

DATA REPORTING QUALIFIERS- ORGANIC

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

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

LAB CHRONICLE

OrderID:	Q3618	OrderDate:	11/12/2025 2:35:43 PM
Client:	ENTACT	Project:	Whittaker Coatings Site – E9125B
Contact:	Austin Farmerie	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3618-01	EME-TOP-SOIL	SOIL	VOC-TCLVOA-10	8260D	11/12/25		11/13/25	11/12/25
Q3618-02	EME-GENERAL-FILL	SOIL	VOC-TCLVOA-10	8260D	11/12/25		11/13/25	11/12/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3618
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3618-02	EME-GENERAL-FILL EME-GENERAL-F SOIL		Methylene Chloride	6.70	J	2.80	8.00	ug/Kg
			Total Voc :	6.70				
			Total Concentration:	6.70				



QC SUMMARY

Surrogate Summary

SDG No.: Q3618

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3618-01	EME-TOP-SOIL	1,2-Dichloroethane-d4	50	59.7	119		63	155
		Dibromofluoromethane	50	52.8	106		70	134
		Toluene-d8	50	47.9	96		74	123
		4-Bromofluorobenzene	50	38.0	76		52	138
Q3618-02	EME-GENERAL-FILL	1,2-Dichloroethane-d4	50	63.7	127		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	44.7	89		52	138
VY1113SBL01	VY1113SBL01	1,2-Dichloroethane-d4	50	56.7	113		63	155
		Dibromofluoromethane	50	50.5	101		70	134
		Toluene-d8	50	48.7	97		74	123
		4-Bromofluorobenzene	50	50.5	101		52	138
VY1113SBS01	VY1113SBS01	1,2-Dichloroethane-d4	50	50.7	101		63	155
		Dibromofluoromethane	50	50.1	100		70	134
		Toluene-d8	50	51.1	102		74	123
		4-Bromofluorobenzene	50	62.2	124		52	138
VY1113SBSD01	VY1113SBSD01	1,2-Dichloroethane-d4	50	51.8	104		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	52.9	106		74	123
		4-Bromofluorobenzene	50	53.2	106		52	138

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3618</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VY023776.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBS01	Dichlorodifluoromethane	20	22.2	ug/Kg	111			64	136	
	Chloromethane	20	21.2	ug/Kg	106			73	129	
	Vinyl chloride	20	20.2	ug/Kg	101			73	133	
	Bromomethane	20	20.0	ug/Kg	100			77	137	
	Chloroethane	20	19.6	ug/Kg	98			69	130	
	Trichlorofluoromethane	20	21.7	ug/Kg	109			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			79	121	
	Acetone	100	120	ug/Kg	120			60	174	
	Carbon disulfide	20	21.4	ug/Kg	107			73	125	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			77	129	
	Methyl Acetate	20	16.5	ug/Kg	83			51	140	
	Methylene Chloride	20	22.3	ug/Kg	112			54	158	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	21.4	ug/Kg	107			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	21.6	ug/Kg	108			80	127	
	Chloroform	20	21.3	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.2	ug/Kg	101			77	123	
	Benzene	20	21.2	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	21.3	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	20.2	ug/Kg	101			79	125	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			80	125	
	Tetrachloroethene	20	19.5	ug/Kg	98			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.4	ug/Kg	97			82	124	
	m/p-Xylenes	40	39.1	ug/Kg	98			83	124	
	o-Xylene	20	19.1	ug/Kg	96			83	123	
	Styrene	20	19.5	ug/Kg	98			82	124	
	Bromoform	20	22.2	ug/Kg	111			75	127	
	Isopropylbenzene	20	20.8	ug/Kg	104			82	124	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/Kg	98			77	127	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			84	121	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3618</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VY023776.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/Kg	93			66	134	
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93			78	127	
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3618	Analytical Method:	SW8260D
Client:	ENTACT	Datafile :	VY023777.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBSD01	Dichlorodifluoromethane	20	21.9	ug/Kg	110	1		64	136	20
	Chloromethane	20	20.2	ug/Kg	101	5		73	129	15
	Vinyl chloride	20	19.4	ug/Kg	97	4		73	133	15
	Bromomethane	20	18.6	ug/Kg	93	7		77	137	15
	Chloroethane	20	18.9	ug/Kg	95	3		69	130	15
	Trichlorofluoromethane	20	20.1	ug/Kg	101	8		69	134	27
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106	3		81	123	20
	1,1-Dichloroethene	20	20.4	ug/Kg	102	6		79	121	16
	Acetone	100	110	ug/Kg	110	9		60	174	28
	Carbon disulfide	20	20.5	ug/Kg	103	4		73	125	15
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	4		77	129	20
	Methyl Acetate	20	15.6	ug/Kg	78	6		51	140	30
	Methylene Chloride	20	20.3	ug/Kg	102	9		54	158	20
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103	1		80	123	15
	1,1-Dichloroethane	20	20.9	ug/Kg	104	4		82	123	15
	Cyclohexane	20	21.0	ug/Kg	105	2		76	122	15
	2-Butanone	100	110	ug/Kg	110	0		69	131	29
	Carbon Tetrachloride	20	20.3	ug/Kg	102	2		76	129	15
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	2		82	123	15
	Bromochloromethane	20	21.1	ug/Kg	106	2		80	127	15
	Chloroform	20	20.5	ug/Kg	103	3		82	125	15
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	3		80	126	15
	Methylcyclohexane	20	19.8	ug/Kg	99	2		77	123	15
	Benzene	20	20.6	ug/Kg	103	3		84	121	15
	1,2-Dichloroethane	20	19.5	ug/Kg	98	6		81	126	15
	Trichloroethene	20	19.3	ug/Kg	97	4		83	122	15
	1,2-Dichloropropane	20	20.6	ug/Kg	103	3		83	122	15
	Bromodichloromethane	20	20.3	ug/Kg	102	3		82	123	15
	4-Methyl-2-Pentanone	100	97.3	ug/Kg	97	3		70	135	26
	Toluene	20	20.6	ug/Kg	103	3		83	122	15
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98	4		78	124	15
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100	4		81	122	15
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99	4		82	125	15
	2-Hexanone	100	100	ug/Kg	100	10		66	138	27
	Dibromochloromethane	20	19.4	ug/Kg	97	4		79	125	15
	1,2-Dibromoethane	20	19.2	ug/Kg	96	6		80	125	16
	Tetrachloroethene	20	19.1	ug/Kg	96	2		83	125	15
	Chlorobenzene	20	19.9	ug/Kg	100	1		84	122	15
	Ethyl Benzene	20	20.1	ug/Kg	101	4		82	124	15
	m/p-Xylenes	40	40.7	ug/Kg	102	4		83	124	15
	o-Xylene	20	19.7	ug/Kg	99	3		83	123	15
	Styrene	20	20.0	ug/Kg	100	2		82	124	15
	Bromoform	20	18.9	ug/Kg	95	16		75	127	16
	Isopropylbenzene	20	20.3	ug/Kg	102	2		82	124	15
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102	4		77	127	21
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	1		83	122	15
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99	0		84	121	15
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98	0		83	124	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3618</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VY023777.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1113SBSD01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99	6		66	134	20
	1,2,4-Trichlorobenzene	20	22.3	ug/Kg	112	19		78	127	20
	1,2,3-Trichlorobenzene	20	23.5	ug/Kg	117	20	*	70	137	16

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1113SBL01

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q3618

Lab File ID: VY023775.D

Lab Sample ID: VY1113SBL01

Date Analyzed: 11/13/2025

Time Analyzed: 10:17

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
VY1113SBS01	VY1113SBS01	VY023776.D	11/13/2025
VY1113SBSD01	VY1113SBSD01	VY023777.D	11/13/2025
EME-TOP-SOIL	Q3618-01	VY023780.D	11/13/2025
EME-GENERAL-FILL	Q3618-02	VY023781.D	11/13/2025

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: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q3618

Lab File ID: VY023660.D

BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:11

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	17.3
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91.1 (96.1) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023661.D	11/04/2025	09:19
VSTDIC010	VSTDIC010	VY023662.D	11/04/2025	09:42
VSTDIC020	VSTDIC020	VY023663.D	11/04/2025	10:19
VSTDIC050	VSTDIC050	VY023664.D	11/04/2025	10:42
VSTDIC100	VSTDIC100	VY023665.D	11/04/2025	11:05
VSTDIC150	VSTDIC150	VY023666.D	11/04/2025	11:27



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q3618

Lab File ID: VY023773.D

BFB Injection Date: 11/13/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 09:06

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	17.2
75	30.0 - 60.0% of mass 95	48.6
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	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	92.4
175	5.0 - 9.0% of mass 174	6.7 (7.3) 1
176	95.0 - 101.0% of mass 174	88.1 (95.4) 1
177	5.0 - 9.0% of mass 176	5.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023774.D	11/13/2025	09:48
VY1113SBL01	VY1113SBL01	VY023775.D	11/13/2025	10:17
VY1113SBS01	VY1113SBS01	VY023776.D	11/13/2025	10:46
VY1113SBSD01	VY1113SBSD01	VY023777.D	11/13/2025	11:09
EME-TOP-SOIL	Q3618-01	VY023780.D	11/13/2025	12:38
EME-GENERAL-FILL	Q3618-02	VY023781.D	11/13/2025	13:01

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG NO.: Q3618
 Lab File ID: VY023774.D Date Analyzed: 11/13/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:48
 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	535734	7.71	769382	8.62	787003	11.41
UPPER LIMIT	1071470	8.207	1538760	9.116	1574010	11.914
LOWER LIMIT	267867	7.207	384691	8.116	393502	10.914
EPA SAMPLE NO.						
EME-TOP-SOIL	711582	7.71	1226368	8.62	948550	11.41
EME-GENERAL-FILL	750284	7.71	1336736	8.62	1138969	11.41
VY1113SBL01	770600	7.71	1347630	8.62	1134546	11.41
VY1113SBS01	545029	7.71	820567	8.62	760023	11.41
VY1113SBSD01	571249	7.71	854908	8.62	744787	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: Alliance Contract: ENTA05
 Lab Code: ACE SDG NO.: Q3618
 Lab File ID: VY023774.D Date Analyzed: 11/13/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:48
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	393514	13.347				
UPPER LIMIT	787028	13.847				
LOWER LIMIT	196757	12.847				
EPA SAMPLE NO.						
EME-TOP-SOIL	319105	13.35				
EME-GENERAL-FILL	437964	13.35				
VY1113SBL01	509347	13.35				
VY1113SBS01	418145	13.35				
VY1113SBSD01	370605	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



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

Report of Analysis

Client: ENTACT
Project: Whittaker Coatings Site – E9125B
Client Sample ID: EME-TOP-SOIL
Lab Sample ID: Q3618-01
Analytical Method: 8260D
Sample Wt/Vol: 5.28 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/12/25
Date Received: 11/12/25
SDG No.: Q3618
Matrix: SOIL
% Solid: 70.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.50	U	1	1.50	6.70	ug/Kg	11/13/25 12:38	VY111325
74-87-3	Chloromethane	1.50	U	1	1.50	6.70	ug/Kg	11/13/25 12:38	VY111325
75-01-4	Vinyl Chloride	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
74-83-9	Bromomethane	1.40	U	1	1.40	6.70	ug/Kg	11/13/25 12:38	VY111325
75-00-3	Chloroethane	1.70	U	1	1.70	6.70	ug/Kg	11/13/25 12:38	VY111325
75-69-4	Trichlorofluoromethane	1.60	U	1	1.60	6.70	ug/Kg	11/13/25 12:38	VY111325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1	1.40	6.70	ug/Kg	11/13/25 12:38	VY111325
75-35-4	1,1-Dichloroethene	1.30	U	1	1.30	6.70	ug/Kg	11/13/25 12:38	VY111325
67-64-1	Acetone	6.40	U	1	6.40	33.7	ug/Kg	11/13/25 12:38	VY111325
75-15-0	Carbon Disulfide	1.40	U	1	1.40	6.70	ug/Kg	11/13/25 12:38	VY111325
1634-04-4	Methyl tert-butyl Ether	0.98	U	1	0.98	6.70	ug/Kg	11/13/25 12:38	VY111325
79-20-9	Methyl Acetate	2.10	U	1	2.10	6.70	ug/Kg	11/13/25 12:38	VY111325
75-09-2	Methylene Chloride	4.80	U	1	4.80	13.5	ug/Kg	11/13/25 12:38	VY111325
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
110-82-7	Cyclohexane	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
78-93-3	2-Butanone	8.80	U	1	8.80	33.7	ug/Kg	11/13/25 12:38	VY111325
56-23-5	Carbon Tetrachloride	1.30	U	1	1.30	6.70	ug/Kg	11/13/25 12:38	VY111325
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	1.00	6.70	ug/Kg	11/13/25 12:38	VY111325
74-97-5	Bromochloromethane	1.50	U	1	1.50	6.70	ug/Kg	11/13/25 12:38	VY111325
67-66-3	Chloroform	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	6.70	ug/Kg	11/13/25 12:38	VY111325
108-87-2	Methylcyclohexane	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
71-43-2	Benzene	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
79-01-6	Trichloroethene	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
78-87-5	1,2-Dichloropropane	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
75-27-4	Bromodichloromethane	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
108-10-1	4-Methyl-2-Pentanone	4.80	U	1	4.80	33.7	ug/Kg	11/13/25 12:38	VY111325
108-88-3	Toluene	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
10061-02-6	t-1,3-Dichloropropene	0.88	U	1	0.88	6.70	ug/Kg	11/13/25 12:38	VY111325
10061-01-5	cis-1,3-Dichloropropene	0.84	U	1	0.84	6.70	ug/Kg	11/13/25 12:38	VY111325
79-00-5	1,1,2-Trichloroethane	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
591-78-6	2-Hexanone	5.00	U	1	5.00	33.7	ug/Kg	11/13/25 12:38	VY111325
124-48-1	Dibromochloromethane	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
106-93-4	1,2-Dibromoethane	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
127-18-4	Tetrachloroethene	1.40	U	1	1.40	6.70	ug/Kg	11/13/25 12:38	VY111325
108-90-7	Chlorobenzene	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325
100-41-4	Ethyl Benzene	0.90	U	1	0.90	6.70	ug/Kg	11/13/25 12:38	VY111325
179601-23-1	m/p-Xylenes	1.70	U	1	1.70	13.5	ug/Kg	11/13/25 12:38	VY111325
95-47-6	o-Xylene	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
100-42-5	Styrene	0.96	U	1	0.96	6.70	ug/Kg	11/13/25 12:38	VY111325
75-25-2	Bromoform	1.20	U	1	1.20	6.70	ug/Kg	11/13/25 12:38	VY111325



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

Report of Analysis

Client:	ENTACT	Date Collected:	11/12/25
Project:	Whittaker Coatings Site – E9125B	Date Received:	11/12/25
Client Sample ID:	EME-TOP-SOIL	SDG No.:	Q3618
Lab Sample ID:	Q3618-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	70.3
Sample Wt/Vol:	5.28 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	6.70	ug/Kg	11/13/25 12:38	VY111325
79-34-5	1,1,2,2-Tetrachloroethane	1.60	U	1	1.60	6.70	ug/Kg	11/13/25 12:38	VY111325
541-73-1	1,3-Dichlorobenzene	2.30	U	1	2.30	6.70	ug/Kg	11/13/25 12:38	VY111325
106-46-7	1,4-Dichlorobenzene	2.10	U	1	2.10	6.70	ug/Kg	11/13/25 12:38	VY111325
95-50-1	1,2-Dichlorobenzene	2.00	U	1	2.00	6.70	ug/Kg	11/13/25 12:38	VY111325
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	1	2.50	6.70	ug/Kg	11/13/25 12:38	VY111325
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	4.00	6.70	ug/Kg	11/13/25 12:38	VY111325
87-61-6	1,2,3-Trichlorobenzene	4.30	U	1	4.30	6.70	ug/Kg	11/13/25 12:38	VY111325

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.7			63 - 155	119%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8			70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	47.9			74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.0			52 - 138	76%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	712000
540-36-3	1,4-Difluorobenzene	1230000
3114-55-4	Chlorobenzene-d5	949000
3855-82-1	1,4-Dichlorobenzene-d4	319000

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\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

Quant Time: Nov 14 04:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	711582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1226368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	948550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	319105	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	362407	59.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.420%
35) Dibromofluoromethane	7.634	113	404628	52.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.600%
50) Toluene-d8	10.103	98	1368019	47.919	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.402	95	350378	37.951	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.900%

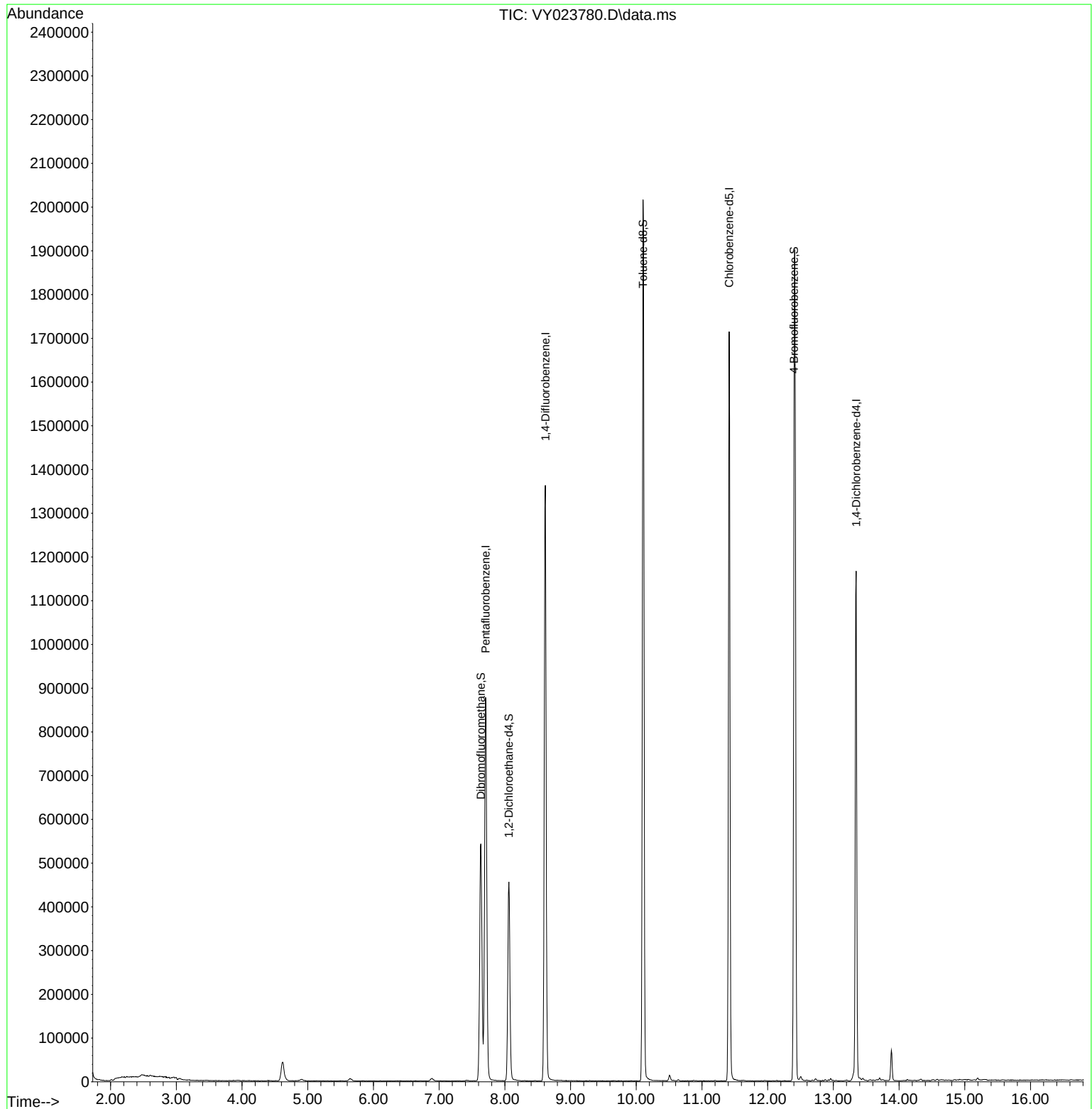
Target Compounds	Qvalue

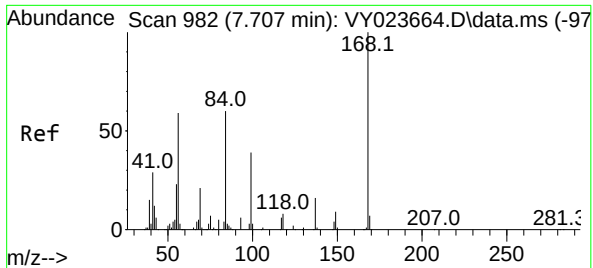
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

Quant Time: Nov 14 04:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

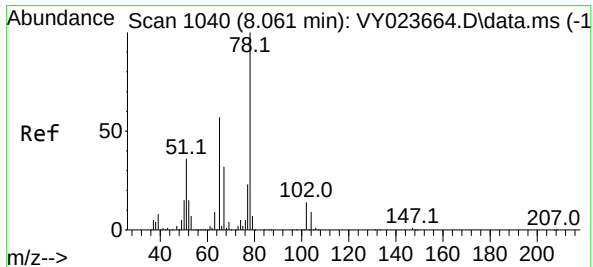
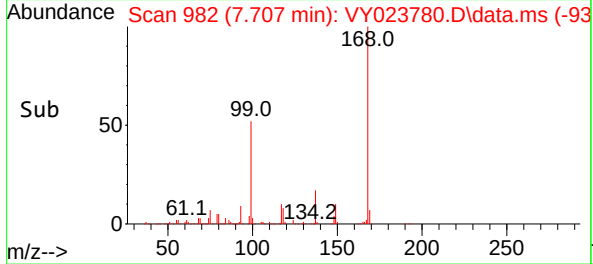
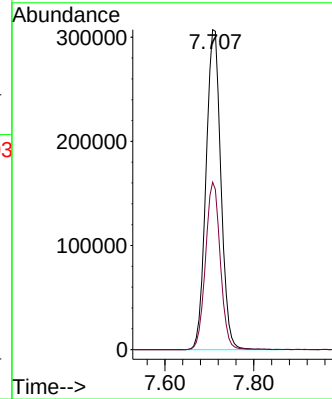
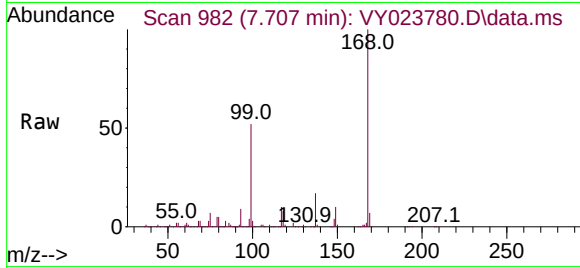




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023780.D
Acq: 13 Nov 2025 12:38

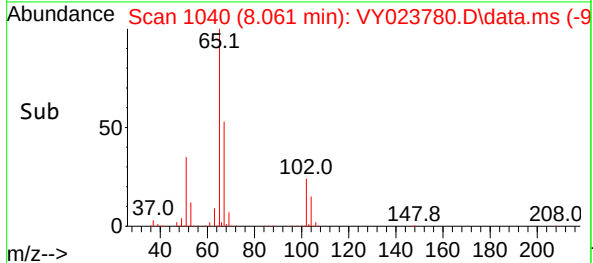
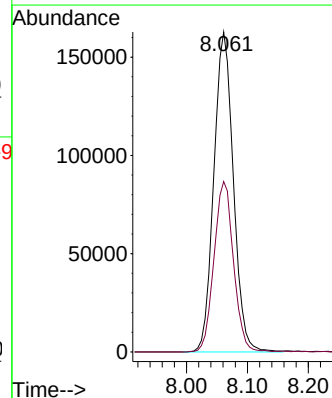
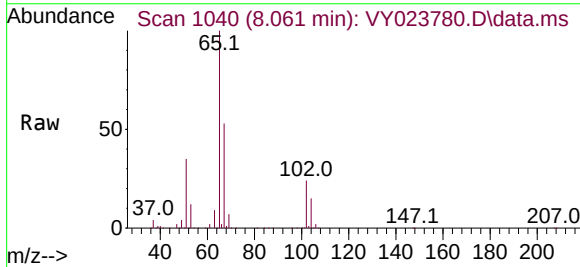
Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

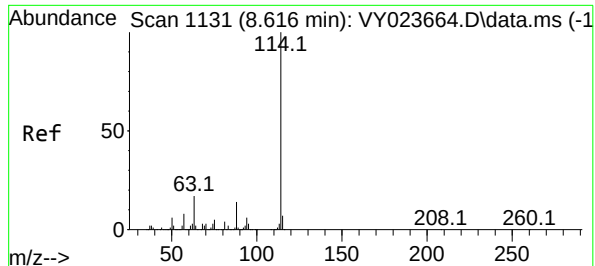
Tgt Ion:168 Resp: 711582
Ion Ratio Lower Upper
168 100
99 52.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023780.D
Acq: 13 Nov 2025 12:38

Tgt Ion: 65 Resp: 362407
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

EME-TOP-SOIL

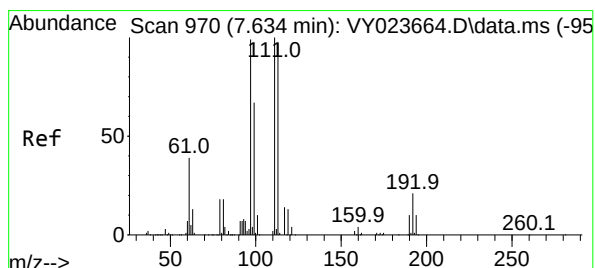
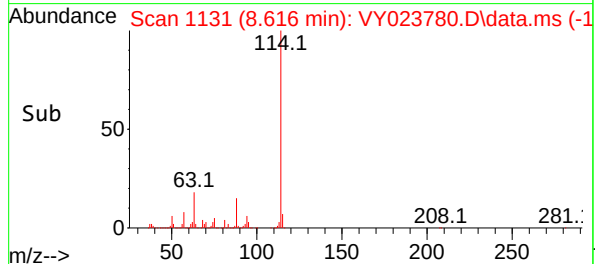
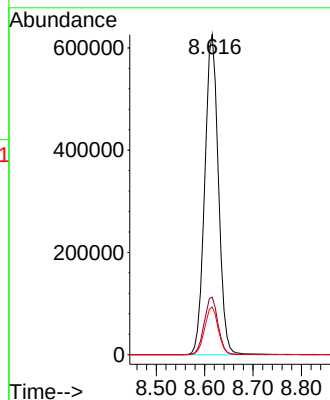
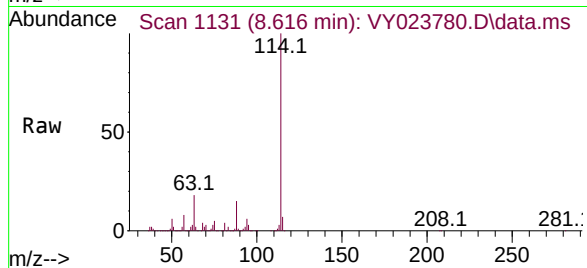
Tgt Ion:114 Resp: 1226368

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.796 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

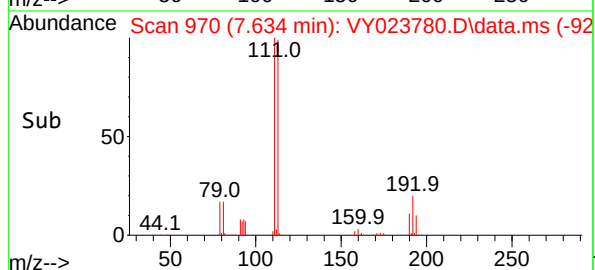
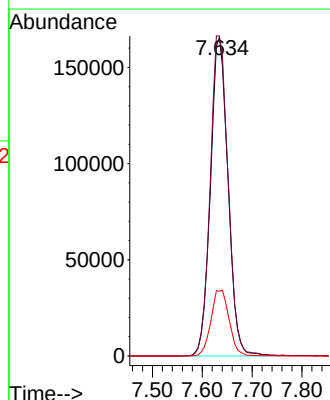
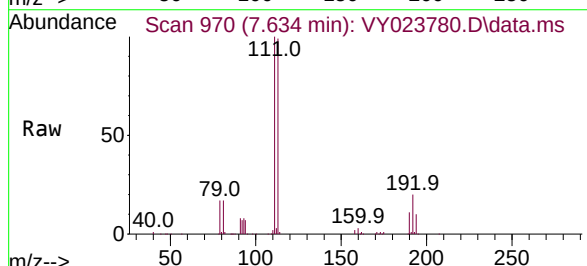
Tgt Ion:113 Resp: 404628

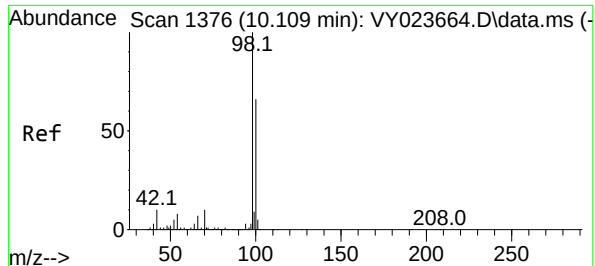
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 21.3 17.3 25.9





#50

Toluene-d8

Concen: 47.919 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

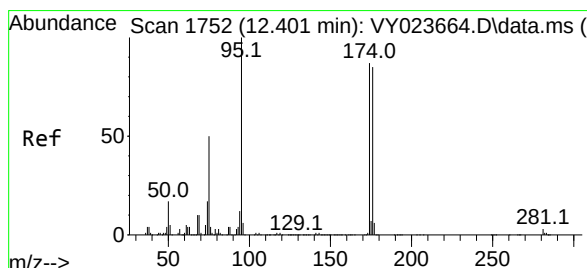
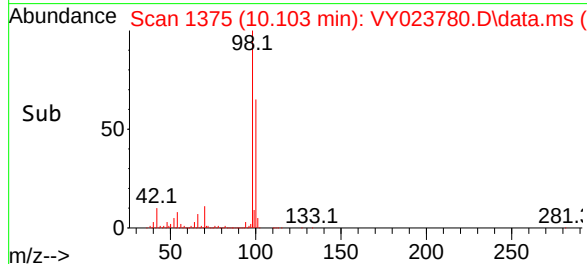
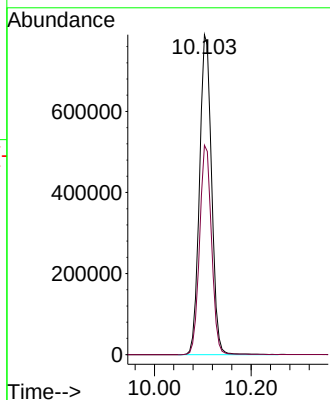
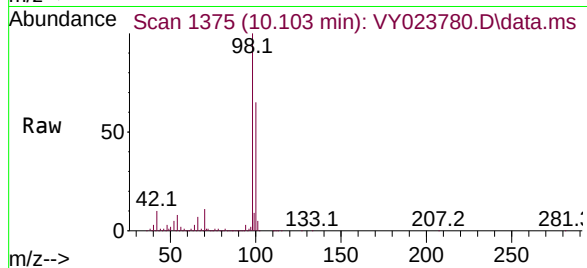
EME-TOP-SOIL

Tgt Ion: 98 Resp: 1368019

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 37.951 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

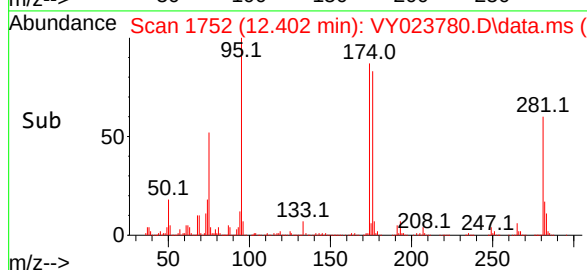
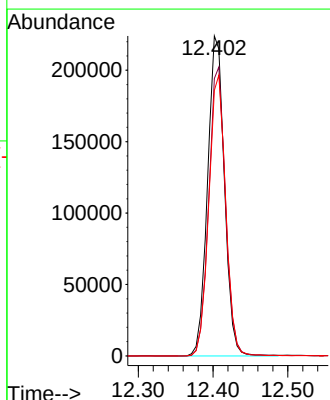
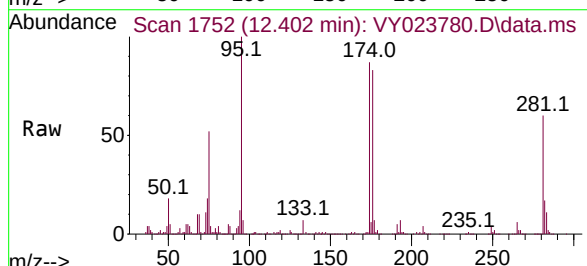
Tgt Ion: 95 Resp: 350378

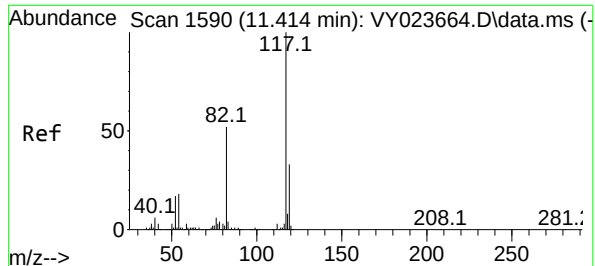
Ion Ratio Lower Upper

95 100

174 89.7 0.0 184.8

176 87.8 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

EME-TOP-SOIL

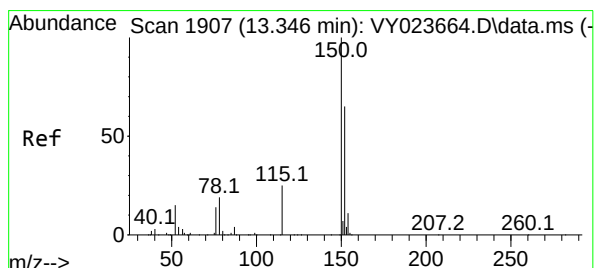
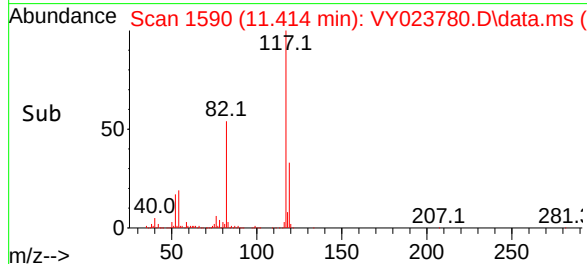
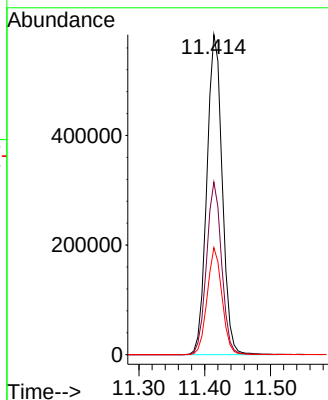
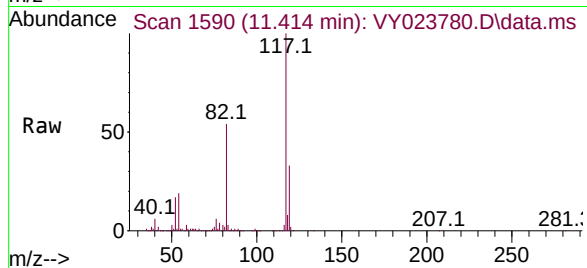
Tgt Ion:117 Resp: 948550

Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 33.4 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023780.D

Acq: 13 Nov 2025 12:38

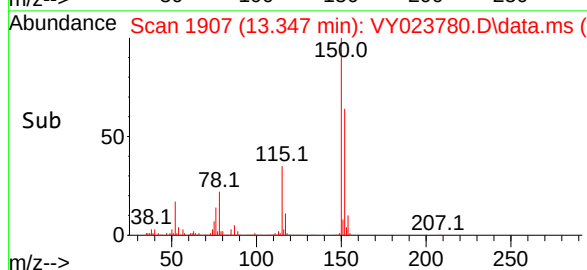
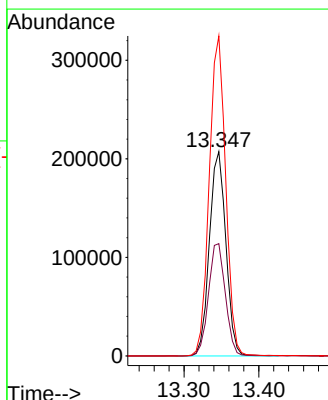
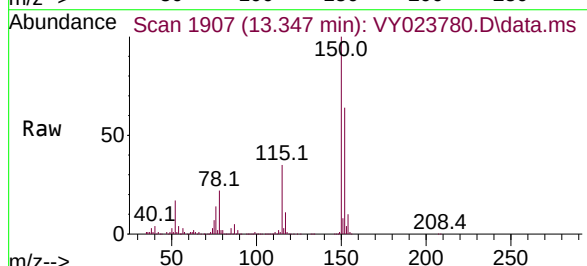
Tgt Ion:152 Resp: 319105

Ion Ratio Lower Upper

152 100

115 56.2 27.5 82.5

150 155.9 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

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\82Y110425S.M

Title : SW846 8260

Signal : TIC: VY023780.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	491	rBV	42836	142978	3.85%	0.746%
2	7.634	960	970	976	rBV2	541286	1334325	35.92%	6.963%
3	7.707	976	982	997	rVB	874909	2000985	53.87%	10.442%
4	8.061	1030	1040	1055	rBV	454905	1027228	27.66%	5.360%
5	8.616	1121	1131	1149	rBV	1362078	2710076	72.96%	14.142%
6	10.103	1367	1375	1388	rBV	2014851	3497361	94.16%	18.250%
7	11.414	1582	1590	1603	rBV	1712764	2761064	74.34%	14.408%
8	12.414	1744	1754	1764	rBV2	1900621	3714230	100.00%	19.382%
9	13.347	1890	1907	1914	rBV	1165725	1861523	50.12%	9.714%
10	13.883	1988	1995	2003	rVB	69302	113768	3.06%	0.594%

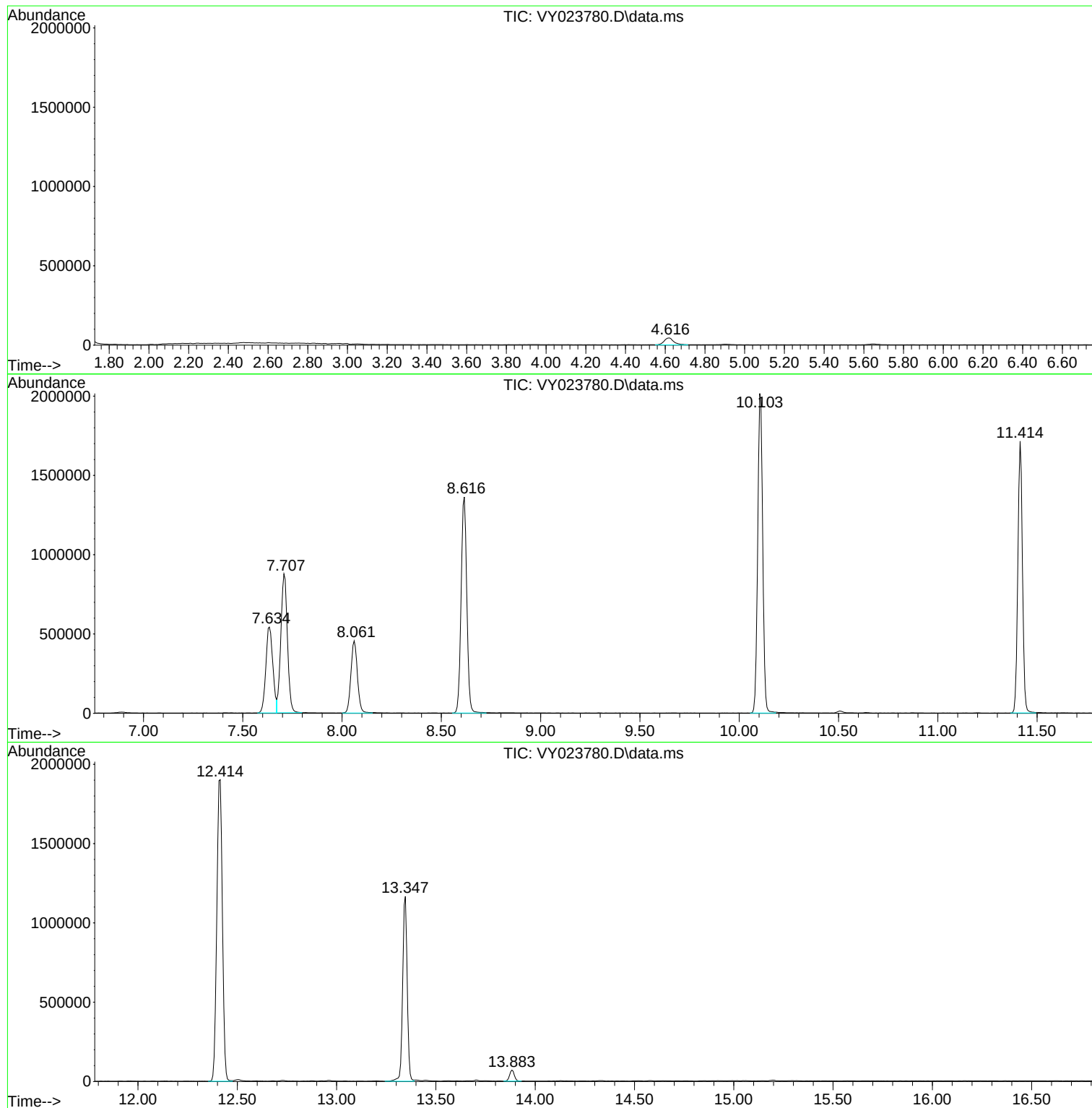
Sum of corrected areas: 19163538

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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\VY111325\
Data File : VY023780.D
Acq On : 13 Nov 2025 12:38
Operator : SY/MD
Sample : Q3618-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-TOP-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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: ENTACT
Project: Whittaker Coatings Site – E9125B
Client Sample ID: EME-GENERAL-FILL
Lab Sample ID: Q3618-02
Analytical Method: 8260D
Sample Wt/Vol: 7.05 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/12/25
Date Received: 11/12/25
SDG No.: Q3618
Matrix: SOIL
% Solid: 88.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.92	U	1	0.92	4.00	ug/Kg	11/13/25 13:01	VY111325
74-87-3	Chloromethane	0.92	U	1	0.92	4.00	ug/Kg	11/13/25 13:01	VY111325
75-01-4	Vinyl Chloride	0.64	U	1	0.64	4.00	ug/Kg	11/13/25 13:01	VY111325
74-83-9	Bromomethane	0.86	U	1	0.86	4.00	ug/Kg	11/13/25 13:01	VY111325
75-00-3	Chloroethane	1.00	U	1	1.00	4.00	ug/Kg	11/13/25 13:01	VY111325
75-69-4	Trichlorofluoromethane	0.97	U	1	0.97	4.00	ug/Kg	11/13/25 13:01	VY111325
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	1	0.85	4.00	ug/Kg	11/13/25 13:01	VY111325
75-35-4	1,1-Dichloroethene	0.80	U	1	0.80	4.00	ug/Kg	11/13/25 13:01	VY111325
67-64-1	Acetone	3.80	U	1	3.80	20.1	ug/Kg	11/13/25 13:01	VY111325
75-15-0	Carbon Disulfide	0.85	U	1	0.85	4.00	ug/Kg	11/13/25 13:01	VY111325
1634-04-4	Methyl tert-butyl Ether	0.59	U	1	0.59	4.00	ug/Kg	11/13/25 13:01	VY111325
79-20-9	Methyl Acetate	1.20	U	1	1.20	4.00	ug/Kg	11/13/25 13:01	VY111325
75-09-2	Methylene Chloride	6.70	J	1	2.80	8.00	ug/Kg	11/13/25 13:01	VY111325
156-60-5	trans-1,2-Dichloroethene	0.69	U	1	0.69	4.00	ug/Kg	11/13/25 13:01	VY111325
75-34-3	1,1-Dichloroethane	0.64	U	1	0.64	4.00	ug/Kg	11/13/25 13:01	VY111325
110-82-7	Cyclohexane	0.64	U	1	0.64	4.00	ug/Kg	11/13/25 13:01	VY111325
78-93-3	2-Butanone	5.30	U	1	5.30	20.1	ug/Kg	11/13/25 13:01	VY111325
56-23-5	Carbon Tetrachloride	0.78	U	1	0.78	4.00	ug/Kg	11/13/25 13:01	VY111325
156-59-2	cis-1,2-Dichloroethene	0.60	U	1	0.60	4.00	ug/Kg	11/13/25 13:01	VY111325
74-97-5	Bromochloromethane	0.92	U	1	0.92	4.00	ug/Kg	11/13/25 13:01	VY111325
67-66-3	Chloroform	0.68	U	1	0.68	4.00	ug/Kg	11/13/25 13:01	VY111325
71-55-6	1,1,1-Trichloroethane	0.75	U	1	0.75	4.00	ug/Kg	11/13/25 13:01	VY111325
108-87-2	Methylcyclohexane	0.73	U	1	0.73	4.00	ug/Kg	11/13/25 13:01	VY111325
71-43-2	Benzene	0.64	U	1	0.64	4.00	ug/Kg	11/13/25 13:01	VY111325
107-06-2	1,2-Dichloroethane	0.64	U	1	0.64	4.00	ug/Kg	11/13/25 13:01	VY111325
79-01-6	Trichloroethene	0.65	U	1	0.65	4.00	ug/Kg	11/13/25 13:01	VY111325
78-87-5	1,2-Dichloropropane	0.73	U	1	0.73	4.00	ug/Kg	11/13/25 13:01	VY111325
75-27-4	Bromodichloromethane	0.63	U	1	0.63	4.00	ug/Kg	11/13/25 13:01	VY111325
108-10-1	4-Methyl-2-Pentanone	2.90	U	1	2.90	20.1	ug/Kg	11/13/25 13:01	VY111325
108-88-3	Toluene	0.63	U	1	0.63	4.00	ug/Kg	11/13/25 13:01	VY111325
10061-02-6	t-1,3-Dichloropropene	0.52	U	1	0.52	4.00	ug/Kg	11/13/25 13:01	VY111325
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.50	4.00	ug/Kg	11/13/25 13:01	VY111325
79-00-5	1,1,2-Trichloroethane	0.74	U	1	0.74	4.00	ug/Kg	11/13/25 13:01	VY111325
591-78-6	2-Hexanone	3.00	U	1	3.00	20.1	ug/Kg	11/13/25 13:01	VY111325
124-48-1	Dibromochloromethane	0.70	U	1	0.70	4.00	ug/Kg	11/13/25 13:01	VY111325
106-93-4	1,2-Dibromoethane	0.71	U	1	0.71	4.00	ug/Kg	11/13/25 13:01	VY111325
127-18-4	Tetrachloroethene	0.84	U	1	0.84	4.00	ug/Kg	11/13/25 13:01	VY111325
108-90-7	Chlorobenzene	0.73	U	1	0.73	4.00	ug/Kg	11/13/25 13:01	VY111325
100-41-4	Ethyl Benzene	0.54	U	1	0.54	4.00	ug/Kg	11/13/25 13:01	VY111325
179601-23-1	m/p-Xylenes	1.00	U	1	1.00	8.00	ug/Kg	11/13/25 13:01	VY111325
95-47-6	o-Xylene	0.66	U	1	0.66	4.00	ug/Kg	11/13/25 13:01	VY111325
100-42-5	Styrene	0.57	U	1	0.57	4.00	ug/Kg	11/13/25 13:01	VY111325
75-25-2	Bromoform	0.69	U	1	0.69	4.00	ug/Kg	11/13/25 13:01	VY111325



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

Report of Analysis

Client:	ENTACT	Date Collected:	11/12/25
Project:	Whittaker Coatings Site – E9125B	Date Received:	11/12/25
Client Sample ID:	EME-GENERAL-FILL	SDG No.:	Q3618
Lab Sample ID:	Q3618-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.2
Sample Wt/Vol:	7.05 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.63	U	1	0.63	4.00	ug/Kg	11/13/25 13:01	VY111325
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	1	0.97	4.00	ug/Kg	11/13/25 13:01	VY111325
541-73-1	1,3-Dichlorobenzene	1.40	U	1	1.40	4.00	ug/Kg	11/13/25 13:01	VY111325
106-46-7	1,4-Dichlorobenzene	1.30	U	1	1.30	4.00	ug/Kg	11/13/25 13:01	VY111325
95-50-1	1,2-Dichlorobenzene	1.20	U	1	1.20	4.00	ug/Kg	11/13/25 13:01	VY111325
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1	1.50	4.00	ug/Kg	11/13/25 13:01	VY111325
120-82-1	1,2,4-Trichlorobenzene	2.40	U	1	2.40	4.00	ug/Kg	11/13/25 13:01	VY111325
87-61-6	1,2,3-Trichlorobenzene	2.60	U	1	2.60	4.00	ug/Kg	11/13/25 13:01	VY111325

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	63.7			63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0			70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7			52 - 138	89%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	750000
540-36-3	1,4-Difluorobenzene	1340000
3114-55-4	Chlorobenzene-d5	1140000
3855-82-1	1,4-Dichlorobenzene-d4	438000

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\VY111325\
 Data File : VY023781.D
 Acq On : 13 Nov 2025 13:01
 Operator : SY/MD
 Sample : Q3618-02
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EME-GENERAL-FILL

Quant Time: Nov 14 04:25:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

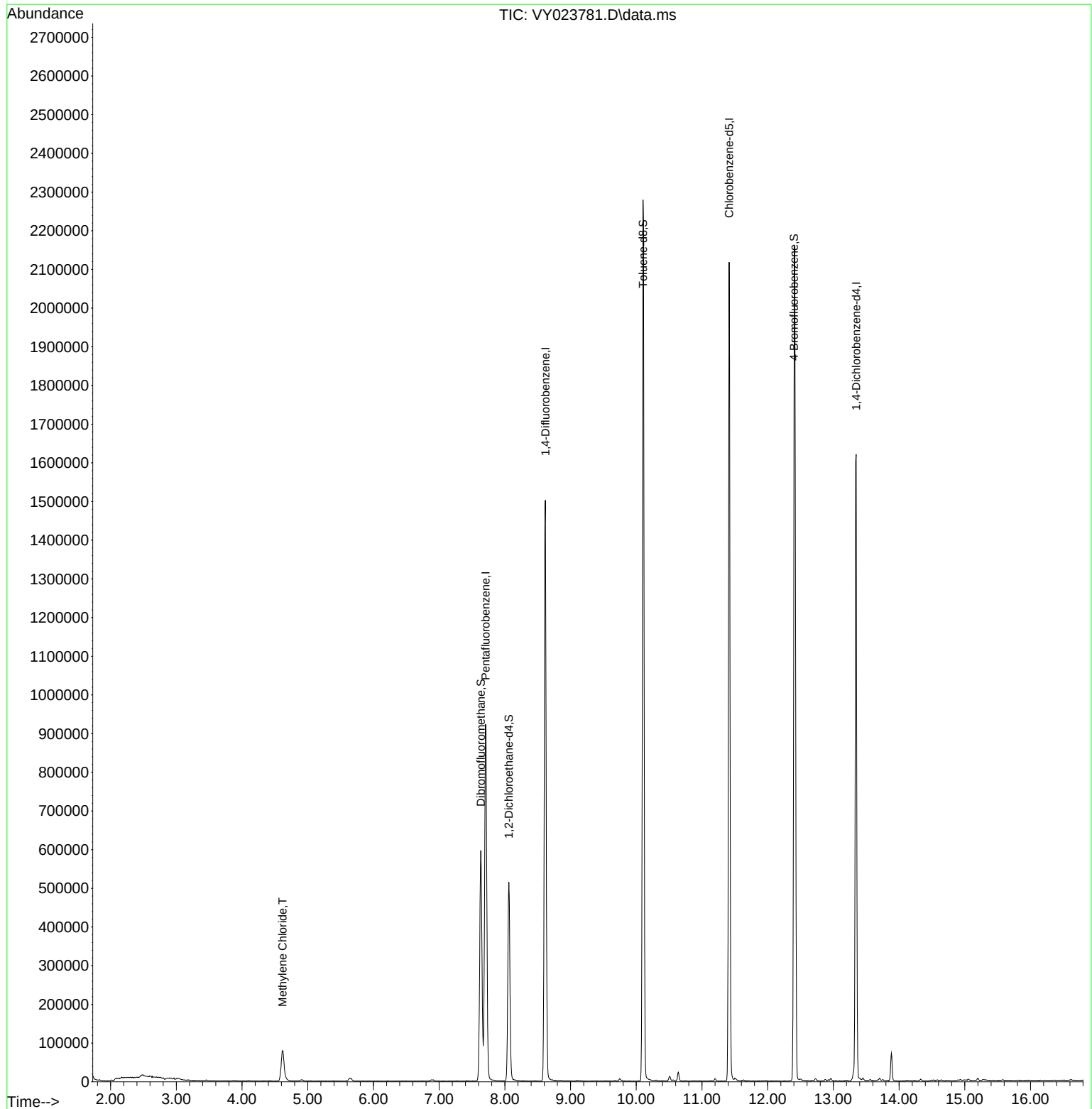
Internal Standards						
1) Pentafluorobenzene	7.707	168	750284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1336736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1138969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	437964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	407415	63.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.320%
35) Dibromofluoromethane	7.634	113	434694	52.036	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.080%
50) Toluene-d8	10.103	98	1533898	49.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.401	95	449949	44.712	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.420%
Target Compounds						
20) Methylene Chloride	4.616	84	64227	8.363	ug/l	Qvalue 97

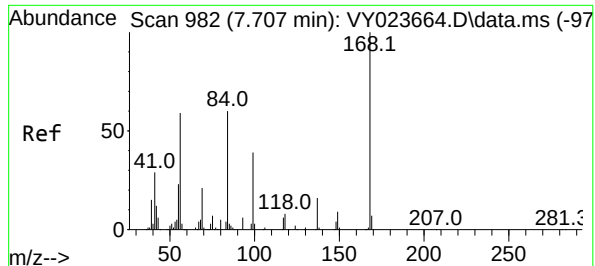
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023781.D
Acq On : 13 Nov 2025 13:01
Operator : SY/MD
Sample : Q3618-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

Quant Time: Nov 14 04:25:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

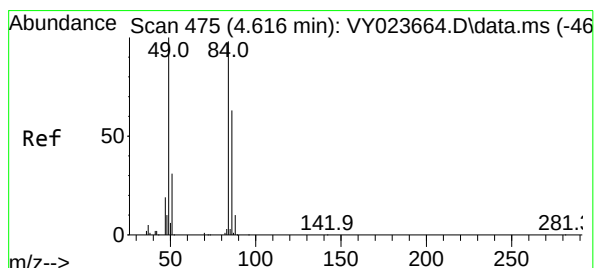
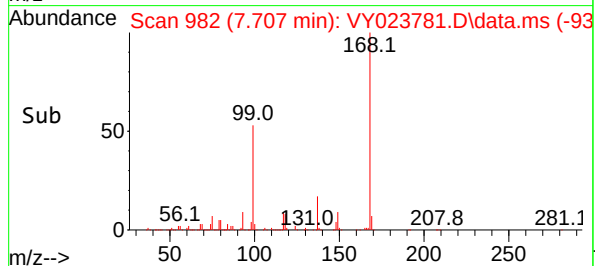
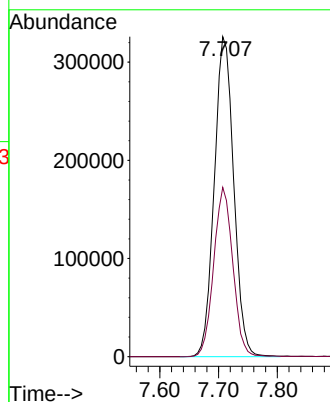
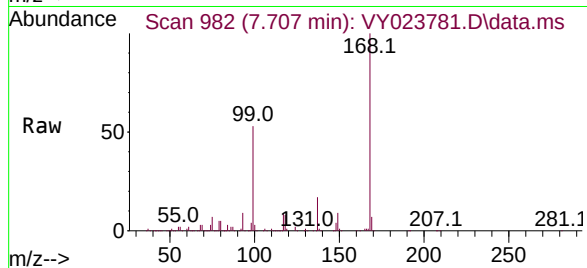




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023781.D
Acq: 13 Nov 2025 13:01

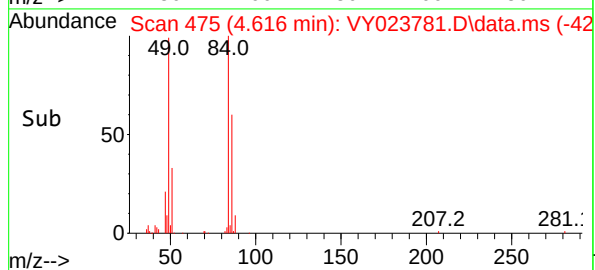
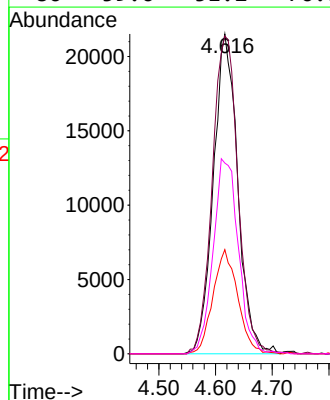
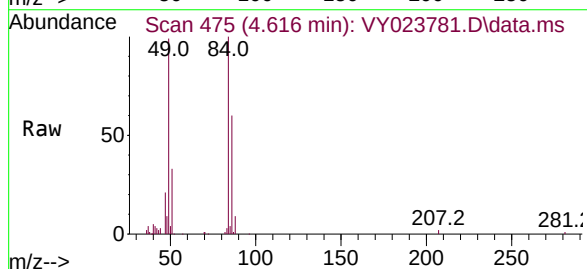
Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

