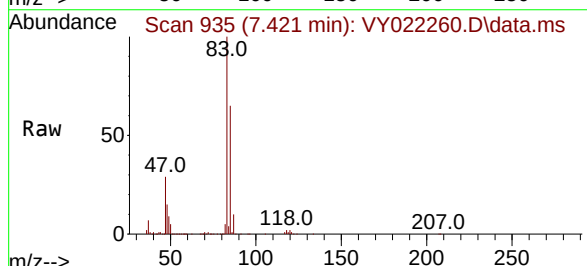
Acq: 15 May 2025 13:20

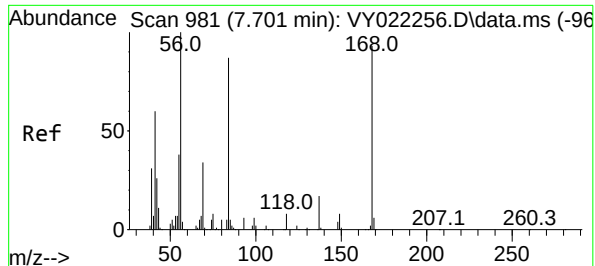
Tgt Ion: 83 Resp: 283264

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

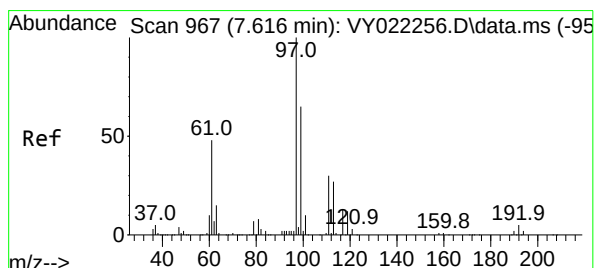
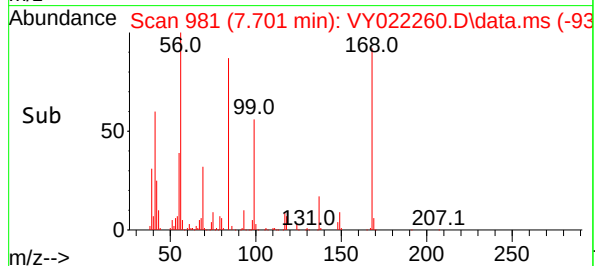
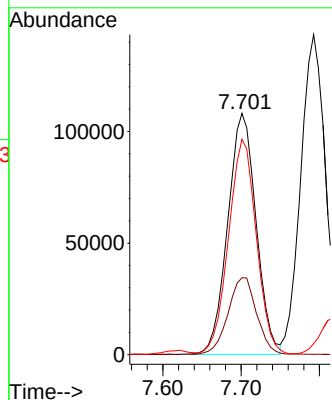
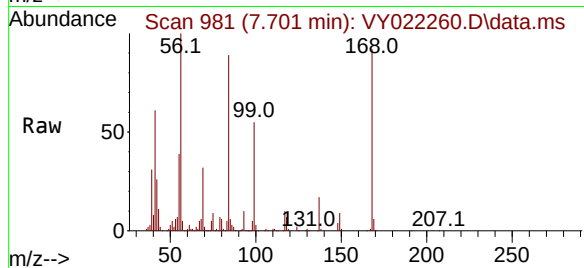
56 100

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

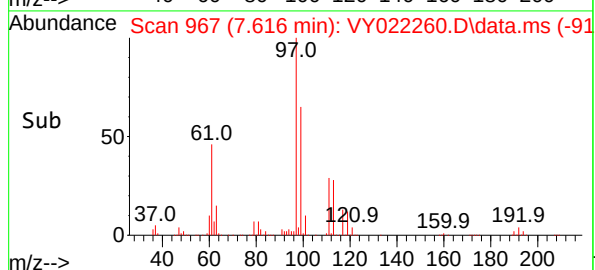
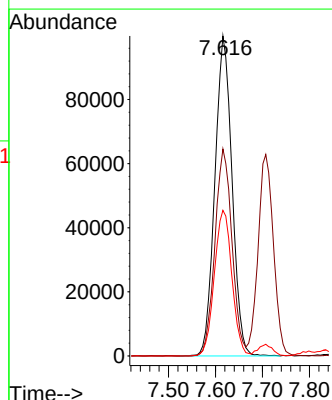
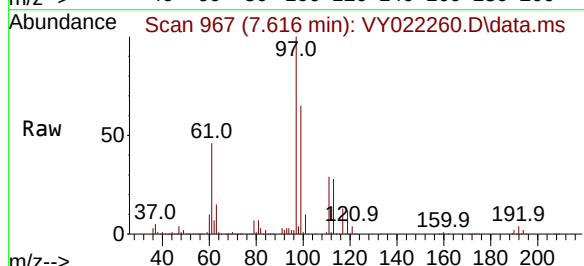
Tgt Ion: 97 Resp: 253549

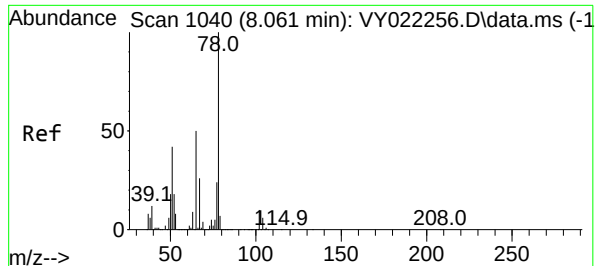
Ion Ratio Lower Upper

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

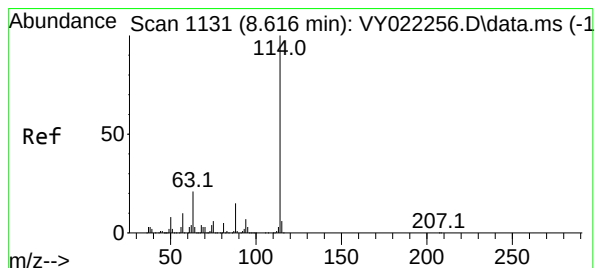
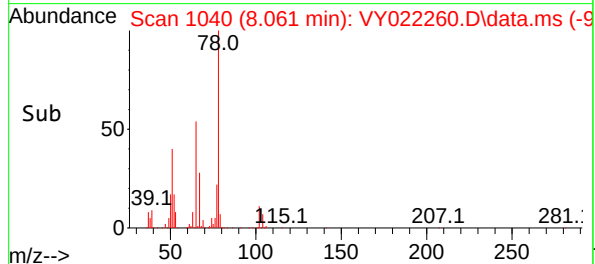
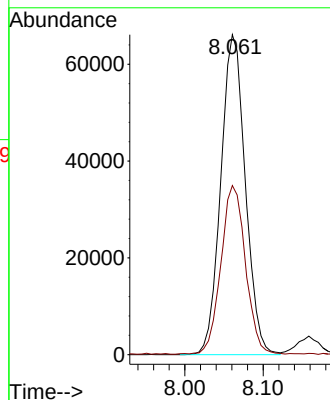
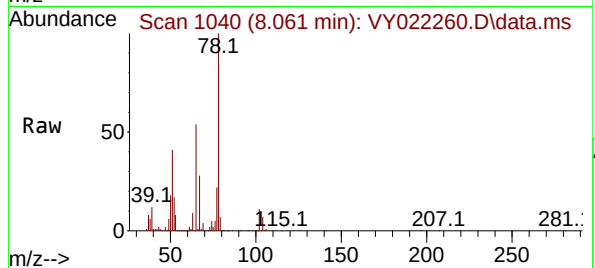
Ion Ratio Lower Upper

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

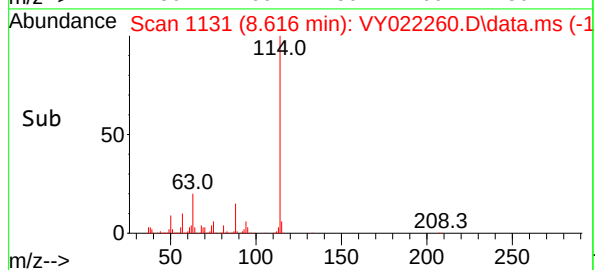
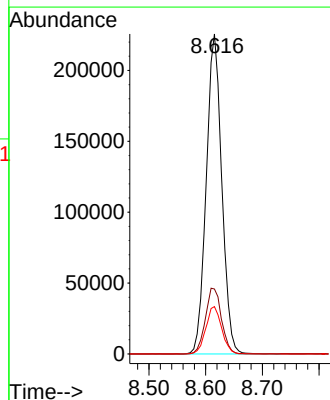
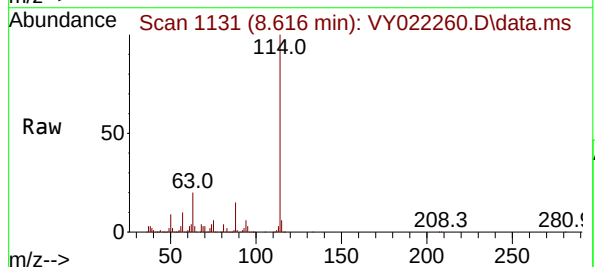
Tgt Ion:114 Resp: 428969

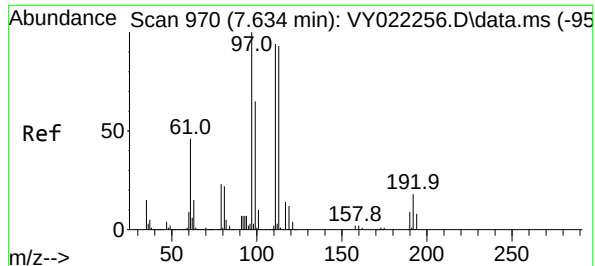
Ion Ratio Lower Upper

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

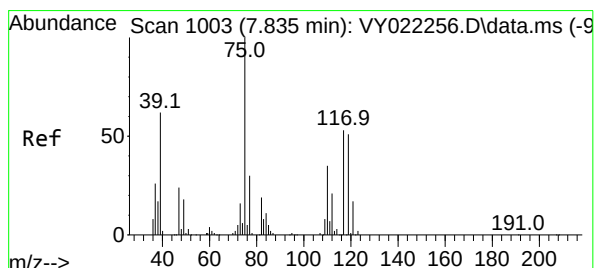
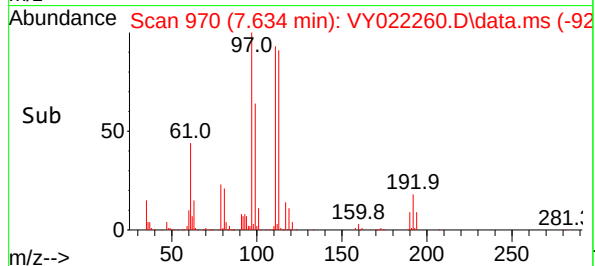
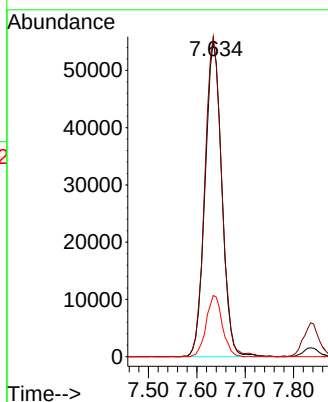
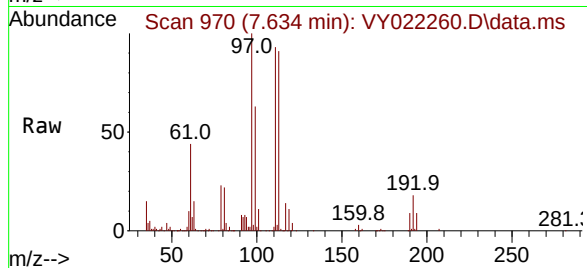
192 18.7 15.2 22.8

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

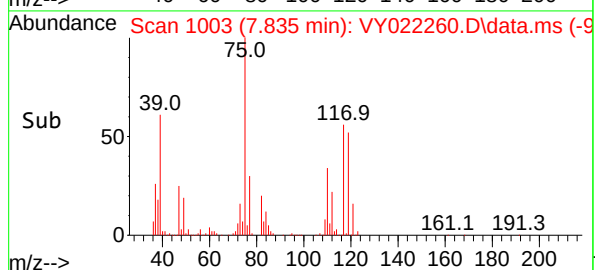
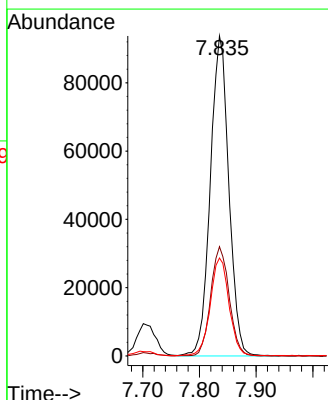
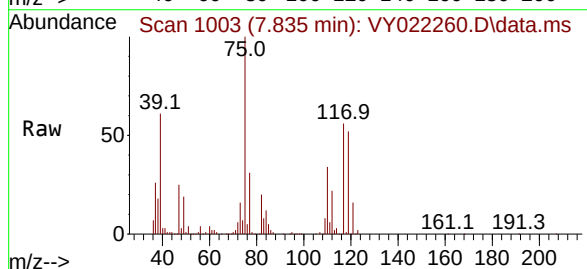
Tgt Ion: 75 Resp: 212786

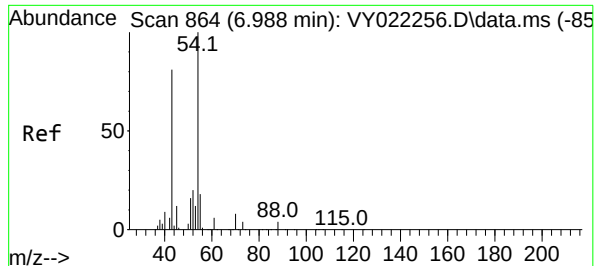
Ion Ratio Lower Upper

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

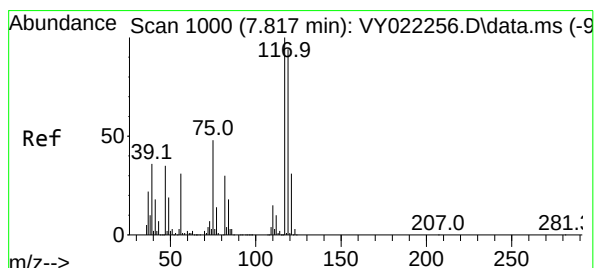
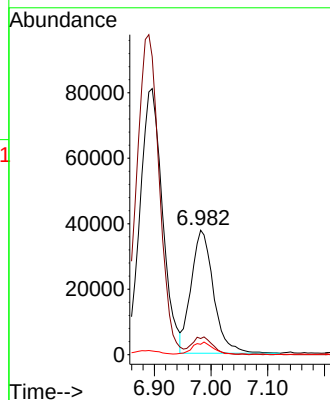
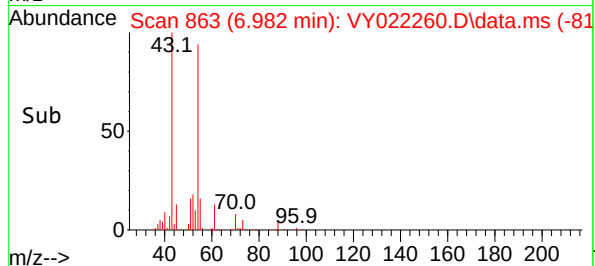
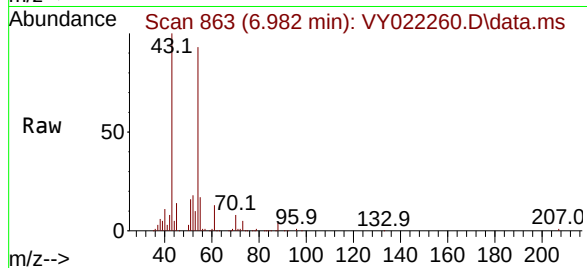
61 13.9 10.2 15.2

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

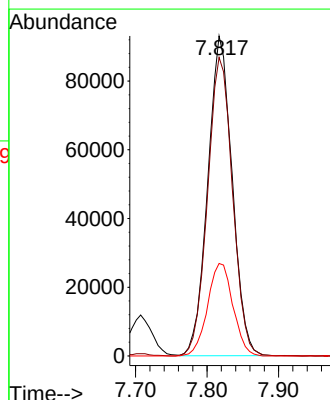
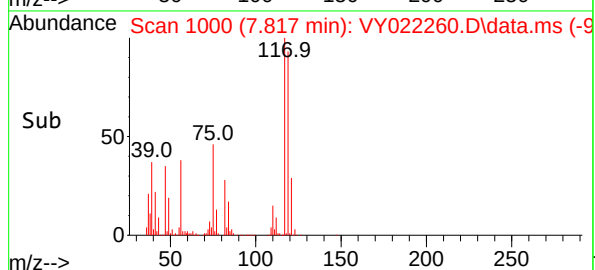
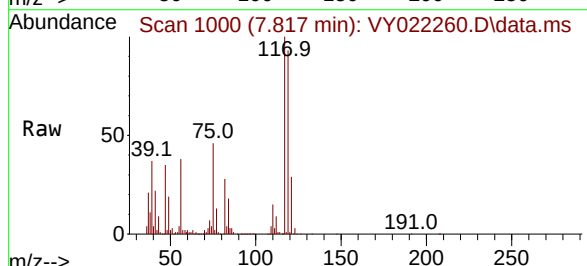
Tgt Ion:117 Resp: 220636

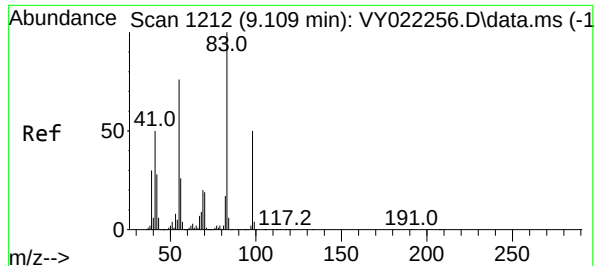
Ion Ratio Lower Upper

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

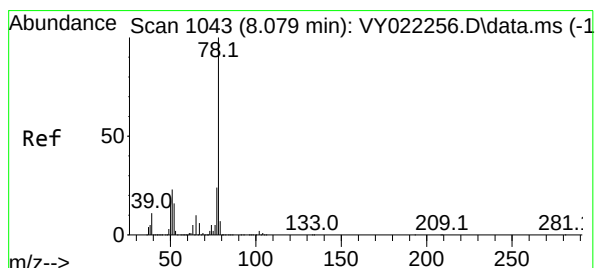
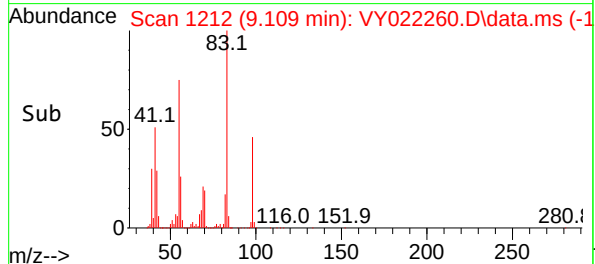
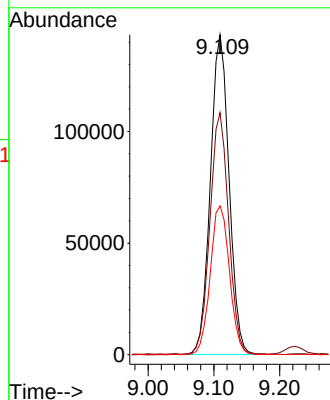
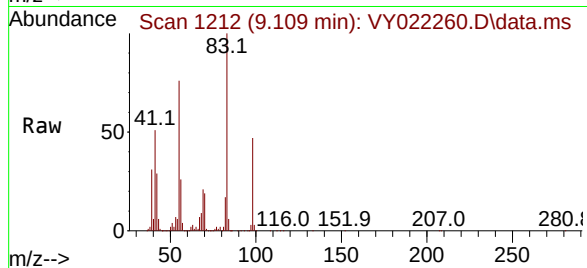
83 100

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

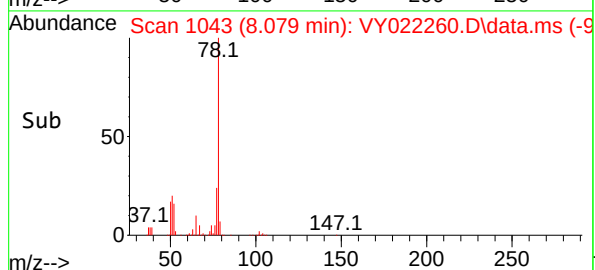
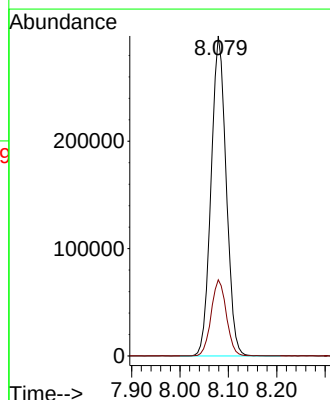
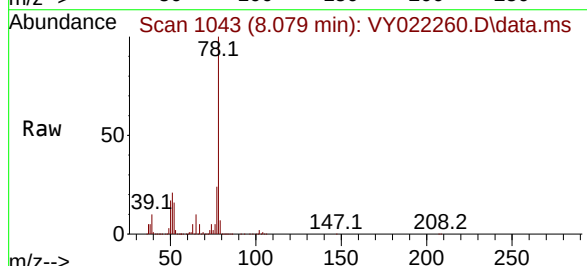
Acq: 15 May 2025 13:20

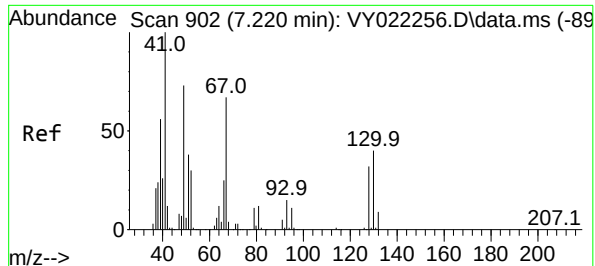
Tgt Ion: 78 Resp: 646289

Ion Ratio Lower Upper

78 100

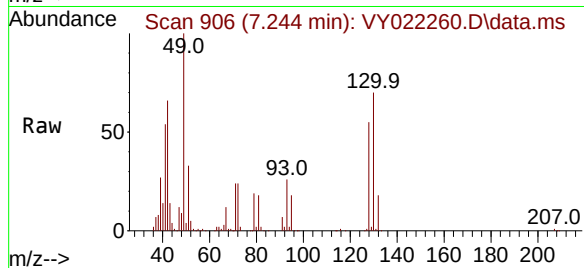
77 23.8 18.9 28.3





#41
Methacrylonitrile
Concen: 53.599 ug/l m
RT: 7.244 min Scan# 902
Delta R.T. 0.024 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

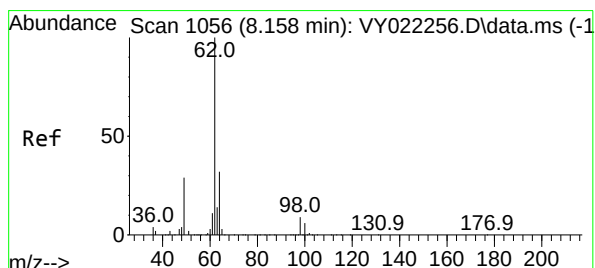
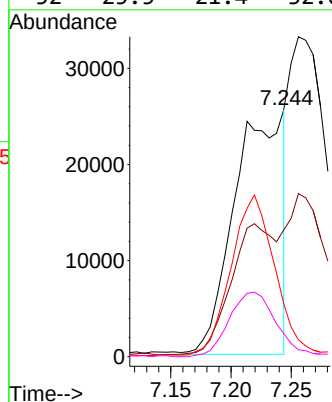
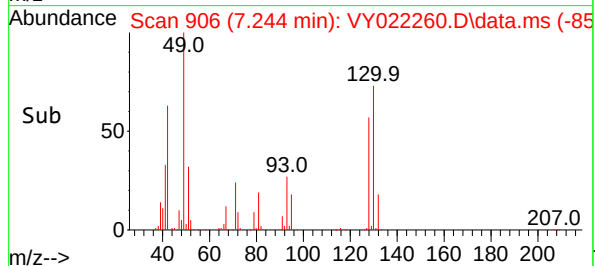
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

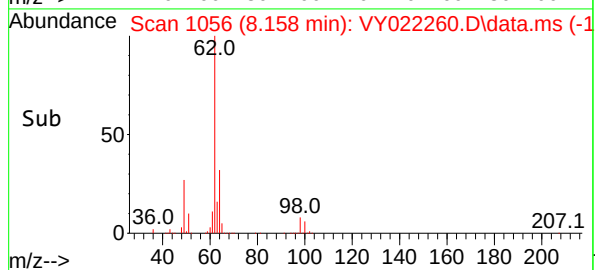
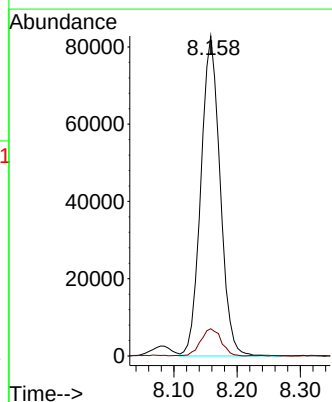
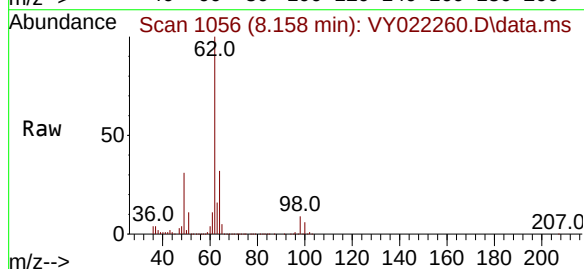
Manual Integrations
APPROVED

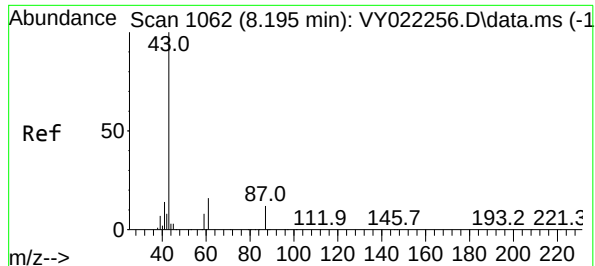
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

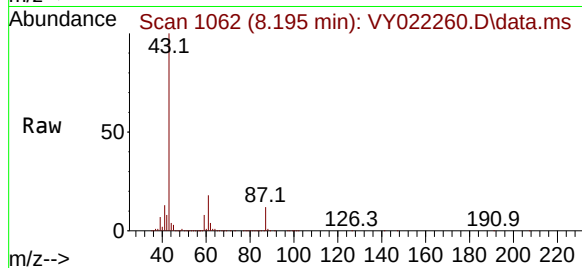
Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525

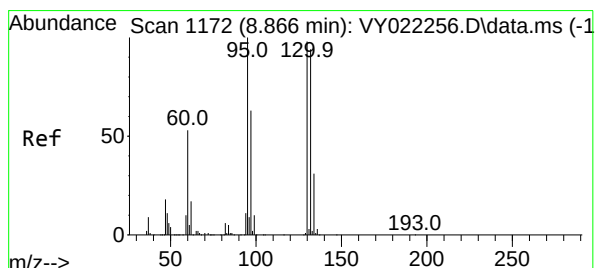
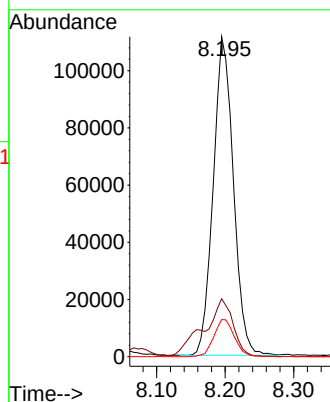
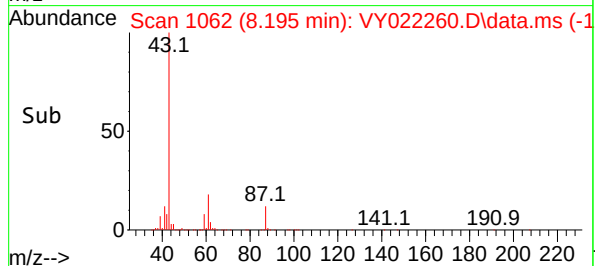


Tgt Ion:	43	Resp:	22752
Ion	Ratio	Lower	Upper
43	100		
61	26.5	15.1	22.7
87	11.9	9.7	14.5

Manual Integrations

APPROVED

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



#44

Trichloroethene

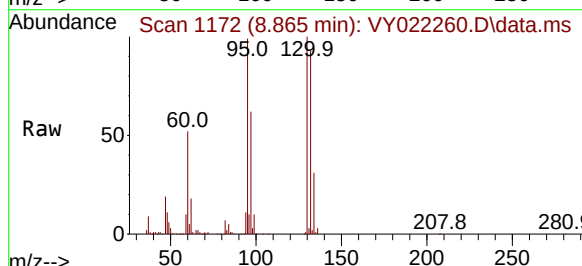
Concen: 50.335 ug/l

RT: 8.865 min Scan# 1172

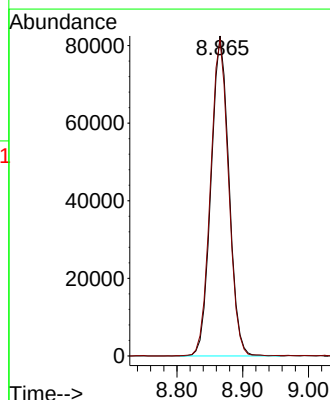
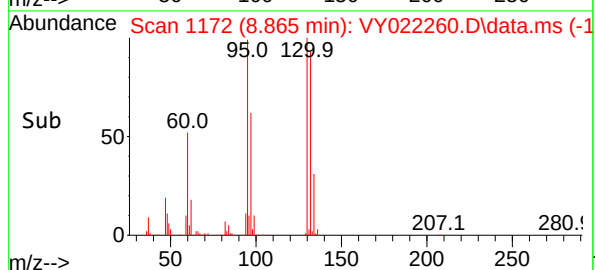
Delta R.T. -0.000 min

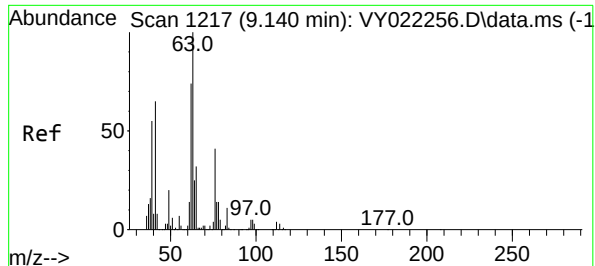
Lab File: VY022260.D

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

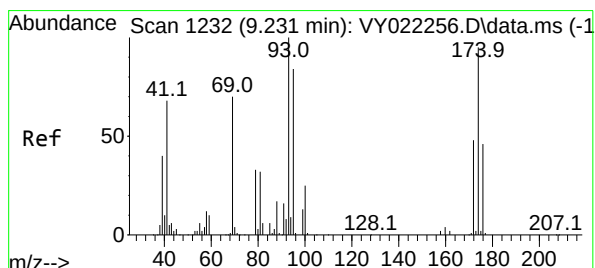
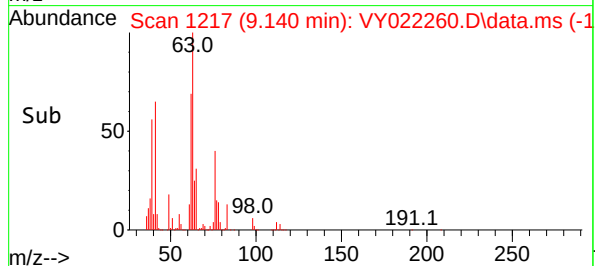
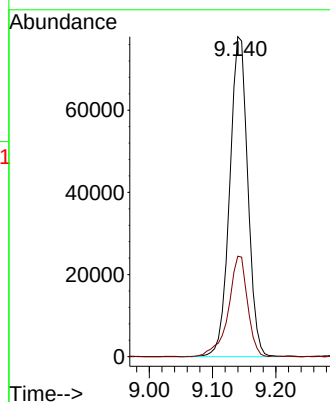
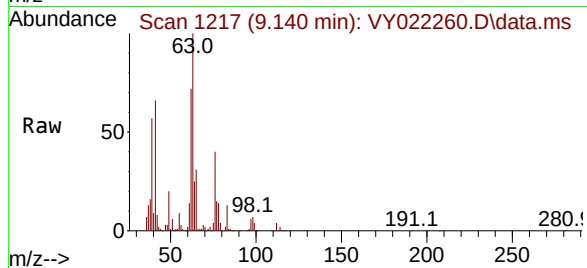
63 100

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

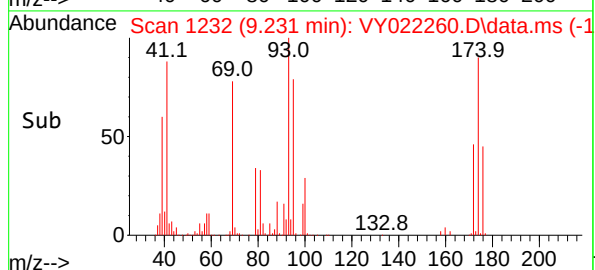
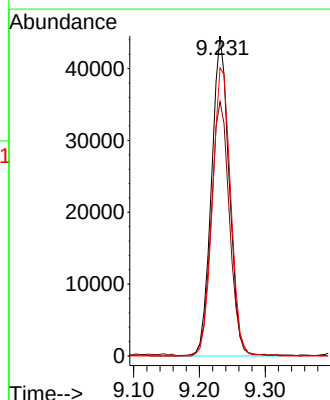
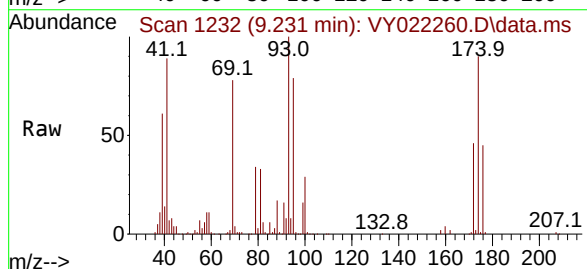
Tgt Ion: 93 Resp: 83597

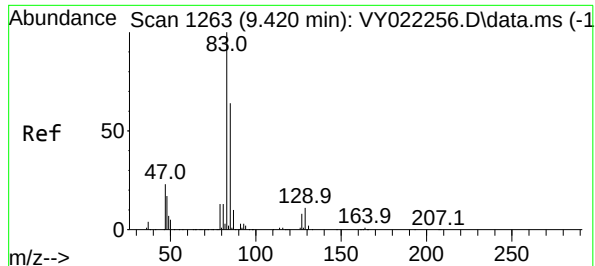
Ion Ratio Lower Upper

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: 221440

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

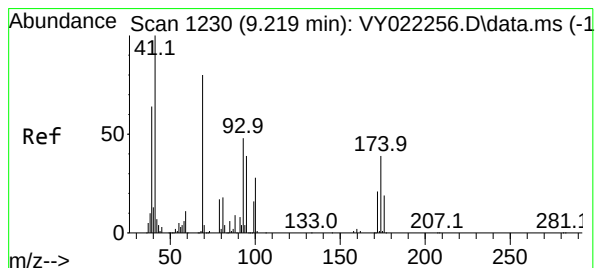
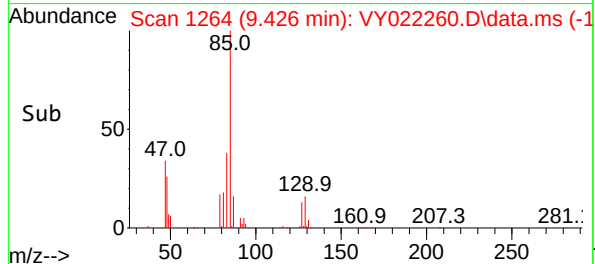
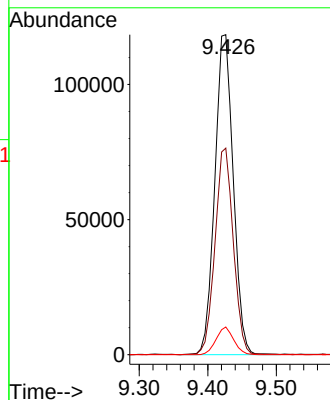
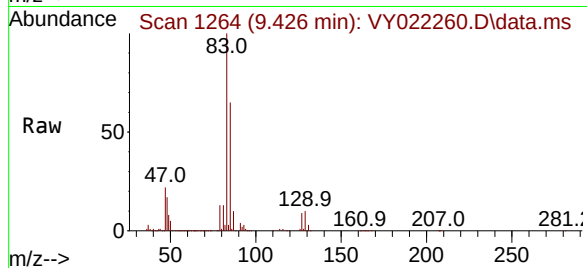
127 8.6 6.6 10.0

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

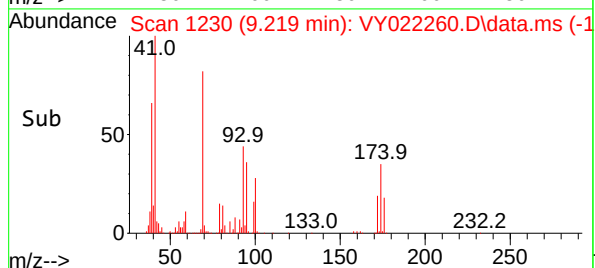
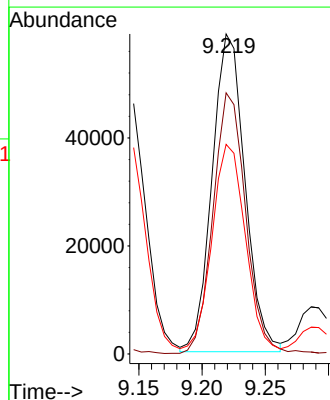
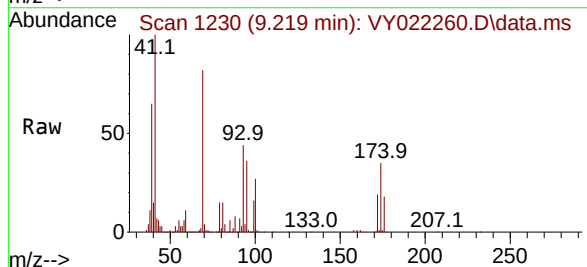
Tgt Ion: 41 Resp: 106283

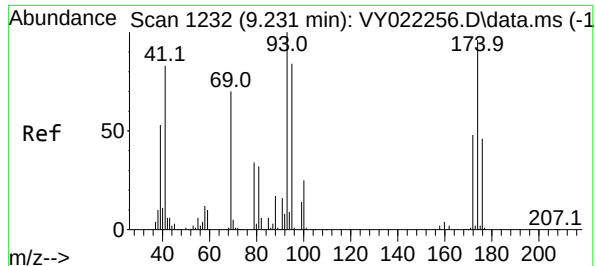
Ion Ratio Lower Upper

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

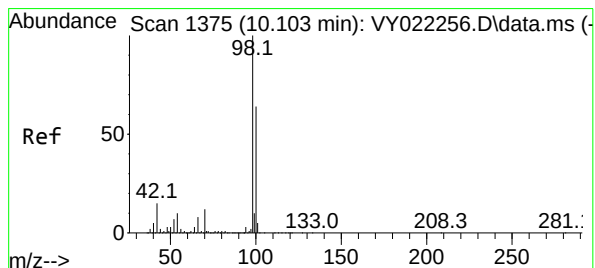
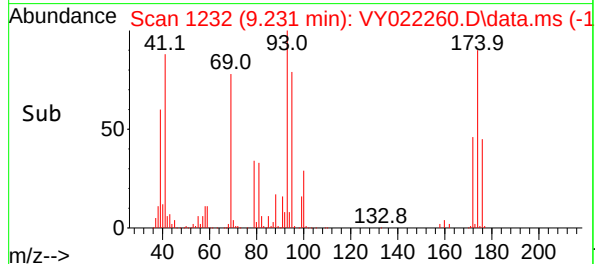
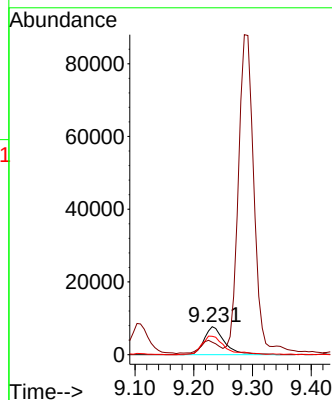
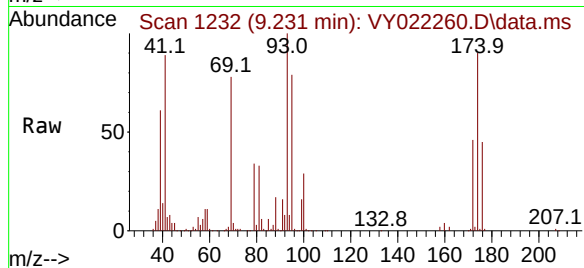
88 100

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

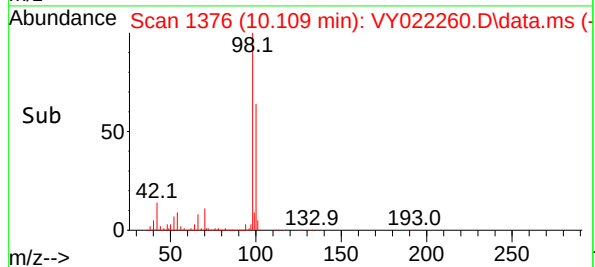
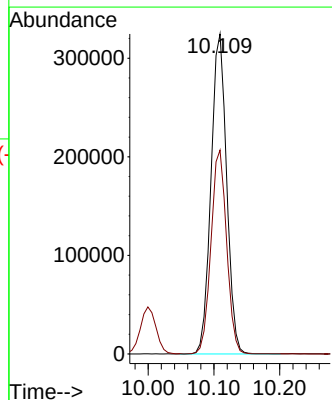
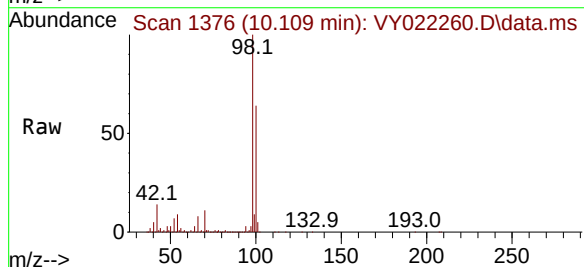
Acq: 15 May 2025 13:20

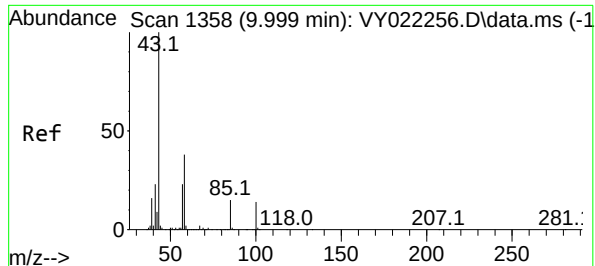
Tgt Ion: 98 Resp: 537188

Ion Ratio Lower Upper

98 100

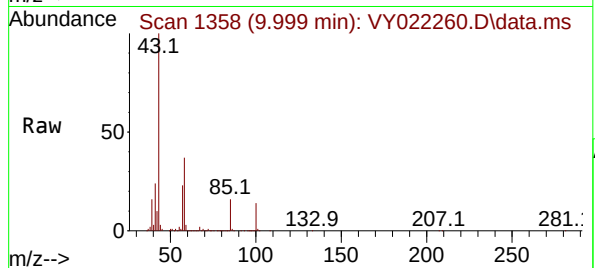
100 63.6 51.8 77.8





#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

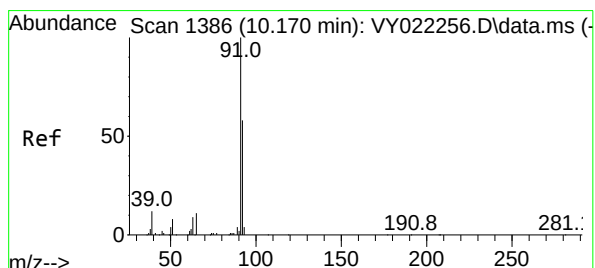
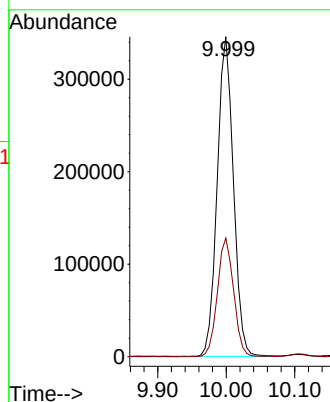
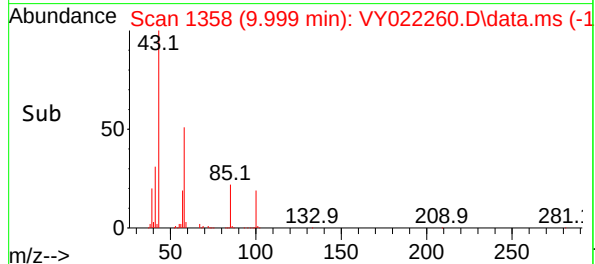
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 43 Resp: 56772
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.2

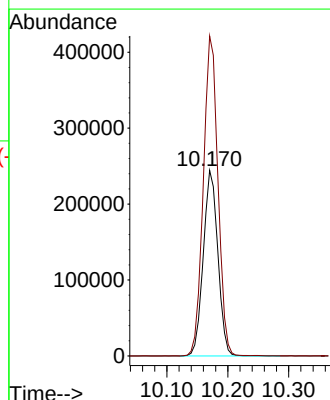
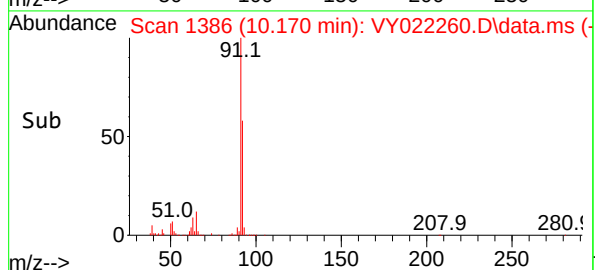
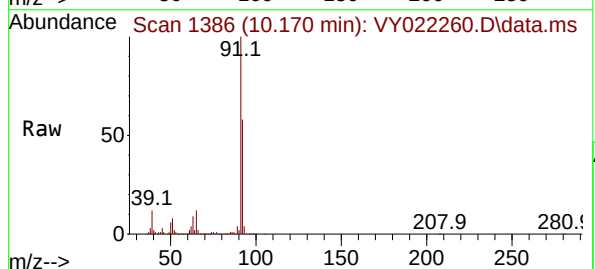
Manual Integrations
APPROVED

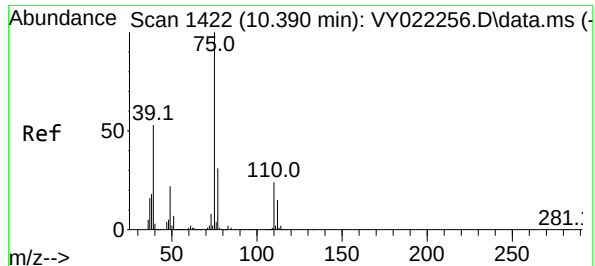
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

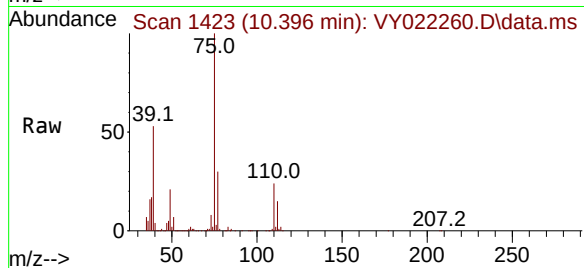
Tgt Ion: 92 Resp: 406420
Ion Ratio Lower Upper
92 100
91 173.0 139.1 208.7





#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

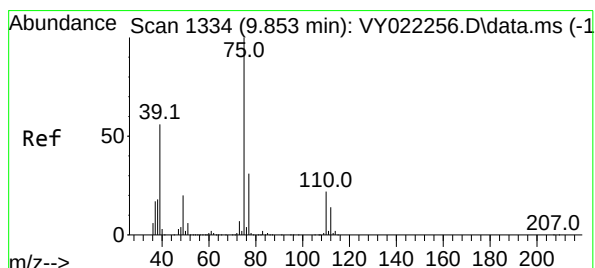
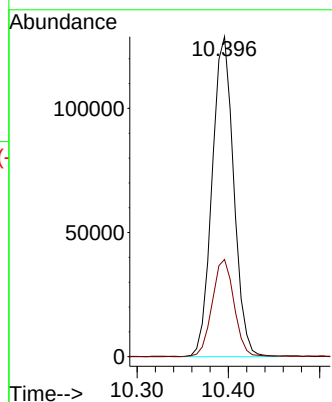
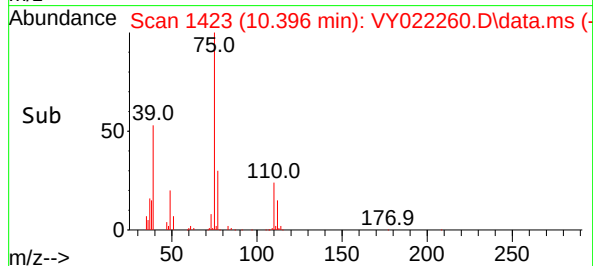
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion: 75 Resp: 211790
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.6

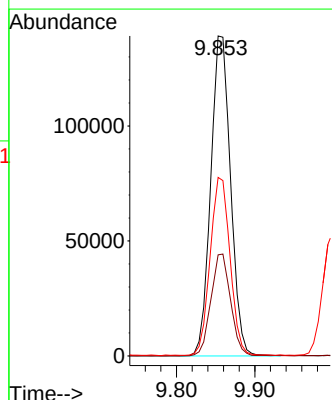
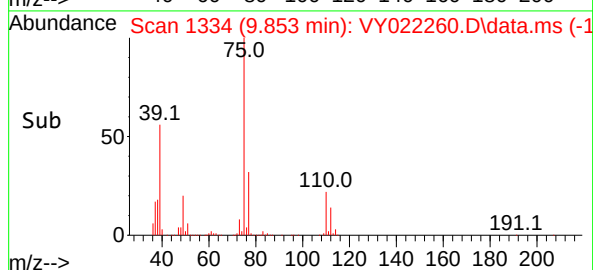
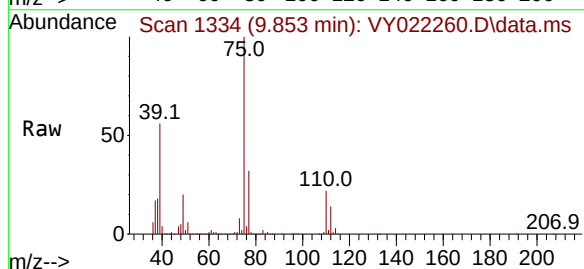
Manual Integrations
APPROVED

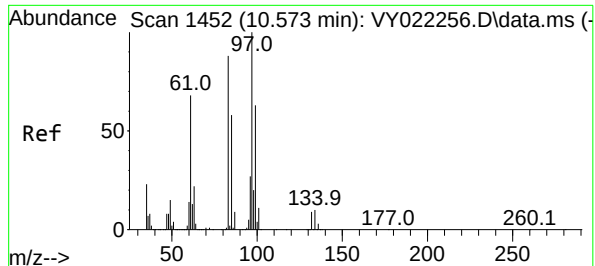
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

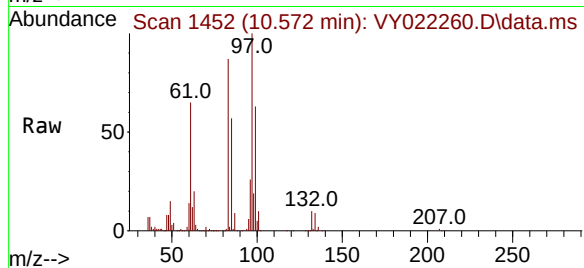
Tgt Ion: 75 Resp: 244811
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 55.6 44.5 66.7





#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

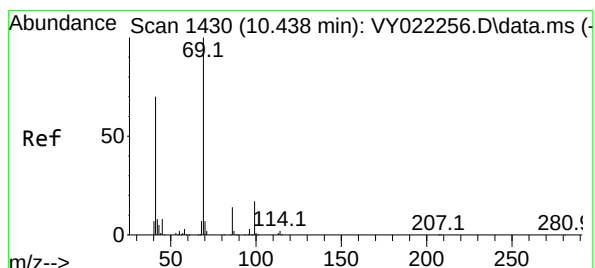
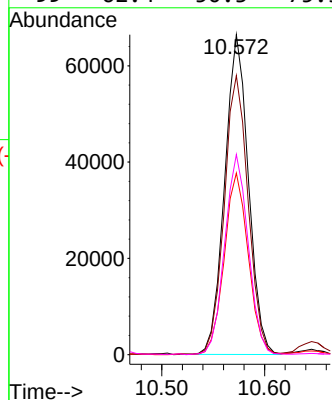
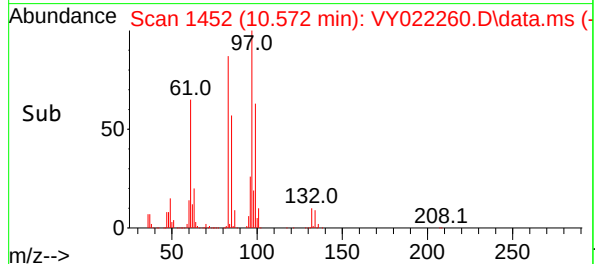
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

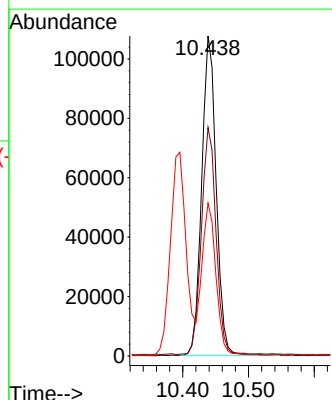
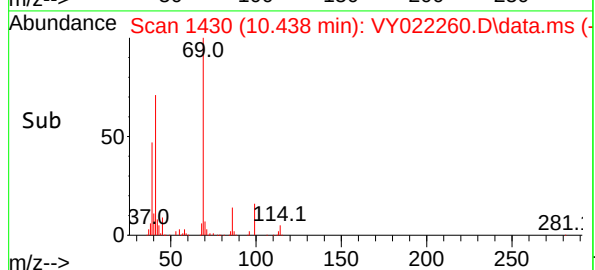
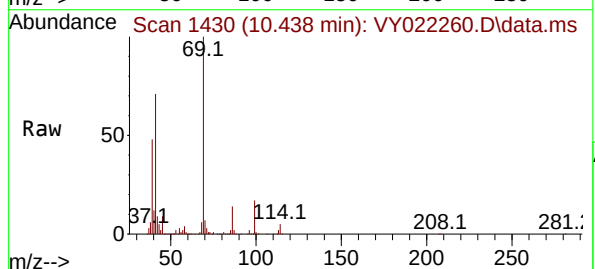
Manual Integrations
APPROVED

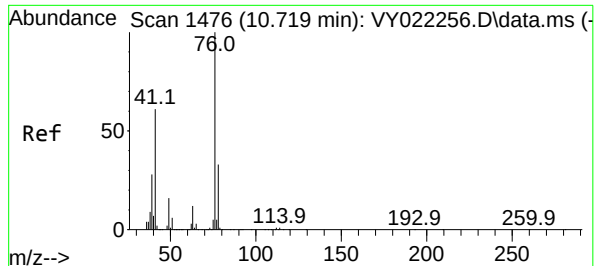
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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 :

ICVY051525

Tgt Ion: 76 Resp: 191889

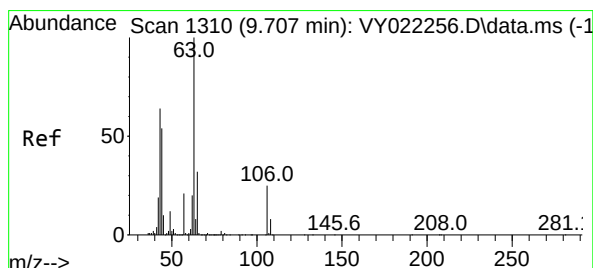
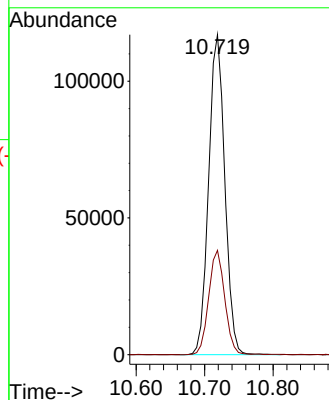
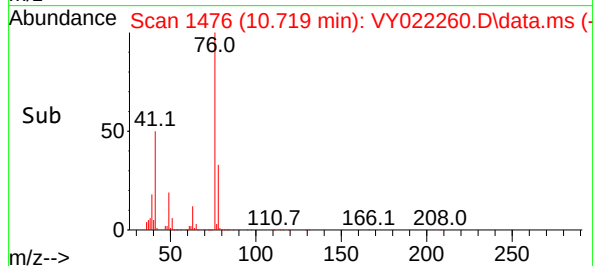
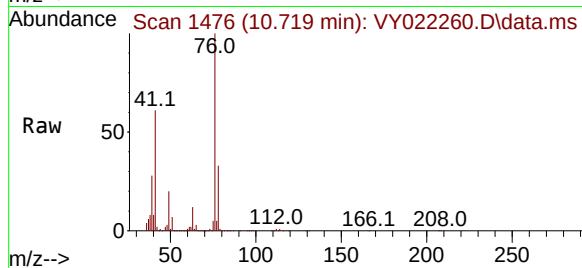
Ion Ratio Lower Upper

76 100

78 32.4 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: 271.104 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY022260.D

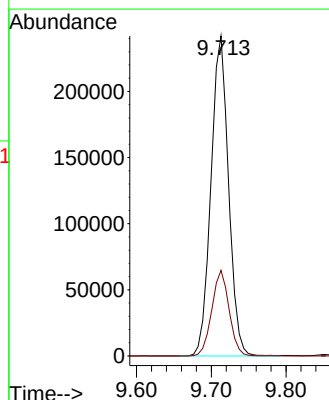
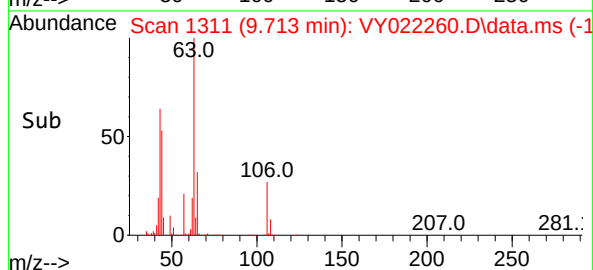
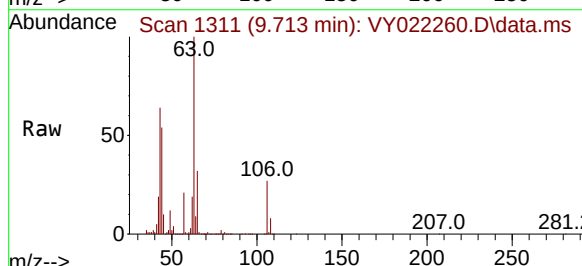
Acq: 15 May 2025 13:20

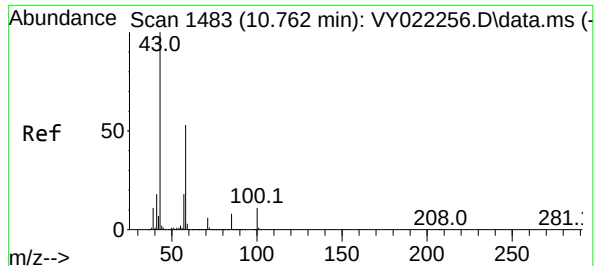
Tgt Ion: 63 Resp: 394587

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

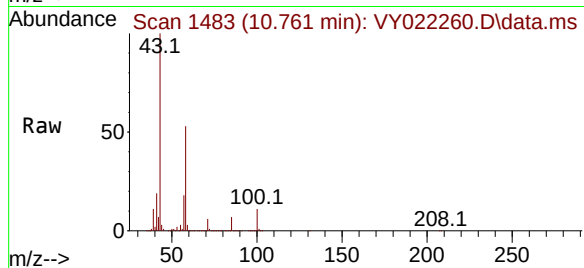
Acq: 15 May 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

ICVY051525



Tgt Ion: 43 Resp: 375224

Ion Ratio Lower Upper

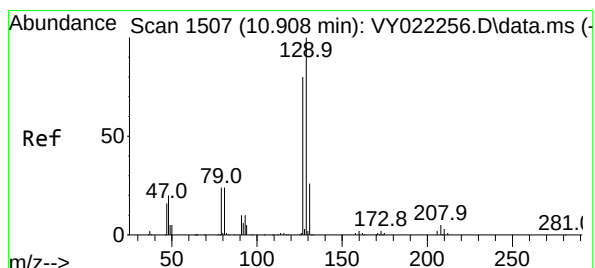
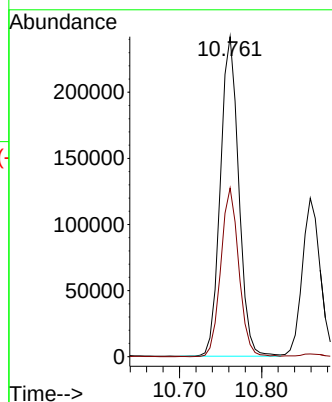
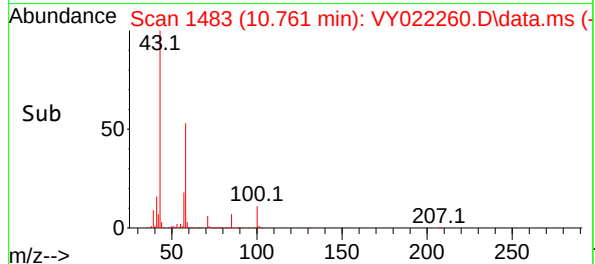
43 100

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

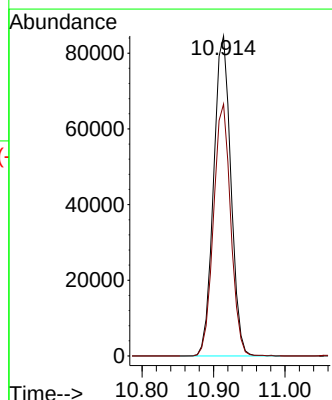
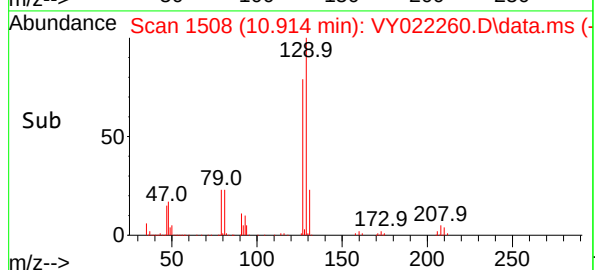
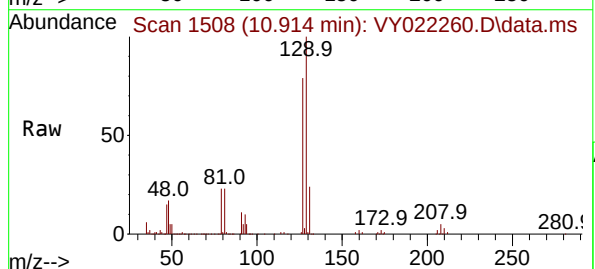
Acq: 15 May 2025 13:20

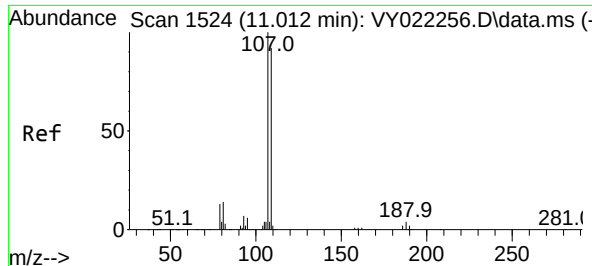
Tgt Ion:129 Resp: 141652

Ion Ratio Lower Upper

129 100

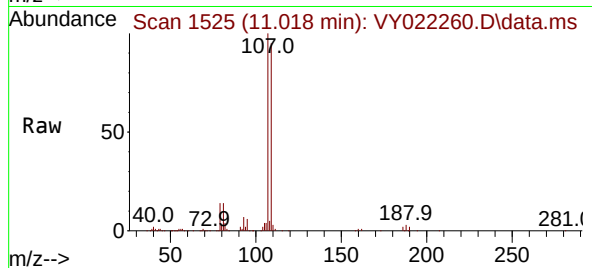
127 78.4 38.6 115.7





#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

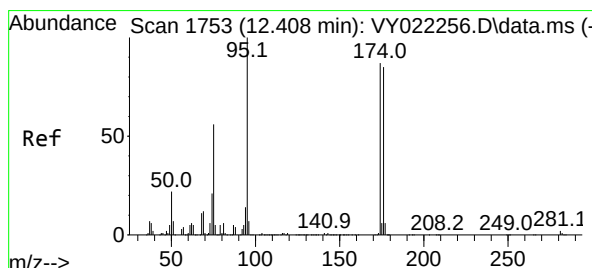
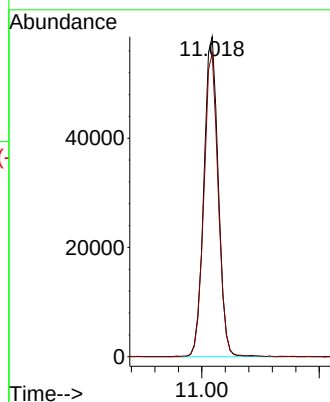
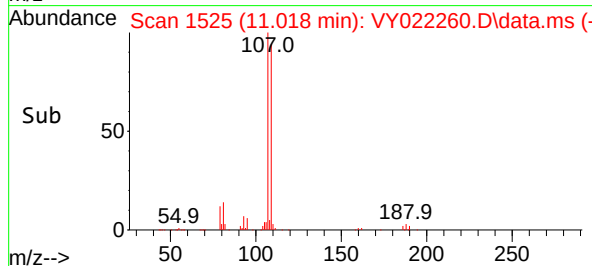
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



Tgt Ion:107 Resp: 9978
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8

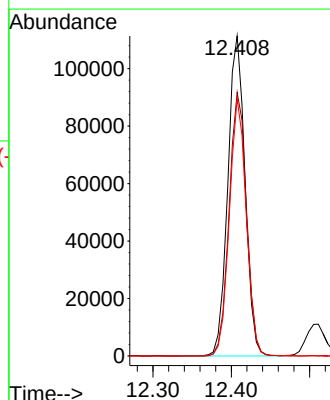
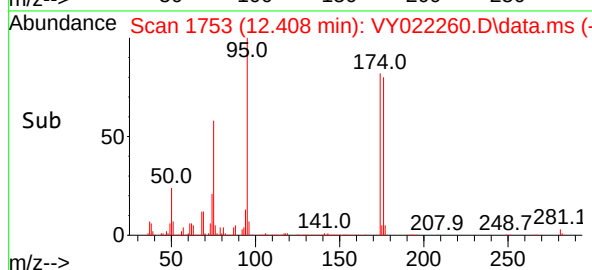
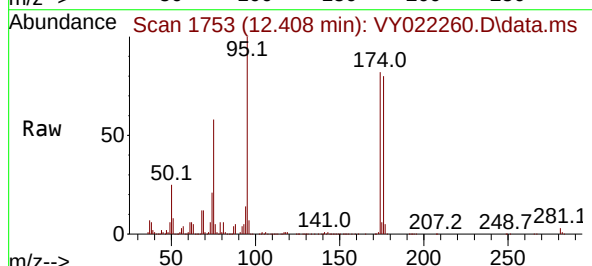
Manual Integrations
APPROVED

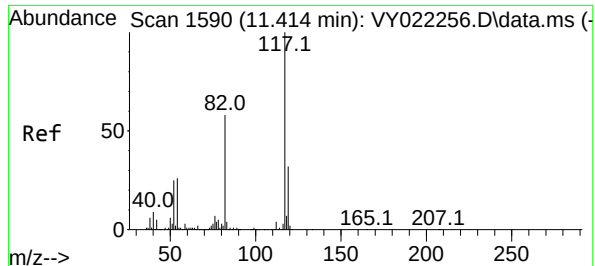
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

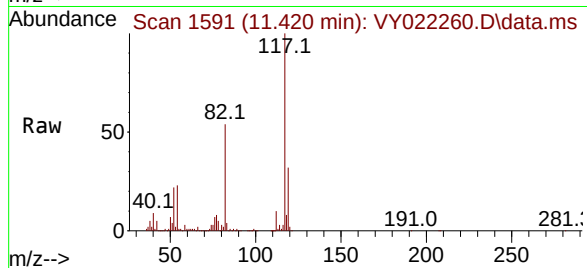
Tgt Ion: 95 Resp: 169575
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 79.1 0.0 160.8





#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

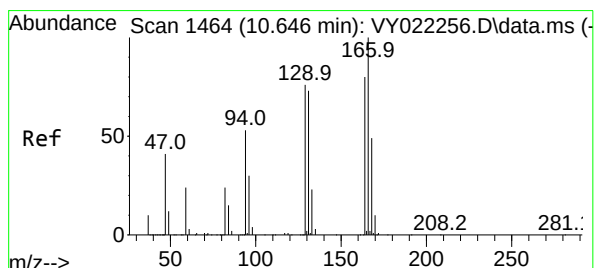
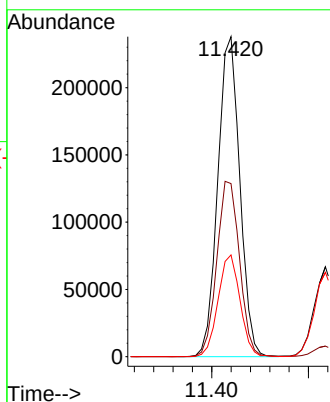
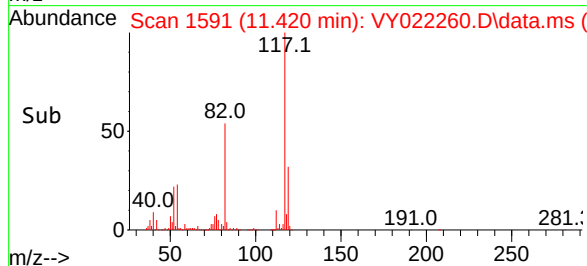
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



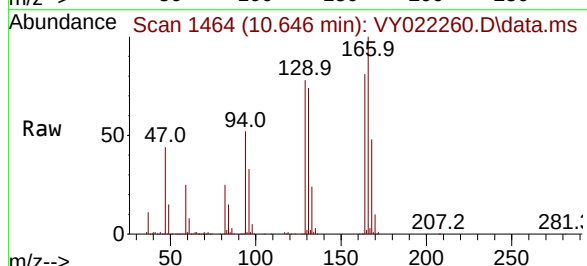
Tgt Ion:117 Resp: 375548
Ion Ratio Lower Upper
117 100
82 54.1 46.6 70.0
119 31.8 25.8 38.6

Manual Integrations
APPROVED

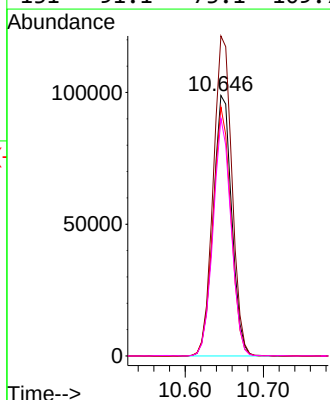
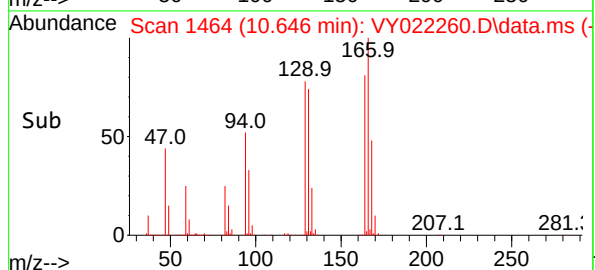
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

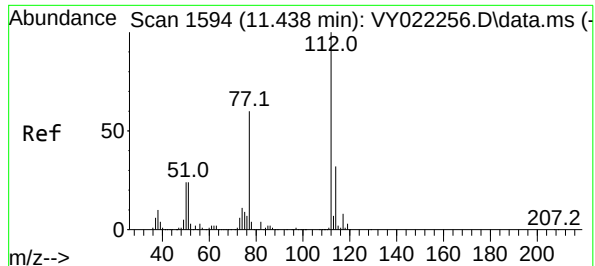


#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



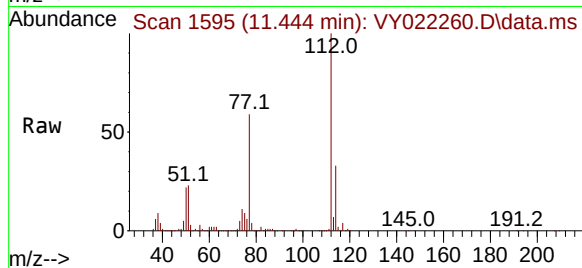
Tgt Ion:164 Resp: 162818
Ion Ratio Lower Upper
164 100
166 122.8 100.4 150.6
129 95.5 76.4 114.6
131 91.1 73.1 109.7





#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

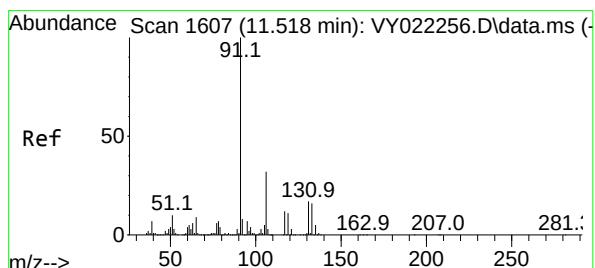
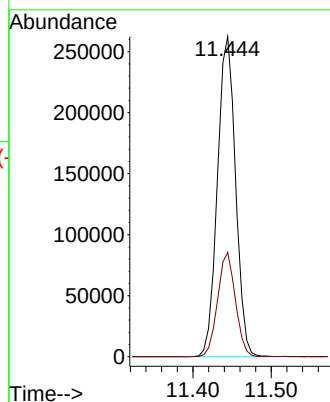
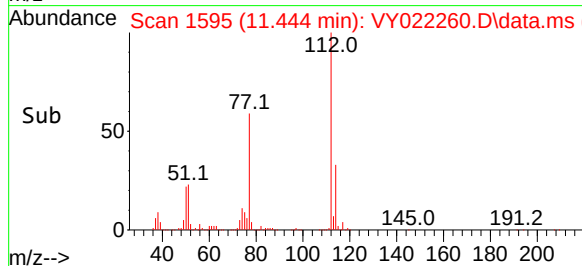
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



Tgt Ion:112 Resp: 422170
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

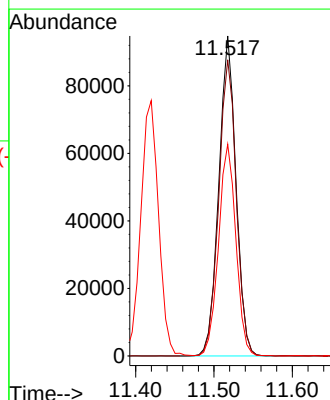
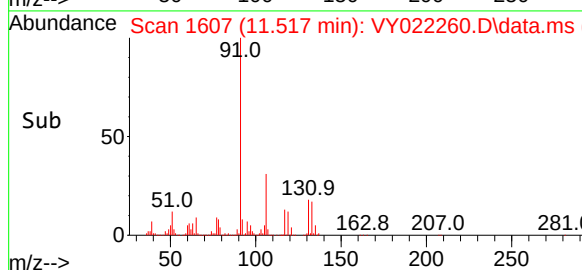
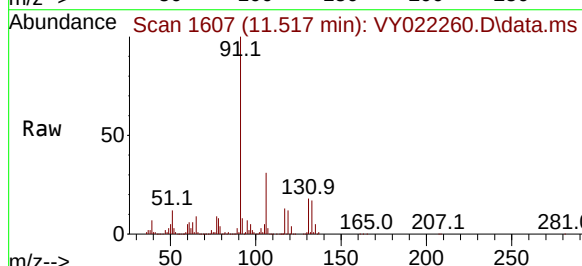
Manual Integrations
APPROVED

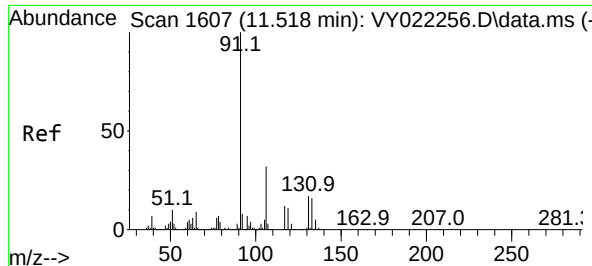
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

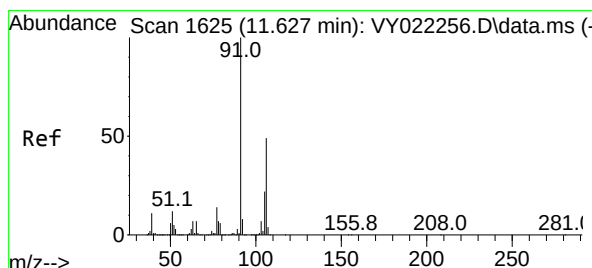
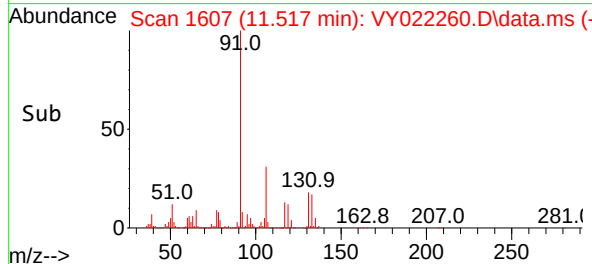
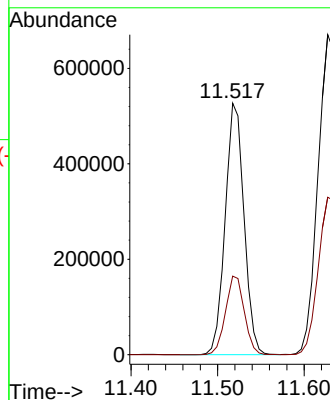
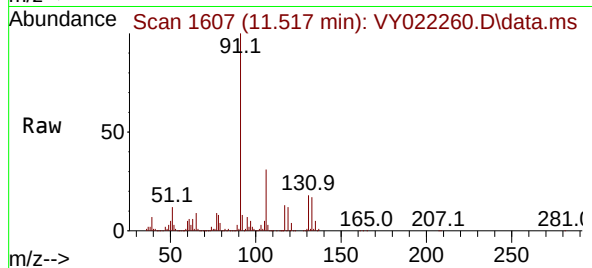
Ion Ratio Lower Upper

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

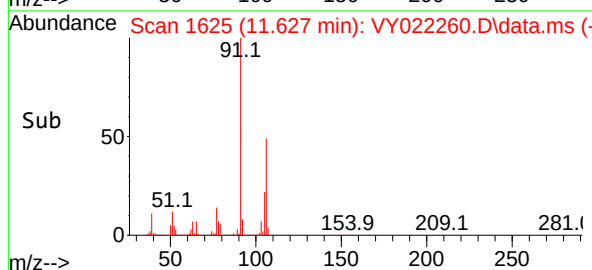
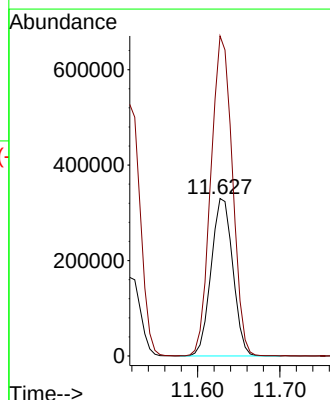
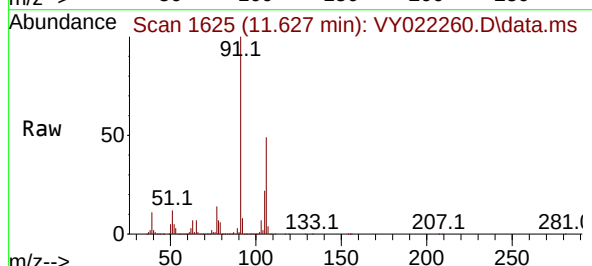
Acq: 15 May 2025 13:20

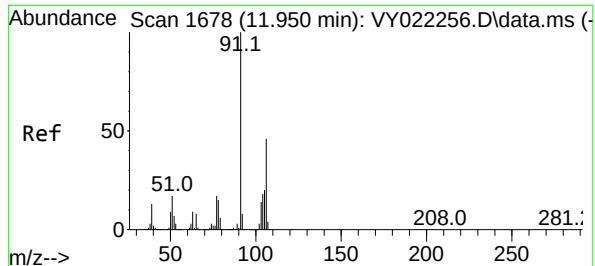
Tgt Ion:106 Resp: 604420

Ion Ratio Lower Upper

106 100

91 202.6 163.0 244.4





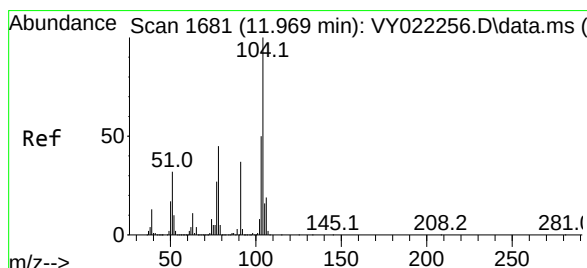
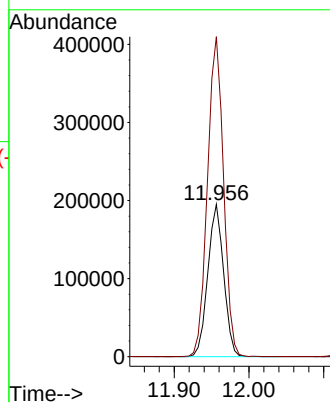
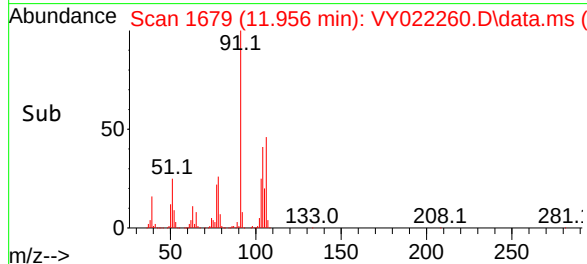
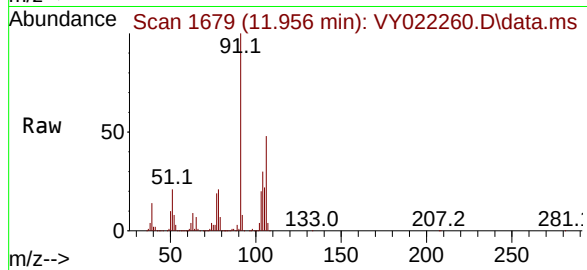
#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:106 Resp: 286712
Ion Ratio Lower Upper
106 100
91 213.3 108.3 324.8

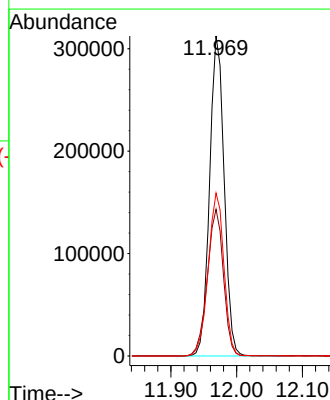
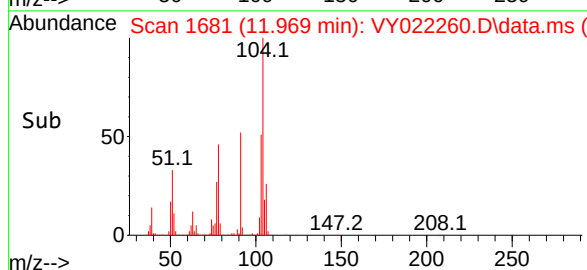
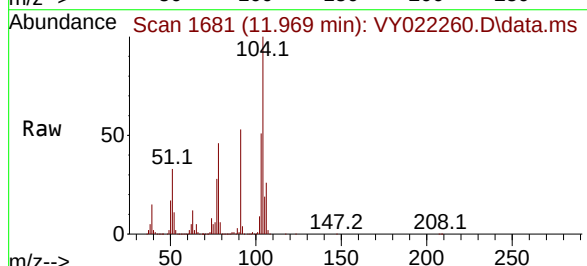
Manual Integrations
APPROVED

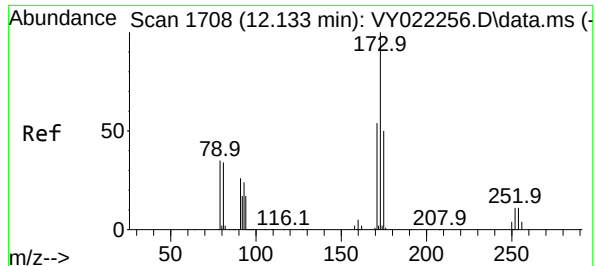
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

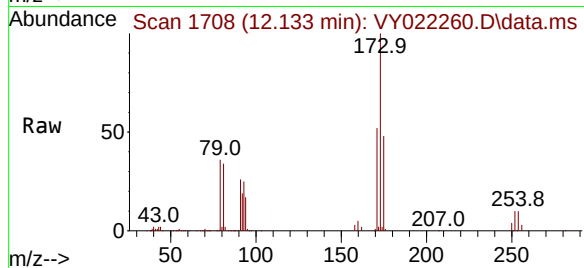
Tgt Ion:104 Resp: 481621
Ion Ratio Lower Upper
104 100
78 50.7 40.9 61.3
103 55.1 43.7 65.5





#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

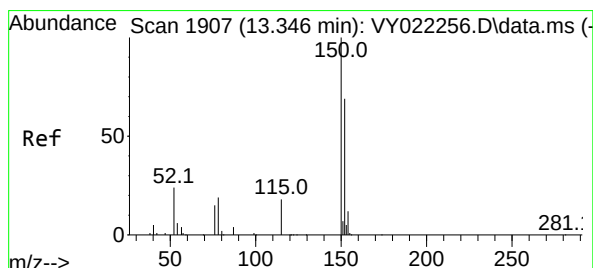
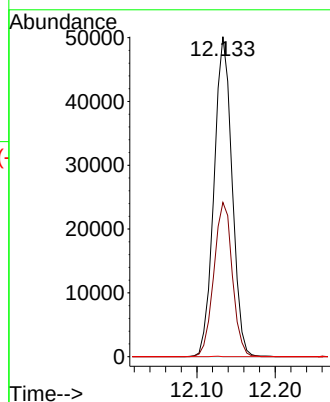
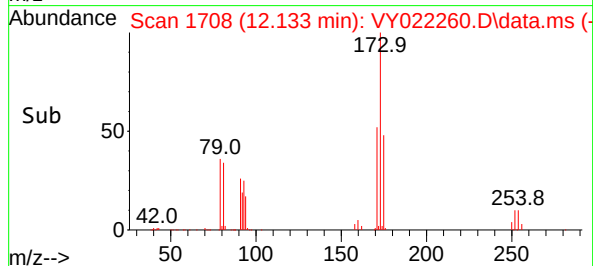
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

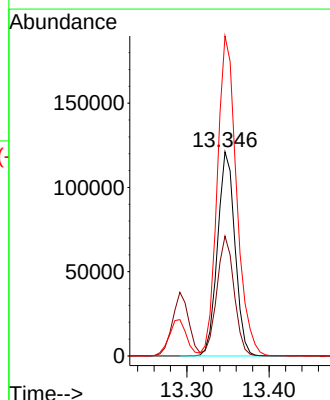
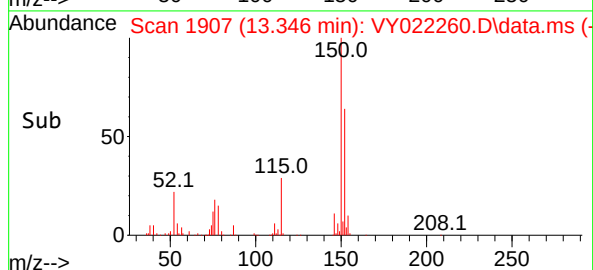
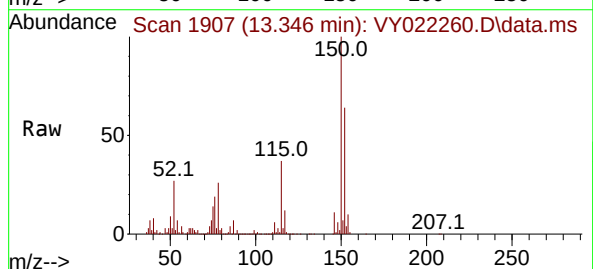
Manual Integrations
APPROVED

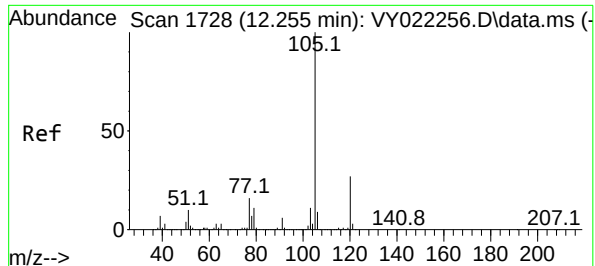
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

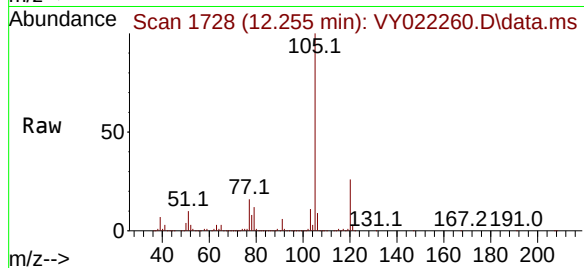
Tgt Ion:152 Resp: 178387
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 173.8 0.0 353.8





#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

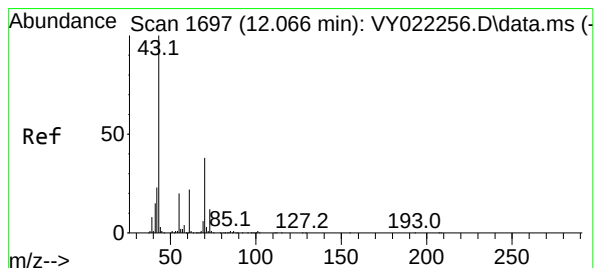
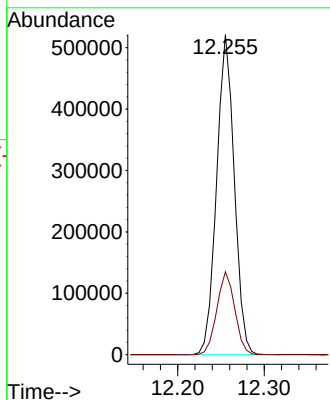
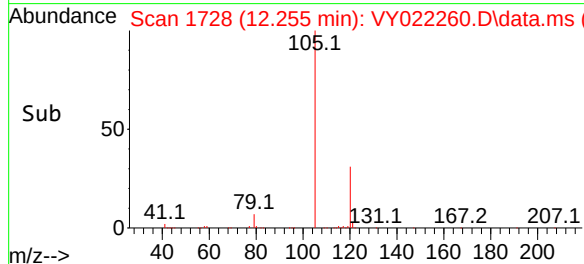
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



Tgt Ion:105 Resp: 738398
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

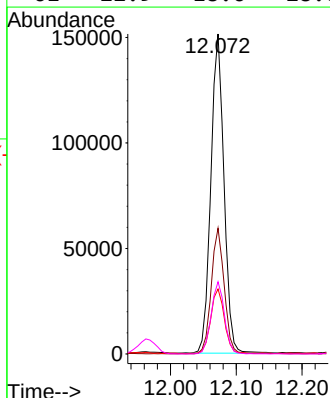
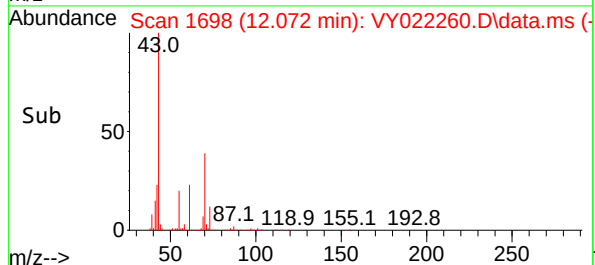
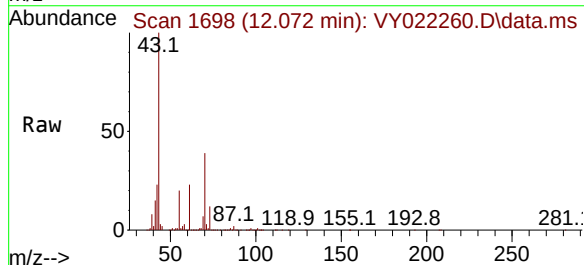
Manual Integrations
APPROVED

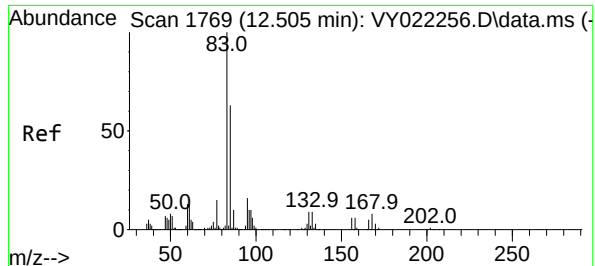
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

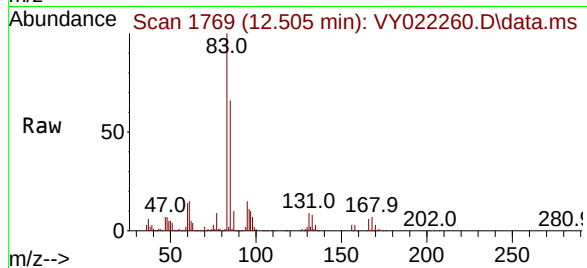
Tgt Ion: 43 Resp: 210510
Ion Ratio Lower Upper
43 100
70 39.0 31.4 47.0
55 20.7 17.0 25.6
61 22.9 18.6 28.0





#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

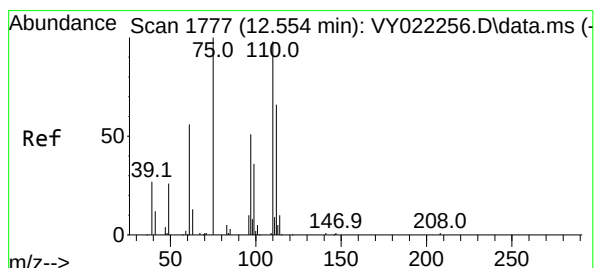
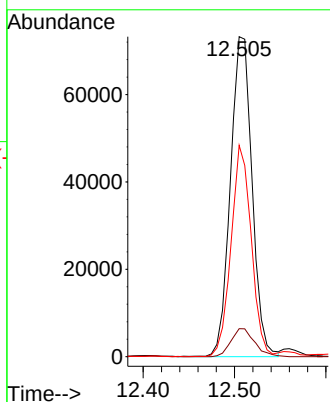
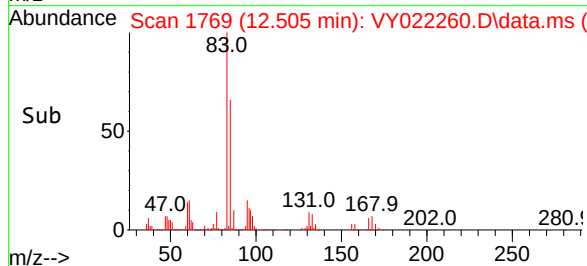
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

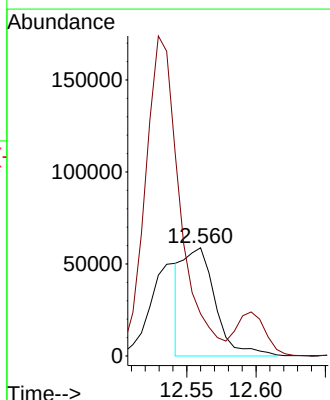
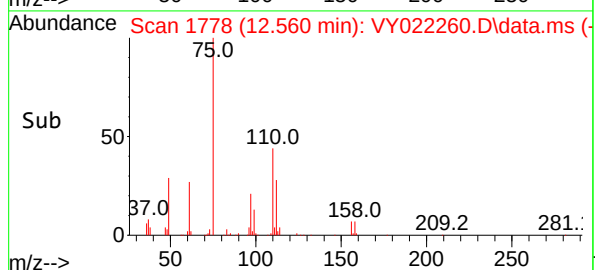
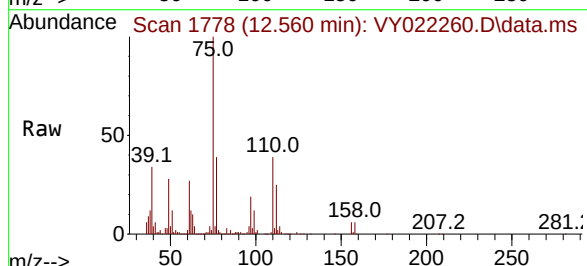
Manual Integrations
APPROVED

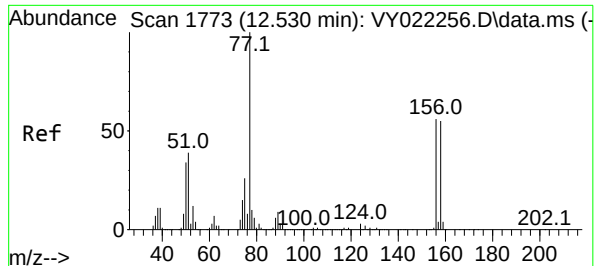
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

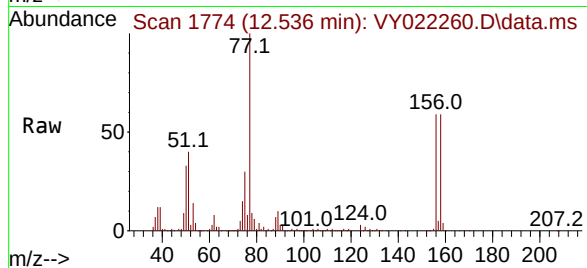
Tgt Ion: 75 Resp: 96804
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

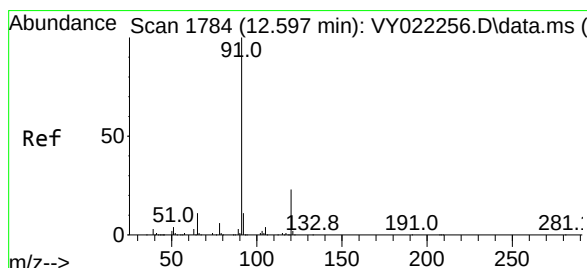
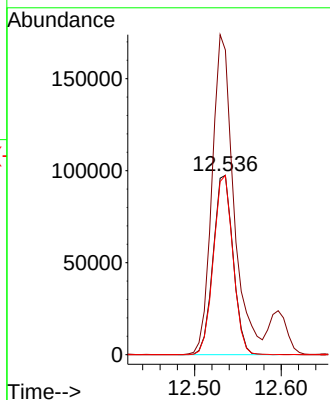
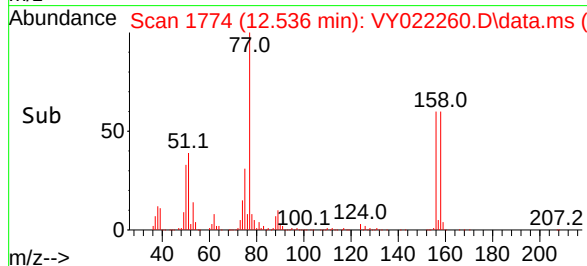
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

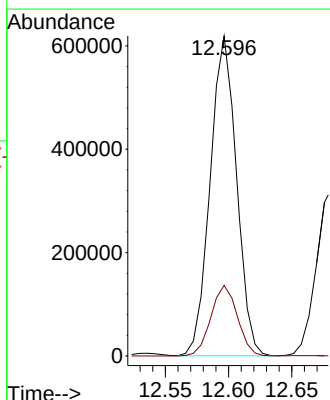
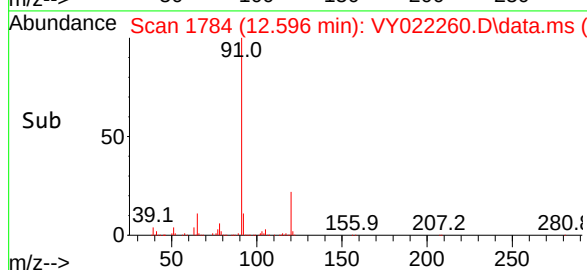
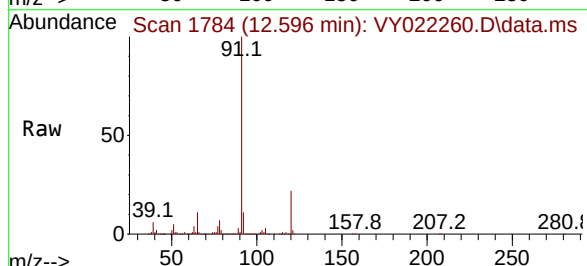
Manual Integrations
APPROVED

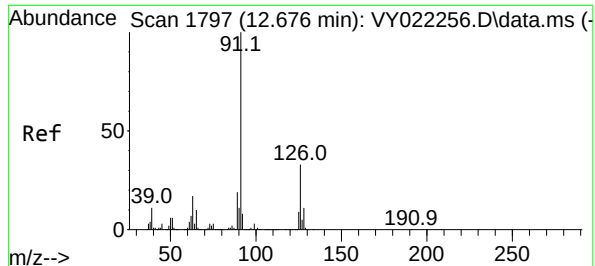
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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# 1797

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

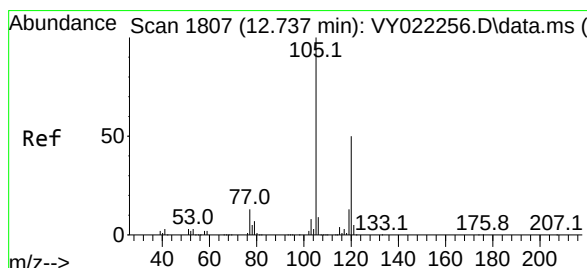
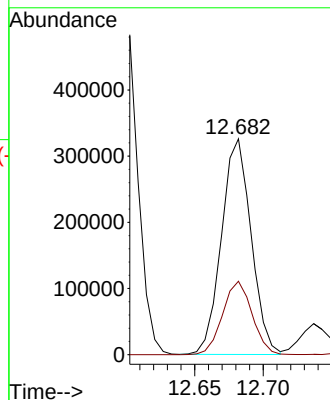
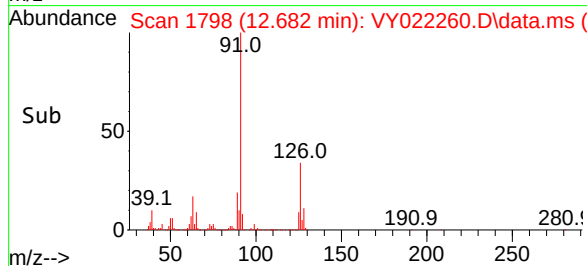
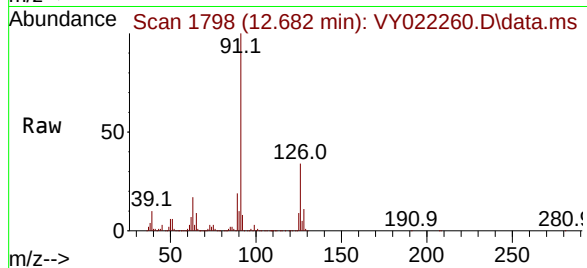
126 33.8 16.8 50.4

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

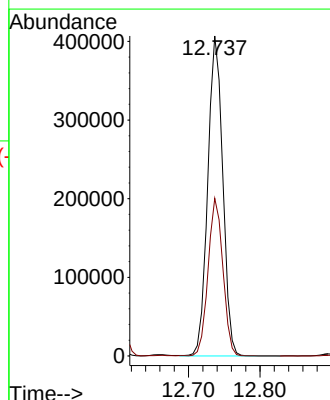
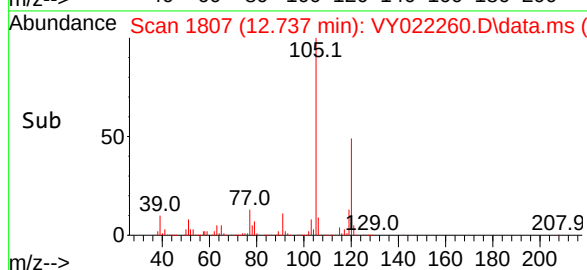
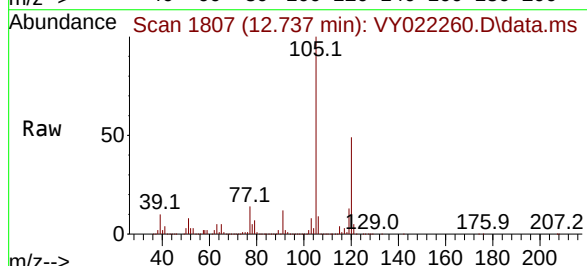
Acq: 15 May 2025 13:20

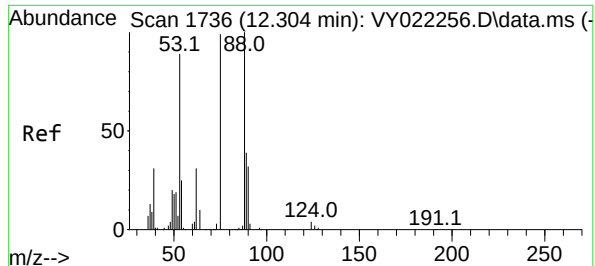
Tgt Ion:105 Resp: 592100

Ion Ratio Lower Upper

105 100

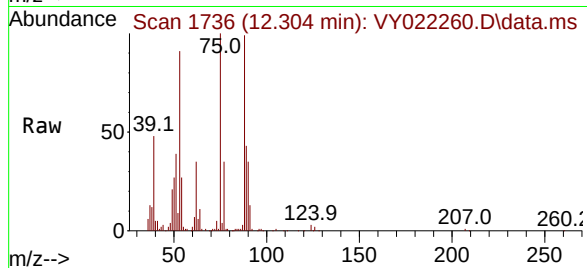
120 48.7 24.2 72.6





#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

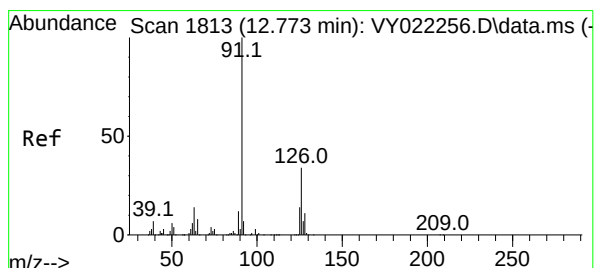
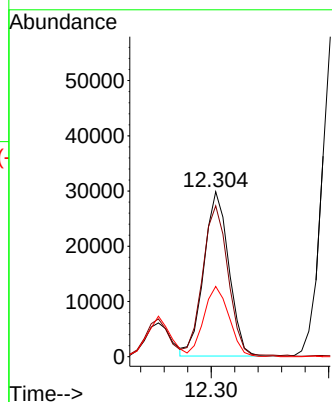
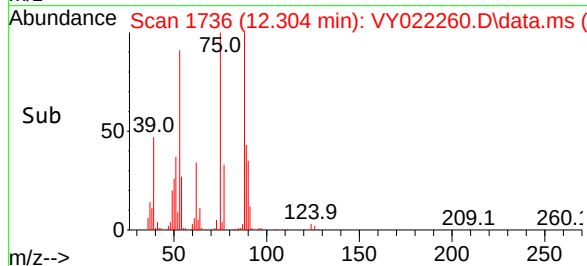
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

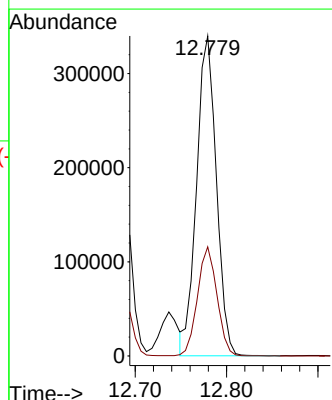
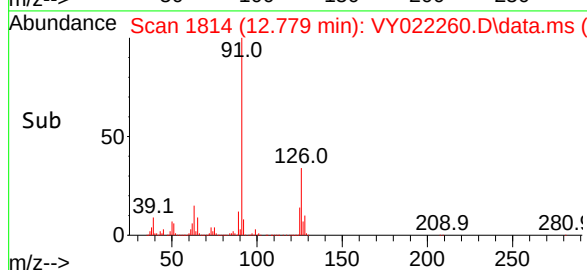
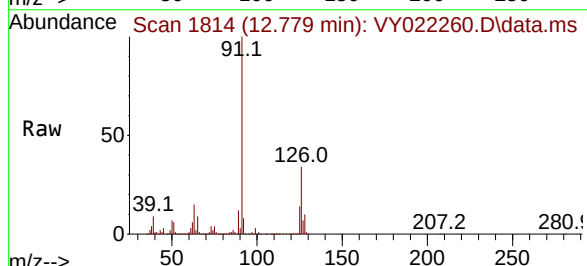
Manual Integrations
APPROVED

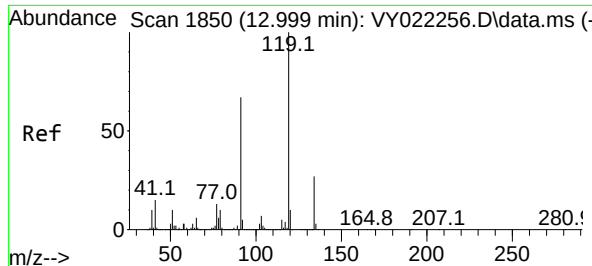
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

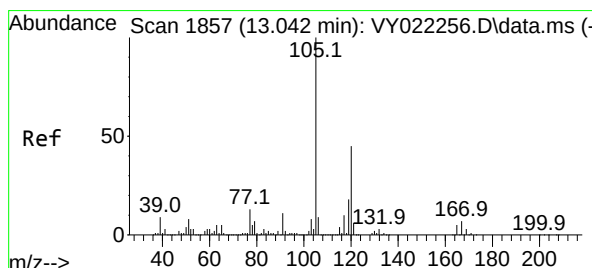
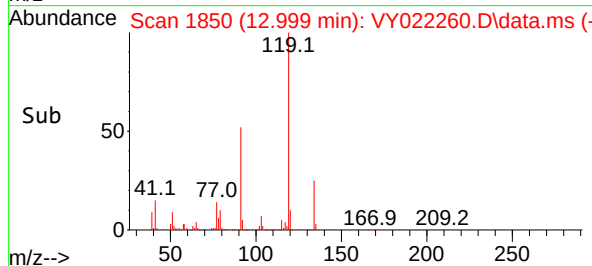
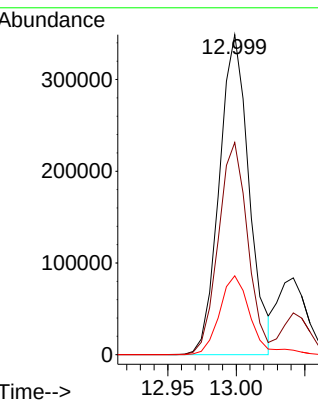
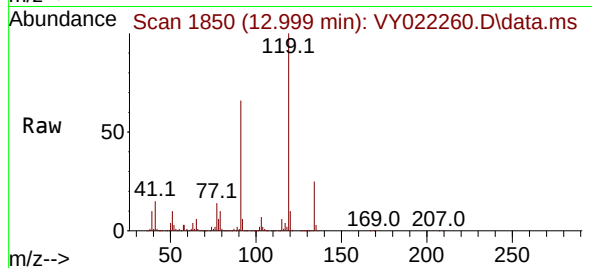
134 25.8 12.9 38.6

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

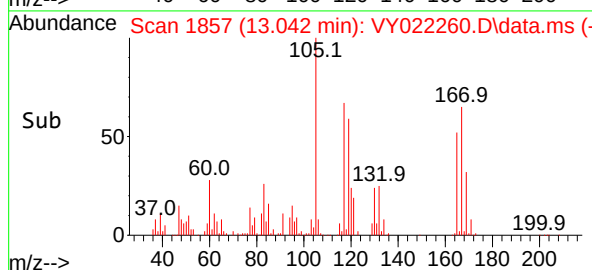
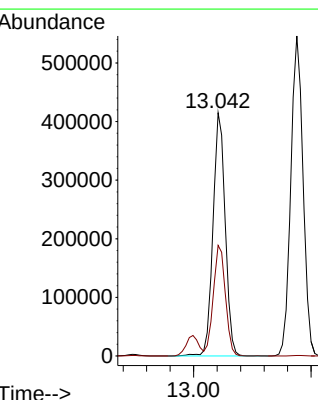
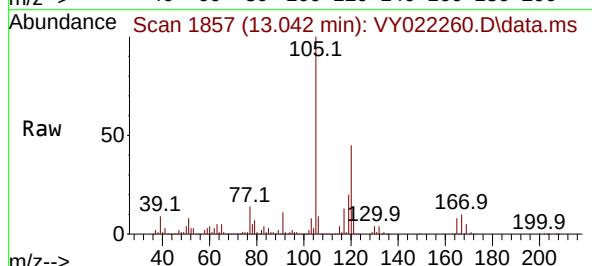
Acq: 15 May 2025 13:20

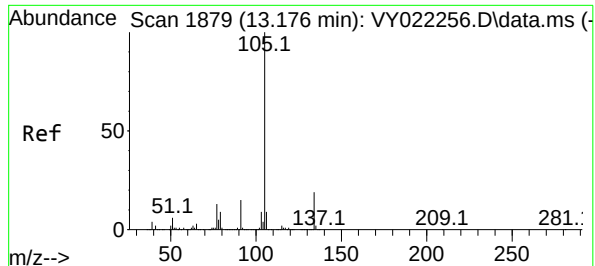
Tgt Ion:105 Resp: 598450

Ion Ratio Lower Upper

105 100

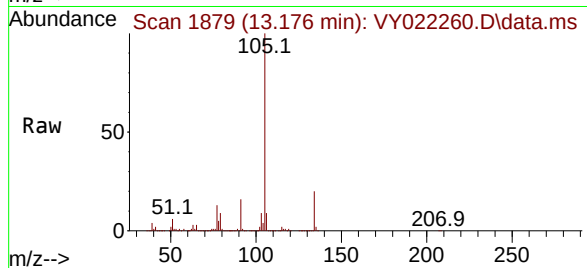
120 45.1 22.3 66.9





#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

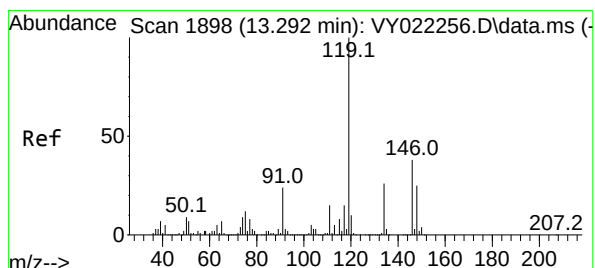
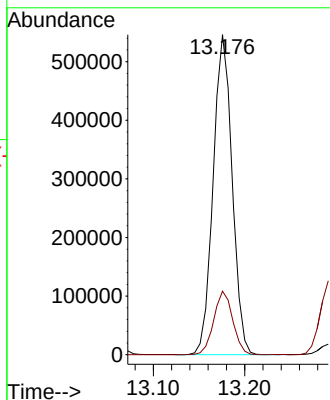
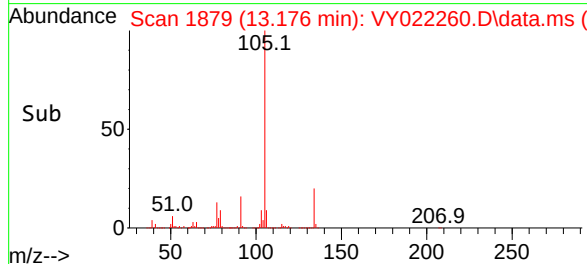
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



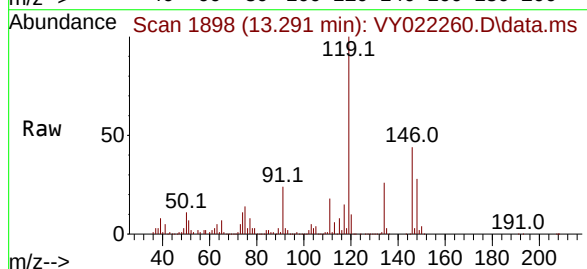
Tgt Ion:105 Resp: 787000
Ion Ratio Lower Upper
105 100
134 19.8 9.8 29.5

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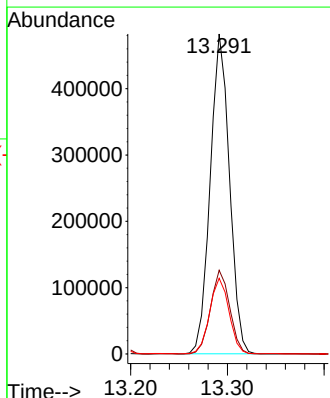
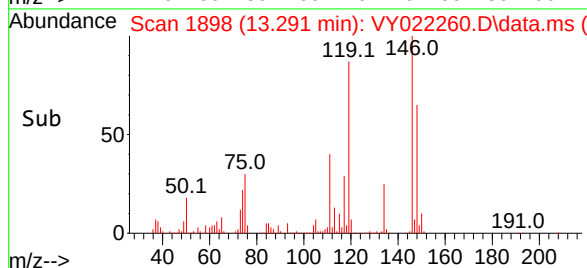
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

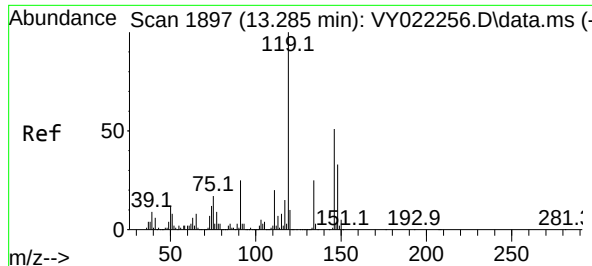


#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20



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 :

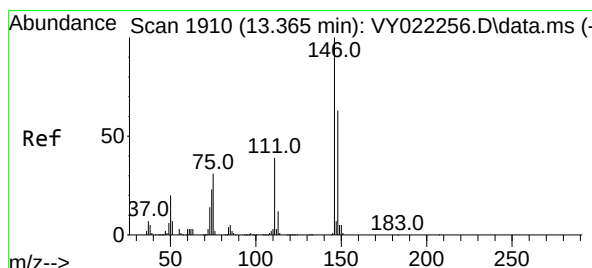
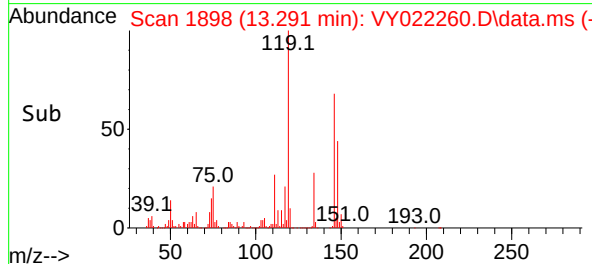
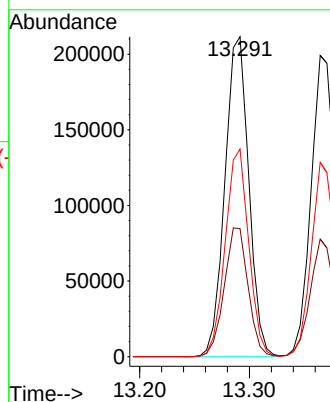
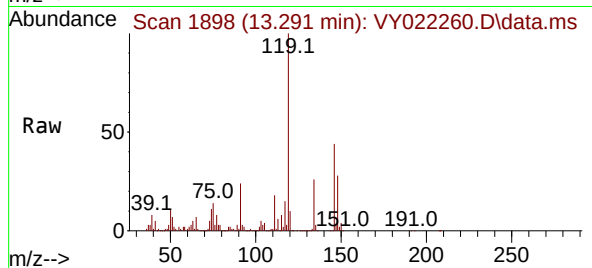
ICVY051525

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

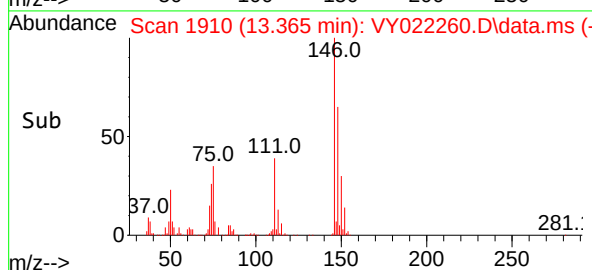
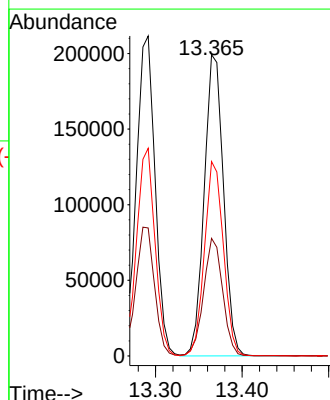
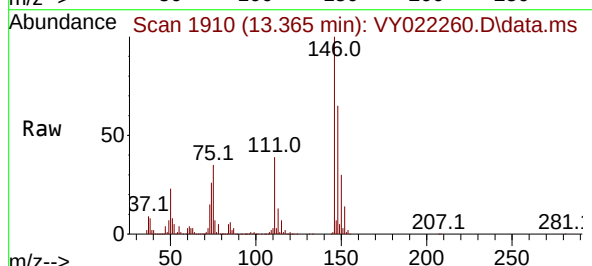
RT: 13.365 min Scan# 1910

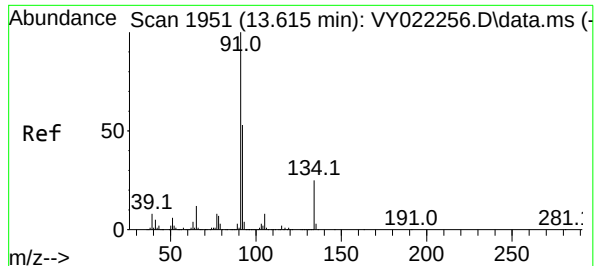
Delta R.T. -0.000 min

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 :

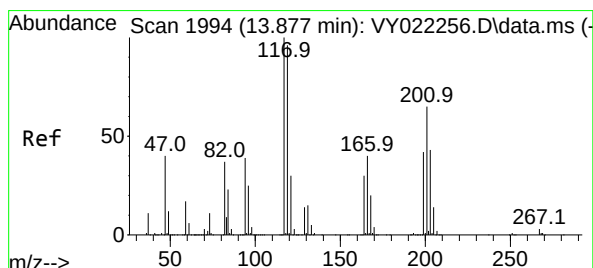
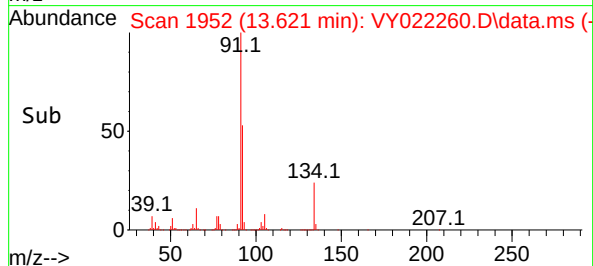
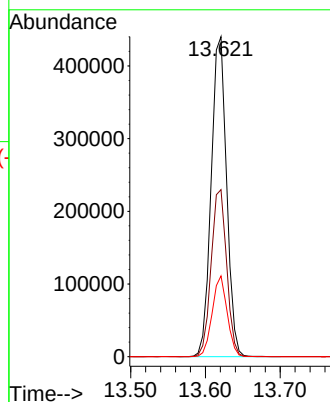
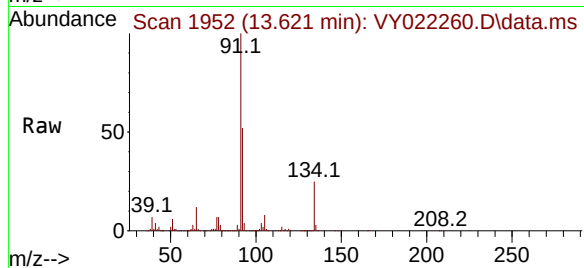
ICVVY051525

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

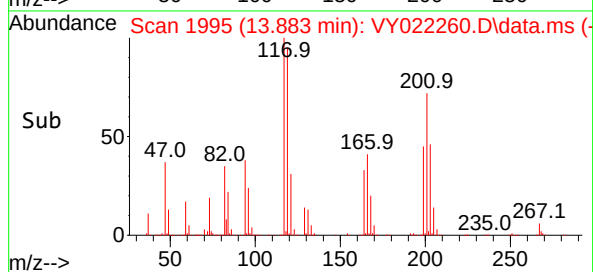
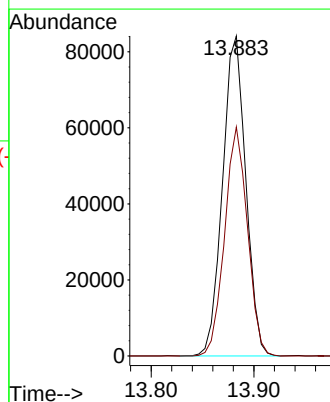
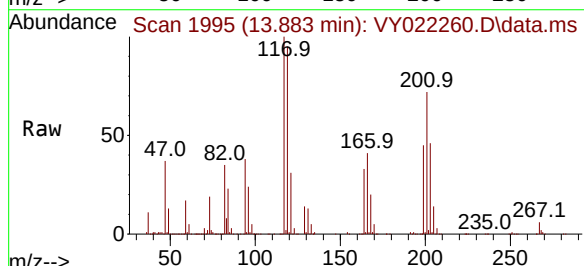
RT: 13.883 min Scan# 1995

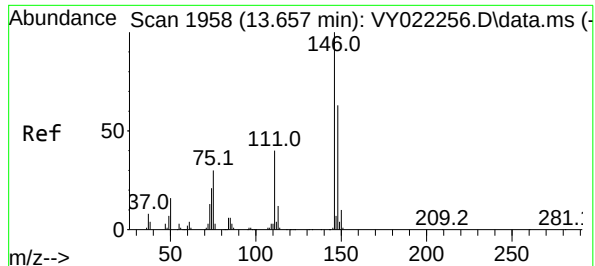
Delta R.T. 0.006 min

Lab File: VY022260.D

Acq: 15 May 2025 13:20

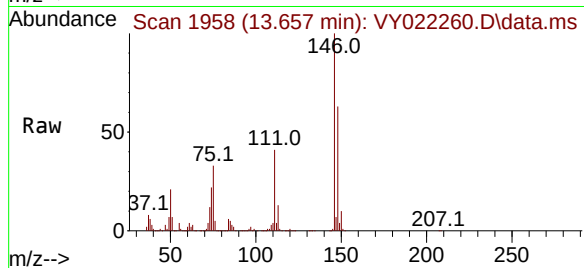
Tgt Ion:	117	Resp:	132281
Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.2	105.6





#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

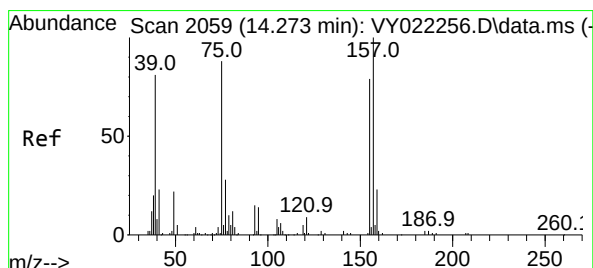
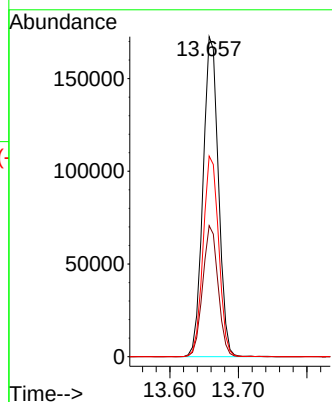
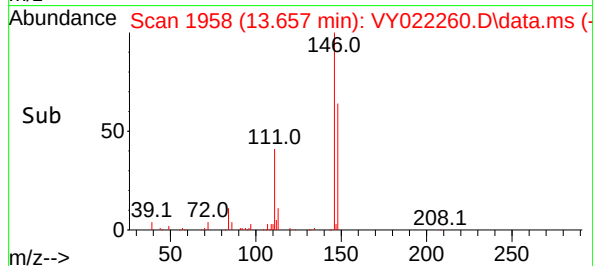
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525



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

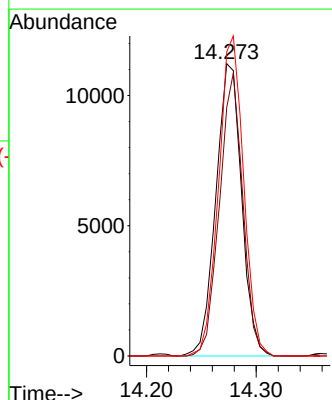
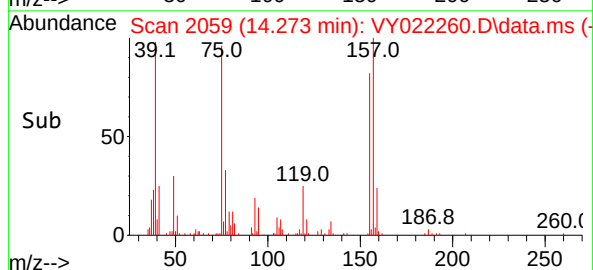
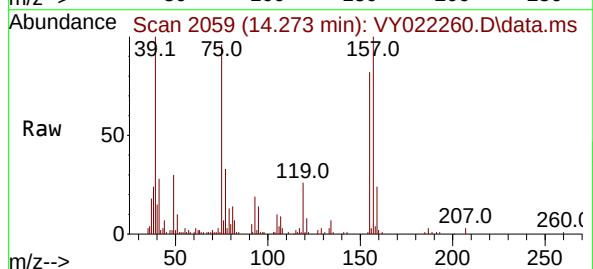
Manual Integrations
APPROVED

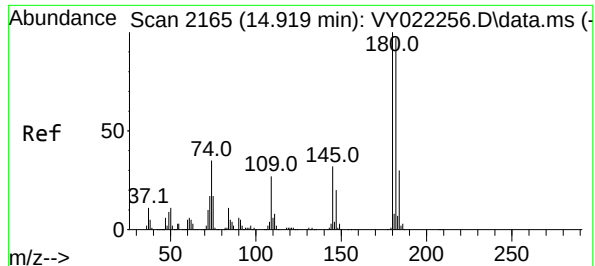
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

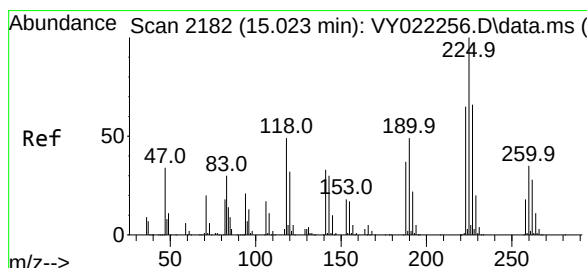
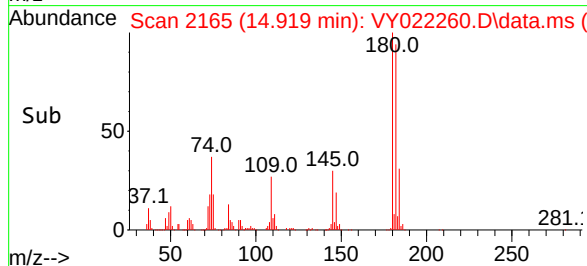
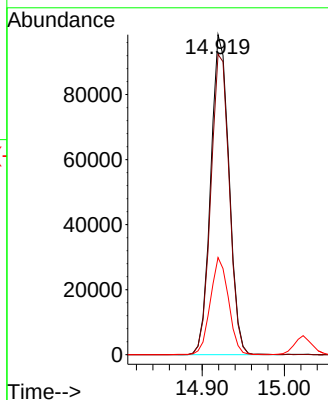
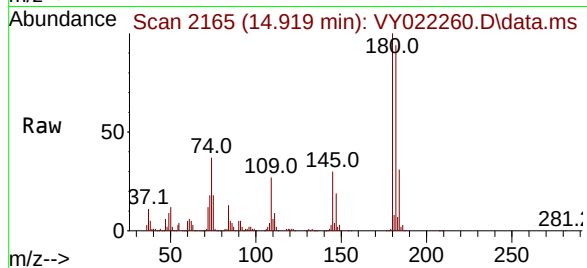
145 30.1 15.0 45.1

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

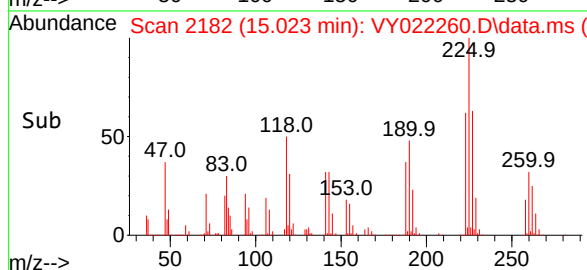
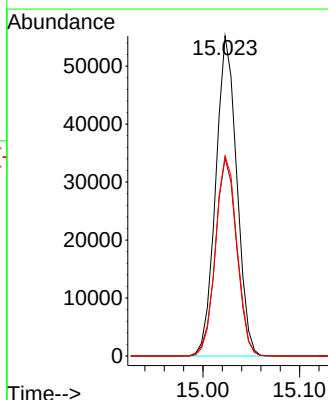
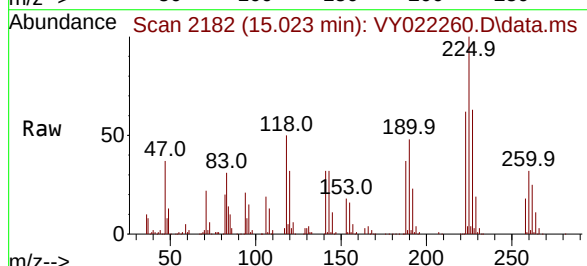
Tgt Ion:225 Resp: 83287

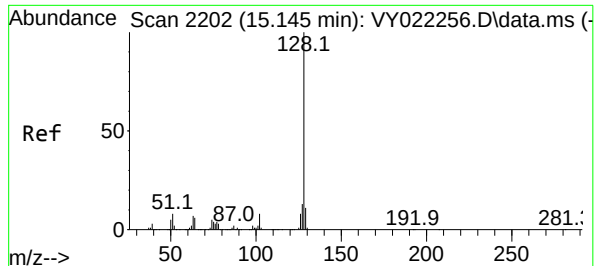
Ion Ratio Lower Upper

225 100

223 62.6 31.5 94.5

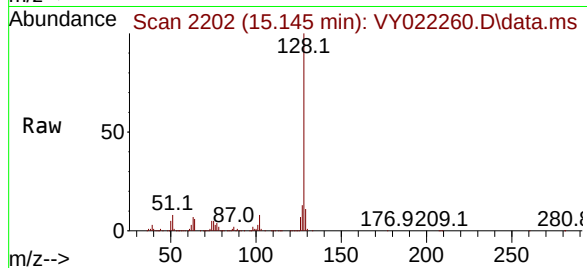
227 63.6 32.1 96.3





#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

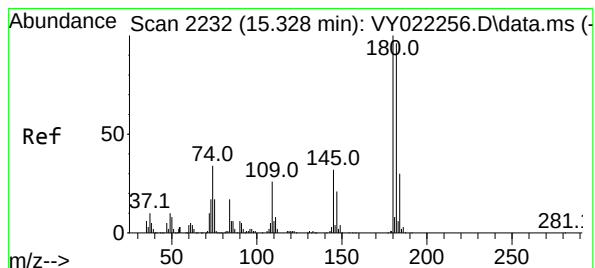
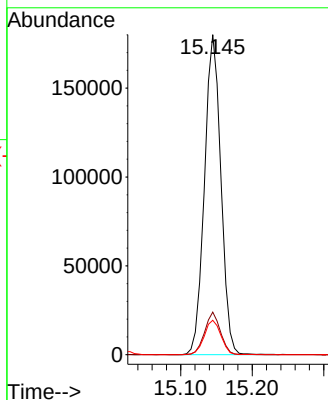
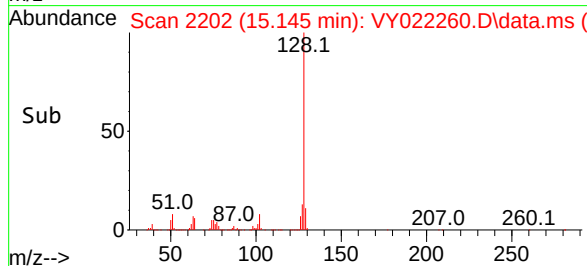
Instrument :
MSVOA_Y
ClientSampleId :
ICVY051525



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

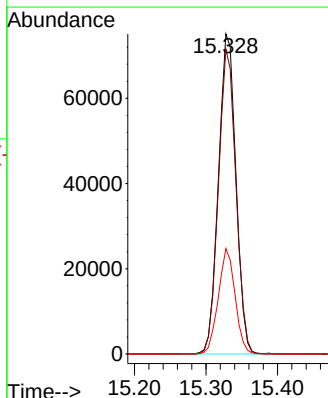
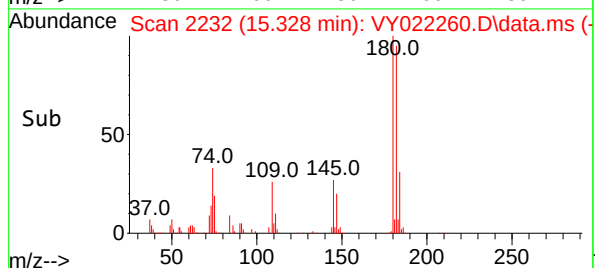
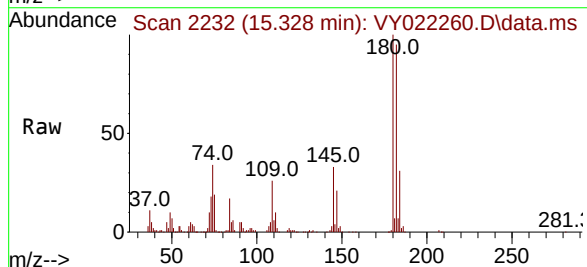
Manual Integrations
APPROVED

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-amyl 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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date/Time: 05/15/2025 11:02

Lab File ID: VY022256.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	0.507		-2.87	
Chloromethane	1.097	1.042		-5.01	
Vinyl Chloride	1.226	1.210		-1.3	
Bromomethane	0.998	0.877		-12.12	
Chloroethane	0.763	0.756		-0.92	
Trichlorofluoromethane	1.241	1.214		-2.18	
1,1,2-Trichlorotrifluoroethane	0.539	0.538		-0.19	
1,1-Dichloroethene	0.535	0.539		0.75	
Acetone	0.102	0.093		-8.82	
Carbon Disulfide	1.744	1.753		0.52	
Methyl tert-butyl Ether	1.475	1.459		-1.09	
Methyl Acetate	0.323	0.302		-6.5	
Methylene Chloride	0.662	0.597		-9.82	
trans-1,2-Dichloroethene	0.590	0.592		0.34	
1,1-Dichloroethane	1.106	1.117		1	
Cyclohexane	1.105	1.055		-4.53	
2-Butanone	0.171	0.161		-5.85	
Carbon Tetrachloride	0.509	0.516		1.38	
cis-1,2-Dichloroethene	0.681	0.691		1.47	
Bromochloromethane	0.472	0.473		0.21	
Chloroform	1.061	1.079		1.7	
1,1,1-Trichloroethane	0.974	0.969		-0.51	
Methylcyclohexane	0.660	0.670		1.51	
Benzene	1.457	1.499		2.88	
1,2-Dichloroethane	0.394	0.402		2.03	
Trichloroethene	0.362	0.371		2.49	
1,2-Dichloropropane	0.351	0.357		1.71	
Bromodichloromethane	0.492	0.506		2.85	
4-Methyl-2-Pentanone	0.253	0.253		0	
Toluene	0.923	0.944		2.28	
t-1,3-Dichloropropene	0.480	0.487		1.46	
cis-1,3-Dichloropropene	0.550	0.562		2.18	
1,1,2-Trichloroethane	0.243	0.243		0	
2-Hexanone	0.170	0.166		-2.35	
Dibromochloromethane	0.315	0.323		2.54	
1,2-Dibromoethane	0.226	0.227		0.44	
Tetrachloroethene	0.462	0.474		2.6	
Chlorobenzene	1.128	1.154		2.31	

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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date/Time: 05/15/2025 11:02

Lab File ID: VY022256.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	2.175		2.93	
m/p-Xylenes	0.796	0.818		2.76	
o-Xylene	0.753	0.768		1.99	
Styrene	1.270	1.303		2.6	
Bromoform	0.209	0.209		0	
Isopropylbenzene	4.142	4.197		1.33	
1,1,2,2-Tetrachloroethane	0.637	0.628		-1.41	
1,3-Dichlorobenzene	1.806	1.838		1.77	
1,4-Dichlorobenzene	1.737	1.750		0.75	
1,2-Dichlorobenzene	1.517	1.534		1.12	
1,2-Dibromo-3-Chloropropane	0.103	0.100		-2.91	
1,2,4-Trichlorobenzene	0.876	0.900		2.74	
1,2,3-Trichlorobenzene	0.743	0.752		1.21	
1,2-Dichloroethane-d4	0.546	0.541		-0.92	
Dibromofluoromethane	0.298	0.301		1.01	
Toluene-d8	1.222	1.230		0.65	
4-Bromofluorobenzene	0.387	0.387		0	

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\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

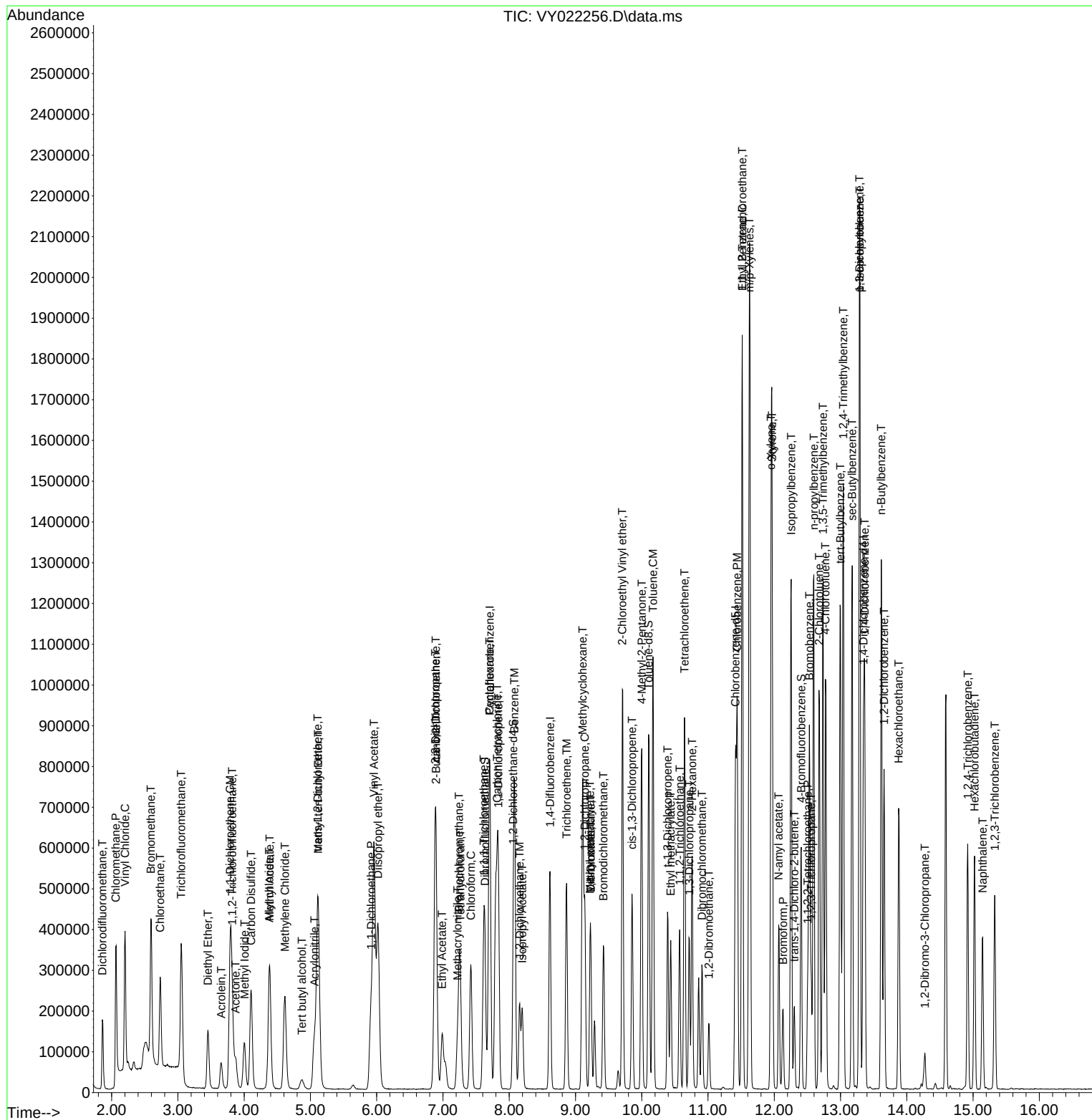
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 Data File : VY022256.D
 Acq On : 15 May 2025 11:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

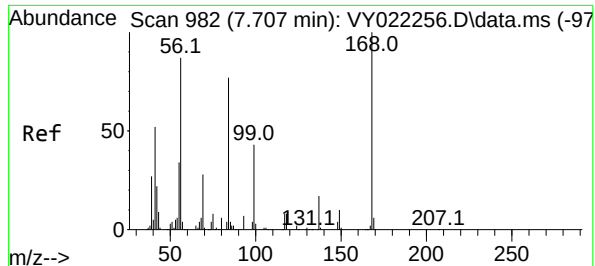
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

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

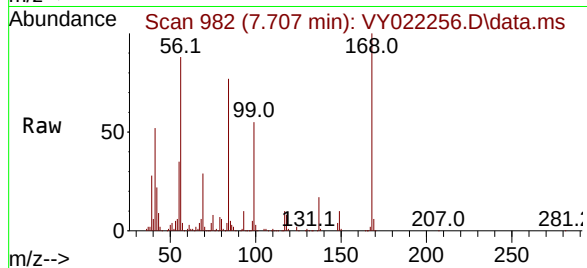
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 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:19:39 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

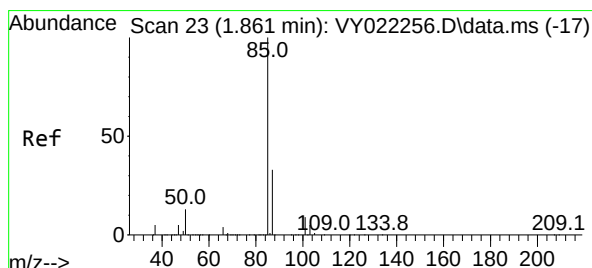
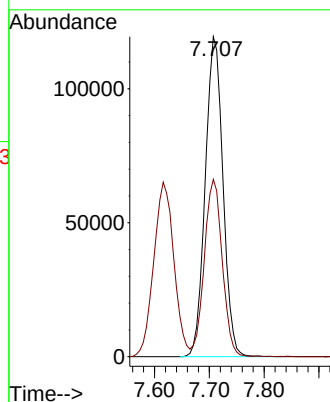
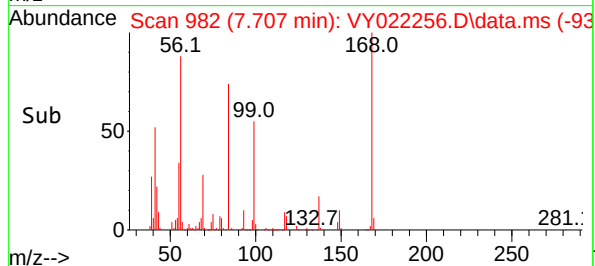
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

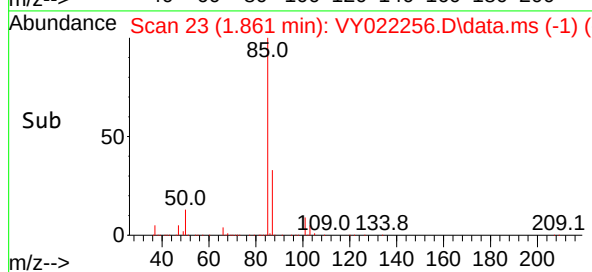
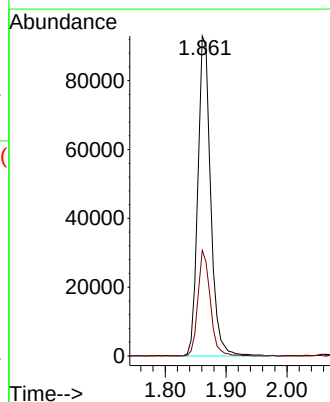
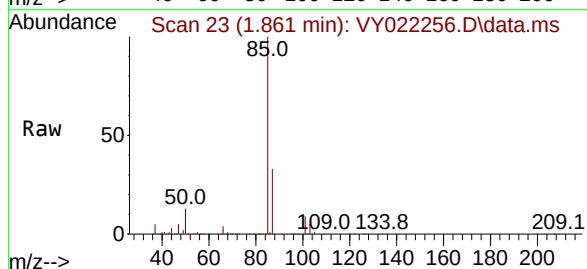
Manual Integrations
APPROVED

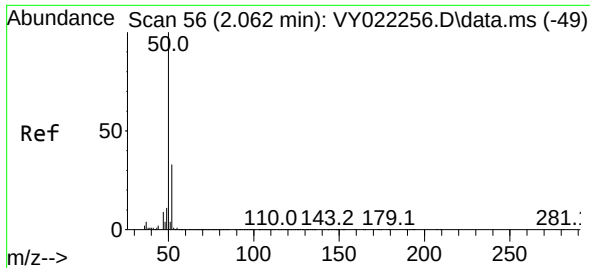
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

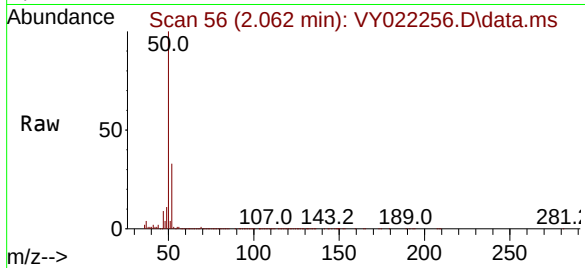
Tgt Ion: 85 Resp: 135726
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





#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

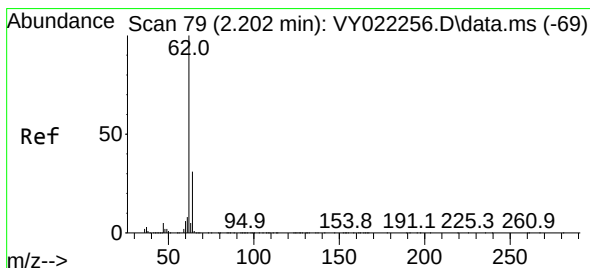
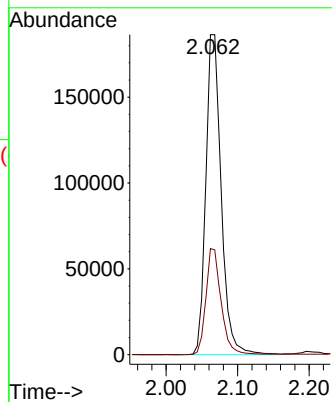
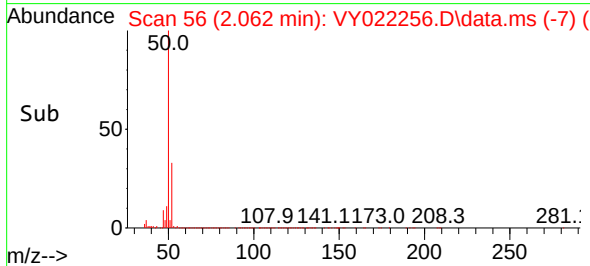
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

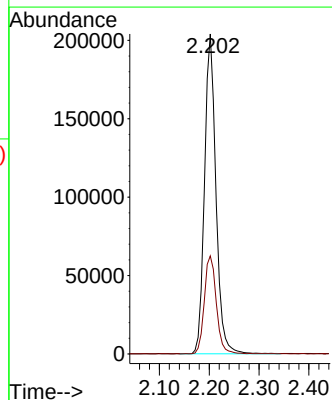
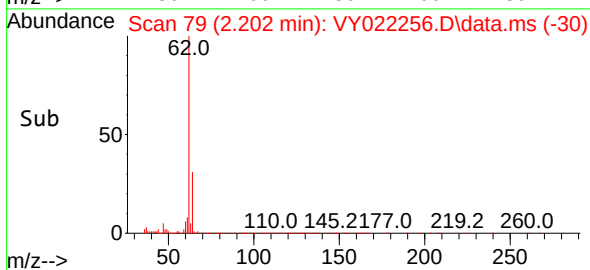
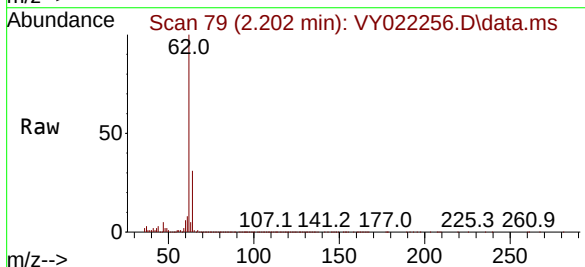
Manual Integrations
APPROVED

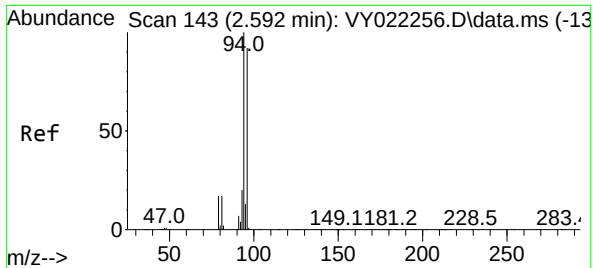
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

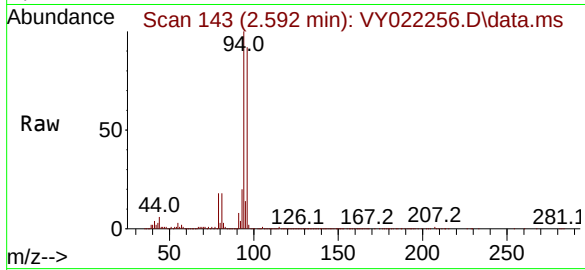
Tgt Ion: 62 Resp: 323792
Ion Ratio Lower Upper
62 100
64 30.6 24.5 36.7





#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

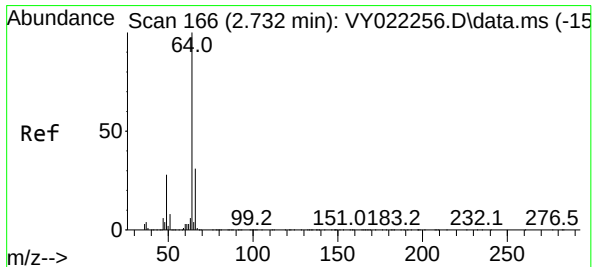
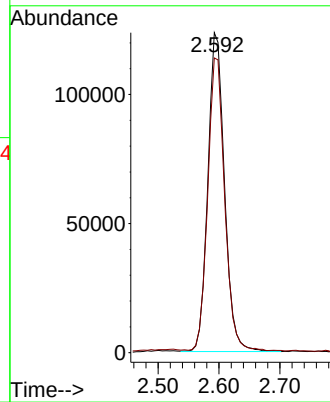
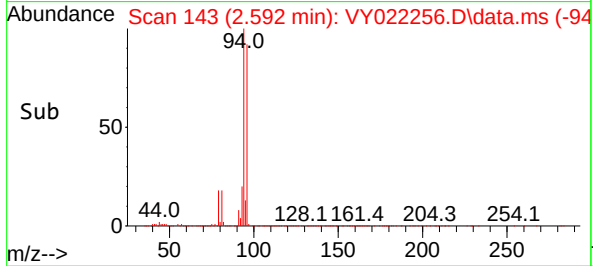
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



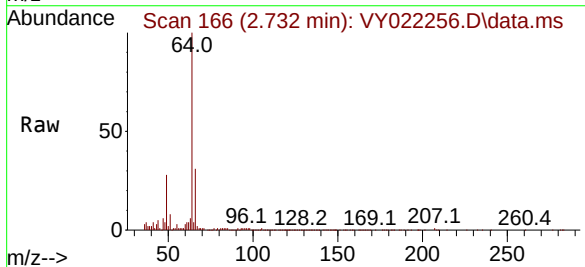
Tgt Ion: 94 Resp: 234730
Ion Ratio Lower Upper
94 100
96 91.7 73.4 110.0

Manual Integrations
APPROVED

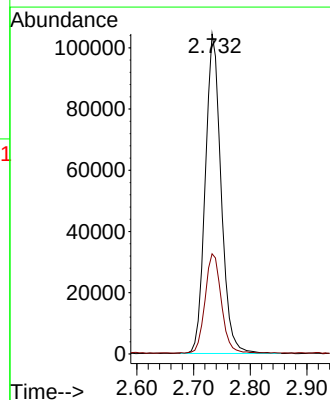
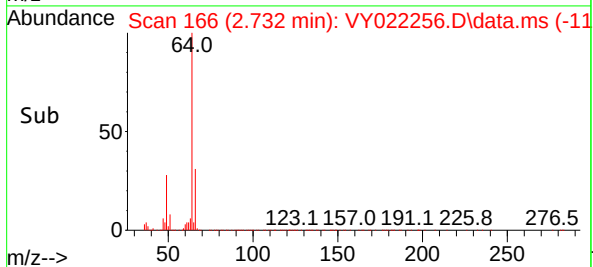
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

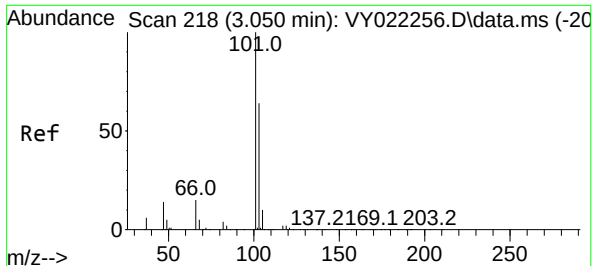


#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



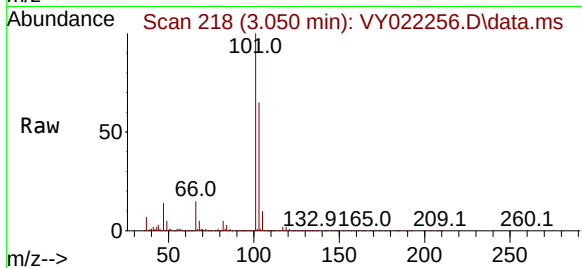
Tgt Ion: 64 Resp: 202370
Ion Ratio Lower Upper
64 100
66 31.0 24.8 37.2





#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

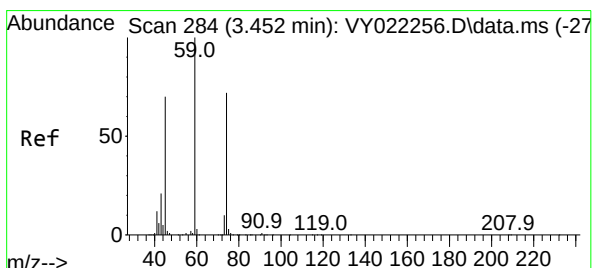
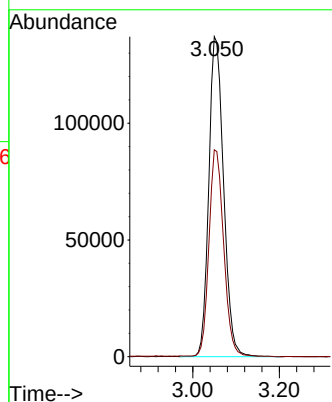
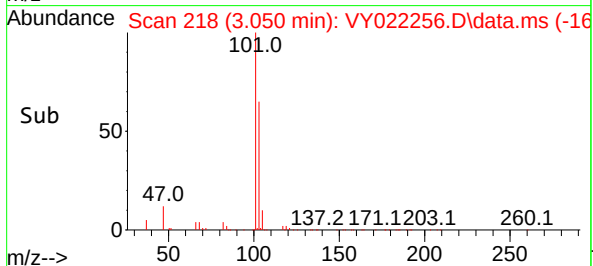
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

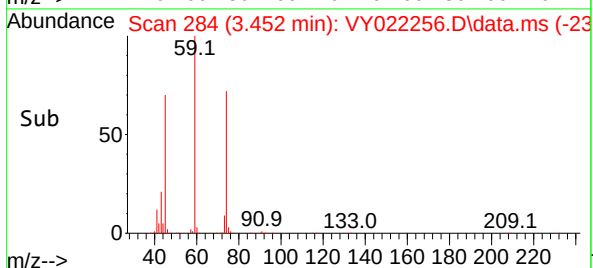
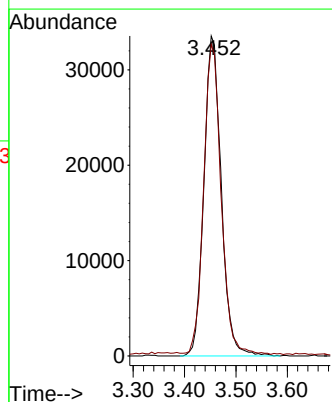
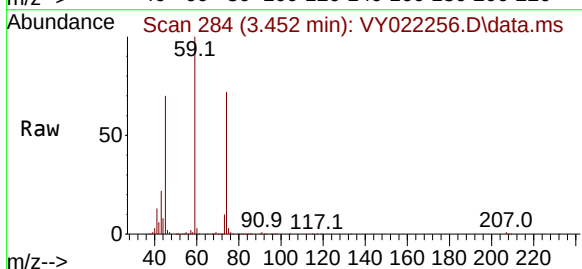
Manual Integrations
APPROVED

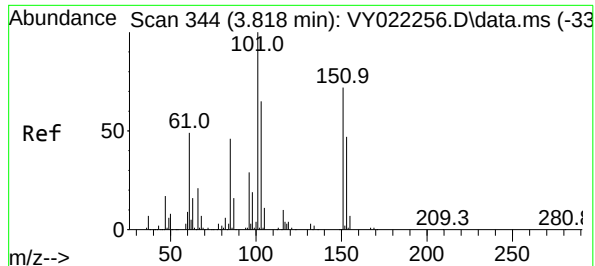
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