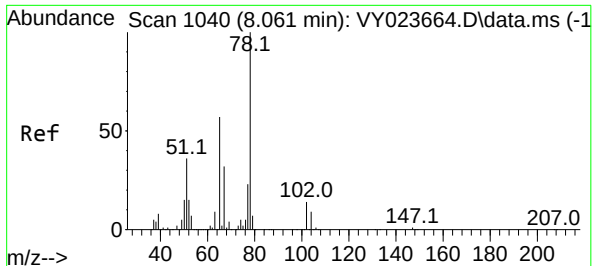
Tgt Ion:168 Resp: 750284
Ion Ratio Lower Upper
168 100
99 52.9 41.0 61.4



#20
Methylene Chloride
Concen: 8.363 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023781.D
Acq: 13 Nov 2025 13:01

Tgt Ion: 84 Resp: 64227
Ion Ratio Lower Upper
84 100
49 99.4 81.5 122.3
51 32.6 25.5 38.3
86 59.6 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 63.658 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023781.D

Acq: 13 Nov 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

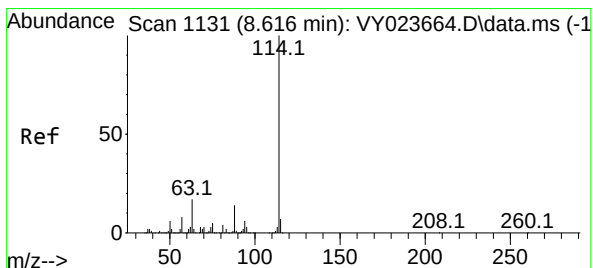
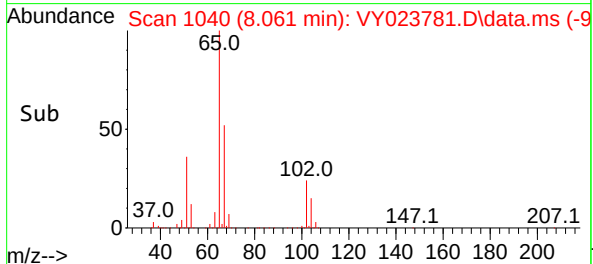
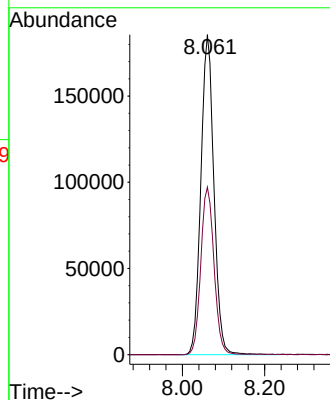
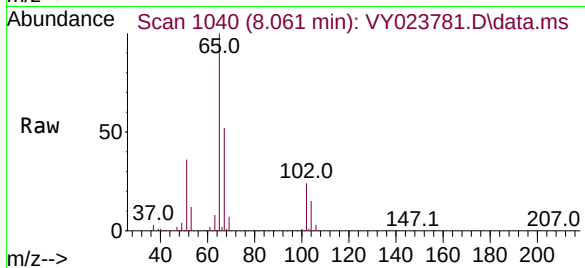
EME-GENERAL-FILL

Tgt Ion: 65 Resp: 407415

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023781.D

Acq: 13 Nov 2025 13:01

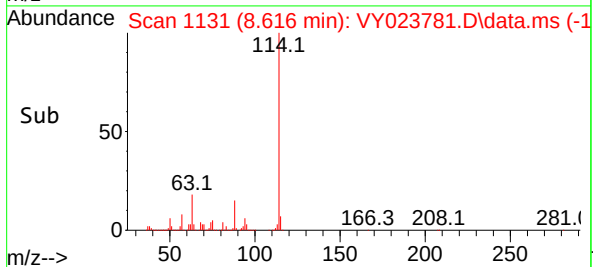
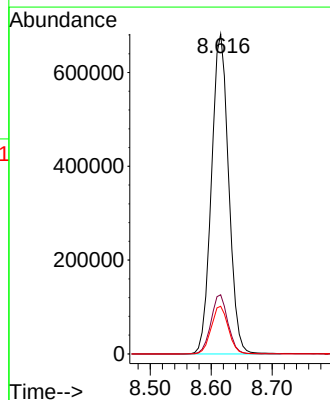
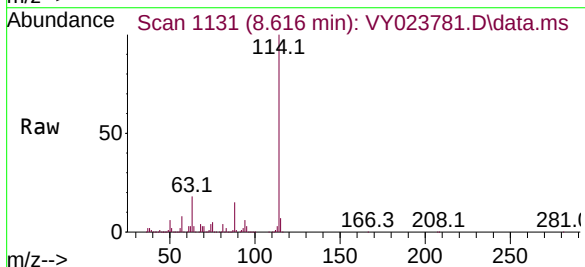
Tgt Ion: 114 Resp: 1336736

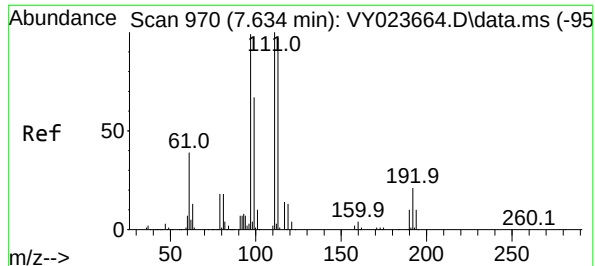
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.8

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.036 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023781.D

Acq: 13 Nov 2025 13:01

Instrument :

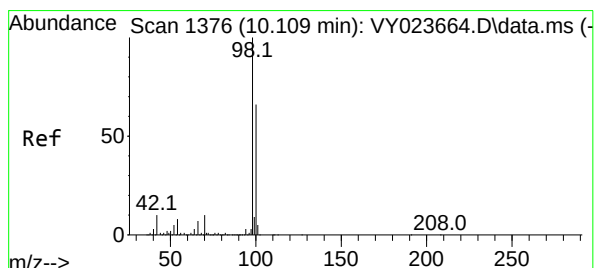
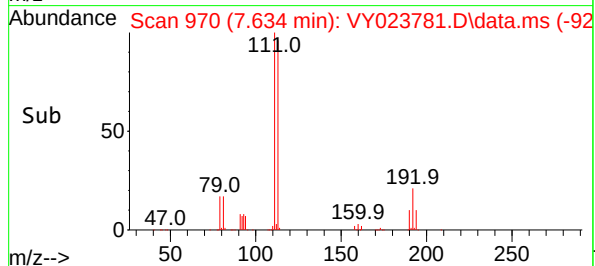
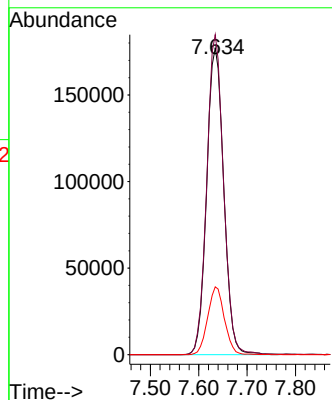
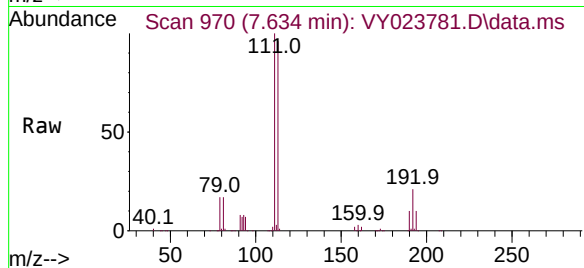
MSVOA_Y

ClientSampleId :

EME-GENERAL-FILL

Tgt Ion:113 Resp: 434694

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.6	17.3	25.9



#50

Toluene-d8

Concen: 49.293 ug/l

RT: 10.103 min Scan# 1375

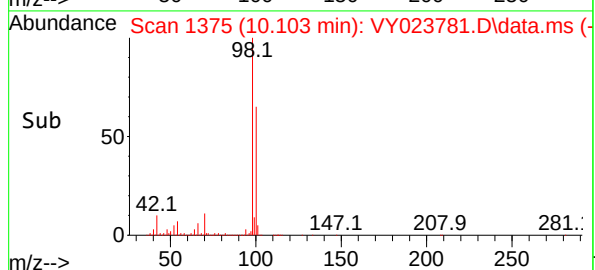
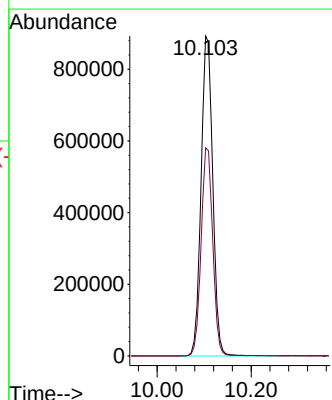
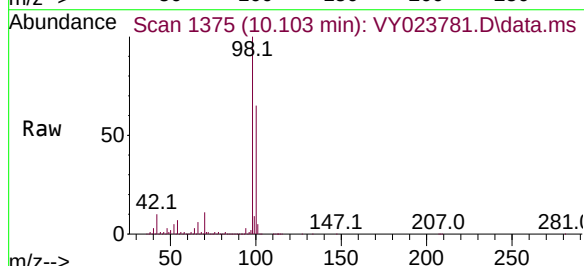
Delta R.T. -0.006 min

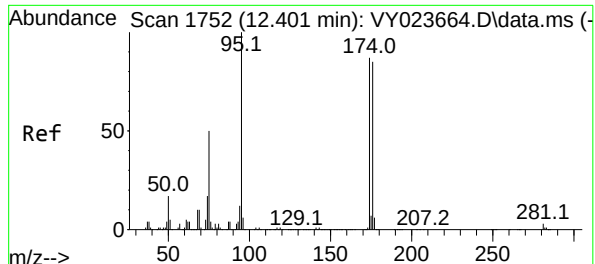
Lab File: VY023781.D

Acq: 13 Nov 2025 13:01

Tgt Ion: 98 Resp: 1533898

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

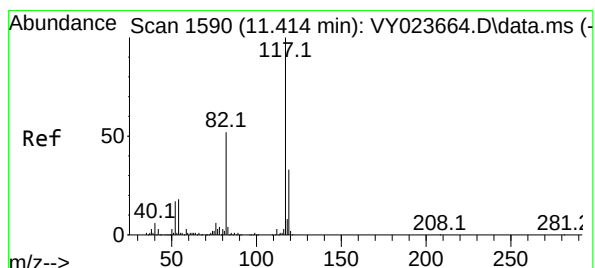
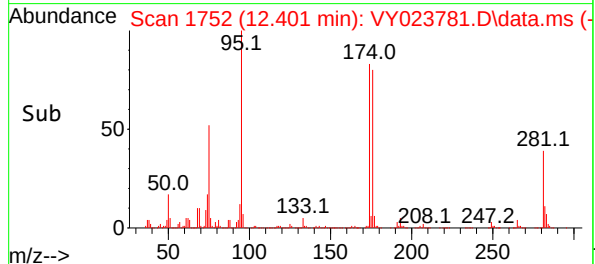
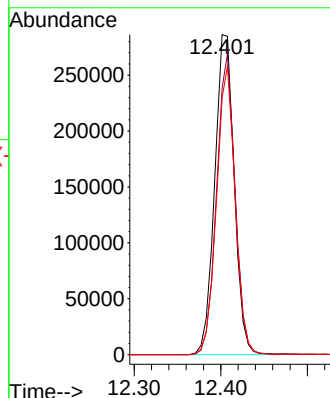
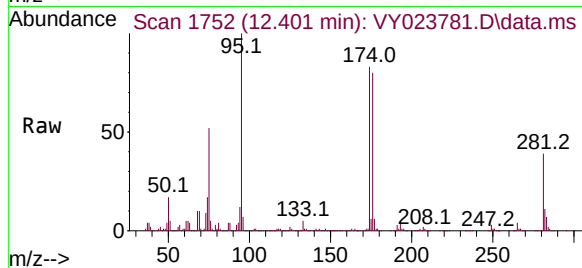




#62
4-Bromofluorobenzene
Concen: 44.712 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023781.D
Acq: 13 Nov 2025 13:01

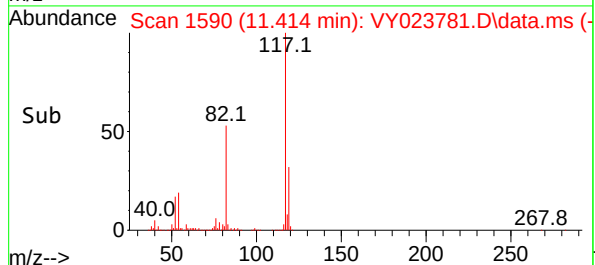
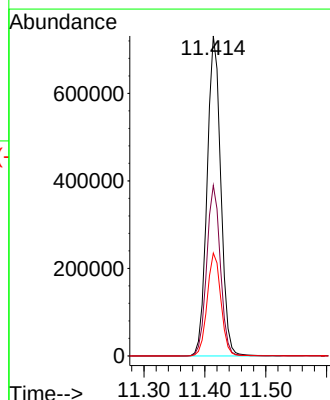
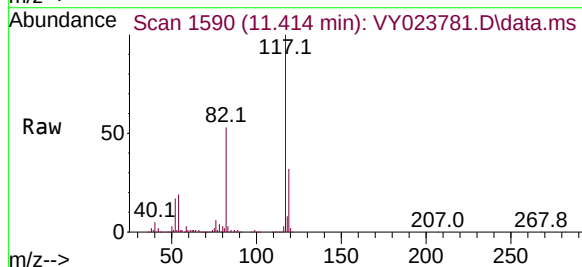
Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

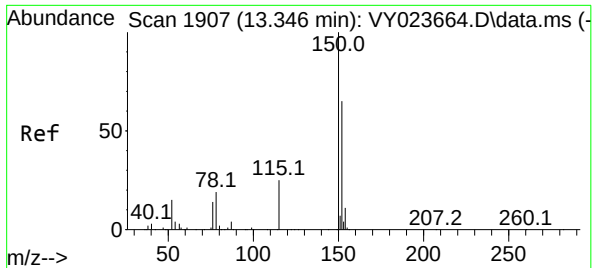
Tgt Ion: 95 Resp: 449949
Ion Ratio Lower Upper
95 100
174 89.2 0.0 184.8
176 86.0 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023781.D
Acq: 13 Nov 2025 13:01

Tgt Ion: 117 Resp: 1138969
Ion Ratio Lower Upper
117 100
82 53.3 41.2 61.8
119 32.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. -0.000 min

Lab File: VY023781.D

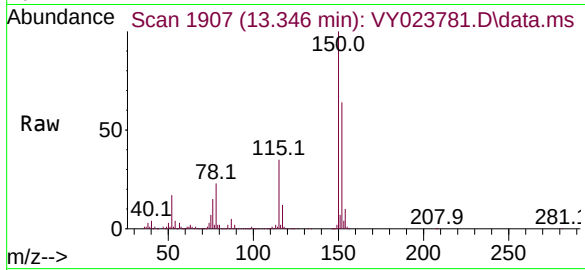
Acq: 13 Nov 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

EME-GENERAL-FILL



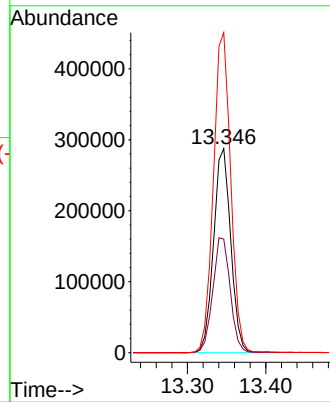
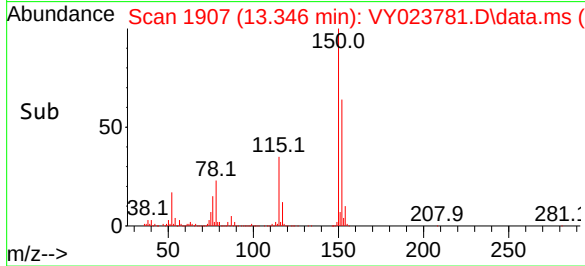
Tgt Ion:152 Resp: 437964

Ion	Ratio	Lower	Upper

152	100		

115	57.2	27.5	82.5

150	158.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023781.D
Acq On : 13 Nov 2025 13:01
Operator : SY/MD
Sample : Q3618-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

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\82Y110425S.M

Title : SW846 8260

Signal : TIC: VY023781.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	463	475	492	rBV	78681	261476	6.49%	1.197%
2	7.634	956	970	976	rBV	596217	1437894	35.71%	6.581%
3	7.707	976	982	998	rVB	920033	2110522	52.41%	9.659%
4	8.061	1031	1040	1053	rBV	513787	1142539	28.37%	5.229%
5	8.616	1121	1131	1148	rBV	1501482	2955036	73.38%	13.525%
6	10.103	1368	1375	1403	rBV	2277306	3923790	97.44%	17.958%
7	11.414	1582	1590	1601	rBV	2116672	3303271	82.03%	15.118%
8	12.408	1742	1753	1765	rBV2	2156853	4026887	100.00%	18.430%
9	13.346	1891	1907	1914	rBV	1619895	2569892	63.82%	11.762%
10	13.883	1988	1995	2002	rBV	71518	118140	2.93%	0.541%

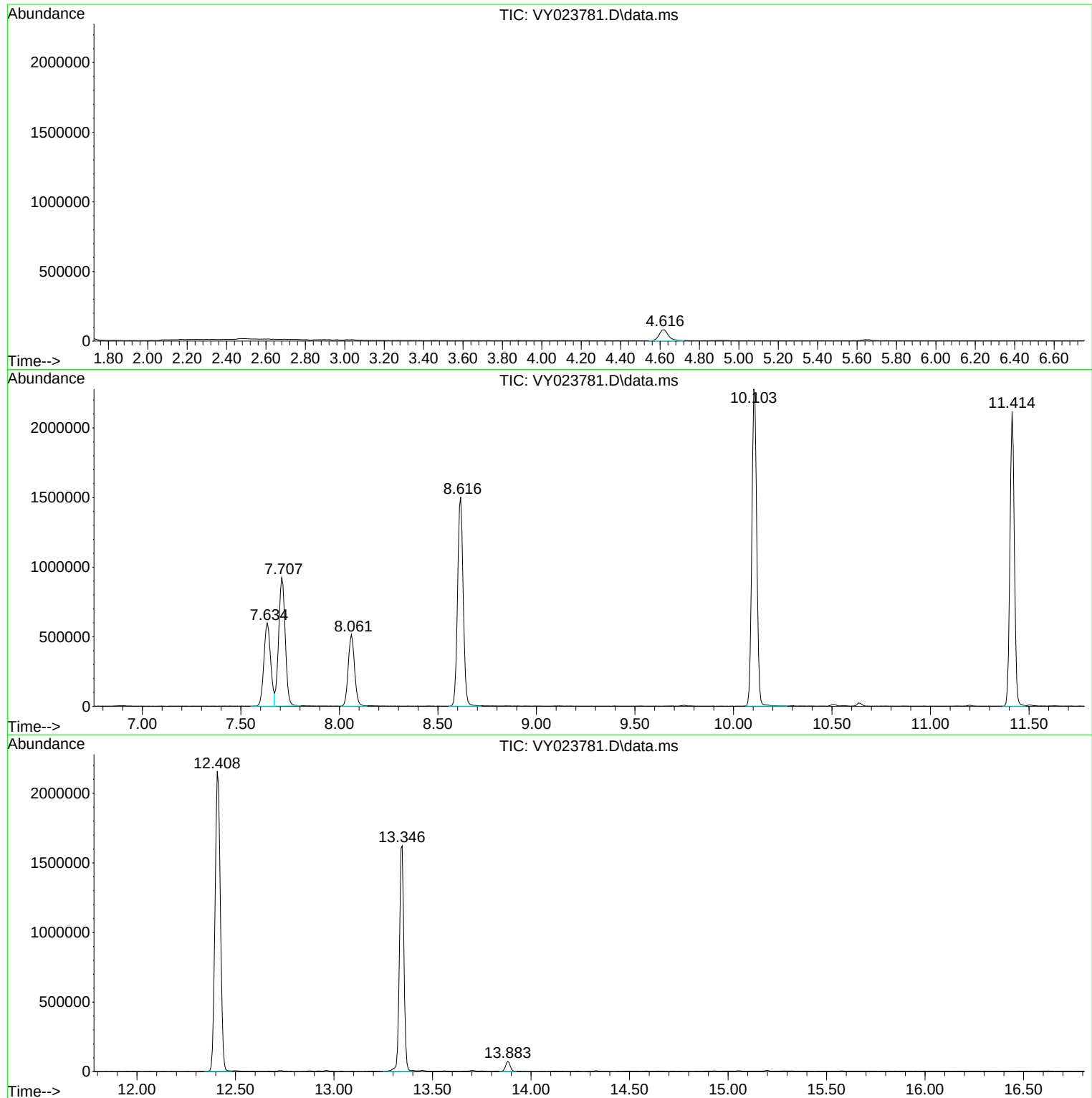
Sum of corrected areas: 21849447

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023781.D
Acq On : 13 Nov 2025 13:01
Operator : SY/MD
Sample : Q3618-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023781.D
Acq On : 13 Nov 2025 13:01
Operator : SY/MD
Sample : Q3618-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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\VY111325\
Data File : VY023781.D
Acq On : 13 Nov 2025 13:01
Operator : SY/MD
Sample : Q3618-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EME-GENERAL-FILL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG No.: Q3618

Instrument ID: MSVOA_Y

Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 09:19 11:27

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

LAB FILE ID:		RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D			
		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.9	
Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.4	
Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.7	
Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.5	
Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.1	
Trichlorofluoromethane	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.2	
1,1,2-Trichlorotrifluoroethane	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.1	
1,1-Dichloroethene	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.2	
Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.4	
Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.3	
Methyl tert-butyl Ether	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.8	
Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.4	
Methylene Chloride	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.1	
trans-1,2-Dichloroethene	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.3	
1,1-Dichloroethane	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.3	
Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.8	
2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.8	
Carbon Tetrachloride	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.2	
cis-1,2-Dichloroethene	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.4	
Bromochloromethane	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.7	
Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.1	
1,1,1-Trichloroethane	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.7	
Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.8	
Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.6	
1,2-Dichloroethane	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.3	
Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.8	
1,2-Dichloropropane	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.6	
Bromodichloromethane	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3	
4-Methyl-2-Pentanone	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.8	
Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.7	

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q3618
 Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D			
		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.2	
cis-1,3-Dichloropropene	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.1	
1,1,2-Trichloroethane	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.5	
2-Hexanone	0.101	0.099	0.127	0.115	0.132	0.133	0.118	12.9	
Dibromochloromethane	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.7	
1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.3	
Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.9	
Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.089	2	
Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.6	
m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.1	
o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9	
Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.1	
Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.5	
Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.6	
1,1,2,2-Tetrachloroethane	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6	
1,3-Dichlorobenzene	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.3	
1,4-Dichlorobenzene	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.5	
1,2-Dichlorobenzene	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.1	
1,2-Dibromo-3-Chloropropane	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.7	
1,2,4-Trichlorobenzene	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.5	
1,2,3-Trichlorobenzene	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.9	
1,2-Dichloroethane-d4	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.3	
Dibromofluoromethane	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.2	
Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.3	
4-Bromofluorobenzene	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5	

* 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 : 82Y110425S.M
 Title : SW846 8260
 Last Update : Wed Nov 05 04:41:50 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023661.D 10 =VY023662.D 20 =VY023663.D 50 =VY023664.D 100 =VY023665.D 150 =VY023666.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.90
3) P	Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.38
4) C	Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.68#
5) T	Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.53
6) T	Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.08
7) T	Trichlorofluor...	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.25
8) T	Diethyl Ether	0.232	0.228	0.232	0.212	0.230	0.219	0.226	3.58
9) T	1,1,2-Trichlor...	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.09
10) T	Methyl Iodide	0.491	0.546	0.558	0.573	0.585	0.533	0.548	6.10
11) T	Tert butyl alc...	0.035	0.027	0.027	0.023	0.026	0.027	0.028	15.05
12) CM	1,1-Dichloroet...	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.23#
13) T	Acrolein	0.041	0.036	0.039	0.030	0.034	0.033	0.035	12.04
14) T	Allyl chloride	0.530	0.534	0.549	0.527	0.577	0.545	0.544	3.38
15) T	Acrylonitrile	0.087	0.079	0.090	0.081	0.092	0.089	0.086	5.76
16) T	Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.41
17) T	Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.32
18) T	Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.40
19) T	Methyl tert-bu...	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.81
20) T	Methylene Chlo...	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.09
21) T	trans-1,2-Dich...	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.29
22) T	Diisopropyl ether	1.097	1.167	1.263	1.222	1.305	1.215	1.212	6.04
23) T	Vinyl Acetate	0.585	0.589	0.631	0.652	0.716	0.706	0.647	8.69
24) P	1,1-Dichloroet...	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.27
25) T	2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.79
26) T	2,2-Dichloropr...	0.799	0.758	0.742	0.709	0.739	0.708	0.742	4.56
27) T	cis-1,2-Dichlo...	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.42
28) T	Bromochloromet...	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.68
29) T	Tetrahydrofuran	0.061	0.059	0.068	0.062	0.072	0.070	0.065	8.58
30) C	Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.14#
31) T	Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.77
32) T	1,1,1-Trichlor...	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.72
33) S	1,2-Dichloroet...	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.23
36) T	1,1-Dichloropr...	0.426	0.416	0.427	0.409	0.422	0.405	0.418	2.15
37) T	Ethyl Acetate	0.158	0.151	0.161	0.155	0.173	0.172	0.162	5.64
38) T	Carbon Tetrach...	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.21
39) T	Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.79
40) TM	Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.60
41) T	Methacrylonitrile	0.083	0.079	0.086	0.084	0.098	0.100	0.088	9.67
42) TM	1,2-Dichloroet...	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.29
43) T	Isopropyl Acetate	0.280	0.267	0.306	0.295	0.336	0.338	0.304	9.59
44) TM	Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.81
45) C	1,2-Dichloropr...	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.56#
46) T	Dibromomethane	0.183	0.172	0.191	0.173	0.185	0.176	0.180	4.19
47) T	Bromodichlorom...	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3.01
48) T	Methyl methacr...	0.119	0.117	0.146	0.146	0.165	0.169	0.143	15.27
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.93
50) S	Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.34
51) T	4-Methyl-2-Pen...	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.80
52) CM	Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.74#
53) T	t-1,3-Dichloro...	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.18
54) T	cis-1,3-Dichlo...	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.13
55) T	1,1,2-Trichlor...	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.46
56) T	Ethyl methacry...	0.208	0.204	0.261	0.276	0.318	0.323	0.265	19.45

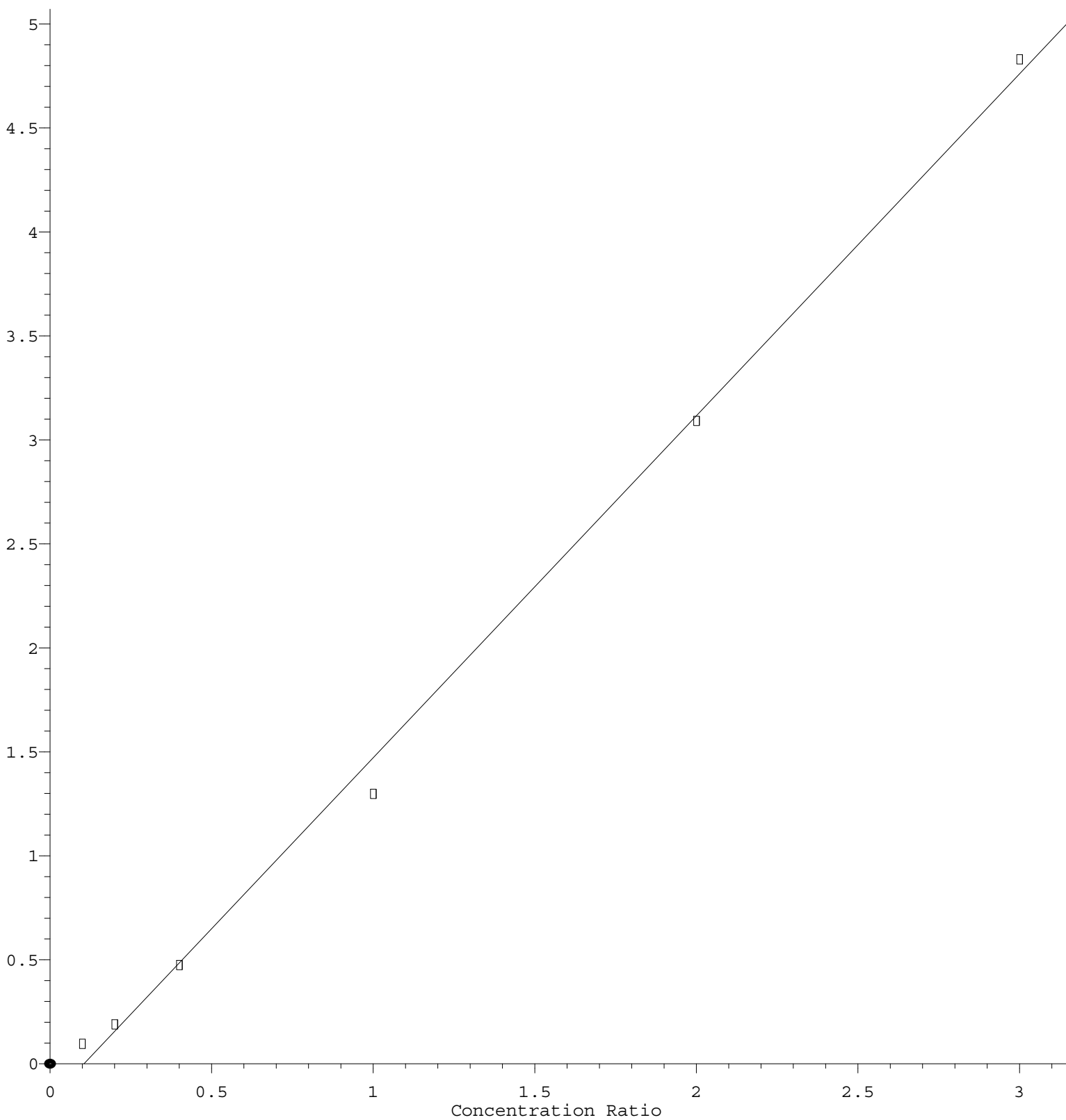
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110425S.M

57)	T	1,3-Dichloropr...	0.375	0.363	0.401	0.376	0.399	0.376	0.381	3.94
58)	T	2-Chloroethyl ...	0.094	0.097	0.119	0.127	0.146	0.146	0.122	18.71
59)	T	2-Hexanone	0.101	0.099	0.127	0.114	0.132	0.133	0.118	12.88
60)	T	Dibromochlorom...	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.67
61)	T	1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.28
62)	S	4-Bromofluorob...	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5.04
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.87
65)	PM	Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.088	1.97
66)	T	1,1,1,2-Tetrac...	0.396	0.380	0.387	0.377	0.394	0.376	0.385	2.25
67)	C	Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.59#
68)	T	m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.13
69)	T	o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9.02
70)	T	Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.12
71)	P	Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.47
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.55
74)	T	N-amyl acetate	0.455	0.481	0.523	0.577	0.663	0.698	0.566	17.36
75)	P	1,1,2,2-Tetrac...	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6.05
76)	T	1,2,3-Trichlor...	0.403	0.453	0.410	0.373	0.397	0.391	0.405	6.62
77)	T	Bromobenzene	0.837	0.855	0.850	0.862	0.915	0.885	0.867	3.25
78)	T	n-propylbenzene	3.526	3.781	3.927	4.085	4.205	4.076	3.933	6.30
79)	T	2-Chlorotoluene	2.100	2.244	2.288	2.325	2.407	2.332	2.283	4.58
80)	T	1,3,5-Trimethy...	2.330	2.604	2.734	2.834	2.943	2.857	2.717	8.18
81)	T	trans-1,4-Dich...	0.173	0.169	0.172	0.172	0.192	0.196	0.179	6.63
82)	T	4-Chlorotoluene	2.193	2.325	2.382	2.387	2.455	2.383	2.354	3.79
83)	T	tert-Butylbenzene	2.172	2.326	2.402	2.558	2.717	2.674	2.475	8.56
84)	T	1,2,4-Trimethy...	2.248	2.601	2.701	2.819	2.931	2.846	2.691	9.13
85)	T	sec-Butylbenzene	3.176	3.473	3.539	3.675	3.830	3.722	3.569	6.47
86)	T	p-Isopropyltol...	2.577	2.830	3.007	3.166	3.291	3.258	3.022	9.17
87)	T	1,3-Dichlorobe...	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.28
88)	T	1,4-Dichlorobe...	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.49
89)	T	n-Butylbenzene	2.293	2.441	2.557	2.752	2.877	2.844	2.627	8.95
90)	T	Hexachloroethane	0.657	0.656	0.632	0.639	0.664	0.648	0.649	1.85
91)	T	1,2-Dichlorobe...	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.12
92)	T	1,2-Dibromo-3-...	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.72
93)	T	1,2,4-Trichlor...	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.46
94)	T	Hexachlorobuta...	0.561	0.551	0.538	0.552	0.560	0.546	0.551	1.58
95)	T	Naphthalene	0.956	0.948	1.187	1.298	1.546	1.610	1.257	22.51
96)	T	1,2,3-Trichlor...	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.93

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.644\text{e}+000 * \text{Amt} - 1.730\text{e}-001$$

Coef of Det (r^2) = 0.997394 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110425S.M

Calibration Table Last Updated: Wed Nov 05 04:41:50 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023661.D
 Acq On : 04 Nov 2025 09:19
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:24:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	510707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	780075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	667589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	326953	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	23922	5.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.980%#
35) Dibromofluoromethane	7.640	113	24311	4.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.980%#
50) Toluene-d8	10.109	98	86542	4.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.540%#
62) 4-Bromofluorobenzene	12.402	95	27590	4.698	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.400%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	19990	5.963	ug/l	97
3) Chloromethane	2.074	50	27439	5.849	ug/l	91
4) Vinyl Chloride	2.208	62	34731	5.689	ug/l	99
5) Bromomethane	2.599	94	29962	5.835	ug/l	98
6) Chloroethane	2.739	64	23388	5.543	ug/l	97
7) Trichlorofluoromethane	3.062	101	47868	5.568	ug/l	95
8) Diethyl Ether	3.464	74	11851	5.140	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	26531	5.601	ug/l	99
10) Methyl Iodide	4.007	142	25054	4.479	ug/l	99
11) Tert butyl alcohol	4.860	59	9027	32.136	ug/l #	74
12) 1,1-Dichloroethene	3.800	96	24289	5.323	ug/l	89
13) Acrolein	3.653	56	10439	28.913	ug/l	98
14) Allyl chloride	4.385	41	27044	4.869	ug/l	99
15) Acrylonitrile	5.068	53	22096	25.078	ug/l	100
16) Acetone	3.867	43	29389	27.140	ug/l	89
17) Carbon Disulfide	4.110	76	75554	5.395	ug/l	96
18) Methyl Acetate	4.391	43	11286	4.725	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	50027	4.728	ug/l	97
20) Methylene Chloride	4.623	84	33305	6.371	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	26157	5.084	ug/l	96
22) Diisopropyl ether	6.025	45	56019	4.527	ug/l	95
23) Vinyl Acetate	5.970	43	149457	22.631	ug/l	97
24) 1,1-Dichloroethane	5.915	63	43679	5.298	ug/l	99
25) 2-Butanone	6.897	43	32720	26.134	ug/l	93
26) 2,2-Dichloropropane	6.884	77	40803	5.380	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	29179	4.966	ug/l	98
28) Bromochloromethane	7.250	49	16184	5.127	ug/l	96
29) Tetrahydrofuran	7.275	42	15473	23.206	ug/l	96
30) Chloroform	7.427	83	48896	5.316	ug/l	93
31) Cyclohexane	7.707	56	40292	5.612	ug/l #	75
32) 1,1,1-Trichloroethane	7.616	97	43512	5.292	ug/l	100
36) 1,1-Dichloropropene	7.835	75	33214	5.099	ug/l	99
37) Ethyl Acetate	6.994	43	12363	4.902	ug/l	96
38) Carbon Tetrachloride	7.823	117	40263	5.246	ug/l	99
39) Methylcyclohexane	9.110	83	38956	4.680	ug/l	95
40) Benzene	8.079	78	103199	5.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023661.D
 Acq On : 04 Nov 2025 09:19
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:24:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	6457	4.800	ug/l #	72
42) 1,2-Dichloroethane	8.159	62	26761	5.151	ug/l	99
43) Isopropyl Acetate	8.195	43	21814	4.604	ug/l	96
44) Trichloroethene	8.866	130	31010	5.258	ug/l	88
45) 1,2-Dichloropropane	9.140	63	22961	5.067	ug/l	93
46) Dibromomethane	9.238	93	14269	5.082	ug/l	99
47) Bromodichloromethane	9.427	83	35539	5.020	ug/l	95
48) Methyl methacrylate	9.225	41	9263	4.138	ug/l	94
49) 1,4-Dioxane	9.225	88	2794	97.232	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	55920	22.192	ug/l	96
52) Toluene	10.170	92	59389	4.530	ug/l	95
53) t-1,3-Dichloropropene	10.396	75	27017	4.510	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	32719	4.559	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	19045	5.075	ug/l	98
56) Ethyl methacrylate	10.439	69	16257	3.932	ug/l	95
57) 1,3-Dichloropropane	10.719	76	29234	4.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	36528	19.254	ug/l	100
59) 2-Hexanone	10.762	43	39473	21.472	ug/l	95
60) Dibromochloromethane	10.908	129	25371	4.921	ug/l	98
61) 1,2-Dibromoethane	11.018	107	17256	4.900	ug/l	99
64) Tetrachloroethene	10.646	164	36969	5.320	ug/l	98
65) Chlorobenzene	11.438	112	73160	5.034	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	26429	5.143	ug/l	99
67) Ethyl Benzene	11.518	91	106047	4.508	ug/l	99
68) m/p-Xylenes	11.627	106	82562	8.785	ug/l	99
69) o-Xylene	11.951	106	37501	4.317	ug/l	98
70) Styrene	11.969	104	60258	4.204	ug/l	99
71) Bromoform	12.133	173	14838	4.944	ug/l #	99
73) Isopropylbenzene	12.255	105	96120	4.396	ug/l	99
74) N-amyl acetate	12.066	43	14878	4.019	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	18096	5.181	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	13170m	4.977	ug/l	
77) Bromobenzene	12.530	156	27375	4.826	ug/l	96
78) n-propylbenzene	12.591	91	115286	4.482	ug/l	99
79) 2-Chlorotoluene	12.676	91	68648	4.599	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	76176	4.288	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5654	4.829	ug/l	95
82) 4-Chlorotoluene	12.774	91	71686	4.657	ug/l	98
83) tert-Butylbenzene	12.993	119	70998	4.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	73513	4.177	ug/l	99
85) sec-Butylbenzene	13.176	105	103852	4.450	ug/l	99
86) p-Isopropyltoluene	13.292	119	84269	4.265	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	54916	4.919	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	57281	5.223	ug/l	95
89) n-Butylbenzene	13.615	91	74974	4.364	ug/l	99
90) Hexachloroethane	13.877	117	21483	5.060	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	47997	4.989	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2763	5.138	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	24126	4.384	ug/l	98
94) Hexachlorobutadiene	15.023	225	18339	5.086	ug/l	98
95) Naphthalene	15.145	128	31252	8.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20253	4.405	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023661.D
Acq On : 04 Nov 2025 09:19
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:24:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023661.D
 Acq On : 04 Nov 2025 09:19
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

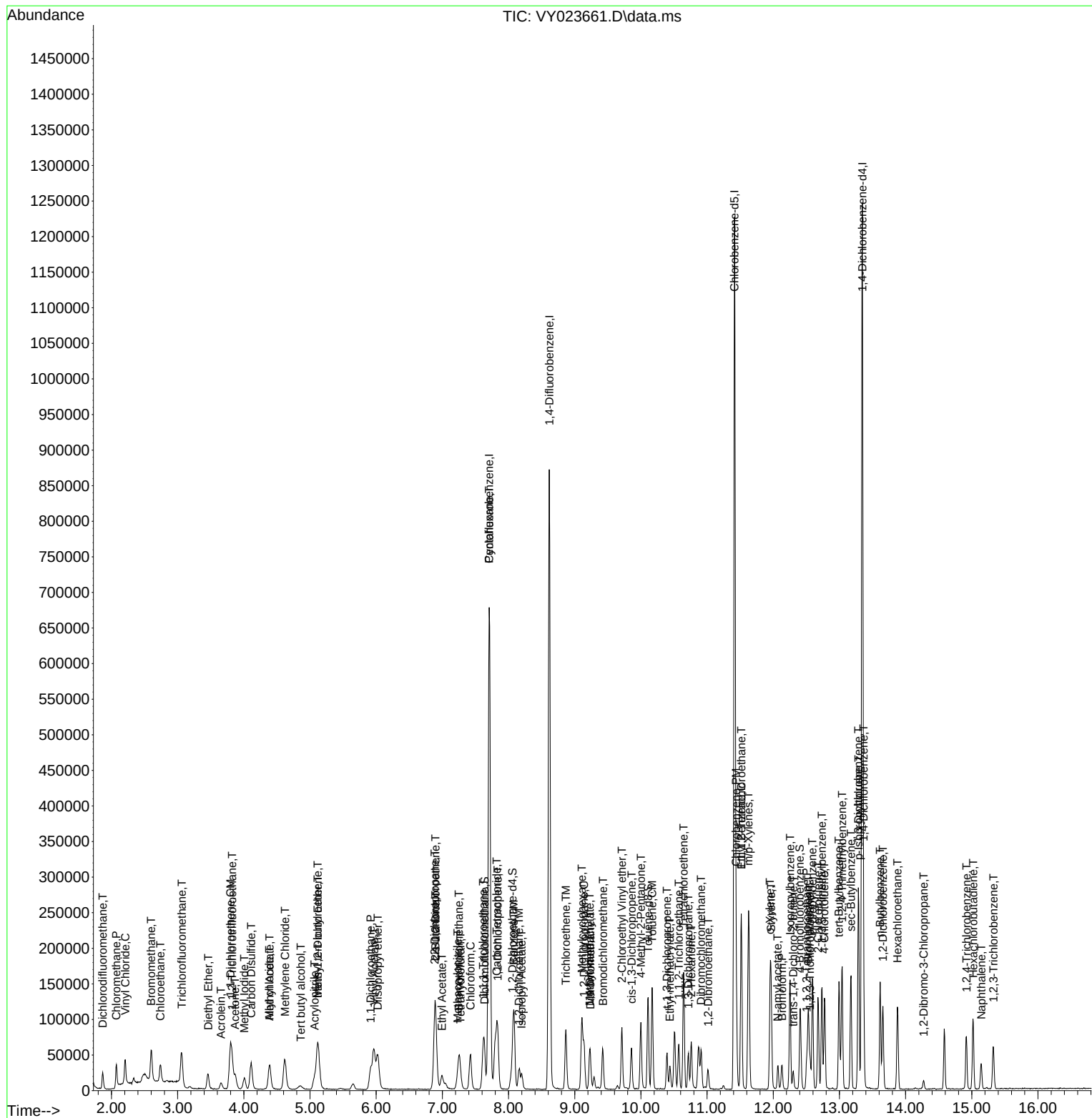
Quant Time: Nov 05 04:24:51 2025

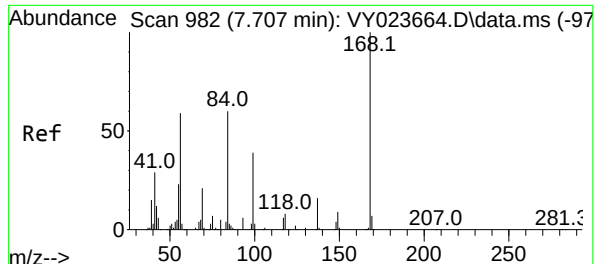
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

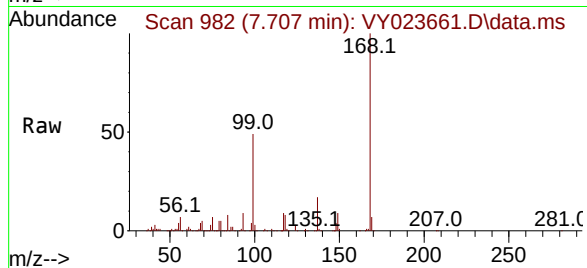
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

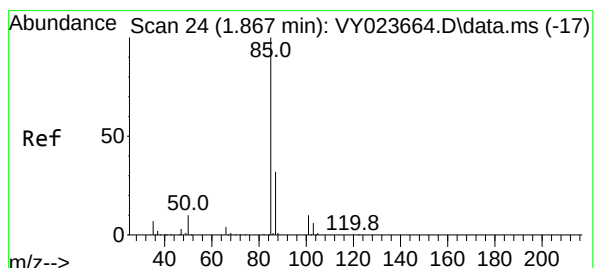
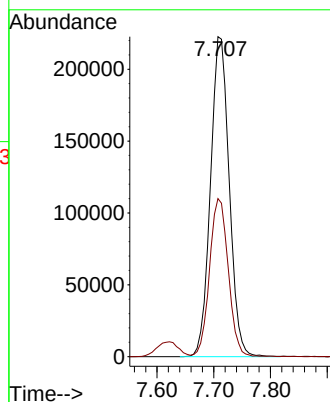
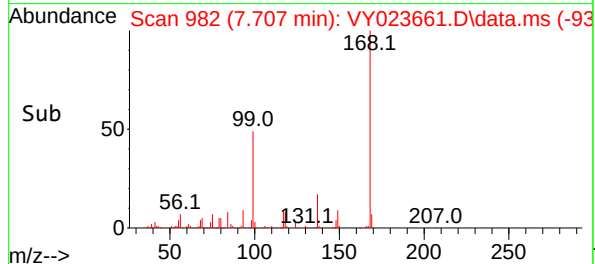
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 51070
Ion Ratio Lower Upper
168 100
99 49.4 41.0 61.4

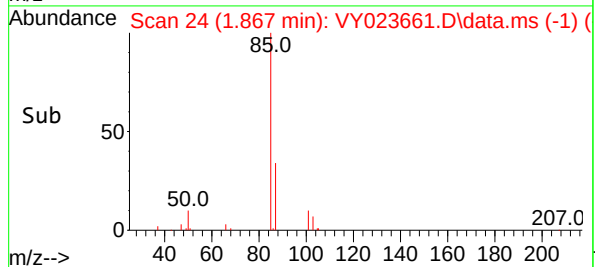
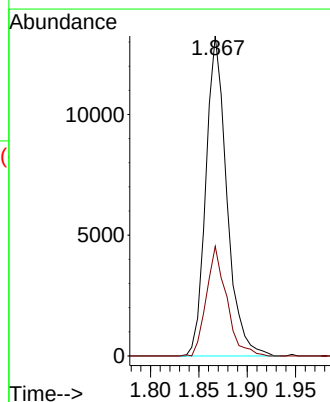
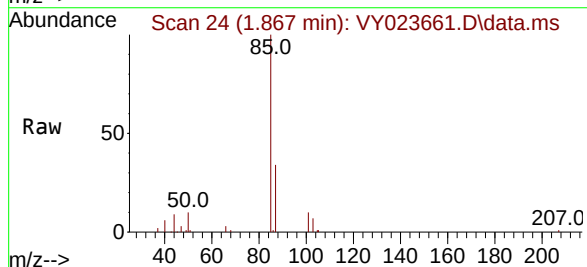
Manual Integrations
APPROVED

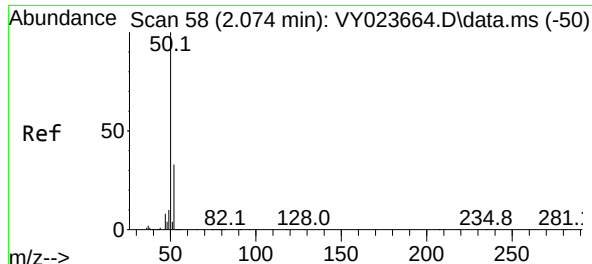
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 5.963 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

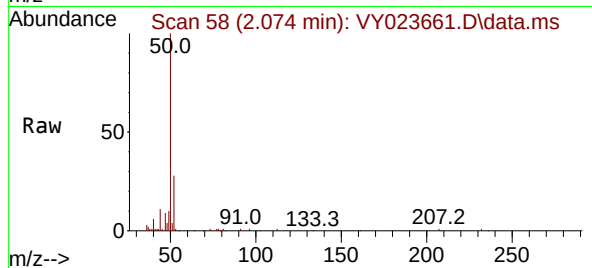
Tgt Ion: 85 Resp: 19990
Ion Ratio Lower Upper
85 100
87 34.2 16.2 48.6





#3
Chloromethane
Concen: 5.849 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

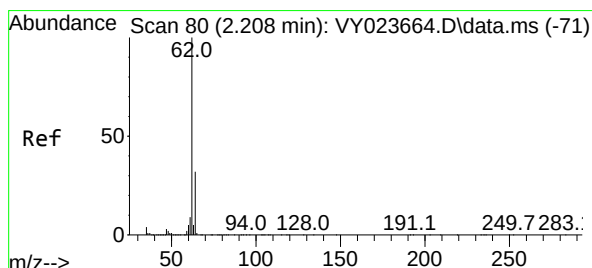
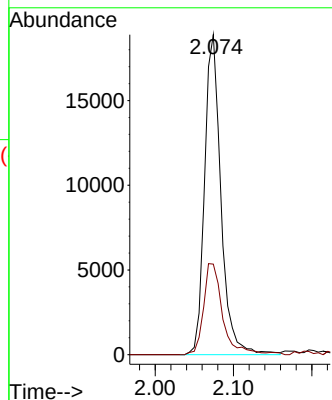
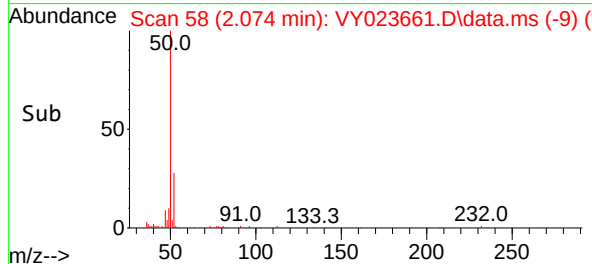
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



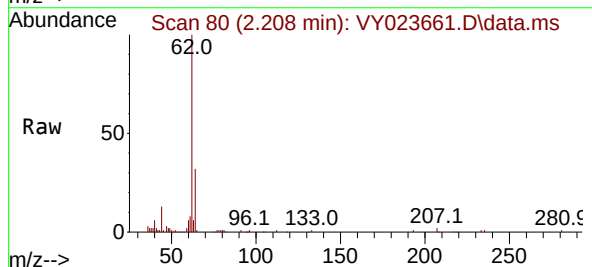
Tgt Ion: 50 Resp: 27439
Ion Ratio Lower Upper
50 100
52 28.3 26.5 39.7

Manual Integrations
APPROVED

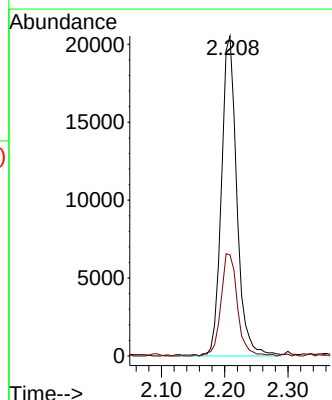
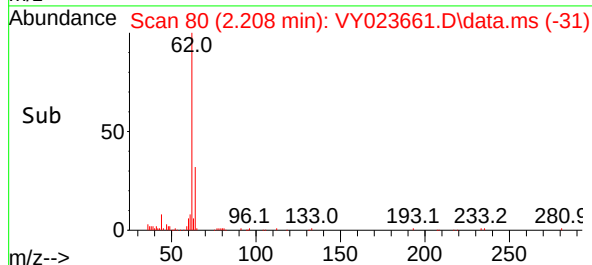
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

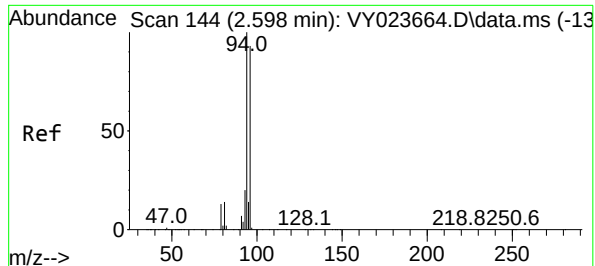


#4
Vinyl Chloride
Concen: 5.689 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



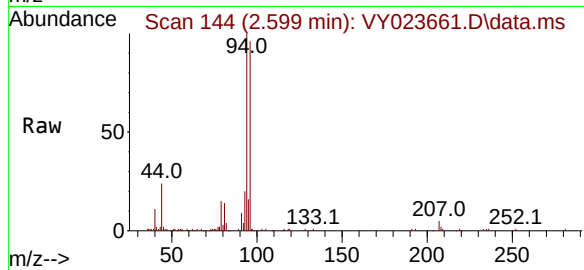
Tgt Ion: 62 Resp: 34731
Ion Ratio Lower Upper
62 100
64 31.3 25.7 38.5





#5
Bromomethane
Concen: 5.835 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

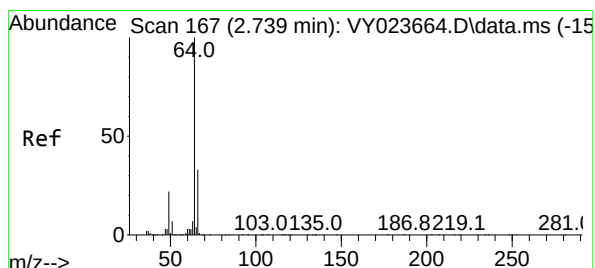
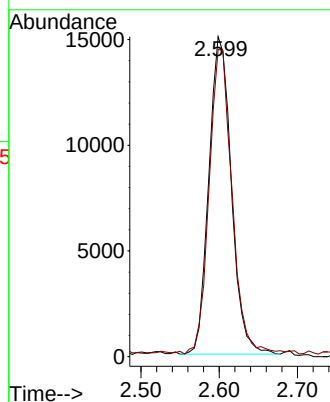
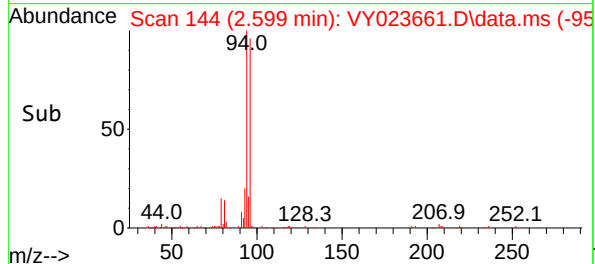
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



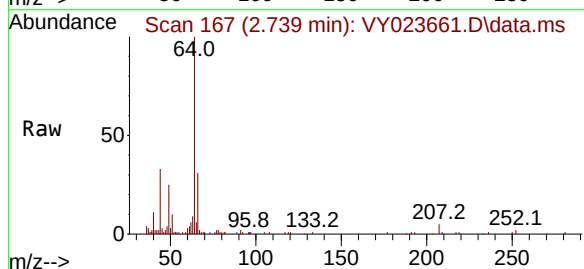
Tgt Ion: 94 Resp: 29962
Ion Ratio Lower Upper
94 100
96 95.0 74.4 111.6

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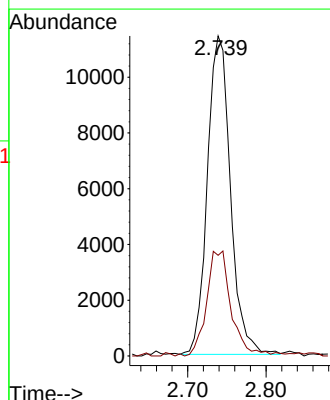
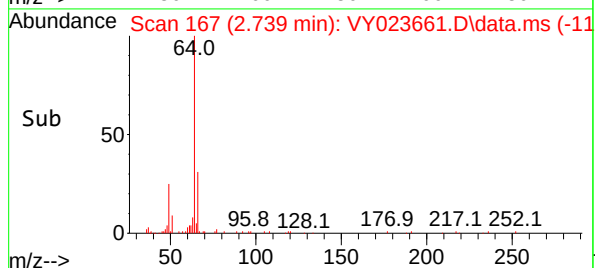
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

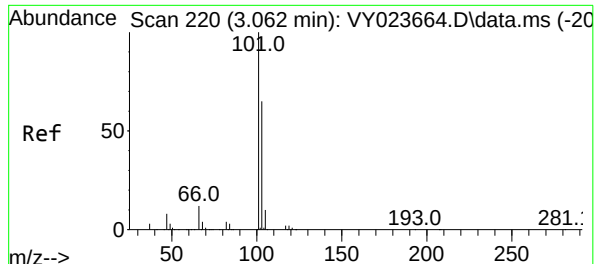


#6
Chloroethane
Concen: 5.543 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



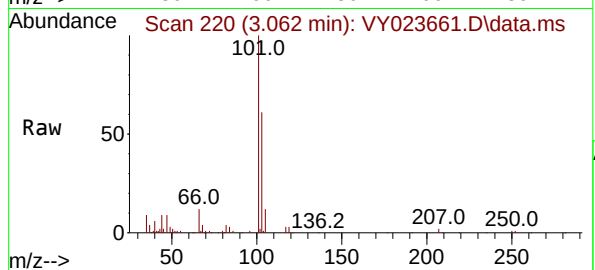
Tgt Ion: 64 Resp: 23388
Ion Ratio Lower Upper
64 100
66 30.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 5.568 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

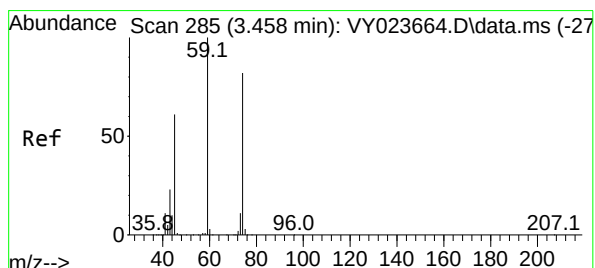
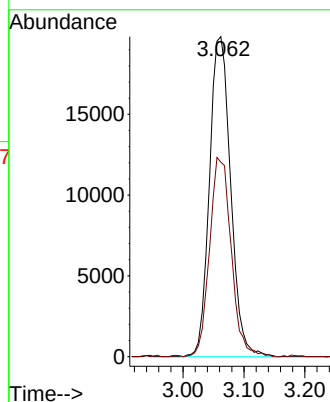
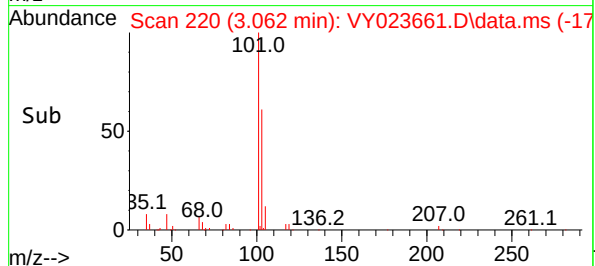
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 4786
Ion Ratio Lower Upper
101 100
103 60.8 52.1 78.1

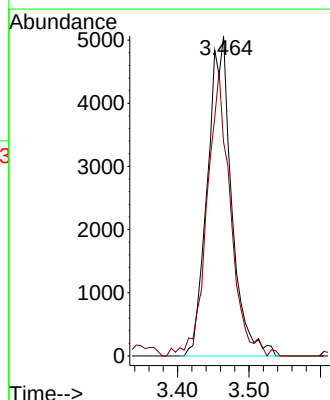
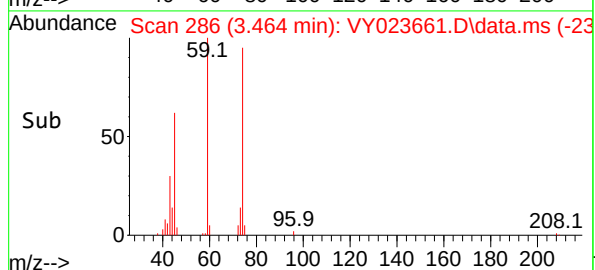
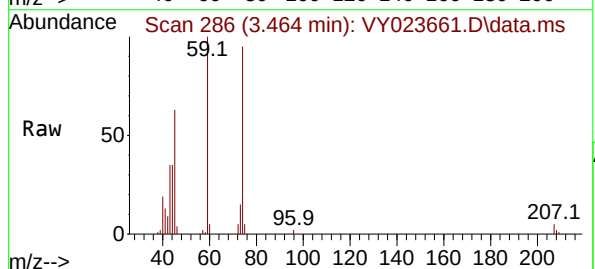
Manual Integrations
APPROVED

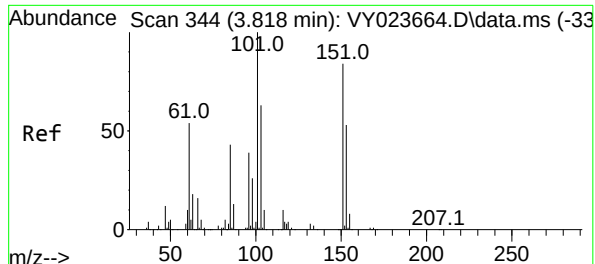
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 5.140 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 74 Resp: 11851
Ion Ratio Lower Upper
74 100
45 86.5 40.6 121.7





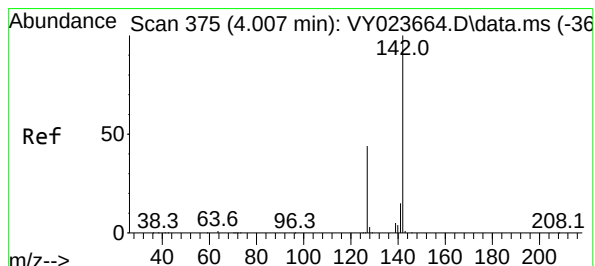
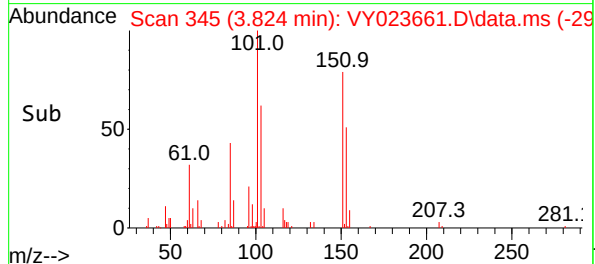
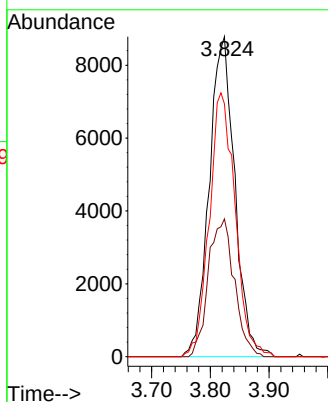
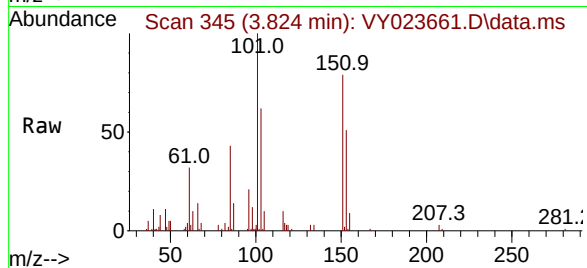
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.601 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 2653
Ion Ratio Lower Upper
101 100
85 43.8 34.4 51.6
151 83.4 65.6 98.4

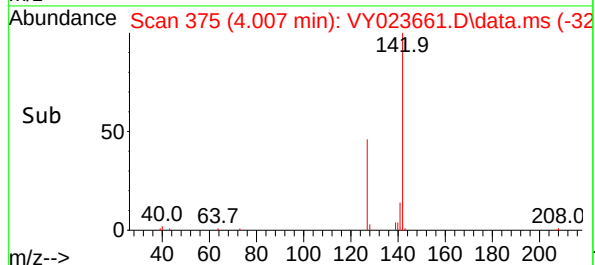
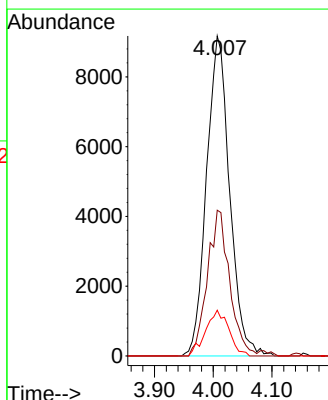
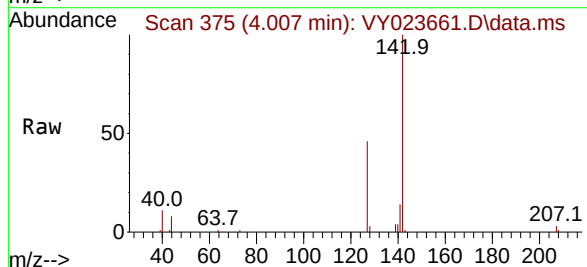
Manual Integrations
APPROVED

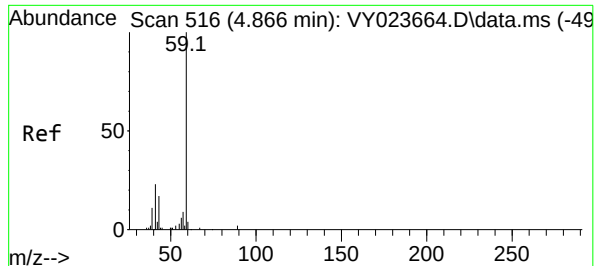
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 4.479 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion:142 Resp: 25054
Ion Ratio Lower Upper
142 100
127 43.7 34.6 51.8
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 32.136 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

59 100

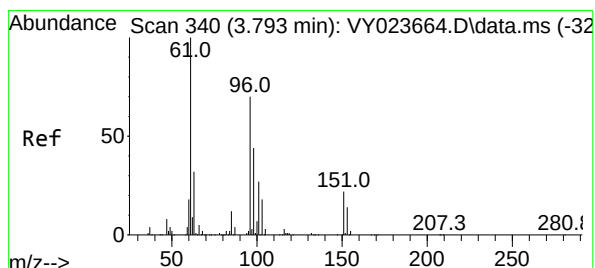
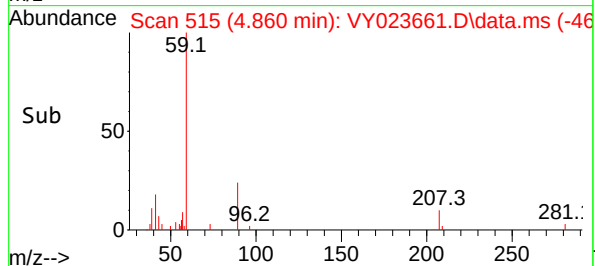
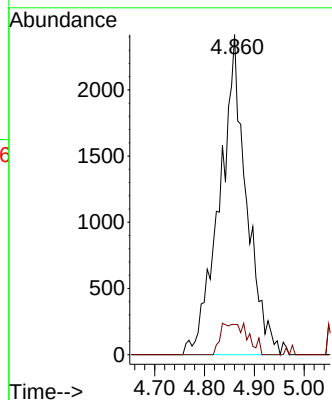
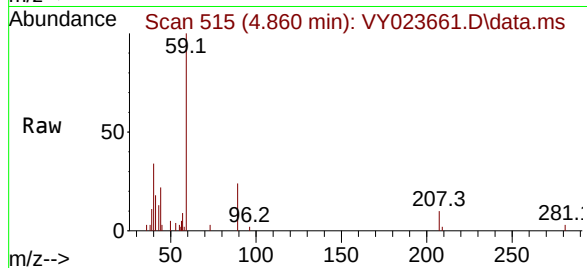
57 0.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 5.323 ug/l

RT: 3.800 min Scan# 341

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

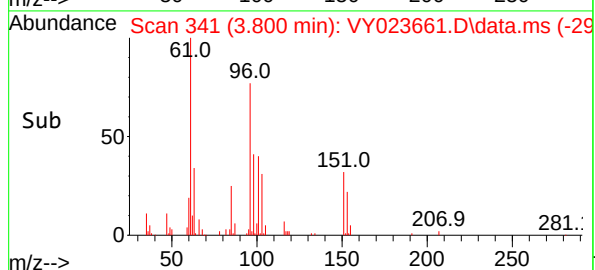
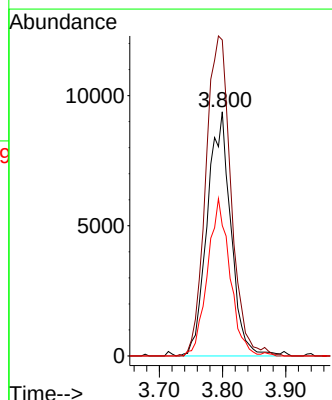
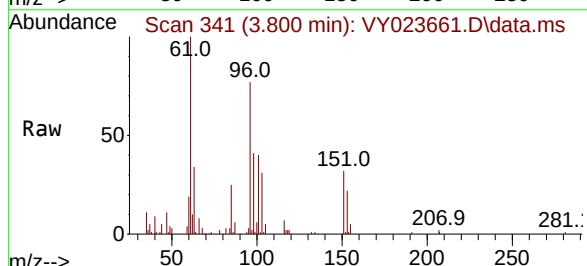
Tgt Ion: 96 Resp: 24289

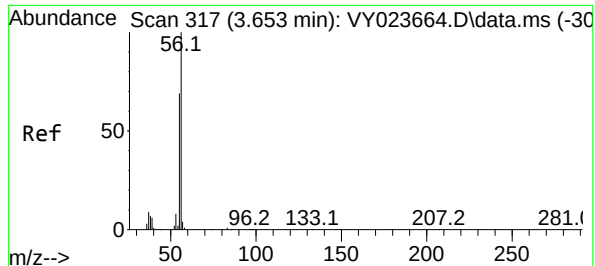
Ion Ratio Lower Upper

96 100

61 128.8 114.0 171.0

98 53.4 50.2 75.2





#13

Acrolein

Concen: 28.913 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 10439

Ion Ratio Lower Upper

56 100

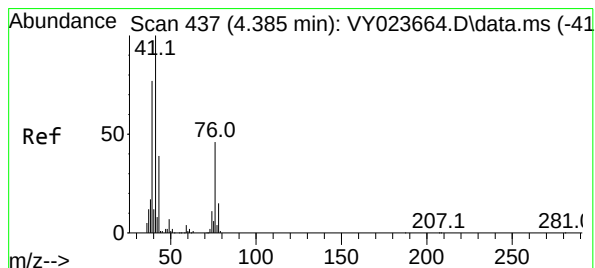
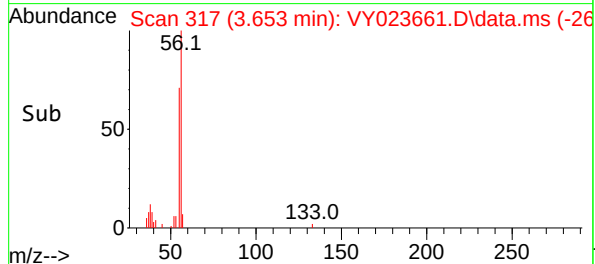
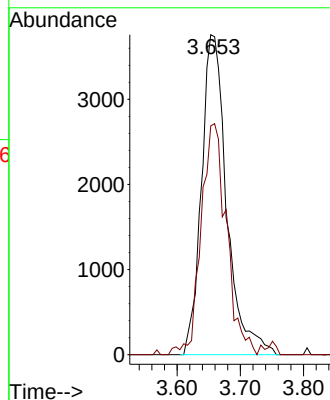
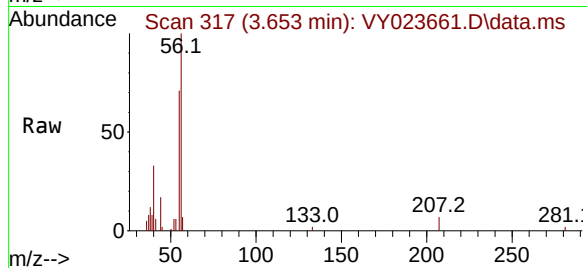
55 72.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 4.869 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

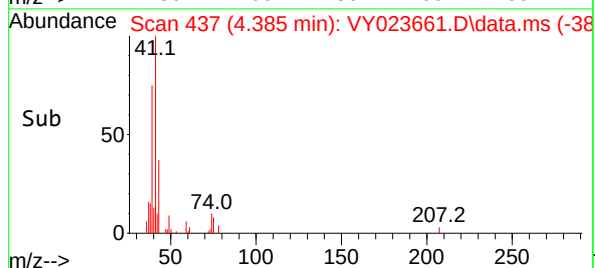
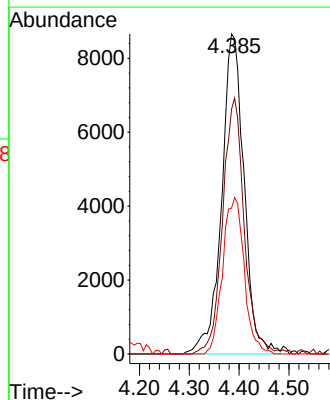
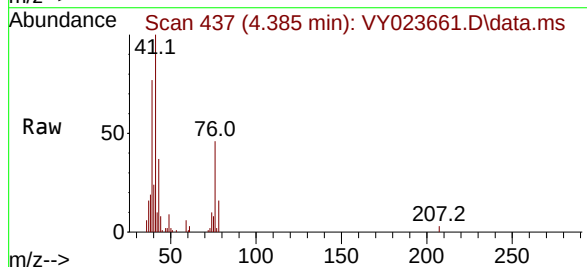
Tgt Ion: 41 Resp: 27044

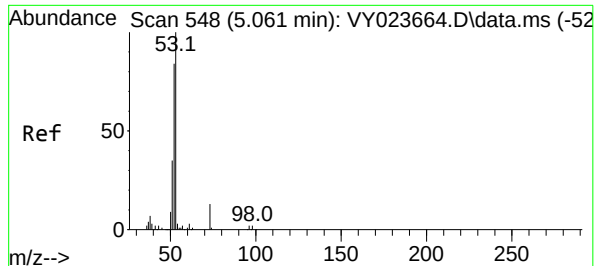
Ion Ratio Lower Upper

41 100

39 76.9 60.4 90.6

76 46.9 38.0 57.0





#15

Acrylonitrile

Concen: 25.078 ug/l

RT: 5.068 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

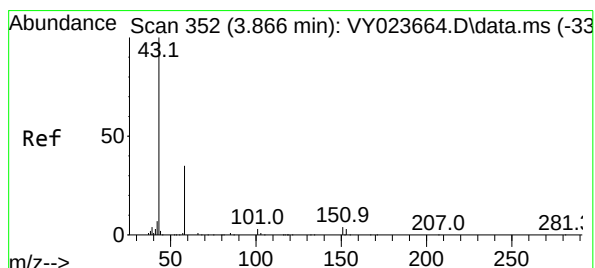
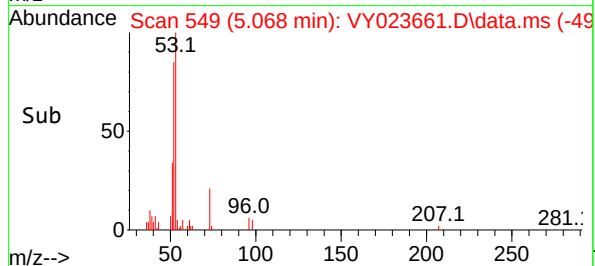
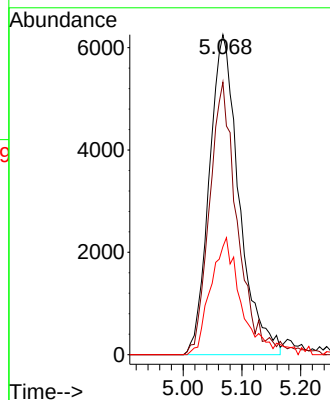
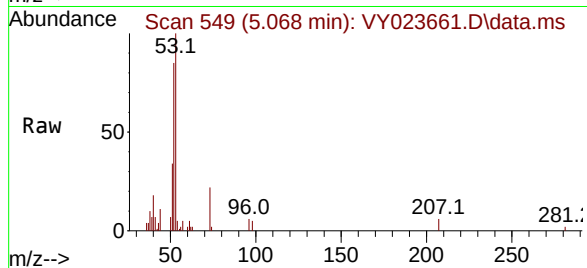
Tgt Ion: 53	Resp: 22090
Ion Ratio	Lower Upper
53 100	
52 80.9	64.9 97.3
51 36.3	29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 27.140 ug/l

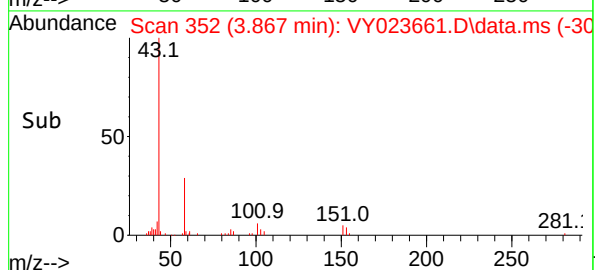
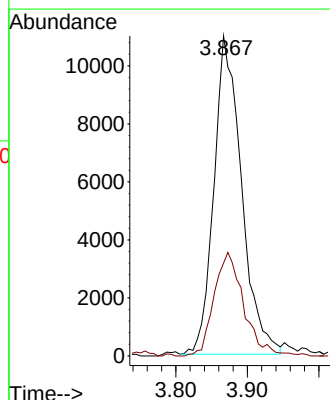
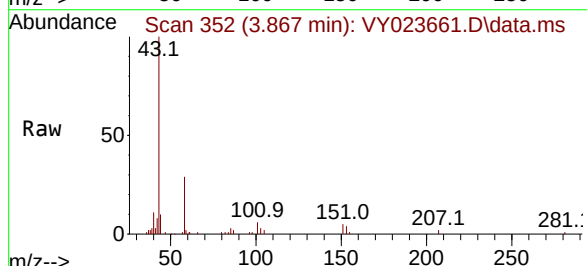
RT: 3.867 min Scan# 352

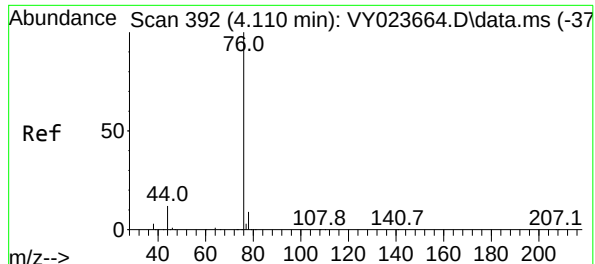
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion: 43	Resp: 29389
Ion Ratio	Lower Upper
43 100	
58 29.1	28.2 42.4





#17

Carbon Disulfide

Concen: 5.395 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 75554

Ion Ratio Lower Upper

76 100

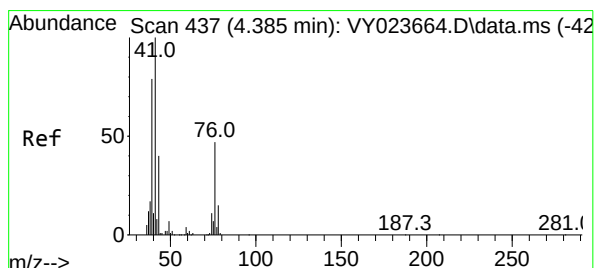
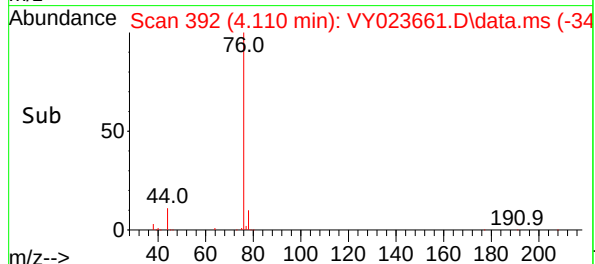
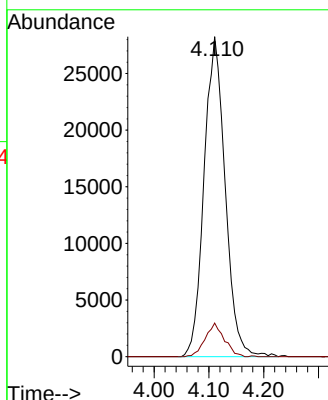
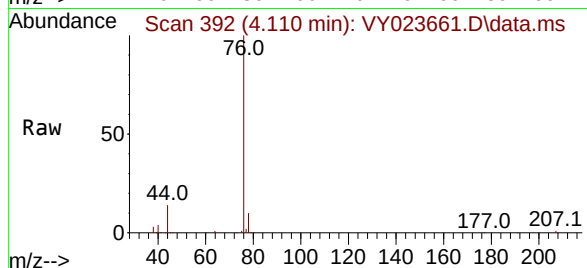
78 10.5 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 4.725 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023661.D

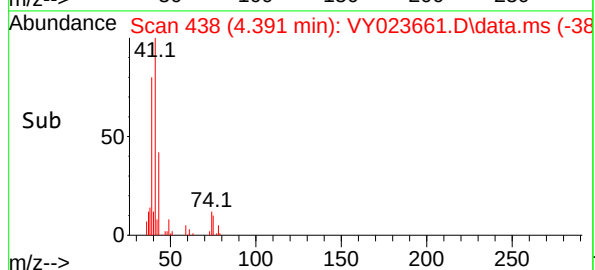
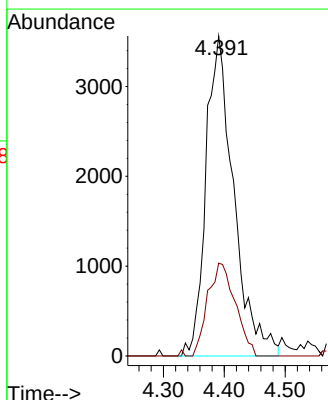
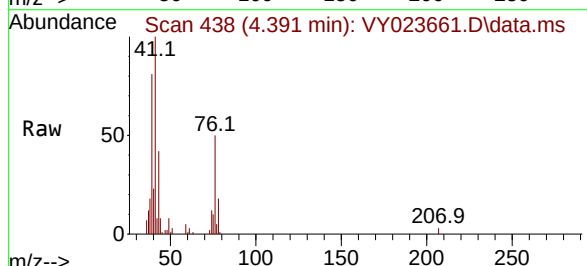
Acq: 04 Nov 2025 09:19

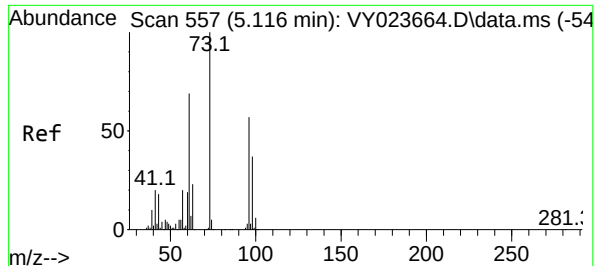
Tgt Ion: 43 Resp: 11286

Ion Ratio Lower Upper

43 100

74 28.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 4.728 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 5002

Ion Ratio Lower Upper

73 100

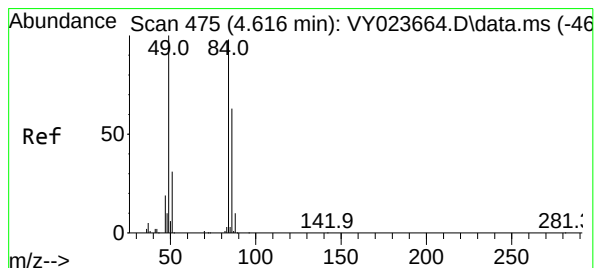
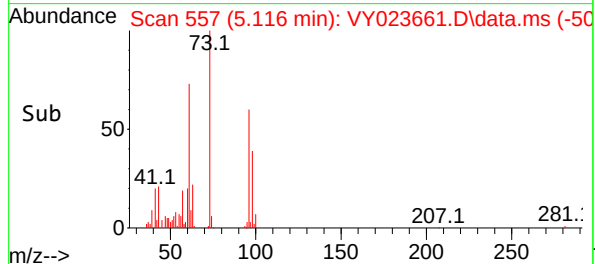
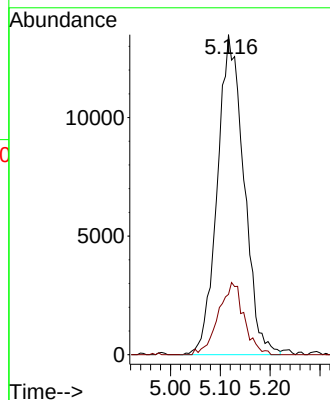
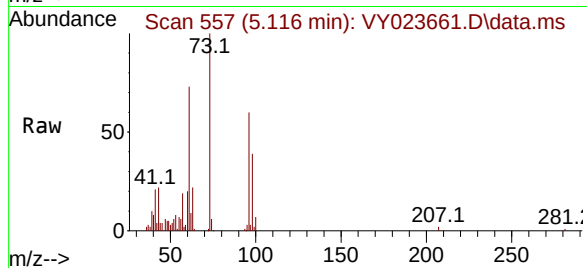
57 18.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 6.371 ug/l

RT: 4.623 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion: 84 Resp: 33305

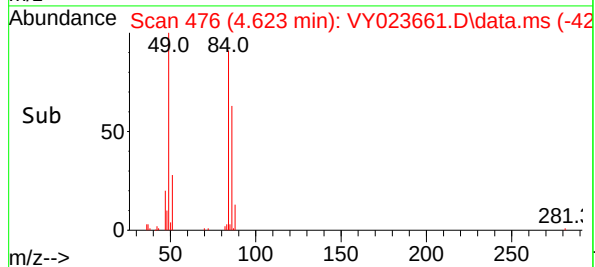
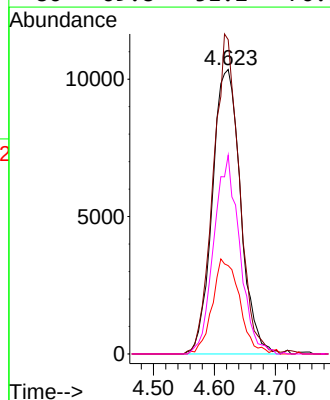
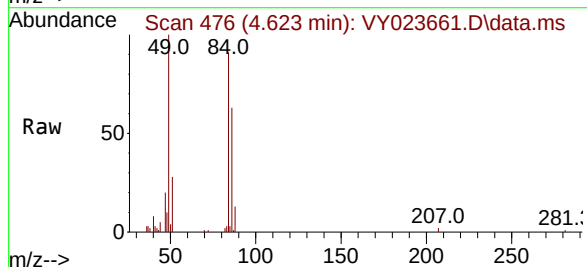
Ion Ratio Lower Upper

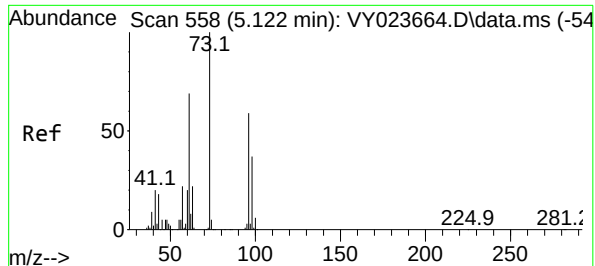
84 100

49 110.4 81.5 122.3

51 31.1 25.5 38.3

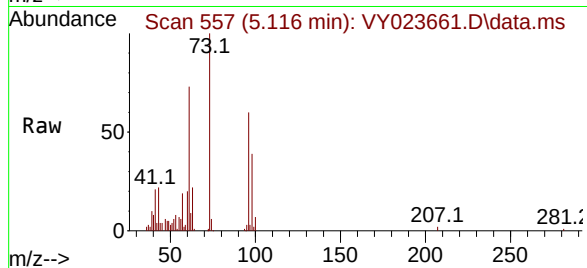
86 69.8 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 5.084 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

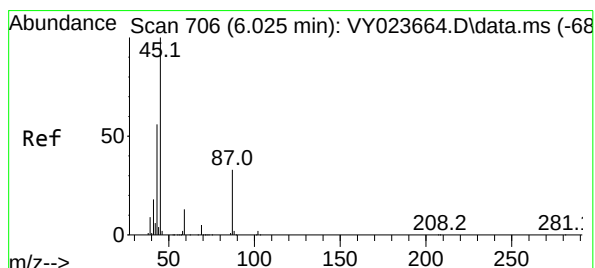
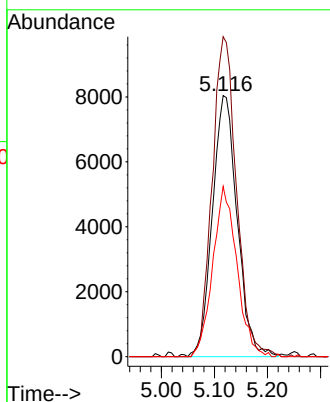
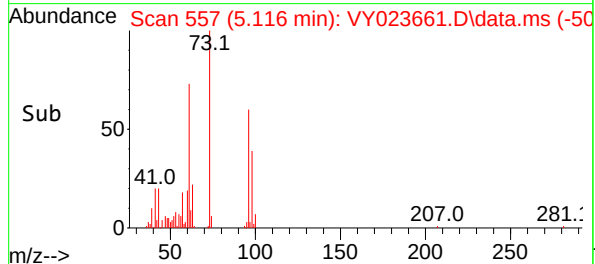
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 2615
Ion Ratio Lower Upper
96 100
61 122.6 93.3 139.9
98 65.2 50.6 75.8

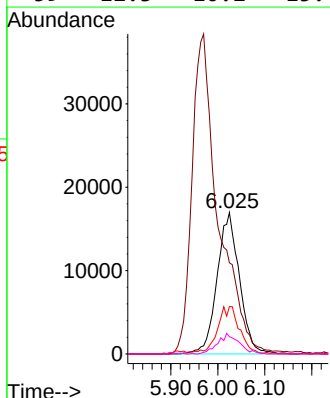
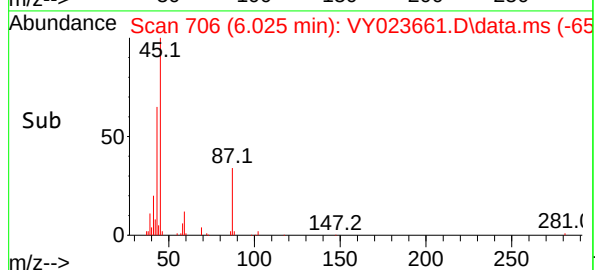
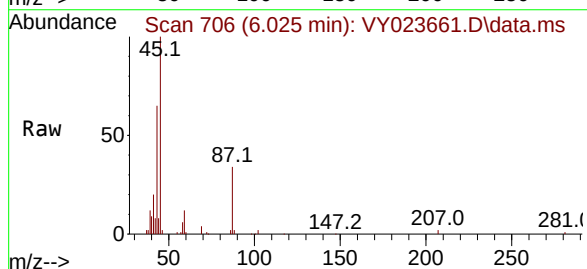
Manual Integrations
APPROVED

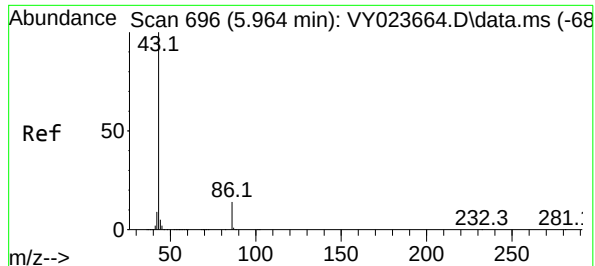
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 4.527 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 45 Resp: 56019
Ion Ratio Lower Upper
45 100
43 62.4 44.7 67.1
87 33.5 27.2 40.8
59 12.3 10.2 15.4





#23

Vinyl Acetate

Concen: 22.631 ug/l

RT: 5.970 min Scan# 696

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 14945

Ion Ratio Lower Upper

43 100

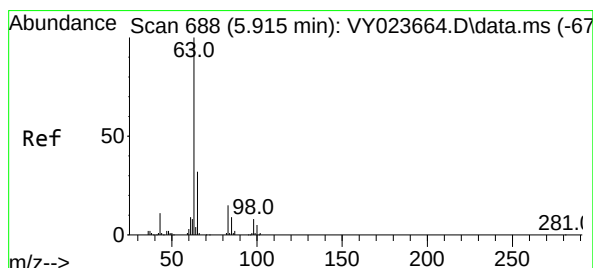
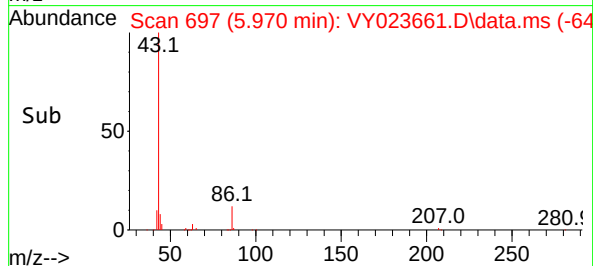
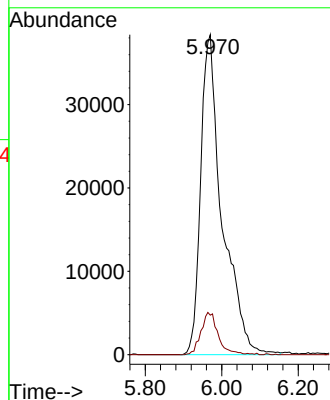
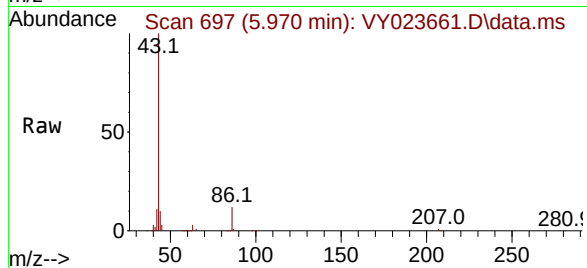
86 12.4 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 5.298 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

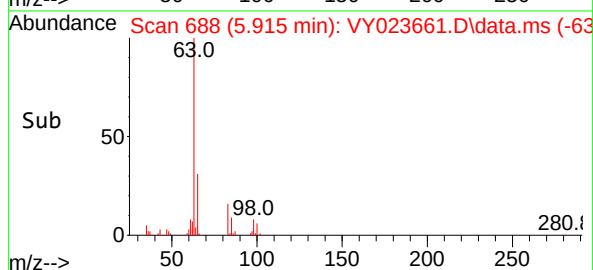
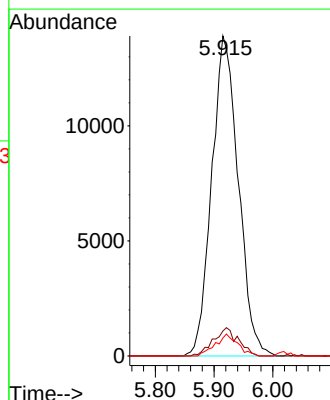
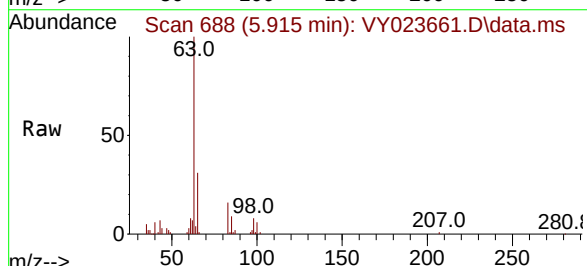
Tgt Ion: 63 Resp: 43679

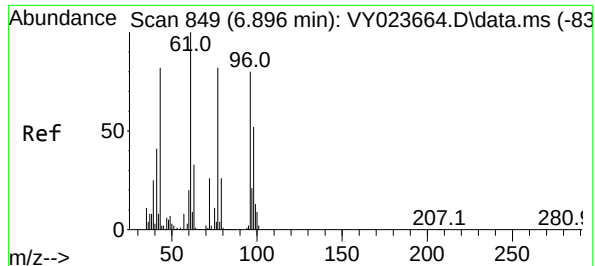
Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

100 5.6 2.6 7.8





#25

2-Butanone

Concen: 26.134 ug/l

RT: 6.897 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 32720

Ion Ratio Lower Upper

43 100

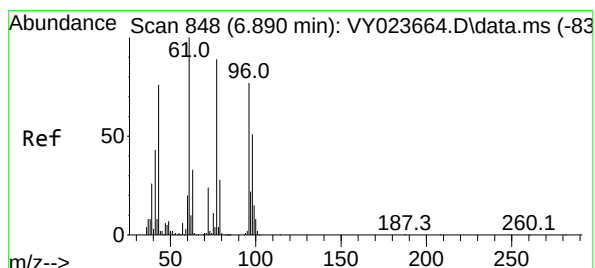
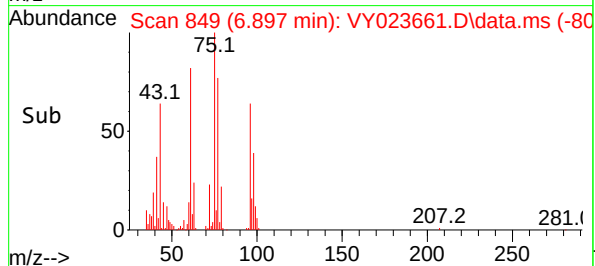
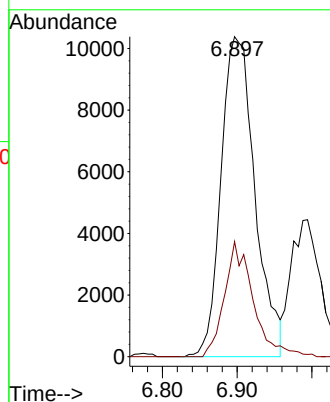
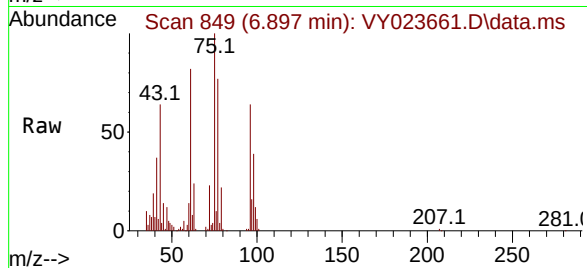
72 35.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 5.380 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023661.D

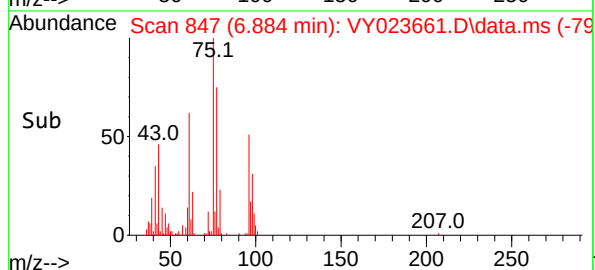
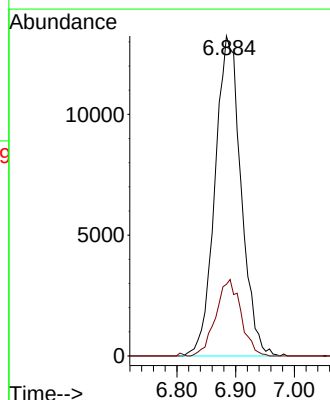
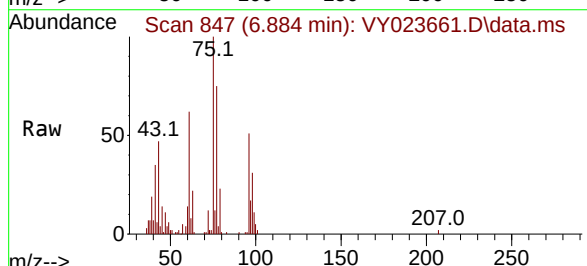
Acq: 04 Nov 2025 09:19

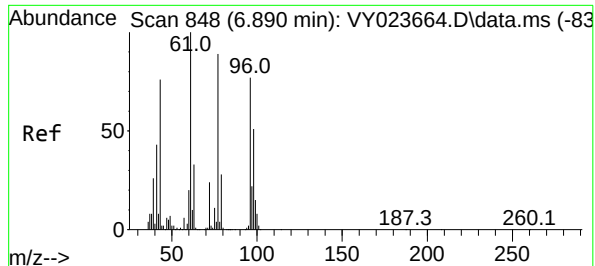
Tgt Ion: 77 Resp: 40803

Ion Ratio Lower Upper

77 100

97 23.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 4.966 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 29179

Ion Ratio Lower Upper

96 100

61 130.1 0.0 255.0

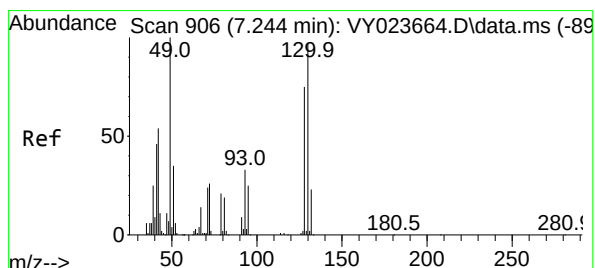
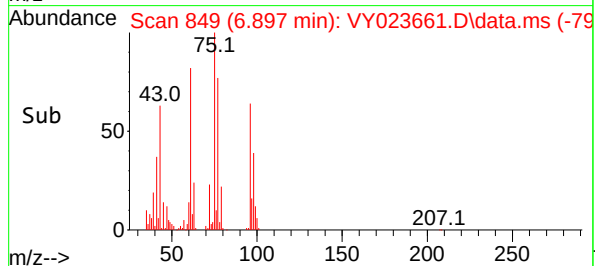
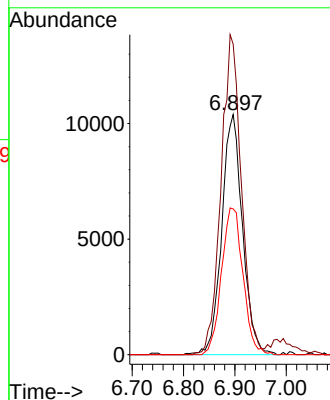
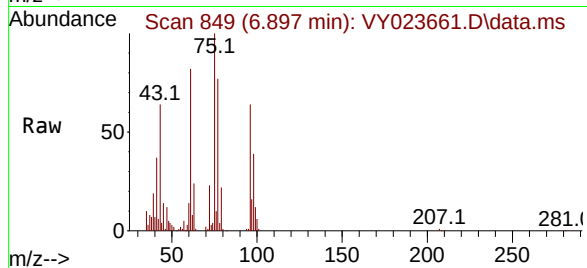
98 63.1 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 5.127 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

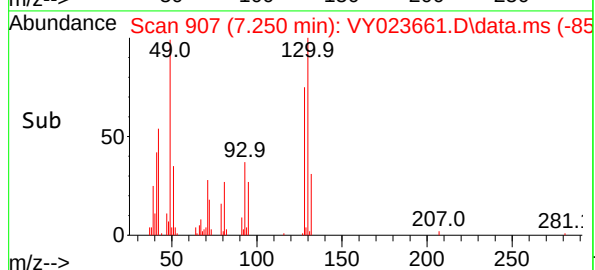
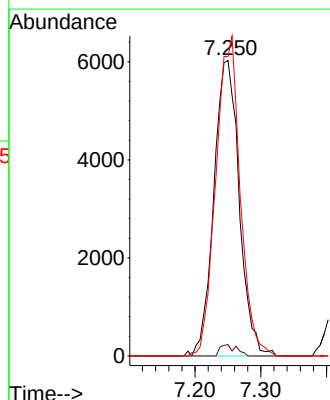
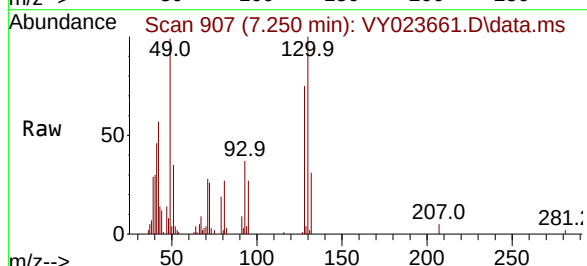
Tgt Ion: 49 Resp: 16184

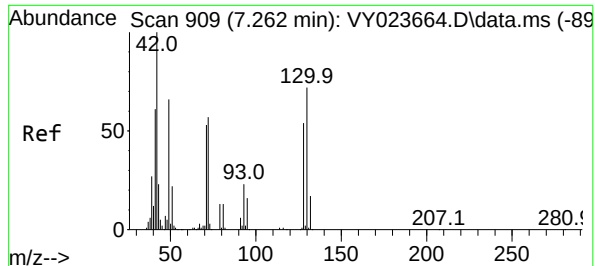
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 103.8 80.1 120.1





#29

Tetrahydrofuran

Concen: 23.206 ug/l

RT: 7.275 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

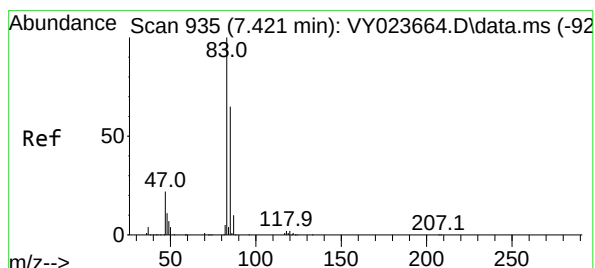
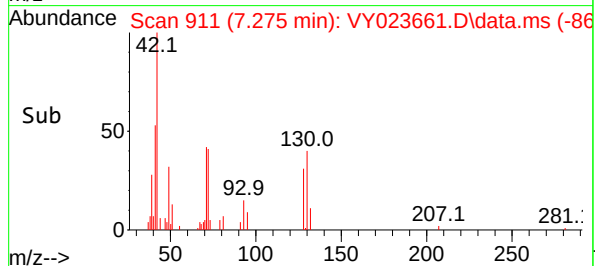
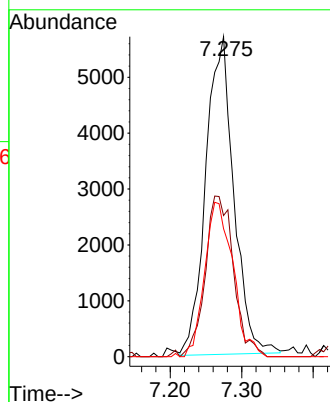
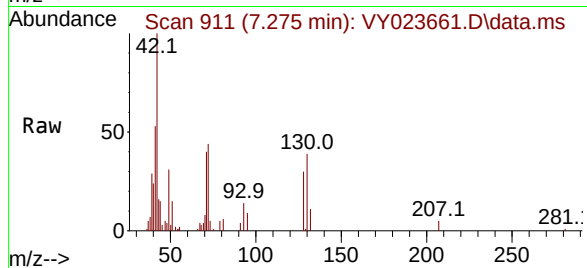
Tgt Ion:	42	Resp:	1547
Ion	Ratio	Lower	Upper
42	100		
72	51.1	43.4	65.2
71	49.1	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 5.316 ug/l

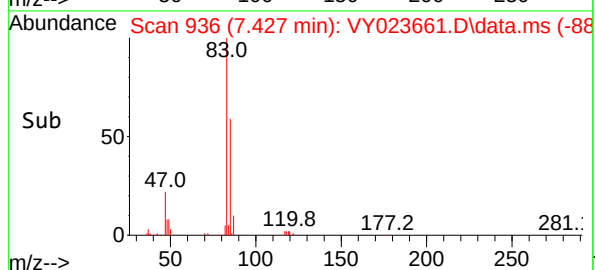
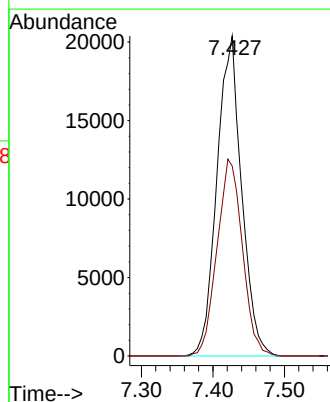
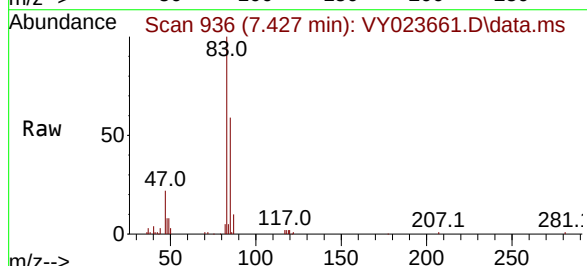
RT: 7.427 min Scan# 936

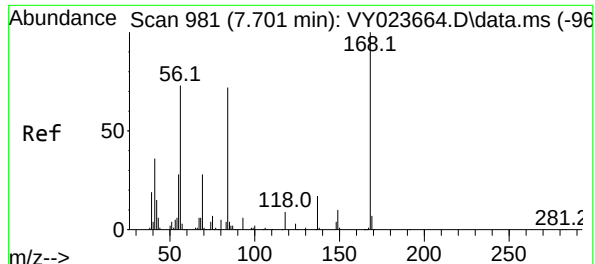
Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	83	Resp:	48896
Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.1	78.1





#31

Cyclohexane

Concen: 5.612 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 4029

Ion Ratio Lower Upper

56 100

69 69.4 30.5 45.7

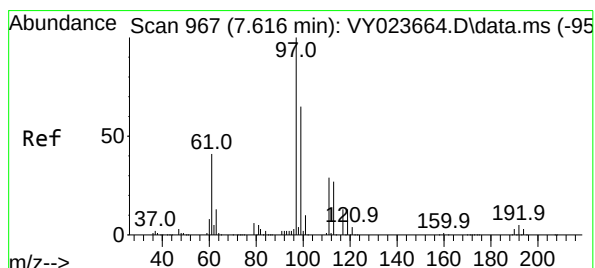
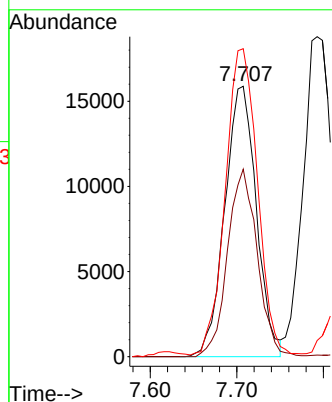
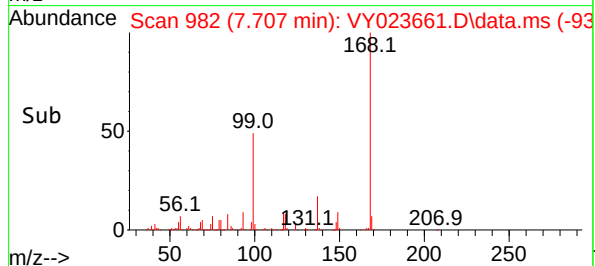
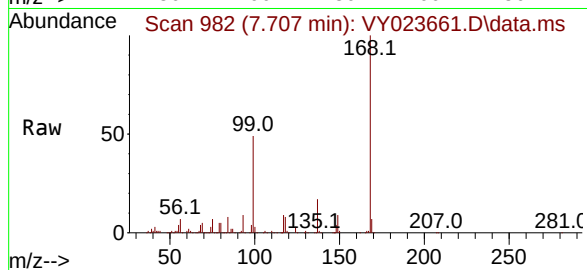
84 112.8 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 5.292 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

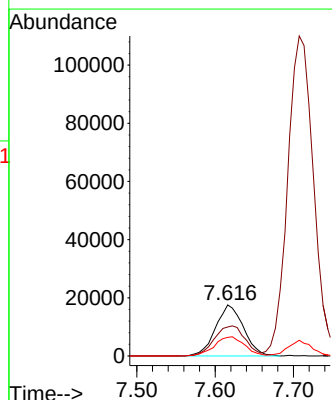
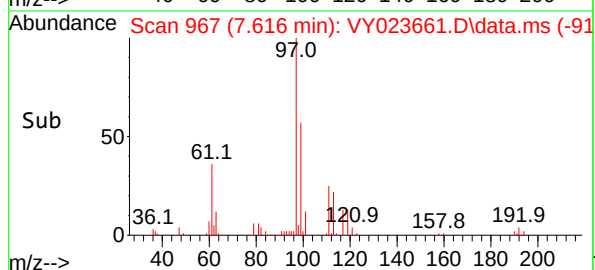
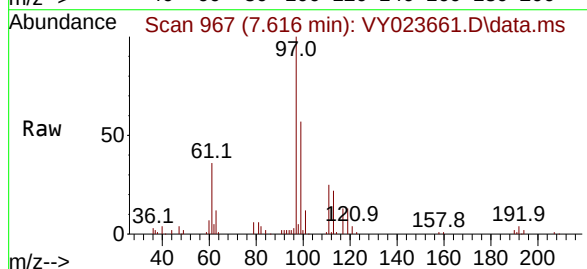
Tgt Ion: 97 Resp: 43512

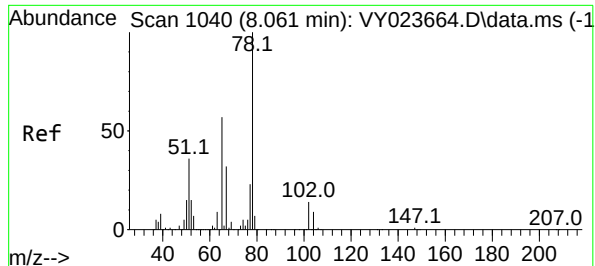
Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

61 40.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 5.491 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 2392

Ion Ratio Lower Upper

65 100

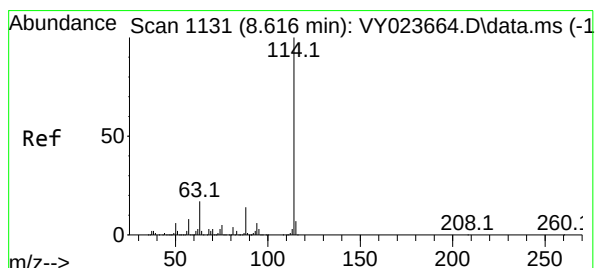
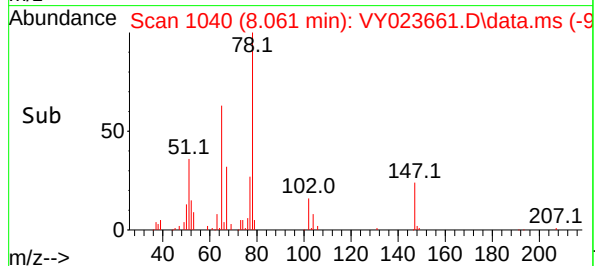
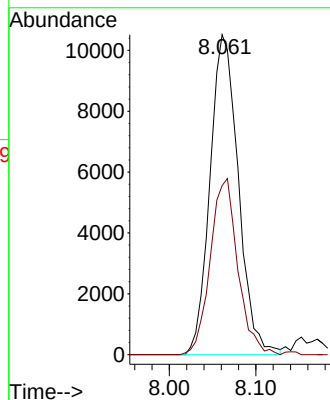
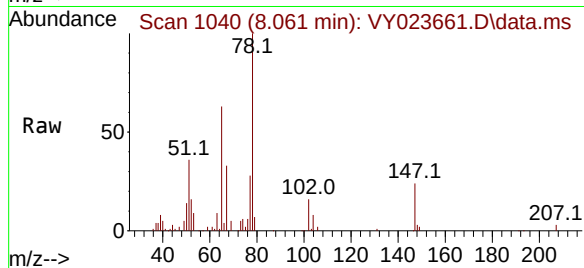
67 53.4 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

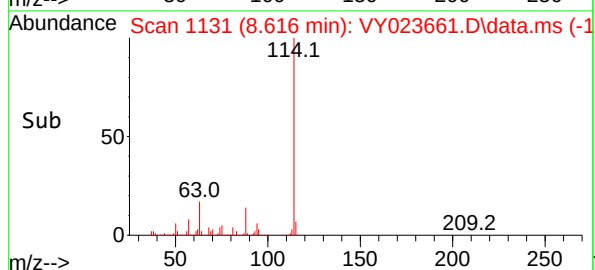
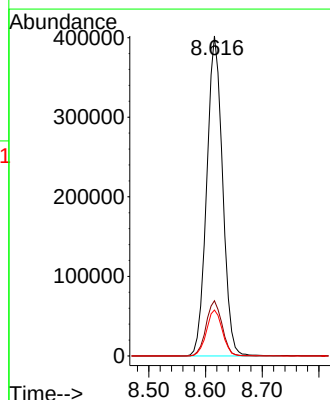
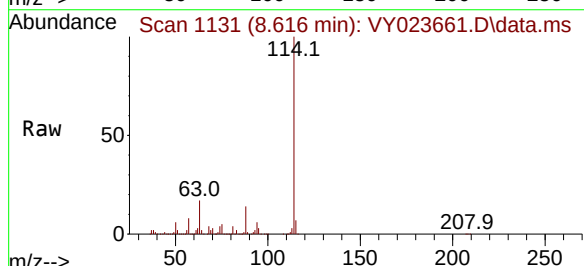
Tgt Ion:114 Resp: 780075