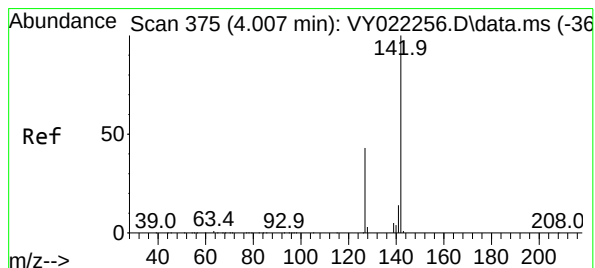
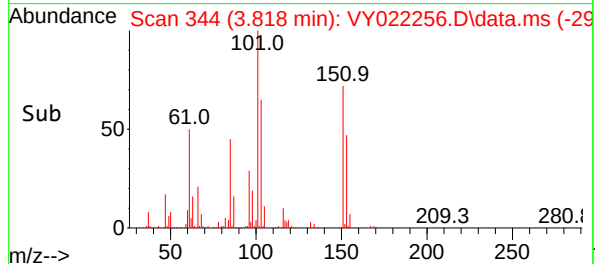
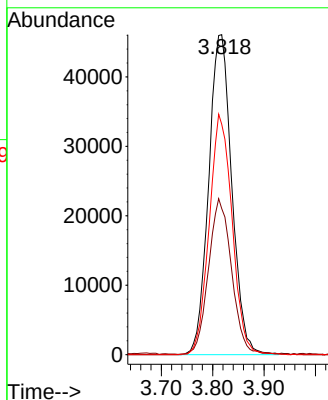
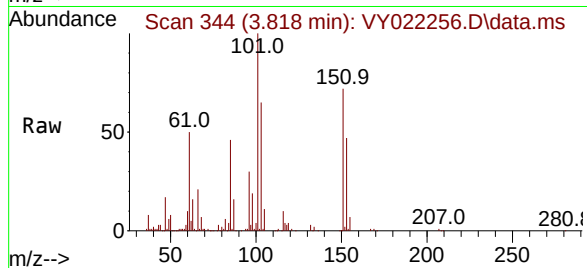
101 100

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

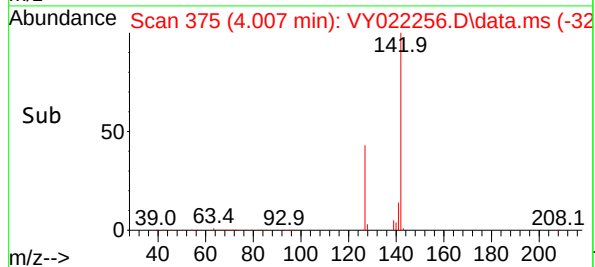
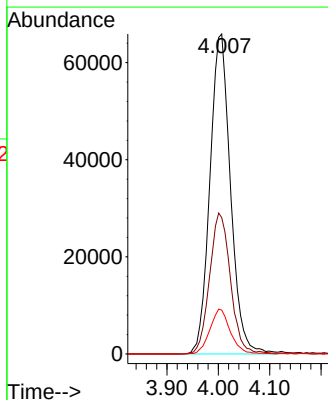
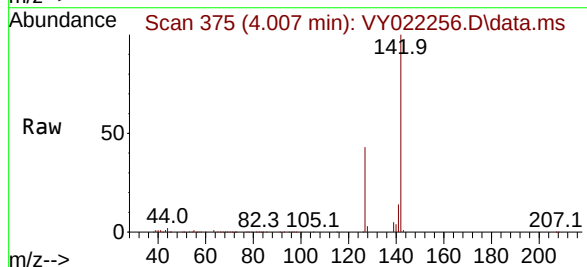
Tgt Ion:142 Resp: 183918

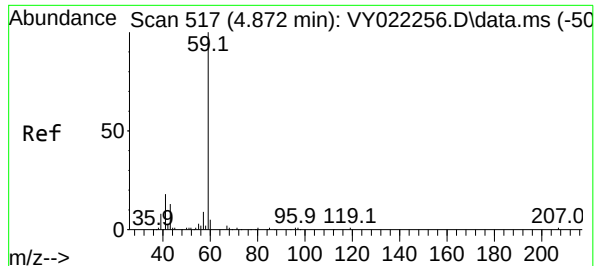
Ion Ratio Lower Upper

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

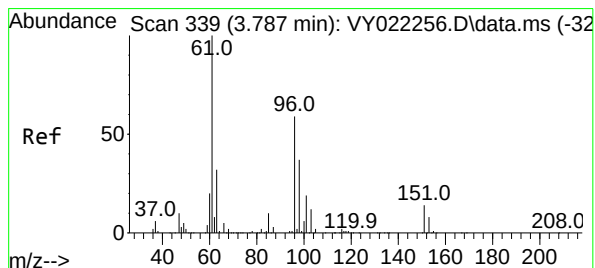
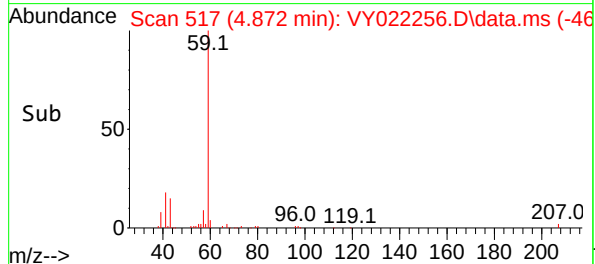
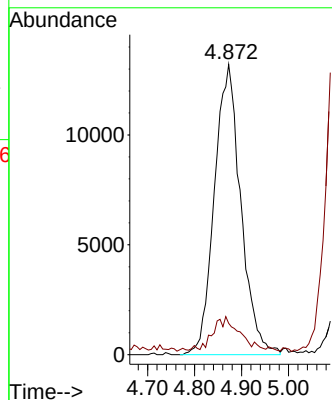
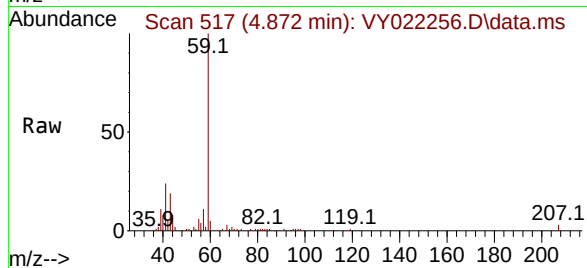
Ion Ratio Lower Upper

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

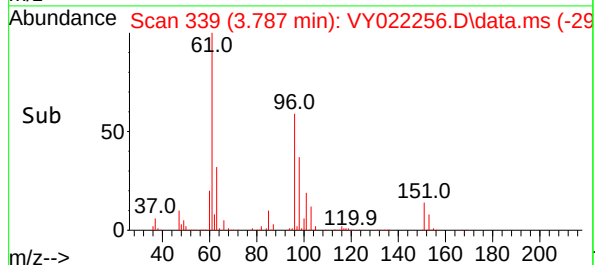
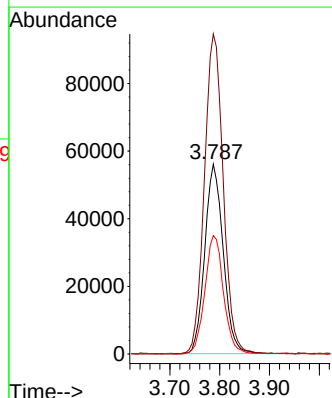
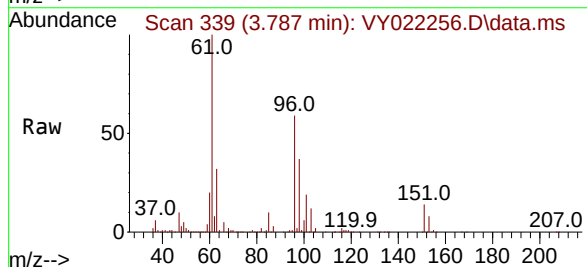
Tgt Ion: 96 Resp: 144103

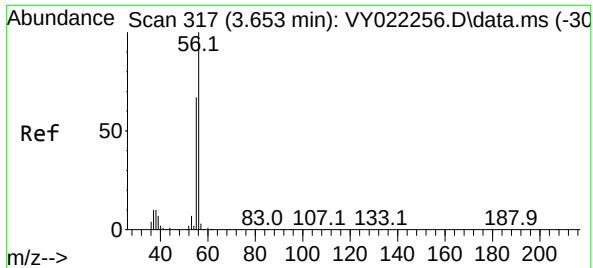
Ion Ratio Lower Upper

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: 75423

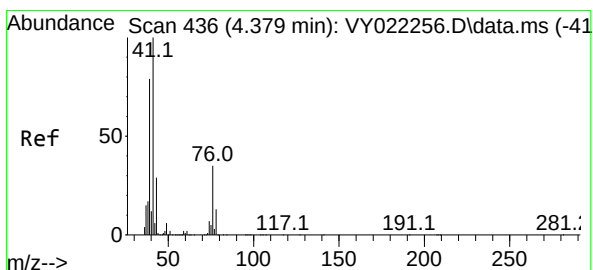
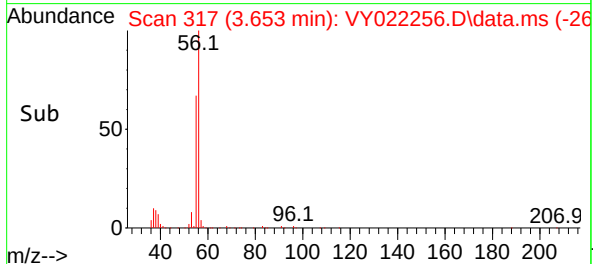
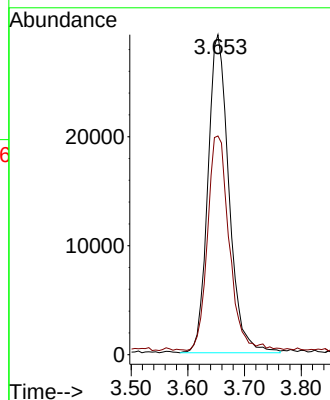
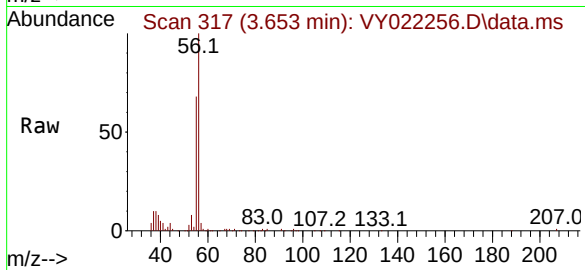
Ion Ratio Lower Upper

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

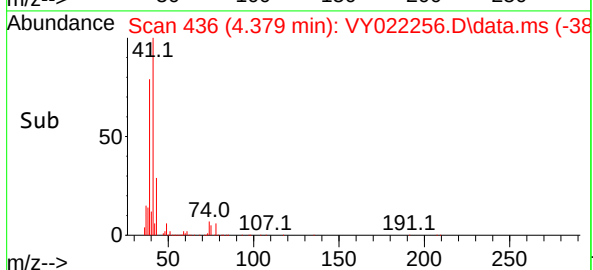
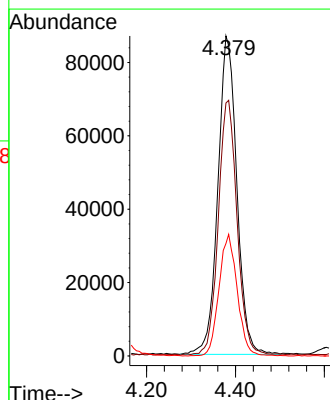
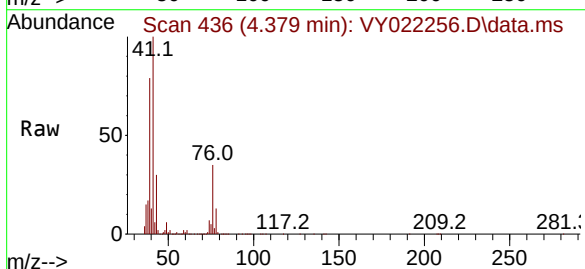
Tgt Ion: 41 Resp: 256499

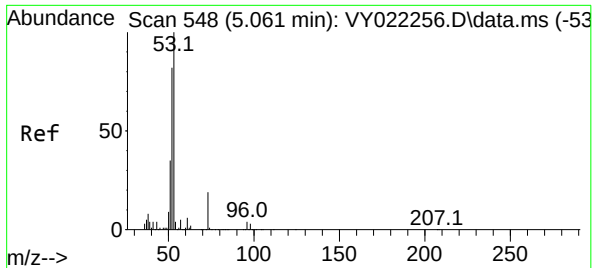
Ion Ratio Lower Upper

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

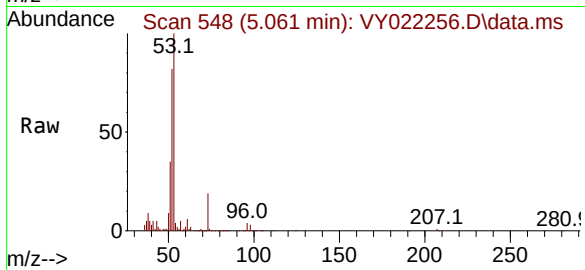
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 53 Resp: 160490

Ion Ratio Lower Upper

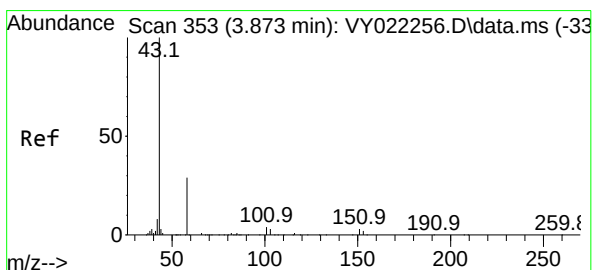
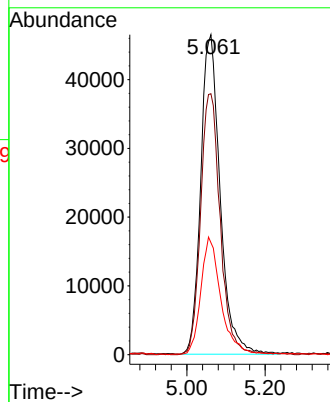
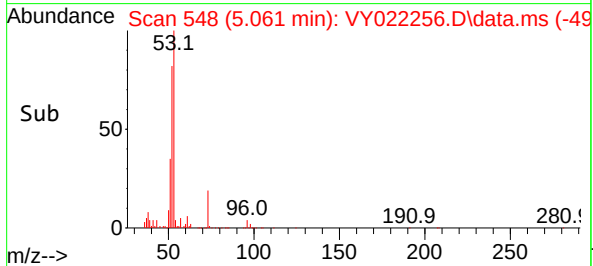
53 100

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

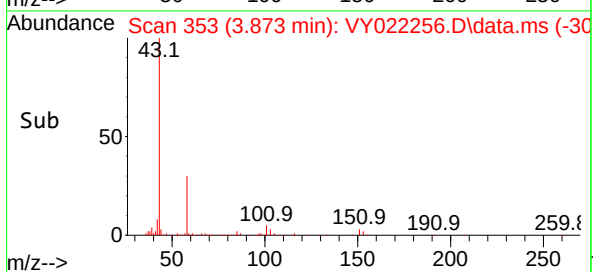
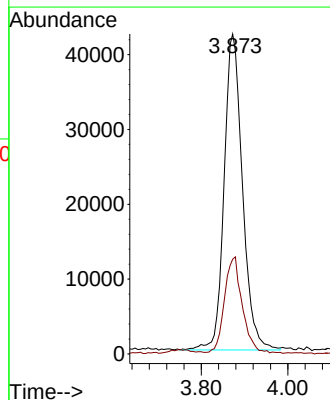
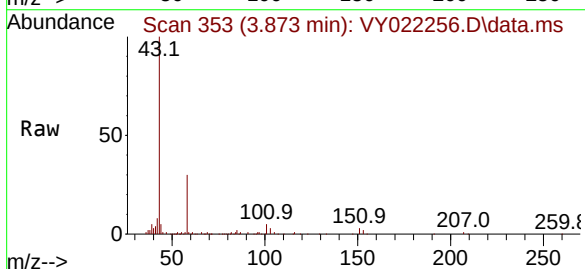
Acq: 15 May 2025 11:02

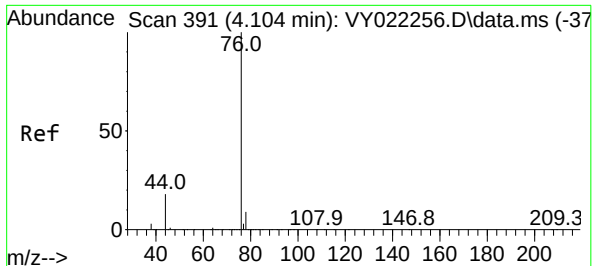
Tgt Ion: 43 Resp: 124421

Ion Ratio Lower Upper

43 100

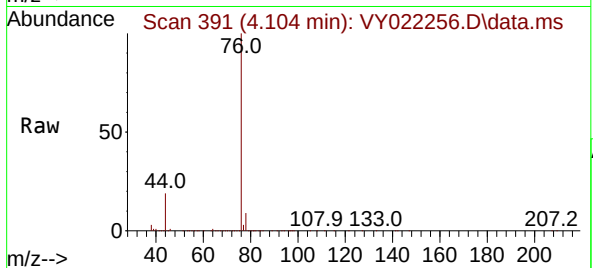
58 29.5 23.6 35.4





#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

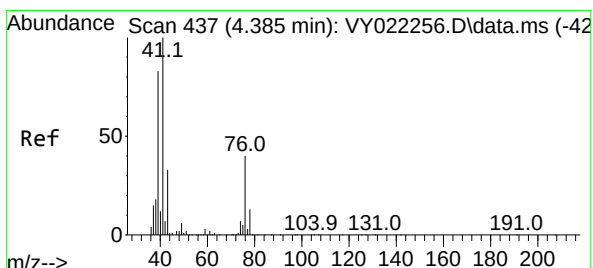
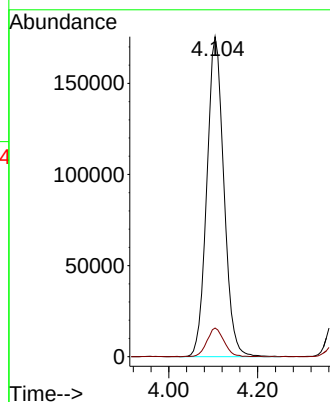
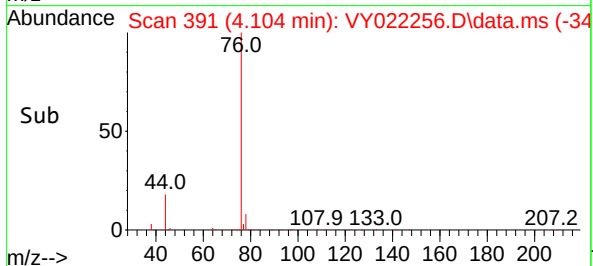
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



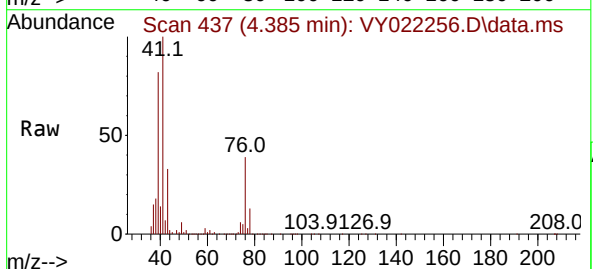
Tgt Ion: 76 Resp: 468979
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

Manual Integrations
APPROVED

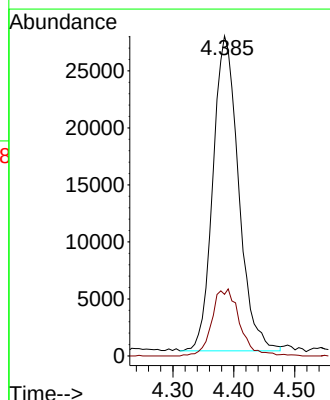
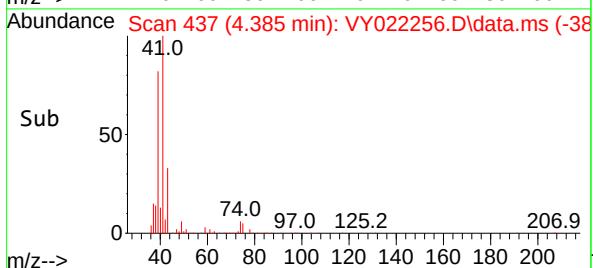
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

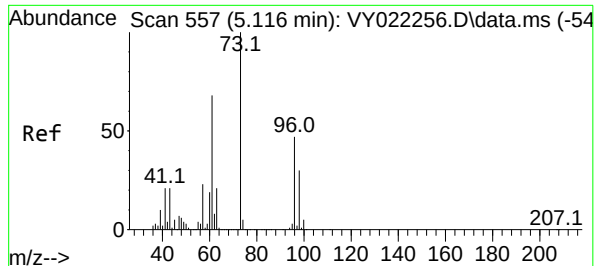


#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



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

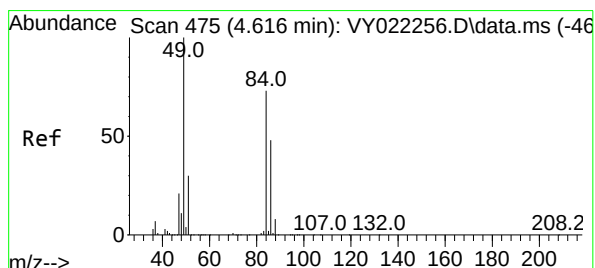
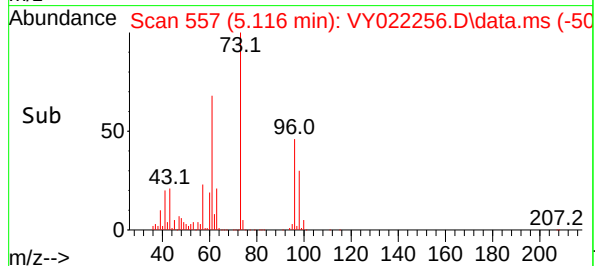
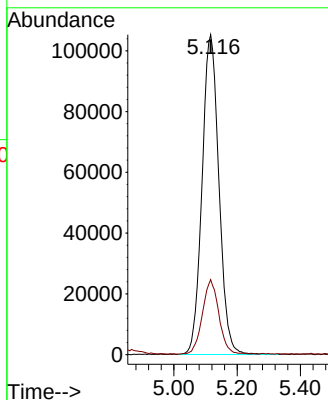
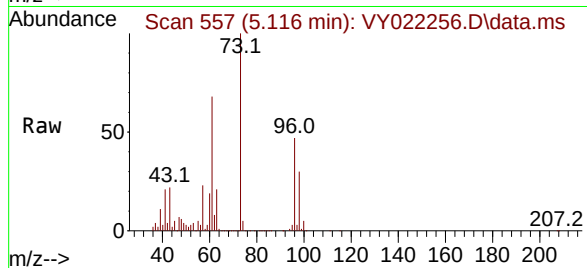
73 100

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

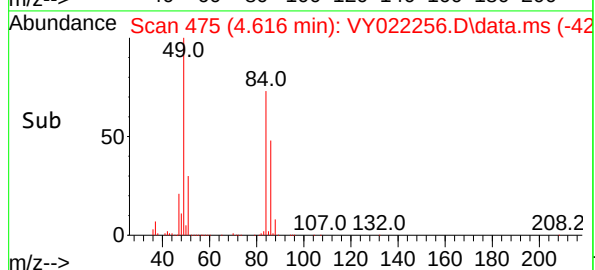
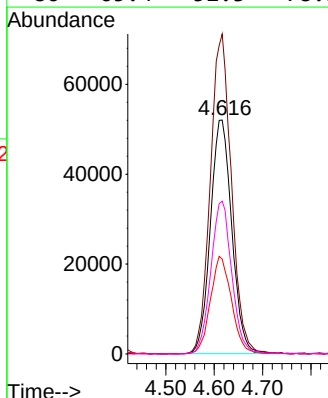
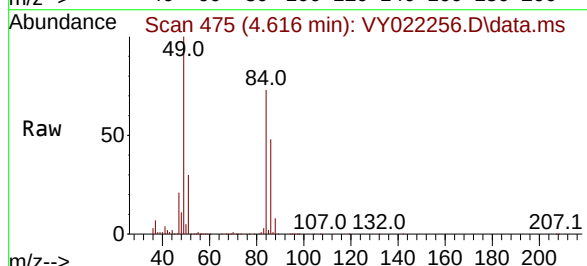
Ion Ratio Lower Upper

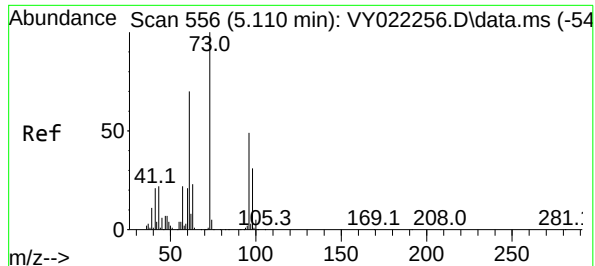
84 100

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# 51

Delta R.T. 0.000 min

Lab File: VY022256.D

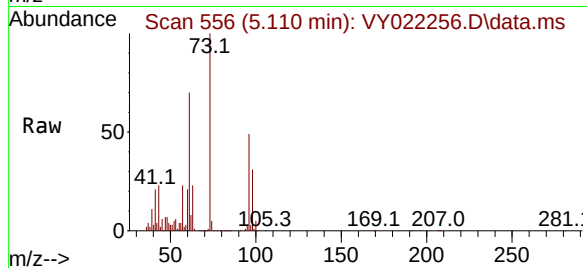
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 96 Resp: 158544

Ion Ratio Lower Upper

96 100

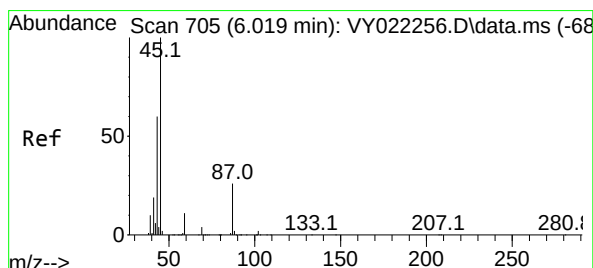
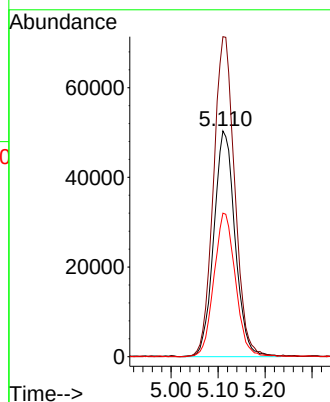
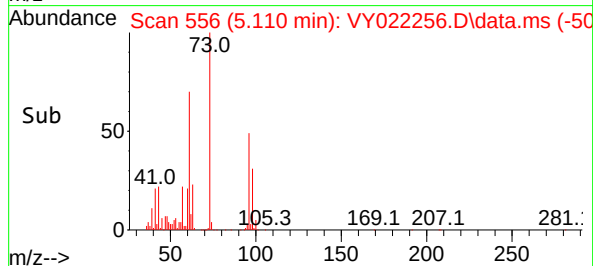
61 141.7 113.4 170.0

98 63.6 50.9 76.3

Manual Integrations

APPROVED

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



#22

Diisopropyl ether

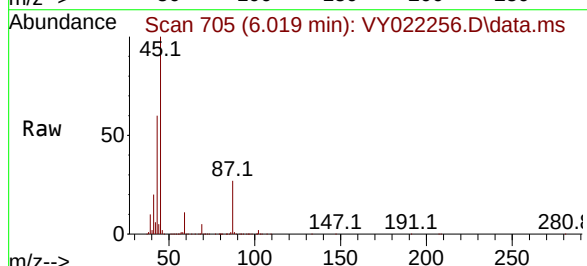
Concen: 50.152 ug/l

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

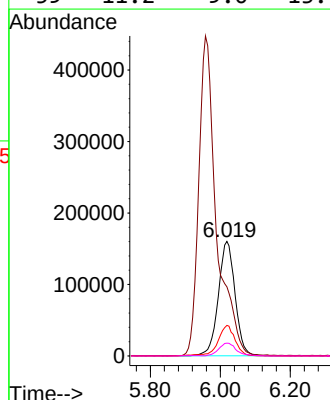
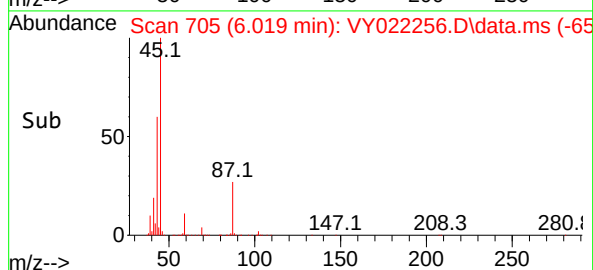
Ion Ratio Lower Upper

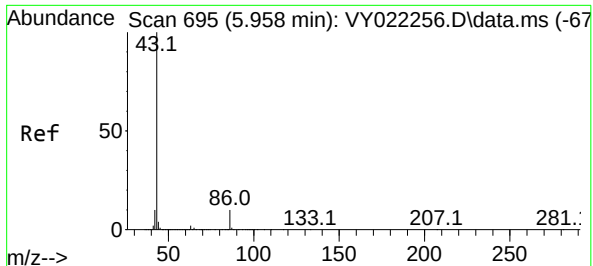
45 100

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

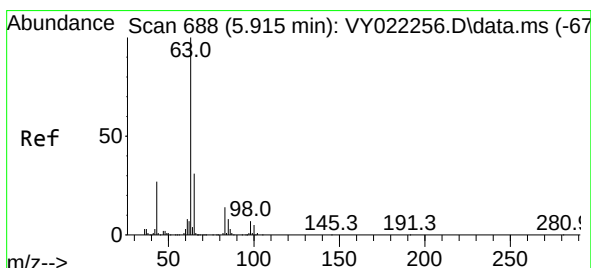
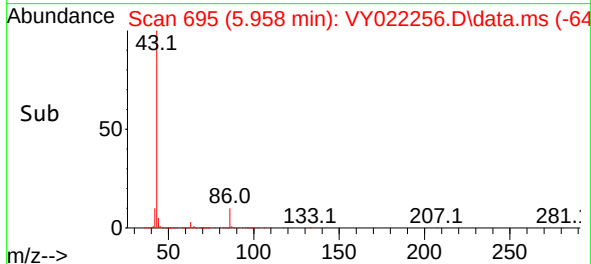
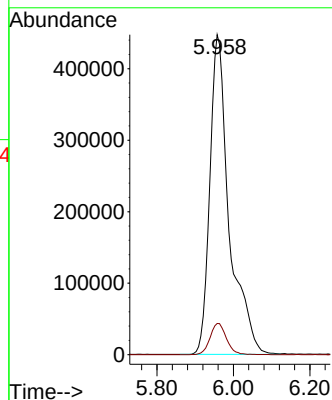
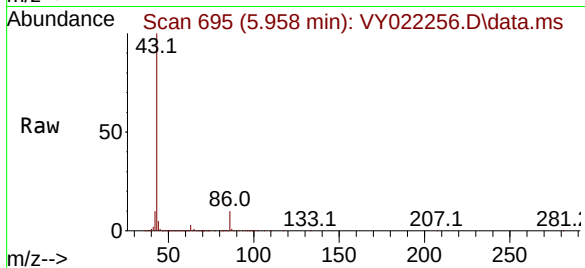
11.8

Manual Integrations

APPROVED

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

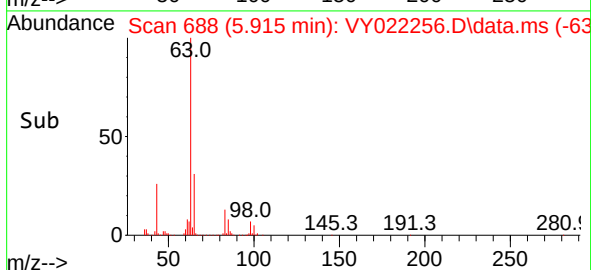
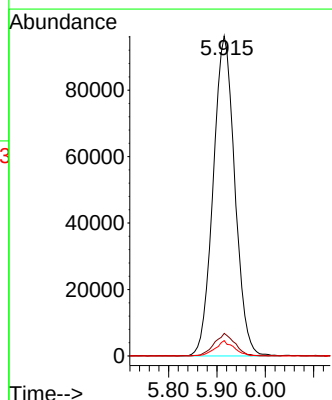
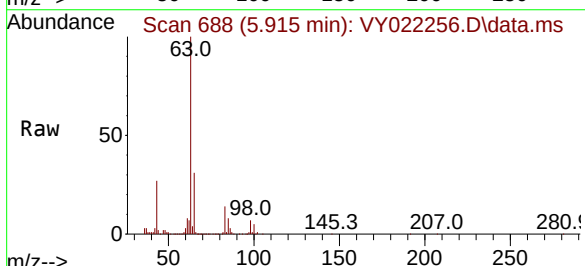
10.5

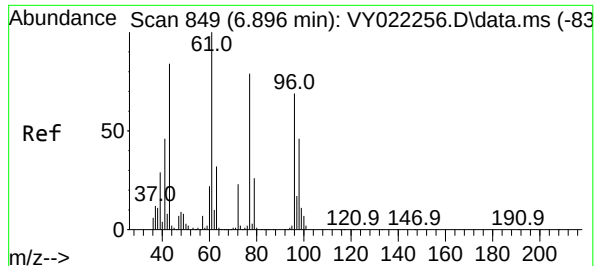
100

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

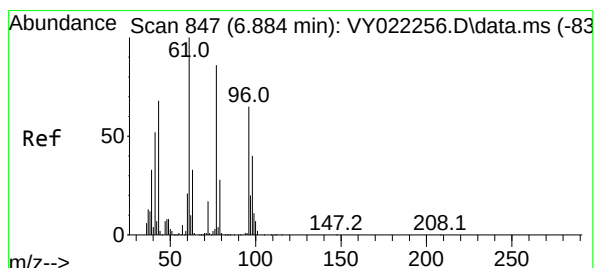
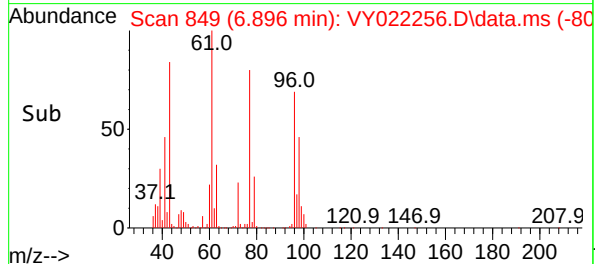
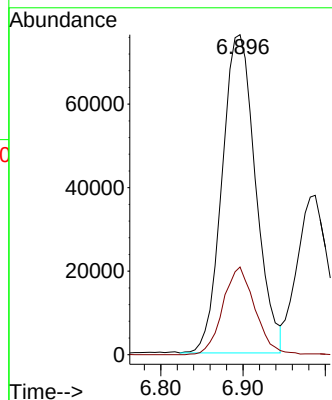
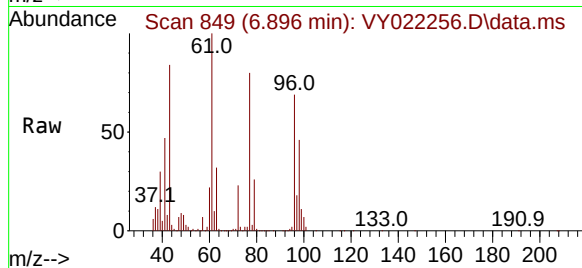
43 100

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

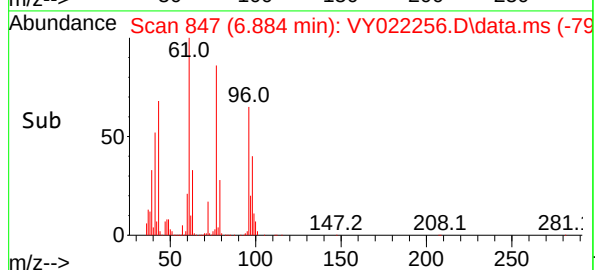
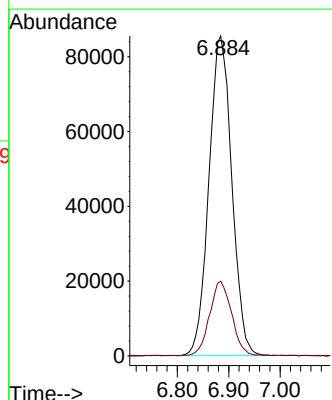
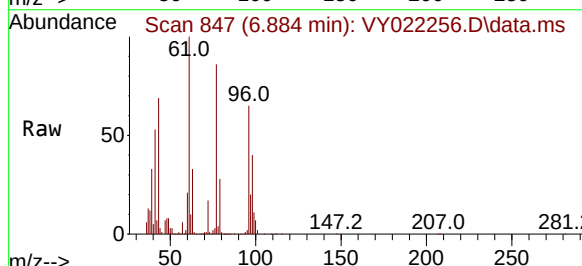
Acq: 15 May 2025 11:02

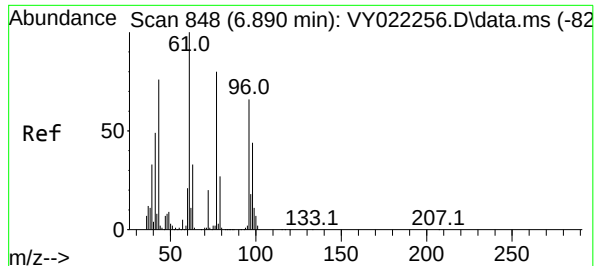
Tgt Ion: 77 Resp: 264141

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

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 18484

Ion Ratio Lower Upper

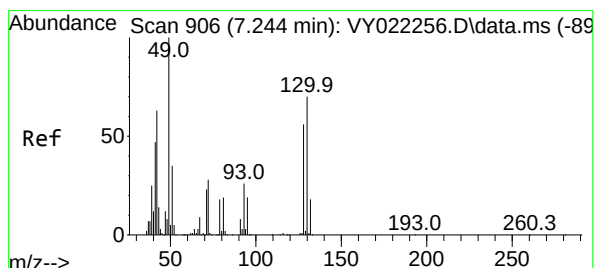
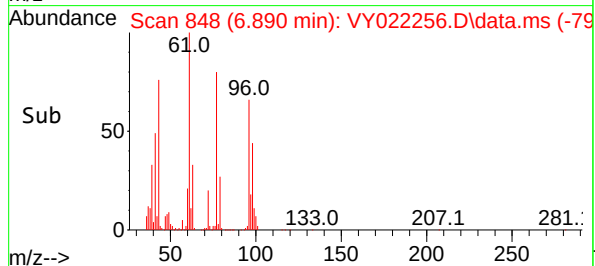
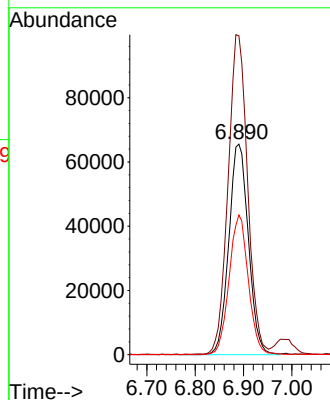
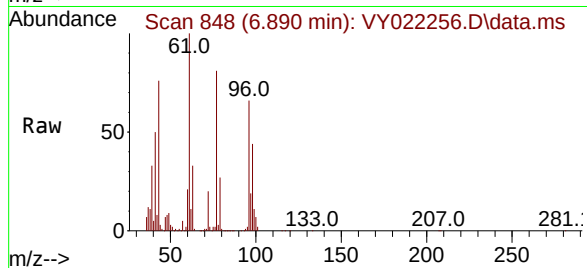
96 100

61 151.3 0.0 302.6

98 64.4 0.0 128.8

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

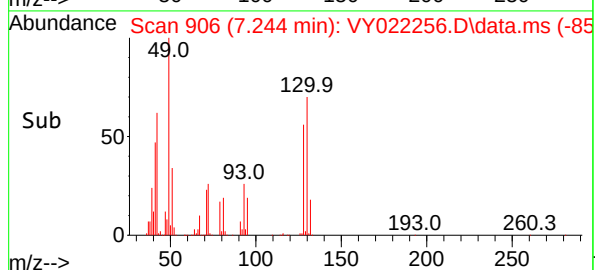
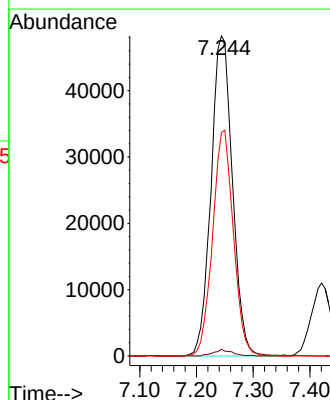
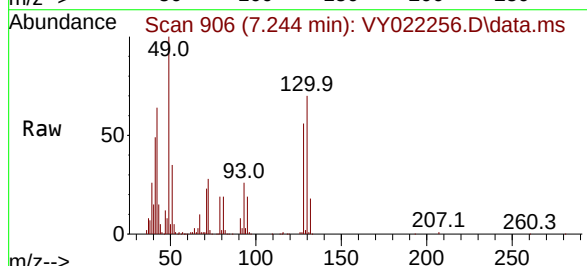
Tgt Ion: 49 Resp: 126541

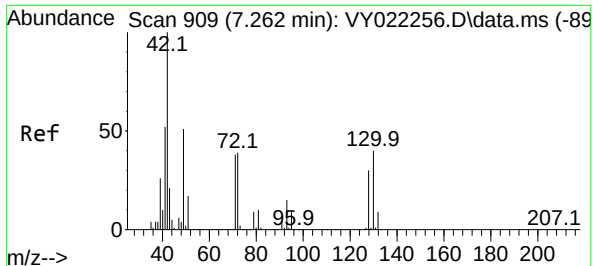
Ion Ratio Lower Upper

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

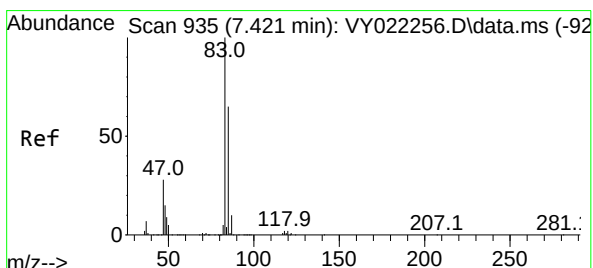
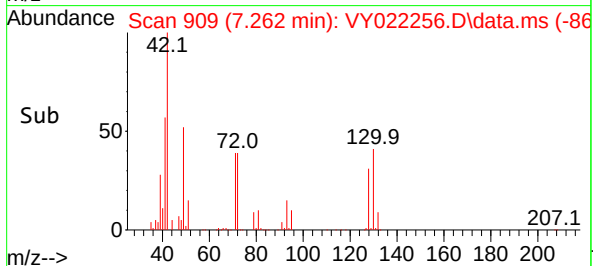
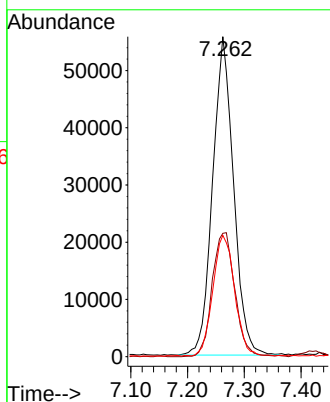
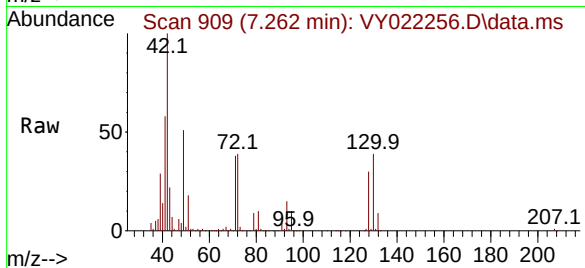
71 39.4 31.5 47.3

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

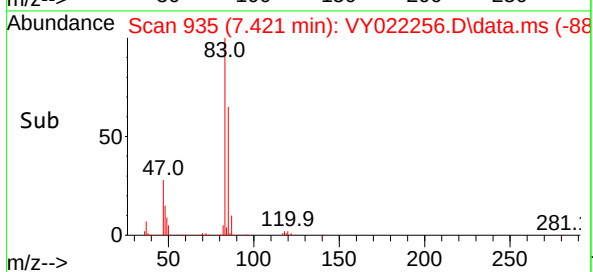
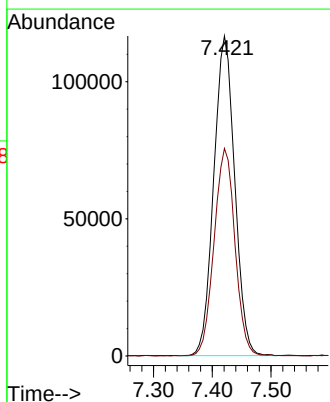
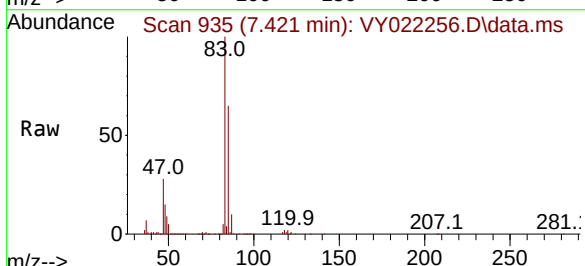
Acq: 15 May 2025 11:02

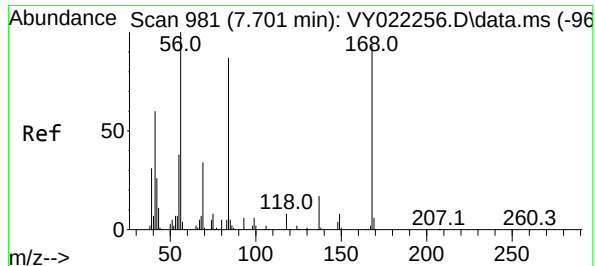
Tgt Ion: 83 Resp: 288708

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

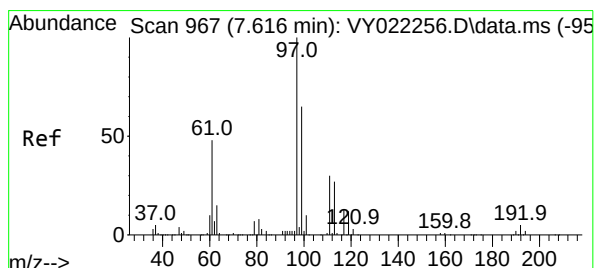
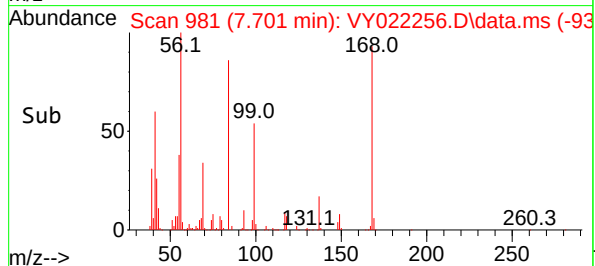
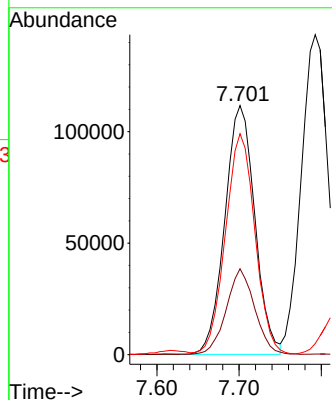
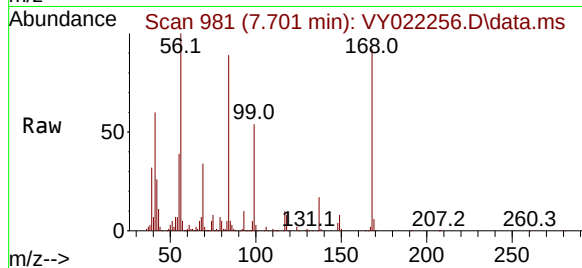
56 100

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

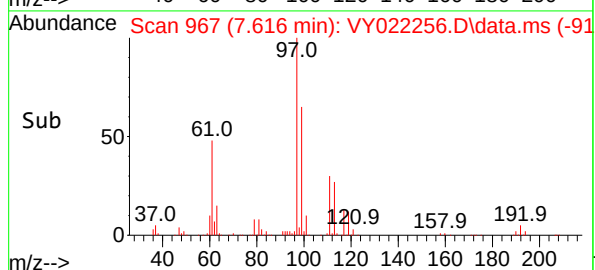
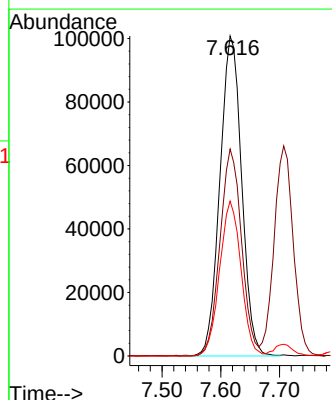
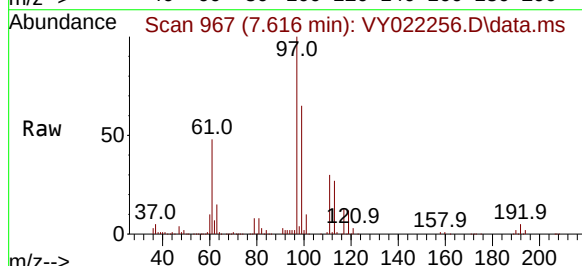
Tgt Ion: 97 Resp: 259382

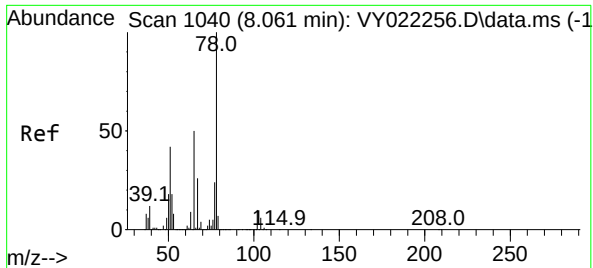
Ion Ratio Lower Upper

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

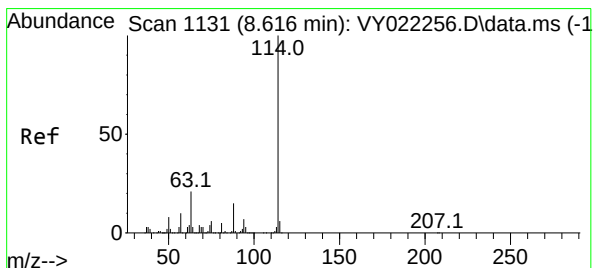
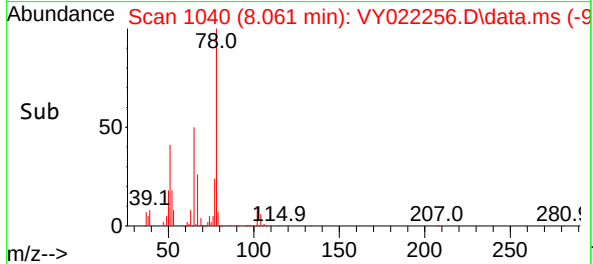
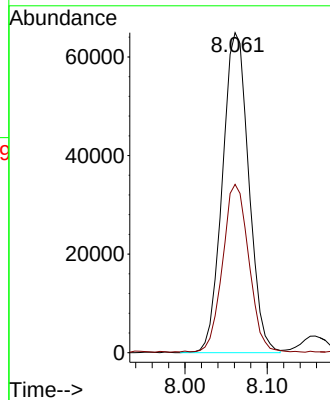
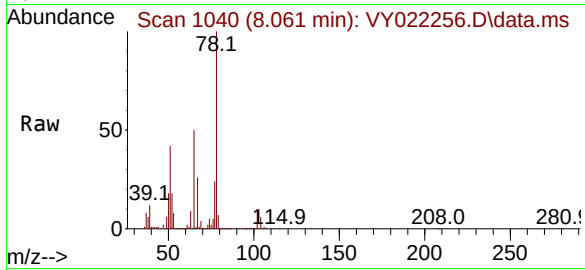
Ion Ratio Lower Upper

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

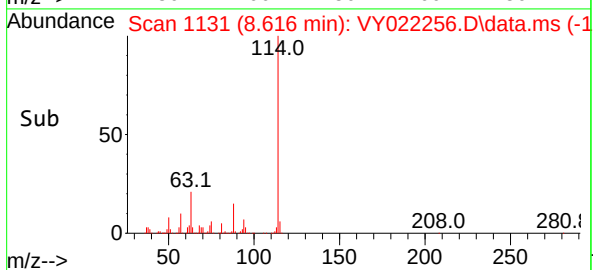
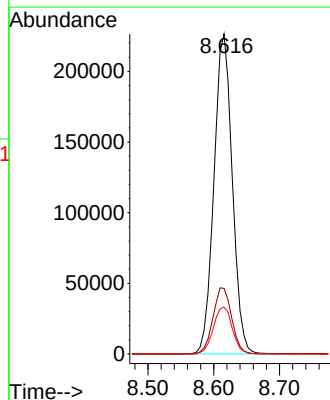
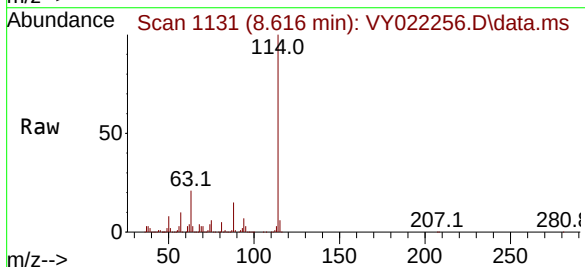
Tgt Ion:114 Resp: 439323

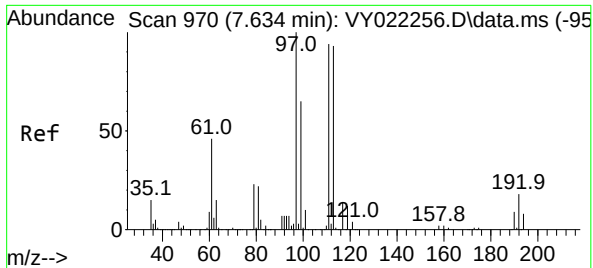
Ion Ratio Lower Upper

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

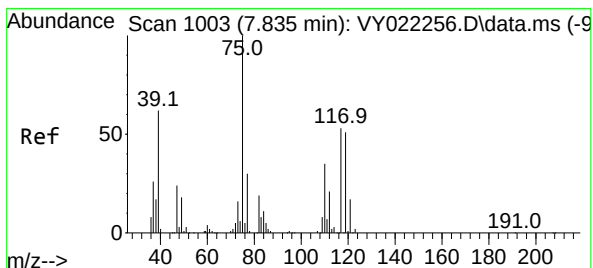
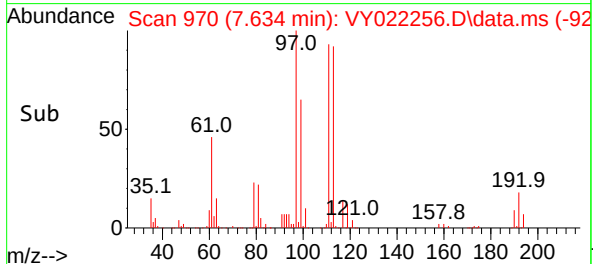
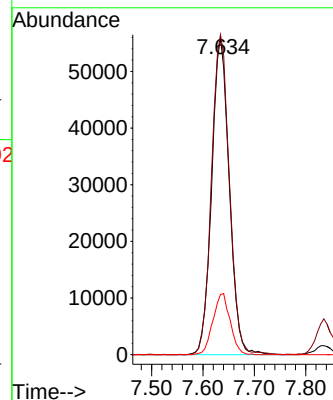
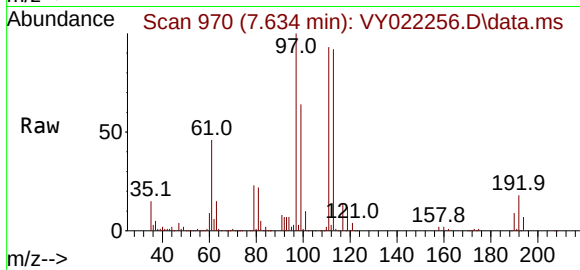
192 19.0 15.2 22.8

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

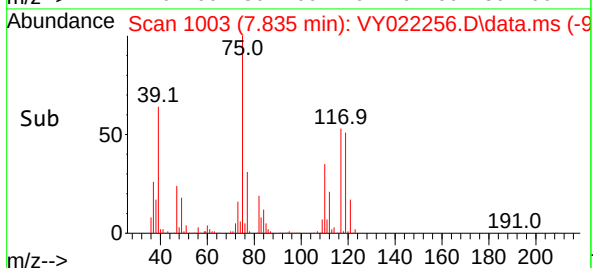
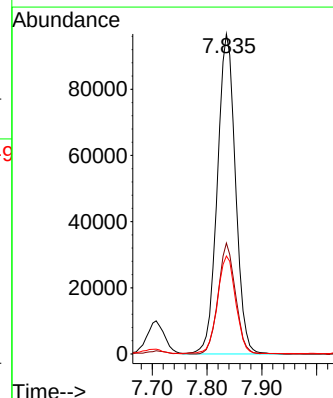
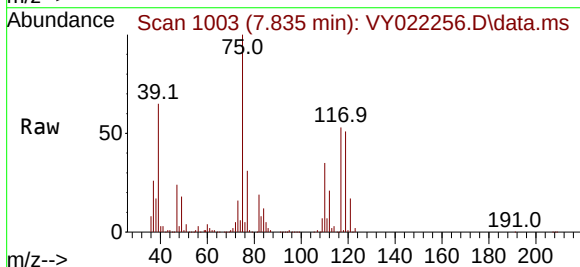
Tgt Ion: 75 Resp: 221943

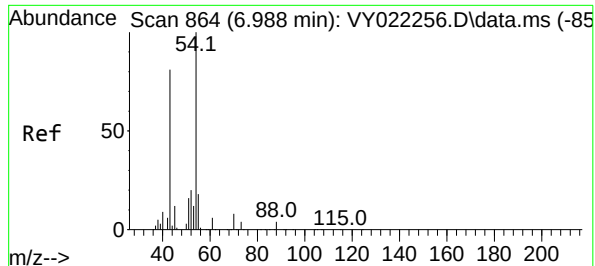
Ion Ratio Lower Upper

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

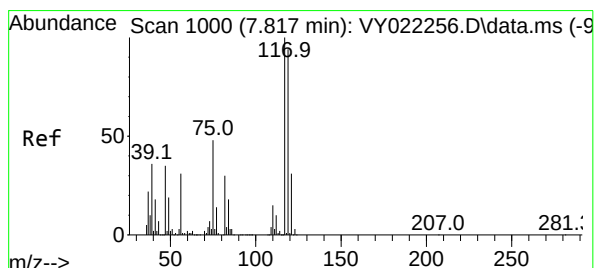
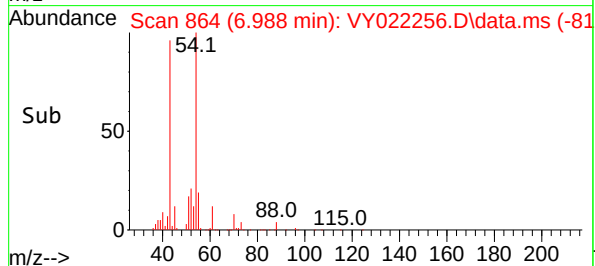
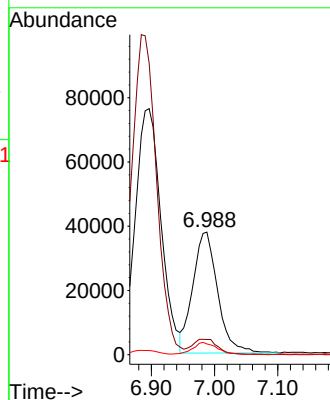
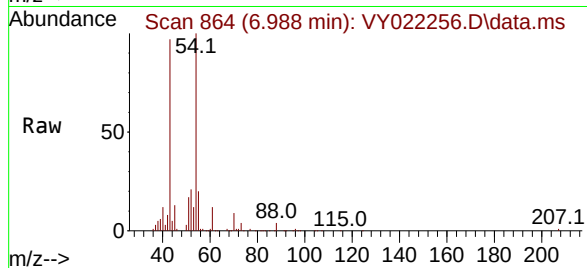
61 12.7 10.2 15.2

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

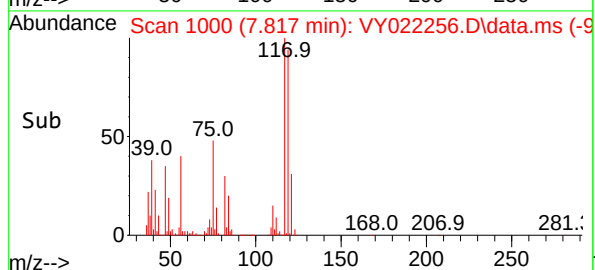
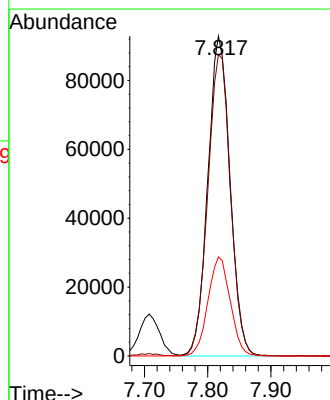
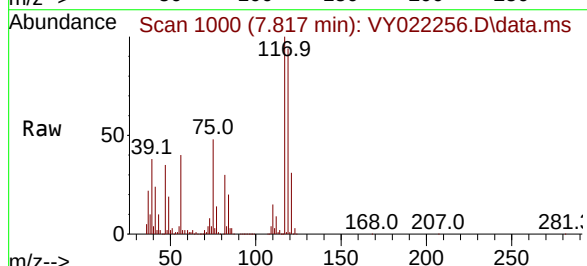
Tgt Ion:117 Resp: 226903

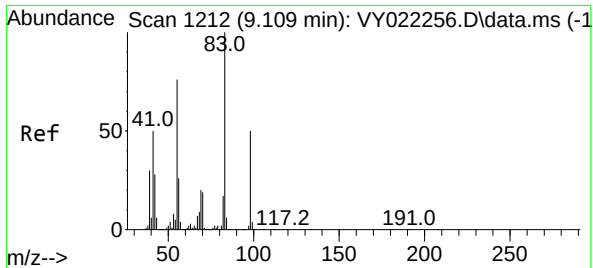
Ion Ratio Lower Upper

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

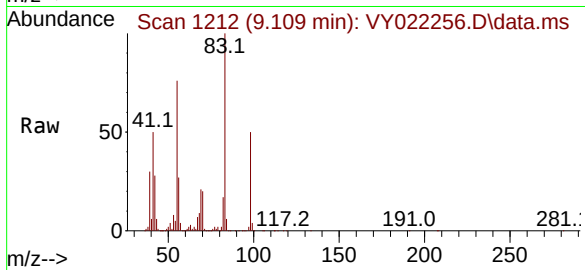
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 83 Resp: 294330

Ion Ratio Lower Upper

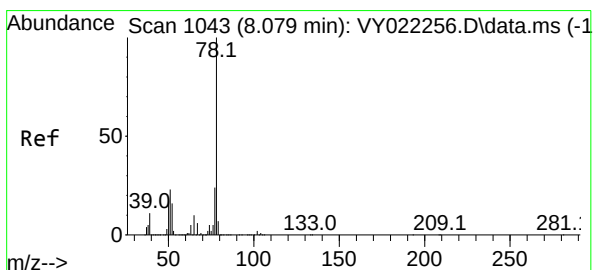
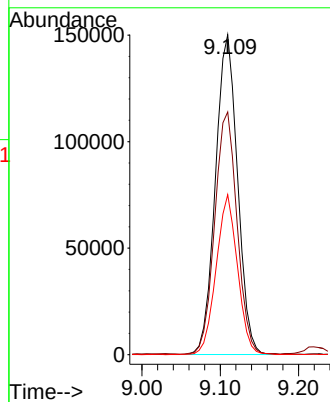
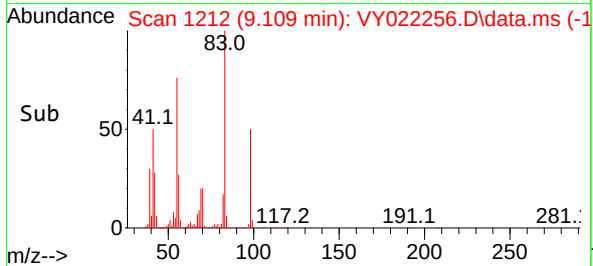
83 100

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

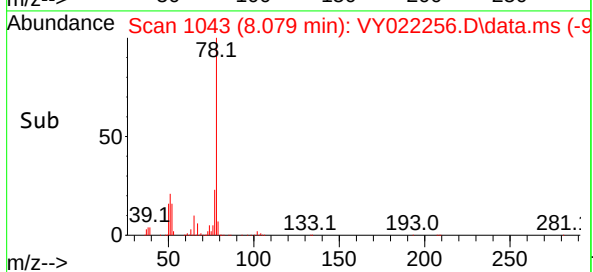
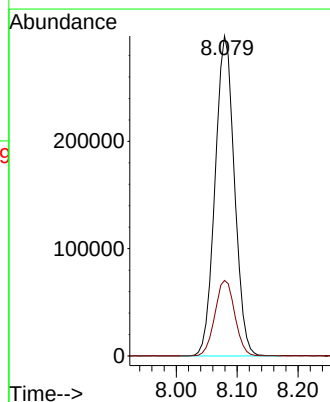
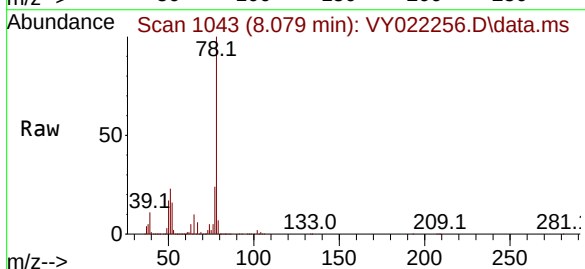
Acq: 15 May 2025 11:02

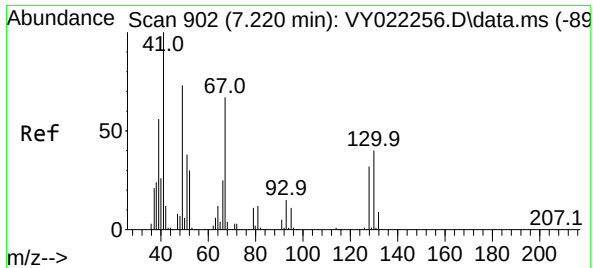
Tgt Ion: 78 Resp: 658644

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





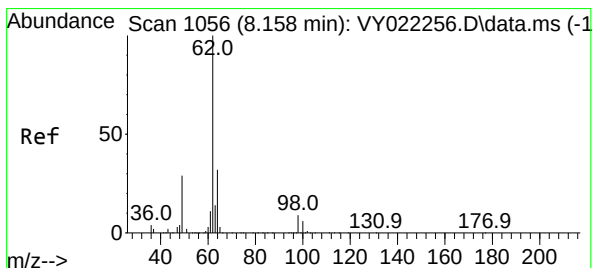
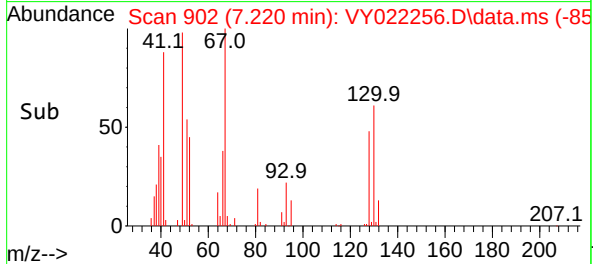
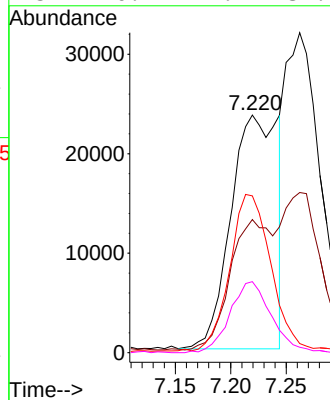
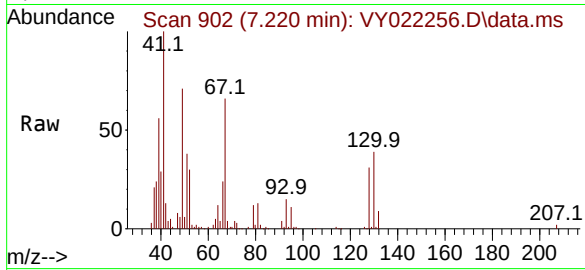
#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

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

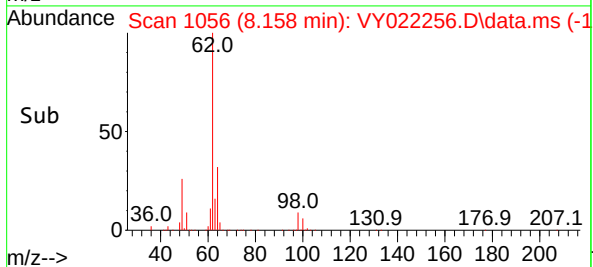
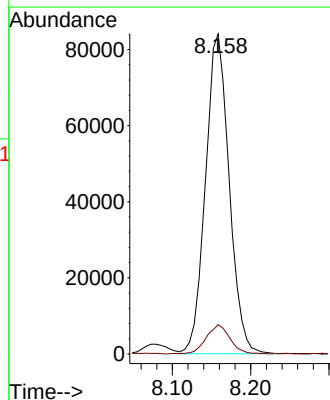
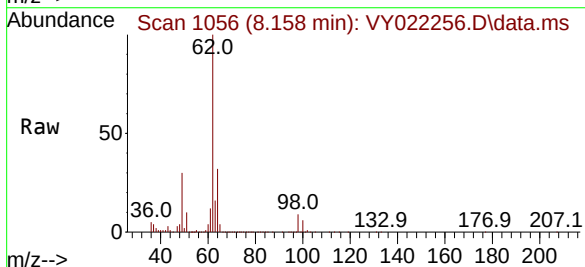
Manual Integrations
APPROVED

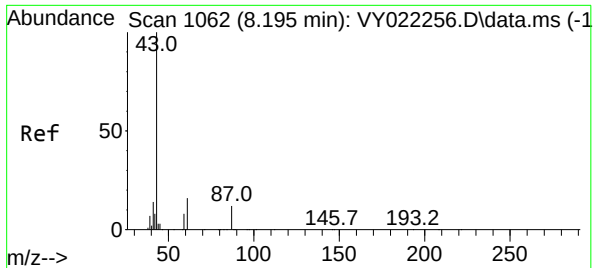
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

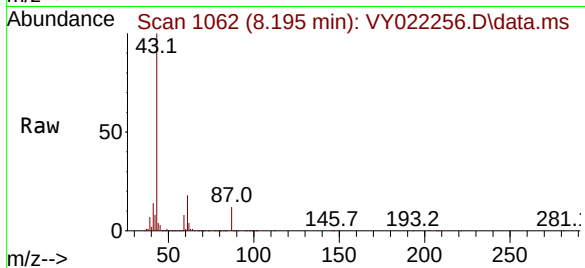
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 43 Resp: 225628

Ion Ratio Lower Upper

43 100

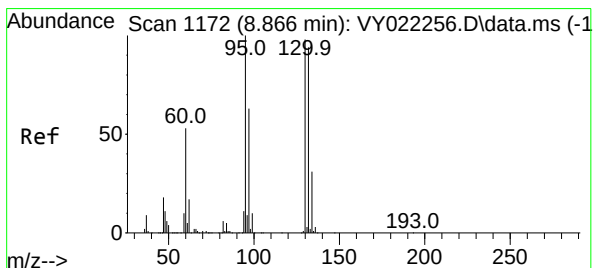
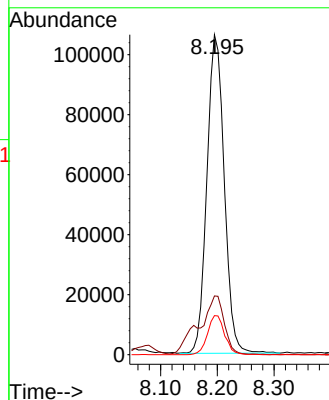
61 18.9 15.1 22.7

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

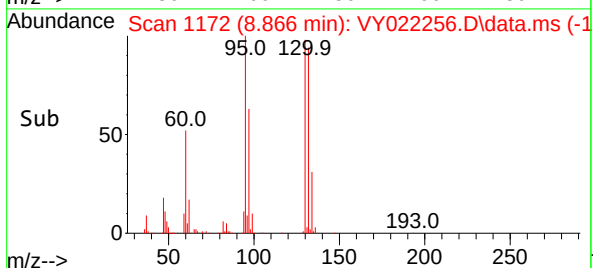
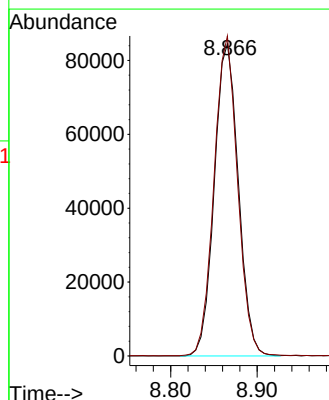
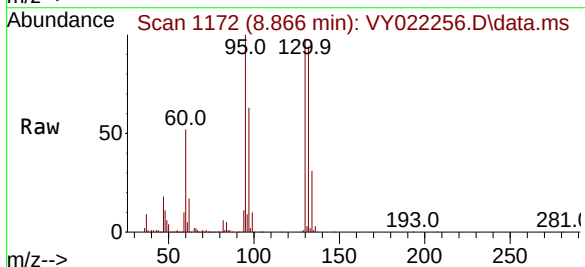
Acq: 15 May 2025 11:02

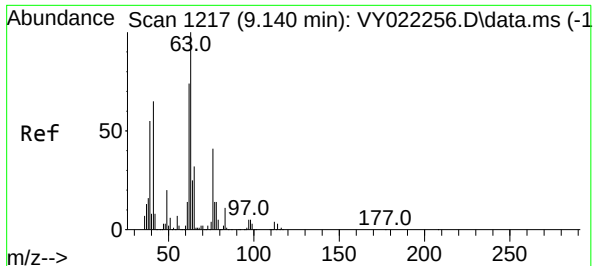
Tgt Ion:130 Resp: 162802

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

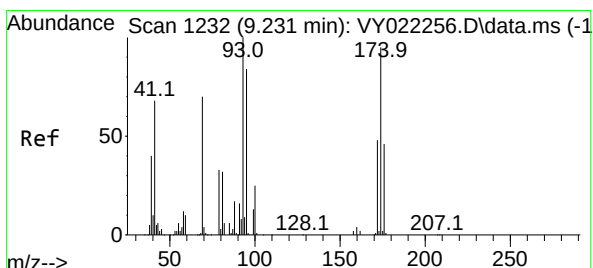
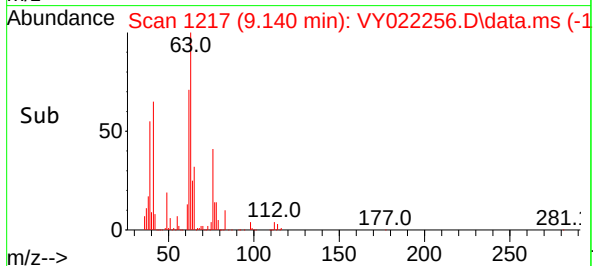
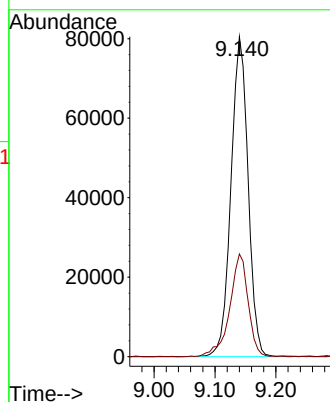
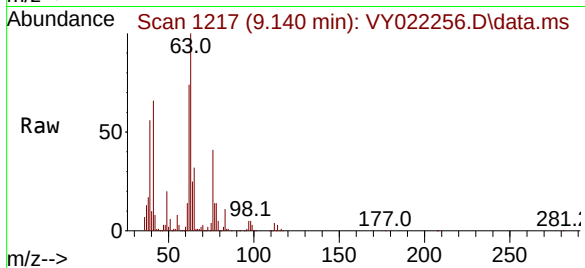
63 100

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

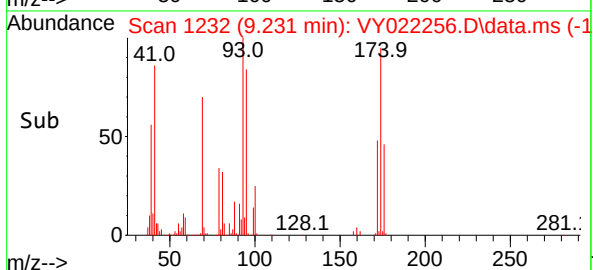
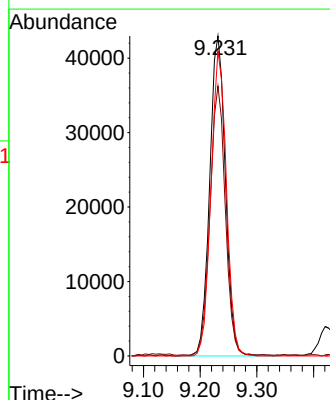
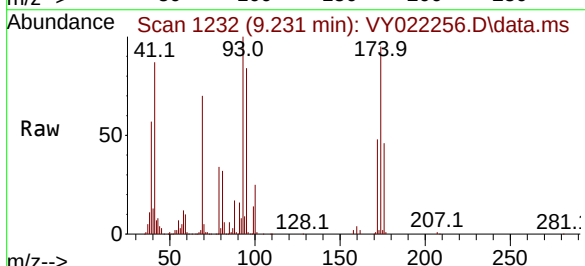
Tgt Ion: 93 Resp: 82994

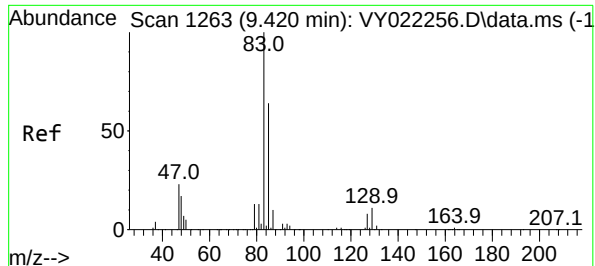
Ion Ratio Lower Upper

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: 222159

Ion Ratio Lower Upper

83 100

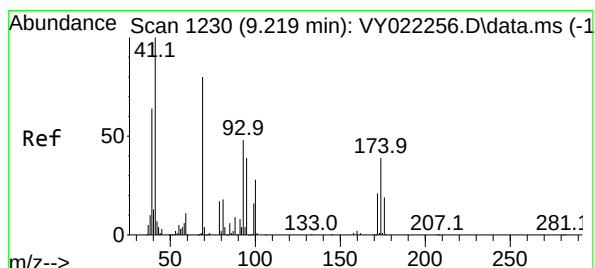
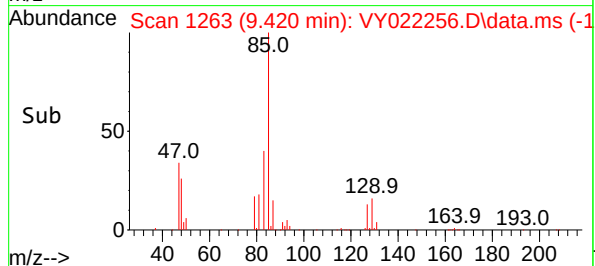
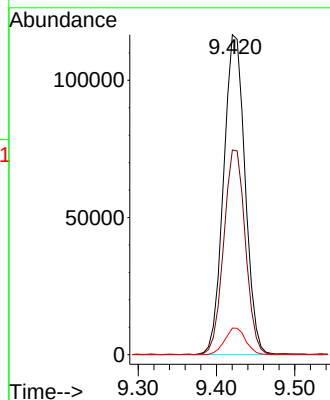
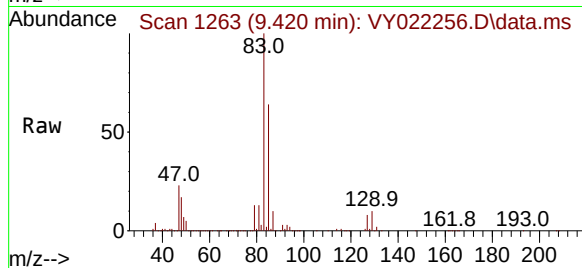
85 63.9 51.1 76.7

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

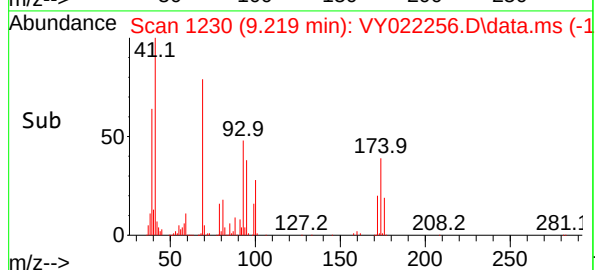
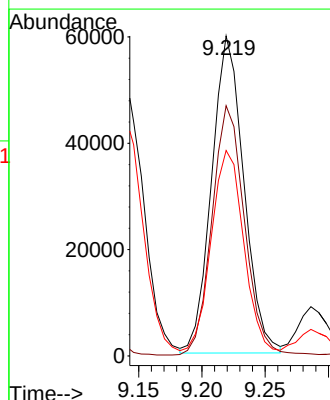
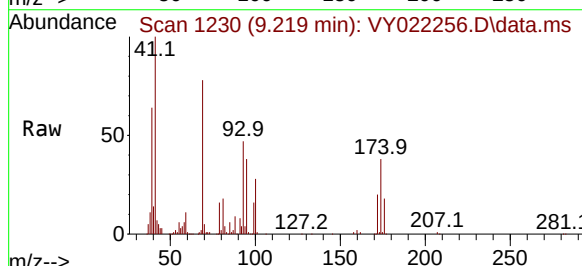
Tgt Ion: 41 Resp: 105390

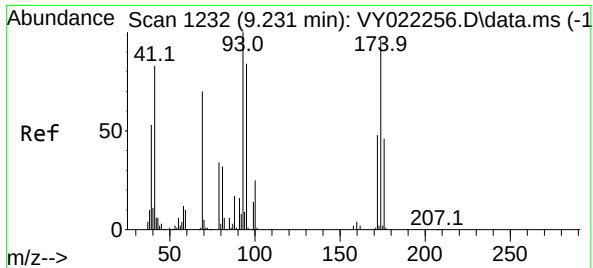
Ion Ratio Lower Upper

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

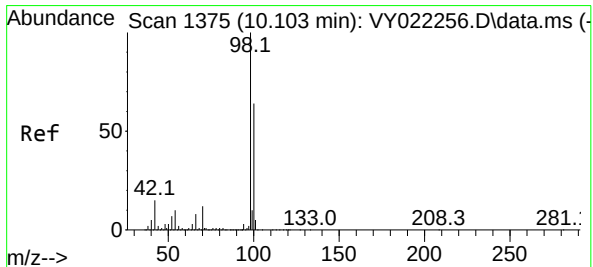
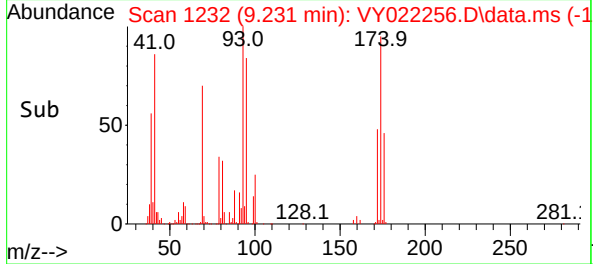
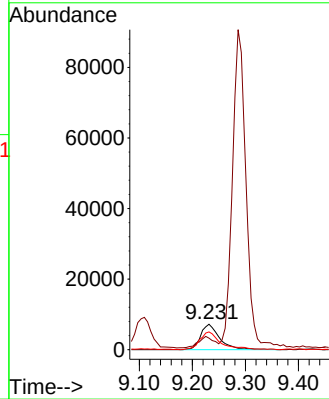
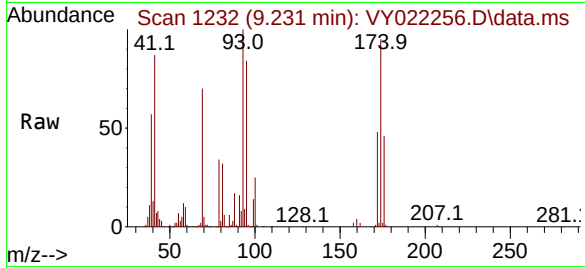
58 76.8 61.4 92.2

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

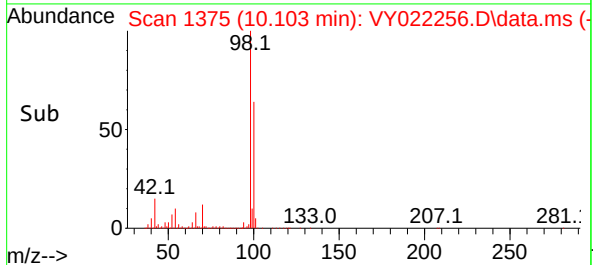
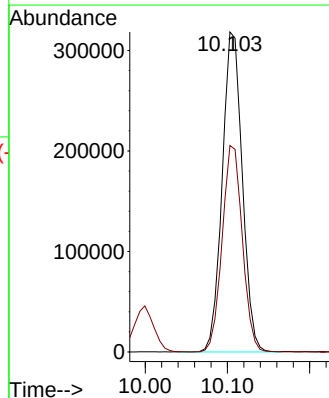
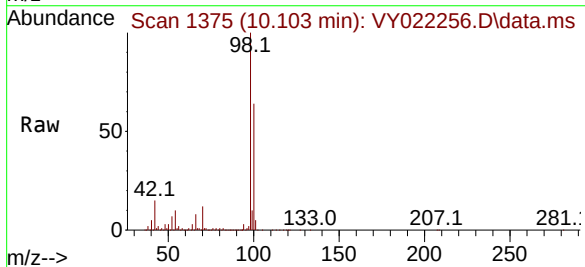
Acq: 15 May 2025 11:02

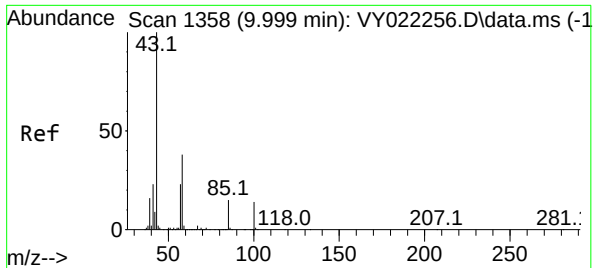
Tgt Ion: 98 Resp: 540296

Ion Ratio Lower Upper

98 100

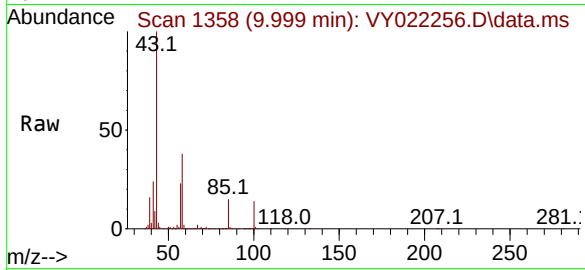
100 64.8 51.8 77.8





#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

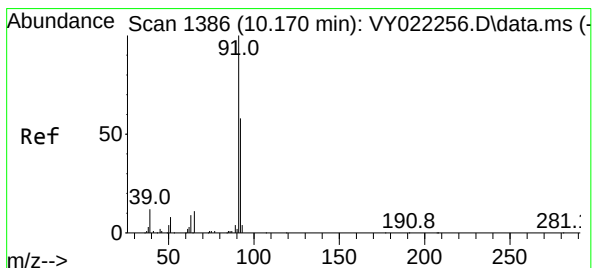
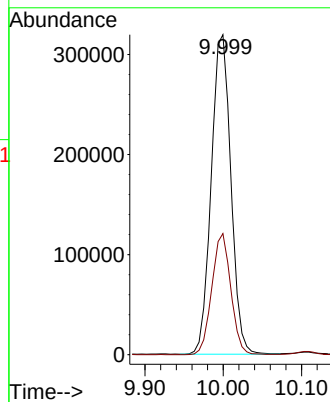
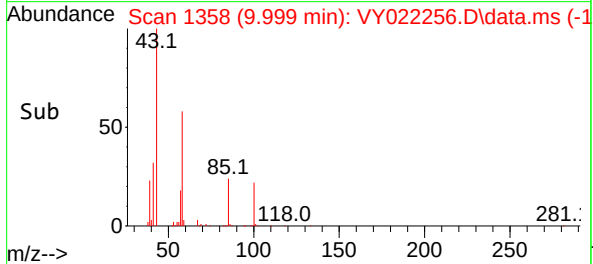
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 55612
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2

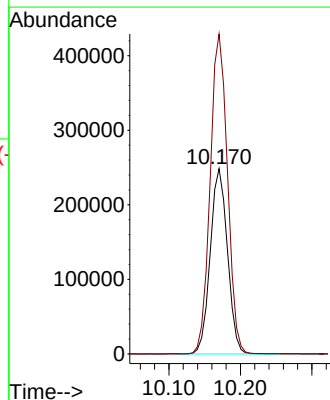
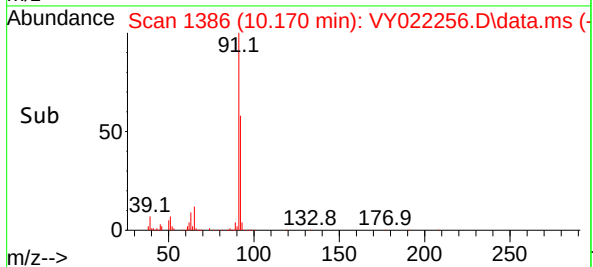
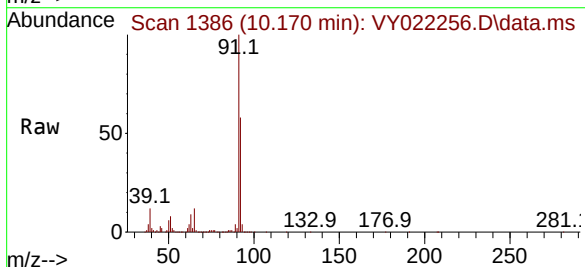
Manual Integrations
APPROVED

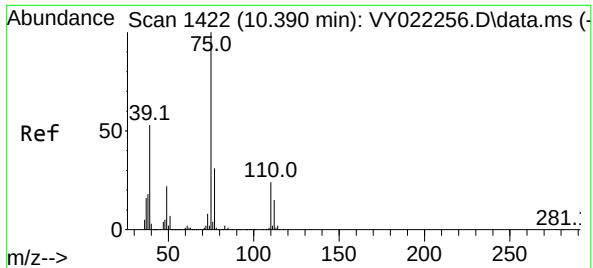
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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





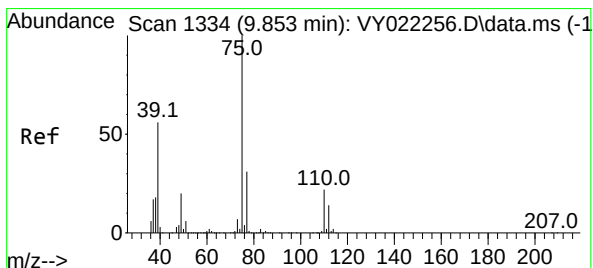
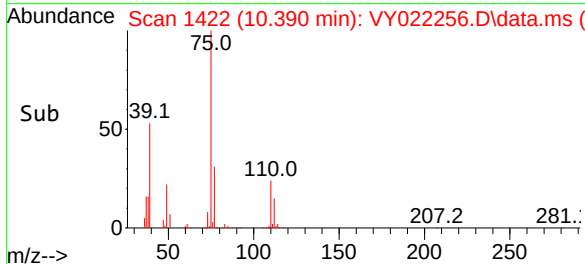
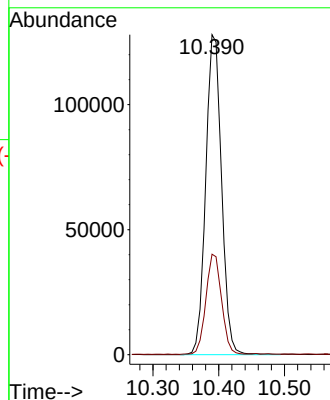
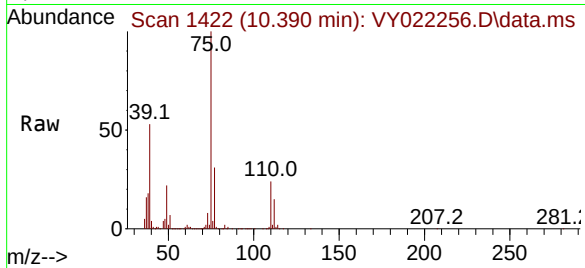
#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

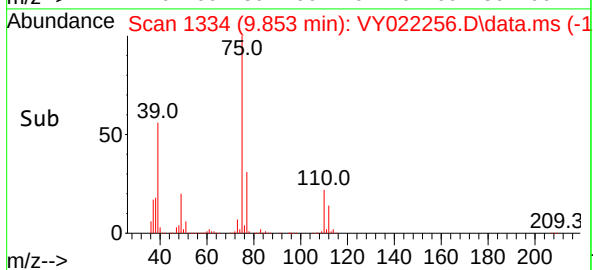
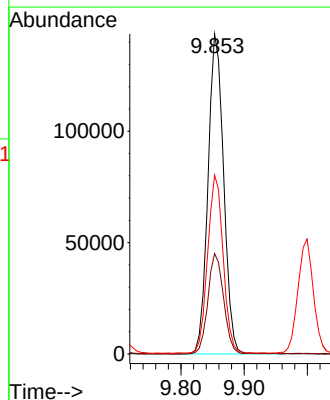
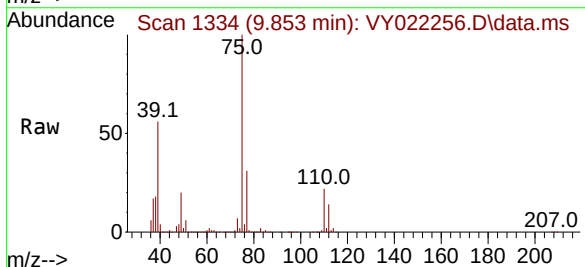
Manual Integrations
APPROVED

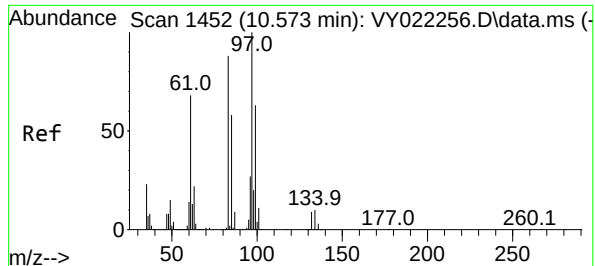
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

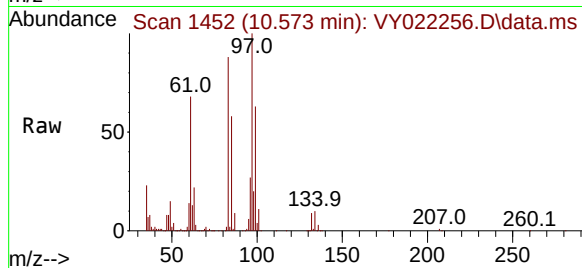
Tgt Ion: 75 Resp: 246990
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 55.6 44.5 66.7





#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

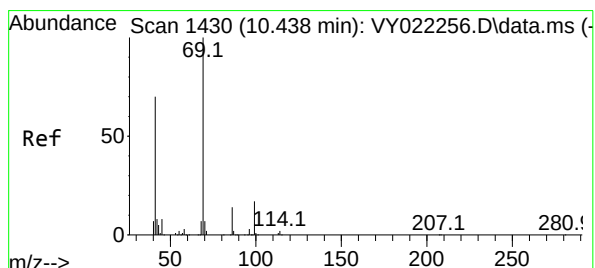
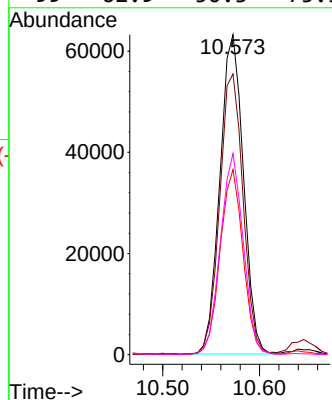
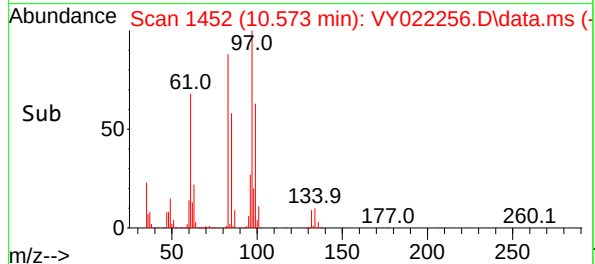
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

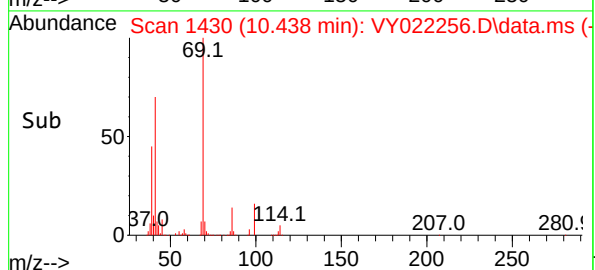
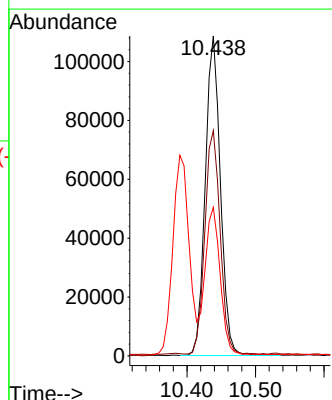
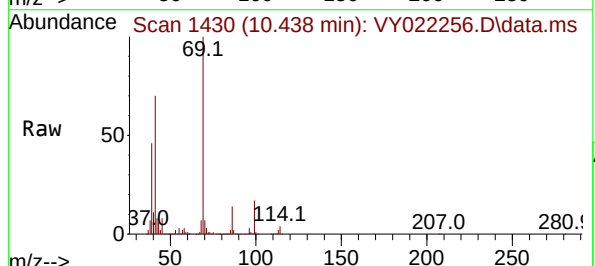
Manual Integrations
APPROVED

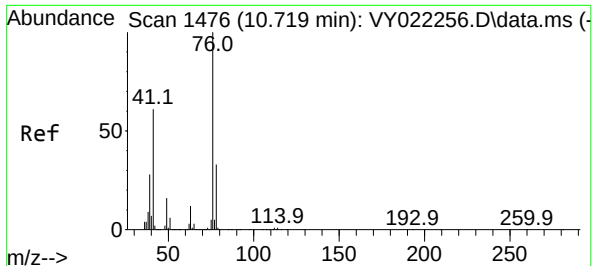
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

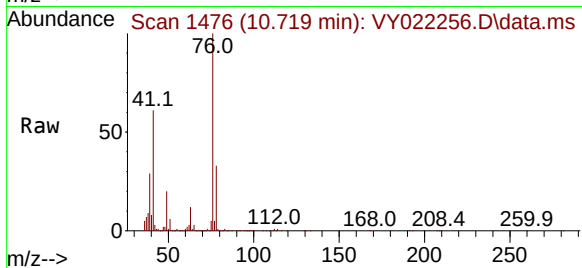
Tgt Ion: 69 Resp: 167259
Ion Ratio Lower Upper
69 100
41 70.6 56.5 84.7
39 46.4 37.1 55.7





#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

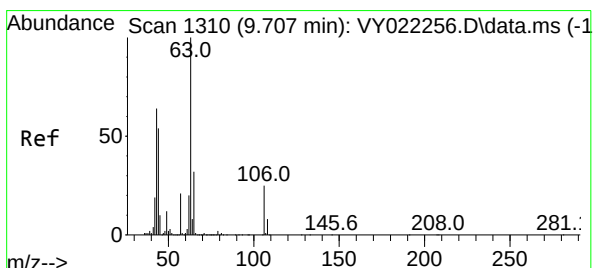
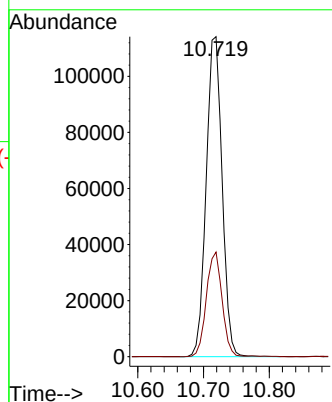
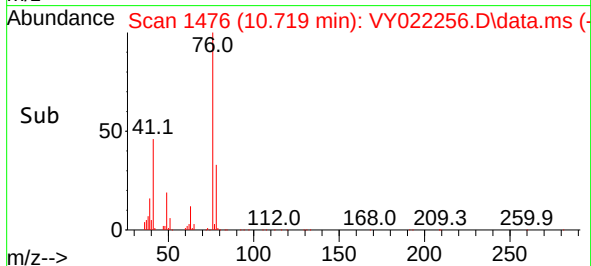
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



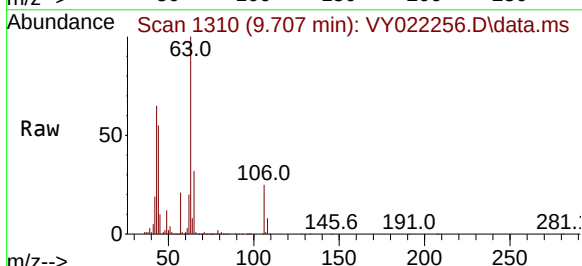
Tgt Ion: 76 Resp: 192279
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

Manual Integrations
APPROVED

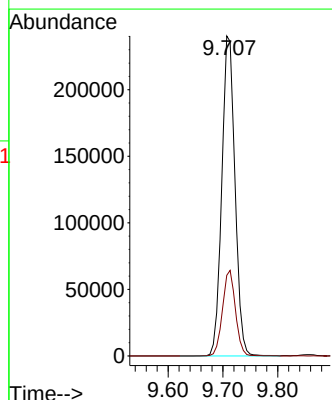
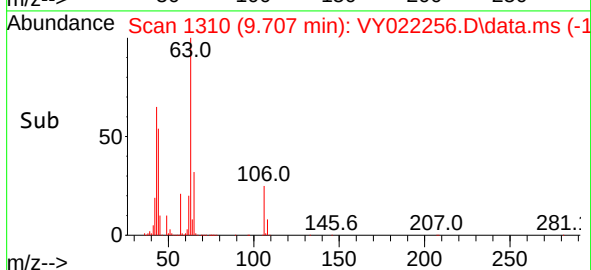
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

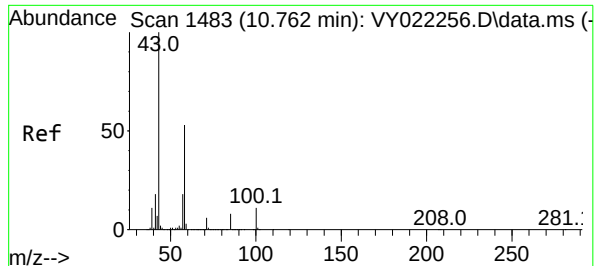


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



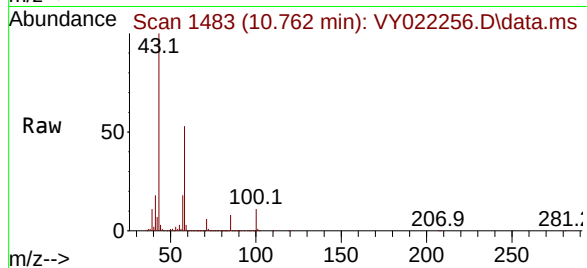
Tgt Ion: 63 Resp: 403074
Ion Ratio Lower Upper
63 100
106 26.2 21.0 31.4





#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

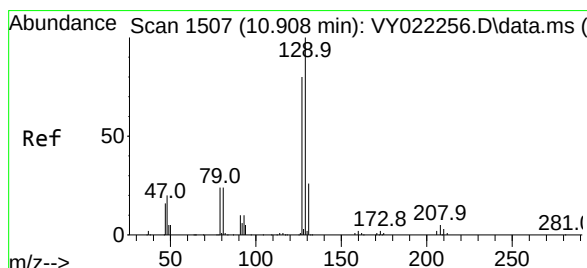
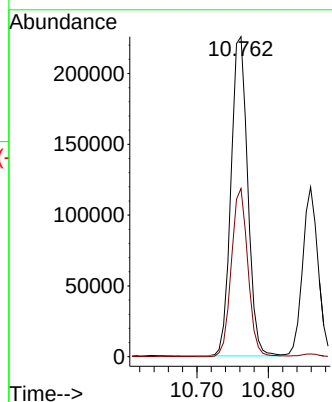
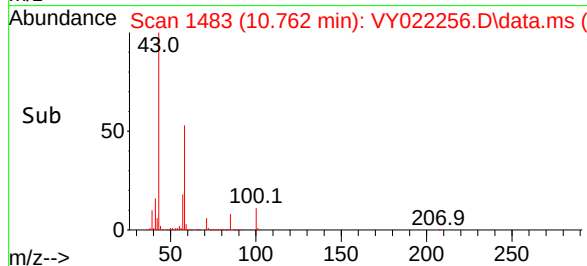
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



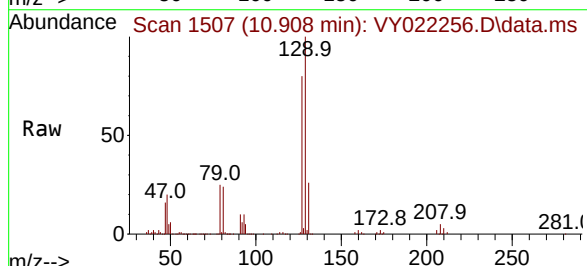
Tgt Ion: 43 Resp: 36511
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

Manual Integrations
APPROVED

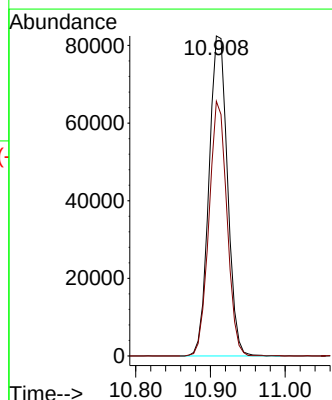
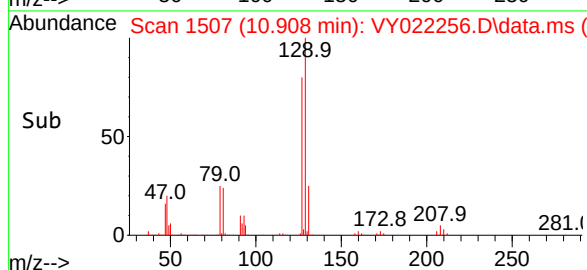
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

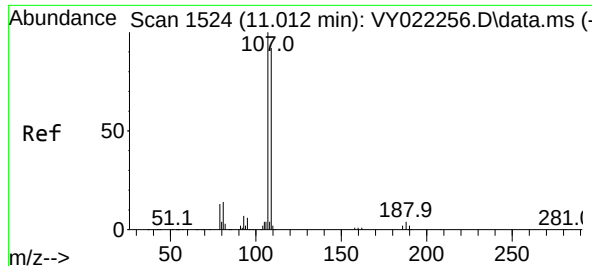


#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



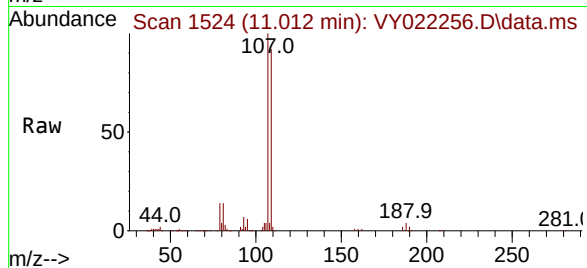
Tgt Ion:129 Resp: 141896
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#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

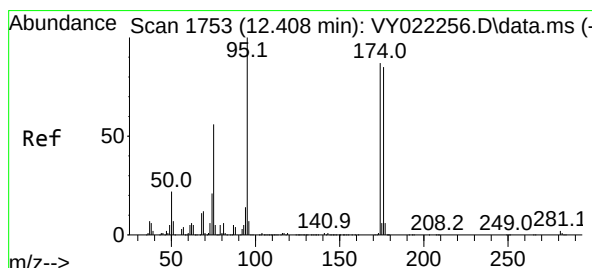
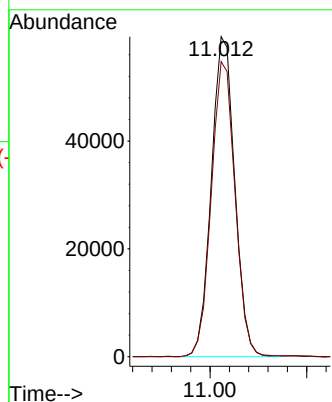
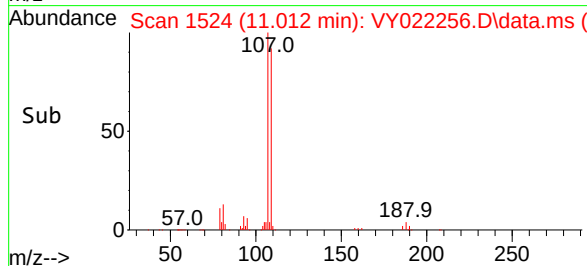
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

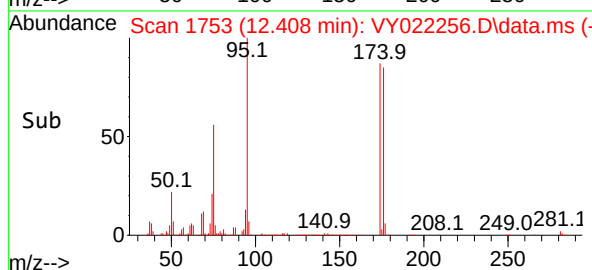
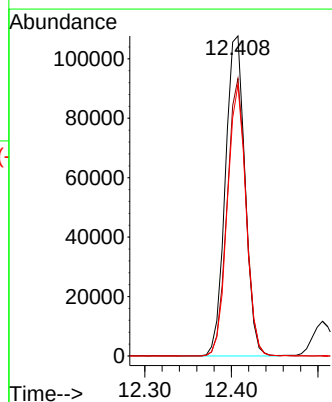
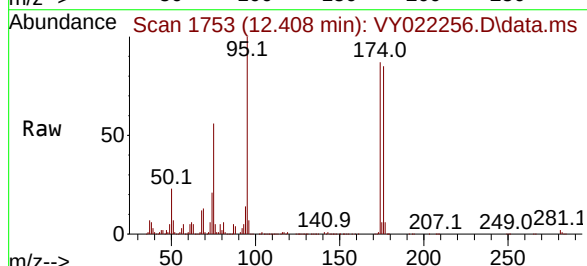
Manual Integrations
APPROVED

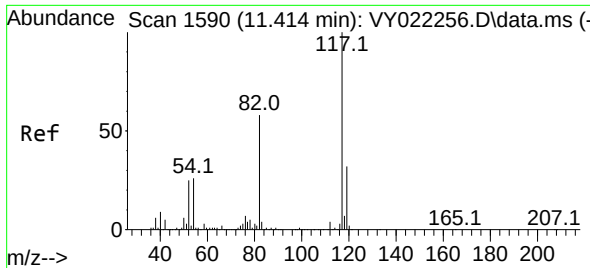
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

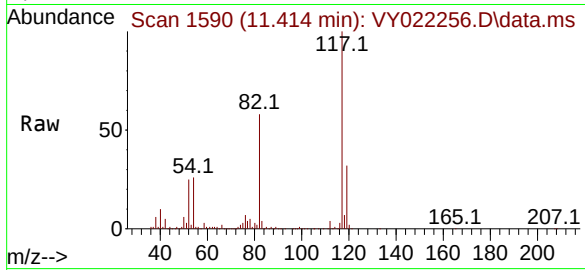
Tgt Ion: 95 Resp: 169827
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 80.4 0.0 160.8





#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

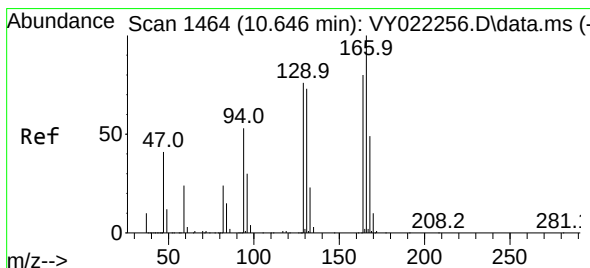
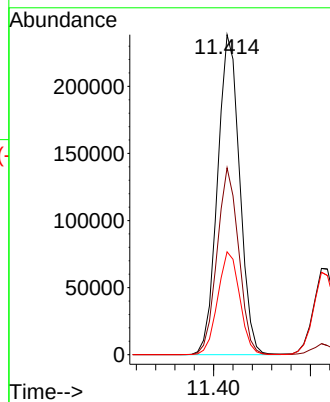
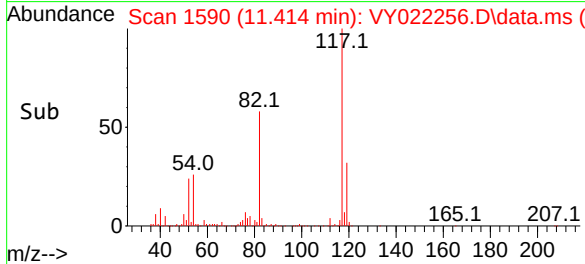
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



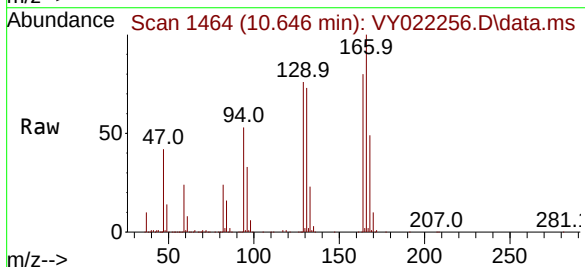
Tgt Ion:117 Resp: 37757
Ion Ratio Lower Upper
117 100
82 58.3 46.6 70.0
119 32.2 25.8 38.6

Manual Integrations
APPROVED

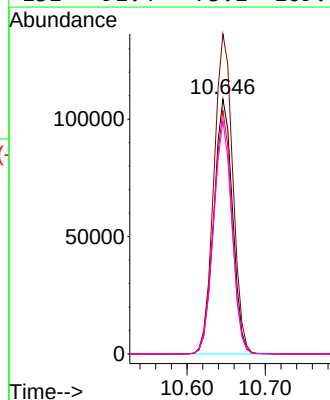
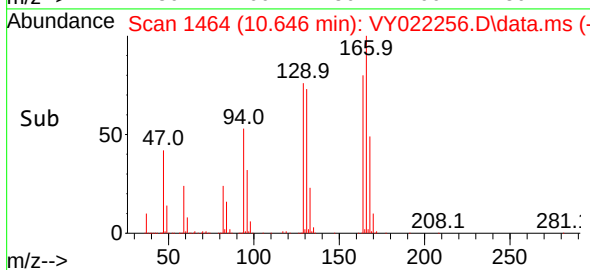
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

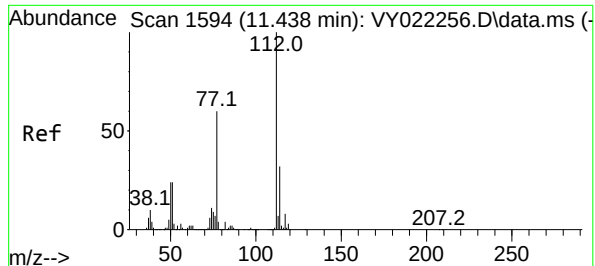


#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



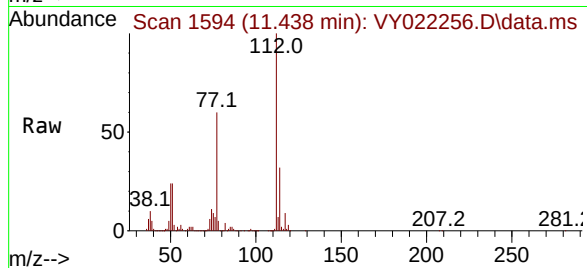
Tgt Ion:164 Resp: 178854
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 95.5 76.4 114.6
131 91.4 73.1 109.7





#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

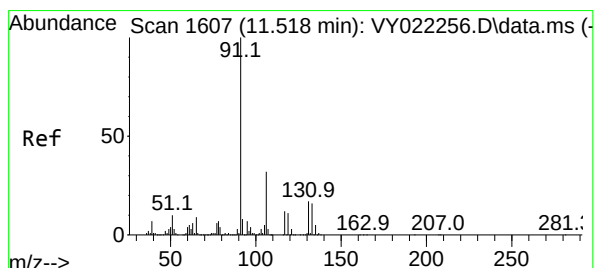
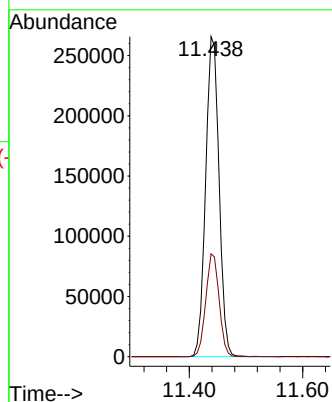
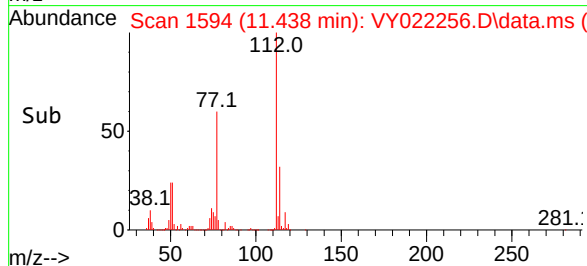
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



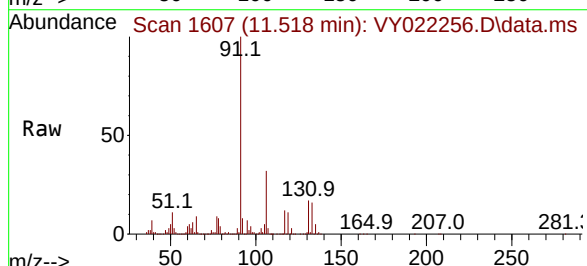
Tgt Ion:112 Resp: 435874
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

Manual Integrations
APPROVED

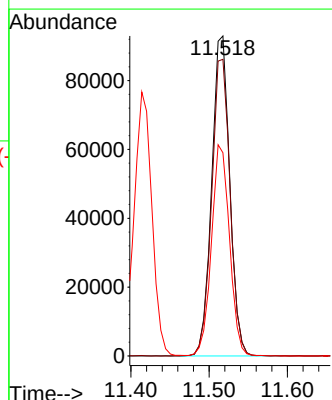
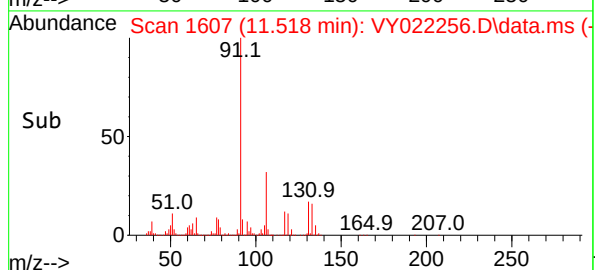
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

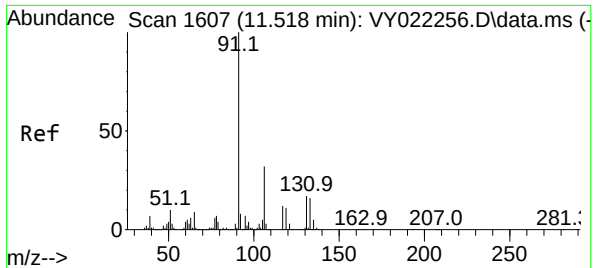


#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



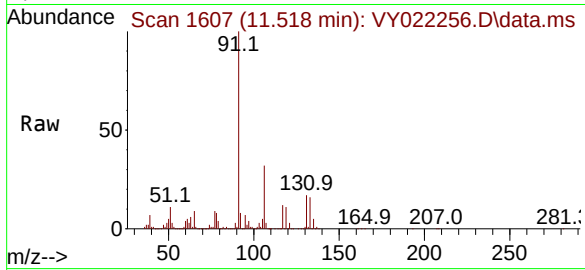
Tgt Ion:131 Resp: 148798
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 66.1 33.1 99.2





#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

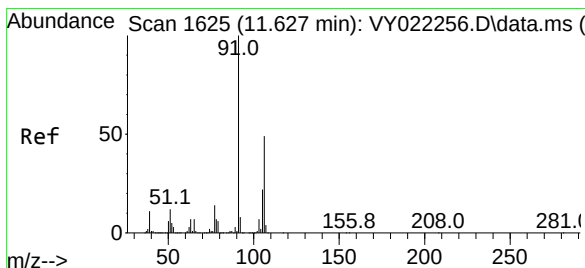
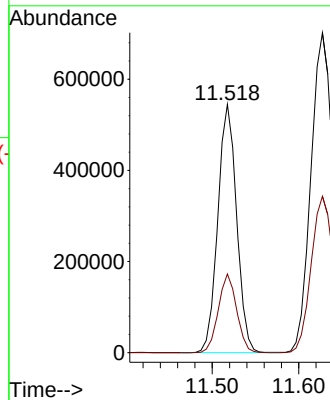
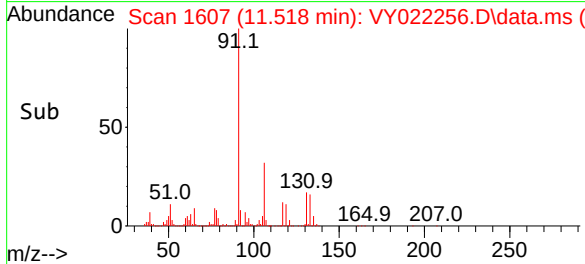
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



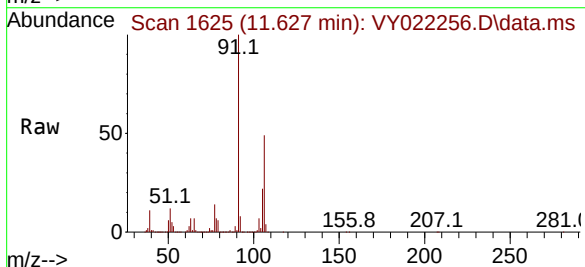
Tgt Ion: 91 Resp: 821168
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

Manual Integrations
APPROVED

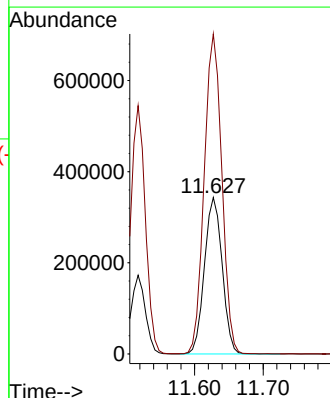
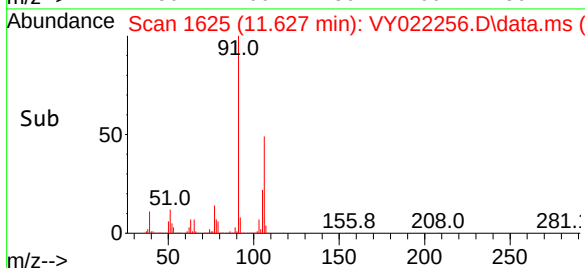
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

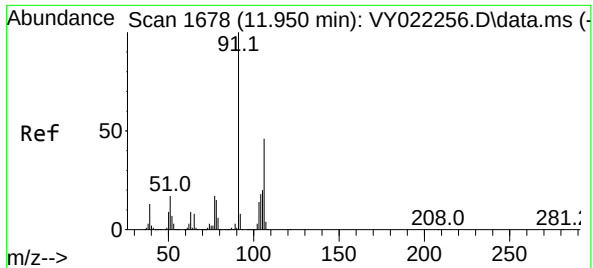


#68
m/p-Xylenes
Concen: 102.746 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



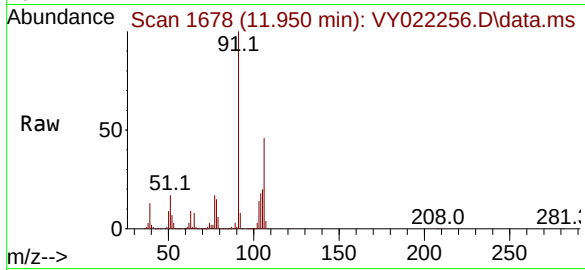
Tgt Ion:106 Resp: 617646
Ion Ratio Lower Upper
106 100
91 203.7 163.0 244.4





#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

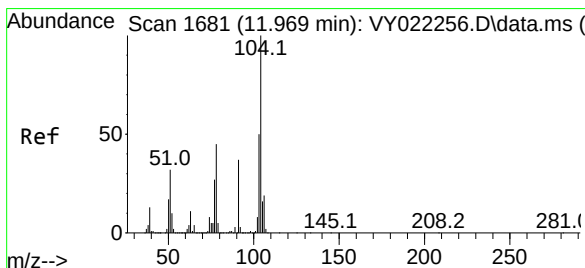
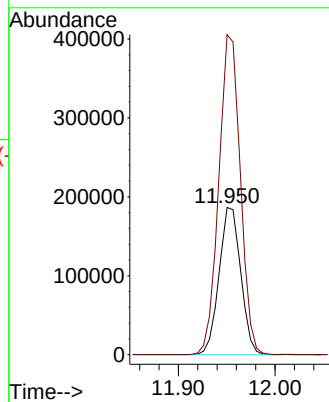
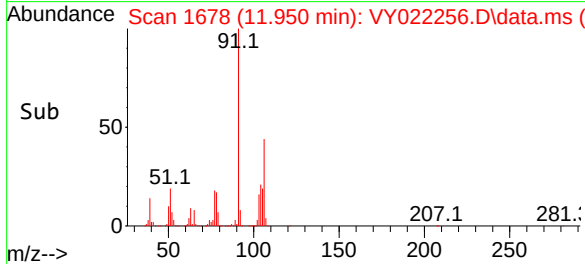
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

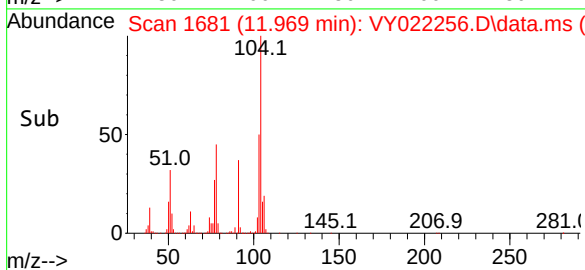
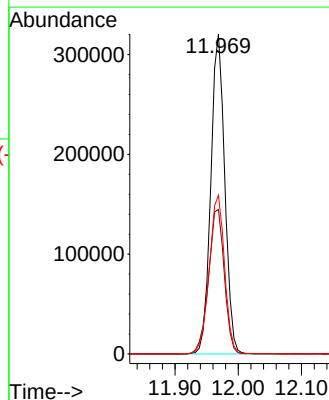
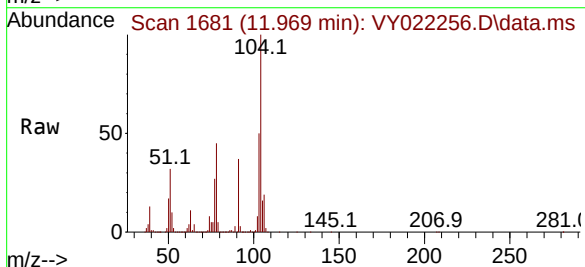
Manual Integrations
APPROVED

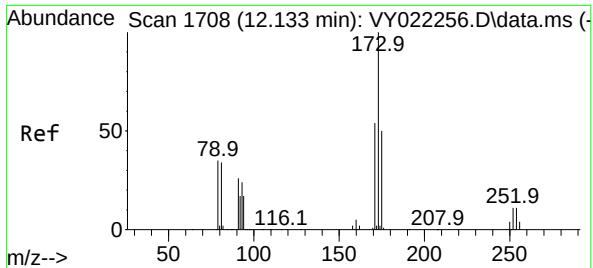
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

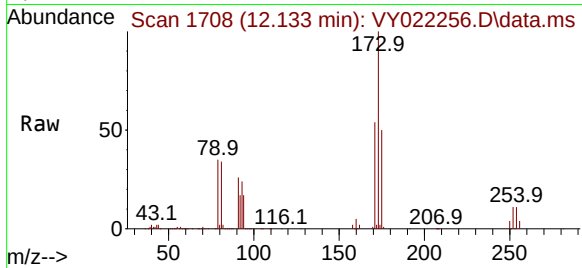
Tgt Ion:104 Resp: 491792
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 54.6 43.7 65.5





#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

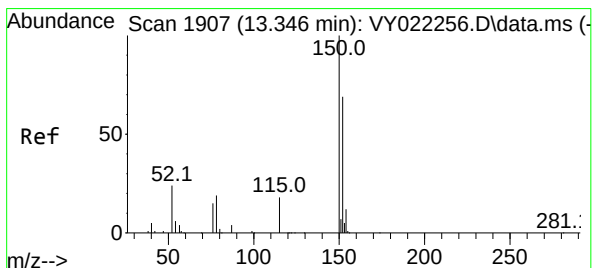
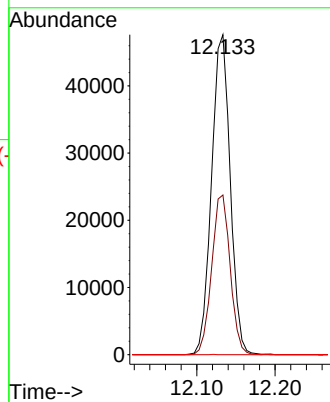
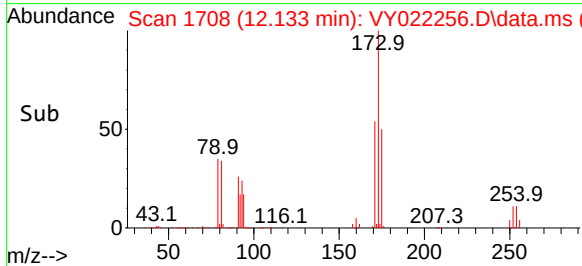
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



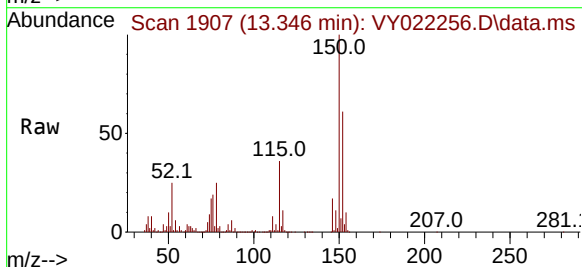
Tgt Ion:173 Resp: 78794
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

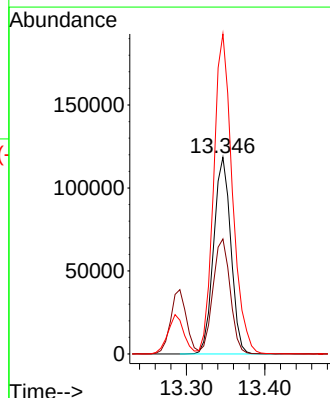
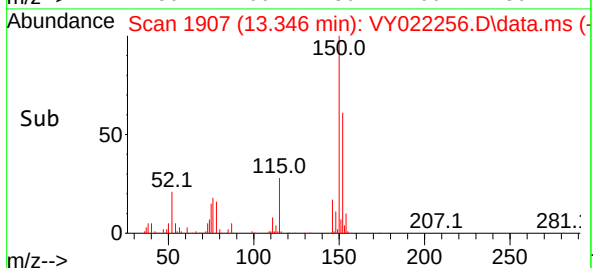
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

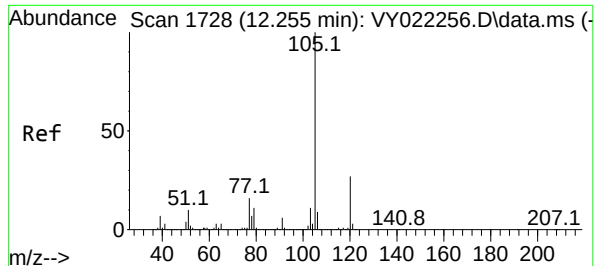


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



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: 75690

Ion Ratio Lower Upper

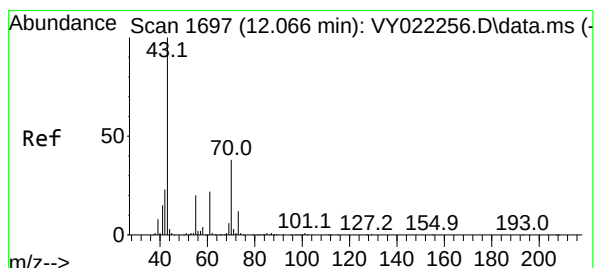
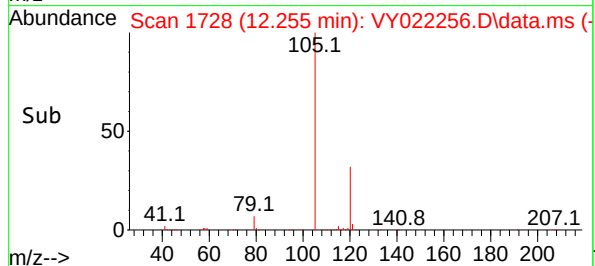
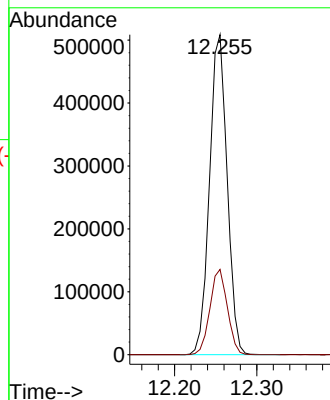
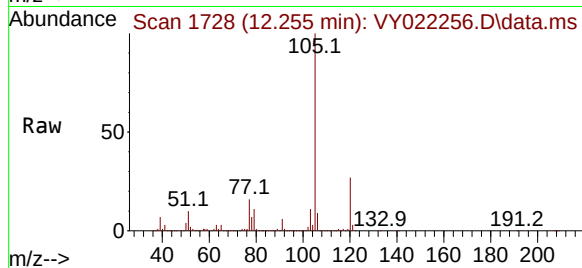
105 100

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

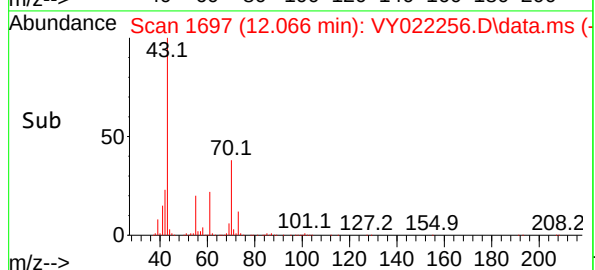
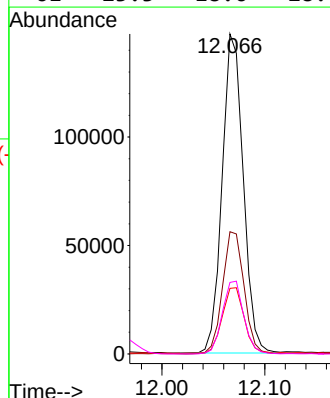
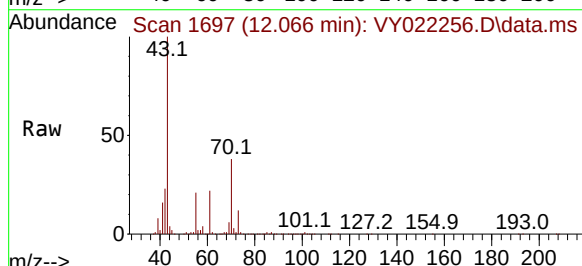
Ion Ratio Lower Upper

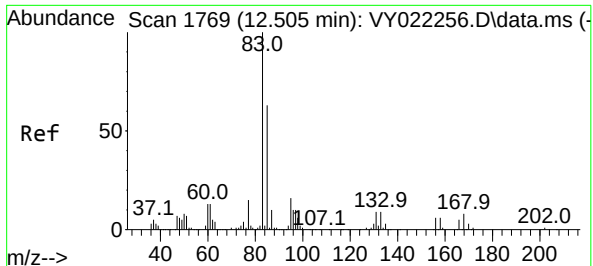
43 100

70 39.2 31.4 47.0

55 21.3 17.0 25.6

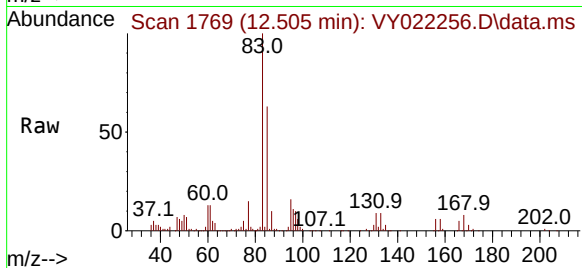
61 23.3 18.6 28.0





#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

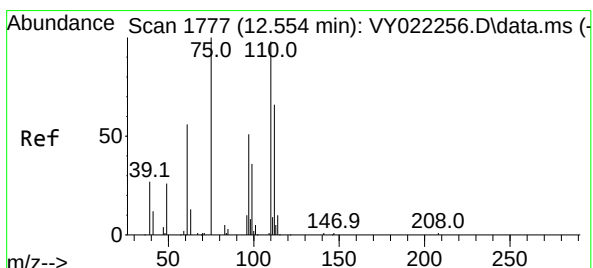
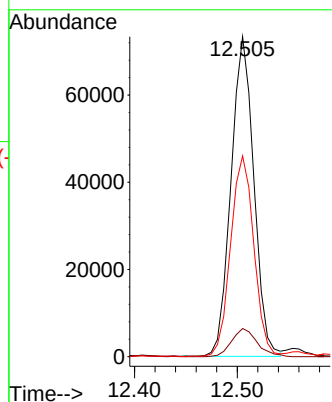
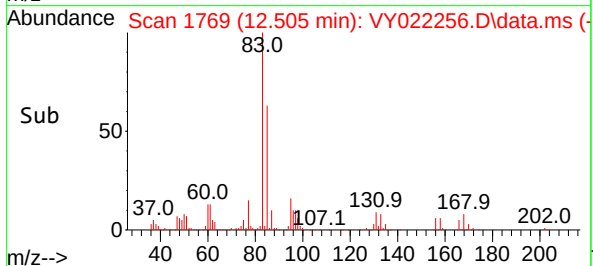
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

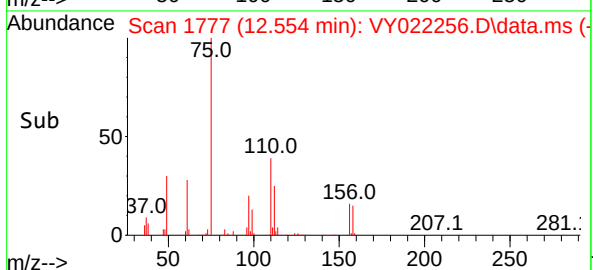
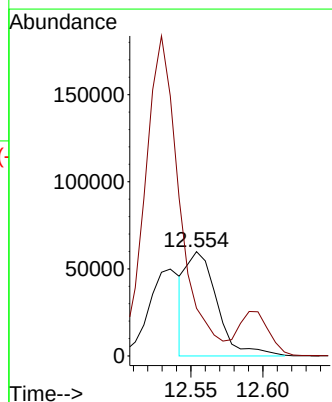
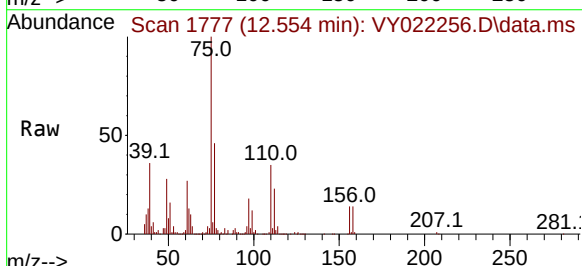
Manual Integrations
APPROVED

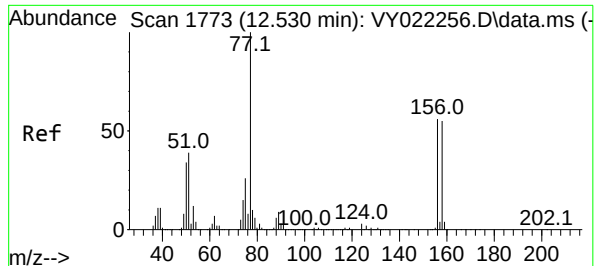
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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: 161479

Ion Ratio Lower Upper

156 100

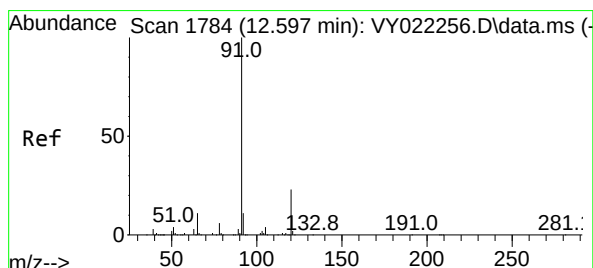
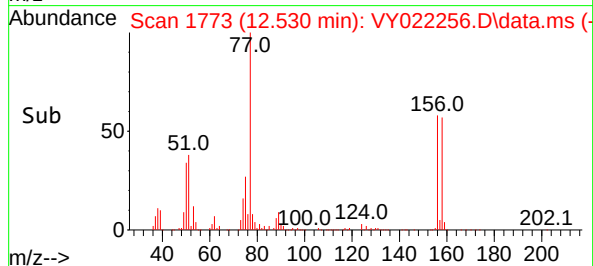
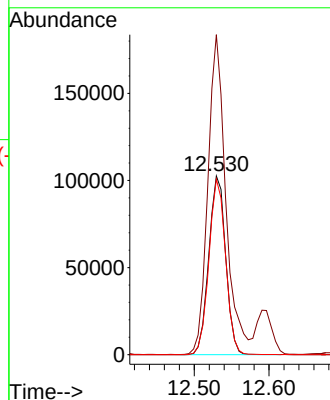
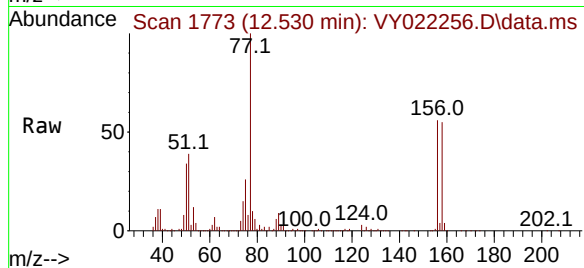
77 189.1 94.5 283.6

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

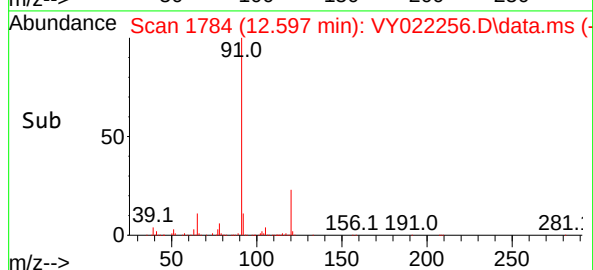
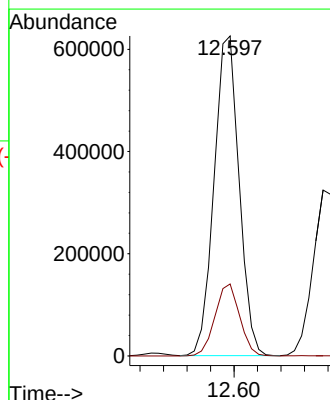
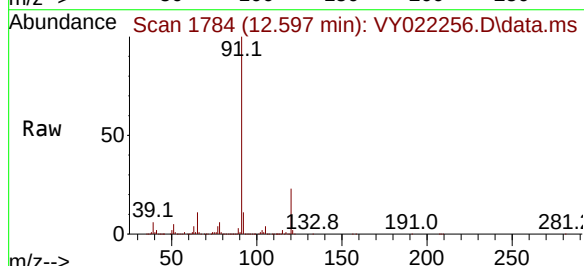
Acq: 15 May 2025 11:02

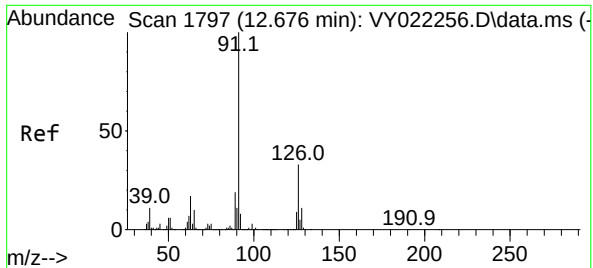
Tgt Ion: 91 Resp: 924664

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.3





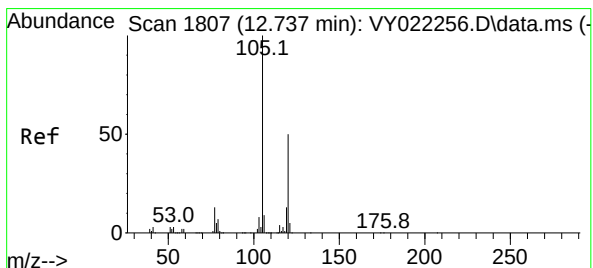
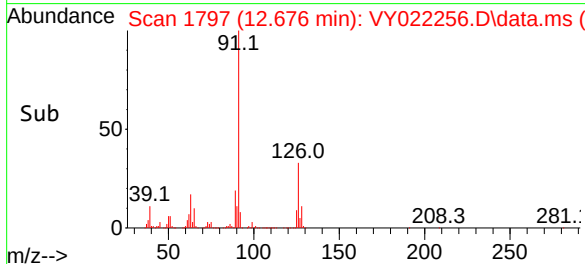
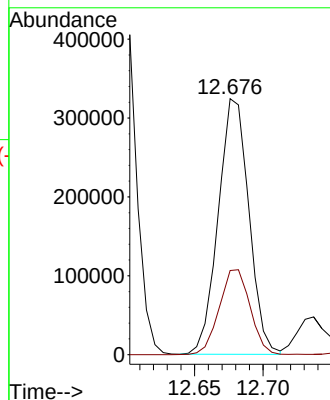
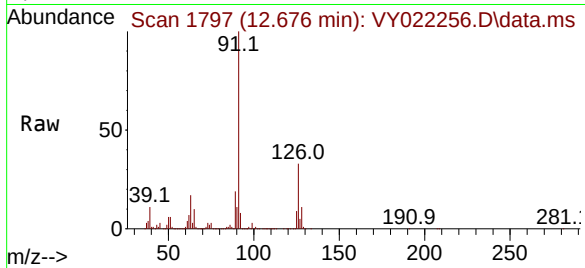
#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 505684
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4

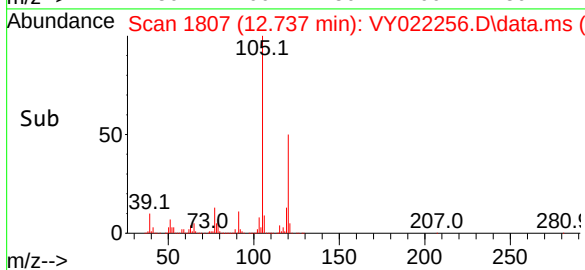
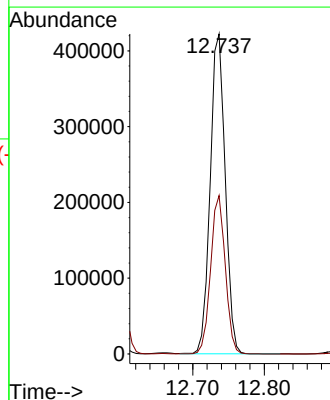
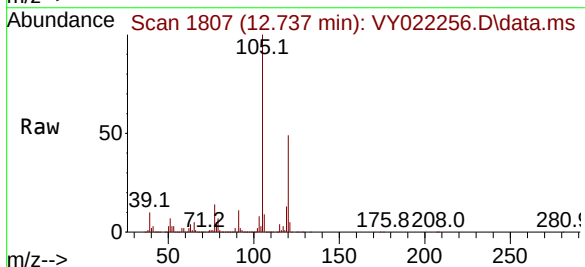
Manual Integrations
APPROVED

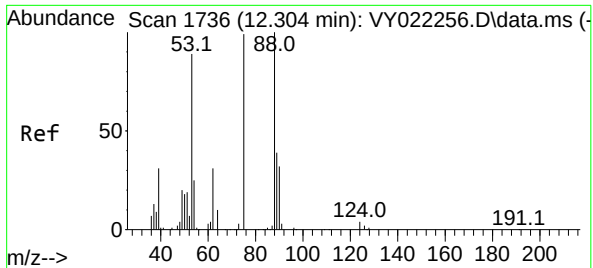
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

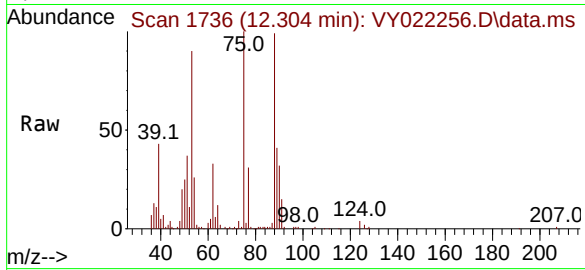
Tgt Ion:105 Resp: 615033
Ion Ratio Lower Upper
105 100
120 48.4 24.2 72.6





#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

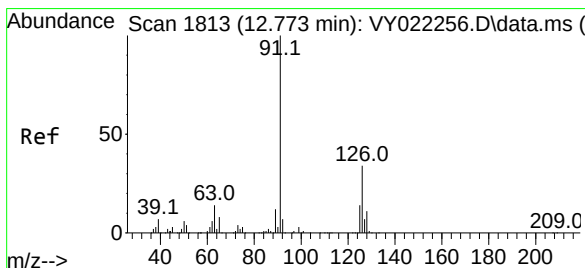
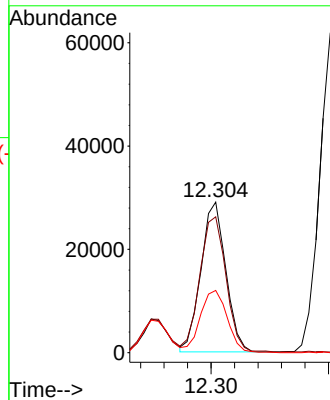
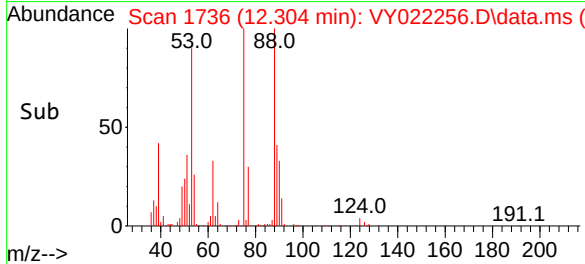
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

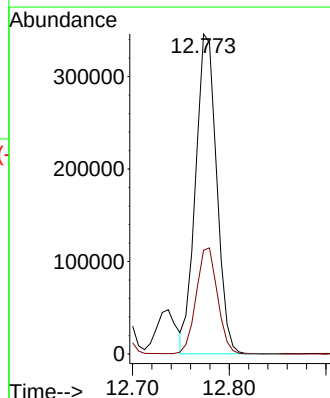
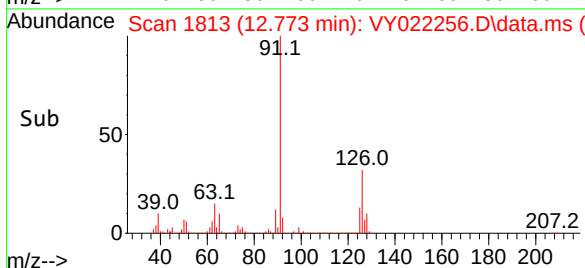
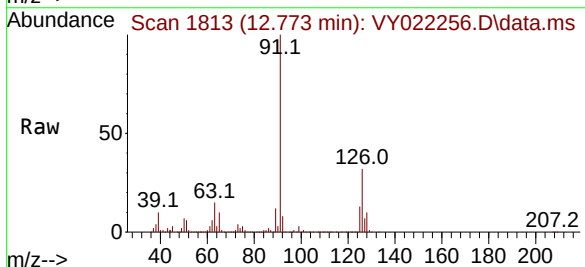
Manual Integrations
APPROVED

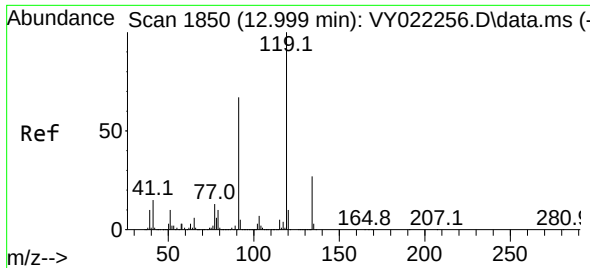
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

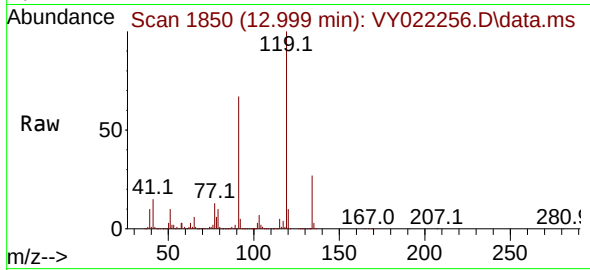
Tgt Ion: 91 Resp: 524270
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4





#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

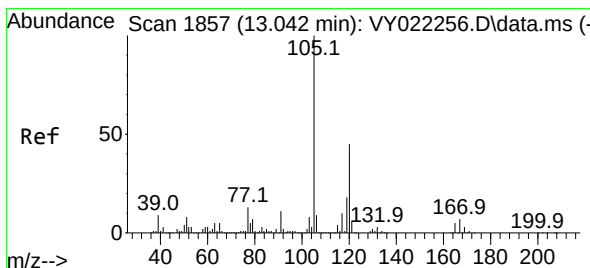
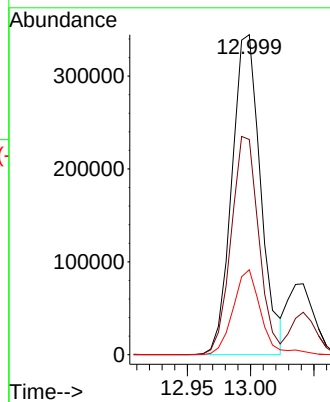
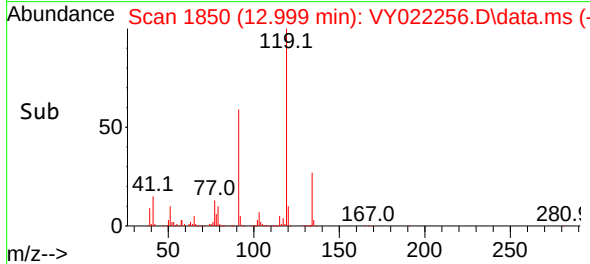
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



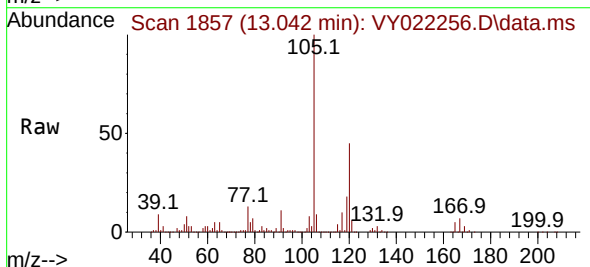
Tgt Ion:119 Resp: 54623
Ion Ratio Lower Upper
119 100
91 65.5 32.8 98.3
134 25.7 12.9 38.6

Manual Integrations
APPROVED

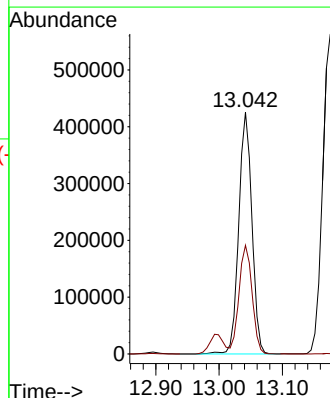
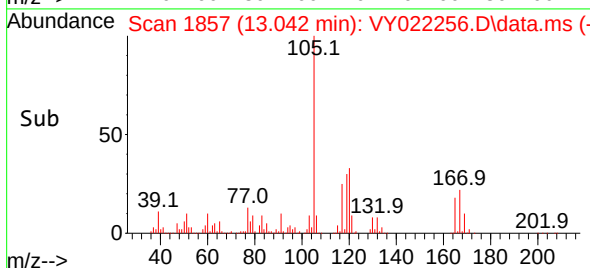
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

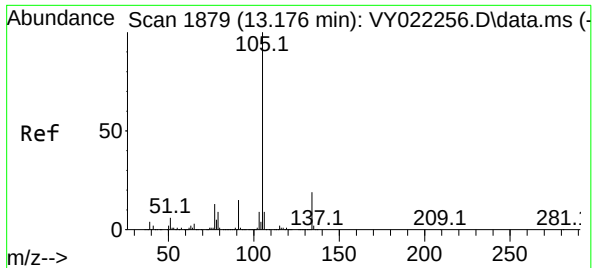


#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02



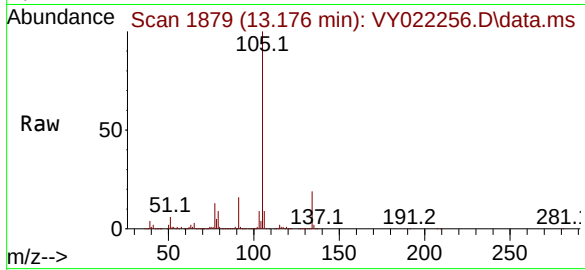
Tgt Ion:105 Resp: 615550
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.9





#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

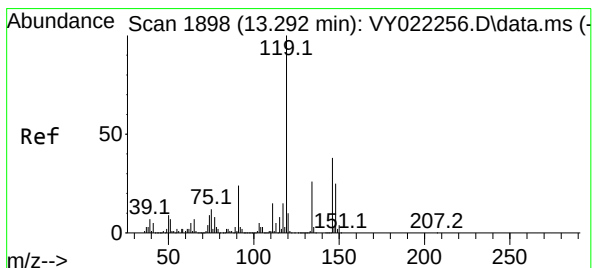
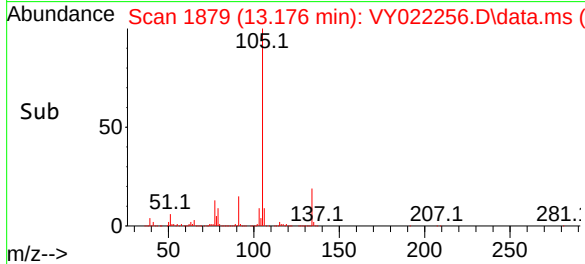
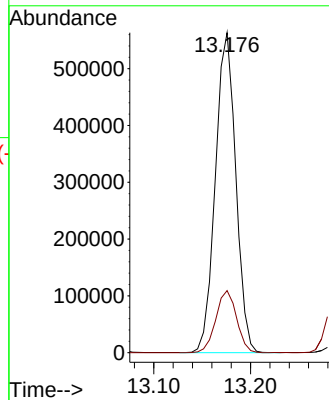
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050



Tgt Ion:105 Resp: 824725
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5

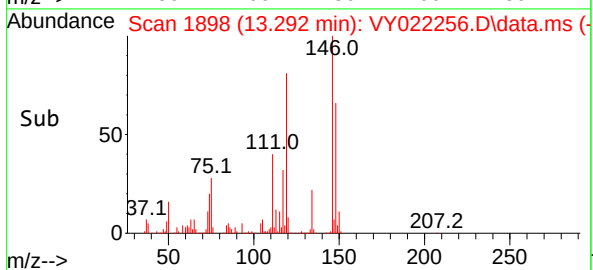
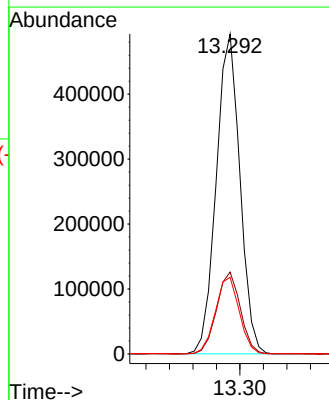
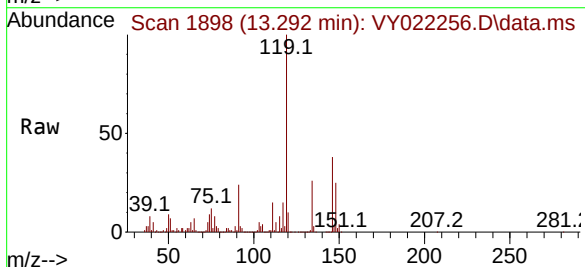
Manual Integrations
 APPROVED

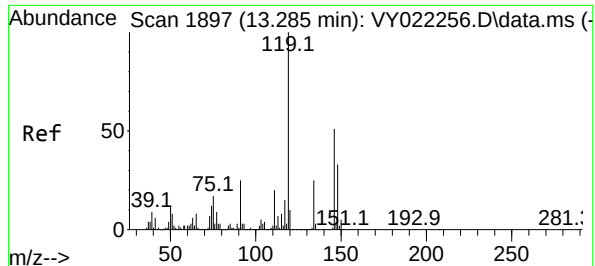
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#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

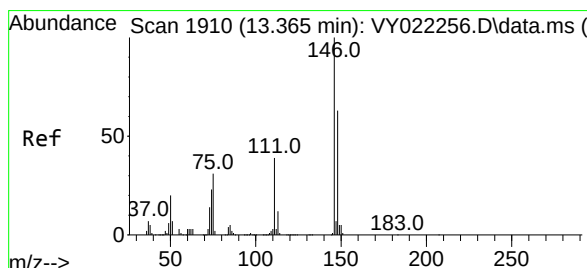
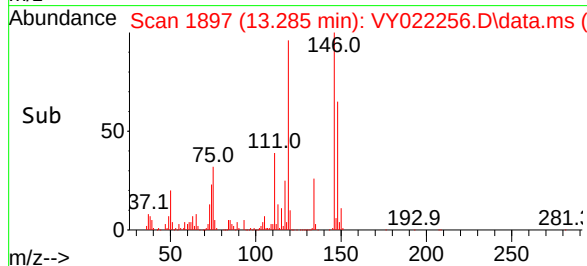
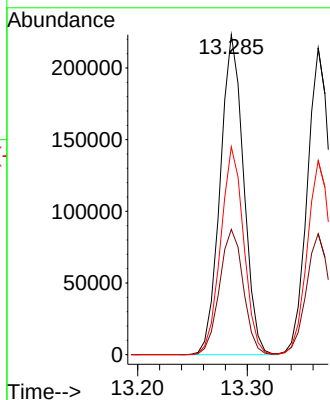
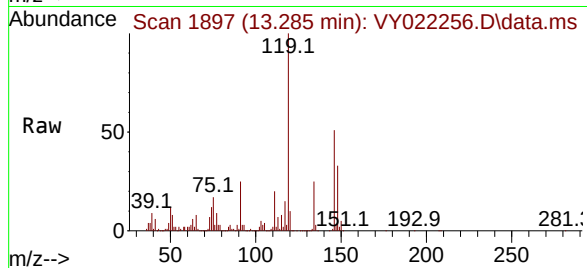
148 63.8 31.9 95.7