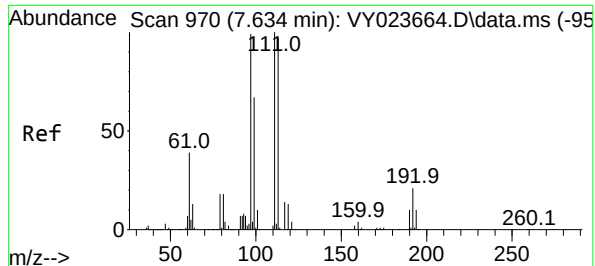
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 4.987 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 2431

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

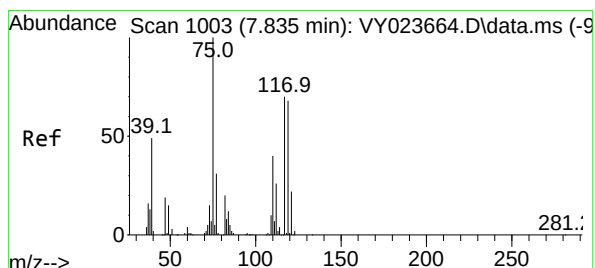
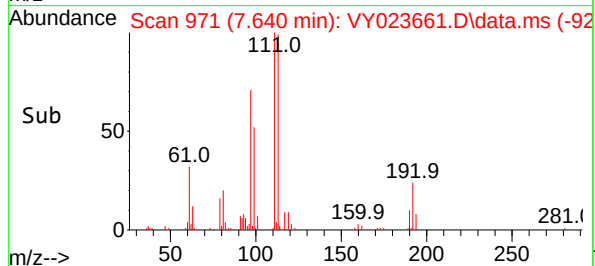
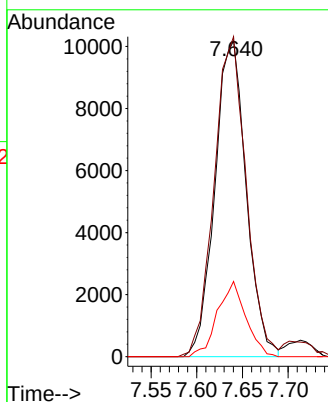
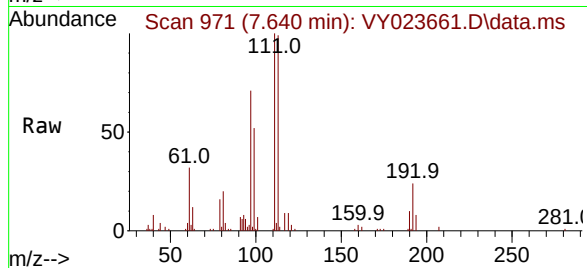
192 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 5.099 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

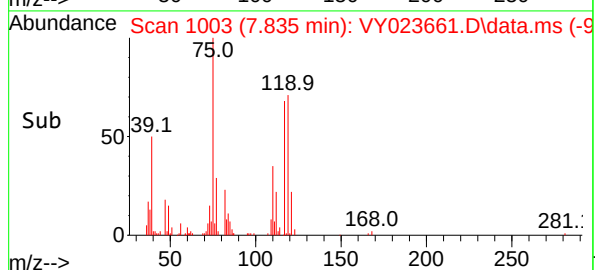
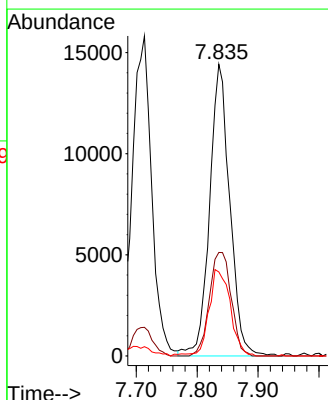
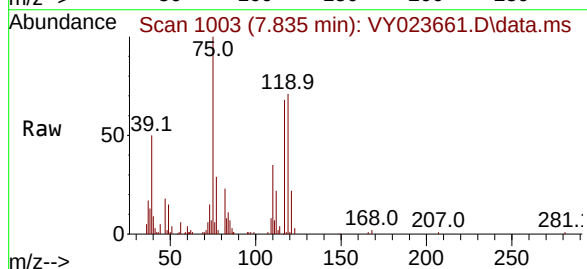
Tgt Ion: 75 Resp: 33214

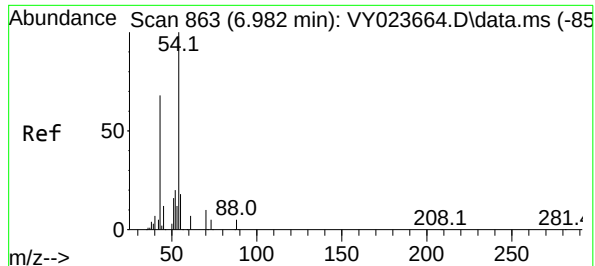
Ion Ratio Lower Upper

75 100

110 38.3 19.7 59.0

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 4.902 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

61 13.3 12.4 18.6

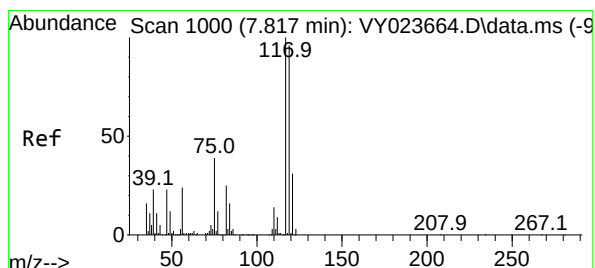
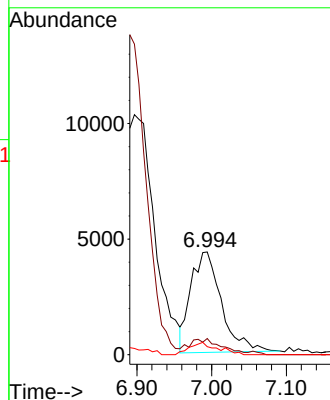
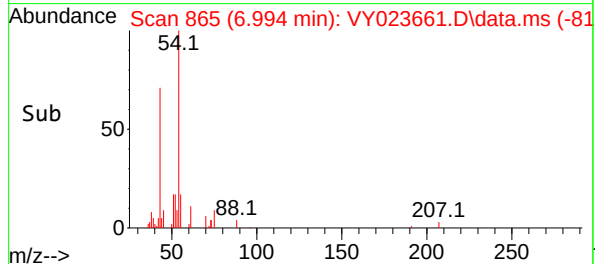
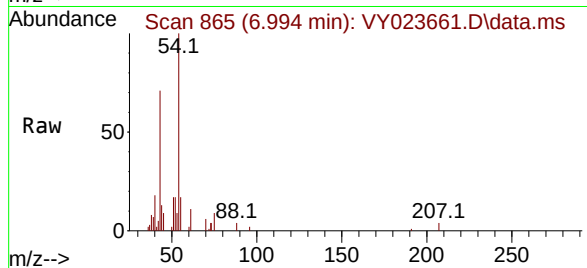
70 11.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

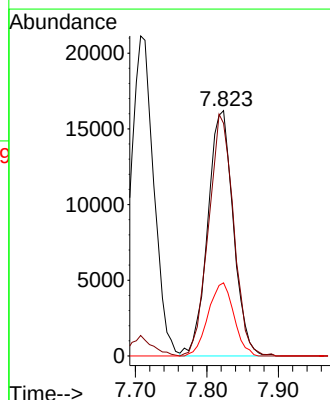
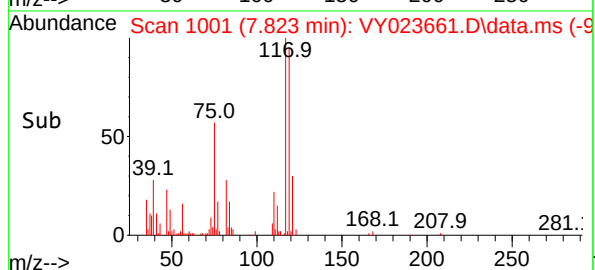
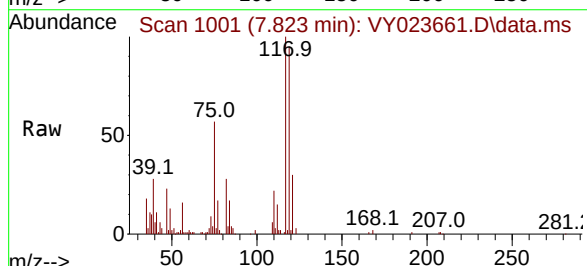
Tgt Ion:117 Resp: 40263

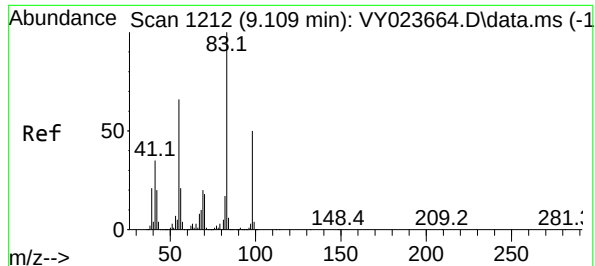
Ion Ratio Lower Upper

117 100

119 94.8 76.3 114.5

121 29.8 24.8 37.2





#39

Methylcyclohexane

Concen: 4.680 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

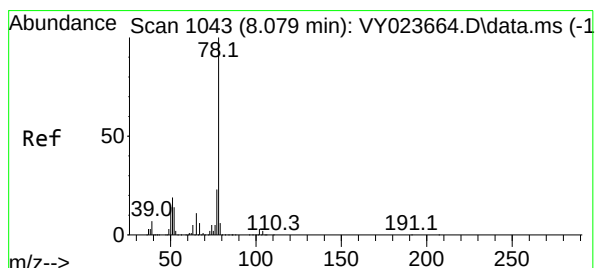
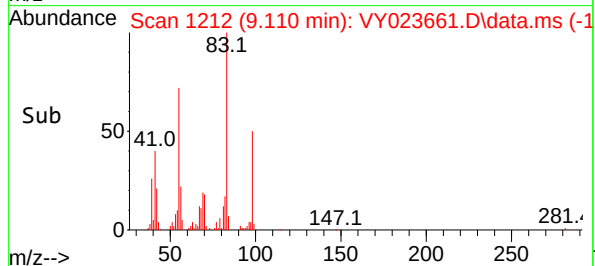
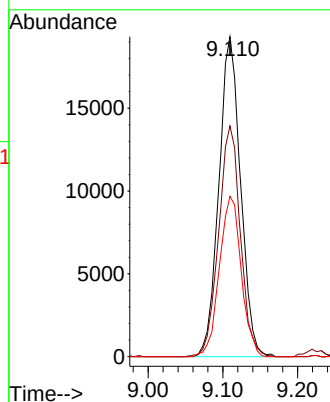
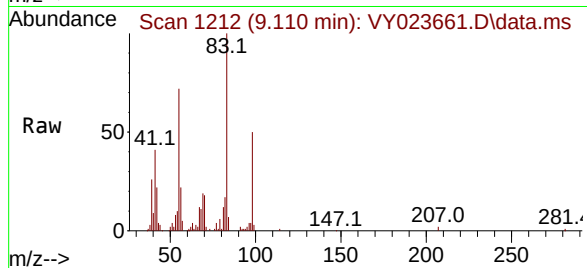
Tgt Ion:	83	Resp:	38950
Ion	Ratio	Lower	Upper
83	100		
55	72.1	52.6	78.8
98	50.1	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 5.026 ug/l

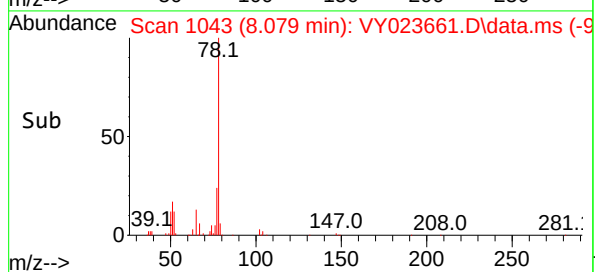
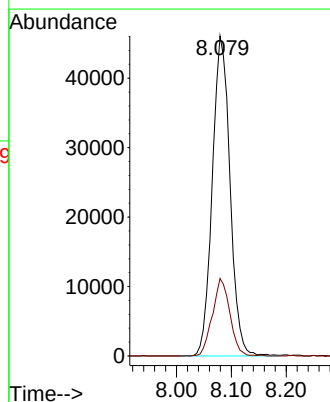
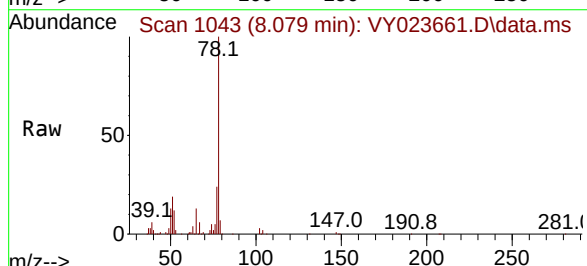
RT: 8.079 min Scan# 1043

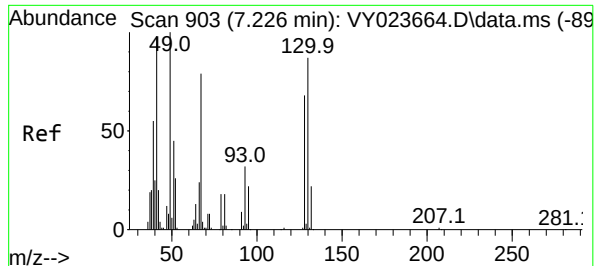
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

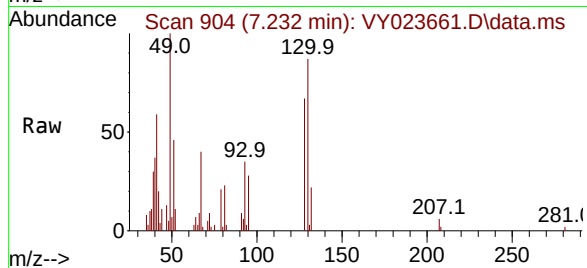
Tgt Ion:	78	Resp:	103199
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41
Methacrylonitrile
Concen: 4.800 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

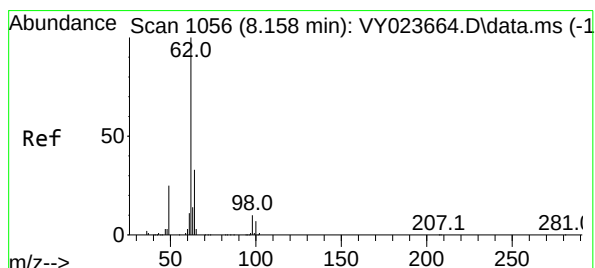
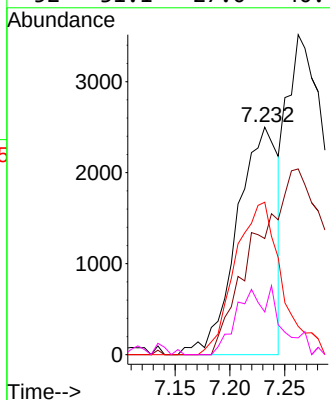
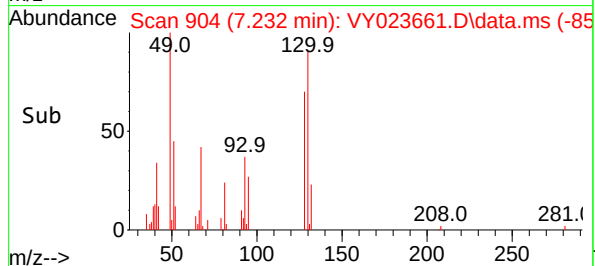
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 41 Resp: 645
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 77.3 71.3 106.9
52 31.1 27.0 40.4

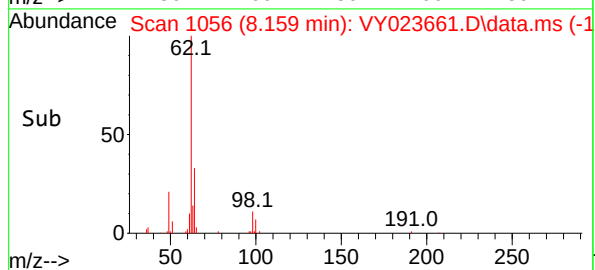
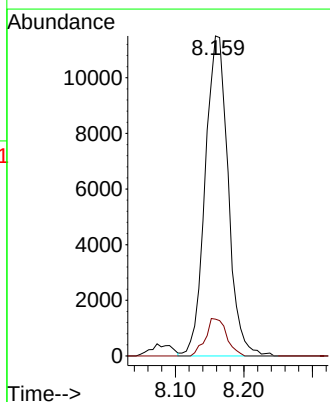
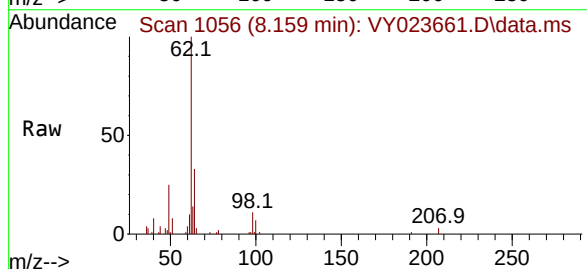
Manual Integrations
APPROVED

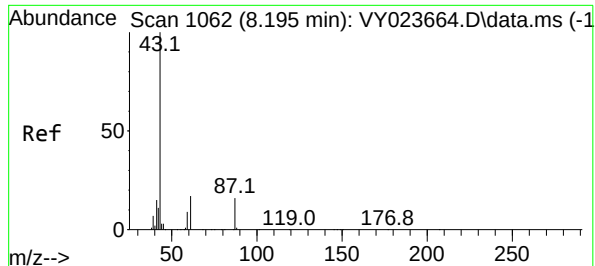
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 5.151 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 62 Resp: 26761
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 4.604 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

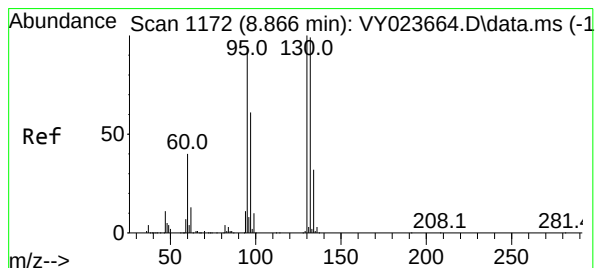
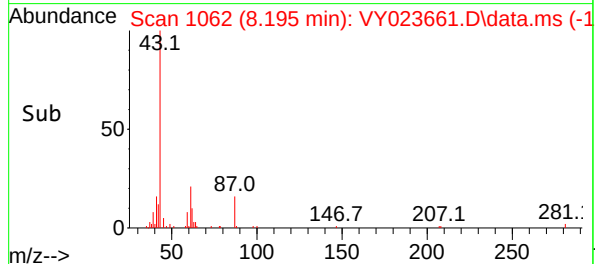
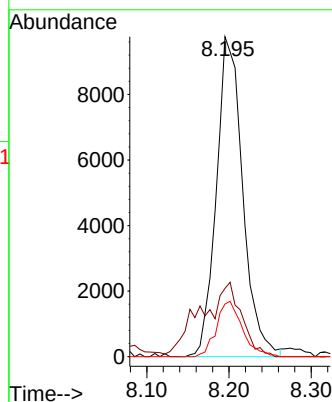
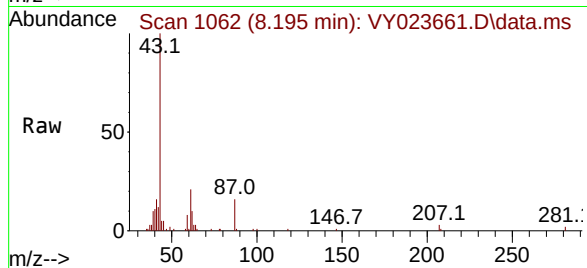
Tgt Ion:	43	Resp:	21814
Ion	Ratio	Lower	Upper
43	100		
61	19.3	18.2	27.2
87	17.0	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 5.258 ug/l

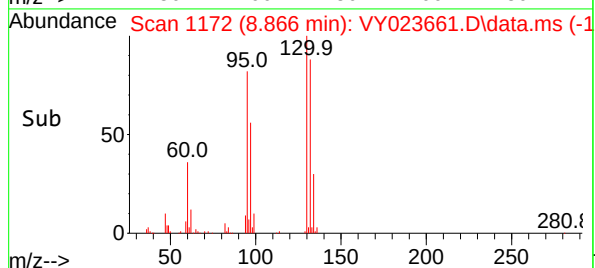
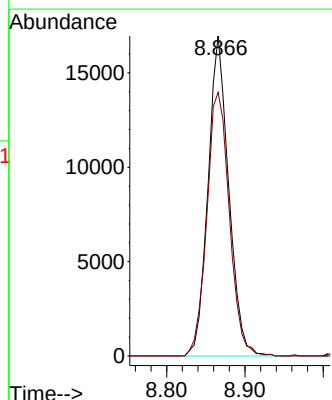
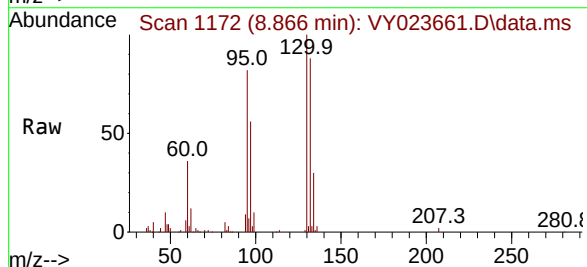
RT: 8.866 min Scan# 1172

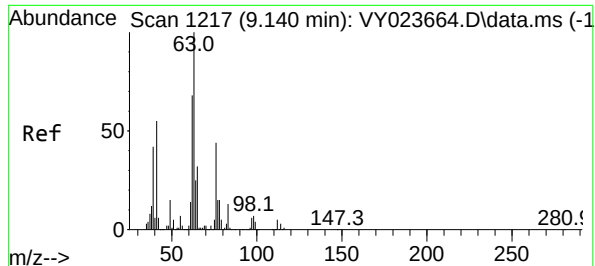
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	130	Resp:	31010
Ion	Ratio	Lower	Upper
130	100		
95	82.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 5.067 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 2296

Ion Ratio Lower Upper

63 100

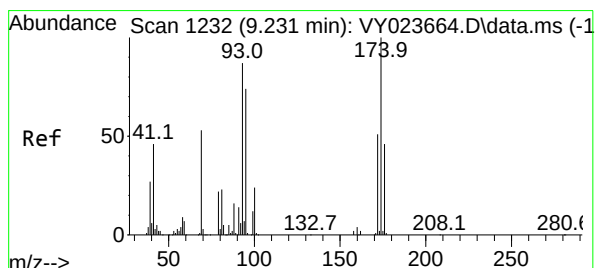
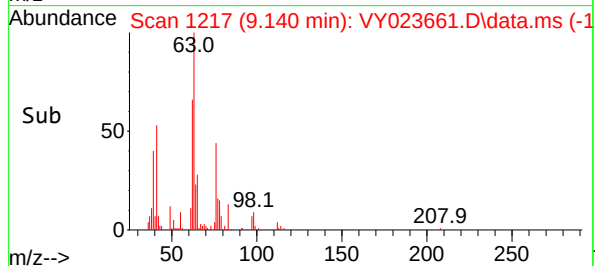
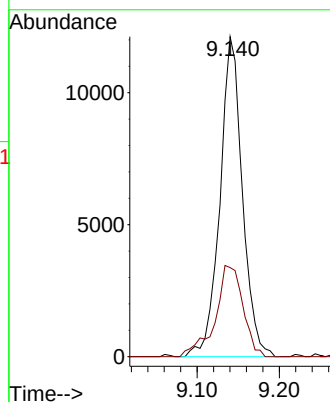
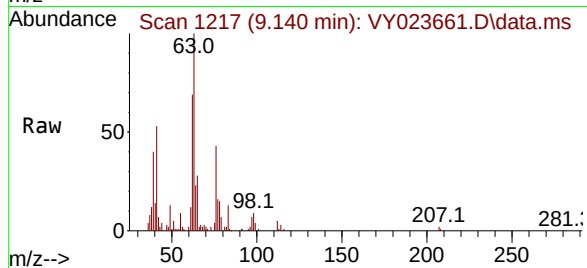
65 27.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 5.082 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

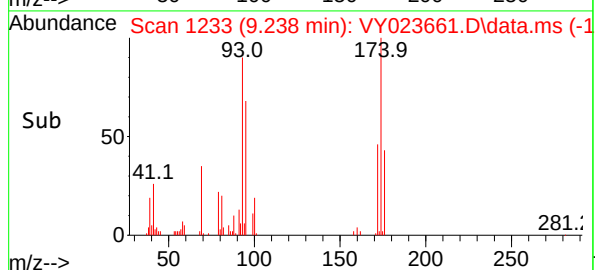
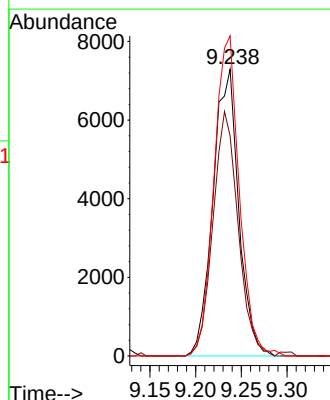
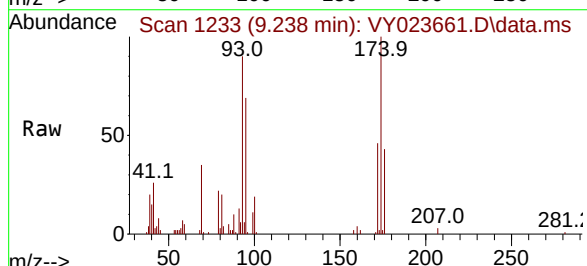
Tgt Ion: 93 Resp: 14269

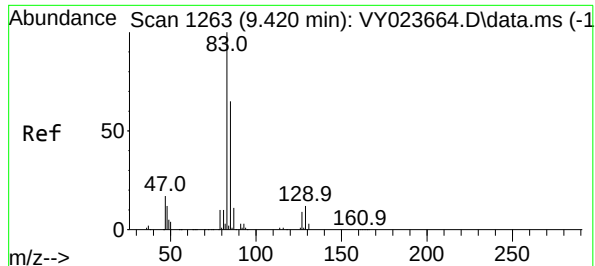
Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.2

174 109.8 89.4 134.0





#47

Bromodichloromethane

Concen: 5.020 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

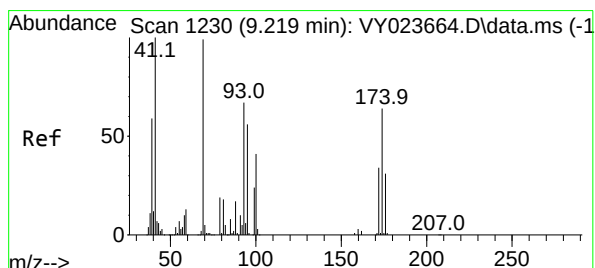
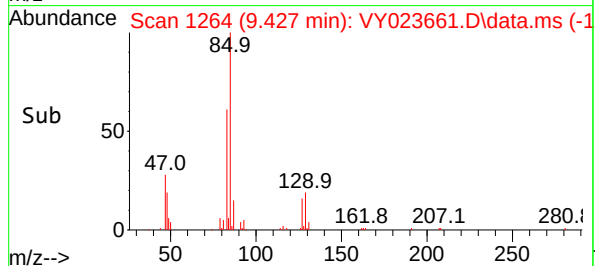
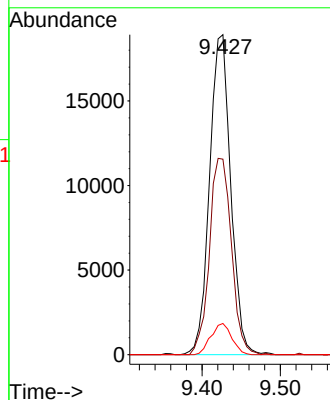
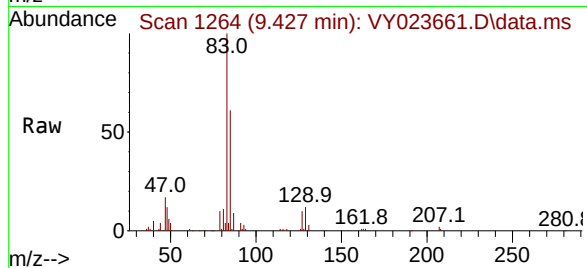
Tgt Ion:	83	Resp:	35539
Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.1	78.1
127	9.8	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 4.138 ug/l

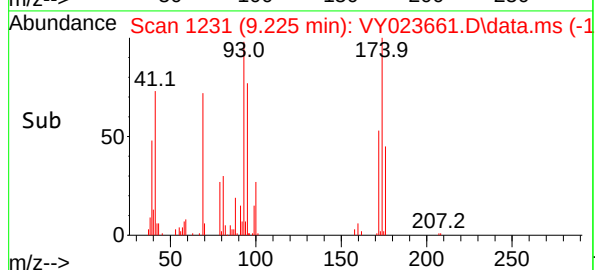
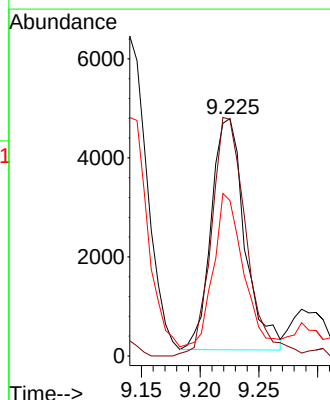
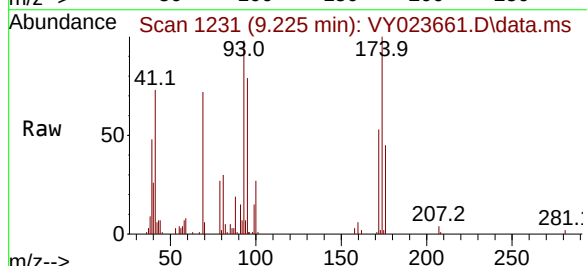
RT: 9.225 min Scan# 1231

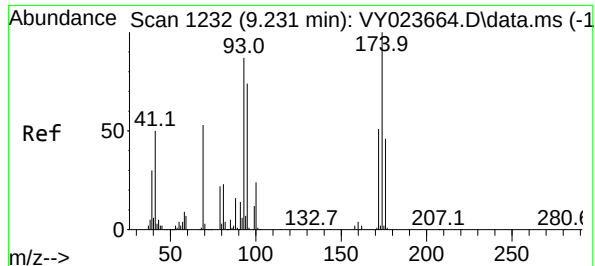
Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	41	Resp:	9263
Ion	Ratio	Lower	Upper
41	100		
69	105.9	80.2	120.2
39	63.4	47.4	71.0





#49

1,4-Dioxane

Concen: 97.232 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

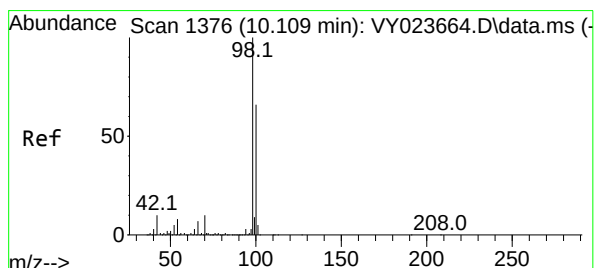
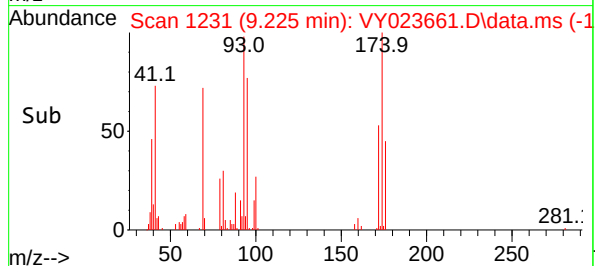
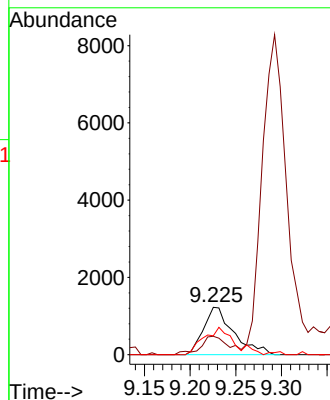
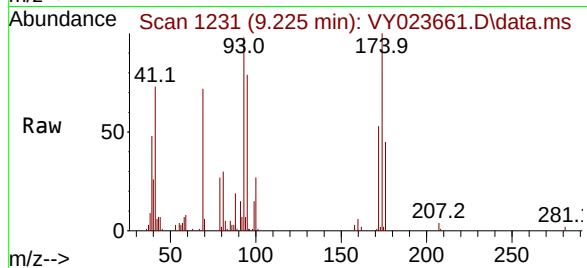
Tgt Ion:	88	Resp:	2794
Ion	Ratio	Lower	Upper
88	100		
43	36.3	22.0	33.0
58	51.3	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 4.766 ug/l

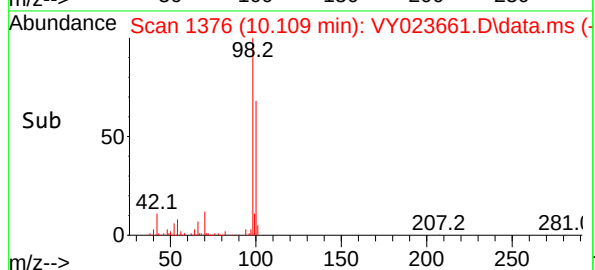
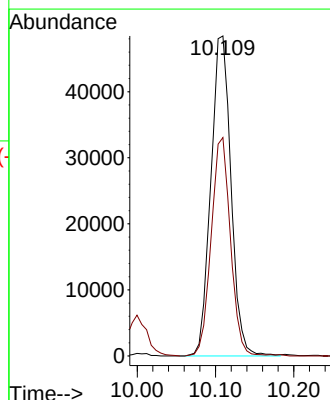
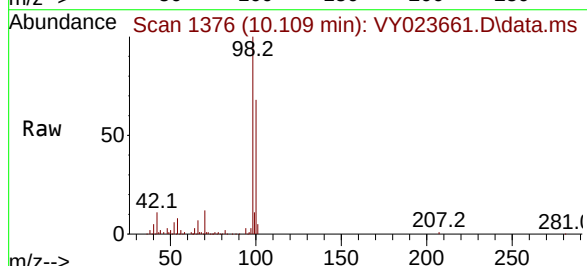
RT: 10.109 min Scan# 1376

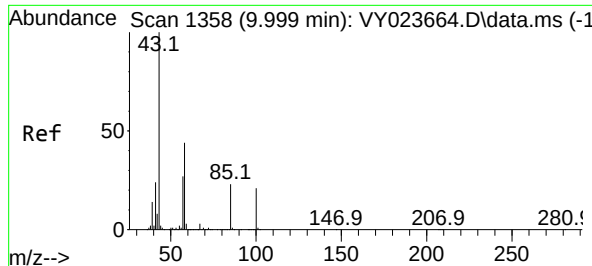
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	98	Resp:	86542
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





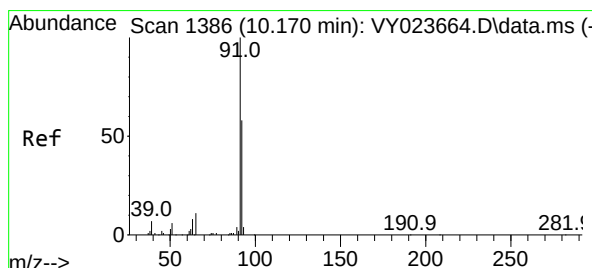
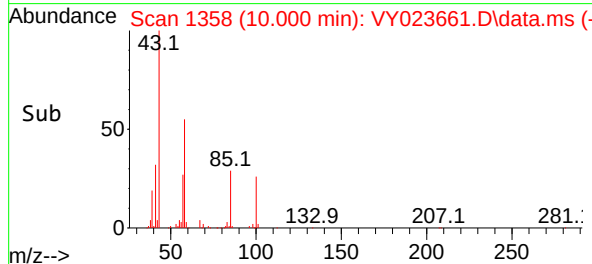
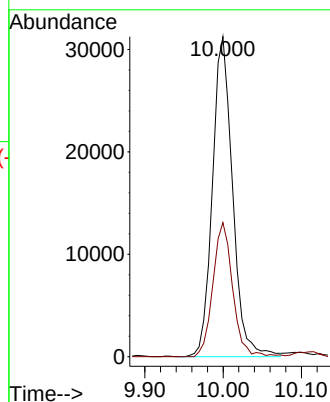
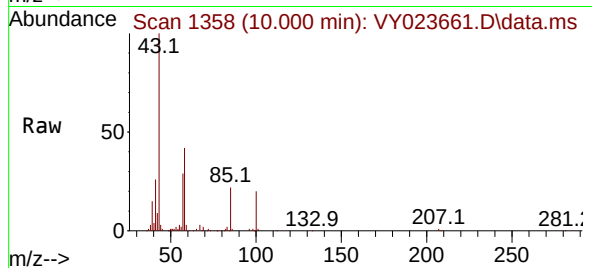
#51
4-Methyl-2-Pentanone
Concen: 22.192 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 55920
Ion Ratio Lower Upper
43 100
58 41.1 34.8 52.2

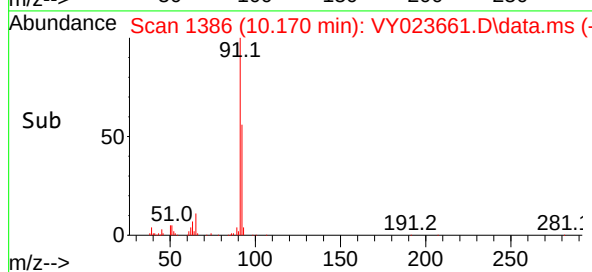
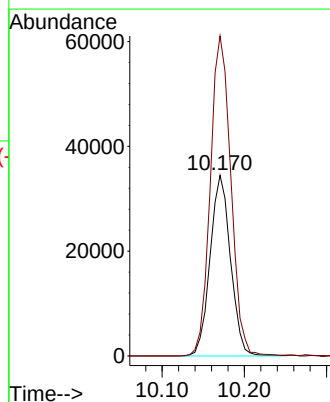
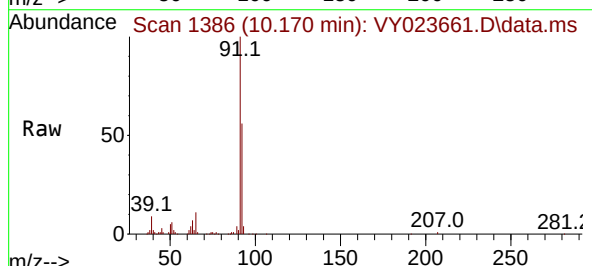
Manual Integrations
APPROVED

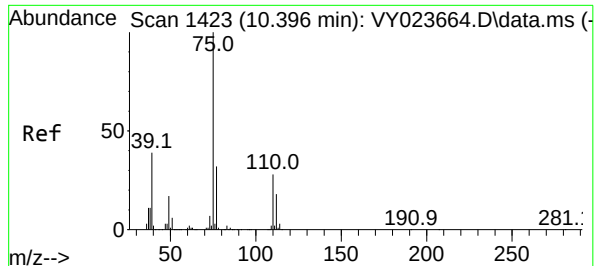
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 4.530 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 92 Resp: 59389
Ion Ratio Lower Upper
92 100
91 179.0 137.8 206.8





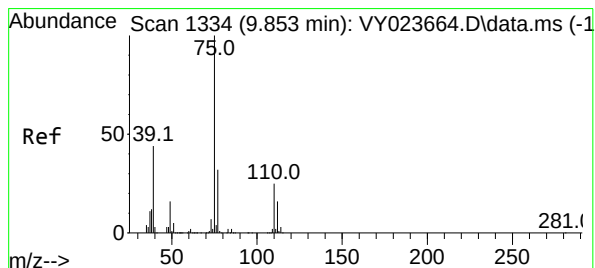
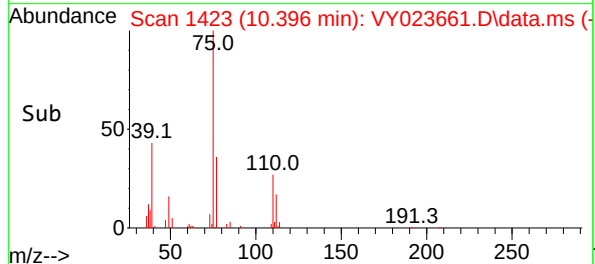
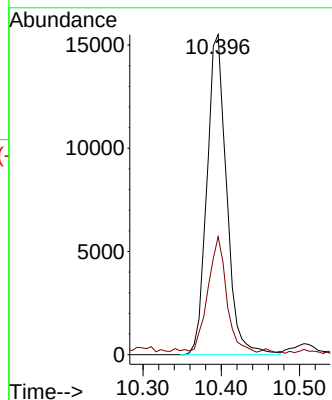
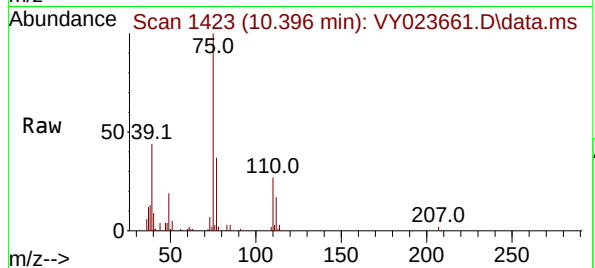
#53
t-1,3-Dichloropropene
Concen: 4.510 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2701
Ion Ratio Lower Upper
75 100
77 35.8 25.6 38.4

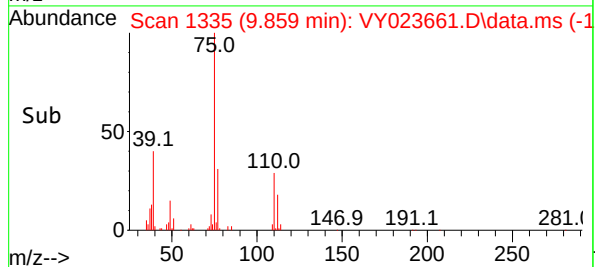
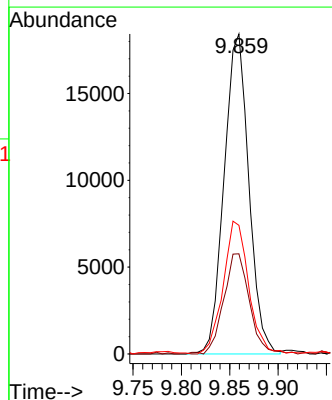
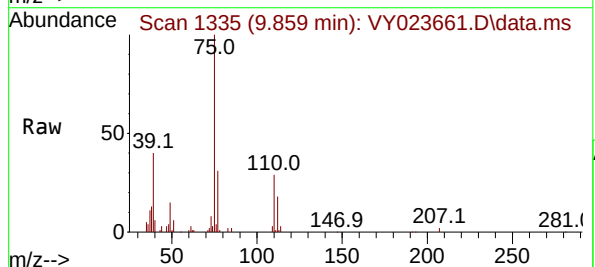
Manual Integrations
APPROVED

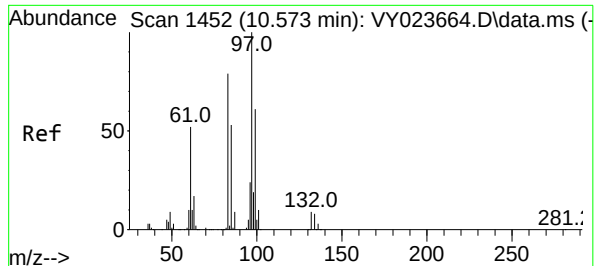
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 75 Resp: 32719
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 39.9 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 5.075 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1904

Ion Ratio Lower Upper

97 100

83 78.2 63.3 94.9

85 49.9 42.4 63.6

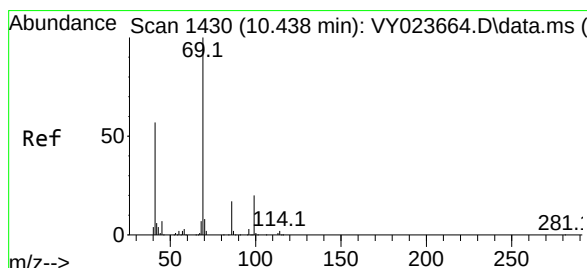
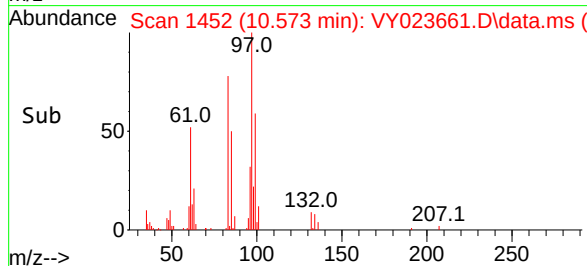
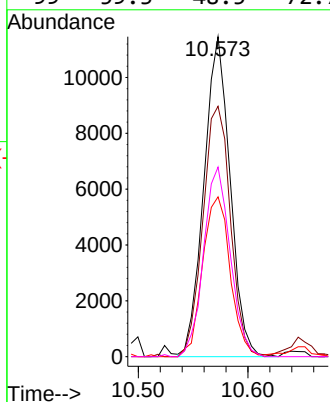
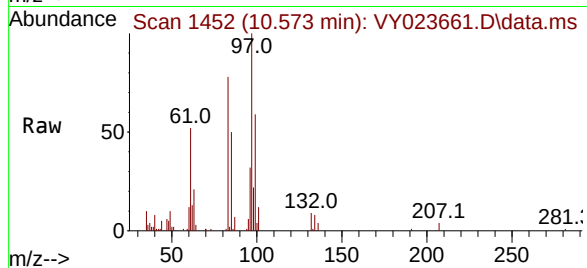
99 59.3 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#56

Ethyl methacrylate

Concen: 3.932 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

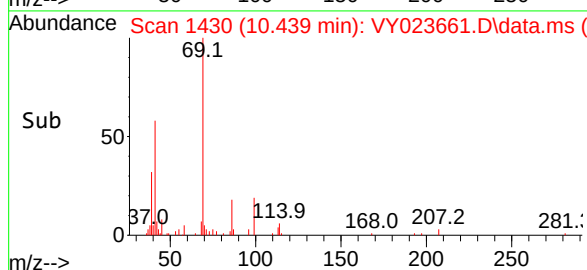
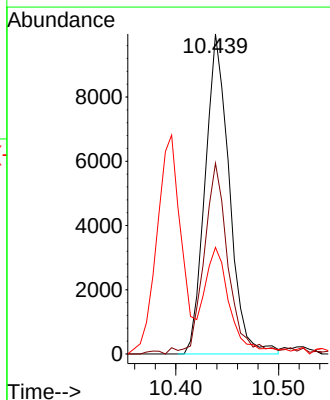
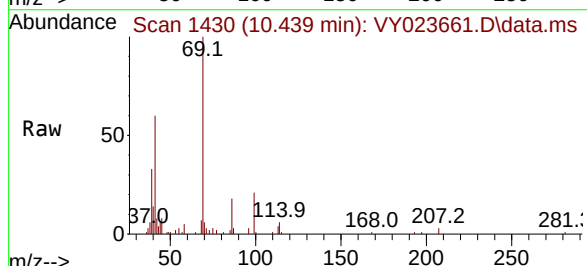
Tgt Ion: 69 Resp: 16257

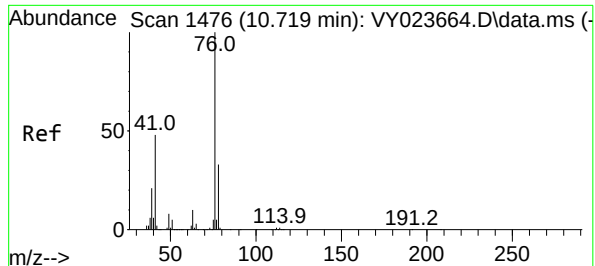
Ion Ratio Lower Upper

69 100

41 60.7 45.0 67.4

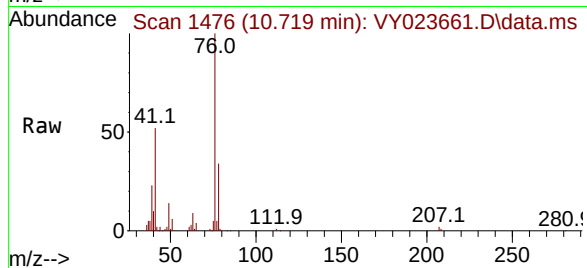
39 33.1 25.1 37.7





#57
1,3-Dichloropropane
Concen: 4.912 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

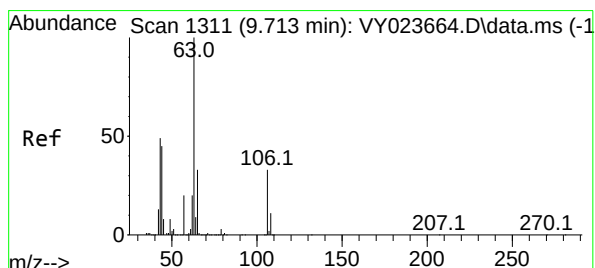
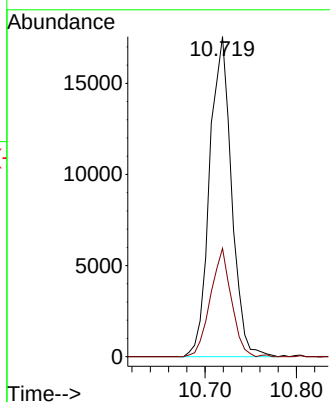
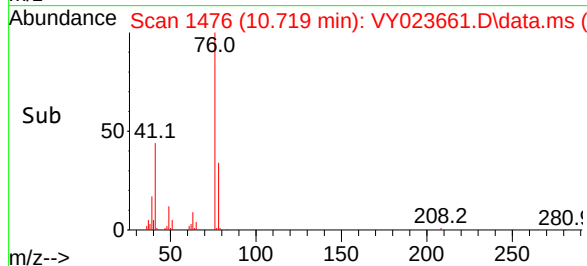
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 29234
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0

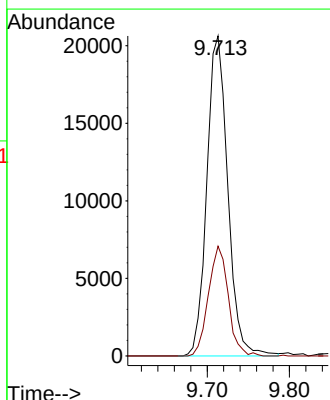
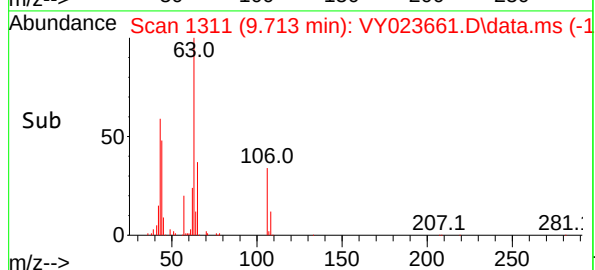
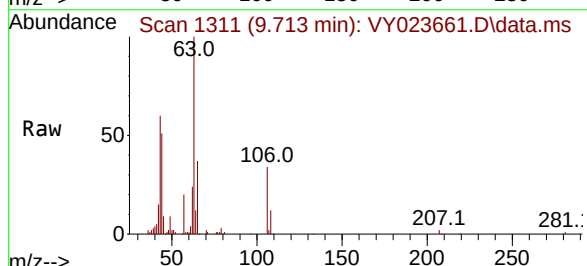
Manual Integrations
APPROVED

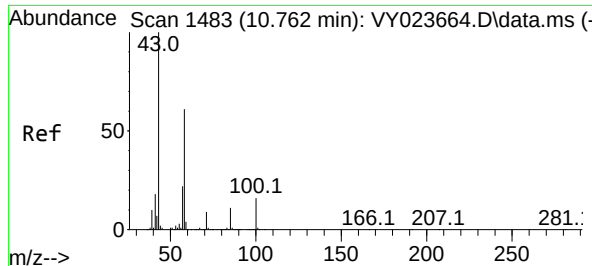
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 19.254 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

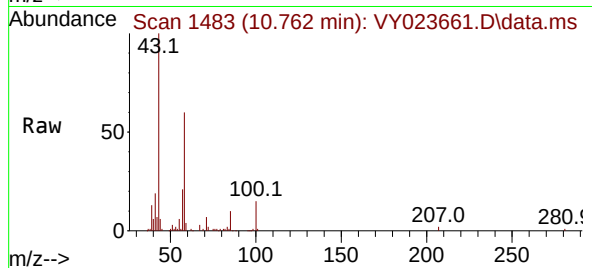
Tgt Ion: 63 Resp: 36528
Ion Ratio Lower Upper
63 100
106 32.5 26.2 39.2





#59
2-Hexanone
Concen: 21.472 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

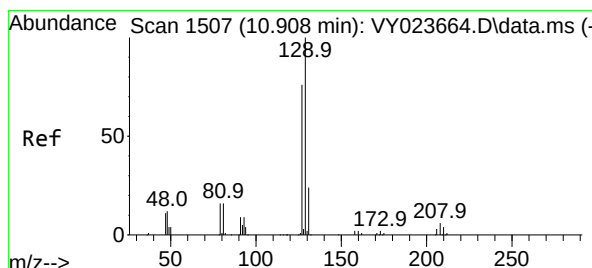
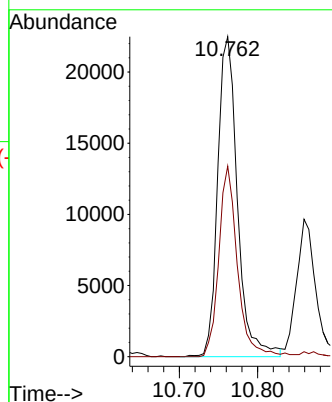
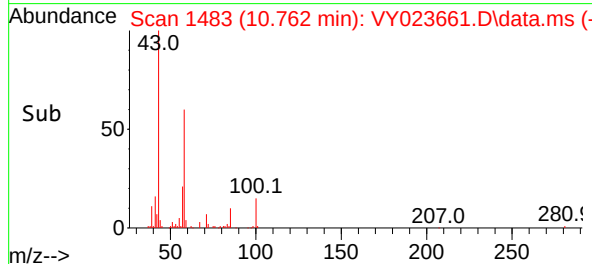
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



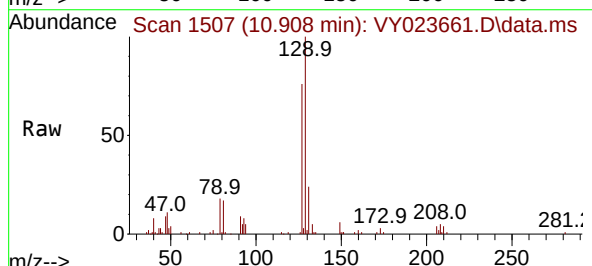
Tgt Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
58 56.3 30.2 90.6

Manual Integrations
APPROVED

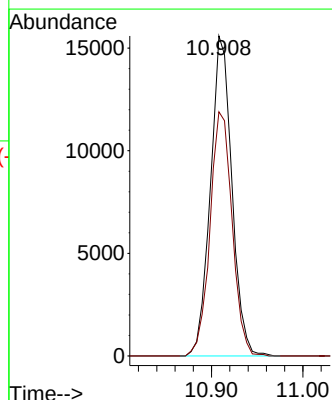
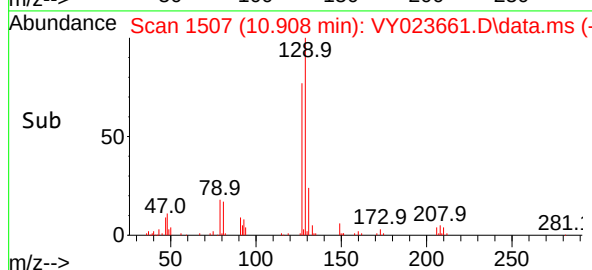
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

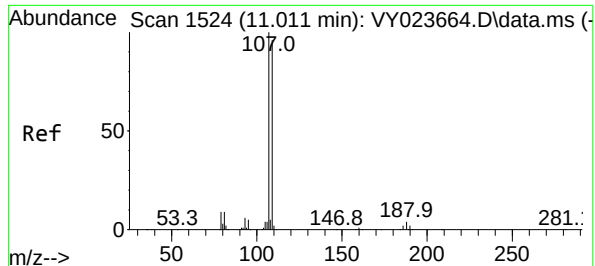


#60
Dibromochloromethane
Concen: 4.921 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



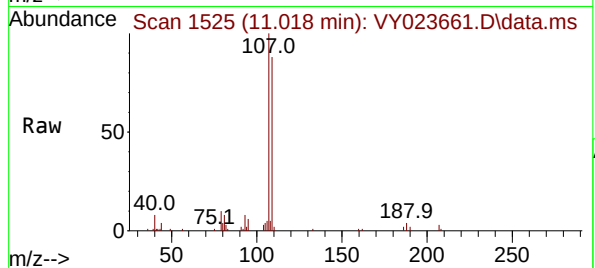
Tgt Ion:129 Resp: 25371
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





#61
1,2-Dibromoethane
Concen: 4.900 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

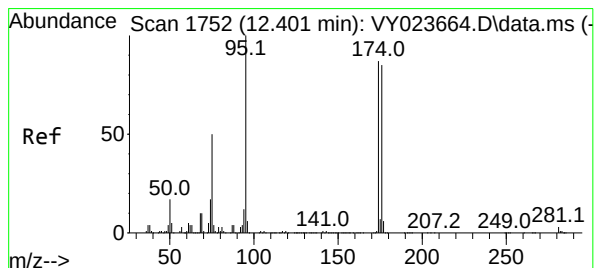
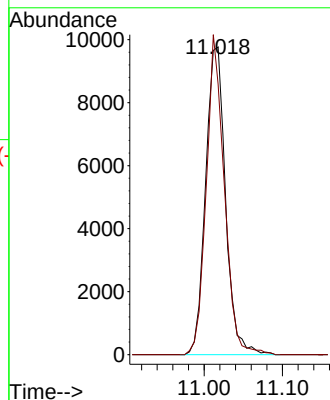
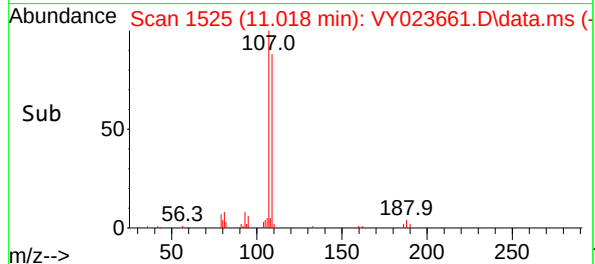
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:107 Resp: 17250
Ion Ratio Lower Upper
107 100
109 93.9 76.2 114.4

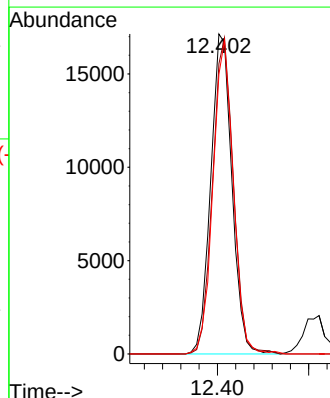
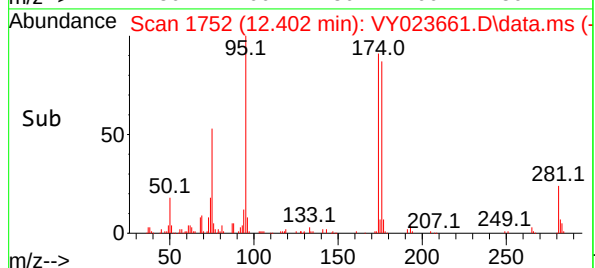
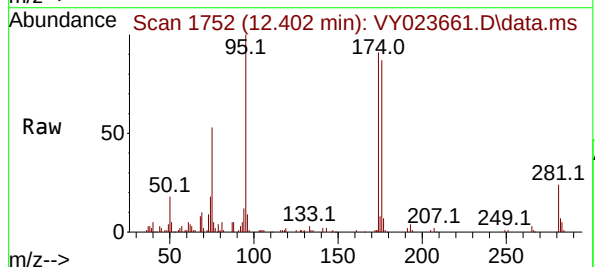
Manual Integrations
APPROVED

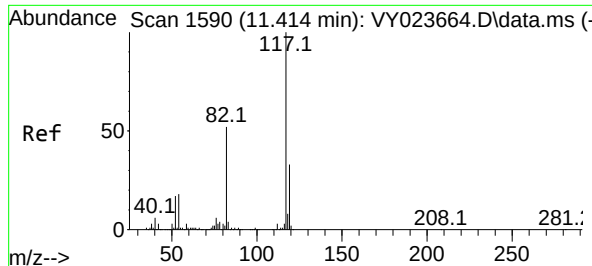
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 4.698 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 95 Resp: 27590
Ion Ratio Lower Upper
95 100
174 96.8 0.0 184.8
176 93.9 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 667589

Ion Ratio Lower Upper

117 100

82 50.0 41.2 61.8

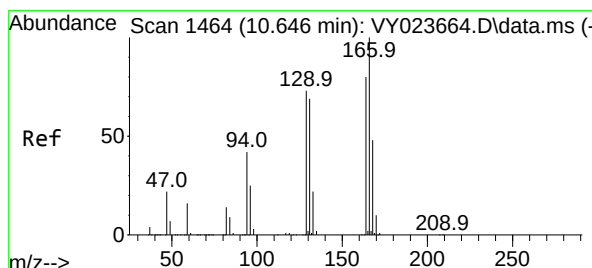
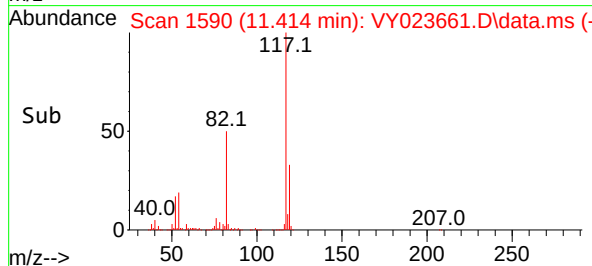
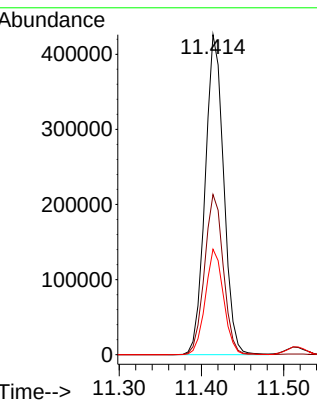
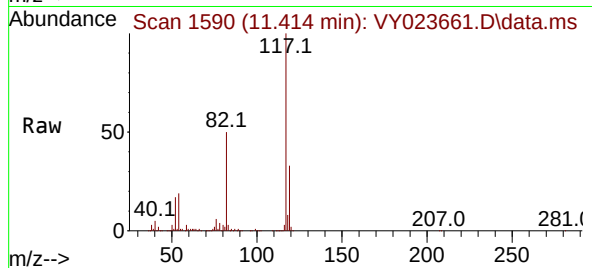
119 33.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 5.320 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:164 Resp: 36969

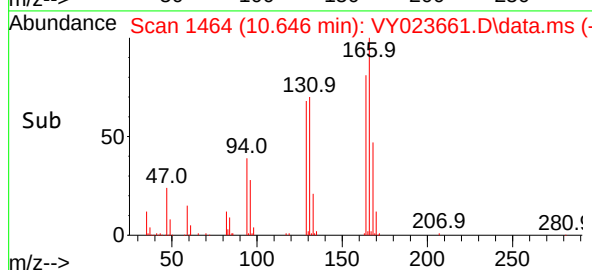
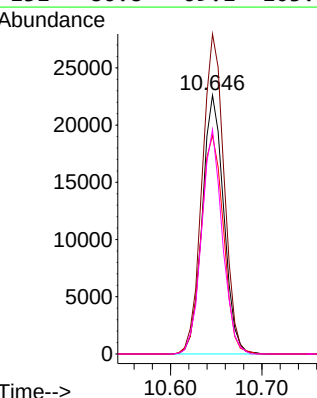
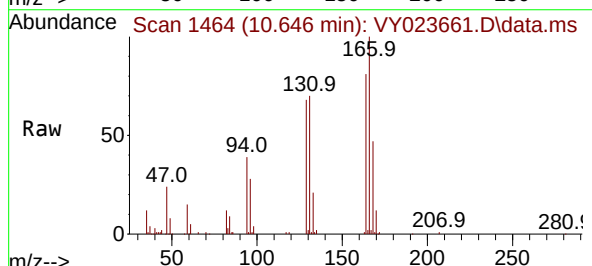
Ion Ratio Lower Upper

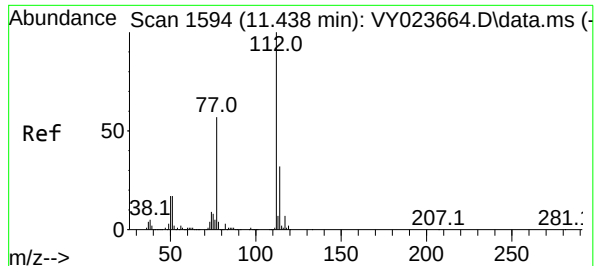
164 100

166 123.7 99.5 149.3

129 84.5 72.3 108.5

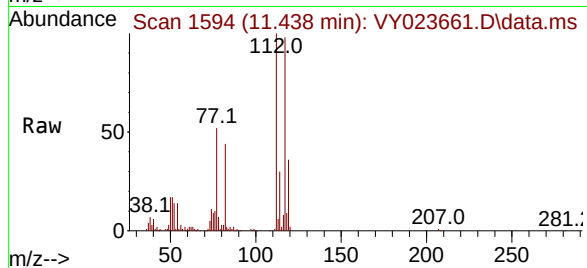
131 86.8 69.1 103.7





#65
Chlorobenzene
Concen: 5.034 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

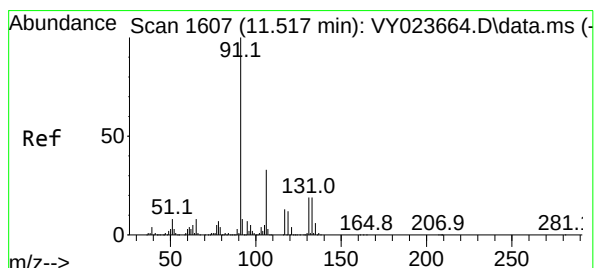
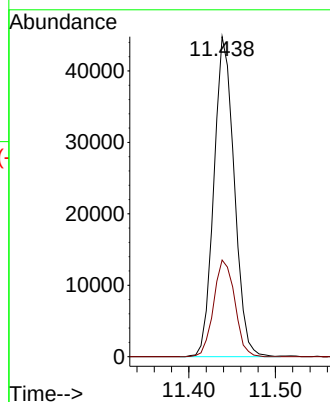
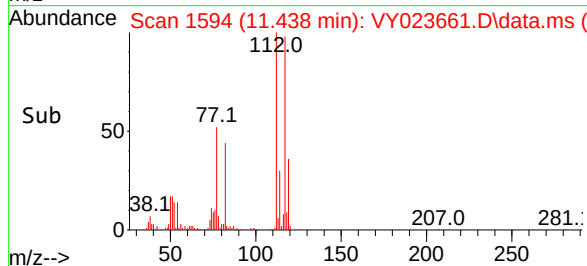
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



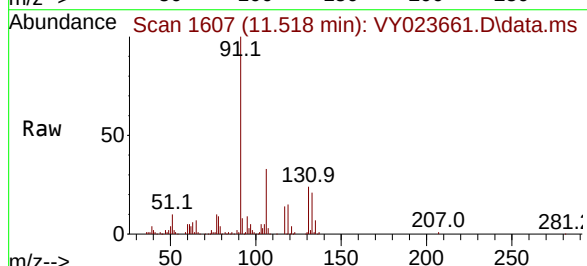
Tgt Ion:112 Resp: 73160
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.6

Manual Integrations
APPROVED

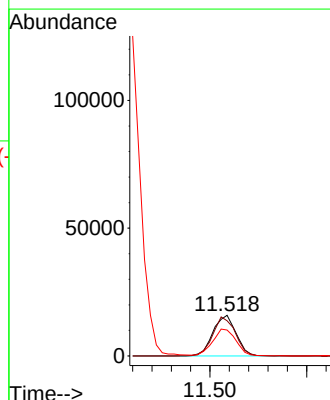
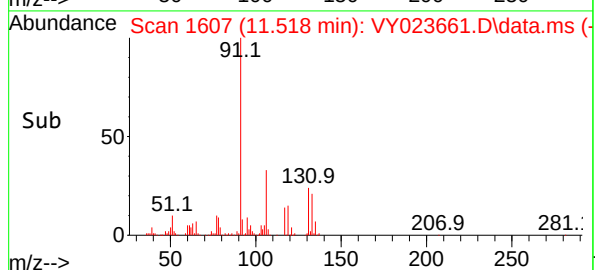
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

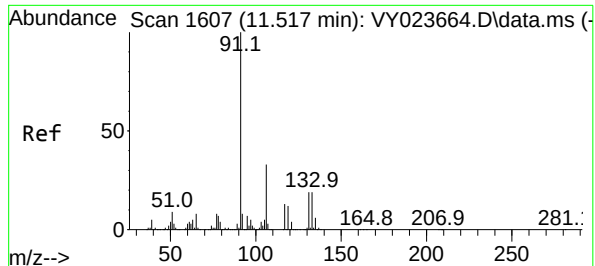


#66
1,1,1,2-Tetrachloroethane
Concen: 5.143 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



Tgt Ion:131 Resp: 26429
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.8
119 67.5 32.5 97.4





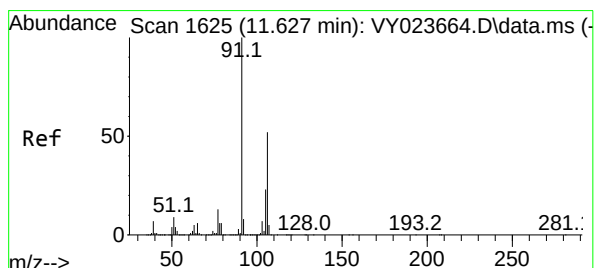
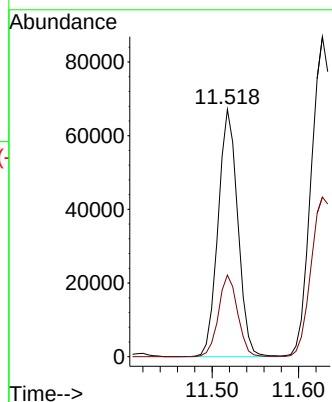
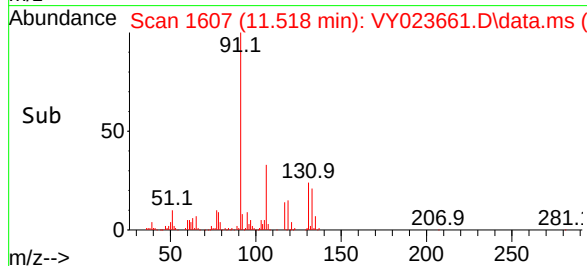
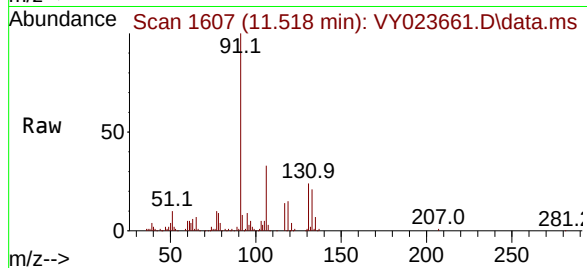
#67
Ethyl Benzene
Concen: 4.508 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 10604
Ion Ratio Lower Upper
91 100
106 33.0 26.6 40.0

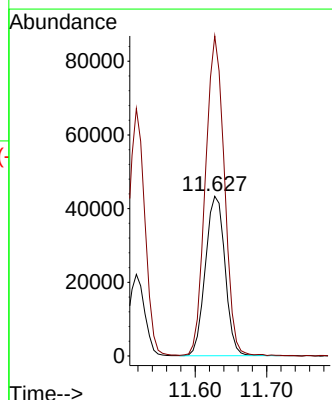
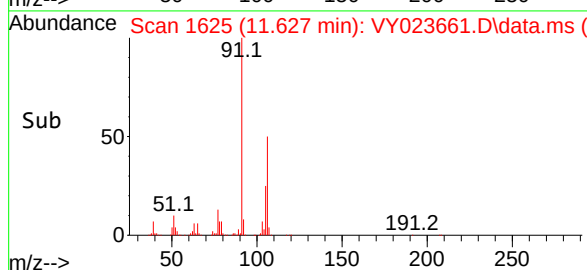
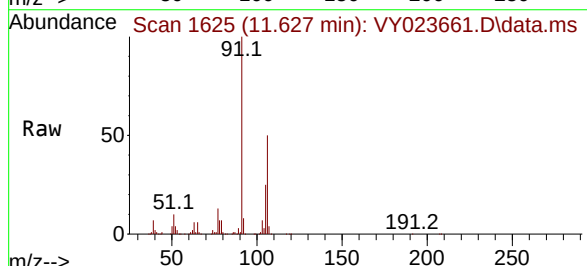
Manual Integrations
APPROVED

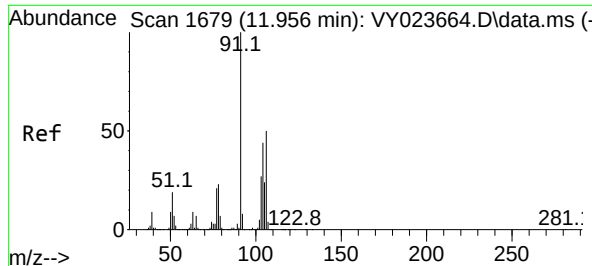
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 8.785 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion:106 Resp: 82562
Ion Ratio Lower Upper
106 100
91 194.5 154.3 231.5





#69

o-Xylene

Concen: 4.317 ug/l

RT: 11.951 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 3750

Ion Ratio Lower Upper

106 100

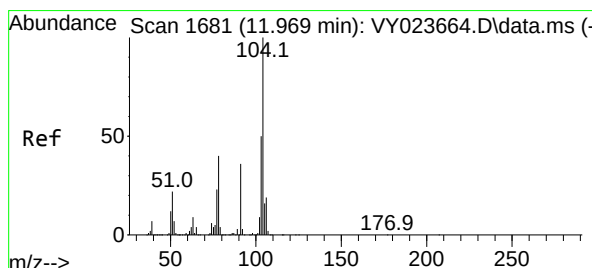
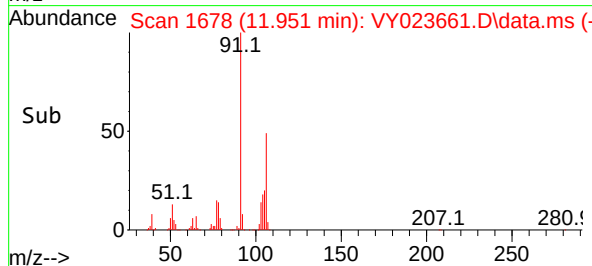
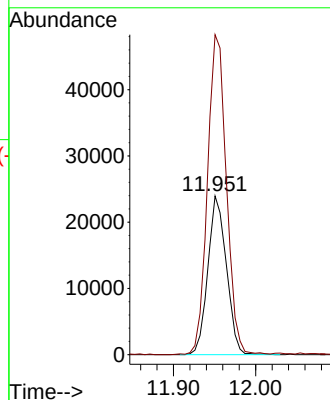
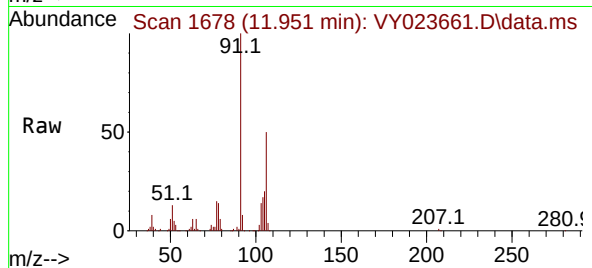
91 206.2 101.6 304.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#70

Styrene

Concen: 4.204 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

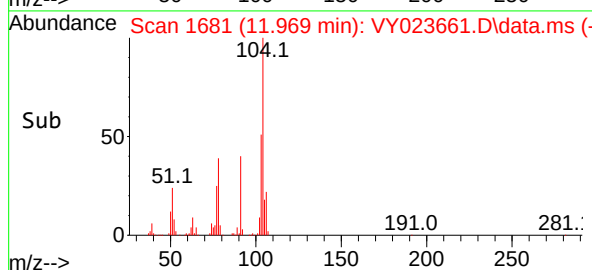
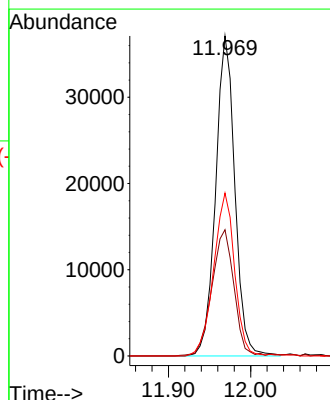
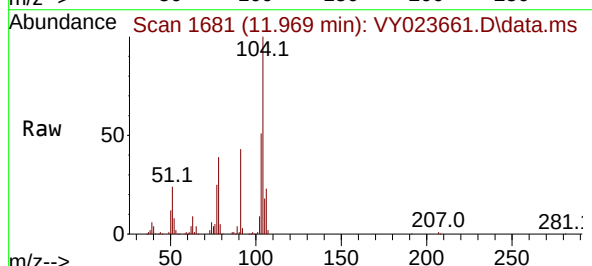
Tgt Ion:104 Resp: 60258

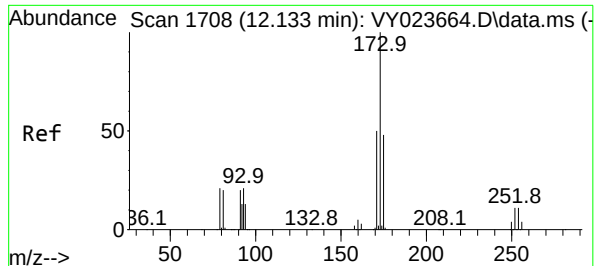
Ion Ratio Lower Upper

104 100

78 45.2 36.5 54.7

103 55.5 43.7 65.5





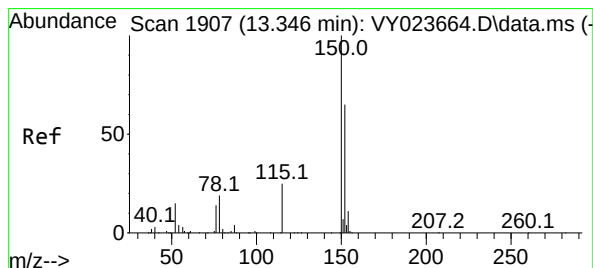
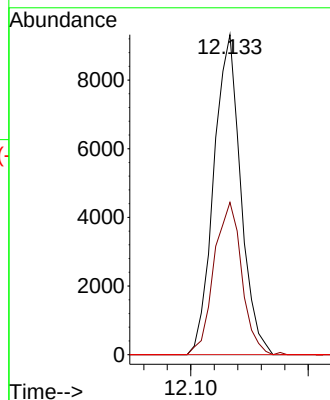
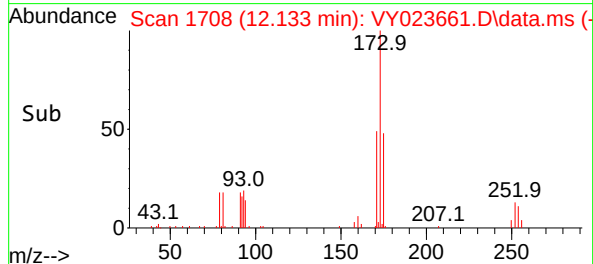
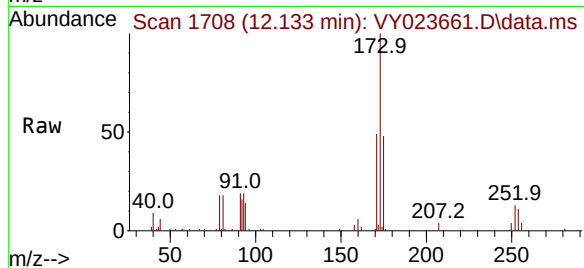
#71
Bromoform
Concen: 4.944 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 14838
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.2 0.2

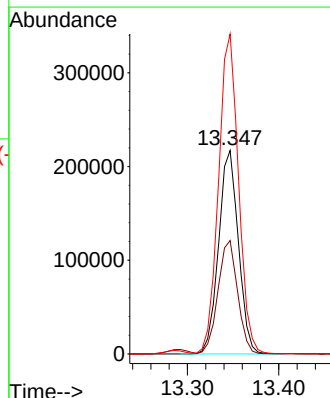
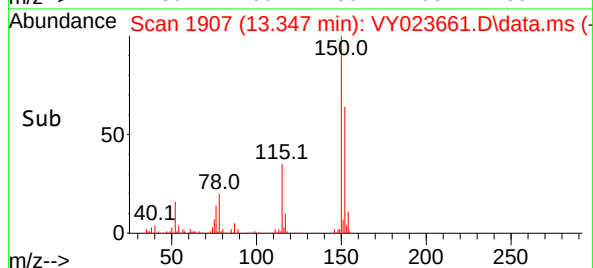
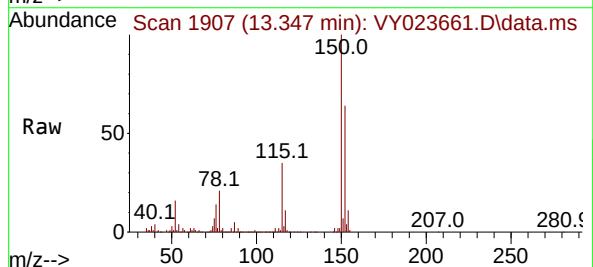
Manual Integrations
APPROVED

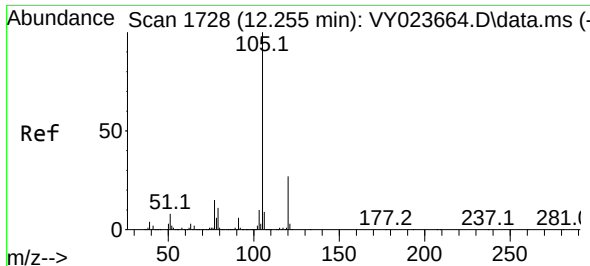
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

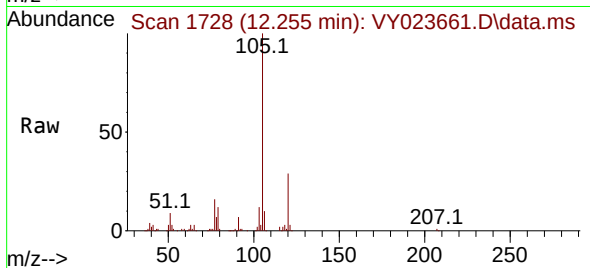
Tgt Ion:152 Resp: 326953
Ion Ratio Lower Upper
152 100
115 55.2 27.5 82.5
150 158.5 0.0 349.0





#73
Isopropylbenzene
Concen: 4.396 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

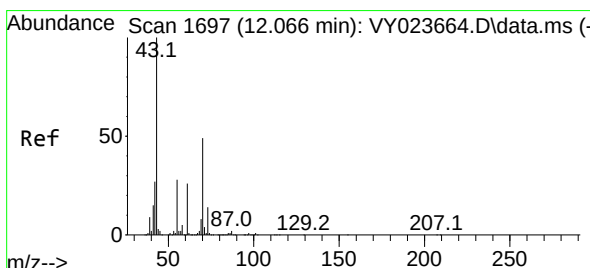
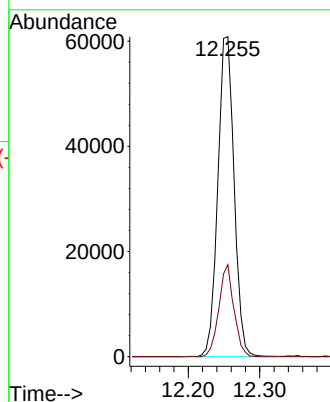
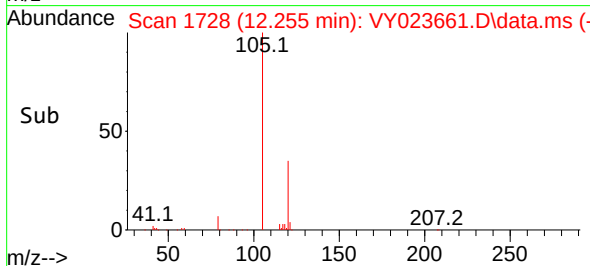
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 96120
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.7

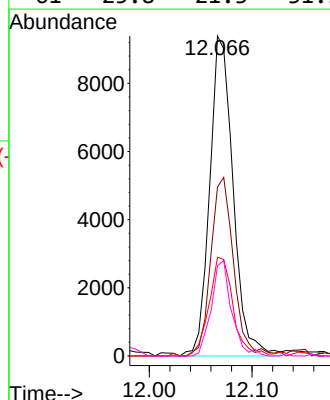
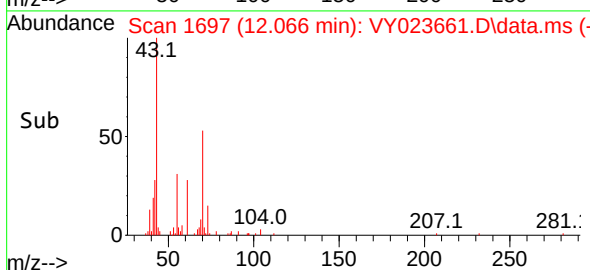
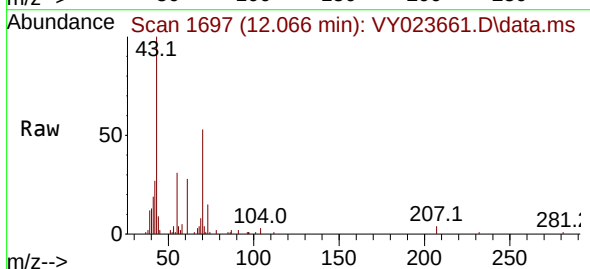
Manual Integrations
APPROVED

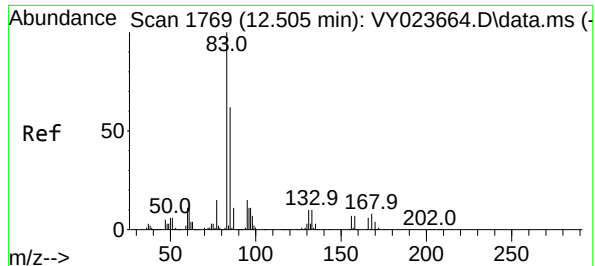
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 4.019 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 43 Resp: 14878
Ion Ratio Lower Upper
43 100
70 54.2 40.1 60.1
55 31.8 23.0 34.6
61 25.8 21.3 31.9





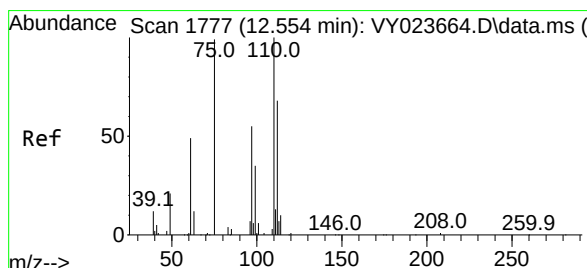
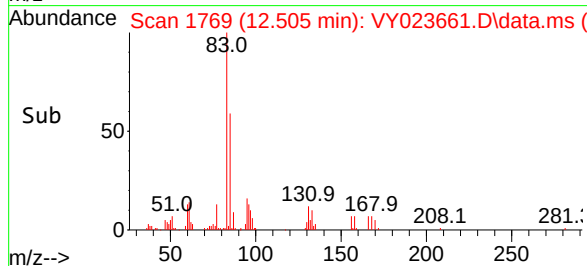
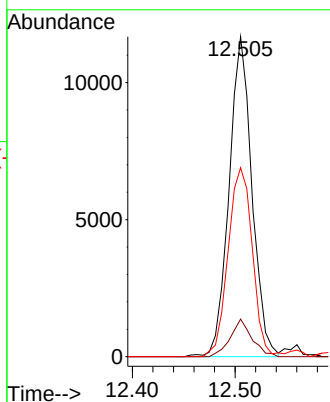
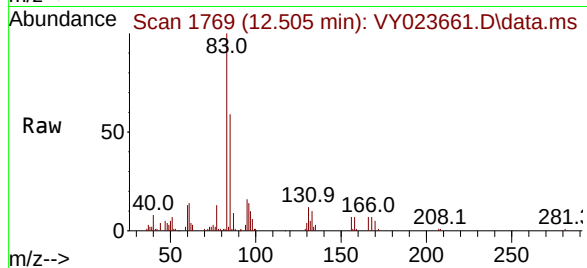
#75
1,1,2-Tetrachloroethane
Concen: 5.181 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18090
Ion Ratio Lower Upper
83 100
131 11.1 5.7 17.0
85 62.6 31.9 95.7

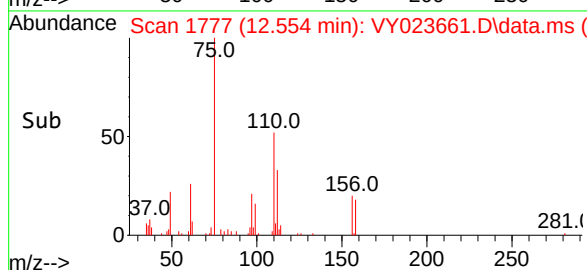
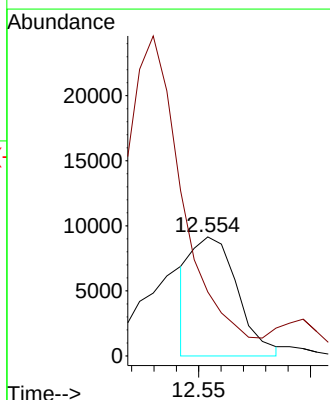
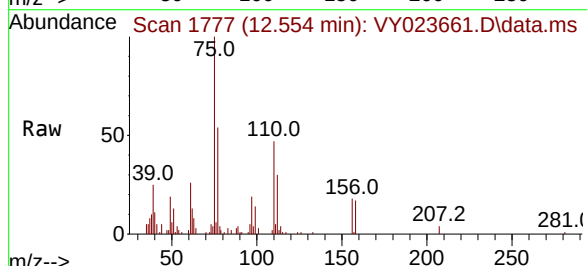
Manual Integrations
APPROVED

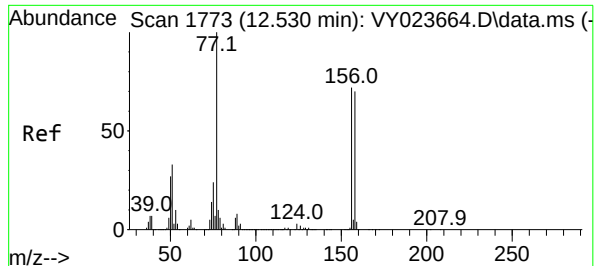
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 4.977 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 75 Resp: 13170
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





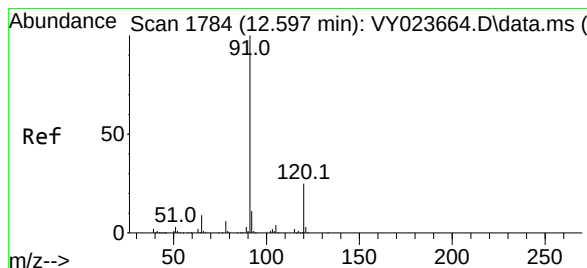
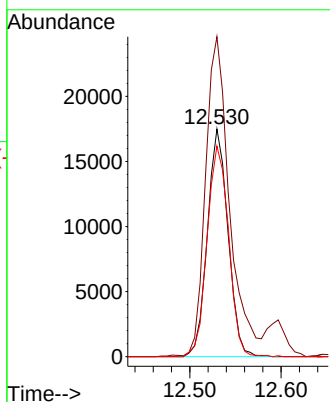
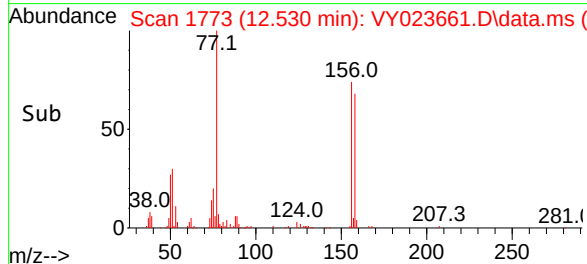
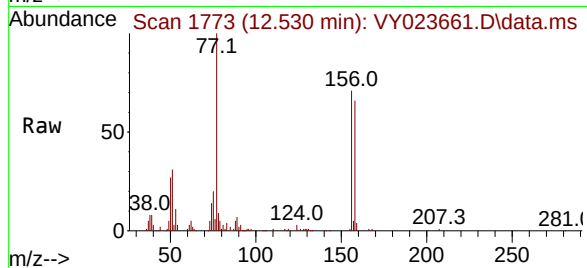
#77
Bromobenzene
Concen: 4.826 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 27375
Ion Ratio Lower Upper
156 100
77 163.9 77.9 233.7
158 96.8 48.5 145.5

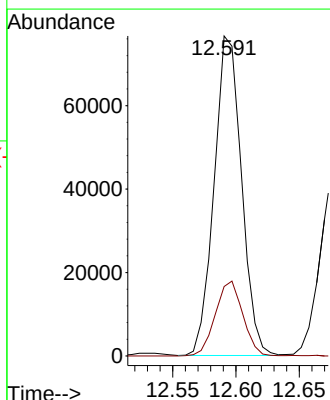
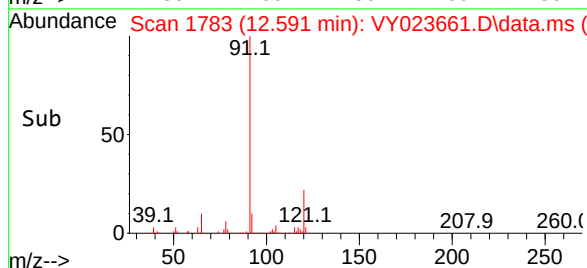
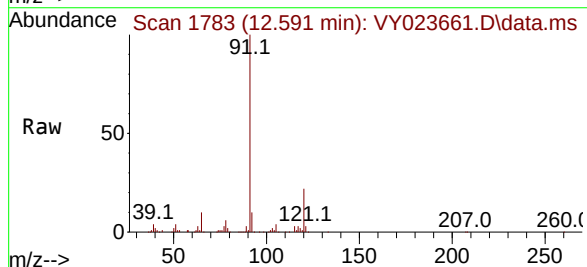
Manual Integrations
APPROVED

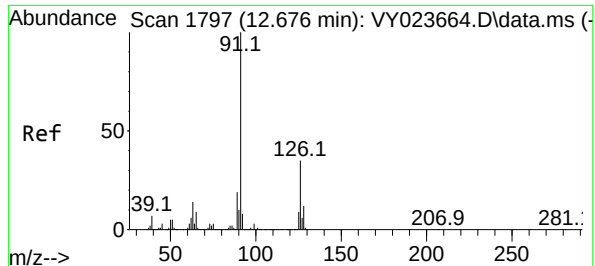
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 4.482 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 91 Resp: 115286
Ion Ratio Lower Upper
91 100
120 23.5 12.0 36.1





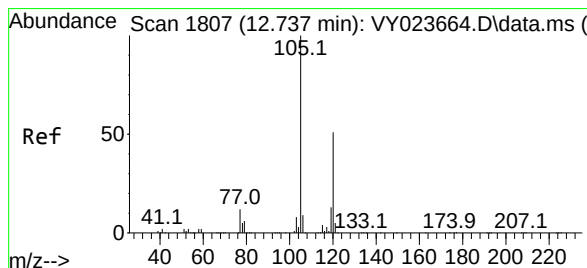
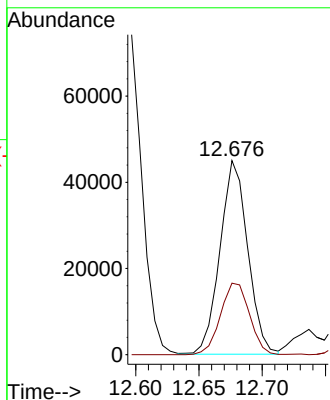
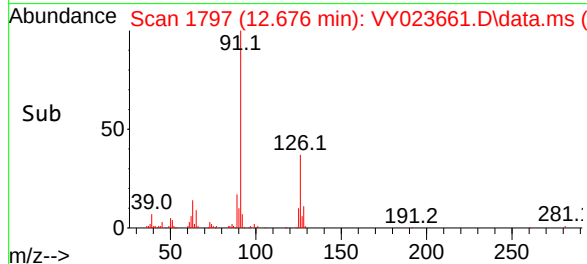
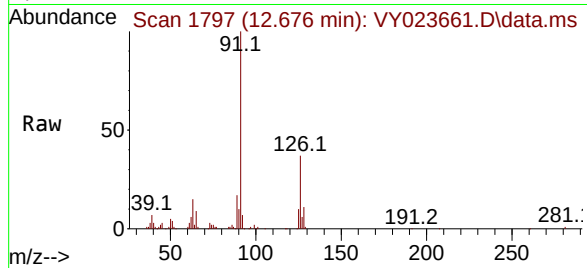
#79
2-Chlorotoluene
Concen: 4.599 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 68648
Ion Ratio Lower Upper
91 100
126 38.6 18.0 54.0

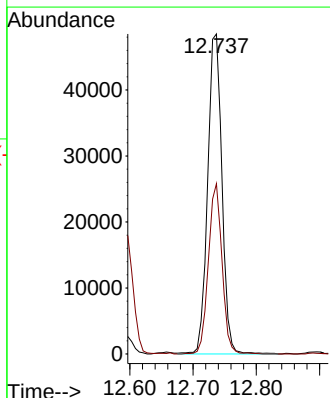
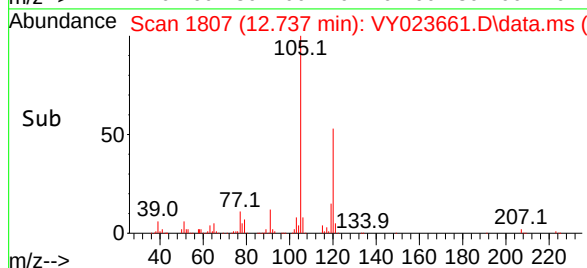
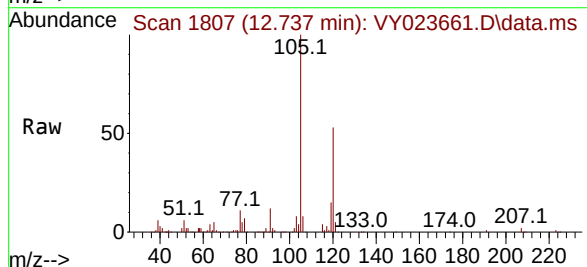
Manual Integrations
APPROVED

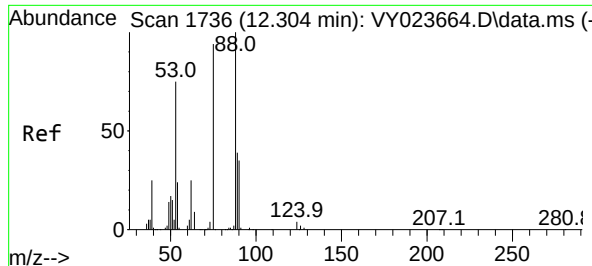
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.288 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

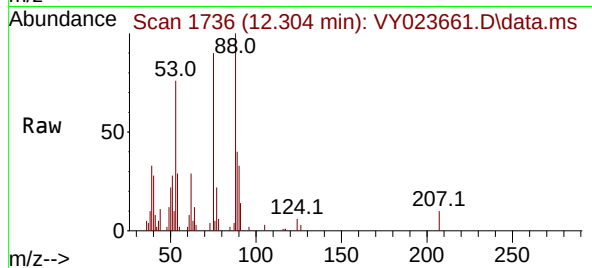
Tgt Ion:105 Resp: 76176
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.829 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

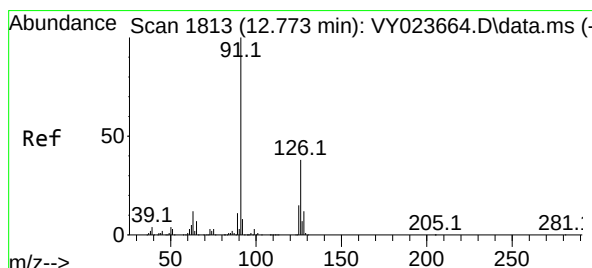
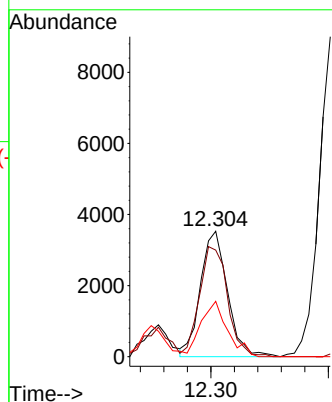
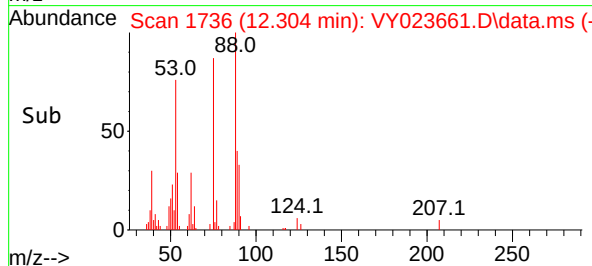
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 5654
Ion Ratio Lower Upper
75 100
53 90.7 69.6 104.4
89 43.1 38.2 57.4

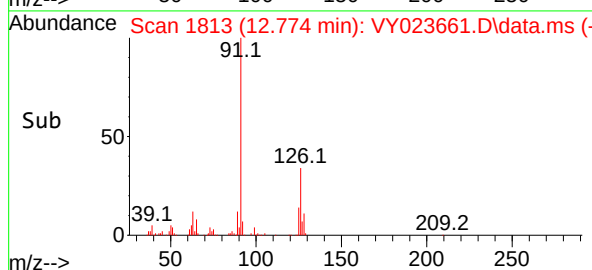
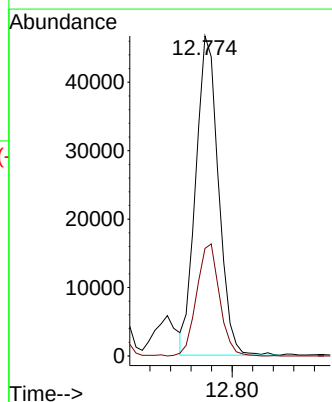
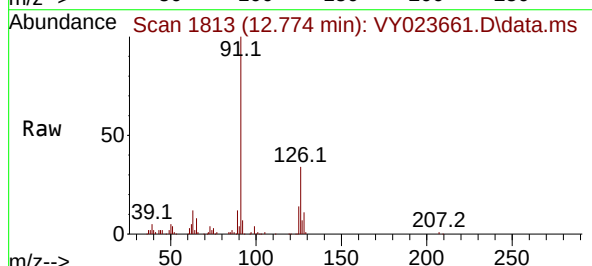
Manual Integrations
APPROVED

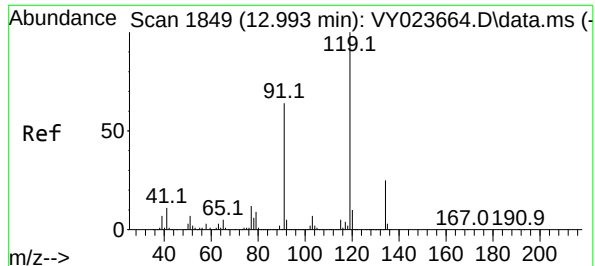
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 4.657 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

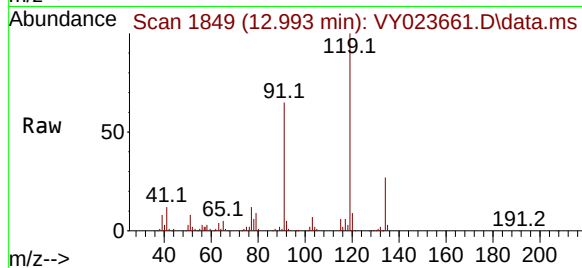
Tgt Ion: 91 Resp: 71686
Ion Ratio Lower Upper
91 100
126 35.4 18.1 54.4





#83
tert-Butylbenzene
Concen: 4.388 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

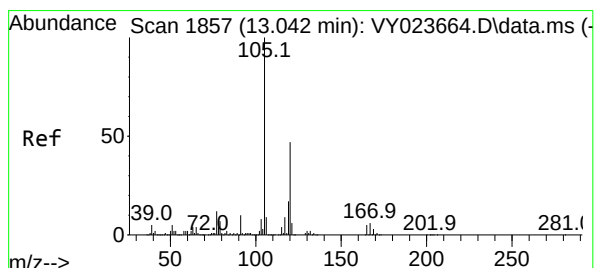
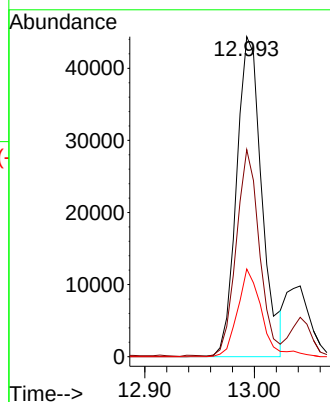
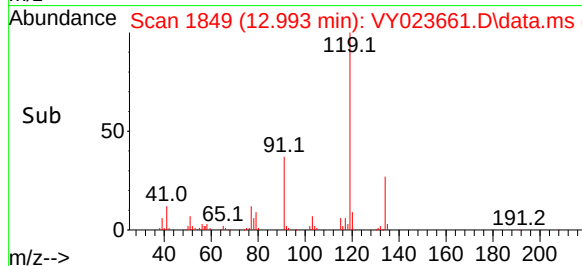
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



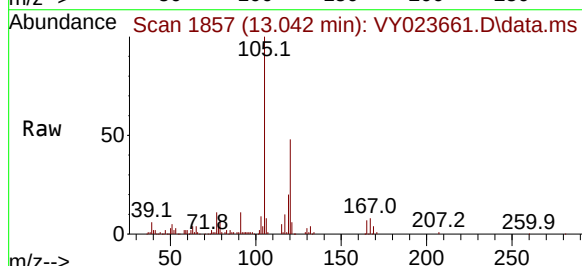
Tgt Ion:119 Resp: 70998
Ion Ratio Lower Upper
119 100
91 59.4 30.7 92.1
134 26.2 13.1 39.1

Manual Integrations
APPROVED

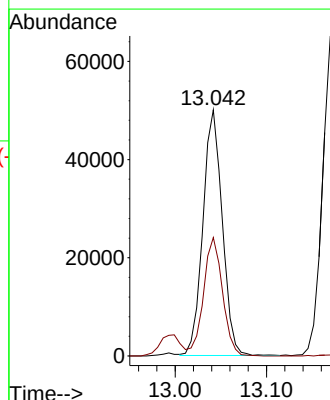
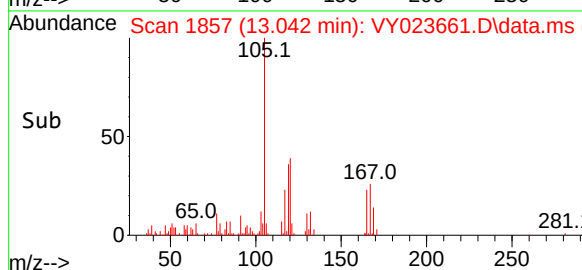
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

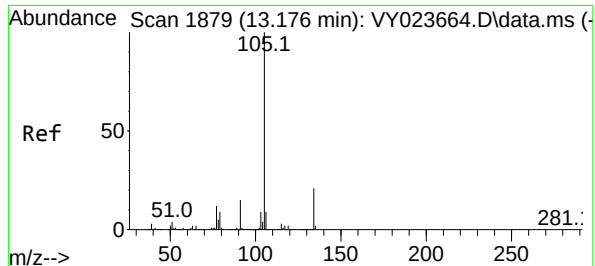


#84
1,2,4-Trimethylbenzene
Concen: 4.177 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



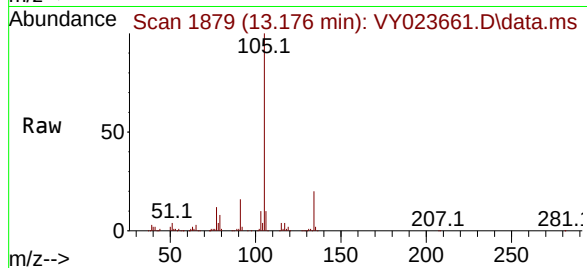
Tgt Ion:105 Resp: 73513
Ion Ratio Lower Upper
105 100
120 47.4 23.2 69.6





#85
sec-Butylbenzene
Concen: 4.450 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

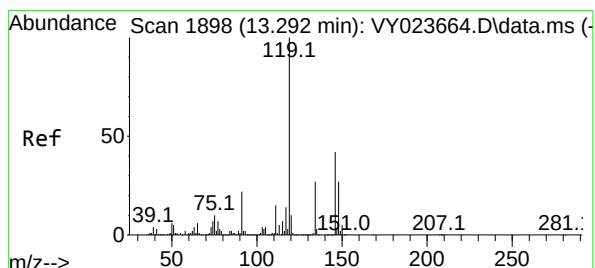
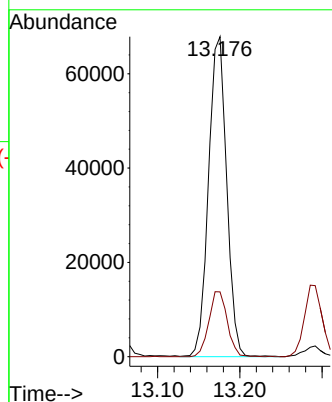
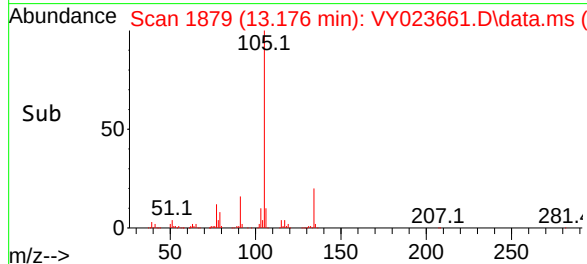
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



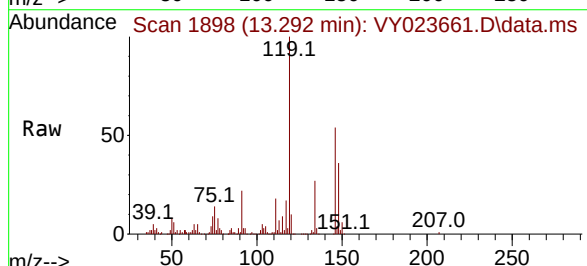
Tgt Ion:105 Resp: 103852
Ion Ratio Lower Upper
105 100
134 20.6 10.4 31.4

Manual Integrations
APPROVED

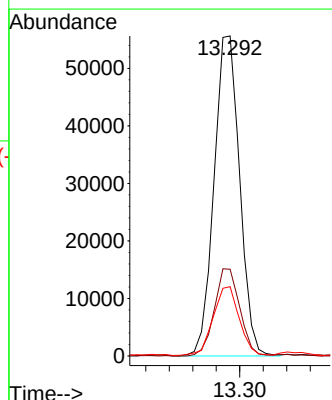
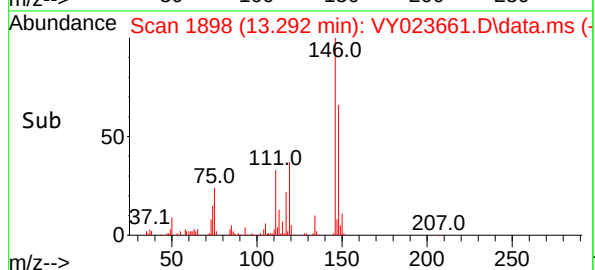
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

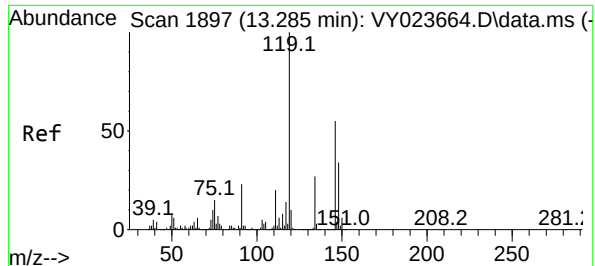


#86
p-Isopropyltoluene
Concen: 4.265 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



Tgt Ion:119 Resp: 84269
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 4.919 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

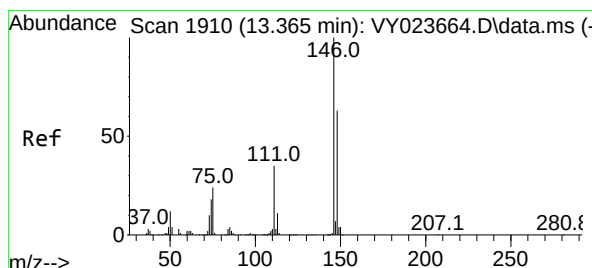
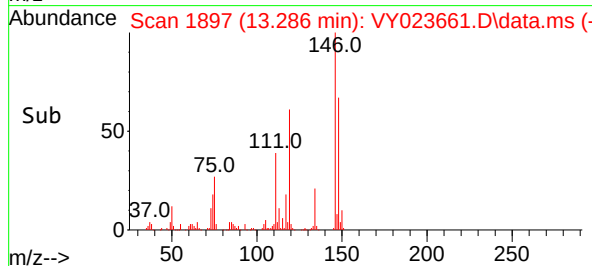
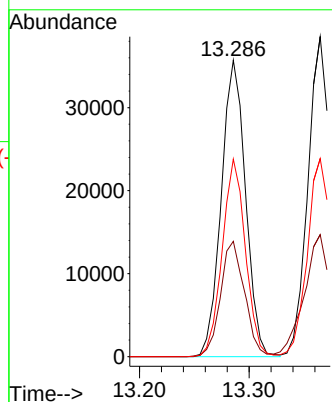
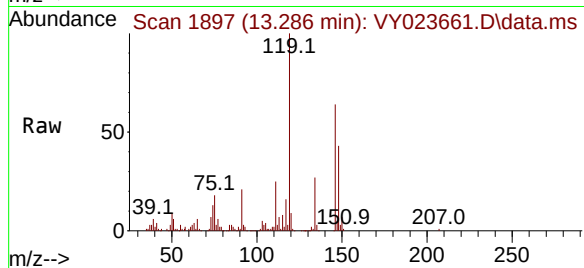
Tgt Ion:146	Resp:	54910
Ion Ratio	Lower	Upper
146	100	
111	38.4	18.8 56.3
148	63.9	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 5.223 ug/l