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

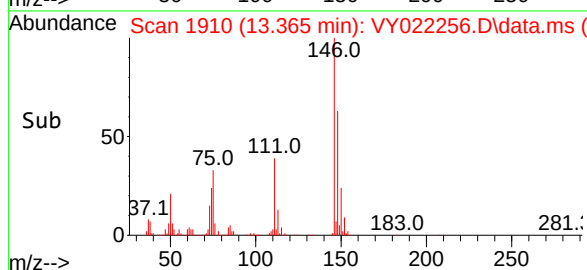
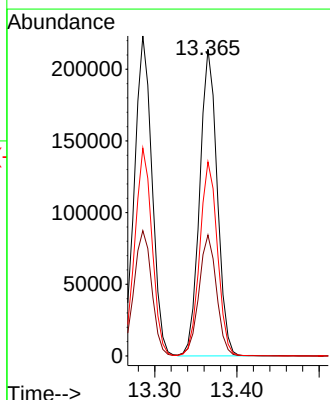
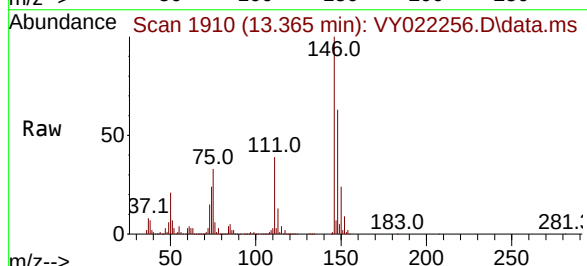
Tgt Ion:146 Resp: 315598

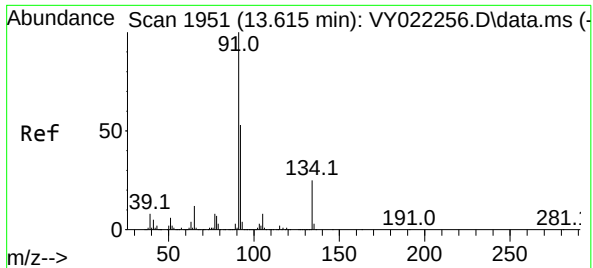
Ion Ratio Lower Upper

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

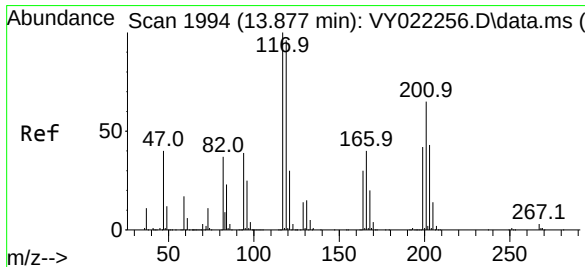
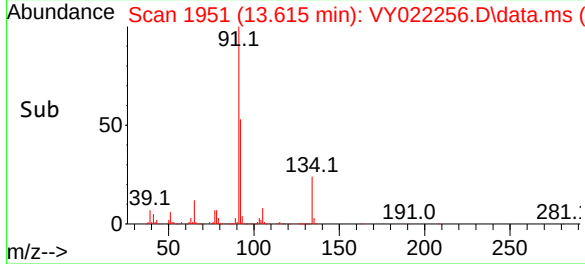
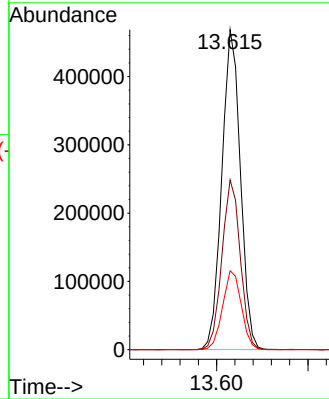
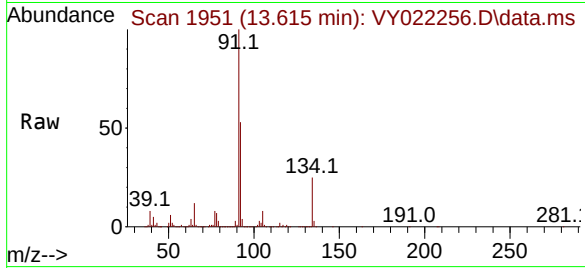
134 24.9 12.4 37.4

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

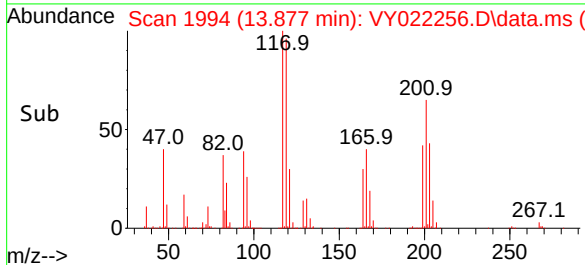
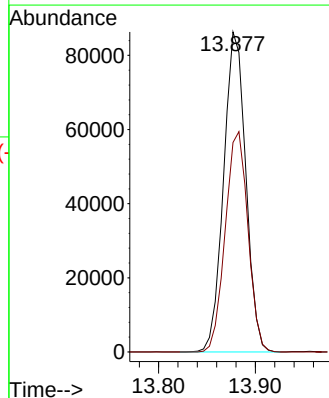
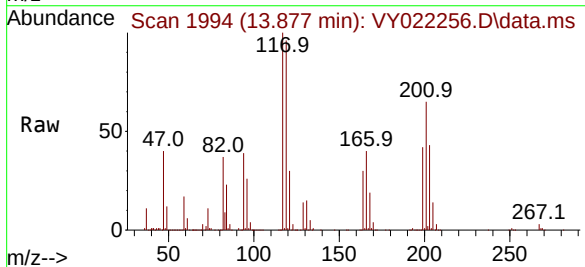
Acq: 15 May 2025 11:02

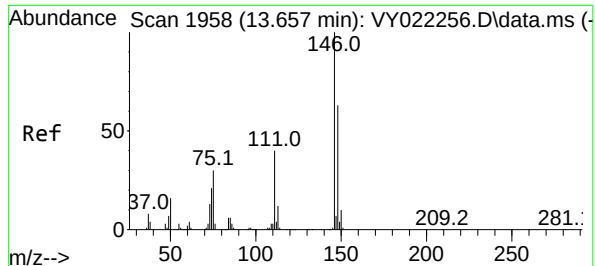
Tgt Ion:117 Resp: 137225

Ion Ratio Lower Upper

117 100

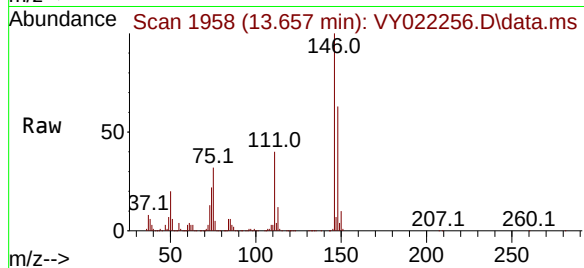
201 70.4 35.2 105.6





#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

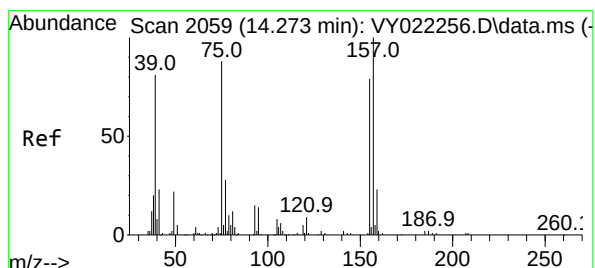
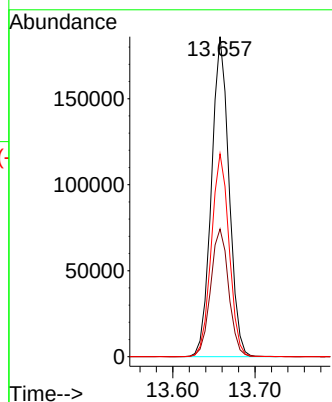
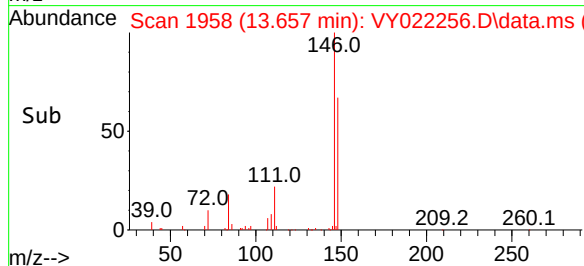
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

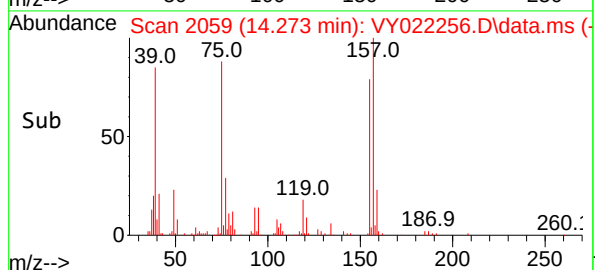
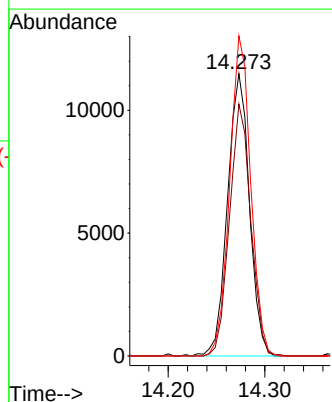
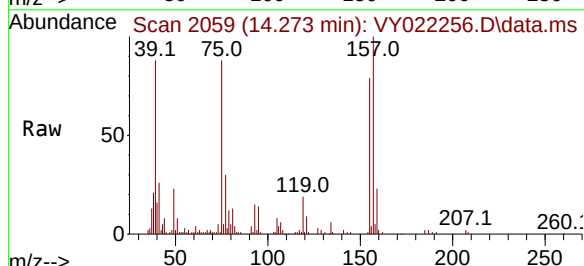
Manual Integrations
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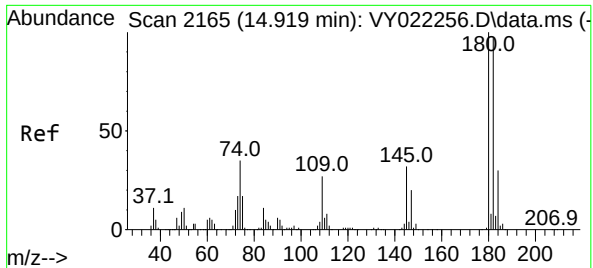
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

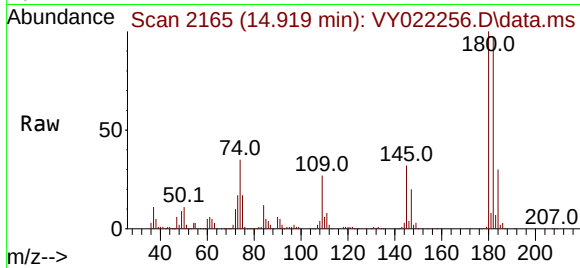
Tgt Ion: 75 Resp: 18039
Ion Ratio Lower Upper
75 100
155 86.7 43.4 130.1
157 109.3 54.6 163.9





#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

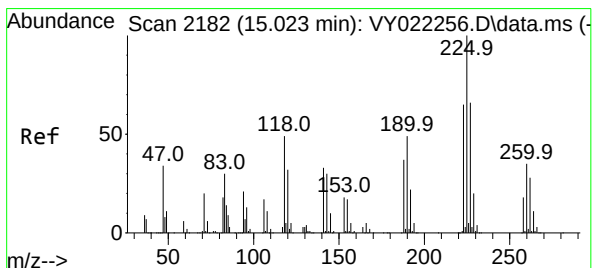
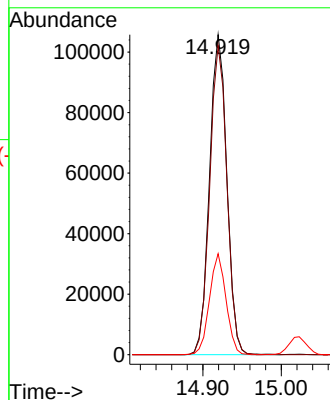
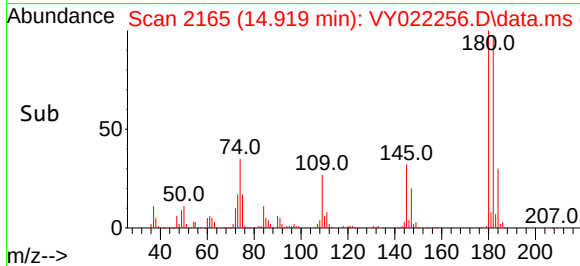
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

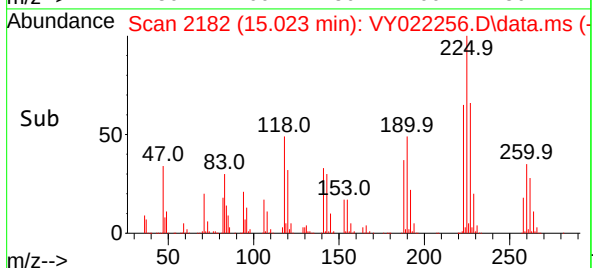
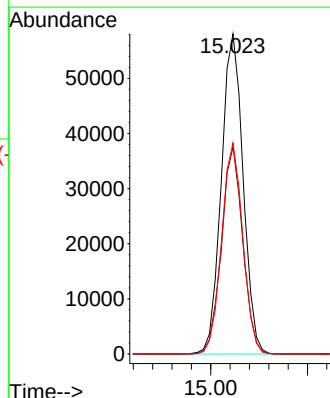
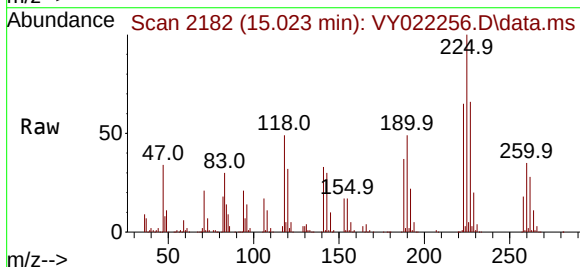
Manual Integrations
APPROVED

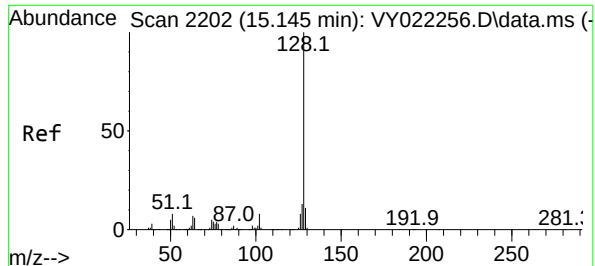
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#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

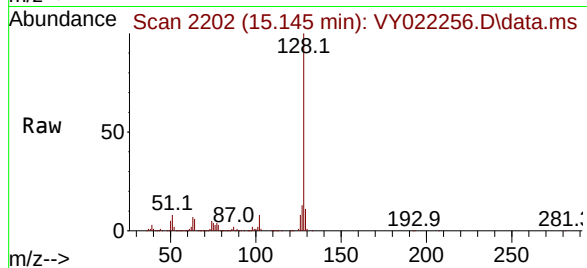
Acq: 15 May 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion:128 Resp: 298079

Ion Ratio Lower Upper

128 100

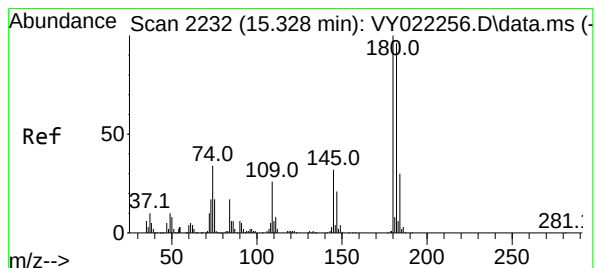
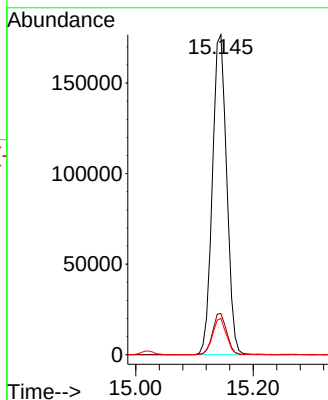
127 12.7 10.2 15.2

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

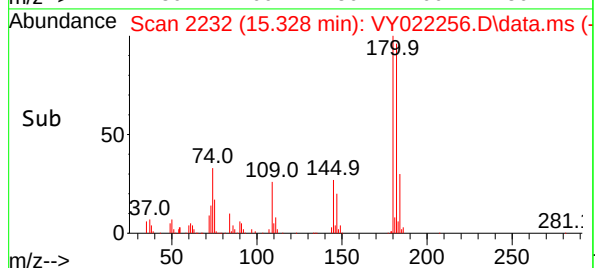
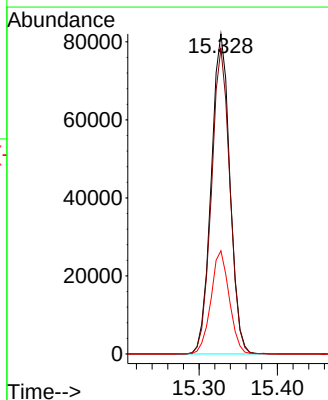
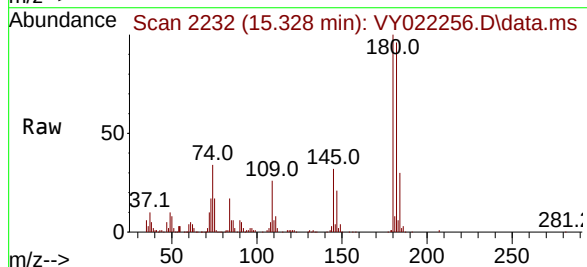
Tgt Ion:180 Resp: 135673

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.3

145 31.7 15.9 47.6





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.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.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	0.521		-0.19	20
Chloromethane	1.097	1.067	0.1	-2.73	20
Vinyl Chloride	1.226	1.343		9.54	20
Bromomethane	0.998	1.071		7.32	20
Chloroethane	0.763	0.887		16.25	20
Trichlorofluoromethane	1.241	1.308		5.4	20
1,1,2-Trichlorotrifluoroethane	0.539	0.569		5.57	20
1,1-Dichloroethene	0.535	0.570		6.54	20
Acetone	0.102	0.103		0.98	20
Carbon Disulfide	1.744	1.850		6.08	20
Methyl tert-butyl Ether	1.475	1.543		4.61	20
Methyl Acetate	0.323	0.324		0.31	20
Methylene Chloride	0.662	0.631		-4.68	20
trans-1,2-Dichloroethene	0.590	0.626		6.1	20
1,1-Dichloroethane	1.106	1.172	0.1	5.97	20
Cyclohexane	1.105	1.093		-1.09	20
2-Butanone	0.171	0.166		-2.92	20
Carbon Tetrachloride	0.509	0.537		5.5	20
cis-1,2-Dichloroethene	0.681	0.737		8.22	20
Bromochloromethane	0.472	0.487		3.18	20
Chloroform	1.061	1.161		9.43	20
1,1,1-Trichloroethane	0.974	1.038		6.57	20
Methylcyclohexane	0.660	0.680		3.03	20
Benzene	1.457	1.567		7.55	20
1,2-Dichloroethane	0.394	0.417		5.84	20
Trichloroethene	0.362	0.381		5.25	20
1,2-Dichloropropane	0.351	0.371		5.7	20
Bromodichloromethane	0.492	0.533		8.33	20
4-Methyl-2-Pentanone	0.253	0.250		-1.19	20
Toluene	0.923	0.982		6.39	20
t-1,3-Dichloropropene	0.480	0.500		4.17	20
cis-1,3-Dichloropropene	0.550	0.587		6.73	20
1,1,2-Trichloroethane	0.243	0.254		4.53	20
2-Hexanone	0.170	0.165		-2.94	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.226	0.238		5.31	20
Tetrachloroethene	0.462	0.477		3.25	20
Chlorobenzene	1.128	1.200	0.3	6.38	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982
 Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24
 Lab File ID: VY022277.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	2.235		5.77	20
m/p-Xylenes	0.796	0.848		6.53	20
o-Xylene	0.753	0.804		6.77	20
Styrene	1.270	1.355		6.69	20
Bromoform	0.209	0.214	0.1	2.39	20
Isopropylbenzene	4.142	4.419		6.69	20
1,1,2,2-Tetrachloroethane	0.637	0.651	0.3	2.2	20
1,3-Dichlorobenzene	1.806	1.921		6.37	20
1,4-Dichlorobenzene	1.737	1.826		5.12	20
1,2-Dichlorobenzene	1.517	1.596		5.21	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.929		6.05	20
1,2,3-Trichlorobenzene	0.743	0.768		3.37	20
1,2-Dichloroethane-d4	0.546	0.552		1.1	20
Dibromofluoromethane	0.298	0.308		3.36	20
Toluene-d8	1.222	1.265		3.52	20
4-Bromofluorobenzene	0.387	0.388		0.26	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\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:26:32 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	212993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	356583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144477	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	117567	50.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.020%	
35) Dibromofluoromethane	7.634	113	109661	51.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.060%	
50) Toluene-d8	10.109	98	450916	51.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.407	95	138475	50.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.240%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	110954	49.923	ug/l	99
3) Chloromethane	2.068	50	227201	48.598	ug/l	99
4) Vinyl Chloride	2.202	62	286097	54.773	ug/l	96
5) Bromomethane	2.598	94	228058	53.635	ug/l	99
6) Chloroethane	2.738	64	188872	58.123	ug/l	95
7) Trichlorofluoromethane	3.055	101	278547	52.672	ug/l	100
8) Diethyl Ether	3.452	74	65966	51.977	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	121276	52.824	ug/l	100
10) Methyl Iodide	4.007	142	149113	56.117	ug/l	99
11) Tert butyl alcohol	4.872	59	42970	241.730	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	121321	53.251	ug/l	99
13) Acrolein	3.653	56	53247	204.899	ug/l	99
14) Allyl chloride	4.384	41	204941	51.302	ug/l	96
15) Acrylonitrile	5.061	53	135814	259.711	ug/l	98
16) Acetone	3.872	43	109507	250.886	ug/l	100
17) Carbon Disulfide	4.104	76	394070	53.042	ug/l	99
18) Methyl Acetate	4.384	43	69106	50.215	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	328680	52.321	ug/l	97
20) Methylene Chloride	4.616	84	134377	47.645	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	133277	52.998	ug/l	98
22) Diisopropyl ether	6.018	45	437077	51.810	ug/l	100
23) Vinyl Acetate	5.957	43	1279898	251.128	ug/l	100
24) 1,1-Dichloroethane	5.915	63	249652	52.970	ug/l	99
25) 2-Butanone	6.896	43	177141	242.624	ug/l	100
26) 2,2-Dichloropropane	6.884	77	227980	54.384	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156977	54.093	ug/l	99
28) Bromochloromethane	7.244	49	103785	51.625	ug/l	99
29) Tetrahydrofuran	7.262	42	115748	246.422	ug/l	96
30) Chloroform	7.421	83	247345	54.713	ug/l	94
31) Cyclohexane	7.701	56	232896	49.457	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221082	53.304	ug/l	99
36) 1,1-Dichloropropene	7.835	75	183482	52.341	ug/l	98
37) Ethyl Acetate	6.982	43	82168	48.715	ug/l	98
38) Carbon Tetrachloride	7.817	117	191365	52.737	ug/l	97
39) Methylcyclohexane	9.109	83	242532	51.496	ug/l	100
40) Benzene	8.079	78	558801	53.771	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:26:32 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	7.219	41	50033	44.718	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	148582	52.870	ug/l	100
43) Isopropyl Acetate	8.195	43	182651	49.654	ug/l #	88
44) Trichloroethene	8.865	130	135760	52.539	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132126	52.735	ug/l	97
46) Dibromomethane	9.231	93	70093	51.869	ug/l	99
47) Bromodichloromethane	9.426	83	189903	54.169	ug/l	98
48) Methyl methacrylate	9.219	41	85212	49.534	ug/l	98
49) 1,4-Dioxane	9.231	88	15293	1001.752	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	446509	247.383	ug/l	98
52) Toluene	10.170	92	350043	53.192	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	178121	52.062	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	209477	53.441	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	90613	52.364	ug/l	96
56) Ethyl methacrylate	10.438	69	136463	50.626	ug/l	98
57) 1,3-Dichloropropane	10.719	76	161520	52.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	319368	263.967	ug/l	99
59) 2-Hexanone	10.761	43	294366	243.243	ug/l	98
60) Dibromochloromethane	10.914	129	120550	53.672	ug/l	99
61) 1,2-Dibromoethane	11.017	107	84972	52.685	ug/l	99
64) Tetrachloroethene	10.646	164	145990	51.645	ug/l	97
65) Chlorobenzene	11.444	112	367007	53.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125569	52.937	ug/l	100
67) Ethyl Benzene	11.517	91	683403	52.887	ug/l	99
68) m/p-Xylenes	11.627	106	518397	106.465	ug/l	100
69) o-Xylene	11.956	106	246010	53.401	ug/l	98
70) Styrene	11.968	104	414482	53.337	ug/l	99
71) Bromoform	12.133	173	65518	51.173	ug/l #	98
73) Isopropylbenzene	12.255	105	638419	53.338	ug/l	100
74) N-amyl acetate	12.072	43	170468	49.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93984	51.057	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	78033m	53.312	ug/l	
77) Bromobenzene	12.535	156	134547	52.632	ug/l	99
78) n-propylbenzene	12.596	91	773886	53.604	ug/l	100
79) 2-Chlorotoluene	12.682	91	422629	53.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	512810	53.075	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34394	47.601	ug/l	97
82) 4-Chlorotoluene	12.779	91	434539	53.249	ug/l	100
83) tert-Butylbenzene	12.999	119	453991	52.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	515364	53.733	ug/l	100
85) sec-Butylbenzene	13.176	105	682585	53.545	ug/l	100
86) p-Isopropyltoluene	13.291	119	573661	53.506	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	277562	53.186	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	263812	52.554	ug/l	99
89) n-Butylbenzene	13.621	91	551378	54.360	ug/l	100
90) Hexachloroethane	13.883	117	115221	53.238	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	230646	52.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15069	50.767	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	134157	52.983	ug/l	99
94) Hexachlorobutadiene	15.023	225	74411	52.696	ug/l	100
95) Naphthalene	15.145	128	243439	50.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	111008	51.679	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
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 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:26:32 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

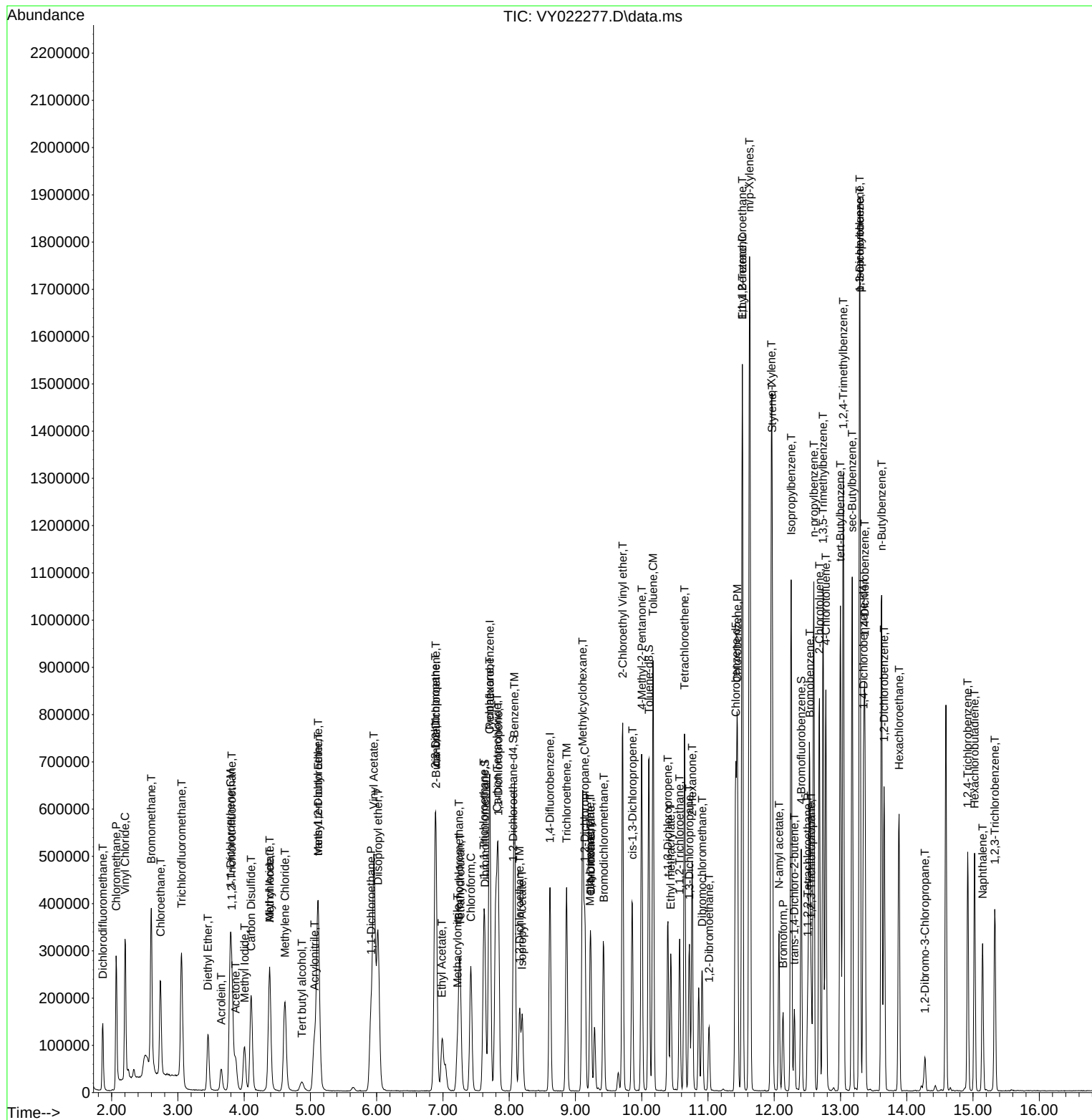
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

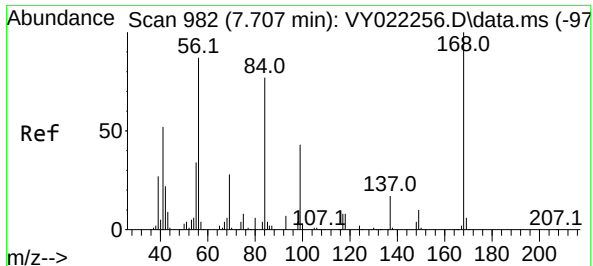
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

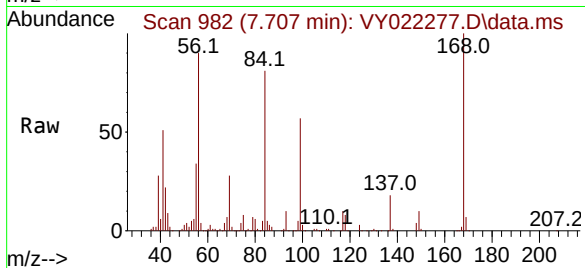
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

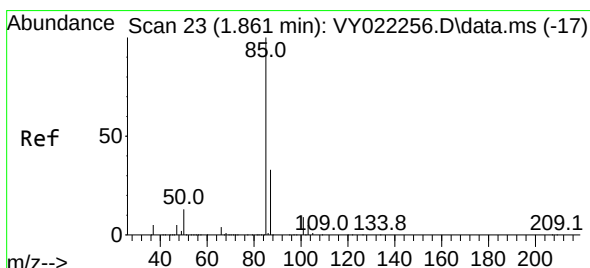
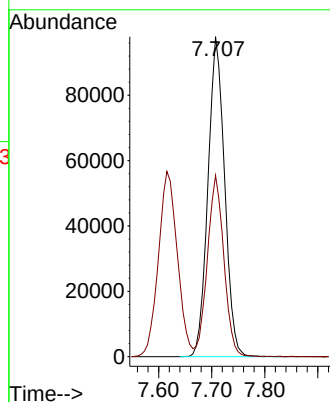
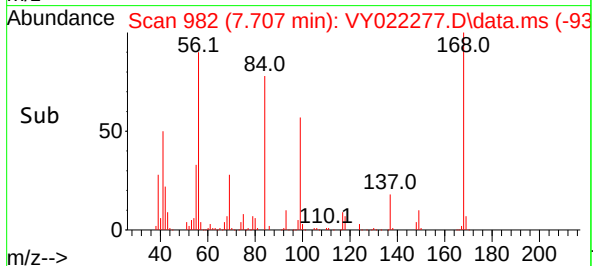
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 21299
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4

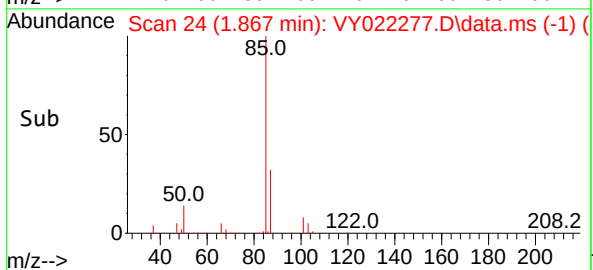
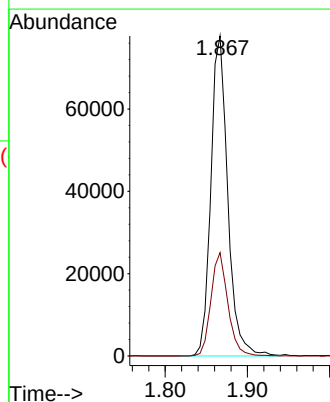
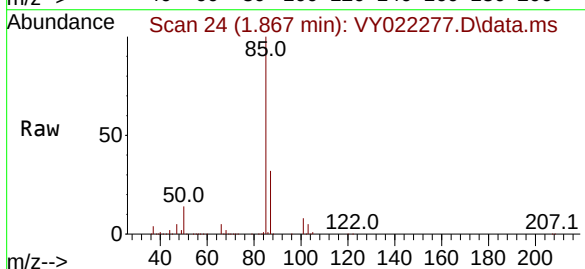
Manual Integrations
APPROVED

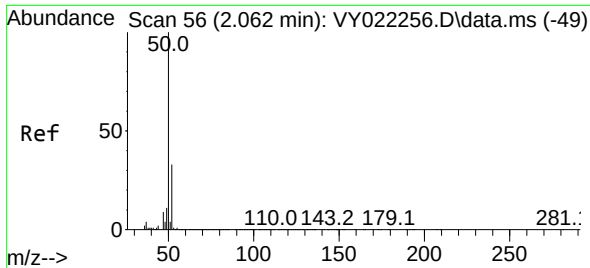
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#2
Dichlorodifluoromethane
Concen: 49.923 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

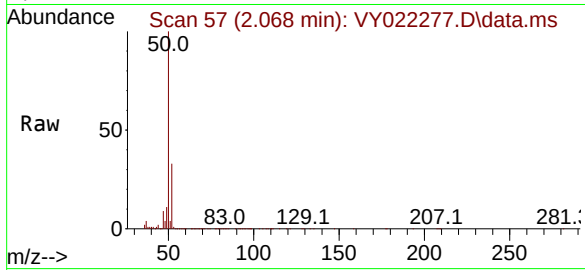
Tgt Ion: 85 Resp: 110954
Ion Ratio Lower Upper
85 100
87 32.3 16.5 49.5





#3
Chloromethane
Concen: 48.598 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

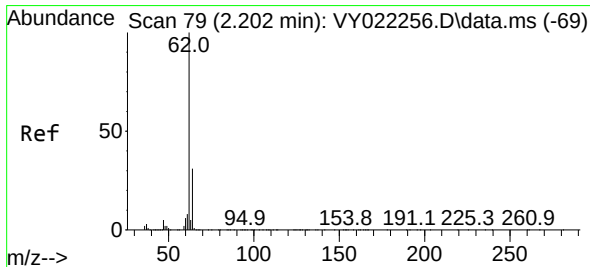
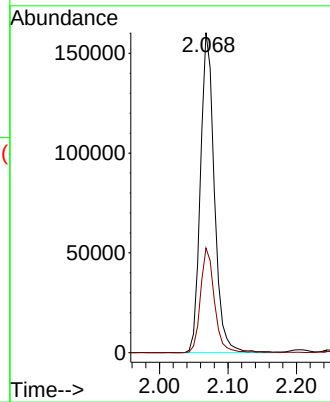
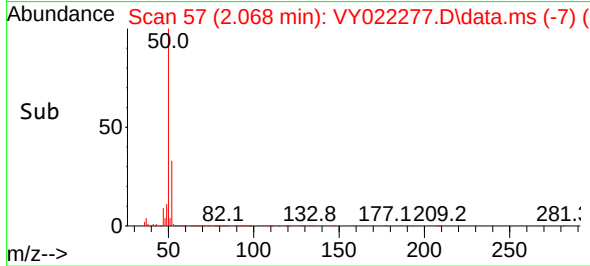
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 22720
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

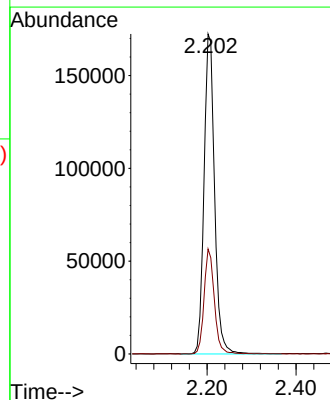
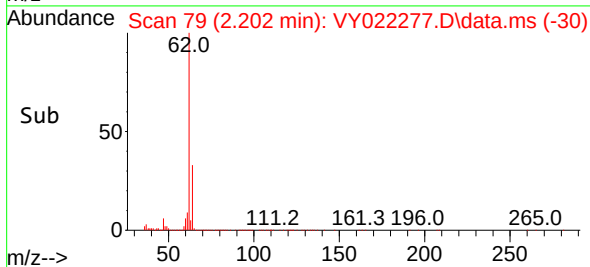
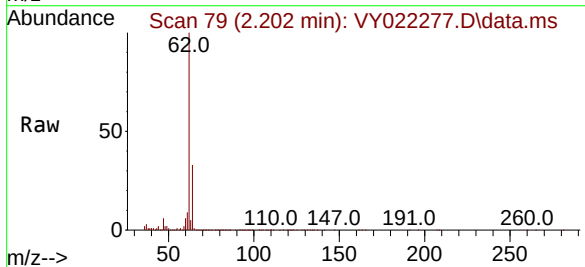
Manual Integrations
APPROVED

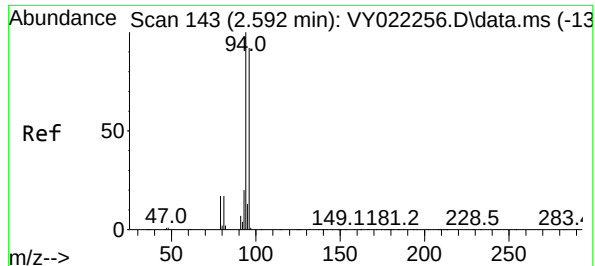
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#4
Vinyl Chloride
Concen: 54.773 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

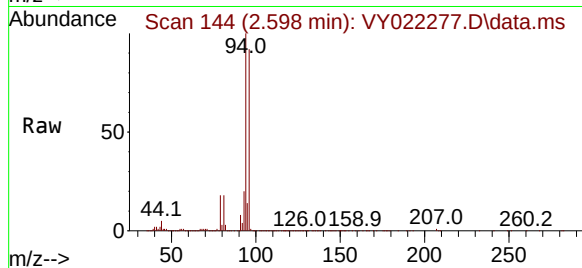
Tgt Ion: 62 Resp: 286097
Ion Ratio Lower Upper
62 100
64 32.8 24.5 36.7





#5
Bromomethane
Concen: 53.635 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

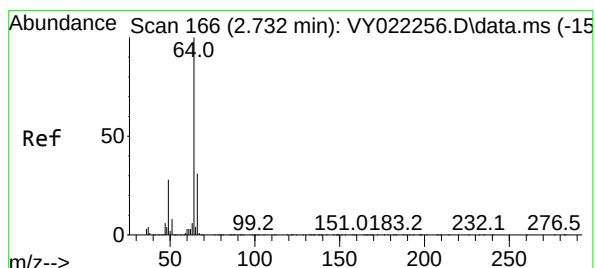
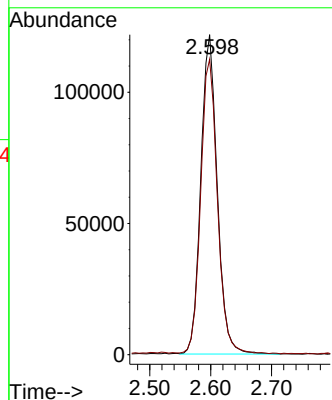
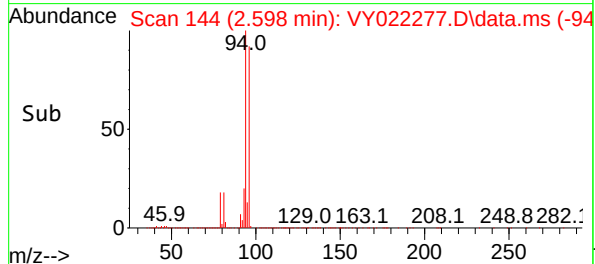
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 228058
Ion Ratio Lower Upper
94 100
96 92.2 73.4 110.0

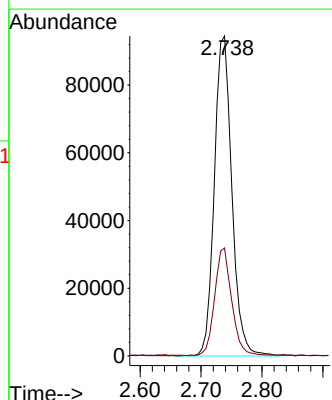
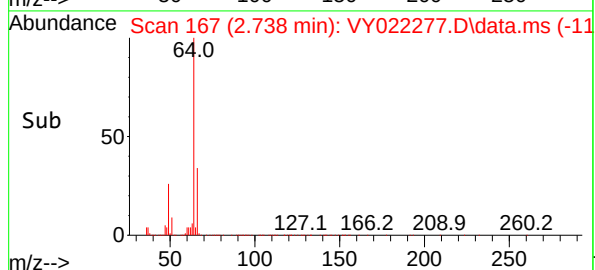
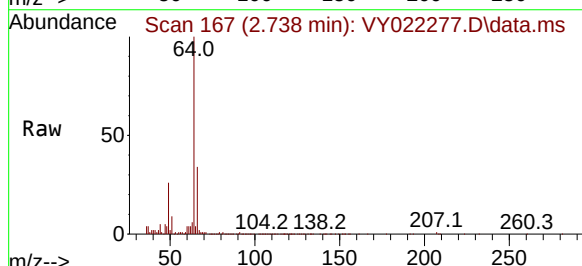
Manual Integrations
APPROVED

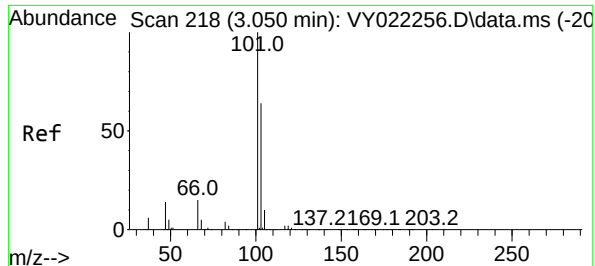
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#6
Chloroethane
Concen: 58.123 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

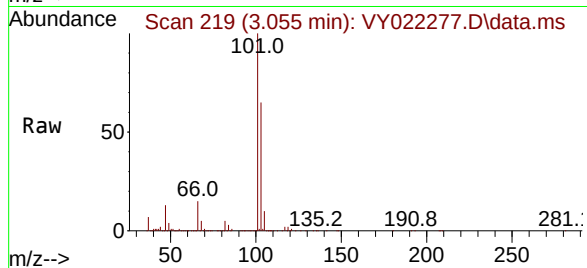
Tgt Ion: 64 Resp: 188872
Ion Ratio Lower Upper
64 100
66 33.5 24.8 37.2





#7
Trichlorofluoromethane
Concen: 52.672 ug/l
RT: 3.055 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

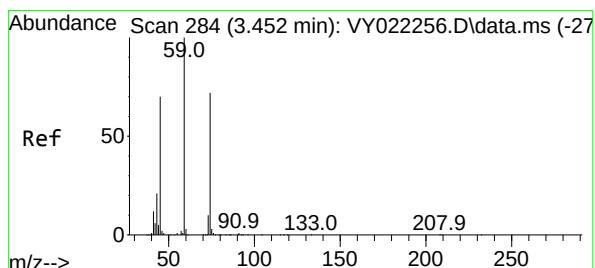
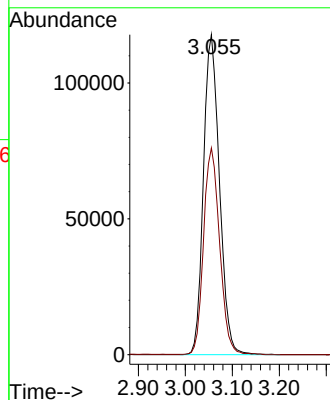
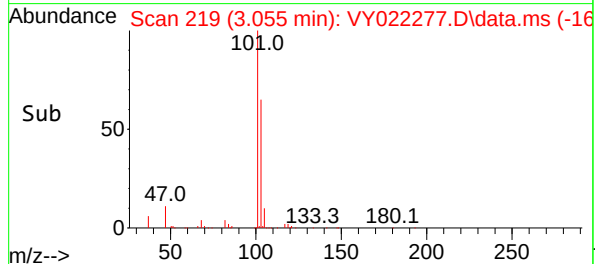
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 101 Resp: 27854
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

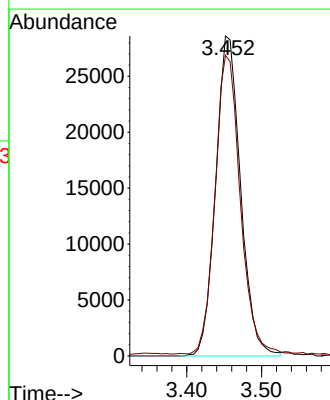
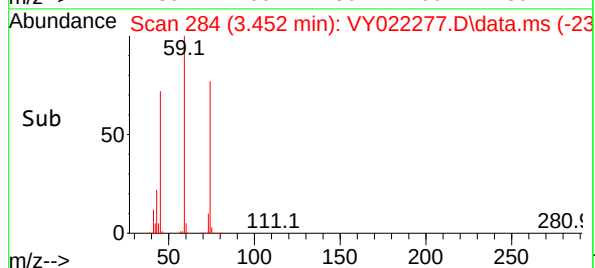
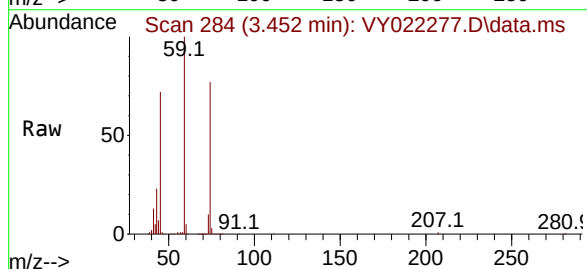
Manual Integrations
APPROVED

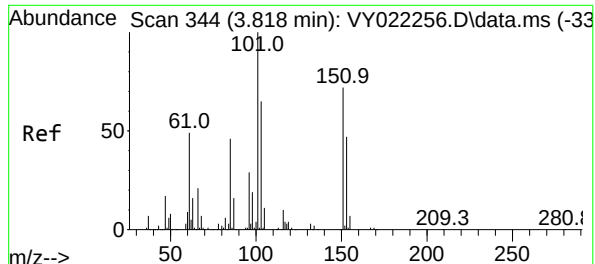
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#8
Diethyl Ether
Concen: 51.977 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 74 Resp: 65966
Ion Ratio Lower Upper
74 100
45 94.5 48.6 145.8





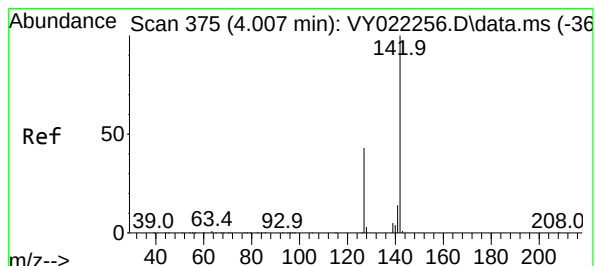
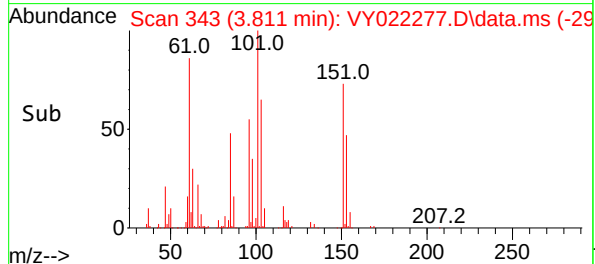
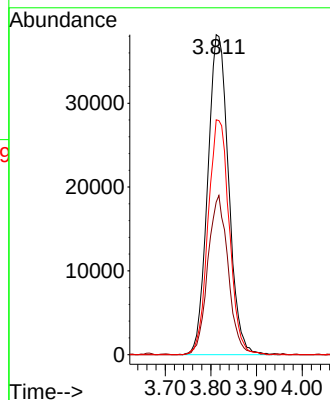
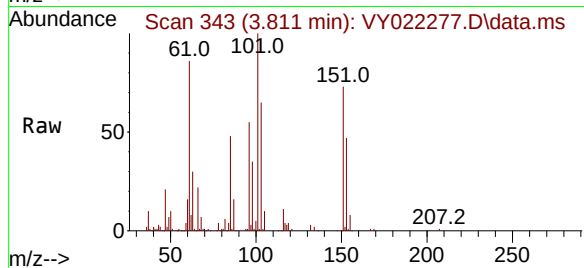
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.824 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 121270
Ion Ratio Lower Upper
101 100
85 48.6 38.6 58.0
151 74.2 59.7 89.5

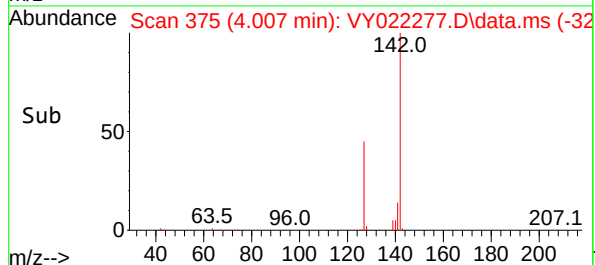
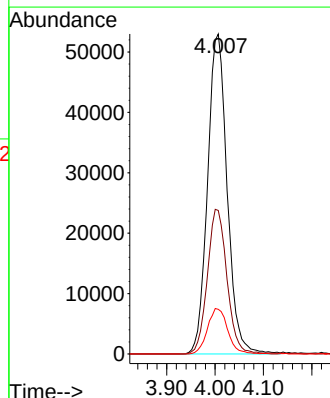
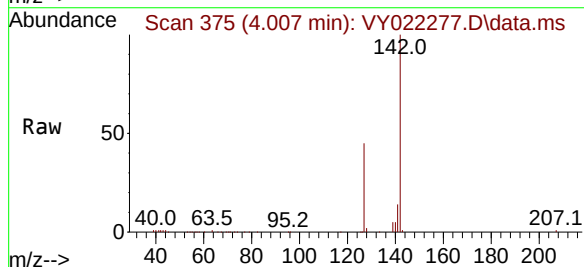
Manual Integrations
APPROVED

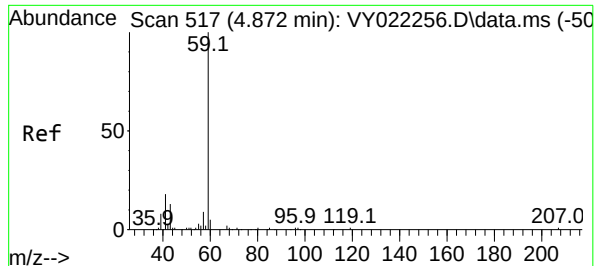
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#10
Methyl Iodide
Concen: 56.117 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:142 Resp: 149113
Ion Ratio Lower Upper
142 100
127 45.3 35.7 53.5
141 14.7 11.1 16.7





#11

Tert butyl alcohol

Concen: 241.730 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 42970

Ion Ratio Lower Upper

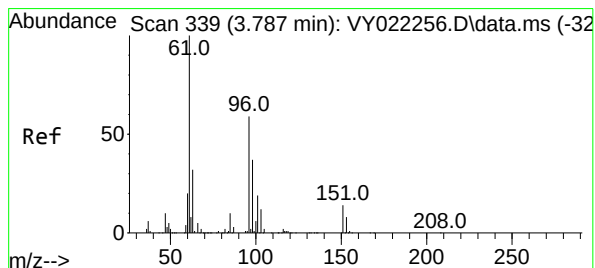
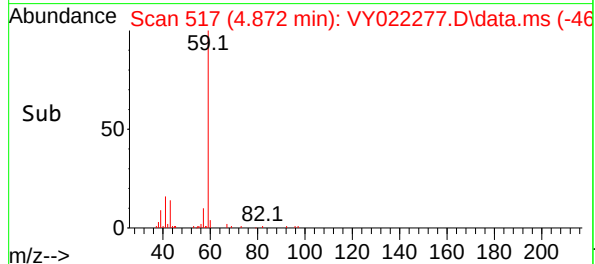
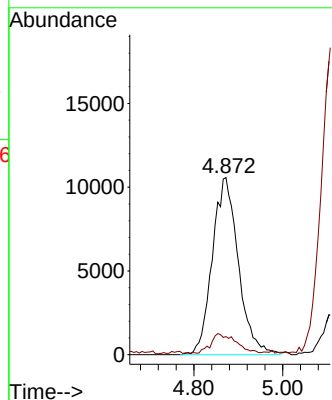
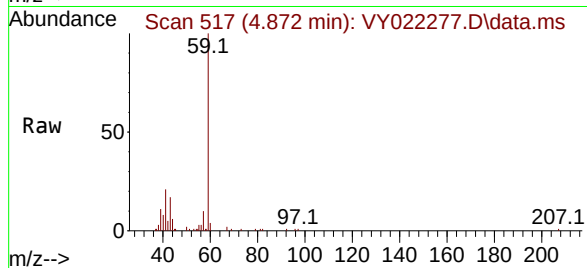
59 100

57 10.3 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#12

1,1-Dichloroethene

Concen: 53.251 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

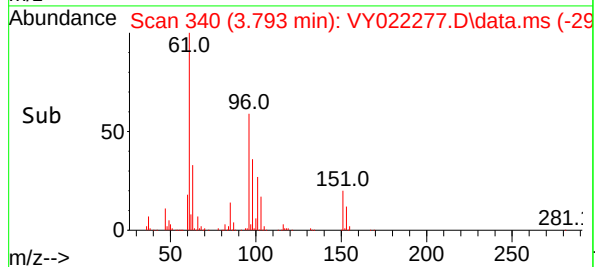
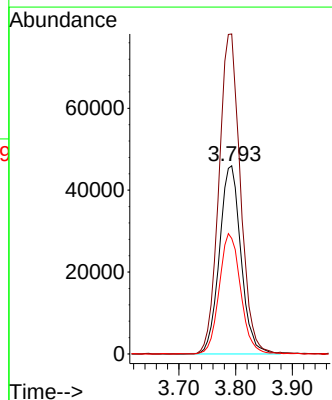
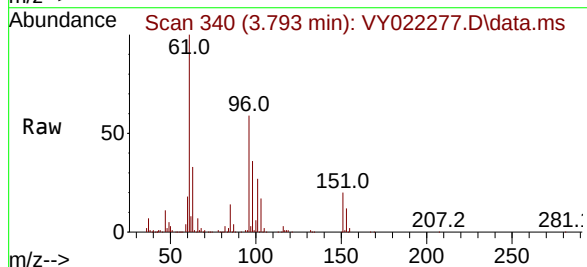
Tgt Ion: 96 Resp: 121321

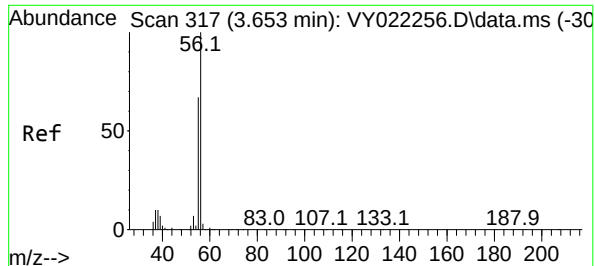
Ion Ratio Lower Upper

96 100

61 170.1 134.9 202.3

98 61.2 49.9 74.9





#13

Acrolein

Concen: 204.899 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 5324

Ion Ratio Lower Upper

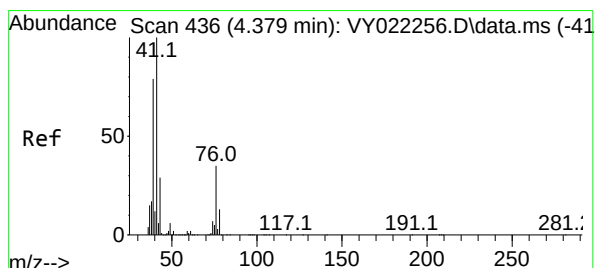
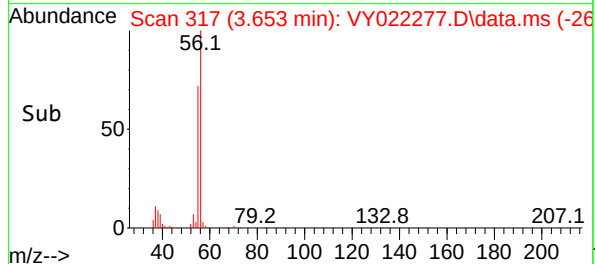
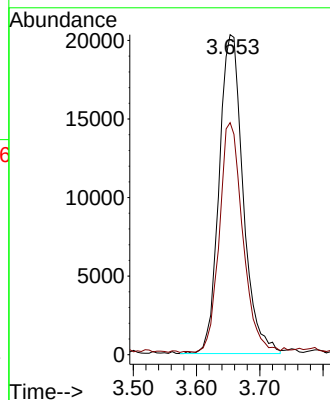
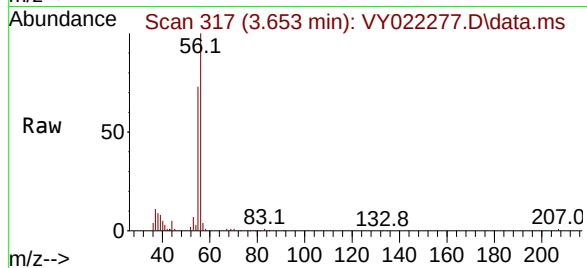
56 100

55 70.0 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#14

Allyl chloride

Concen: 51.302 ug/l

RT: 4.384 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

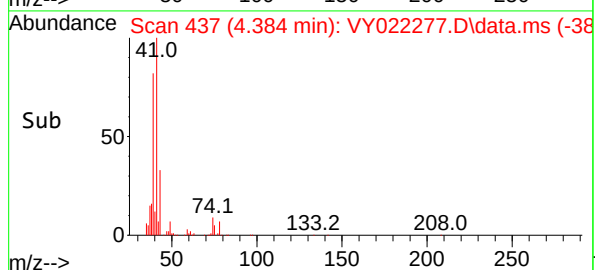
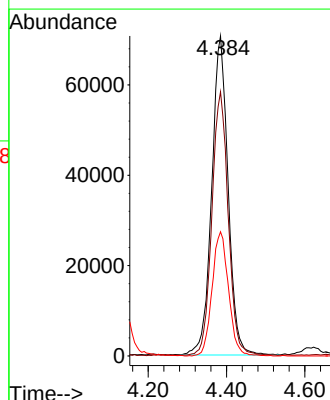
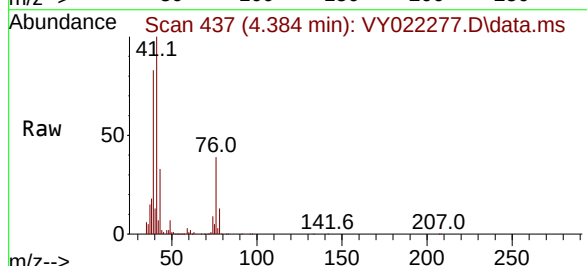
Tgt Ion: 41 Resp: 204941

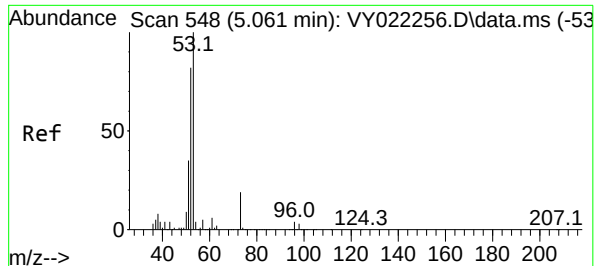
Ion Ratio Lower Upper

41 100

39 82.4 63.4 95.0

76 39.0 29.5 44.3





#15

Acrylonitrile

Concen: 259.711 ug/l

RT: 5.061 min Scan# 548

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 135814

Ion Ratio Lower Upper

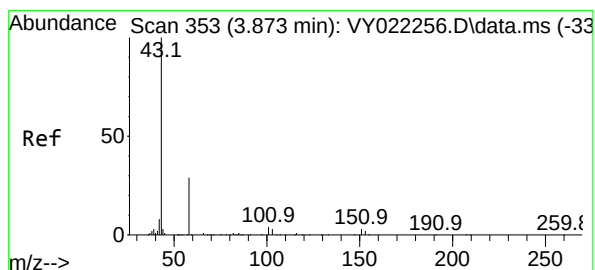
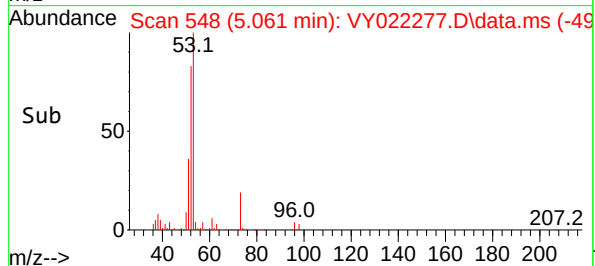
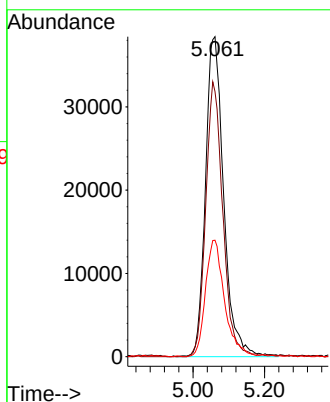
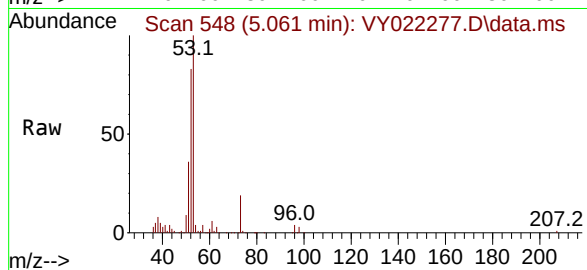
53 100

52 80.9 66.1 99.1

51 38.2 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#16

Acetone

Concen: 250.886 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.000 min

Lab File: VY022277.D

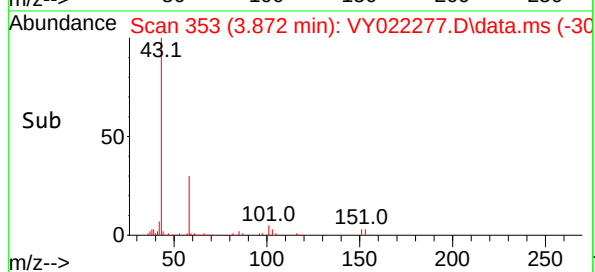
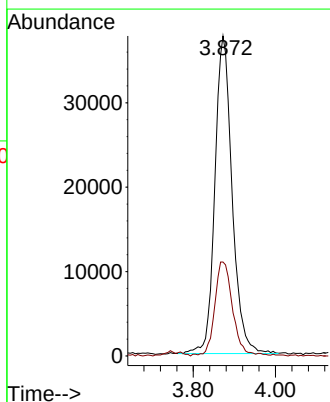
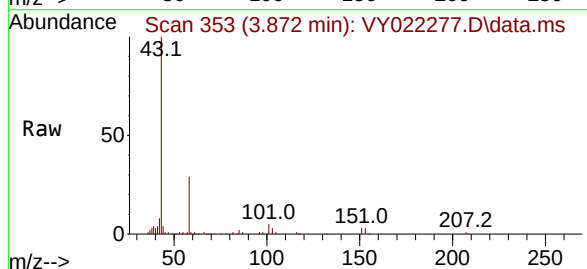
Acq: 16 May 2025 08:24

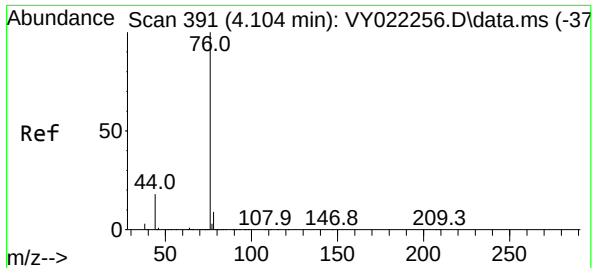
Tgt Ion: 43 Resp: 109507

Ion Ratio Lower Upper

43 100

58 29.3 23.6 35.4





#17

Carbon Disulfide

Concen: 53.042 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY022277.D

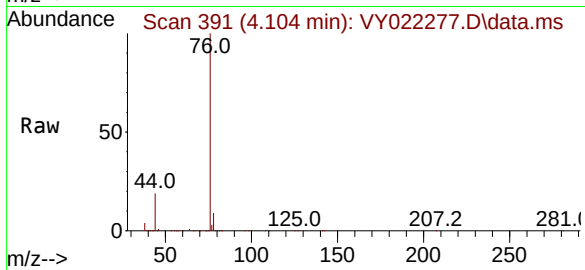
Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 76 Resp: 394070

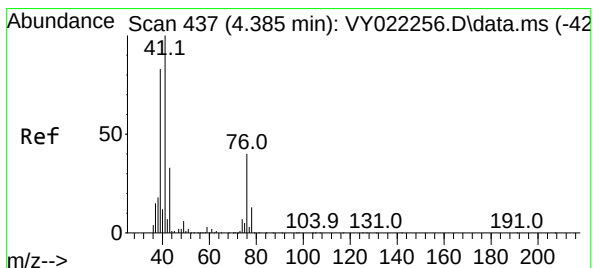
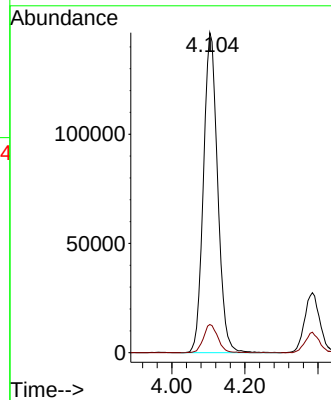
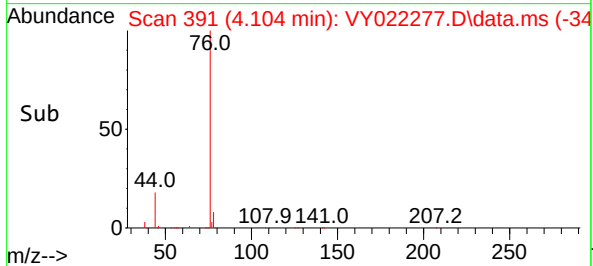
Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#18

Methyl Acetate

Concen: 50.215 ug/l

RT: 4.384 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY022277.D

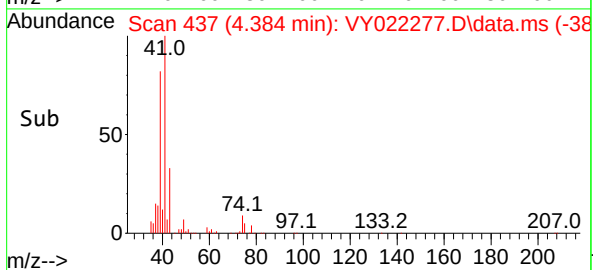
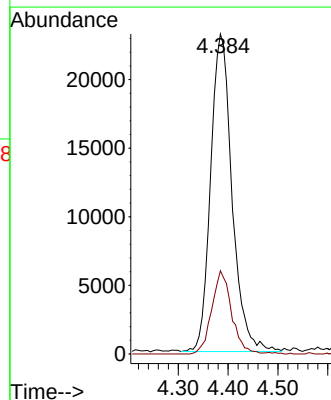
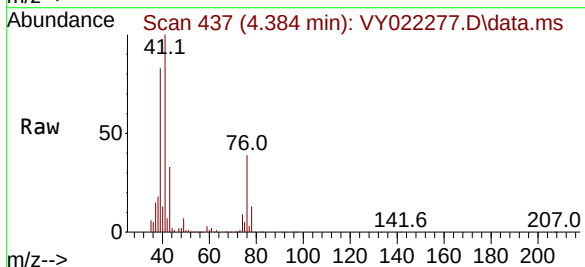
Acq: 16 May 2025 08:24

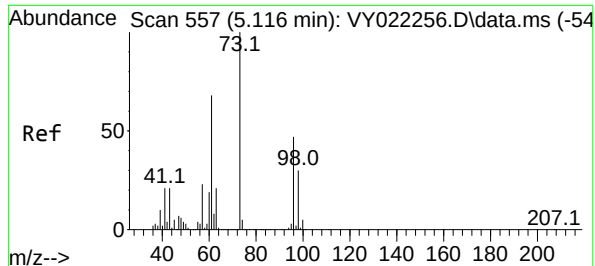
Tgt Ion: 43 Resp: 69106

Ion Ratio Lower Upper

43 100

74 24.2 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 52.321 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 328680

Ion Ratio Lower Upper

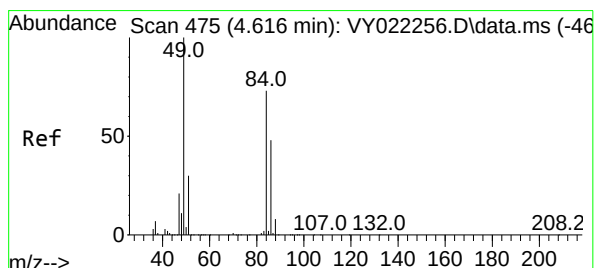
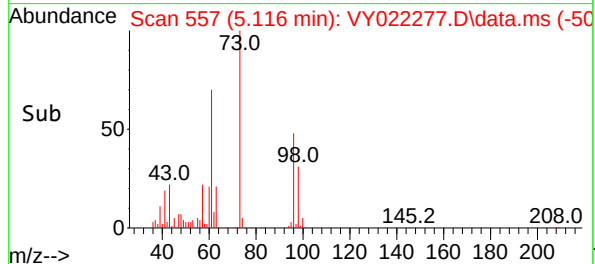
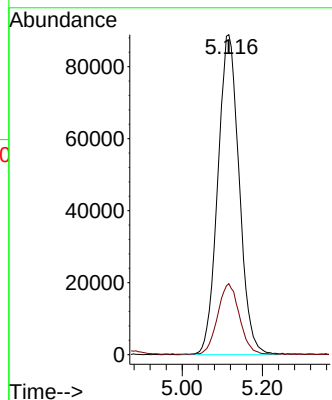
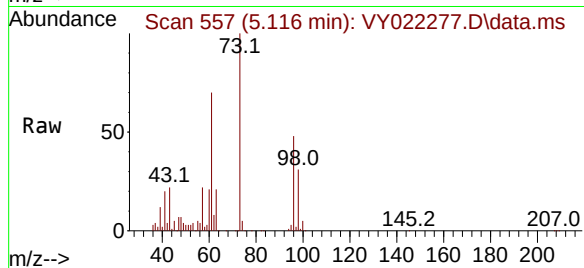
73 100

57 22.1 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#20

Methylene Chloride

Concen: 47.645 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Tgt Ion: 84 Resp: 134377

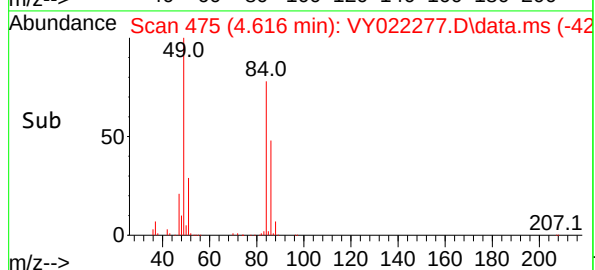
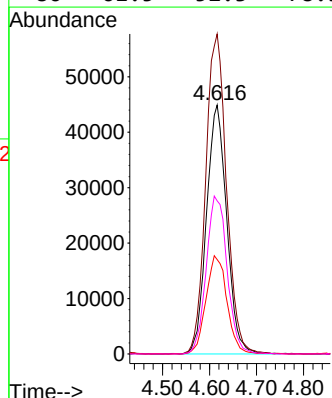
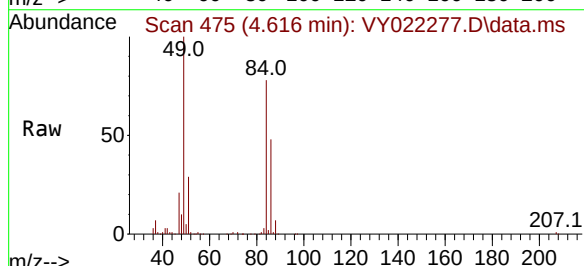
Ion Ratio Lower Upper

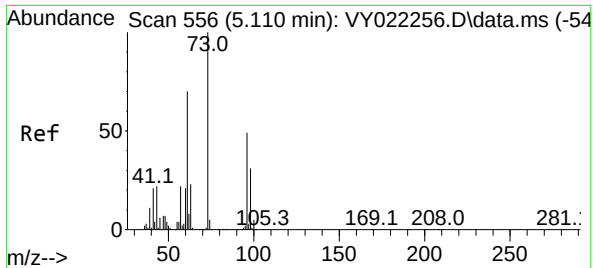
84 100

49 128.6 109.6 164.4

51 37.9 32.4 48.6

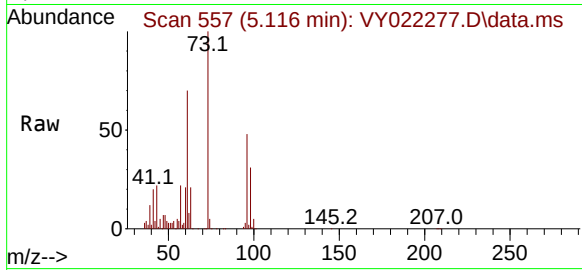
86 61.5 52.3 78.5





#21
trans-1,2-Dichloroethene
Concen: 52.998 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

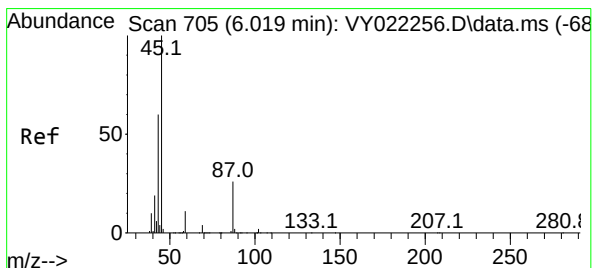
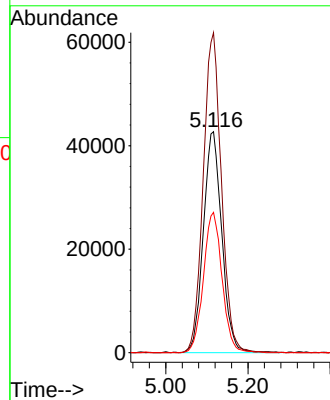
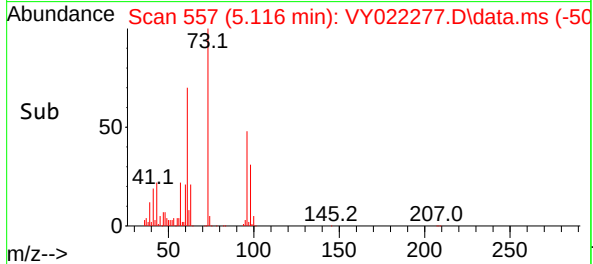
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 133277
Ion Ratio Lower Upper
96 100
61 144.7 113.4 170.0
98 63.5 50.9 76.3

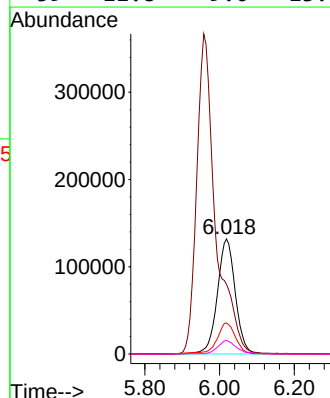
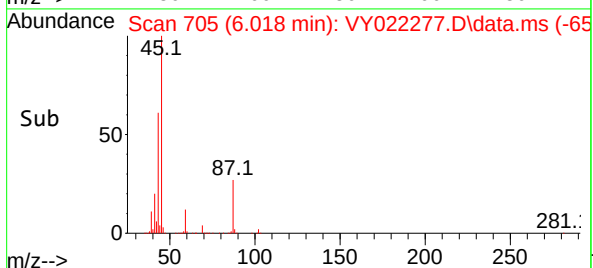
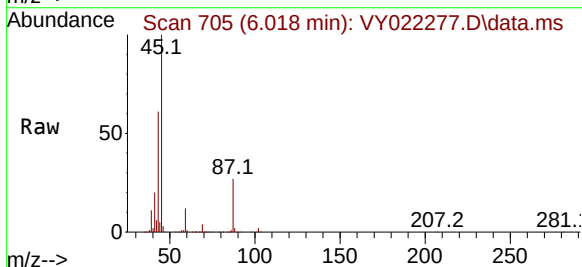
Manual Integrations
APPROVED

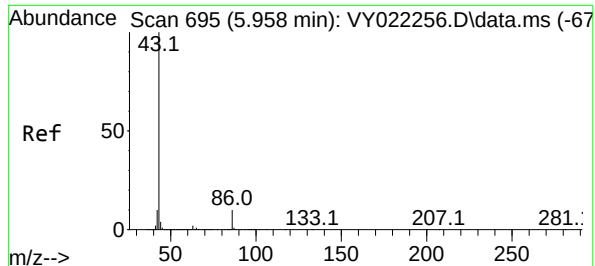
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#22
Diisopropyl ether
Concen: 51.810 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 45 Resp: 437077
Ion Ratio Lower Upper
45 100
43 60.3 48.2 72.2
87 27.0 21.4 32.0
59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 251.128 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1279898

Ion Ratio Lower Upper

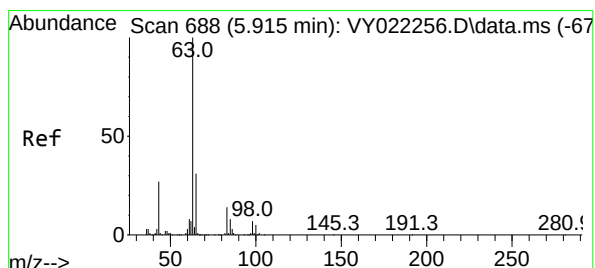
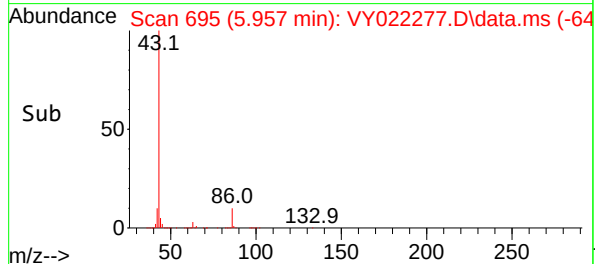
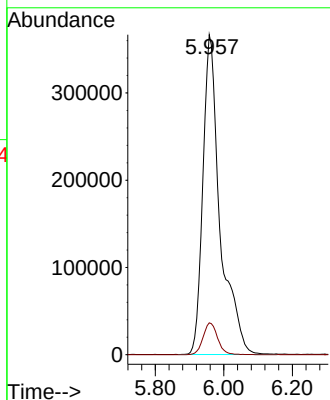
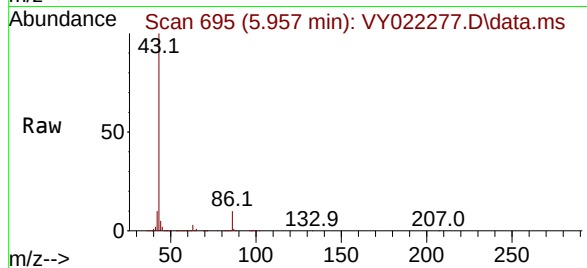
43 100

86 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#24

1,1-Dichloroethane

Concen: 52.970 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

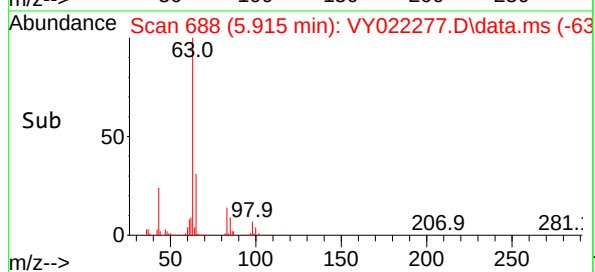
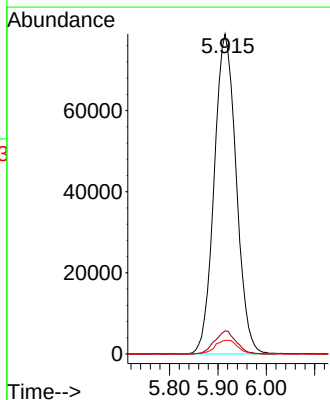
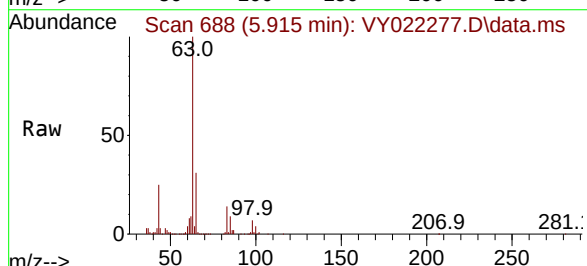
Tgt Ion: 63 Resp: 249652

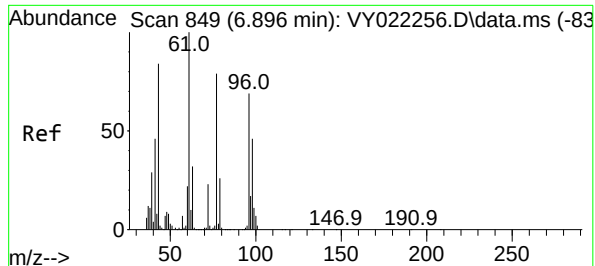
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 242.624 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 17714

Ion Ratio Lower Upper

43

100

72

27.8

22.1

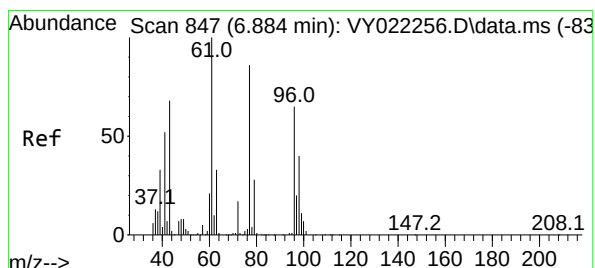
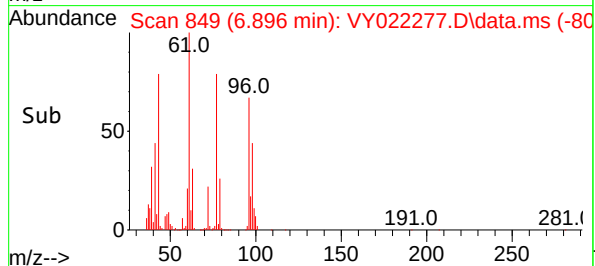
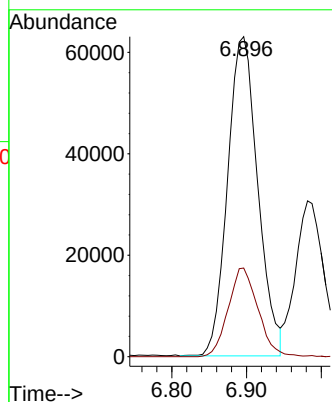
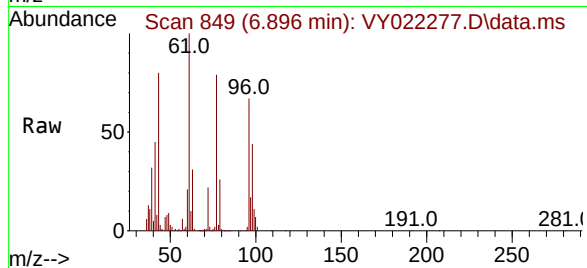
33.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#26

2,2-Dichloropropane

Concen: 54.384 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Tgt Ion: 77 Resp: 227980

Ion Ratio Lower Upper

77

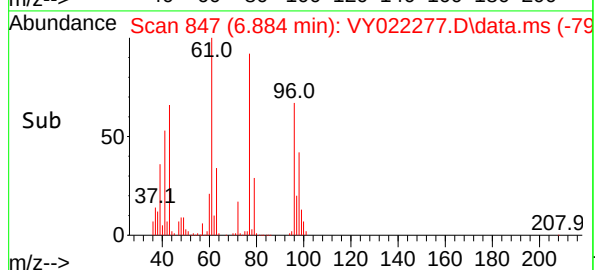
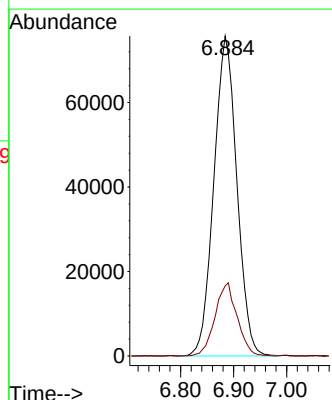
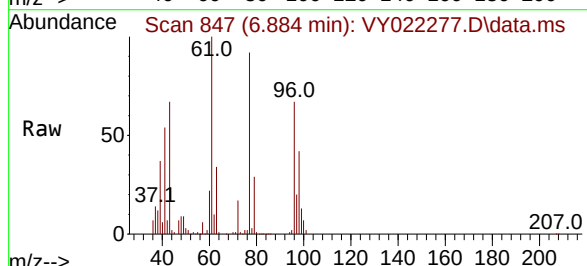
100

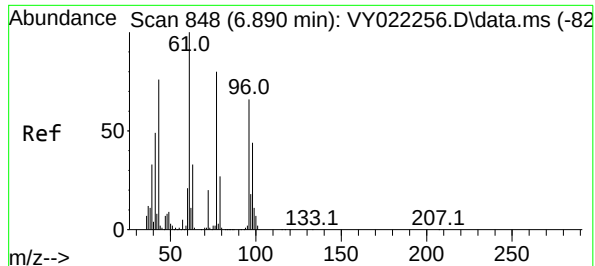
97

22.0

11.2

33.5





#27

cis-1,2-Dichloroethene

Concen: 54.093 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 15697

Ion Ratio Lower Upper

96 100

61 149.9 0.0 302.6

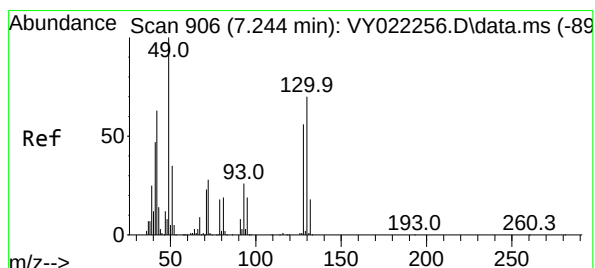
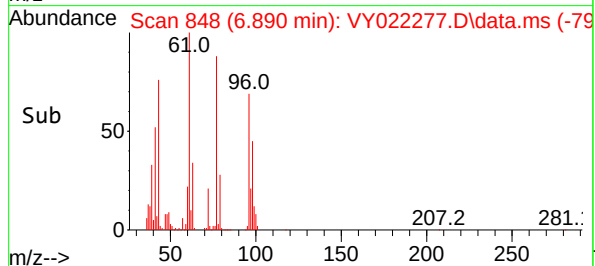
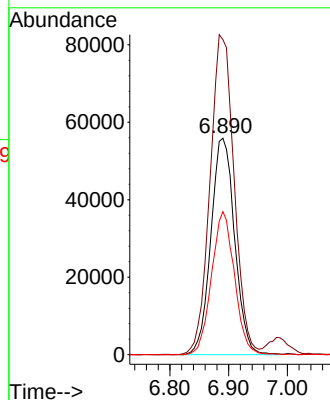
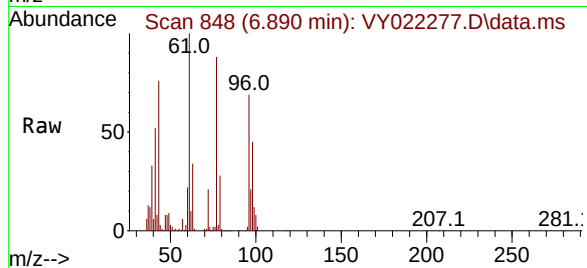
98 63.9 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#28

Bromochloromethane

Concen: 51.625 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

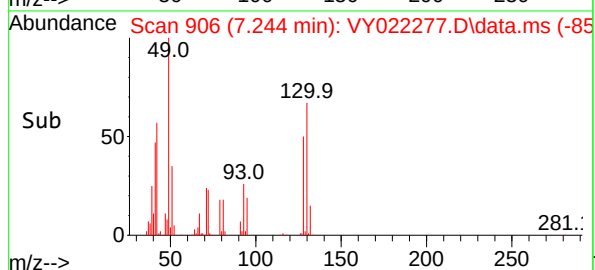
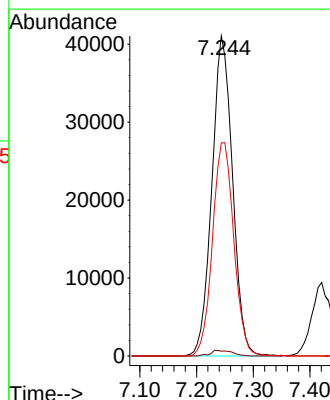
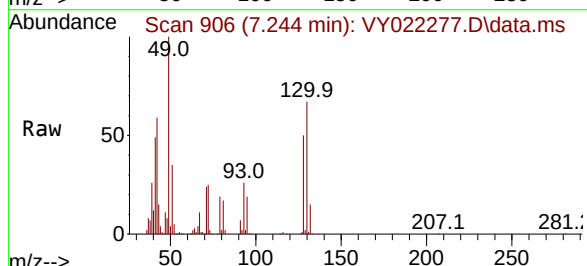
Tgt Ion: 49 Resp: 103785

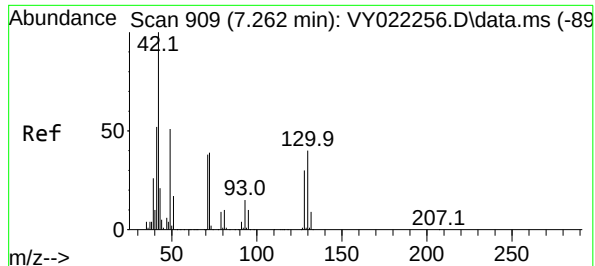
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.0 54.7 82.1





#29

Tetrahydrofuran

Concen: 246.422 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 115748

Ion Ratio Lower Upper

42 100

72 44.3 33.8 50.6

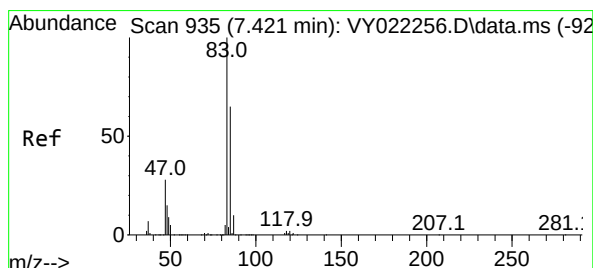
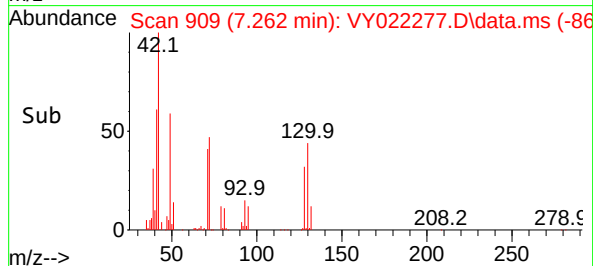
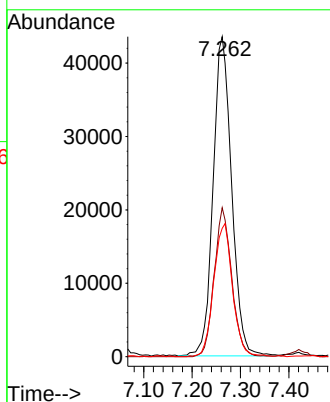
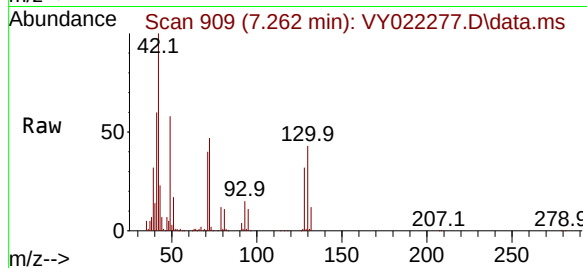
71 42.3 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#30

Chloroform

Concen: 54.713 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022277.D

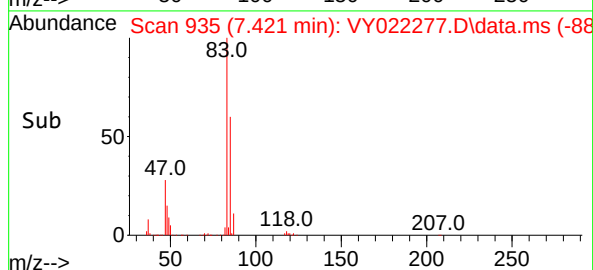
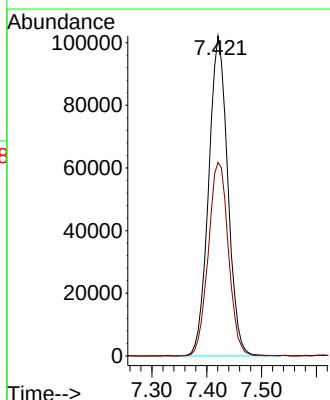
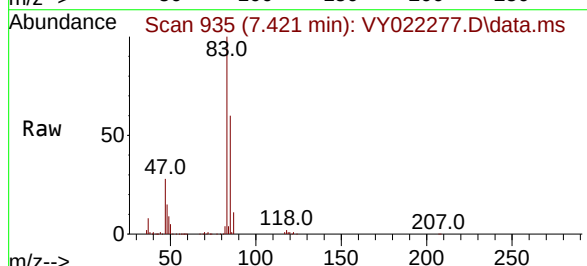
Acq: 16 May 2025 08:24

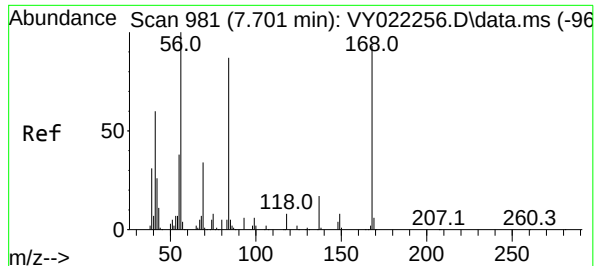
Tgt Ion: 83 Resp: 247345

Ion Ratio Lower Upper

83 100

85 60.5 51.8 77.8





#31

Cyclohexane

Concen: 49.457 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 232890

Ion Ratio Lower Upper

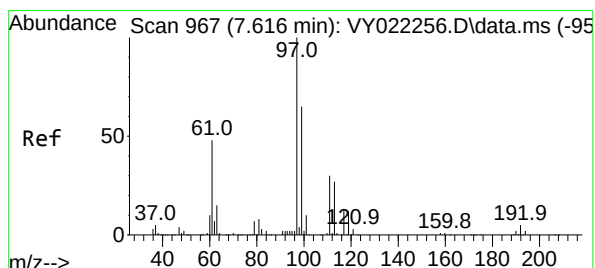
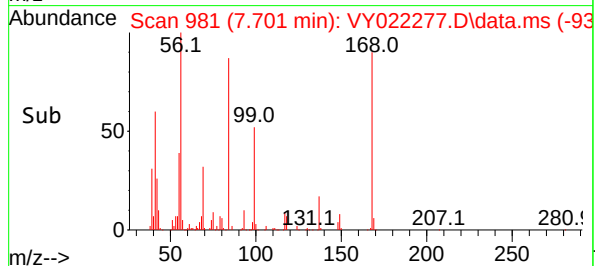
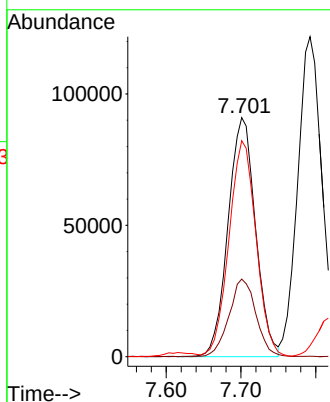
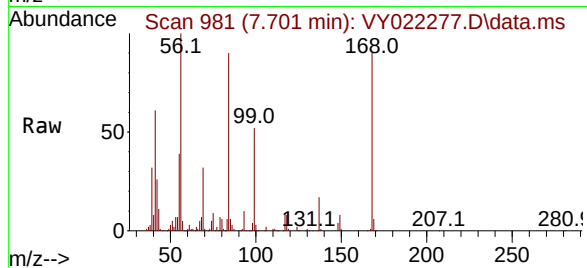
56 100

69 32.4 27.4 41.2

84 88.6 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#32

1,1,1-Trichloroethane

Concen: 53.304 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

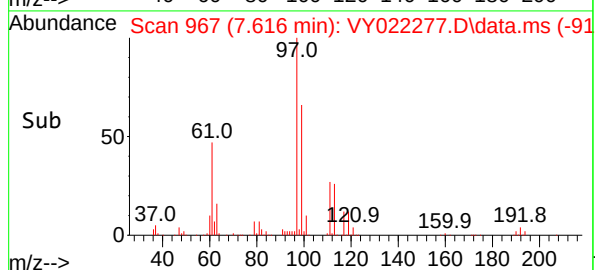
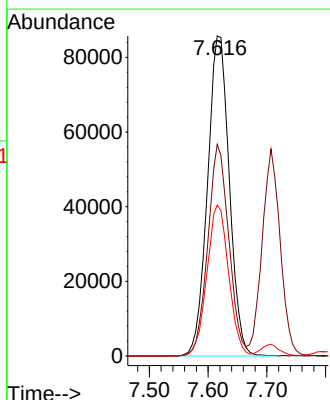
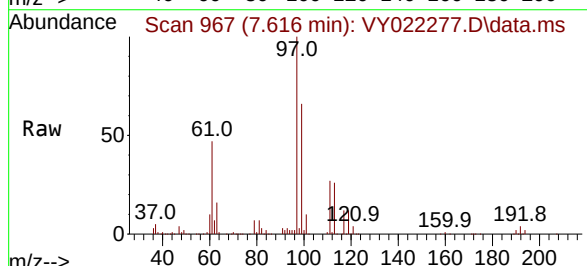
Tgt Ion: 97 Resp: 221082

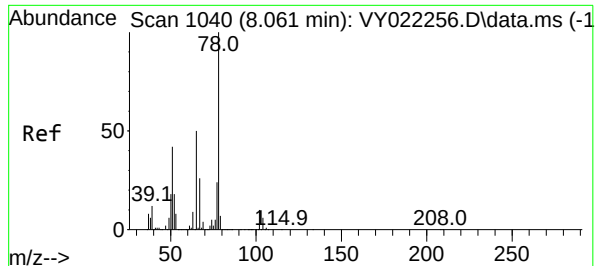
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 47.0 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 50.505 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 11756

Ion Ratio Lower Upper

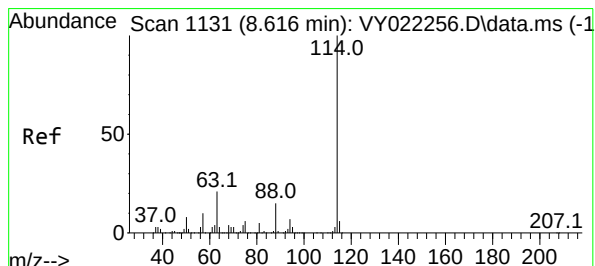
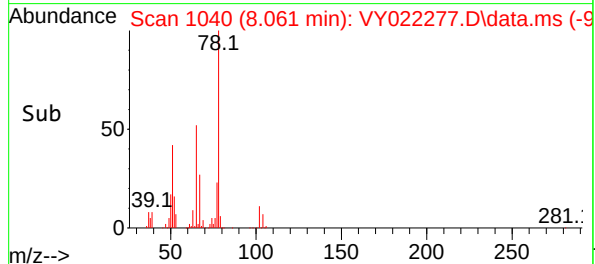
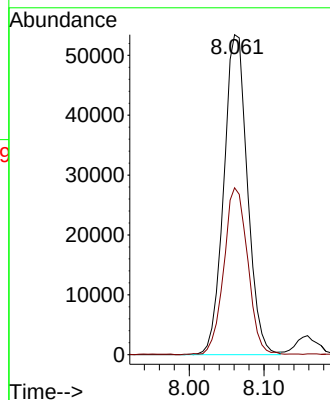
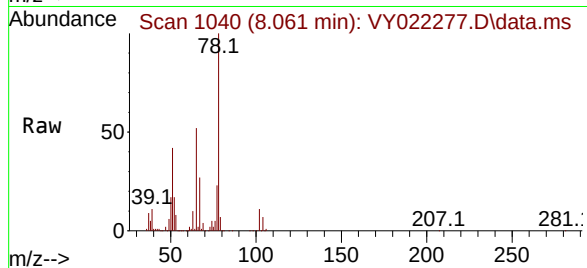
65 100

67 52.7 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

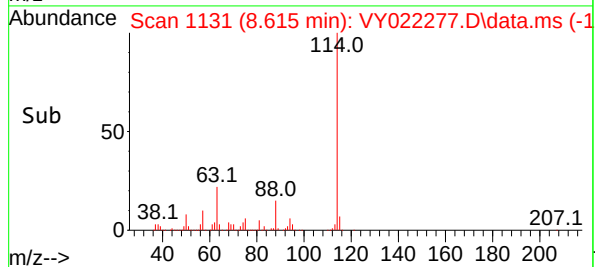
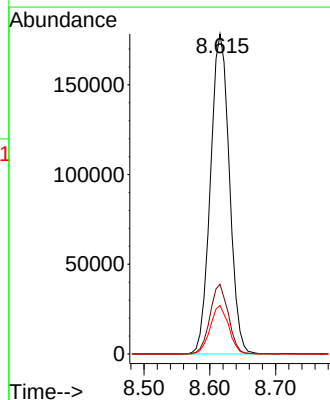
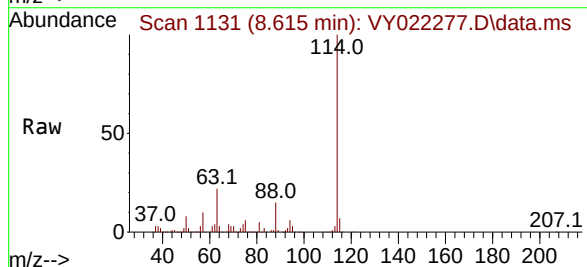
Tgt Ion:114 Resp: 356583

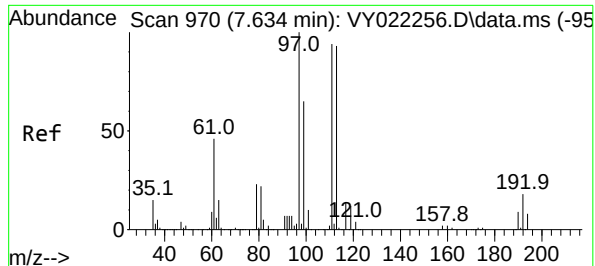
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.0

88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.525 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 10966

Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

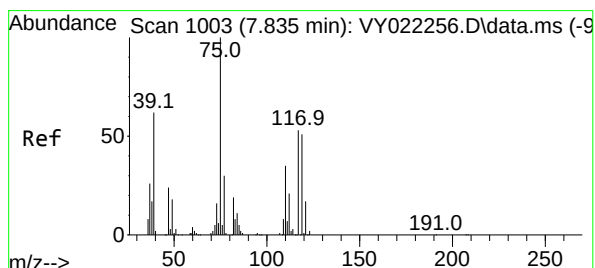
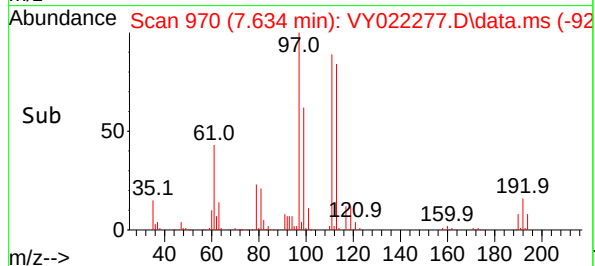
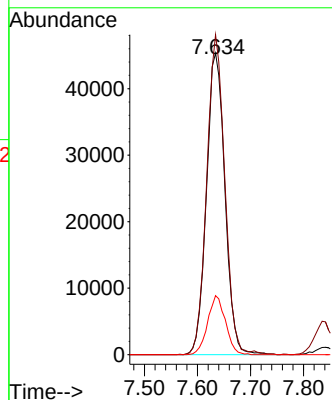
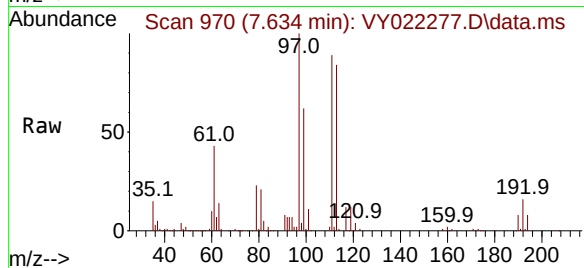
192 18.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#36

1,1-Dichloropropene

Concen: 52.341 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

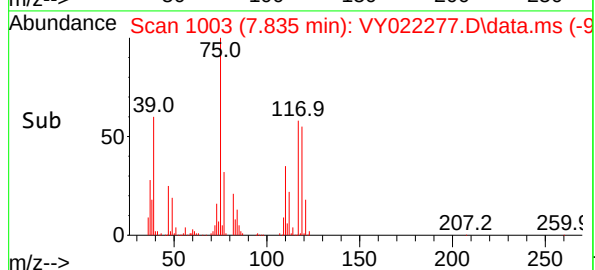
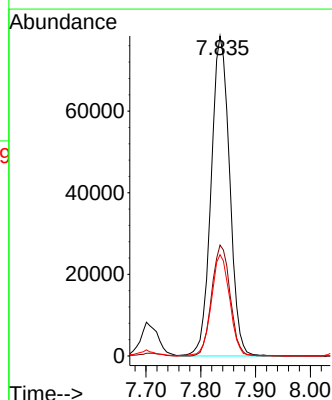
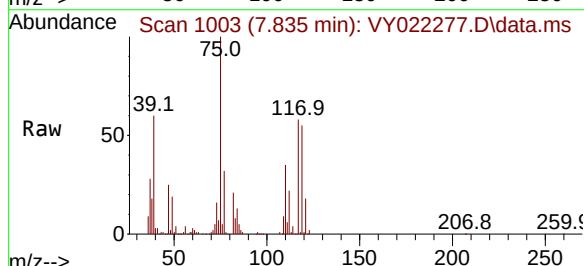
Tgt Ion: 75 Resp: 183482

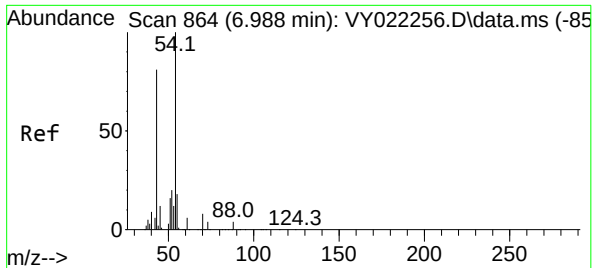
Ion Ratio Lower Upper

75 100

110 34.5 16.6 49.8

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 48.715 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 8216

Ion Ratio Lower Upper

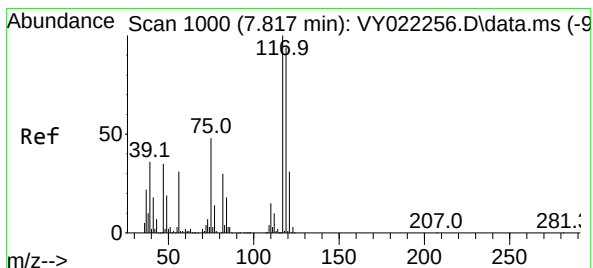
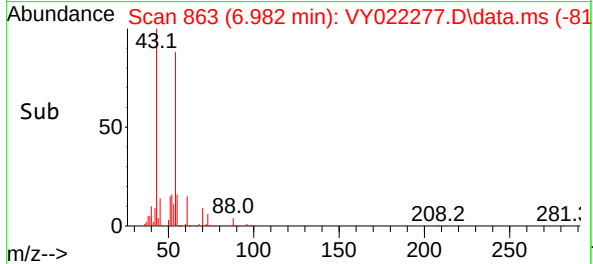
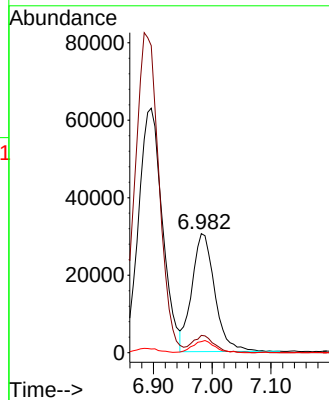
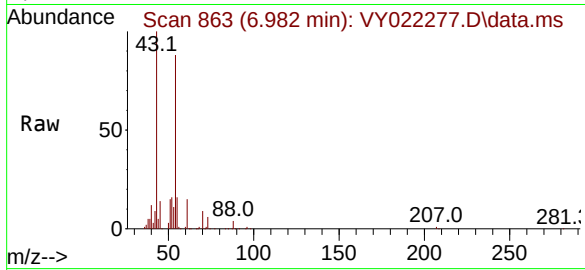
43 100

61 14.0 10.2 15.2

70 9.9 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#38

Carbon Tetrachloride

Concen: 52.737 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

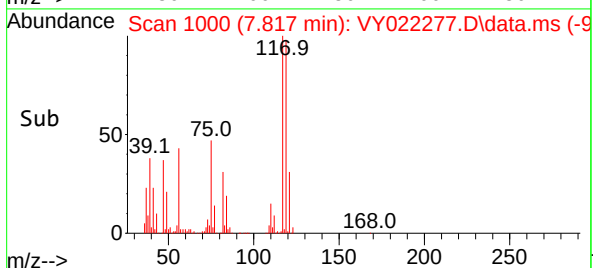
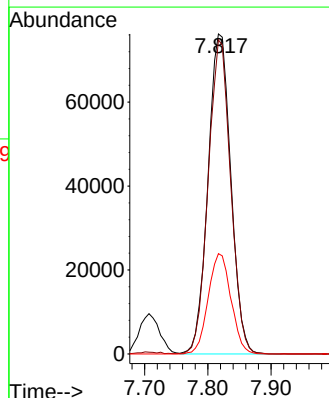
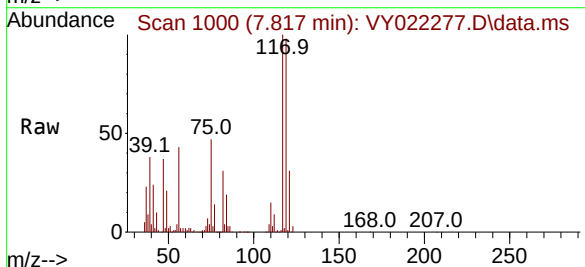
Tgt Ion:117 Resp: 191365

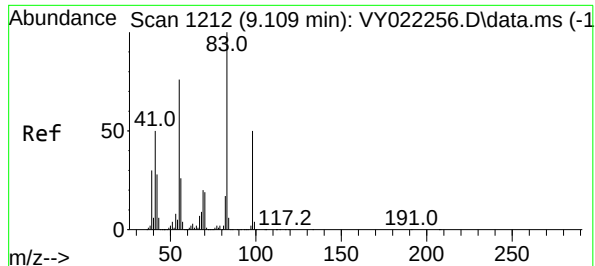
Ion Ratio Lower Upper

117 100

119 98.1 75.3 112.9

121 31.4 24.7 37.1





#39

Methylcyclohexane

Concen: 51.496 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 242532

Ion Ratio Lower Upper

83 100

55 75.8 60.6 90.8

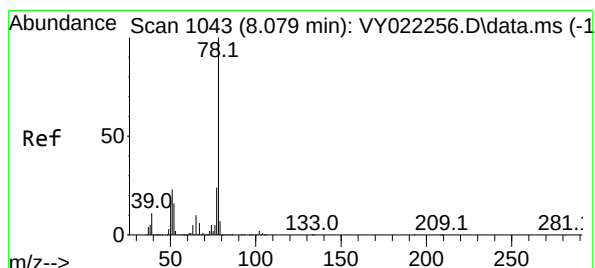
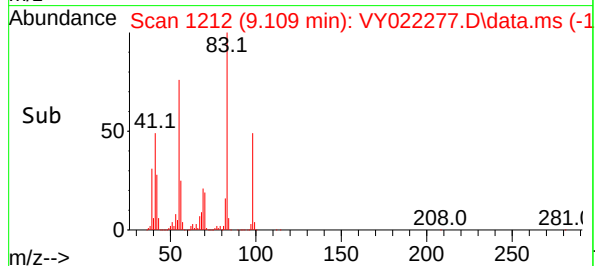
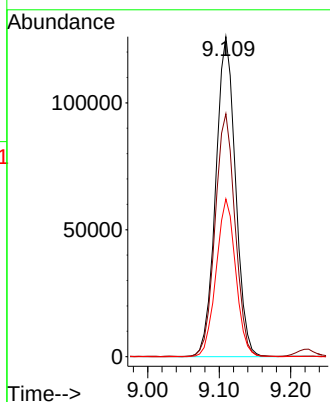
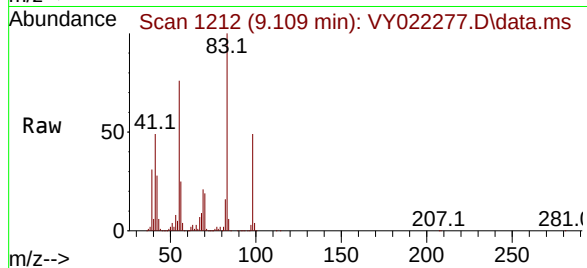
98 49.3 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#40

Benzene

Concen: 53.771 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022277.D

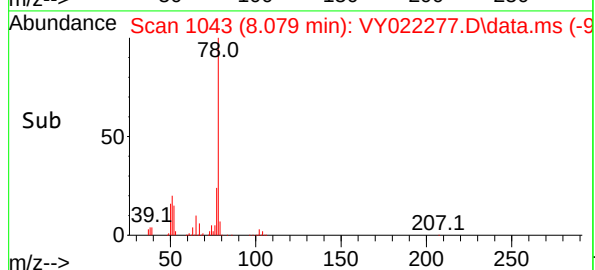
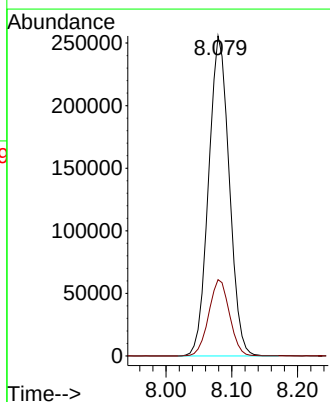
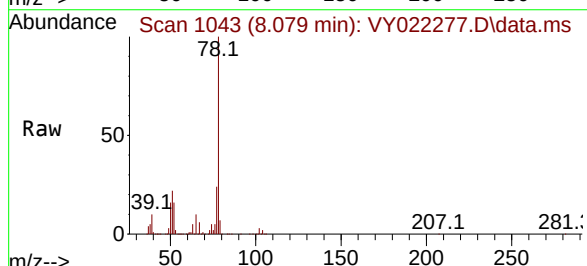
Acq: 16 May 2025 08:24

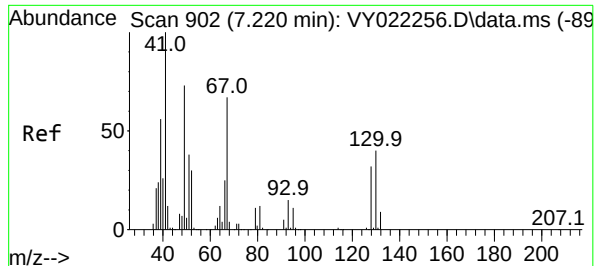
Tgt Ion: 78 Resp: 558801

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 44.718 ug/l

RT: 7.219 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 5003

Ion Ratio Lower Upper

41 100

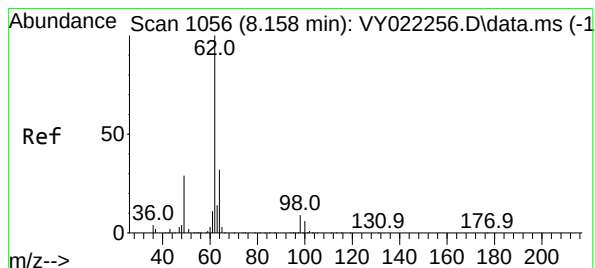
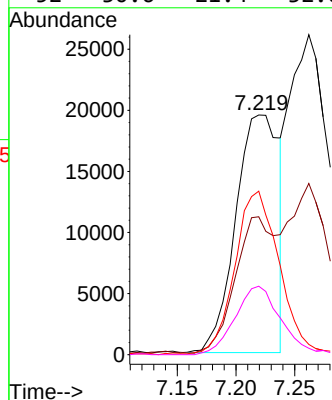
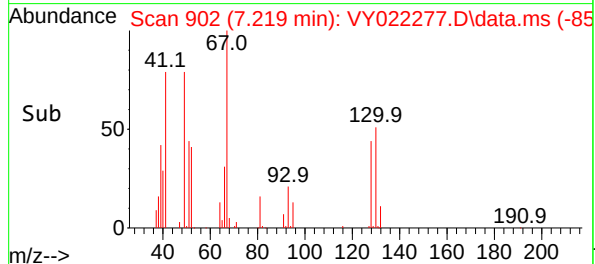
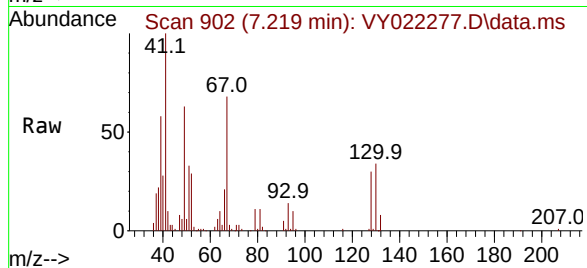
39 48.9 39.1 58.7

67 71.1 47.1 70.7

52 30.6 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#42

1,2-Dichloroethane

Concen: 52.870 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022277.D

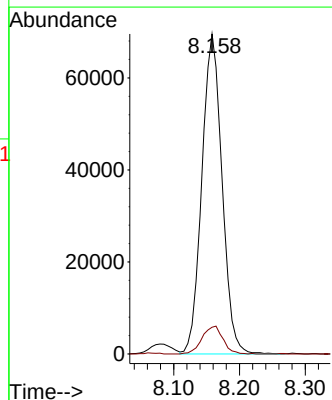
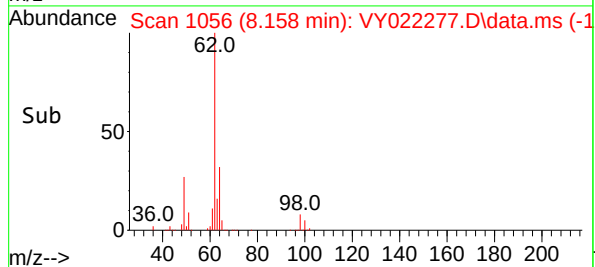
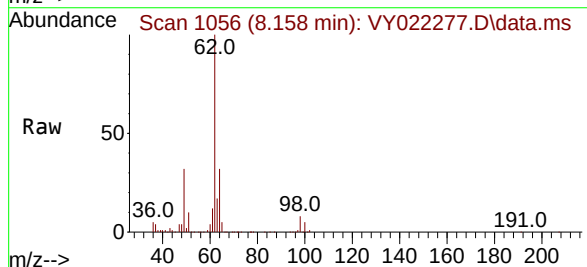
Acq: 16 May 2025 08:24

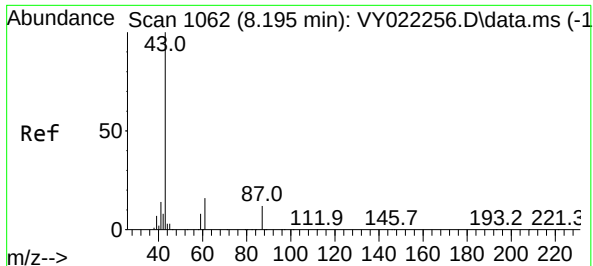
Tgt Ion: 62 Resp: 148582

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 49.654 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 18265

Ion Ratio Lower Upper

43 100

61 27.4 15.1 22.7

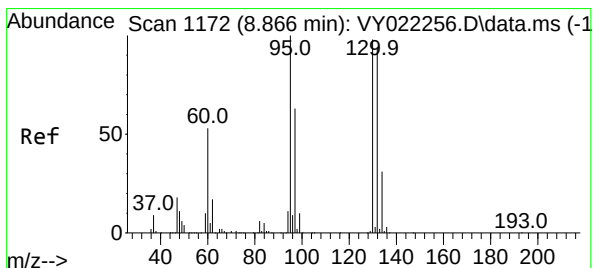
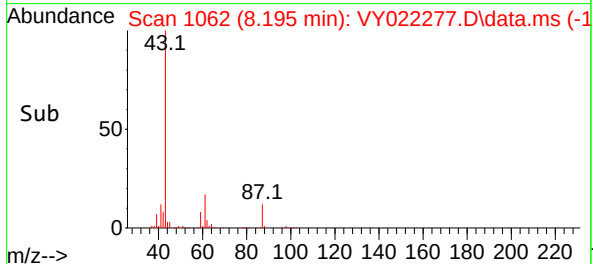
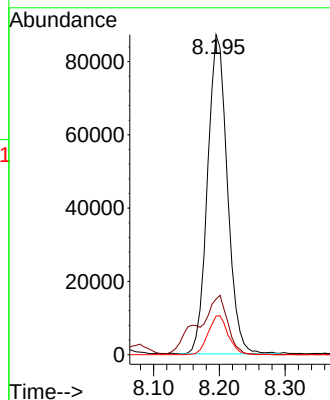
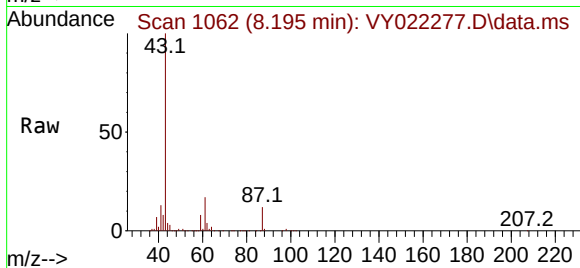
87 12.3 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#44

Trichloroethene

Concen: 52.539 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022277.D

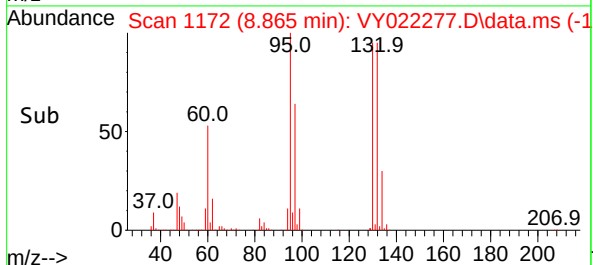
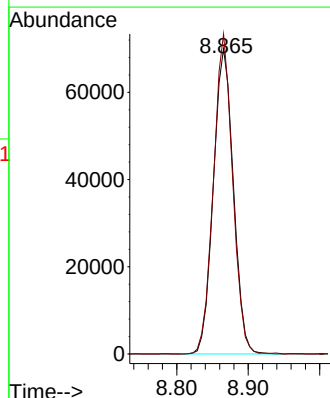
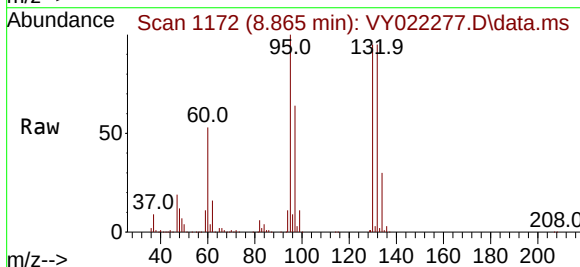
Acq: 16 May 2025 08:24

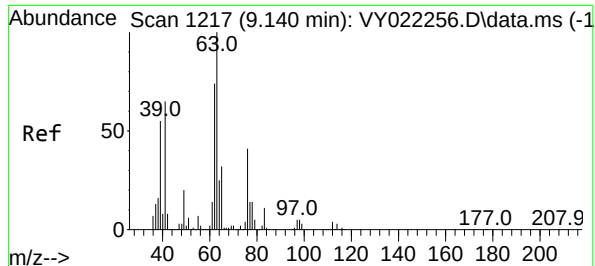
Tgt Ion:130 Resp: 135760

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.8





#45

1,2-Dichloropropane

Concen: 52.735 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 132120

Ion Ratio Lower Upper

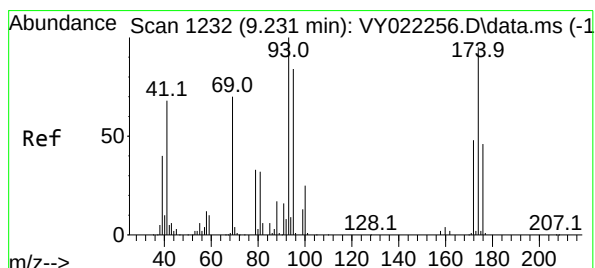
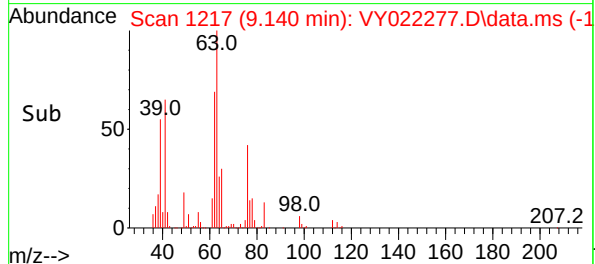
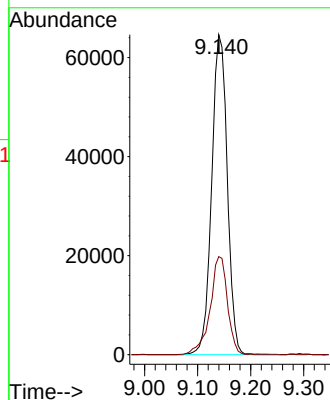
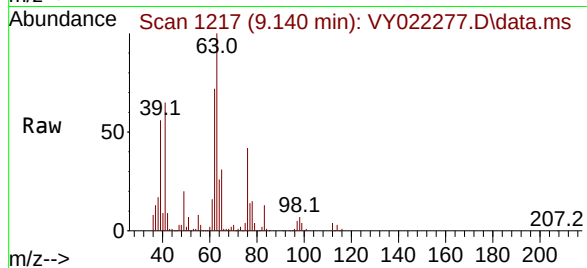
63 100

65 30.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#46

Dibromomethane

Concen: 51.869 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

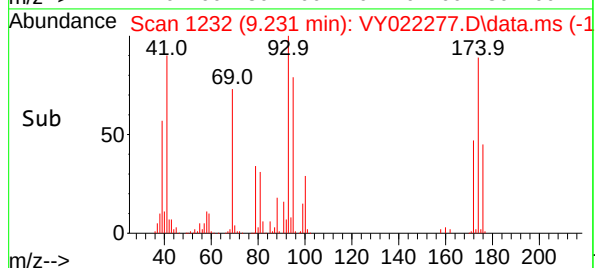
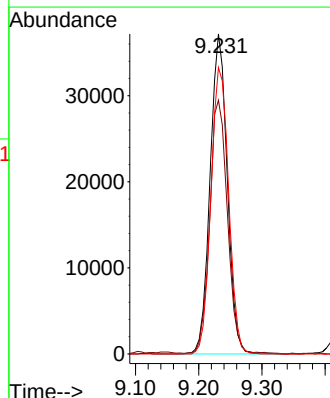
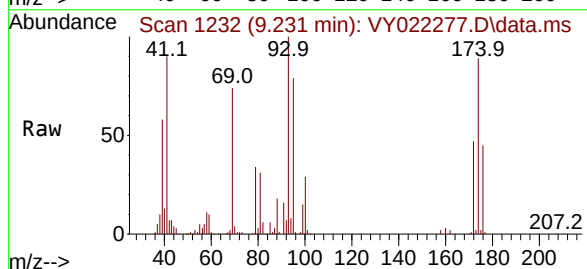
Tgt Ion: 93 Resp: 70093

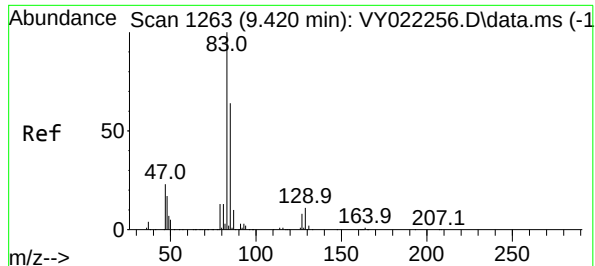
Ion Ratio Lower Upper

93 100

95 82.2 65.2 97.8

174 92.2 74.3 111.5





#47

Bromodichloromethane

Concen: 54.169 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 18990

Ion Ratio Lower Upper

83 100

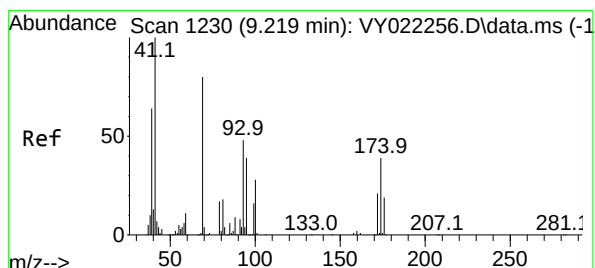
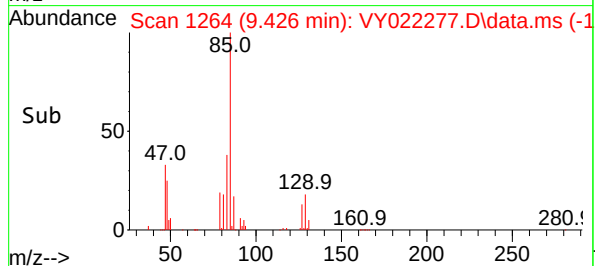
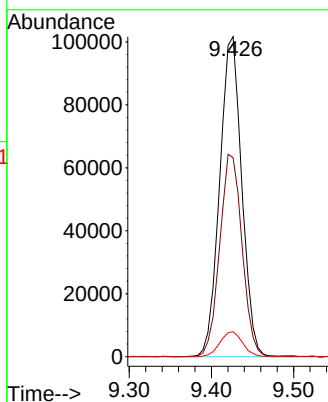
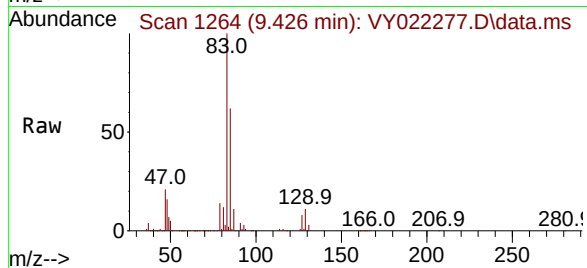
85 62.2 51.1 76.7

127 7.8 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#48

Methyl methacrylate

Concen: 49.534 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

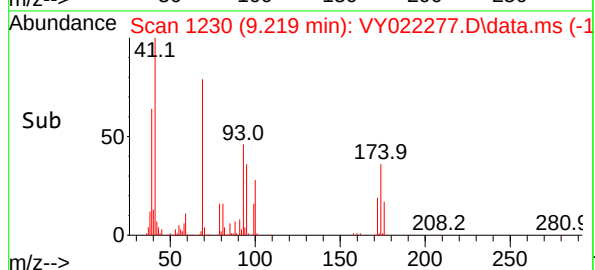
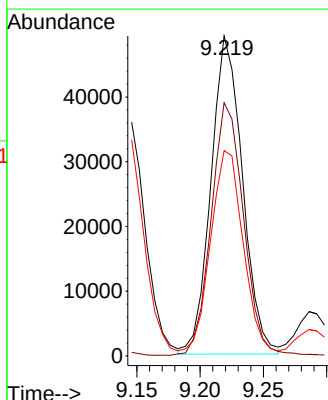
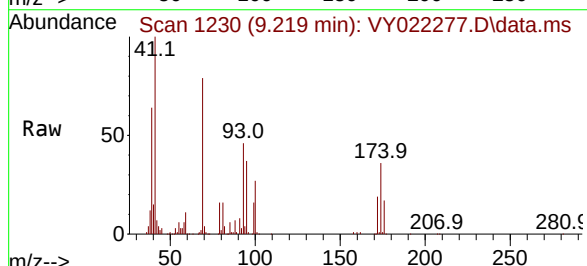
Tgt Ion: 41 Resp: 85212

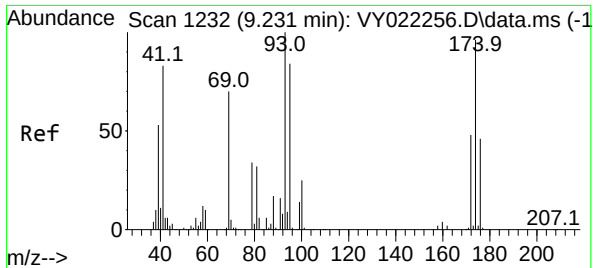
Ion Ratio Lower Upper

41 100

69 81.3 63.5 95.3

39 64.2 50.8 76.2





#49

1,4-Dioxane

Concen: 1001.752 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1529

Ion Ratio Lower Upper

88 100

43 35.1 28.5 42.7

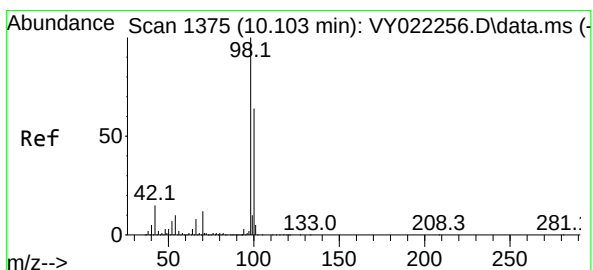
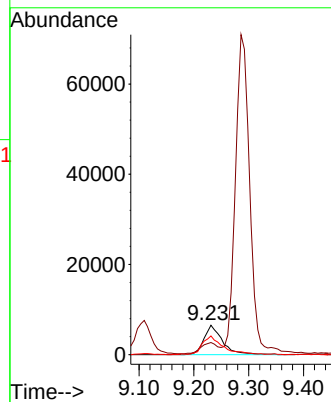
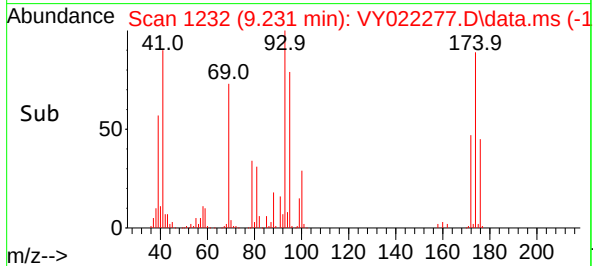
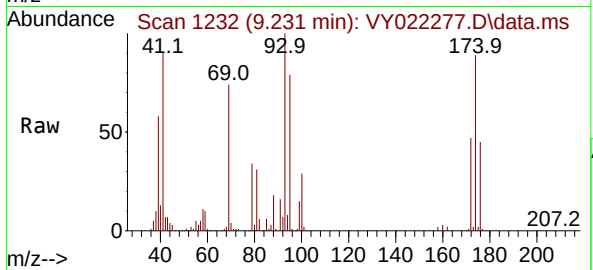
58 71.0 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#50

Toluene-d8

Concen: 51.731 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022277.D

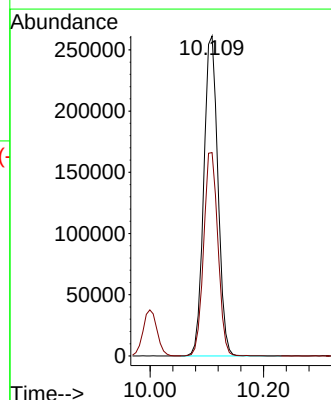
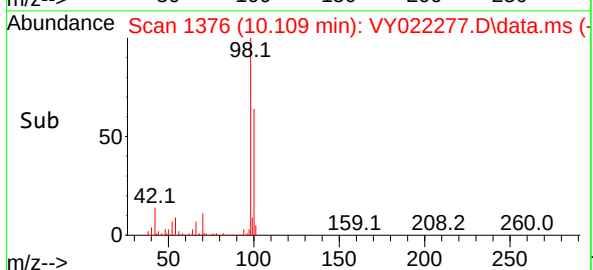
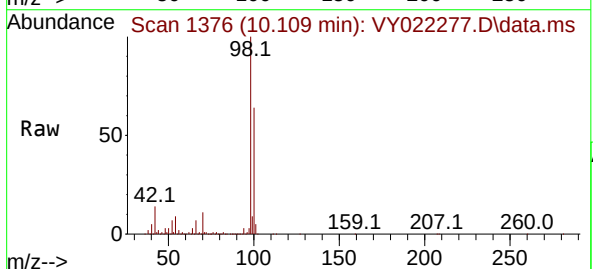
Acq: 16 May 2025 08:24

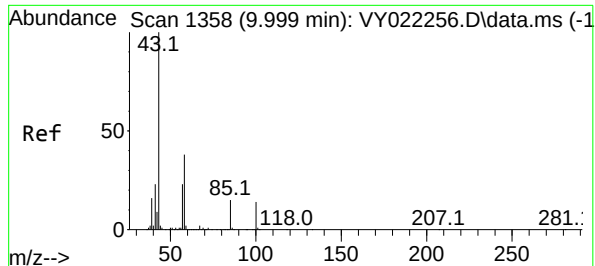
Tgt Ion: 98 Resp: 450916

Ion Ratio Lower Upper

98 100

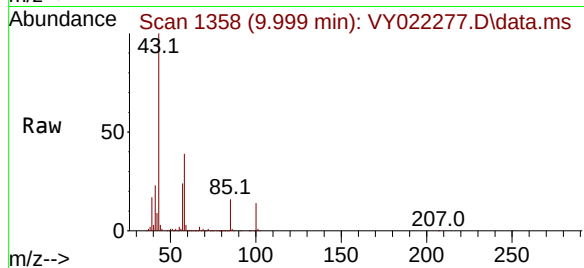
100 63.9 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 247.383 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

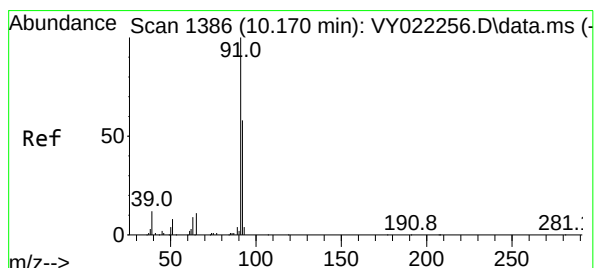
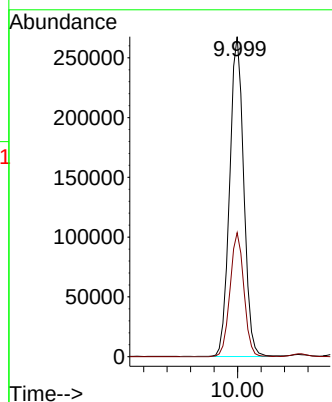
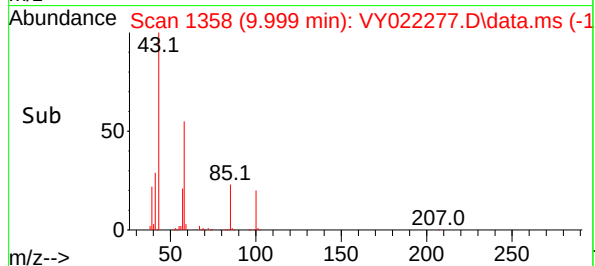
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



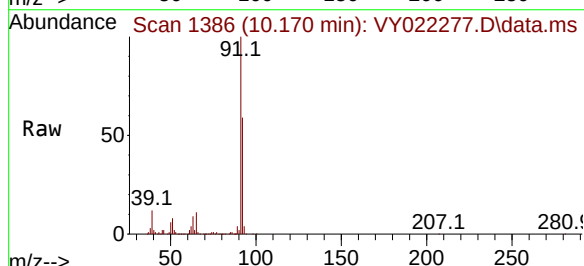
Tgt Ion: 43 Resp: 446509
Ion Ratio Lower Upper
43 100
58 38.2 29.4 44.2

Manual Integrations
APPROVED

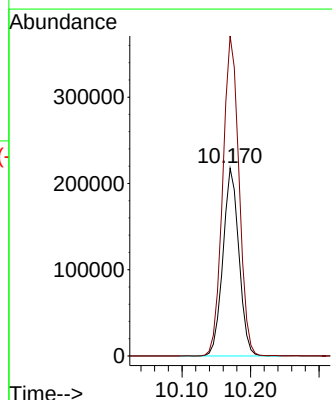
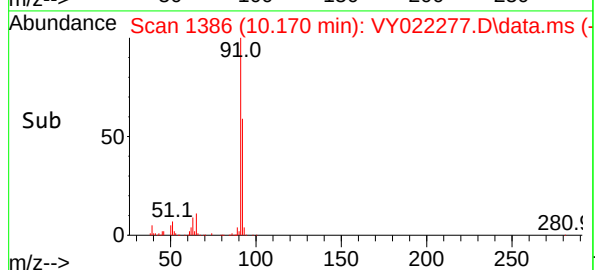
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

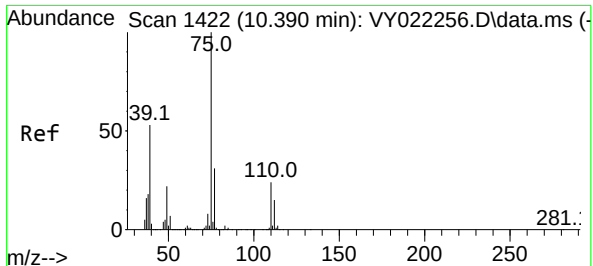


#52
Toluene
Concen: 53.192 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



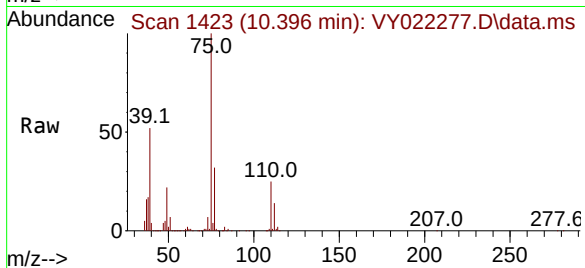
Tgt Ion: 92 Resp: 350043
Ion Ratio Lower Upper
92 100
91 174.3 139.1 208.7





#53
t-1,3-Dichloropropene
Concen: 52.062 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

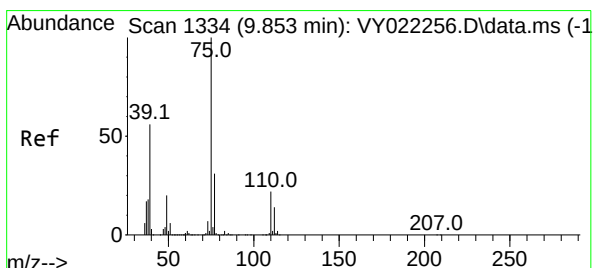
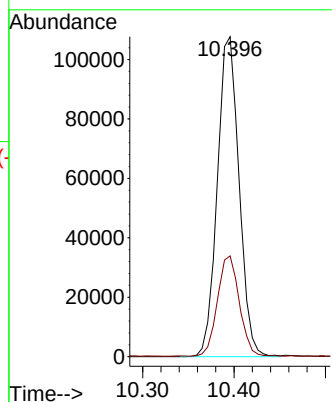
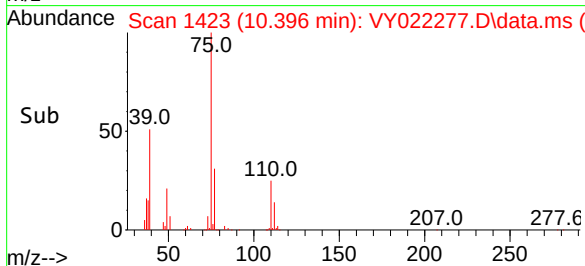
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



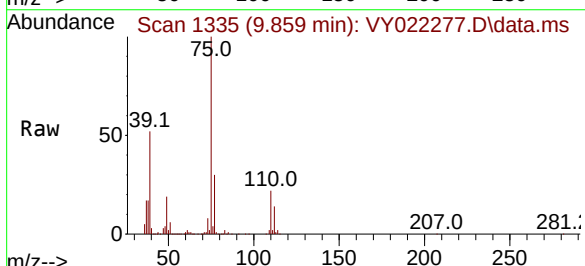
Tgt Ion: 75 Resp: 17812
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

Manual Integrations
APPROVED

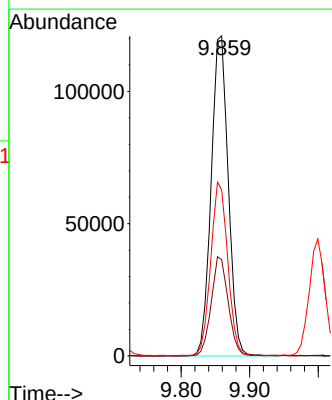
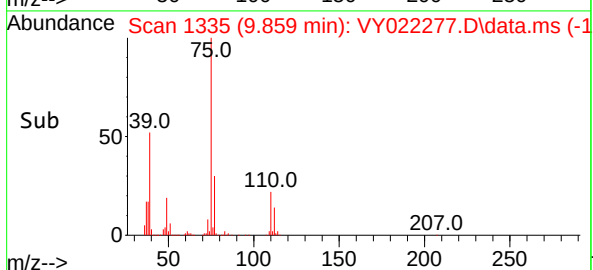
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

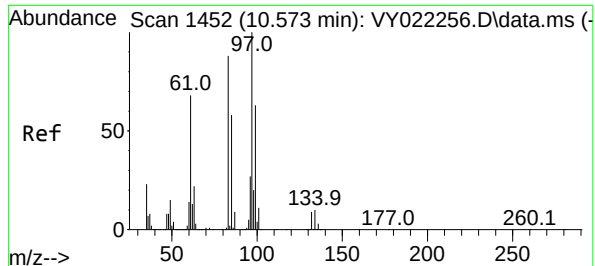


#54
cis-1,3-Dichloropropene
Concen: 53.441 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



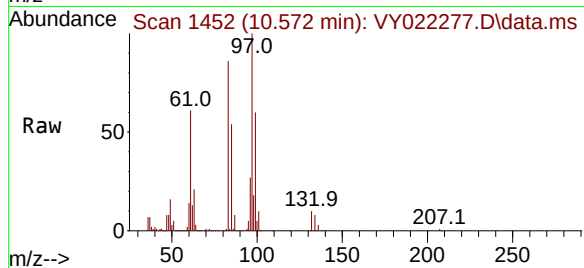
Tgt Ion: 75 Resp: 209477
Ion Ratio Lower Upper
75 100
77 30.1 25.1 37.7
39 51.7 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 52.364 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

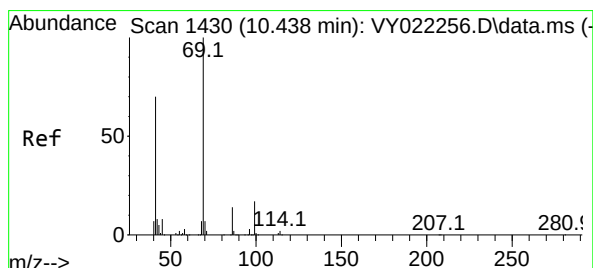
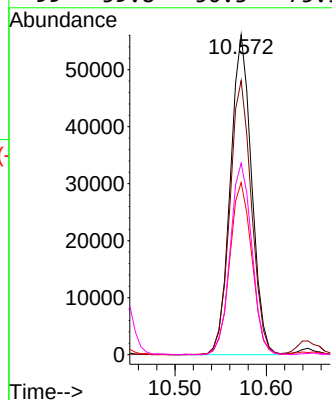
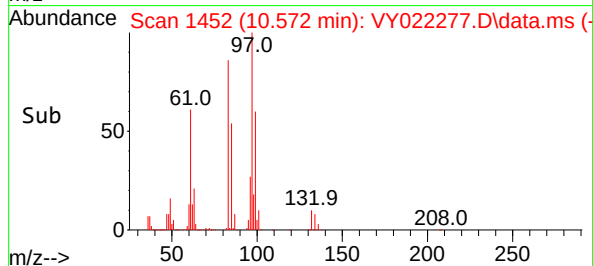
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



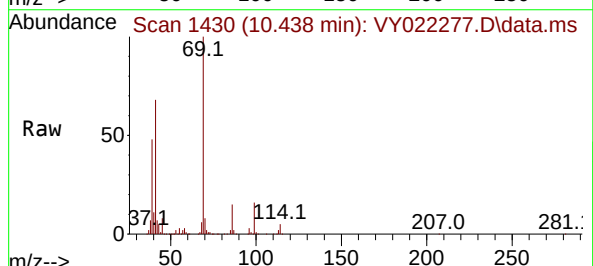
Tgt Ion: 97 Resp: 90611
Ion Ratio Lower Upper
97 100
83 85.7 70.3 105.5
85 53.8 46.2 69.4
99 59.8 50.3 75.5

Manual Integrations
APPROVED

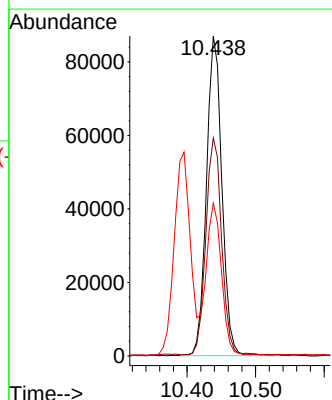
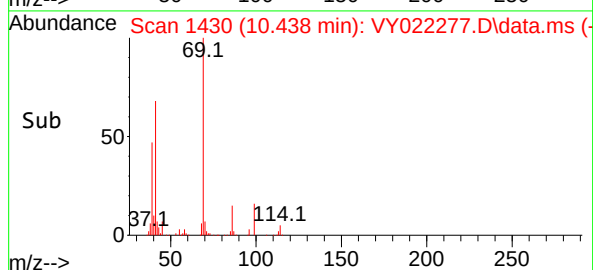
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

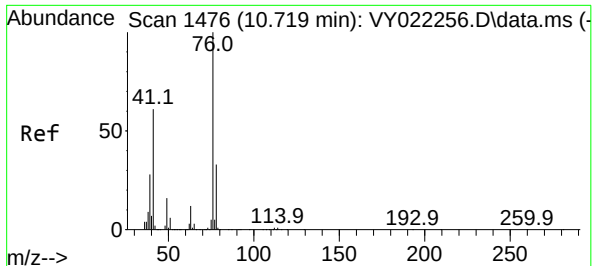


#56
Ethyl methacrylate
Concen: 50.626 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



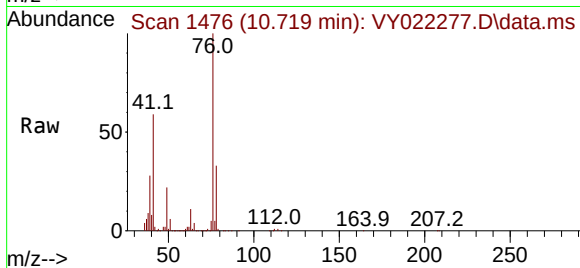
Tgt Ion: 69 Resp: 136463
Ion Ratio Lower Upper
69 100
41 68.9 56.5 84.7
39 47.8 37.1 55.7





#57
1,3-Dichloropropane
Concen: 52.534 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

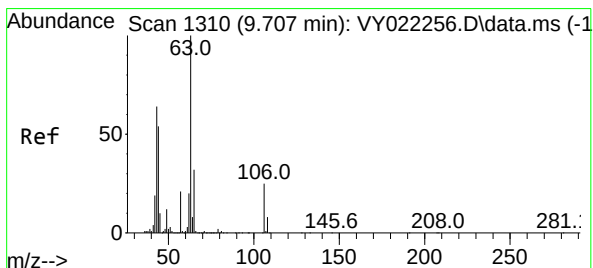
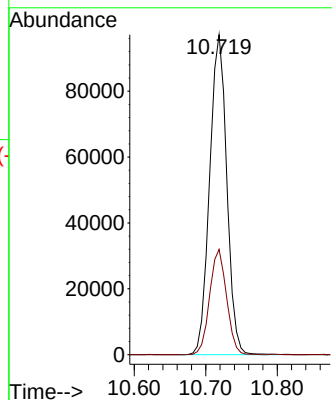
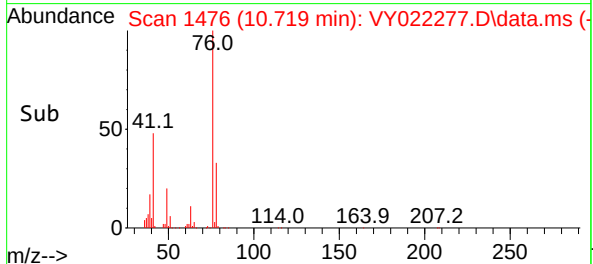
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



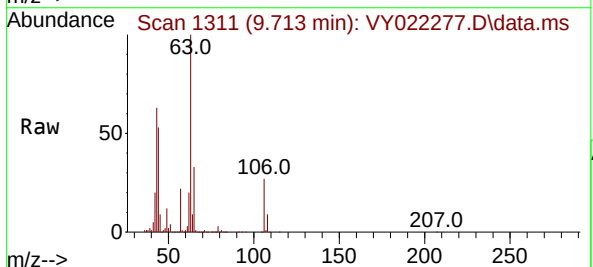
Tgt Ion: 76 Resp: 161520
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

Manual Integrations
APPROVED

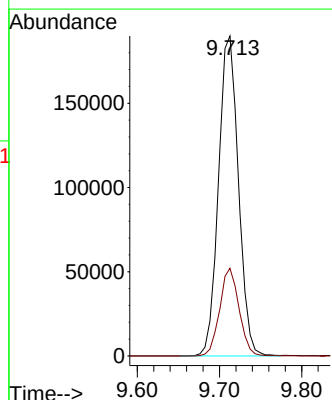
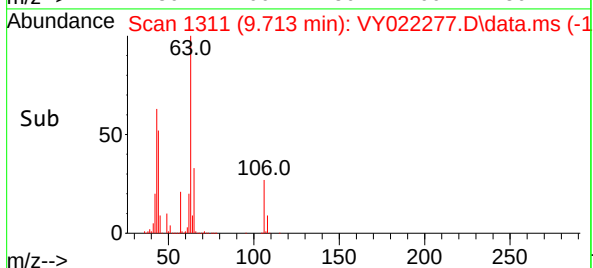
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

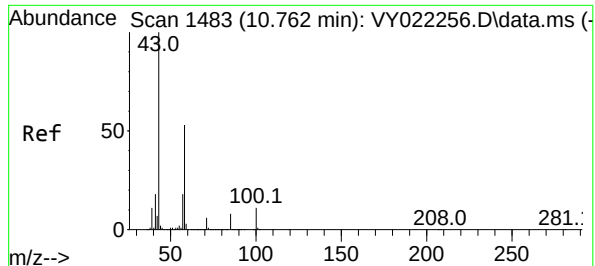


#58
2-Chloroethyl Vinyl ether
Concen: 263.967 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



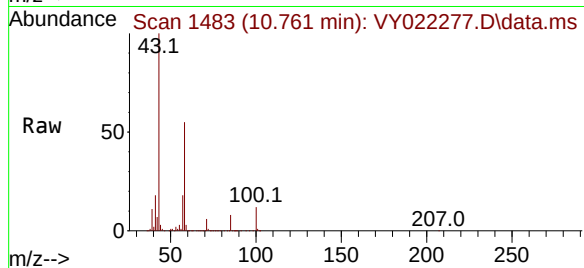
Tgt Ion: 63 Resp: 319368
Ion Ratio Lower Upper
63 100
106 26.7 21.0 31.4





#59
2-Hexanone
Concen: 243.243 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

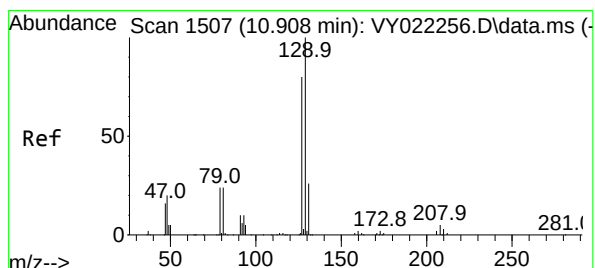
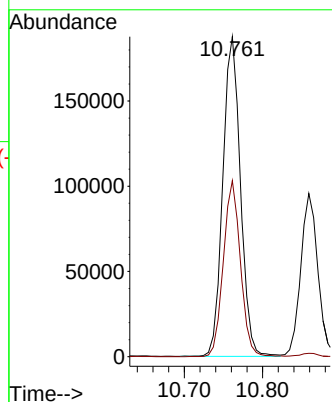
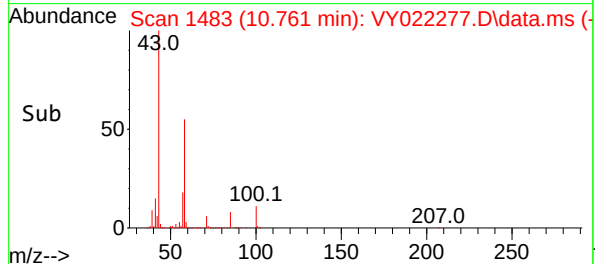
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



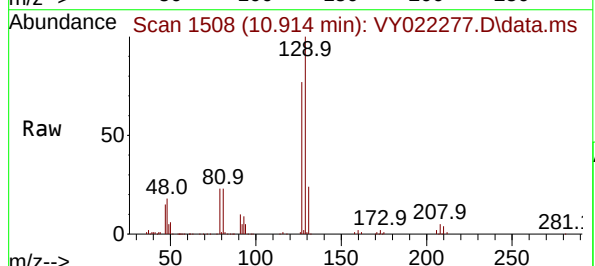
Tgt Ion: 43 Resp: 294360
Ion Ratio Lower Upper
43 100
58 53.3 26.1 78.3

Manual Integrations
APPROVED

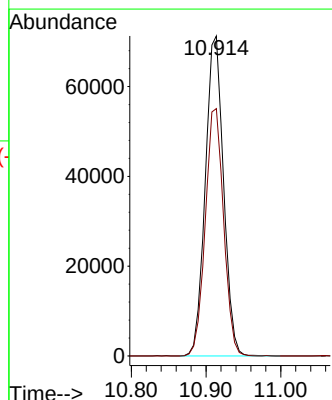
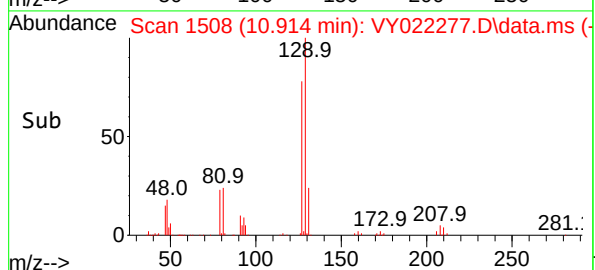
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

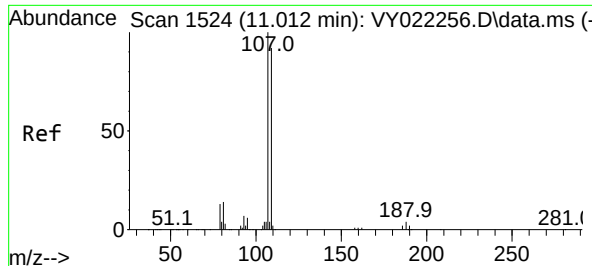


#60
Dibromochloromethane
Concen: 53.672 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



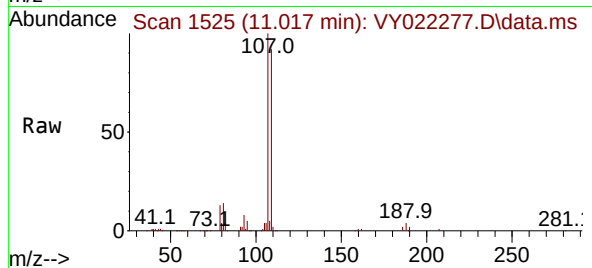
Tgt Ion:129 Resp: 120550
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7





#61
1,2-Dibromoethane
Concen: 52.685 ug/l
RT: 11.017 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

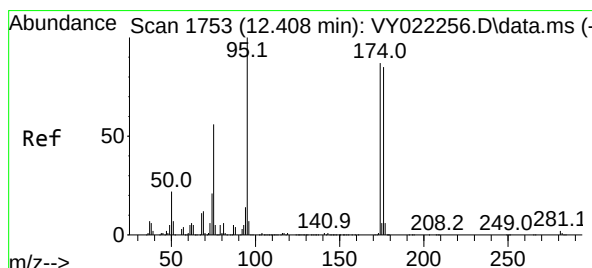
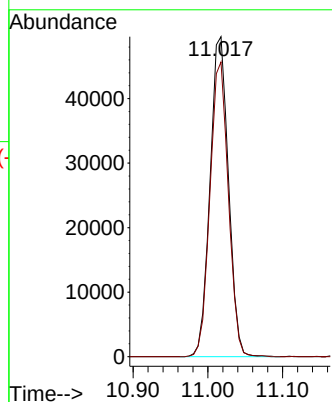
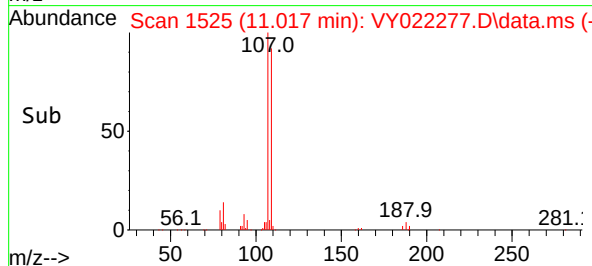
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 84972
Ion Ratio Lower Upper
107 100
109 91.8 74.6 111.8