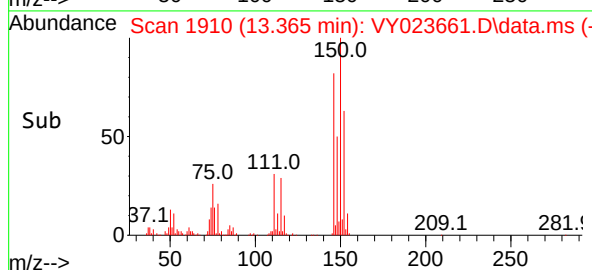
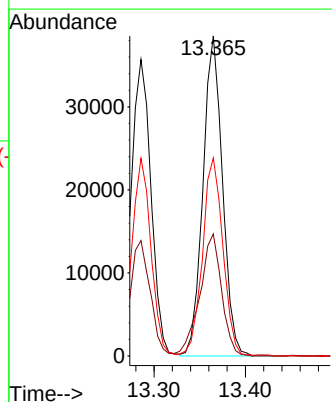
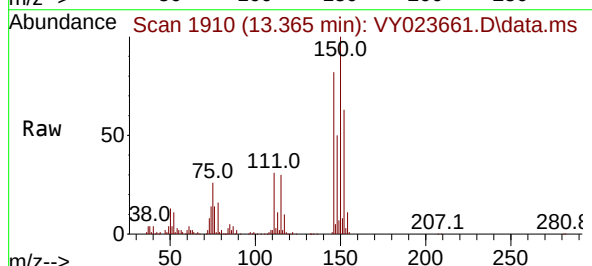
RT: 13.365 min Scan# 1910

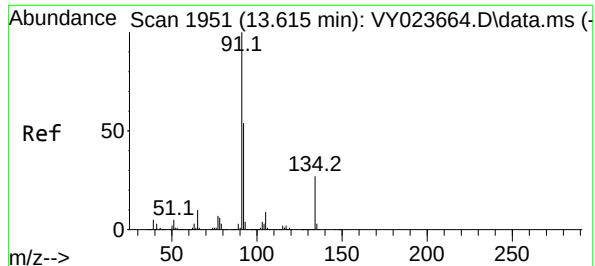
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:146	Resp:	57281
Ion Ratio	Lower	Upper
146	100	
111	42.7	18.3 54.8
148	64.8	31.8 95.3





#89

n-Butylbenzene

Concen: 4.364 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

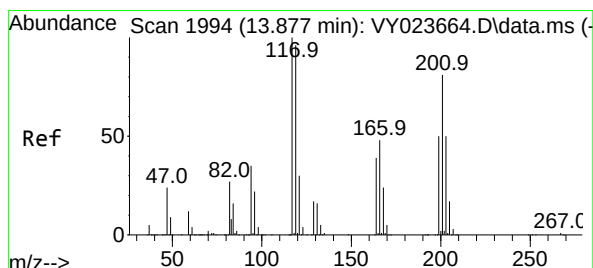
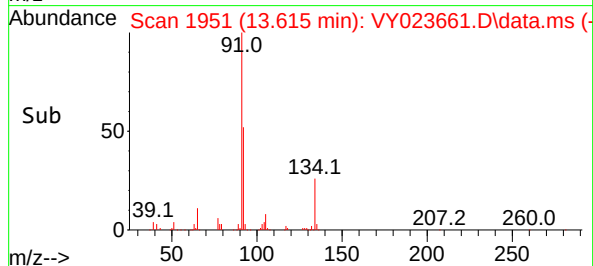
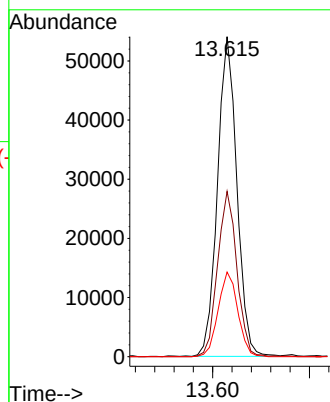
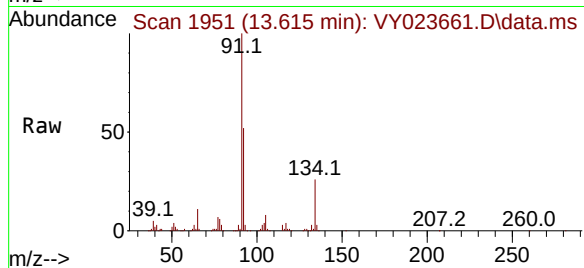
Tgt Ion:	91	Resp:	74974
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.4
134	26.9	13.7	41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 5.060 ug/l

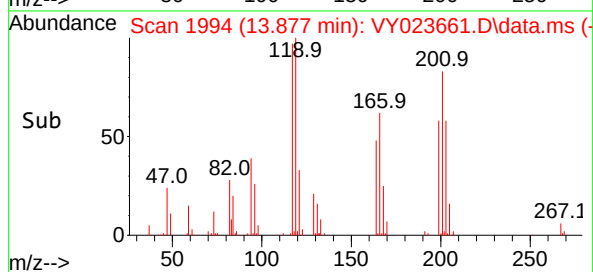
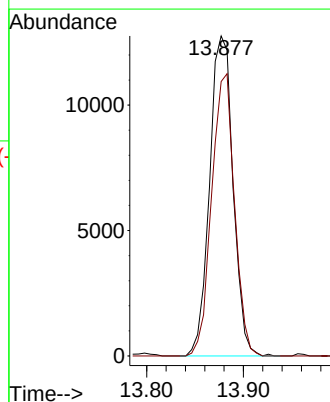
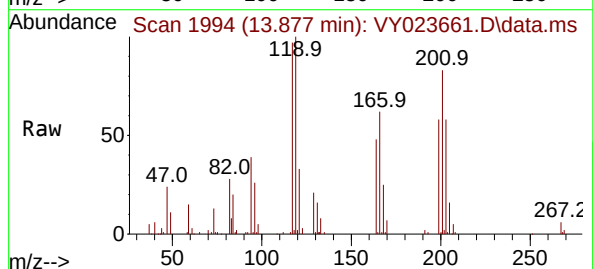
RT: 13.877 min Scan# 1994

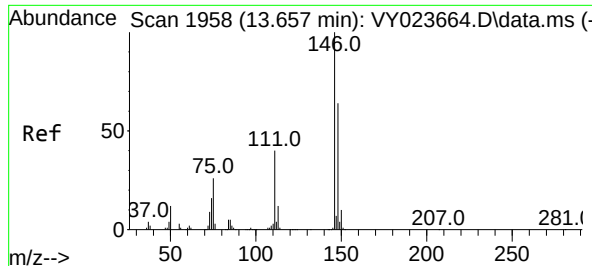
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

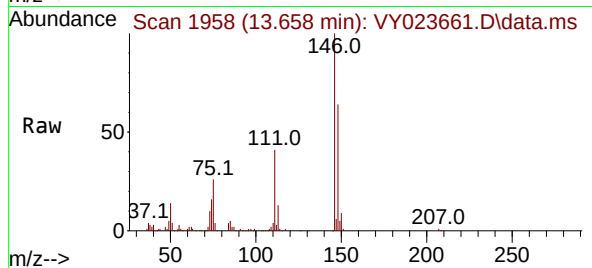
Tgt Ion:	117	Resp:	21483
Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.3	126.8





#91
1,2-Dichlorobenzene
Concen: 4.989 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

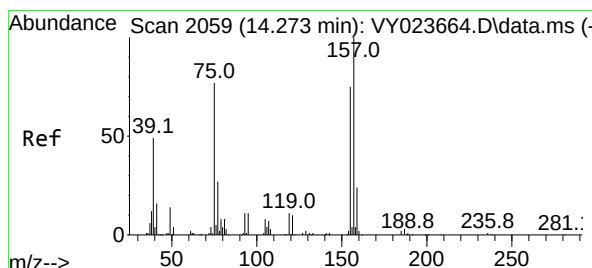
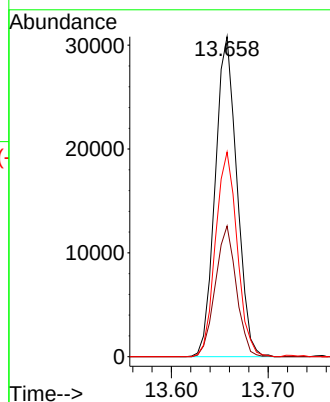
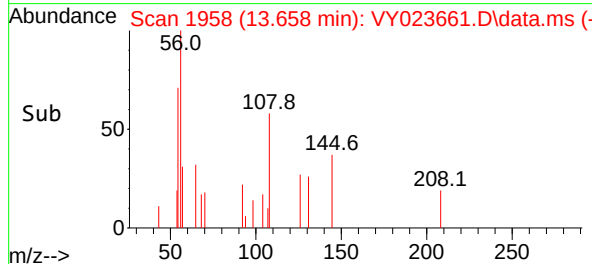
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



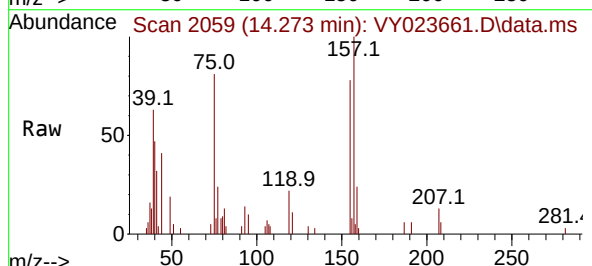
Tgt Ion:146 Resp: 47997
Ion Ratio Lower Upper
146 100
111 39.5 19.5 58.5
148 63.9 31.9 95.9

Manual Integrations
APPROVED

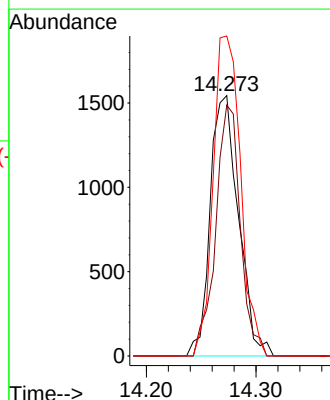
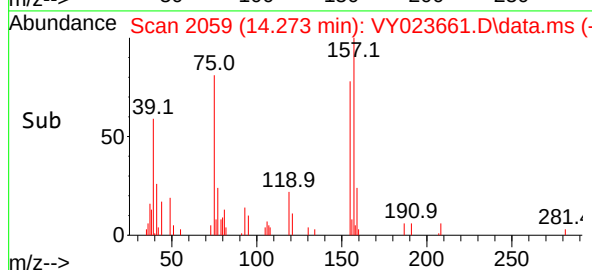
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

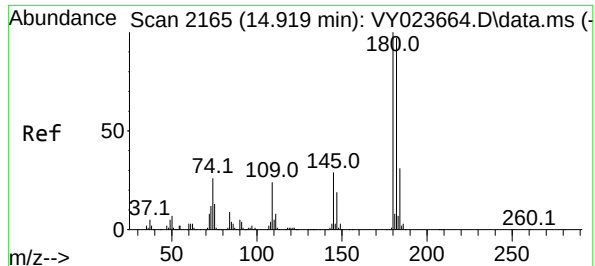


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



Tgt Ion: 75 Resp: 2763
Ion Ratio Lower Upper
75 100
155 84.5 49.4 148.2
157 119.2 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 4.384 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

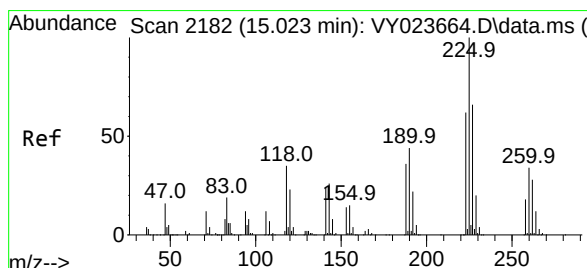
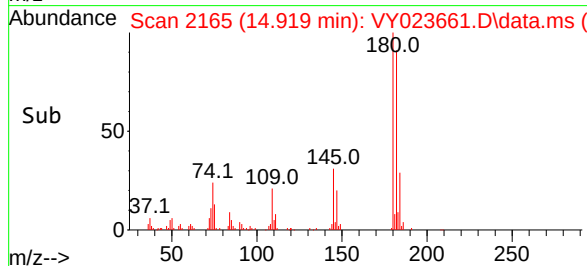
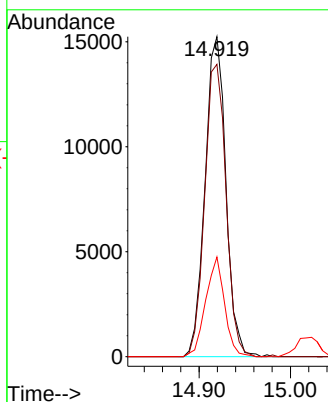
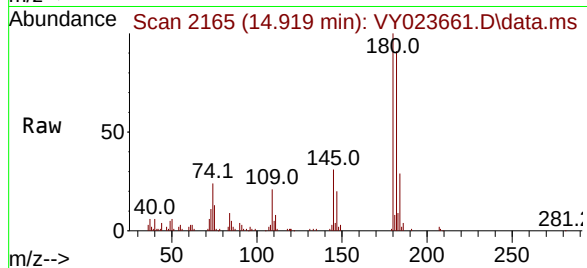
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	28.2	14.4	43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 5.086 ug/l

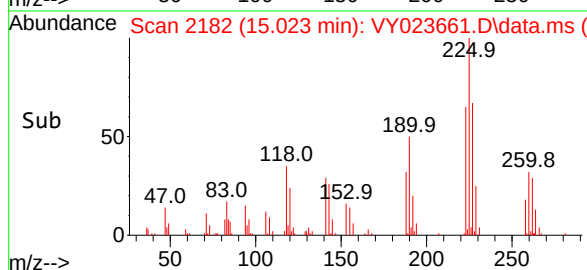
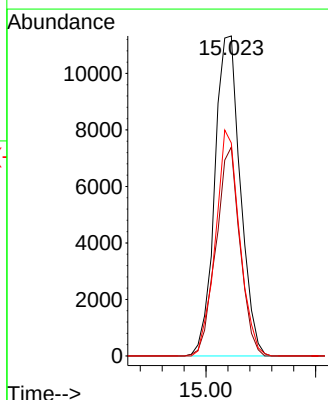
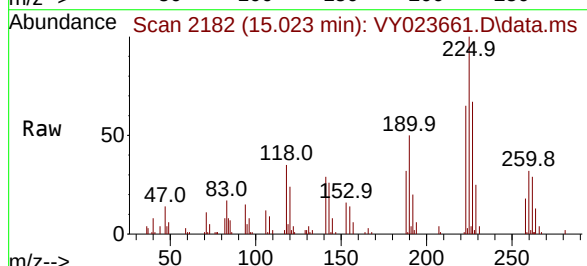
RT: 15.023 min Scan# 2182

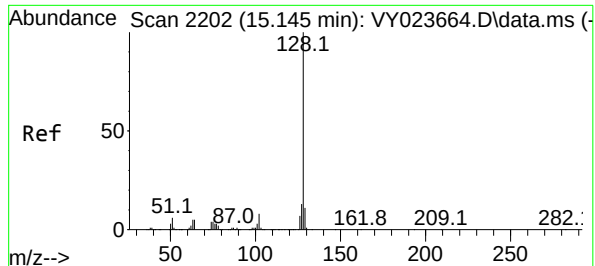
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.8	92.3
227	66.5	32.0	96.2





#95

Naphthalene

Concen: 8.168 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

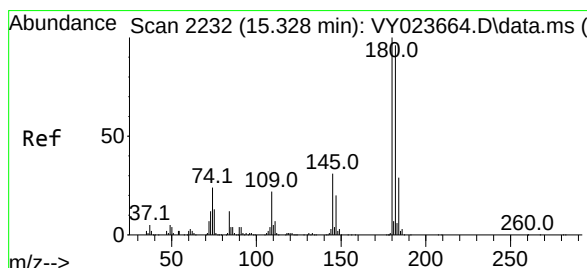
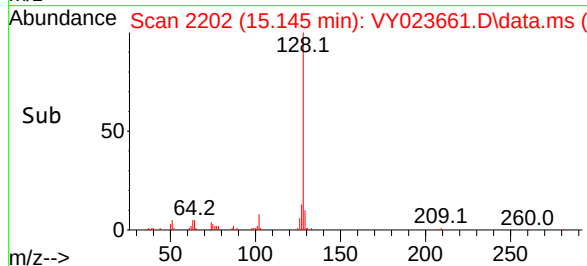
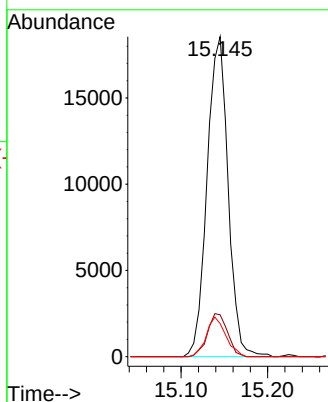
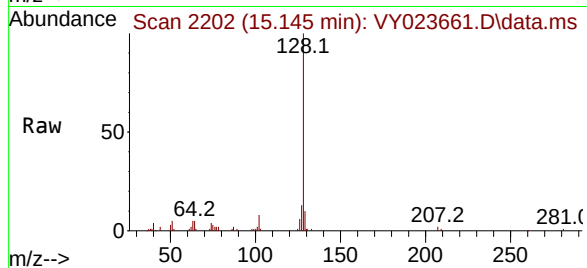
Tgt Ion:	128	Resp:	3125
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.405 ug/l

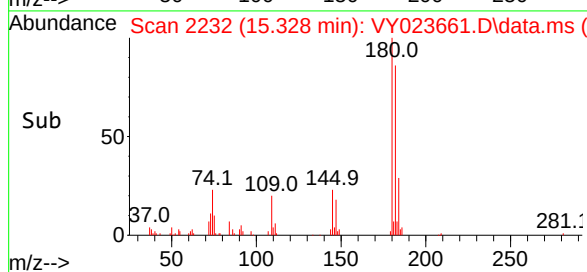
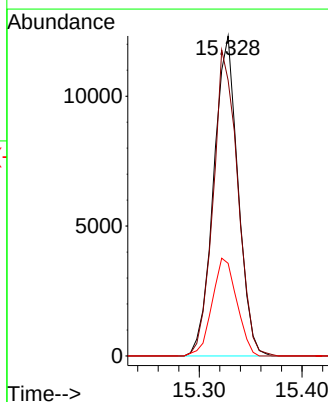
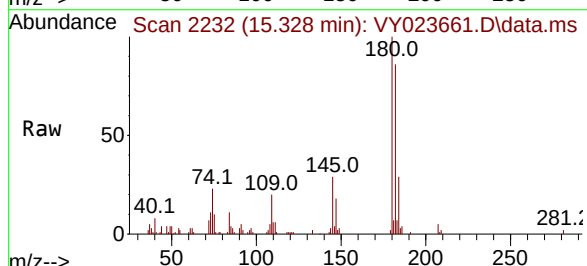
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	180	Resp:	20253
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	30.9	15.5	46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023662.D
 Acq On : 04 Nov 2025 09:42
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:26:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	529353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	803774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	690563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	340245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	45020	9.970	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.940%#		
35) Dibromofluoromethane	7.640	113	50749	10.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.200%#		
50) Toluene-d8	10.109	98	184529	9.862	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.720%#		
62) 4-Bromofluorobenzene	12.401	95	56847	9.395	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	40187	11.565	ug/l	97
3) Chloromethane	2.074	50	54024	11.110	ug/l	100
4) Vinyl Chloride	2.208	62	70038	11.069	ug/l	98
5) Bromomethane	2.598	94	58773	11.043	ug/l	94
6) Chloroethane	2.738	64	48132	11.006	ug/l	100
7) Trichlorofluoromethane	3.055	101	96161	10.791	ug/l	100
8) Diethyl Ether	3.458	74	24107	10.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	53535	10.904	ug/l	99
10) Methyl Iodide	4.006	142	57829	9.974	ug/l	99
11) Tert butyl alcohol	4.866	59	14032	48.194	ug/l	97
12) 1,1-Dichloroethene	3.793	96	48878	10.335	ug/l	97
13) Acrolein	3.653	56	19002	50.776	ug/l	97
14) Allyl chloride	4.390	41	56587	9.830	ug/l	99
15) Acrylonitrile	5.067	53	42033	46.026	ug/l	98
16) Acetone	3.872	43	55971	49.867	ug/l	99
17) Carbon Disulfide	4.110	76	155402	10.705	ug/l	100
18) Methyl Acetate	4.390	43	21794	8.803	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	100086	9.126	ug/l	92
20) Methylene Chloride	4.622	84	56341	10.398	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	54511	10.222	ug/l	97
22) Diisopropyl ether	6.018	45	123533	9.630	ug/l #	90
23) Vinyl Acetate	5.963	43	311609	45.522	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86555	10.129	ug/l	97
25) 2-Butanone	6.896	43	59816	46.094	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80230	10.207	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	61638	10.120	ug/l	99
28) Bromochloromethane	7.250	49	34809	10.638	ug/l	94
29) Tetrahydrofuran	7.274	42	31053	44.932	ug/l	96
30) Chloroform	7.420	83	98898	10.373	ug/l	98
31) Cyclohexane	7.707	56	76145	10.232	ug/l #	89
32) 1,1,1-Trichloroethane	7.615	97	88141	10.343	ug/l	99
36) 1,1-Dichloropropene	7.841	75	66838	9.958	ug/l	100
37) Ethyl Acetate	6.987	43	24198	9.313	ug/l	98
38) Carbon Tetrachloride	7.817	117	78995	9.989	ug/l	97
39) Methylcyclohexane	9.109	83	79613	9.283	ug/l	95
40) Benzene	8.079	78	212456	10.042	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023662.D
 Acq On : 04 Nov 2025 09:42
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:26:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	12643m	9.122	ug/l	
42) 1,2-Dichloroethane	8.158	62	53223	9.943	ug/l	98
43) Isopropyl Acetate	8.201	43	42964	8.800	ug/l	97
44) Trichloroethene	8.865	130	61596	10.136	ug/l	100
45) 1,2-Dichloropropane	9.139	63	45808	9.810	ug/l	95
46) Dibromomethane	9.231	93	27595	9.538	ug/l	99
47) Bromodichloromethane	9.426	83	71048	9.740	ug/l	96
48) Methyl methacrylate	9.225	41	18849	8.172	ug/l	95
49) 1,4-Dioxane	9.231	88	5062	170.965	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	109221	42.067	ug/l	98
52) Toluene	10.170	92	130648	9.672	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	56121	9.093	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	69773	9.436	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	37044	9.581	ug/l	94
56) Ethyl methacrylate	10.438	69	32716	7.680	ug/l	97
57) 1,3-Dichloropropane	10.718	76	58301	9.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	78241	40.025	ug/l	99
59) 2-Hexanone	10.761	43	79804	42.130	ug/l	95
60) Dibromochloromethane	10.914	129	50465	9.499	ug/l	100
61) 1,2-Dibromoethane	11.017	107	33380	9.199	ug/l	97
64) Tetrachloroethene	10.645	164	75769	10.541	ug/l	98
65) Chlorobenzene	11.444	112	151288	10.063	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	52459	9.868	ug/l	97
67) Ethyl Benzene	11.517	91	229438	9.430	ug/l	100
68) m/p-Xylenes	11.627	106	185401	19.072	ug/l	100
69) o-Xylene	11.956	106	82846	9.219	ug/l	99
70) Styrene	11.968	104	135208	9.119	ug/l	99
71) Bromoform	12.133	173	28921	9.315	ug/l #	99
73) Isopropylbenzene	12.255	105	217972	9.579	ug/l	99
74) N-amyl acetate	12.066	43	32719	8.492	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33622	9.251	ug/l	96
76) 1,2,3-Trichloropropane	12.553	75	30827m	11.195	ug/l	
77) Bromobenzene	12.529	156	58175	9.855	ug/l	99
78) n-propylbenzene	12.596	91	257281	9.612	ug/l	100
79) 2-Chlorotoluene	12.675	91	152691	9.830	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	177222	9.585	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11473	9.416	ug/l	95
82) 4-Chlorotoluene	12.773	91	158206	9.876	ug/l	100
83) tert-Butylbenzene	12.999	119	158294	9.400	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	177023	9.667	ug/l	100
85) sec-Butylbenzene	13.175	105	236332	9.730	ug/l	100
86) p-Isopropyltoluene	13.291	119	192560	9.365	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	115903	9.976	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	114652	10.046	ug/l	96
89) n-Butylbenzene	13.614	91	166099	9.290	ug/l	99
90) Hexachloroethane	13.876	117	44630	10.101	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	99858	9.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5202	9.296	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	50808	8.872	ug/l	98
94) Hexachlorobutadiene	15.023	225	37521	9.999	ug/l	99
95) Naphthalene	15.144	128	64530	11.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	41611	8.697	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023662.D
Acq On : 04 Nov 2025 09:42
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023662.D
 Acq On : 04 Nov 2025 09:42
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

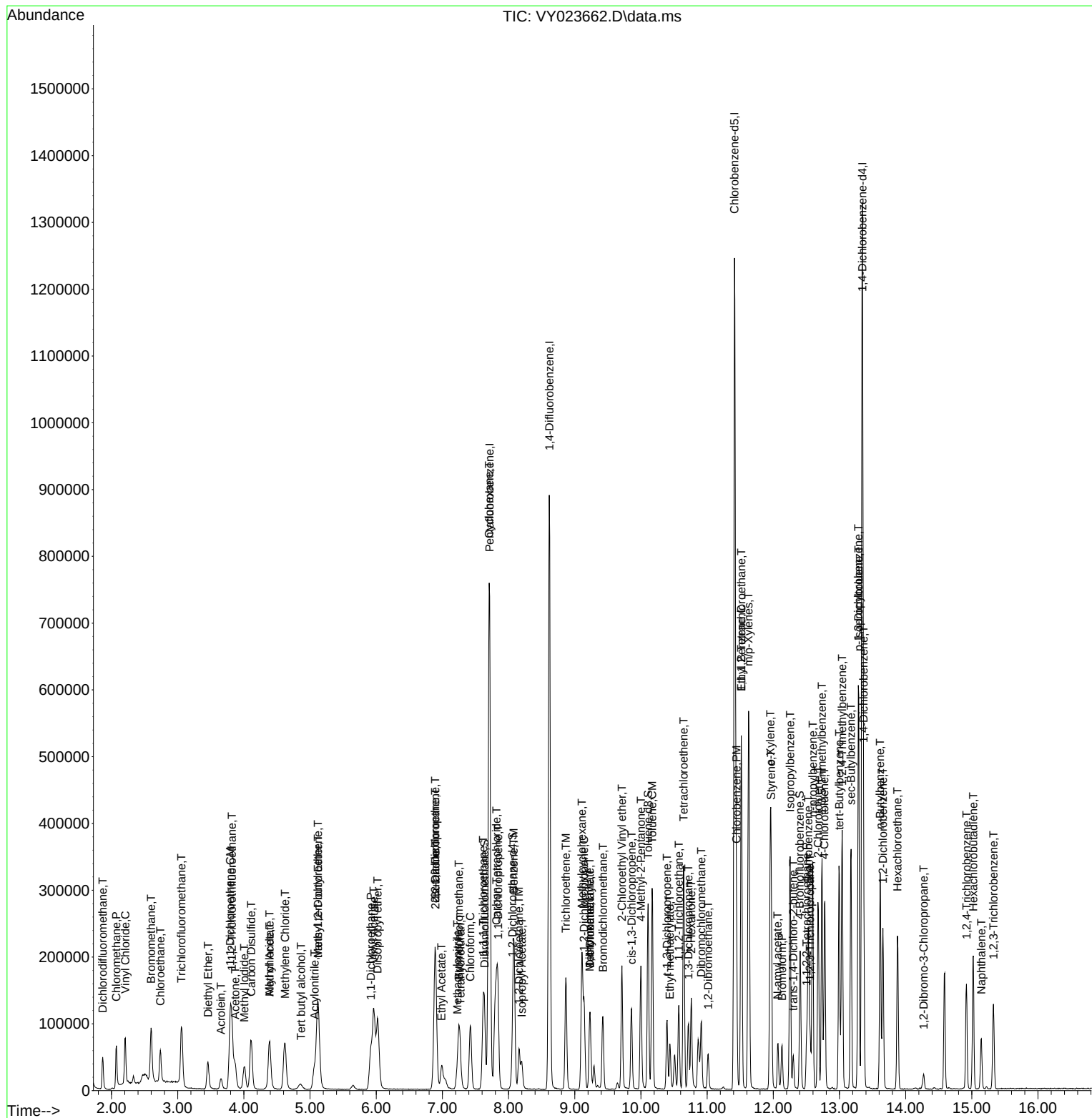
Quant Time: Nov 05 04:26:32 2025

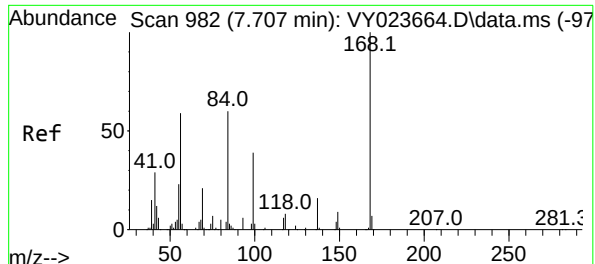
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

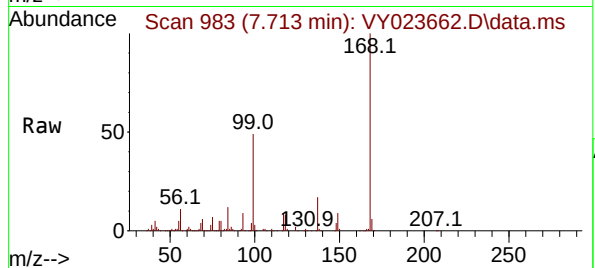
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

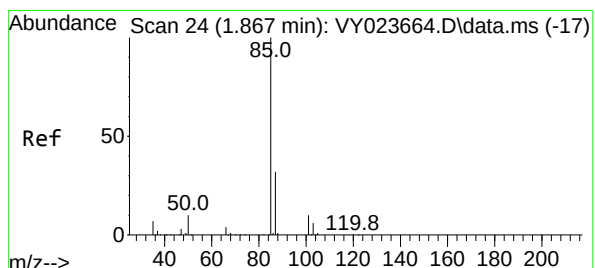
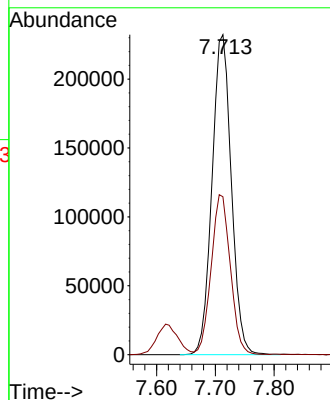
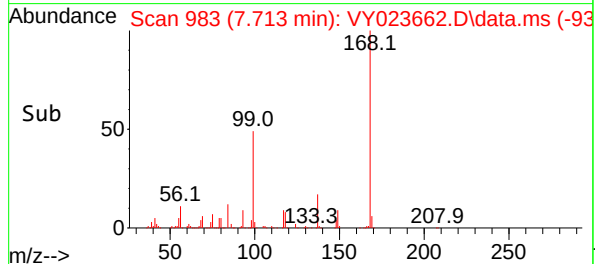
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 52935
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4

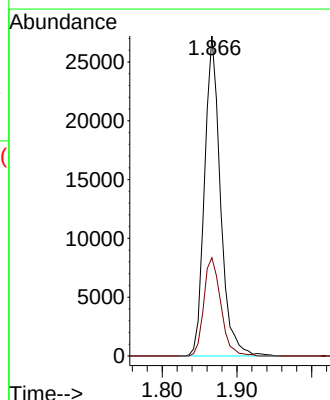
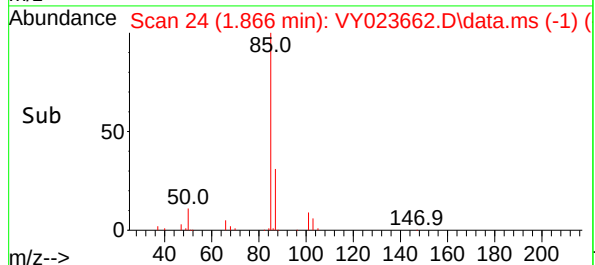
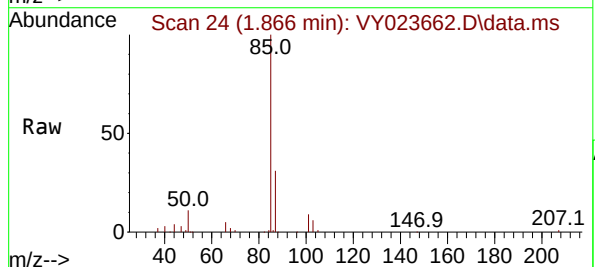
Manual Integrations
APPROVED

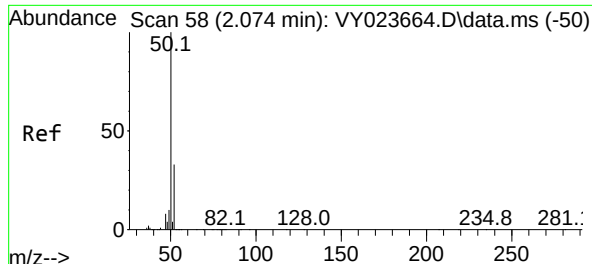
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 11.565 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

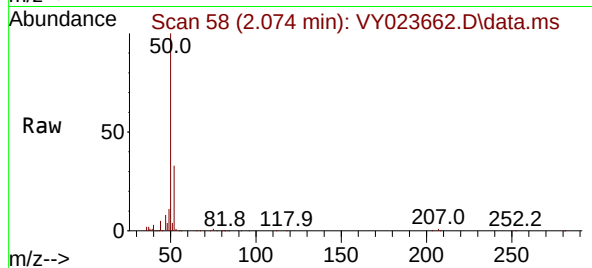
Tgt Ion: 85 Resp: 40187
Ion Ratio Lower Upper
85 100
87 30.7 16.2 48.6





#3
Chloromethane
Concen: 11.110 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

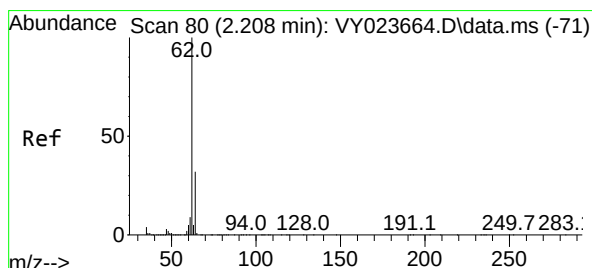
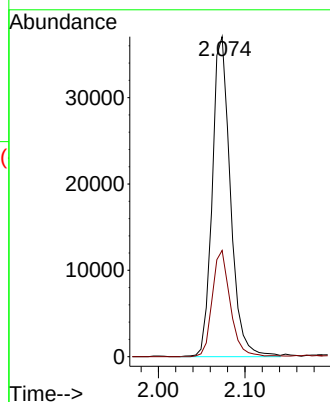
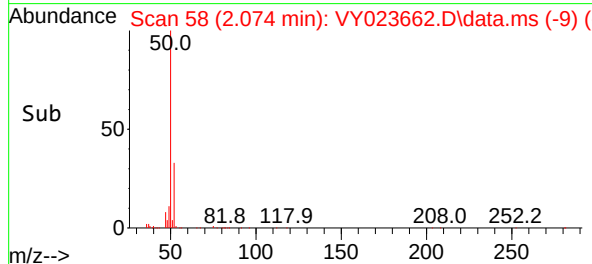
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



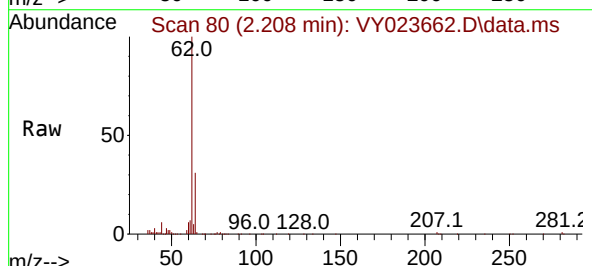
Tgt Ion: 50 Resp: 54024
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

Manual Integrations
APPROVED

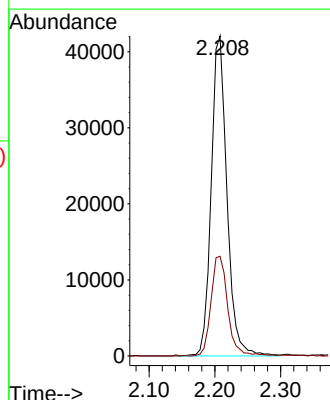
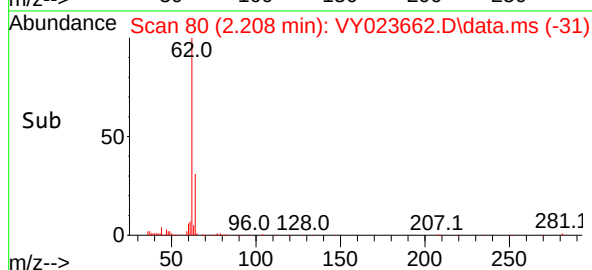
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

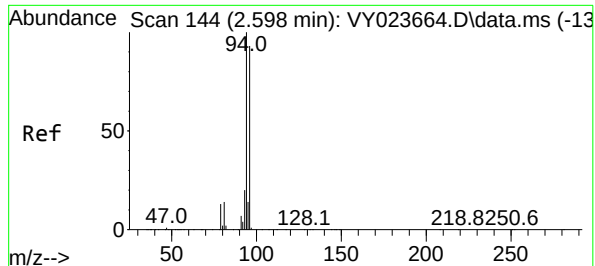


#4
Vinyl Chloride
Concen: 11.069 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion: 62 Resp: 70038
Ion Ratio Lower Upper
62 100
64 31.2 25.7 38.5





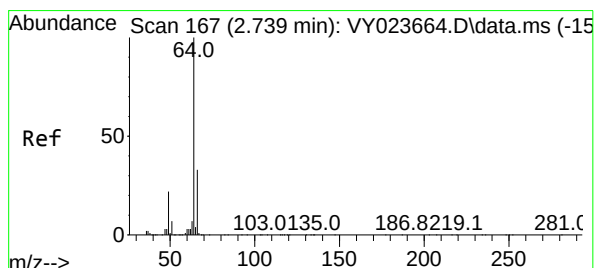
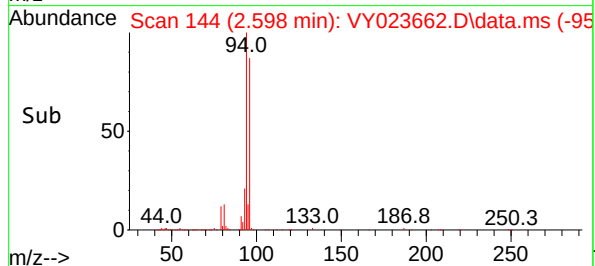
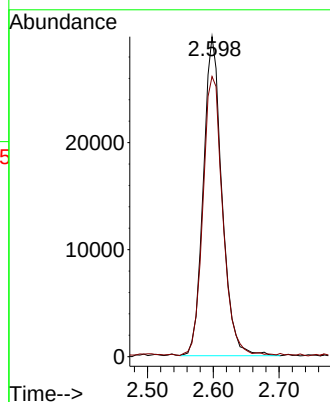
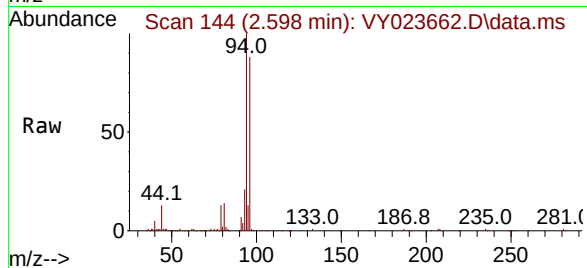
#5
Bromomethane
Concen: 11.043 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 5877
Ion Ratio Lower Upper
94 100
96 87.4 74.4 111.6

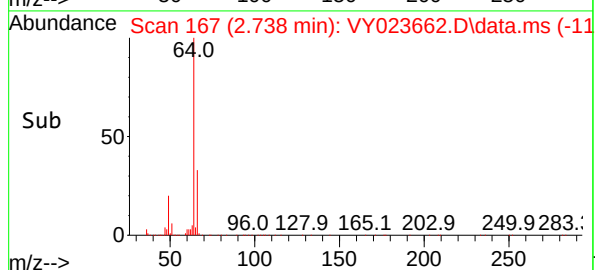
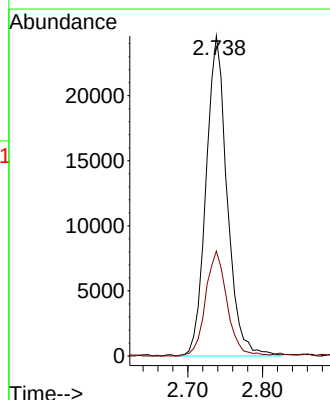
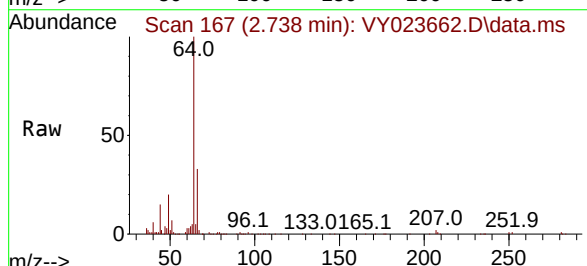
Manual Integrations
APPROVED

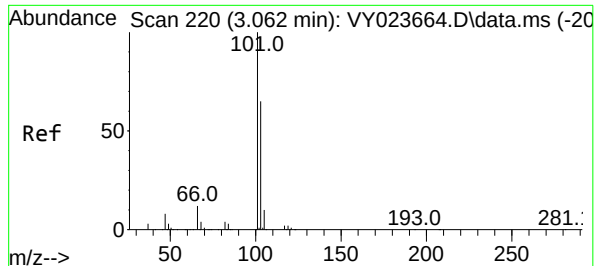
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 11.006 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

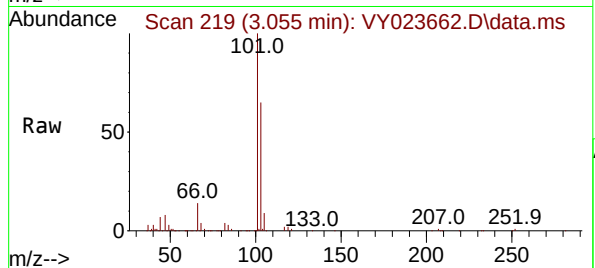
Tgt Ion: 64 Resp: 48132
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.4





#7
Trichlorofluoromethane
Concen: 10.791 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

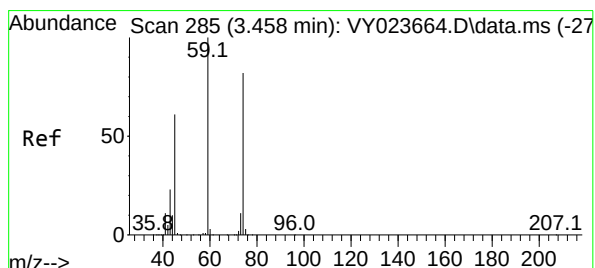
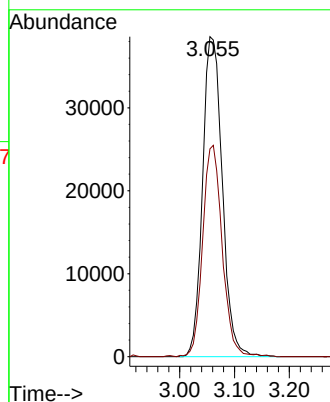
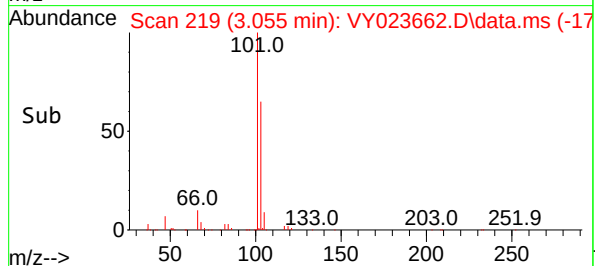
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 9616
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1

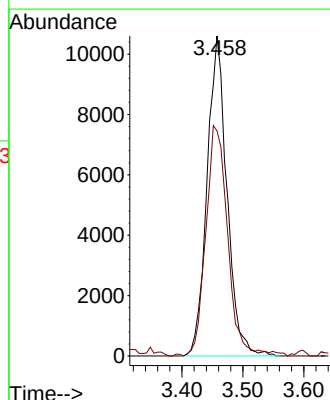
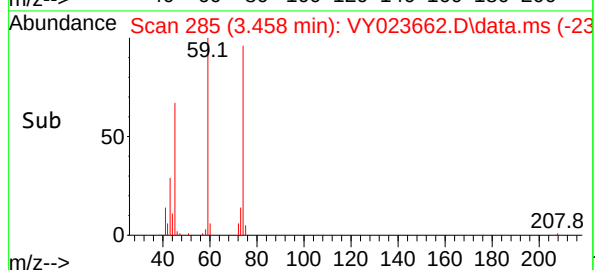
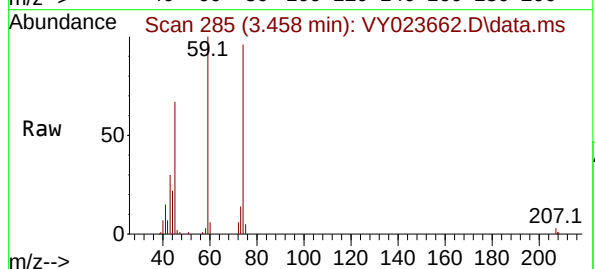
Manual Integrations
APPROVED

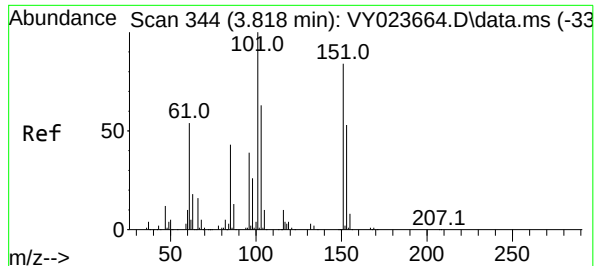
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 10.088 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 74 Resp: 24107
Ion Ratio Lower Upper
74 100
45 79.2 40.6 121.7





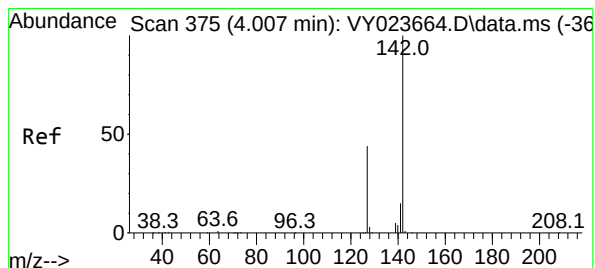
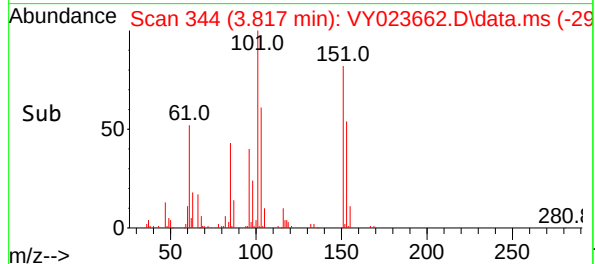
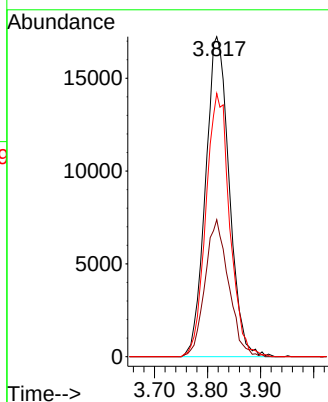
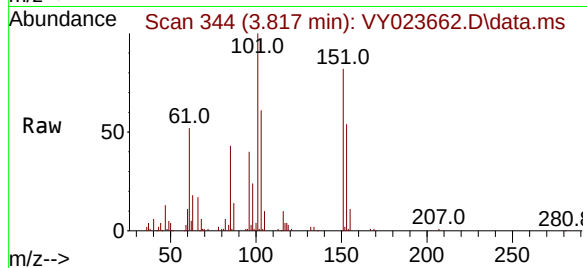
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.904 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 5353
Ion Ratio Lower Upper
101 100
85 42.5 34.4 51.6
151 82.7 65.6 98.4

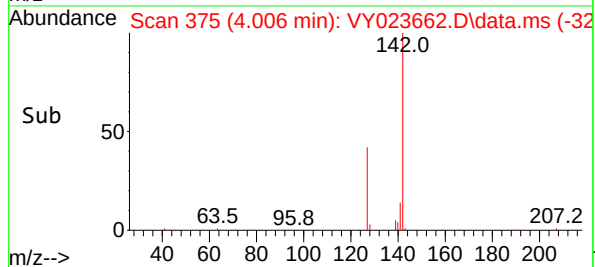
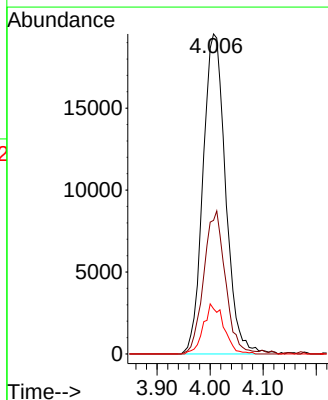
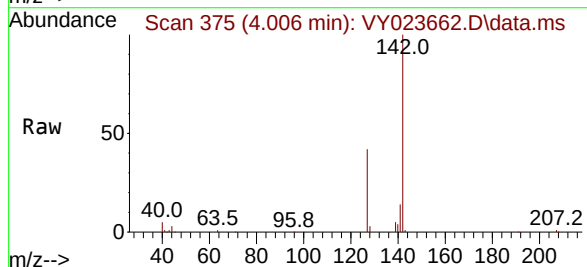
Manual Integrations
APPROVED

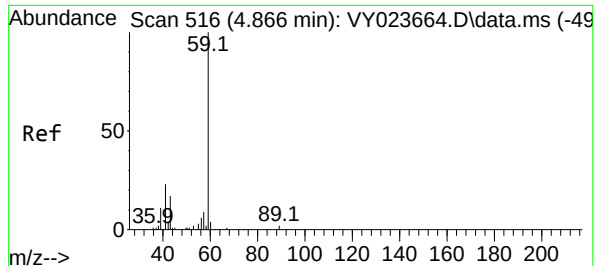
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 9.974 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion:142 Resp: 57829
Ion Ratio Lower Upper
142 100
127 42.8 34.6 51.8
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 48.194 ug/l

RT: 4.866 min Scan# 516

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 14032

Ion Ratio Lower Upper

59 100

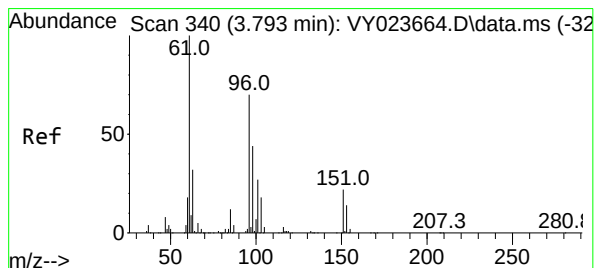
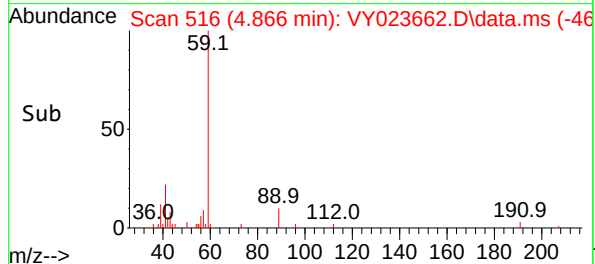
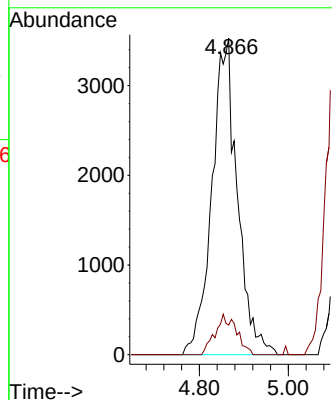
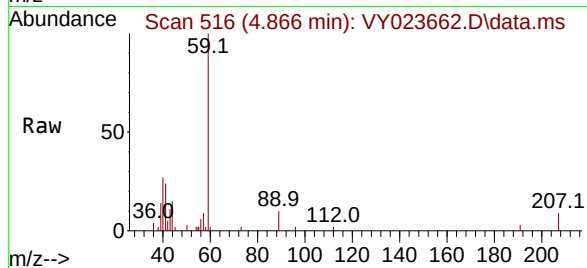
57 10.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 10.335 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

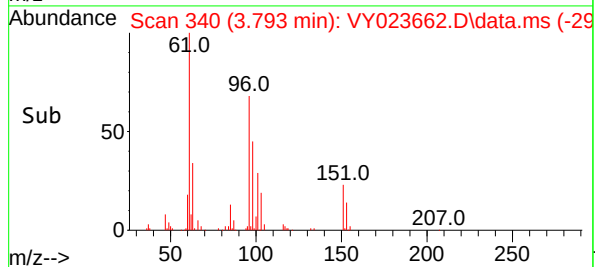
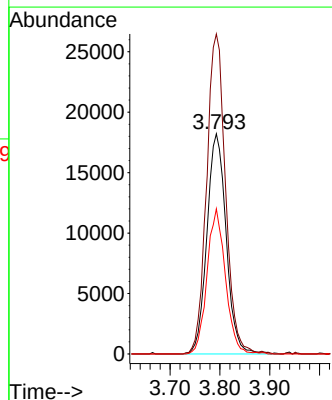
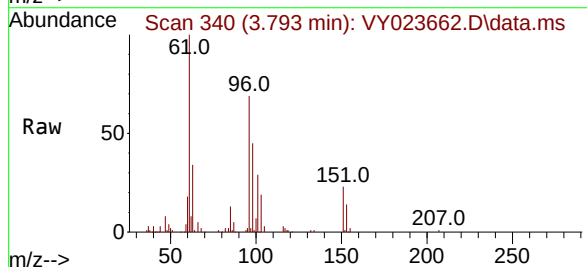
Tgt Ion: 96 Resp: 48878

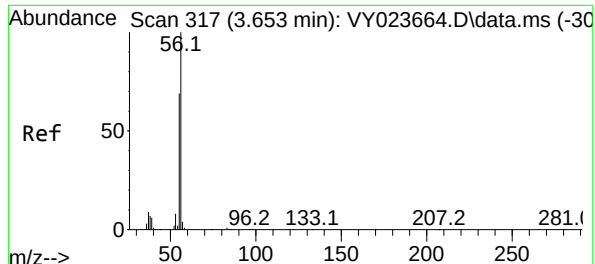
Ion Ratio Lower Upper

96 100

61 145.4 114.0 171.0

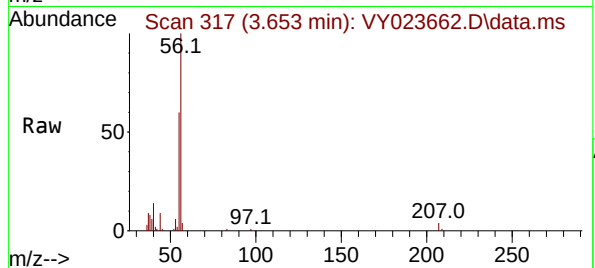
98 65.9 50.2 75.2





#13
Acrolein
Concen: 50.776 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

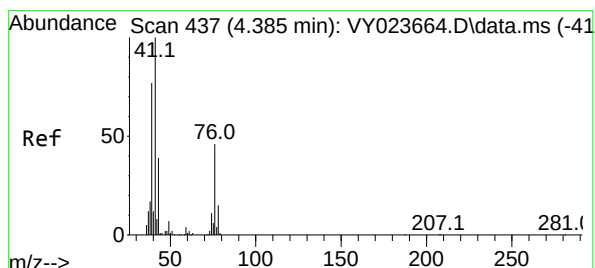
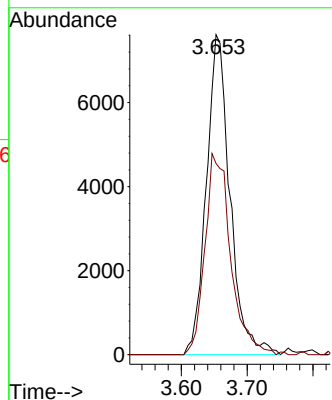
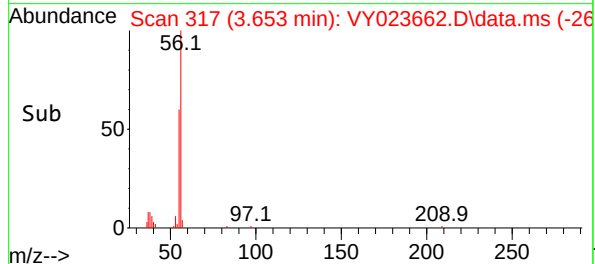
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



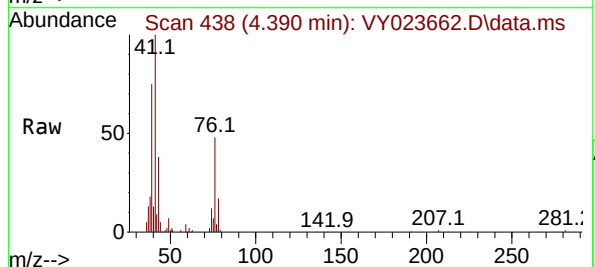
Tgt Ion: 56 Resp: 1900
Ion Ratio Lower Upper
56 100
55 68.4 56.6 84.8

Manual Integrations
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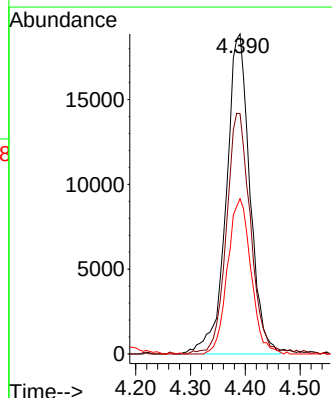
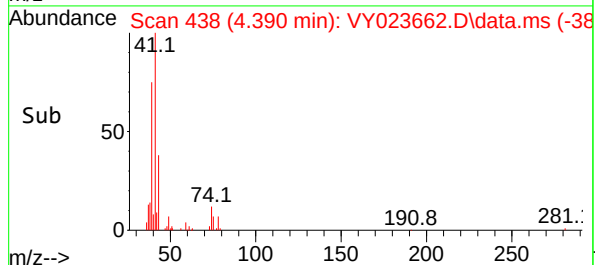
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