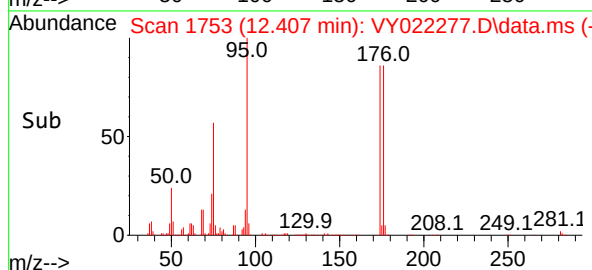
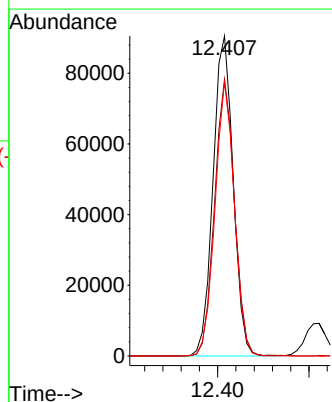
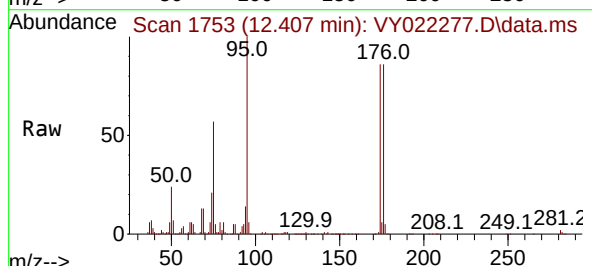
Manual Integrations
APPROVED

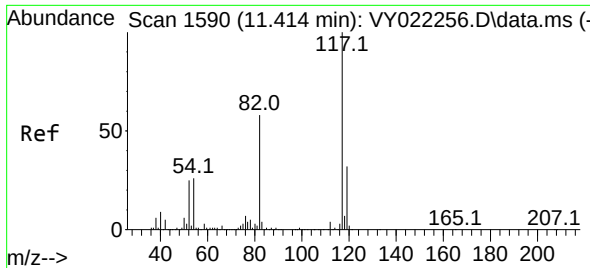
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

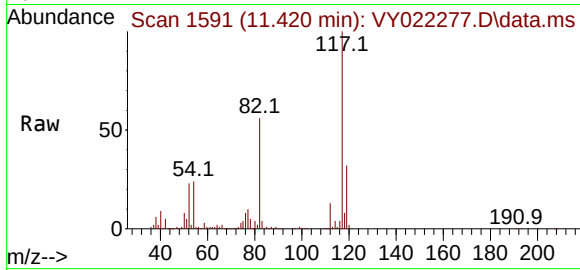
Tgt Ion: 95 Resp: 138475
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 82.6 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

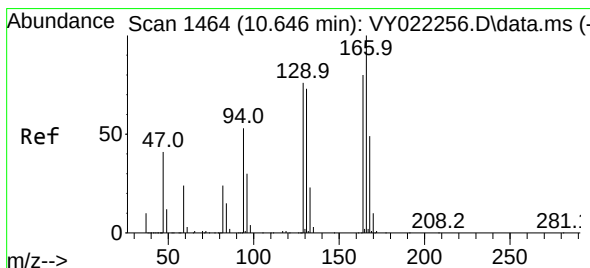
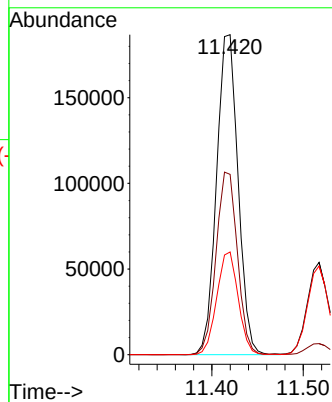
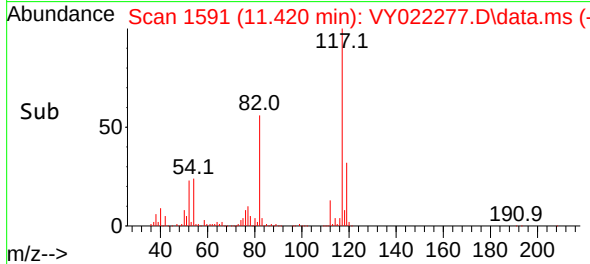
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



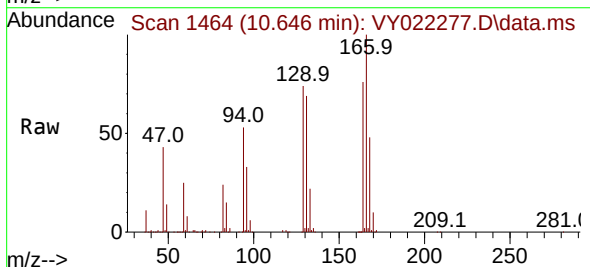
Tgt Ion:117 Resp: 305829
Ion Ratio Lower Upper
117 100
82 56.3 46.6 70.0
119 32.1 25.8 38.6

Manual Integrations
APPROVED

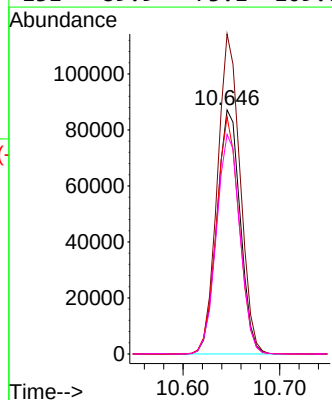
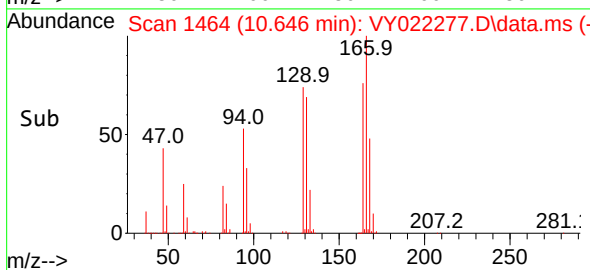
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

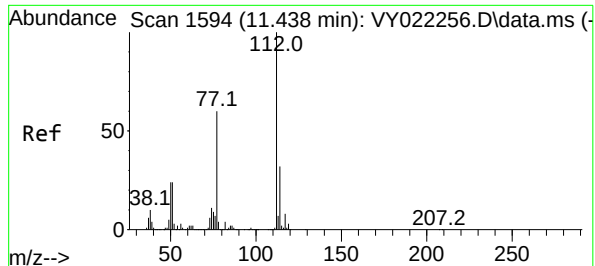


#64
Tetrachloroethene
Concen: 51.645 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



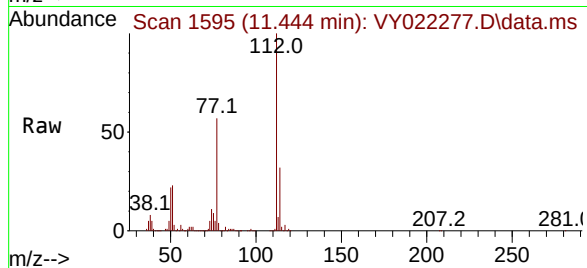
Tgt Ion:164 Resp: 145990
Ion Ratio Lower Upper
164 100
166 131.1 100.4 150.6
129 97.2 76.4 114.6
131 89.9 73.1 109.7





#65
Chlorobenzene
Concen: 53.191 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

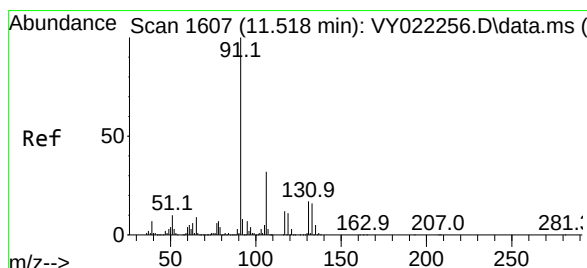
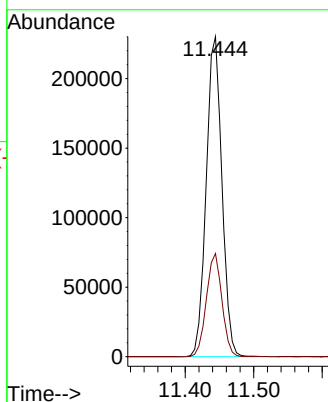
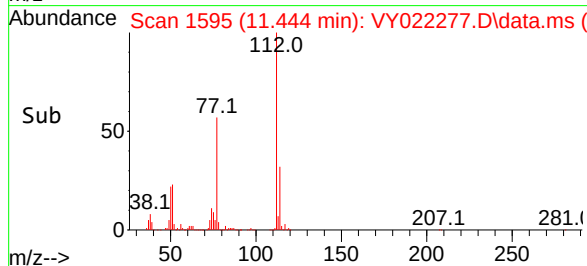
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



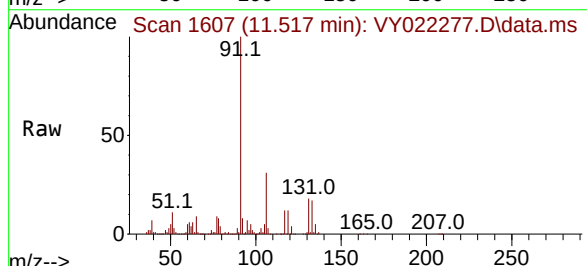
Tgt Ion:112 Resp: 36700
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

Manual Integrations
APPROVED

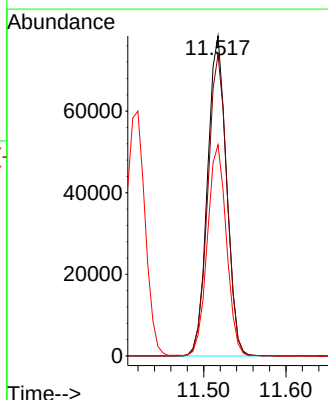
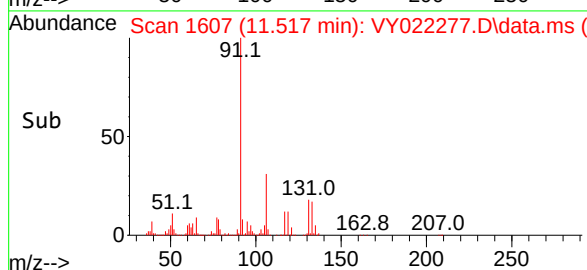
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

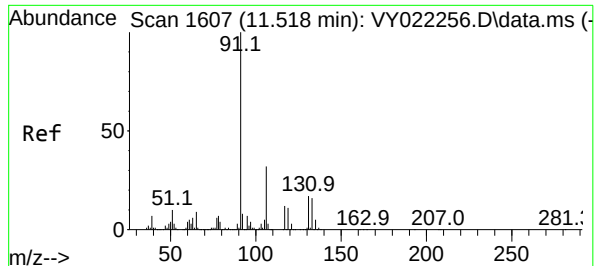


#66
1,1,1,2-Tetrachloroethane
Concen: 52.937 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



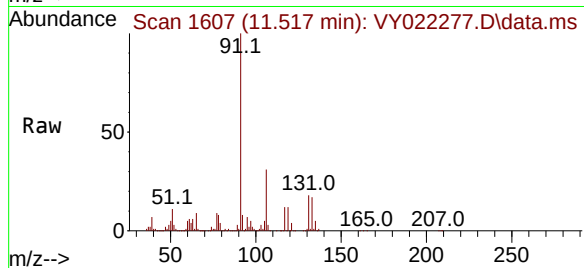
Tgt Ion:131 Resp: 125569
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.5 33.1 99.2





#67
Ethyl Benzene
Concen: 52.887 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

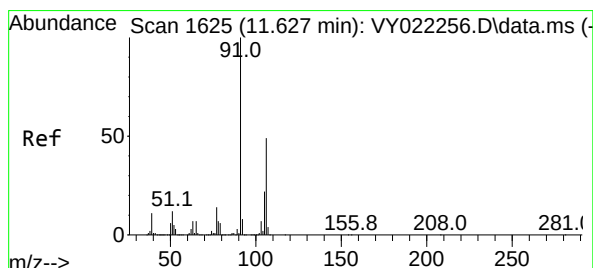
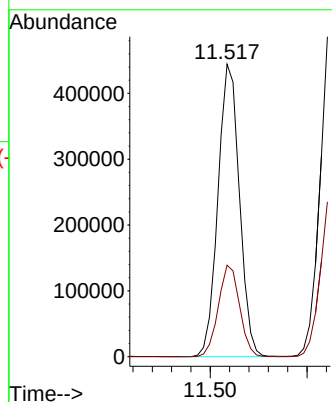
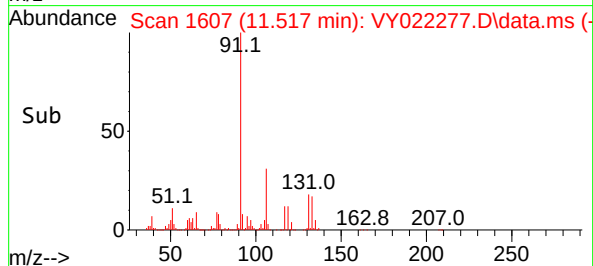
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



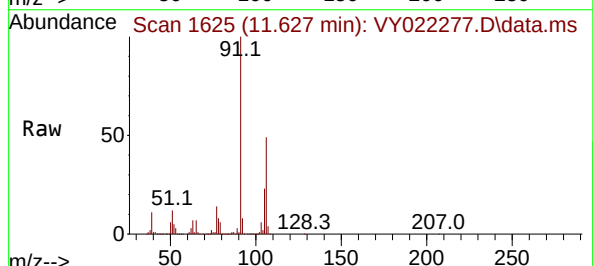
Tgt Ion: 91 Resp: 68340
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

Manual Integrations
APPROVED

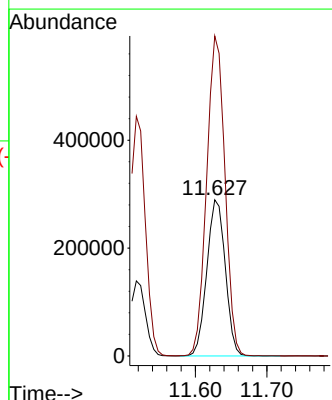
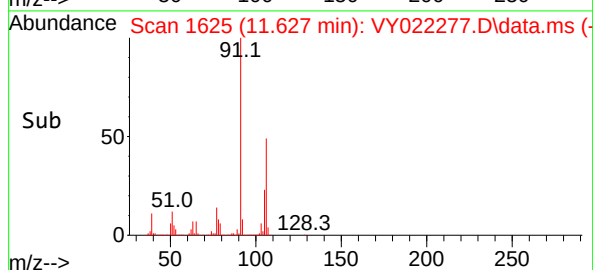
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

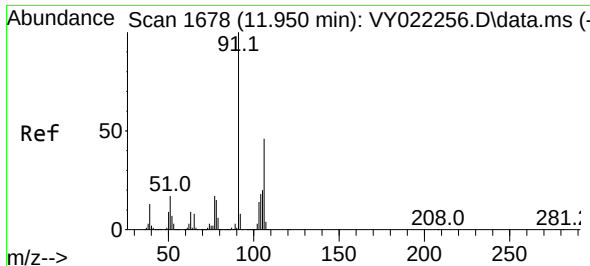


#68
m/p-Xylenes
Concen: 106.465 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



Tgt Ion:106 Resp: 518397
Ion Ratio Lower Upper
106 100
91 203.4 163.0 244.4





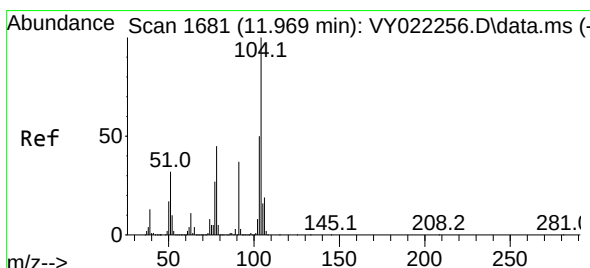
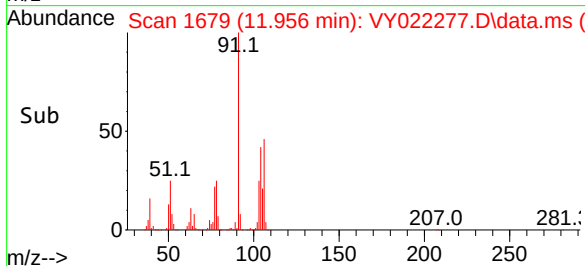
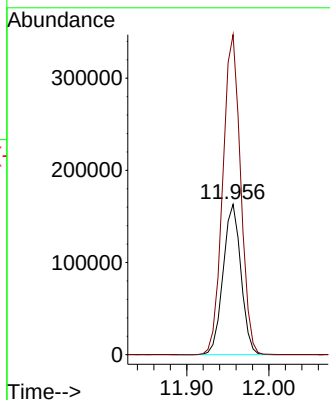
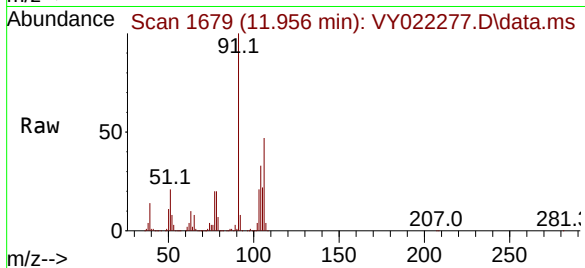
#69
o-Xylene
Concen: 53.401 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 246010
Ion Ratio Lower Upper
106 100
91 213.4 108.3 324.8

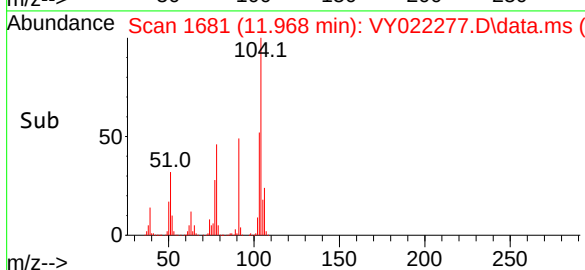
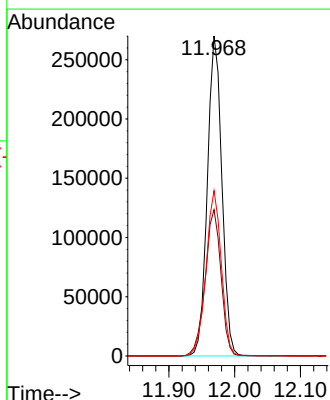
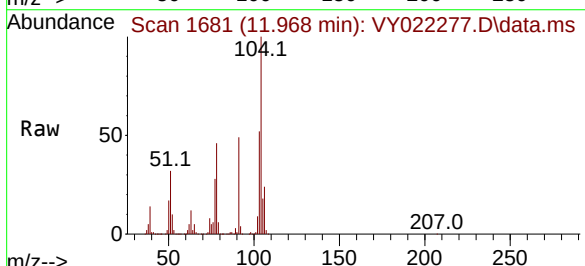
Manual Integrations
APPROVED

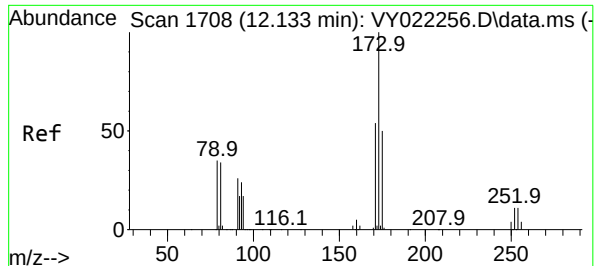
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#70
Styrene
Concen: 53.337 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

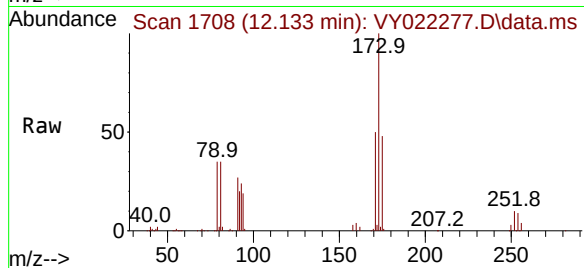
Tgt Ion:104 Resp: 414482
Ion Ratio Lower Upper
104 100
78 49.9 40.9 61.3
103 54.7 43.7 65.5





#71
Bromoform
Concen: 51.173 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

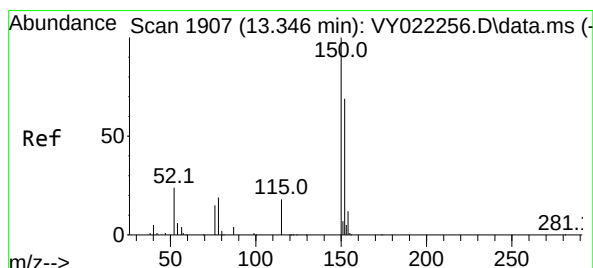
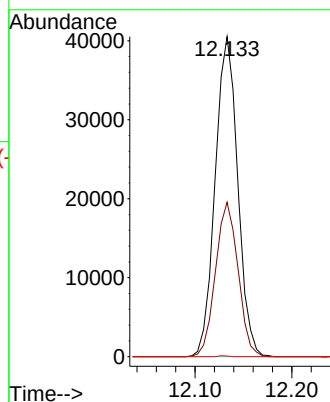
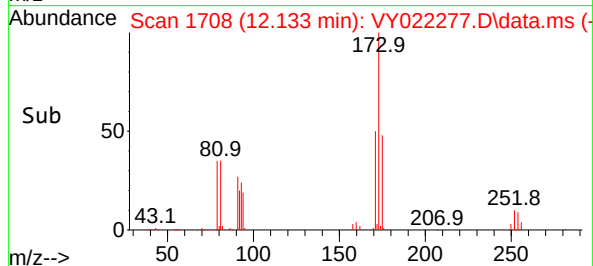
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



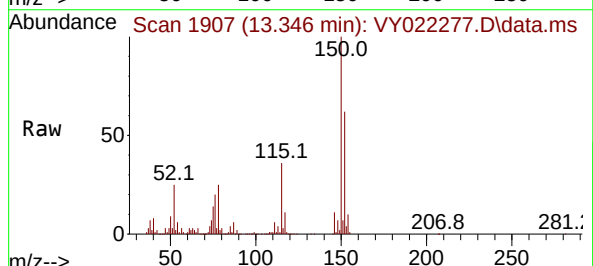
Tgt Ion:173 Resp: 65518
Ion Ratio Lower Upper
173 100
175 48.2 24.7 74.1
254 0.1 0.0 0.0

Manual Integrations
APPROVED

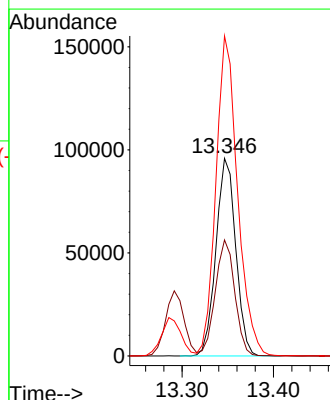
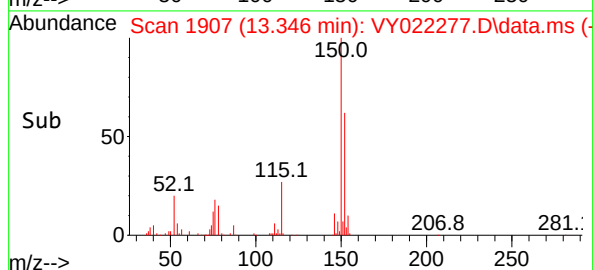
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

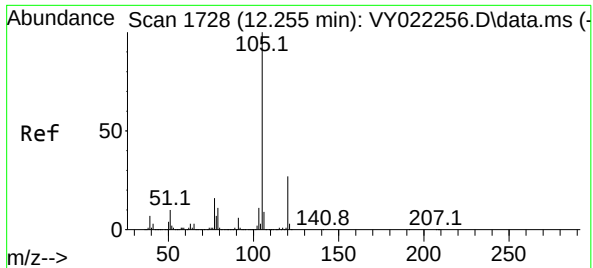


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



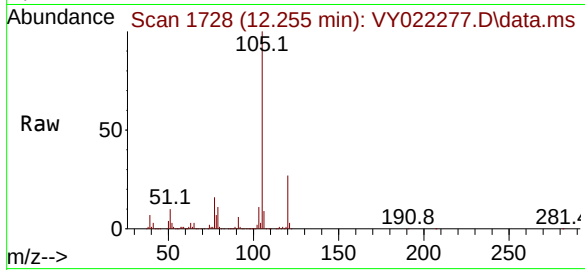
Tgt Ion:152 Resp: 144477
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.2
150 177.2 0.0 353.8





#73
Isopropylbenzene
Concen: 53.338 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

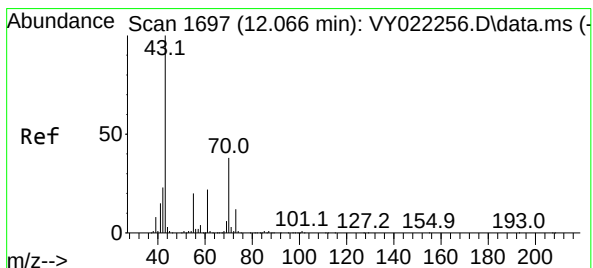
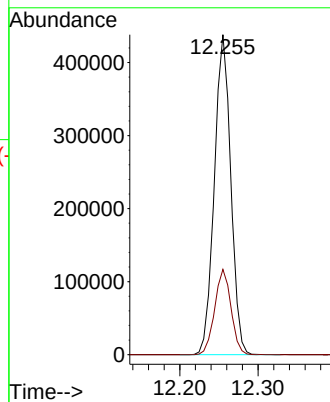
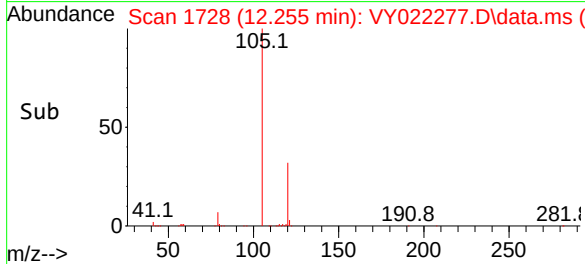
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



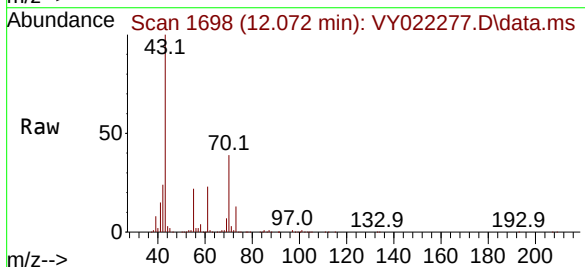
Tgt Ion:105 Resp: 638419
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

Manual Integrations
APPROVED

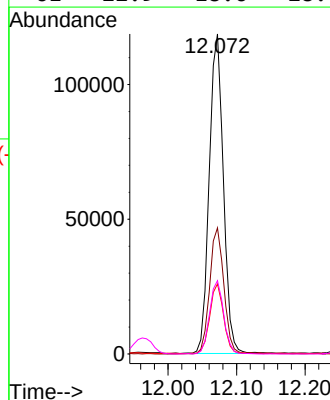
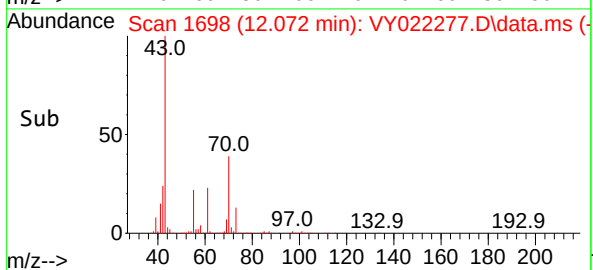
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

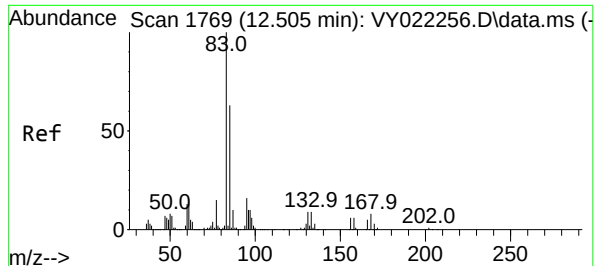


#74
N-ethyl acetate
Concen: 49.797 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



Tgt Ion: 43 Resp: 170468
Ion Ratio Lower Upper
43 100
70 40.0 31.4 47.0
55 21.3 17.0 25.6
61 22.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.057 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

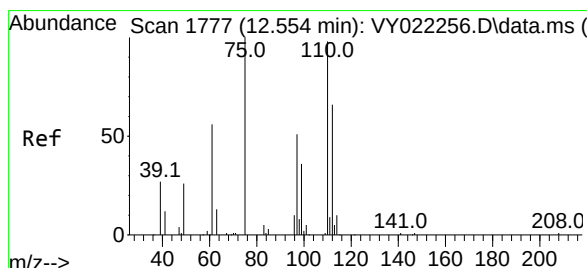
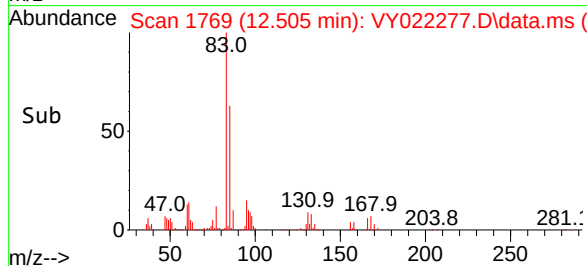
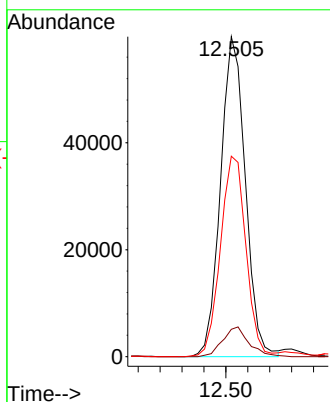
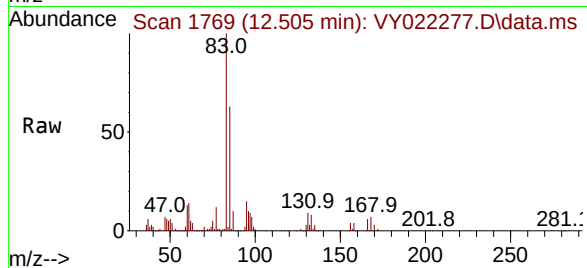
VSTDCCC050

Tgt Ion:	83	Resp:	93984
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#76

1,2,3-Trichloropropane

Concen: 53.312 ug/l m

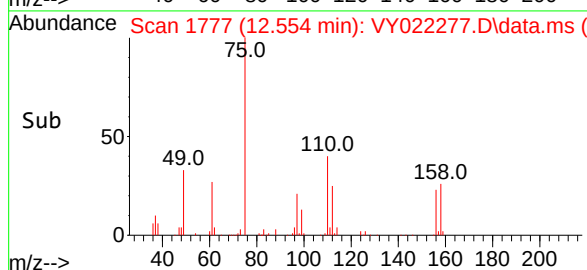
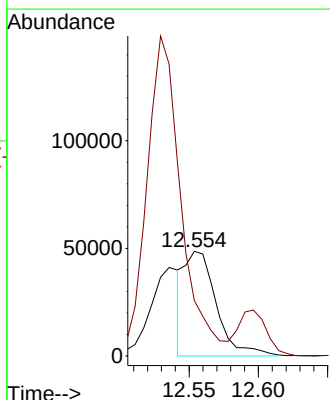
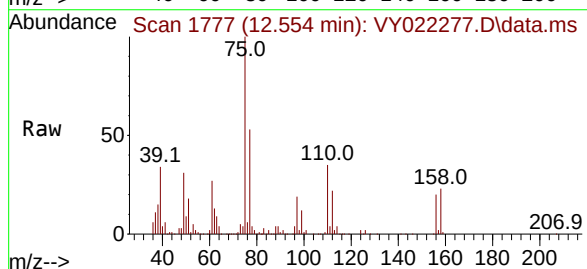
RT: 12.554 min Scan# 1777

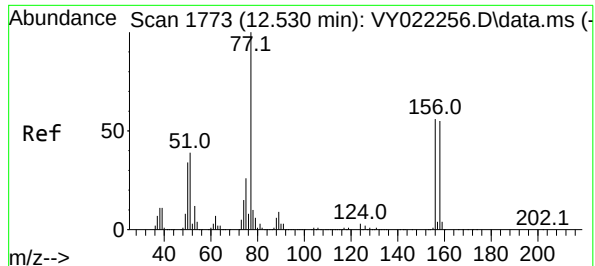
Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Tgt Ion:	75	Resp:	78033
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.632 ug/l

RT: 12.535 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

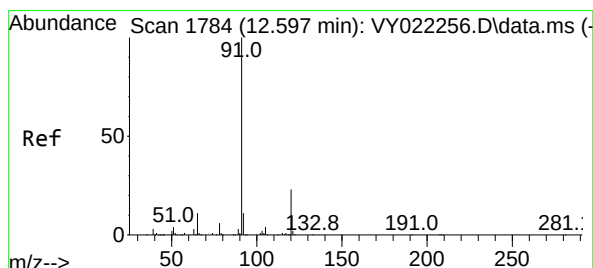
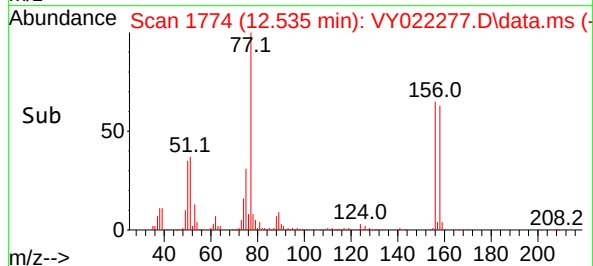
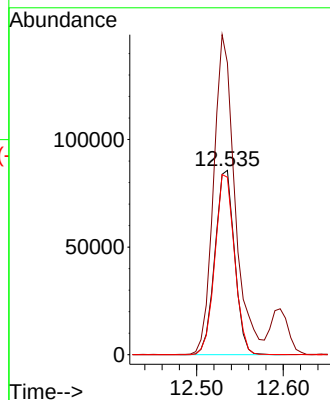
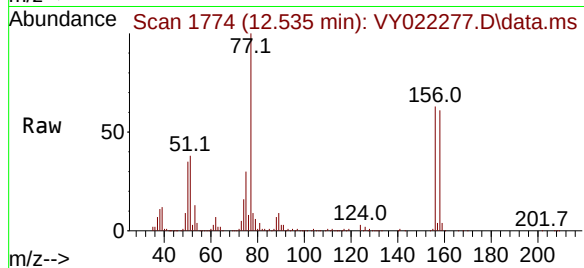
VSTDCCC050

Tgt Ion:	156	Resp:	13454
Ion Ratio	Lower	Upper	
156	100		
77	189.6	94.5	283.6
158	97.9	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#78

n-propylbenzene

Concen: 53.604 ug/l

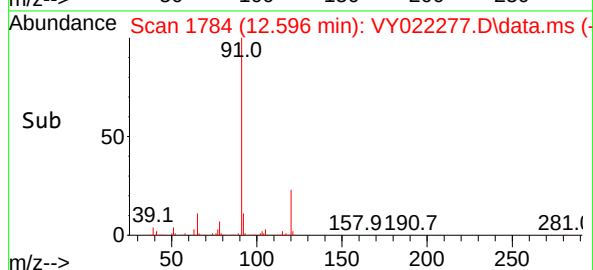
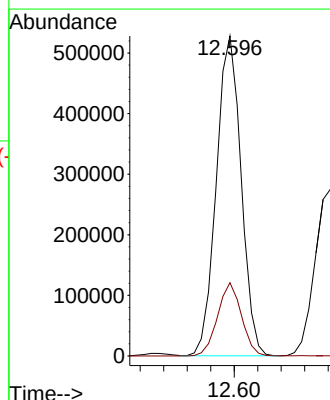
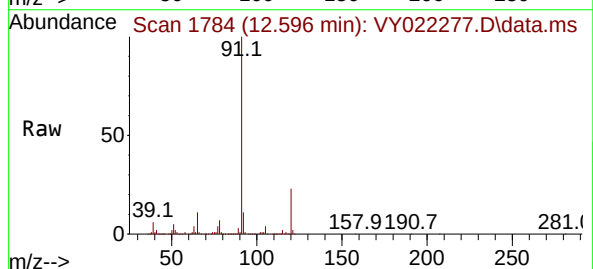
RT: 12.596 min Scan# 1784

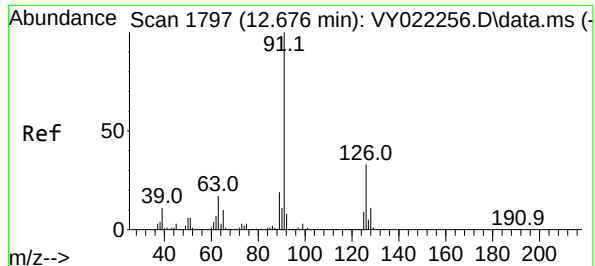
Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Tgt Ion:	91	Resp:	773886
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 53.269 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 422629

Ion Ratio Lower Upper

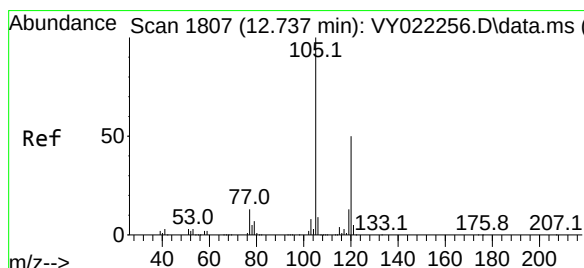
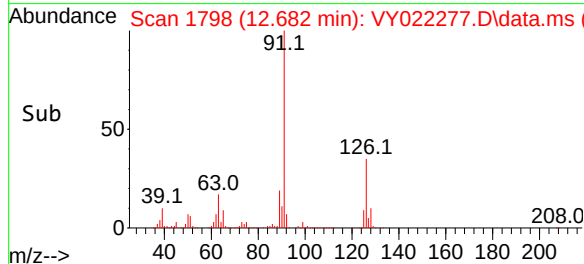
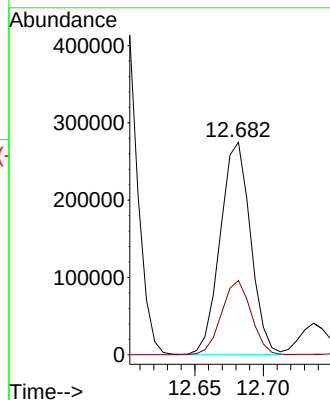
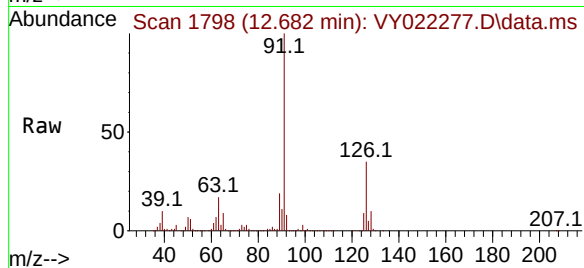
91 100

126 34.1 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.075 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022277.D

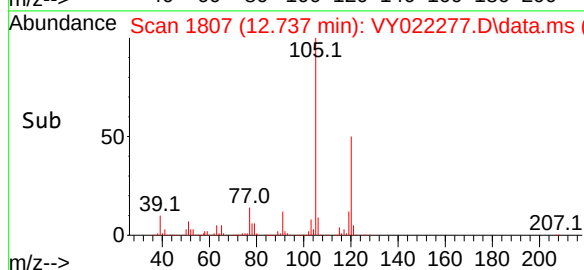
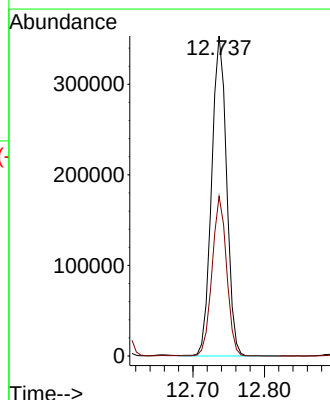
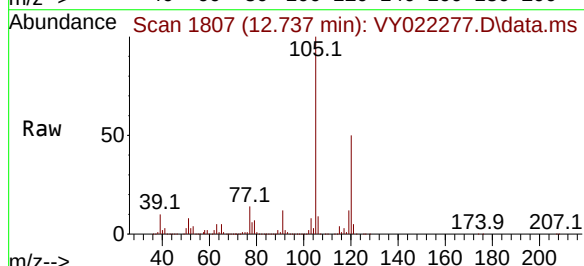
Acq: 16 May 2025 08:24

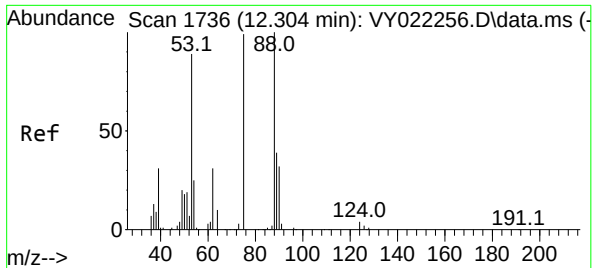
Tgt Ion:105 Resp: 512810

Ion Ratio Lower Upper

105 100

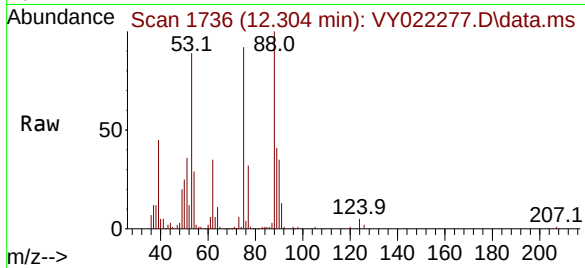
120 48.5 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.601 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

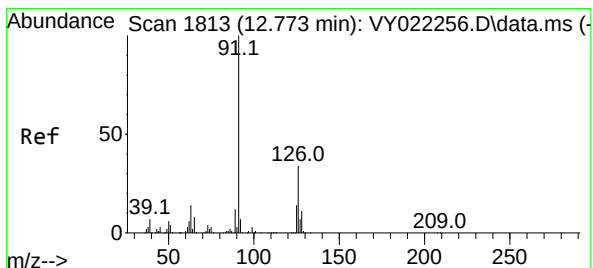
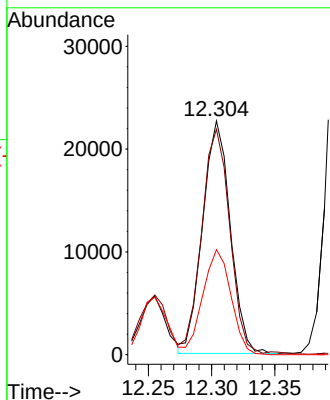
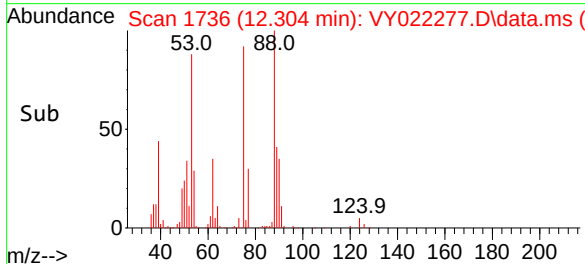
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 34394
Ion Ratio Lower Upper
75 100
53 99.2 75.8 113.8
89 45.4 36.2 54.2

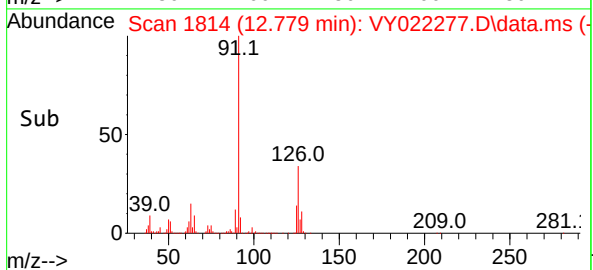
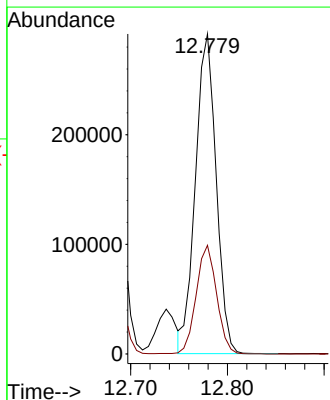
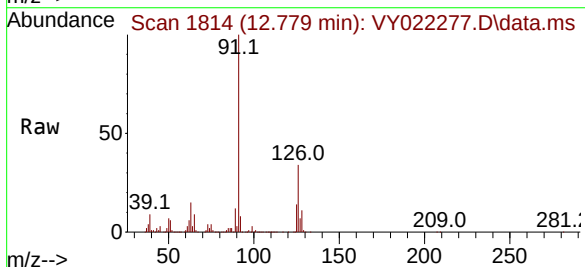
Manual Integrations
APPROVED

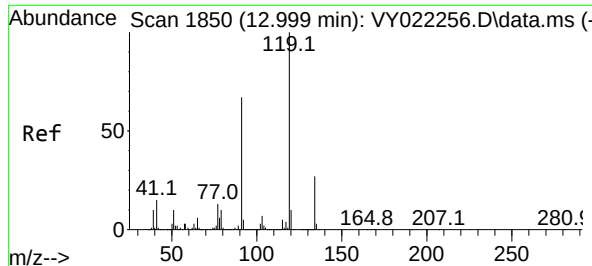
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#82
4-Chlorotoluene
Concen: 53.249 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 434539
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.4





#83

tert-Butylbenzene

Concen: 52.865 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022277.D

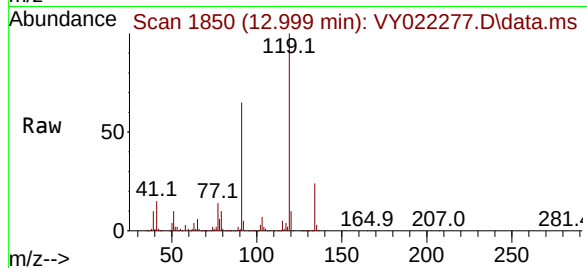
Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:119 Resp: 45399

Ion Ratio Lower Upper

119 100

91 64.9 32.8 98.3

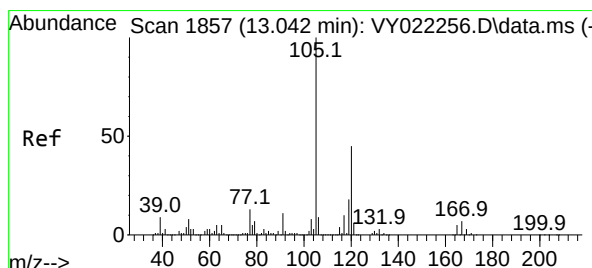
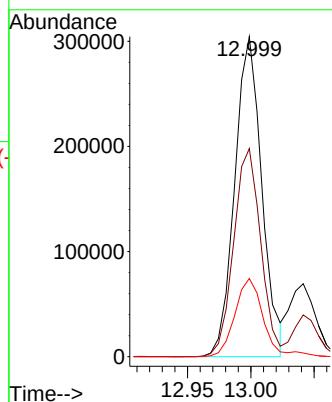
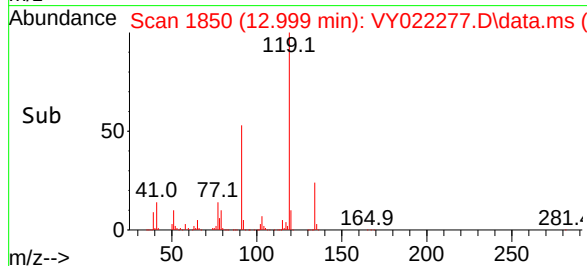
134 25.7 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#84

1,2,4-Trimethylbenzene

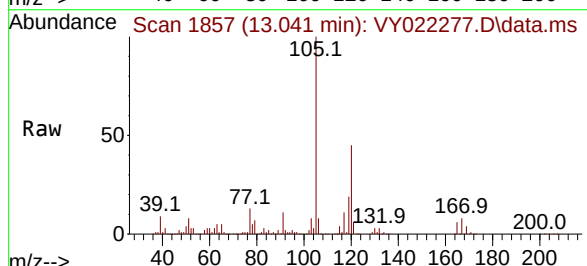
Concen: 53.733 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

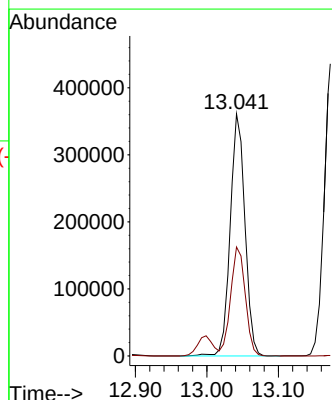
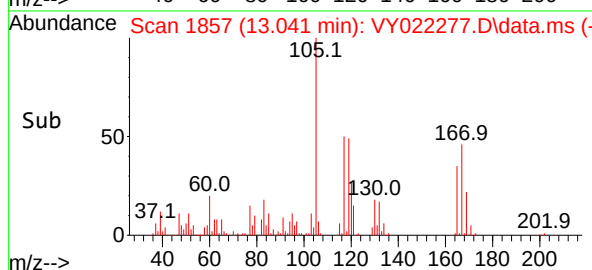


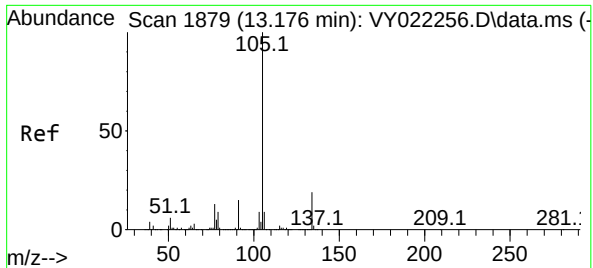
Tgt Ion:105 Resp: 515364

Ion Ratio Lower Upper

105 100

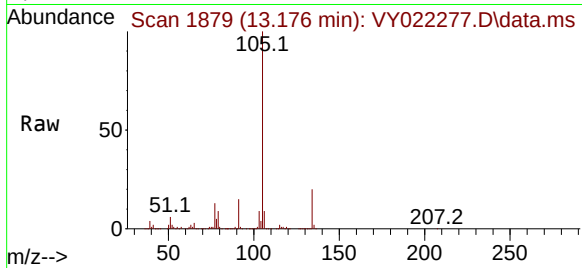
120 44.7 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 53.545 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022277.D
 Acq: 16 May 2025 08:24

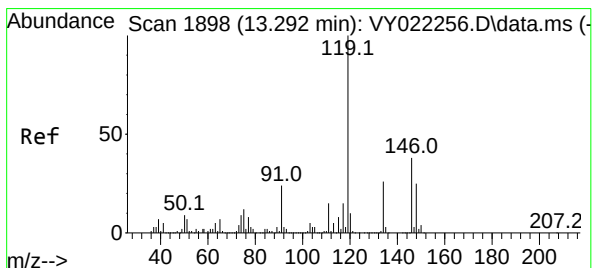
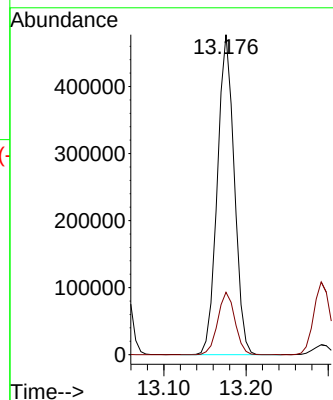
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 68258
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5

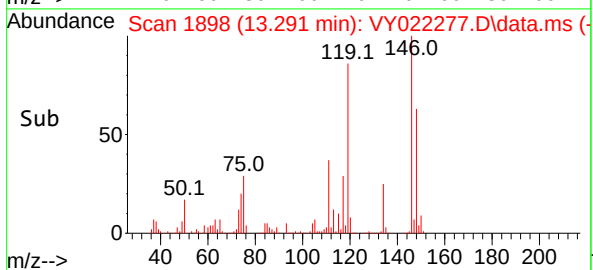
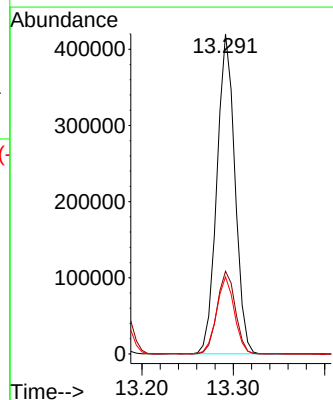
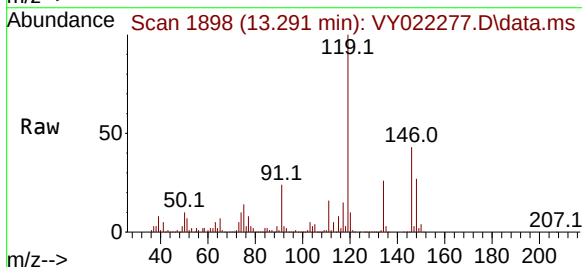
Manual Integrations
 APPROVED

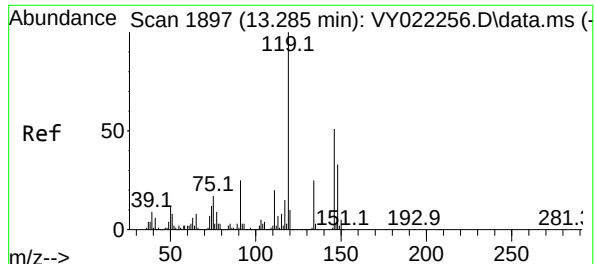
Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#86
 p-Isopropyltoluene
 Concen: 53.506 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022277.D
 Acq: 16 May 2025 08:24

Tgt Ion:119 Resp: 573661
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.6
 91 23.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.186 ug/l

RT: 13.291 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 277562

Ion Ratio Lower Upper

146 100

111 39.0 19.9 59.7

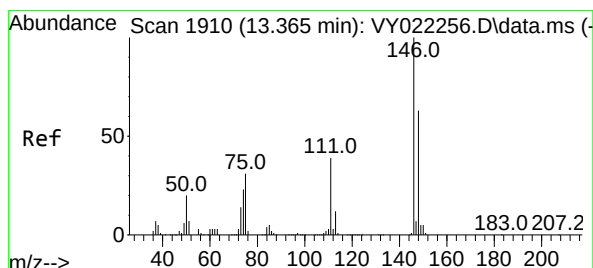
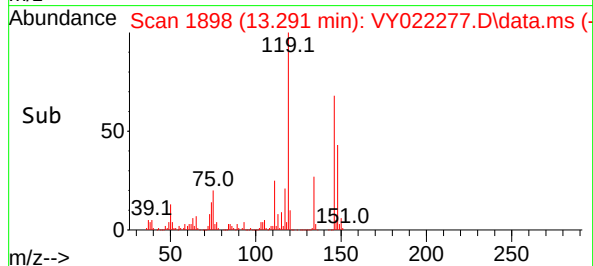
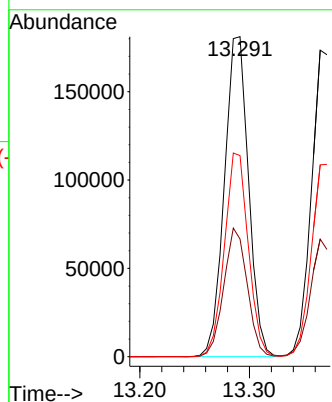
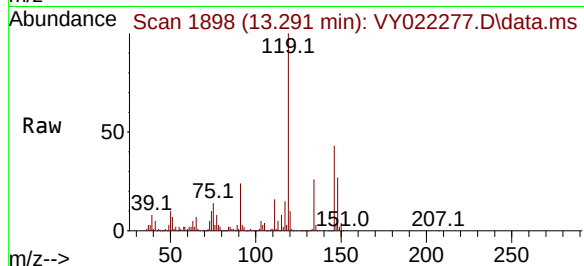
148 63.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 52.554 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

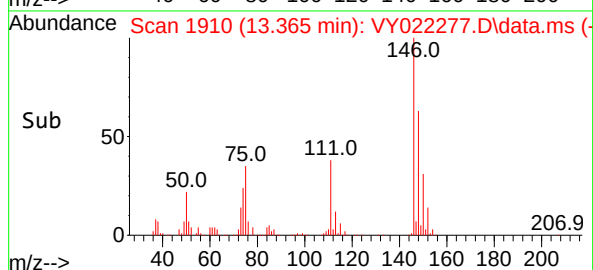
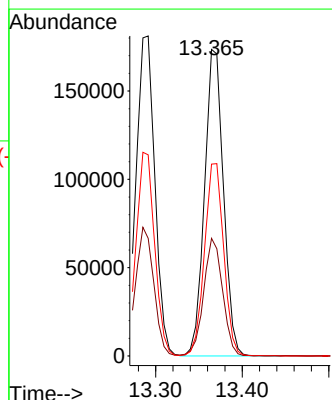
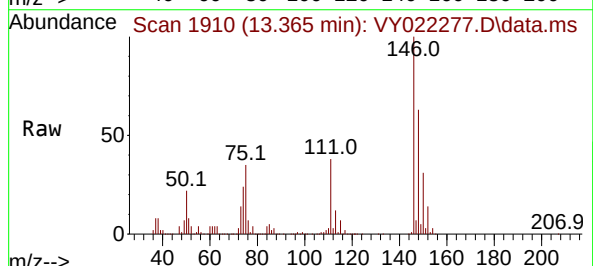
Tgt Ion:146 Resp: 263812

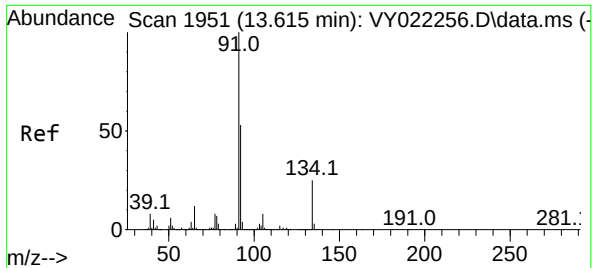
Ion Ratio Lower Upper

146 100

111 38.4 20.0 59.9

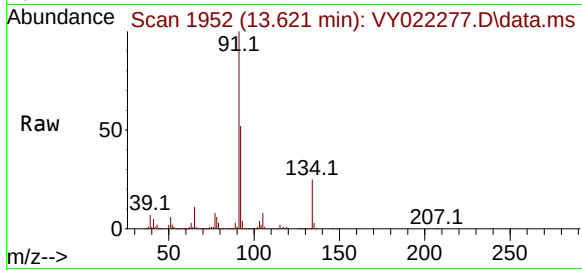
148 63.6 32.1 96.5





#89
n-Butylbenzene
Concen: 54.360 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

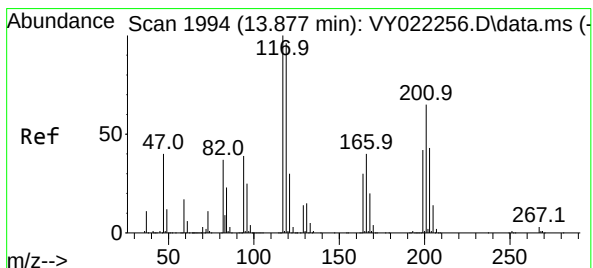
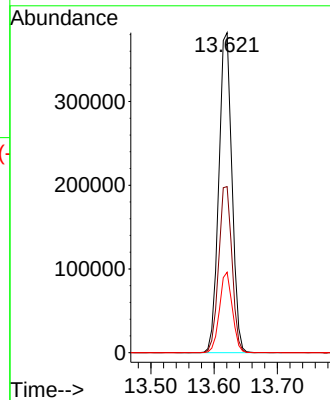
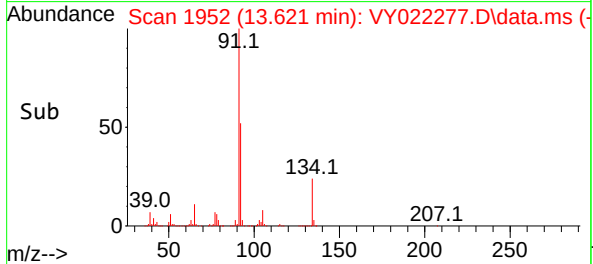
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 551378
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 24.6 12.4 37.4

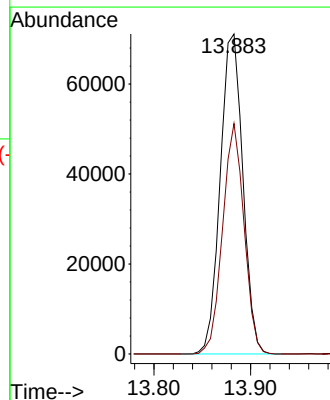
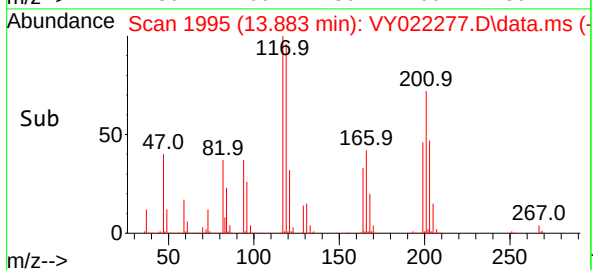
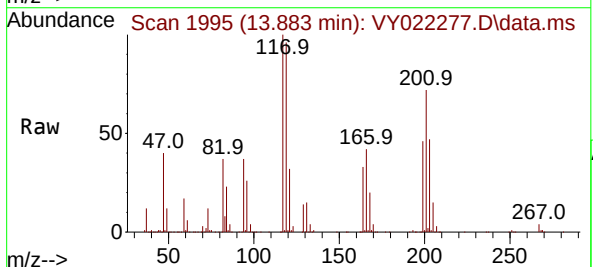
Manual Integrations
APPROVED

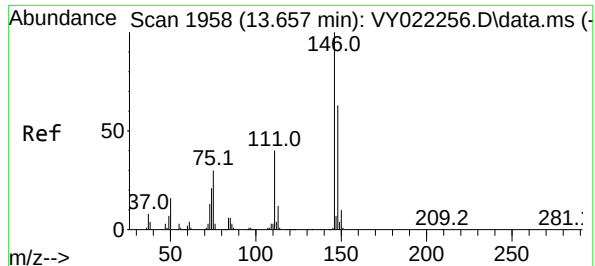
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#90
Hexachloroethane
Concen: 53.238 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

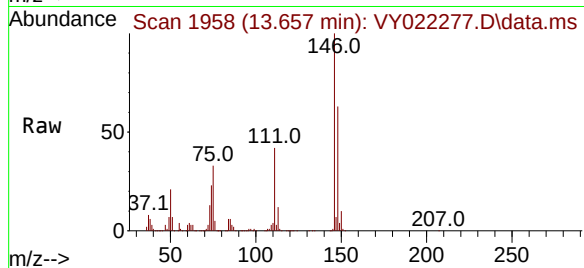
Tgt Ion:117 Resp: 115221
Ion Ratio Lower Upper
117 100
201 68.2 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 52.616 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

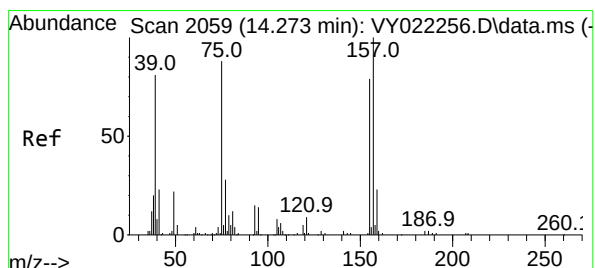
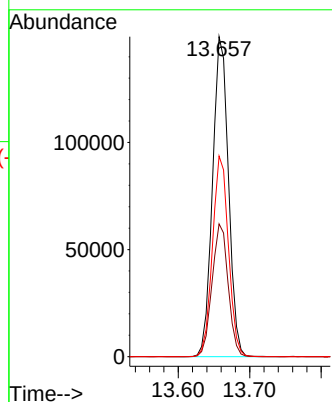
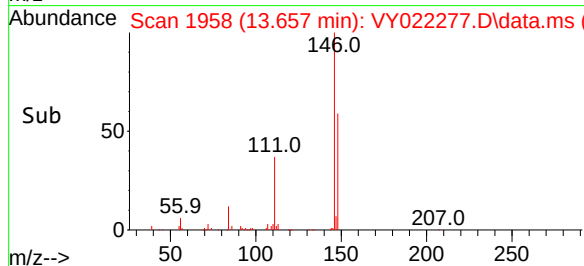
Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050



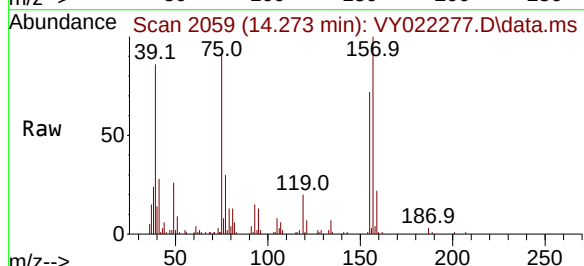
Tgt Ion:146 Resp: 230640
Ion Ratio Lower Upper
146 100
111 42.0 20.5 61.5
148 63.0 32.0 96.0

Manual Integrations
APPROVED

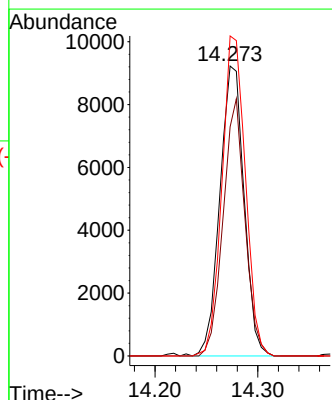
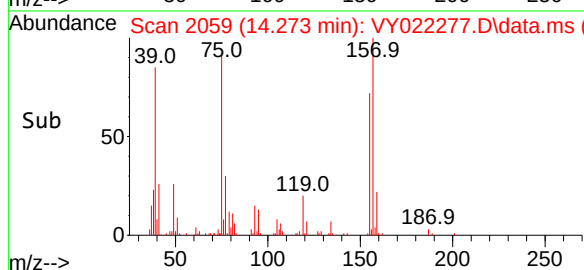
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

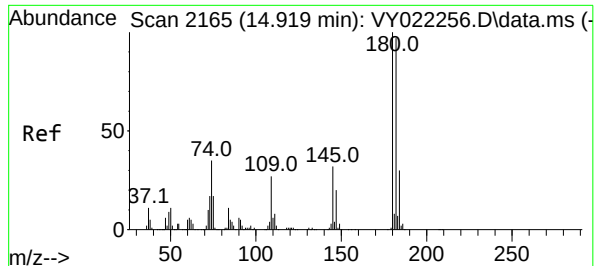


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.767 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24



Tgt Ion: 75 Resp: 15069
Ion Ratio Lower Upper
75 100
155 80.0 43.4 130.1
157 106.9 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 52.983 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022277.D

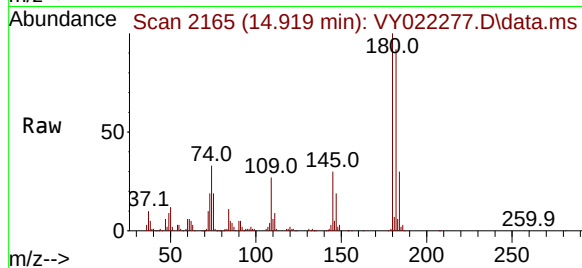
Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

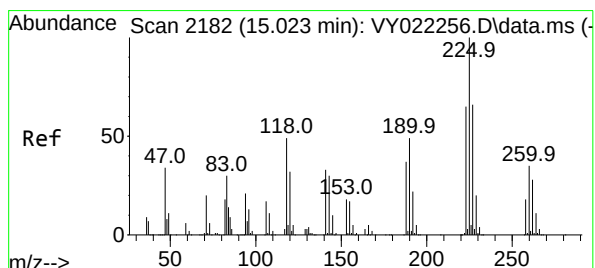
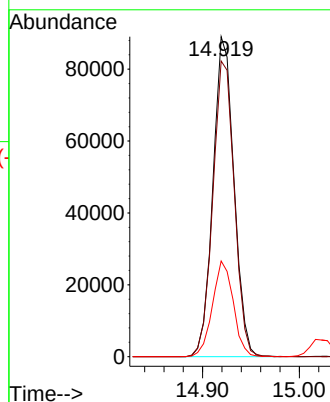
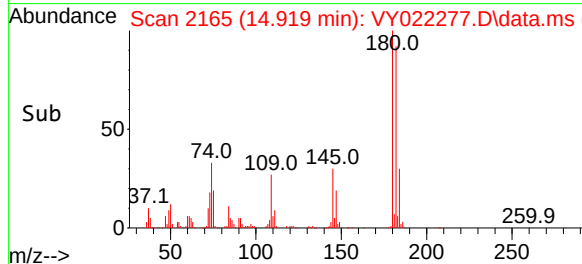


Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.0
145	29.7	15.0	45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#94

Hexachlorobutadiene

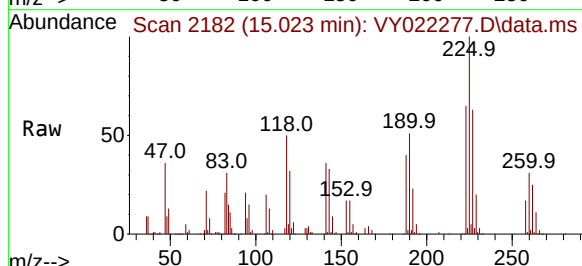
Concen: 52.696 ug/l

RT: 15.023 min Scan# 2182

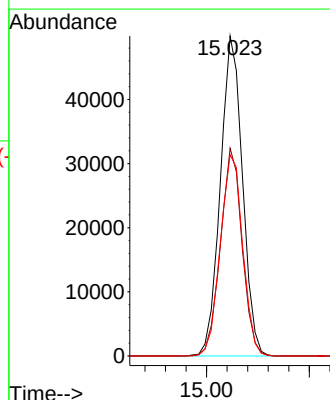
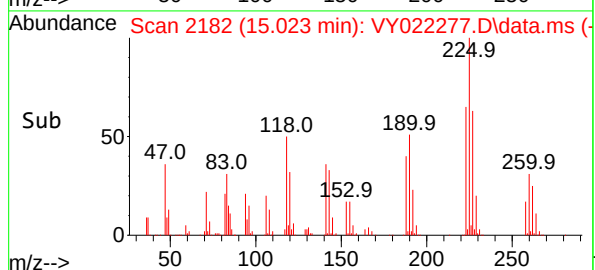
Delta R.T. -0.000 min

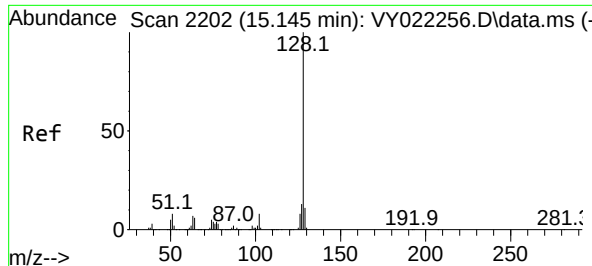
Lab File: VY022277.D

Acq: 16 May 2025 08:24



Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.5	94.5
227	63.7	32.1	96.3





#95

Naphthalene

Concen: 50.663 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 243439

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

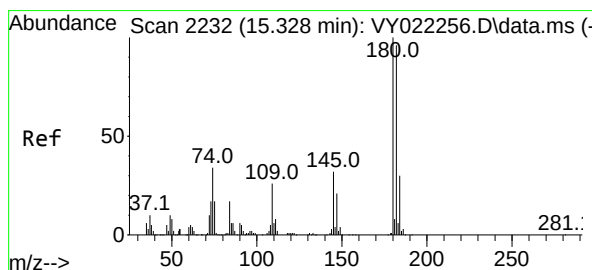
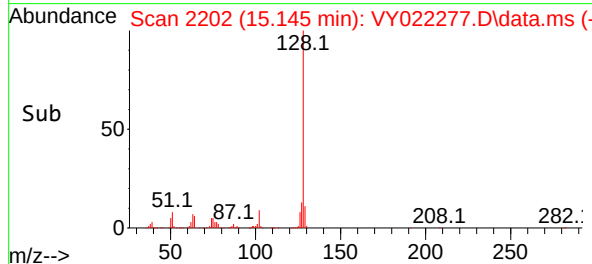
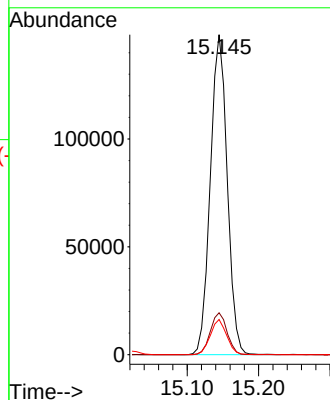
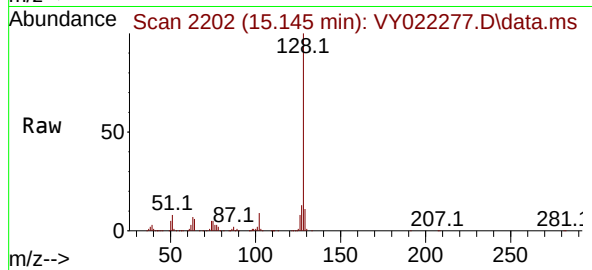
129 10.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.679 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022277.D

Acq: 16 May 2025 08:24

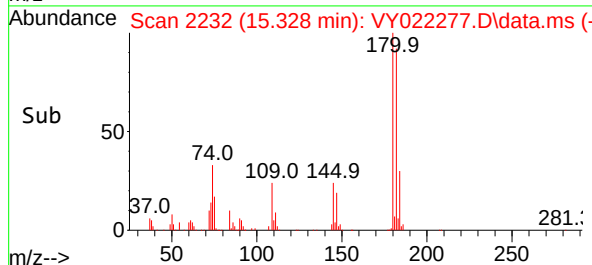
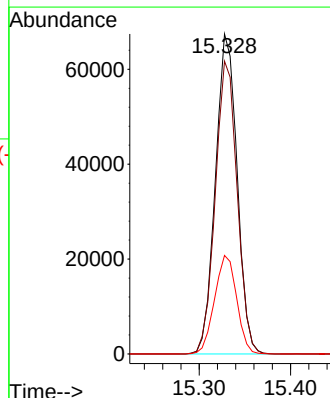
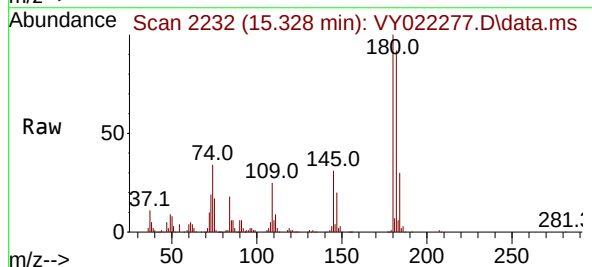
Tgt Ion:180 Resp: 111008

Ion Ratio Lower Upper

180 100

182 92.6 47.1 141.3

145 31.4 15.9 47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 17 01:26:32 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	80	0.00
2 T	Dichlorodifluoromethane	0.522	0.521	0.2	82	0.00
3 P	Chloromethane	1.097	1.067	2.7	81	0.00
4 C	Vinyl Chloride	1.226	1.343	-9.5#	88	0.00
5 T	Bromomethane	0.998	1.071	-7.3	97	0.00
6 T	Chloroethane	0.763	0.887	-16.3	93	0.00
7 T	Trichlorofluoromethane	1.241	1.308	-5.4	86	0.00
8 T	Diethyl Ether	0.298	0.310	-4.0	84	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.539	0.569	-5.6	84	0.00
10 T	Methyl Iodide	0.624	0.700	-12.2	81	0.00
11 T	Tert butyl alcohol	0.042	0.040	4.8	83	0.00
12 CM	1,1-Dichloroethene	0.535	0.570	-6.5#	84	0.00
13 T	Acrolein	0.061	0.050	18.0	71	0.00
14 T	Allyl chloride	0.938	0.962	-2.6	80	0.00
15 T	Acrylonitrile	0.123	0.128	-4.1	85	0.00
16 T	Acetone	0.102	0.103	-1.0	88	0.00
17 T	Carbon Disulfide	1.744	1.850	-6.1	84	0.00
18 T	Methyl Acetate	0.323	0.324	-0.3	86	0.00
19 T	Methyl tert-butyl Ether	1.475	1.543	-4.6	84	0.00
20 T	Methylene Chloride	0.662	0.631	4.7	84	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.626	-6.1	84	0.00
22 T	Diisopropyl ether	1.980	2.052	-3.6	82	0.00
23 T	Vinyl Acetate	1.196	1.202	-0.5	82	0.00
24 P	1,1-Dichloroethane	1.106	1.172	-6.0	84	0.00
25 T	2-Butanone	0.171	0.166	2.9	82	0.00
26 T	2,2-Dichloropropane	0.984	1.070	-8.7	86	0.00
27 T	cis-1,2-Dichloroethene	0.681	0.737	-8.2	85	0.00
28 T	Bromochloromethane	0.472	0.487	-3.2	82	0.00
29 T	Tetrahydrofuran	0.110	0.109	0.9	81	0.00
30 C	Chloroform	1.061	1.161	-9.4#	86	0.00
31 T	Cyclohexane	1.105	1.093	1.1	82	0.00
32 T	1,1,1-Trichloroethane	0.974	1.038	-6.6	85	0.00
33 S	1,2-Dichloroethane-d4	0.546	0.552	-1.1	81	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35 S	Dibromofluoromethane	0.298	0.308	-3.4	83	0.00
36 T	1,1-Dichloropropene	0.492	0.515	-4.7	83	0.00
37 T	Ethyl Acetate	0.237	0.230	3.0	80	0.00
38 T	Carbon Tetrachloride	0.509	0.537	-5.5	84	0.00
39 T	Methylcyclohexane	0.660	0.680	-3.0	82	0.00
40 TM	Benzene	1.457	1.567	-7.5	85	0.00
41 T	Methacrylonitrile	0.157	0.140	10.8	72	0.00
42 TM	1,2-Dichloroethane	0.394	0.417	-5.8	84	0.00
43 T	Isopropyl Acetate	0.516	0.512	0.8	81	0.00
44 TM	Trichloroethene	0.362	0.381	-5.2	83	0.00
45 C	1,2-Dichloropropane	0.351	0.371	-5.7#	84	0.00
46 T	Dibromomethane	0.189	0.197	-4.2	84	0.00
47 T	Bromodichloromethane	0.492	0.533	-8.3	85	0.00
48 T	Methyl methacrylate	0.241	0.239	0.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 17 01:26:32 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	85	0.00
50 S	Toluene-d8	1.222	1.265	-3.5	83	0.00
51 T	4-Methyl-2-Pentanone	0.253	0.250	1.2	80	0.00
52 CM	Toluene	0.923	0.982	-6.4#	84	0.00
53 T	t-1,3-Dichloropropene	0.480	0.500	-4.2	83	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.587	-6.7	85	0.00
55 T	1,1,2-Trichloroethane	0.243	0.254	-4.5	85	0.00
56 T	Ethyl methacrylate	0.378	0.383	-1.3	82	0.00
57 T	1,3-Dichloropropane	0.431	0.453	-5.1	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.170	0.179	-5.3	79	0.00
59 T	2-Hexanone	0.170	0.165	2.9	81	0.00
60 T	Dibromochloromethane	0.315	0.338	-7.3	85	0.00
61 T	1,2-Dibromoethane	0.226	0.238	-5.3	85	0.00
62 S	4-Bromofluorobenzene	0.387	0.388	-0.3	82	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64 T	Tetrachloroethene	0.462	0.477	-3.2	82	0.00
65 PM	Chlorobenzene	1.128	1.200	-6.4	84	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.411	-5.9	84	0.00
67 C	Ethyl Benzene	2.113	2.235	-5.8#	83	0.00
68 T	m/p-Xylenes	0.796	0.848	-6.5	84	0.00
69 T	o-Xylene	0.753	0.804	-6.8	85	0.00
70 T	Styrene	1.270	1.355	-6.7	84	0.00
71 P	Bromoform	0.209	0.214	-2.4	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73 T	Isopropylbenzene	4.142	4.419	-6.7	84	0.00
74 T	N-amyl acetate	1.185	1.180	0.4	82	0.00
75 P	1,1,2,2-Tetrachloroethane	0.637	0.651	-2.2	83	0.00
76 T	1,2,3-Trichloropropane	0.507	0.540	-6.5	86	0.00
77 T	Bromobenzene	0.885	0.931	-5.2	83	0.00
78 T	n-propylbenzene	4.996	5.356	-7.2	84	0.00
79 T	2-Chlorotoluene	2.746	2.925	-6.5	84	0.00
80 T	1,3,5-Trimethylbenzene	3.344	3.549	-6.1	83	0.00
81 T	trans-1,4-Dichloro-2-butene	0.250	0.238	4.8	81	0.00
82 T	4-Chlorotoluene	2.824	3.008	-6.5	83	0.00
83 T	tert-Butylbenzene	2.972	3.142	-5.7	83	0.00
84 T	1,2,4-Trimethylbenzene	3.319	3.567	-7.5	84	0.00
85 T	sec-Butylbenzene	4.412	4.725	-7.1	83	0.00
86 T	p-Isopropyltoluene	3.710	3.971	-7.0	83	0.00
87 T	1,3-Dichlorobenzene	1.806	1.921	-6.4	84	0.00
88 T	1,4-Dichlorobenzene	1.737	1.826	-5.1	84	0.00
89 T	n-Butylbenzene	3.510	3.816	-8.7	83	0.00
90 T	Hexachloroethane	0.749	0.798	-6.5	84	0.00
91 T	1,2-Dichlorobenzene	1.517	1.596	-5.2	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.104	-1.0	84	0.00
93 T	1,2,4-Trichlorobenzene	0.876	0.929	-6.1	83	0.00
94 T	Hexachlorobutadiene	0.489	0.515	-5.3	82	0.00
95 T	Naphthalene	1.663	1.685	-1.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
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 17 01:26:32 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	0.768	-3.4	82	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 17 01:26:32 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	80	0.00
2 T	Dichlorodifluoromethane	50.000	49.923	0.2	82	0.00
3 P	Chloromethane	50.000	48.598	2.8	81	0.00
4 C	Vinyl Chloride	50.000	54.773	-9.5#	88	0.00
5 T	Bromomethane	50.000	53.635	-7.3	97	0.00
6 T	Chloroethane	50.000	58.123	-16.2	93	0.00
7 T	Trichlorofluoromethane	50.000	52.672	-5.3	86	0.00
8 T	Diethyl Ether	50.000	51.977	-4.0	84	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.824	-5.6	84	0.00
10 T	Methyl Iodide	50.000	56.117	-12.2	81	0.00
11 T	Tert butyl alcohol	250.000	241.730	3.3	83	0.00
12 CM	1,1-Dichloroethene	50.000	53.251	-6.5#	84	0.00
13 T	Acrolein	250.000	204.899	18.0	71	0.00
14 T	Allyl chloride	50.000	51.302	-2.6	80	0.00
15 T	Acrylonitrile	250.000	259.711	-3.9	85	0.00
16 T	Acetone	250.000	250.886	-0.4	88	0.00
17 T	Carbon Disulfide	50.000	53.042	-6.1	84	0.00
18 T	Methyl Acetate	50.000	50.215	-0.4	86	0.00
19 T	Methyl tert-butyl Ether	50.000	52.321	-4.6	84	0.00
20 T	Methylene Chloride	50.000	47.645	4.7	84	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.998	-6.0	84	0.00
22 T	Diisopropyl ether	50.000	51.810	-3.6	82	0.00
23 T	Vinyl Acetate	250.000	251.128	-0.5	82	0.00
24 P	1,1-Dichloroethane	50.000	52.970	-5.9	84	0.00
25 T	2-Butanone	250.000	242.624	3.0	82	0.00
26 T	2,2-Dichloropropane	50.000	54.384	-8.8	86	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.093	-8.2	85	0.00
28 T	Bromochloromethane	50.000	51.625	-3.3	82	0.00
29 T	Tetrahydrofuran	250.000	246.422	1.4	81	0.00
30 C	Chloroform	50.000	54.713	-9.4#	86	0.00
31 T	Cyclohexane	50.000	49.457	1.1	82	0.00
32 T	1,1,1-Trichloroethane	50.000	53.304	-6.6	85	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.505	-1.0	81	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35 S	Dibromofluoromethane	50.000	51.525	-3.0	83	0.00
36 T	1,1-Dichloropropene	50.000	52.341	-4.7	83	0.00
37 T	Ethyl Acetate	50.000	48.715	2.6	80	0.00
38 T	Carbon Tetrachloride	50.000	52.737	-5.5	84	0.00
39 T	Methylcyclohexane	50.000	51.496	-3.0	82	0.00
40 TM	Benzene	50.000	53.771	-7.5	85	0.00
41 T	Methacrylonitrile	50.000	44.718	10.6	72	0.00
42 TM	1,2-Dichloroethane	50.000	52.870	-5.7	84	0.00
43 T	Isopropyl Acetate	50.000	49.654	0.7	81	0.00
44 TM	Trichloroethene	50.000	52.539	-5.1	83	0.00
45 C	1,2-Dichloropropane	50.000	52.735	-5.5#	84	0.00
46 T	Dibromomethane	50.000	51.869	-3.7	84	0.00
47 T	Bromodichloromethane	50.000	54.169	-8.3	85	0.00
48 T	Methyl methacrylate	50.000	49.534	0.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022277.D
 Acq On : 16 May 2025 08:24
 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 17 01:26:32 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	1001.752	-0.2	85	0.00
50 S	Toluene-d8	50.000	51.731	-3.5	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	247.383	1.0	80	0.00
52 CM	Toluene	50.000	53.192	-6.4#	84	0.00
53 T	t-1,3-Dichloropropene	50.000	52.062	-4.1	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.441	-6.9	85	0.00
55 T	1,1,2-Trichloroethane	50.000	52.364	-4.7	85	0.00
56 T	Ethyl methacrylate	50.000	50.626	-1.3	82	0.00
57 T	1,3-Dichloropropane	50.000	52.534	-5.1	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	263.967	-5.6	79	0.00
59 T	2-Hexanone	250.000	243.243	2.7	81	0.00
60 T	Dibromochloromethane	50.000	53.672	-7.3	85	0.00
61 T	1,2-Dibromoethane	50.000	52.685	-5.4	85	0.00
62 S	4-Bromofluorobenzene	50.000	50.120	-0.2	82	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64 T	Tetrachloroethene	50.000	51.645	-3.3	82	0.00
65 PM	Chlorobenzene	50.000	53.191	-6.4	84	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.937	-5.9	84	0.00
67 C	Ethyl Benzene	50.000	52.887	-5.8#	83	0.00
68 T	m/p-Xylenes	100.000	106.465	-6.5	84	0.00
69 T	o-Xylene	50.000	53.401	-6.8	85	0.00
70 T	Styrene	50.000	53.337	-6.7	84	0.00
71 P	Bromoform	50.000	51.173	-2.3	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73 T	Isopropylbenzene	50.000	53.338	-6.7	84	0.00
74 T	N-amyl acetate	50.000	49.797	0.4	82	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.057	-2.1	83	0.00
76 T	1,2,3-Trichloropropane	50.000	53.312	-6.6	86	0.00
77 T	Bromobenzene	50.000	52.632	-5.3	83	0.00
78 T	n-propylbenzene	50.000	53.604	-7.2	84	0.00
79 T	2-Chlorotoluene	50.000	53.269	-6.5	84	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.075	-6.2	83	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	47.601	4.8	81	0.00
82 T	4-Chlorotoluene	50.000	53.249	-6.5	83	0.00
83 T	tert-Butylbenzene	50.000	52.865	-5.7	83	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.733	-7.5	84	0.00
85 T	sec-Butylbenzene	50.000	53.545	-7.1	83	0.00
86 T	p-Isopropyltoluene	50.000	53.506	-7.0	83	0.00
87 T	1,3-Dichlorobenzene	50.000	53.186	-6.4	84	0.00
88 T	1,4-Dichlorobenzene	50.000	52.554	-5.1	84	0.00
89 T	n-Butylbenzene	50.000	54.360	-8.7	83	0.00
90 T	Hexachloroethane	50.000	53.238	-6.5	84	0.00
91 T	1,2-Dichlorobenzene	50.000	52.616	-5.2	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.767	-1.5	84	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.983	-6.0	83	0.00
94 T	Hexachlorobutadiene	50.000	52.696	-5.4	82	0.00
95 T	Naphthalene	50.000	50.663	-1.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
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 17 01:26:32 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	51.679	-3.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



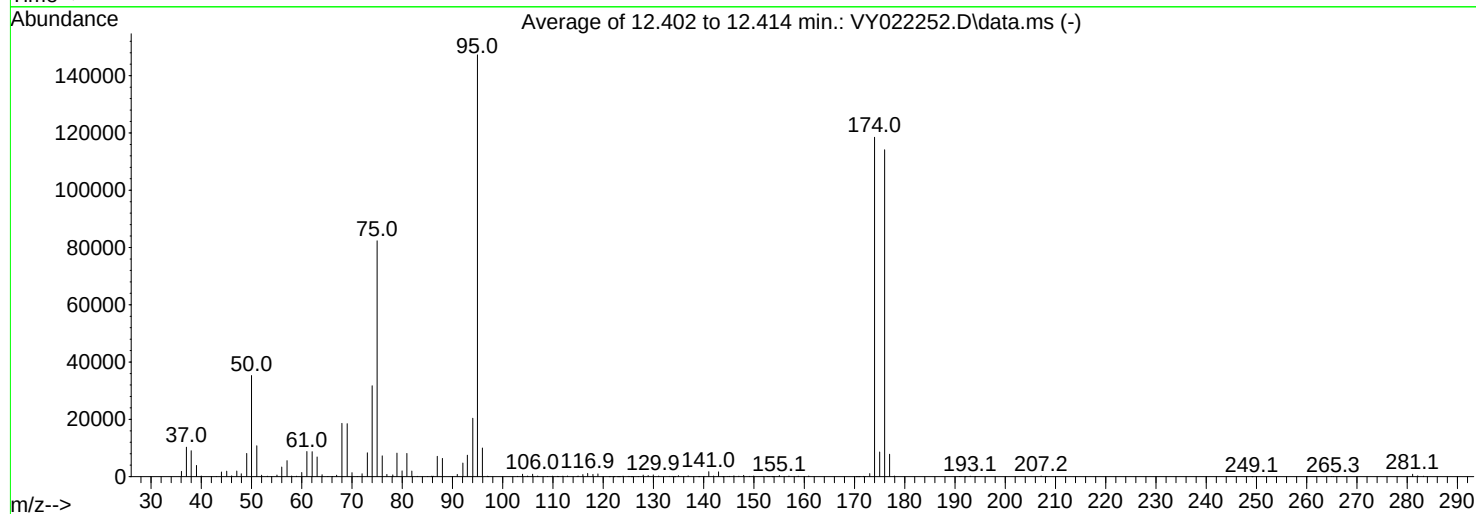
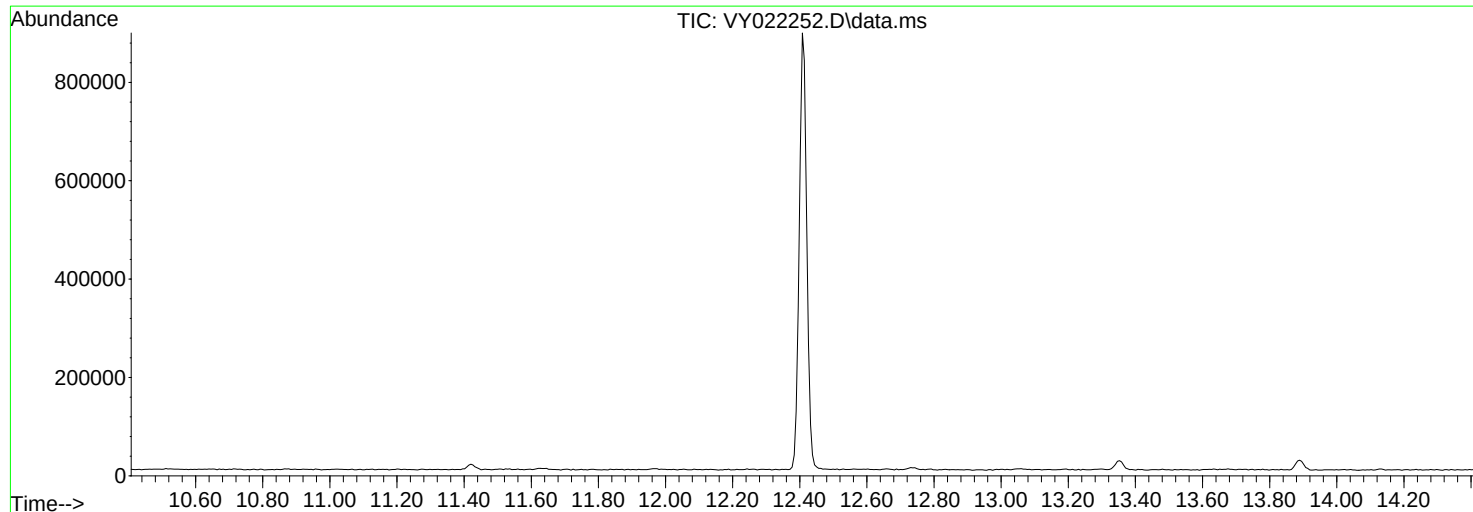
QC SAMPLE DATA

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

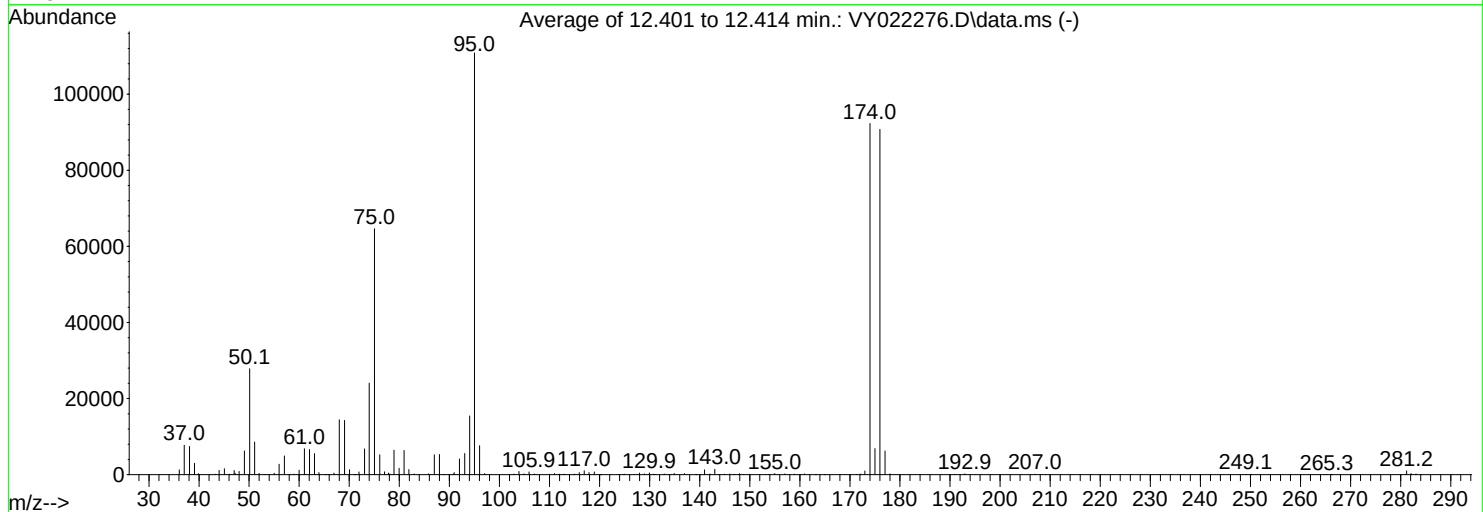
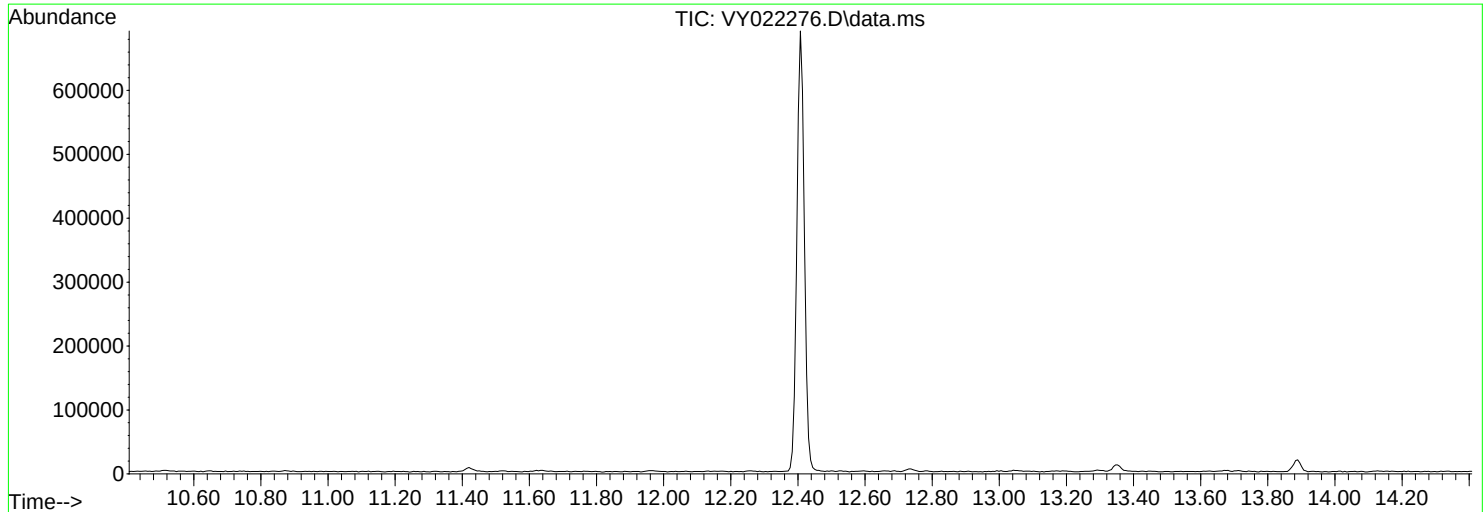
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022276.D
Acq On : 16 May 2025 07:54
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 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	27835	PASS
75	95	30	60	58.3	64637	PASS
95	95	100	100	100.0	110867	PASS
96	95	5	9	6.9	7634	PASS
173	174	0.00	2	1.0	962	PASS
174	95	50	100	83.3	92307	PASS
175	174	5	9	7.4	6838	PASS
176	174	95	101	98.3	90747	PASS
177	176	5	9	6.9	6231	PASS

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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	42.8		63 - 155	86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		38 - 136	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358000	7.707			
540-36-3	1,4-Difluorobenzene	618000	8.616			
3114-55-4	Chlorobenzene-d5	478000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBL01	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
VY022261.D	1		05/15/25 13:44	VY051525

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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 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	357935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	617938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	173912	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167429	42.800	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.600%
35) Dibromofluoromethane	7.634	113	178256	48.331	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.103	98	735166	48.669	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.408	95	190691	39.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.660%

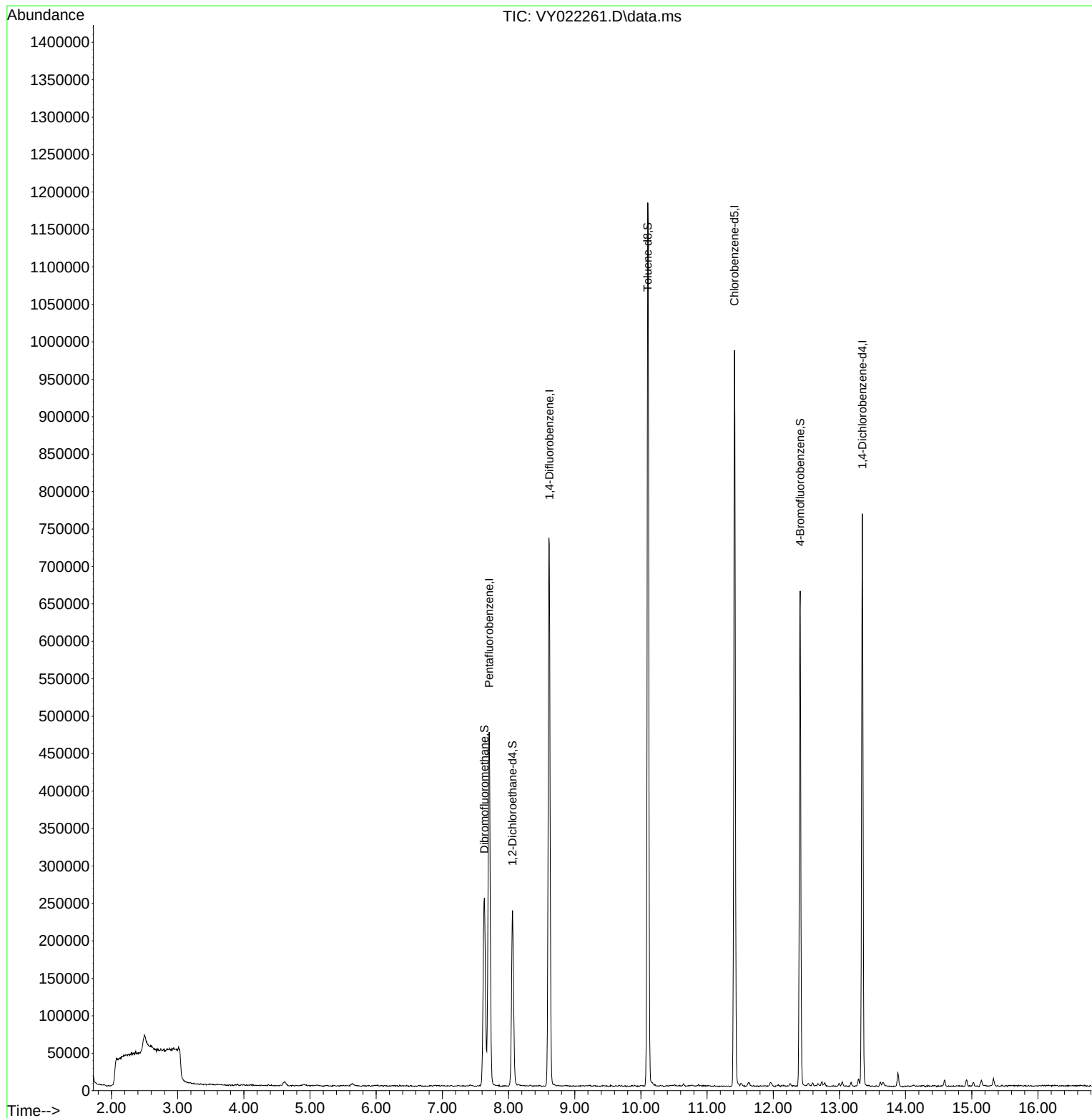
Target Compounds	Qvalue

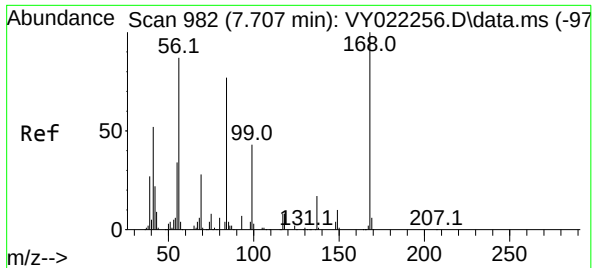
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 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

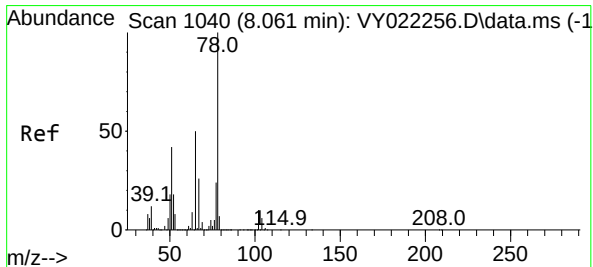
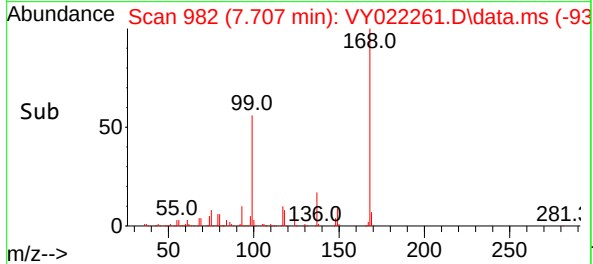
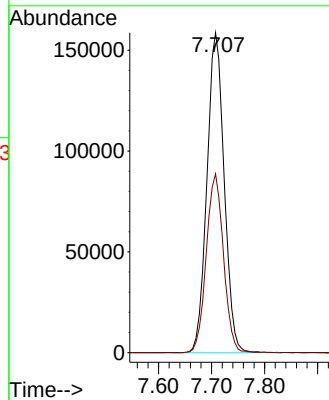
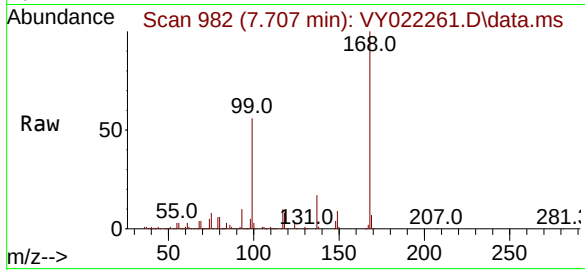




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

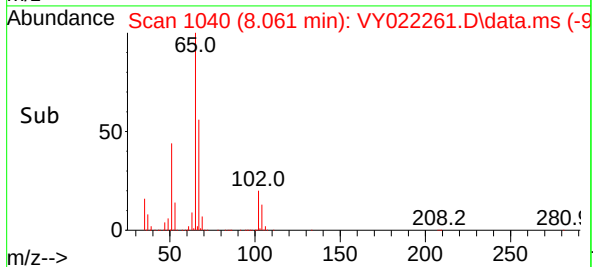
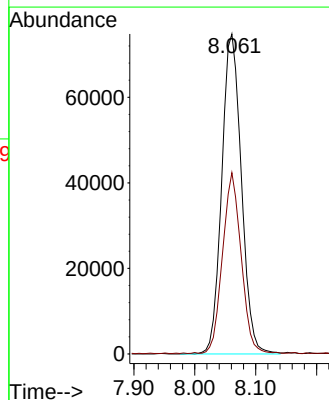
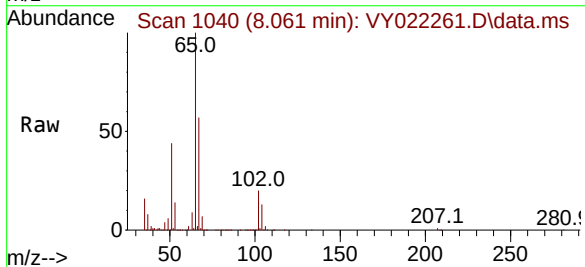
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

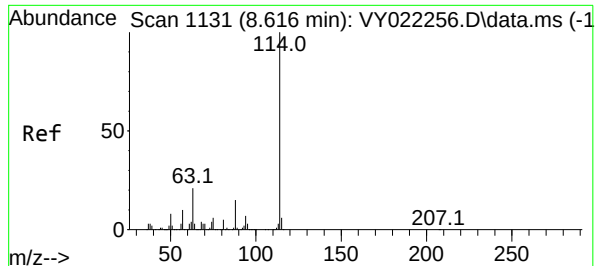
Tgt Ion:168 Resp: 357935
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 42.800 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion: 65 Resp: 167429
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022261.D

Acq: 15 May 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBL01

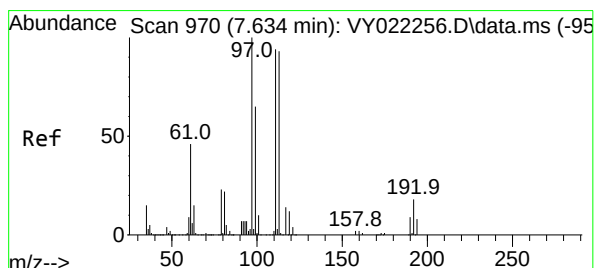
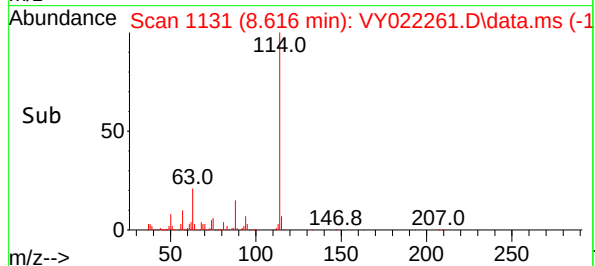
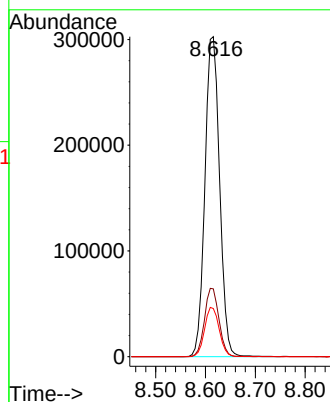
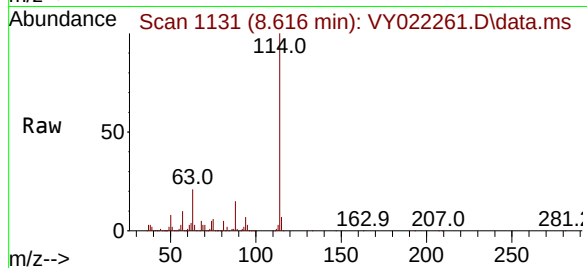
Tgt Ion:114 Resp: 617938

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.0

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.331 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022261.D

Acq: 15 May 2025 13:44

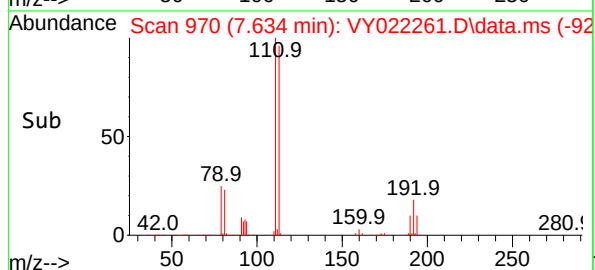
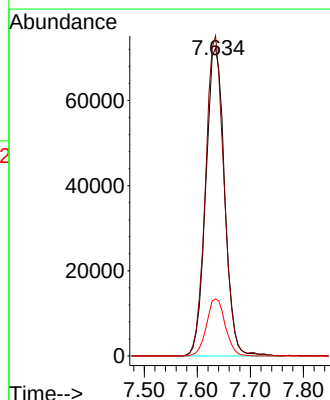
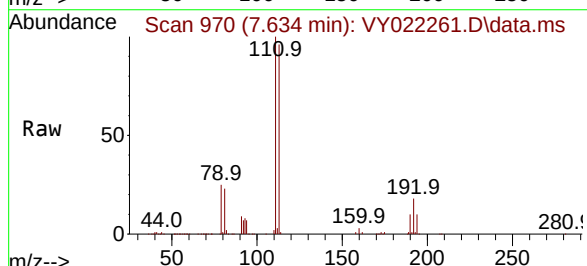
Tgt Ion:113 Resp: 178256

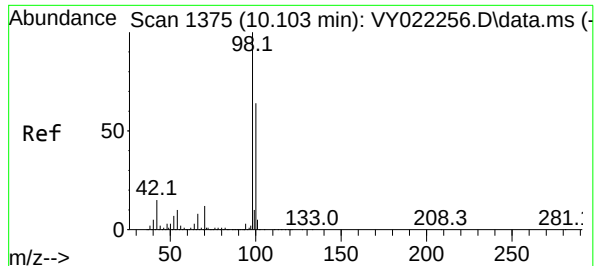
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.5 15.2 22.8





#50

Toluene-d8

Concen: 48.669 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022261.D

Acq: 15 May 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

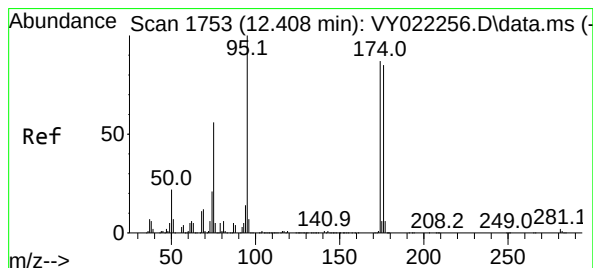
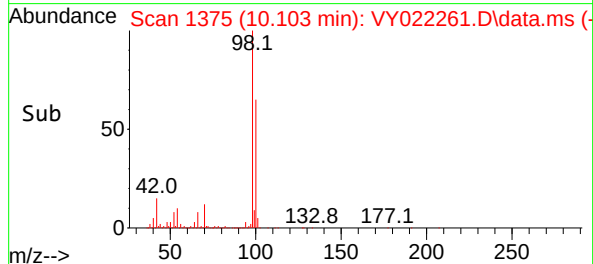
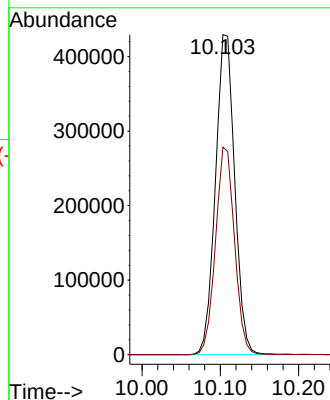
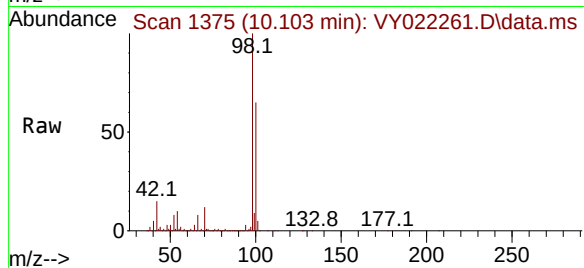
VY0515SBL01

Tgt Ion: 98 Resp: 735166

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 39.828 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022261.D

Acq: 15 May 2025 13:44

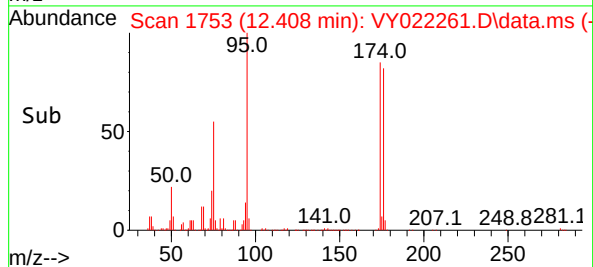
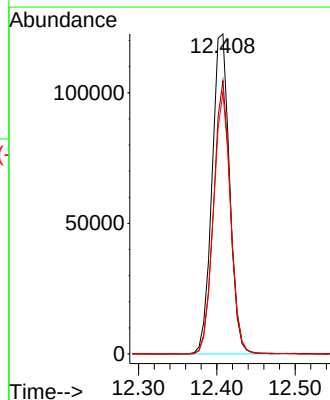
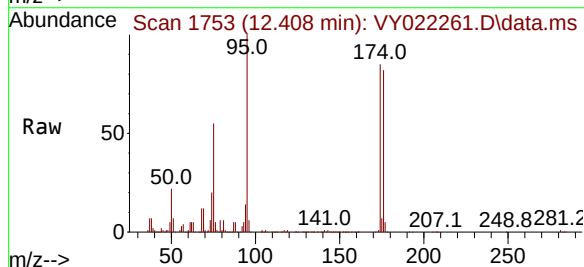
Tgt Ion: 95 Resp: 190691

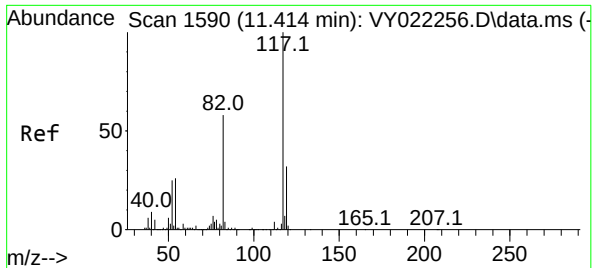
Ion Ratio Lower Upper

95 100

174 82.3 0.0 166.8

176 79.5 0.0 160.8

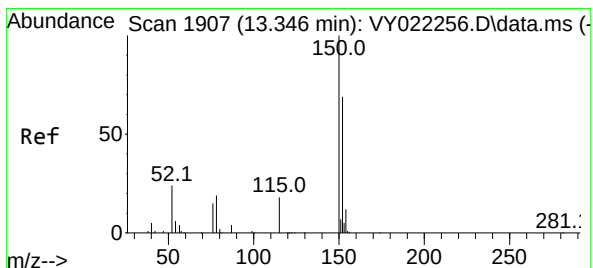
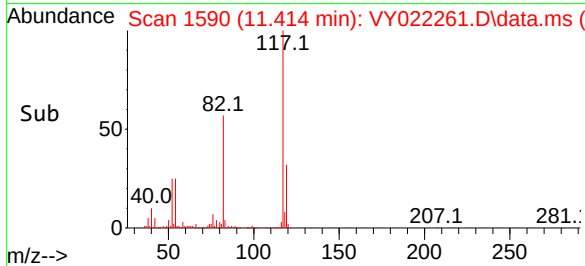
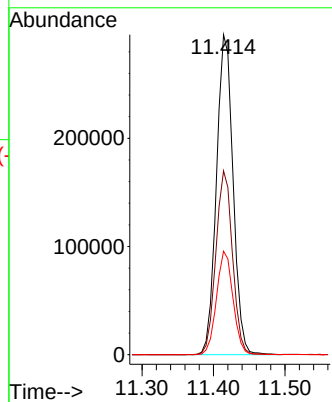
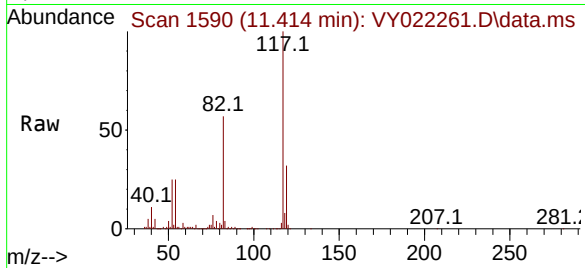




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

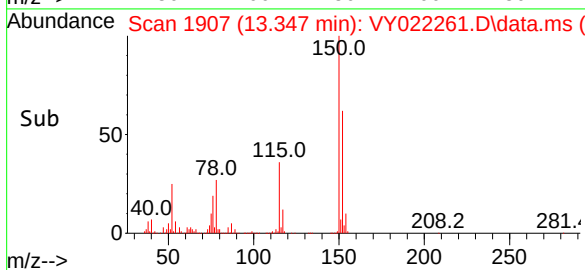
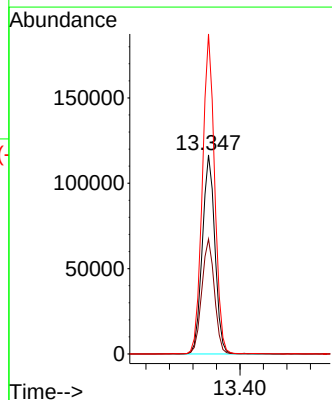
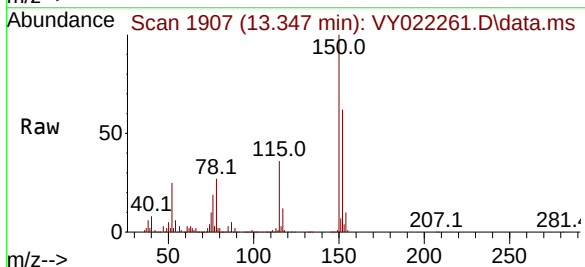
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:117 Resp: 477752
Ion Ratio Lower Upper
117 100
82 57.4 46.6 70.0
119 32.3 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: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion:152 Resp: 173912
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.2
150 156.2 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

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: VY022261.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	45	58	60	rBV5	36881	90199	4.47%	0.942%
2	7.634	960	970	976	rBV	251115	618832	30.69%	6.464%
3	7.707	976	982	993	rVB	471583	1059909	52.56%	11.071%
4	8.061	1029	1040	1051	rBV	235031	508651	25.22%	5.313%
5	8.610	1119	1130	1142	rBV	732449	1479872	73.39%	15.457%
6	10.103	1368	1375	1391	rBV	1179528	2016533	100.00%	21.063%
7	11.414	1582	1590	1603	rBV	982804	1589159	78.81%	16.599%
8	12.408	1746	1753	1766	rBV	661349	1040116	51.58%	10.864%
9	13.347	1901	1907	1918	rVB	763725	1140039	56.53%	11.908%
10	13.883	1987	1995	2002	rBV	18209	30586	1.52%	0.319%

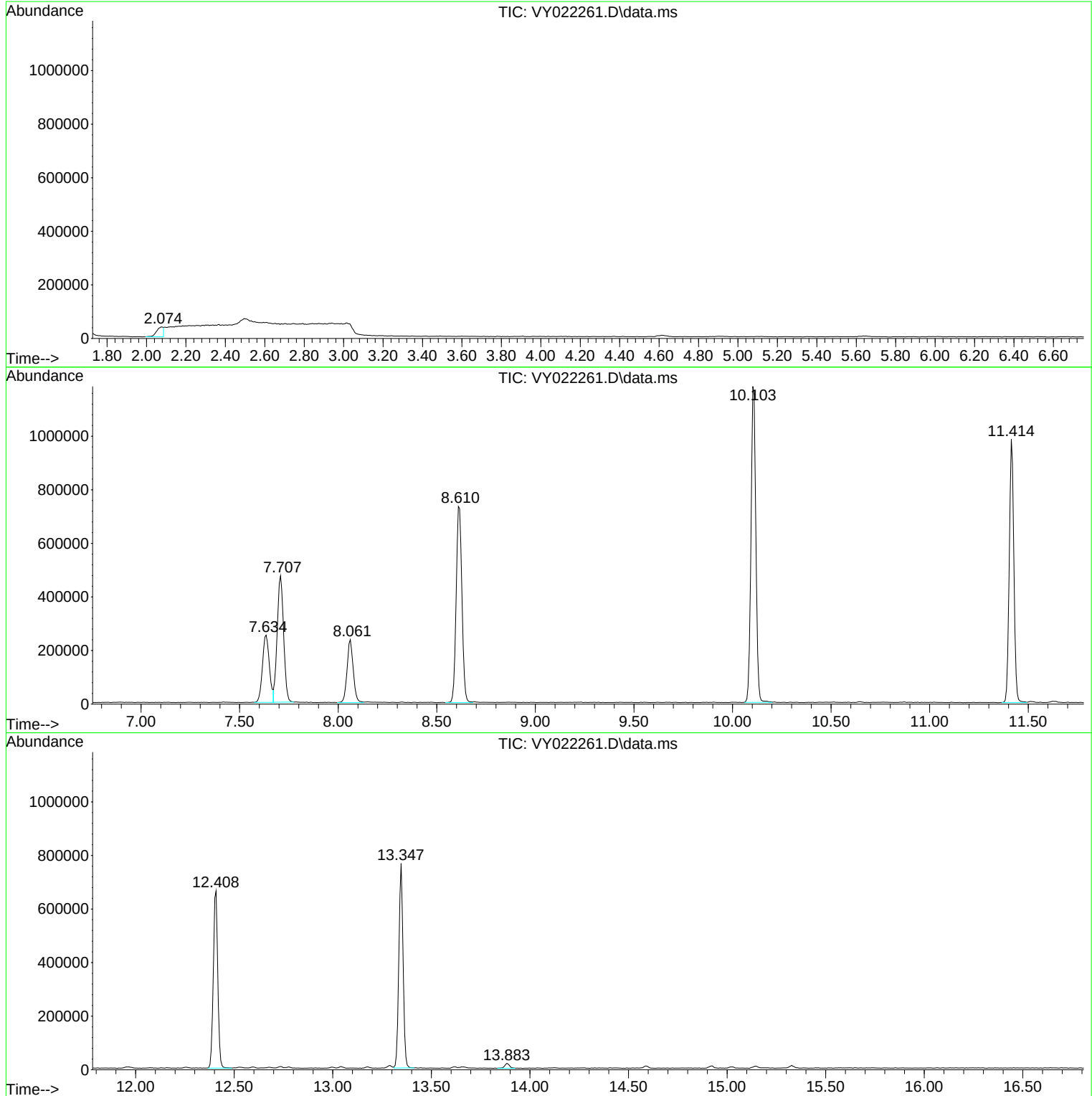
Sum of corrected areas: 9573896

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	556000	8.616			
3114-55-4	Chlorobenzene-d5	426000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBL01	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
VY022278.D	1		05/16/25 09:37	VY051625

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\VY051625\
 Data File : VY022278.D
 Acq On : 16 May 2025 09:37
 Operator : SY/MD
 Sample : VY0516SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBL01

Quant Time: May 17 01:27:50 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	314347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150831	43.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.800%
35) Dibromofluoromethane	7.634	113	158963	47.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.880%
50) Toluene-d8	10.109	98	662270	48.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.408	95	208685	48.485	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.980%

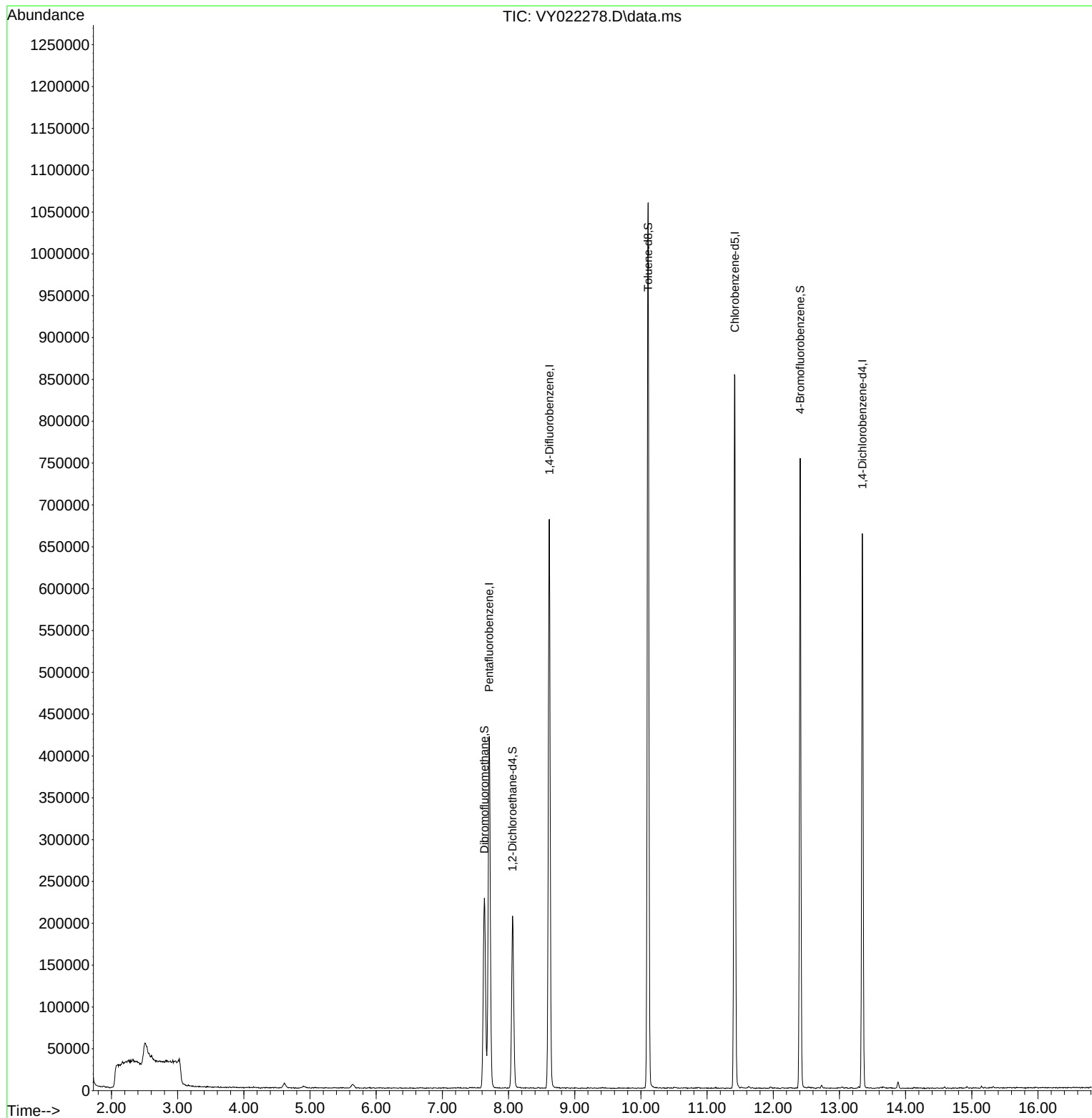
Target Compounds	Qvalue

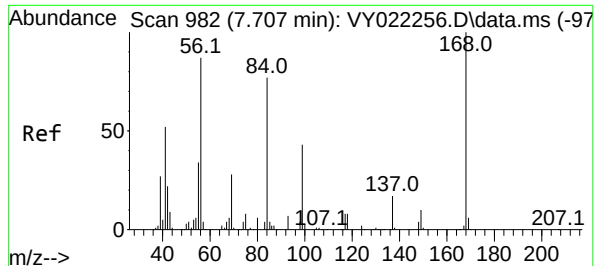
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 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

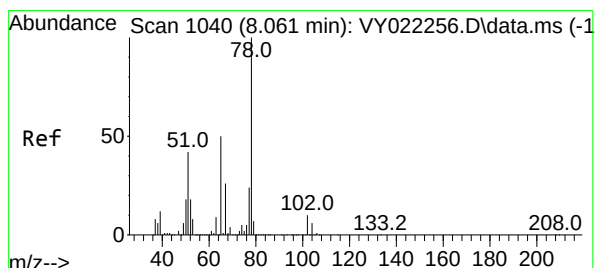
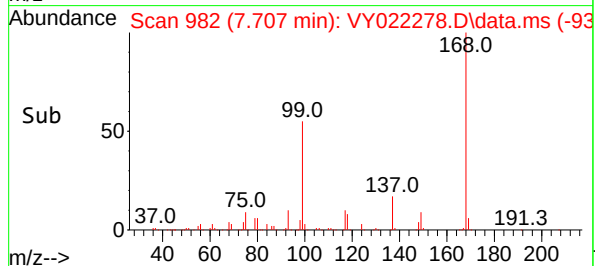
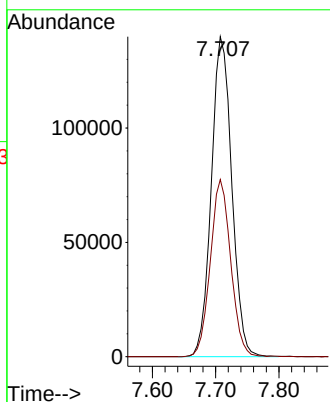
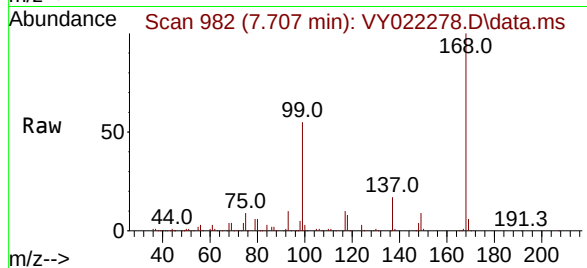




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

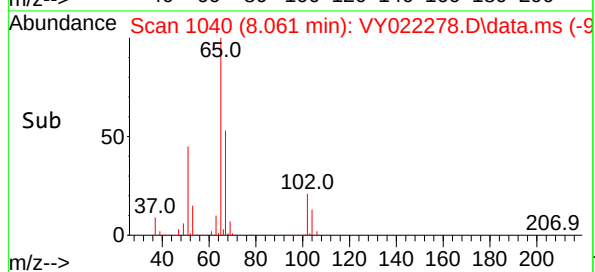
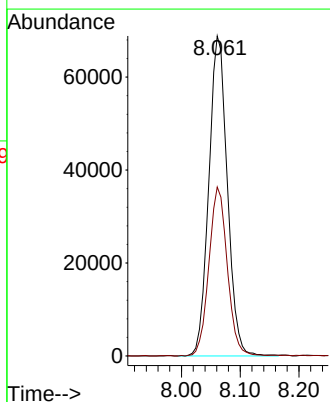
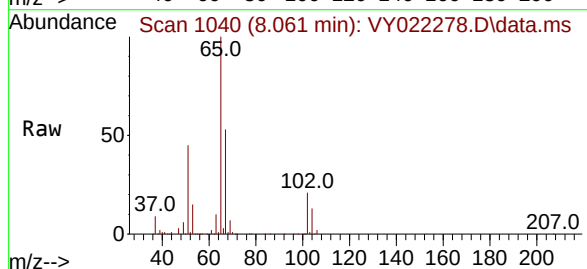
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

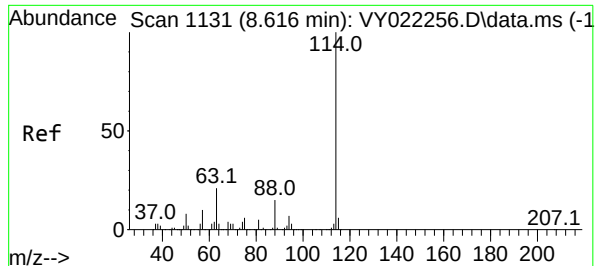
Tgt Ion:168 Resp: 314347
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022278.D

Acq: 16 May 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

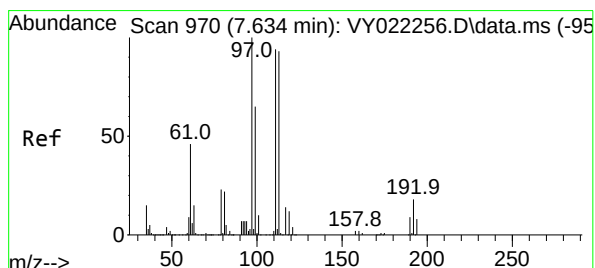
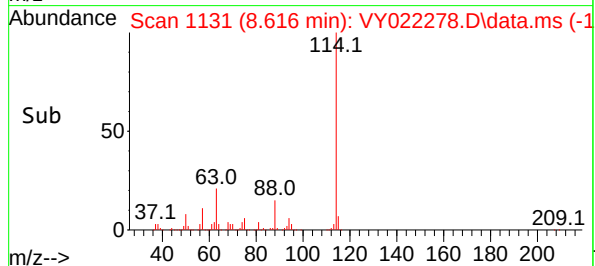
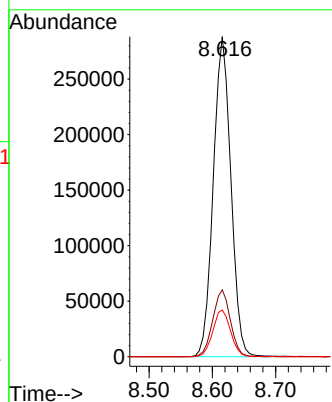
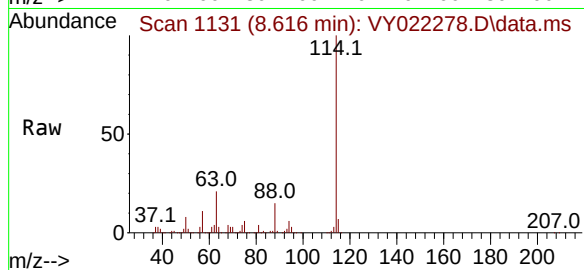
Tgt Ion:114 Resp: 555500

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.945 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022278.D

Acq: 16 May 2025 09:37

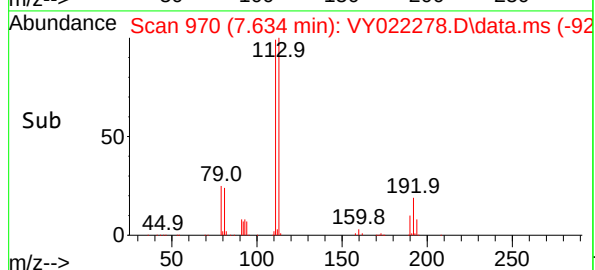
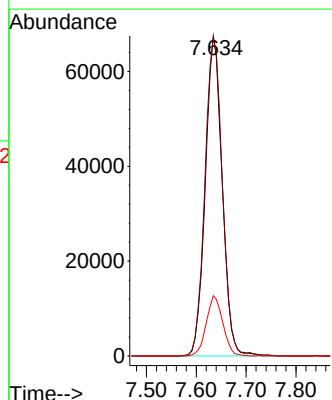
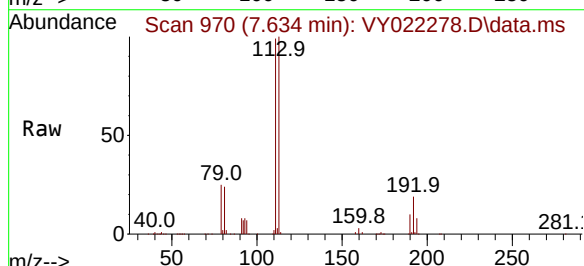
Tgt Ion:113 Resp: 158963

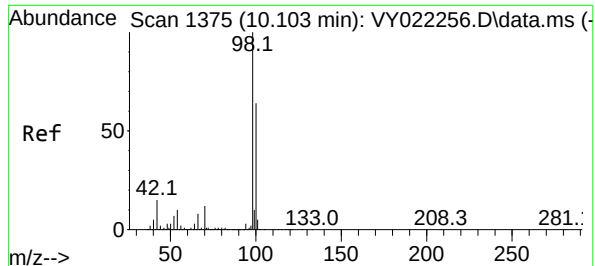
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 18.4 15.2 22.8





#50

Toluene-d8

Concen: 48.771 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY022278.D

Acq: 16 May 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

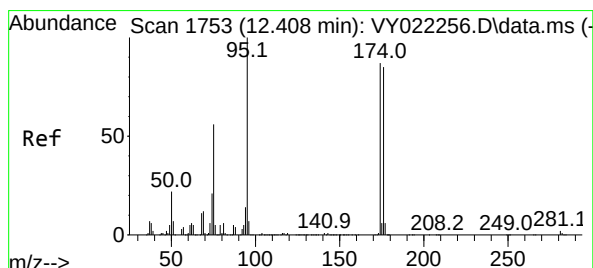
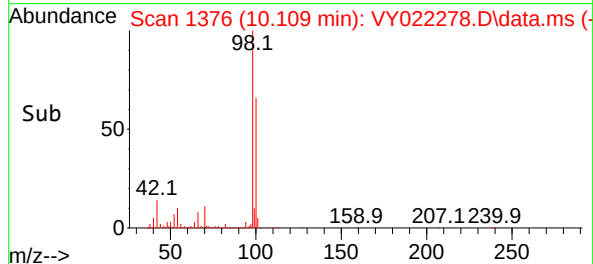
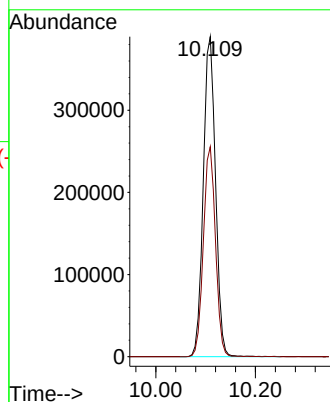
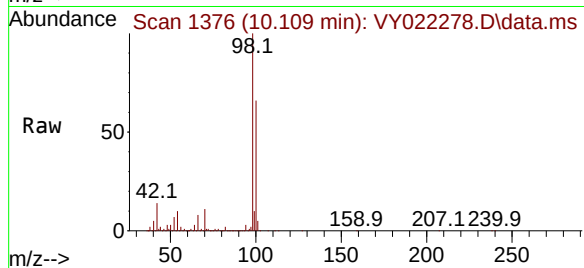
VY0516SBL01

Tgt Ion: 98 Resp: 662270

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 48.485 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022278.D

Acq: 16 May 2025 09:37

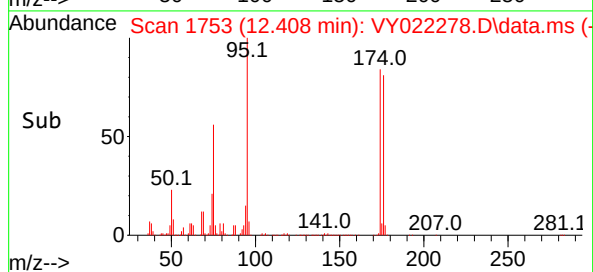
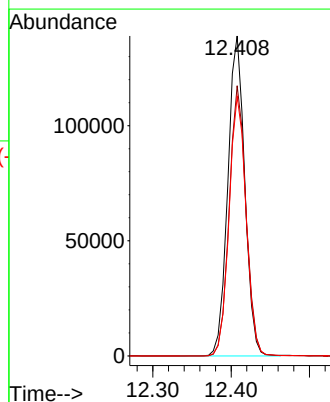
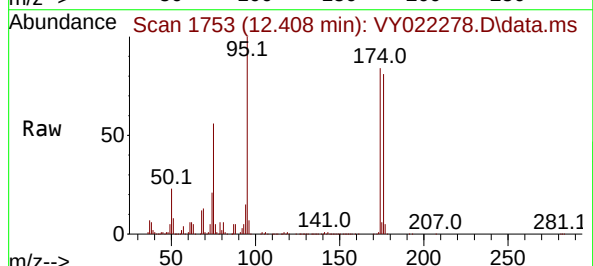
Tgt Ion: 95 Resp: 208685

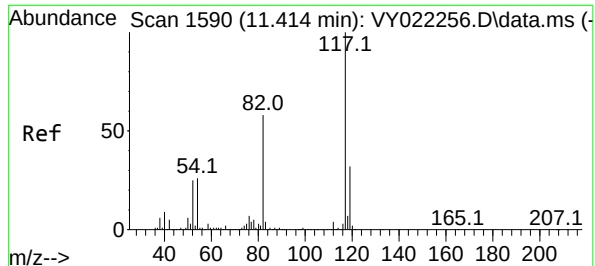
Ion Ratio Lower Upper

95 100

174 83.9 0.0 166.8

176 81.7 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: VY022278.D

Acq: 16 May 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBL01

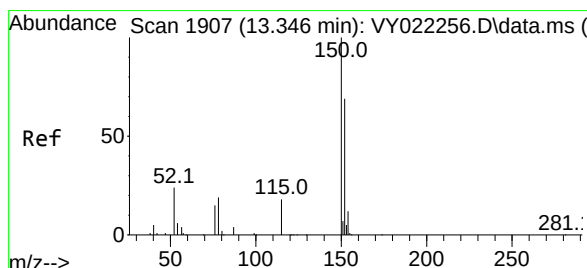
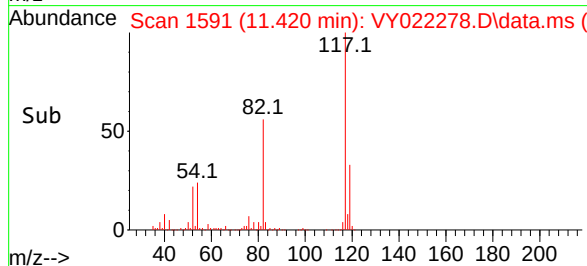
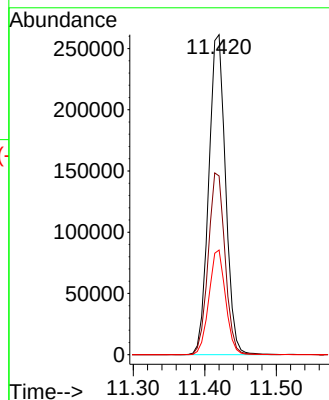
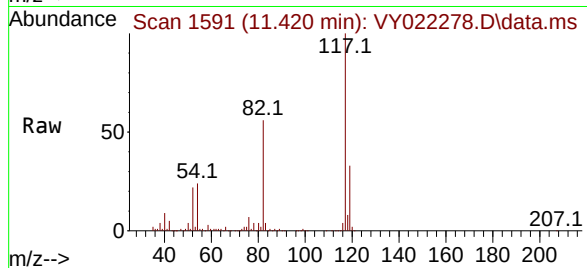
Tgt Ion:117 Resp: 426459

Ion Ratio Lower Upper

117 100

82 55.8 46.6 70.0

119 32.7 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: VY022278.D

Acq: 16 May 2025 09:37

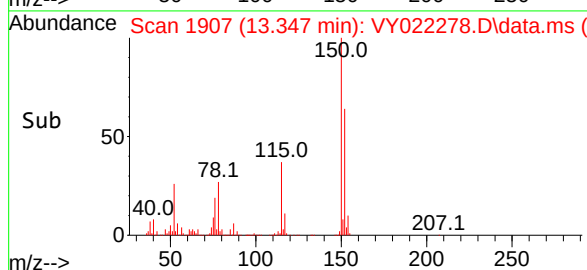
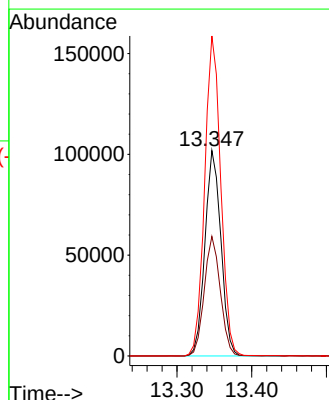
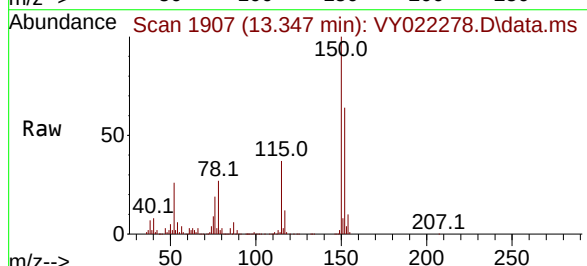
Tgt Ion:152 Resp: 151389

Ion Ratio Lower Upper

152 100

115 58.4 29.4 88.2

150 156.5 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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: VY022278.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	124	129	133	rBV6	15187	37517	2.06%	0.432%
2	7.634	960	970	976	rBV	227205	549094	30.21%	6.327%
3	7.707	976	982	995	rVB	419918	942727	51.86%	10.863%
4	8.061	1030	1040	1052	rBV	205731	447251	24.60%	5.154%
5	8.616	1122	1131	1145	rBV	679955	1321951	72.73%	15.232%
6	10.109	1368	1376	1387	rBV	1058309	1817733	100.00%	20.945%
7	11.414	1582	1590	1603	rBV	853205	1412662	77.72%	16.278%
8	12.408	1746	1753	1764	rBV	752746	1152576	63.41%	13.281%
9	13.347	1900	1907	1918	rVB	662743	997052	54.85%	11.489%

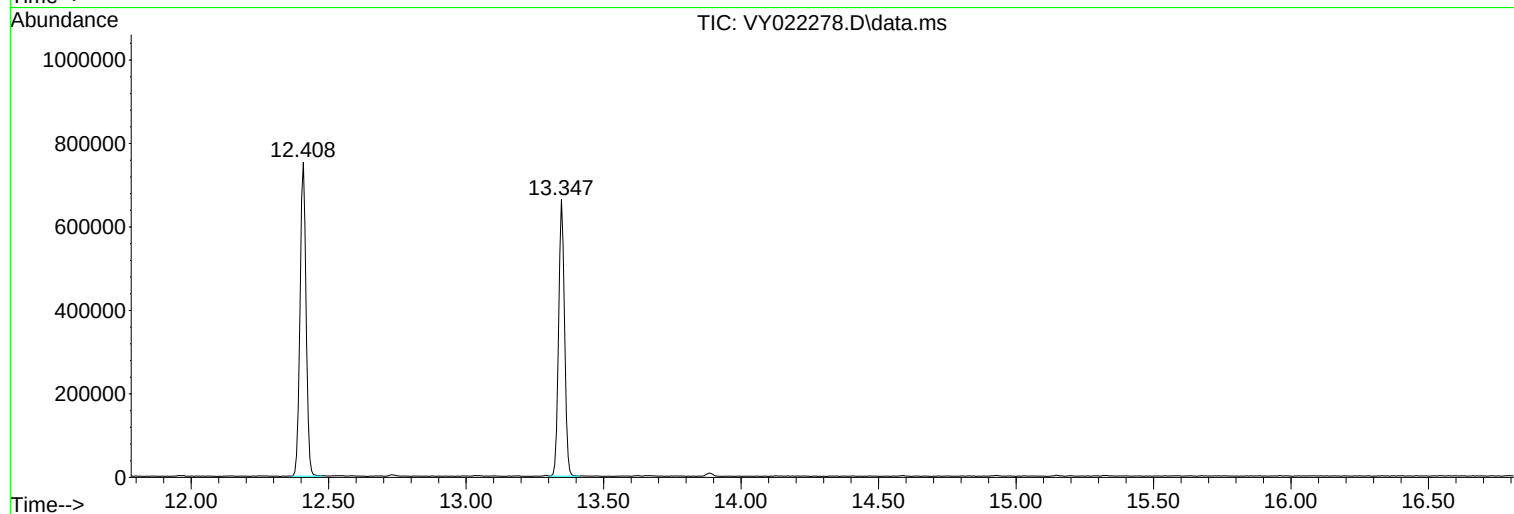
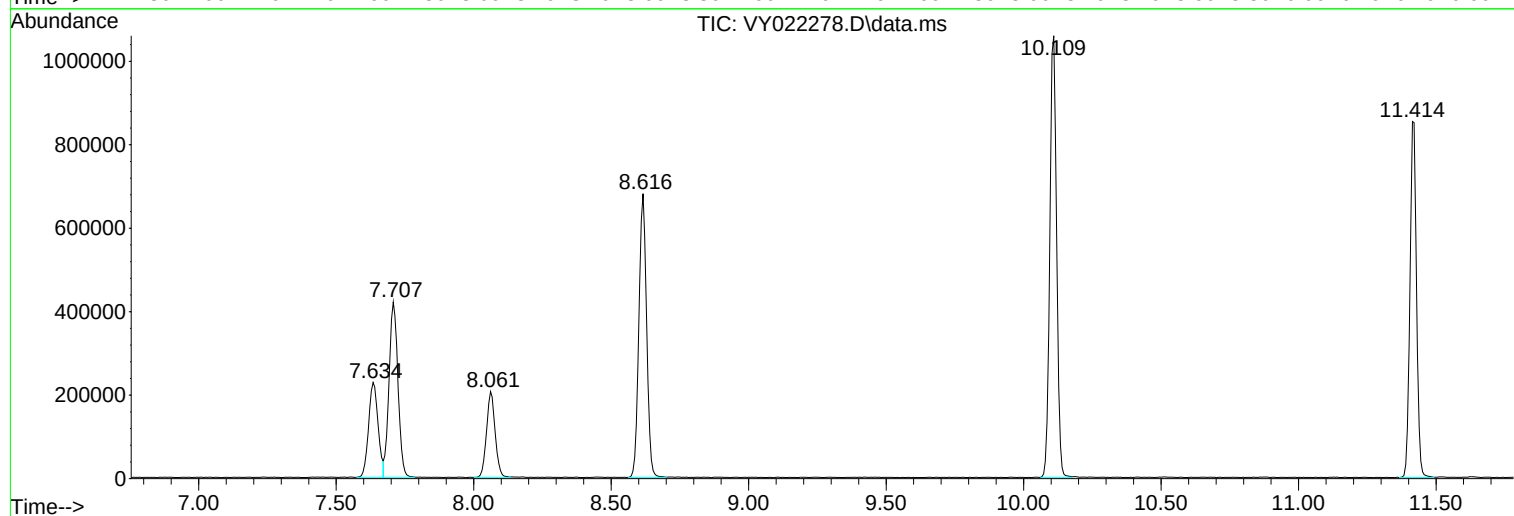
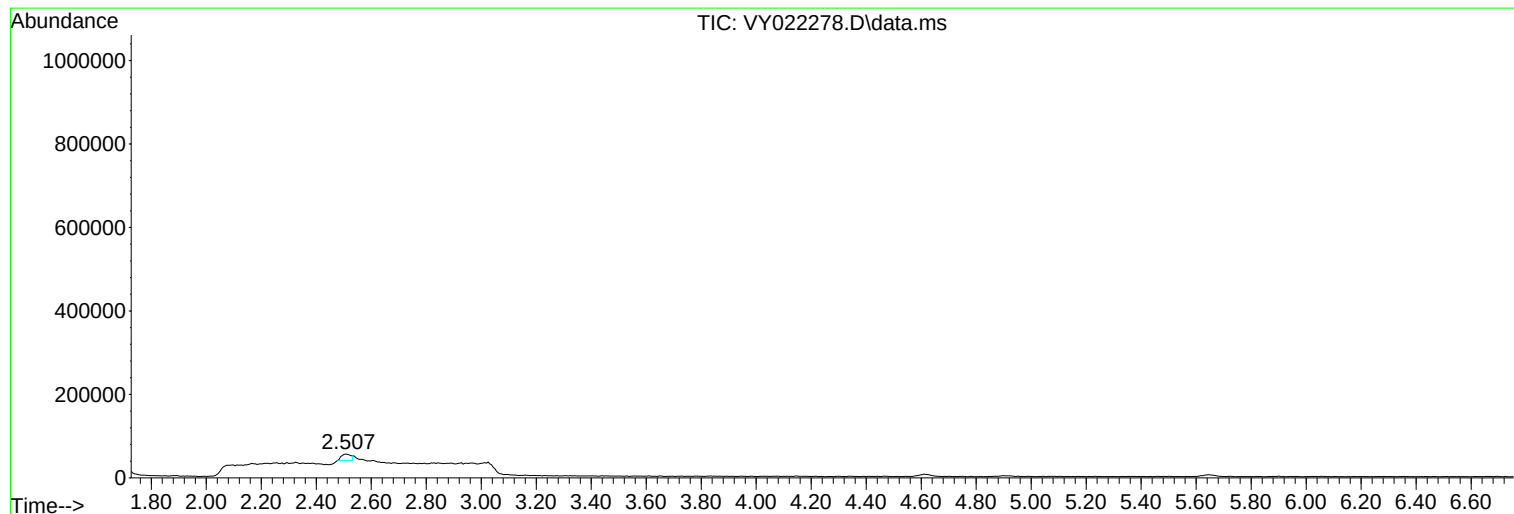
Sum of corrected areas: 8678563

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.8		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	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	98.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		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	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	406000	8.616			
3114-55-4	Chlorobenzene-d5	345000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBS01	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
VY022262.D	1		05/15/25 14:07	VY051525

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\VY051525\
 Data File : VY022262.D
 Acq On : 15 May 2025 14:07
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 16 01:54:08 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	240556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163448	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	134549	51.178	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.360%	
35) Dibromofluoromethane	7.634	113	123849	51.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.103	98	508643	51.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.408	95	157889	50.222	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.440%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	55866	22.256	ug/l	96
3) Chloromethane	2.062	50	128835	24.400	ug/l	99
4) Vinyl Chloride	2.202	62	138947	23.553	ug/l	97
5) Bromomethane	2.592	94	119304	24.843	ug/l	100
6) Chloroethane	2.732	64	83509	22.754	ug/l	98
7) Trichlorofluoromethane	3.050	101	136929	22.926	ug/l	97
8) Diethyl Ether	3.452	74	29041	20.261	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	54846	21.152	ug/l	99
10) Methyl Iodide	4.001	142	55406	18.462	ug/l	98
11) Tert butyl alcohol	4.872	59	20159	100.411	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	54958	21.358	ug/l	99
13) Acrolein	3.653	56	29036	98.931	ug/l	96
14) Allyl chloride	4.379	41	93389	20.699	ug/l	97
15) Acrylonitrile	5.055	53	60103	101.763	ug/l	99
16) Acetone	3.873	43	49514	100.441	ug/l	99
17) Carbon Disulfide	4.104	76	179245	21.362	ug/l	99
18) Methyl Acetate	4.385	43	29743	19.136	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	144494	20.366	ug/l	99
20) Methylene Chloride	4.616	84	67724	21.261	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	58315	20.532	ug/l	96
22) Diisopropyl ether	6.018	45	196421	20.615	ug/l	100
23) Vinyl Acetate	5.958	43	578998	100.588	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110449	20.749	ug/l	97
25) 2-Butanone	6.896	43	81164	98.430	ug/l	97
26) 2,2-Dichloropropane	6.884	77	98935	20.897	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68417	20.875	ug/l	99
28) Bromochloromethane	7.244	49	47380	20.868	ug/l	100
29) Tetrahydrofuran	7.262	42	54316	102.386	ug/l	99
30) Chloroform	7.421	83	108086	21.169	ug/l	95
31) Cyclohexane	7.701	56	111819	21.025	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	98630	21.056	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81482	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	38460	20.039	ug/l	98
38) Carbon Tetrachloride	7.817	117	84041	20.354	ug/l	95
39) Methylcyclohexane	9.109	83	112902	21.067	ug/l	99
40) Benzene	8.079	78	245775	20.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022262.D
 Acq On : 15 May 2025 14:07
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 16 01:54:08 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	7.220	41	26058m	20.468	ug/l	
42) 1,2-Dichloroethane	8.158	62	65234	20.399	ug/l	100
43) Isopropyl Acetate	8.195	43	82723	19.763	ug/l #	88
44) Trichloroethene	8.866	130	60548	20.593	ug/l	100
45) 1,2-Dichloropropane	9.140	63	58205	20.416	ug/l	96
46) Dibromomethane	9.231	93	31296	20.353	ug/l	99
47) Bromodichloromethane	9.420	83	83066	20.823	ug/l	99
48) Methyl methacrylate	9.219	41	38763	19.803	ug/l	98
49) 1,4-Dioxane	9.231	88	6813	392.199	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	201472	98.097	ug/l	99
52) Toluene	10.170	92	150777	20.135	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	77444	19.893	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	91983	20.623	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	39755	20.190	ug/l	98
56) Ethyl methacrylate	10.438	69	60445	19.707	ug/l	99
57) 1,3-Dichloropropane	10.713	76	70964	20.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	124088	90.134	ug/l	100
59) 2-Hexanone	10.762	43	132798	96.437	ug/l	98
60) Dibromochloromethane	10.908	129	52808	20.662	ug/l	98
61) 1,2-Dibromoethane	11.012	107	36868	20.089	ug/l	100
64) Tetrachloroethene	10.646	164	63391	19.886	ug/l	98
65) Chlorobenzene	11.438	112	157927	20.297	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	52751	19.721	ug/l	99
67) Ethyl Benzene	11.518	91	292819	20.095	ug/l	98
68) m/p-Xylenes	11.627	106	218261	39.750	ug/l	99
69) o-Xylene	11.950	106	103620	19.946	ug/l	99
70) Styrene	11.969	104	173798	19.833	ug/l	99
71) Bromoform	12.127	173	28611	19.817	ug/l #	99
73) Isopropylbenzene	12.255	105	272938	20.157	ug/l	100
74) N-amyl acetate	12.066	43	75451	19.483	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	41948	20.143	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	33194m	20.046	ug/l	
77) Bromobenzene	12.530	156	56683	19.600	ug/l	96
78) n-propylbenzene	12.590	91	336430	20.598	ug/l	99
79) 2-Chlorotoluene	12.676	91	177870	19.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	217065	19.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	15228	18.629	ug/l	99
82) 4-Chlorotoluene	12.779	91	184041	19.935	ug/l	100
83) tert-Butylbenzene	12.993	119	197455	20.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	216888	19.988	ug/l	99
85) sec-Butylbenzene	13.176	105	292767	20.300	ug/l	99
86) p-Isopropyltoluene	13.292	119	241434	19.905	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	115782	19.611	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	113146	19.924	ug/l	100
89) n-Butylbenzene	13.615	91	233741	20.370	ug/l	99
90) Hexachloroethane	13.877	117	49361	20.160	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97586	19.678	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6960	20.726	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	56627	19.768	ug/l	99
94) Hexachlorobutadiene	15.023	225	32198	20.155	ug/l	97
95) Naphthalene	15.145	128	102697	18.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	47086	19.376	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

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

Quant Time: May 16 01:54:08 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

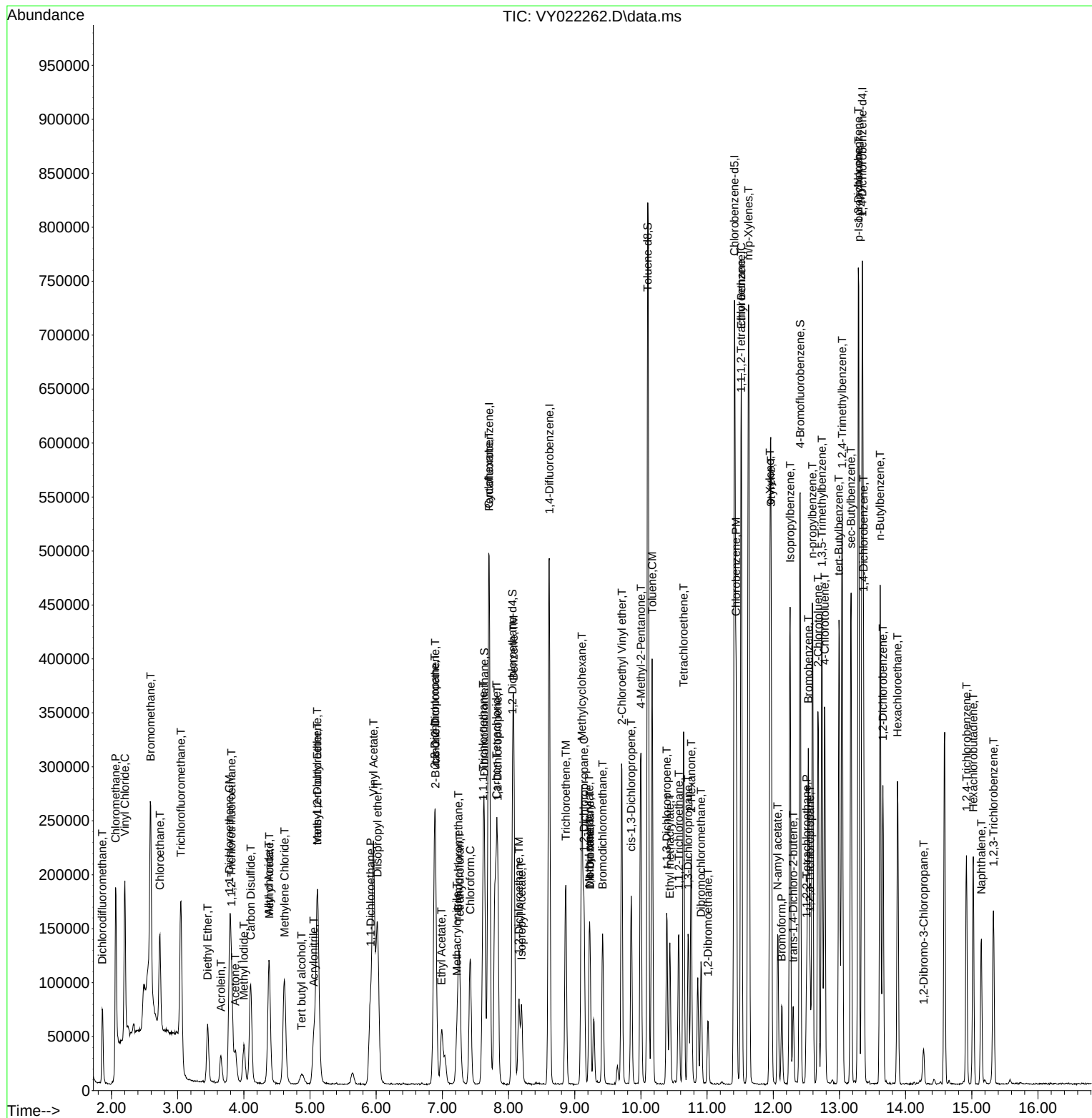
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Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/soil
ALS Vial : 11 Sample Multiplier: 1