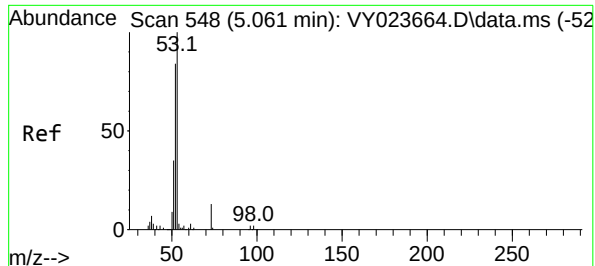


#14
Allyl chloride
Concen: 9.830 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



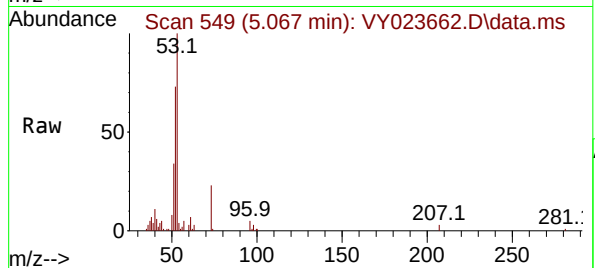
Tgt Ion: 41 Resp: 56587
Ion Ratio Lower Upper
41 100
39 76.9 60.4 90.6
76 48.1 38.0 57.0





#15
Acrylonitrile
Concen: 46.026 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

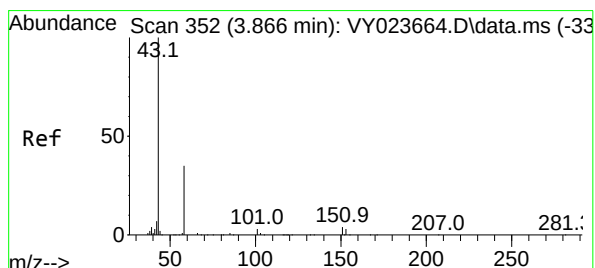
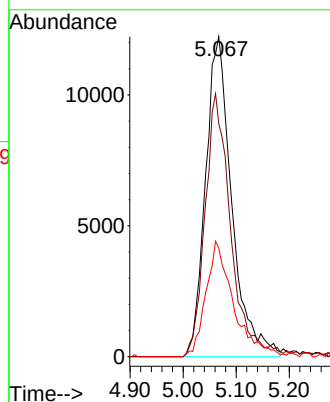
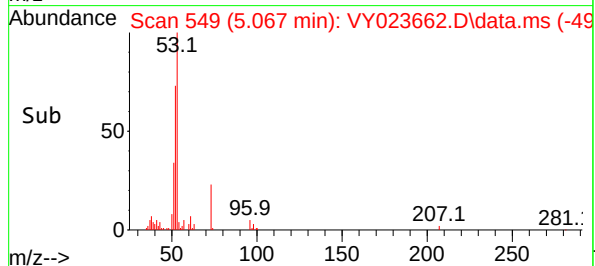
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 53 Resp: 4203
Ion Ratio Lower Upper
53 100
52 79.0 64.9 97.3
51 37.8 29.4 44.0

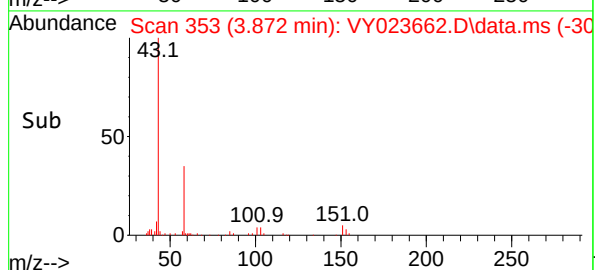
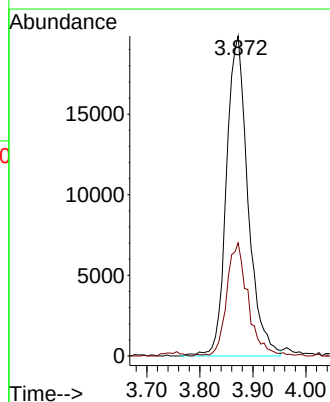
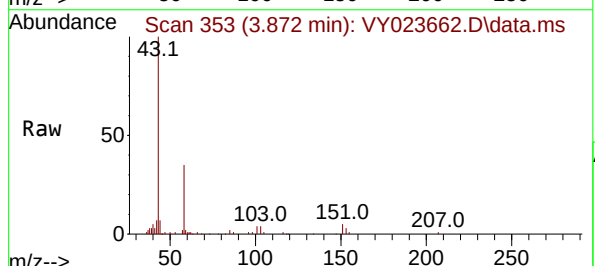
Manual Integrations
APPROVED

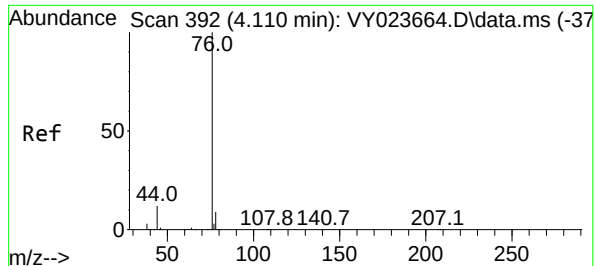
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#16
Acetone
Concen: 49.867 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

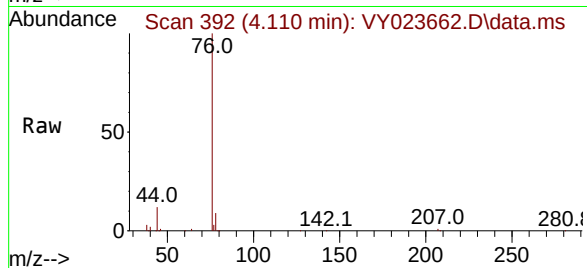
Tgt Ion: 43 Resp: 55971
Ion Ratio Lower Upper
43 100
58 34.7 28.2 42.4





#17
Carbon Disulfide
Concen: 10.705 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

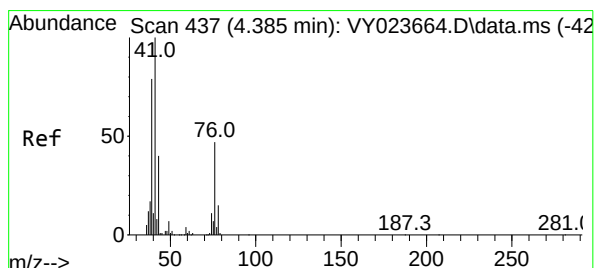
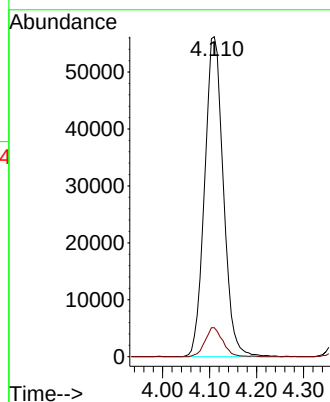
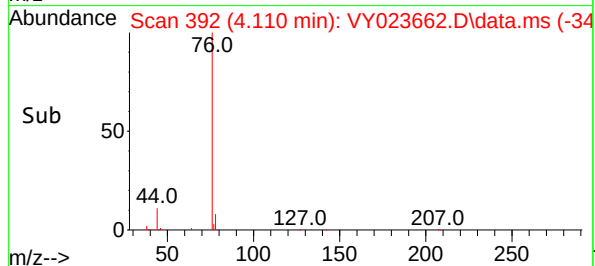
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 76 Resp: 15540
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

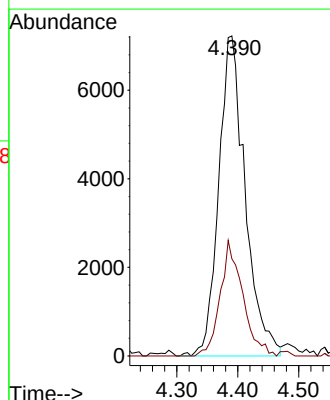
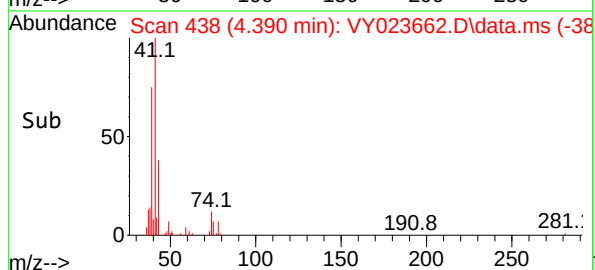
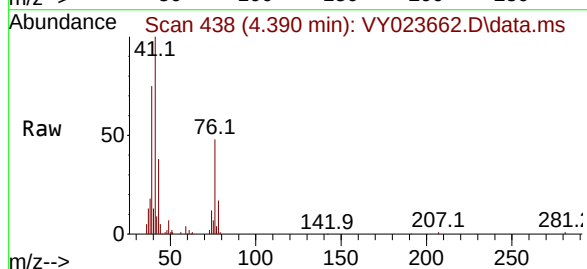
Manual Integrations
APPROVED

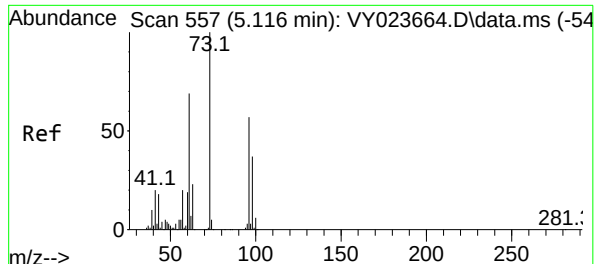
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 8.803 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 43 Resp: 21794
Ion Ratio Lower Upper
43 100
74 30.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 9.126 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 10008

Ion Ratio Lower Upper

73 100

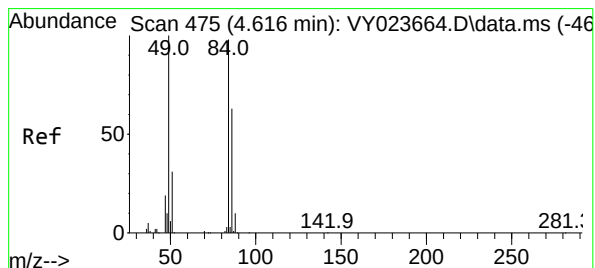
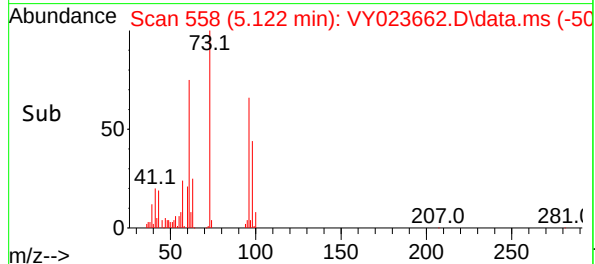
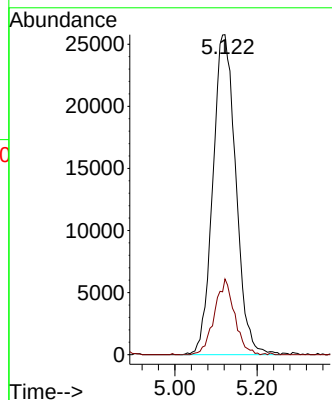
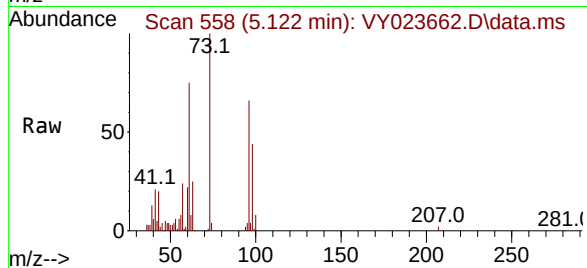
57 23.6 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 10.398 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion: 84 Resp: 56341

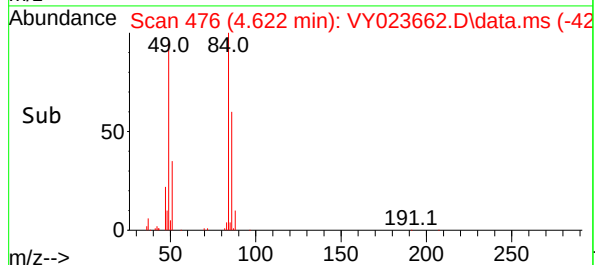
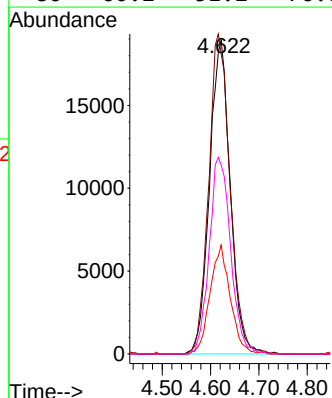
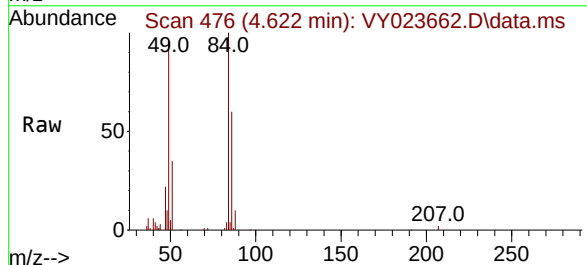
Ion Ratio Lower Upper

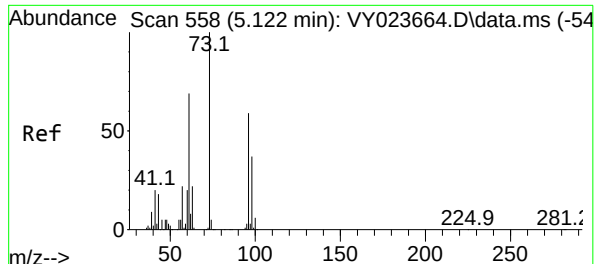
84 100

49 95.8 81.5 122.3

51 34.7 25.5 38.3

86 60.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 10.222 ug/l

RT: 5.122 min Scan# 558

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 5451

Ion Ratio Lower Upper

96 100

61 113.8 93.3 139.9

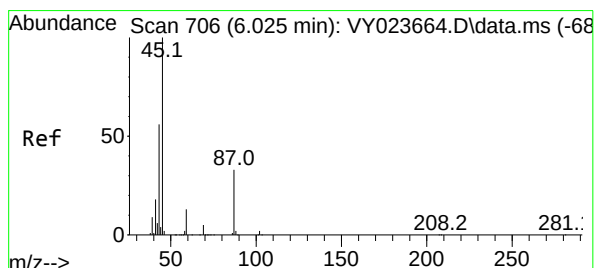
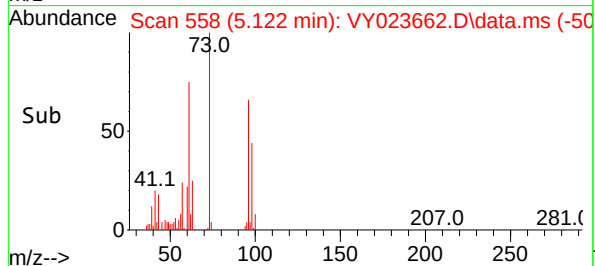
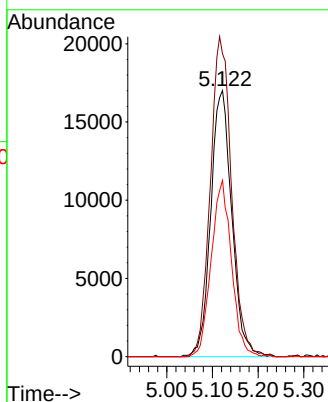
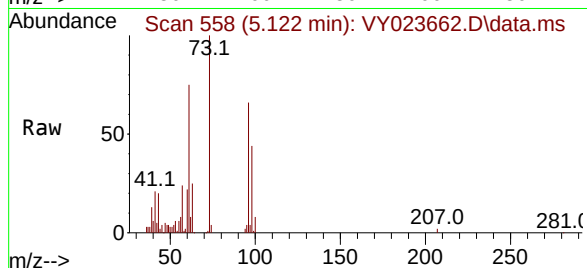
98 66.2 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 9.630 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion: 45 Resp: 123533

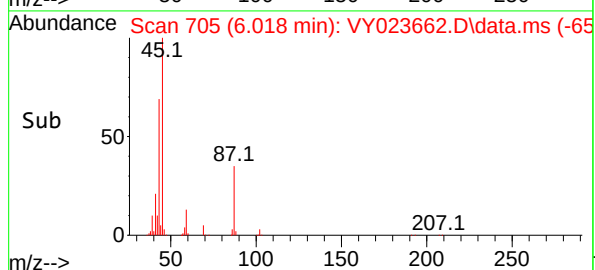
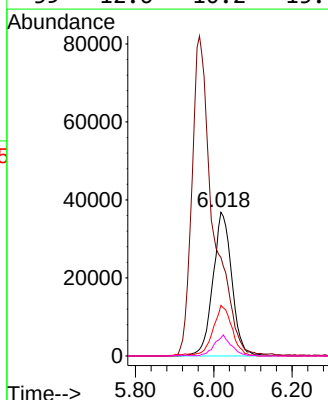
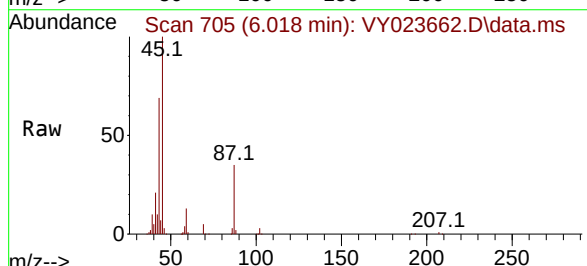
Ion Ratio Lower Upper

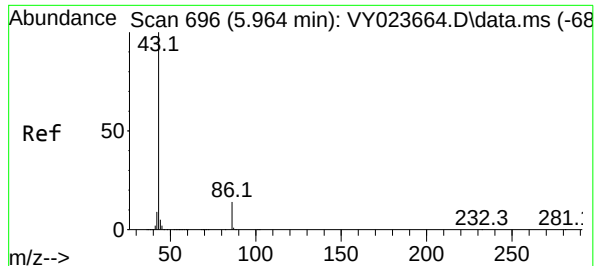
45 100

43 67.8 44.7 67.1#

87 35.2 27.2 40.8

59 12.6 10.2 15.4





#23

Vinyl Acetate

Concen: 45.522 ug/l

RT: 5.963 min Scan# 696

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 311609

Ion Ratio Lower Upper

43 100

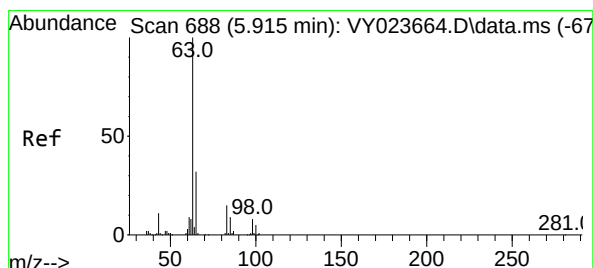
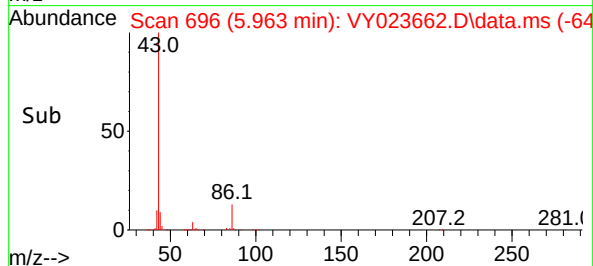
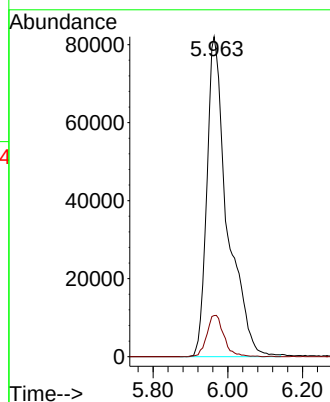
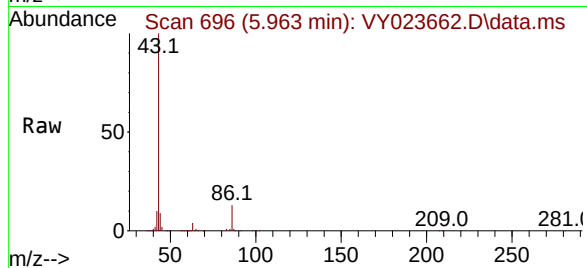
86 12.8 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 10.129 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

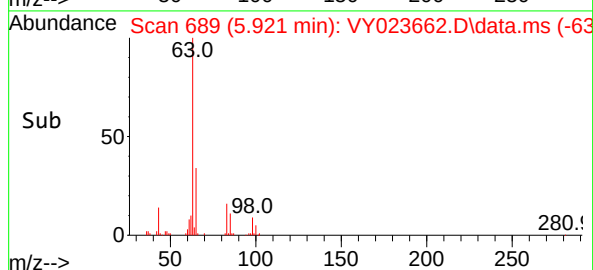
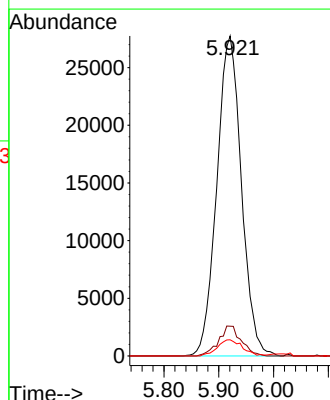
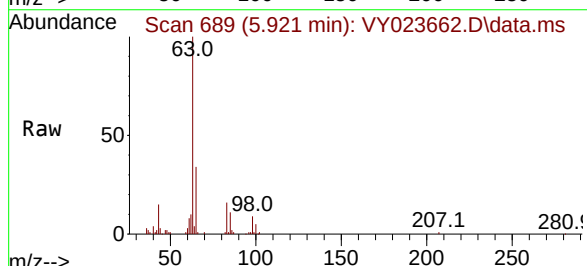
Tgt Ion: 63 Resp: 86555

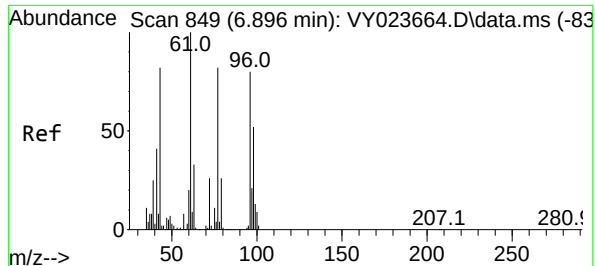
Ion Ratio Lower Upper

63 100

98 9.3 4.0 11.9

100 5.0 2.6 7.8





#25

2-Butanone

Concen: 46.094 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 59810

Ion Ratio Lower Upper

43 100

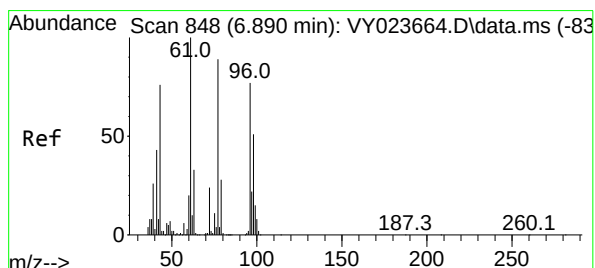
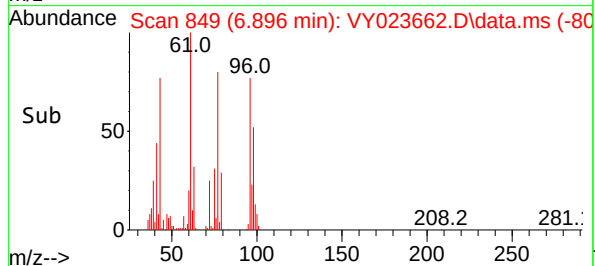
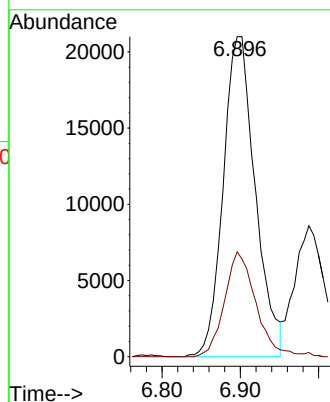
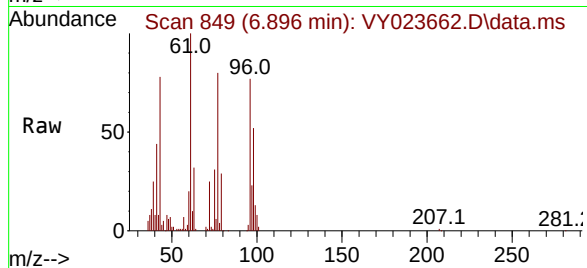
72 32.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 10.207 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023662.D

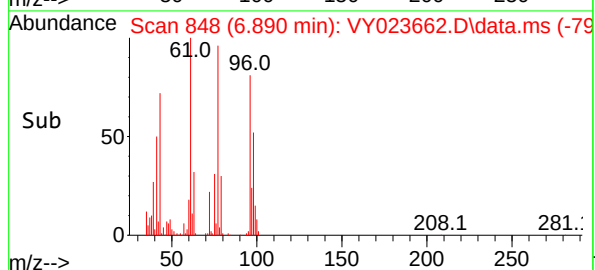
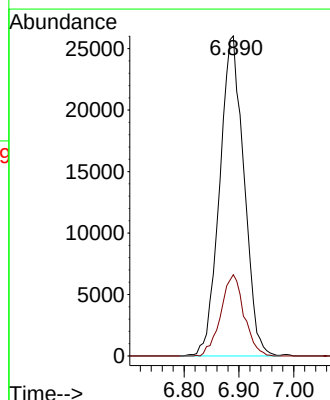
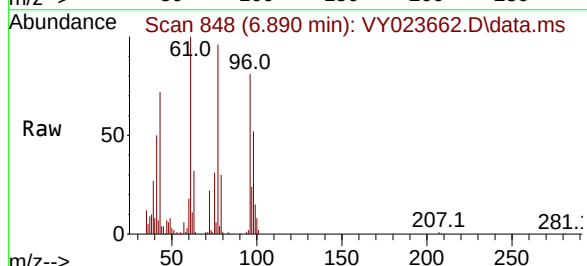
Acq: 04 Nov 2025 09:42

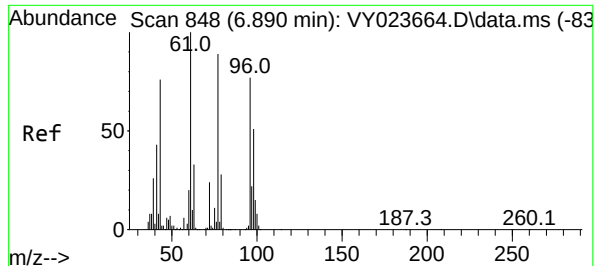
Tgt Ion: 77 Resp: 80230

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 10.120 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 61638

Ion Ratio Lower Upper

96 100

61 125.9 0.0 255.0

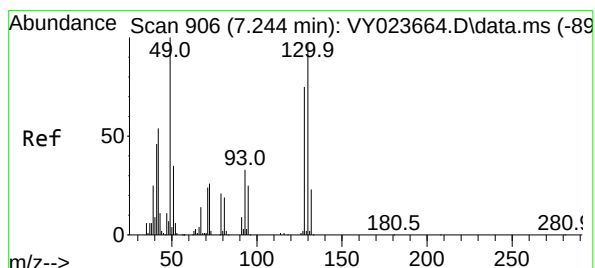
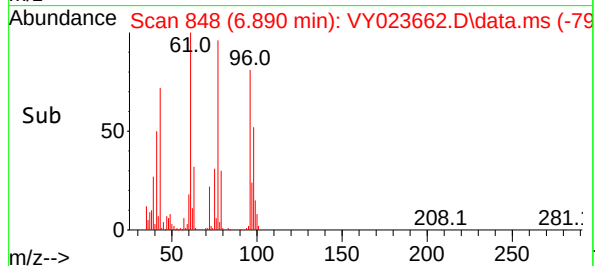
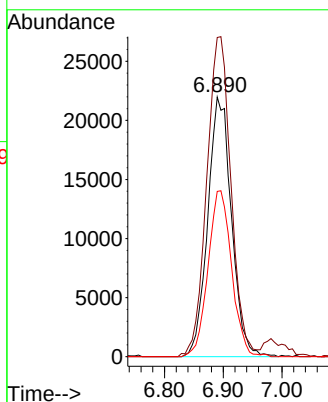
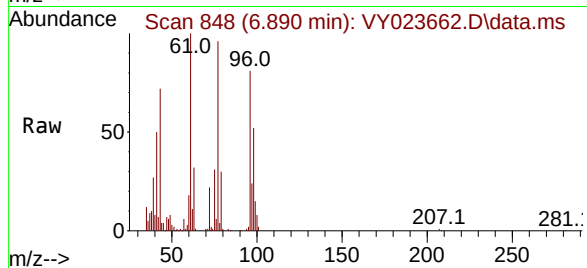
98 63.6 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 10.638 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

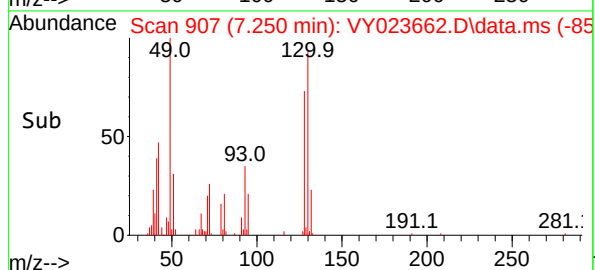
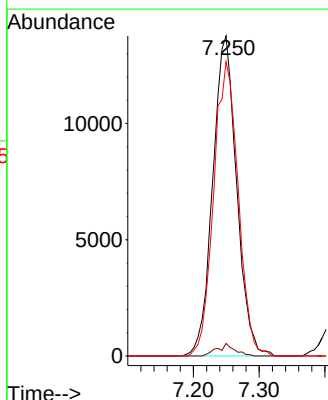
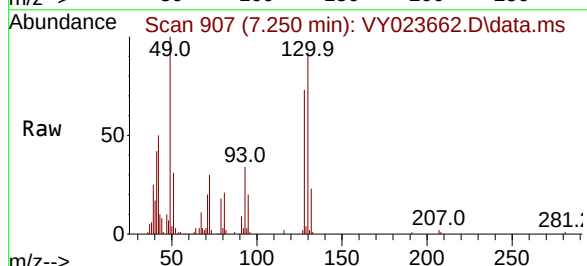
Tgt Ion: 49 Resp: 34809

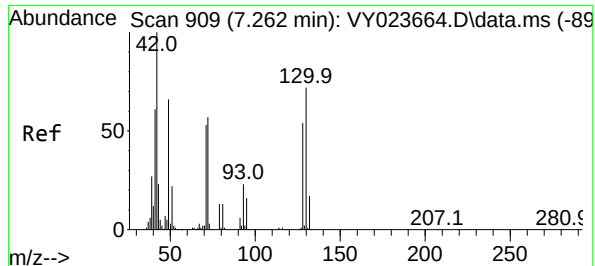
Ion Ratio Lower Upper

49 100

129 2.9 0.0 5.0

130 94.3 80.1 120.1





#29

Tetrahydrofuran

Concen: 44.932 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

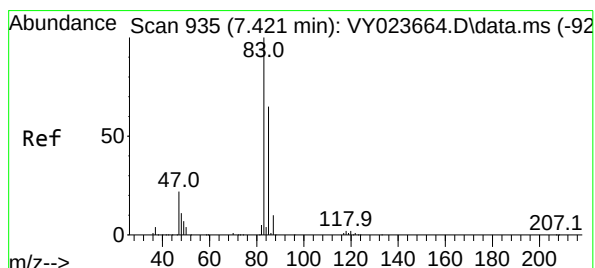
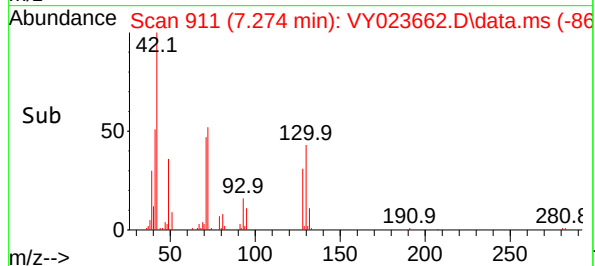
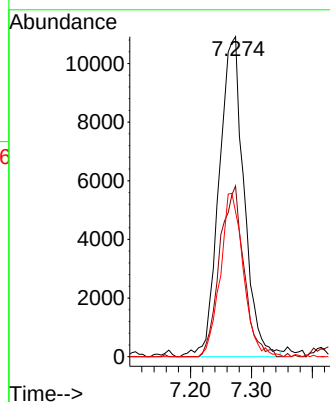
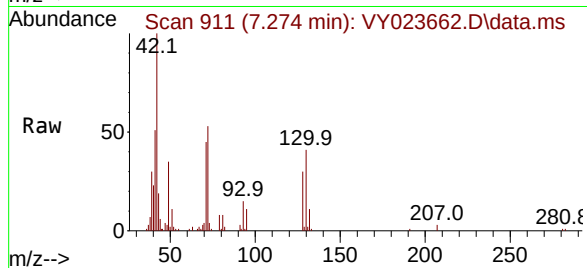
Tgt Ion:	42	Resp:	3105
Ion	Ratio	Lower	Upper
42	100		
72	51.7	43.4	65.2
71	47.3	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 10.373 ug/l

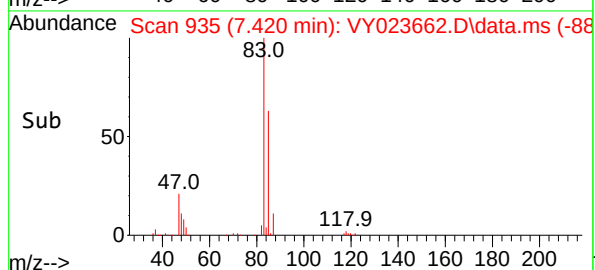
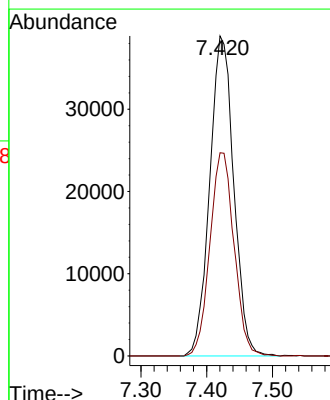
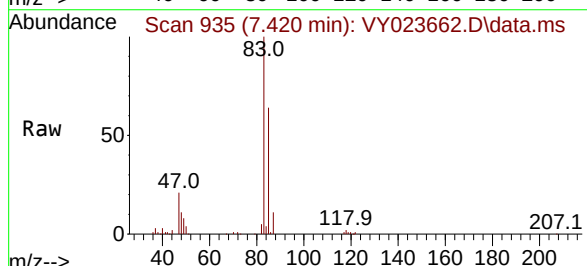
RT: 7.420 min Scan# 935

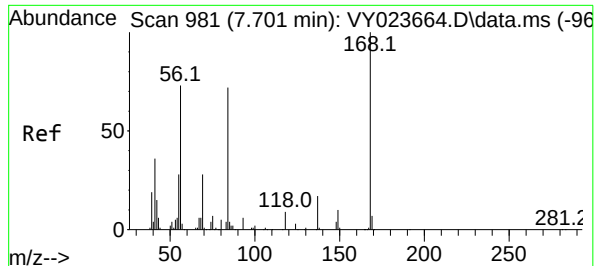
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:	83	Resp:	98898
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1





#31

Cyclohexane

Concen: 10.232 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 7614

Ion Ratio Lower Upper

56 100

69 50.5 30.5 45.7

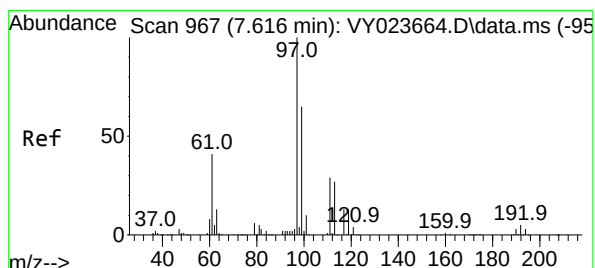
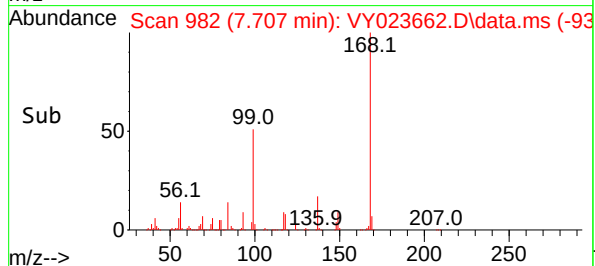
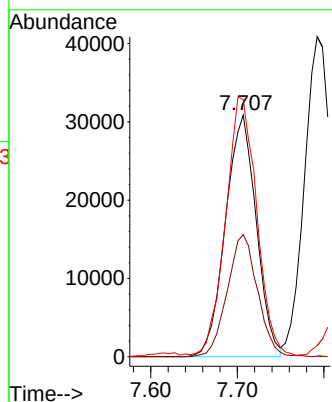
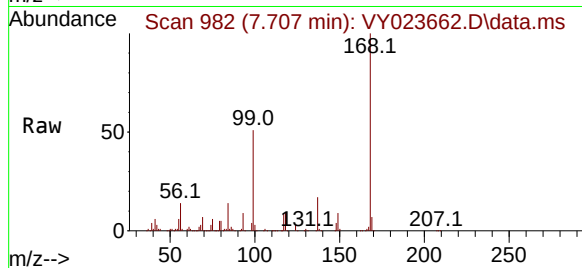
84 105.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 10.343 ug/l

RT: 7.615 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

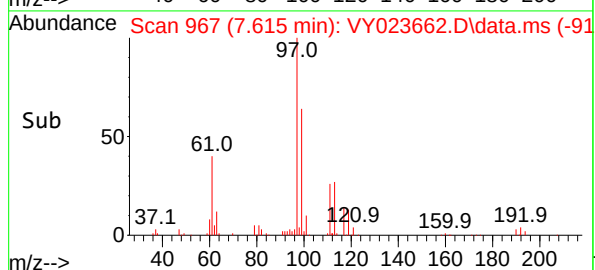
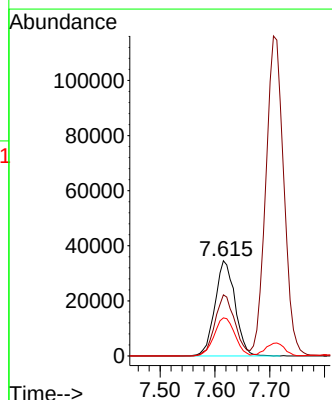
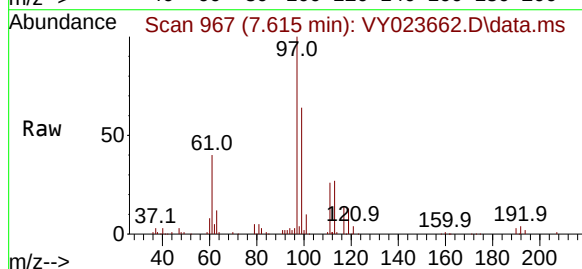
Tgt Ion: 97 Resp: 88141

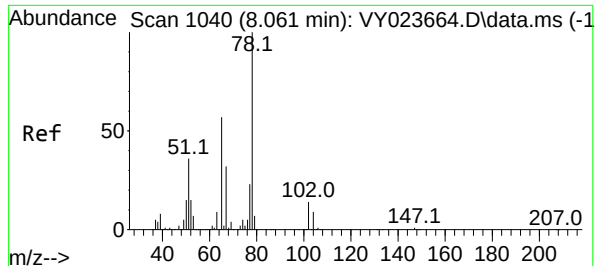
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 41.1 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 9.970 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 45020

Ion Ratio Lower Upper

65 100

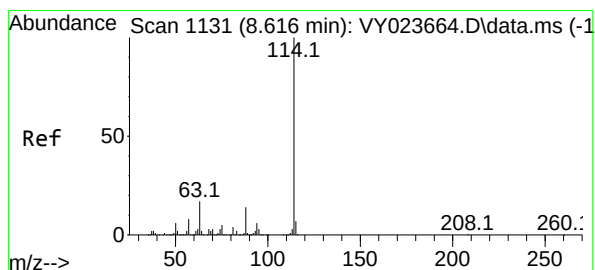
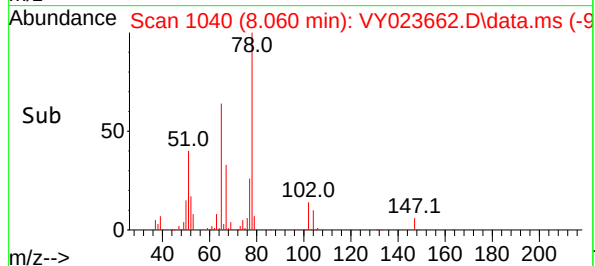
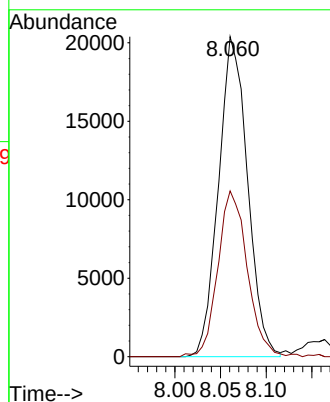
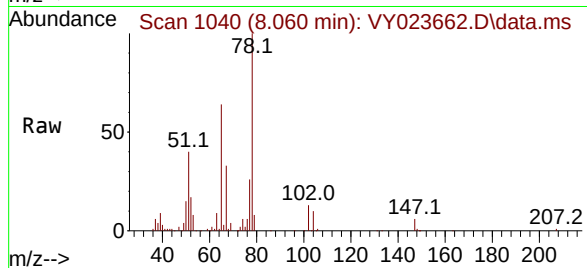
67 52.6 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

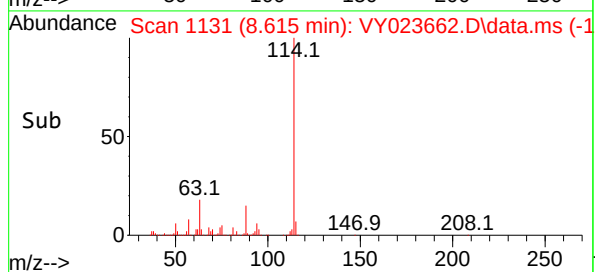
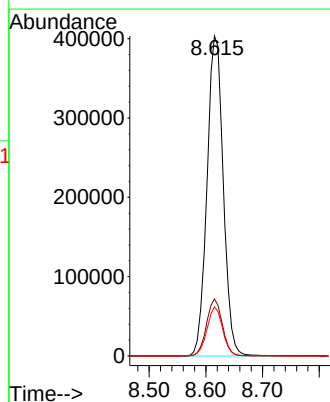
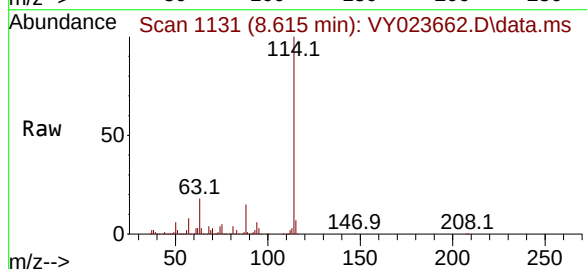
Tgt Ion:114 Resp: 803774

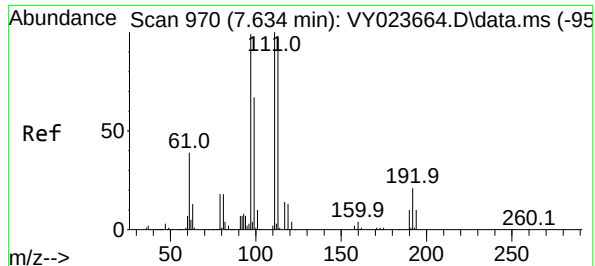
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.8

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 10.103 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 50749

Ion Ratio Lower Upper

113 100

111 99.2 82.2 123.4

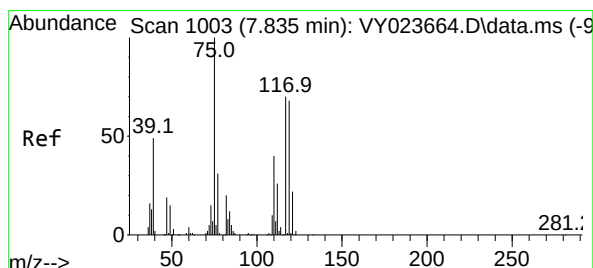
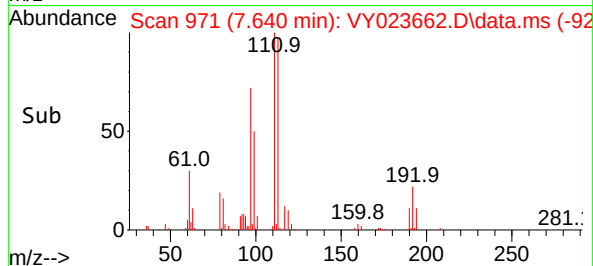
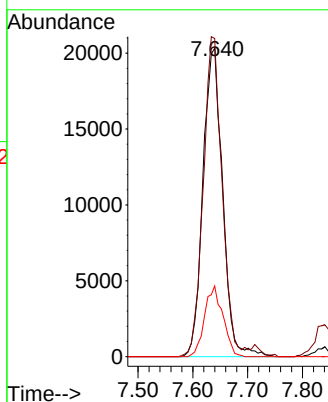
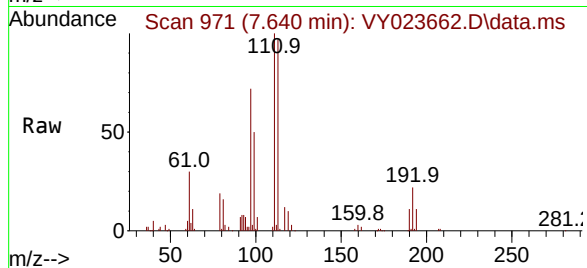
192 21.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 9.958 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

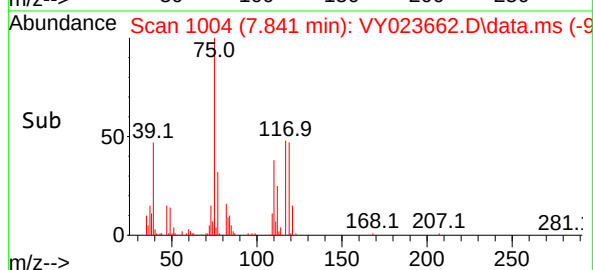
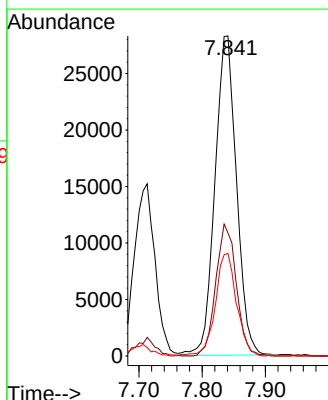
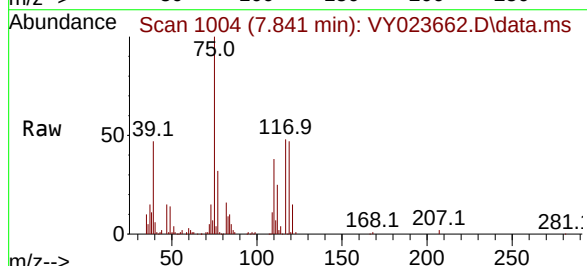
Tgt Ion: 75 Resp: 66838

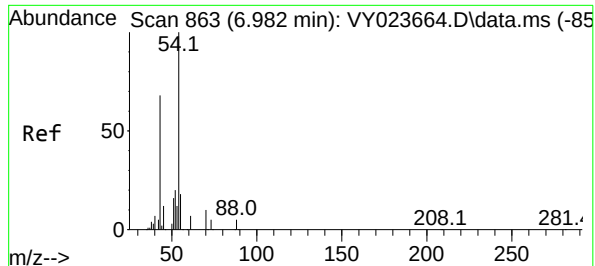
Ion Ratio Lower Upper

75 100

110 39.2 19.7 59.0

77 31.8 25.2 37.8





#37

Ethyl Acetate

Concen: 9.313 ug/l

RT: 6.987 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023662.D

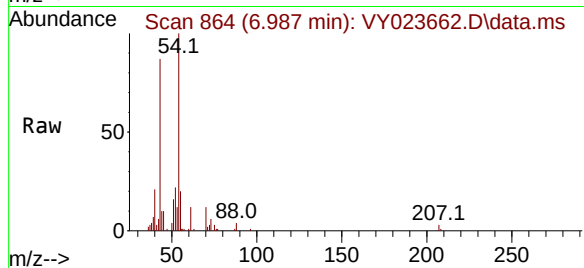
Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010



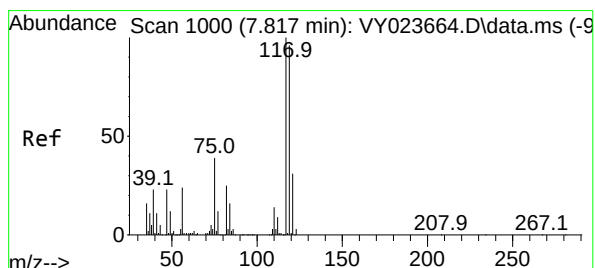
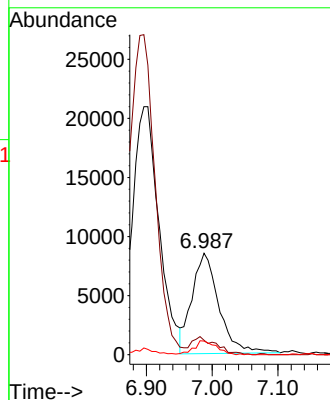
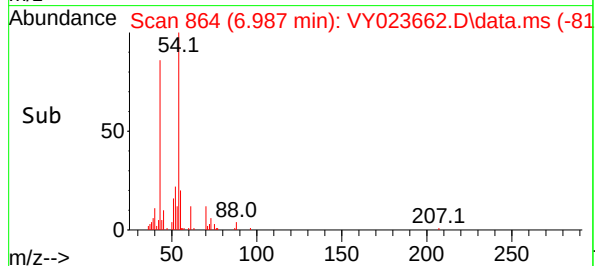
Tgt Ion:	43	Resp:	24198
Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.4	18.6
70	11.6	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

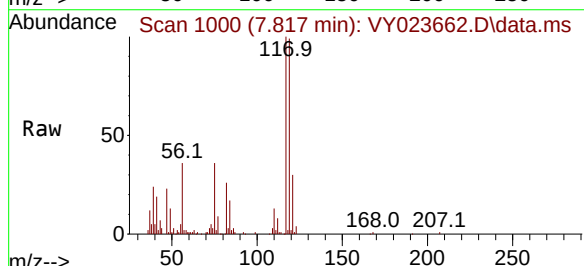
Concen: 9.989 ug/l

RT: 7.817 min Scan# 1000

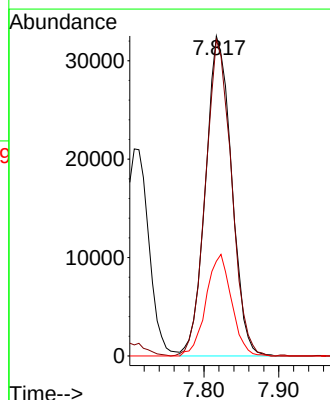
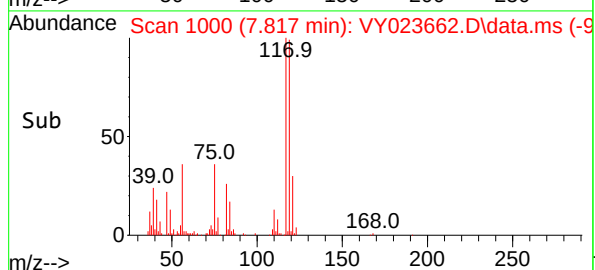
Delta R.T. -0.000 min

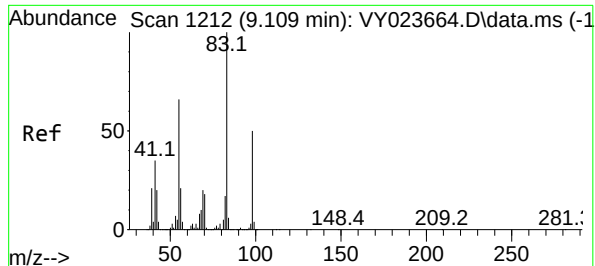
Lab File: VY023662.D

Acq: 04 Nov 2025 09:42



Tgt Ion:	117	Resp:	78995
Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.3	114.5
121	29.6	24.8	37.2





#39

Methylcyclohexane

Concen: 9.283 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 7961

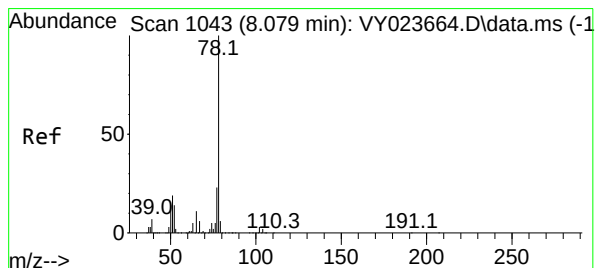
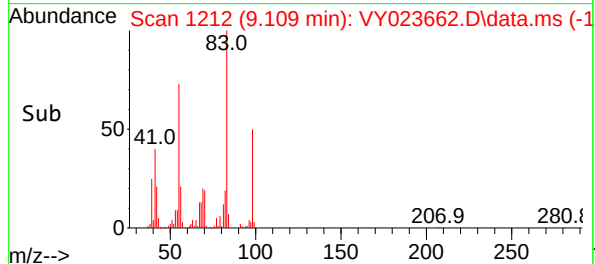
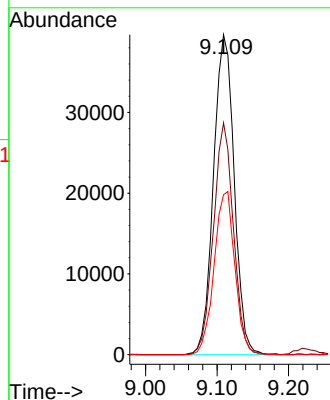
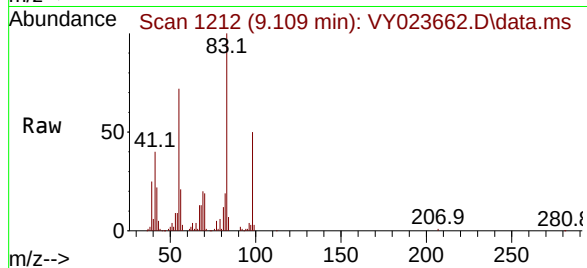
Ion	Ratio	Lower	Upper
83	100		
55	72.5	52.6	78.8
98	50.0	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 10.042 ug/l

RT: 8.079 min Scan# 1043

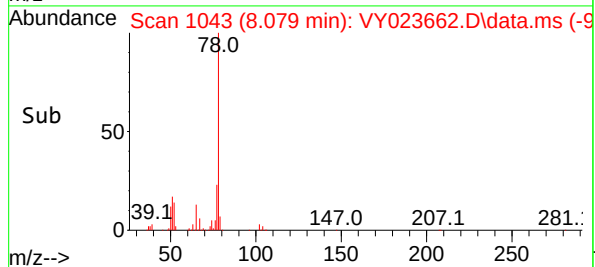
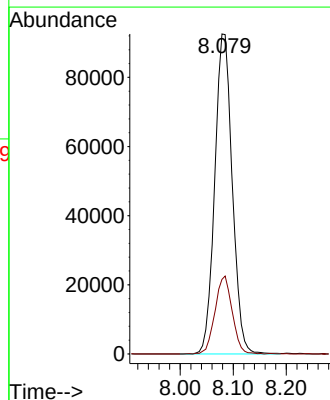
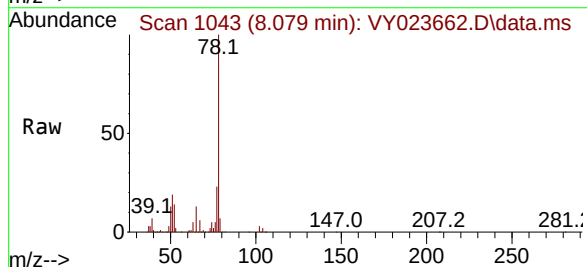
Delta R.T. -0.000 min

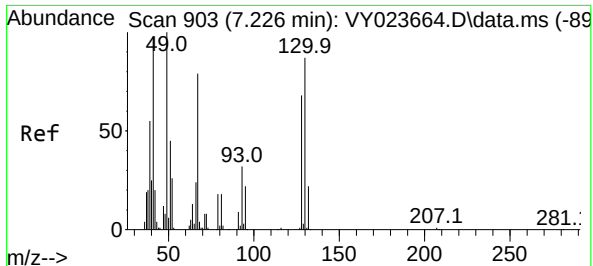
Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion: 78 Resp: 212456

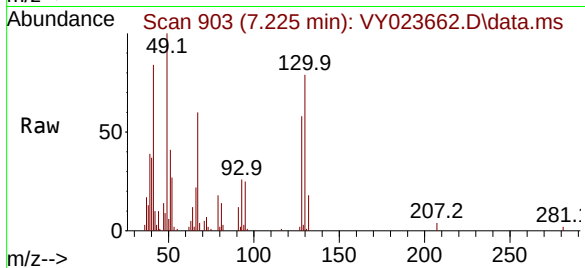
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41
Methacrylonitrile
Concen: 9.122 ug/l m
RT: 7.225 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