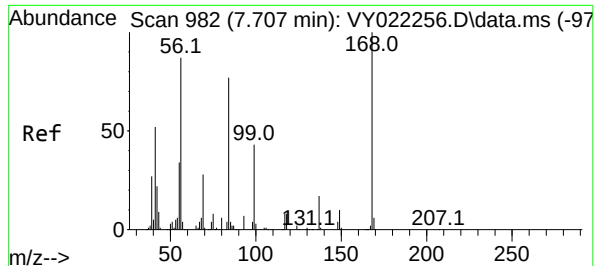
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

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

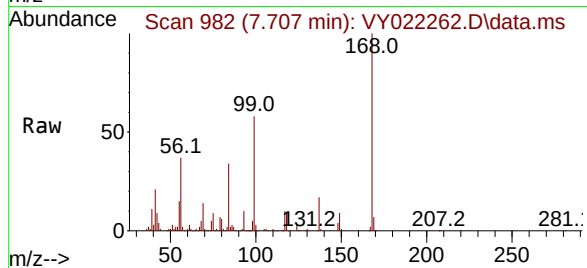
Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

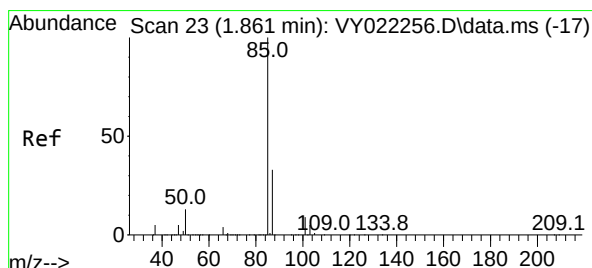
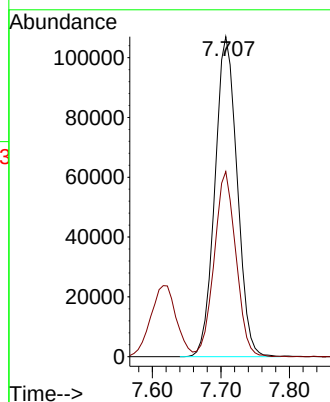
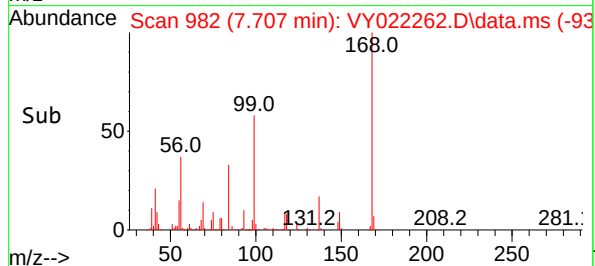
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:168 Resp: 240550
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4

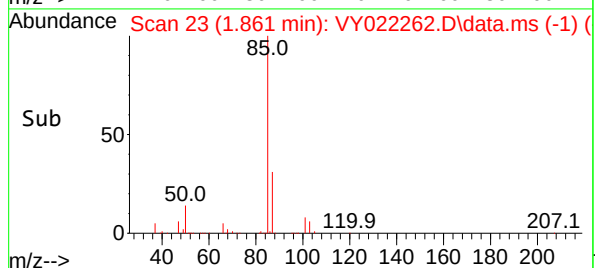
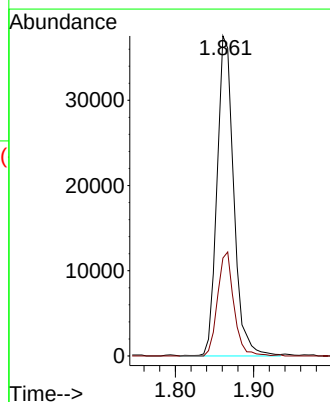
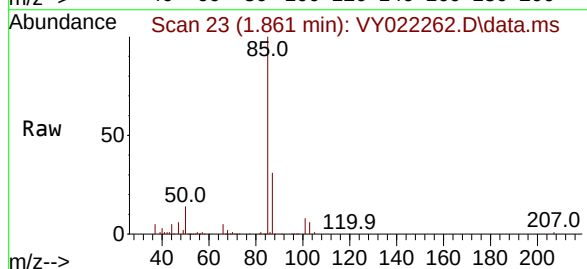
Manual Integrations
APPROVED

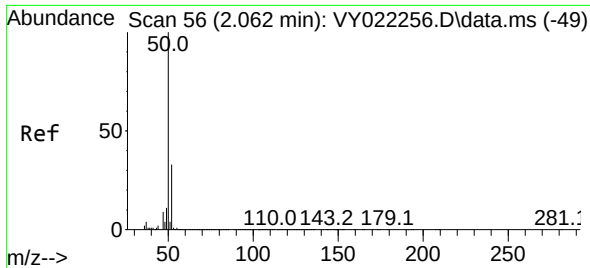
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 22.256 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

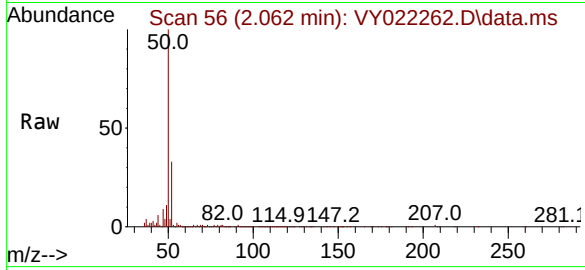
Tgt Ion: 85 Resp: 55866
Ion Ratio Lower Upper
85 100
87 30.6 16.5 49.5





#3
Chloromethane
Concen: 24.400 ug/l
RT: 2.062 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

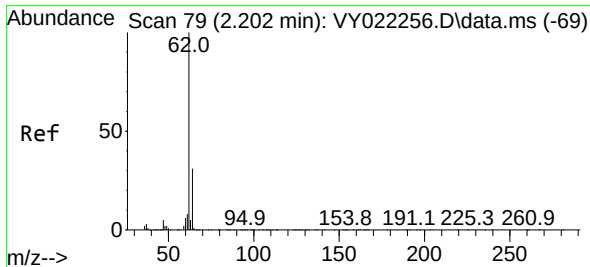
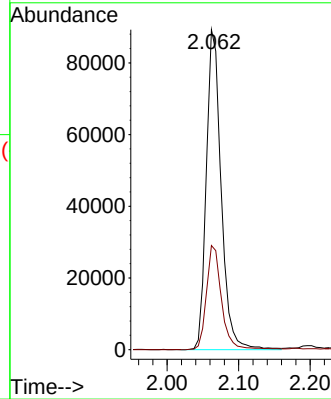
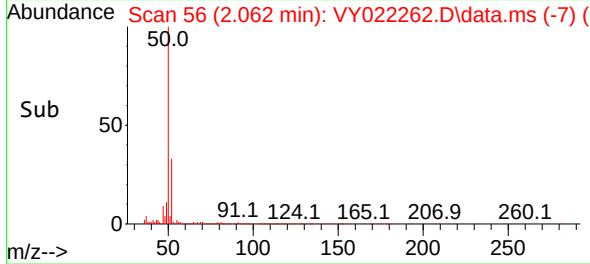
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 50 Resp: 128835
Ion Ratio Lower Upper
50 100
52 32.6 26.5 39.7

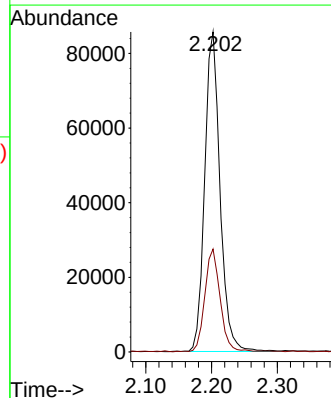
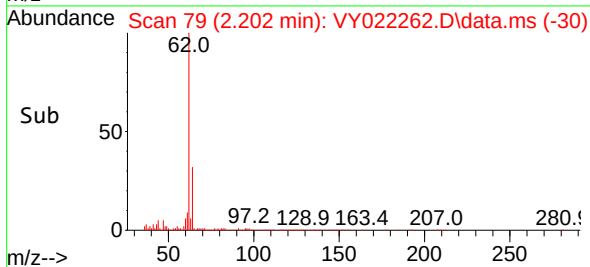
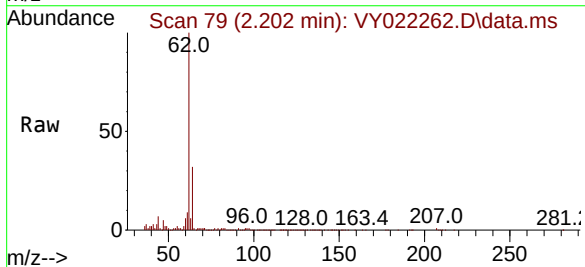
Manual Integrations
APPROVED

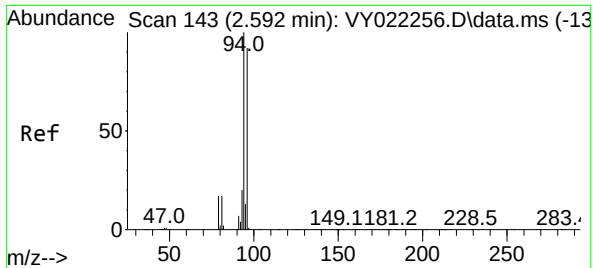
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#4
Vinyl Chloride
Concen: 23.553 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

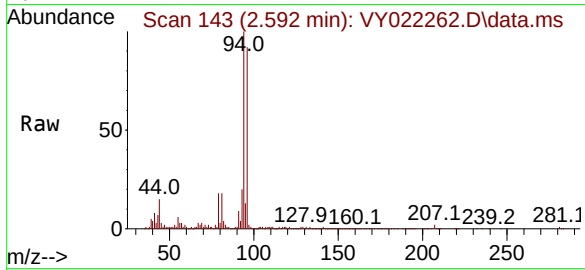
Tgt Ion: 62 Resp: 138947
Ion Ratio Lower Upper
62 100
64 32.1 24.5 36.7





#5
Bromomethane
Concen: 24.843 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

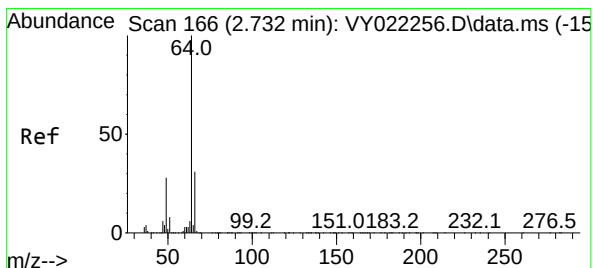
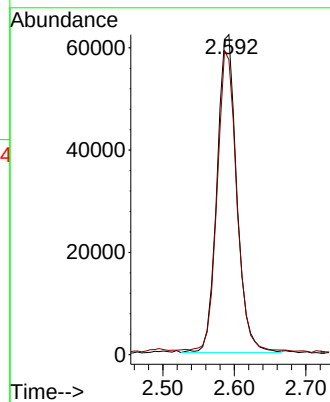
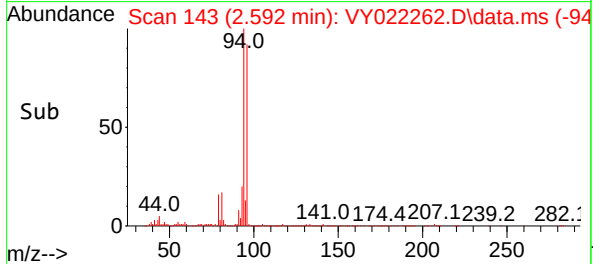
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 94 Resp: 119304
Ion Ratio Lower Upper
94 100
96 91.3 73.4 110.0

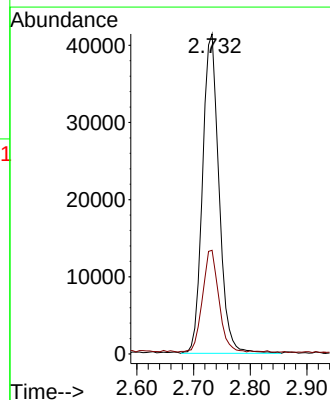
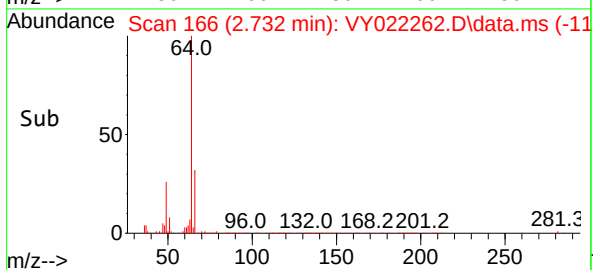
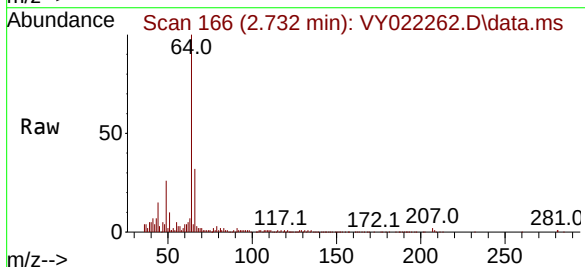
Manual Integrations
APPROVED

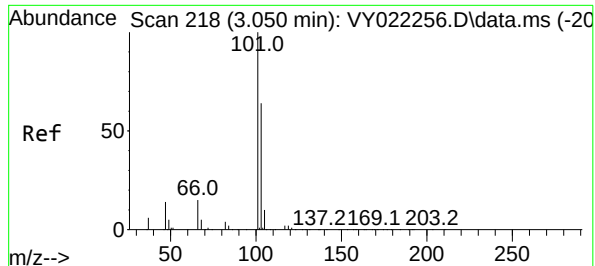
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 22.754 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

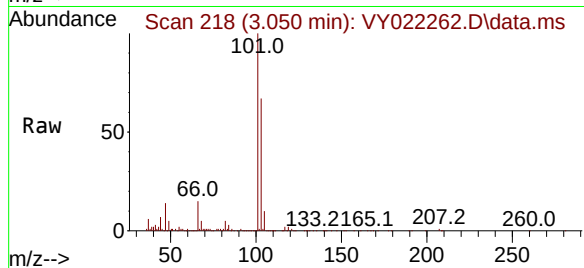
Tgt Ion: 64 Resp: 83509
Ion Ratio Lower Upper
64 100
66 31.9 24.8 37.2





#7
 Trichlorofluoromethane
 Concen: 22.926 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07

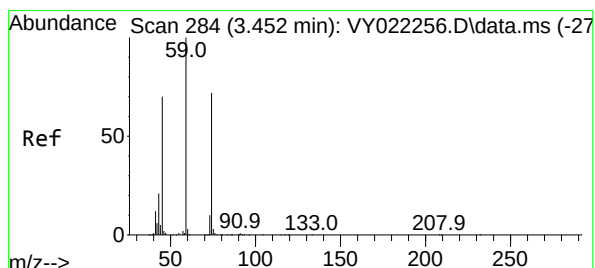
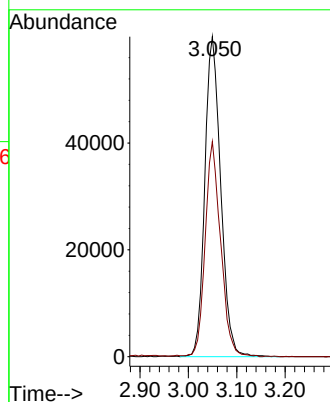
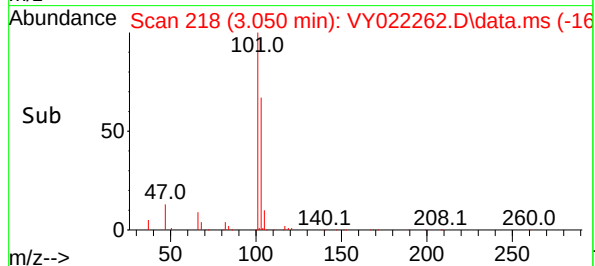
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01



Tgt Ion:101 Resp: 136929
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.7 77.5

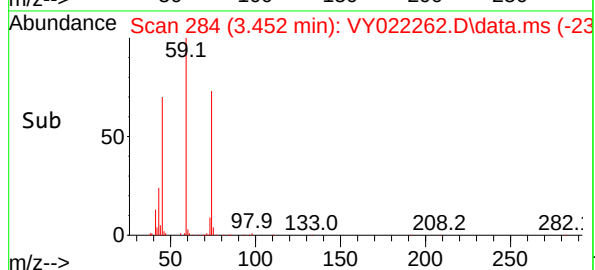
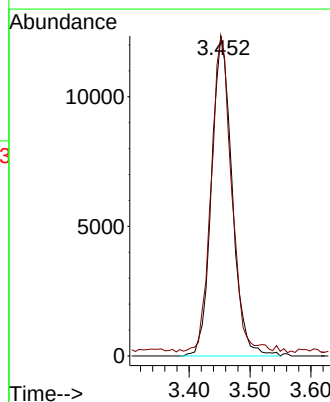
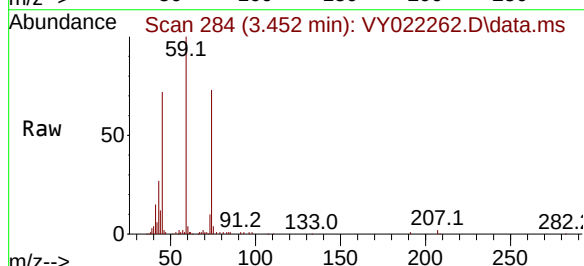
Manual Integrations
 APPROVED

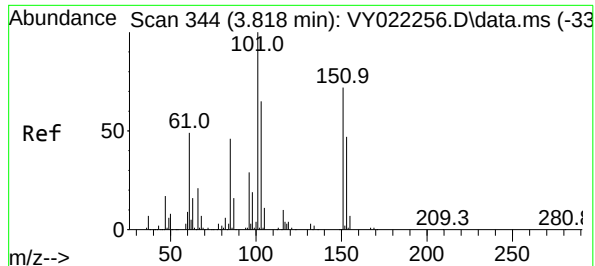
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#8
 Diethyl Ether
 Concen: 20.261 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07

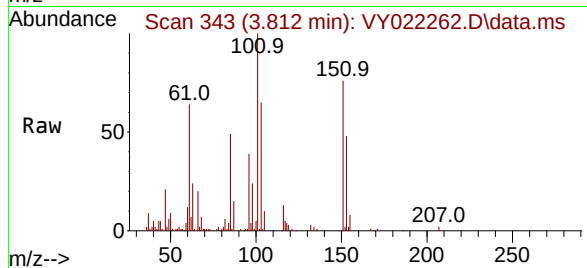
Tgt Ion: 74 Resp: 29041
 Ion Ratio Lower Upper
 74 100
 45 96.9 48.6 145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.152 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

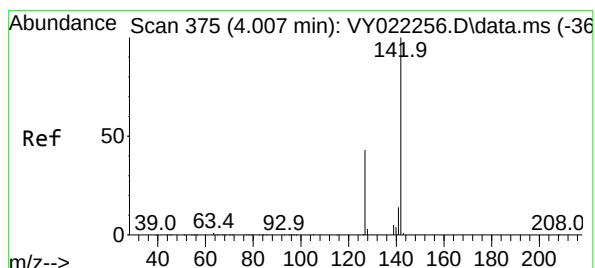
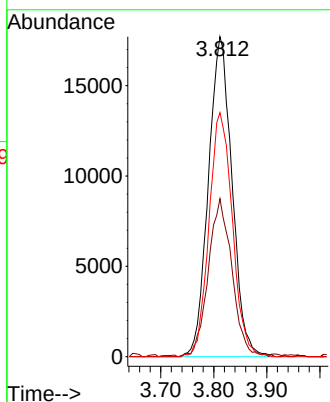
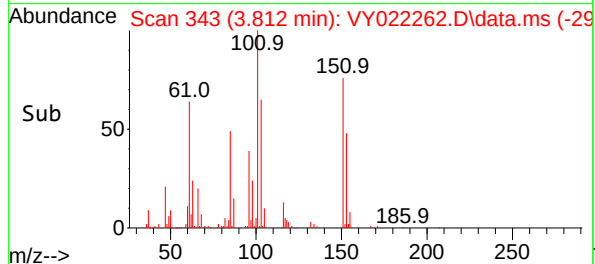
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



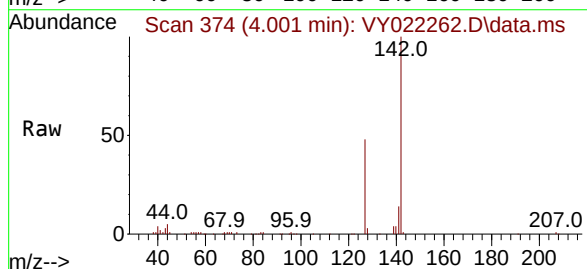
Tgt Ion:101 Resp: 54840
Ion Ratio Lower Upper
101 100
85 49.2 38.6 58.0
151 75.4 59.7 89.5

Manual Integrations
APPROVED

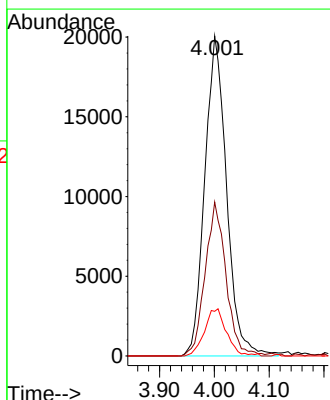
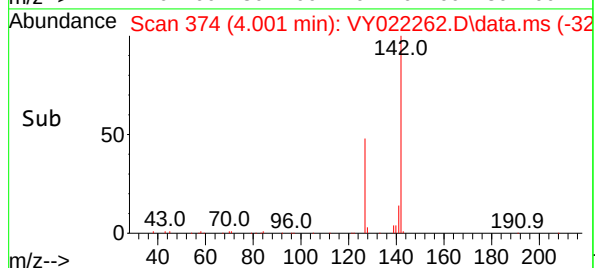
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

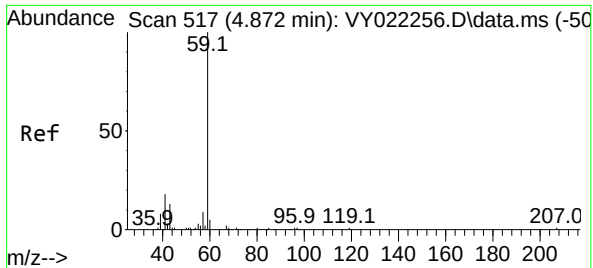


#10
Methyl Iodide
Concen: 18.462 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



Tgt Ion:142 Resp: 55406
Ion Ratio Lower Upper
142 100
127 46.0 35.7 53.5
141 14.9 11.1 16.7





#11

Tert butyl alcohol

Concen: 100.411 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 59 Resp: 2015

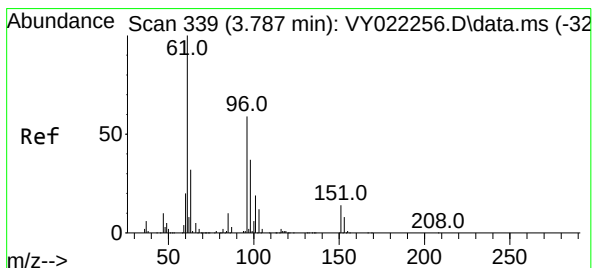
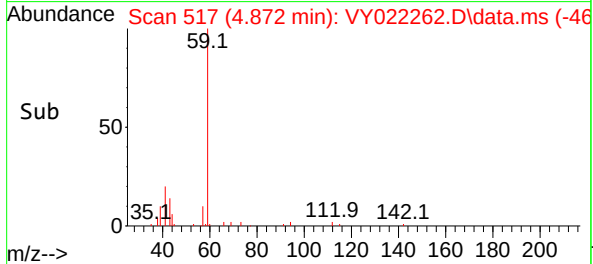
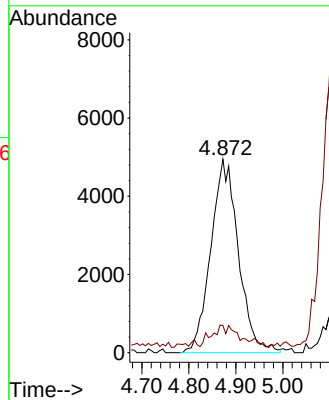
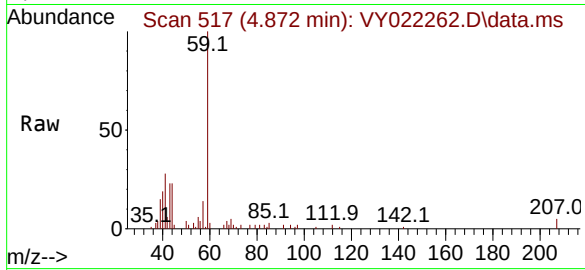
Ion Ratio Lower Upper

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: 21.358 ug/l

RT: 3.781 min Scan# 338

Delta R.T. -0.006 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

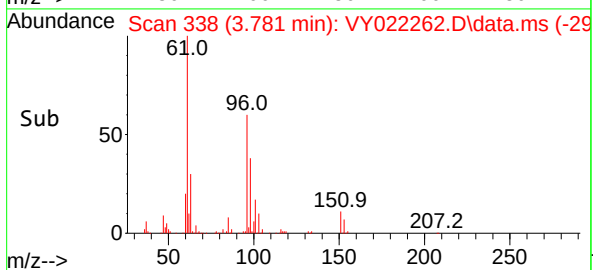
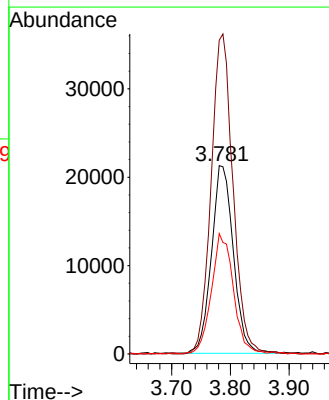
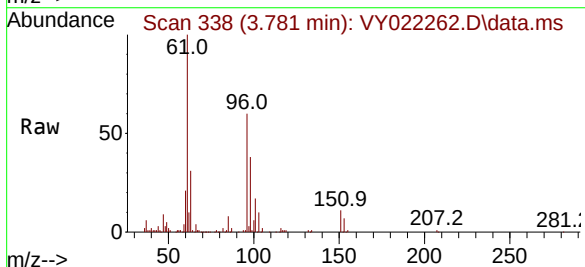
Tgt Ion: 96 Resp: 54958

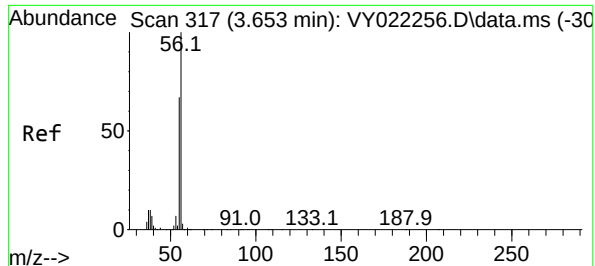
Ion Ratio Lower Upper

96 100

61 167.2 134.9 202.3

98 63.8 49.9 74.9





#13

Acrolein

Concen: 98.931 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022262.D

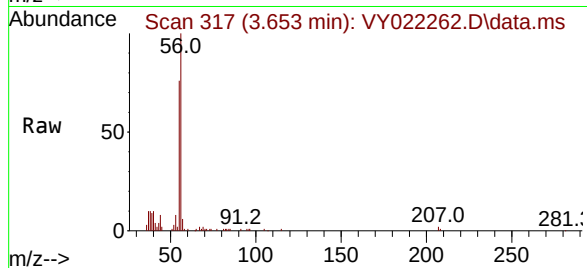
Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion: 56 Resp: 29030

Ion Ratio Lower Upper

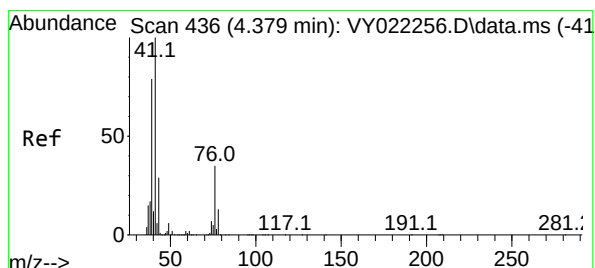
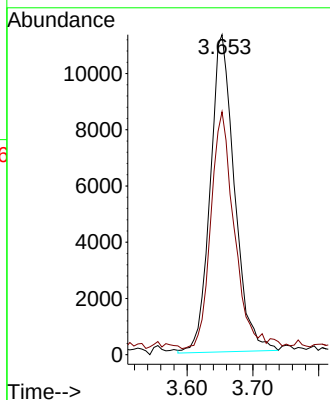
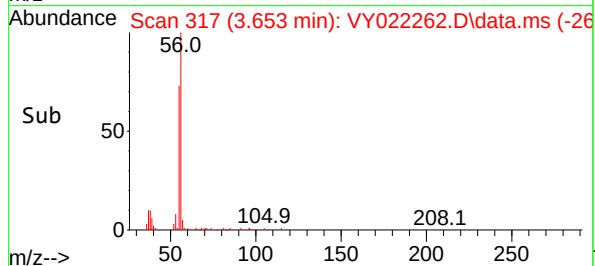
56 100

55 72.9 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: 20.699 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

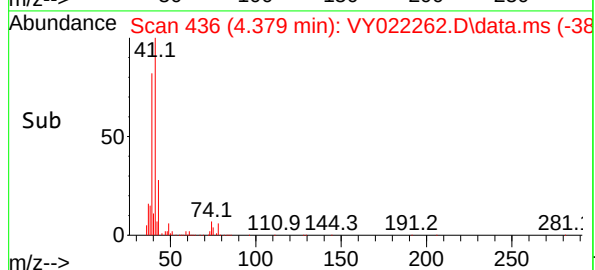
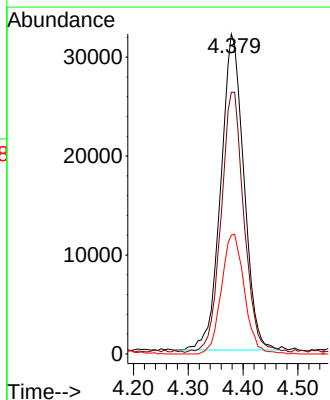
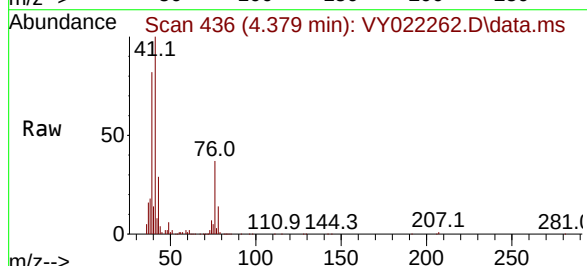
Tgt Ion: 41 Resp: 93389

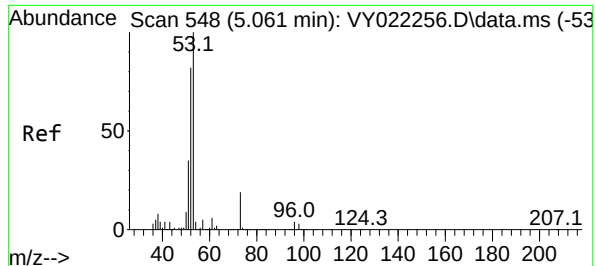
Ion Ratio Lower Upper

41 100

39 82.0 63.4 95.0

76 37.8 29.5 44.3





#15

Acrylonitrile

Concen: 101.763 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

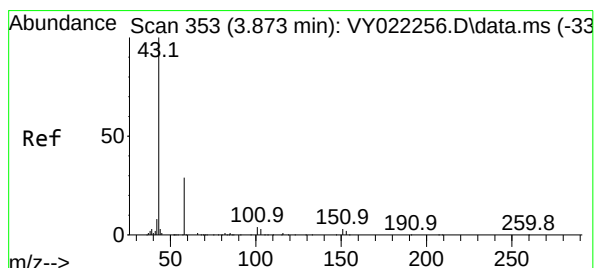
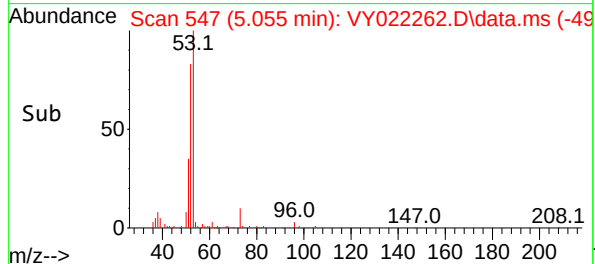
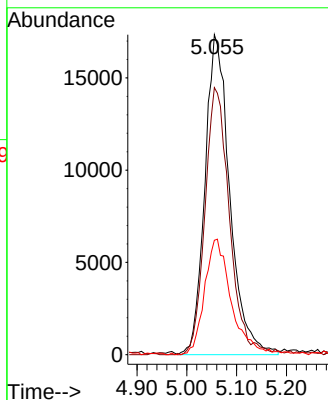
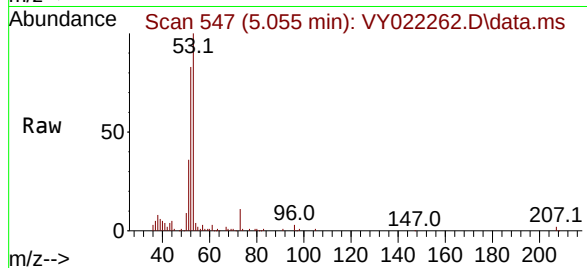
VY0515SBS01

Tgt Ion: 53	Resp: 6010
Ion Ratio	Lower Upper
53	100
52	82.0 66.1 99.1
51	38.7 30.0 45.0

Manual Integrations

APPROVED

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



#16

Acetone

Concen: 100.441 ug/l

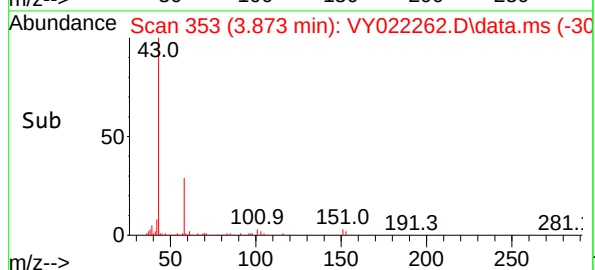
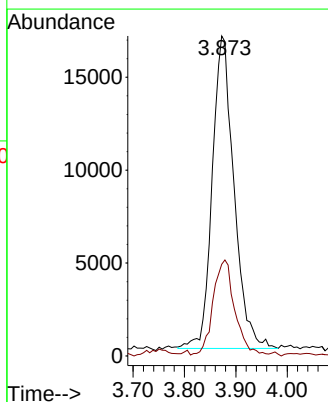
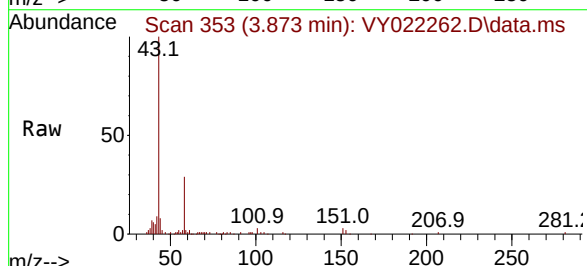
RT: 3.873 min Scan# 353

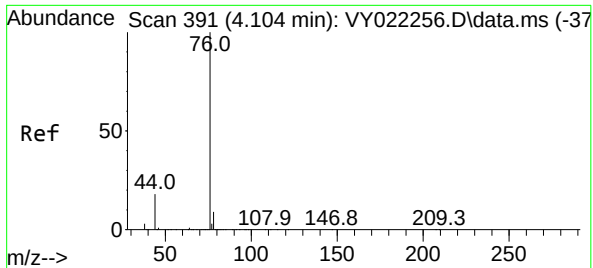
Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

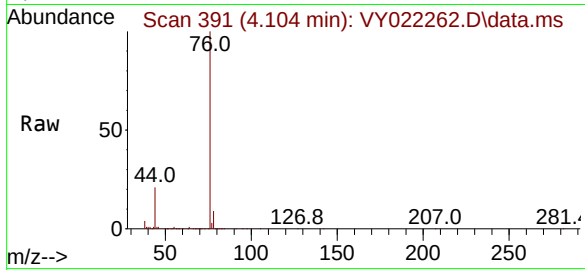
Tgt Ion: 43	Resp: 49514
Ion Ratio	Lower Upper
43	100
58	28.8 23.6 35.4





#17
Carbon Disulfide
Concen: 21.362 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

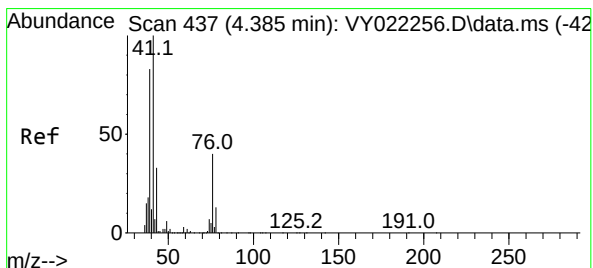
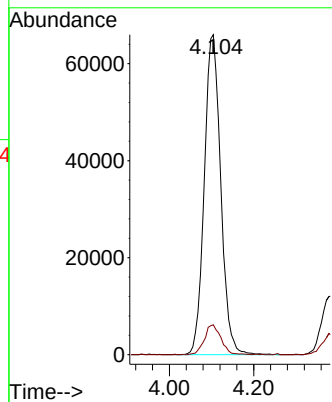
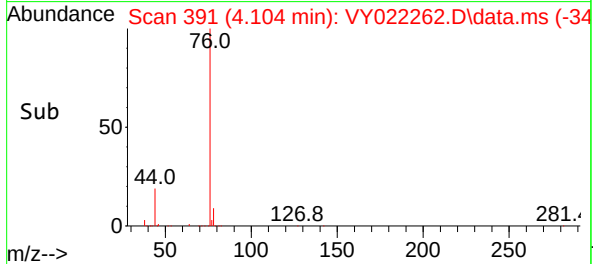
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



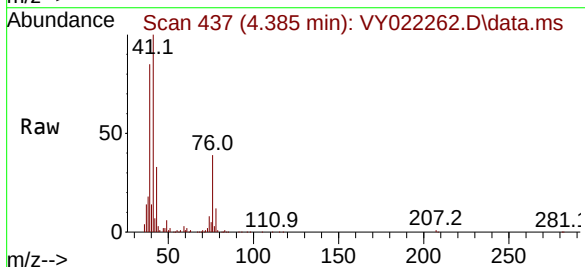
Tgt Ion: 76 Resp: 17924
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

Manual Integrations
APPROVED

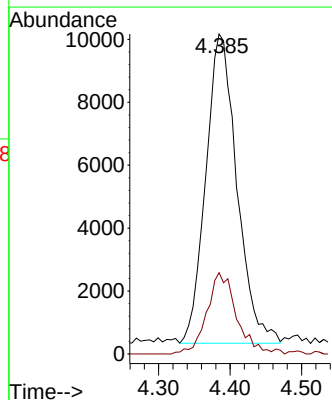
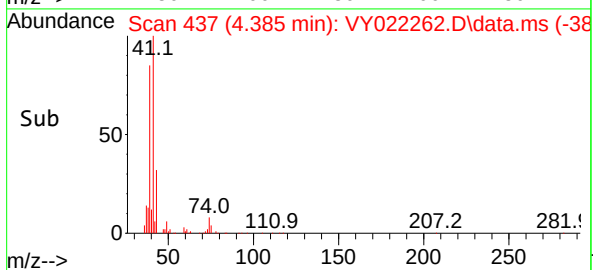
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

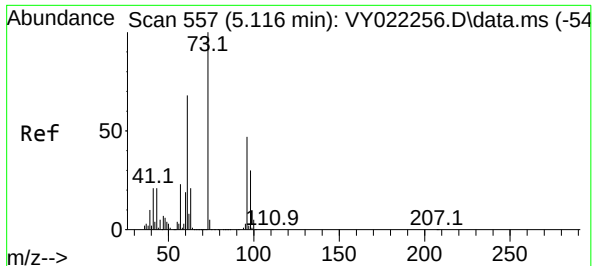


#18
Methyl Acetate
Concen: 19.136 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



Tgt Ion: 43 Resp: 29743
Ion Ratio Lower Upper
43 100
74 24.7 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 20.366 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 73 Resp: 144494

Ion Ratio Lower Upper

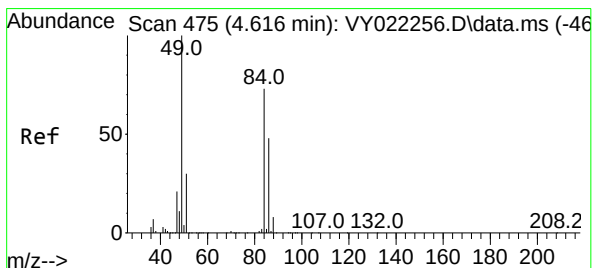
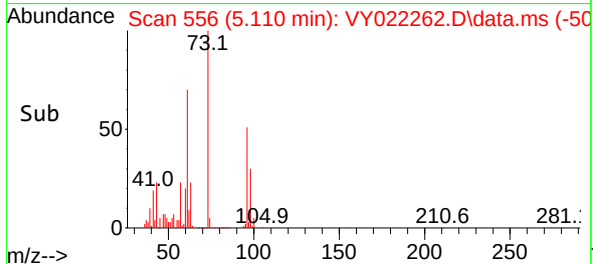
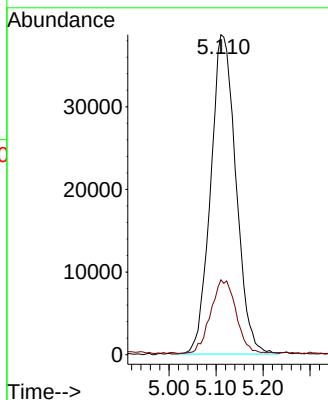
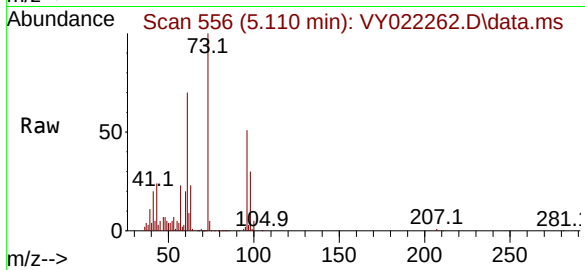
73 100

57 23.0 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: 21.261 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Tgt Ion: 84 Resp: 67724

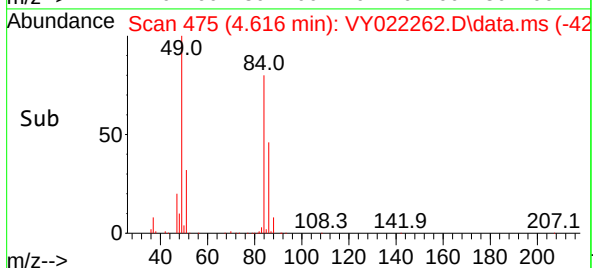
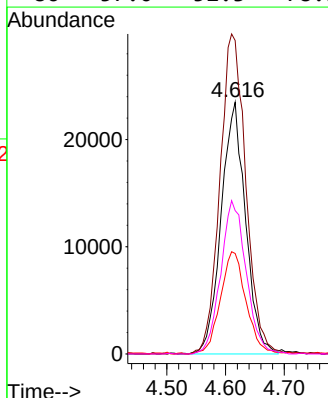
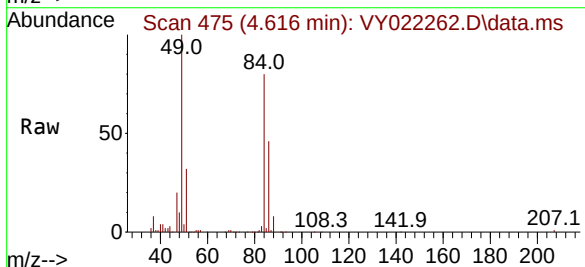
Ion Ratio Lower Upper

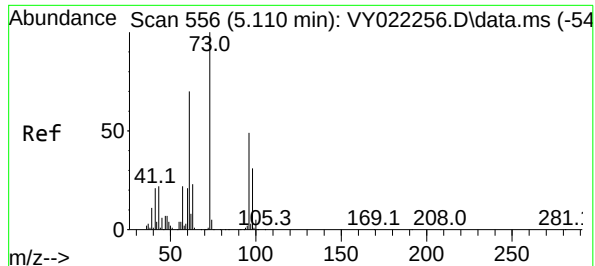
84 100

49 124.5 109.6 164.4

51 39.6 32.4 48.6

86 57.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.532 ug/l

RT: 5.110 min Scan# 556

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 96 Resp: 5831

Ion Ratio Lower Upper

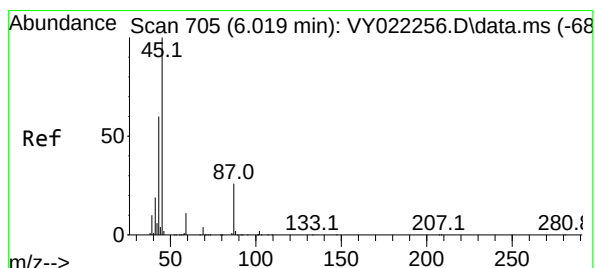
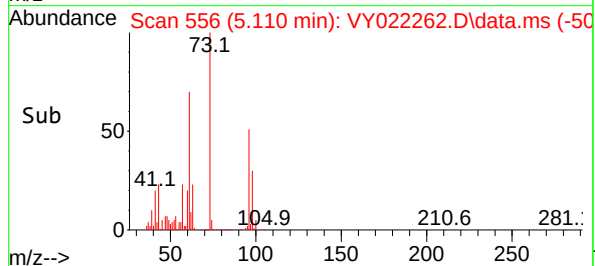
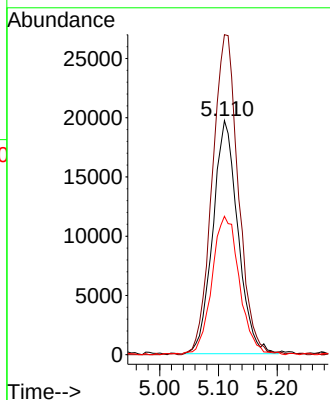
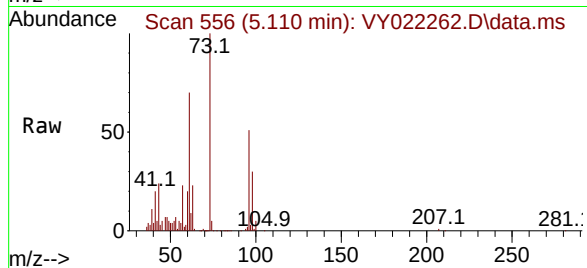
96 100

61 137.3 113.4 170.0

98 58.8 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: 20.615 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Tgt Ion: 45 Resp: 196421

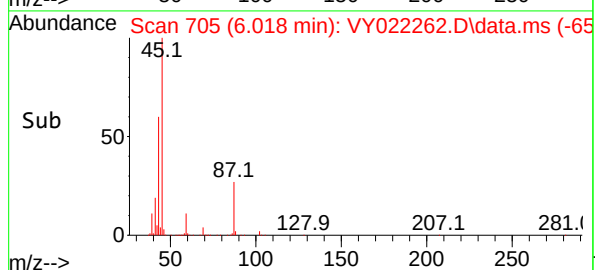
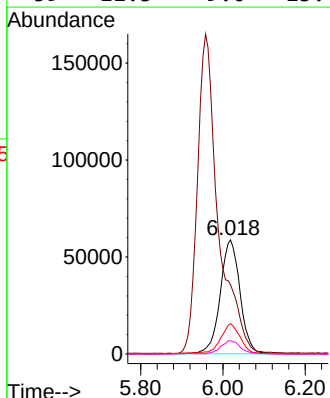
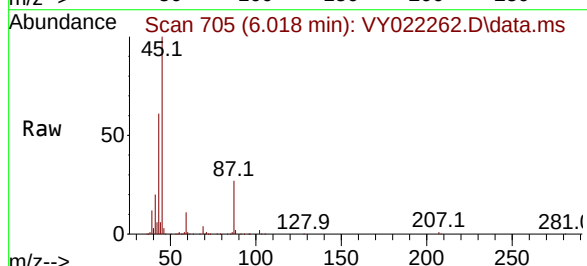
Ion Ratio Lower Upper

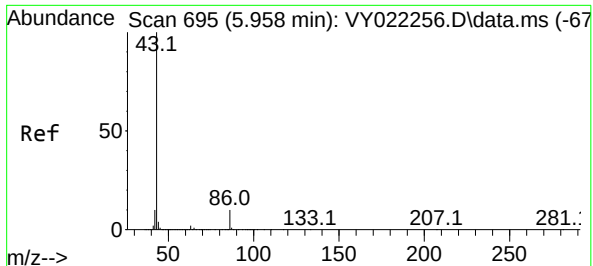
45 100

43 60.2 48.2 72.2

87 26.6 21.4 32.0

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 100.588 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022262.D

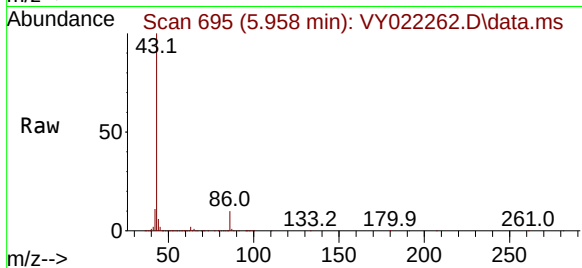
Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion: 43 Resp: 578998

Ion Ratio Lower Upper

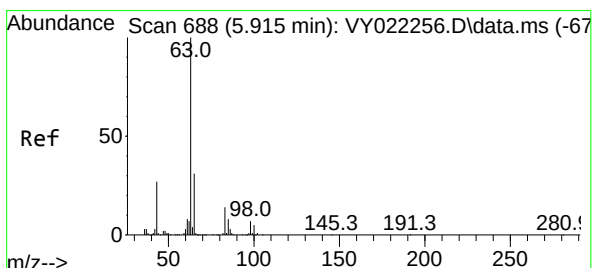
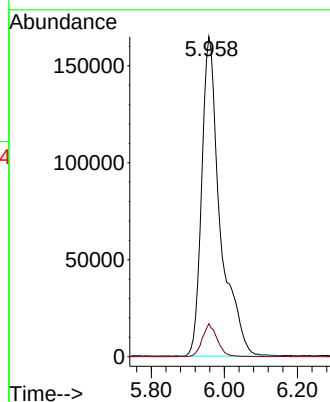
43 100

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

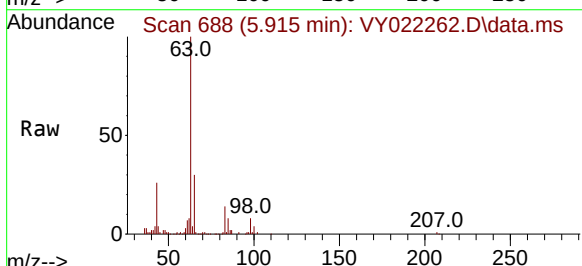
Concen: 20.749 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07



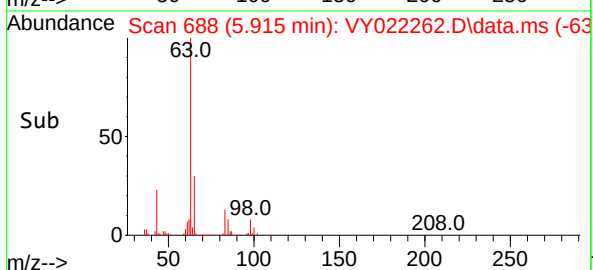
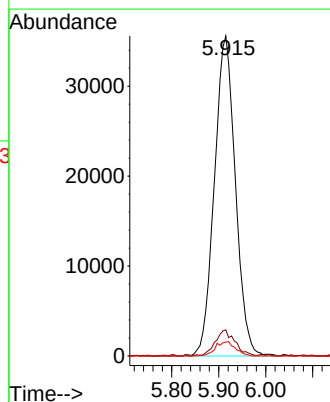
Tgt Ion: 63 Resp: 110449

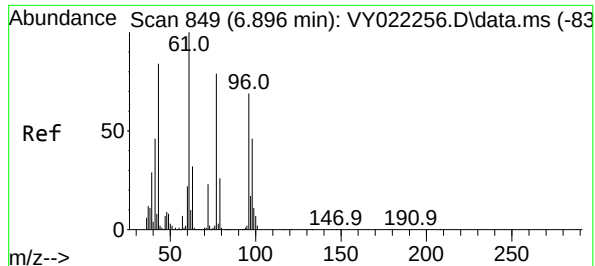
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 98.430 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 81164

Ion Ratio Lower Upper

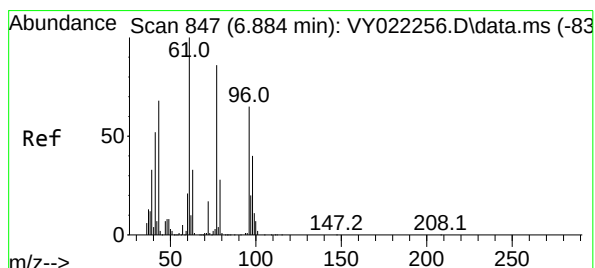
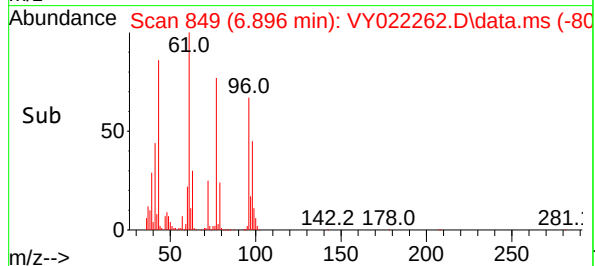
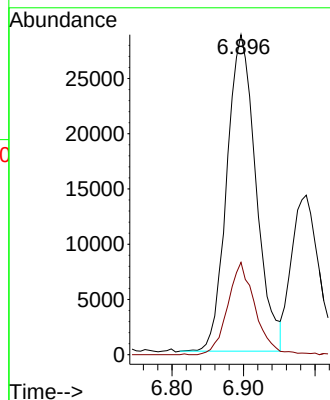
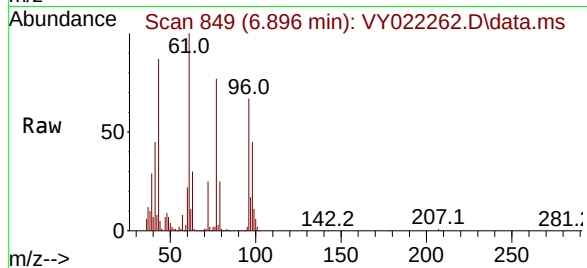
43 100

72 29.1 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: 20.897 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022262.D

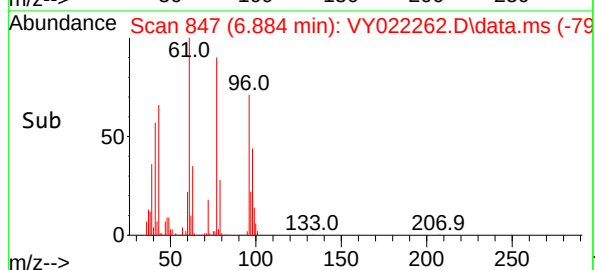
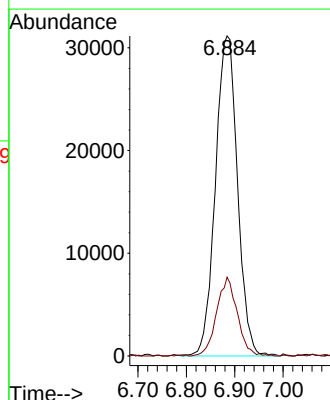
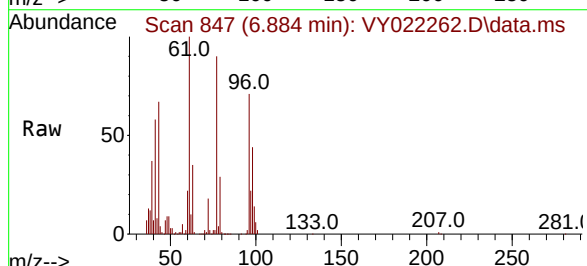
Acq: 15 May 2025 14:07

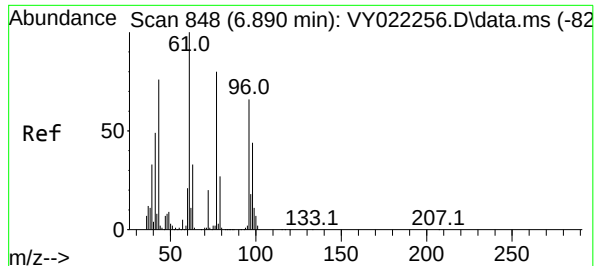
Tgt Ion: 77 Resp: 98935

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.875 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 96 Resp: 6841

Ion Ratio Lower Upper

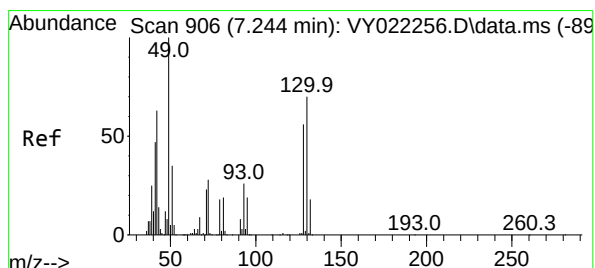
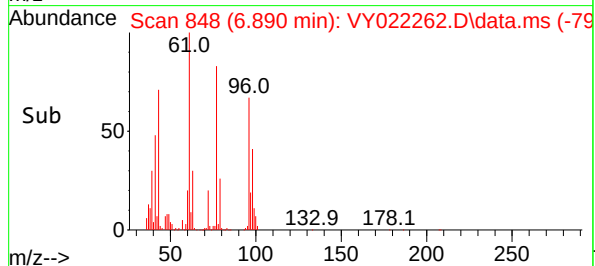
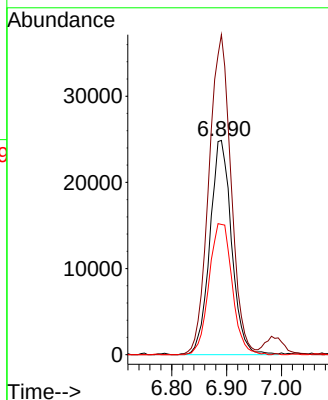
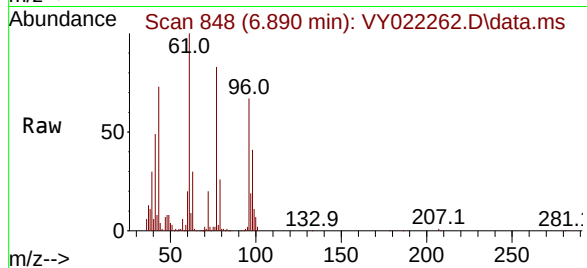
96 100

61 152.4 0.0 302.6

98 65.3 0.0 128.8

Manual Integrations

APPROVED

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

#28

Bromochloromethane

Concen: 20.868 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

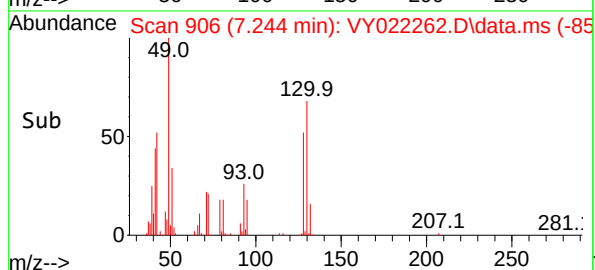
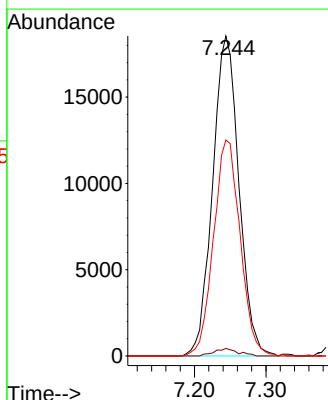
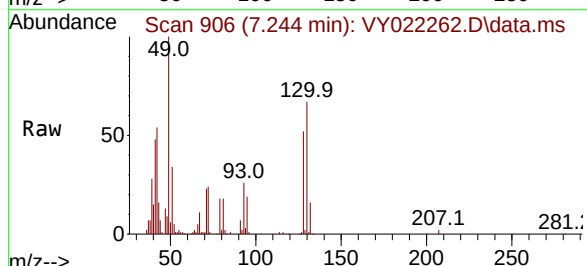
Tgt Ion: 49 Resp: 47380

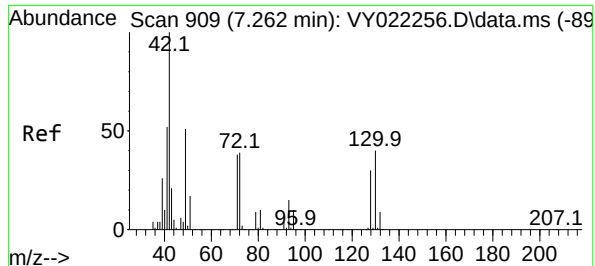
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.6

130 68.3 54.7 82.1





#29

Tetrahydrofuran

Concen: 102.386 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 42 Resp: 54310

Ion Ratio Lower Upper

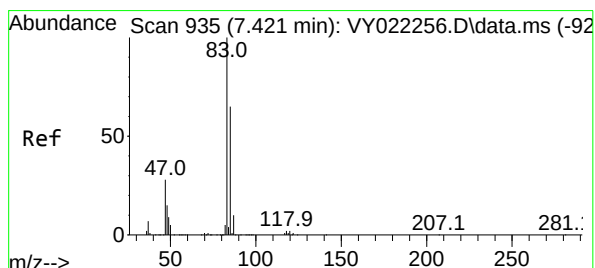
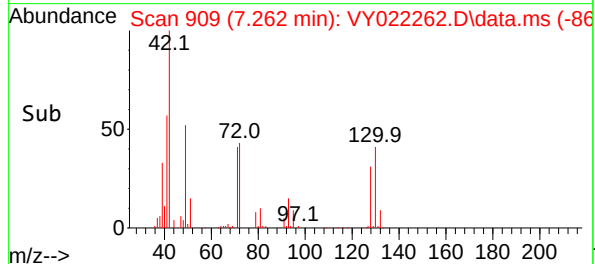
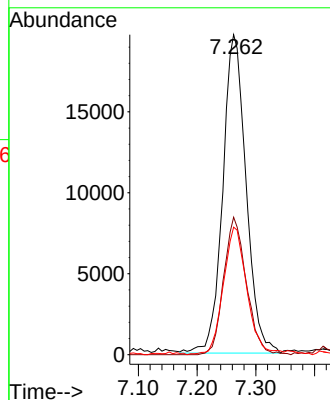
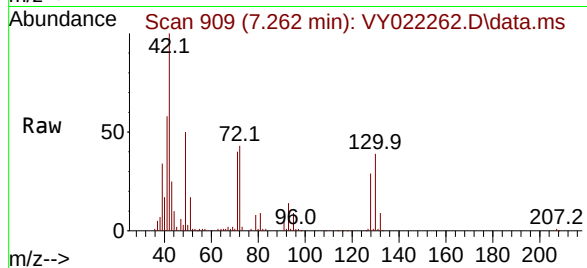
42 100

72 41.8 33.8 50.6

71 40.5 31.5 47.3

Manual Integrations

APPROVED

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

#30

Chloroform

Concen: 21.169 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022262.D

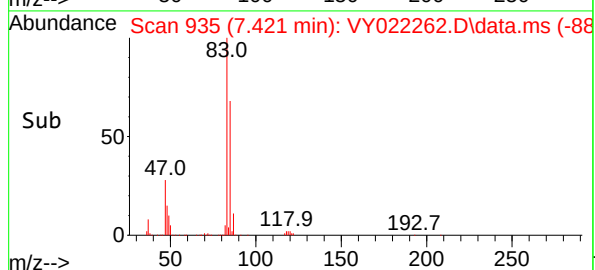
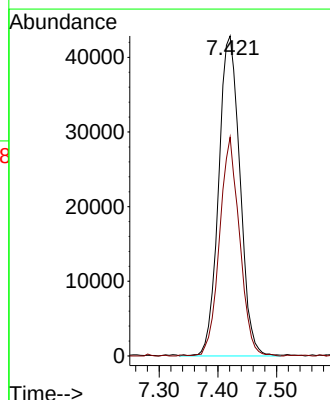
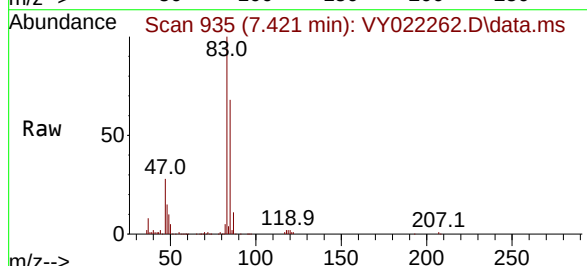
Acq: 15 May 2025 14:07

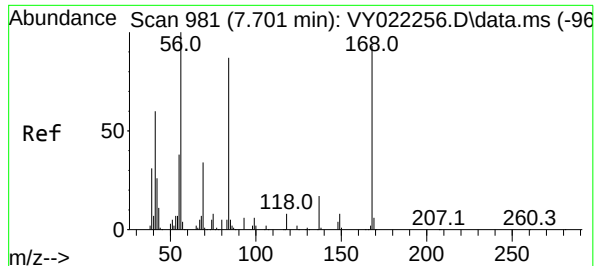
Tgt Ion: 83 Resp: 108086

Ion Ratio Lower Upper

83 100

85 68.4 51.8 77.8





#31

Cyclohexane

Concen: 21.025 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 56 Resp: 111819

Ion Ratio Lower Upper

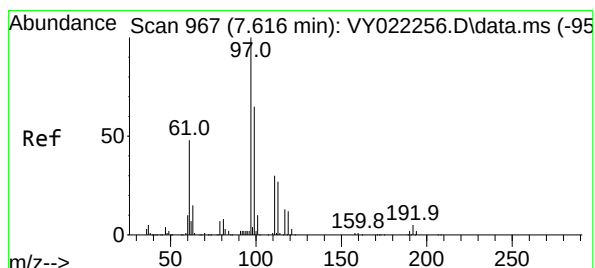
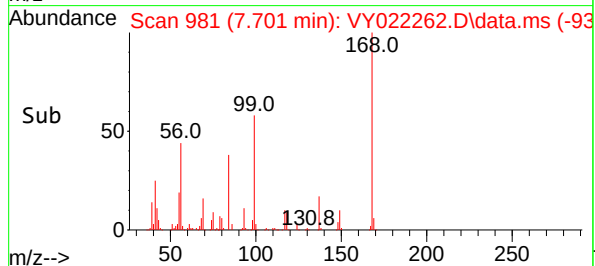
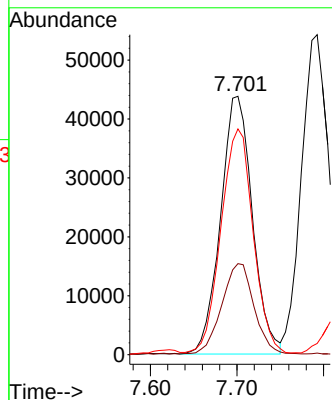
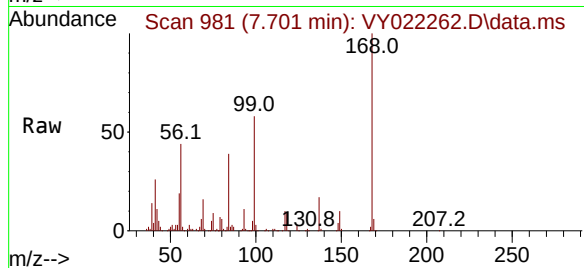
56 100

69 35.0 27.4 41.2

84 86.7 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: 21.056 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

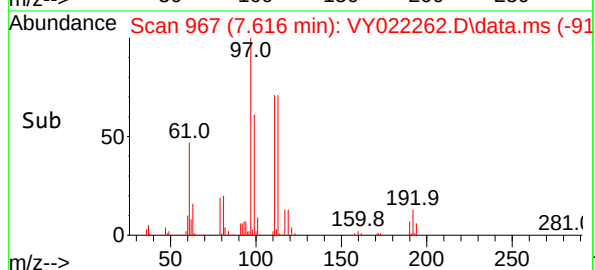
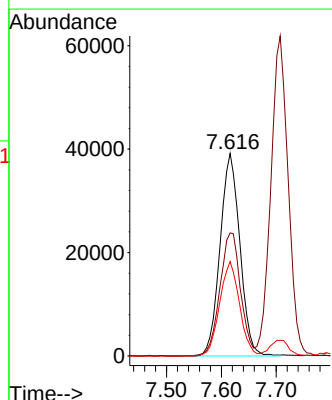
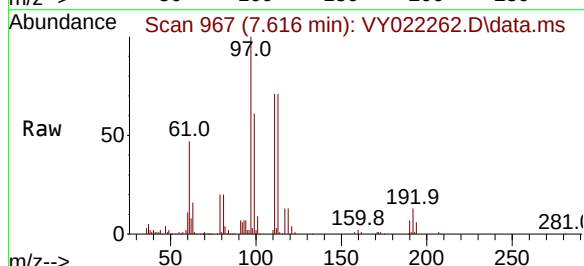
Tgt Ion: 97 Resp: 98630

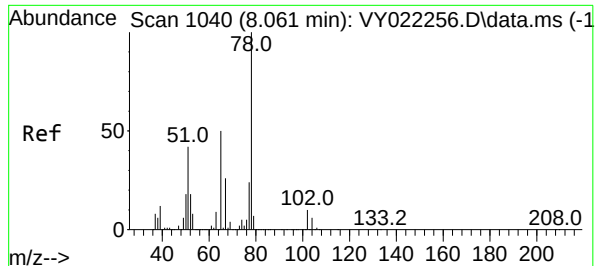
Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.0

61 46.6 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 51.178 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 65 Resp: 134549

Ion Ratio Lower Upper

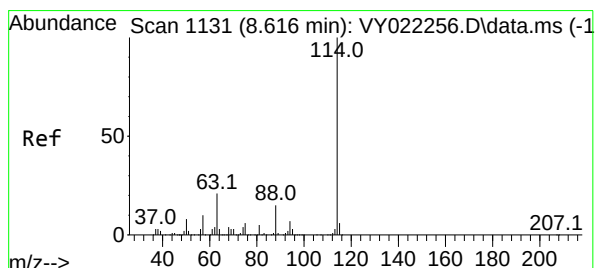
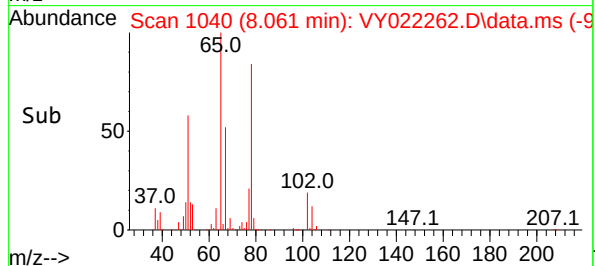
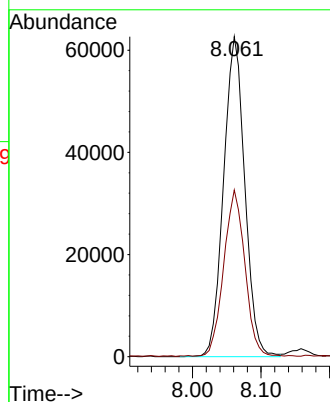
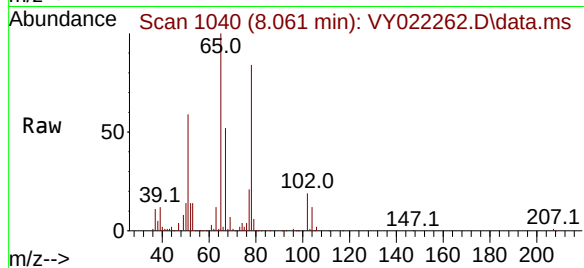
65 100

67 51.5 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: VY022262.D

Acq: 15 May 2025 14:07

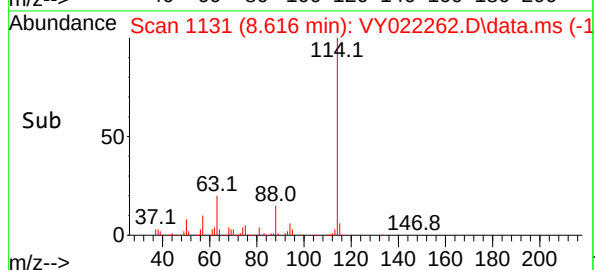
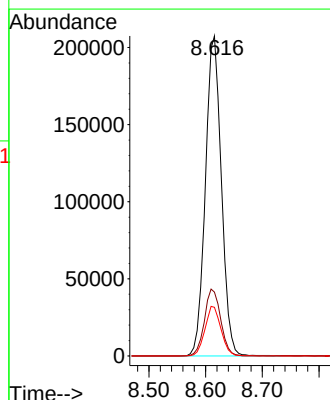
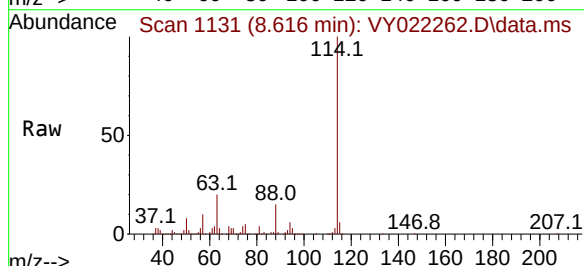
Tgt Ion:114 Resp: 405751

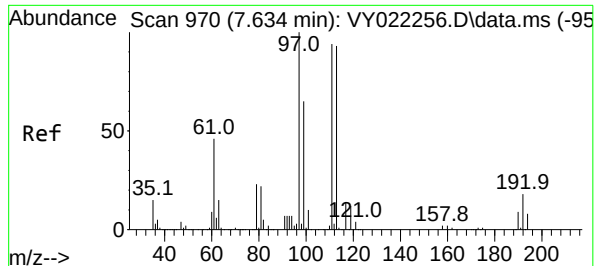
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 15.2 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.140 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion:113 Resp: 123849

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

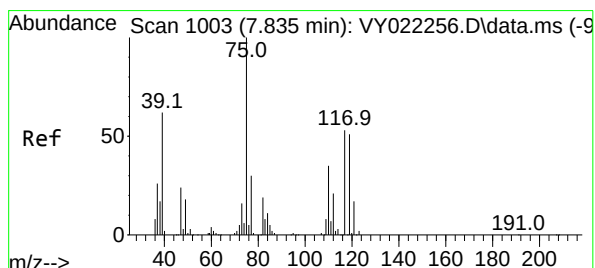
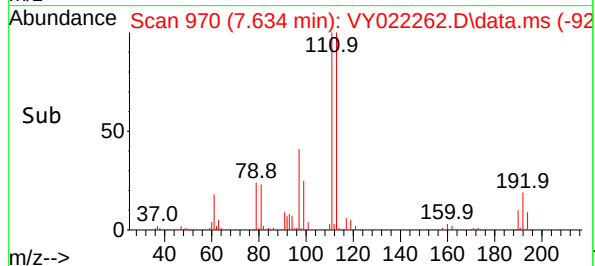
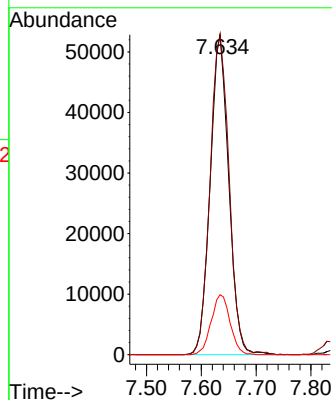
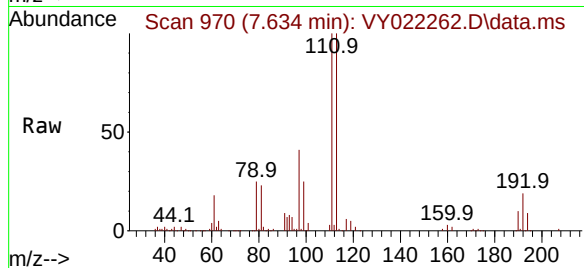
192 19.1 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 20.427 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

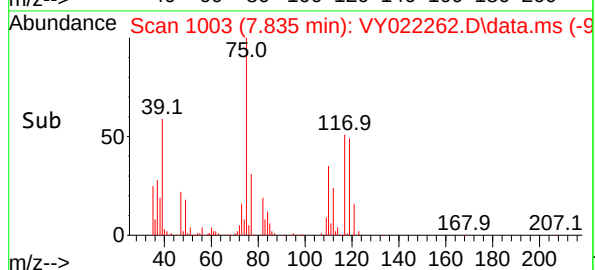
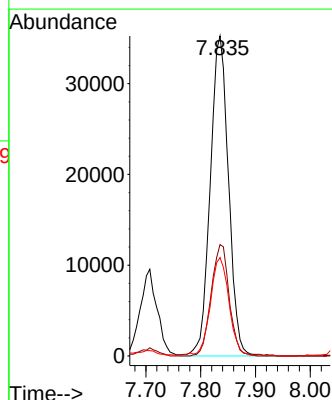
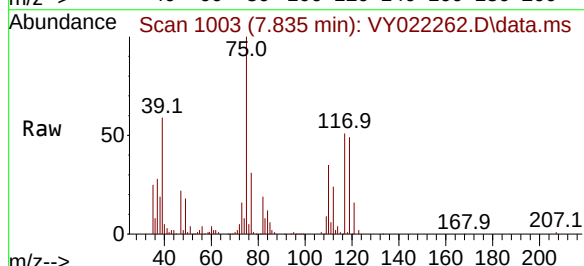
Tgt Ion: 75 Resp: 81482

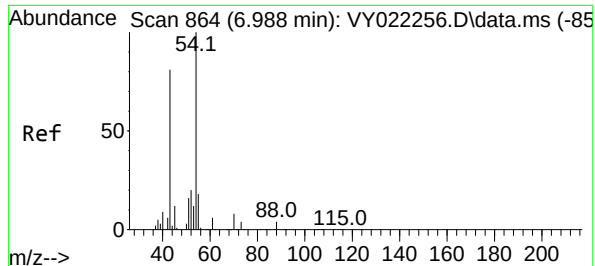
Ion Ratio Lower Upper

75 100

110 34.4 16.6 49.8

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 20.039 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 38460

Ion Ratio Lower Upper

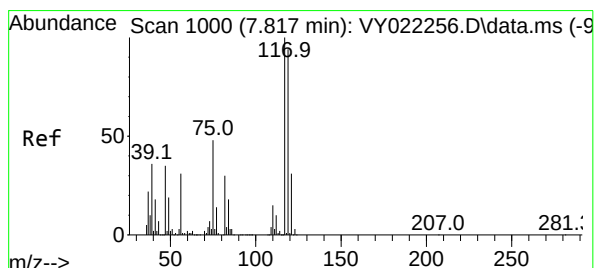
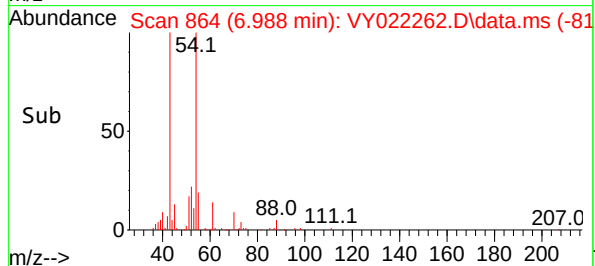
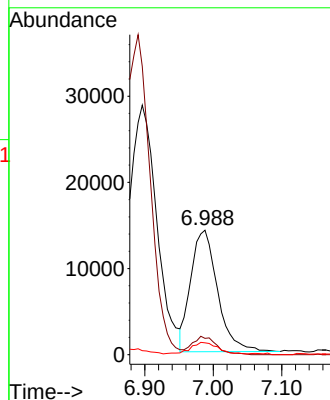
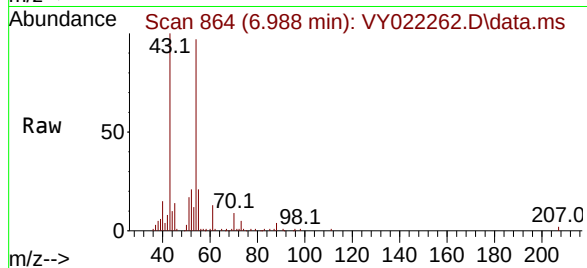
43 100

61 13.3 10.2 15.2

70 10.3 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: 20.354 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

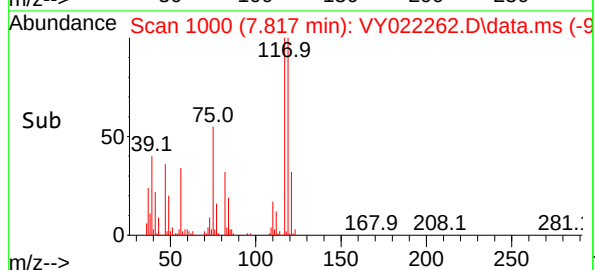
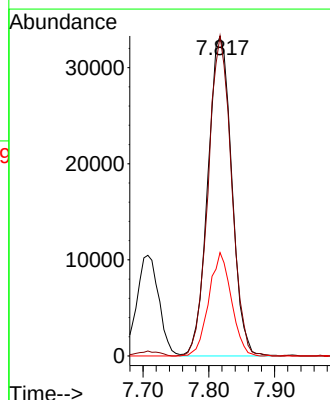
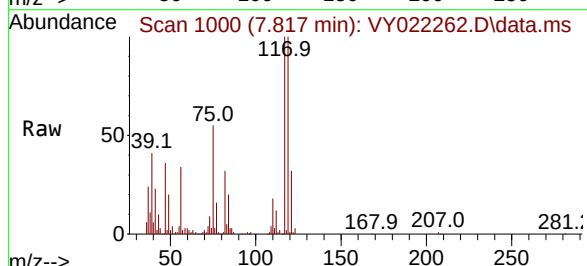
Tgt Ion:117 Resp: 84041

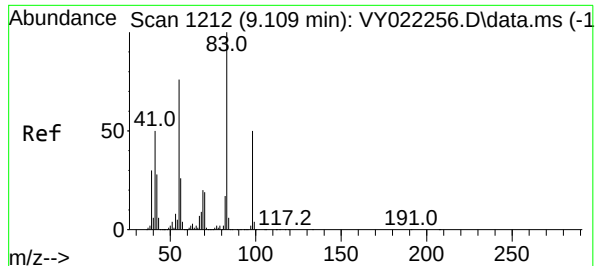
Ion Ratio Lower Upper

117 100

119 100.1 75.3 112.9

121 32.3 24.7 37.1





#39

Methylcyclohexane

Concen: 21.067 ug/l

RT: 9.109 min Scan# 11290

Delta R.T. 0.000 min

Lab File: VY022262.D

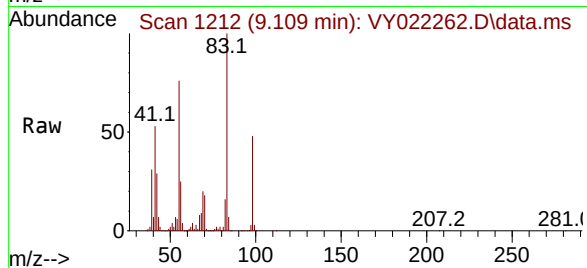
Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

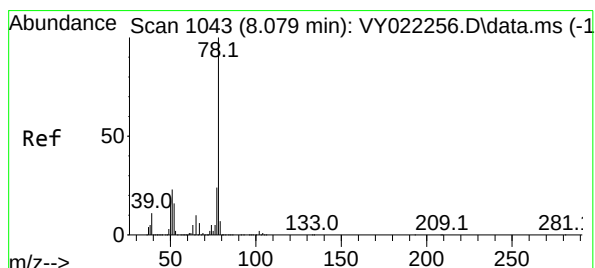
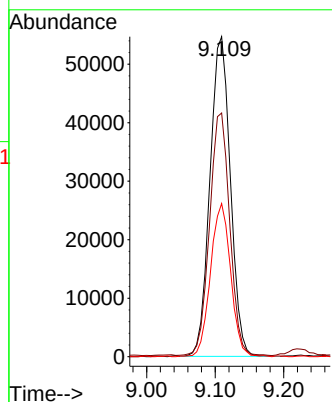
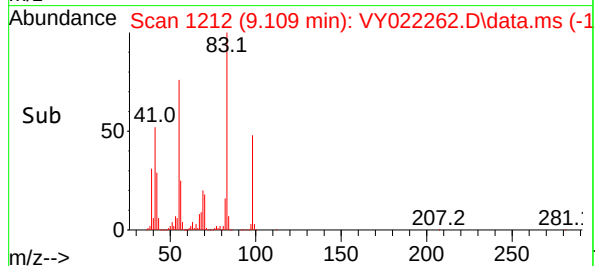


Tgt Ion:	83	Resp:	11290
Ion Ratio	Lower	Upper	
83	100		
55	75.8	60.6	90.8
98	47.7	40.0	60.0

Manual Integrations

APPROVED

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



#40

Benzene

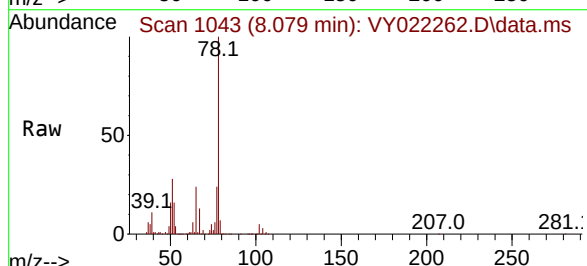
Concen: 20.784 ug/l

RT: 8.079 min Scan# 1043

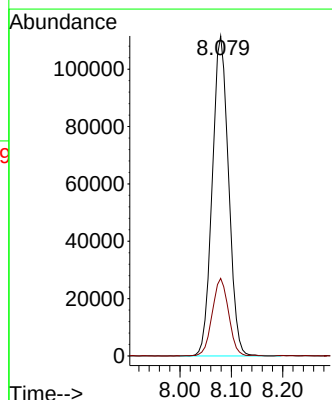
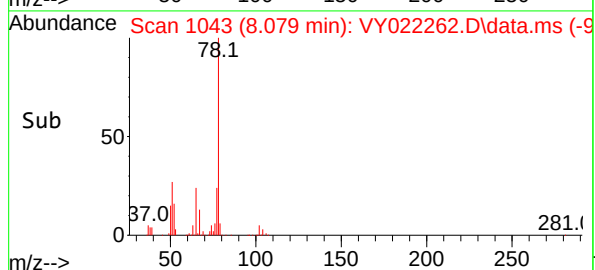
Delta R.T. 0.000 min

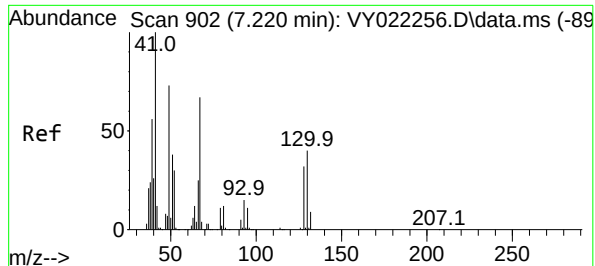
Lab File: VY022262.D

Acq: 15 May 2025 14:07



Tgt Ion:	78	Resp:	245775
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.9	28.3





#41

Methacrylonitrile

Concen: 20.468 ug/l m

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 41 Resp: 26058

Ion Ratio Lower Upper

41 100

39 43.2 39.1 58.7

67 65.4 47.1 70.7

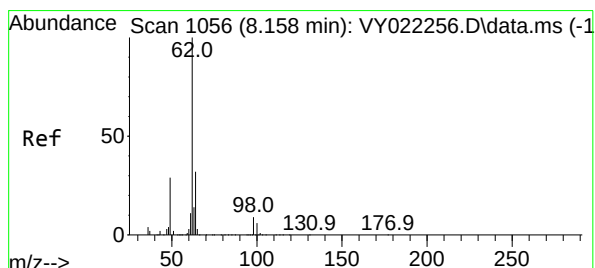
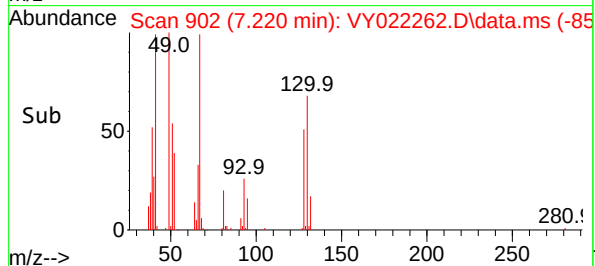
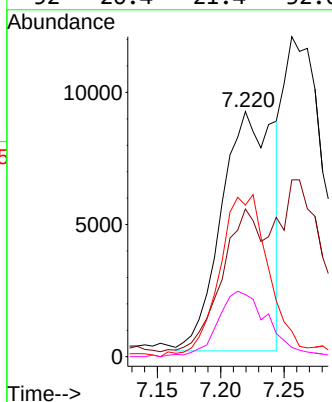
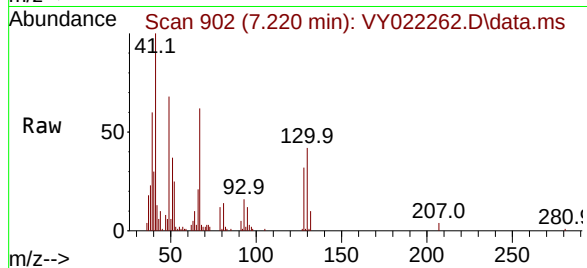
52 26.4 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#42

1,2-Dichloroethane

Concen: 20.399 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022262.D

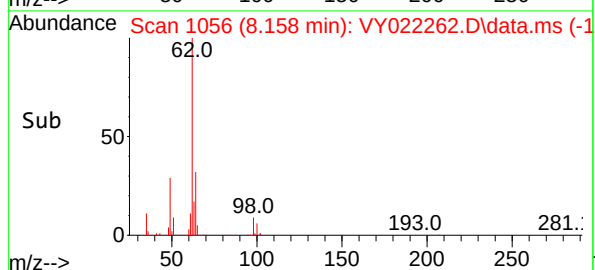
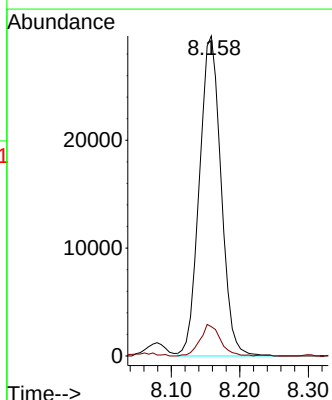
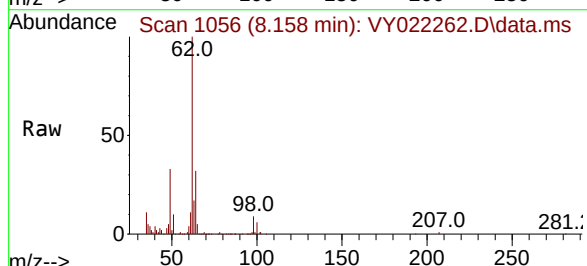
Acq: 15 May 2025 14:07

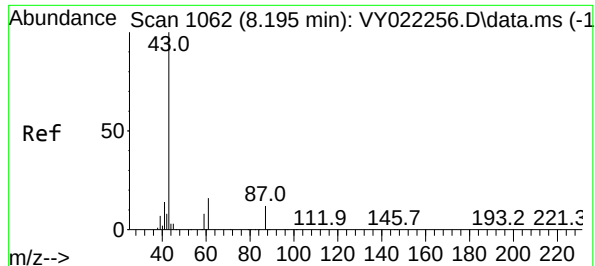
Tgt Ion: 62 Resp: 65234

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.763 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 8272

Ion Ratio Lower Upper

43 100

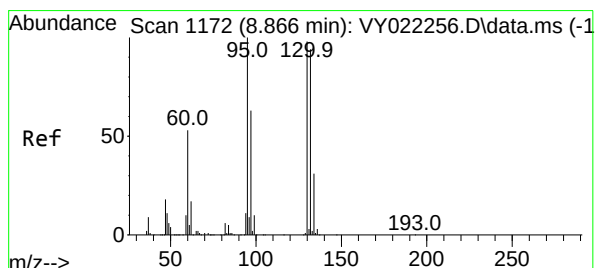
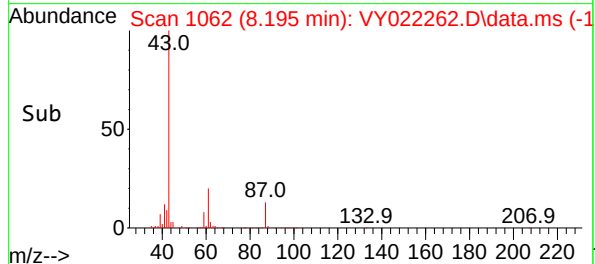
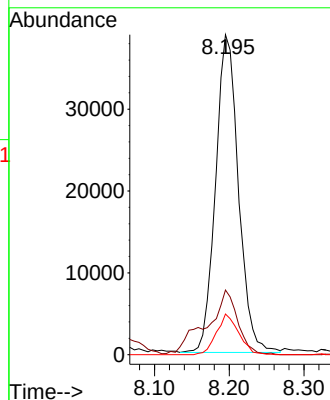
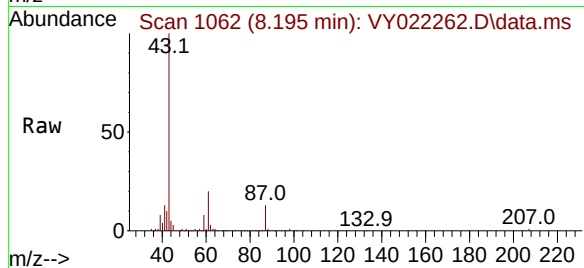
61 27.7 15.1 22.7

87 12.4 9.7 14.5

Manual Integrations

APPROVED

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



#44

Trichloroethene

Concen: 20.593 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022262.D

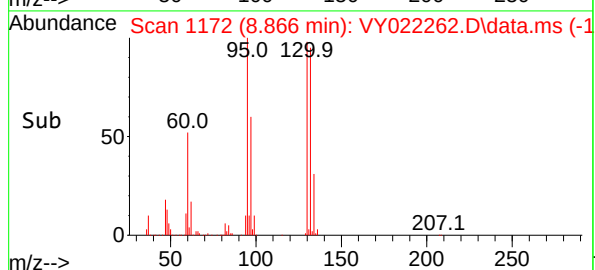
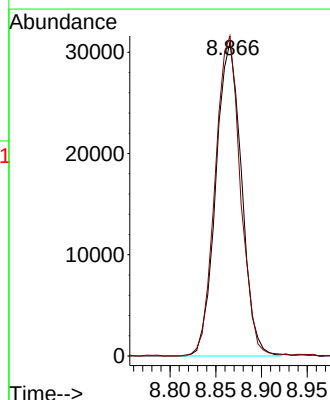
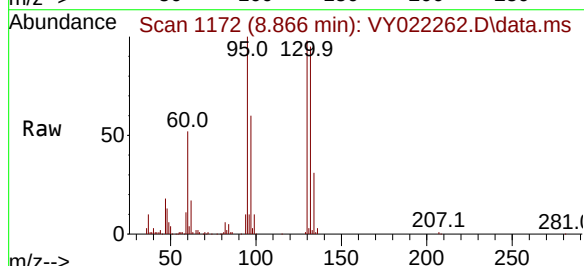
Acq: 15 May 2025 14:07

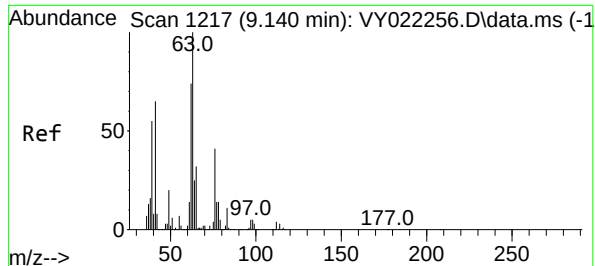
Tgt Ion:130 Resp: 60548

Ion Ratio Lower Upper

130 100

95 102.0 0.0 204.8





#45

1,2-Dichloropropane

Concen: 20.416 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 63 Resp: 5820

Ion Ratio Lower Upper

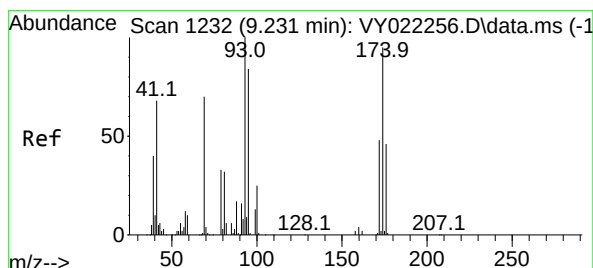
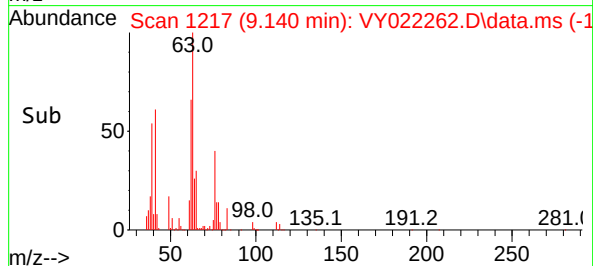
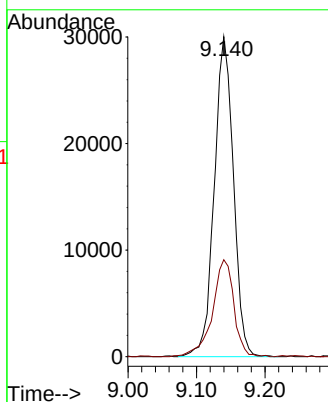
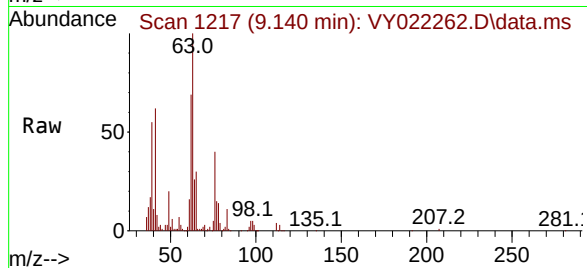
63 100

65 30.1 25.7 38.5

Manual Integrations

APPROVED

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



#46

Dibromomethane

Concen: 20.353 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

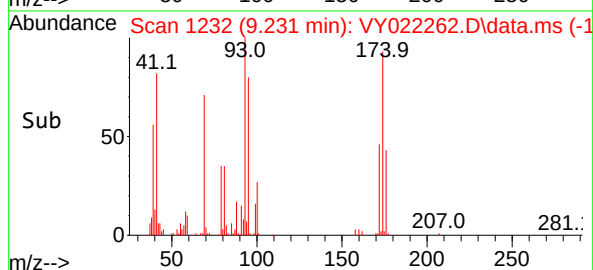
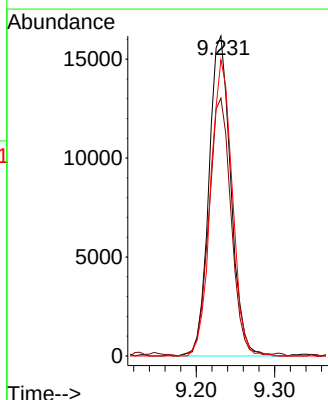
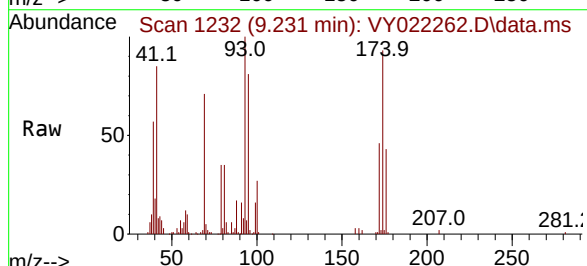
Tgt Ion: 93 Resp: 31296

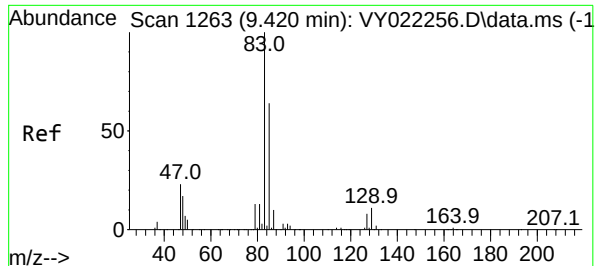
Ion Ratio Lower Upper

93 100

95 82.6 65.2 97.8

174 91.8 74.3 111.5





#47

Bromodichloromethane

Concen: 20.823 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

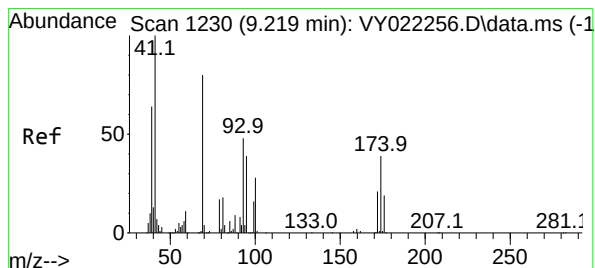
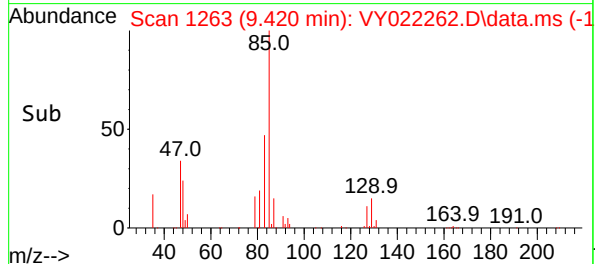
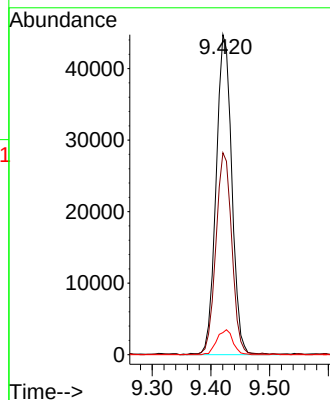
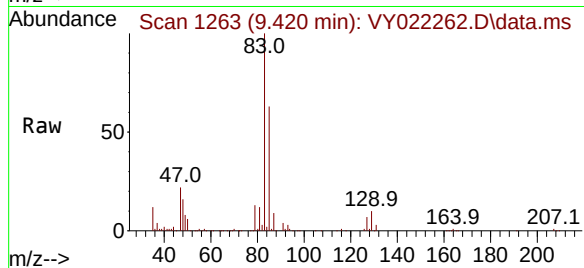
VY0515SBS01

Tgt Ion: 83	Resp: 8306
Ion Ratio	Lower Upper
83 100	
85 63.1	51.1 76.7
127 6.9	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: 19.803 ug/l

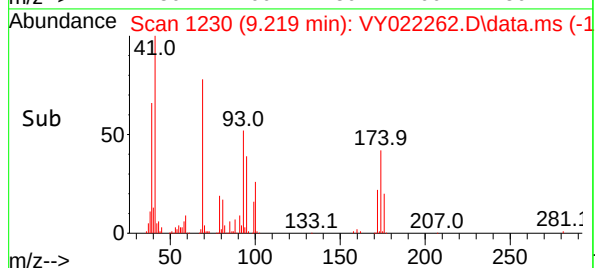
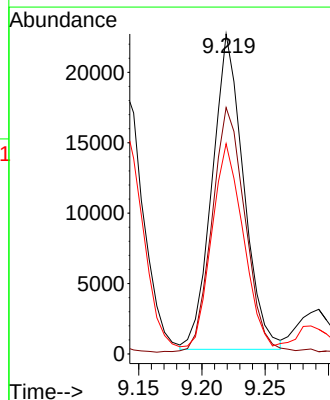
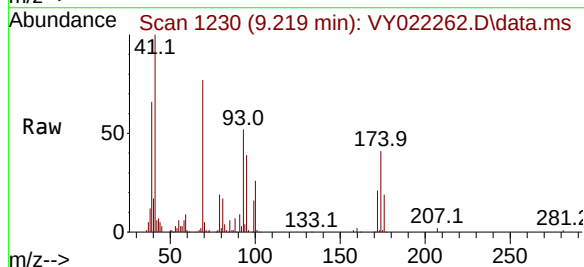
RT: 9.219 min Scan# 1230

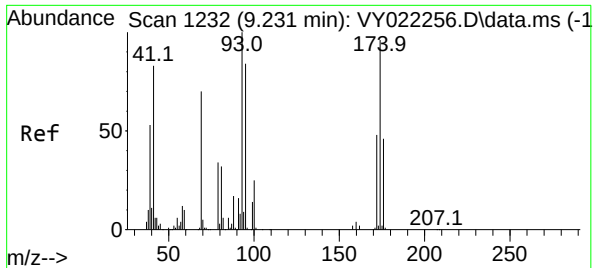
Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Tgt Ion: 41	Resp: 38763
Ion Ratio	Lower Upper
41 100	
69 81.9	63.5 95.3
39 64.6	50.8 76.2





#49

1,4-Dioxane

Concen: 392.199 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 88 Resp: 681

Ion Ratio Lower Upper

88 100

43 41.9 28.5 42.7

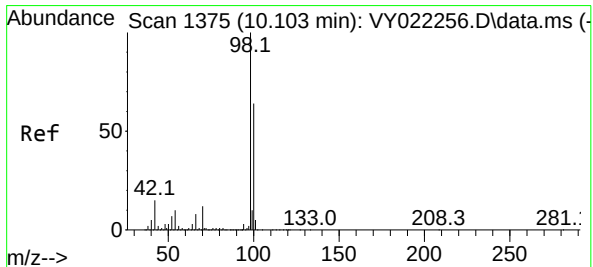
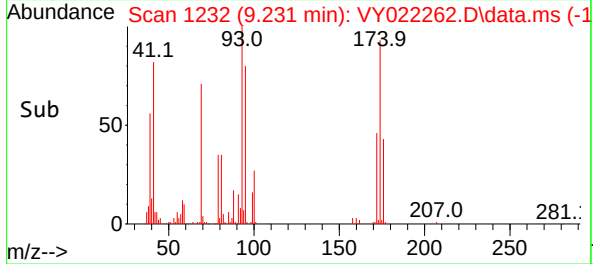
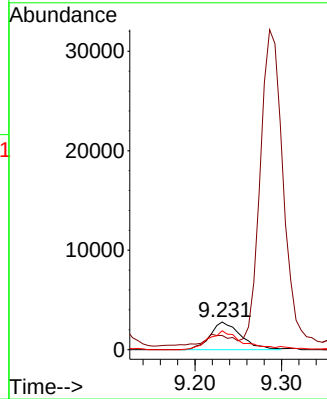
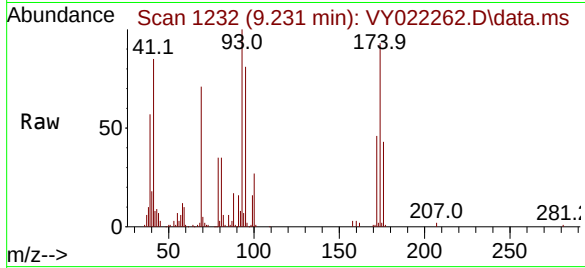
58 72.9 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#50

Toluene-d8

Concen: 51.282 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022262.D

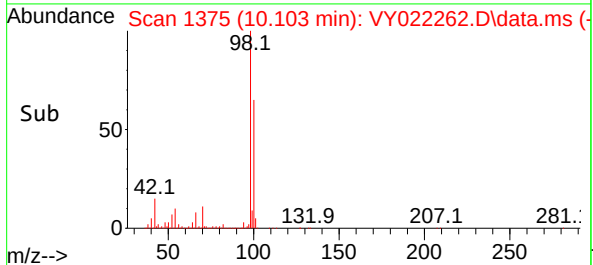
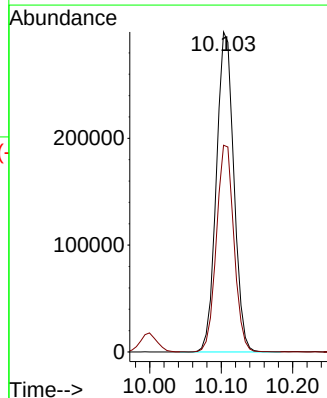
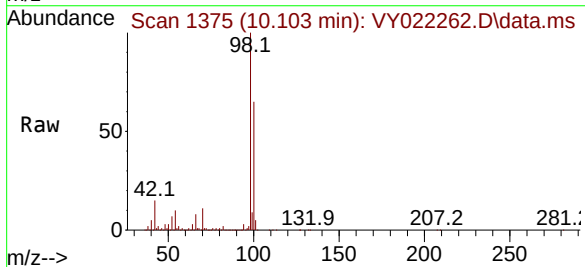
Acq: 15 May 2025 14:07

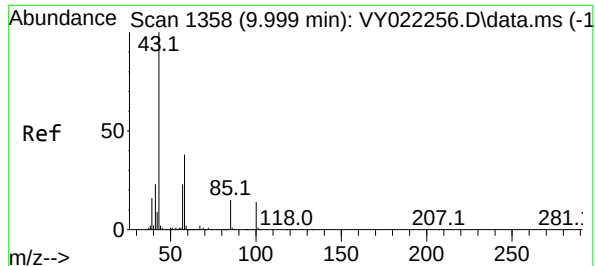
Tgt Ion: 98 Resp: 508643

Ion Ratio Lower Upper

98 100

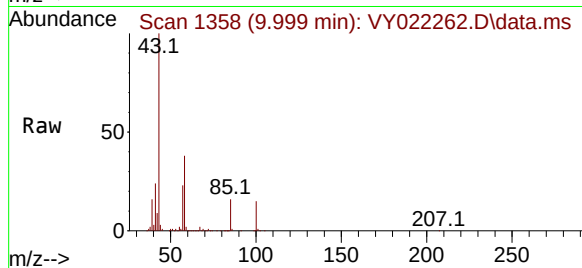
100 64.9 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 98.097 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

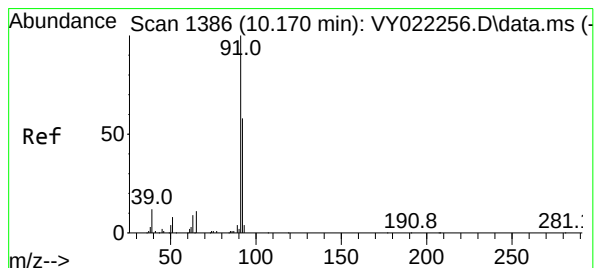
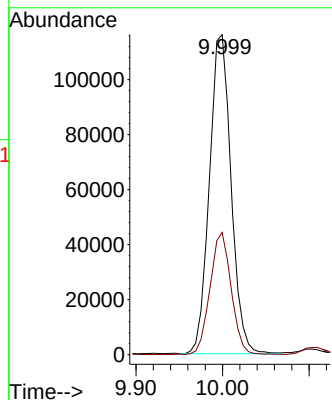
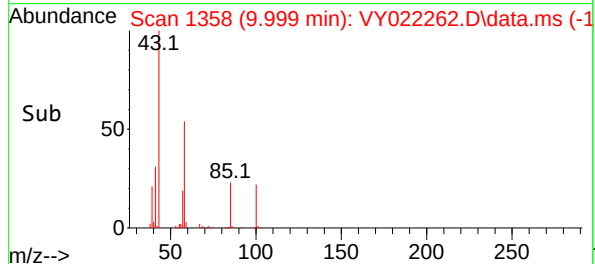
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 43 Resp: 201472
Ion Ratio Lower Upper
43 100
58 37.5 29.4 44.2

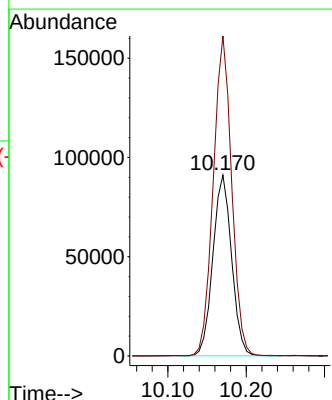
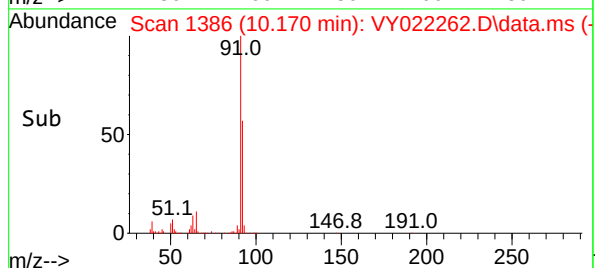
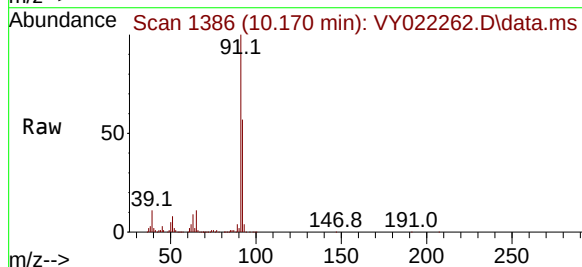
Manual Integrations
APPROVED

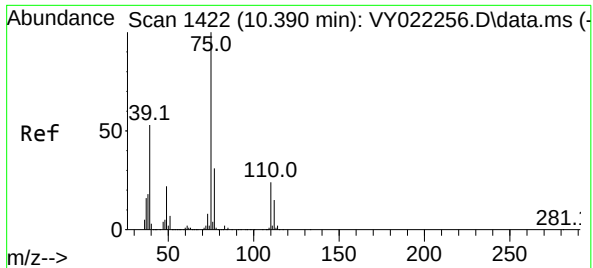
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 20.135 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

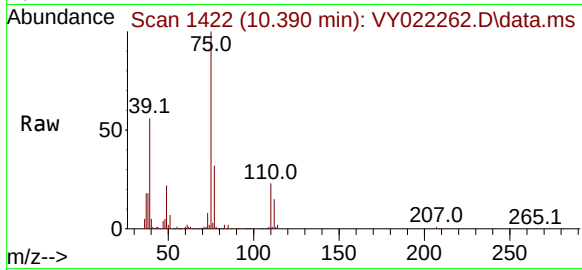
Tgt Ion: 92 Resp: 150777
Ion Ratio Lower Upper
92 100
91 174.3 139.1 208.7





#53
 t-1,3-Dichloropropene
 Concen: 19.893 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07

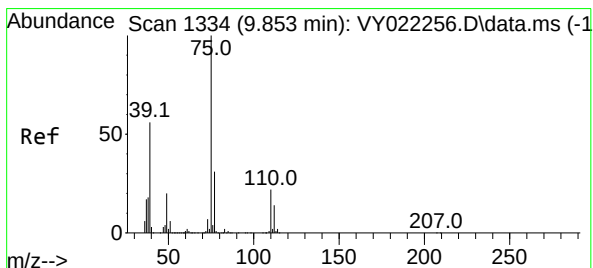
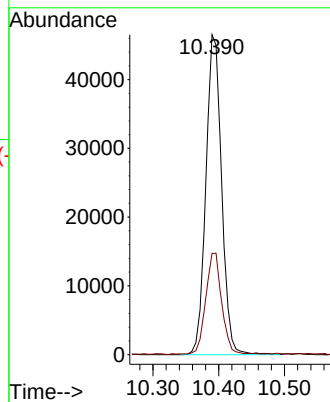
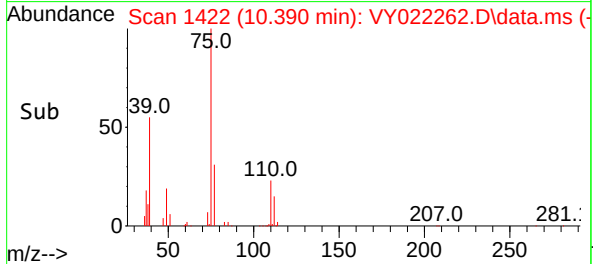
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01



Tgt Ion: 75 Resp: 7744
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6

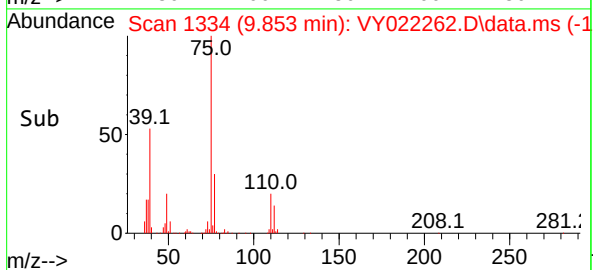
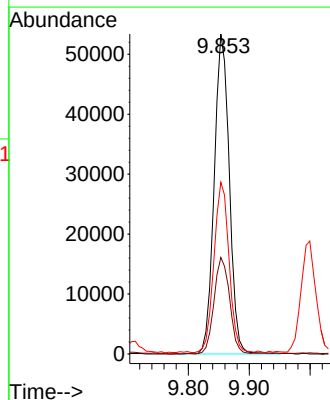
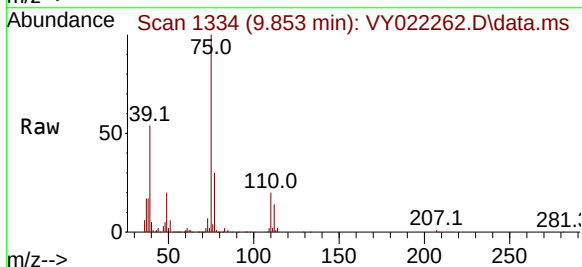
Manual Integrations
 APPROVED

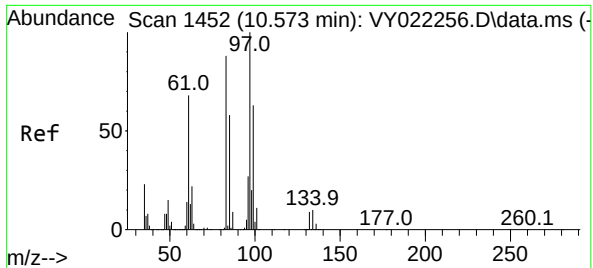
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#54
 cis-1,3-Dichloropropene
 Concen: 20.623 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07

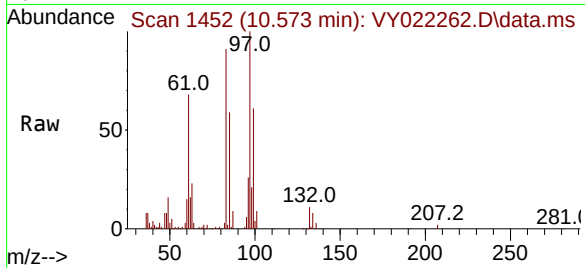
Tgt Ion: 75 Resp: 91983
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.1 37.7
 39 53.0 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 20.190 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

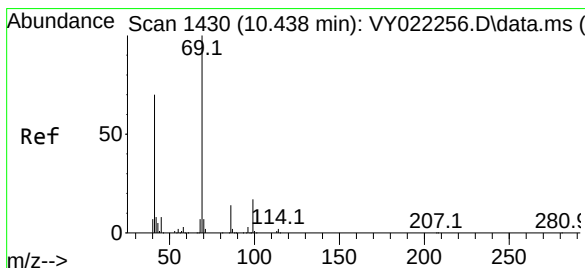
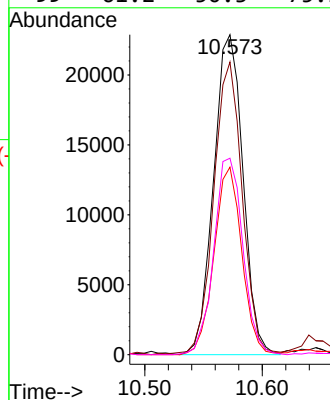
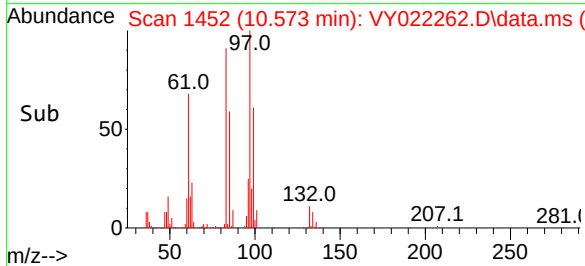
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



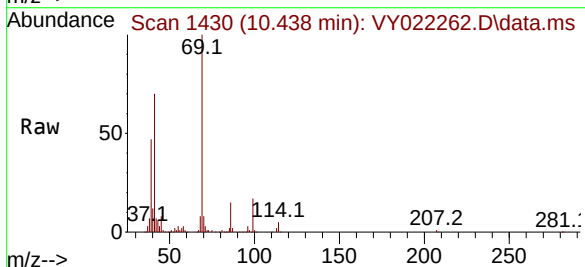
Tgt Ion: 97 Resp: 3975
Ion Ratio Lower Upper
97 100
83 90.8 70.3 105.5
85 58.6 46.2 69.4
99 61.2 50.3 75.5

Manual Integrations
APPROVED

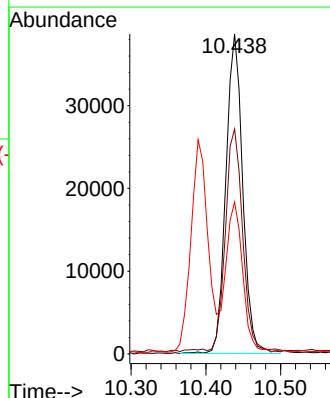
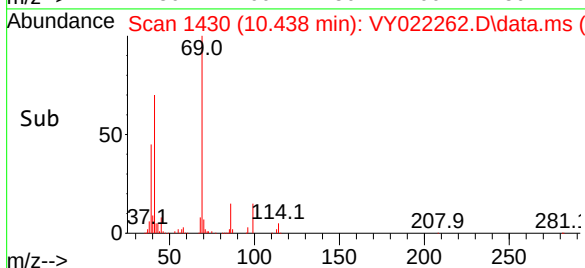
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

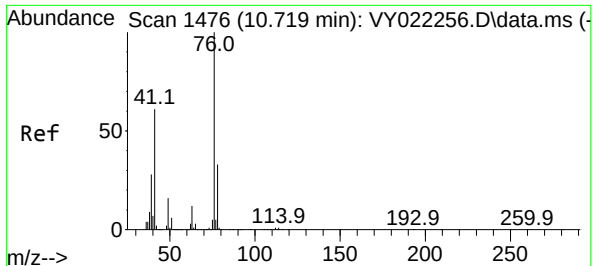


#56
Ethyl methacrylate
Concen: 19.707 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



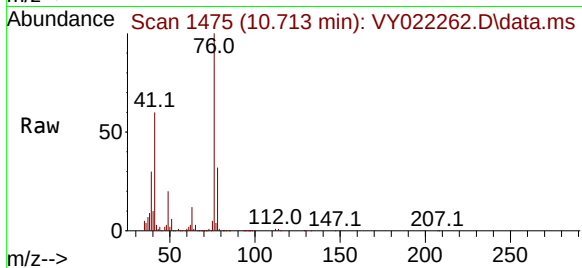
Tgt Ion: 69 Resp: 60445
Ion Ratio Lower Upper
69 100
41 70.4 56.5 84.7
39 47.1 37.1 55.7





#57
1,3-Dichloropropane
Concen: 20.284 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

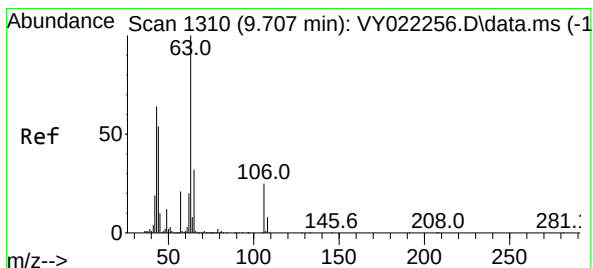
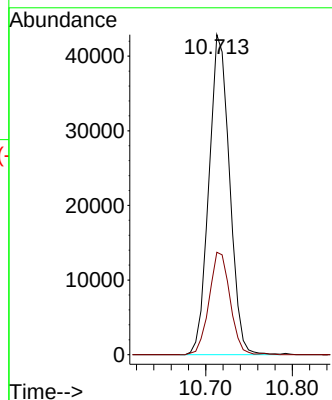
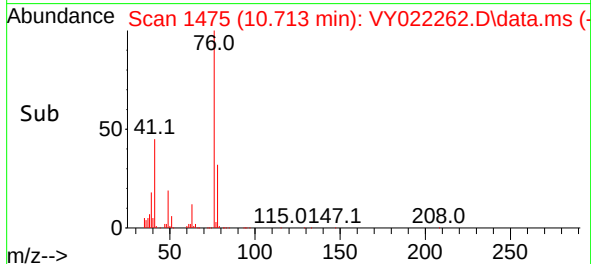
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



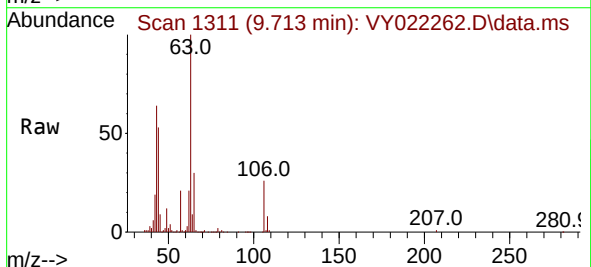
Tgt Ion: 76 Resp: 70964
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

Manual Integrations
APPROVED

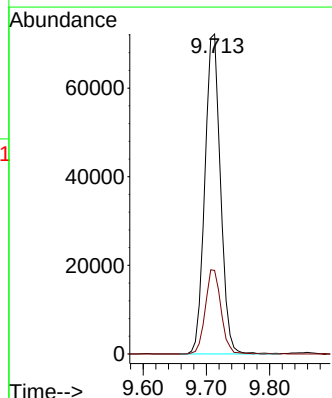
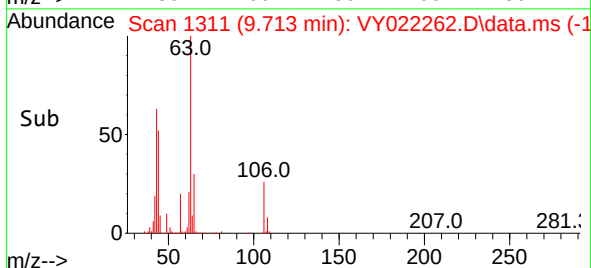
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

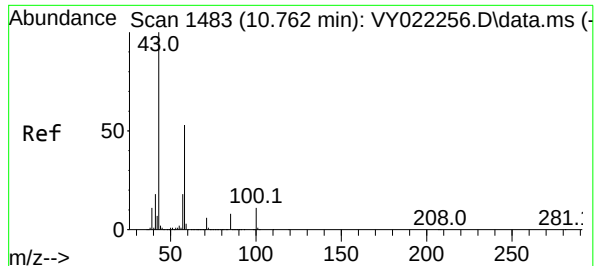


#58
2-Chloroethyl Vinyl ether
Concen: 90.134 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



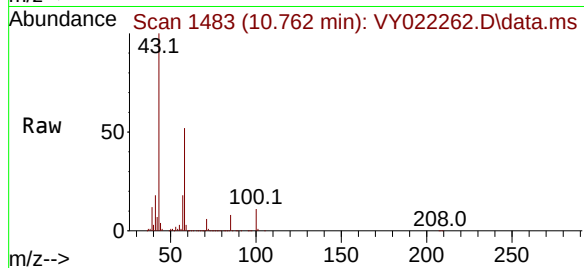
Tgt Ion: 63 Resp: 124088
Ion Ratio Lower Upper
63 100
106 26.5 21.0 31.4





#59
2-Hexanone
Concen: 96.437 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

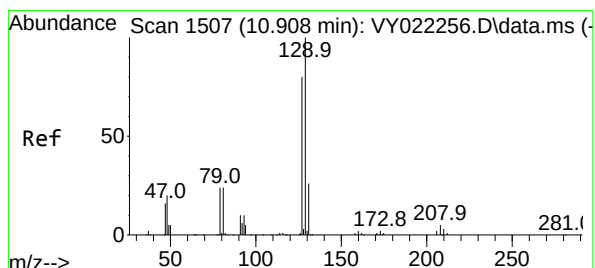
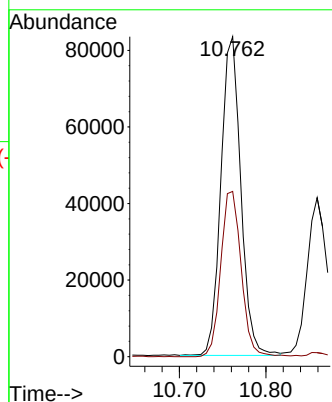
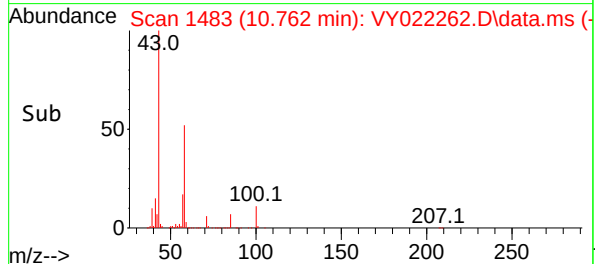
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



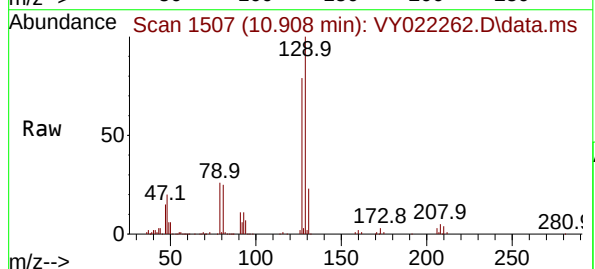
Tgt Ion: 43 Resp: 132798
Ion Ratio Lower Upper
43 100
58 53.4 26.1 78.3

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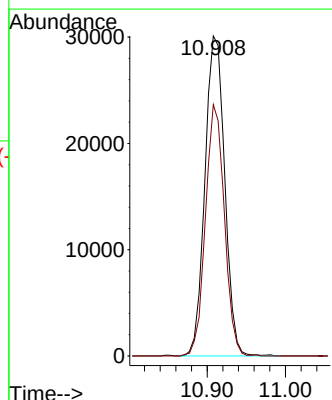
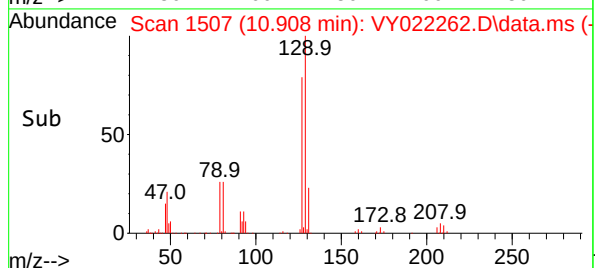
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

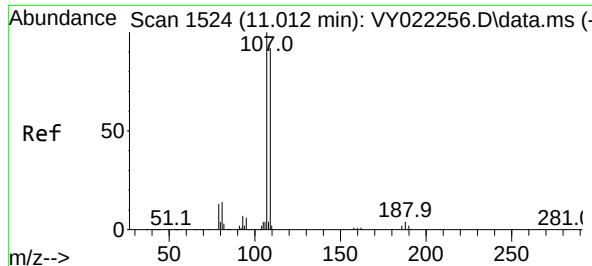


#60
Dibromochloromethane
Concen: 20.662 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



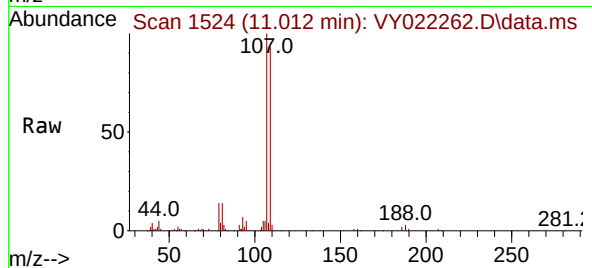
Tgt Ion:129 Resp: 52808
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.089 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

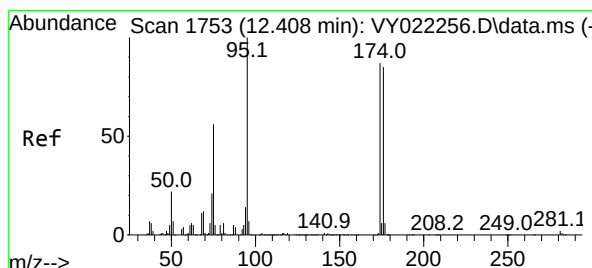
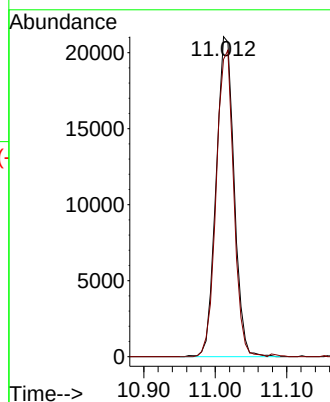
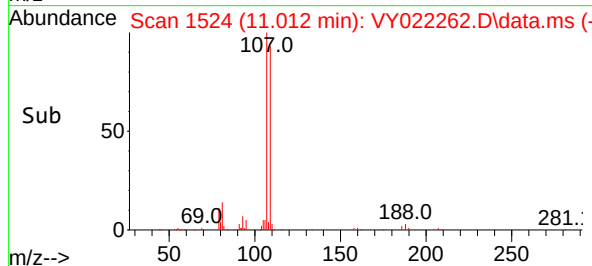
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:107 Resp: 3686
Ion Ratio Lower Upper
107 100
109 93.1 74.6 111.8

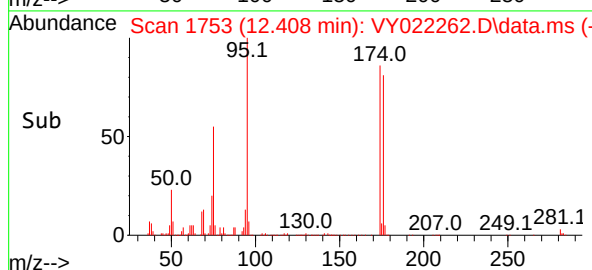
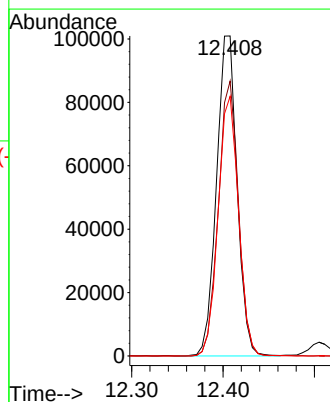
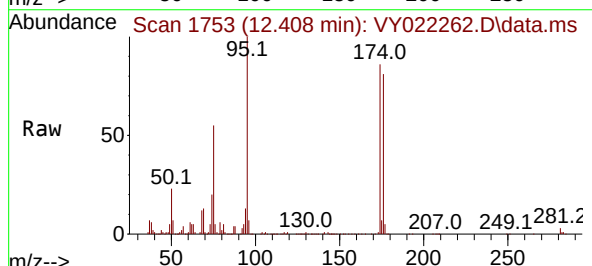
Manual Integrations
APPROVED

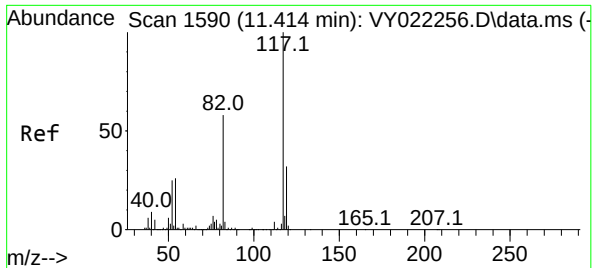
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

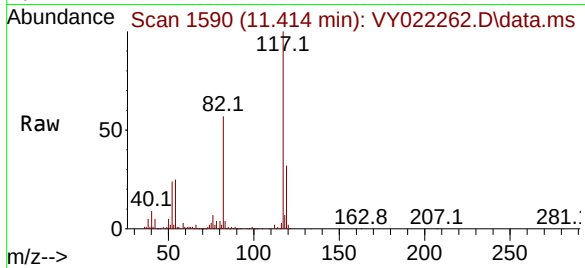
Tgt Ion: 95 Resp: 157889
Ion Ratio Lower Upper
95 100
174 84.0 0.0 166.8
176 80.6 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

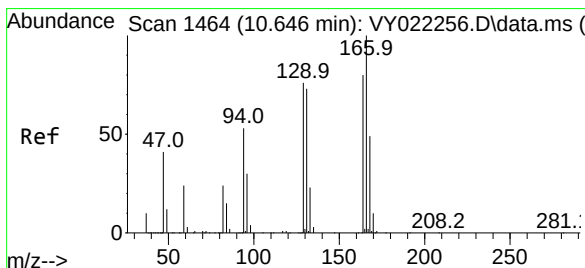
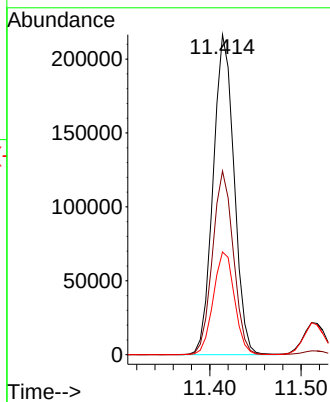
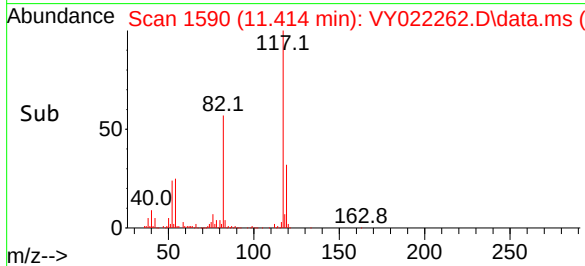
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



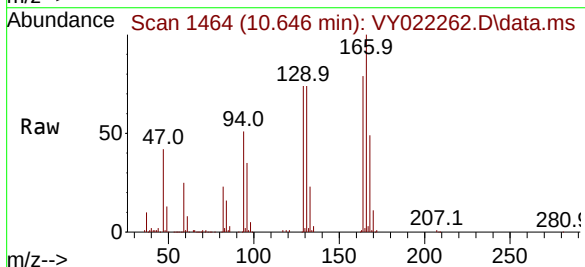
Tgt Ion:117 Resp: 344872
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 32.1 25.8 38.6

Manual Integrations
APPROVED

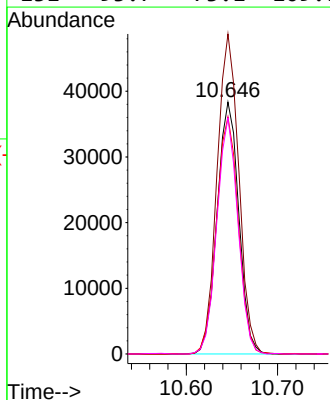
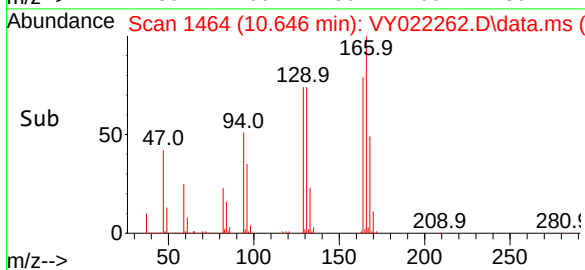
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

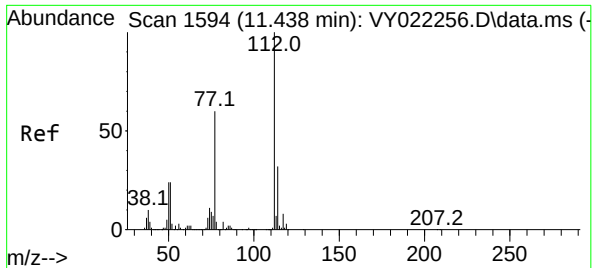


#64
Tetrachloroethene
Concen: 19.886 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



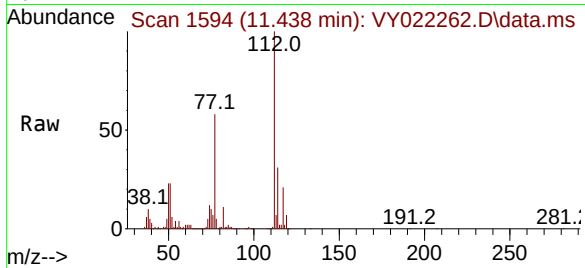
Tgt Ion:164 Resp: 63391
Ion Ratio Lower Upper
164 100
166 127.1 100.4 150.6
129 94.1 76.4 114.6
131 93.7 73.1 109.7





#65
Chlorobenzene
Concen: 20.297 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

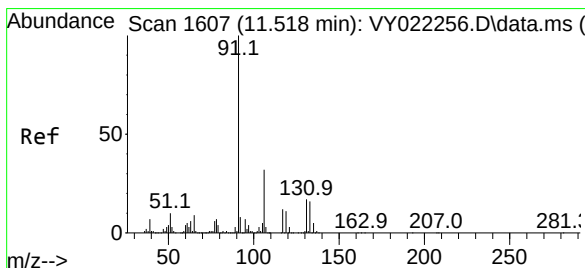
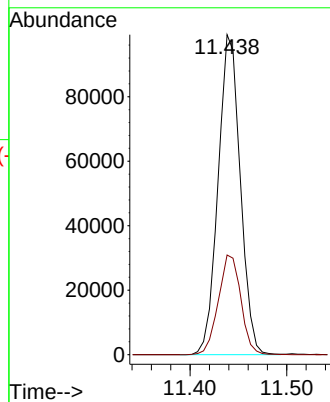
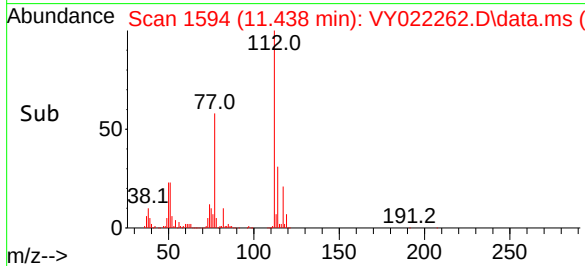
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:112 Resp: 15792
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6

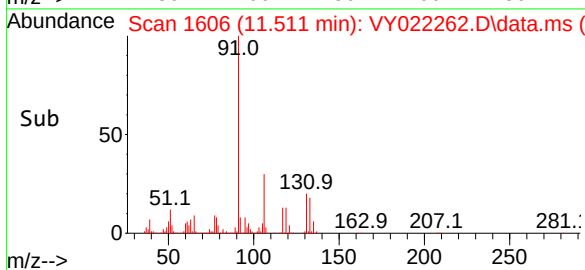
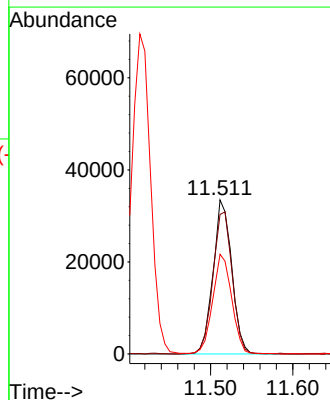
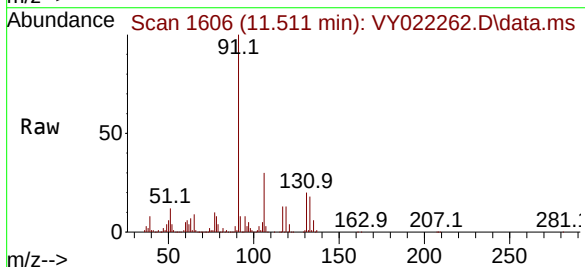
Manual Integrations
APPROVED

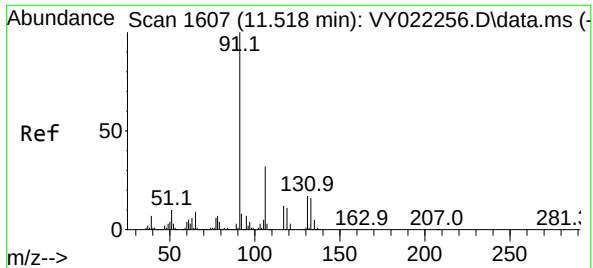
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.721 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

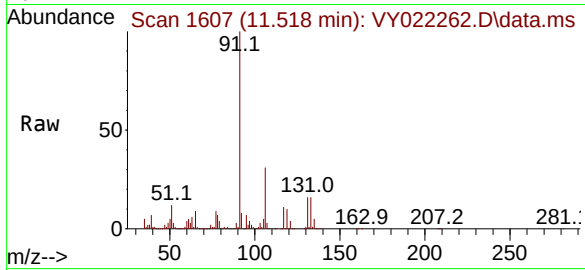
Tgt Ion:131 Resp: 52751
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 66.3 33.1 99.2





#67
Ethyl Benzene
Concen: 20.095 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

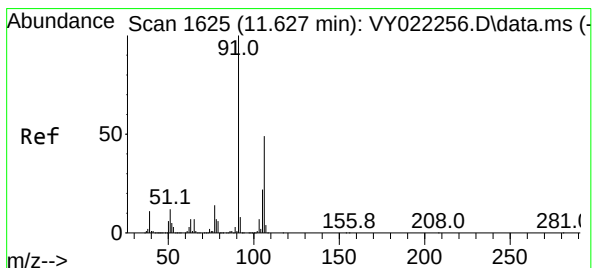
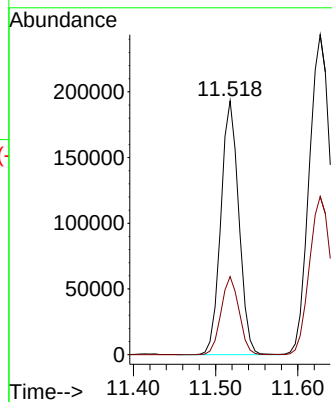
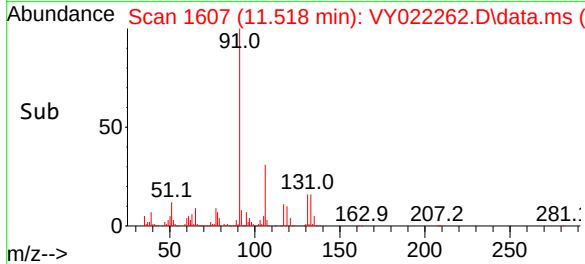
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



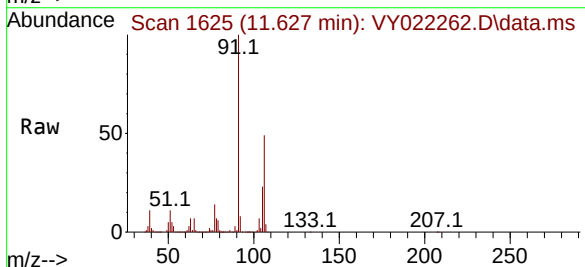
Tgt Ion: 91 Resp: 292819
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0

Manual Integrations
APPROVED

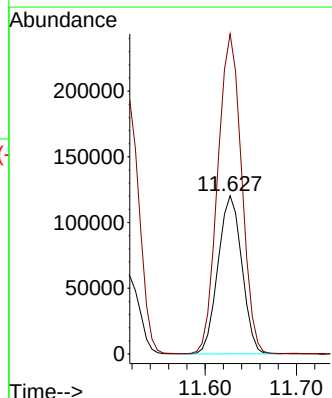
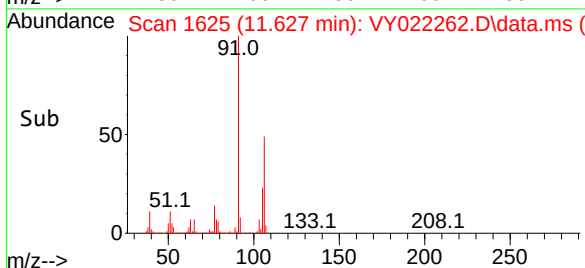
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

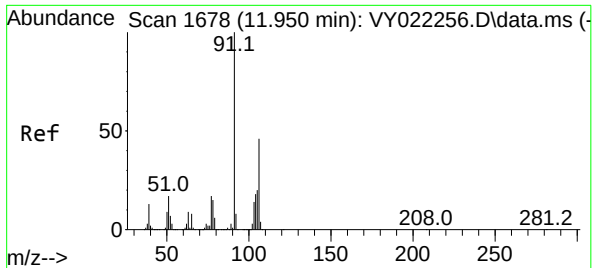


#68
m/p-Xylenes
Concen: 39.750 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



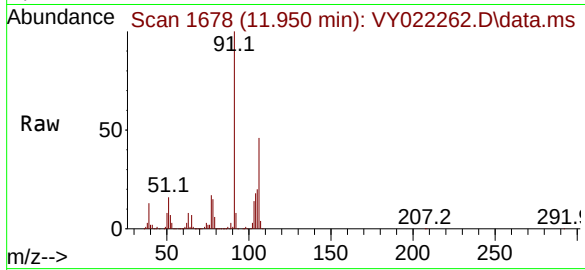
Tgt Ion:106 Resp: 218261
Ion Ratio Lower Upper
106 100
91 202.3 163.0 244.4





#69
o-Xylene
Concen: 19.946 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

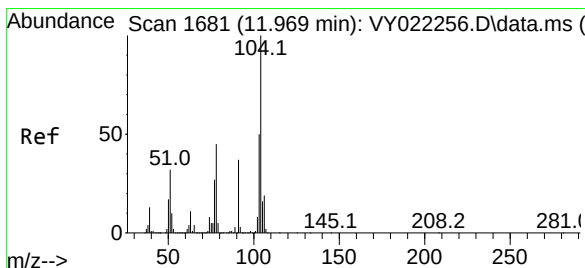
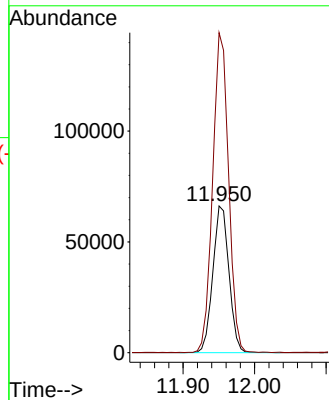
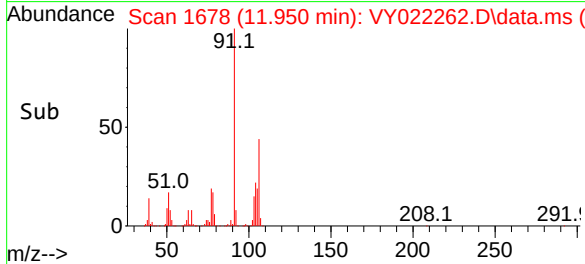
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:106 Resp: 103620
Ion Ratio Lower Upper
106 100
91 214.9 108.3 324.8

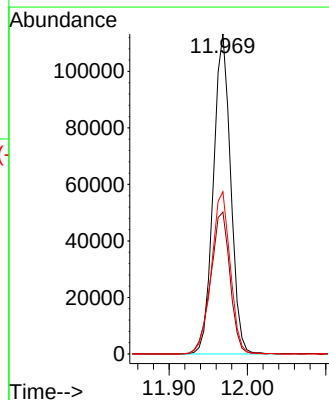
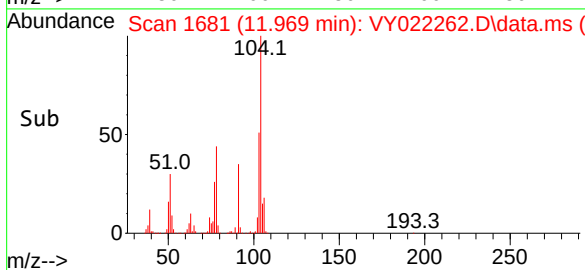
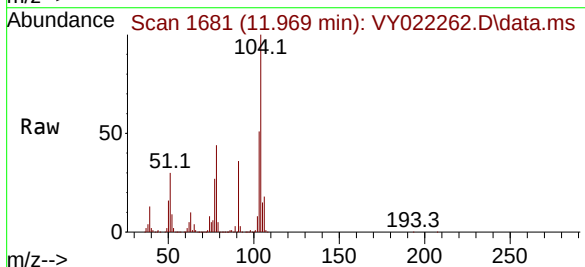
Manual Integrations
APPROVED

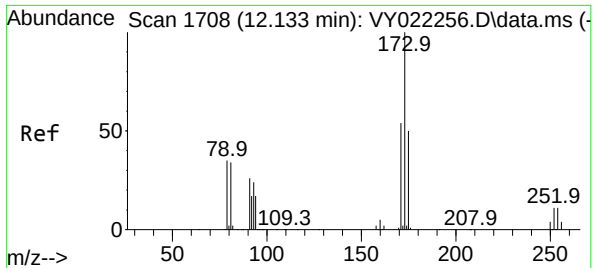
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#70
Styrene
Concen: 19.833 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

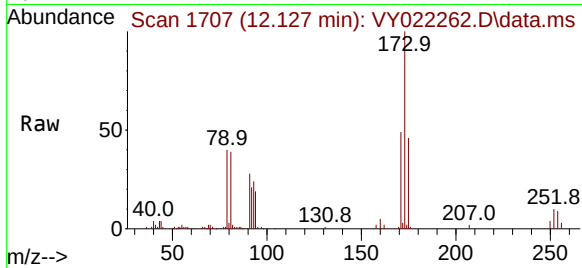
Tgt Ion:104 Resp: 173798
Ion Ratio Lower Upper
104 100
78 49.9 40.9 61.3
103 55.3 43.7 65.5





#71
Bromoform
Concen: 19.817 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

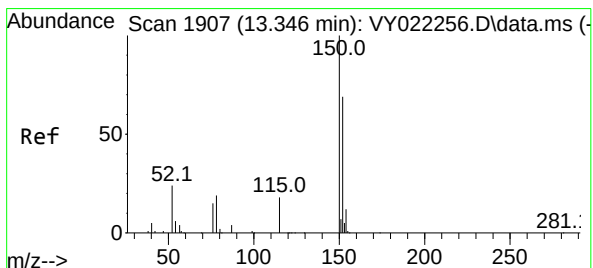
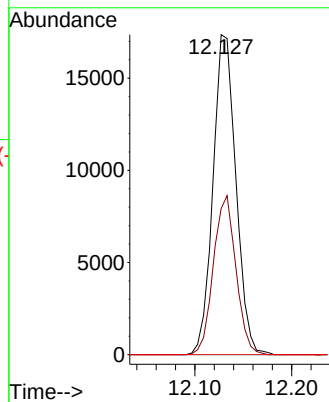
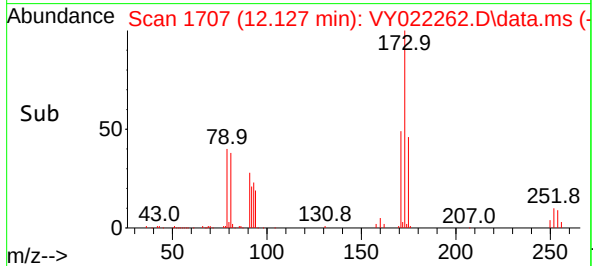
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



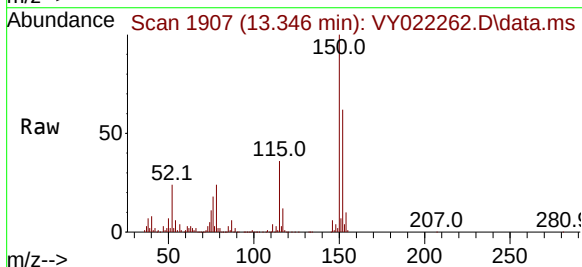
Tgt Ion:173 Resp: 2861
Ion Ratio Lower Upper
173 100
175 48.7 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

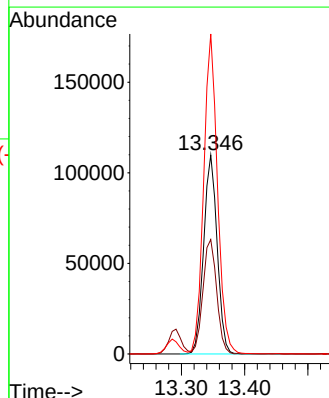
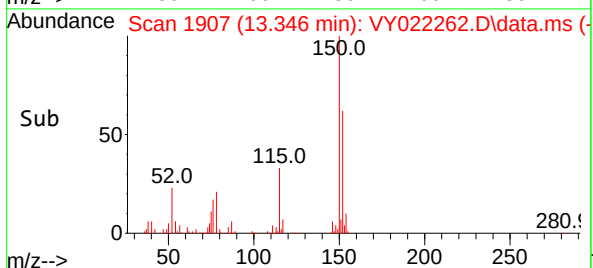
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

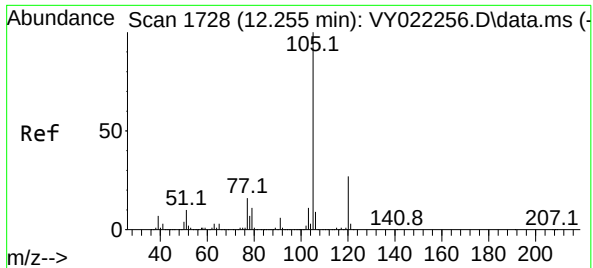


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



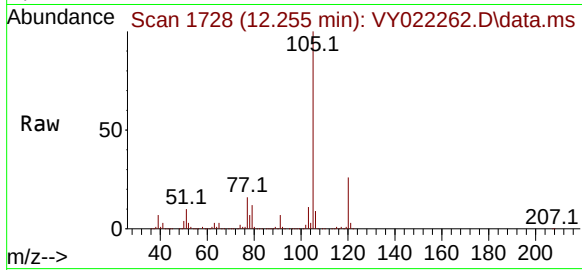
Tgt Ion:152 Resp: 163448
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.2
150 164.2 0.0 353.8





#73
Isopropylbenzene
Concen: 20.157 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

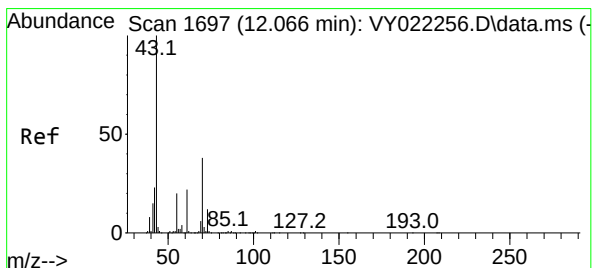
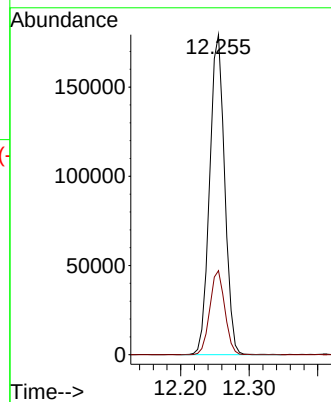
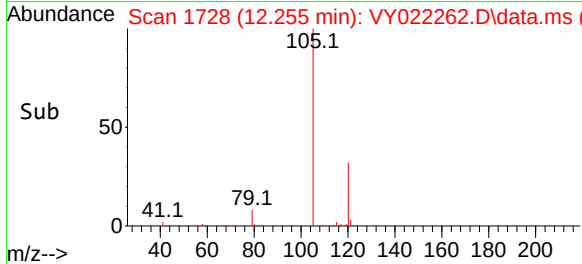
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



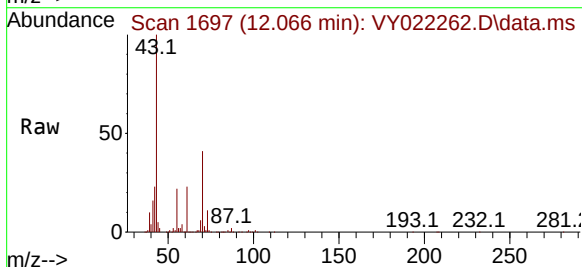
Tgt Ion:105 Resp: 272938
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

Manual Integrations
APPROVED

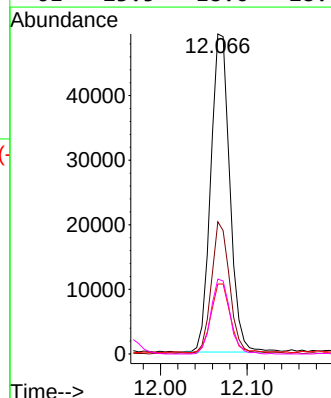
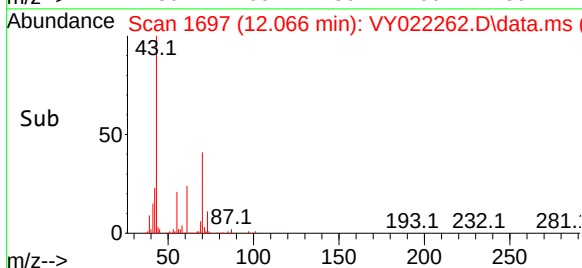
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

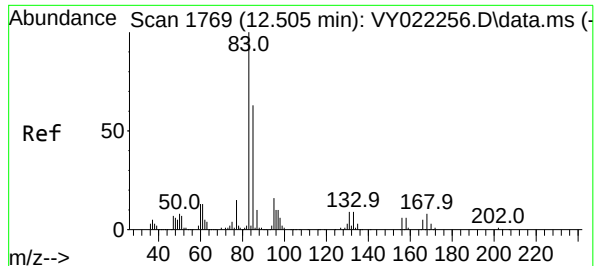


#74
N-ethyl acetate
Concen: 19.483 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



Tgt Ion: 43 Resp: 75451
Ion Ratio Lower Upper
43 100
70 39.2 31.4 47.0
55 21.9 17.0 25.6
61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.143 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 83 Resp: 4194

Ion Ratio Lower Upper

83 100

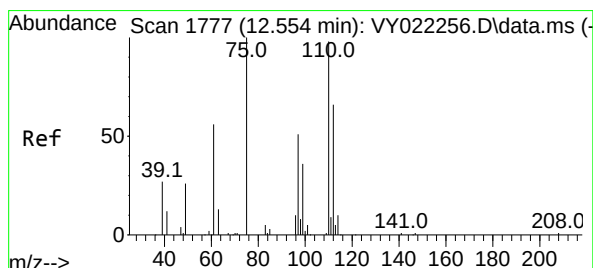
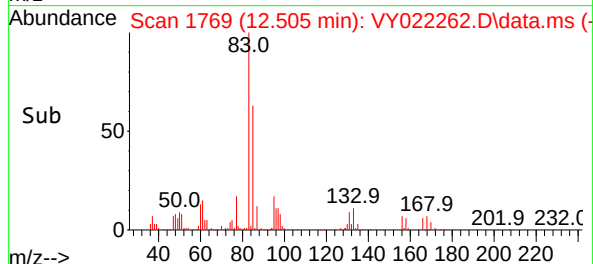
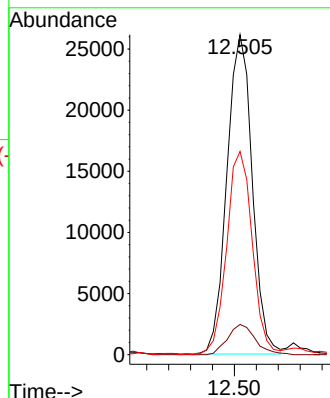
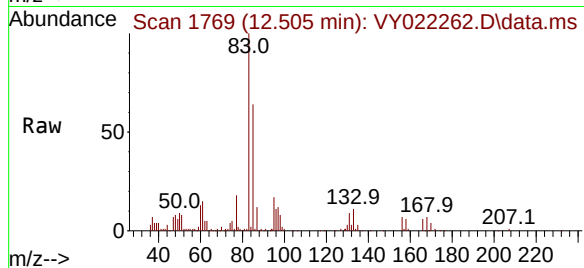
131 10.3 4.9 14.7

85 64.5 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: 20.046 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY022262.D

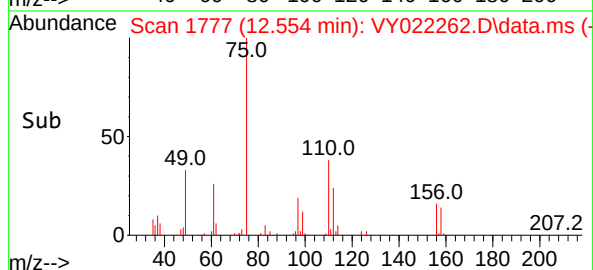
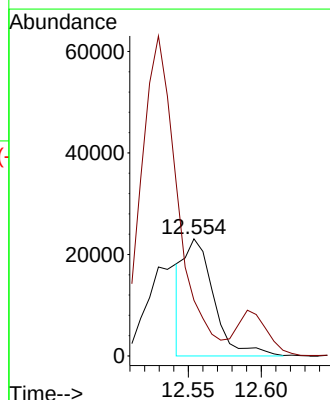
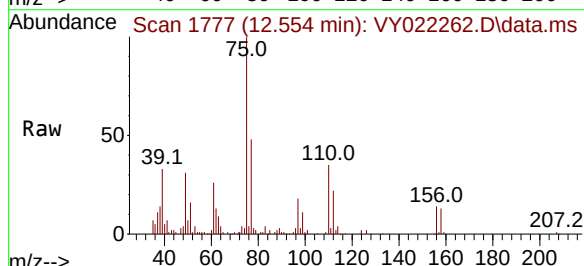
Acq: 15 May 2025 14:07

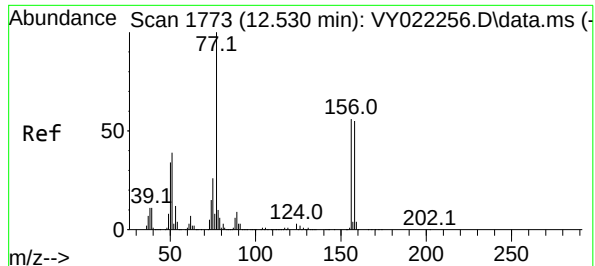
Tgt Ion: 75 Resp: 33194

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.600 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

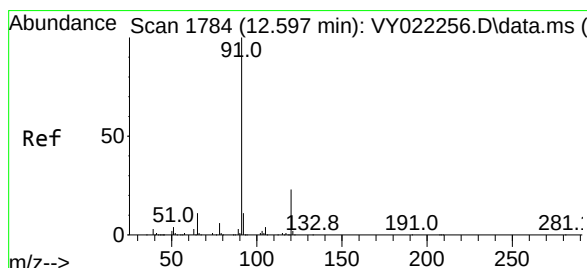
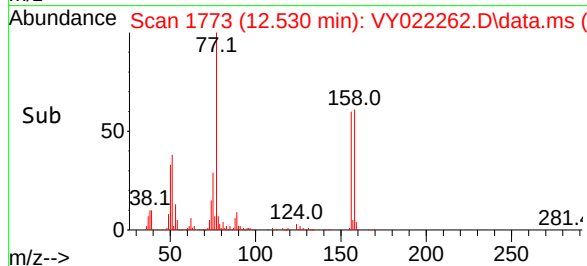
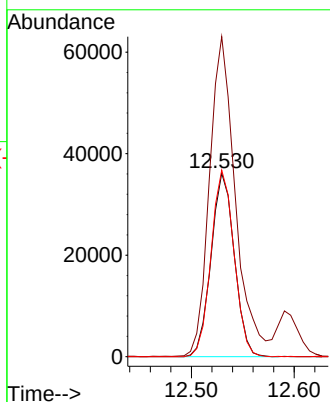
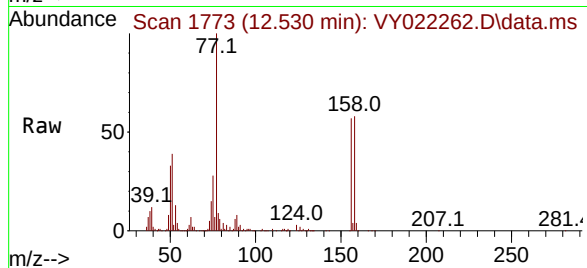
VY0515SBS01

Tgt Ion:	156	Resp:	5668
Ion Ratio	Lower	Upper	
156	100		
77	194.1	94.5	283.6
158	100.6	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: 20.598 ug/l

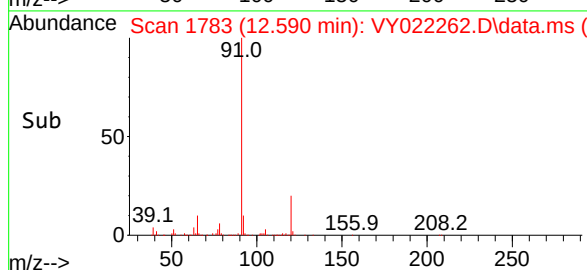
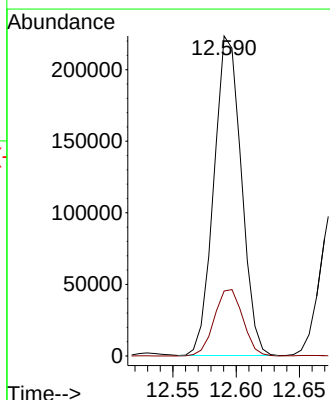
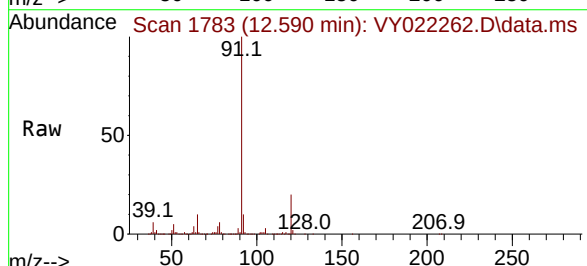
RT: 12.590 min Scan# 1783

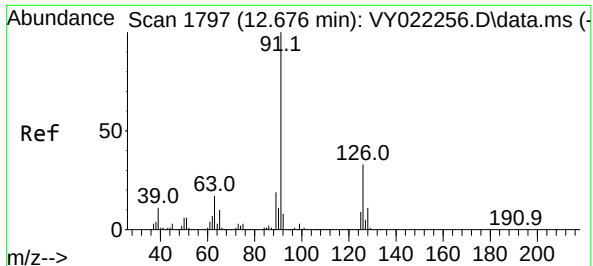
Delta R.T. -0.006 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Tgt Ion:	91	Resp:	336430
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.817 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 91 Resp: 177870

Ion Ratio Lower Upper

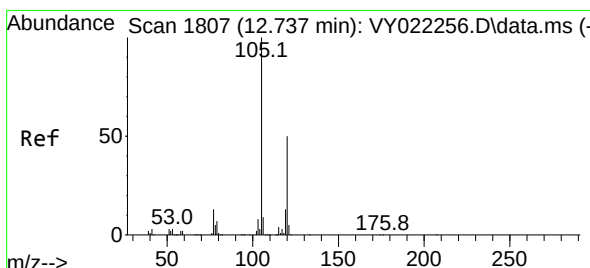
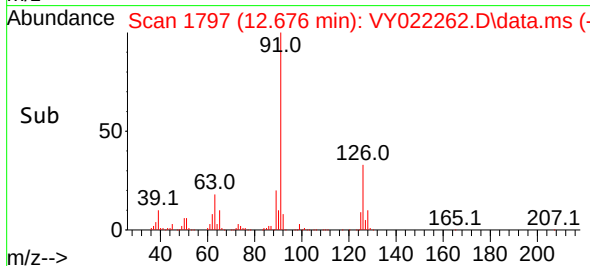
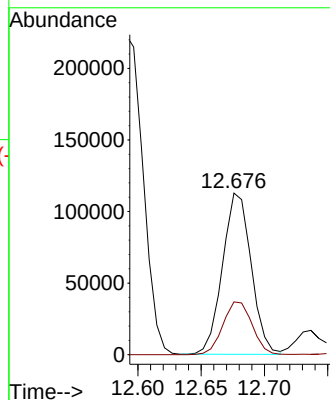
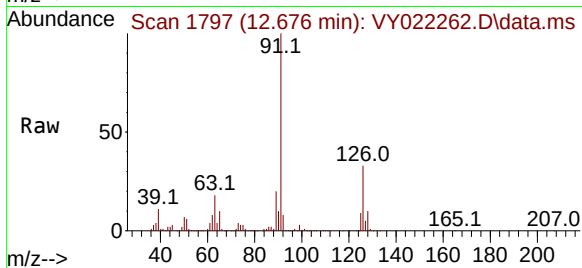
91 100

126 33.5 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: 19.858 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022262.D

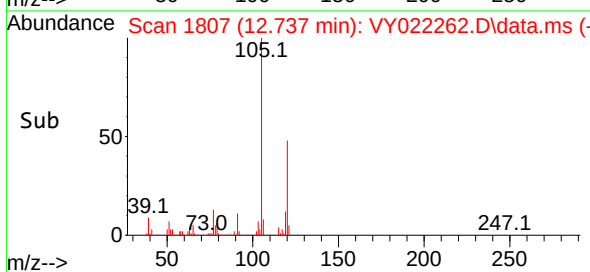
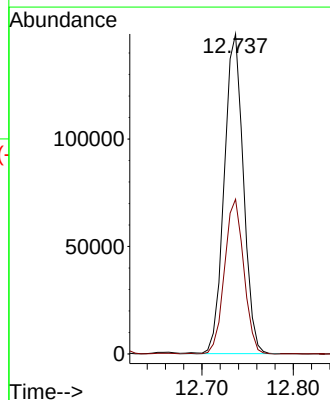
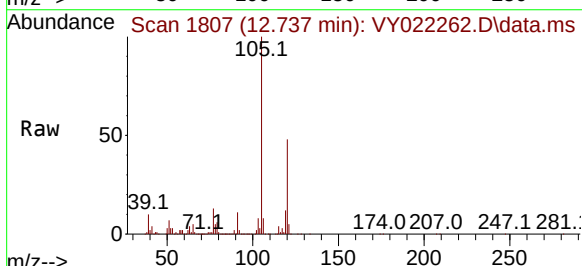
Acq: 15 May 2025 14:07

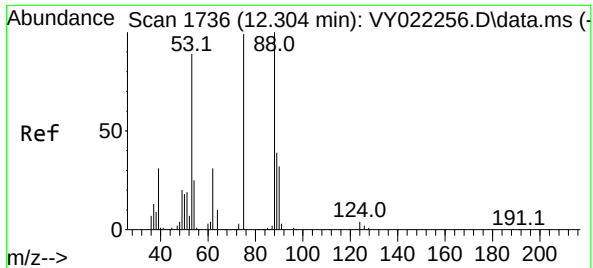
Tgt Ion:105 Resp: 217065

Ion Ratio Lower Upper

105 100

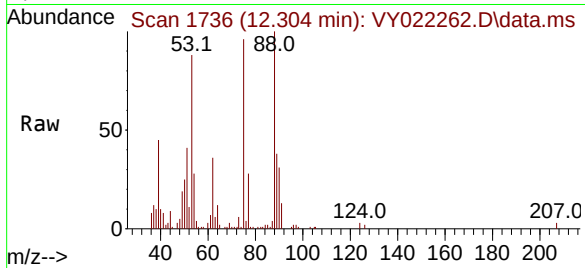
120 48.7 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

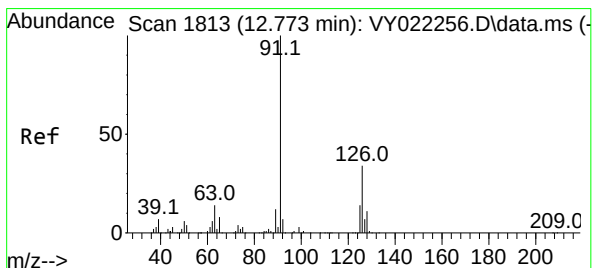
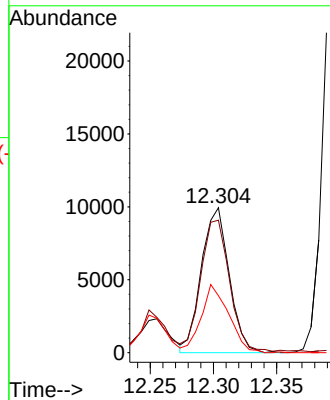
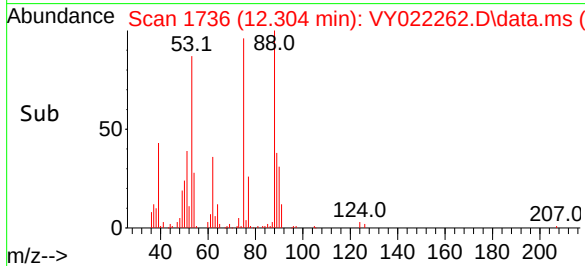
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 75 Resp: 15228
Ion Ratio Lower Upper
75 100
53 94.9 75.8 113.8
89 46.4 36.2 54.2

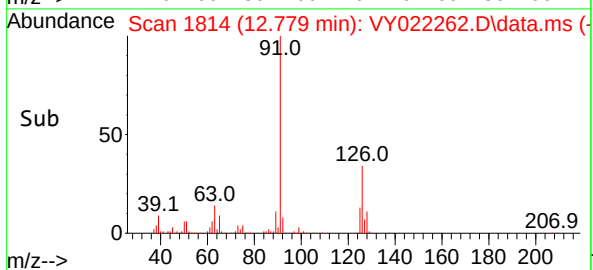
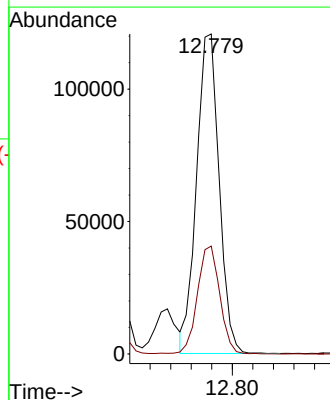
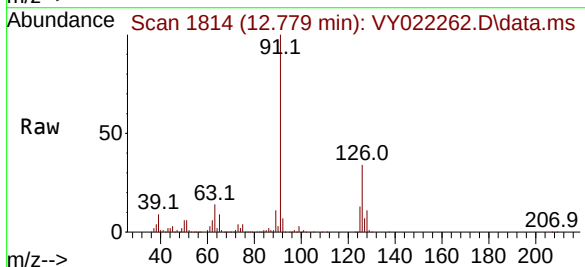
Manual Integrations
APPROVED

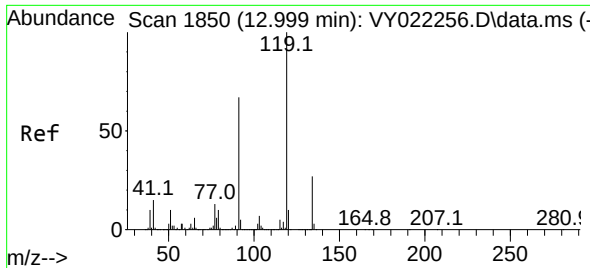
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 19.935 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

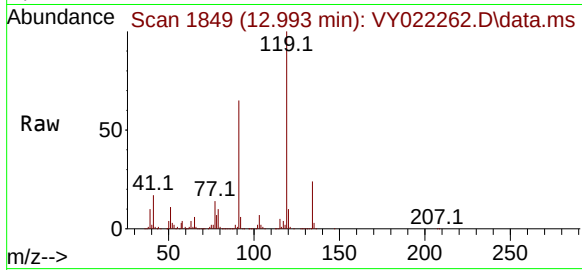
Tgt Ion: 91 Resp: 184041
Ion Ratio Lower Upper
91 100
126 33.6 16.8 50.4





#83
tert-Butylbenzene
Concen: 20.324 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

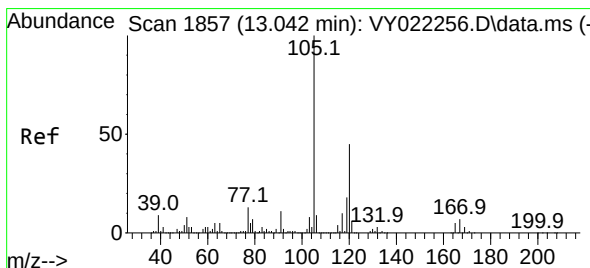
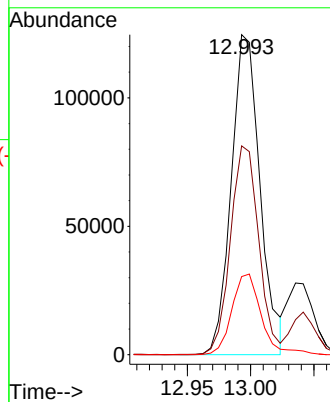
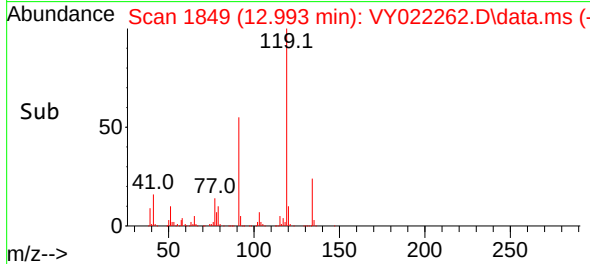
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



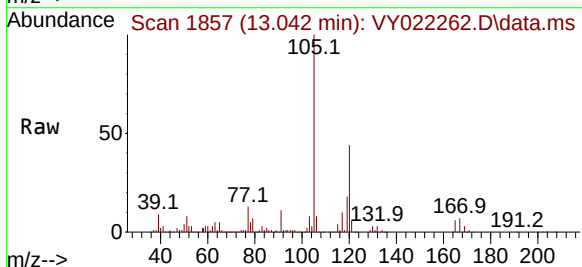
Tgt Ion:119 Resp: 19745
Ion Ratio Lower Upper
119 100
91 64.4 32.8 98.3
134 25.8 12.9 38.6

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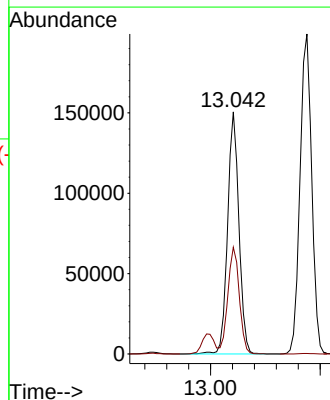
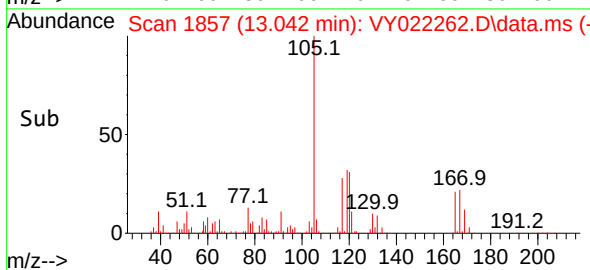
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

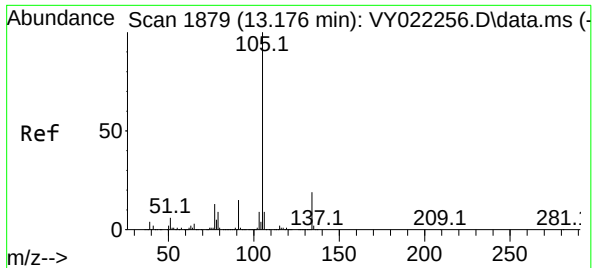


#84
1,2,4-Trimethylbenzene
Concen: 19.988 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



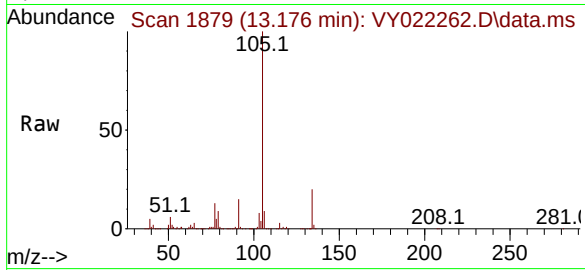
Tgt Ion:105 Resp: 216888
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 20.300 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07

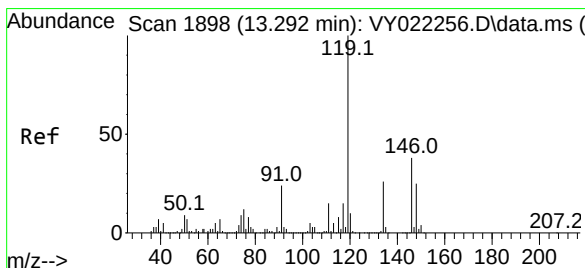
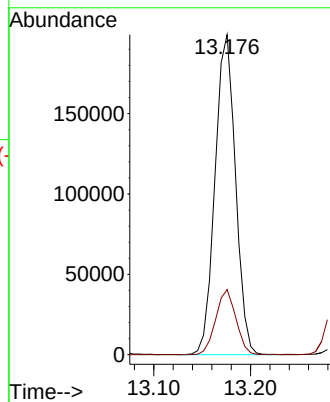
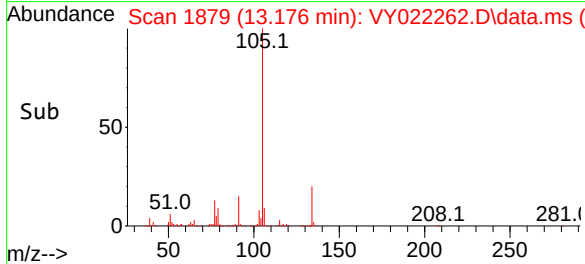
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01



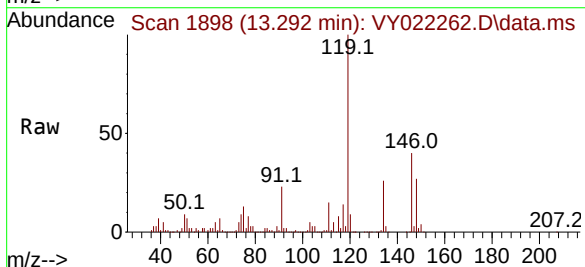
Tgt Ion:105 Resp: 29276
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5

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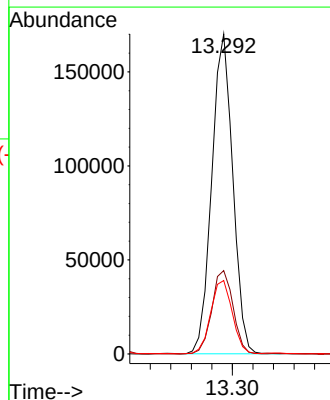
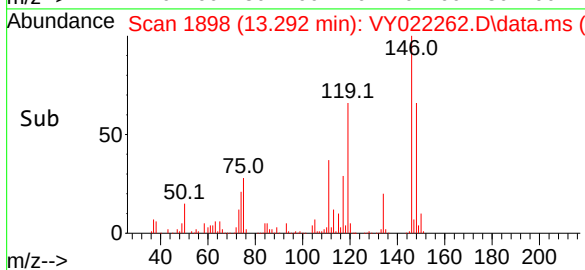
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

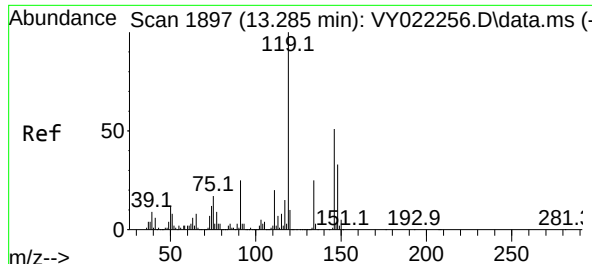


#86
 p-Isopropyltoluene
 Concen: 19.905 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022262.D
 Acq: 15 May 2025 14:07



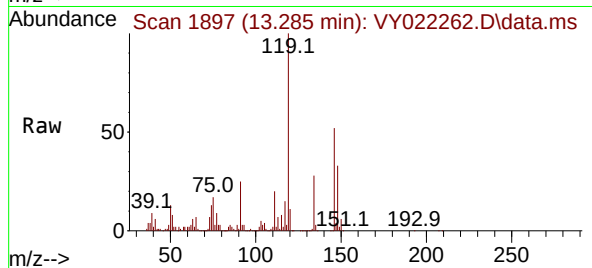
Tgt Ion:119 Resp: 241434
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 23.6 12.1 36.3





#87
1,3-Dichlorobenzene
Concen: 19.611 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

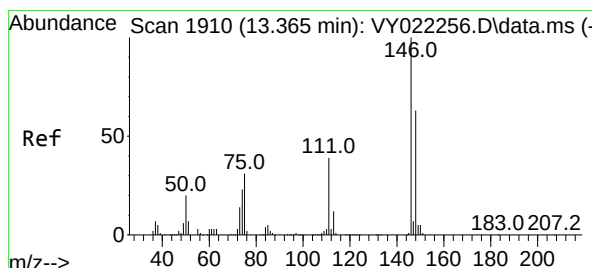
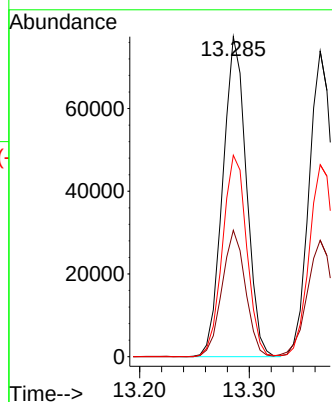
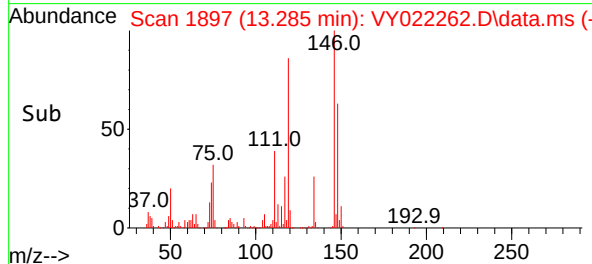
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



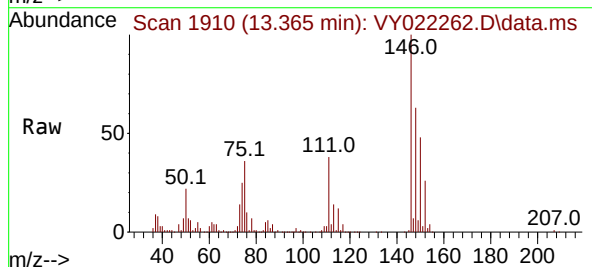
Tgt Ion:146 Resp: 11578
Ion Ratio Lower Upper
146 100
111 39.2 19.9 59.7
148 64.6 31.9 95.7

Manual Integrations
APPROVED

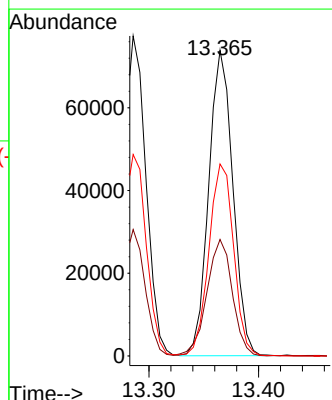
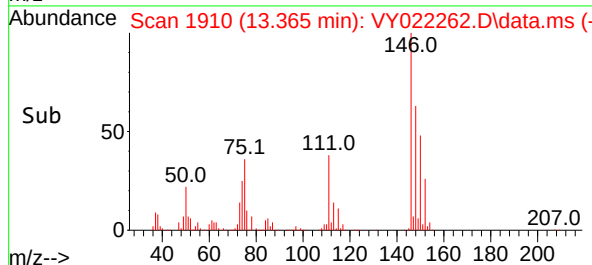
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

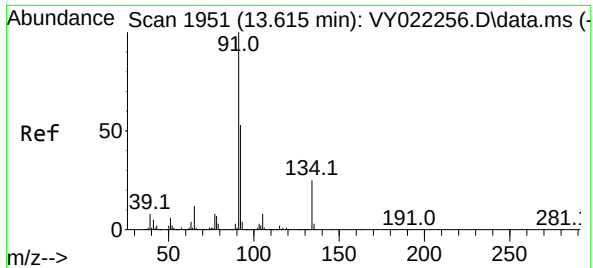


#88
1,4-Dichlorobenzene
Concen: 19.924 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



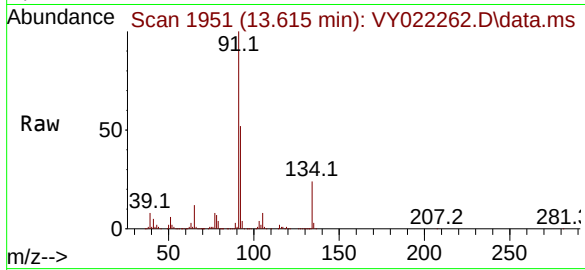
Tgt Ion:146 Resp: 113146
Ion Ratio Lower Upper
146 100
111 40.1 20.0 59.9
148 64.5 32.1 96.5





#89
n-Butylbenzene
Concen: 20.370 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

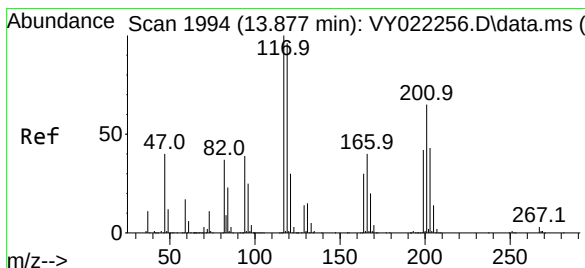
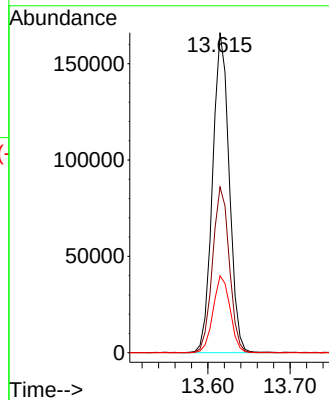
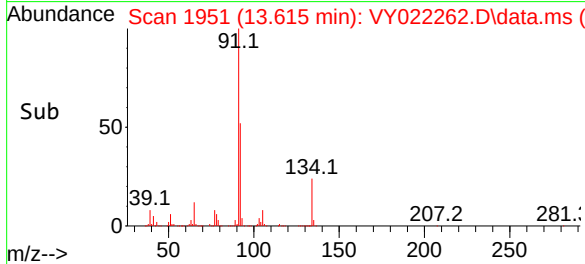
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 91 Resp: 23374
Ion Ratio Lower Upper
91 100
92 52.1 26.3 78.9
134 24.5 12.4 37.4

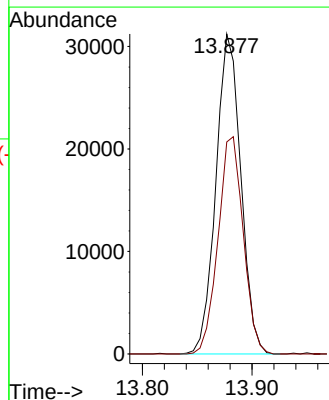
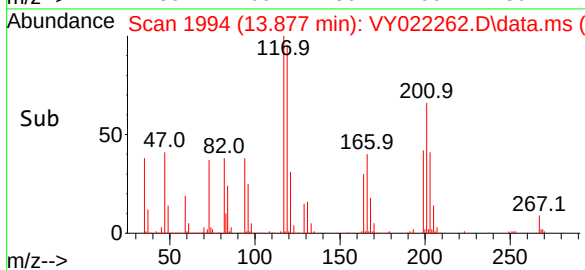
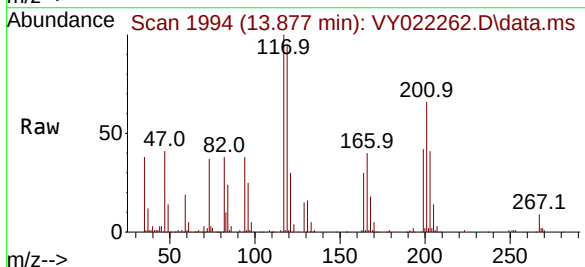
Manual Integrations
APPROVED

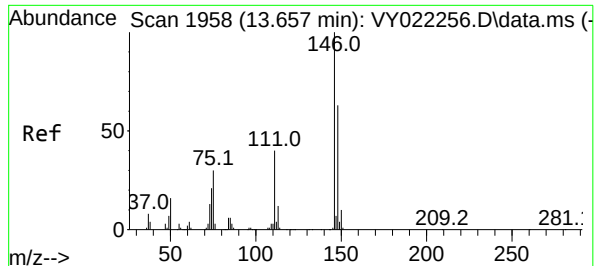
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#90
Hexachloroethane
Concen: 20.160 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

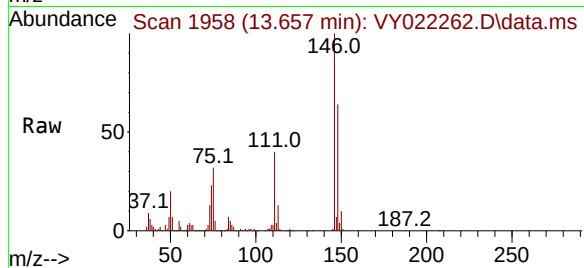
Tgt Ion:117 Resp: 49361
Ion Ratio Lower Upper
117 100
201 68.6 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 19.678 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

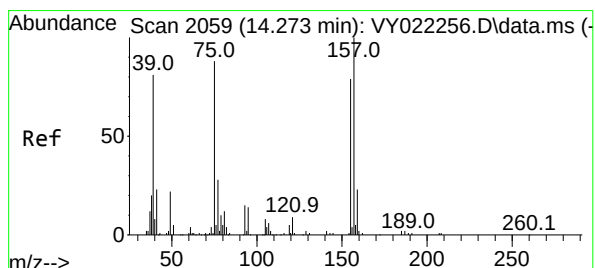
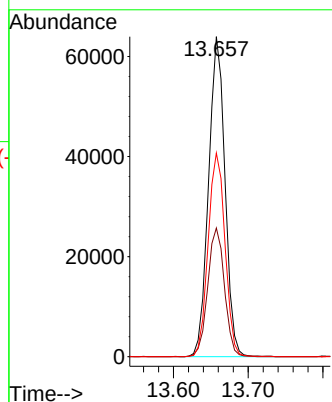
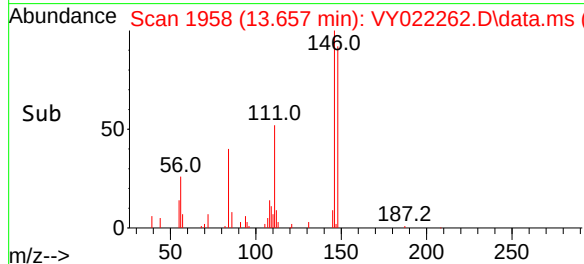
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



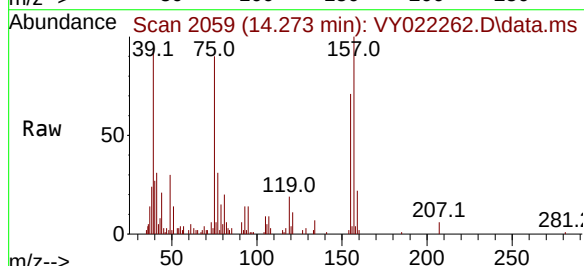
Tgt Ion:146 Resp: 97580
Ion Ratio Lower Upper
146 100
111 40.9 20.5 61.5
148 65.3 32.0 96.0

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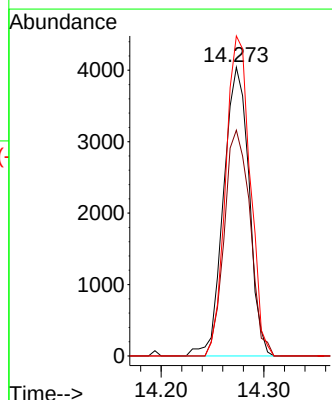
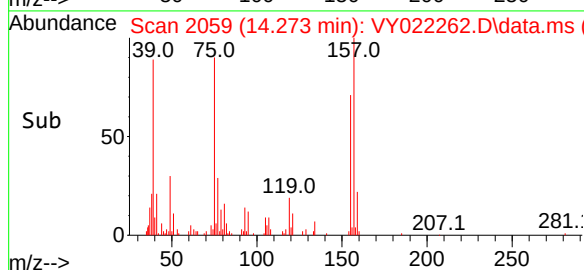
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

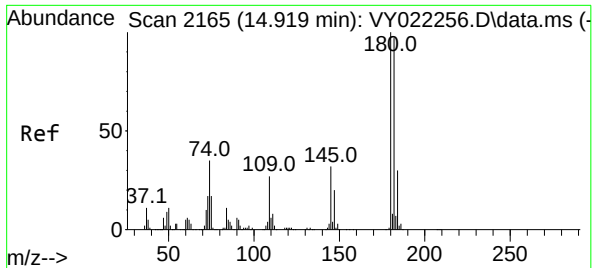


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.726 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07



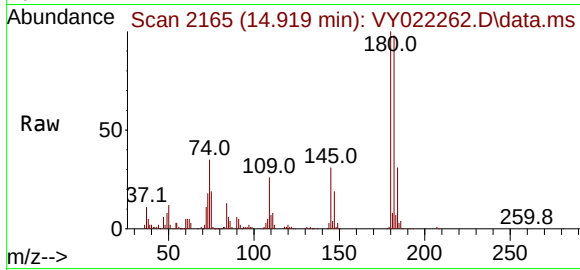
Tgt Ion: 75 Resp: 6960
Ion Ratio Lower Upper
75 100
155 79.0 43.4 130.1
157 106.6 54.6 163.9





#93
1,2,4-Trichlorobenzene
Concen: 19.768 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

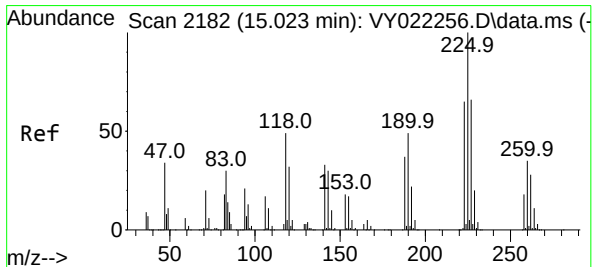
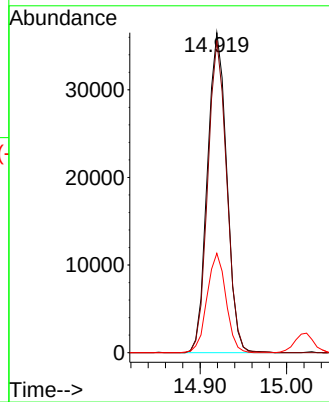
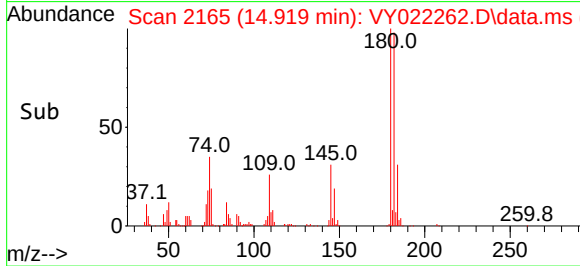
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:180 Resp: 5662
Ion Ratio Lower Upper
180 100
182 95.4 48.0 144.0
145 30.4 15.0 45.1

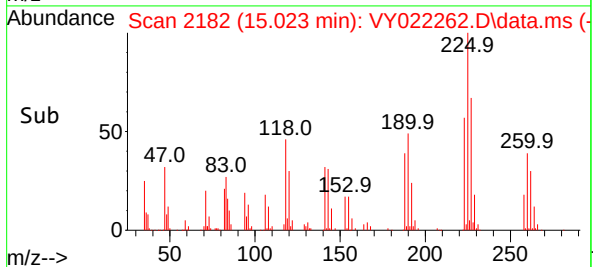
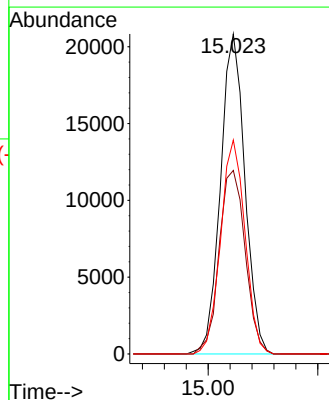
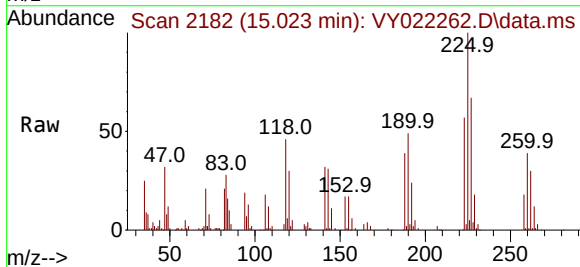
Manual Integrations
APPROVED

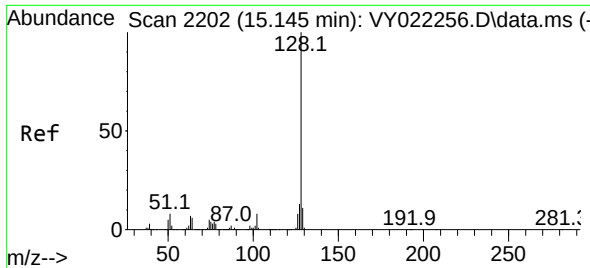
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94
Hexachlorobutadiene
Concen: 20.155 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:225 Resp: 32198
Ion Ratio Lower Upper
225 100
223 61.4 31.5 94.5
227 66.9 32.1 96.3





#95

Naphthalene

Concen: 18.892 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022262.D

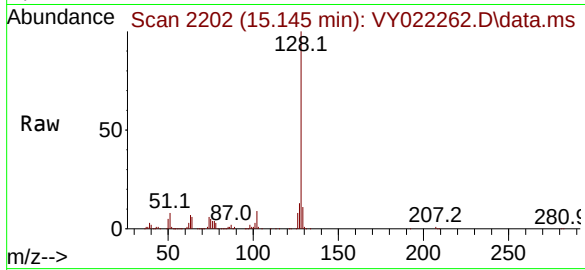
Acq: 15 May 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion:128 Resp: 10269

Ion Ratio Lower Upper

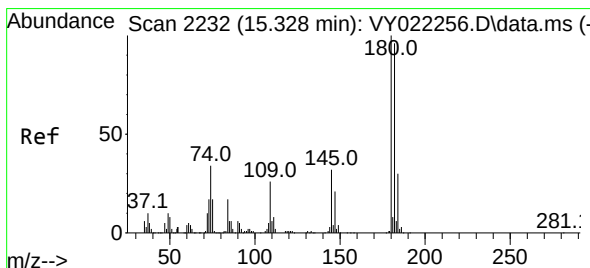
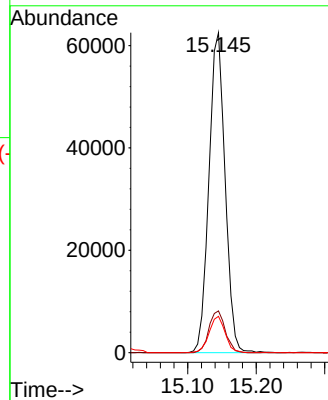
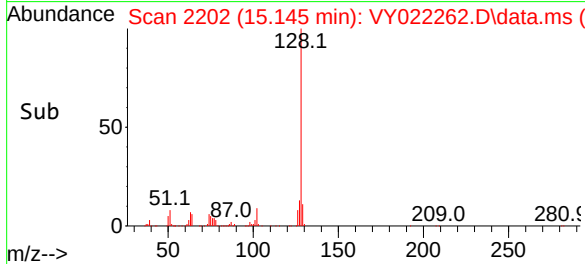
128 100

127 13.2 10.2 15.2

129 11.3 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

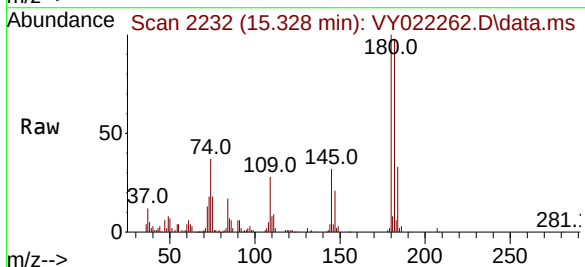
Concen: 19.376 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022262.D

Acq: 15 May 2025 14:07



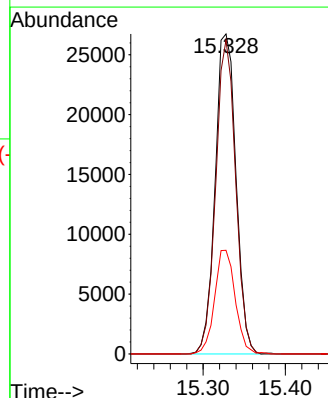
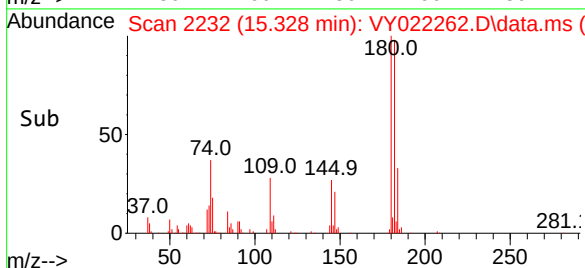
Tgt Ion:180 Resp: 47086

Ion Ratio Lower Upper

180 100

182 93.8 47.1 141.3

145 32.2 15.9 47.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	26.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	85.5		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.5		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	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	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	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	90.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.2		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	18.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		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	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		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	19.0		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	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.707			
540-36-3	1,4-Difluorobenzene	352000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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
VY022279.D	1		05/16/25 10:09	VY051625

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\VY051625\
 Data File : VY022279.D
 Acq On : 16 May 2025 10:09
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 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	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.240%	
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.620%	
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.860%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022279.D
 Acq On : 16 May 2025 10:09
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 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	7.219	41	20703m	18.760	ug/l	
42) 1,2-Dichloroethane	8.158	62	55663	20.081	ug/l	99
43) Isopropyl Acetate	8.201	43	66577	18.350	ug/l	100
44) Trichloroethene	8.865	130	52001	20.403	ug/l	99
45) 1,2-Dichloropropane	9.140	63	48024	19.433	ug/l	95
46) Dibromomethane	9.231	93	26030	19.529	ug/l	96
47) Bromodichloromethane	9.426	83	69687	20.153	ug/l	99
48) Methyl methacrylate	9.225	41	31270	18.429	ug/l	99
49) 1,4-Dioxane	9.237	88	5450	361.945	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873	ug/l	98
52) Toluene	10.170	92	126577	19.501	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714	ug/l	96
56) Ethyl methacrylate	10.438	69	48650	18.299	ug/l	97
57) 1,3-Dichloropropane	10.719	76	58178	19.185	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786	ug/l	100
59) 2-Hexanone	10.761	43	106492	89.217	ug/l	99
60) Dibromochloromethane	10.914	129	43390	19.586	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31515	19.811	ug/l	99
64) Tetrachloroethene	10.646	164	54813	19.759	ug/l	99
65) Chlorobenzene	11.444	112	133251	19.679	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140	ug/l	100
67) Ethyl Benzene	11.517	91	241283	19.027	ug/l	98
68) m/p-Xylenes	11.627	106	183701	38.444	ug/l	98
69) o-Xylene	11.956	106	87610	19.379	ug/l	96
70) Styrene	11.969	104	144454	18.942	ug/l	99
71) Bromoform	12.133	173	23136	18.414	ug/l #	99
73) Isopropylbenzene	12.255	105	226293	19.344	ug/l	100
74) N-amyl acetate	12.072	43	59704	17.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338	ug/l	
77) Bromobenzene	12.529	156	47234	18.904	ug/l	97
78) n-propylbenzene	12.597	91	274165	19.430	ug/l	100
79) 2-Chlorotoluene	12.682	91	148305	19.125	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775	ug/l	93
82) 4-Chlorotoluene	12.779	91	148832	18.660	ug/l	98
83) tert-Butylbenzene	12.999	119	161923	19.292	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163	ug/l	99
85) sec-Butylbenzene	13.176	105	239464	19.219	ug/l	99
86) p-Isopropyltoluene	13.291	119	197757	18.872	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902	ug/l	99
89) n-Butylbenzene	13.615	91	191322	19.299	ug/l	98
90) Hexachloroethane	13.877	117	40730	19.255	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345	ug/l	96
94) Hexachlorobutadiene	15.023	225	26080	18.897	ug/l	98
95) Naphthalene	15.145	128	86461	18.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 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

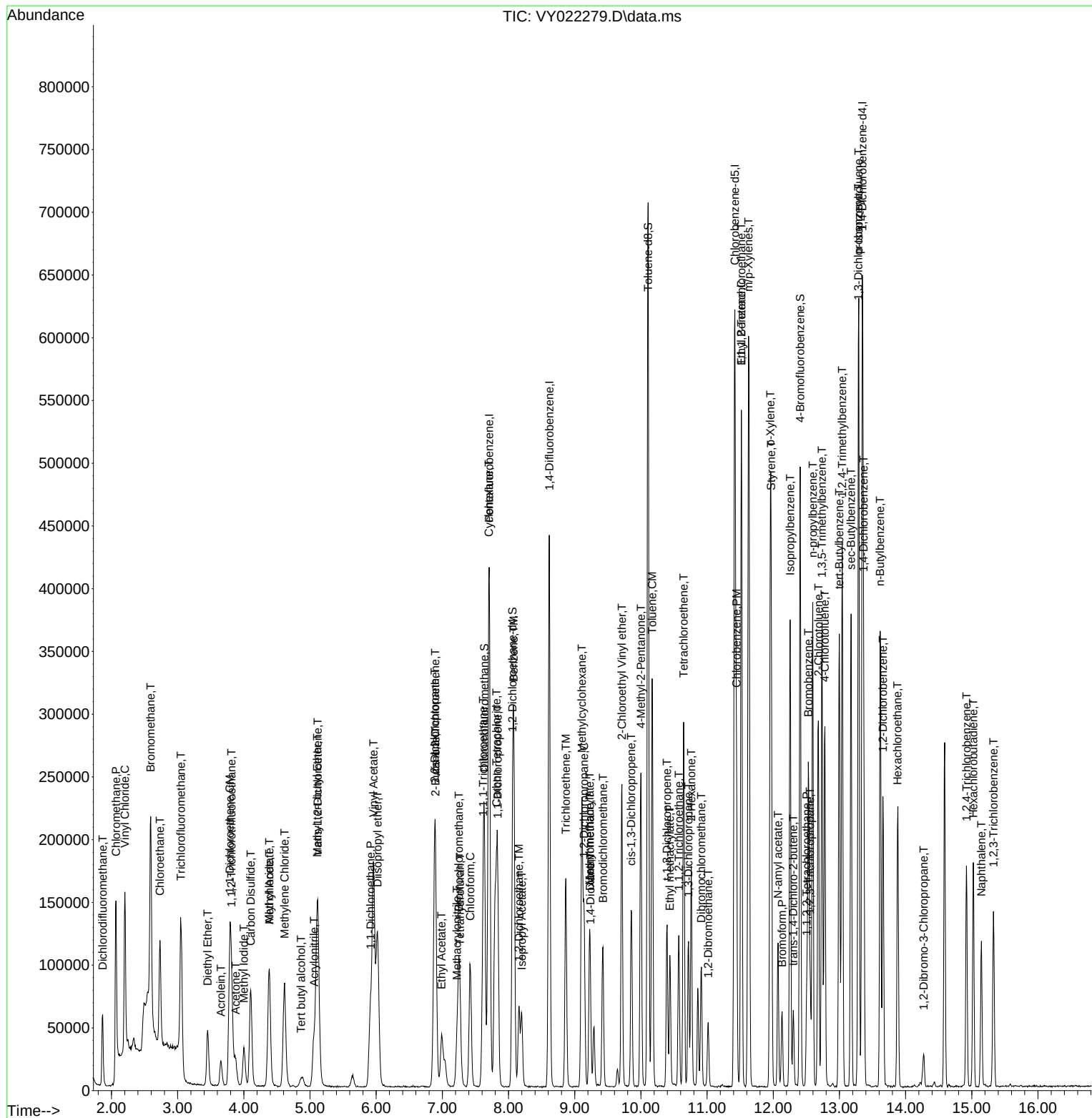
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 Data File : VY022279.D
 Acq On : 16 May 2025 10:09
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

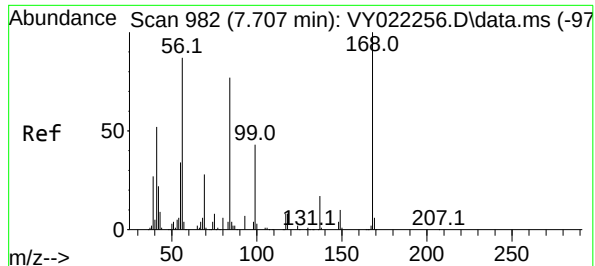
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

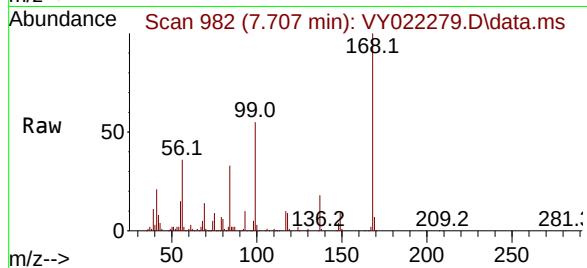
Quant Time: May 17 01:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

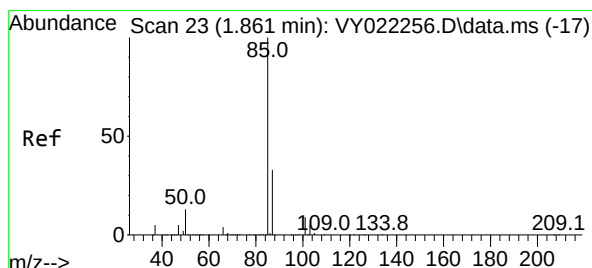
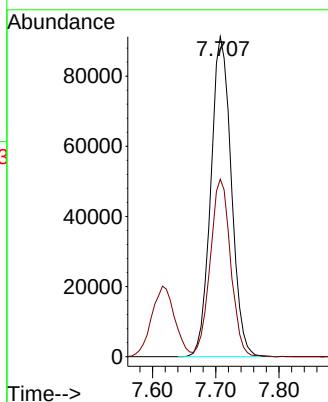
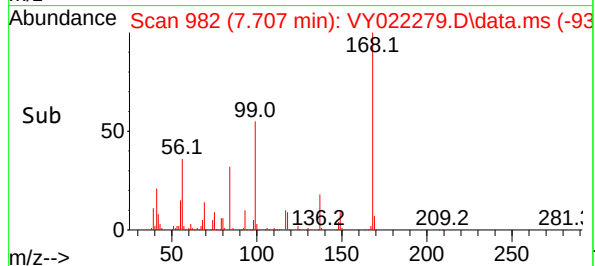
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion:168 Resp: 205070
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4

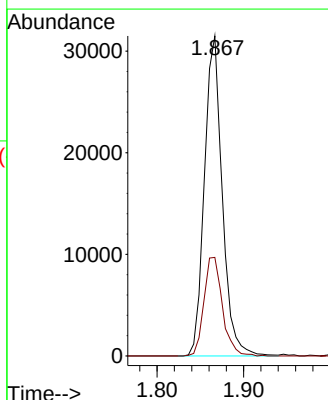
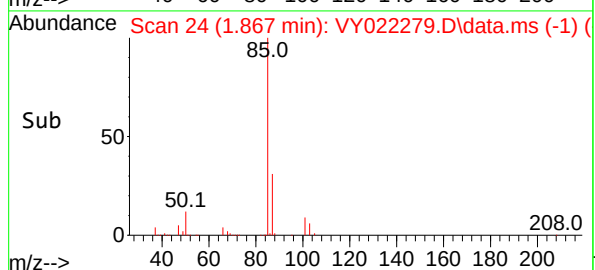
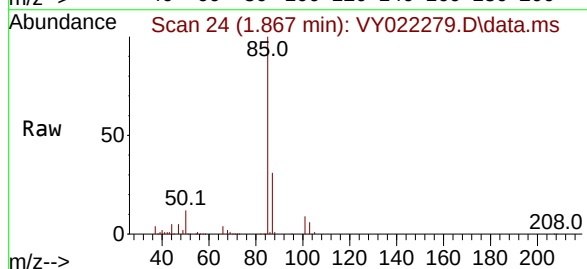
Manual Integrations
APPROVED

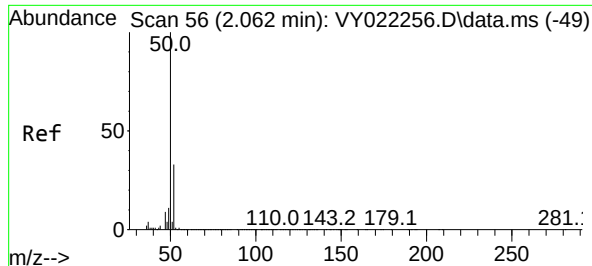
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#2
Dichlorodifluoromethane
Concen: 21.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

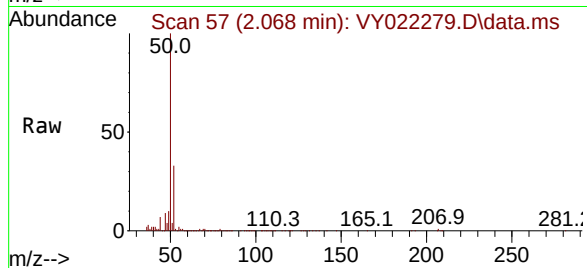
Tgt Ion: 85 Resp: 45052
Ion Ratio Lower Upper
85 100
87 30.8 16.5 49.5





#3
Chloromethane
Concen: 24.357 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

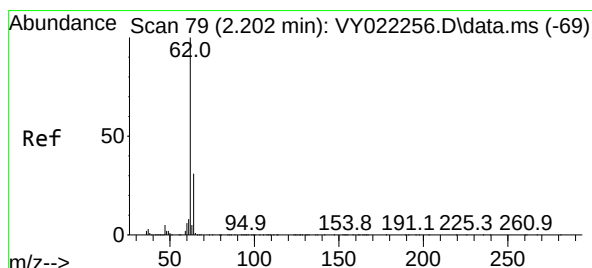
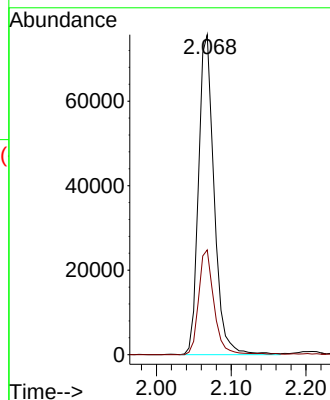
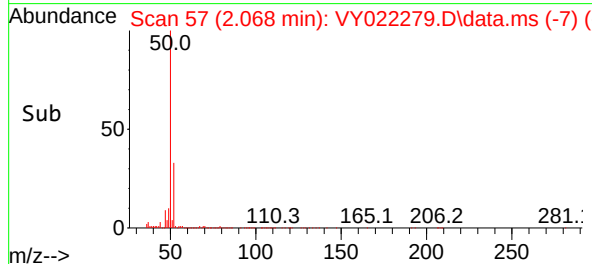
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 50 Resp: 109640
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

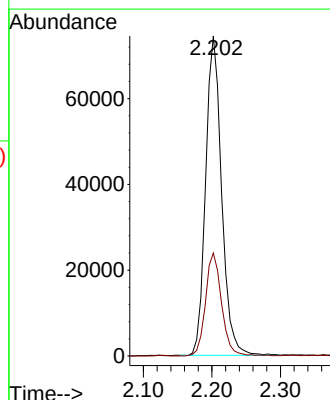
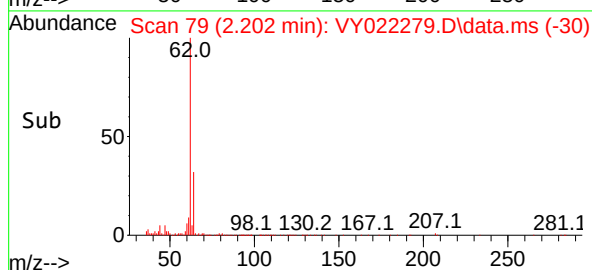
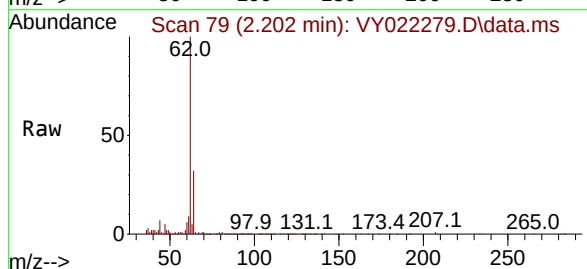
Manual Integrations
APPROVED

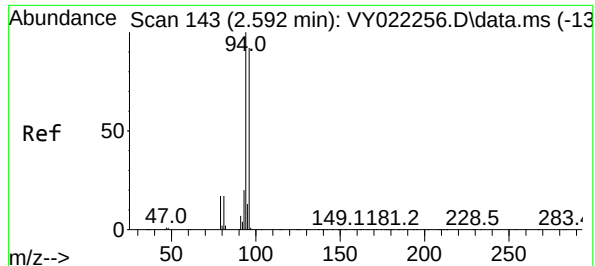
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#4
Vinyl Chloride
Concen: 24.051 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 120955
Ion Ratio Lower Upper
62 100
64 32.2 24.5 36.7





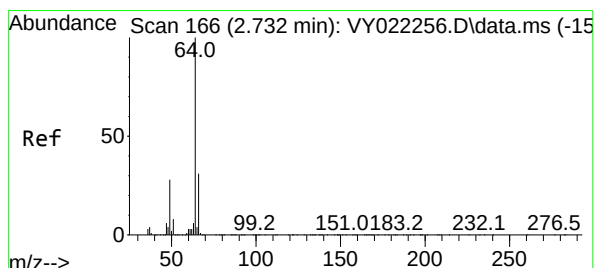
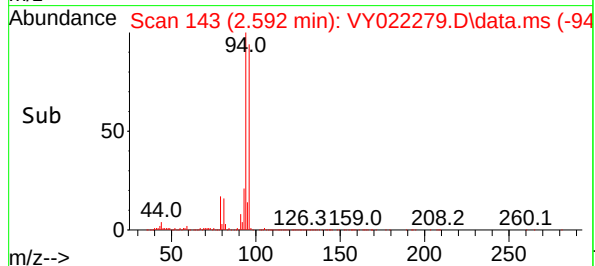
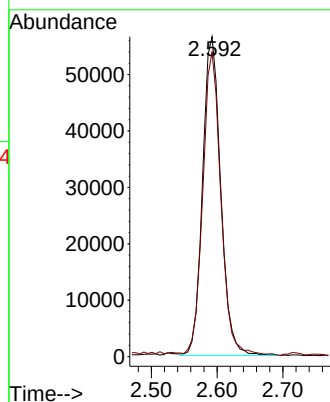
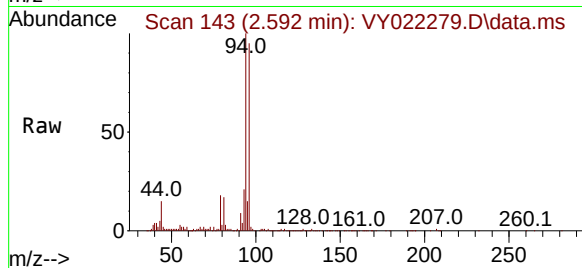
#5
Bromomethane
Concen: 26.460 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 94 Resp: 108325
Ion Ratio Lower Upper
94 100
96 95.1 73.4 110.0

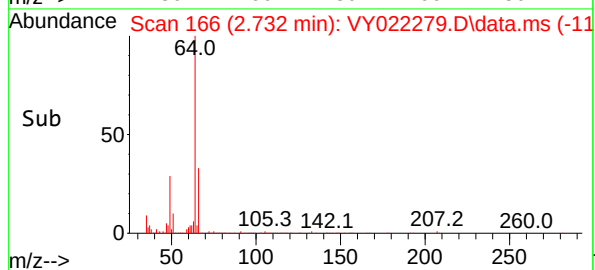
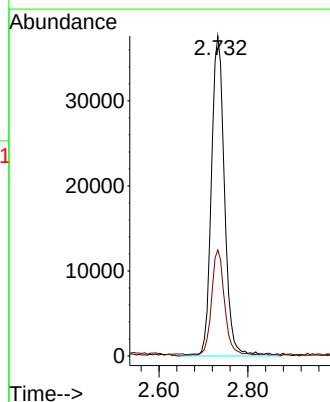
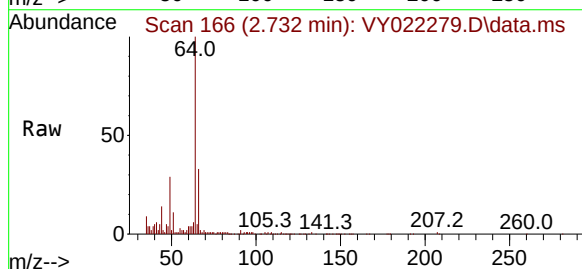
Manual Integrations
APPROVED

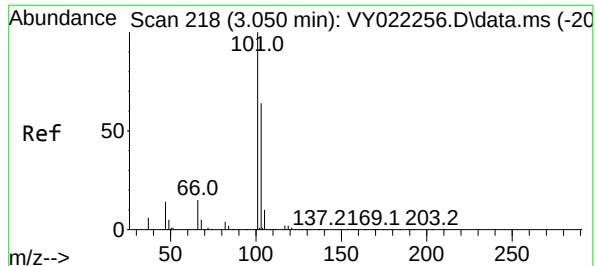
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#6
Chloroethane
Concen: 24.698 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

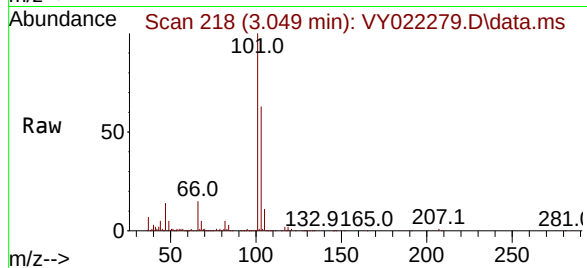
Tgt Ion: 64 Resp: 77272
Ion Ratio Lower Upper
64 100
66 32.7 24.8 37.2





#7
Trichlorofluoromethane
Concen: 22.191 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

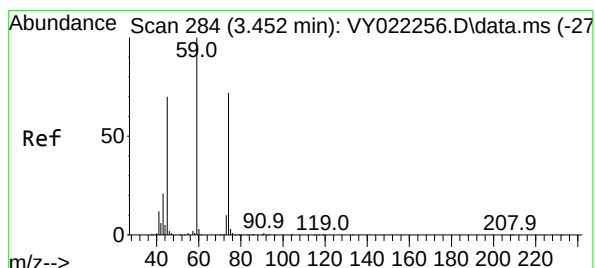
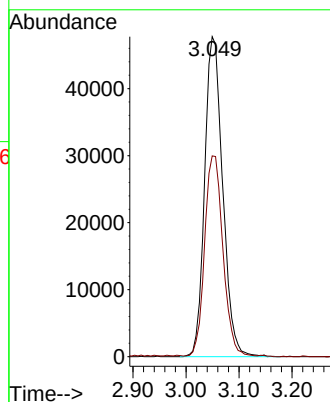
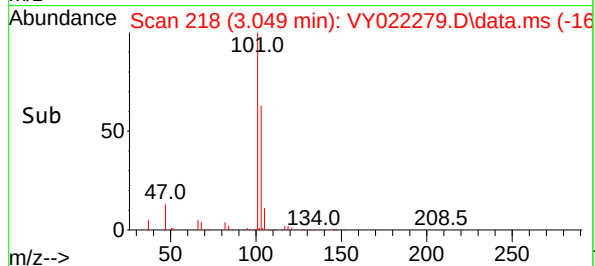
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion:101 Resp: 112994
Ion Ratio Lower Upper
101 100
103 62.8 51.7 77.5

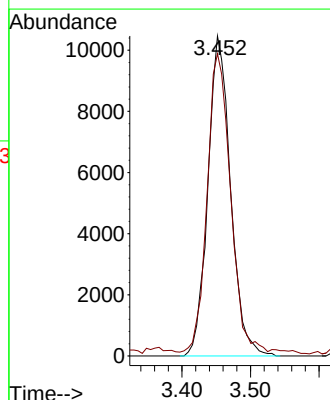
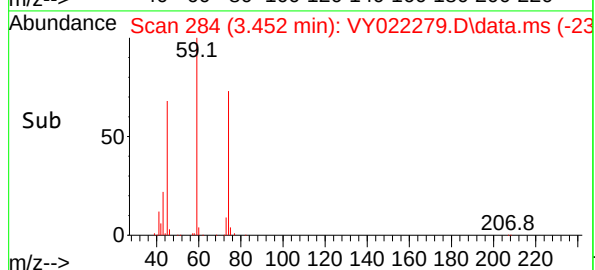
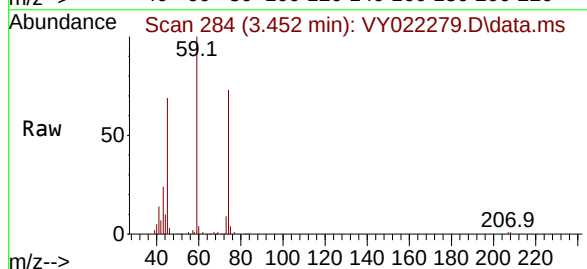
Manual Integrations
APPROVED

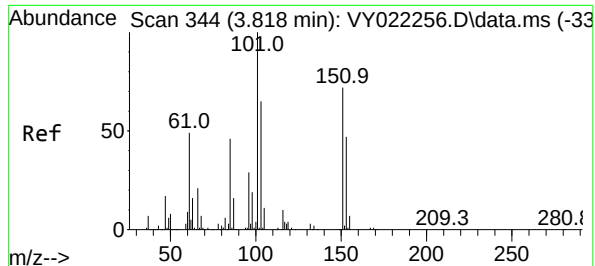
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#8
Diethyl Ether
Concen: 19.772 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 74 Resp: 24161
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.8





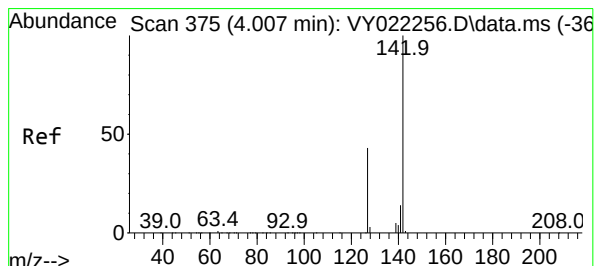
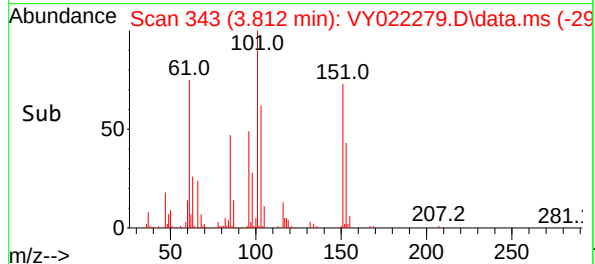
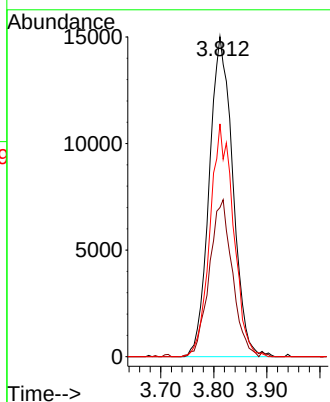
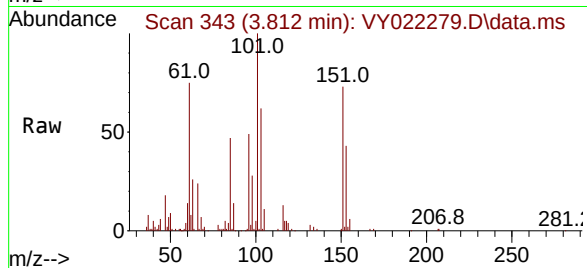
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.973 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:101 Resp: 46362
Ion Ratio Lower Upper
101 100
85 48.0 38.6 58.0
151 72.7 59.7 89.5

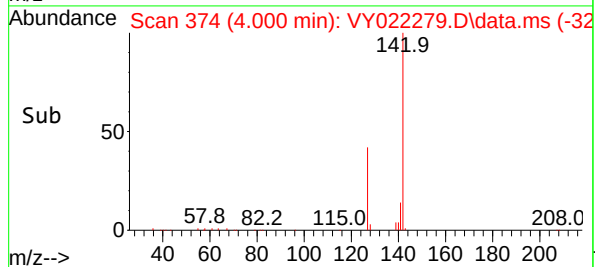
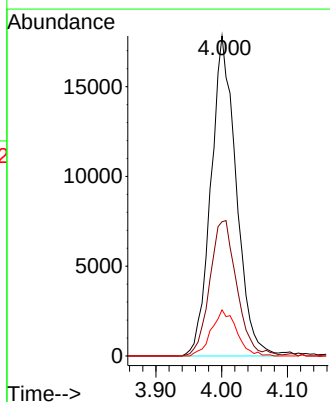
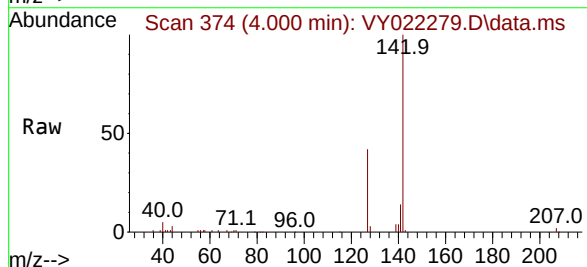
Manual Integrations
APPROVED

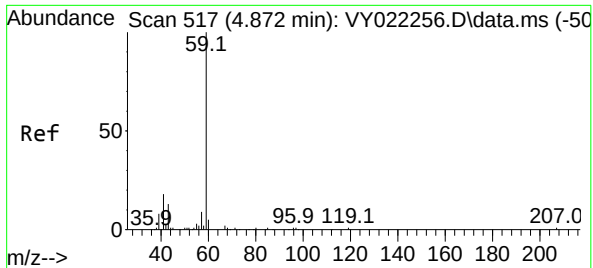
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#10
Methyl Iodide
Concen: 18.640 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:142 Resp: 47690
Ion Ratio Lower Upper
142 100
127 45.3 35.7 53.5
141 14.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 94.950 ug/l

RT: 4.866 min Scan# 517

Delta R.T. -0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 59 Resp: 1625

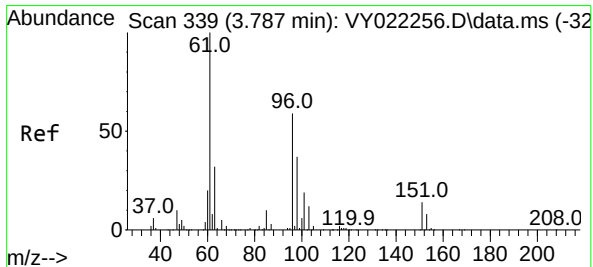
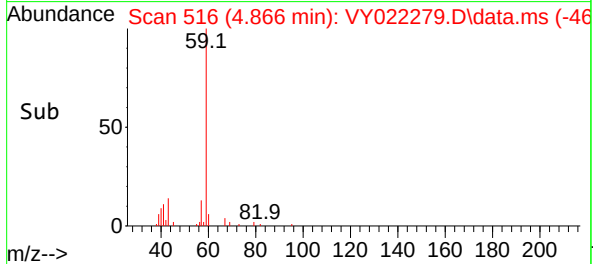
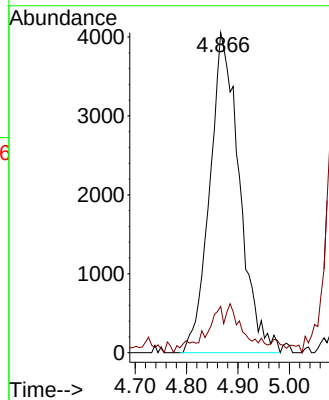
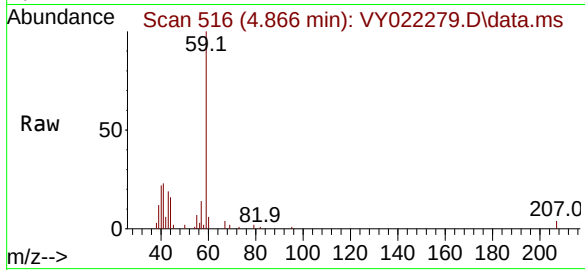
Ion Ratio Lower Upper

59 100

57 5.8 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#12

1,1-Dichloroethene

Concen: 20.793 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

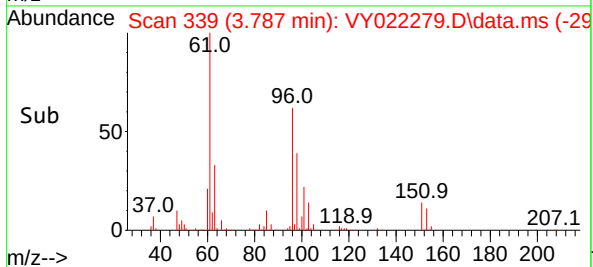
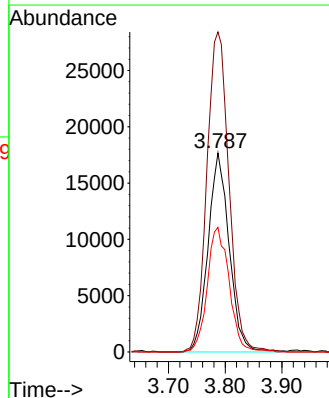
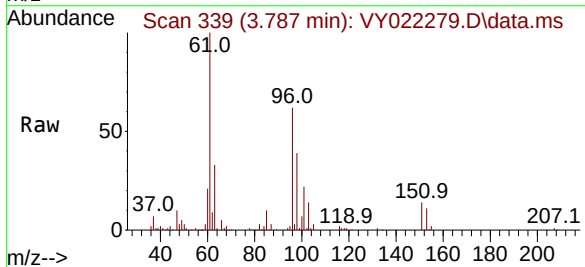
Tgt Ion: 96 Resp: 45611

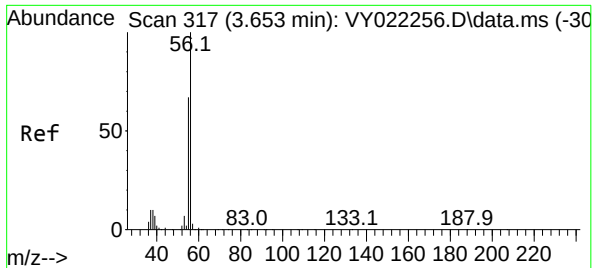
Ion Ratio Lower Upper

96 100

61 160.8 134.9 202.3

98 62.6 49.9 74.9





#13

Acrolein

Concen: 90.276 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 56 Resp: 2258

Ion Ratio Lower Upper

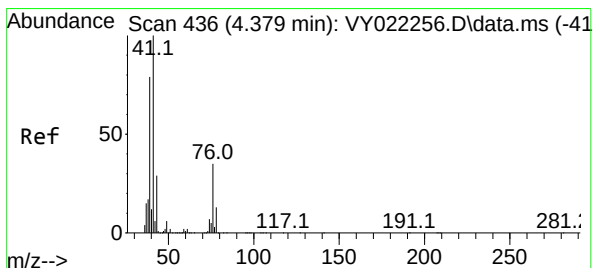
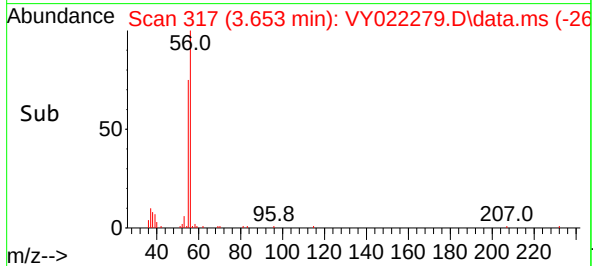
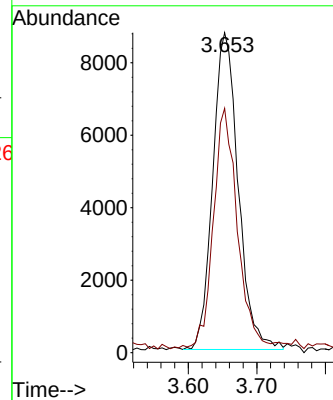
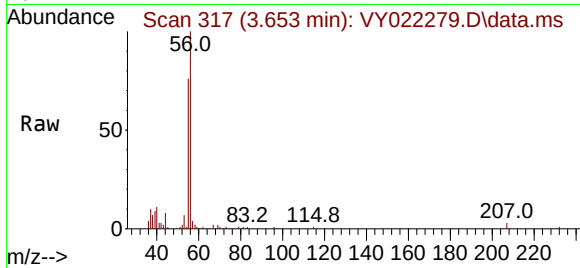
56 100

55 71.4 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#14

Allyl chloride

Concen: 19.939 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

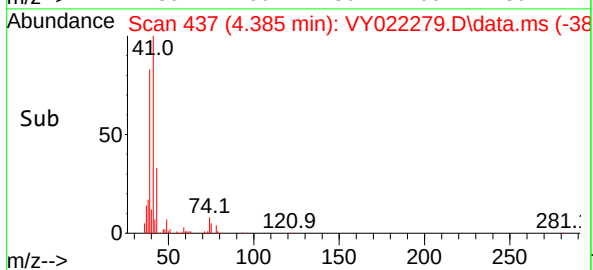
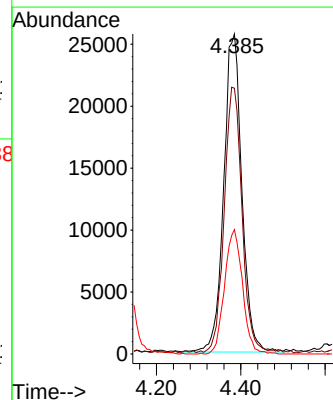
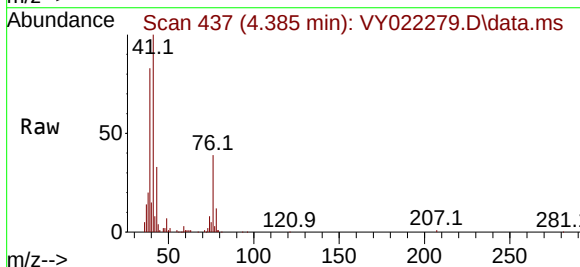
Tgt Ion: 41 Resp: 76691

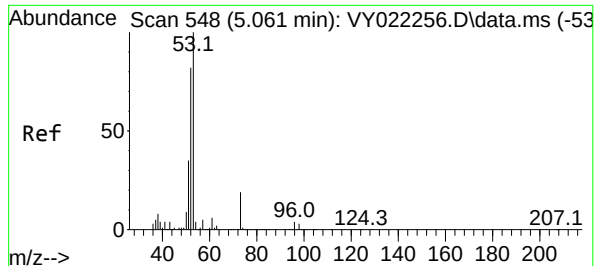
Ion Ratio Lower Upper

41 100

39 81.3 63.4 95.0

76 38.7 29.5 44.3





#15

Acrylonitrile

Concen: 97.735 ug/l

RT: 5.061 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 53 Resp: 49210

Ion Ratio Lower Upper

53 100

52 81.2 66.1 99.1

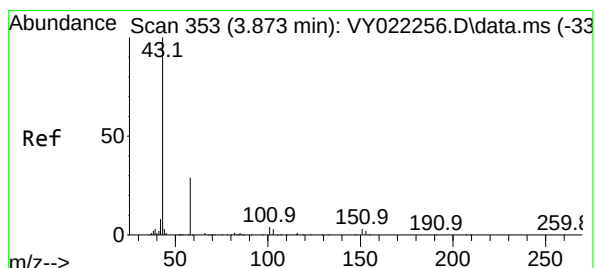
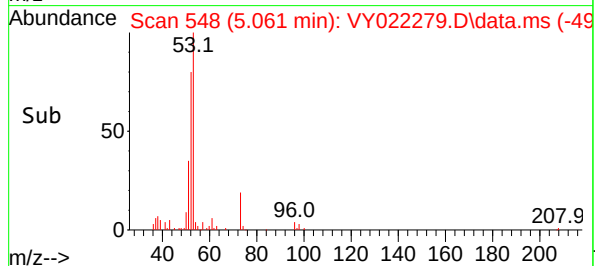
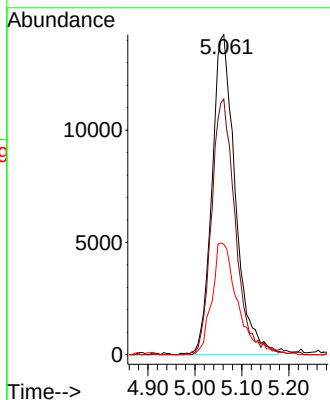
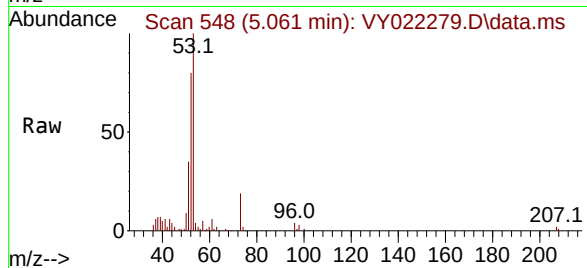
51 38.6 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#16

Acetone

Concen: 85.545 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.006 min

Lab File: VY022279.D

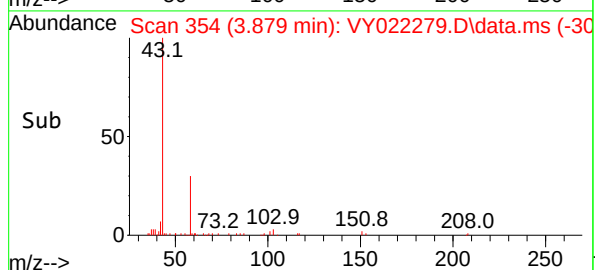
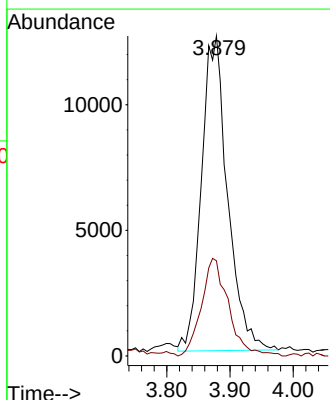
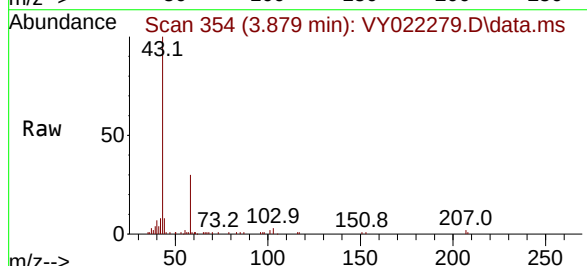
Acq: 16 May 2025 10:09

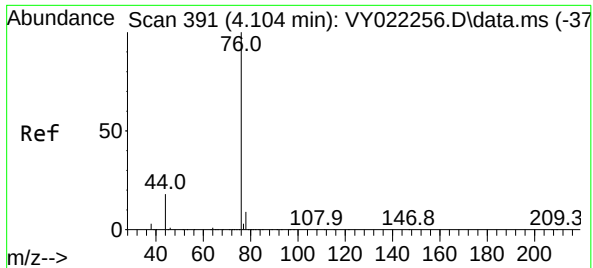
Tgt Ion: 43 Resp: 35951

Ion Ratio Lower Upper

43 100

58 30.3 23.6 35.4





#17

Carbon Disulfide

Concen: 20.702 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 76 Resp: 14808

Ion Ratio Lower Upper

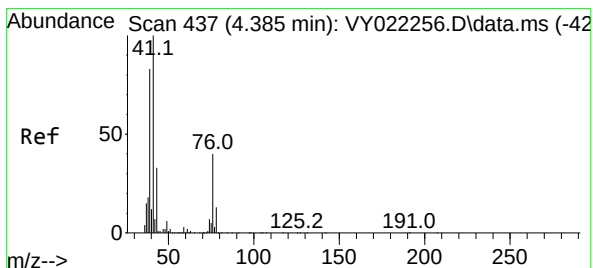
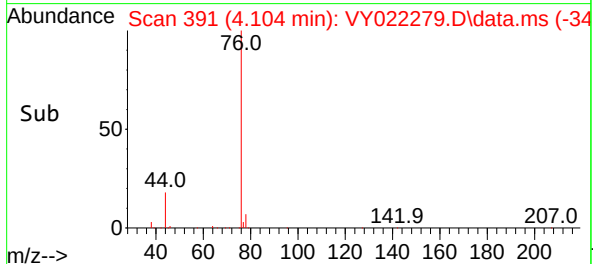
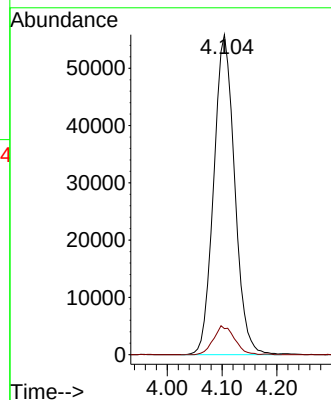
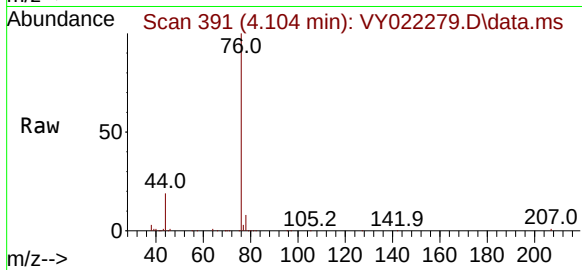
76 100

78 8.2 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#18

Methyl Acetate

Concen: 19.757 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY022279.D

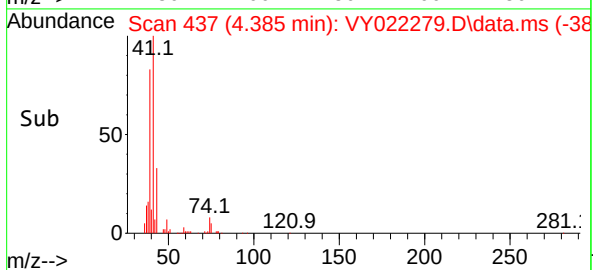
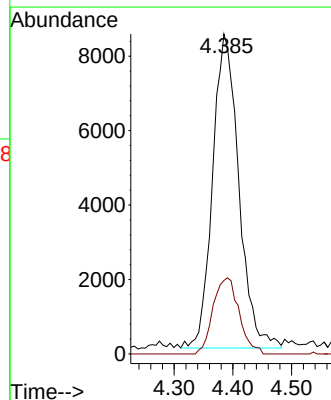
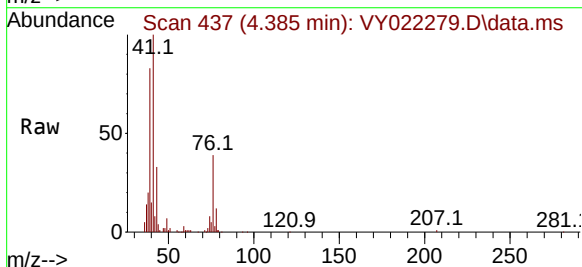
Acq: 16 May 2025 10:09

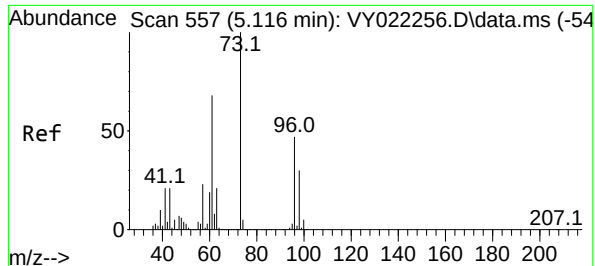
Tgt Ion: 43 Resp: 26179

Ion Ratio Lower Upper

43 100

74 24.0 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 20.286 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 73 Resp: 12269

Ion Ratio Lower Upper

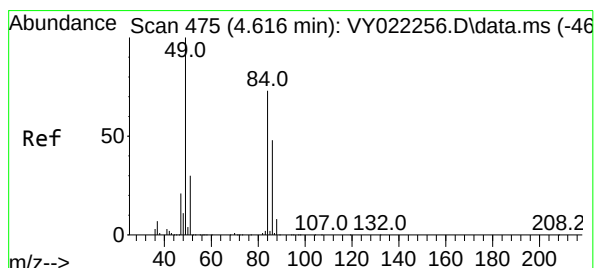
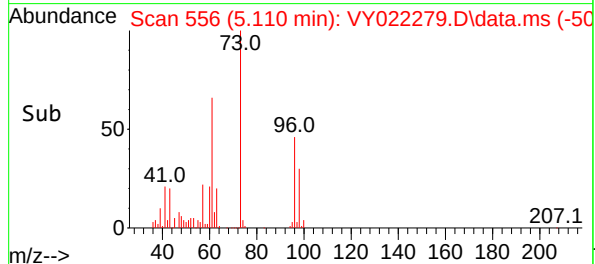
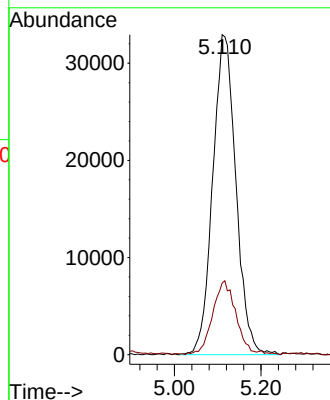
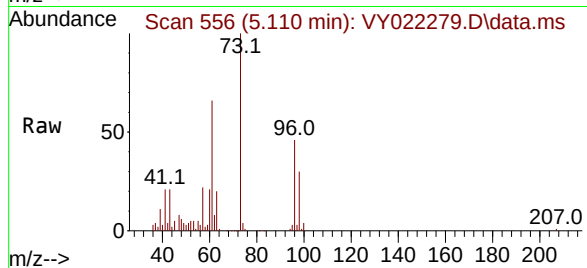
73 100

57 22.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#20

Methylene Chloride

Concen: 19.987 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Tgt Ion: 84 Resp: 54277

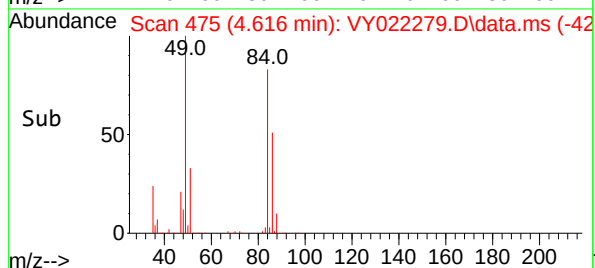
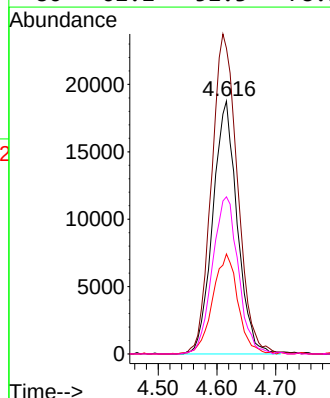
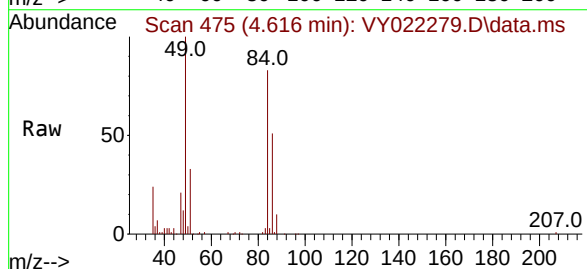
Ion Ratio Lower Upper

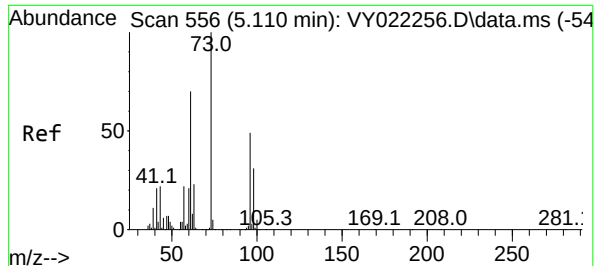
84 100

49 120.7 109.6 164.4

51 39.3 32.4 48.6

86 62.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.457 ug/l

RT: 5.116 min Scan# 511

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 96 Resp: 4953

Ion Ratio Lower Upper

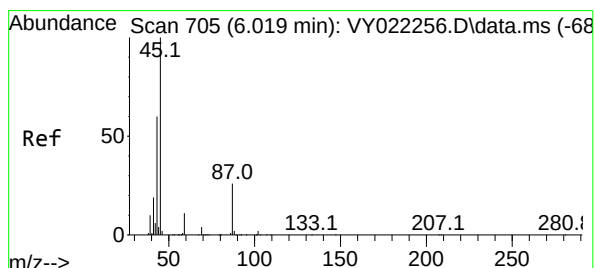
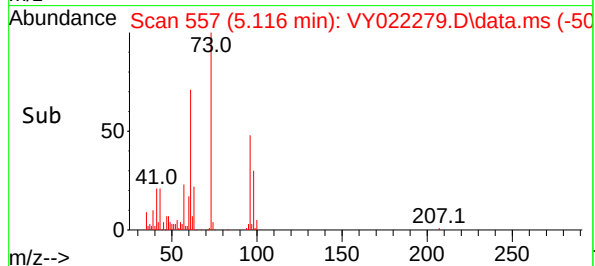
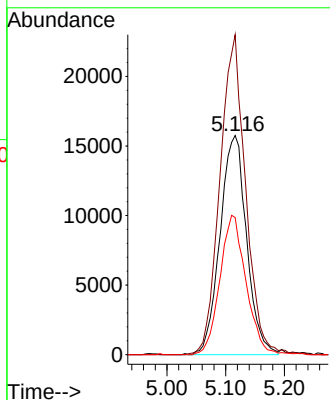
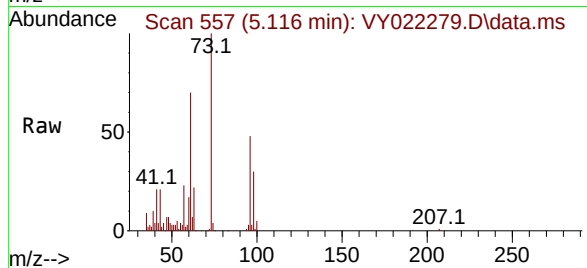
96 100

61 146.0 113.4 170.0

98 62.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#22

Diisopropyl ether

Concen: 19.788 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Tgt Ion: 45 Resp: 160728

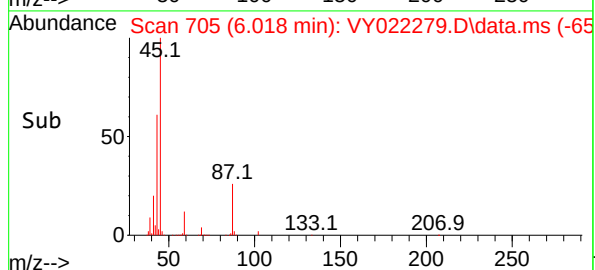
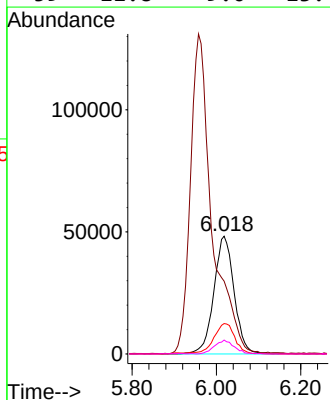
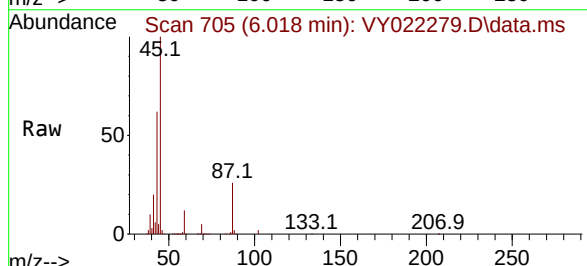
Ion Ratio Lower Upper

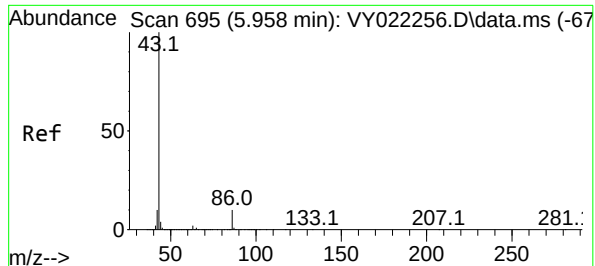
45 100

43 60.7 48.2 72.2

87 25.7 21.4 32.0

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 94.709 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 43 Resp: 464752

Ion Ratio Lower Upper

43

100

86

10.3

7.8

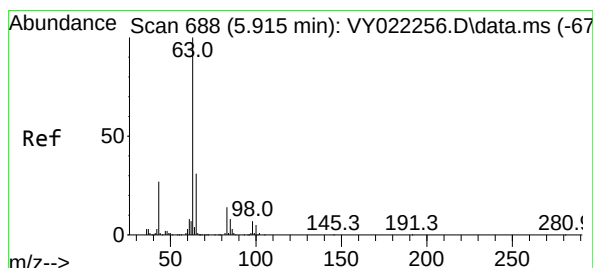
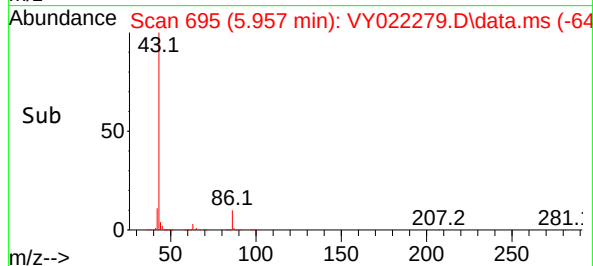
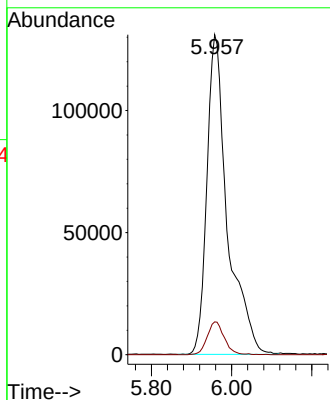
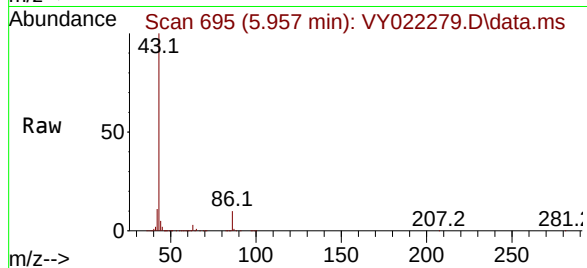
11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#24

1,1-Dichloroethane

Concen: 20.290 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 92075

Ion Ratio Lower Upper

63

100

98

7.2

3.5

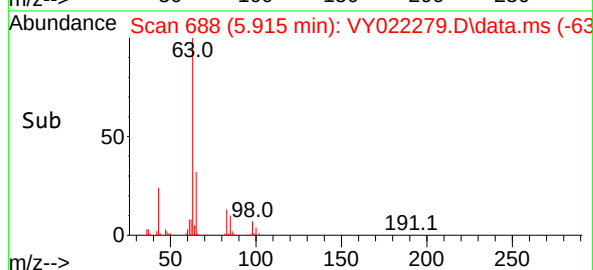
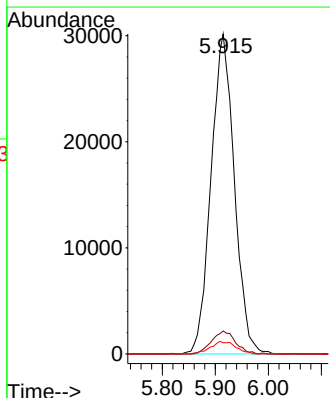
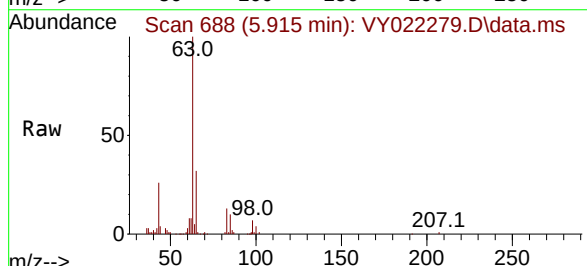
10.5

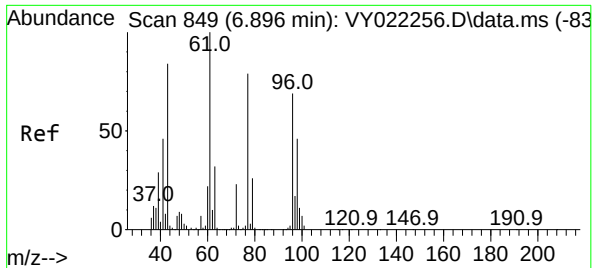
100

3.5

2.4

7.2





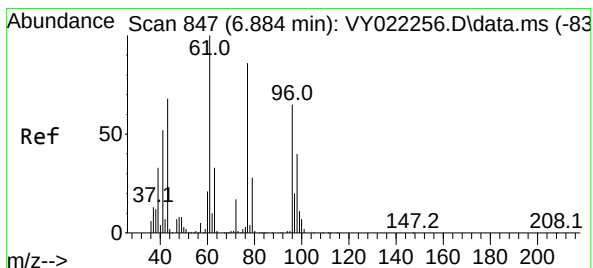
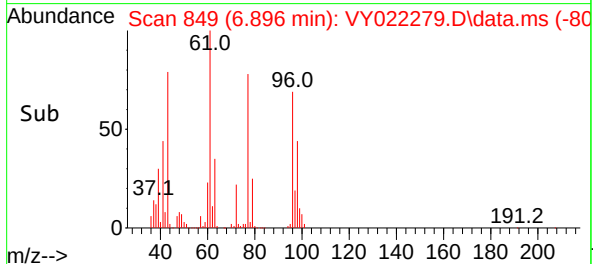
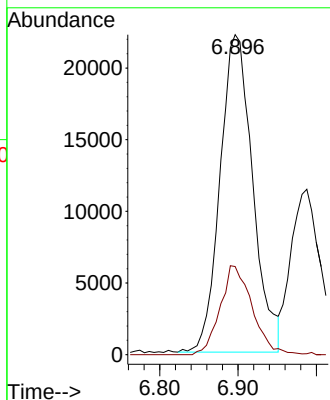
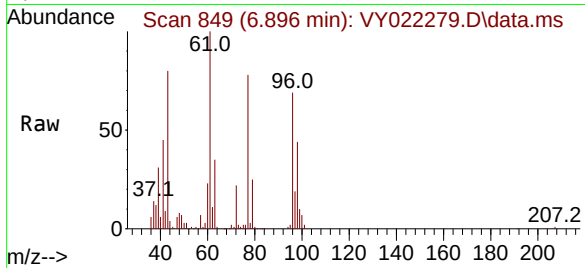
#25
2-Butanone
Concen: 91.546 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 64354
Ion Ratio Lower Upper
43 100
72 27.8 22.1 33.1

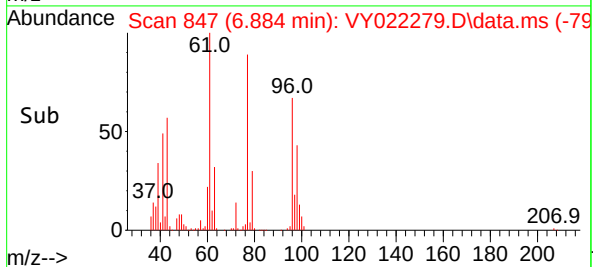
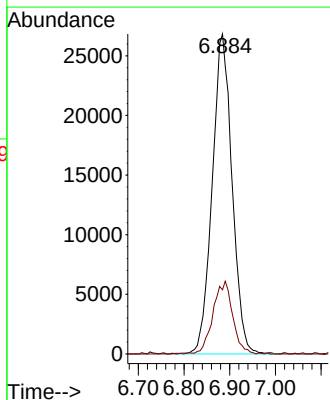
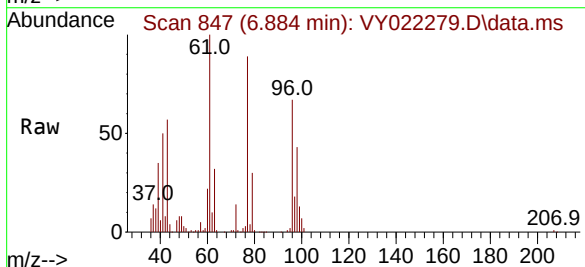
Manual Integrations
APPROVED

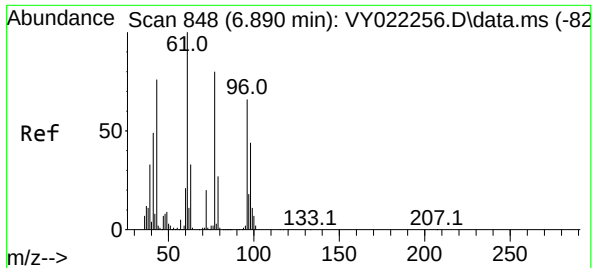
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#26
2,2-Dichloropropane
Concen: 20.039 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

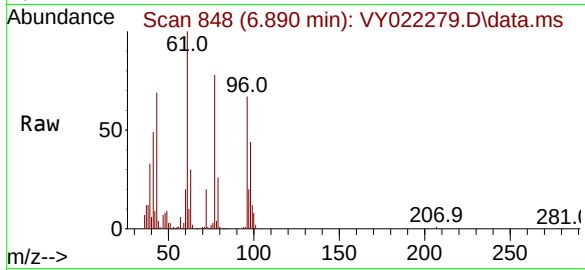
Tgt Ion: 77 Resp: 80883
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27
 cis-1,2-Dichloroethene
 Concen: 20.572 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY022279.D
 Acq: 16 May 2025 10:09

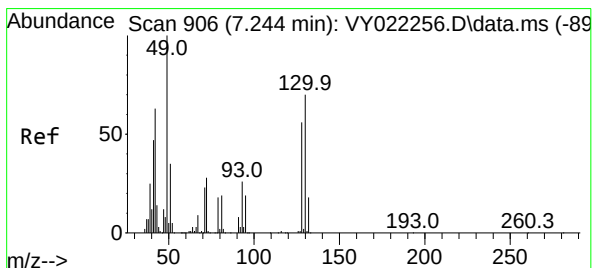
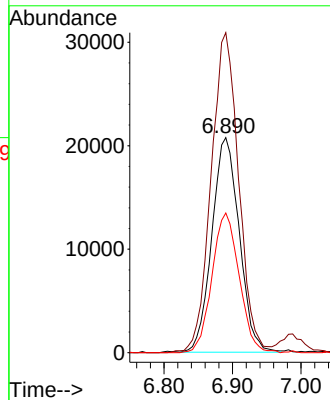
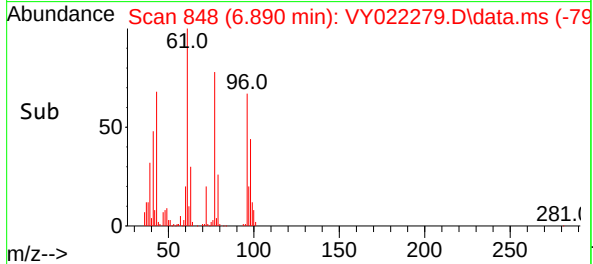
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01



Tgt Ion: 96 Resp: 57480
 Ion Ratio Lower Upper
 96 100
 61 150.3 0.0 302.6
 98 64.6 0.0 128.8

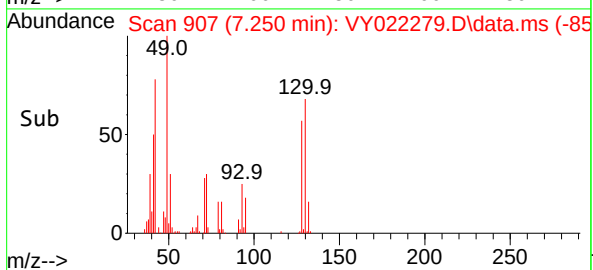
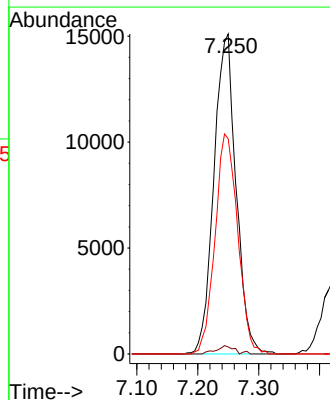
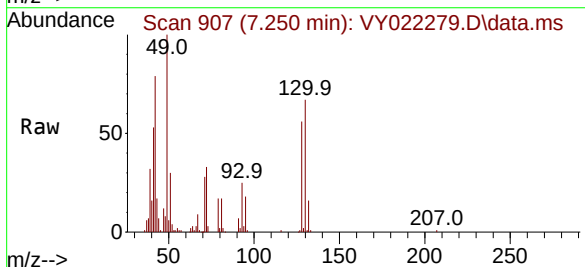
Manual Integrations
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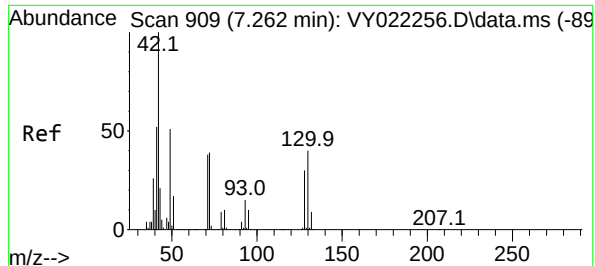
Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#28
 Bromochloromethane
 Concen: 19.722 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY022279.D
 Acq: 16 May 2025 10:09

Tgt Ion: 49 Resp: 38175
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 70.3 54.7 82.1





#29

Tetrahydrofuran

Concen: 95.450 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 42 Resp: 43168

Ion Ratio Lower Upper

42 100

72 44.9 33.8 50.6

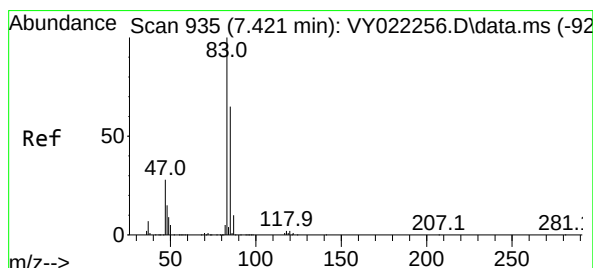
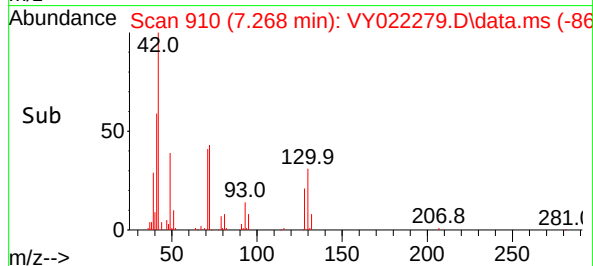
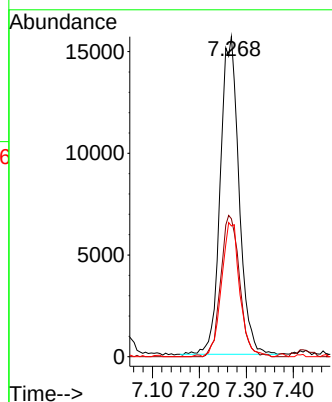
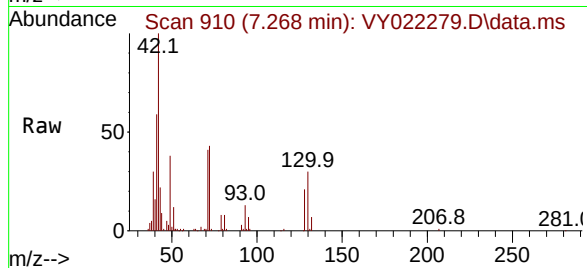
71 41.4 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#30

Chloroform

Concen: 20.889 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022279.D

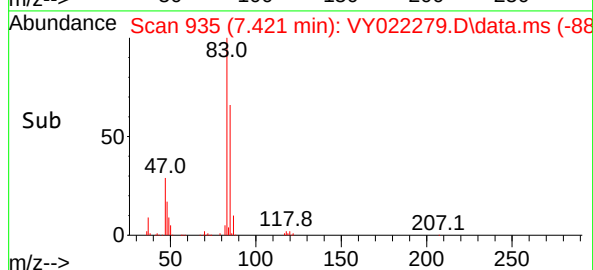
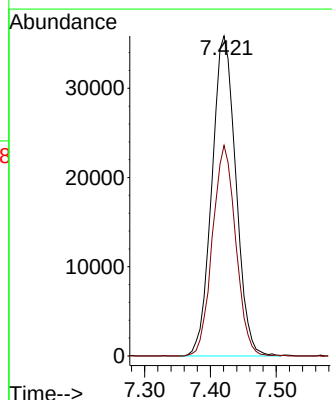
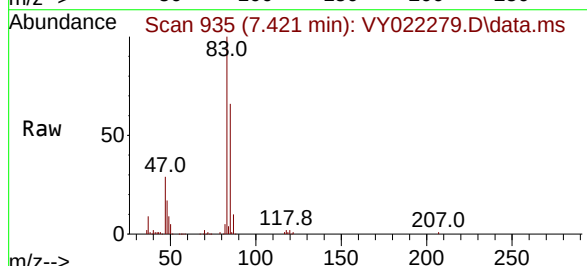
Acq: 16 May 2025 10:09

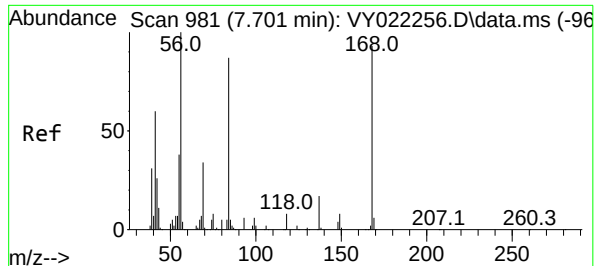
Tgt Ion: 83 Resp: 90925

Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.8





#31

Cyclohexane

Concen: 19.756 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 56 Resp: 89570

Ion Ratio Lower Upper

56 100

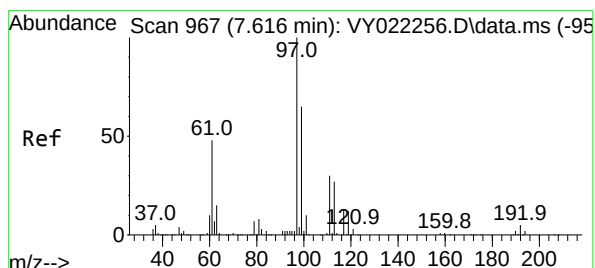
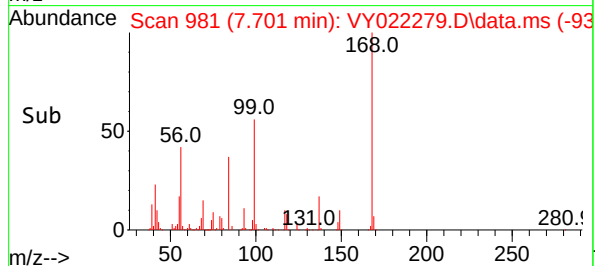
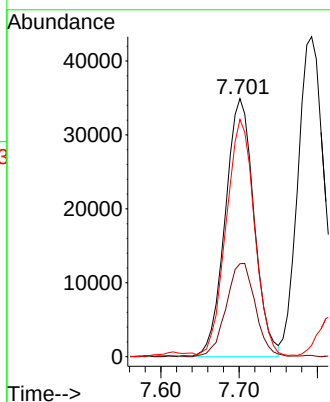
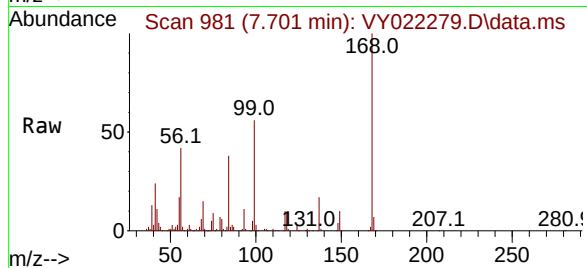
69 35.8 27.4 41.2

84 90.5 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 20.641 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

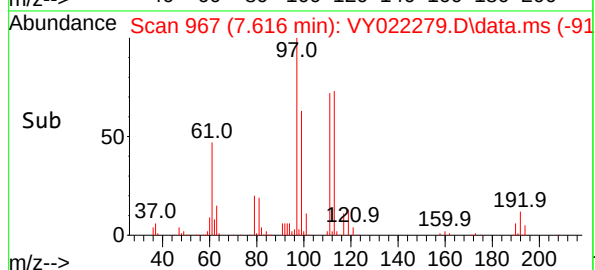
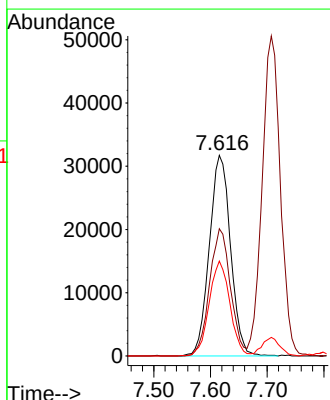
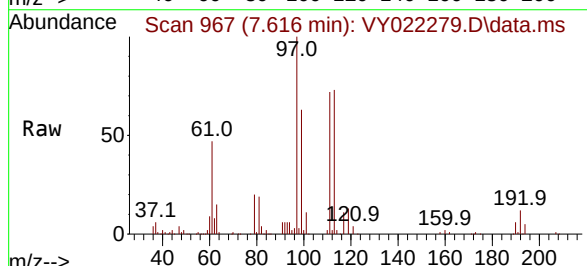
Tgt Ion: 97 Resp: 82428

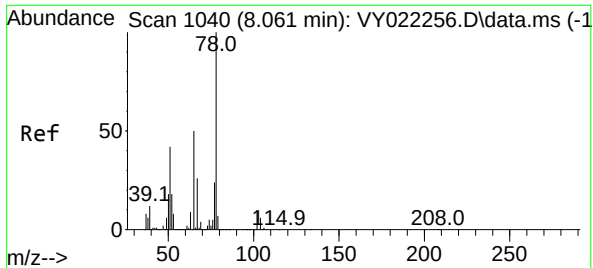
Ion Ratio Lower Upper

97 100

99 62.5 51.4 77.0

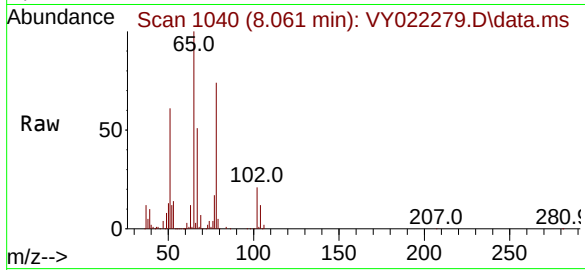
61 46.2 38.1 57.1





#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

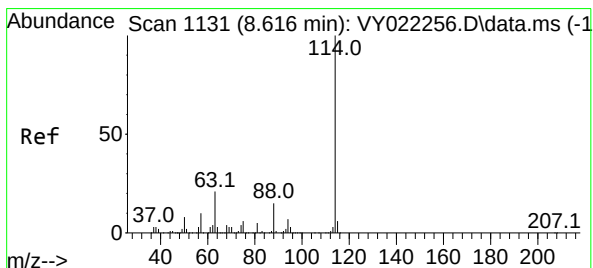
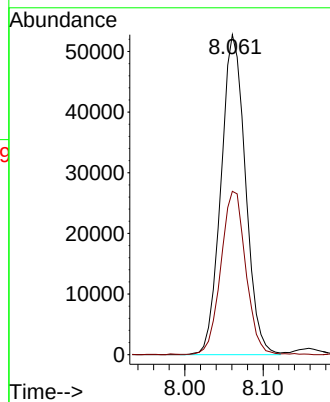
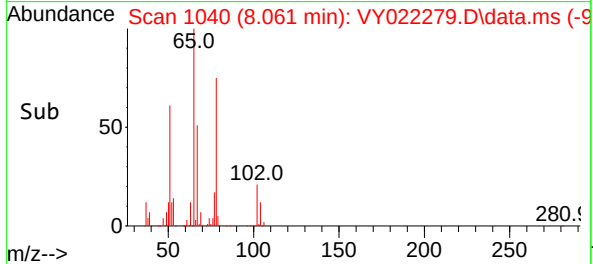
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 65 Resp: 114572
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

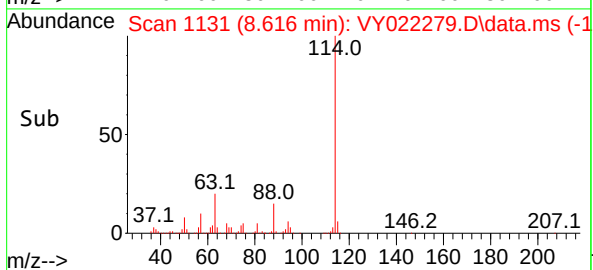
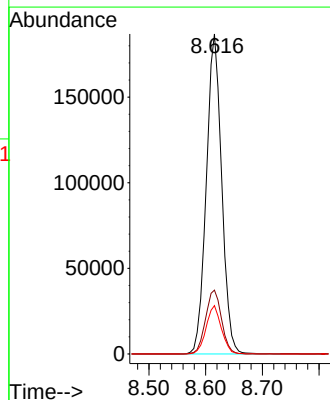
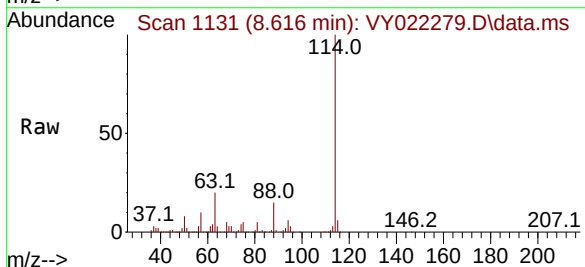
Manual Integrations
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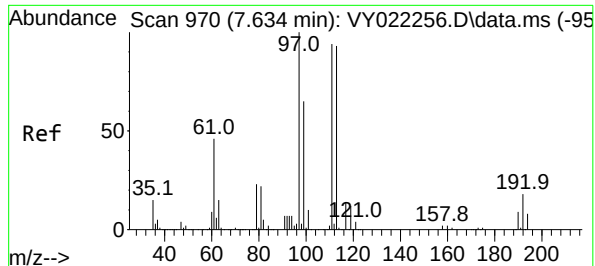
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:114 Resp: 351708
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.809 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:113 Resp: 106659

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

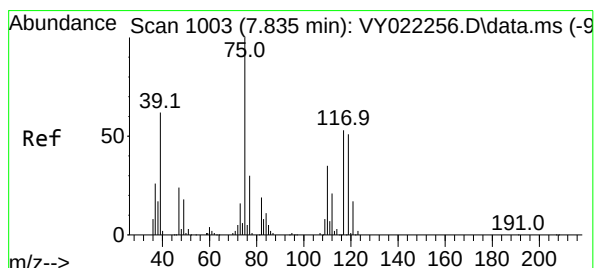
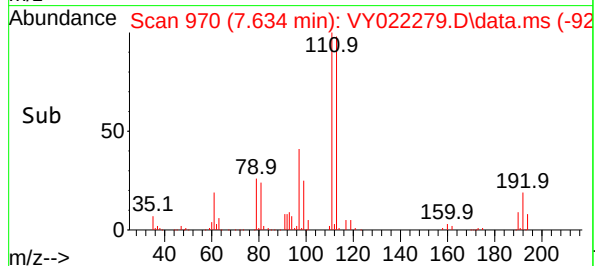
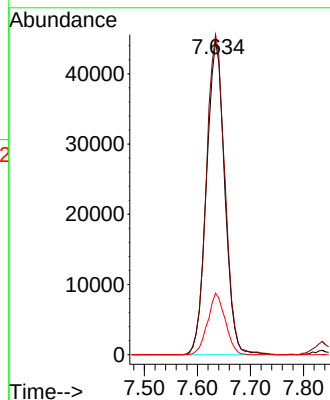
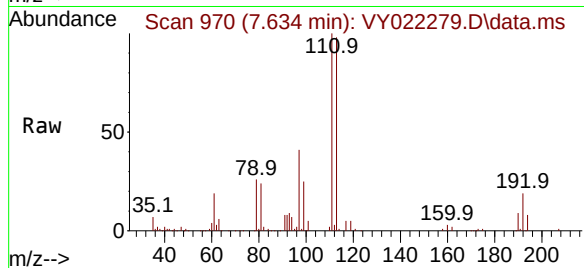
192 19.0 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#36

1,1-Dichloropropene

Concen: 19.498 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

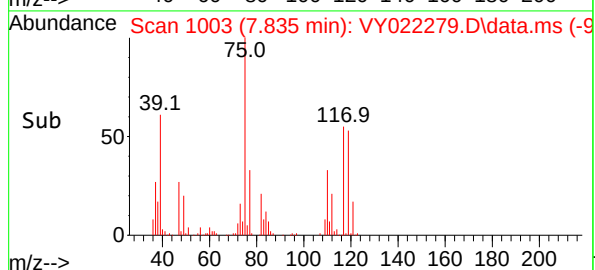
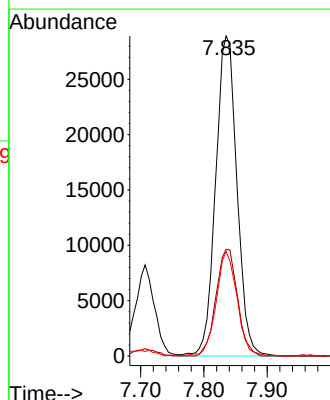
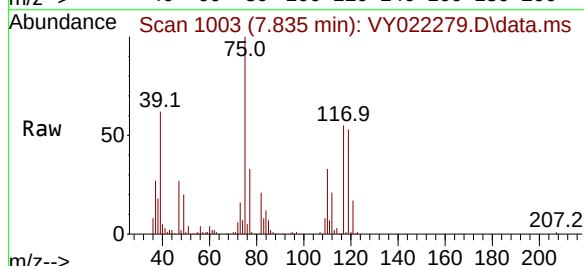
Tgt Ion: 75 Resp: 67416

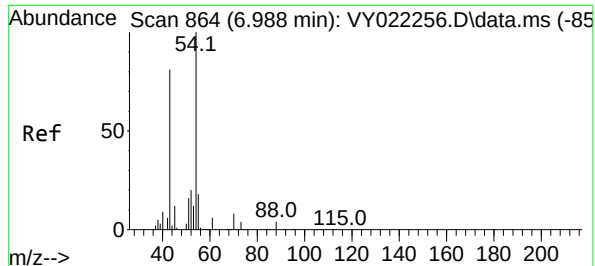
Ion Ratio Lower Upper

75 100

110 33.7 16.6 49.8

77 32.0 24.6 37.0





#37

Ethyl Acetate

Concen: 18.206 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 43 Resp: 30289

Ion Ratio Lower Upper

43 100

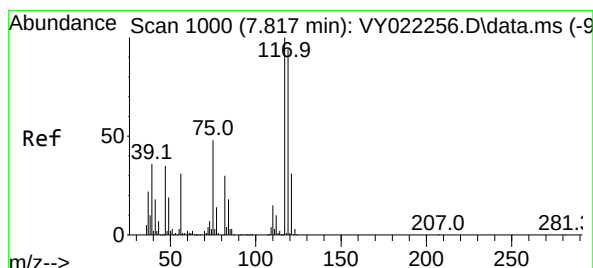
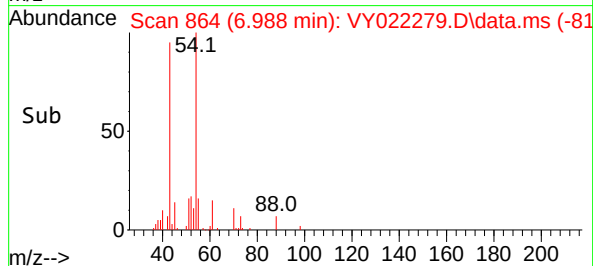
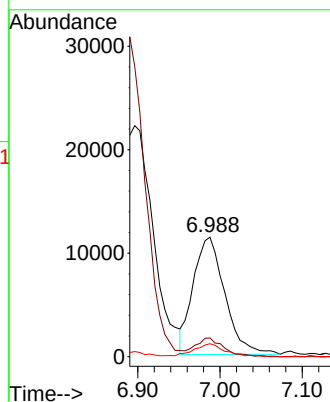
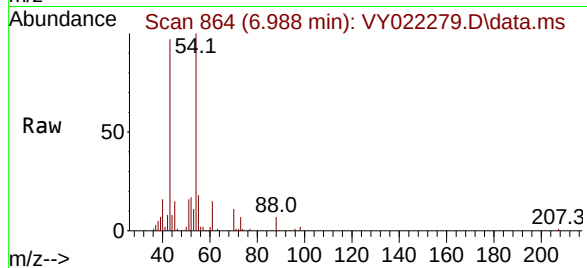
61 14.3 10.2 15.2

70 10.9 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#38

Carbon Tetrachloride

Concen: 19.833 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

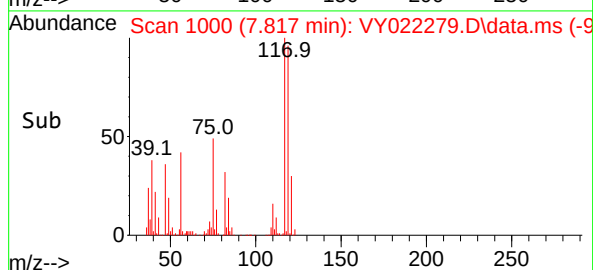
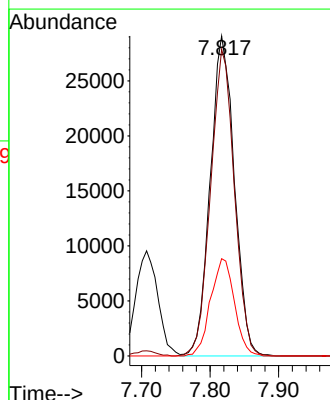
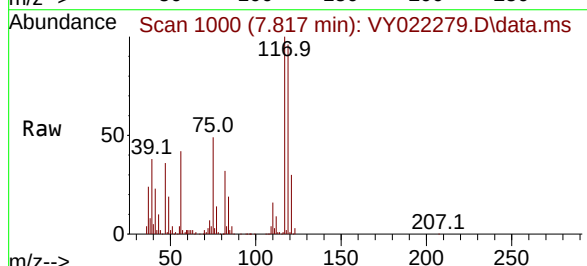
Tgt Ion:117 Resp: 70982

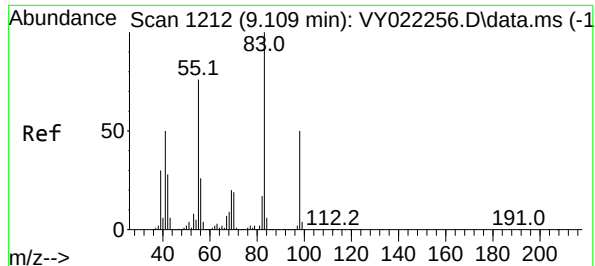
Ion Ratio Lower Upper

117 100

119 95.8 75.3 112.9

121 30.4 24.7 37.1





#39

Methylcyclohexane

Concen: 19.583 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

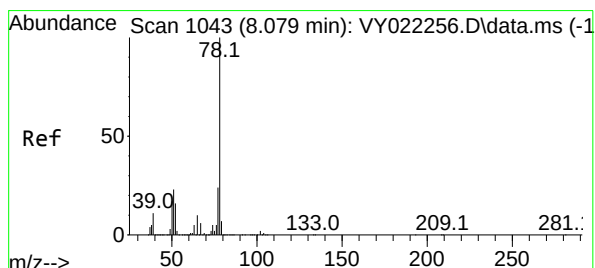
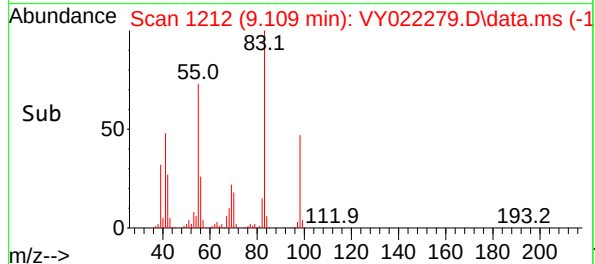
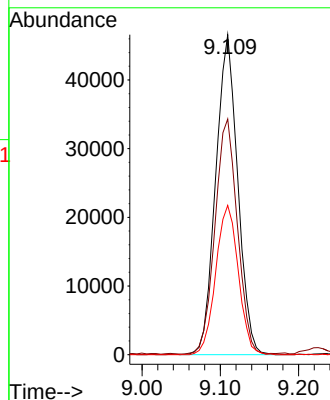
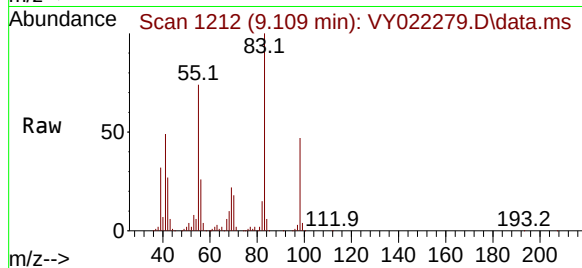
VY0516SBS01

Tgt Ion:	83	Resp:	9096
Ion Ratio	Lower	Upper	
83	100		
55	73.5	60.6	90.8
98	46.6	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#40

Benzene

Concen: 20.100 ug/l

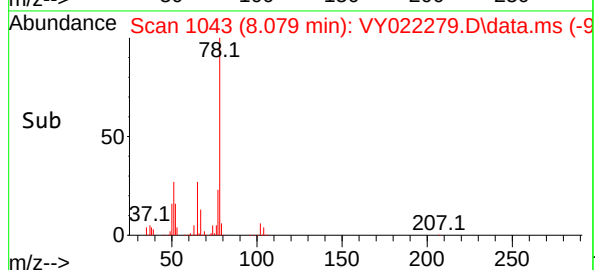
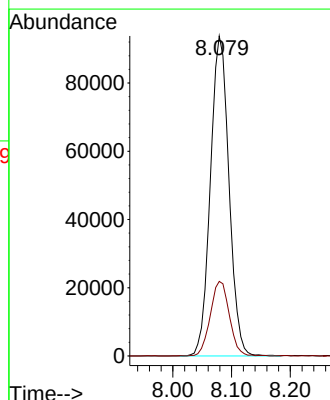
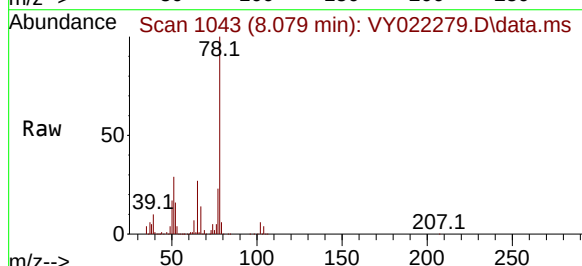
RT: 8.079 min Scan# 1043

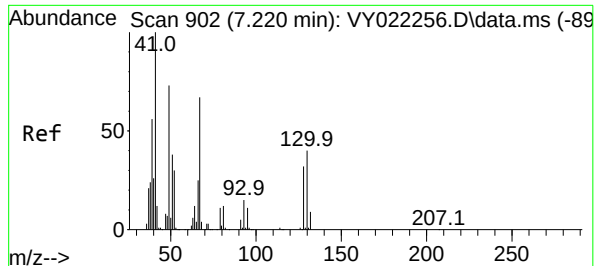
Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

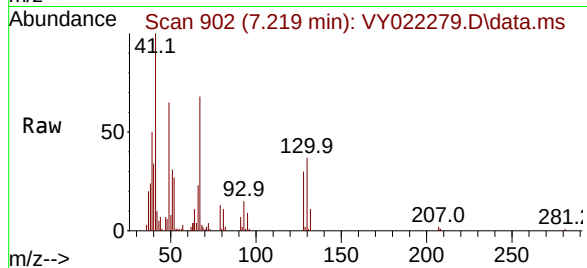
Tgt Ion:	78	Resp:	206032
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.9	28.3





#41
Methacrylonitrile
Concen: 18.760 ug/l m
RT: 7.219 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

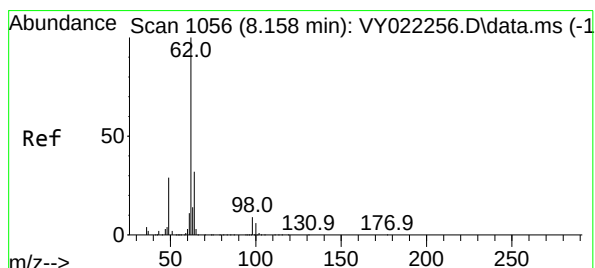
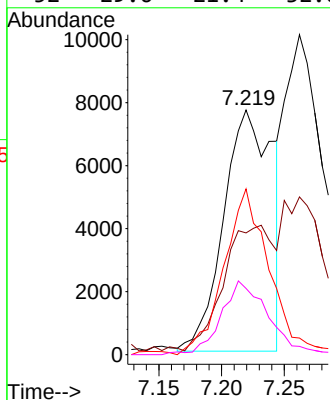
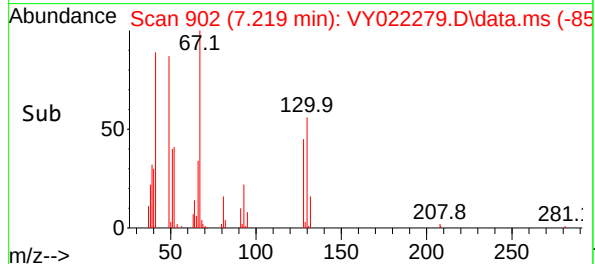
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 41 Resp: 2070
Ion Ratio Lower Upper
41 100
39 53.7 39.1 58.7
67 64.4 47.1 70.7
52 29.6 21.4 32.0

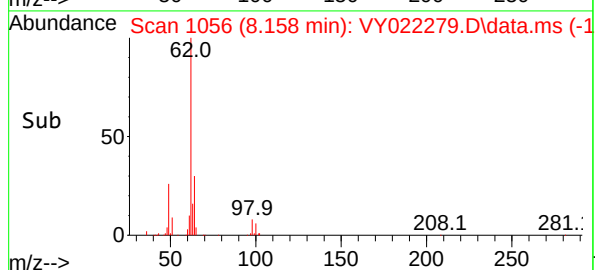
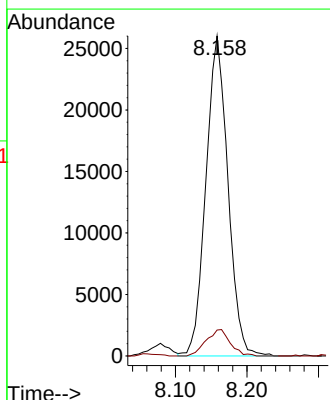
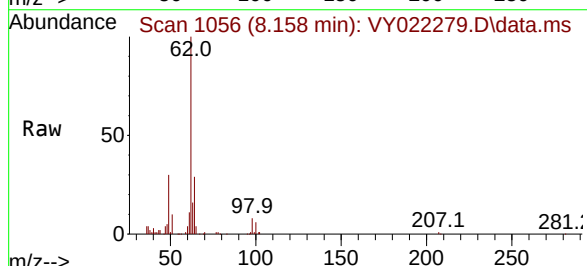
Manual Integrations
APPROVED

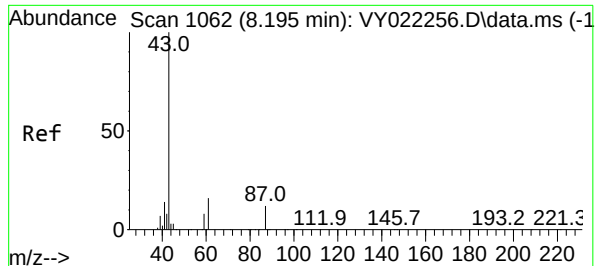
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 55663
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.350 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

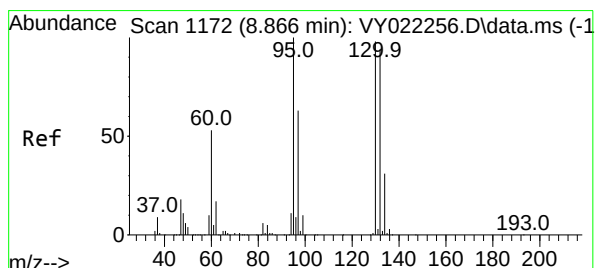
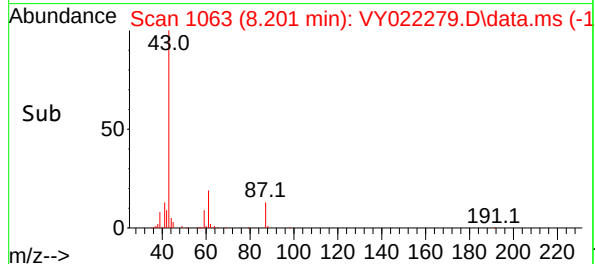
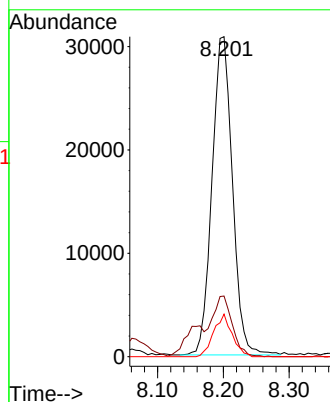
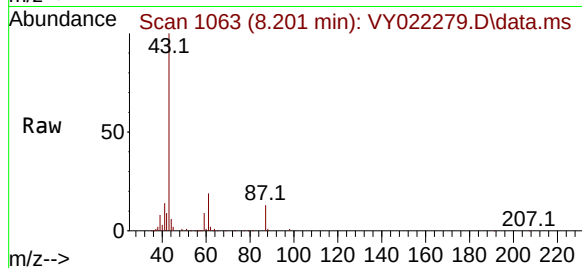
VY0516SBS01

Tgt Ion: 43	Resp: 6657
Ion Ratio	Lower Upper
43 100	
61 19.0	15.1 22.7
87 12.1	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#44

Trichloroethene

Concen: 20.403 ug/l

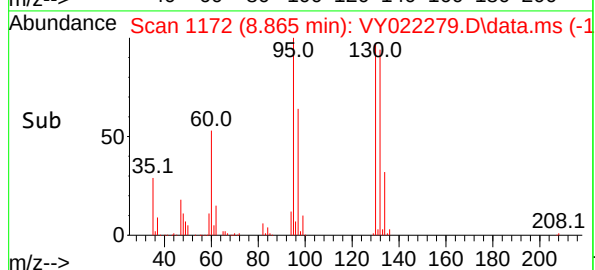
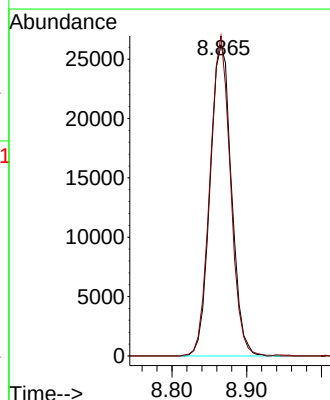
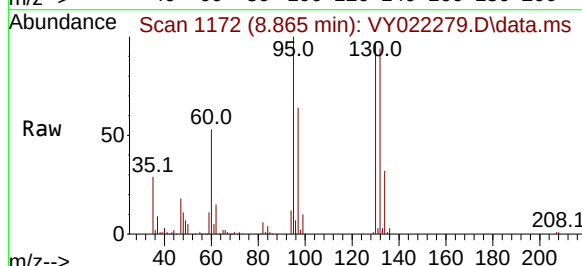
RT: 8.865 min Scan# 1172

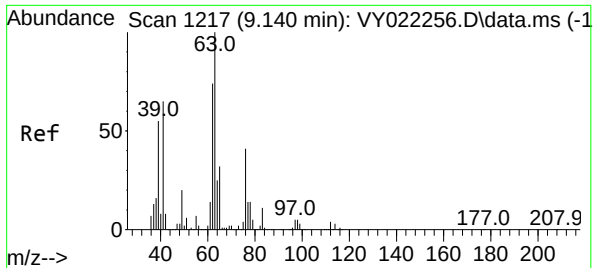
Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Tgt Ion:130	Resp: 52001
Ion Ratio	Lower Upper
130 100	
95 102.9	0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.433 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 63 Resp: 48024

Ion Ratio Lower Upper

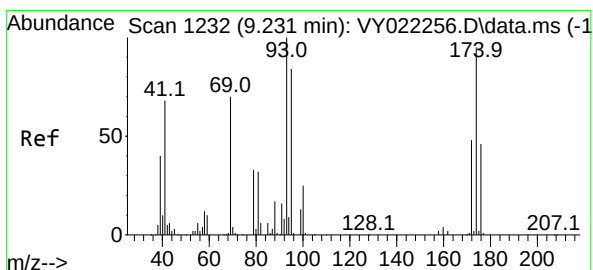
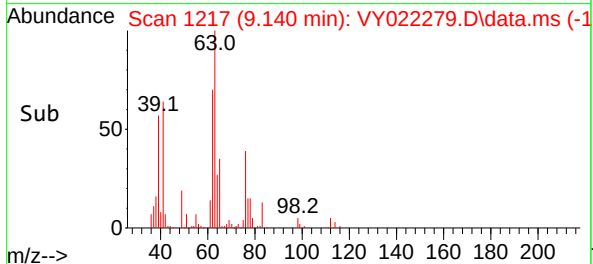
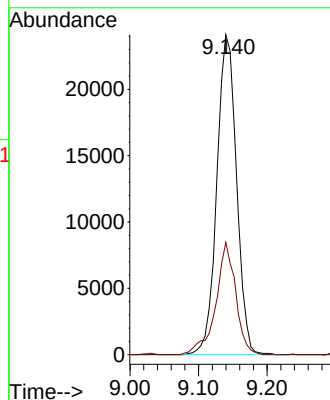
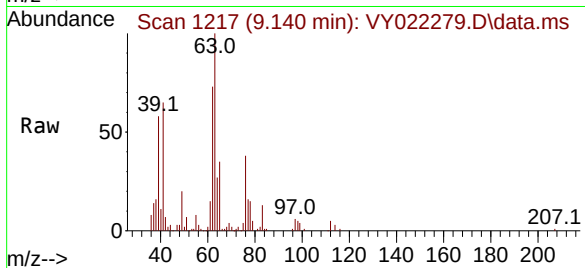
63 100

65 35.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#46

Dibromomethane

Concen: 19.529 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

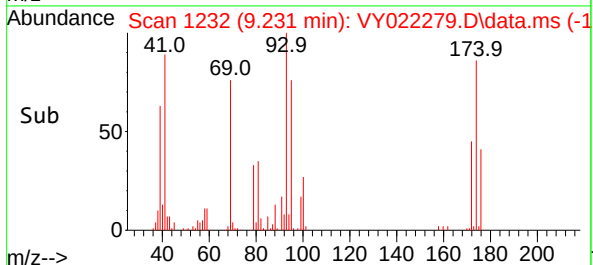
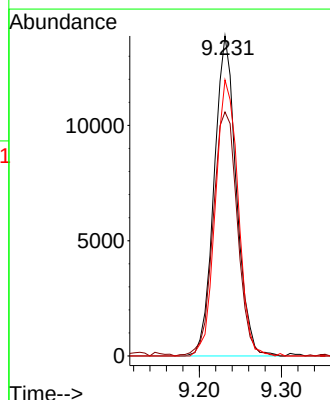
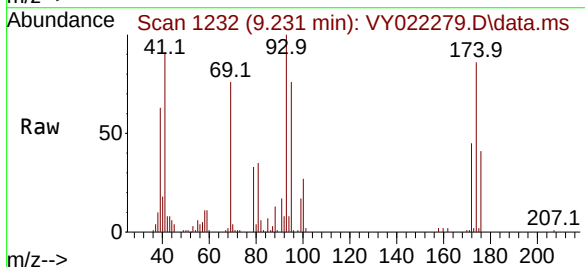
Tgt Ion: 93 Resp: 26030

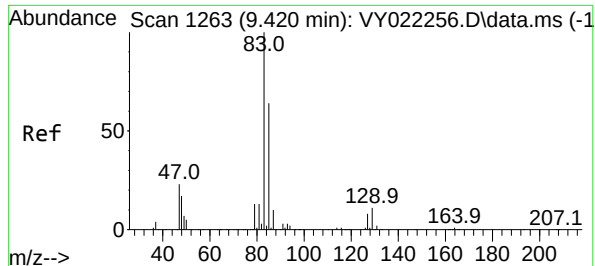
Ion Ratio Lower Upper

93 100

95 83.5 65.2 97.8

174 88.1 74.3 111.5





#47

Bromodichloromethane

Concen: 20.153 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 83 Resp: 6968

Ion Ratio Lower Upper

83 100

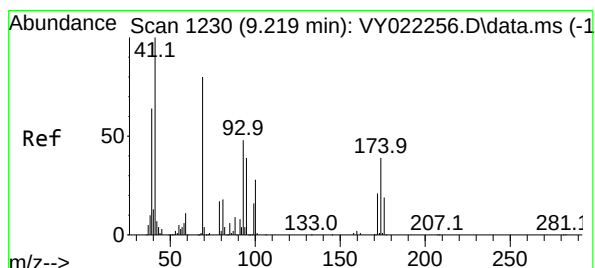
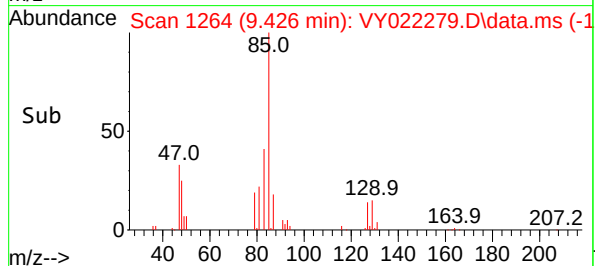
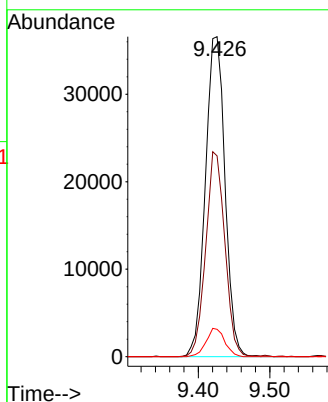
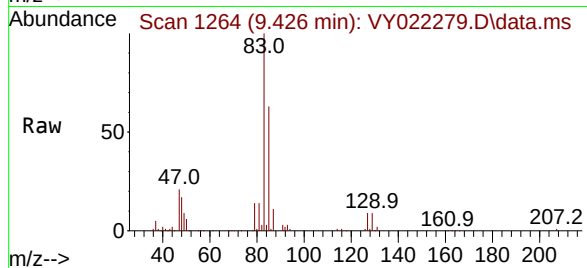
85 62.7 51.1 76.7

127 8.6 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#48

Methyl methacrylate

Concen: 18.429 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

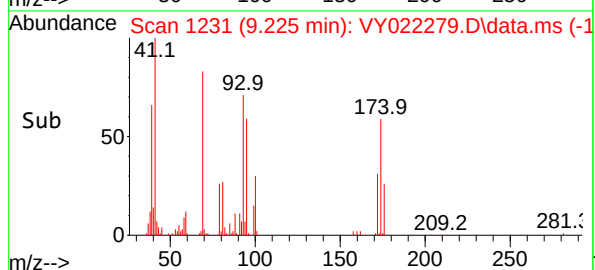
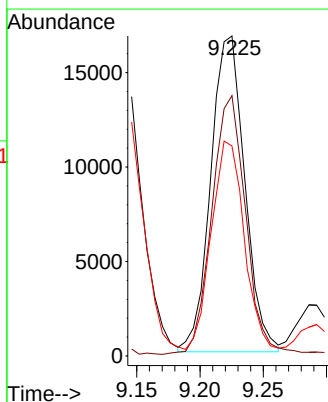
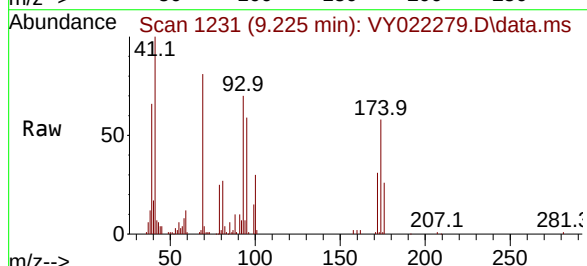
Tgt Ion: 41 Resp: 31270

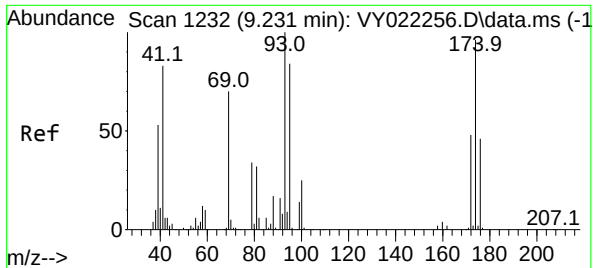
Ion Ratio Lower Upper

41 100

69 81.4 63.5 95.3

39 63.7 50.8 76.2





#49

1,4-Dioxane

Concen: 361.945 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 88 Resp: 5450

Ion Ratio Lower Upper

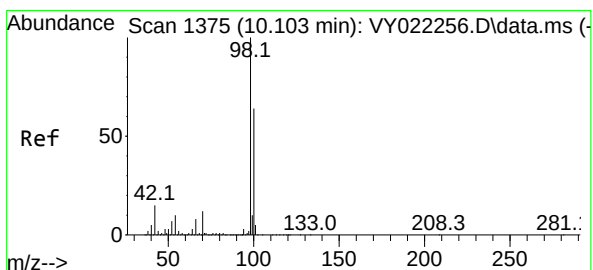
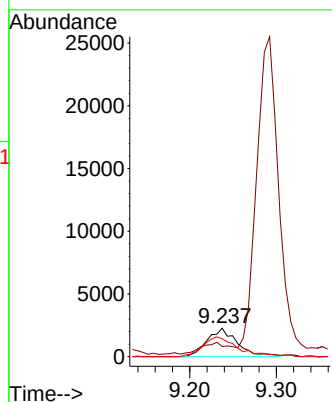
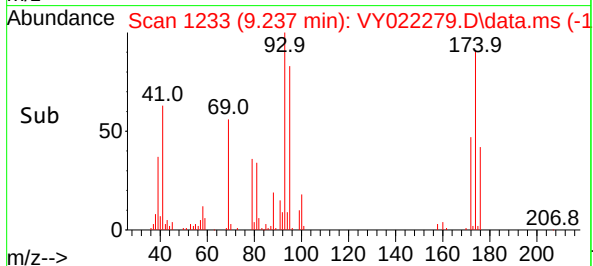
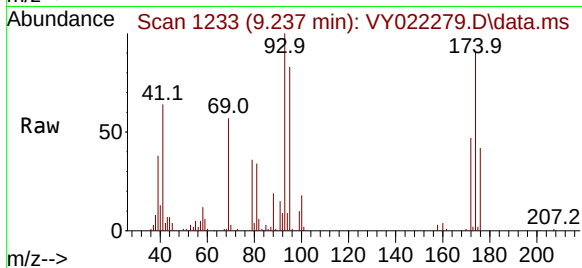
88 100

43 35.9 28.5 42.7

58 82.6 61.4 92.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#50

Toluene-d8

Concen: 50.903 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022279.D

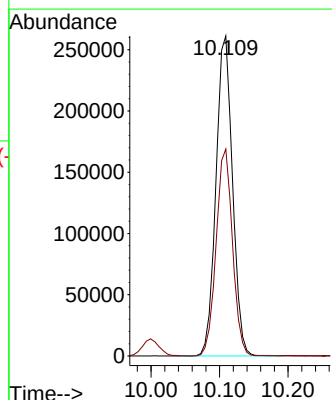
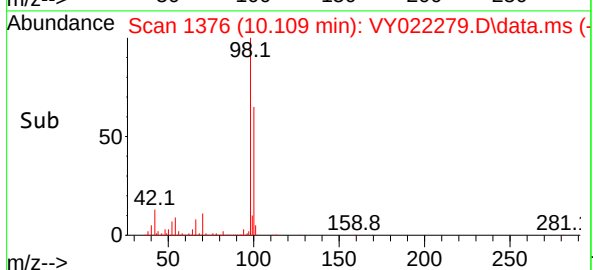
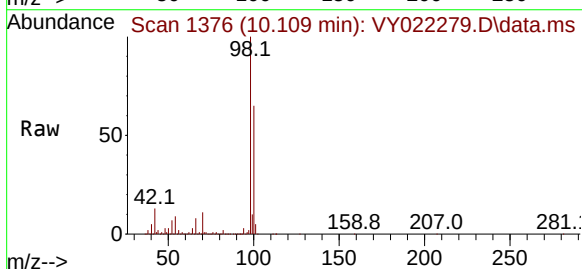
Acq: 16 May 2025 10:09

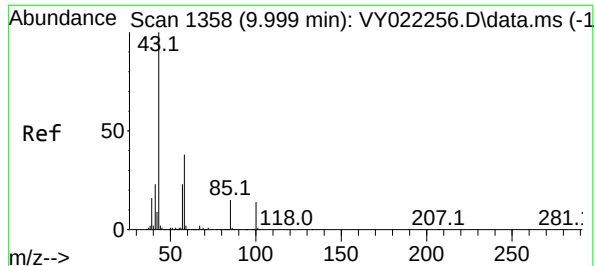
Tgt Ion: 98 Resp: 437632

Ion Ratio Lower Upper

98 100

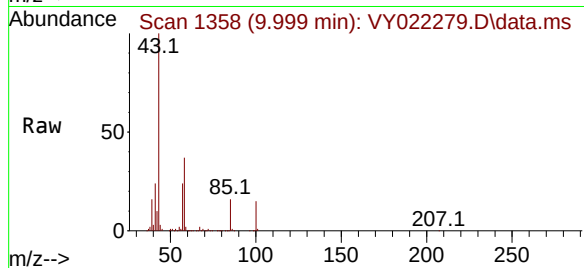
100 64.1 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 90.873 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

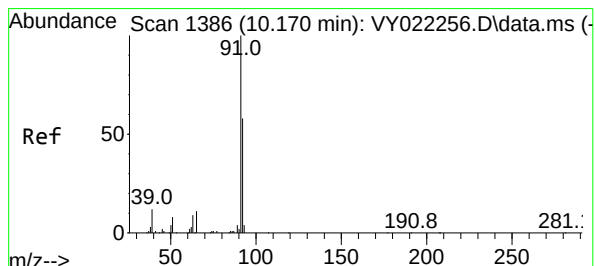
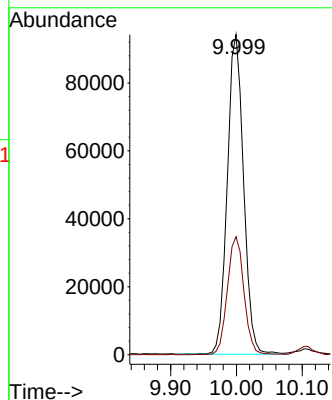
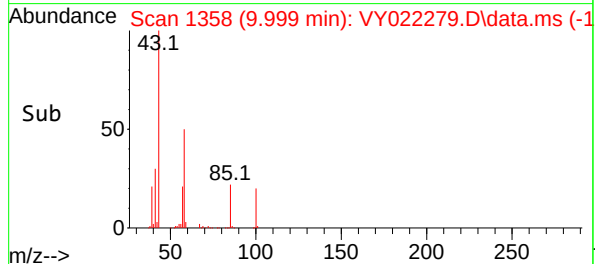
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 43 Resp: 161770
Ion Ratio Lower Upper
43 100
58 37.8 29.4 44.2

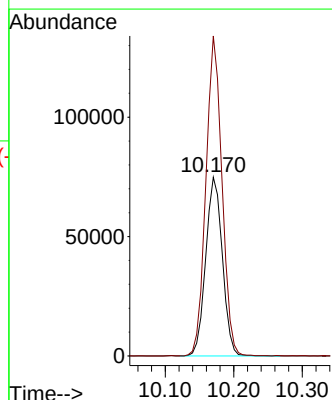
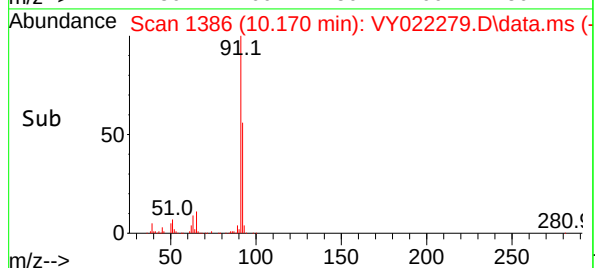
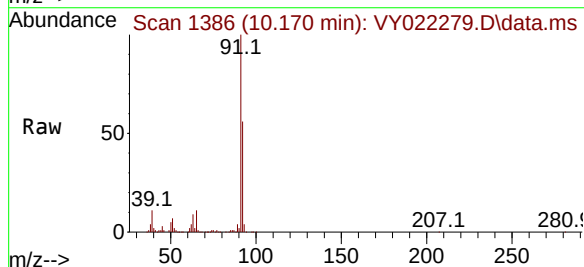
Manual Integrations
APPROVED

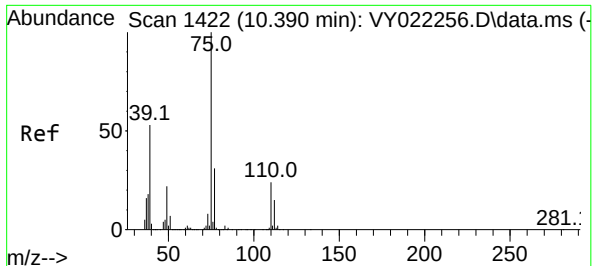
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 92 Resp: 126577
Ion Ratio Lower Upper
92 100
91 173.0 139.1 208.7





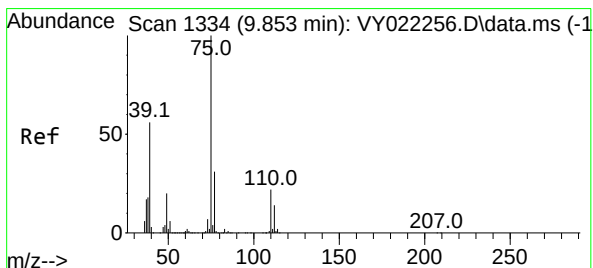
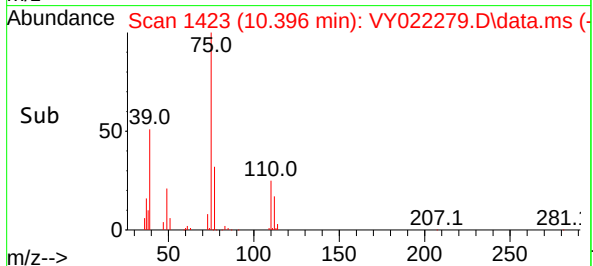
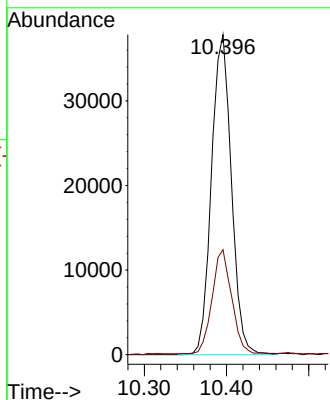
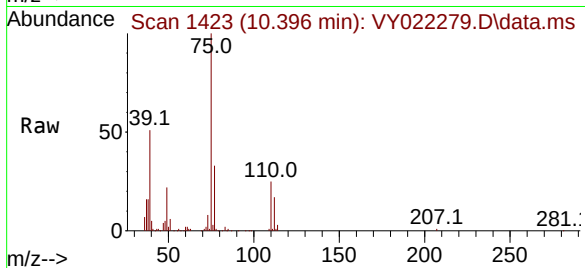
#53
t-1,3-Dichloropropene
Concen: 18.860 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 75 Resp: 6364
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6

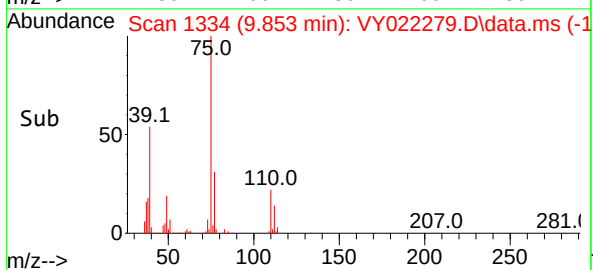
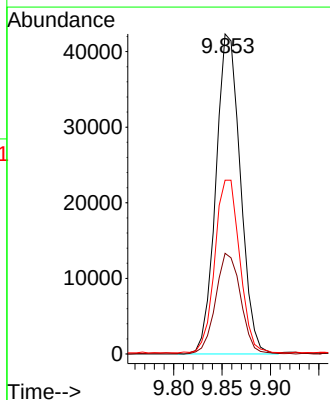
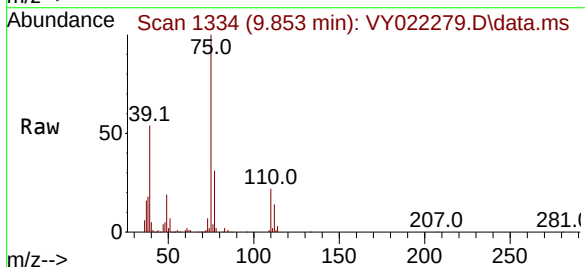
Manual Integrations
APPROVED

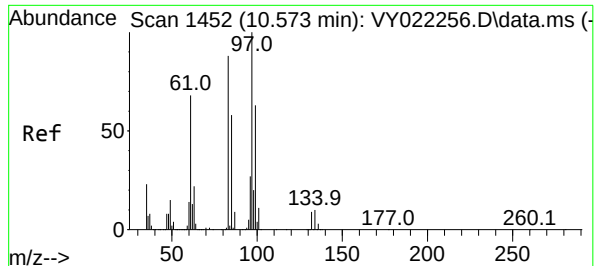
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

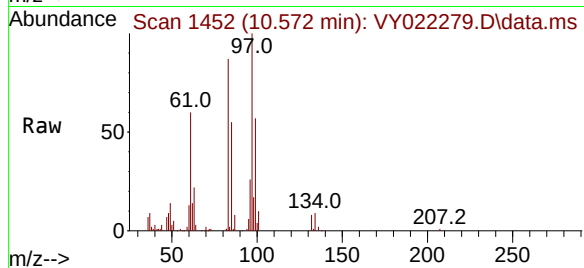
Tgt Ion: 75 Resp: 74469
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 54.0 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 19.714 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

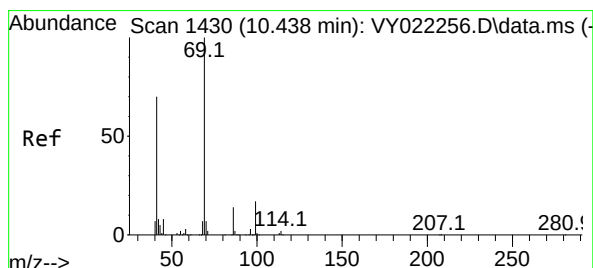
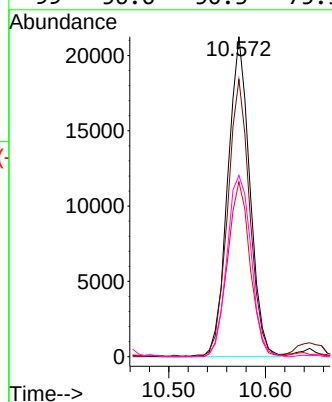
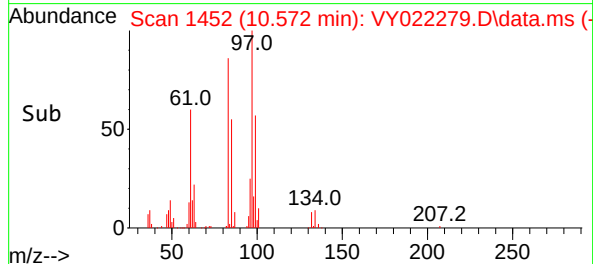
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



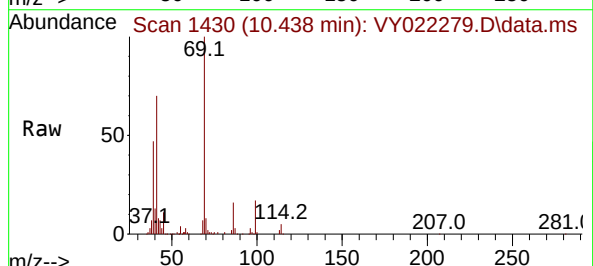
Tgt Ion: 97 Resp: 3364
Ion Ratio Lower Upper
97 100
83 86.4 70.3 105.5
85 54.7 46.2 69.4
99 56.6 50.3 75.5

Manual Integrations
APPROVED

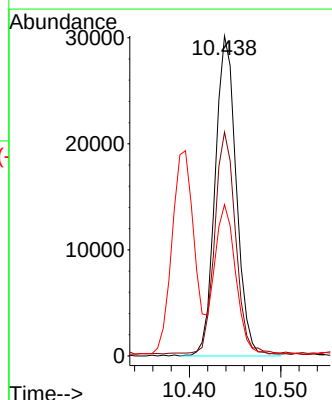
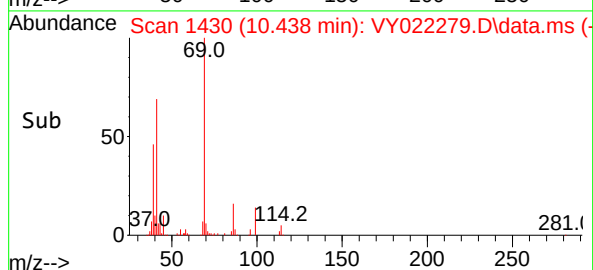
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

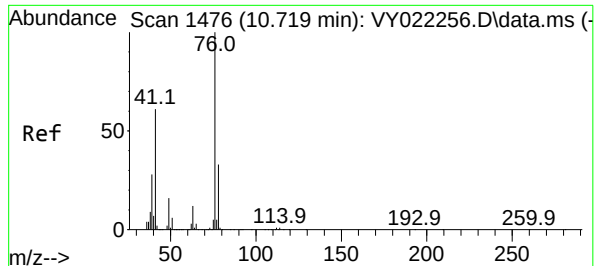


#56
Ethyl methacrylate
Concen: 18.299 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



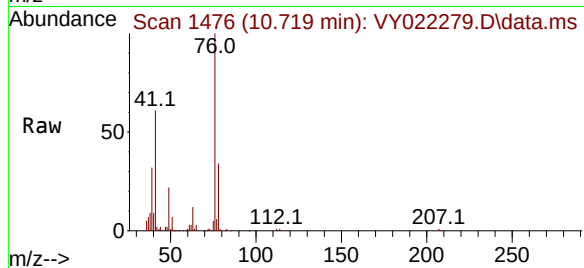
Tgt Ion: 69 Resp: 48650
Ion Ratio Lower Upper
69 100
41 68.1 56.5 84.7
39 44.5 37.1 55.7





#57
1,3-Dichloropropane
Concen: 19.185 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

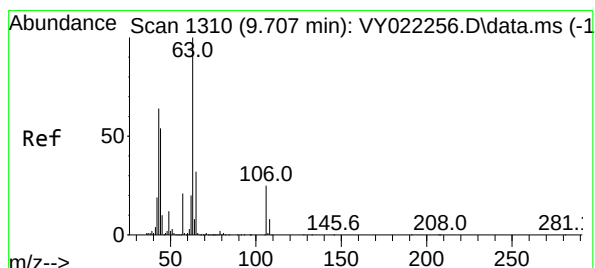
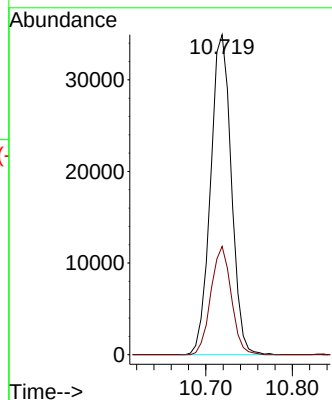
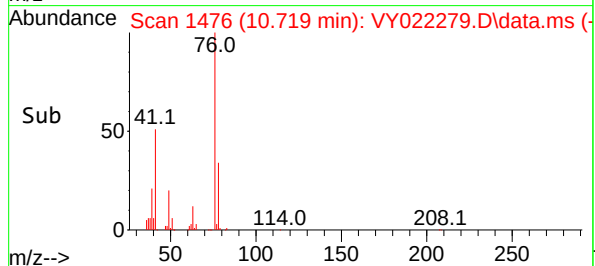
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



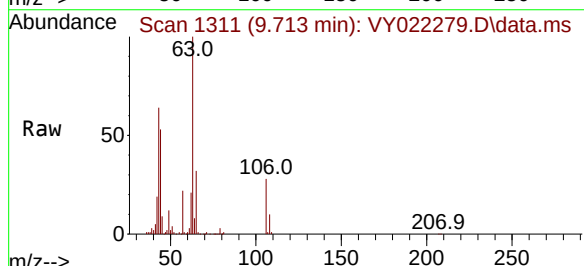
Tgt Ion: 76 Resp: 58178
Ion Ratio Lower Upper
76 100
78 33.2 25.8 38.8

Manual Integrations
APPROVED

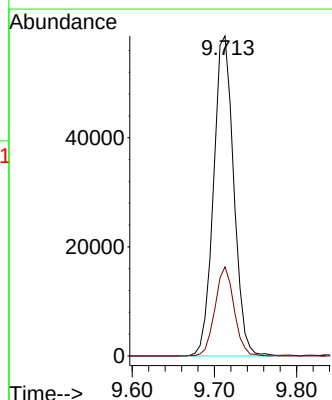
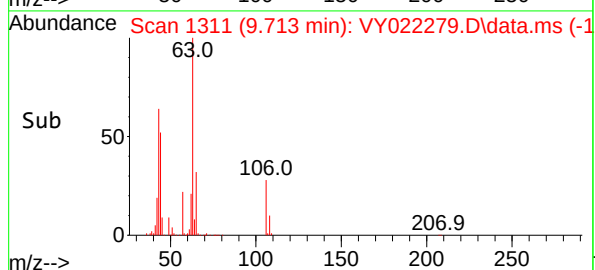
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

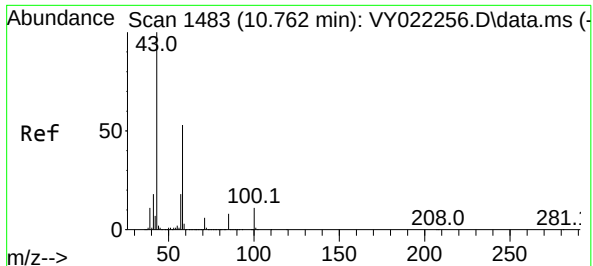


#58
2-Chloroethyl Vinyl ether
Concen: 83.786 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



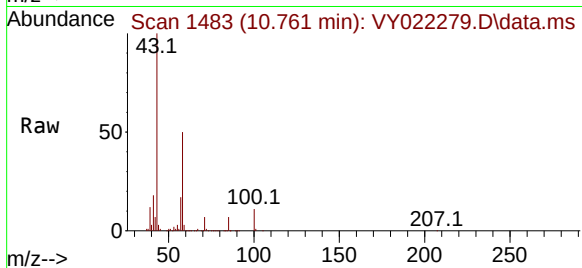
Tgt Ion: 63 Resp: 99985
Ion Ratio Lower Upper
63 100
106 26.4 21.0 31.4





#59
2-Hexanone
Concen: 89.217 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

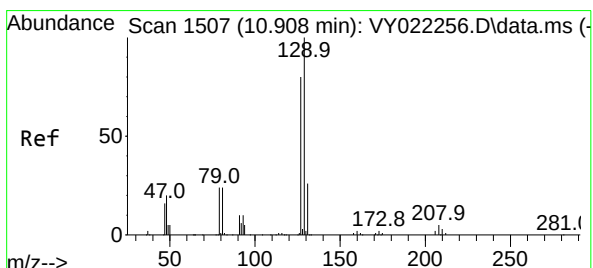
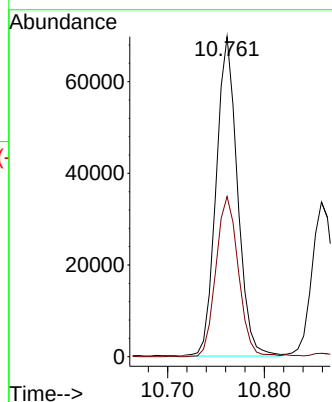
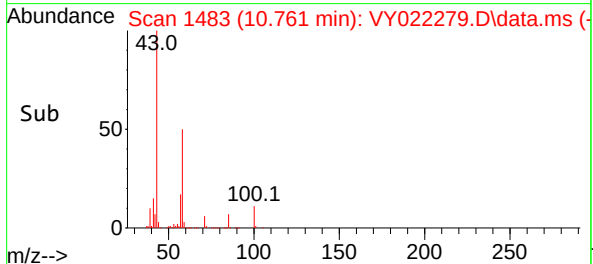
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 43 Resp: 106492
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.3

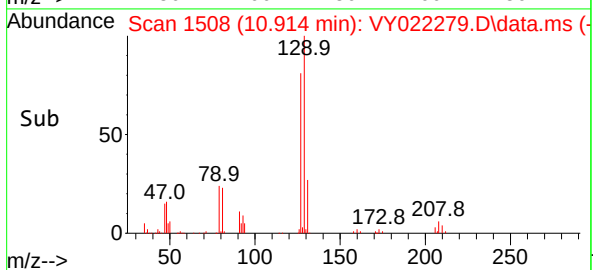
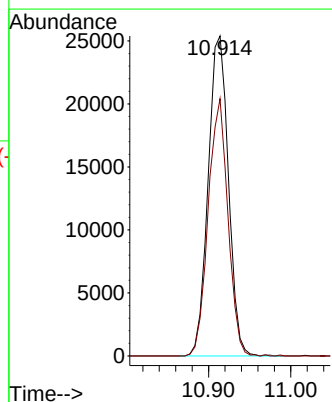
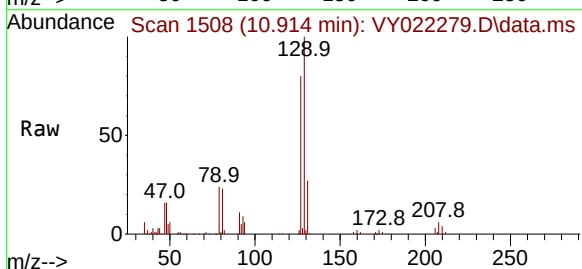
Manual Integrations
APPROVED

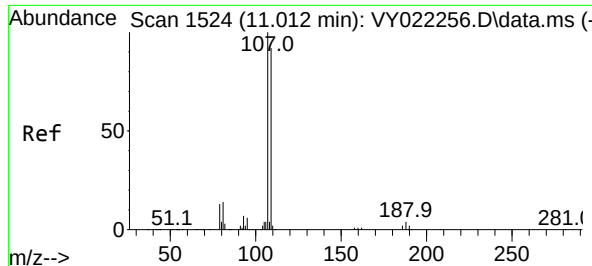
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#60
Dibromochloromethane
Concen: 19.586 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

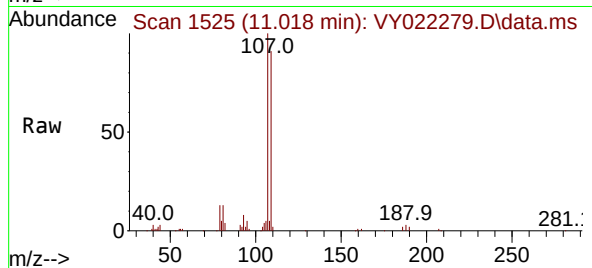
Tgt Ion:129 Resp: 43390
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.7





#61
1,2-Dibromoethane
Concen: 19.811 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

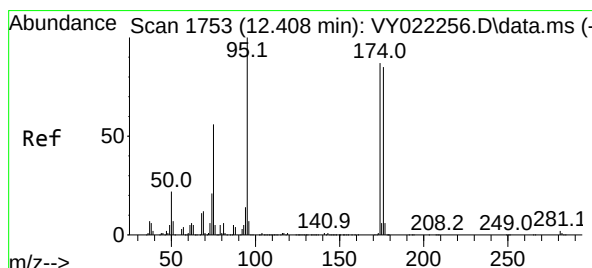
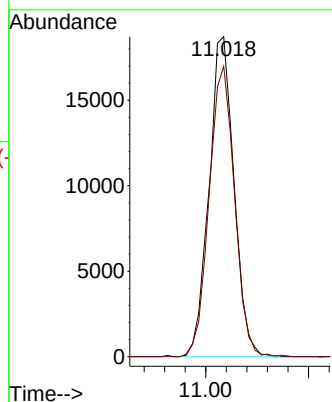
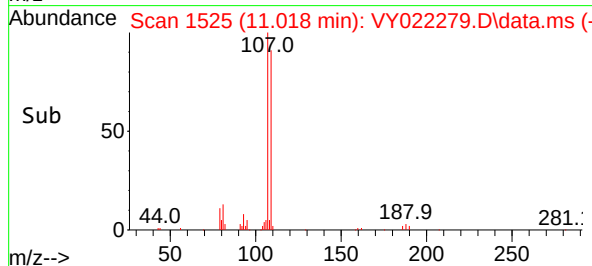
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 107 Resp: 3151
Ion Ratio Lower Upper
107 100
109 92.3 74.6 111.8

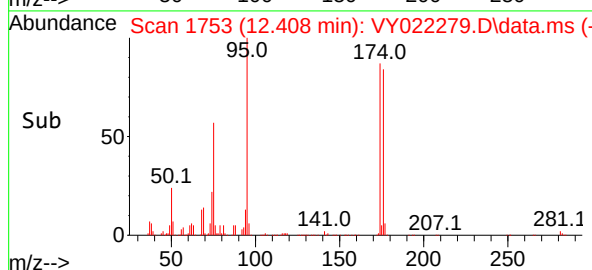
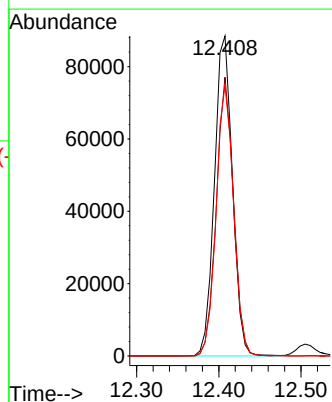
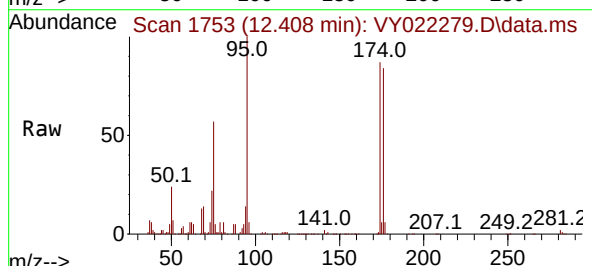
Manual Integrations
APPROVED

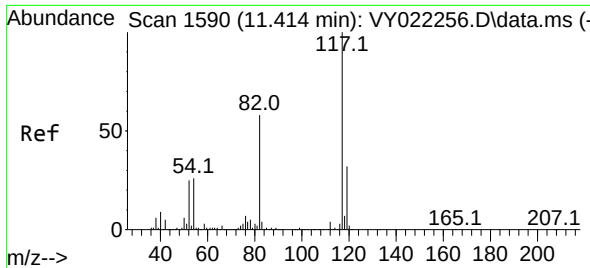
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

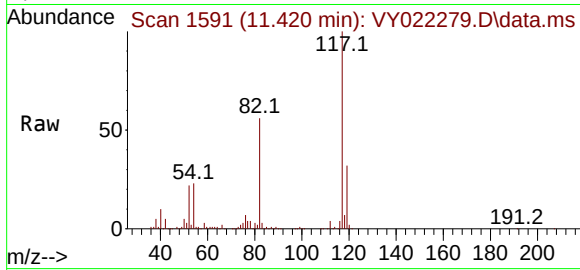
Tgt Ion: 95 Resp: 134691
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 82.1 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

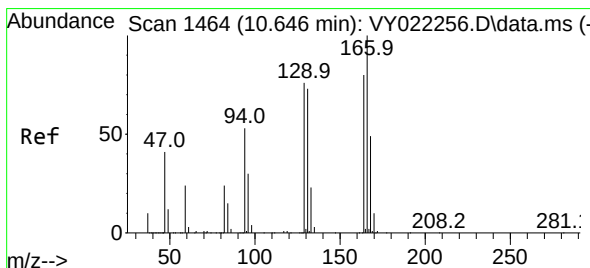
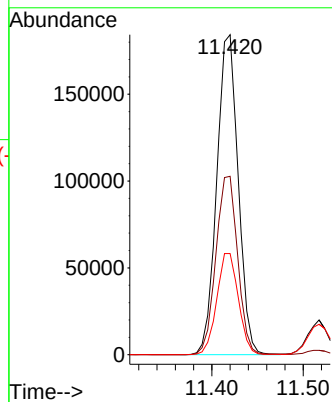
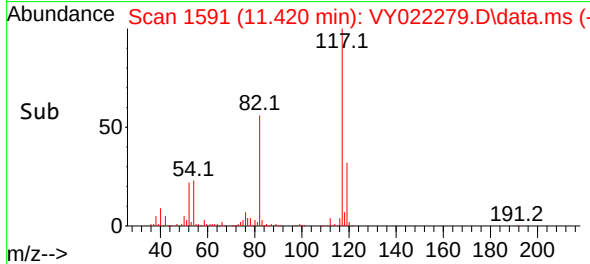
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion:117 Resp: 300120
Ion Ratio Lower Upper
117 100
82 55.8 46.6 70.0
119 31.6 25.8 38.6

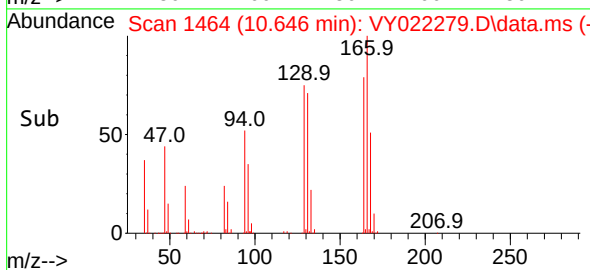
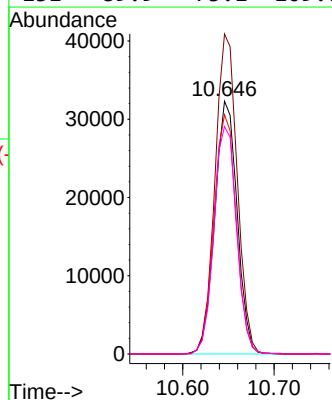
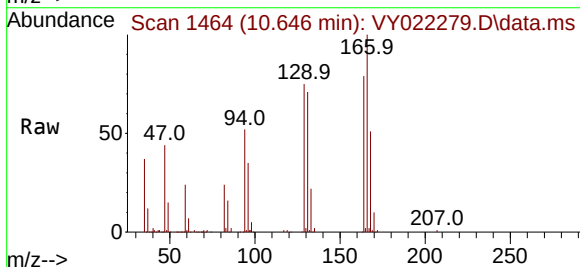
Manual Integrations
APPROVED

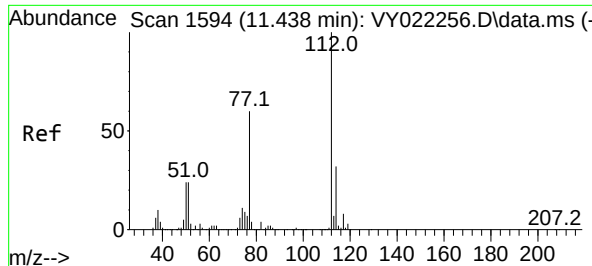
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#64
Tetrachloroethene
Concen: 19.759 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:164 Resp: 54813
Ion Ratio Lower Upper
164 100
166 126.6 100.4 150.6
129 94.6 76.4 114.6
131 89.9 73.1 109.7





#65

Chlorobenzene

Concen: 19.679 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:112 Resp: 13325

Ion Ratio Lower Upper

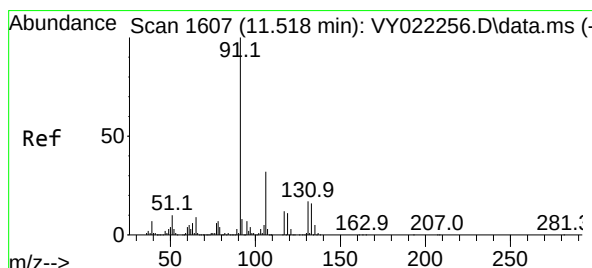
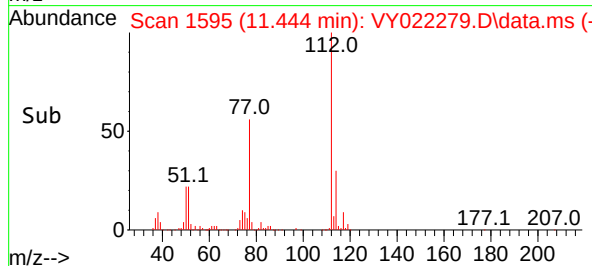
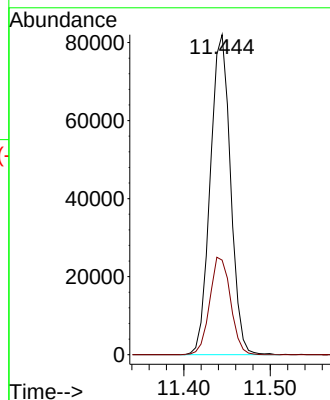
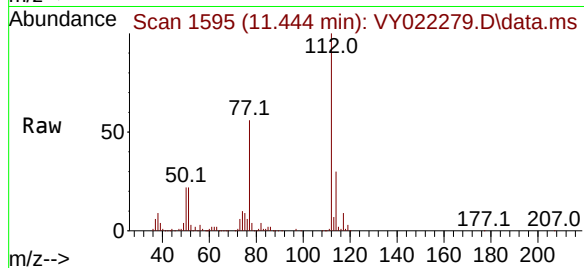
112 100

114 29.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.140 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

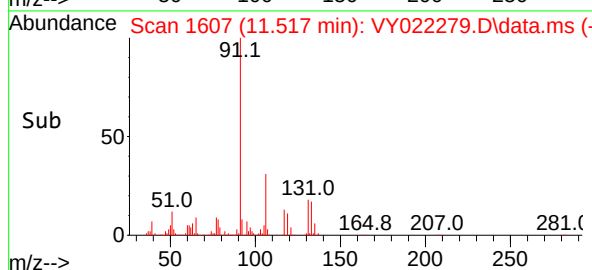
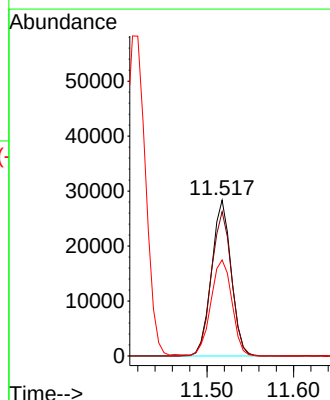
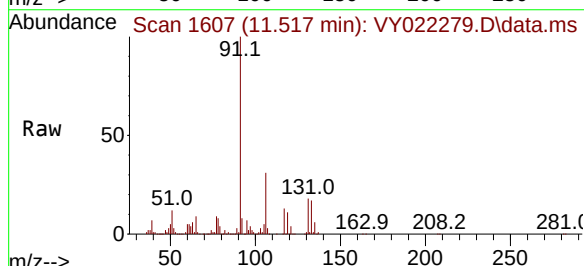
Tgt Ion:131 Resp: 44554

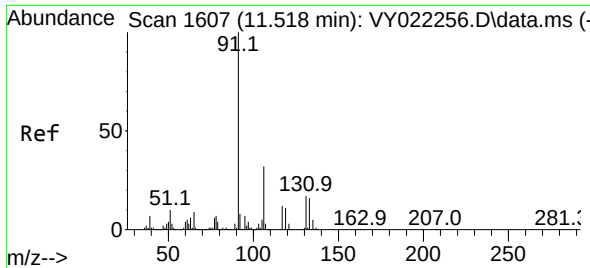
Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.9

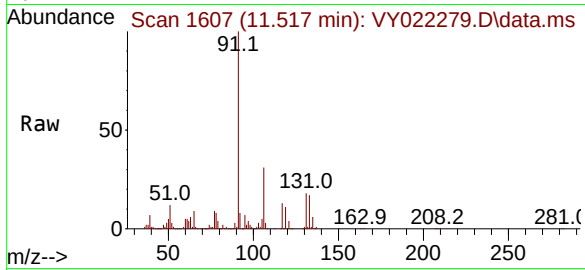
119 66.3 33.1 99.2





#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

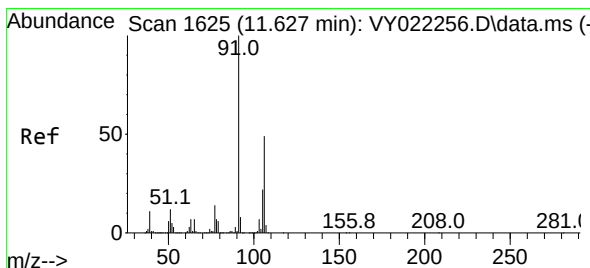
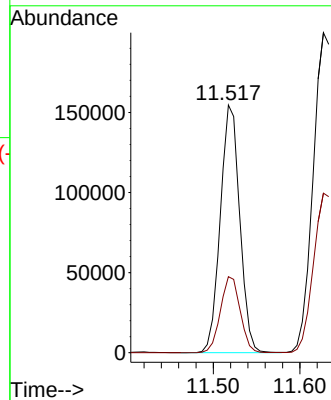
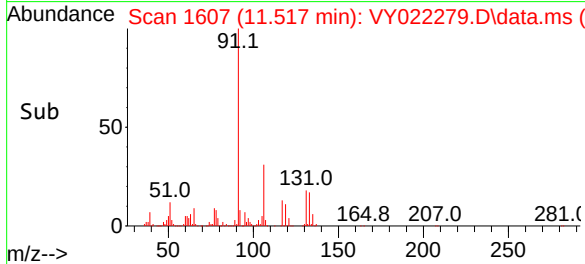
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



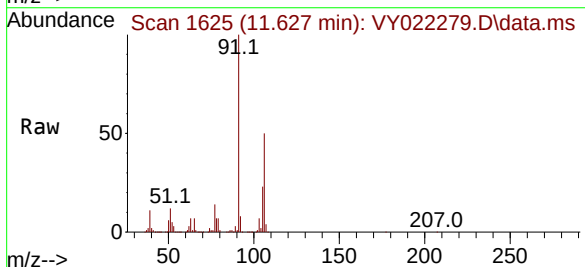
Tgt Ion: 91 Resp: 241283
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0

Manual Integrations
APPROVED

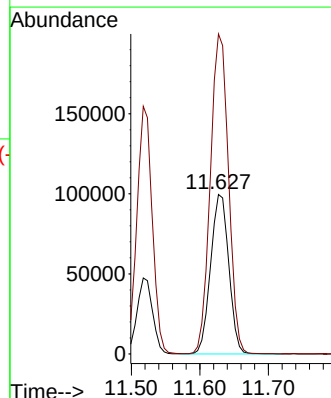
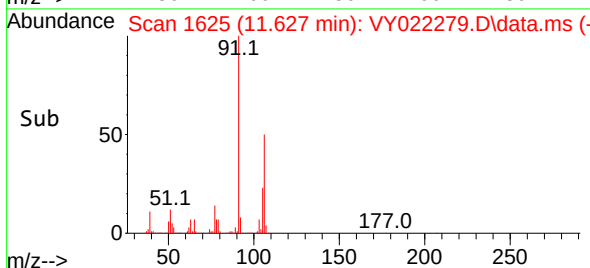
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

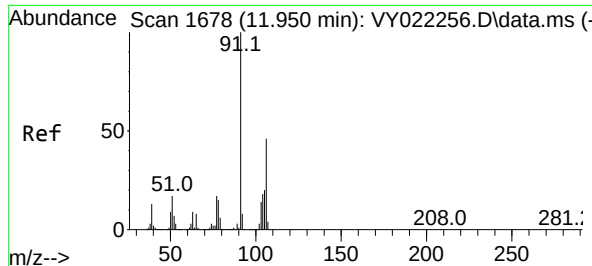


#68
m/p-Xylenes
Concen: 38.444 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



Tgt Ion:106 Resp: 183701
Ion Ratio Lower Upper
106 100
91 200.7 163.0 244.4





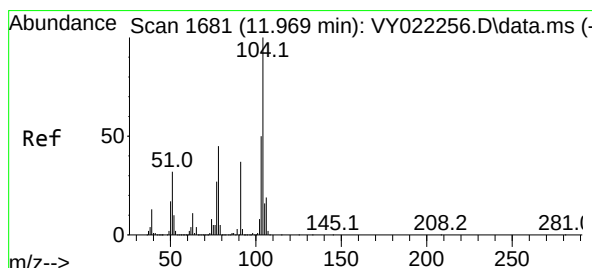
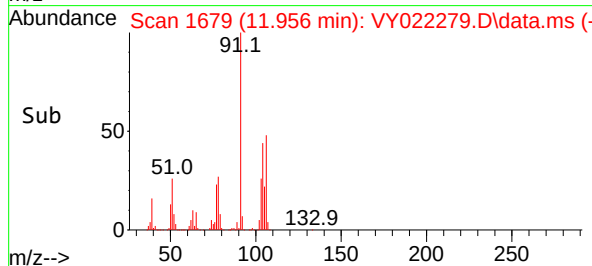
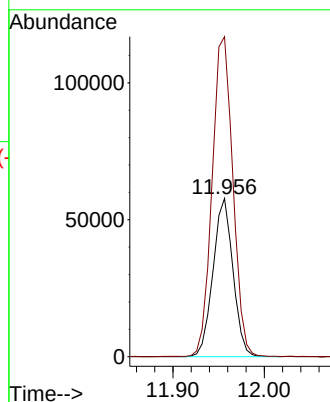
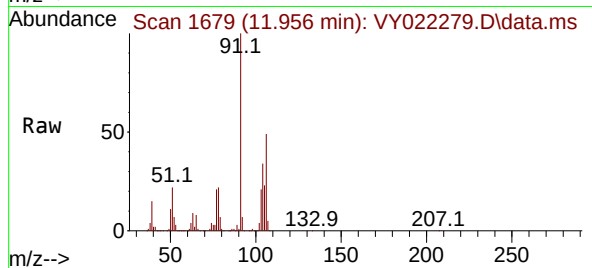
#69
o-Xylene
Concen: 19.379 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:106 Resp: 87610
Ion Ratio Lower Upper
106 100
91 209.7 108.3 324.8

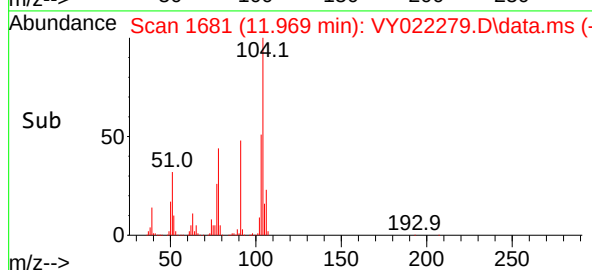
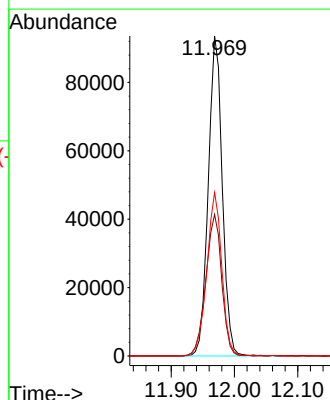
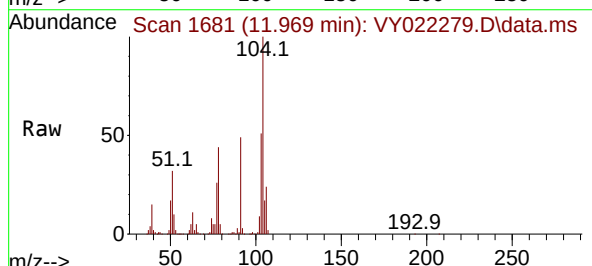
Manual Integrations
APPROVED

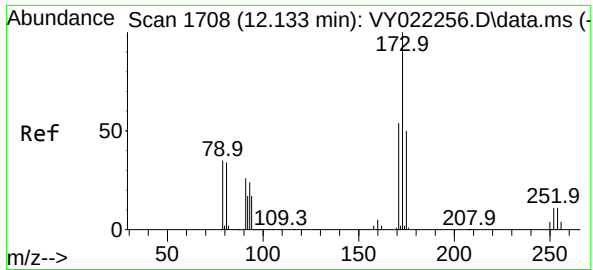
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#70
Styrene
Concen: 18.942 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

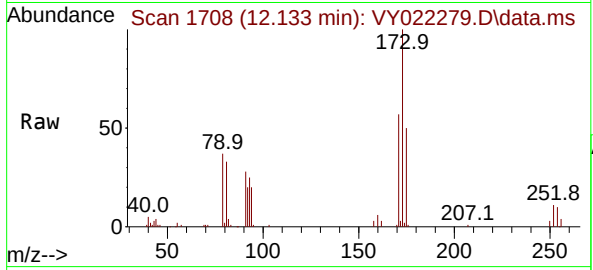
Tgt Ion:104 Resp: 144454
Ion Ratio Lower Upper
104 100
78 50.1 40.9 61.3
103 54.8 43.7 65.5





#71
Bromoform
Concen: 18.414 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

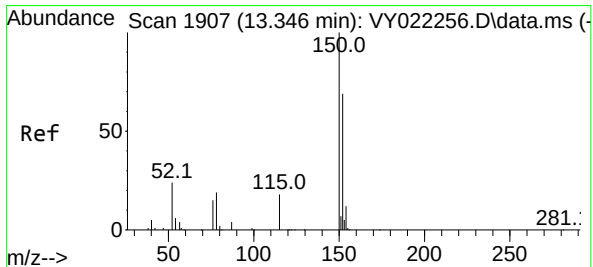
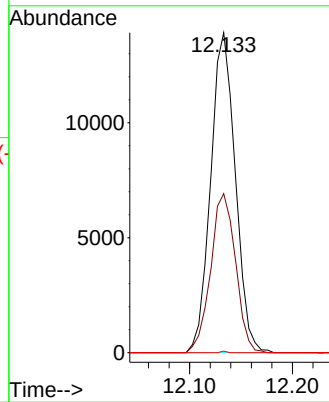
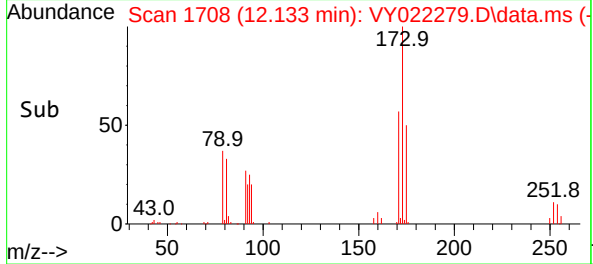
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



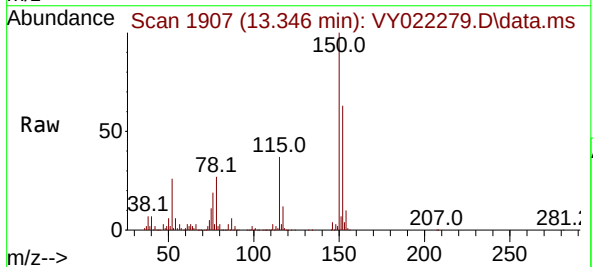
Tgt Ion:173 Resp: 23130
Ion Ratio Lower Upper
173 100
175 50.2 24.7 74.1
254 0.1 0.0 0.0

Manual Integrations
APPROVED

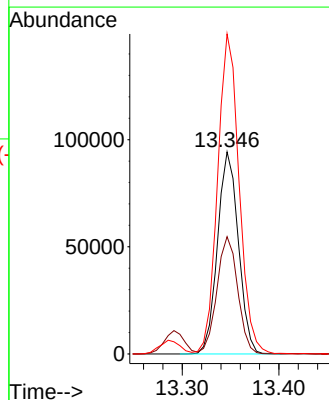
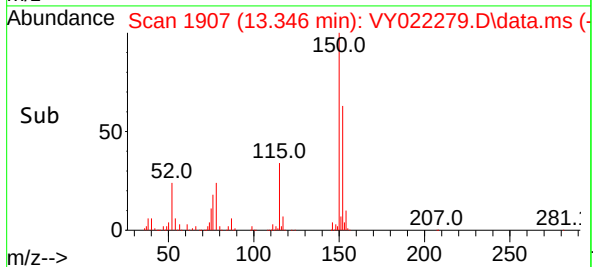
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

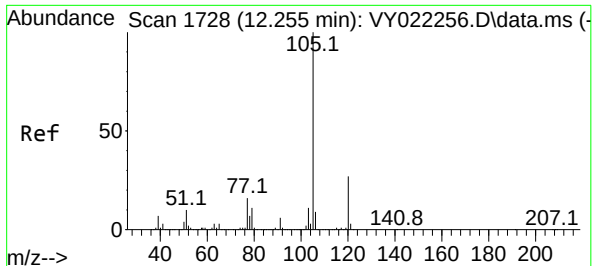


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



Tgt Ion:152 Resp: 141210
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.2
150 162.9 0.0 353.8





#73

Isopropylbenzene

Concen: 19.344 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:105 Resp: 22629

Ion Ratio Lower Upper

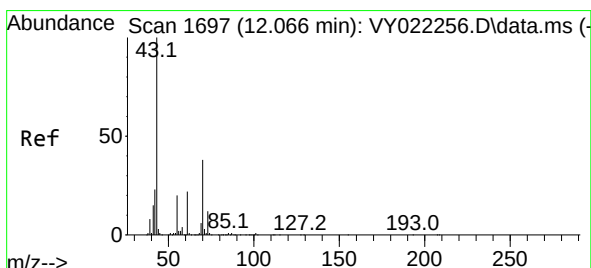
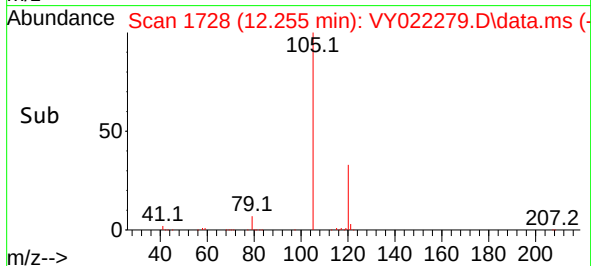
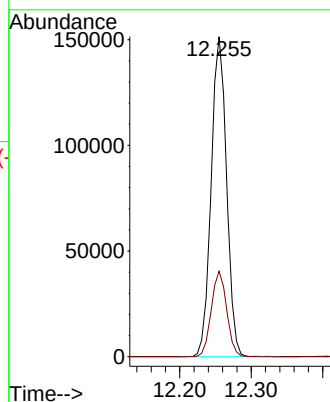
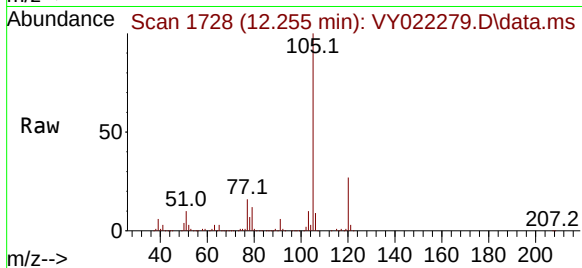
105 100

120 26.6 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#74

N-ethyl acetate

Concen: 17.844 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 59704

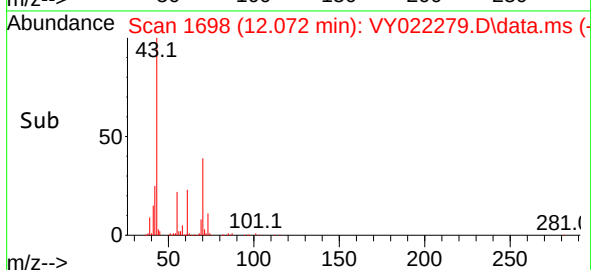
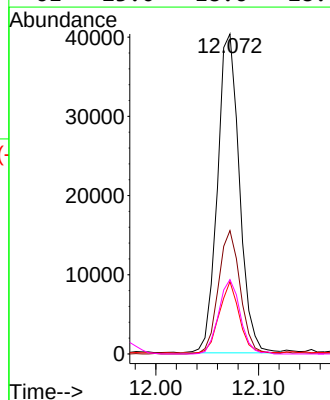
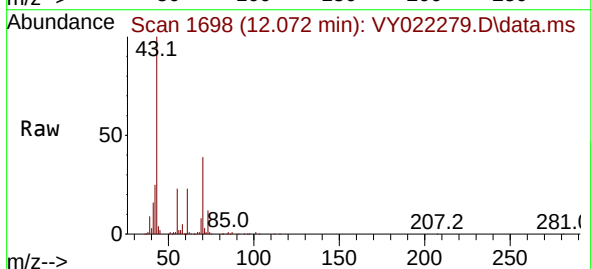
Ion Ratio Lower Upper

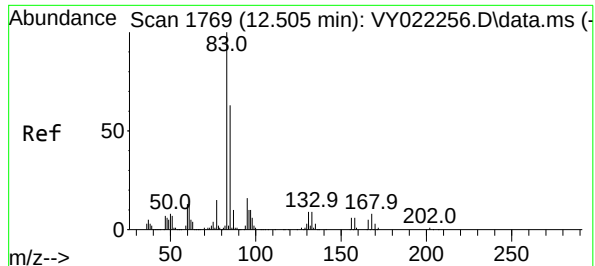
43 100

70 38.6 31.4 47.0

55 20.6 17.0 25.6

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.065 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 83 Resp: 34300

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

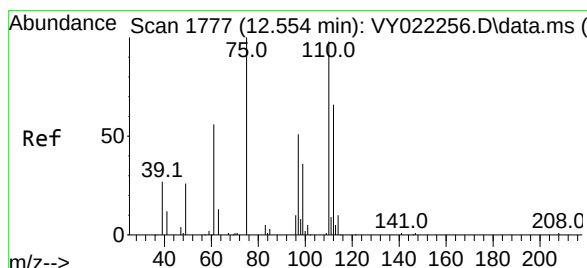
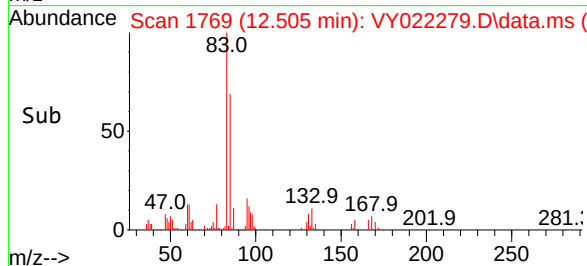
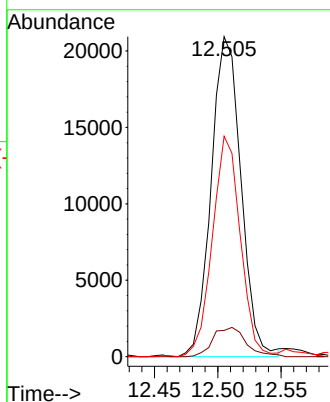
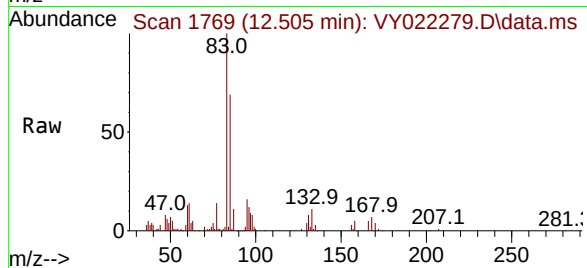
85 64.5 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#76

1,2,3-Trichloropropane

Concen: 19.338 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VY022279.D

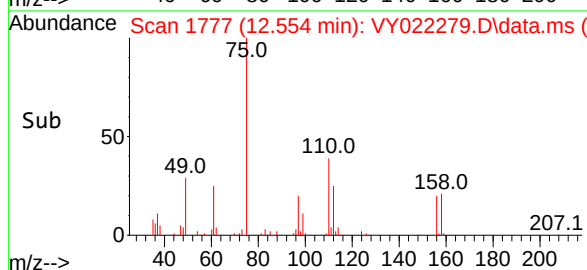
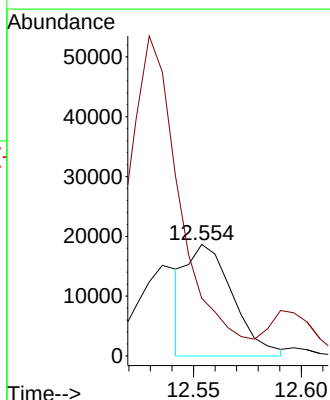
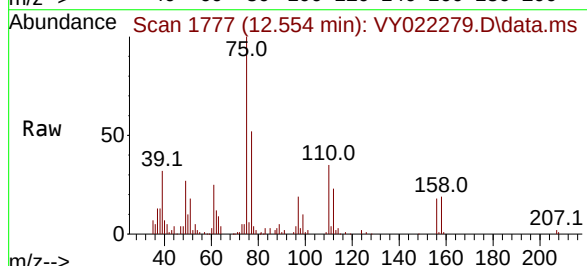
Acq: 16 May 2025 10:09

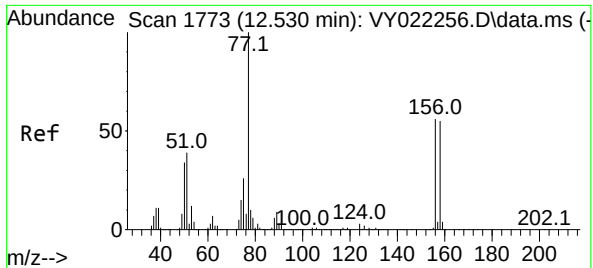
Tgt Ion: 75 Resp: 27665

Ion Ratio Lower Upper

75 100

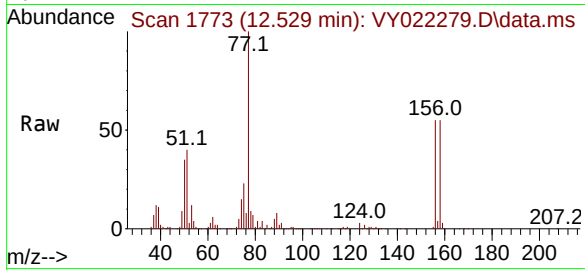
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 18.904 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

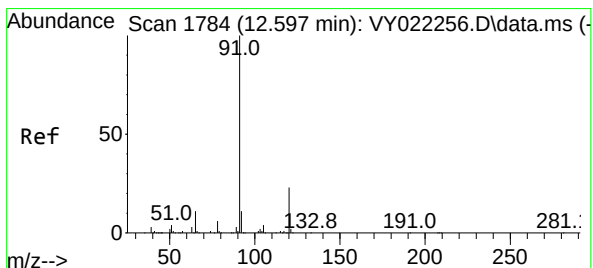
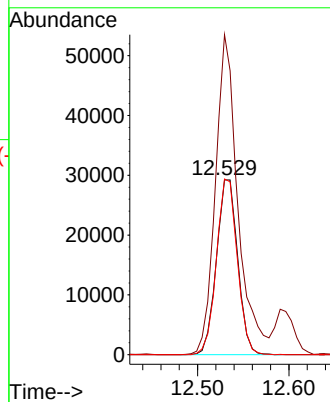
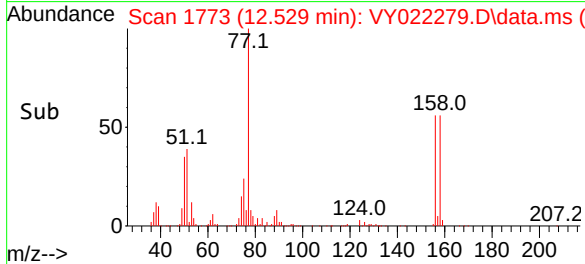
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



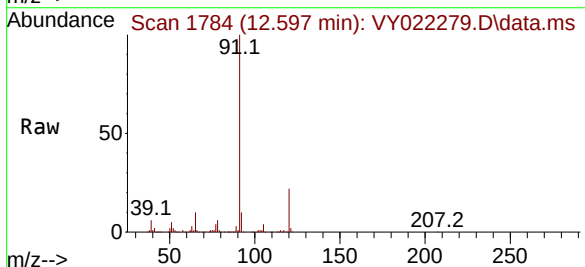
Tgt Ion: 156 Resp: 47234
Ion Ratio Lower Upper
156 100
77 193.6 94.5 283.6
158 98.6 48.4 145.3

Manual Integrations
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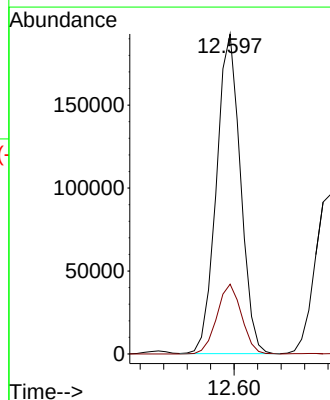
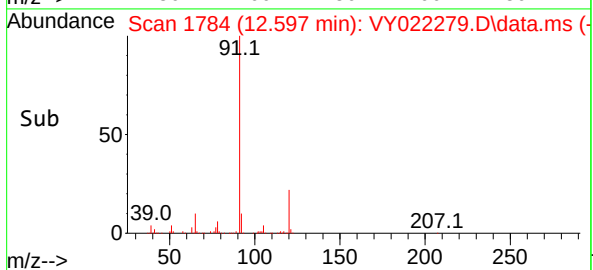
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

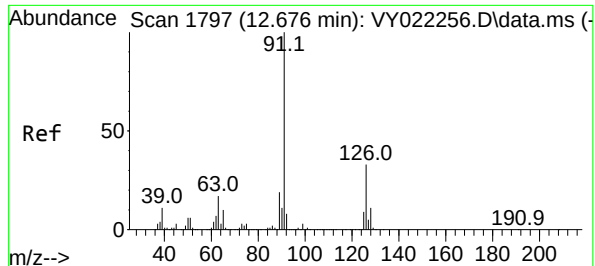


#78
n-propylbenzene
Concen: 19.430 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



Tgt Ion: 91 Resp: 274165
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.125 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion: 91 Resp: 14830

Ion Ratio Lower Upper

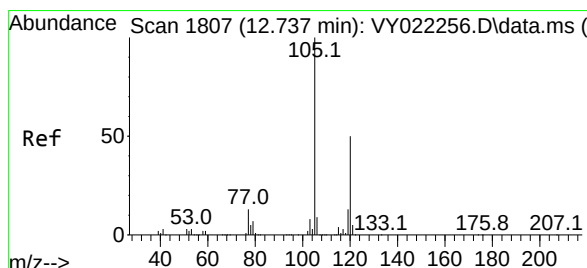
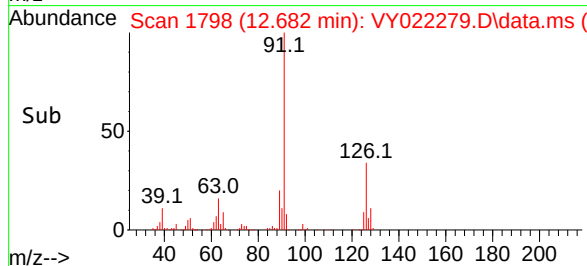
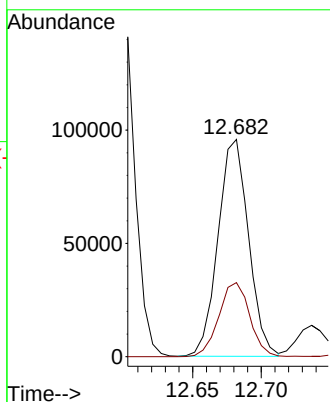
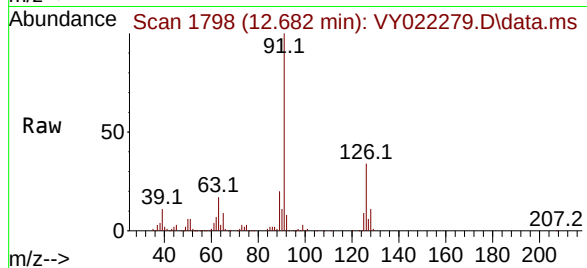
91 100

126 34.6 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.943 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022279.D

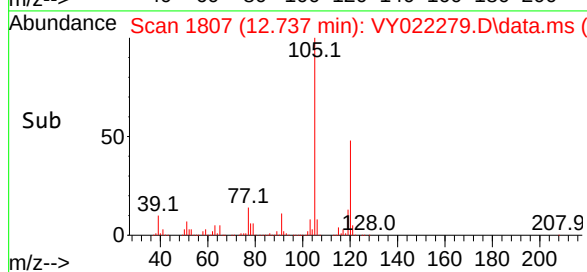
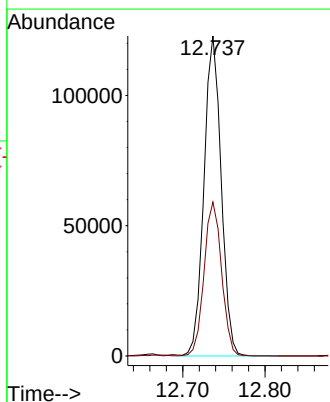
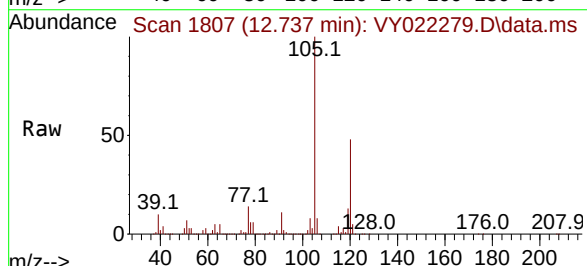
Acq: 16 May 2025 10:09

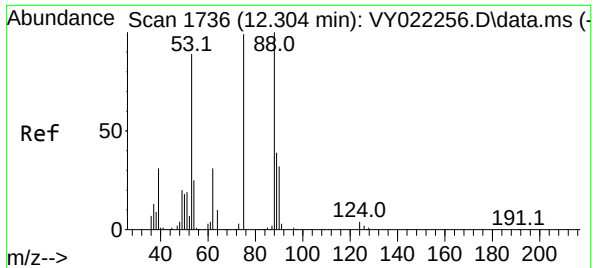
Tgt Ion:105 Resp: 178884

Ion Ratio Lower Upper

105 100

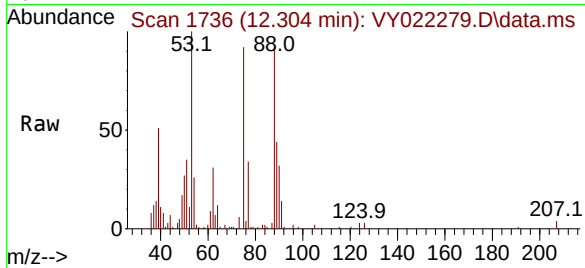
120 48.9 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 16.775 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

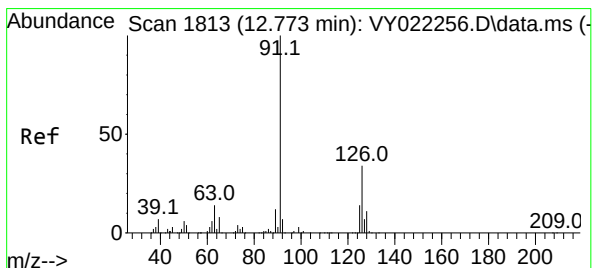
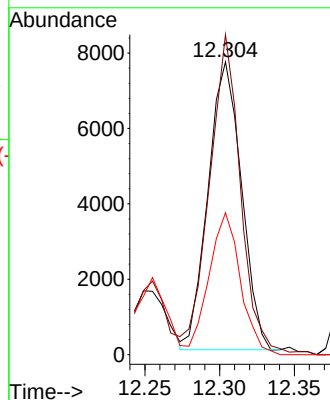
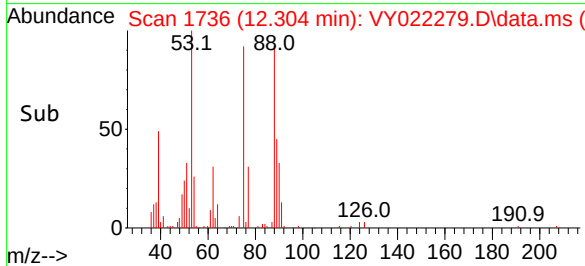
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 75 Resp: 1184
Ion Ratio Lower Upper
75 100
53 104.1 75.8 113.8
89 46.1 36.2 54.2

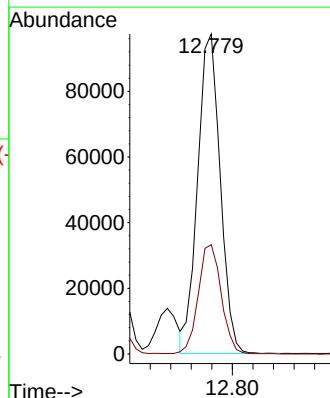
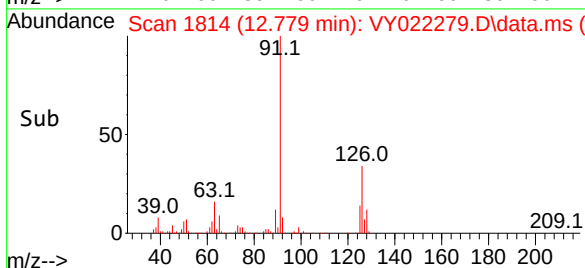
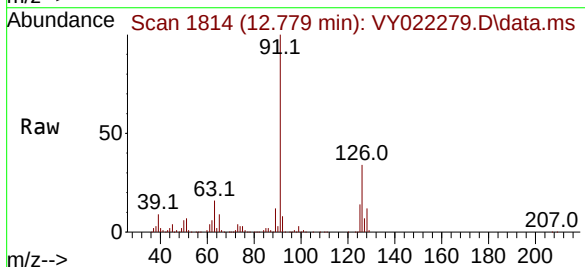
Manual Integrations
APPROVED

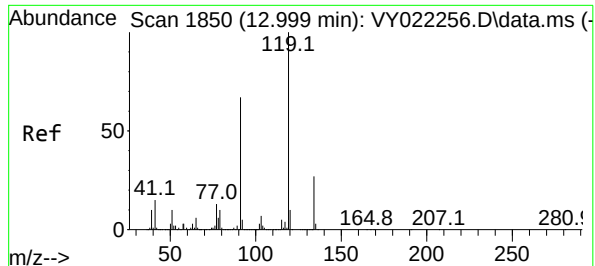
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#82
4-Chlorotoluene
Concen: 18.660 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 148832
Ion Ratio Lower Upper
91 100
126 34.9 16.8 50.4





#83

tert-Butylbenzene

Concen: 19.292 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:119 Resp: 16192

Ion Ratio Lower Upper

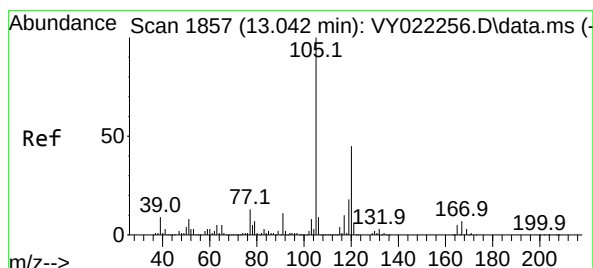
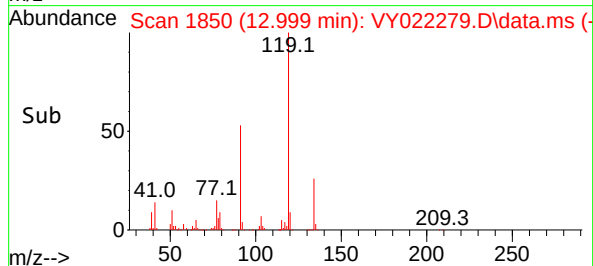
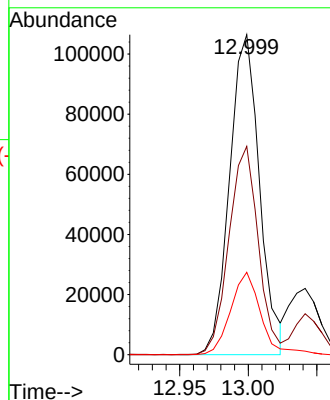
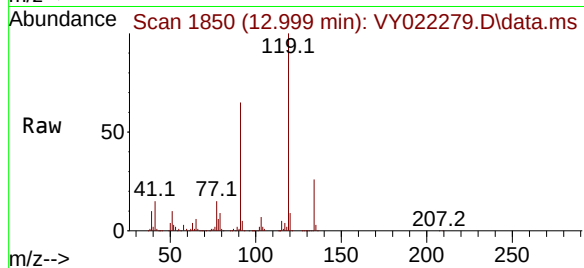
119 100

91 63.9 32.8 98.3

134 26.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#84

1,2,4-Trimethylbenzene

Concen: 19.163 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022279.D

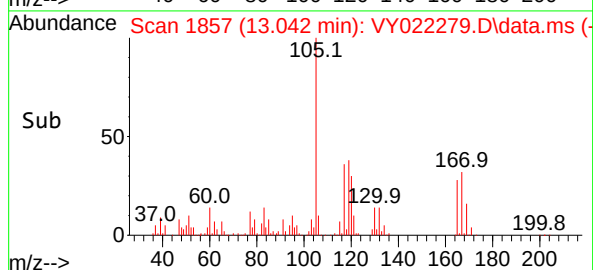
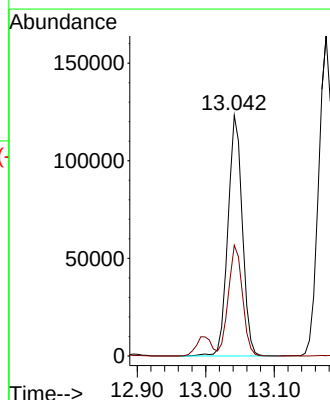
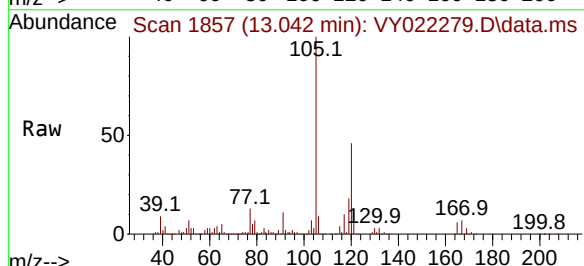
Acq: 16 May 2025 10:09

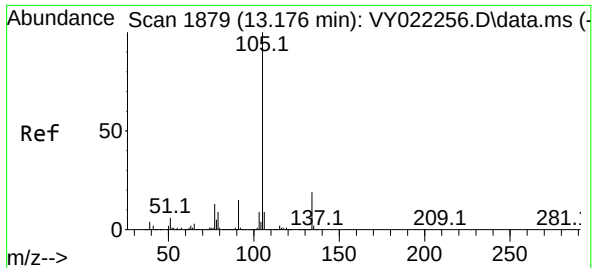
Tgt Ion:105 Resp: 179642

Ion Ratio Lower Upper

105 100

120 45.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.219 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:105 Resp: 239464

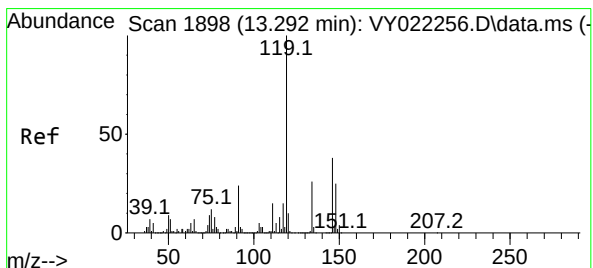
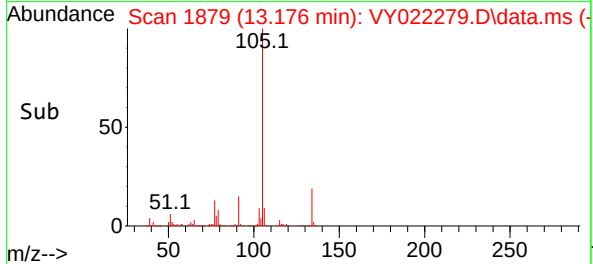
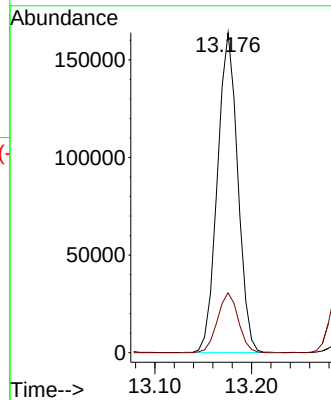
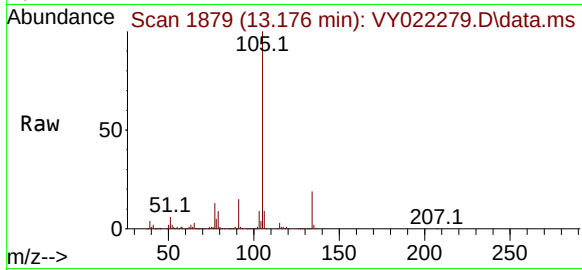
Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

#86

p-Isopropyltoluene

Concen: 18.872 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

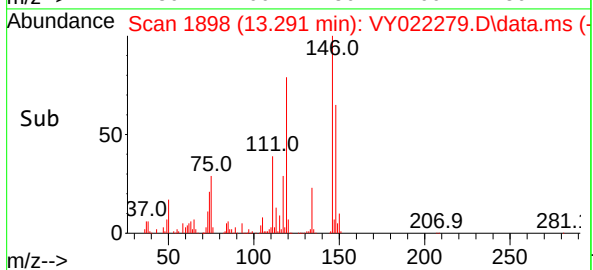
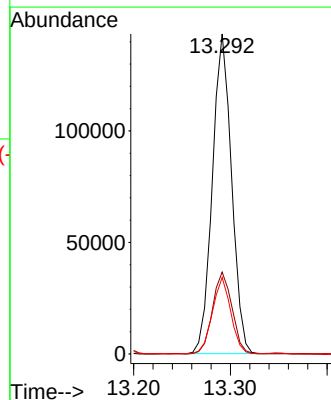
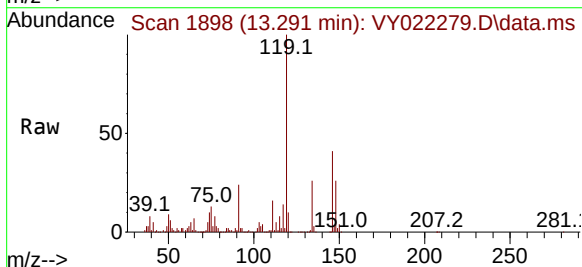
Tgt Ion:119 Resp: 197757

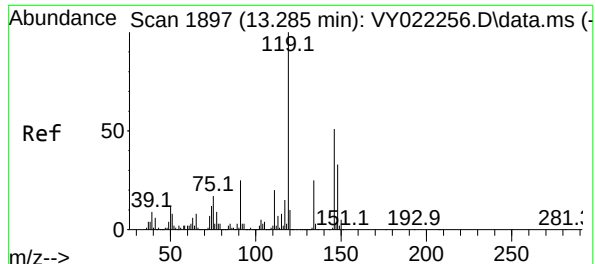
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 22.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.416 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

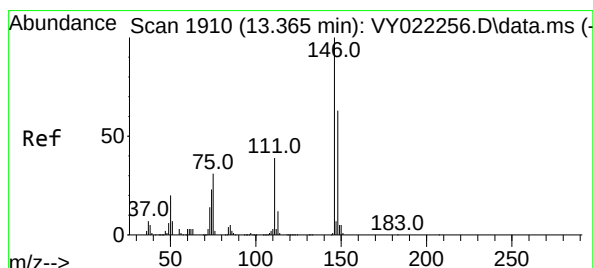
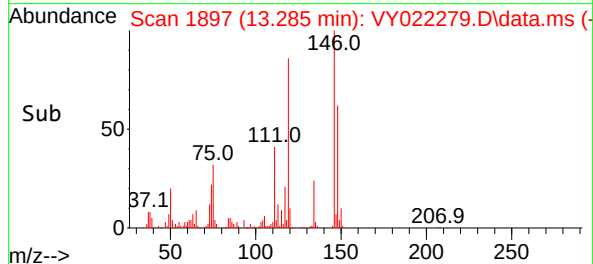
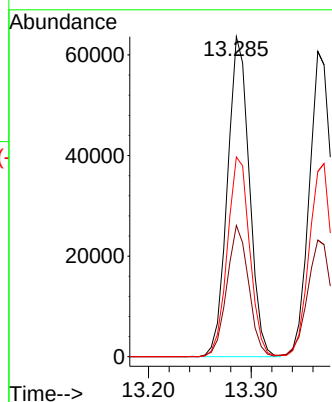
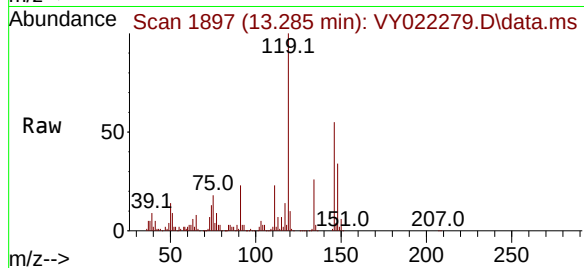
VY0516SBS01

Tgt Ion:146	Resp:	93930
Ion Ratio	Lower	Upper
146	100	
111	40.8	19.9 59.7
148	63.5	31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 18.902 ug/l

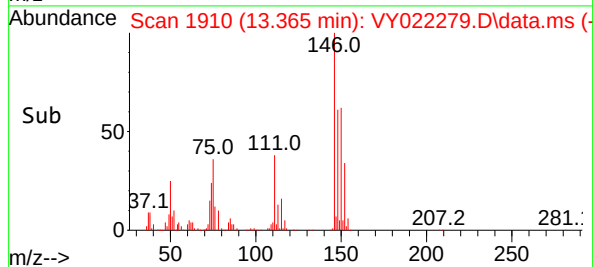
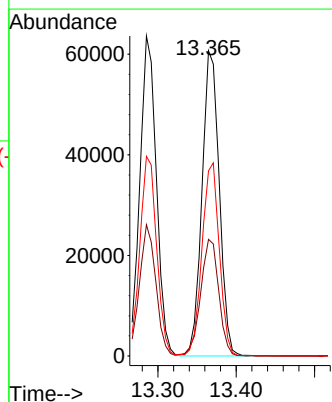
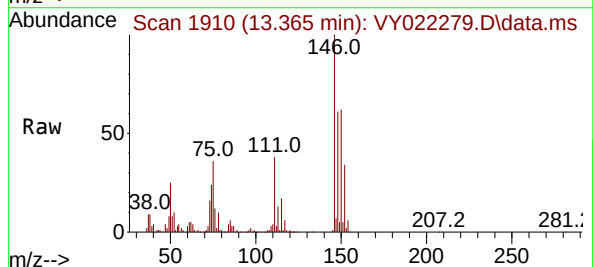
RT: 13.365 min Scan# 1910

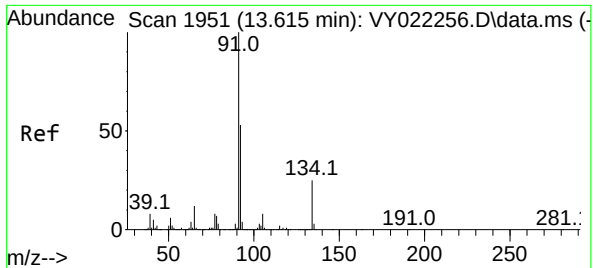
Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

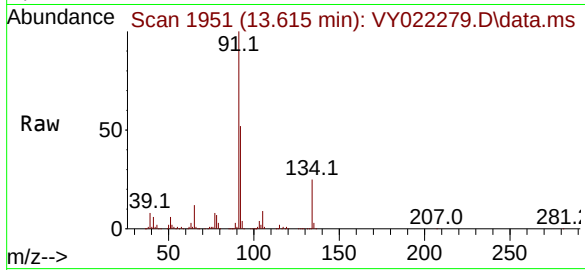
Tgt Ion:146	Resp:	92740
Ion Ratio	Lower	Upper
146	100	
111	40.2	20.0 59.9
148	63.5	32.1 96.5





#89
n-Butylbenzene
Concen: 19.299 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

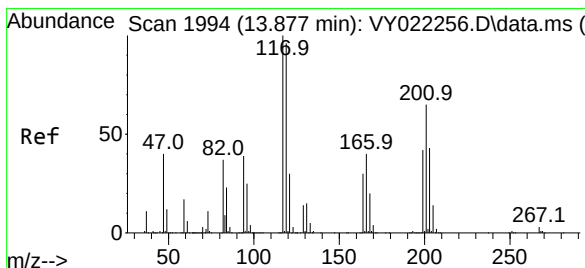
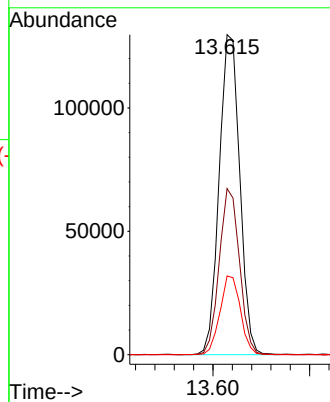
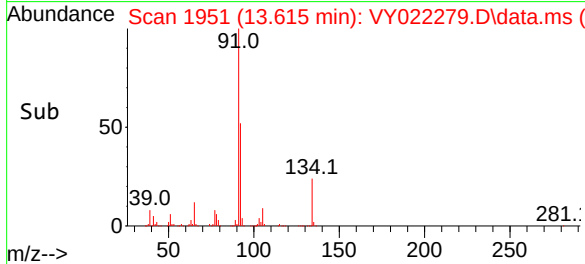
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



Tgt Ion: 91 Resp: 19132
Ion Ratio Lower Upper
91 100
92 51.1 26.3 78.9
134 24.5 12.4 37.4

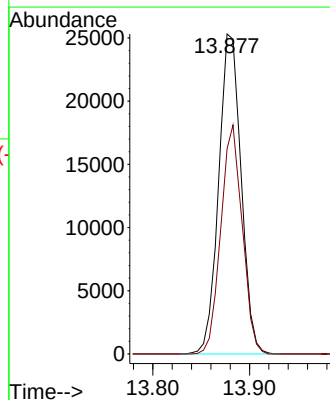
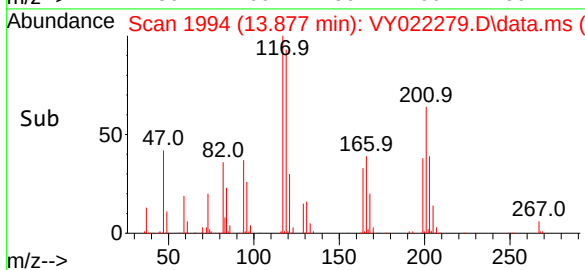
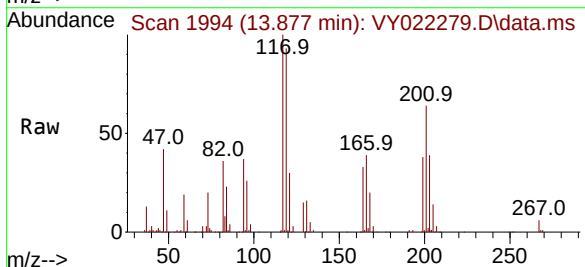
Manual Integrations
APPROVED

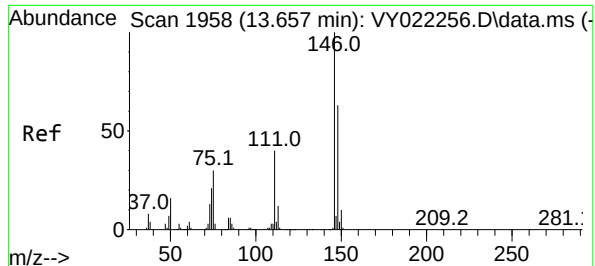
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

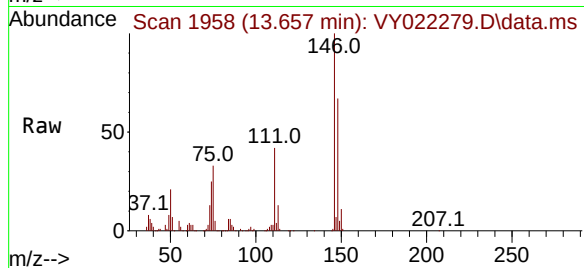
Tgt Ion:117 Resp: 40730
Ion Ratio Lower Upper
117 100
201 68.2 35.2 105.6





#91
1,2-Dichlorobenzene
Concen: 19.073 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

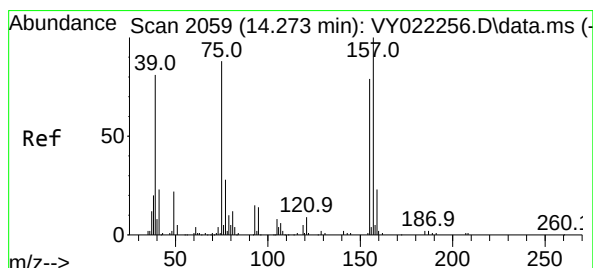
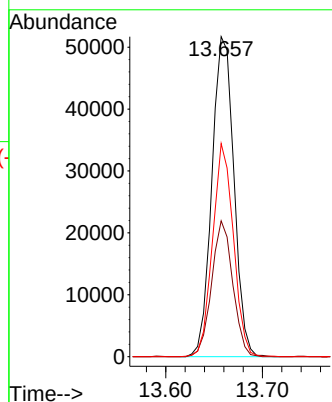
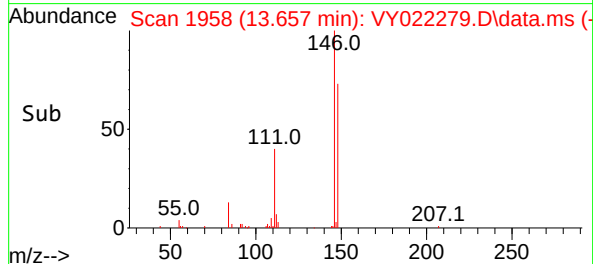
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



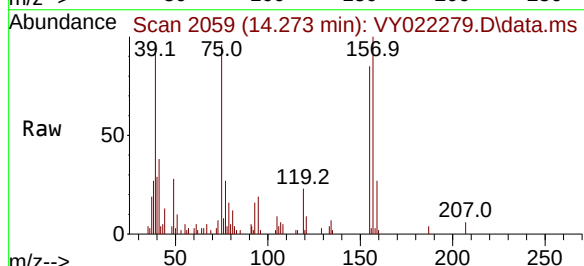
Tgt Ion:146 Resp: 8171
Ion Ratio Lower Upper
146 100
111 40.7 20.5 61.5
148 63.1 32.0 96.0

Manual Integrations
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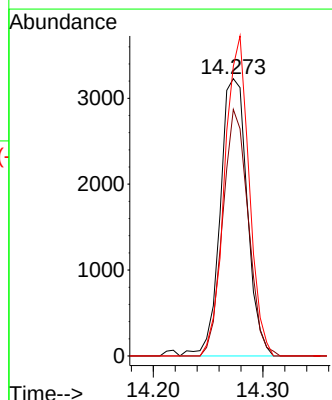
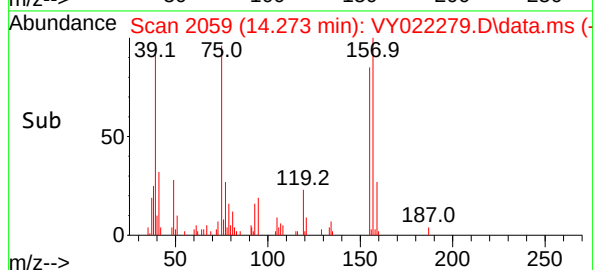
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

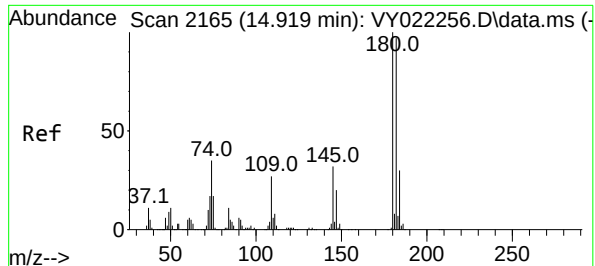


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.982 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



Tgt Ion: 75 Resp: 5507
Ion Ratio Lower Upper
75 100
155 83.7 43.4 130.1
157 104.7 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.345 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0516SBS01

Tgt Ion:180 Resp: 47875

Ion Ratio Lower Upper

180 100

182 92.3 48.0 144.0

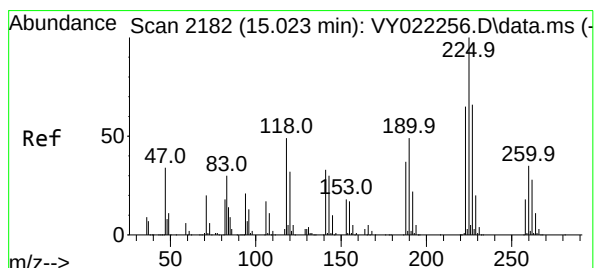
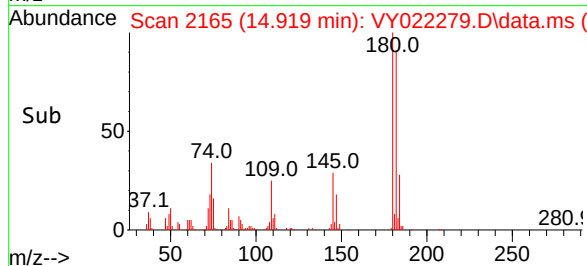
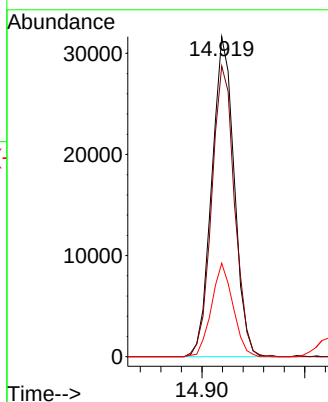
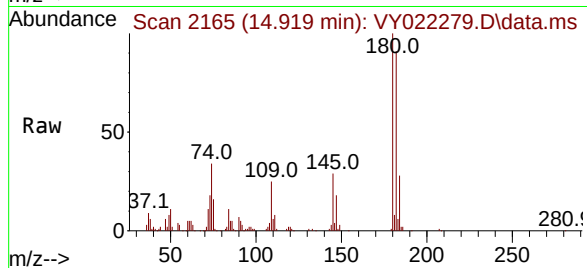
145 28.0 15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#94

Hexachlorobutadiene

Concen: 18.897 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022279.D

Acq: 16 May 2025 10:09

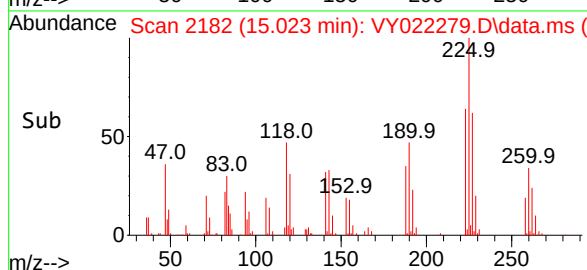
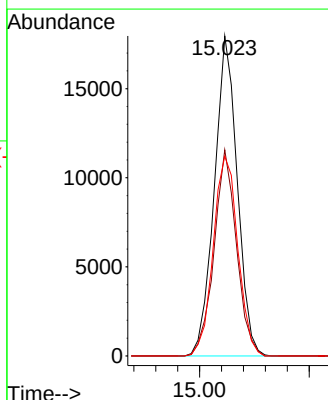
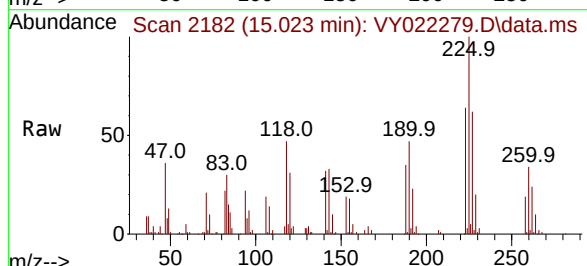
Tgt Ion:225 Resp: 26080

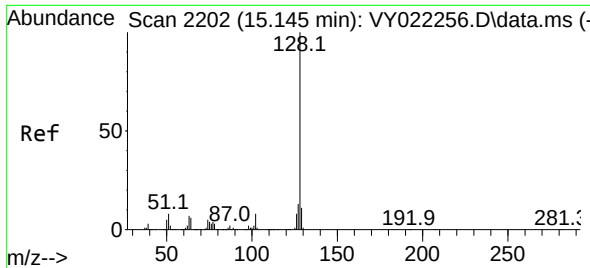
Ion Ratio Lower Upper

225 100

223 63.1 31.5 94.5

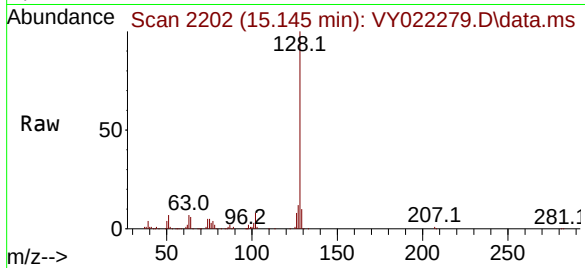
227 67.0 32.1 96.3





#95
Naphthalene
Concen: 18.410 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

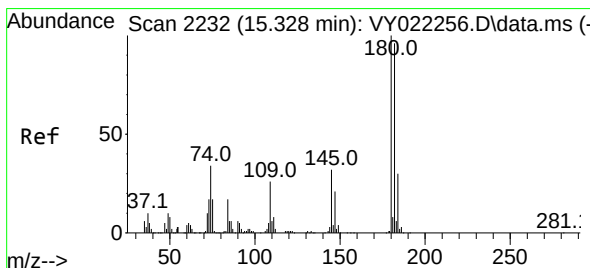
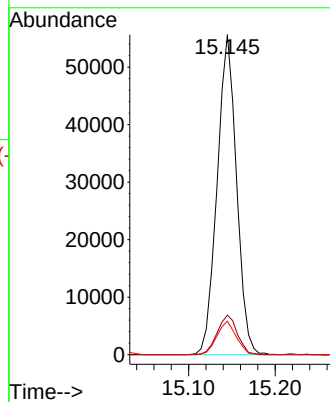
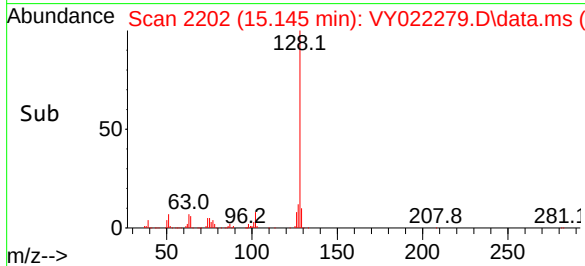
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01



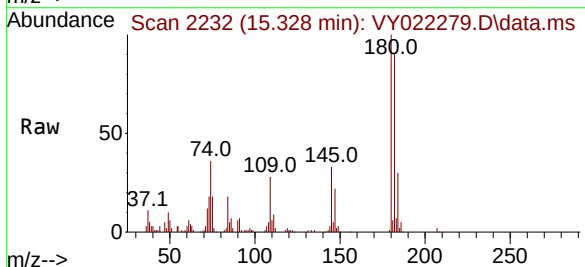
Tgt Ion:128 Resp: 8646
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.5 8.8 13.2

Manual Integrations
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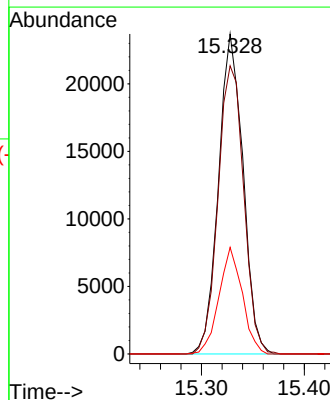
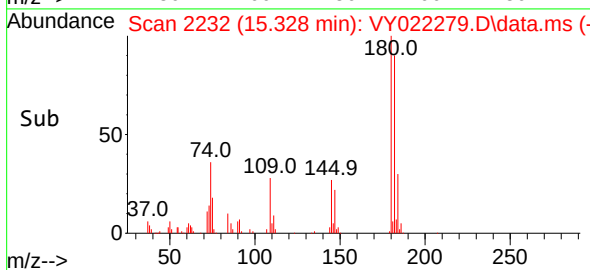
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09



Tgt Ion:180 Resp: 39190
Ion Ratio Lower Upper
180 100
182 94.4 47.1 141.3
145 31.7 15.9 47.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		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	20.1		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		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	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		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	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.3		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	20.0		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	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	7.707			
540-36-3	1,4-Difluorobenzene	402000	8.616			
3114-55-4	Chlorobenzene-d5	342000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1982
Lab Sample ID:	VY0515SBSD01	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
VY022263.D	1		05/15/25 14:29	VY051525

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\VY051525\
 Data File : VY022263.D
 Acq On : 15 May 2025 14:29
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 16 01:55:07 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	238919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	341987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135626	51.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	123255	51.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.103	98	503583	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	156883	50.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	53122	21.308	ug/l	100
3) Chloromethane	2.062	50	120806	23.036	ug/l	99
4) Vinyl Chloride	2.202	62	133825	22.841	ug/l	95
5) Bromomethane	2.586	94	115963	24.313	ug/l	97
6) Chloroethane	2.726	64	81580	22.381	ug/l	99
7) Trichlorofluoromethane	3.050	101	131275	22.130	ug/l	97
8) Diethyl Ether	3.452	74	30102	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	53293	20.694	ug/l	99
10) Methyl Iodide	4.001	142	56585	18.984	ug/l	98
11) Tert butyl alcohol	4.872	59	22281	111.741	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	51053	19.977	ug/l	99
13) Acrolein	3.653	56	29646	101.701	ug/l	95
14) Allyl chloride	4.379	41	90707	20.242	ug/l	98
15) Acrylonitrile	5.061	53	63262	107.846	ug/l	100
16) Acetone	3.873	43	49080	100.243	ug/l	97
17) Carbon Disulfide	4.104	76	170931	20.511	ug/l	100
18) Methyl Acetate	4.385	43	32845	21.277	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	147866	20.984	ug/l	100
20) Methylene Chloride	4.616	84	67252	21.257	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	58391	20.700	ug/l	97
22) Diisopropyl ether	6.019	45	191390	20.225	ug/l	99
23) Vinyl Acetate	5.958	43	582104	101.820	ug/l	99
24) 1,1-Dichloroethane	5.915	63	107336	20.303	ug/l	99
25) 2-Butanone	6.896	43	84807	103.553	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94109	20.013	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	65488	20.118	ug/l	99
28) Bromochloromethane	7.244	49	45781	20.301	ug/l	100
29) Tetrahydrofuran	7.262	42	57613	109.345	ug/l	98
30) Chloroform	7.421	83	103980	20.505	ug/l	97
31) Cyclohexane	7.695	56	104972	19.873	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	93522	20.102	ug/l	99
36) 1,1-Dichloropropene	7.835	75	78647	19.899	ug/l	99
37) Ethyl Acetate	6.982	43	41008	21.564	ug/l	98
38) Carbon Tetrachloride	7.817	117	80942	19.785	ug/l	98
39) Methylcyclohexane	9.109	83	105996	19.962	ug/l	98
40) Benzene	8.079	78	234747	20.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022263.D
 Acq On : 15 May 2025 14:29
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 16 01:55:07 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	7.220	41	23758m	18.834	ug/l	
42) 1,2-Dichloroethane	8.158	62	64565	20.377	ug/l	99
43) Isopropyl Acetate	8.195	43	86552	20.869	ug/l	98
44) Trichloroethene	8.866	130	57705	19.807	ug/l	97
45) 1,2-Dichloropropane	9.140	63	56246	19.911	ug/l	99
46) Dibromomethane	9.231	93	31011	20.354	ug/l	99
47) Bromodichloromethane	9.420	83	80217	20.295	ug/l	97
48) Methyl methacrylate	9.219	41	39908	20.576	ug/l	99
49) 1,4-Dioxane	9.237	88	7653	444.632	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	213720	105.023	ug/l	98
52) Toluene	10.170	92	144686	19.501	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	76950	19.949	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	88052	19.924	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	40220	20.615	ug/l	94
56) Ethyl methacrylate	10.438	69	62553	20.583	ug/l	99
57) 1,3-Dichloropropane	10.719	76	71496	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	129032	94.593	ug/l	99
59) 2-Hexanone	10.762	43	142594	104.509	ug/l	99
60) Dibromochloromethane	10.908	129	51719	20.424	ug/l	98
61) 1,2-Dibromoethane	11.012	107	37293	20.509	ug/l	96
64) Tetrachloroethene	10.646	164	62797	19.866	ug/l	96
65) Chlorobenzene	11.438	112	153929	19.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	50248	18.944	ug/l	97
67) Ethyl Benzene	11.518	91	283493	19.619	ug/l	98
68) m/p-Xylenes	11.627	106	212811	39.085	ug/l	98
69) o-Xylene	11.950	106	101365	19.677	ug/l	97
70) Styrene	11.969	104	168741	19.418	ug/l	99
71) Bromoform	12.127	173	29512	20.613	ug/l #	98
73) Isopropylbenzene	12.255	105	261986	19.627	ug/l	100
74) N-amyl acetate	12.066	43	79208	20.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43741	21.307	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	33956m	20.802	ug/l	
77) Bromobenzene	12.530	156	55800	19.572	ug/l	98
78) n-propylbenzene	12.591	91	317668	19.730	ug/l	99
79) 2-Chlorotoluene	12.676	91	172805	19.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	208067	19.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16041	19.907	ug/l	99
82) 4-Chlorotoluene	12.773	91	178952	19.663	ug/l	100
83) tert-Butylbenzene	12.993	119	190568	19.898	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	210149	19.646	ug/l	99
85) sec-Butylbenzene	13.176	105	281045	19.768	ug/l	99
86) p-Isopropyltoluene	13.292	119	233015	19.488	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	112481	19.326	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	111832	19.976	ug/l	99
89) n-Butylbenzene	13.615	91	225170	19.906	ug/l	99
90) Hexachloroethane	13.877	117	47537	19.695	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	97586	19.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7093	21.427	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	58146	20.591	ug/l	98
94) Hexachlorobutadiene	15.023	225	33000	20.955	ug/l	98
95) Naphthalene	15.145	128	111947	20.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	50425	21.049	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

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

Quant Time: May 16 01:55:07 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

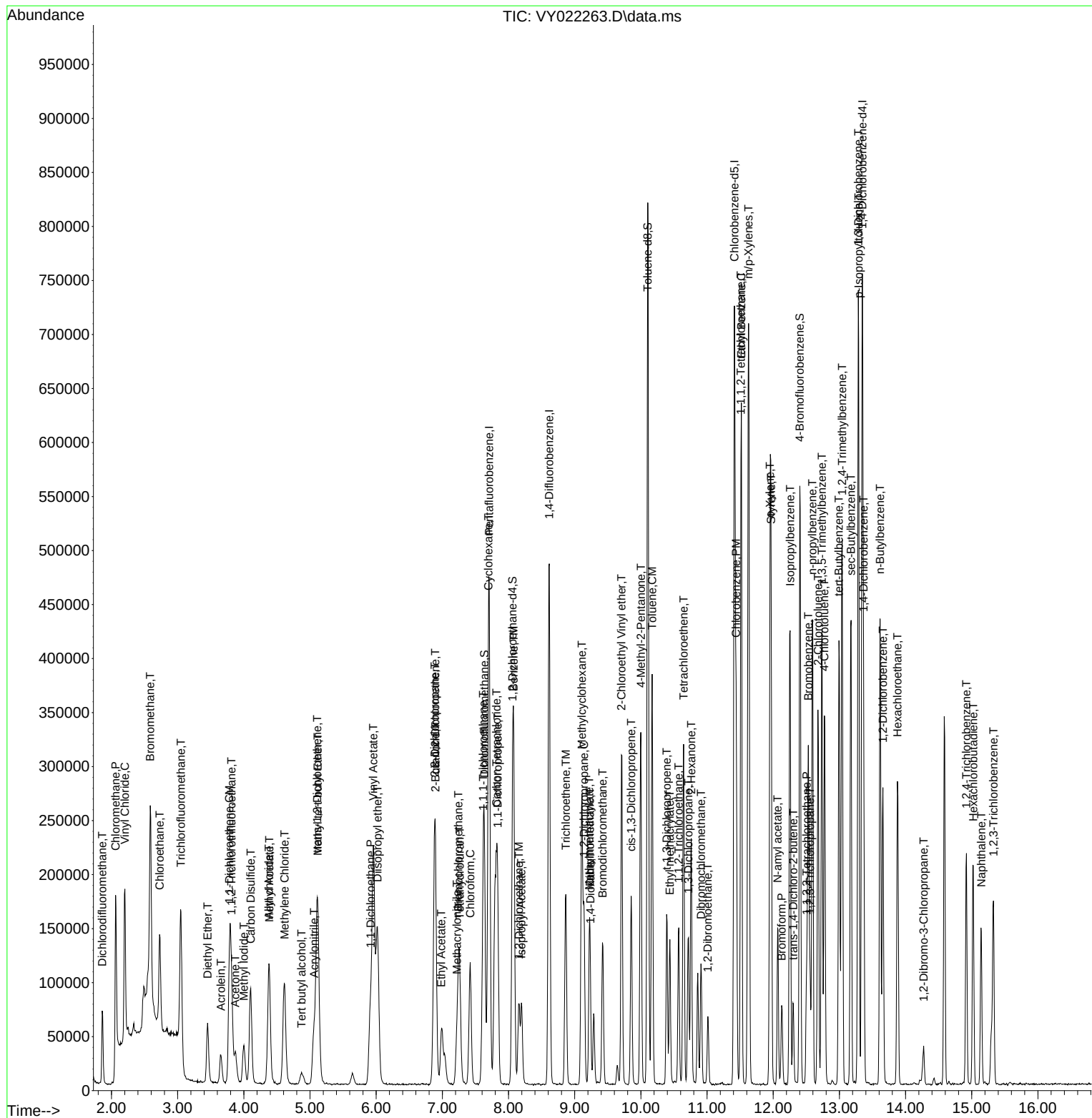
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Acq On : 15 May 2025 14:29
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Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

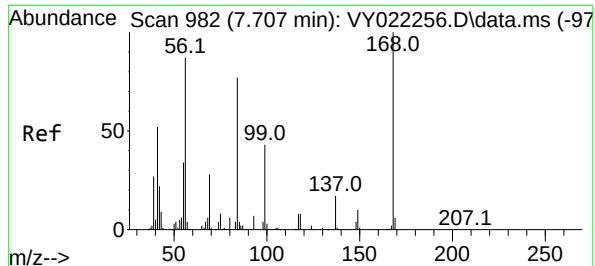
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations

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

Quant Time: May 16 01:55:07 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





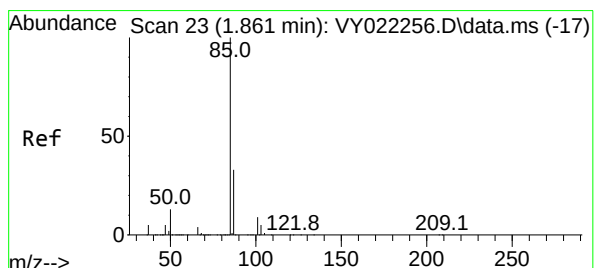
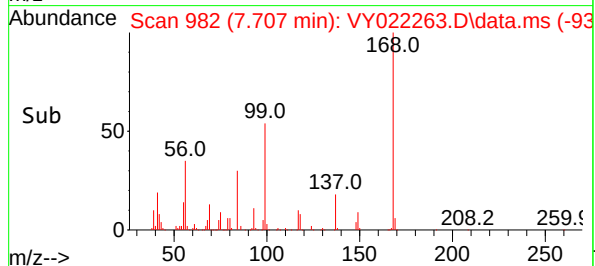
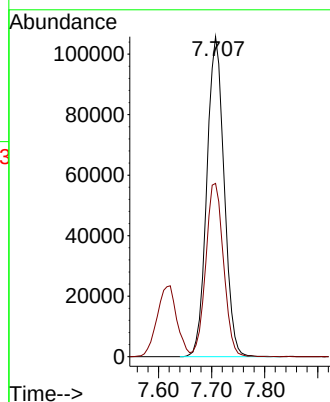
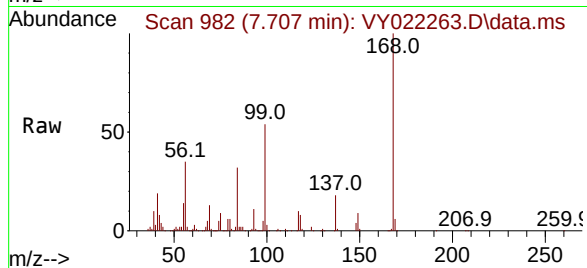
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:168 Resp: 238919
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4

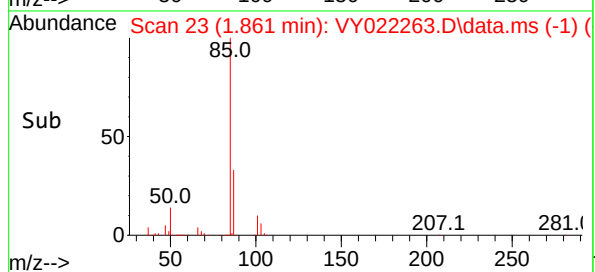
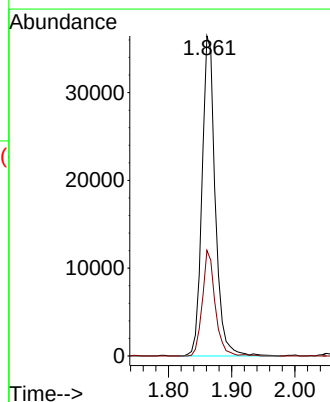
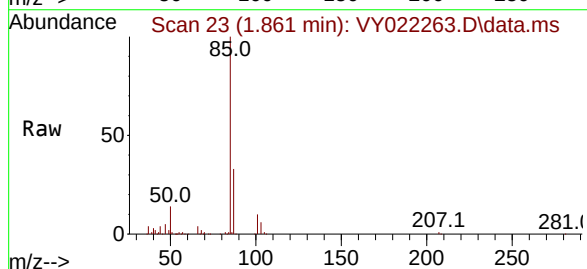
Manual Integrations
APPROVED

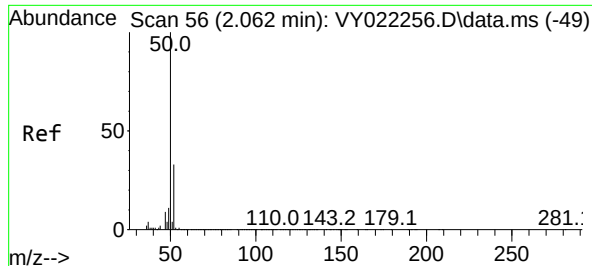
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#2
Dichlorodifluoromethane
Concen: 21.308 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

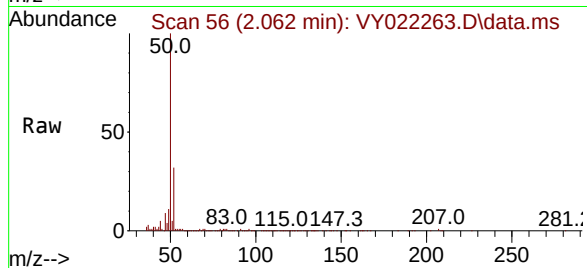
Tgt Ion: 85 Resp: 53122
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





#3
Chloromethane
Concen: 23.036 ug/l
RT: 2.062 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

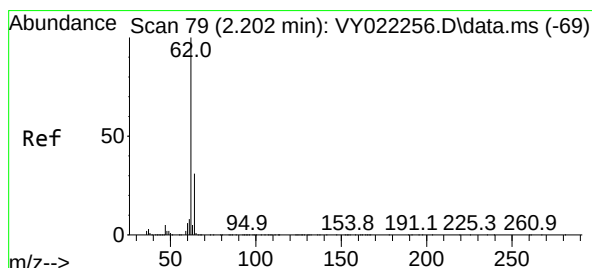
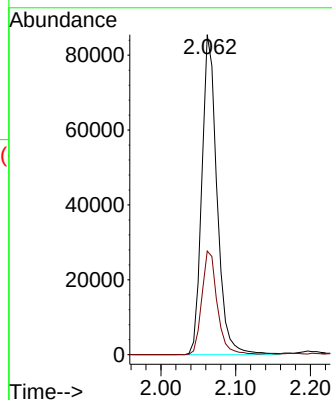
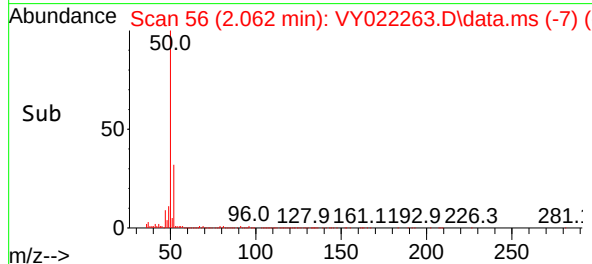
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01



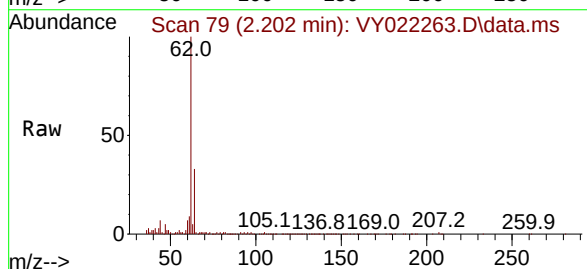
Tgt Ion: 50 Resp: 120800
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

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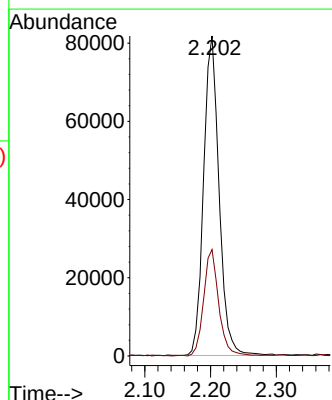
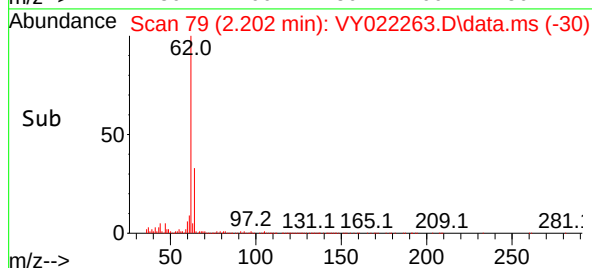
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

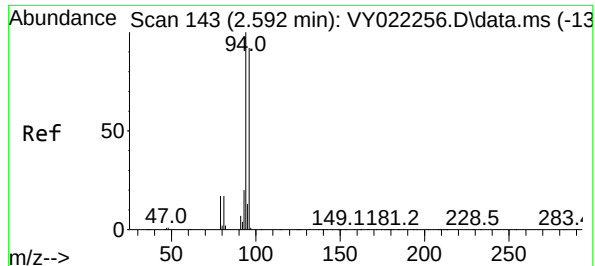


#4
Vinyl Chloride
Concen: 22.841 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



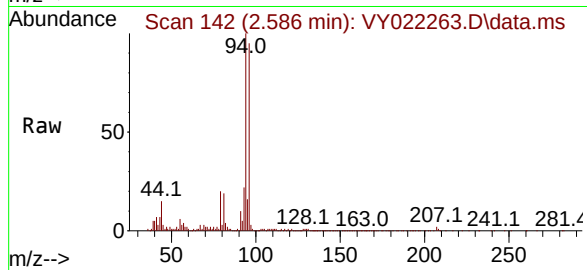
Tgt Ion: 62 Resp: 133825
Ion Ratio Lower Upper
62 100
64 33.1 24.5 36.7





#5
Bromomethane
Concen: 24.313 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

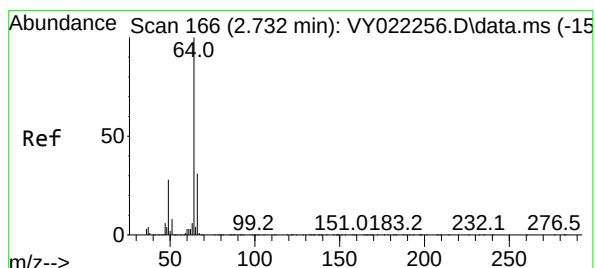
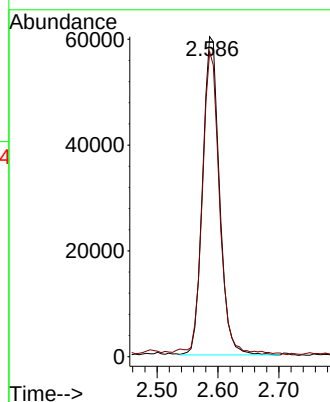
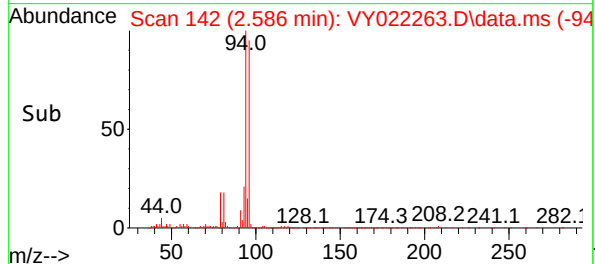
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 94 Resp: 11596
Ion Ratio Lower Upper
94 100
96 94.7 73.4 110.0

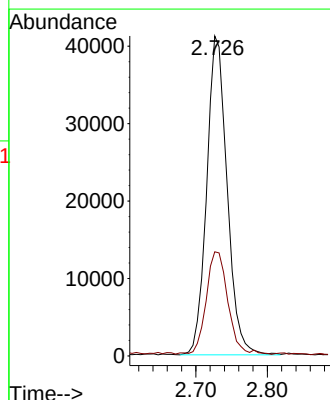
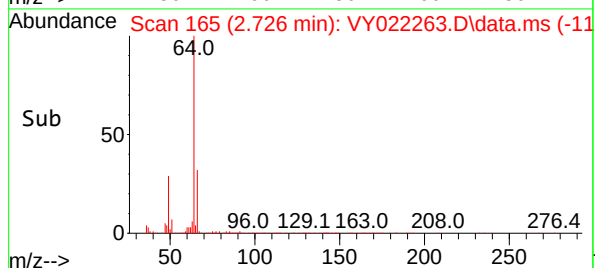
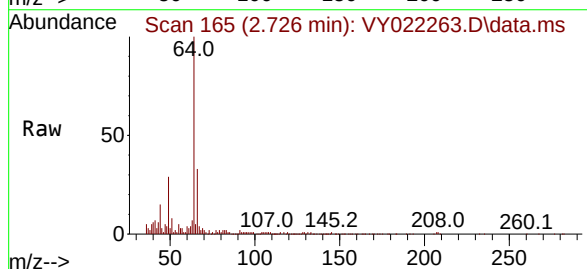
Manual Integrations
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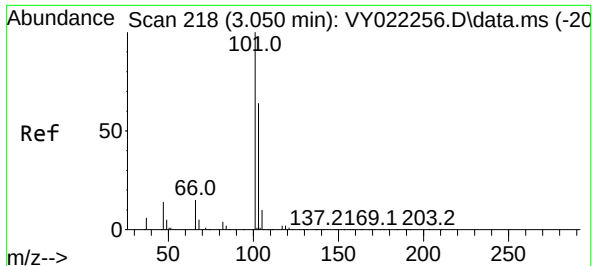
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#6
Chloroethane
Concen: 22.381 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 64 Resp: 81580
Ion Ratio Lower Upper
64 100
66 31.8 24.8 37.2





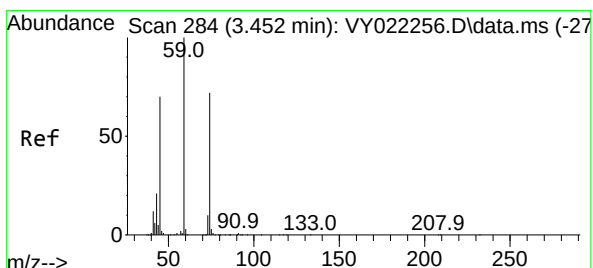
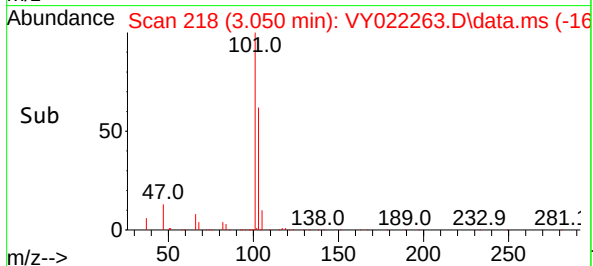
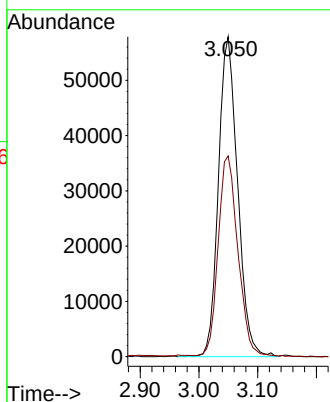
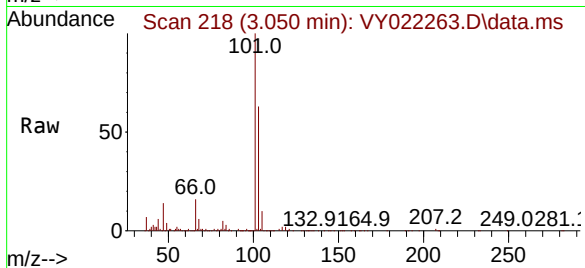
#7
Trichlorofluoromethane
Concen: 22.130 ug/l
RT: 3.050 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:101 Resp: 131275
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5

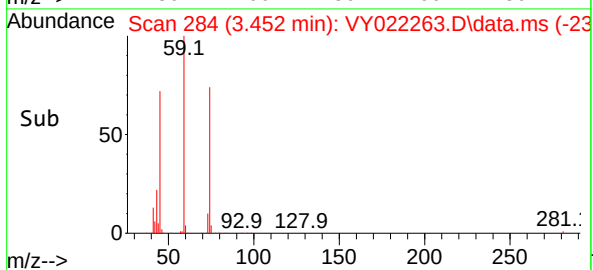
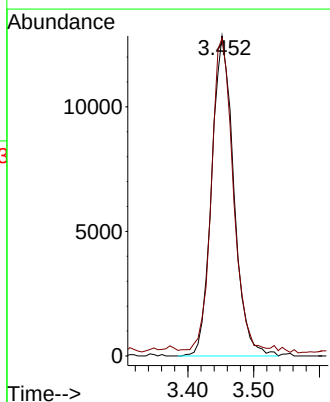
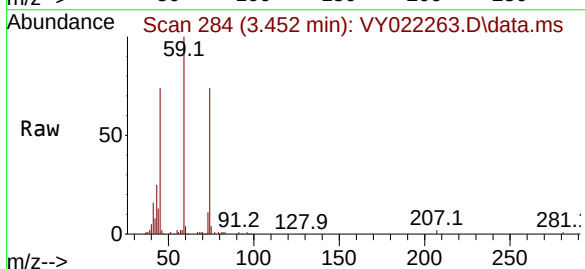
Manual Integrations
APPROVED

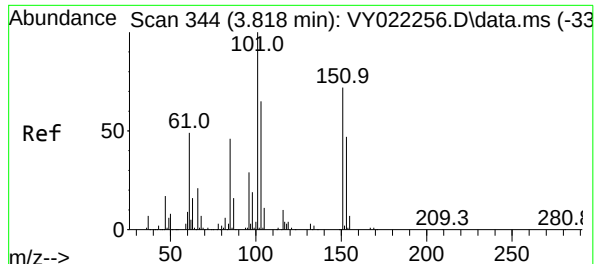
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#8
Diethyl Ether
Concen: 21.145 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 74 Resp: 30102
Ion Ratio Lower Upper
74 100
45 94.5 48.6 145.8





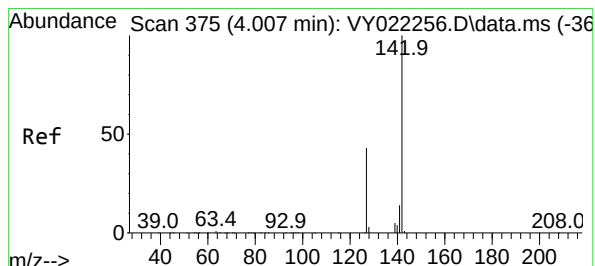
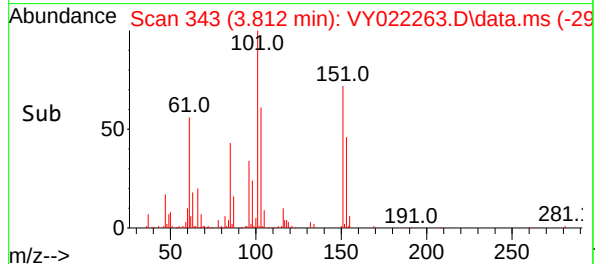
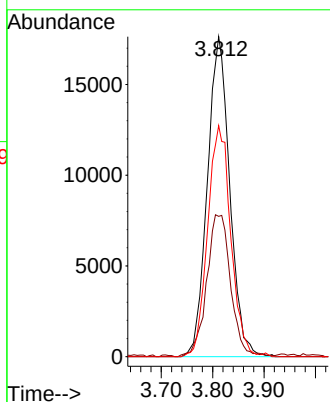
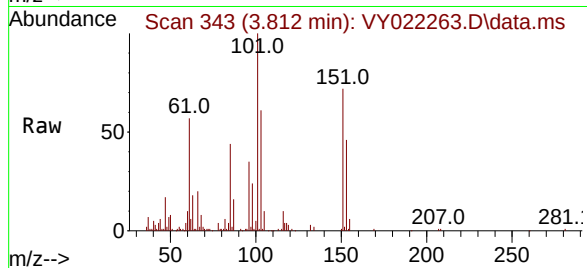
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1,1,2-Trichlorotrifluoroethane
Concen: 20.694 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:101 Resp: 5329
Ion Ratio Lower Upper
101 100
85 47.4 38.6 58.0
151 74.4 59.7 89.5

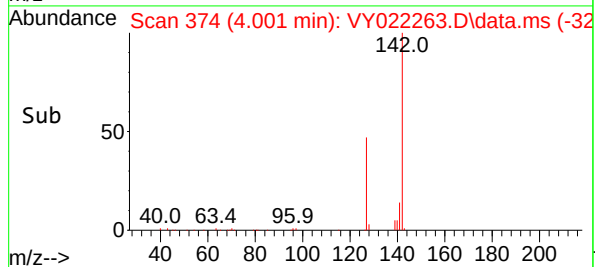
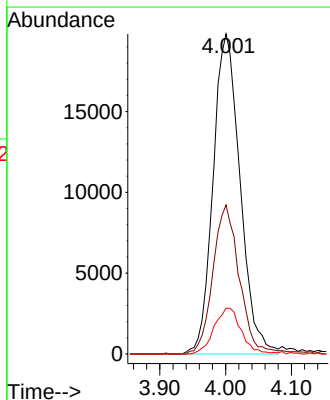
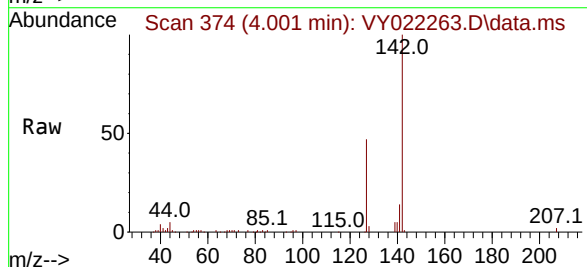
Manual Integrations
APPROVED

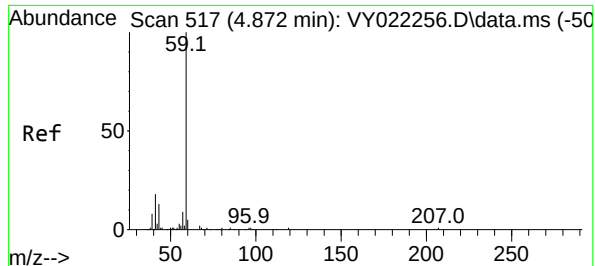
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#10
Methyl Iodide
Concen: 18.984 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:142 Resp: 56585
Ion Ratio Lower Upper
142 100
127 46.1 35.7 53.5
141 14.2 11.1 16.7





#11

Tert butyl alcohol

Concen: 111.741 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 59 Resp: 2228

Ion Ratio Lower Upper

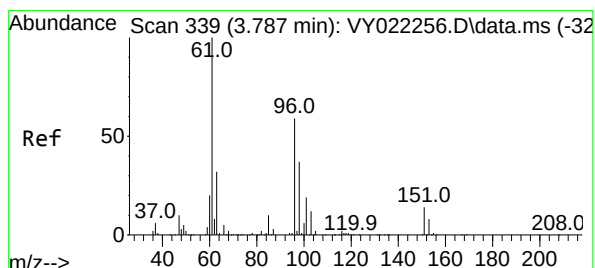
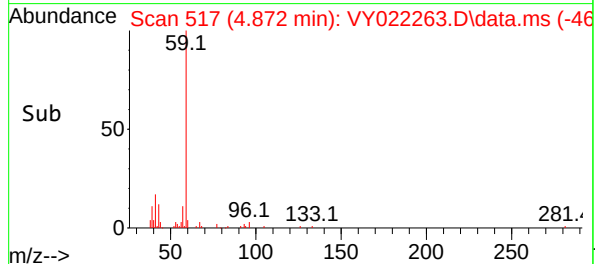
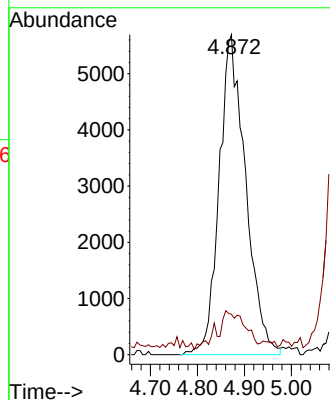
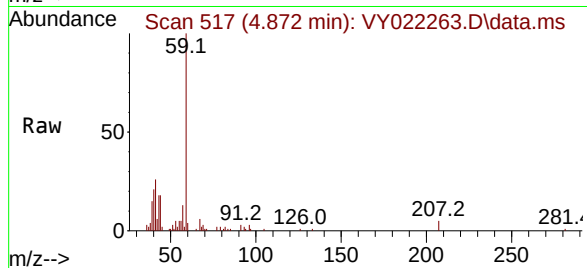
59 100

57 8.4 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: 19.977 ug/l

RT: 3.781 min Scan# 338

Delta R.T. -0.006 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

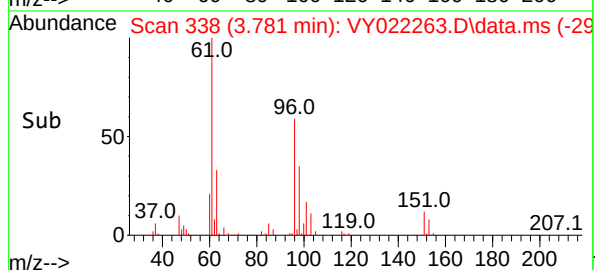
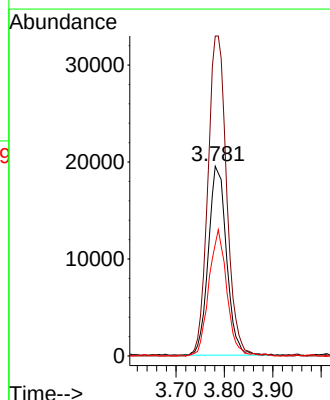
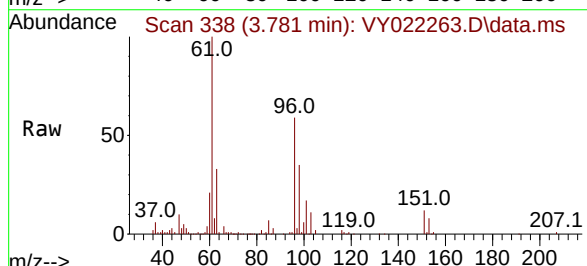
Tgt Ion: 96 Resp: 51053

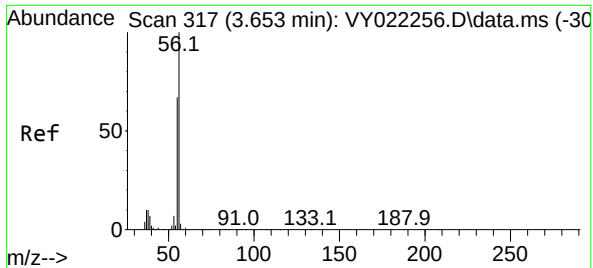
Ion Ratio Lower Upper

96 100

61 169.2 134.9 202.3

98 59.1 49.9 74.9





#13

Acrolein

Concen: 101.701 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022263.D

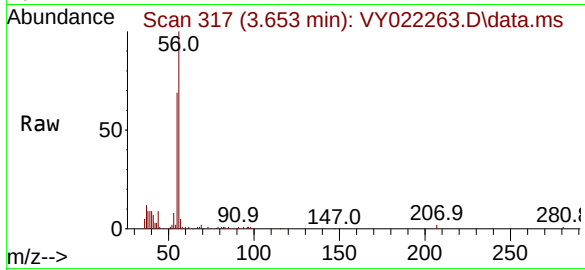
Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion: 56 Resp: 29640

Ion Ratio Lower Upper

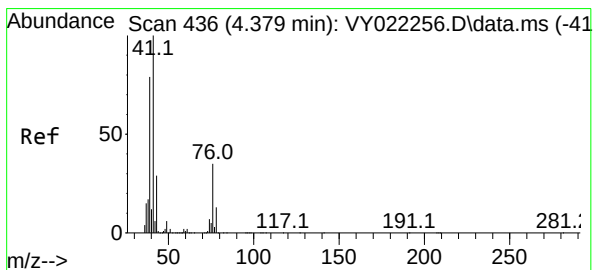
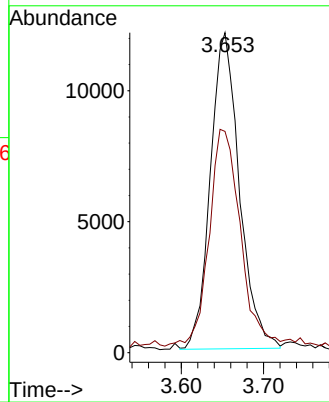
56 100

55 73.6 55.6 83.4

Manual Integrations

APPROVED

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



#14

Allyl chloride

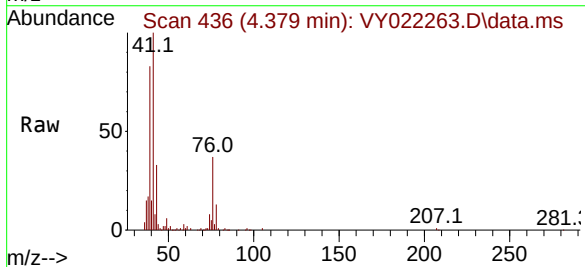
Concen: 20.242 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29



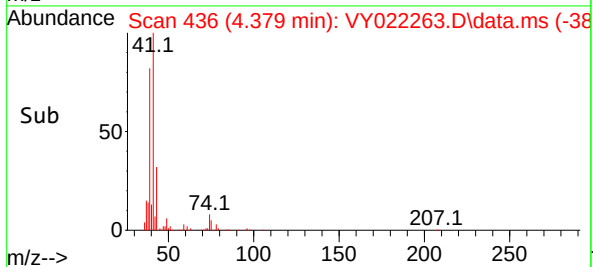
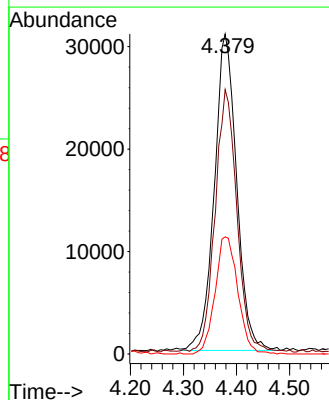
Tgt Ion: 41 Resp: 90707

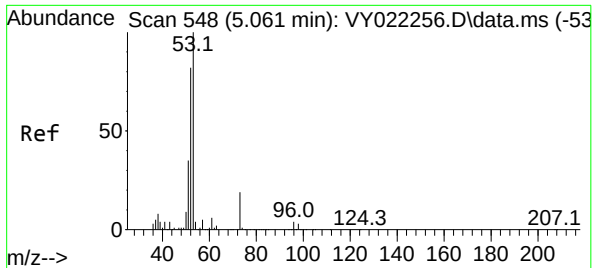
Ion Ratio Lower Upper

41 100

39 80.8 63.4 95.0

76 37.6 29.5 44.3





#15

Acrylonitrile

Concen: 107.846 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 53 Resp: 63262

Ion Ratio Lower Upper

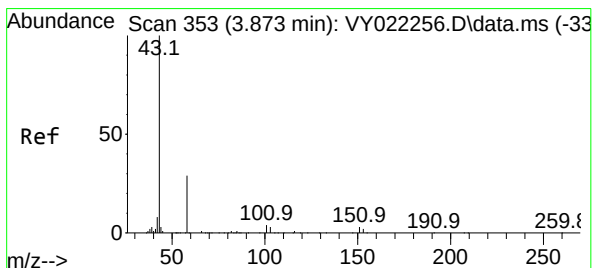
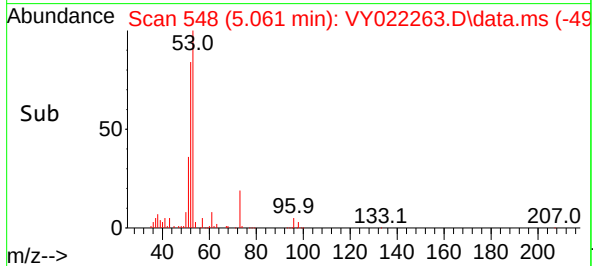
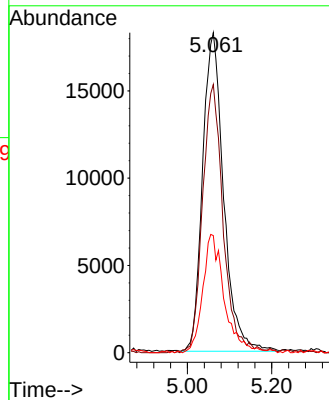
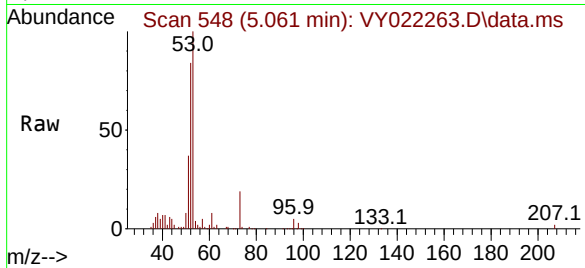
53 100

52 82.3 66.1 99.1

51 38.0 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: 100.243 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY022263.D

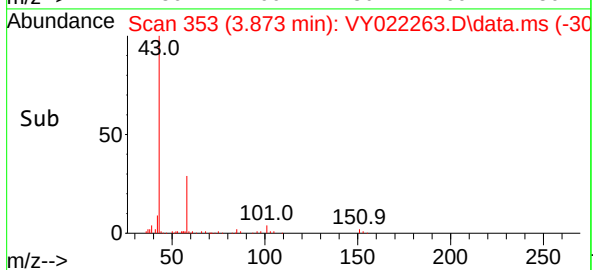
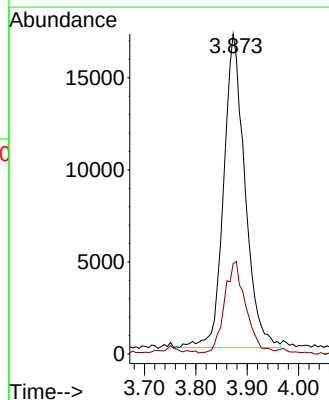
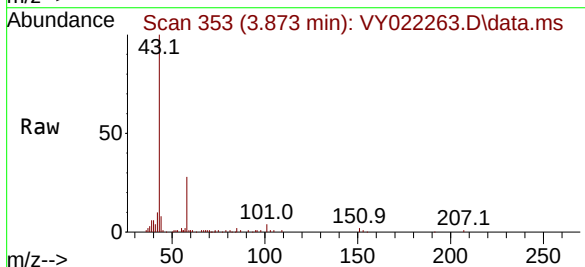
Acq: 15 May 2025 14:29

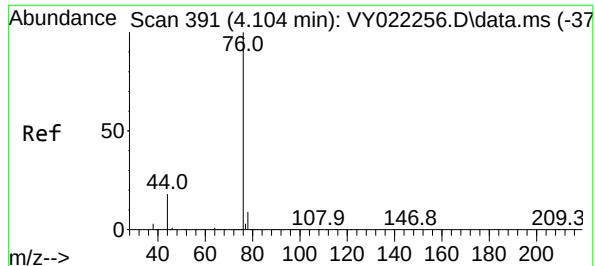
Tgt Ion: 43 Resp: 49080

Ion Ratio Lower Upper

43 100

58 27.8 23.6 35.4





#17

Carbon Disulfide

Concen: 20.511 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 76 Resp: 17093

Ion Ratio Lower Upper

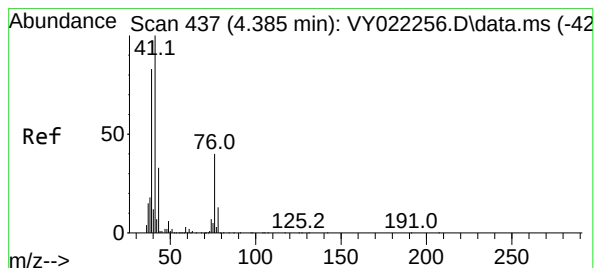
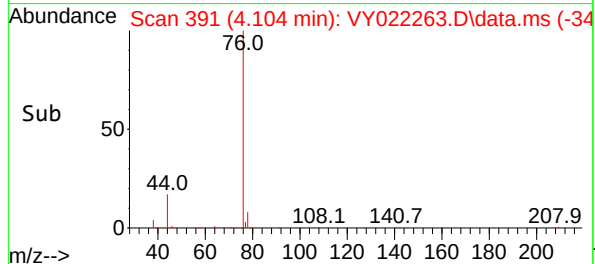
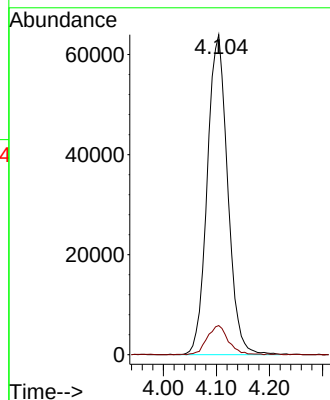
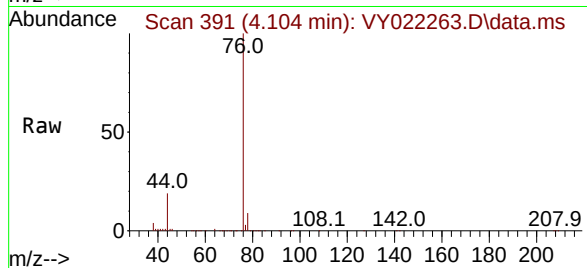
76 100

78 9.0 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: 21.277 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022263.D

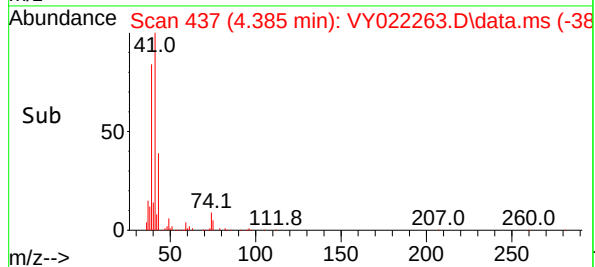
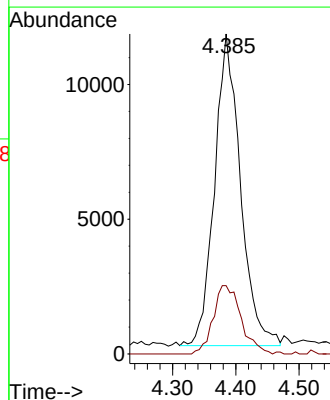
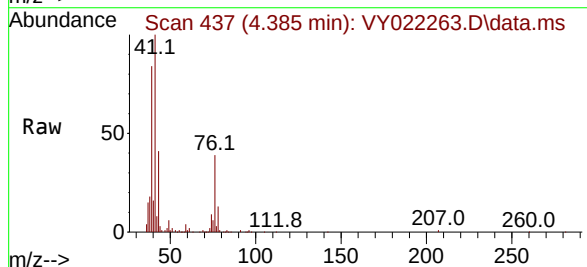
Acq: 15 May 2025 14:29

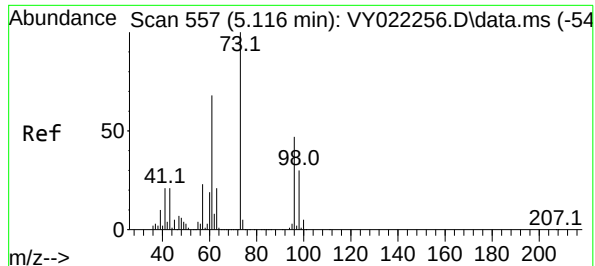
Tgt Ion: 43 Resp: 32845

Ion Ratio Lower Upper

43 100

74 23.5 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 20.984 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 73 Resp: 14786

Ion Ratio Lower Upper

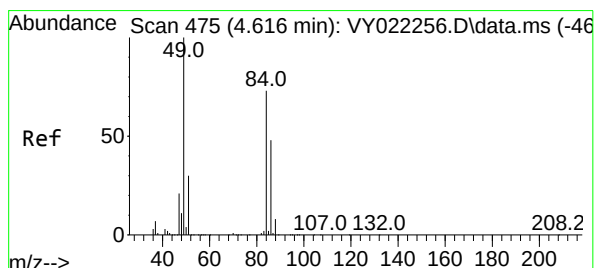
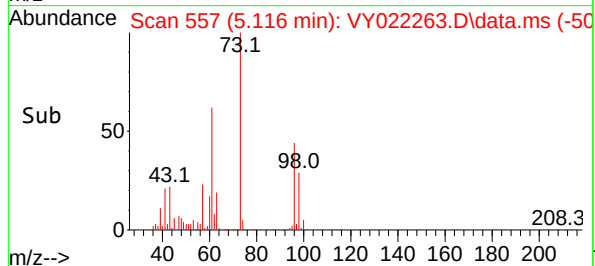
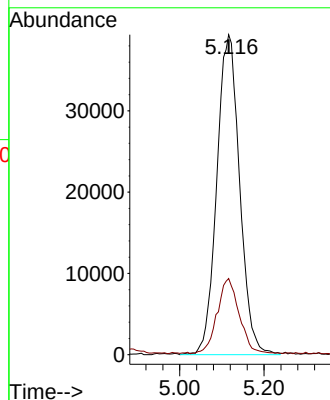
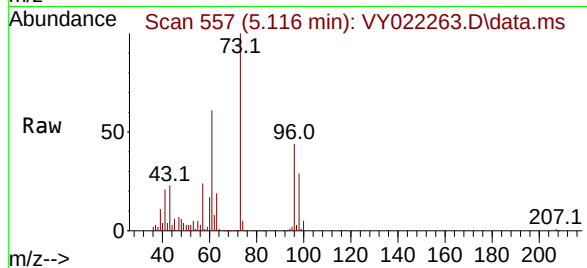
73 100

57 23.4 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: 21.257 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion: 84 Resp: 67252

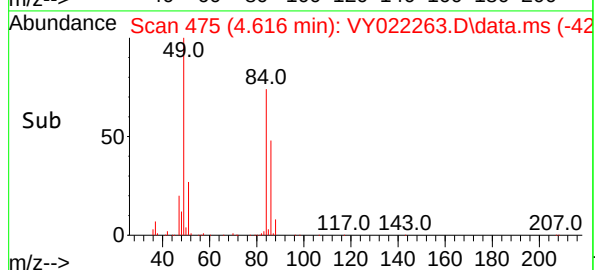
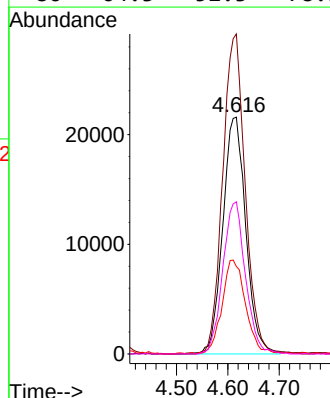
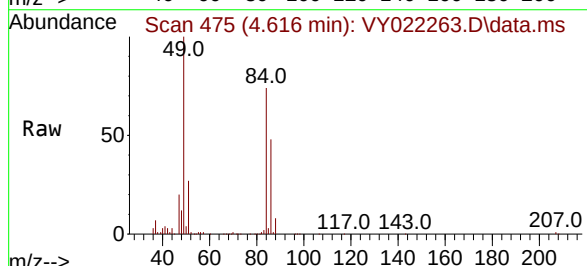
Ion Ratio Lower Upper

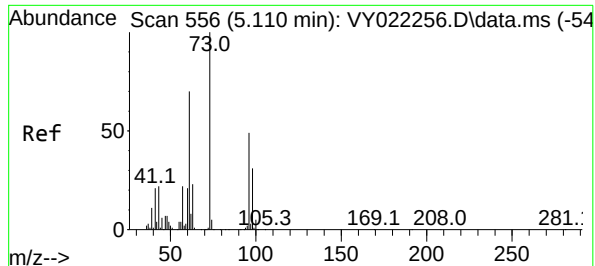
84 100

49 135.1 109.6 164.4

51 36.5 32.4 48.6

86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.700 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 96 Resp: 5839

Ion Ratio Lower Upper

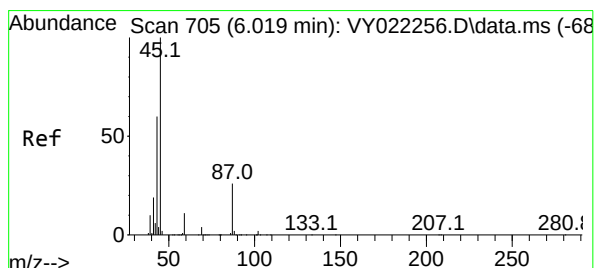
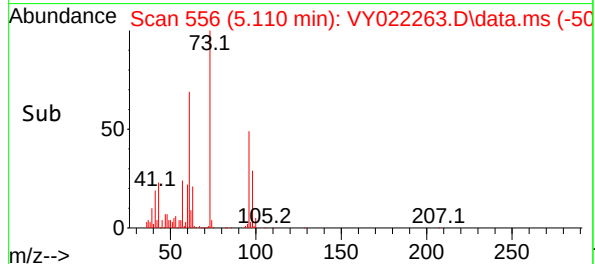
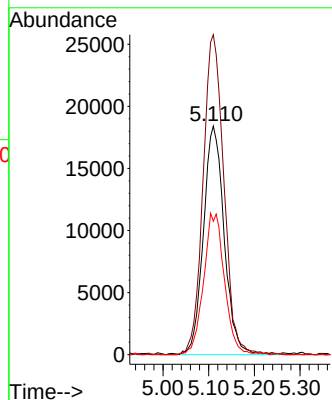
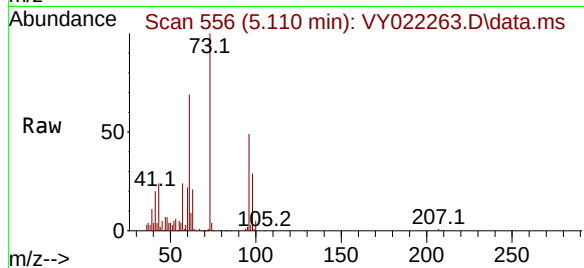
96 100

61 139.6 113.4 170.0

98 58.1 50.9 76.3

Manual Integrations

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

#22

Diisopropyl ether

Concen: 20.225 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion: 45 Resp: 191390

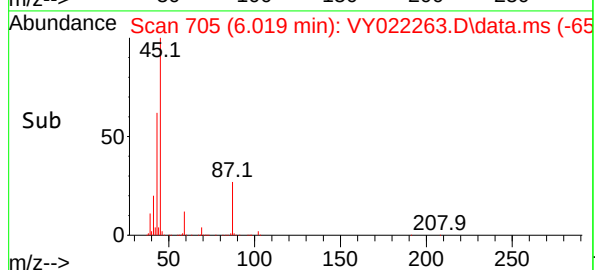
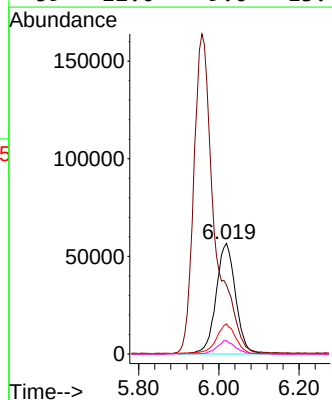
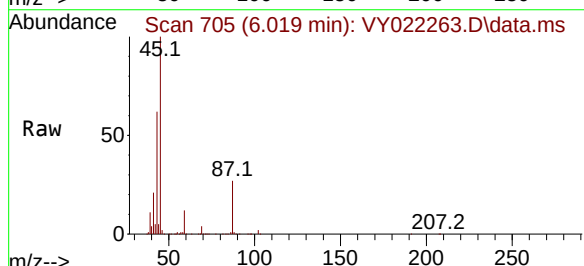
Ion Ratio Lower Upper

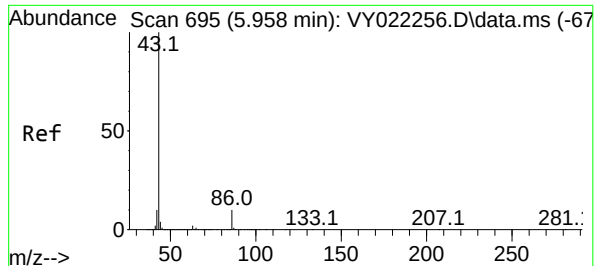
45 100

43 61.3 48.2 72.2

87 27.3 21.4 32.0

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 101.820 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 582104

Ion Ratio Lower Upper

43

100

86

9.6

7.8

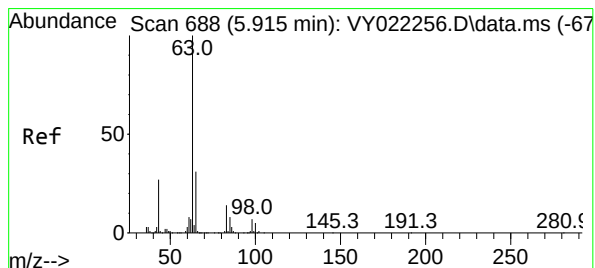
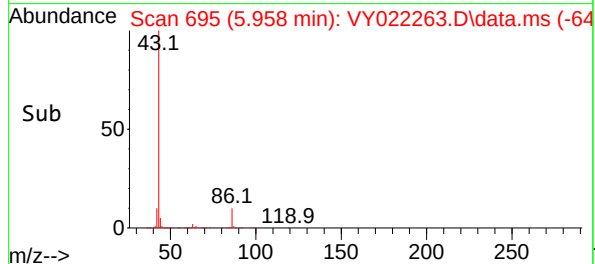
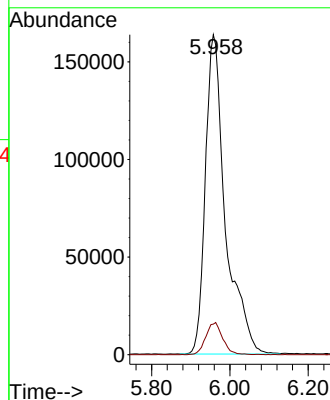
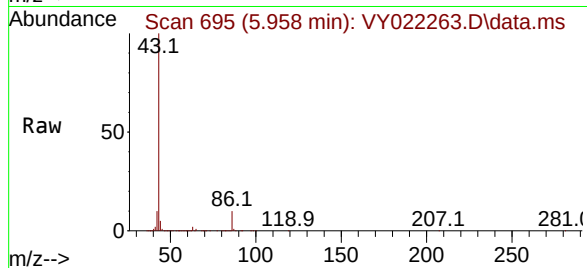
11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#24

1,1-Dichloroethane

Concen: 20.303 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 107336

Ion Ratio Lower Upper

63

100

98

7.1

3.5

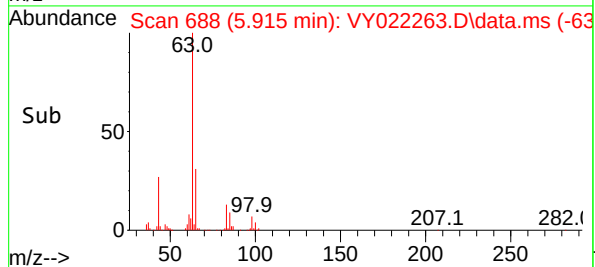
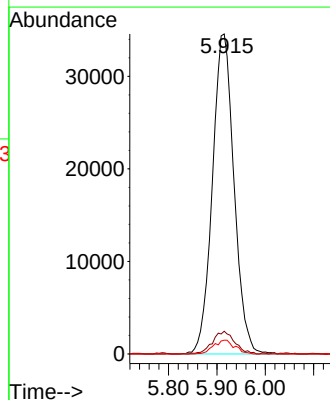
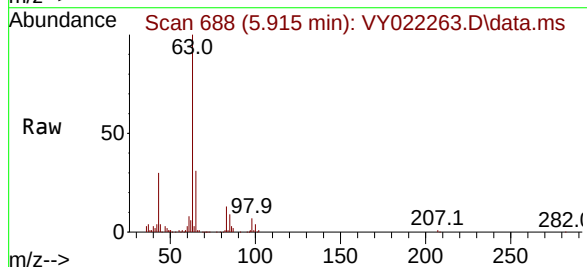
10.5

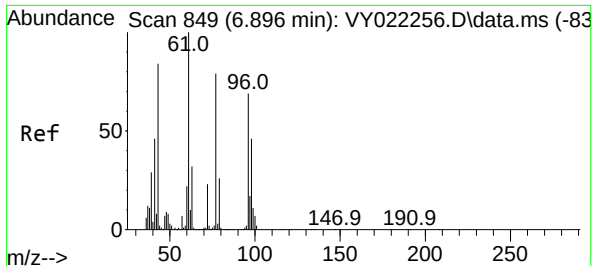
100

4.3

2.4

7.2





#25

2-Butanone

Concen: 103.553 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 8480

Ion Ratio Lower Upper

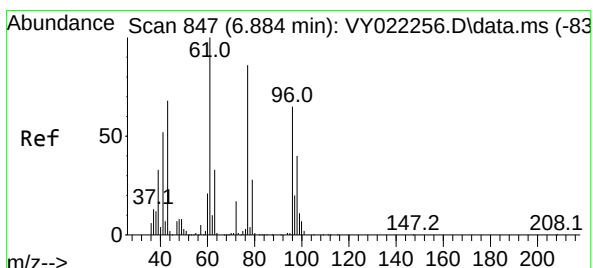
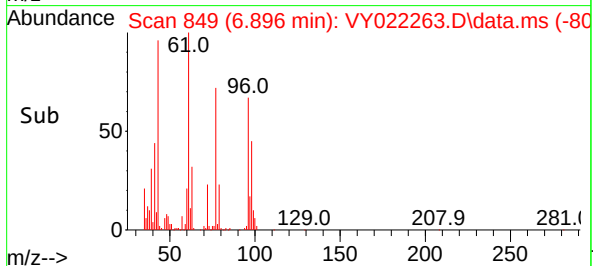
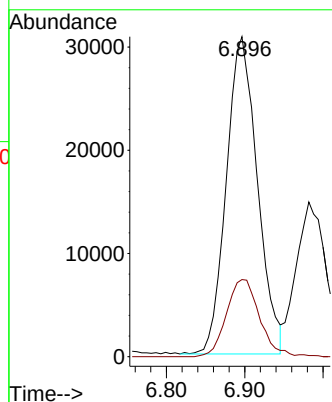
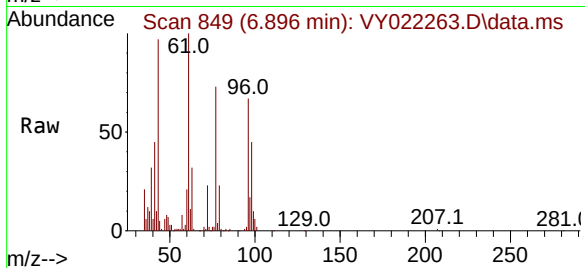
43 100

72 24.3 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: 20.013 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022263.D

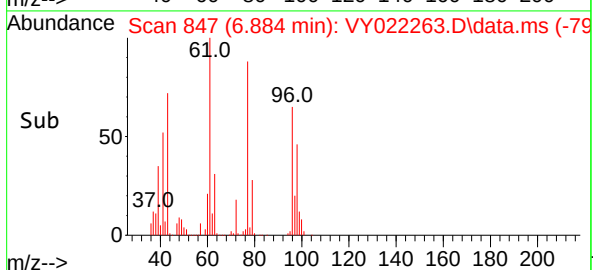
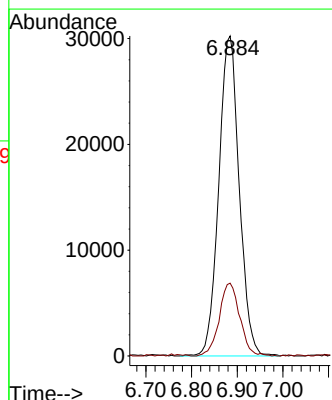
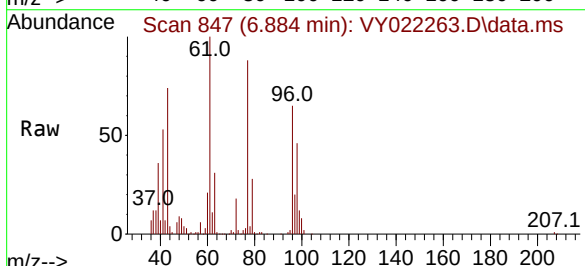
Acq: 15 May 2025 14:29

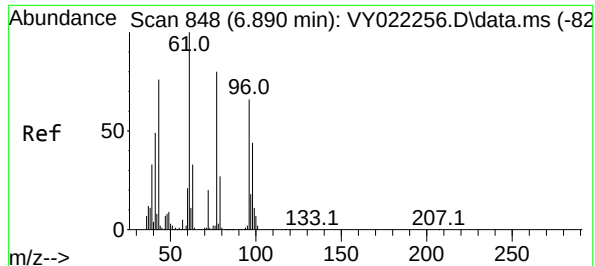
Tgt Ion: 77 Resp: 94109

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.118 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 96 Resp: 6548

Ion Ratio Lower Upper

96 100

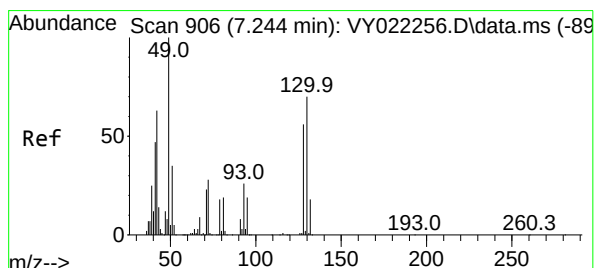
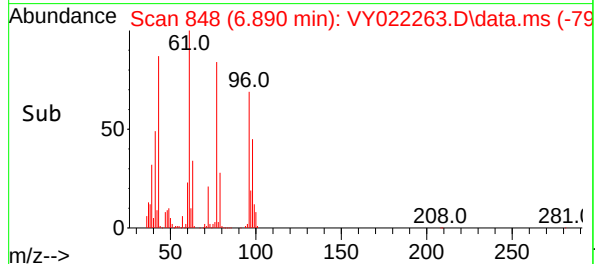
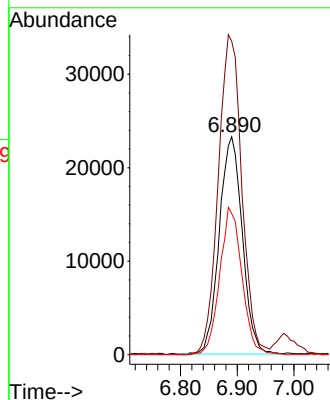
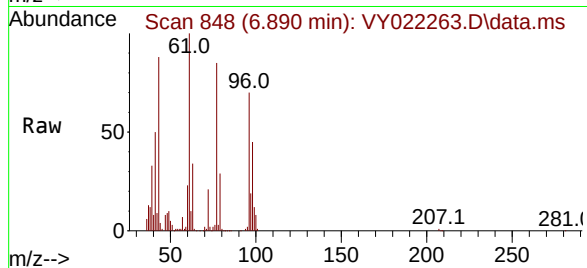
61 150.9 0.0 302.6

98 65.3 0.0 128.8

Manual Integrations

APPROVED

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



#28

Bromochloromethane

Concen: 20.301 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

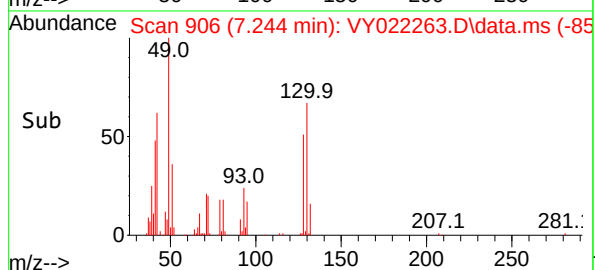
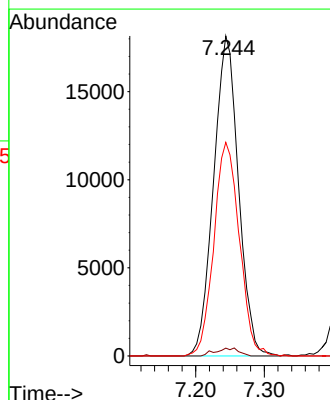
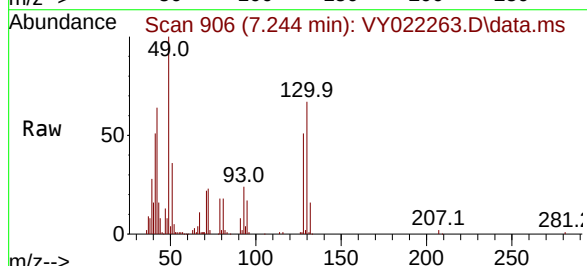
Tgt Ion: 49 Resp: 45781

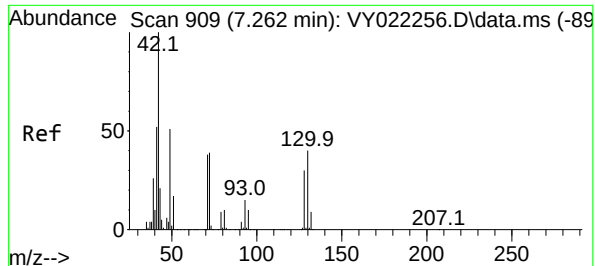
Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.6

130 68.3 54.7 82.1





#29

Tetrahydrofuran

Concen: 109.345 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

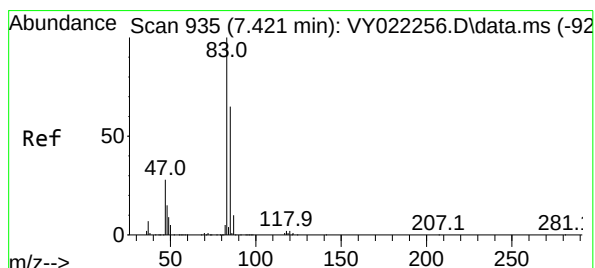
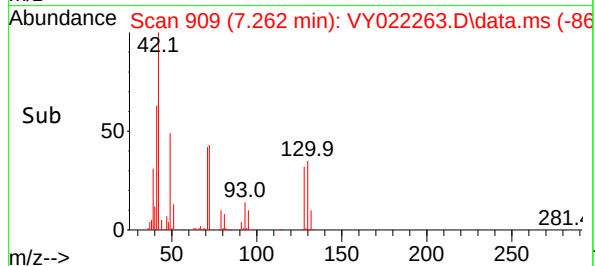
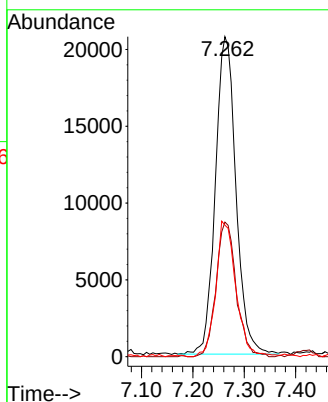
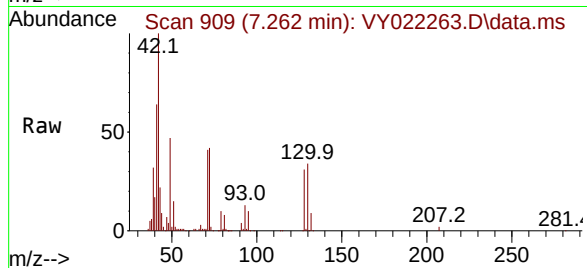
VY0515SBS01

Tgt Ion:	42	Resp:	5761
Ion Ratio	Lower	Upper	
42	100		
72	41.5	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: 20.505 ug/l

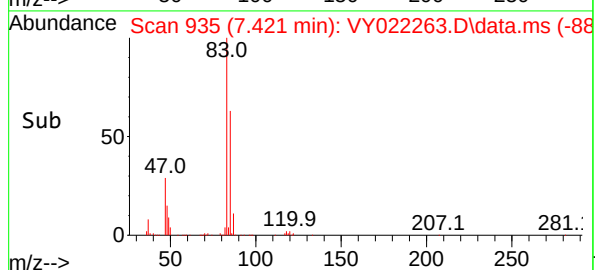
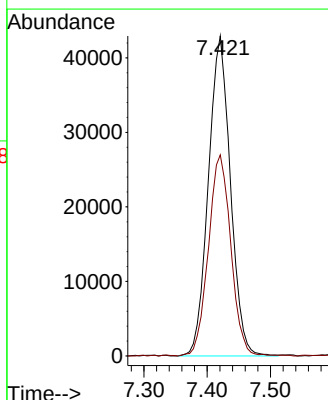
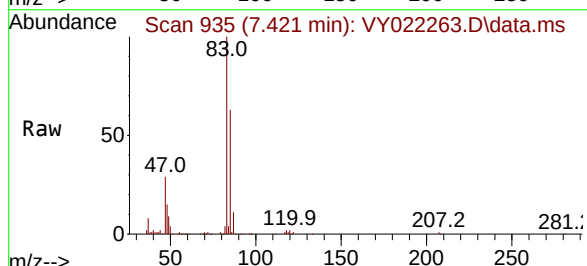
RT: 7.421 min Scan# 935

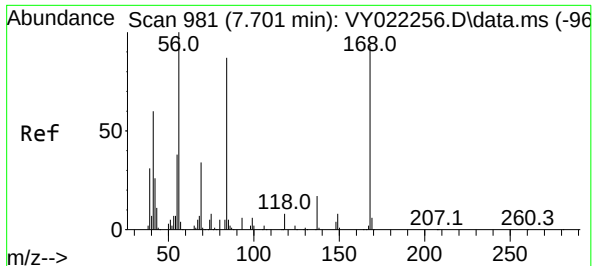
Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion:	83	Resp:	103980
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.8	77.8





#31

Cyclohexane

Concen: 19.873 ug/l

RT: 7.695 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022263.D

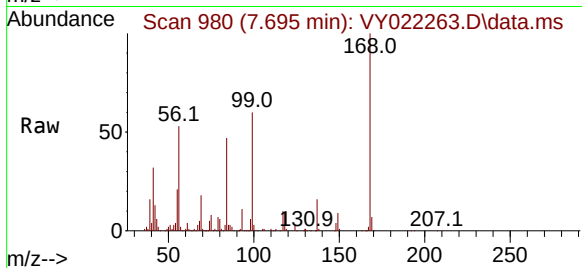
Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion: 56 Resp: 104972

Ion Ratio Lower Upper

56 100

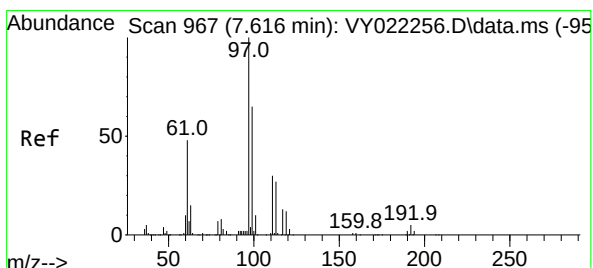
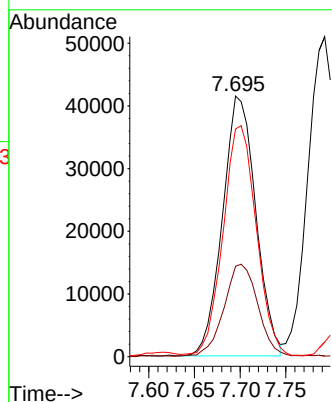
69 34.5 27.4 41.2

84 86.8 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: 20.102 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

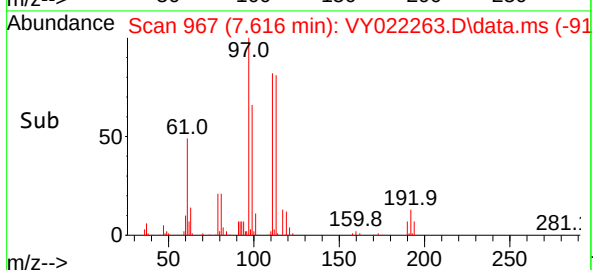
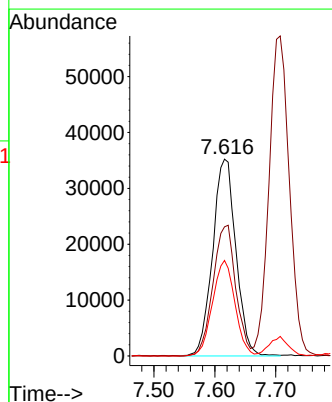
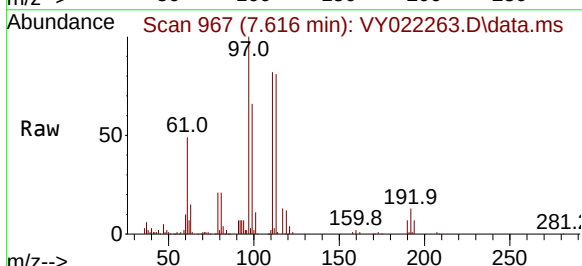
Tgt Ion: 97 Resp: 93522

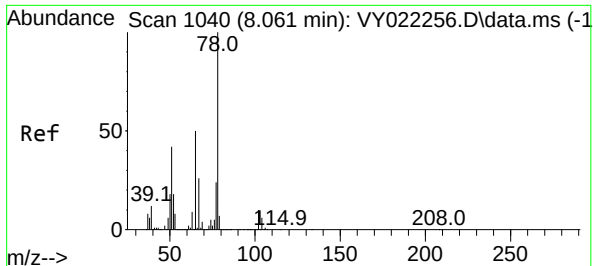
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 46.7 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 51.941 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 65 Resp: 135620

Ion Ratio Lower Upper

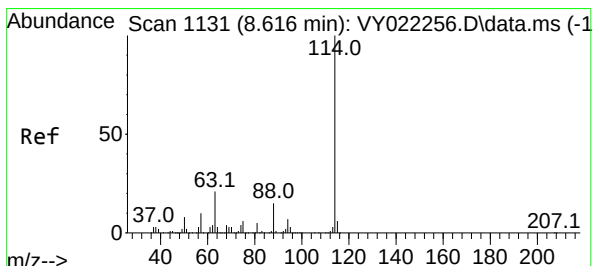
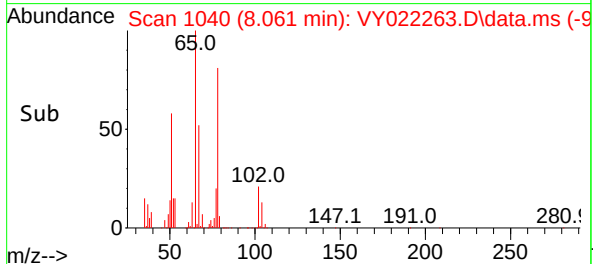
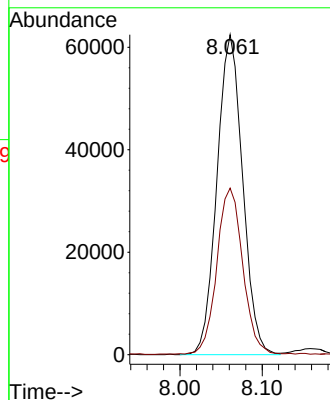
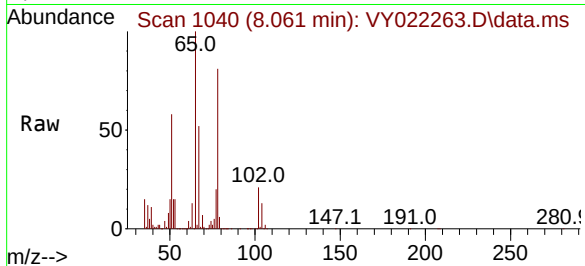
65 100

67 52.6 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: VY022263.D

Acq: 15 May 2025 14:29

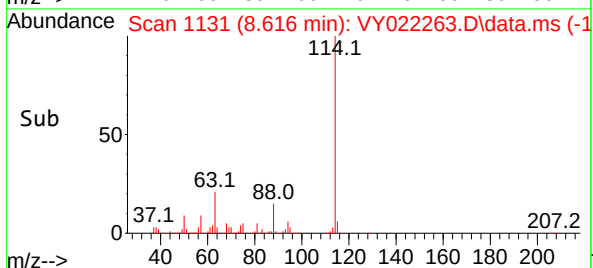
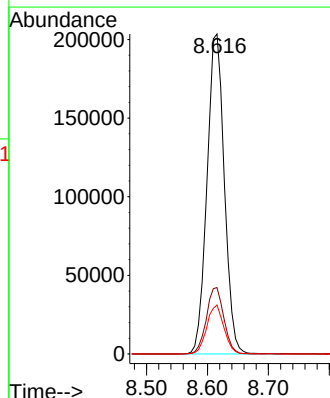
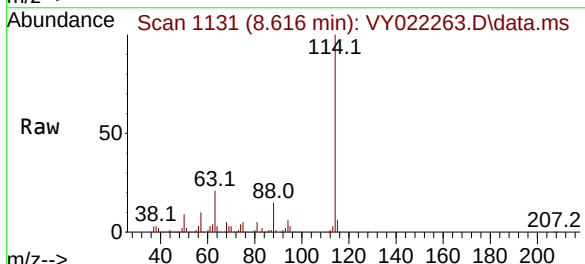
Tgt Ion:114 Resp: 402031

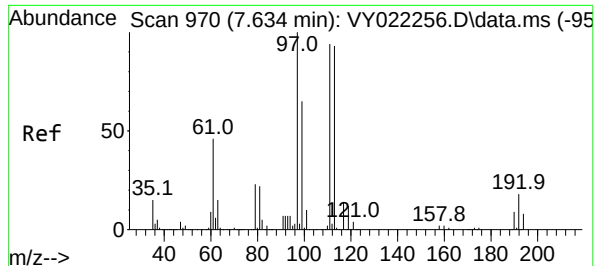
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 15.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.366 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion:113 Resp: 12325

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

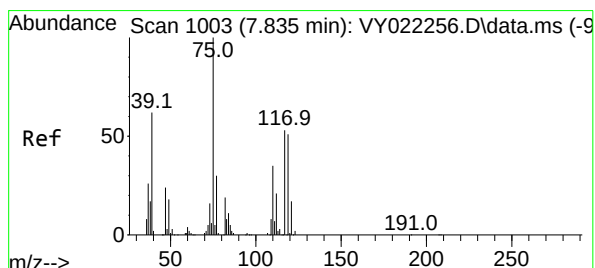
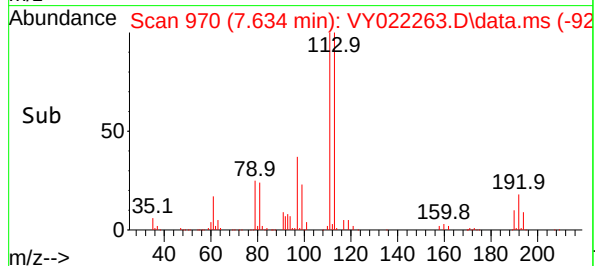
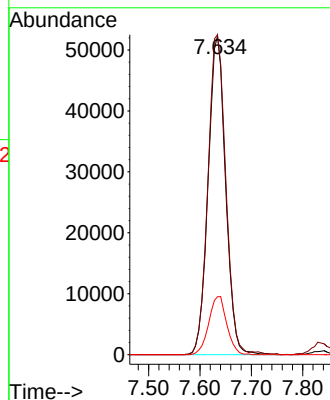
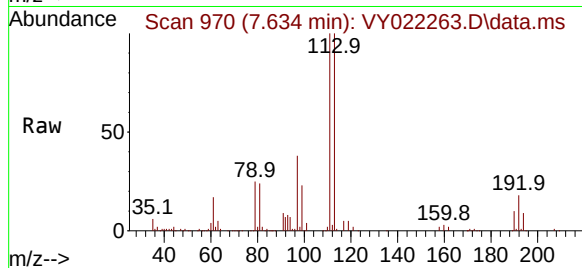
192 18.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#36

1,1-Dichloropropene

Concen: 19.899 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

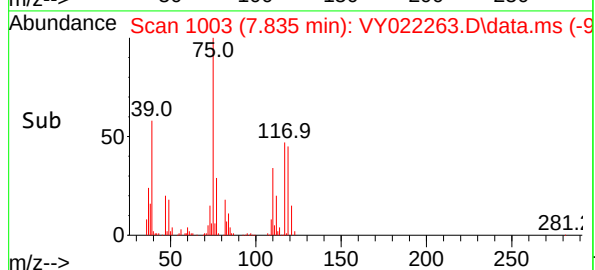
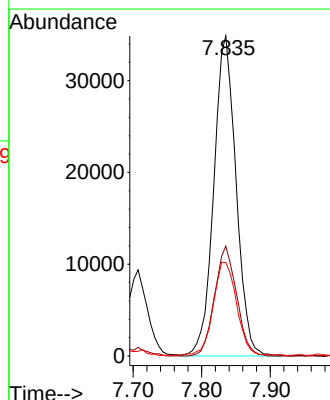
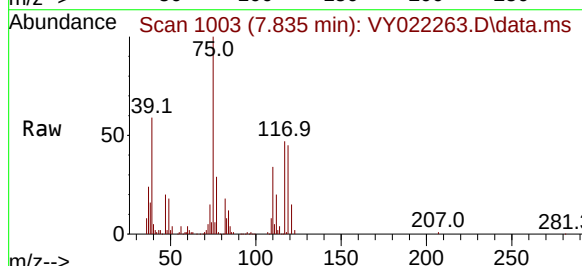
Tgt Ion: 75 Resp: 78647

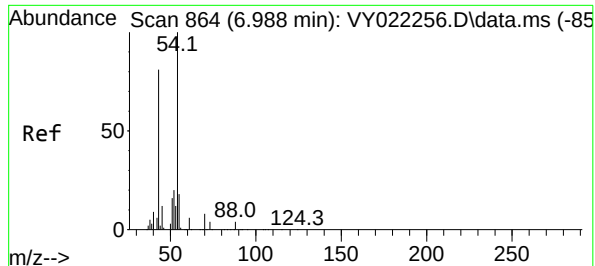
Ion Ratio Lower Upper

75 100

110 33.9 16.6 49.8

77 30.4 24.6 37.0





#37

Ethyl Acetate

Concen: 21.564 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 41008

Ion Ratio Lower Upper

43 100

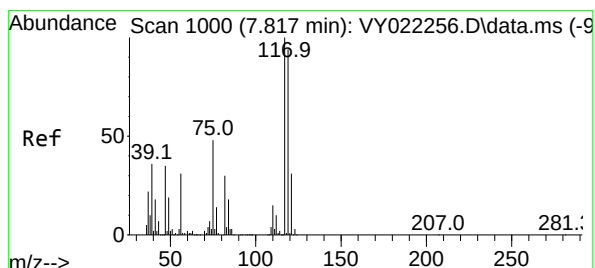
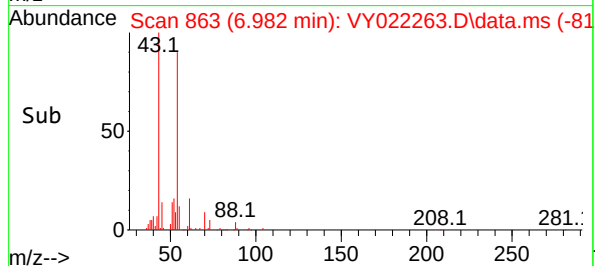
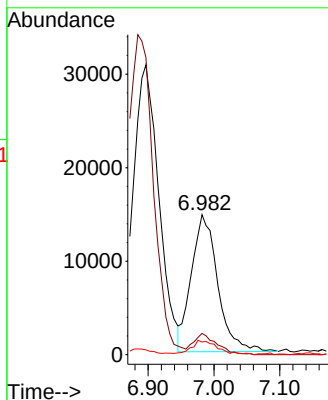
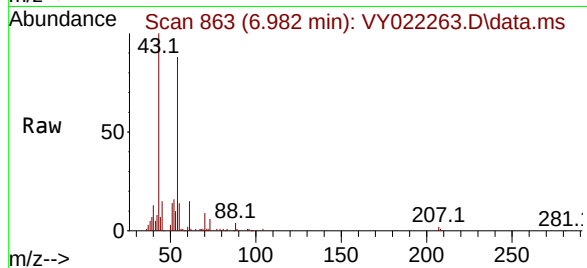
61 13.5 10.2 15.2

70 10.3 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: 19.785 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

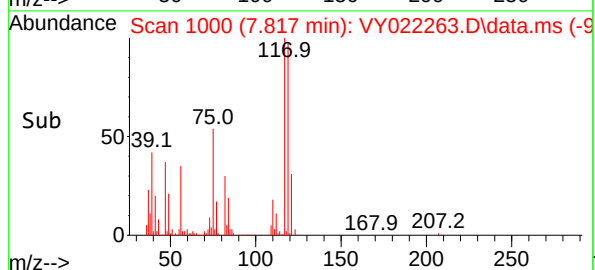
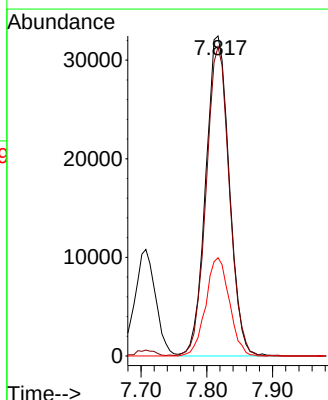
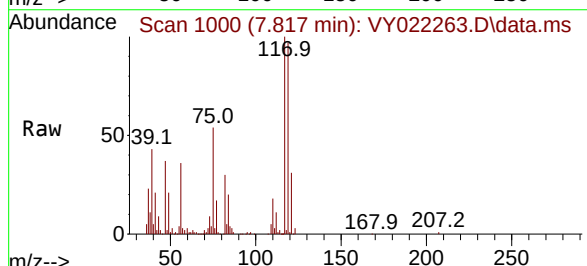
Tgt Ion:117 Resp: 80942

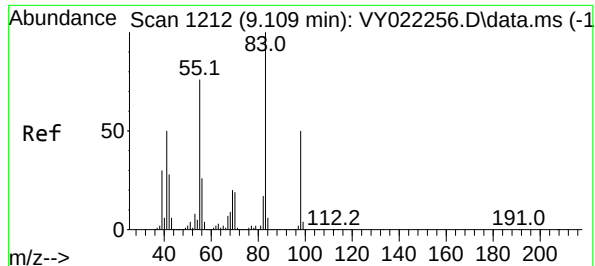
Ion Ratio Lower Upper

117 100

119 96.4 75.3 112.9

121 30.7 24.7 37.1





#39

Methylcyclohexane

Concen: 19.962 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 83 Resp: 105990

Ion Ratio Lower Upper

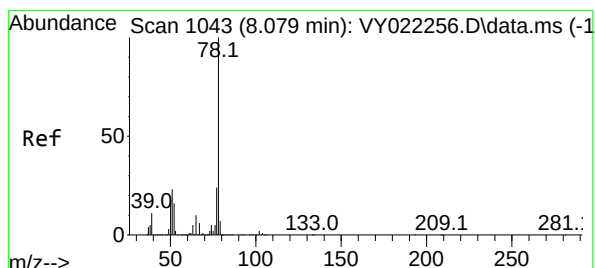
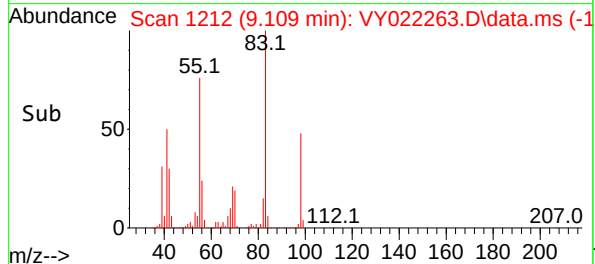
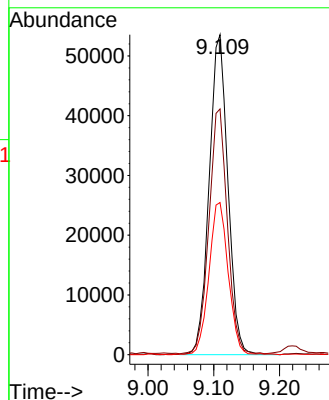
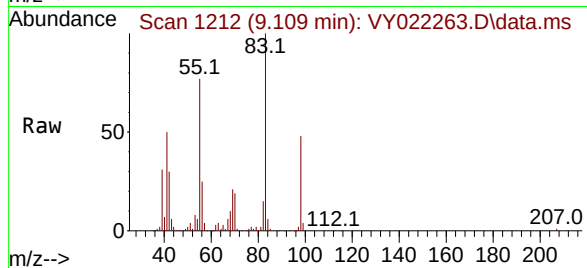
83 100

55 76.5 60.6 90.8

98 47.6 40.0 60.0

Manual Integrations

APPROVED

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

#40

Benzene

Concen: 20.035 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022263.D

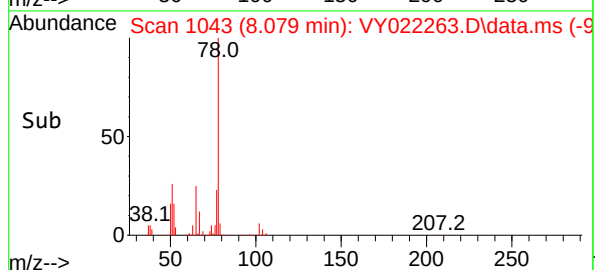
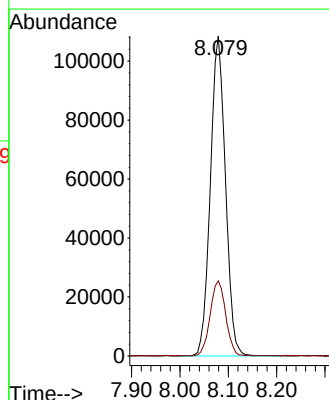
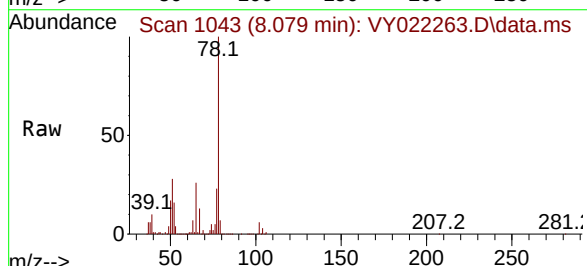
Acq: 15 May 2025 14:29

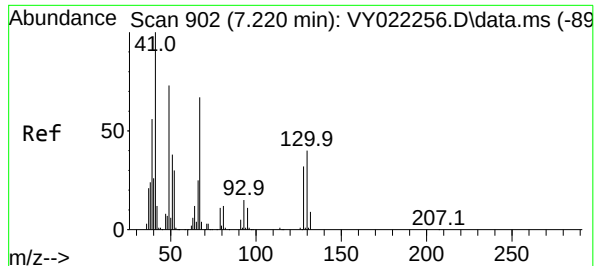
Tgt Ion: 78 Resp: 234747

Ion Ratio Lower Upper

78 100

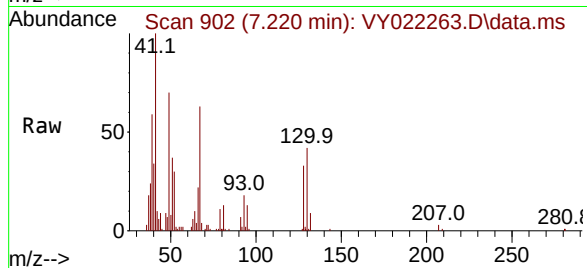
77 23.4 18.9 28.3





#41
Methacrylonitrile
Concen: 18.834 ug/l m
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

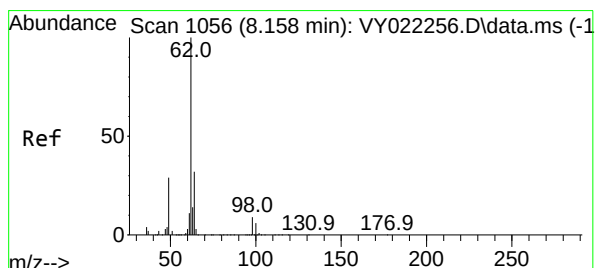
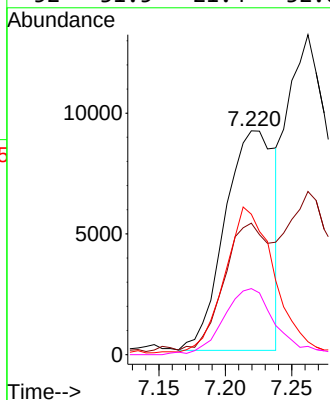
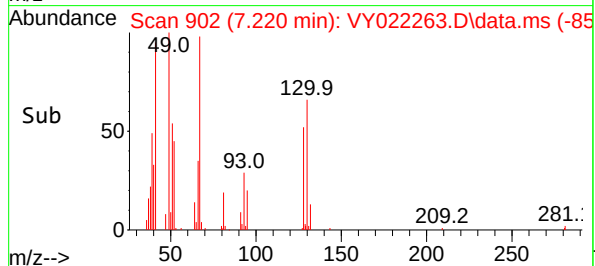
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 41 Resp: 23758
Ion Ratio Lower Upper
41 100
39 48.9 39.1 58.7
67 66.5 47.1 70.7
52 31.5 21.4 32.0

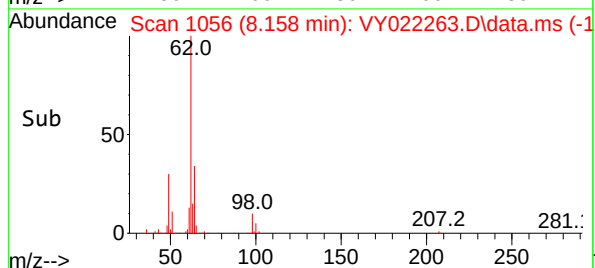
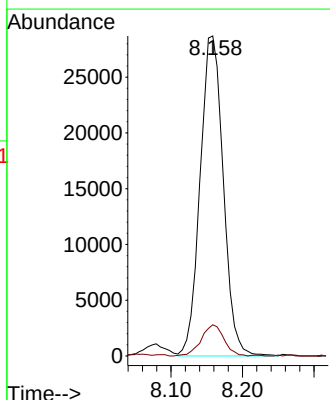
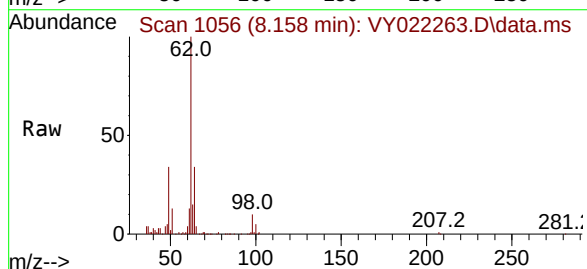
Manual Integrations
APPROVED

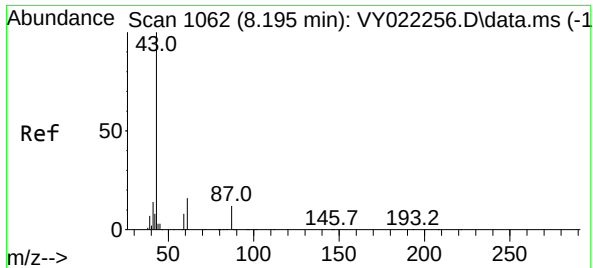
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#42
1,2-Dichloroethane
Concen: 20.377 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 62 Resp: 64565
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.869 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 43 Resp: 8655

Ion Ratio Lower Upper

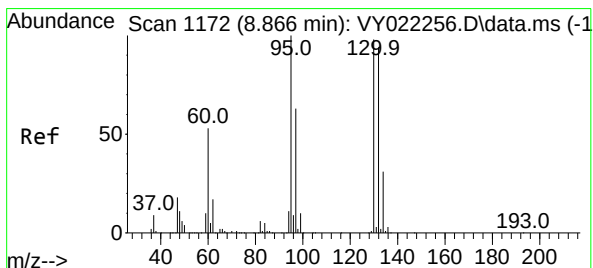
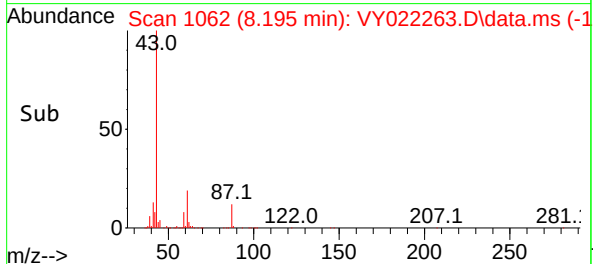
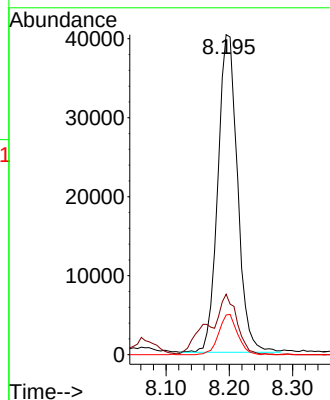
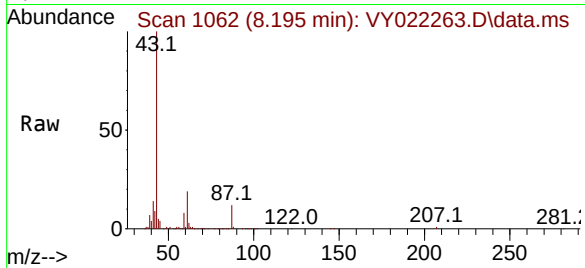
43 100

61 17.2 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: 19.807 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY022263.D

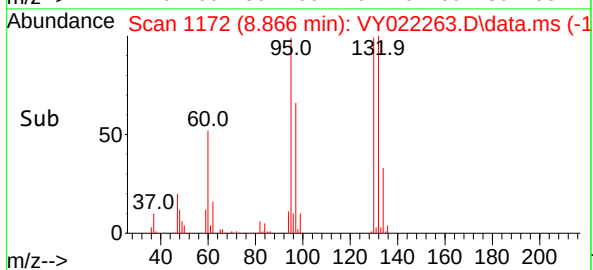
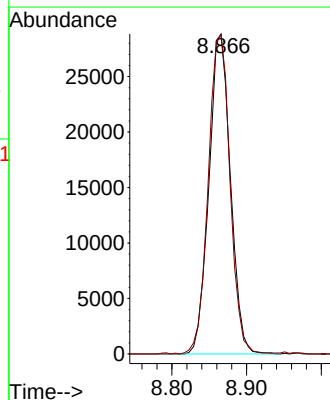
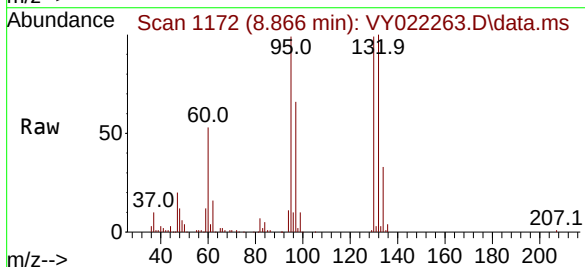
Acq: 15 May 2025 14:29

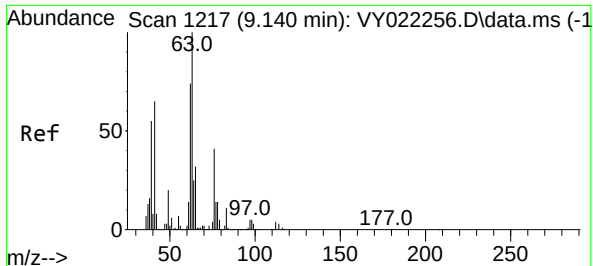
Tgt Ion:130 Resp: 57705

Ion Ratio Lower Upper

130 100

95 99.8 0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.911 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBSD01

Tgt Ion: 63 Resp: 56240

Ion Ratio Lower Upper

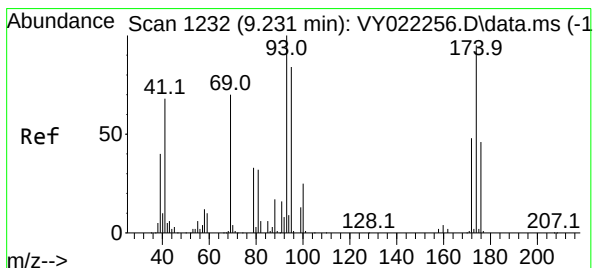
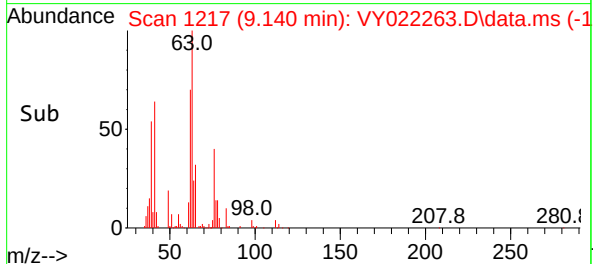
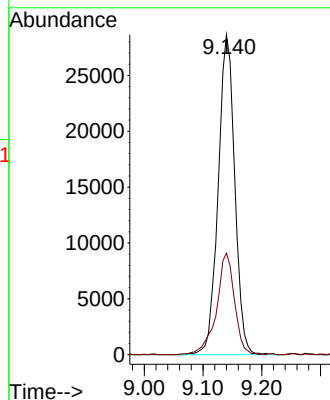
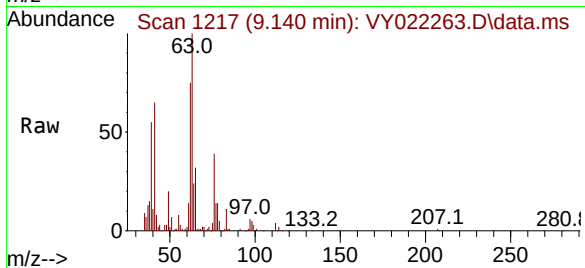
63 100

65 31.7 25.7 38.5

Manual Integrations

APPROVED

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



#46

Dibromomethane

Concen: 20.354 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

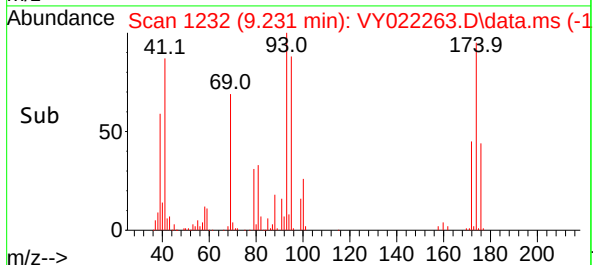
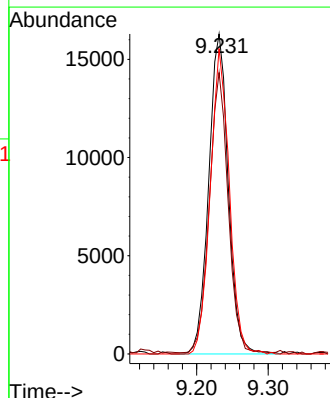
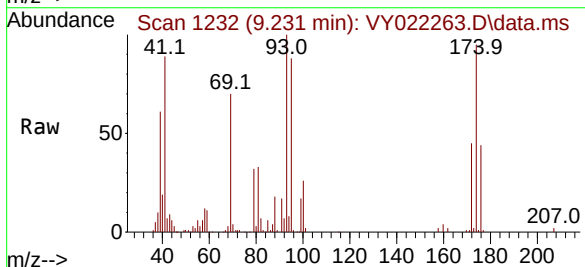
Tgt Ion: 93 Resp: 31011

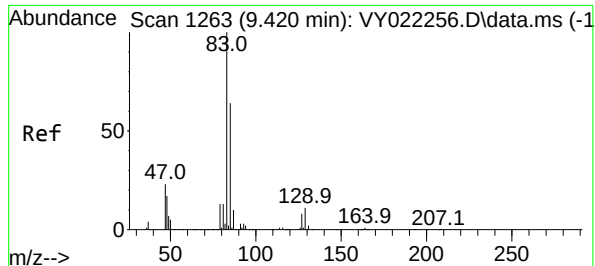
Ion Ratio Lower Upper

93 100

95 83.6 65.2 97.8

174 92.6 74.3 111.5





#47

Bromodichloromethane

Concen: 20.295 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

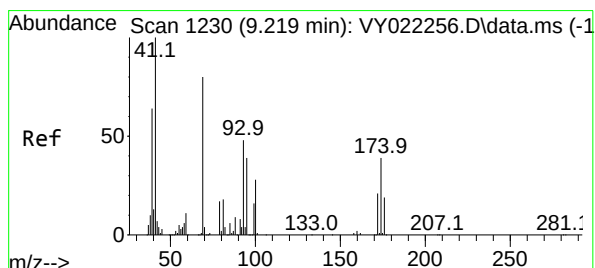
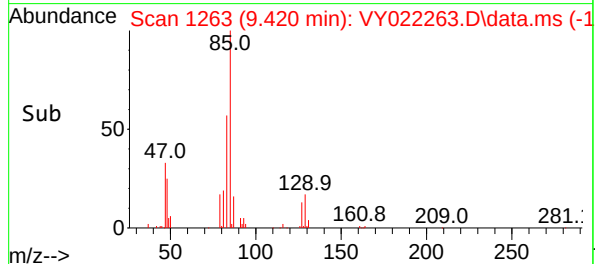
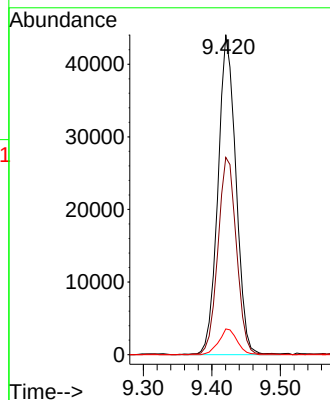
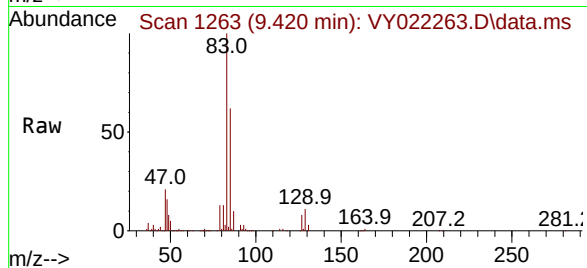
VY0515SBSD01

Tgt Ion:	83	Resp:	8021
Ion Ratio	Lower	Upper	
83	100		
85	61.5	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: 20.576 ug/l

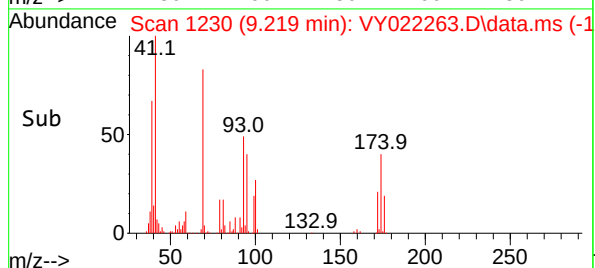
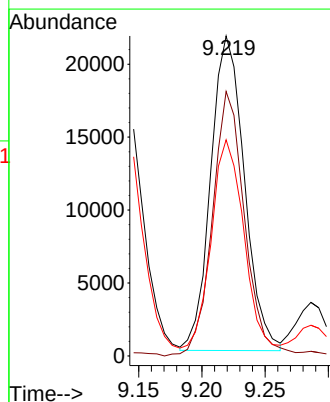
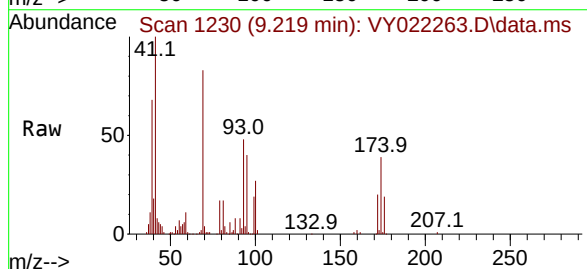
RT: 9.219 min Scan# 1230

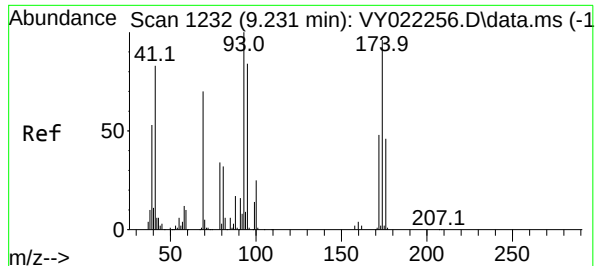
Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion:	41	Resp:	39908
Ion Ratio	Lower	Upper	
41	100		
69	81.3	63.5	95.3
39	63.6	50.8	76.2





#49

1,4-Dioxane

Concen: 444.632 ug/l

RT: 9.237 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 88 Resp: 765

Ion Ratio Lower Upper

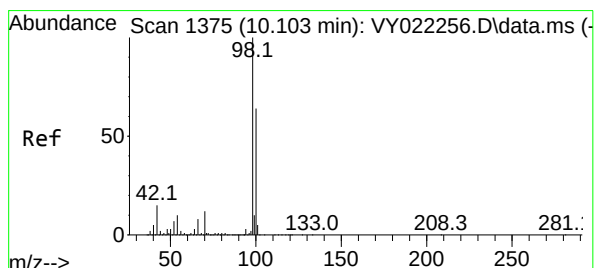
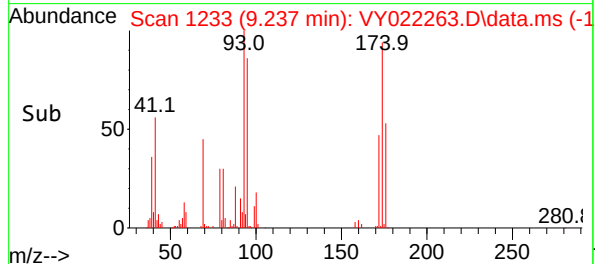
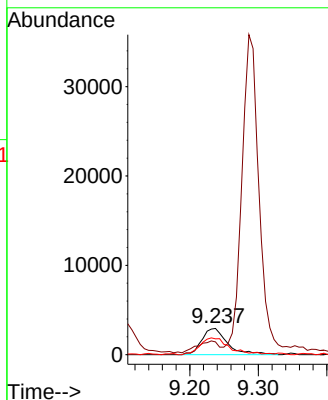
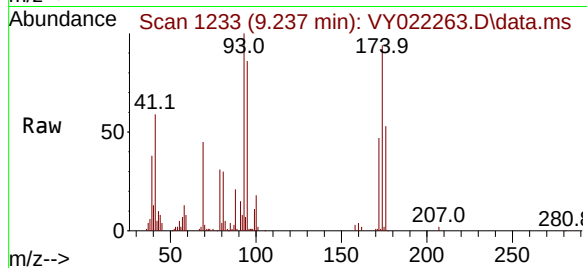
88 100

43 36.2 28.5 42.7

58 72.7 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: 51.242 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022263.D

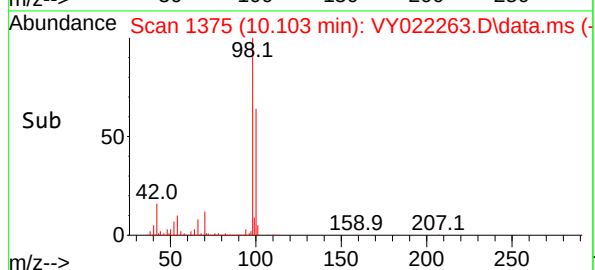
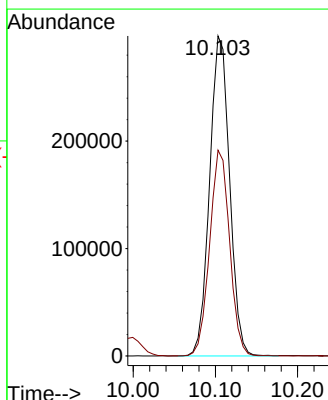
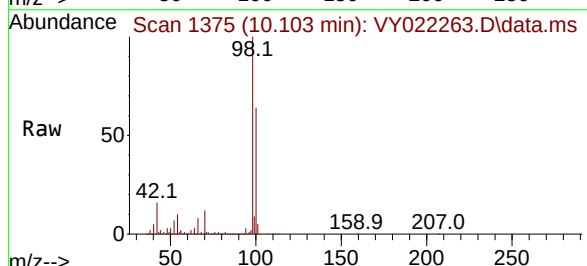
Acq: 15 May 2025 14:29

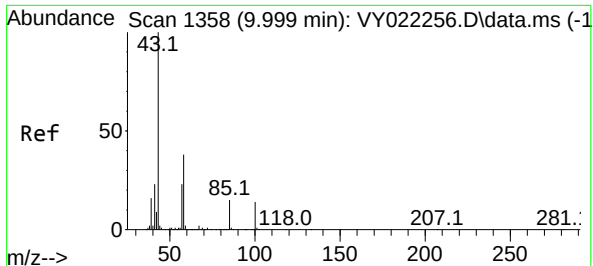
Tgt Ion: 98 Resp: 503583

Ion Ratio Lower Upper

98 100

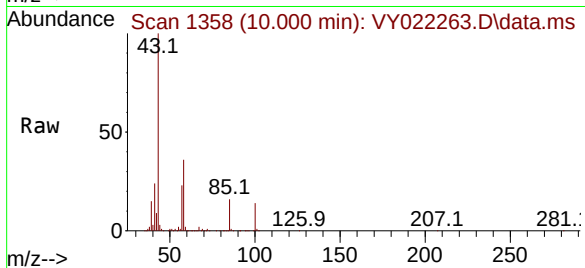
100 64.3 51.8 77.8





#51
4-Methyl-2-Pentanone
Concen: 105.023 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

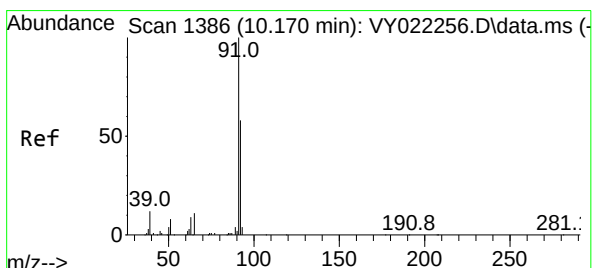
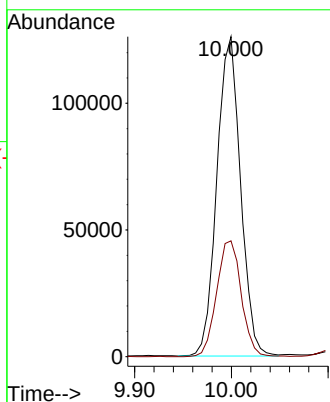
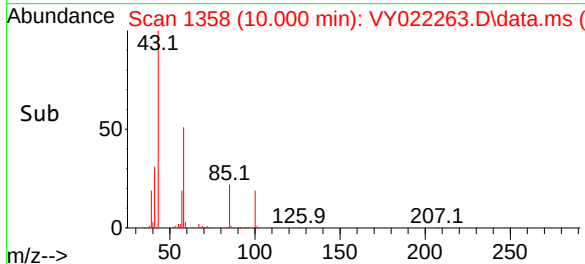
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 43 Resp: 213720
Ion Ratio Lower Upper
43 100
58 37.8 29.4 44.2

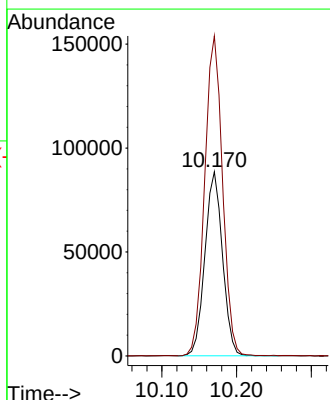
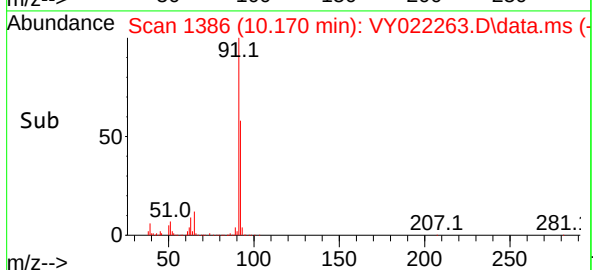
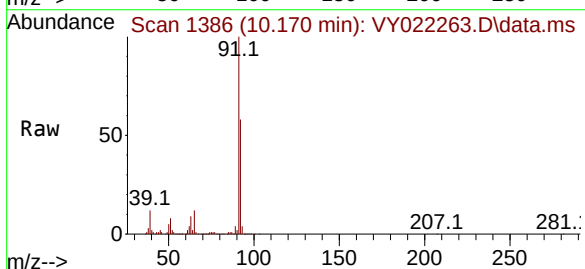
Manual Integrations
APPROVED

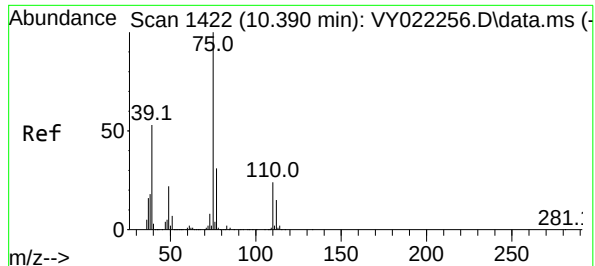
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

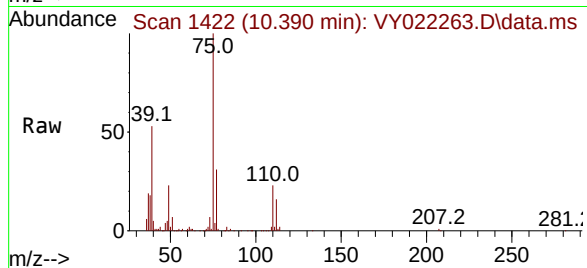
Tgt Ion: 92 Resp: 144686
Ion Ratio Lower Upper
92 100
91 175.8 139.1 208.7





#53
 t-1,3-Dichloropropene
 Concen: 19.949 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY022263.D
 Acq: 15 May 2025 14:29

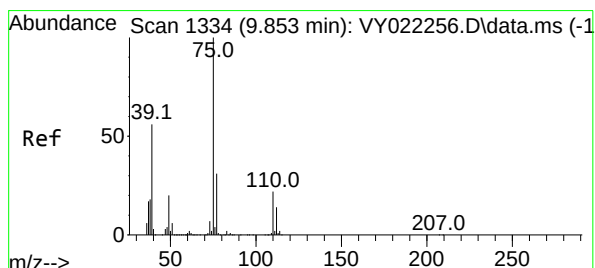
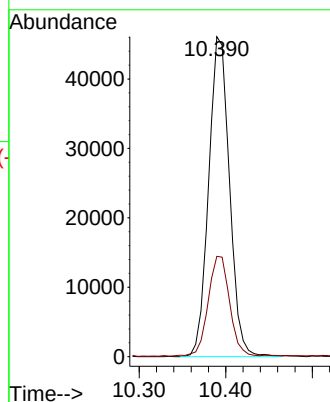
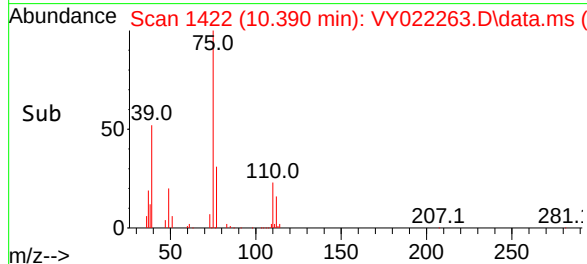
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01



Tgt Ion: 75 Resp: 76950
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6

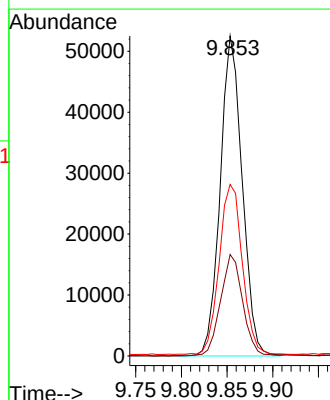
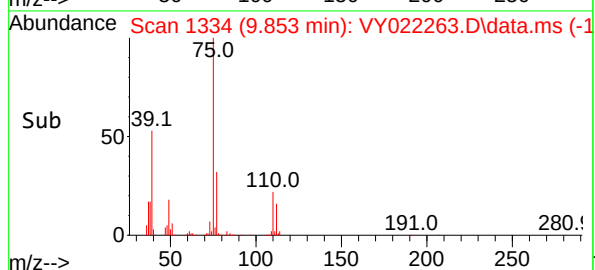
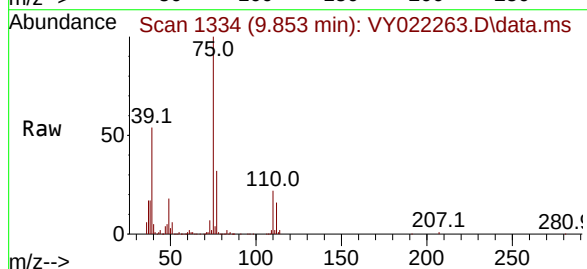
Manual Integrations
 APPROVED

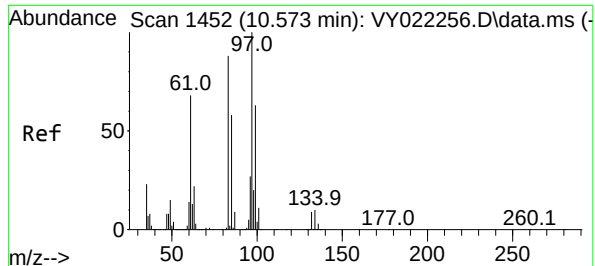
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025



#54
 cis-1,3-Dichloropropene
 Concen: 19.924 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY022263.D
 Acq: 15 May 2025 14:29

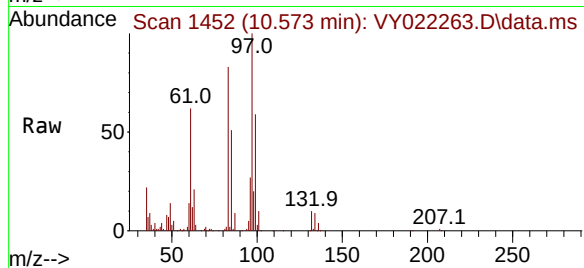
Tgt Ion: 75 Resp: 88052
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7
 39 53.1 44.5 66.7





#55
1,1,2-Trichloroethane
Concen: 20.615 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

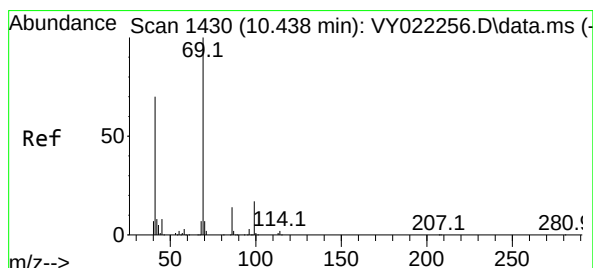
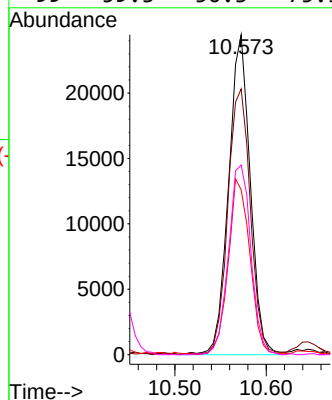
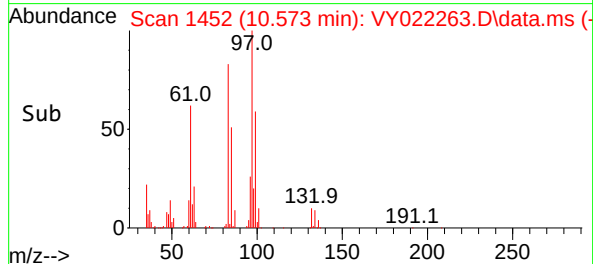
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01



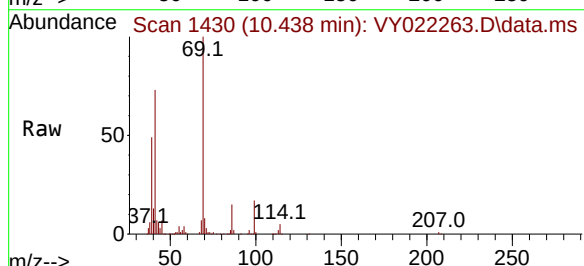
Tgt Ion: 97 Resp: 40220
Ion Ratio Lower Upper
97 100
83 83.1 70.3 105.5
85 51.1 46.2 69.4
99 59.3 50.3 75.5

Manual Integrations
APPROVED

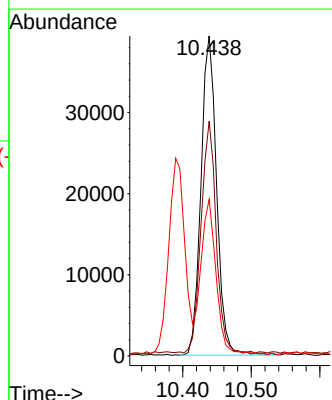
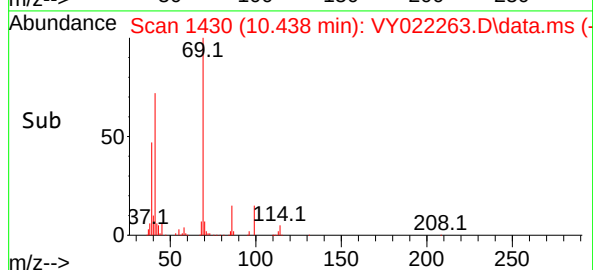
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

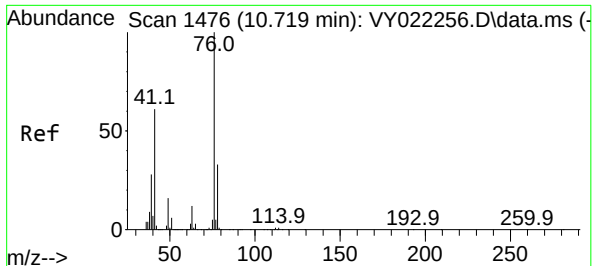


#56
Ethyl methacrylate
Concen: 20.583 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



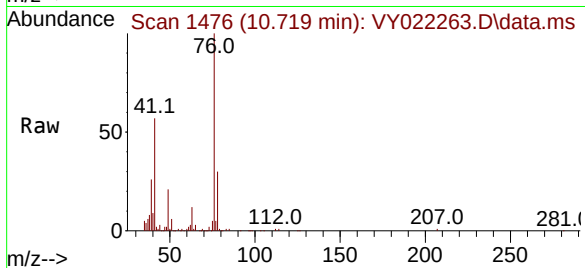
Tgt Ion: 69 Resp: 62553
Ion Ratio Lower Upper
69 100
41 69.8 56.5 84.7
39 47.6 37.1 55.7





#57
1,3-Dichloropropane
Concen: 20.625 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

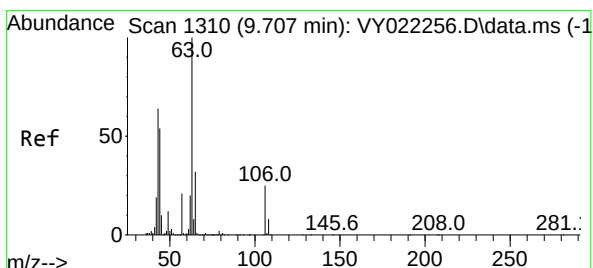
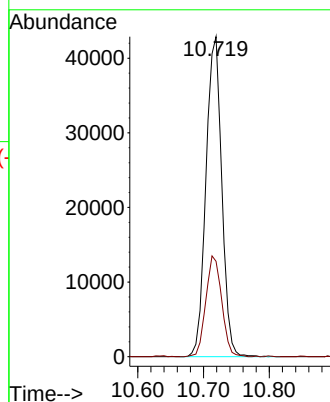
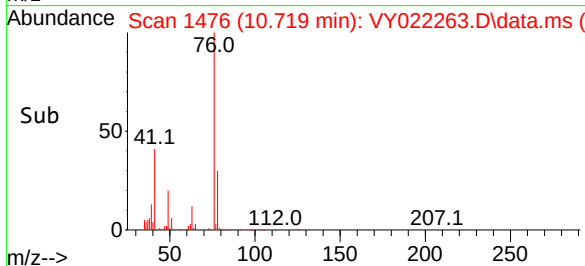
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01



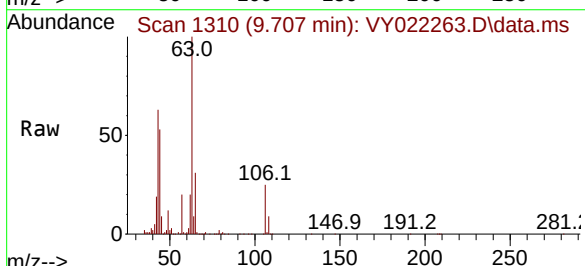
Tgt Ion: 76 Resp: 71490
Ion Ratio Lower Upper
76 100
78 31.7 25.8 38.8

Manual Integrations
APPROVED

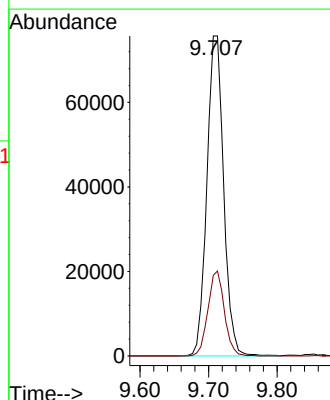
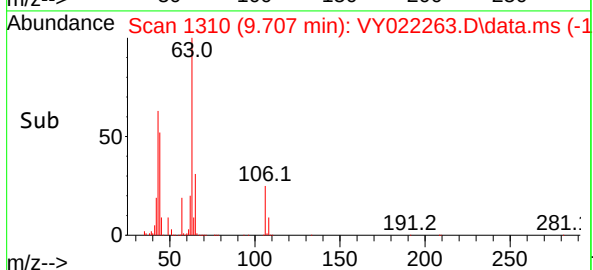
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

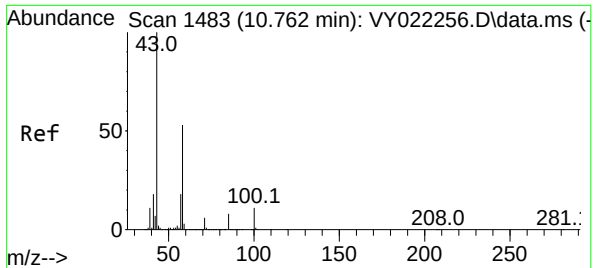


#58
2-Chloroethyl Vinyl ether
Concen: 94.593 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



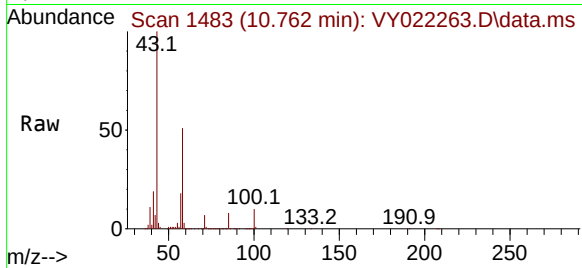
Tgt Ion: 63 Resp: 129032
Ion Ratio Lower Upper
63 100
106 25.9 21.0 31.4





#59
2-Hexanone
Concen: 104.509 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

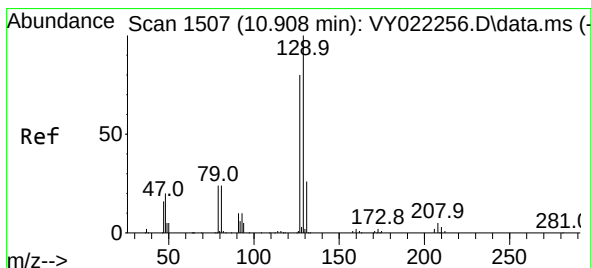
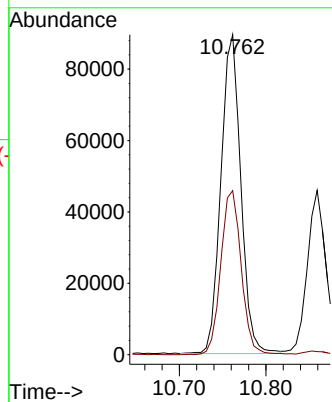
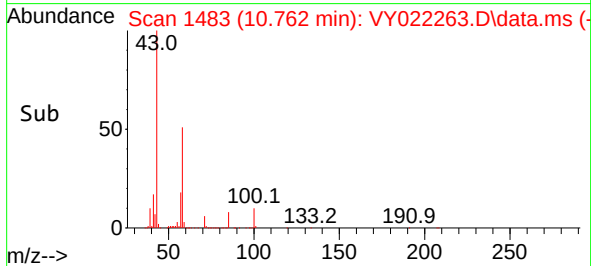
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 43 Resp: 142594
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.3

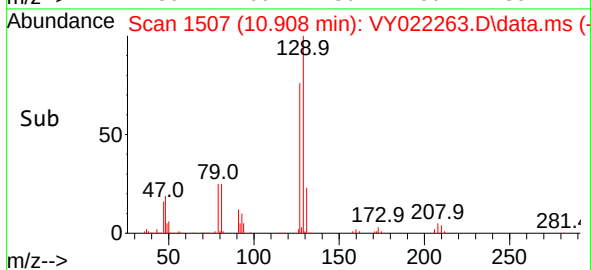
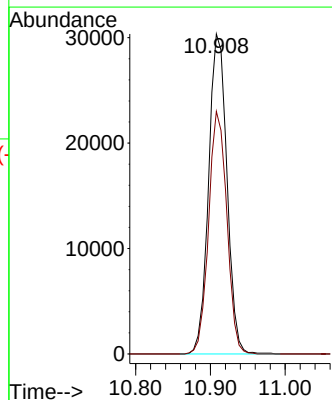
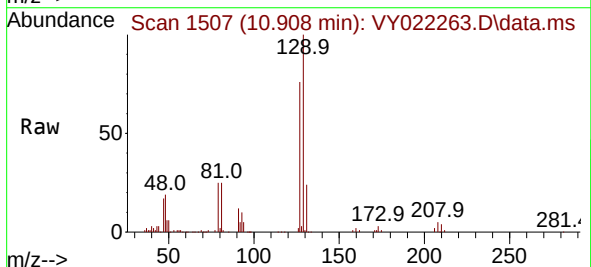
Manual Integrations
APPROVED

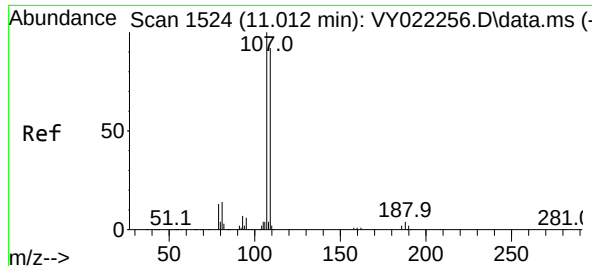
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

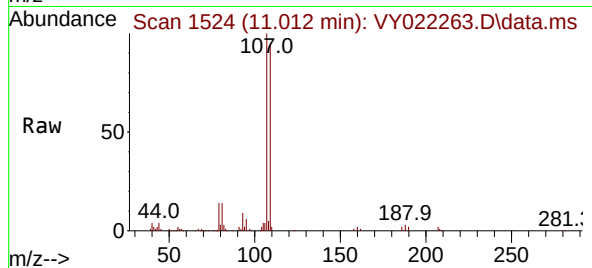
Tgt Ion:129 Resp: 51719
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.509 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

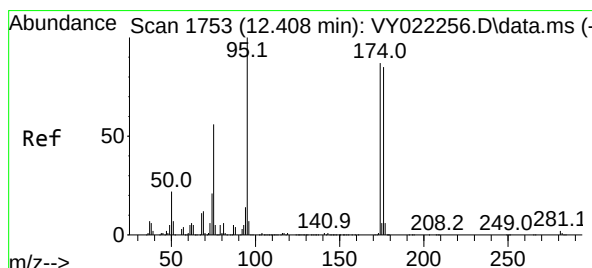
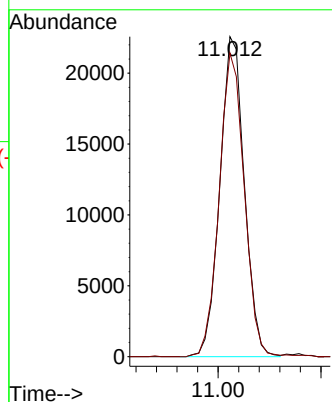
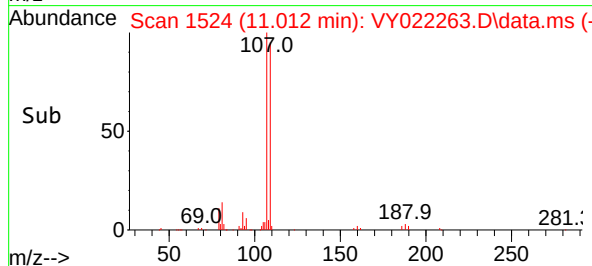
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion:107 Resp: 37293
Ion Ratio Lower Upper
107 100
109 97.3 74.6 111.8

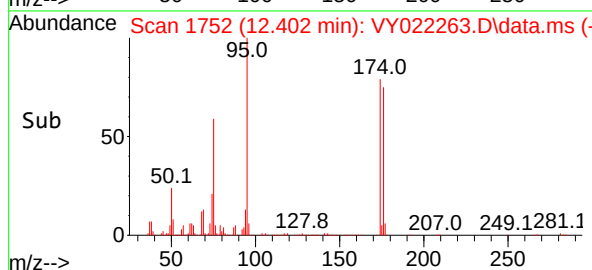
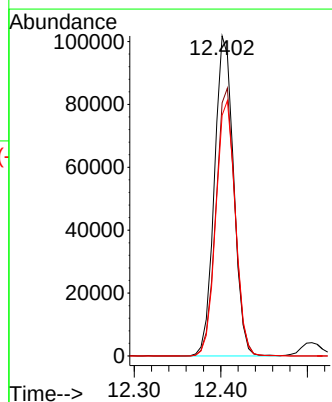
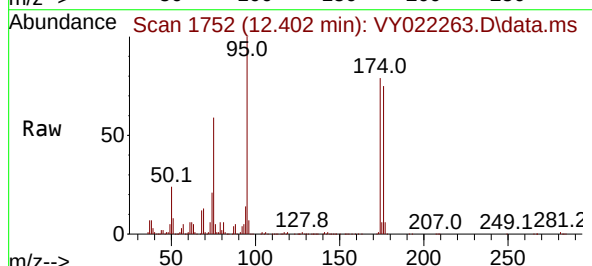
Manual Integrations
APPROVED

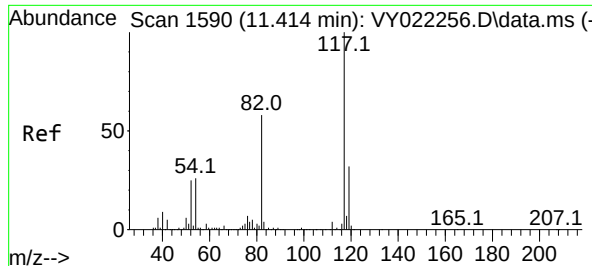
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#62
4-Bromofluorobenzene
Concen: 50.364 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

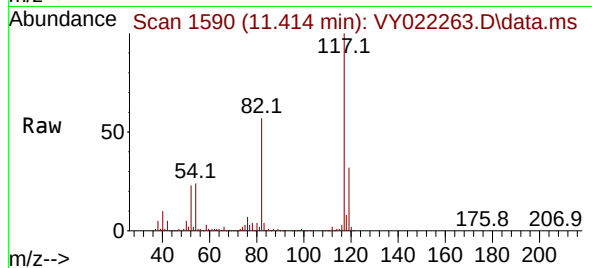
Tgt Ion: 95 Resp: 156883
Ion Ratio Lower Upper
95 100
174 83.0 0.0 166.8
176 80.8 0.0 160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11590
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

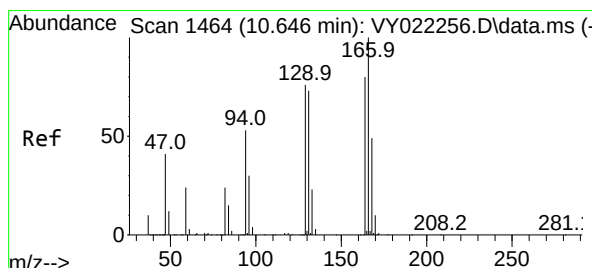
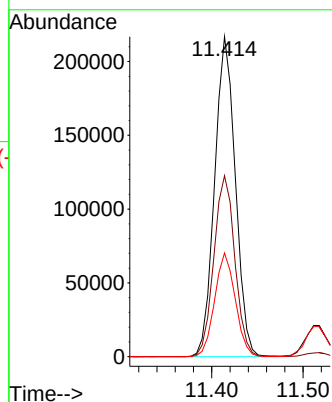
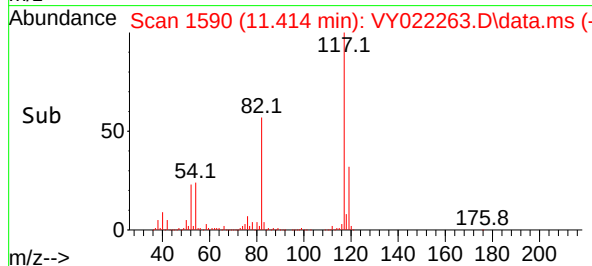
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



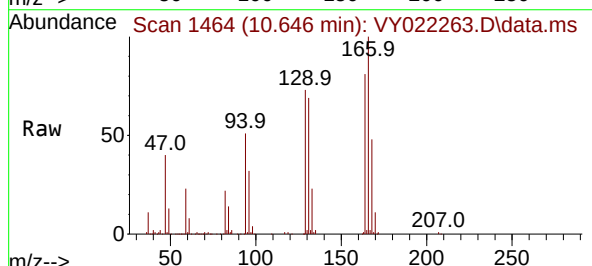
Tgt Ion:117 Resp: 34198
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 32.4 25.8 38.6

Manual Integrations
APPROVED

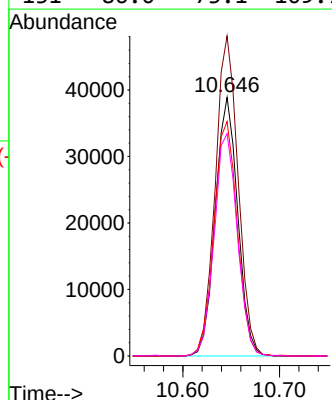
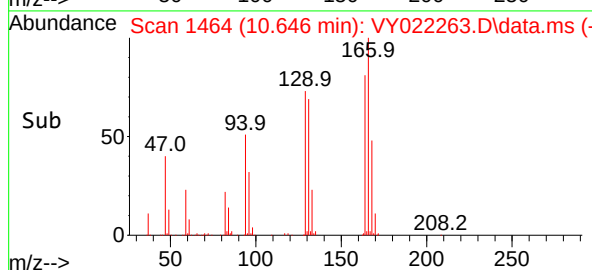
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

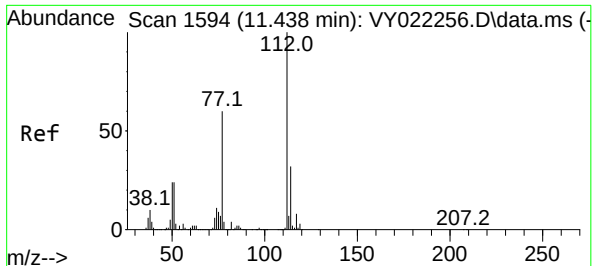


#64
Tetrachloroethene
Concen: 19.866 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



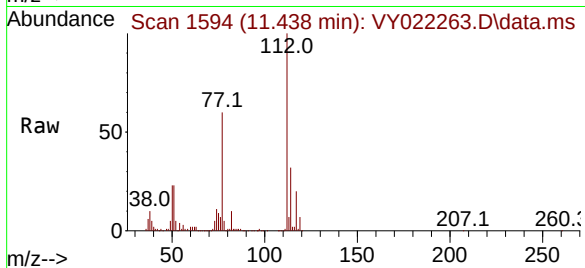
Tgt Ion:164 Resp: 62797
Ion Ratio Lower Upper
164 100
166 123.8 100.4 150.6
129 90.7 76.4 114.6
131 86.0 73.1 109.7





#65
Chlorobenzene
Concen: 19.950 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

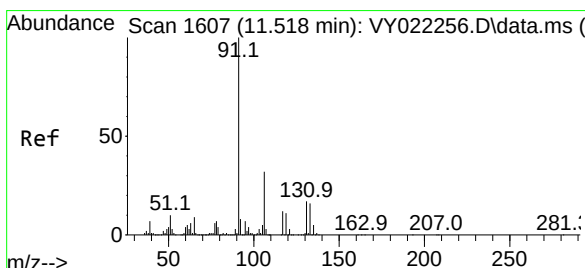
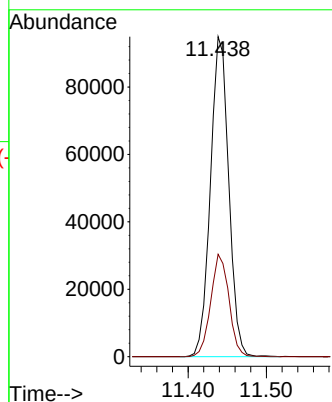
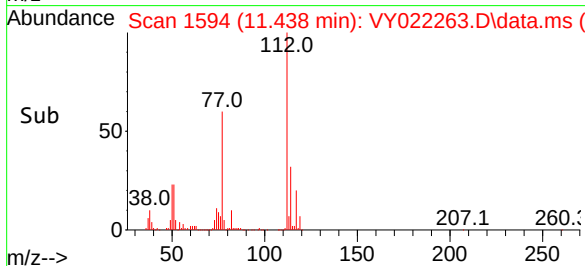
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



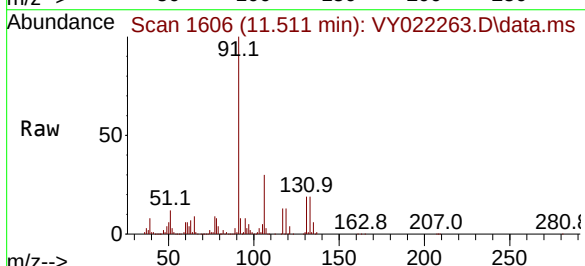
Tgt Ion:112 Resp: 153929
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

Manual Integrations
APPROVED

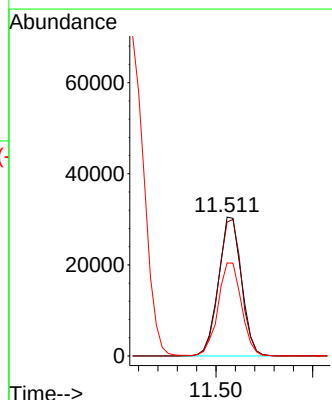
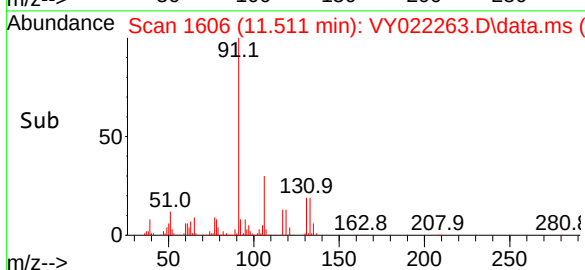
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

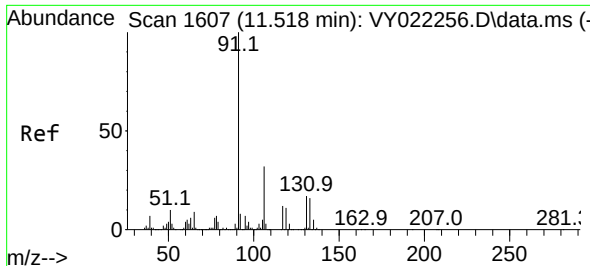


#66
1,1,1,2-Tetrachloroethane
Concen: 18.944 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



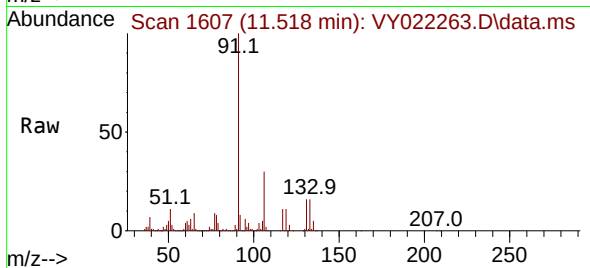
Tgt Ion:131 Resp: 50248
Ion Ratio Lower Upper
131 100
133 98.4 47.3 141.9
119 68.3 33.1 99.2





#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

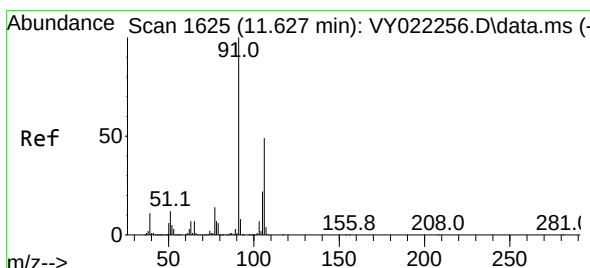
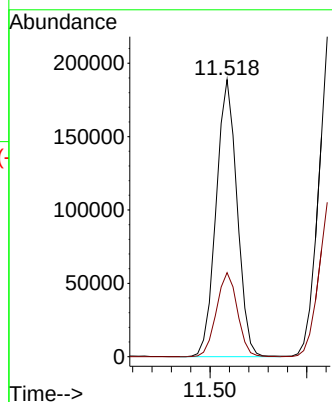
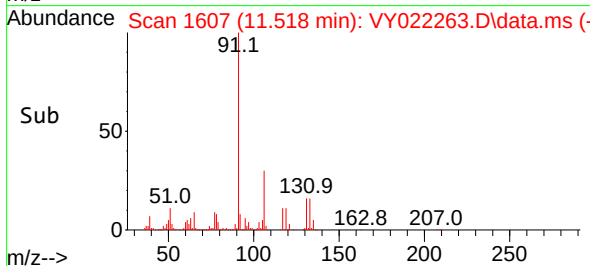
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01



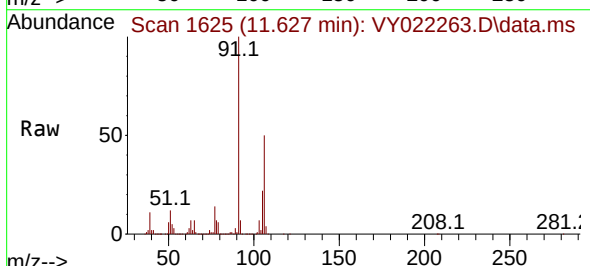
Tgt Ion: 91 Resp: 28349
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0

Manual Integrations
APPROVED

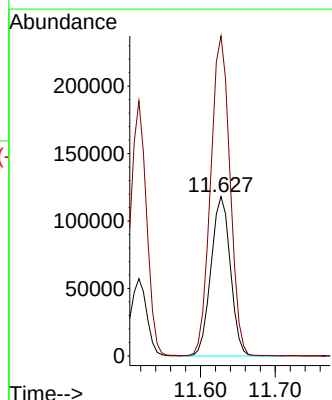
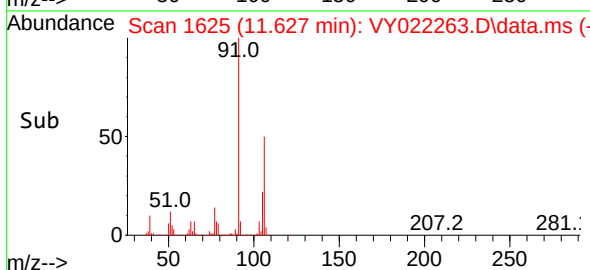
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

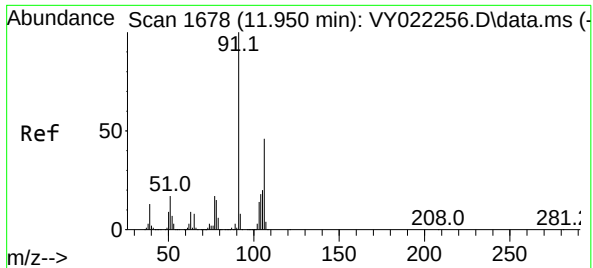


#68
m/p-Xylenes
Concen: 39.085 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



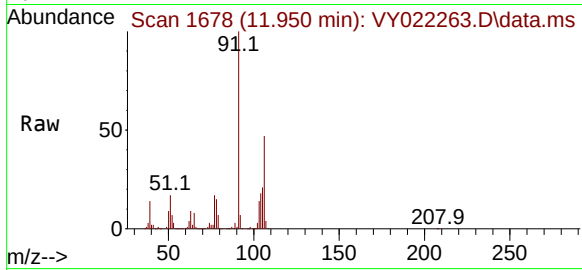
Tgt Ion:106 Resp: 212811
Ion Ratio Lower Upper
106 100
91 201.1 163.0 244.4





#69
o-Xylene
Concen: 19.677 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

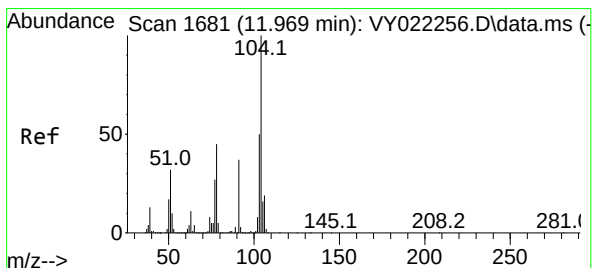
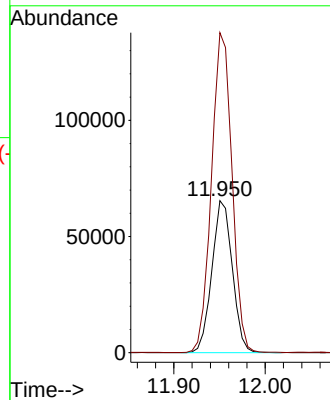
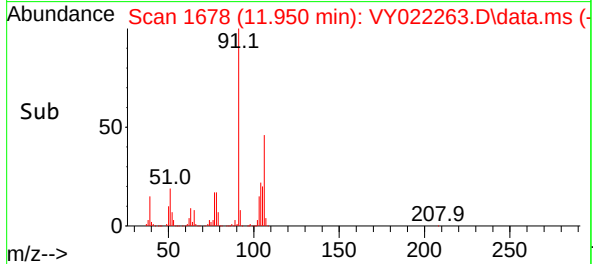
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



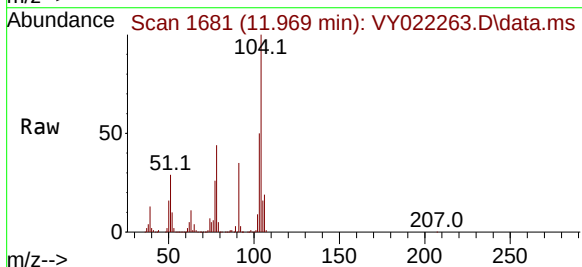
Tgt Ion:106 Resp: 10136
Ion Ratio Lower Upper
106 100
91 211.6 108.3 324.8

Manual Integrations
APPROVED

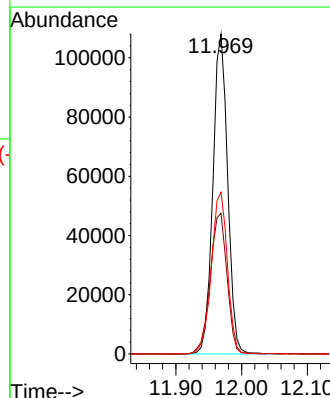
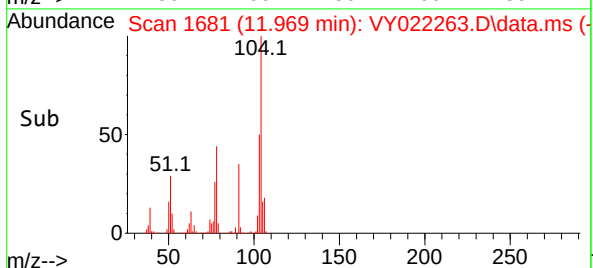
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

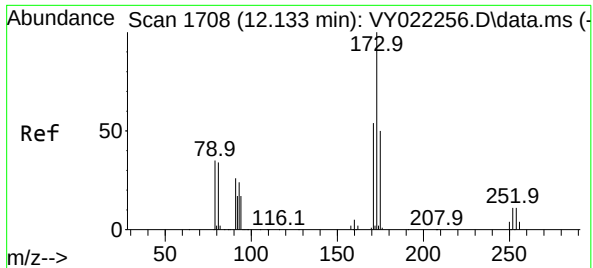


#70
Styrene
Concen: 19.418 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



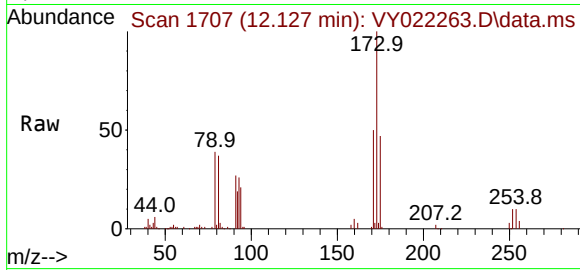
Tgt Ion:104 Resp: 168741
Ion Ratio Lower Upper
104 100
78 50.1 40.9 61.3
103 55.1 43.7 65.5





#71
Bromoform
Concen: 20.613 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

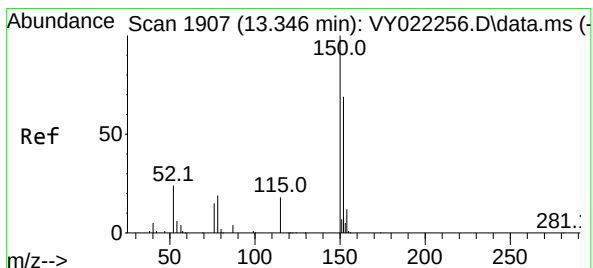
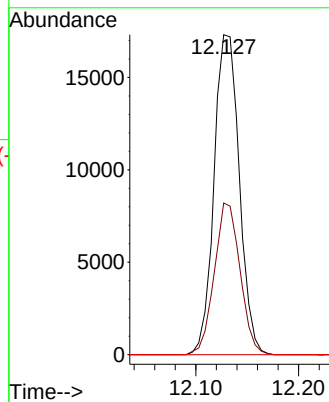
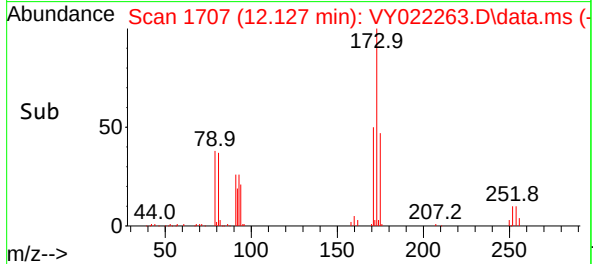
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



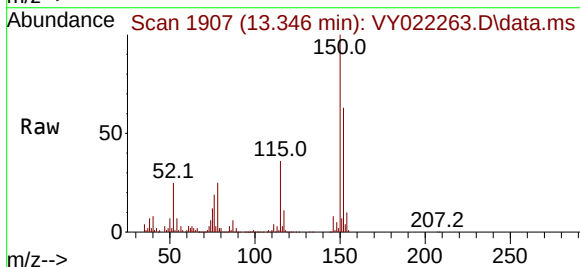
Tgt Ion:173 Resp: 29512
Ion Ratio Lower Upper
173 100
175 48.3 24.7 74.1
254 0.0 0.0 0.0

Manual Integrations
APPROVED

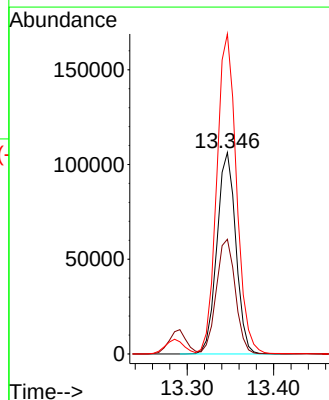
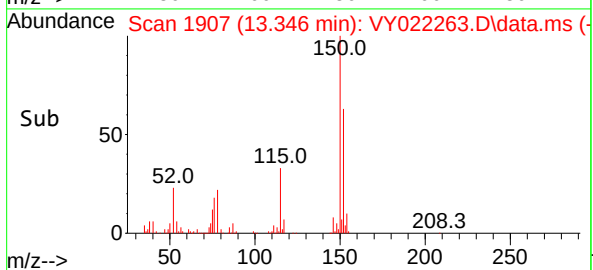
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

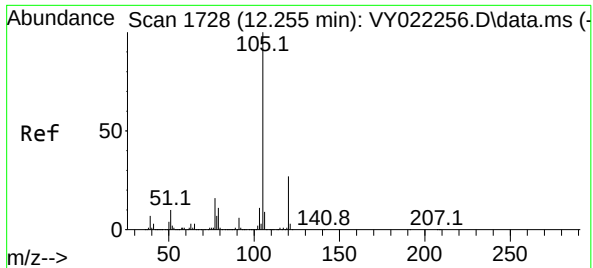


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



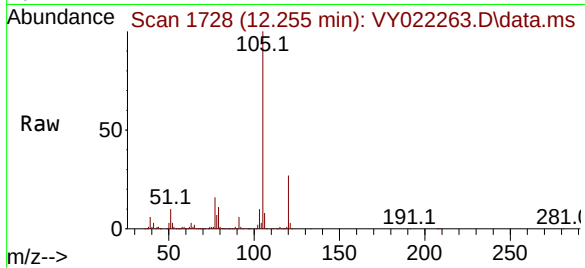
Tgt Ion:152 Resp: 161126
Ion Ratio Lower Upper
152 100
115 57.3 29.4 88.2
150 166.0 0.0 353.8





#73
Isopropylbenzene
Concen: 19.627 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

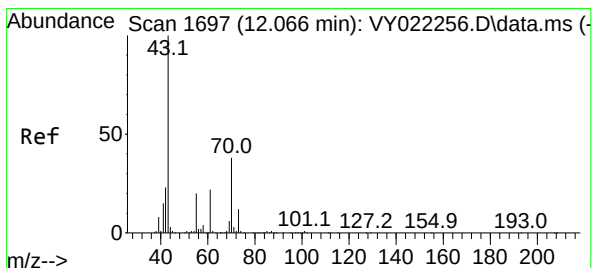
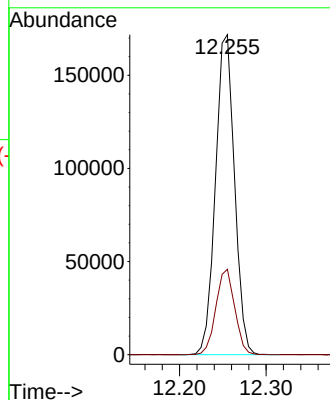
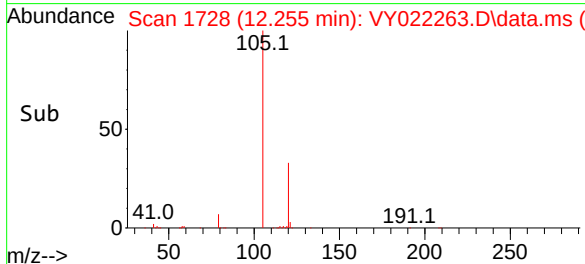
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



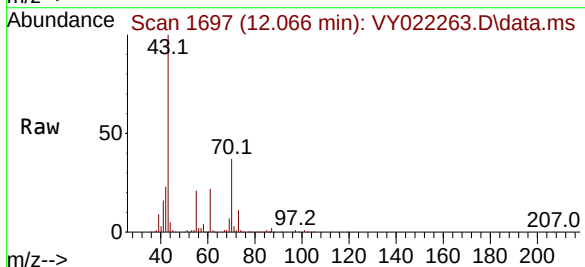
Tgt Ion:105 Resp: 26198
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

Manual Integrations
APPROVED

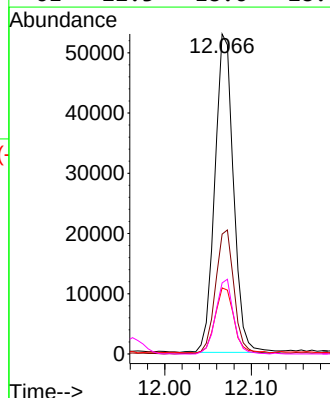
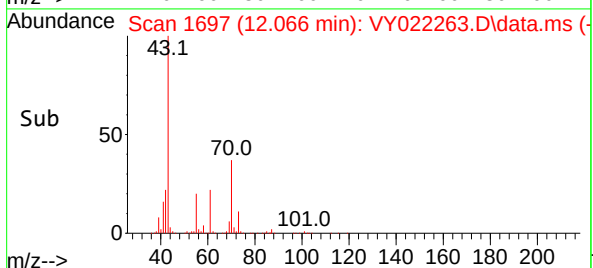
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

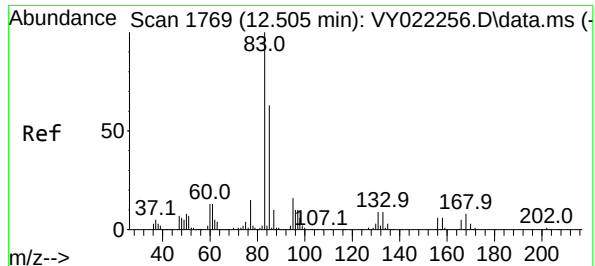


#74
N-ethyl acetate
Concen: 20.747 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



Tgt Ion: 43 Resp: 79208
Ion Ratio Lower Upper
43 100
70 38.8 31.4 47.0
55 20.3 17.0 25.6
61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.307 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

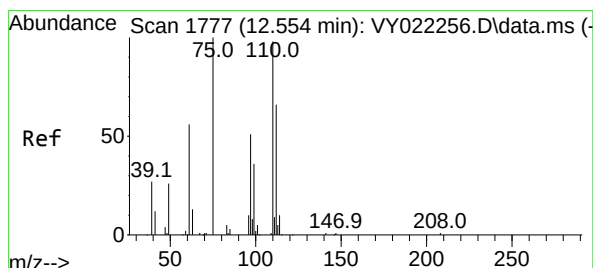
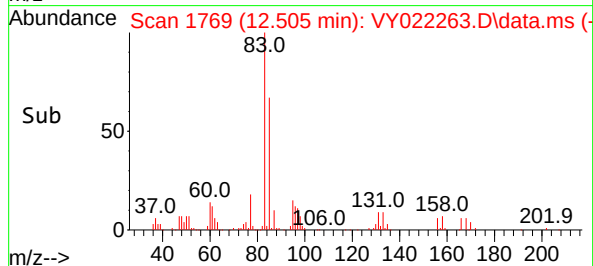
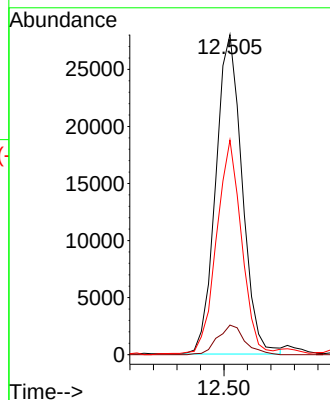
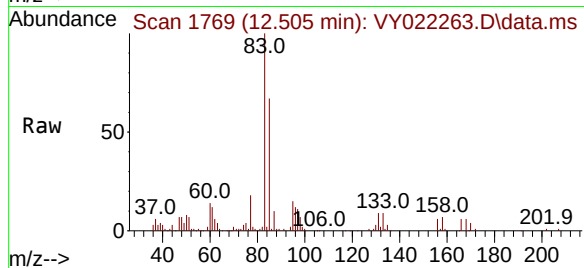
VY0515SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.3	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: 20.802 ug/l m

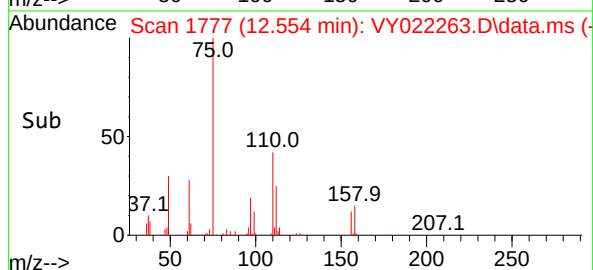
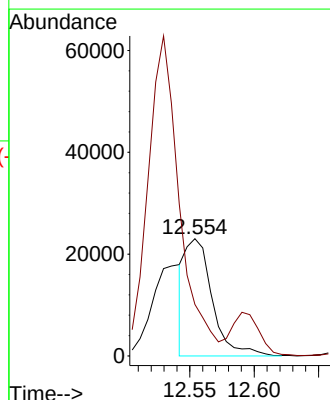
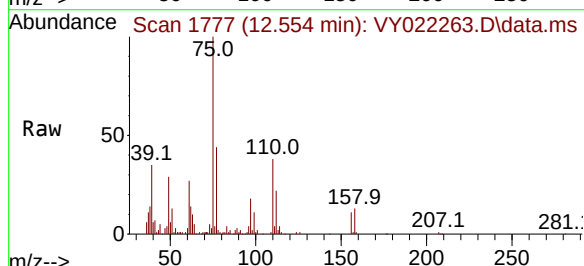
RT: 12.554 min Scan# 1777

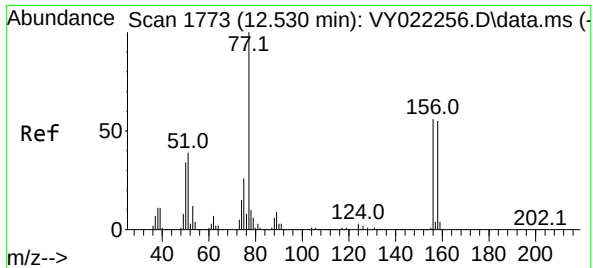
Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





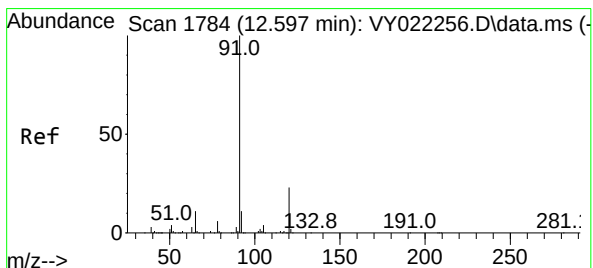
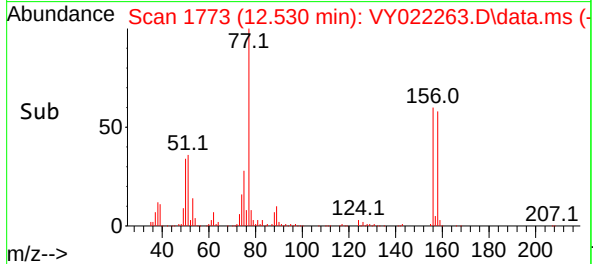
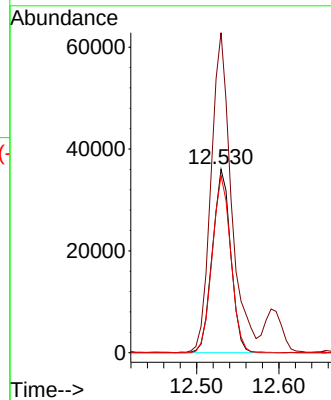
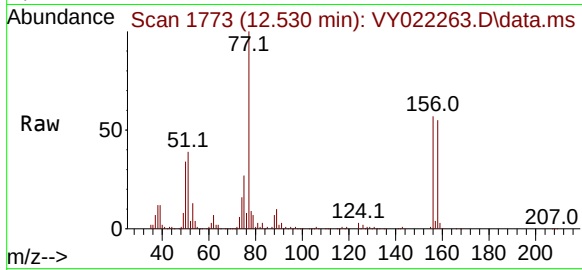
#77
Bromobenzene
Concen: 19.572 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 156 Resp: 55800
Ion Ratio Lower Upper
156 100
77 192.9 94.5 283.6
158 97.6 48.4 145.3

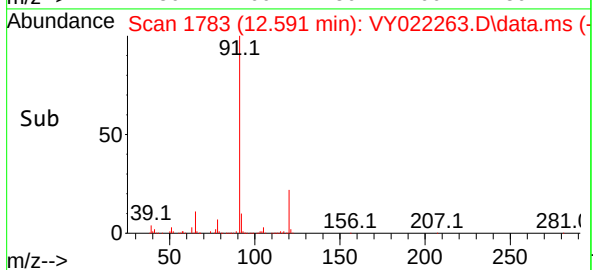
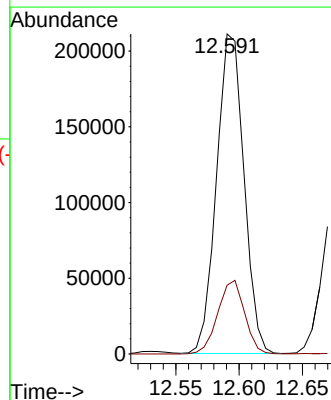
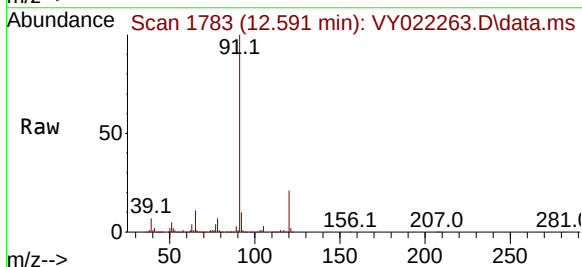
Manual Integrations
APPROVED

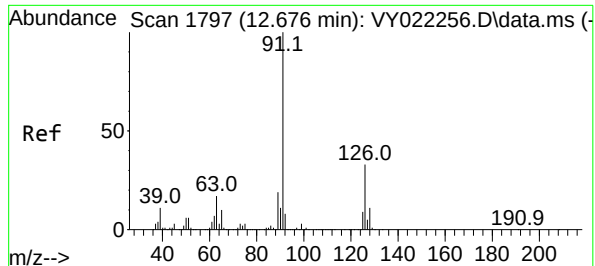
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#78
n-propylbenzene
Concen: 19.730 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 317668
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.530 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion: 91 Resp: 17280

Ion Ratio Lower Upper

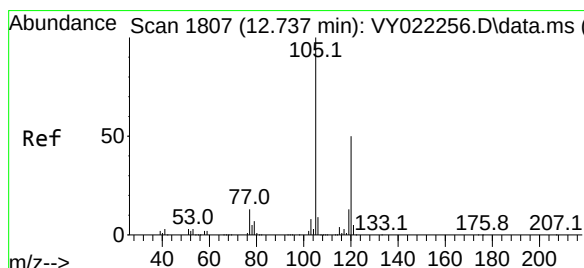
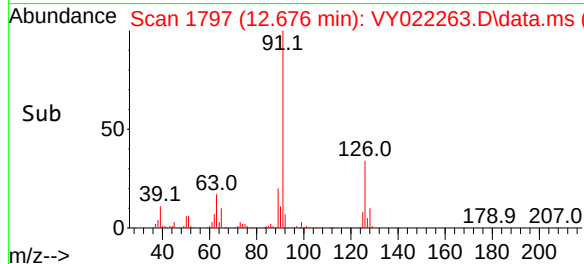
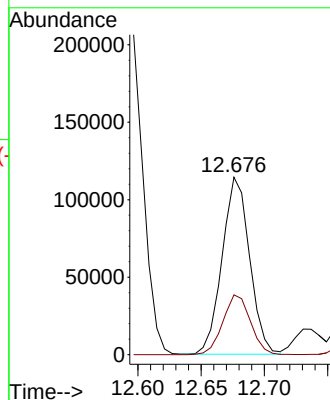
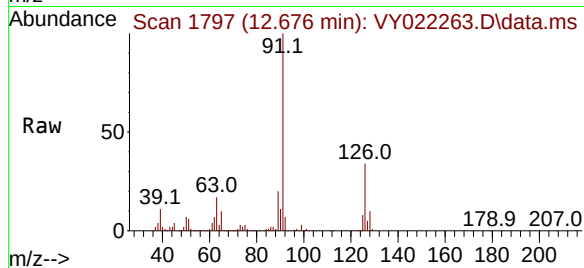
91 100

126 33.9 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: 19.309 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022263.D

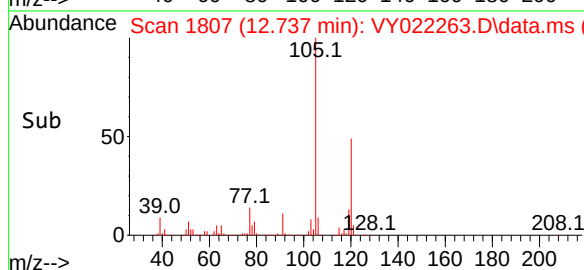
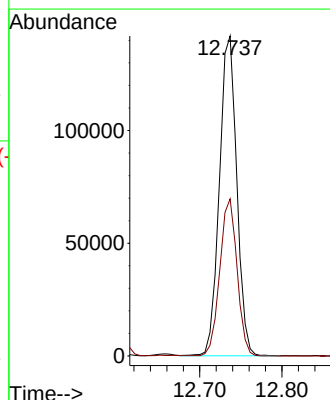
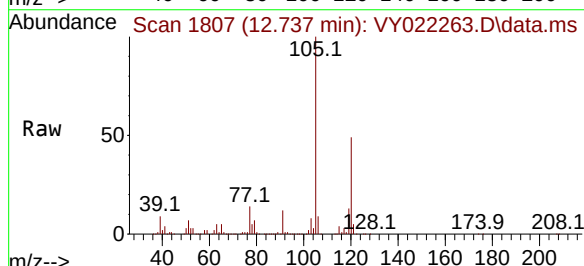
Acq: 15 May 2025 14:29

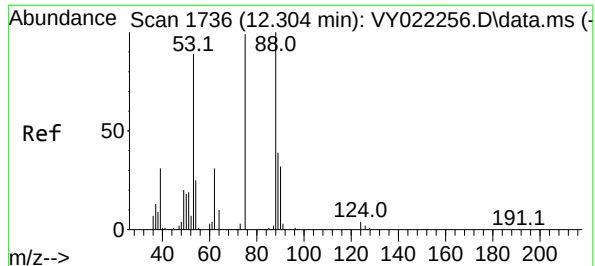
Tgt Ion:105 Resp: 208067

Ion Ratio Lower Upper

105 100

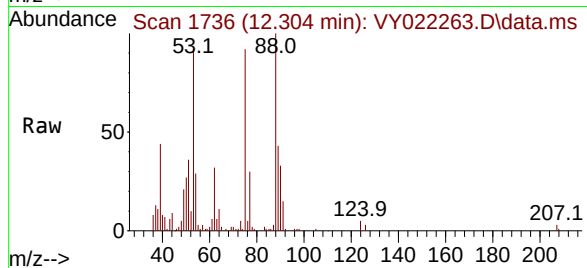
120 48.8 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.907 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

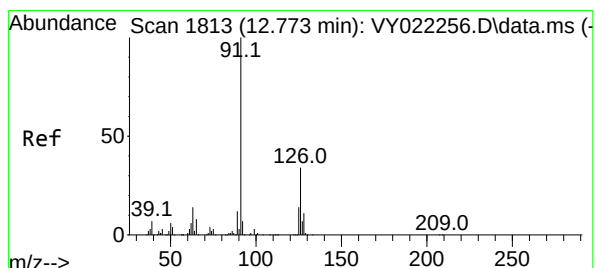
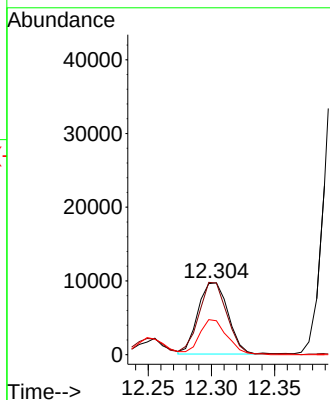
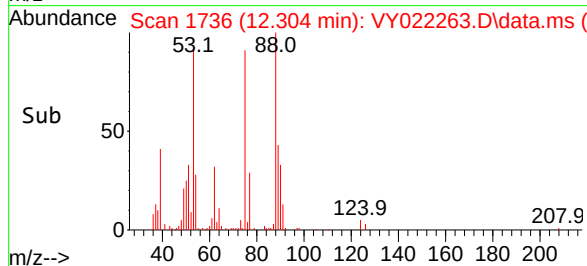
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01



Tgt Ion: 75 Resp: 1604
Ion Ratio Lower Upper
75 100
53 93.0 75.8 113.8
89 45.5 36.2 54.2

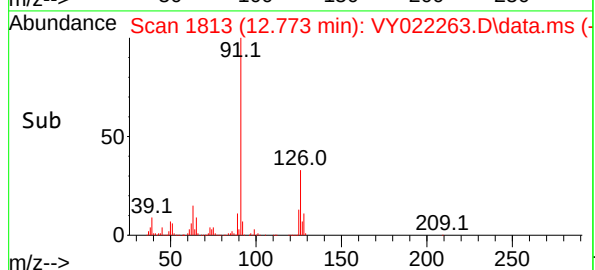
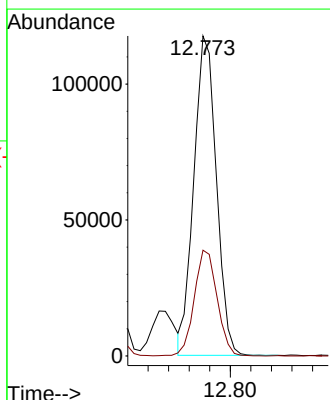
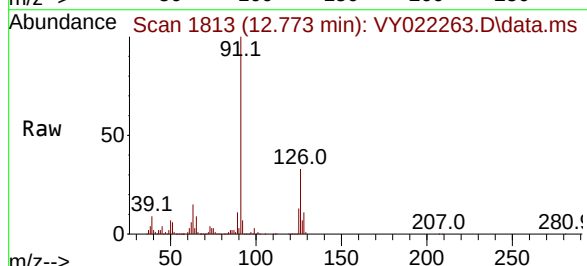
Manual Integrations
APPROVED

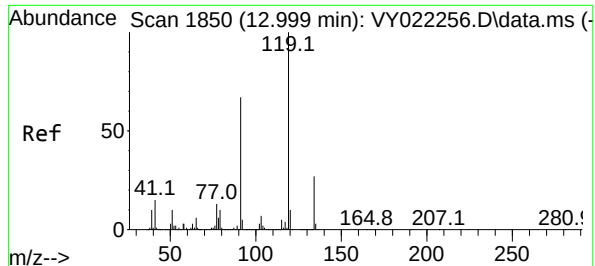
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#82
4-Chlorotoluene
Concen: 19.663 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 178952
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.4





#83

tert-Butylbenzene

Concen: 19.898 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY022263.D

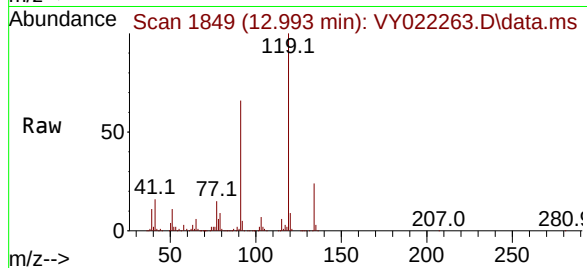
Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01



Tgt Ion:119 Resp: 19056

Ion Ratio Lower Upper

119 100

91 64.1 32.8 98.3

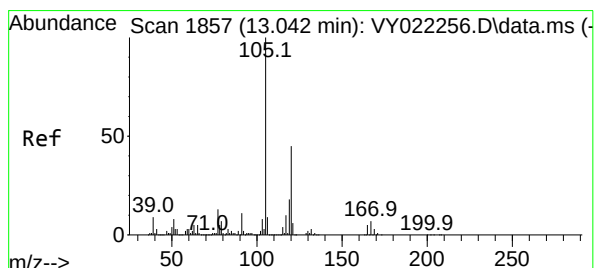
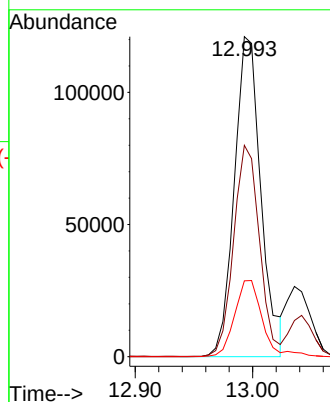
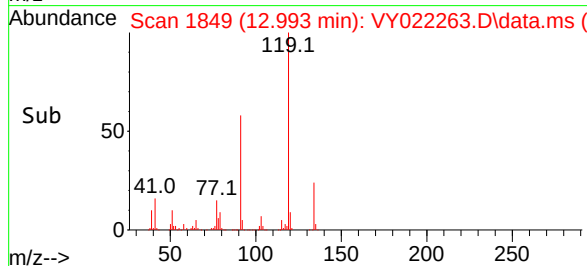
134 24.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.646 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022263.D

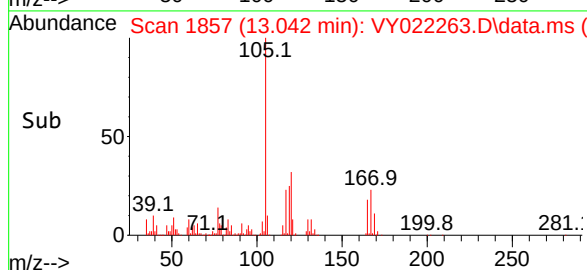
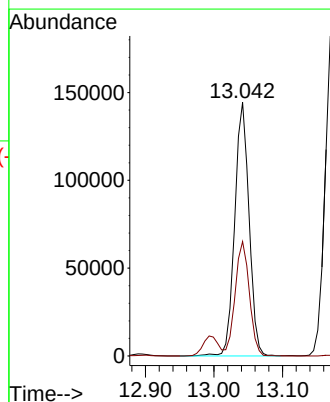
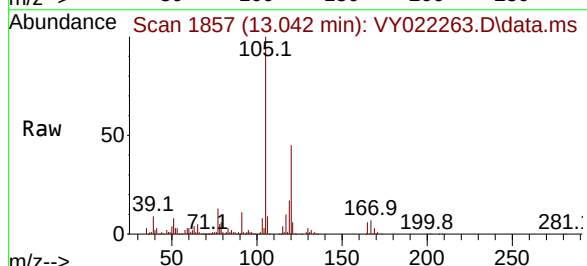
Acq: 15 May 2025 14:29

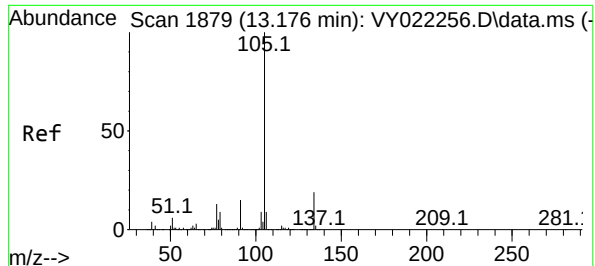
Tgt Ion:105 Resp: 210149

Ion Ratio Lower Upper

105 100

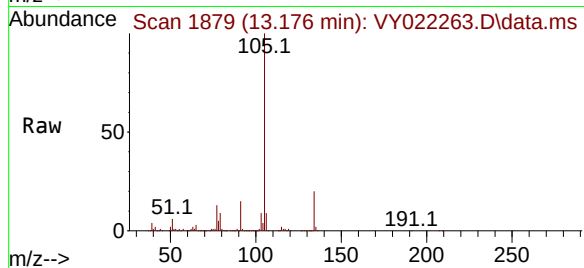
120 45.0 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 19.768 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022263.D
 Acq: 15 May 2025 14:29

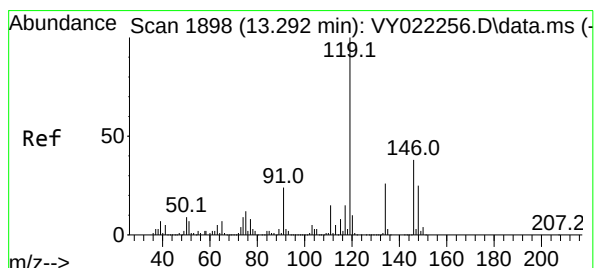
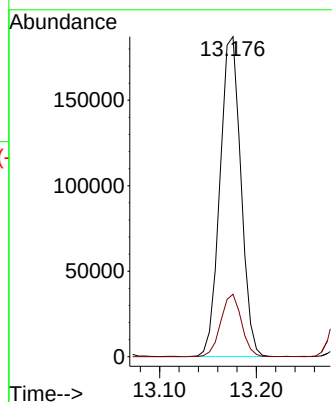
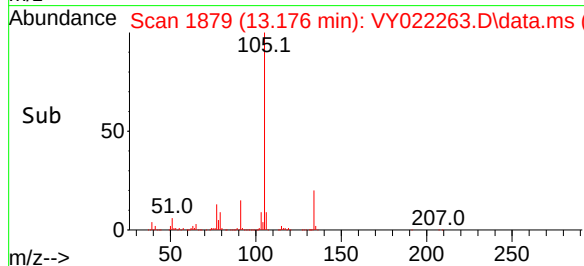
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01



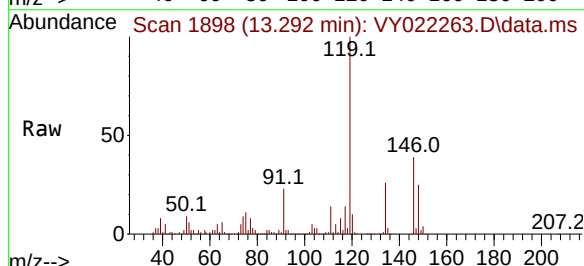
Tgt Ion:105 Resp: 281049
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5

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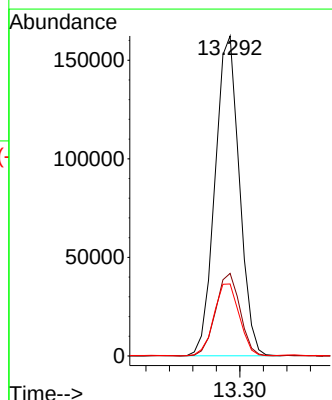
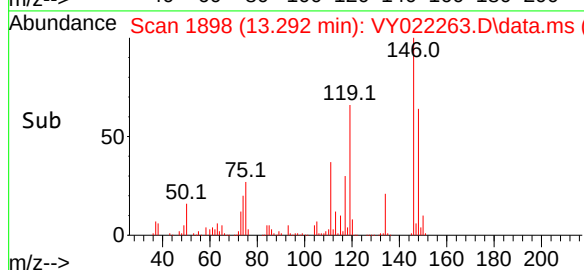
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

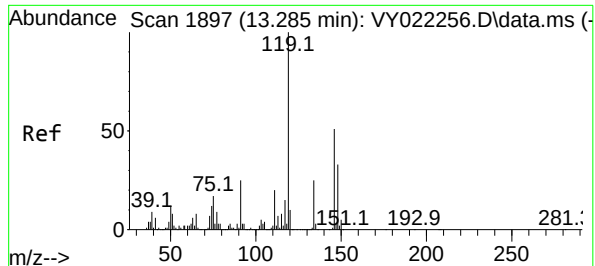


#86
 p-Isopropyltoluene
 Concen: 19.488 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022263.D
 Acq: 15 May 2025 14:29



Tgt Ion:119 Resp: 233015
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.6
 91 23.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.326 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion:146 Resp: 11248

Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.7

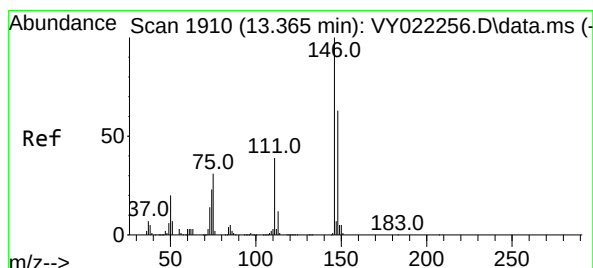
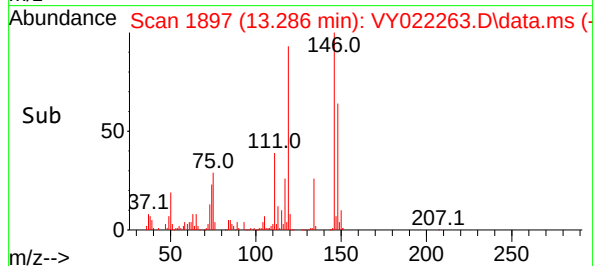
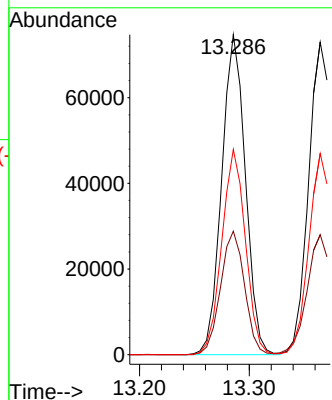
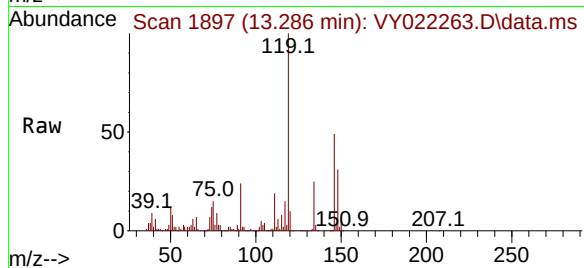
148 63.8 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025

Supervised By :Semsettin Yesilyurt 05/16/2025



#88

1,4-Dichlorobenzene

Concen: 19.976 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

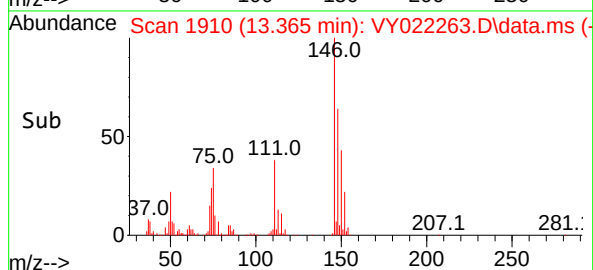
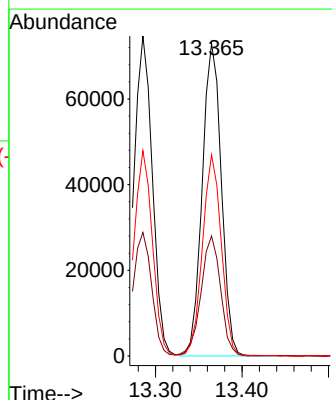
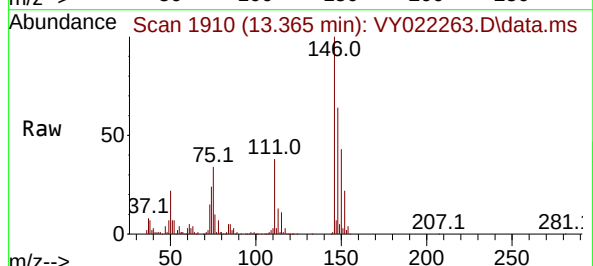
Tgt Ion:146 Resp: 111832

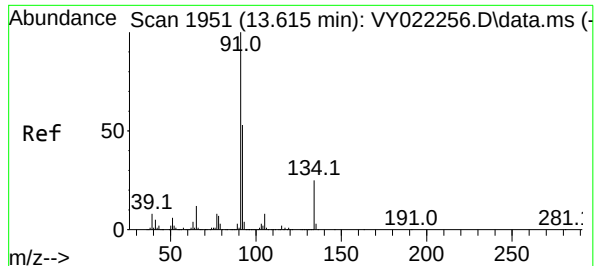
Ion Ratio Lower Upper

146 100

111 39.4 20.0 59.9

148 63.4 32.1 96.5





#89

n-Butylbenzene

Concen: 19.906 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022263.D

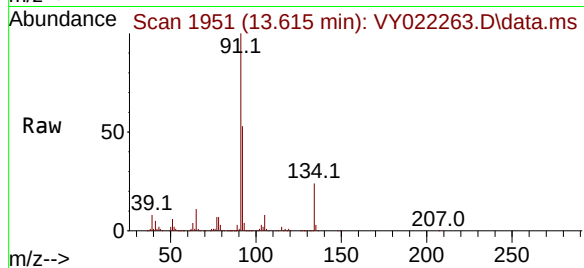
Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

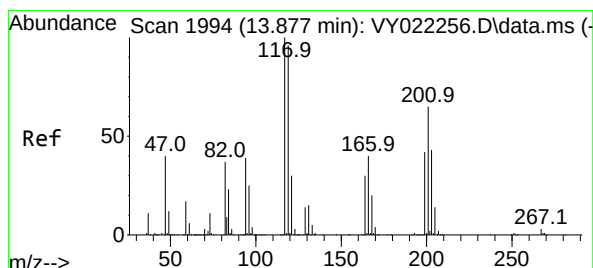
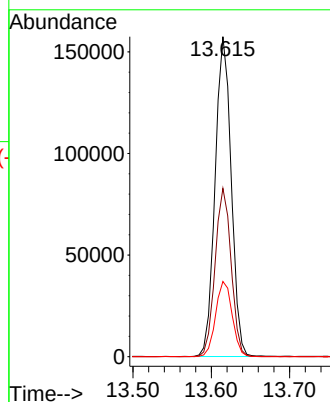
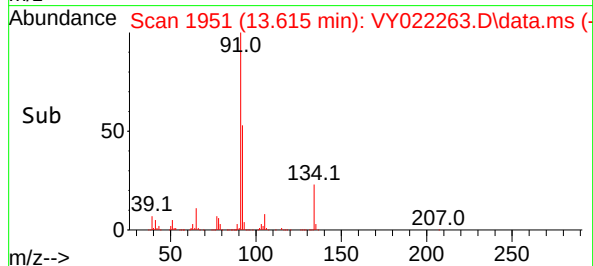


Tgt Ion:	91	Resp:	225170
Ion Ratio	100	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.2	12.4	37.4

Manual Integrations

APPROVED

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



#90

Hexachloroethane

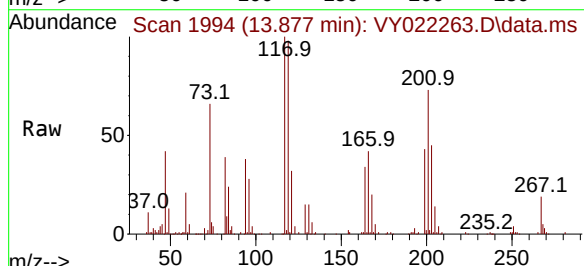
Concen: 19.695 ug/l

RT: 13.877 min Scan# 1994

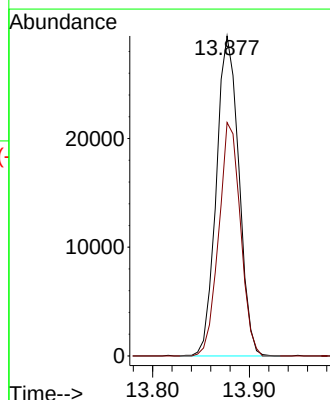
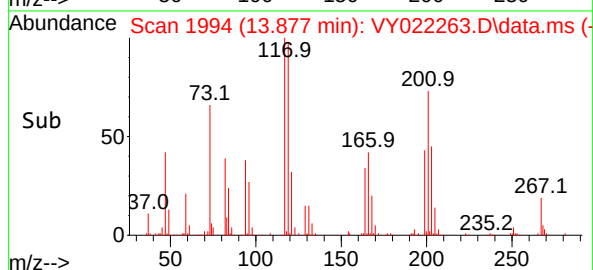
Delta R.T. 0.000 min

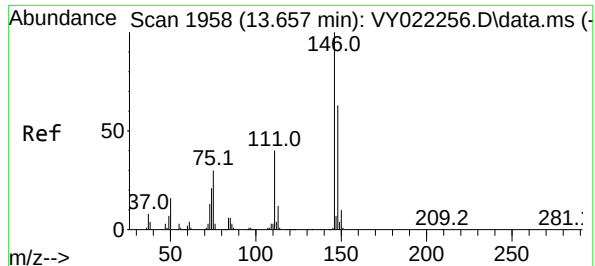
Lab File: VY022263.D

Acq: 15 May 2025 14:29



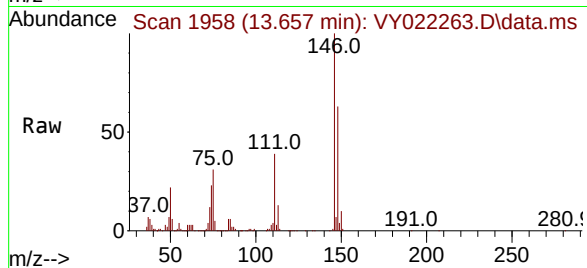
Tgt Ion:	117	Resp:	47537
Ion Ratio	100	Lower	Upper
117	100		
201	70.1	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 19.962 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

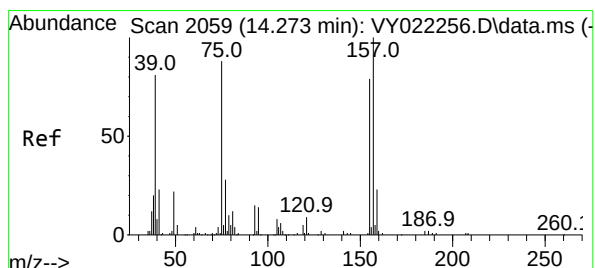
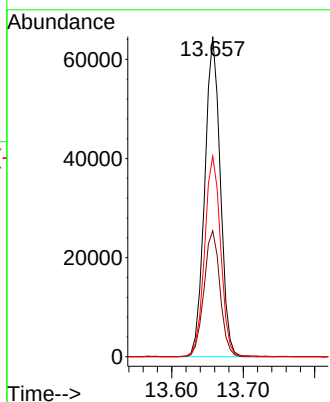
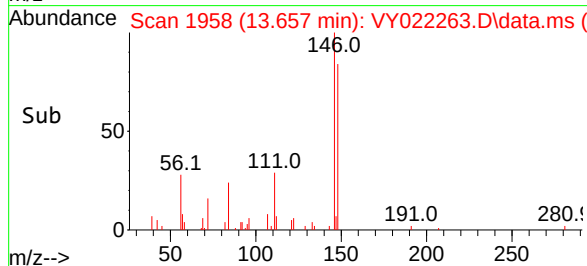
Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01



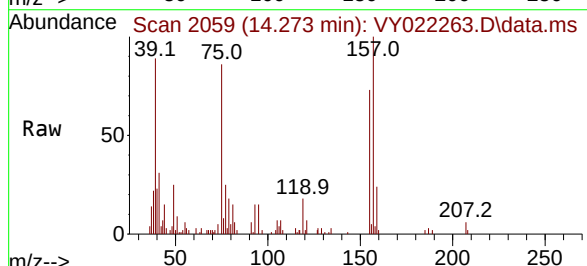
Tgt Ion:146 Resp: 97580
Ion Ratio Lower Upper
146 100
111 40.4 20.5 61.5
148 64.2 32.0 96.0

Manual Integrations
APPROVED

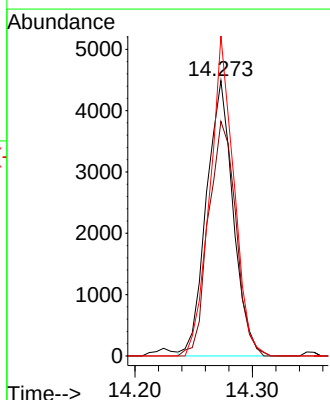
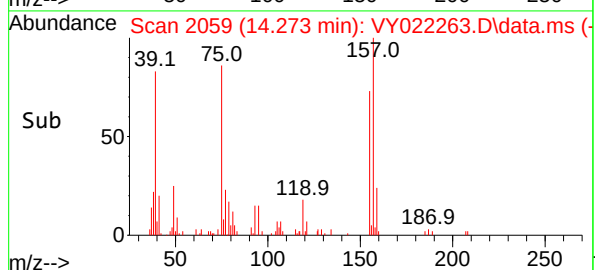
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

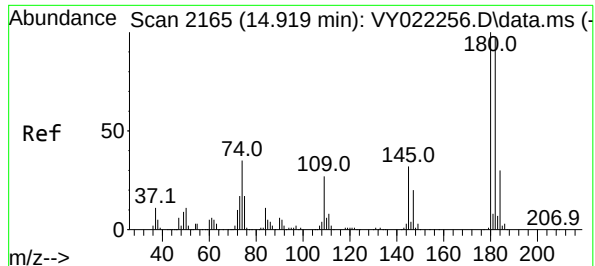


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.427 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29



Tgt Ion: 75 Resp: 7093
Ion Ratio Lower Upper
75 100
155 86.9 43.4 130.1
157 104.4 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 20.591 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion:180 Resp: 58140

Ion Ratio Lower Upper

180 100

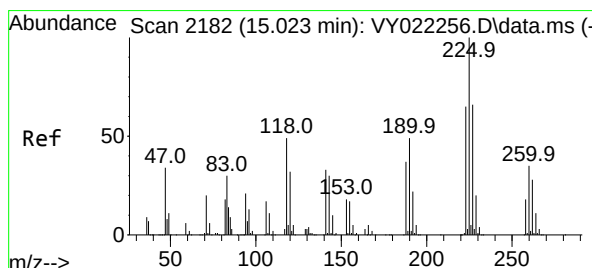
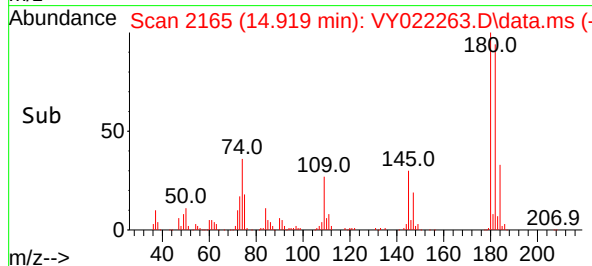
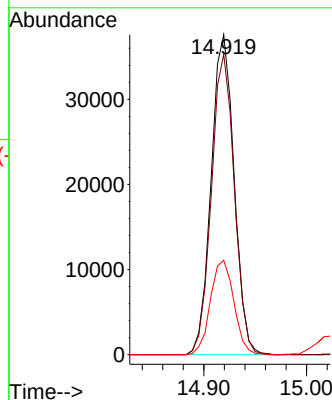
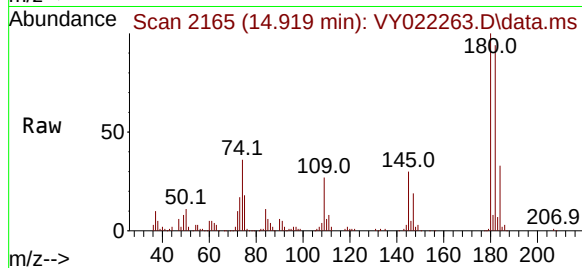
182 93.5 48.0 144.0

145 30.2 15.0 45.1

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

Concen: 20.955 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

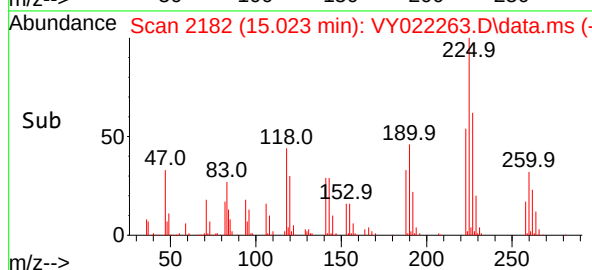
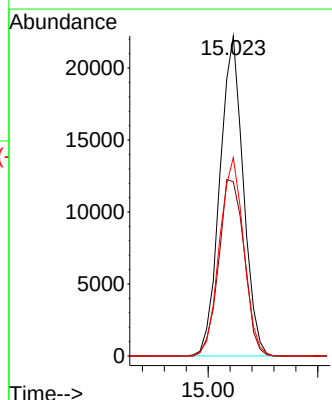
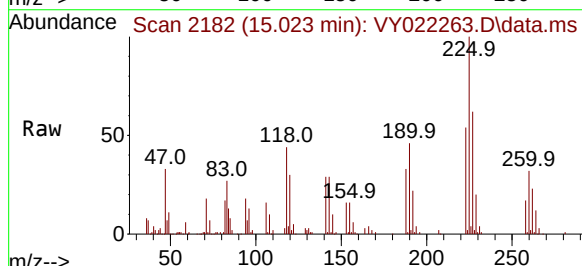
Tgt Ion:225 Resp: 33000

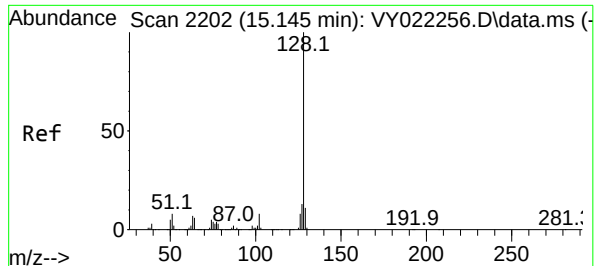
Ion Ratio Lower Upper

225 100

223 60.1 31.5 94.5

227 63.9 32.1 96.3





#95

Naphthalene

Concen: 20.890 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0515SBS01

Tgt Ion:128 Resp: 11194

Ion Ratio Lower Upper

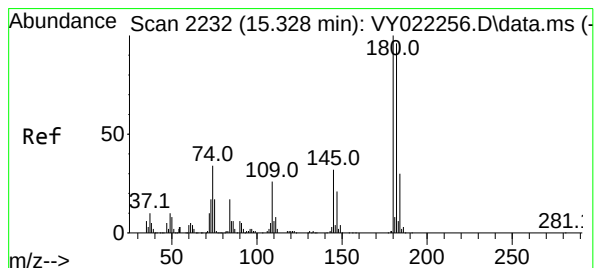
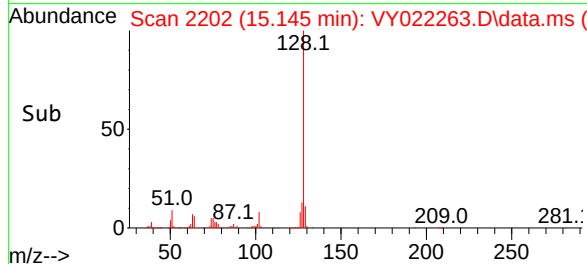
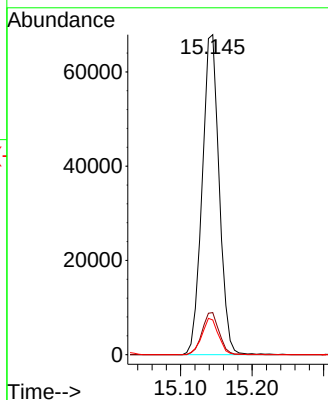
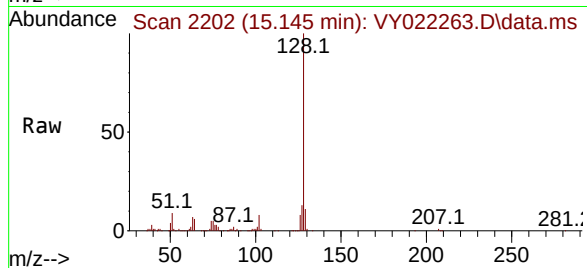
128 100

127 13.3 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: 21.049 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022263.D

Acq: 15 May 2025 14:29

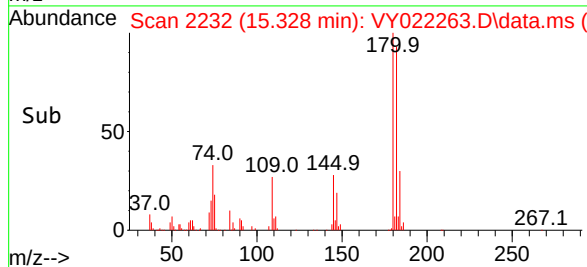
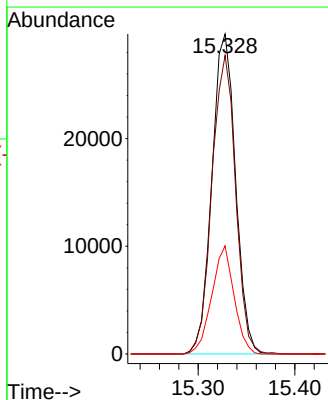
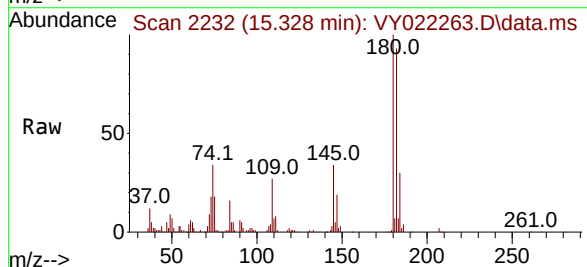
Tgt Ion:180 Resp: 50425

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.3

145 31.9 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
VY0515SBS01	VY022262.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBS01	VY022262.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBSD0 1	VY022263.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 AM	Peak Integrated by Software
VY0515SBSD0 1	VY022263.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 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:

VY051625

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022277.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:54 PM	Sam	5/19/2025 2:44:19 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	Methacrylonitrile	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VSTDCCC050	VY022301.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:39:03 PM	Sam	5/19/2025 2:44:28 PM	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/QCBatch 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/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133936			
CCC		VP133942,VP133943			
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	VY022276.D	16 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022277.D	16 May 2025 08:24	SY/MD	Ok,M
3	VY0516SBL01	VY022278.D	16 May 2025 09:37	SY/MD	Ok
4	VY0516SBS01	VY022279.D	16 May 2025 10:09	SY/MD	Ok,M
5	VY0516SBSD01	VY022280.D	16 May 2025 10:32	SY/MD	Ok,M
6	Q1984-07RE	VY022281.D	16 May 2025 11:17	SY/MD	Confirms
7	Q1984-09	VY022282.D	16 May 2025 11:41	SY/MD	Ok
8	Q1984-11	VY022283.D	16 May 2025 12:04	SY/MD	Ok
9	Q1984-13	VY022284.D	16 May 2025 12:29	SY/MD	Ok
10	Q1984-15RE	VY022285.D	16 May 2025 12:54	SY/MD	Not Ok
11	Q1982-01	VY022286.D	16 May 2025 13:17	SY/MD	Ok
12	Q1982-02	VY022287.D	16 May 2025 13:41	SY/MD	Ok
13	Q1982-03	VY022288.D	16 May 2025 14:04	SY/MD	Ok
14	Q1982-07	VY022289.D	16 May 2025 14:28	SY/MD	Ok
15	Q1982-08	VY022290.D	16 May 2025 14:51	SY/MD	Ok
16	Q2010-03	VY022291.D	16 May 2025 15:15	SY/MD	Ok
17	Q2010-04	VY022292.D	16 May 2025 15:38	SY/MD	Ok
18	Q2003-02	VY022293.D	16 May 2025 16:02	SY/MD	ReRun
19	Q2032-03	VY022294.D	16 May 2025 16:25	SY/MD	Ok
20	Q2032-04	VY022295.D	16 May 2025 16:48	SY/MD	Ok
21	Q2032-07	VY022296.D	16 May 2025 17:12	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133936			
CCC		VP133942,VP133943			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2032-08	VY022297.D	16 May 2025 17:35	SY/MD	Ok
23	Q2032-02	VY022298.D	16 May 2025 17:59	SY/MD	Ok
24	Q2032-05MS	VY022299.D	16 May 2025 18:21	SY/MD	Not Ok
25	Q2032-06MSD	VY022300.D	16 May 2025 18:44	SY/MD	Not Ok
26	VSTDCCC050	VY022301.D	16 May 2025 19:29	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	VSTDIC005	VSTDIC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	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 # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:39:18 PM
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y HP Processing Method 82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133936
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133942,VP133943 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022276.D	16 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022277.D	16 May 2025 08:24		SY/MD	Ok,M
3	VY0516SBL01	VY0516SBL01	VY022278.D	16 May 2025 09:37		SY/MD	Ok
4	VY0516SBS01	VY0516SBS01	VY022279.D	16 May 2025 10:09		SY/MD	Ok,M
5	VY0516SBSD01	VY0516SBSD01	VY022280.D	16 May 2025 10:32		SY/MD	Ok,M
6	Q1984-07RE	OU4-TS-24-050725RE	VY022281.D	16 May 2025 11:17	vial-B Surrogate fail	SY/MD	Confirms
7	Q1984-09	OU4-TS-25-050725	VY022282.D	16 May 2025 11:41	vial-B	SY/MD	Ok
8	Q1984-11	OU4-TS-26-050725	VY022283.D	16 May 2025 12:04	vial-B	SY/MD	Ok
9	Q1984-13	OU4-TS-27-050725	VY022284.D	16 May 2025 12:29	vial-B	SY/MD	Ok
10	Q1984-15RE	OU4-TS-28-050725RE	VY022285.D	16 May 2025 12:54	vial-B Surrogate fail;Not match for com.#16	SY/MD	Not Ok
11	Q1982-01	TP-1	VY022286.D	16 May 2025 13:17	vial-B	SY/MD	Ok
12	Q1982-02	TP-2B	VY022287.D	16 May 2025 13:41	vial-B	SY/MD	Ok
13	Q1982-03	TP-3	VY022288.D	16 May 2025 14:04	Vial A	SY/MD	Ok
14	Q1982-07	TP-8	VY022289.D	16 May 2025 14:28	Vial A	SY/MD	Ok
15	Q1982-08	TP-9	VY022290.D	16 May 2025 14:51	Vial A	SY/MD	Ok
16	Q2010-03	TP-14	VY022291.D	16 May 2025 15:15	vial-B	SY/MD	Ok
17	Q2010-04	TP-17	VY022292.D	16 May 2025 15:38	vial-B	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133936			
CCC		VP133942,VP133943			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2003-02	VOC	VY022293.D	16 May 2025 16:02	vial-A Internal standard fail	SY/MD	ReRun
19	Q2032-03	TP-29-99	VY022294.D	16 May 2025 16:25	vial-A	SY/MD	Ok
20	Q2032-04	TP-24	VY022295.D	16 May 2025 16:48	vial-A	SY/MD	Ok
21	Q2032-07	TP-37	VY022296.D	16 May 2025 17:12	vial-A	SY/MD	Ok
22	Q2032-08	TP-32	VY022297.D	16 May 2025 17:35	vial-A	SY/MD	Ok
23	Q2032-02	TP-29	VY022298.D	16 May 2025 17:59	vial-A	SY/MD	Ok
24	Q2032-05MS	TP-24MS	VY022299.D	16 May 2025 18:21	vial-A Internal standard fail;Recovery Fail	SY/MD	Not Ok
25	Q2032-06MSD	TP-24MSD	VY022300.D	16 May 2025 18:44	vial-A Internal standard fail;Surrogate fail	SY/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VY022301.D	16 May 2025 19:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135865

WorkList Name : %1-050825

WorkList ID : 139376

Department : Wet-Chemistry

Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/08/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135403

WorkList Name : %1-050825 WorkList ID : 189376 Department : Wet-Chemistry Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00 Date/Time 05/08/25 17:30
 Raw Sample Received by: JB WOC Raw Sample Received by: CR
 Raw Sample Relinquished by: CR Raw Sample Relinquished by: SP

WORKLIST(Hardcopy Internal Chain)

9135405

WorkList Name : %1-050825 WorkList ID : 189376 Department : Wet-Chemistry Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00
 Raw Sample Received by: CP 5
 Raw Sample Relinquished by: CP 5
 Date/Time 05/08/25 17:30
 Raw Sample Received by: CP 5
 Raw Sample Relinquished by: CP 5

17735705

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-050825 WorkList ID : 189376 Department : Wet-Chemistry Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBIO3	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time 05/08/25 15:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 05/08/25 17:130
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1982-01	55.82-31.24=24.58	11:00	46.83-30.90=15.93	11:01	43.98-27.76=16.22	11:02	V14143	05/08/2025	8260 TERRACORE SAMPLES
2	Q1982-02	38.39-31.17=7.22	11:03	48.50-33.24=15.26	11:04	55.29-27.82=27.47	11:05	V14143	05/08/2025	
3	Q1982-03	45.05-33.18=11.87	11:06	41.68-30.92=10.76	11:07	74.28-27.95=46.33	11:08	V14143	05/08/2025	
4	Q1982-04	42.80-31.11=11.69	11:09	42.90-31.02=11.88	11:10	39.07-27.61=11.46	11:11	V14143	05/08/2025	
5	Q1982-05	43.75-33.43=10.32	11:12	37.76-30.83=6.93	11:13	48.89-27.91=20.98	11:14	V14143	05/08/2025	
6	Q1982-06	34.21-30.97=3.24	11:15	44.48-33.08=11.4	11:17	38.24-27.75=10.49	11:17	V14143	05/08/2025	
7	Q1982-07	40.48-33.37=7.11	11:18	38.49-31.24=7.25	11:19	42.67-27.72=14.95	11:20	V14143	05/08/2025	
8	Q1982-08	39.25-32.75=6.5	11:21	41.47-32.85=8.62	11:22	37.44-27.98=9.46	11:23	V14143	05/08/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-5904679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WA REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732-5904679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-5904679

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 _____

TCL WCL
TCL SVOC
TAL METALS
PCBS
PESTICIDE
HERBICIDE
DRO/GRS

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-1	SOIL		X	5/6/25	0837	6	X	X	X	X	X	X	X			E
2.	TP-2B	SOIL		X	5/6/25	1116	6	X	X	X	X	X	X	X			E
3.	TP-3	SOIL		X	5/6/25	1310	6	X	X	X	X	X	X	X			E
4.	TP-4	SOIL		X	5/7/25	0815	6	X	X	X	X	X	X	X			E
5.	TP-5	SOIL		X	5/7/25	1047	6	X	X	X	X	X	X	X			E
6.	TP-6	SOIL		X	5/7/25	1150	6	X	X	X	X	X	X	X			E
7.	TP-8	SOIL		X	5/7/25	1245	6	X	X	X	X	X	X	X			E
8.	TP-9	SOIL		X	5/7/25	1330	6	X	X	X	X	X	X	X			E
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 5/7/25 1455	RECEIVED BY: 1. [Signature]	1455	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	5-7-25	Comments: Temp 3.1 °C Adjustment Factor + DIR Gun #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 5-7-25	RECEIVED BY: 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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1982	CAMP02	Order Date : 5/7/2025 3:20:42 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 <i>NO Reduce</i>
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/7/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16:02	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
Q1982-01	TP-1	Solid	~~05/07/2025~~ 05/06/2025	08:37	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-02	TP-2B	Solid	~~05/07/2025~~ 05/06/2025	11:16	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-03	TP-3	Solid	~~05/07/2025~~ 05/06/2025	13:10	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-04	TP-4	Solid	05/07/2025	08:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-05	TP-5	Solid	05/07/2025	10:47	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-06	TP-6	Solid	05/07/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-07	~~TP-7~~ TP-8	Solid	05/07/2025	12:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-08	~~TP-8~~ TP-9	Solid	05/07/2025	13:30					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1982 **CAMP02**
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/7/2025 3:20:42 PM
Project Name : South River WM Replacem
Receive DateTime : 5/7/2025 12:00:00 AM
Purchase Order : 16102

Project Mgr :
Report Type : Level 1 *NO Reduce*
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 
Date / Time : 5/8/25 0850

Received By : 
Date / Time : 5/6/25 08:10 *1226*
Storage Area : VOA Refridgerator Room