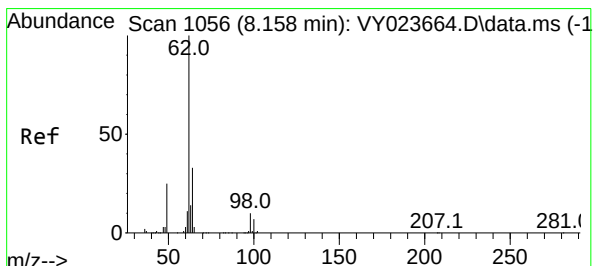
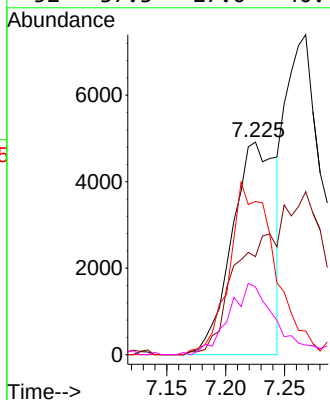
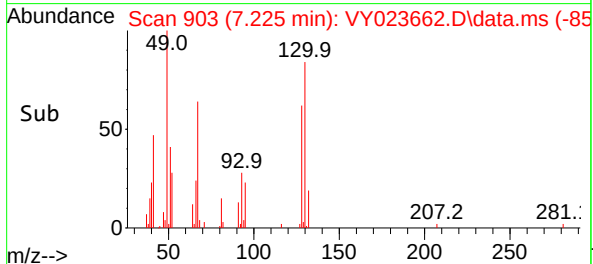
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



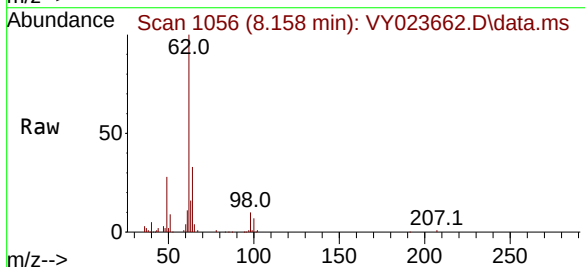
Tgt Ion: 41 Resp: 1264
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 84.1 71.3 106.9
52 37.3 27.0 40.4

Manual Integrations
APPROVED

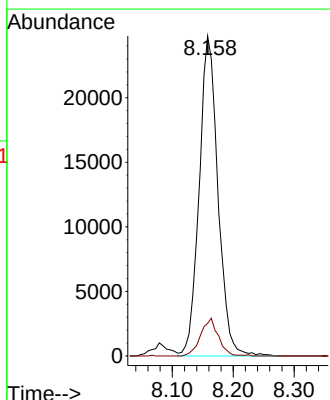
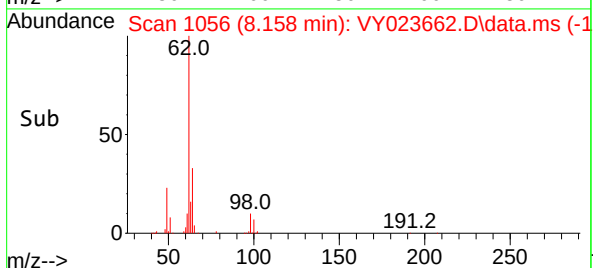
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

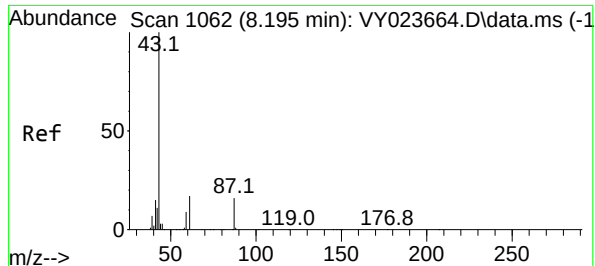


#42
1,2-Dichloroethane
Concen: 9.943 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion: 62 Resp: 53223
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 8.800 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 42964

Ion Ratio Lower Upper

43 100

61 24.7 18.2 27.2

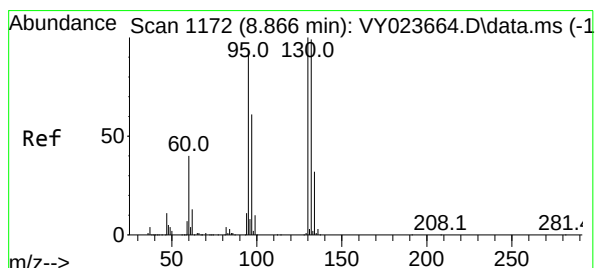
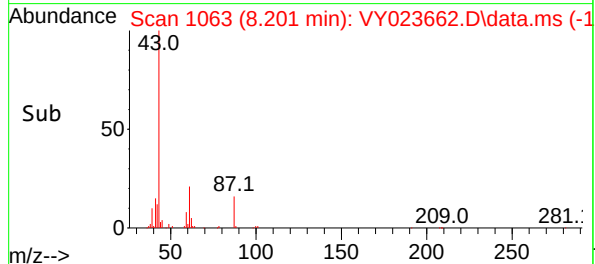
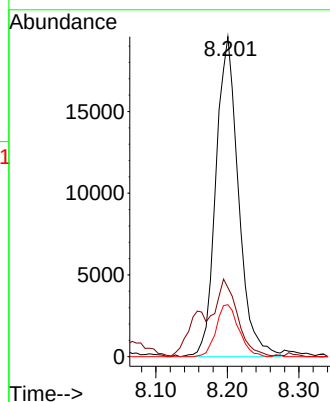
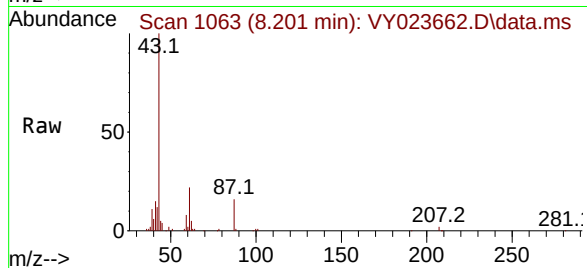
87 16.3 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 10.136 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023662.D

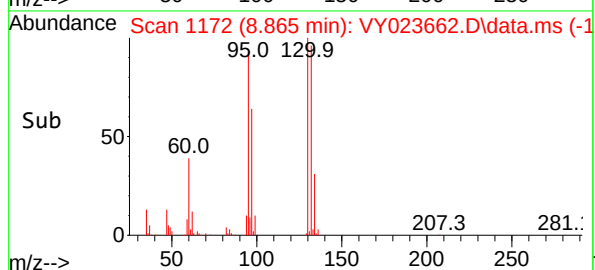
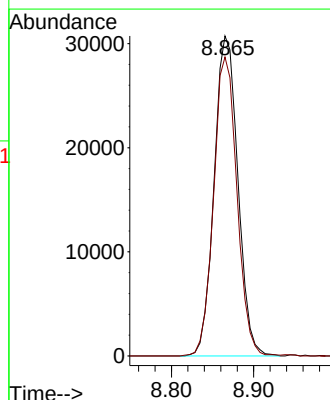
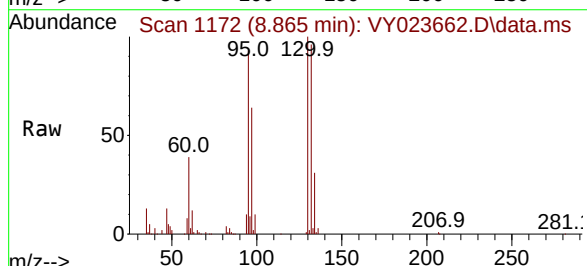
Acq: 04 Nov 2025 09:42

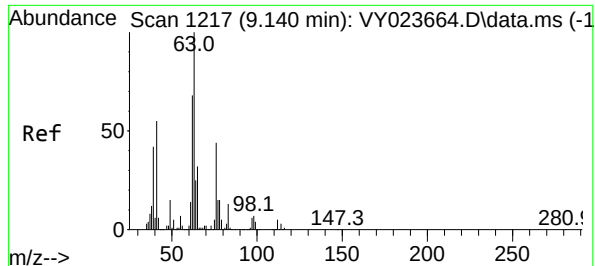
Tgt Ion:130 Resp: 61596

Ion Ratio Lower Upper

130 100

95 93.4 0.0 187.0





#45

1,2-Dichloropropane

Concen: 9.810 ug/l

RT: 9.139 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 45808

Ion Ratio Lower Upper

63 100

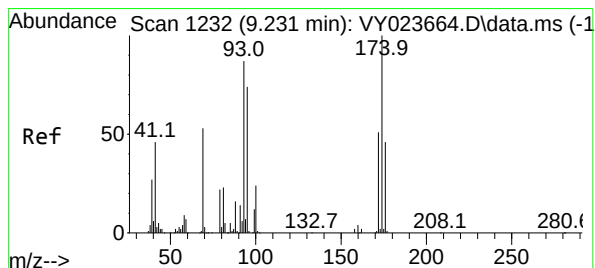
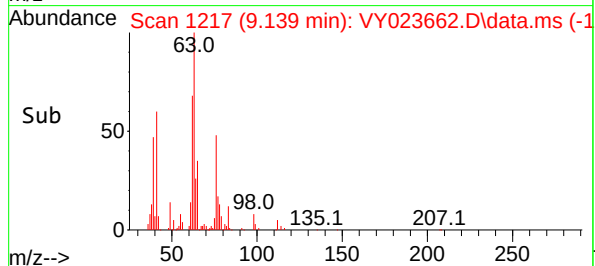
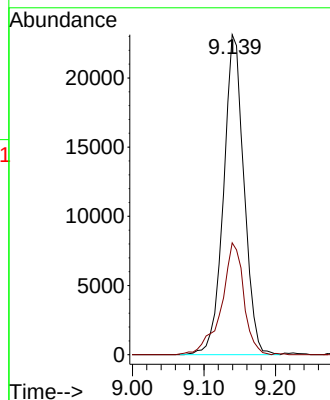
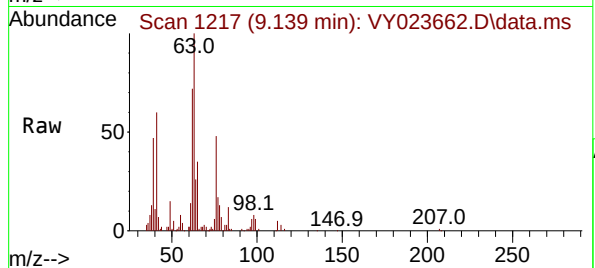
65 34.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 9.538 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

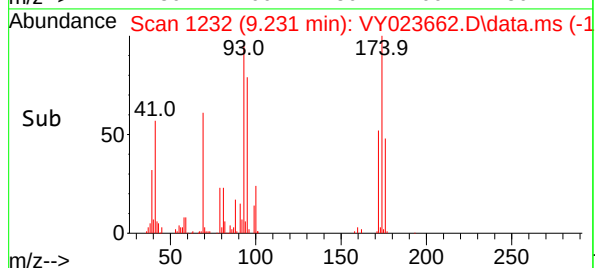
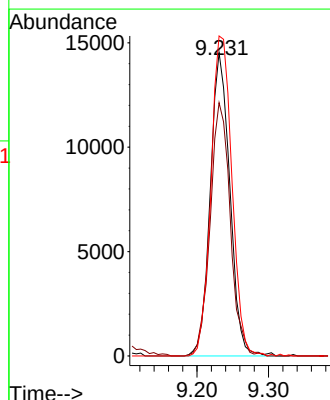
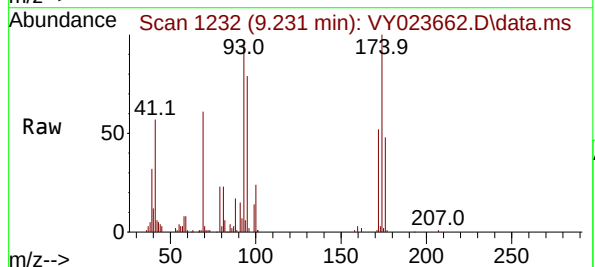
Tgt Ion: 93 Resp: 27595

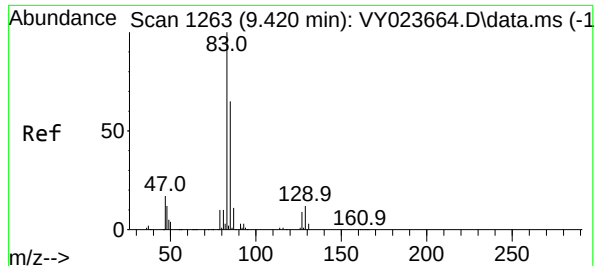
Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

174 113.0 89.4 134.0





#47

Bromodichloromethane

Concen: 9.740 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 71048

Ion Ratio Lower Upper

83 100

85 61.4 52.1 78.1

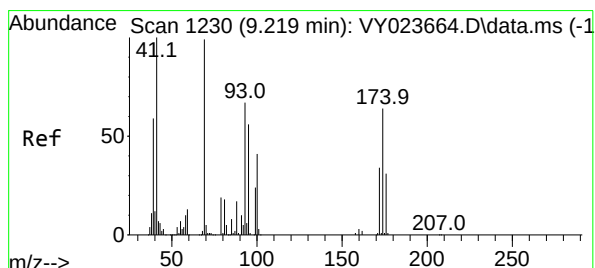
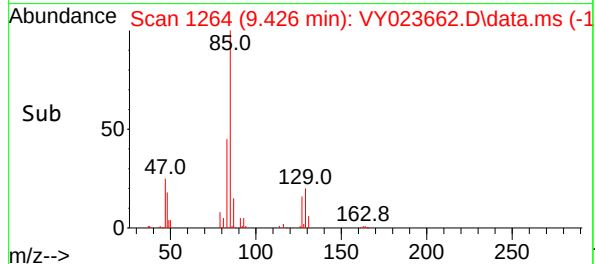
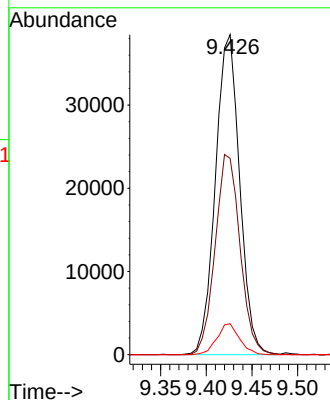
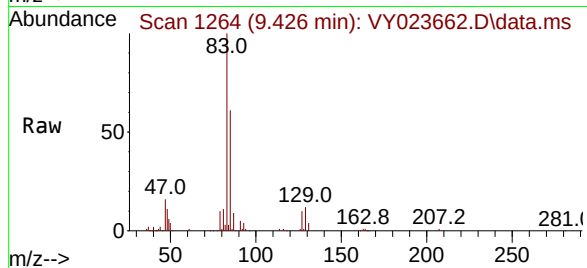
127 9.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 8.172 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

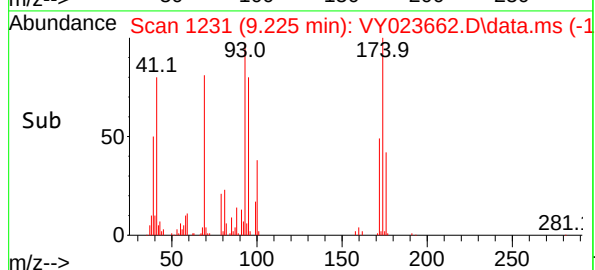
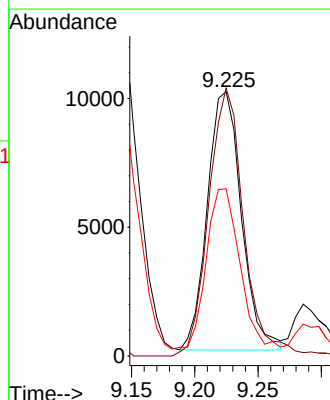
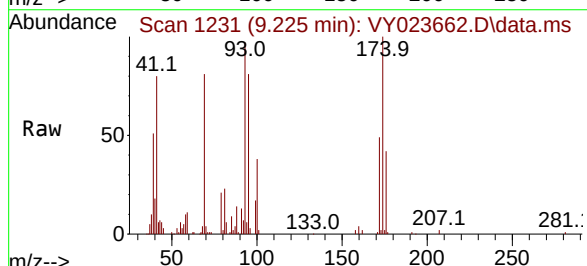
Tgt Ion: 41 Resp: 18849

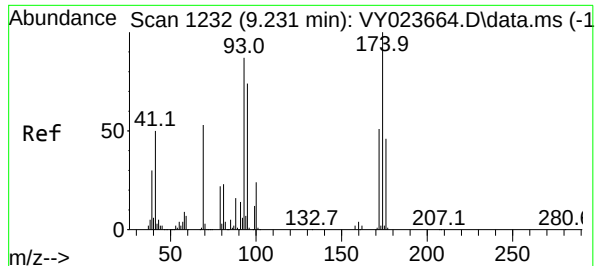
Ion Ratio Lower Upper

41 100

69 106.7 80.2 120.2

39 61.7 47.4 71.0





#49

1,4-Dioxane

Concen: 170.965 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 5062

Ion Ratio Lower Upper

88 100

43 31.7 22.0 33.0

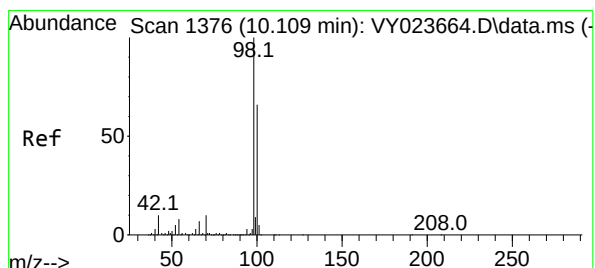
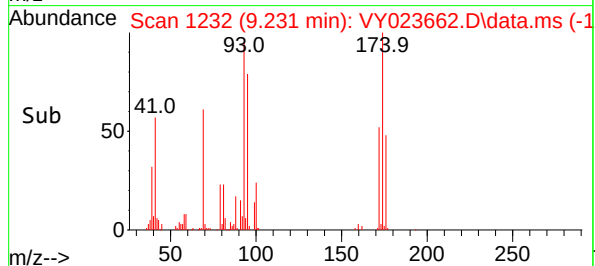
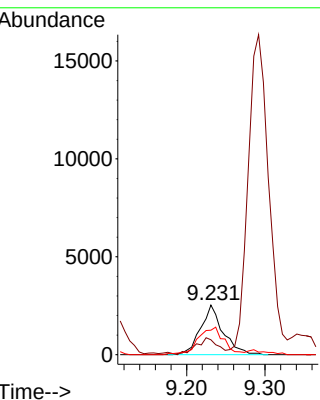
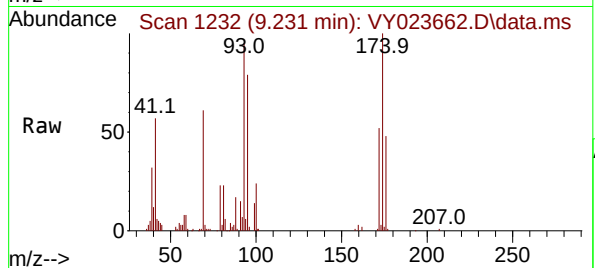
58 63.4 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 9.862 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023662.D

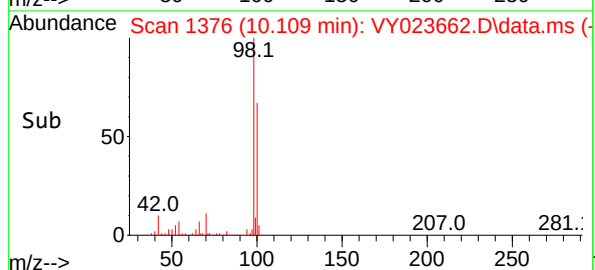
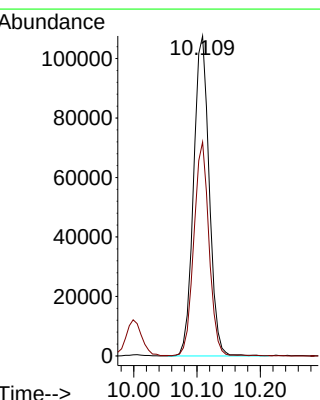
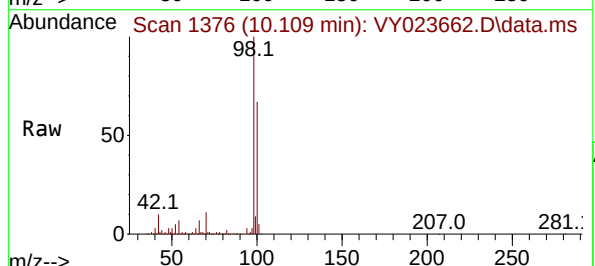
Acq: 04 Nov 2025 09:42

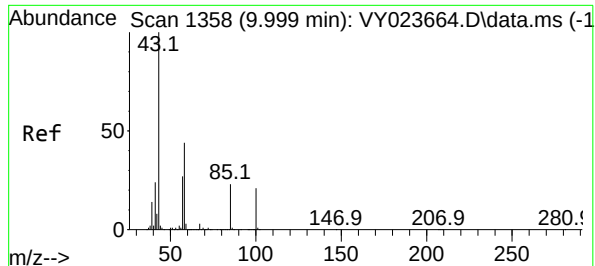
Tgt Ion: 98 Resp: 184529

Ion Ratio Lower Upper

98 100

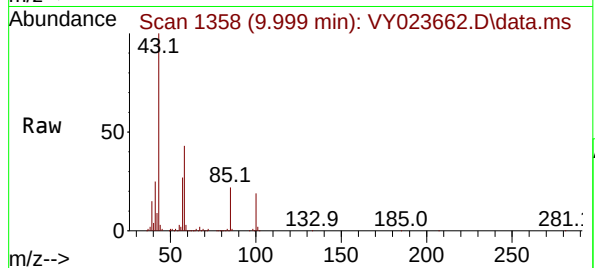
100 64.7 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 42.067 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

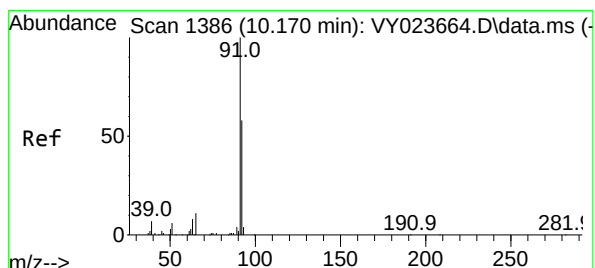
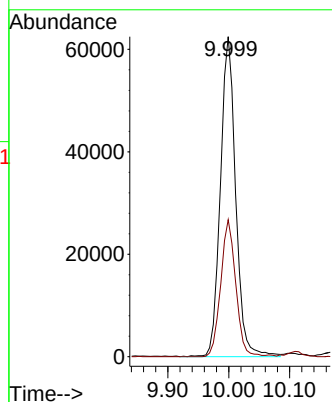
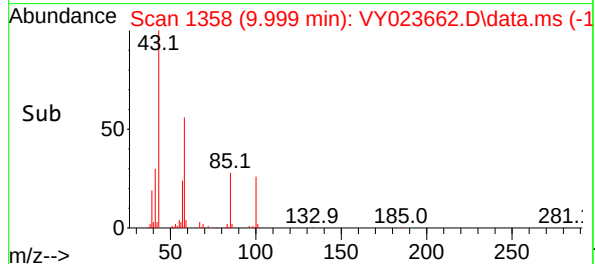
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 10922
Ion Ratio Lower Upper
43 100
58 41.9 34.8 52.2

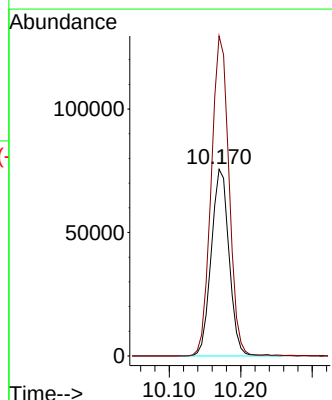
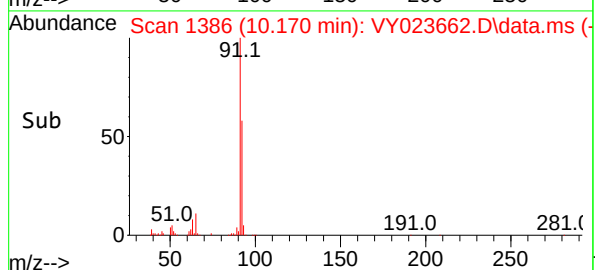
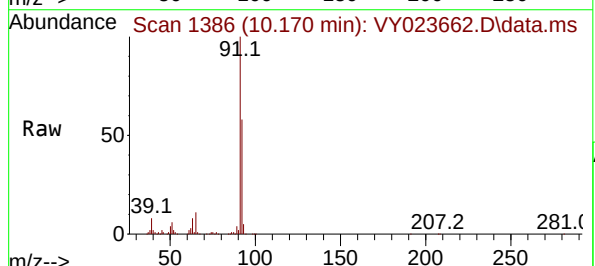
Manual Integrations
APPROVED

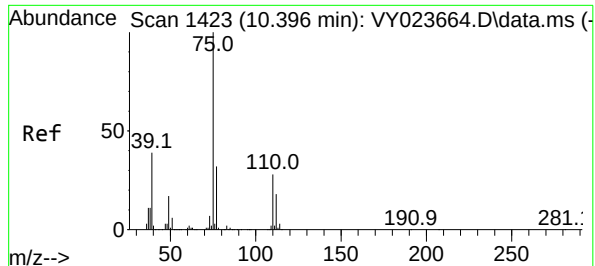
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 9.672 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

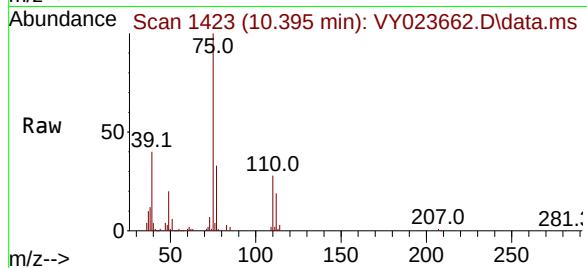
Tgt Ion: 92 Resp: 130648
Ion Ratio Lower Upper
92 100
91 171.4 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 9.093 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

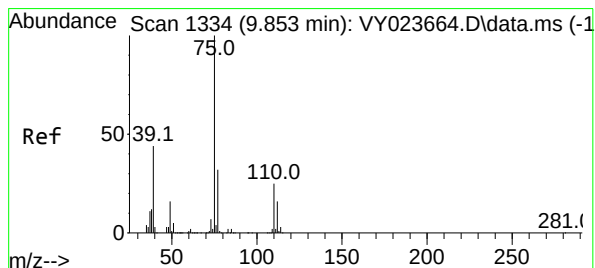
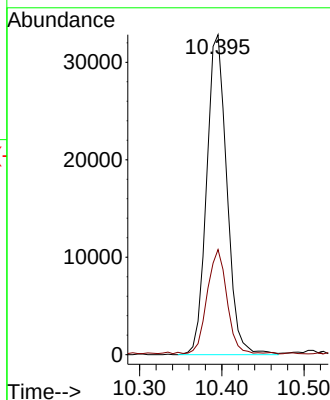
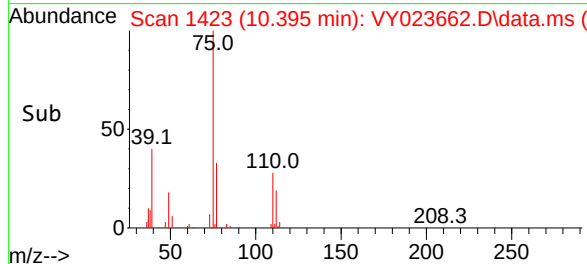
Instrument : MSVOA_Y
ClientSampleId : VSTDIC010



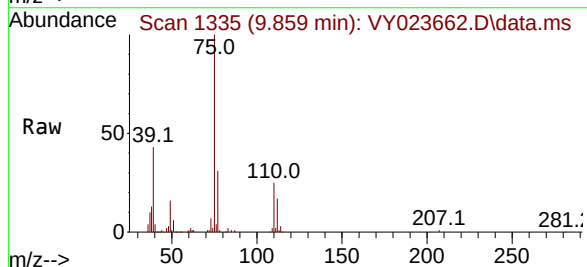
Tgt Ion: 75 Resp: 5612
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4

Manual Integrations
APPROVED

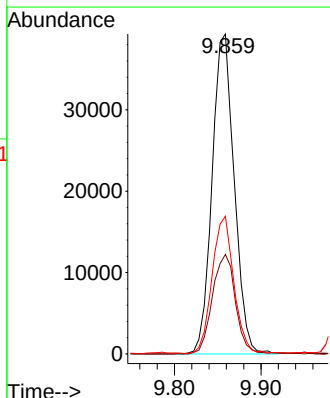
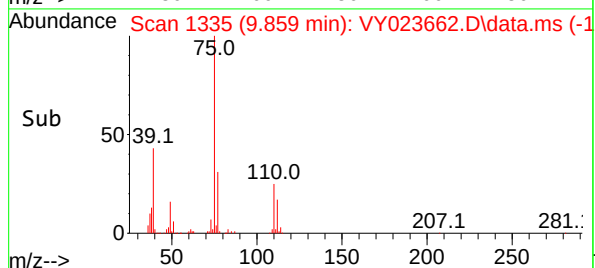
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

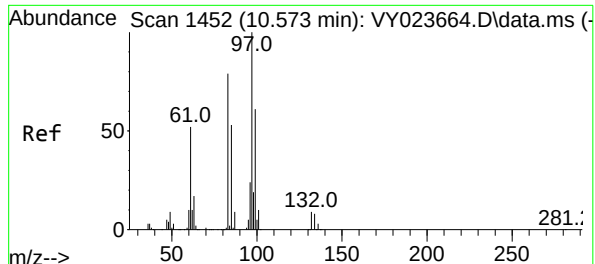


#54
cis-1,3-Dichloropropene
Concen: 9.436 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



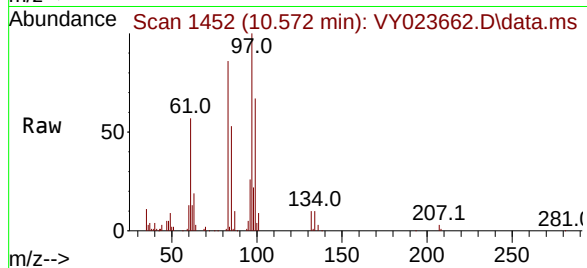
Tgt Ion: 75 Resp: 69773
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 42.7 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 9.581 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

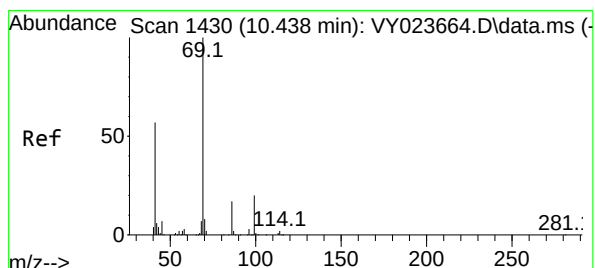
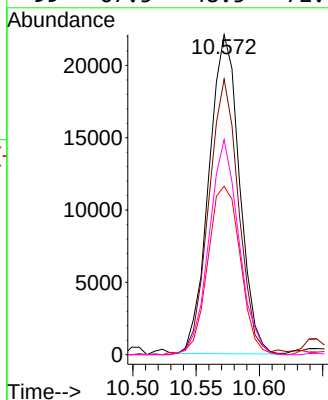
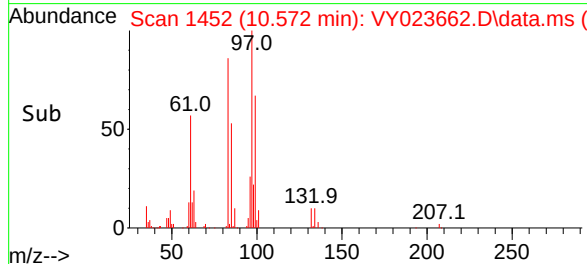
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	63.3	94.9
85	52.5	42.4	63.6
99	67.5	48.5	72.7

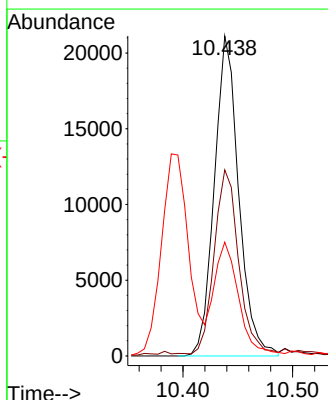
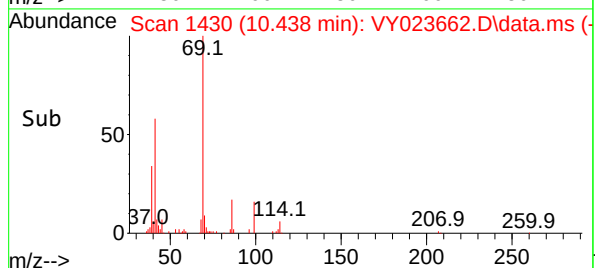
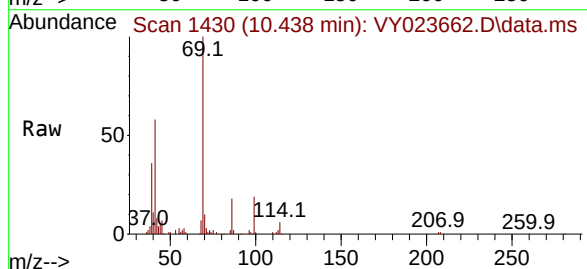
Manual Integrations
APPROVED

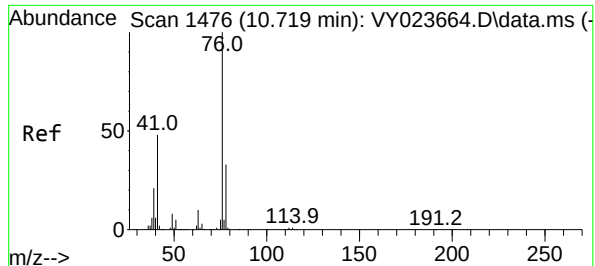
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 7.680 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.0	45.0	67.4
39	34.4	25.1	37.7





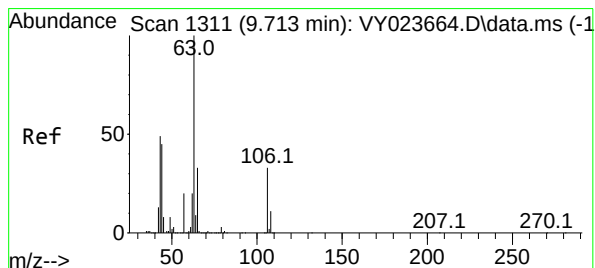
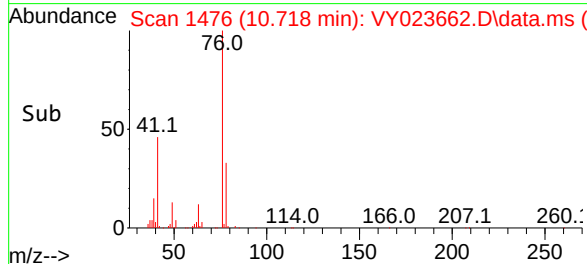
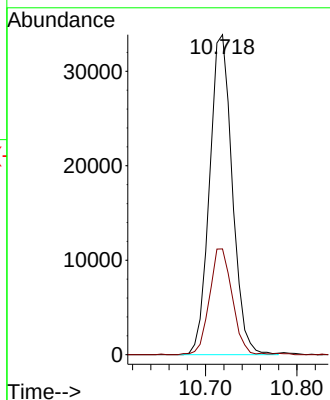
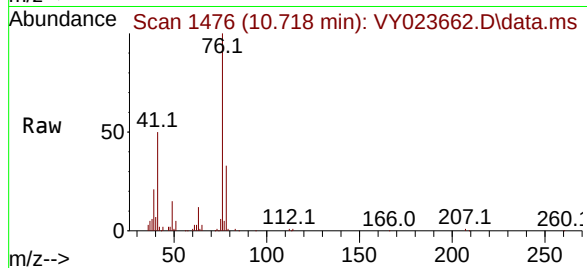
#57
1,3-Dichloropropane
Concen: 9.506 ug/l
RT: 10.718 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 5830
Ion Ratio Lower Upper
76 100
78 33.3 26.0 39.0

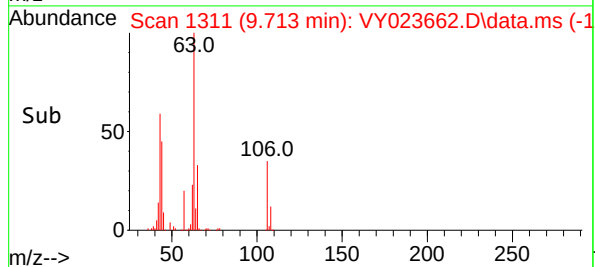
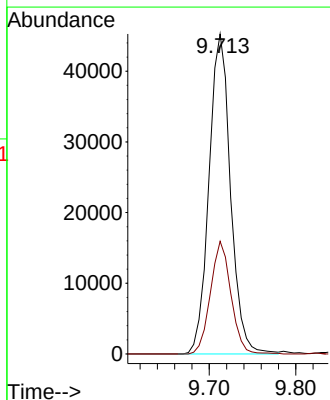
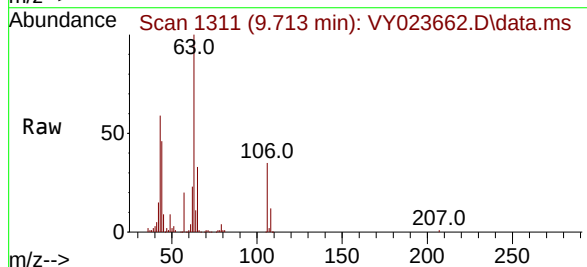
Manual Integrations
APPROVED

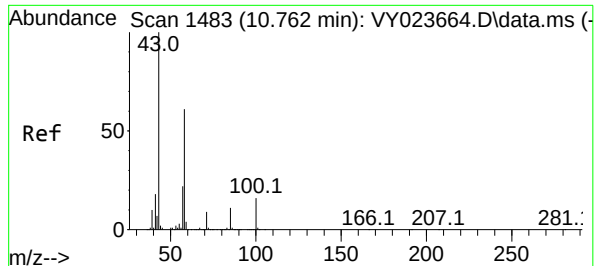
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 40.025 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

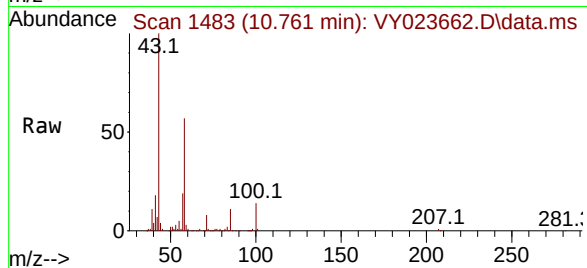
Tgt Ion: 63 Resp: 78241
Ion Ratio Lower Upper
63 100
106 33.5 26.2 39.2





#59
2-Hexanone
Concen: 42.130 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

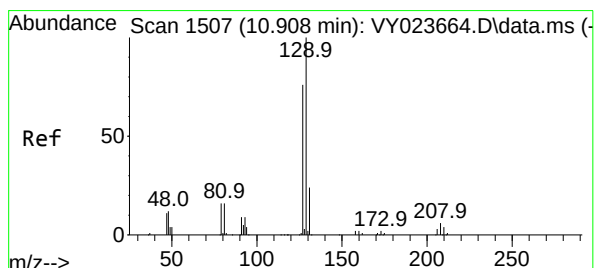
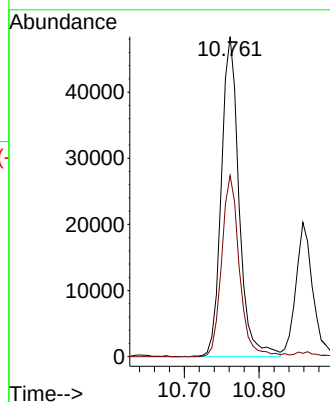
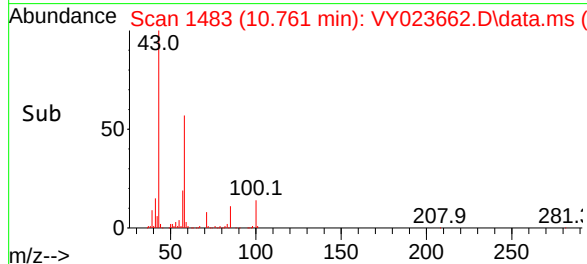
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



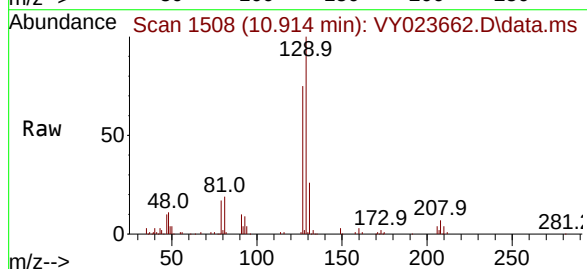
Tgt Ion: 43 Resp: 79804
Ion Ratio Lower Upper
43 100
58 56.9 30.2 90.6

Manual Integrations
APPROVED

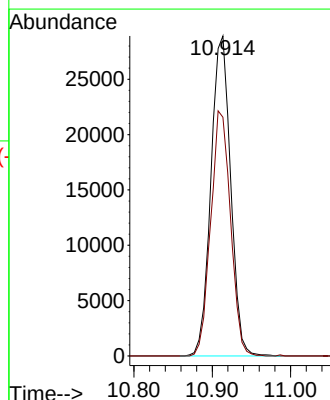
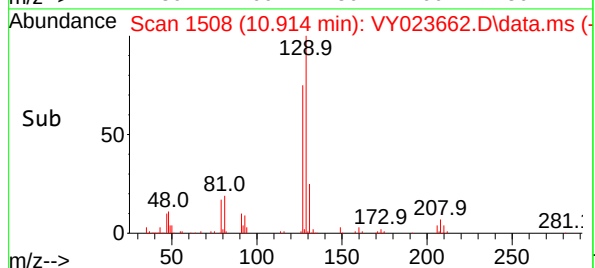
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

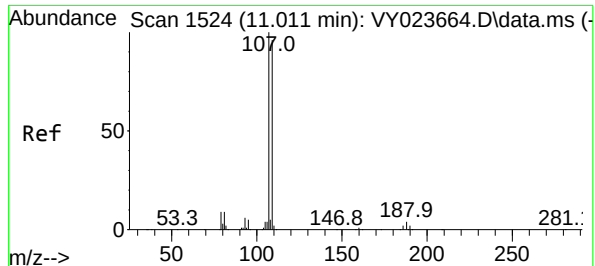


#60
Dibromochloromethane
Concen: 9.499 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



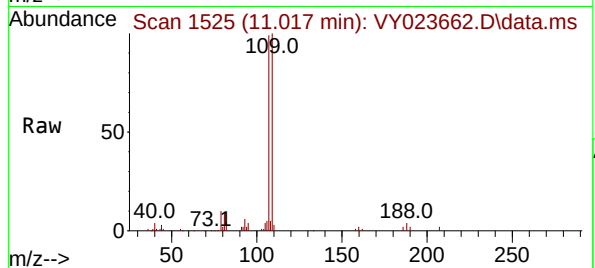
Tgt Ion:129 Resp: 50465
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61
1,2-Dibromoethane
Concen: 9.199 ug/l
RT: 11.017 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

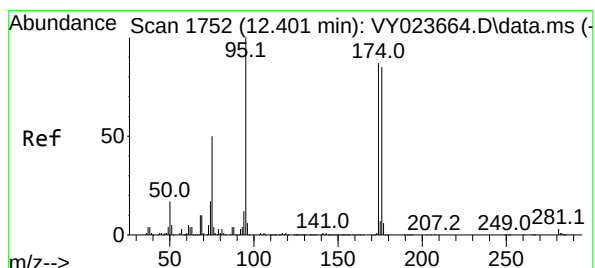
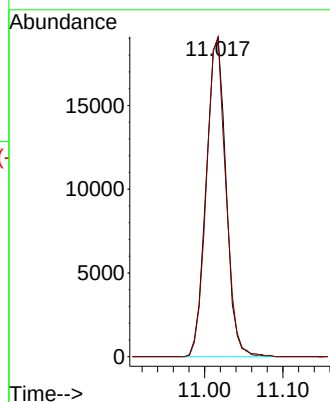
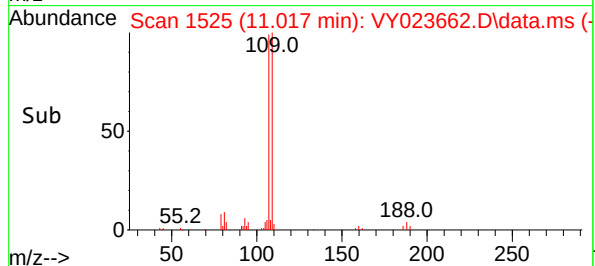
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 107 Resp: 33380
Ion Ratio Lower Upper
107 100
109 98.0 76.2 114.4

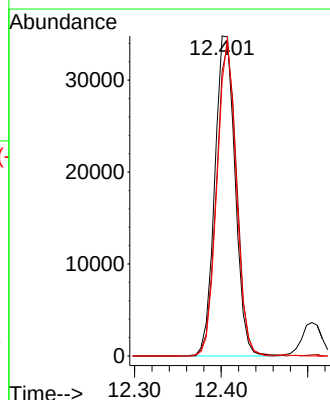
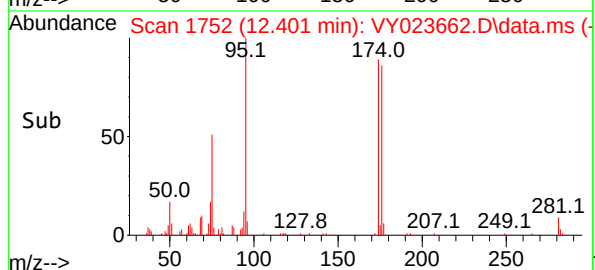
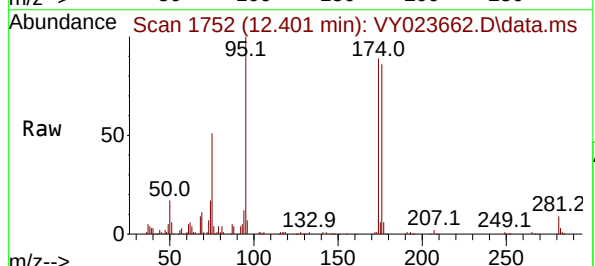
Manual Integrations
APPROVED

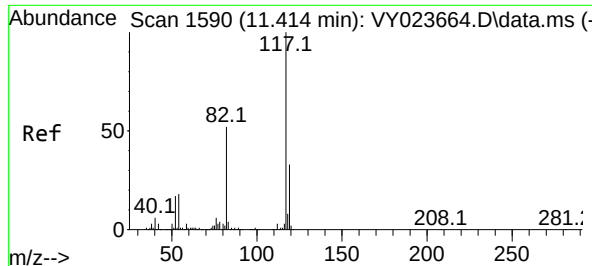
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 9.395 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

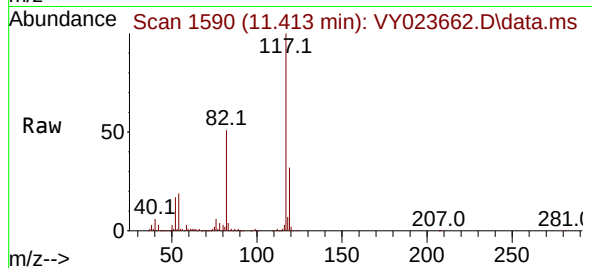
Tgt Ion: 95 Resp: 56847
Ion Ratio Lower Upper
95 100
174 96.7 0.0 184.8
176 93.3 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

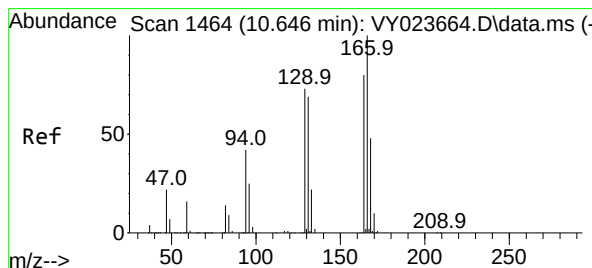
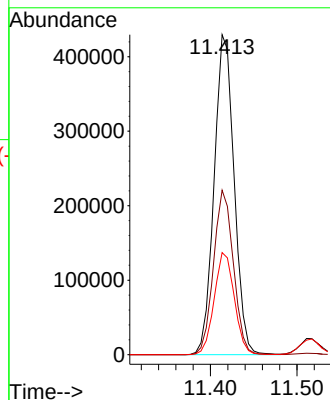
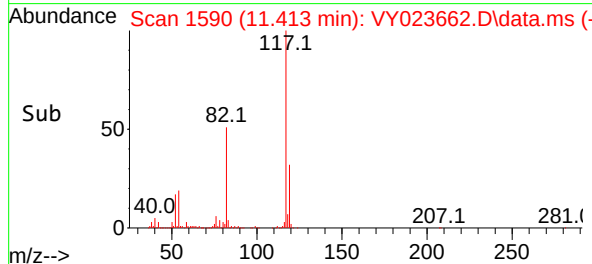
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:117 Resp: 69056
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 31.9 26.2 39.2

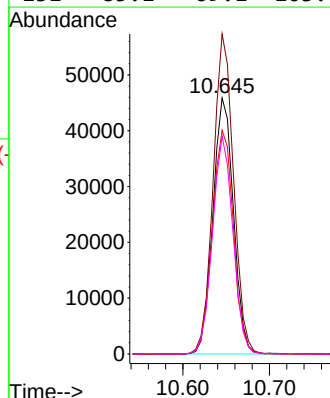
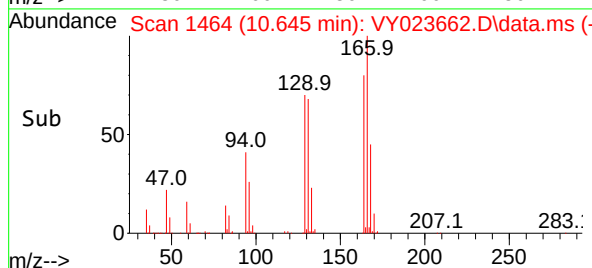
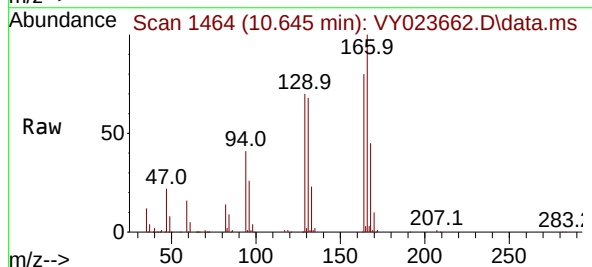
Manual Integrations
APPROVED

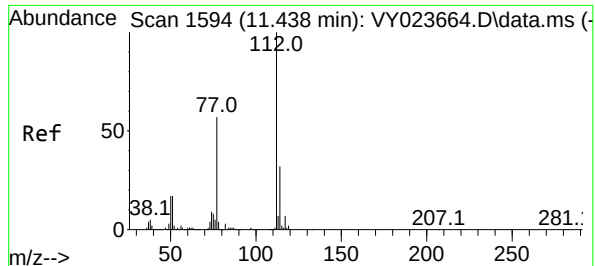
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 10.541 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

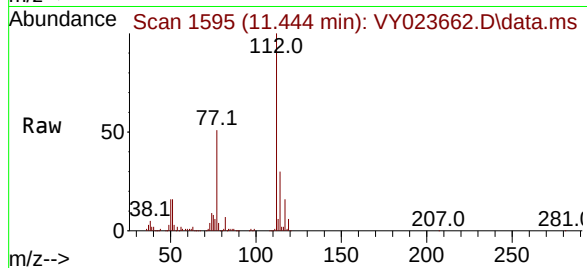
Tgt Ion:164 Resp: 75769
Ion Ratio Lower Upper
164 100
166 125.0 99.5 149.3
129 87.4 72.3 108.5
131 85.1 69.1 103.7





#65
Chlorobenzene
Concen: 10.063 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

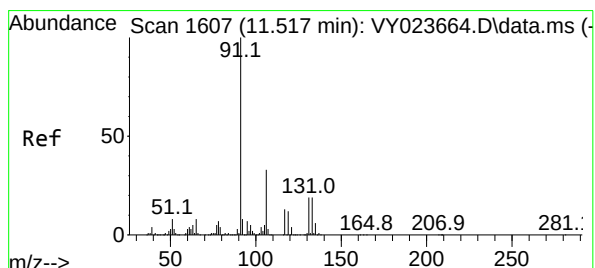
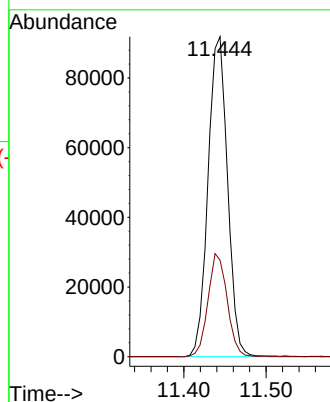
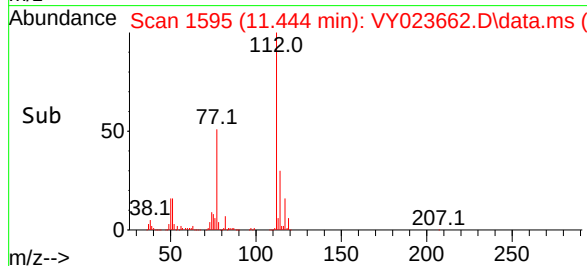
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:112 Resp: 15128
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6

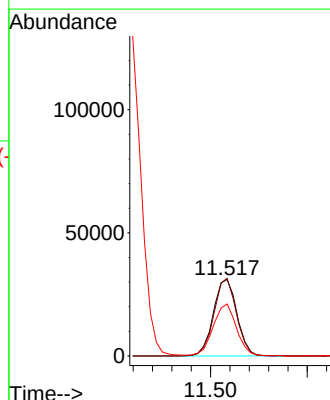
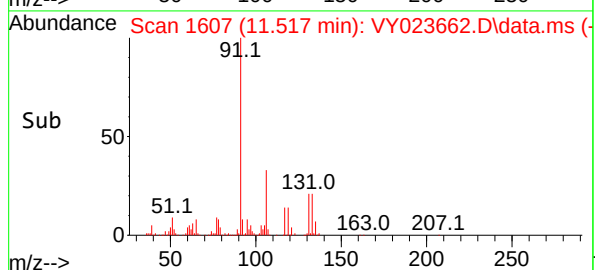
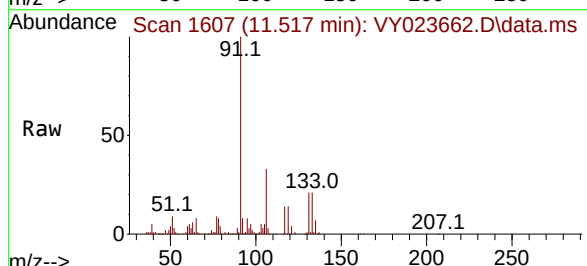
Manual Integrations
APPROVED

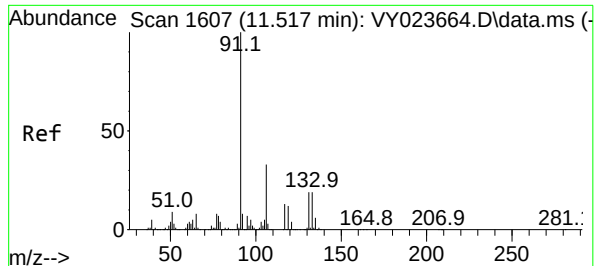
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.868 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

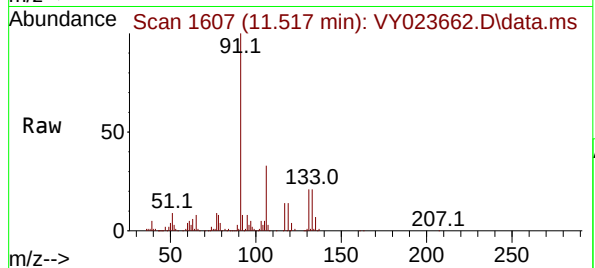
Tgt Ion:131 Resp: 52459
Ion Ratio Lower Upper
131 100
133 96.9 47.3 141.8
119 67.8 32.5 97.4





#67
Ethyl Benzene
Concen: 9.430 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

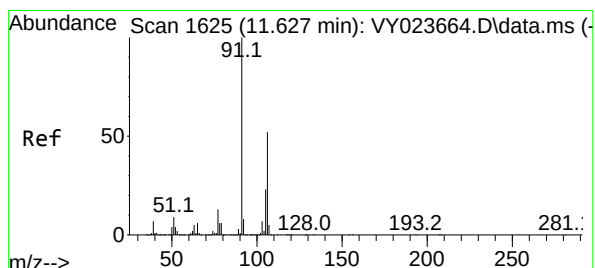
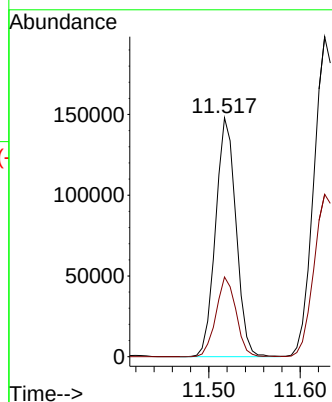
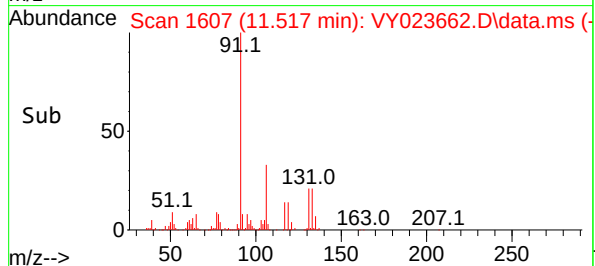
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



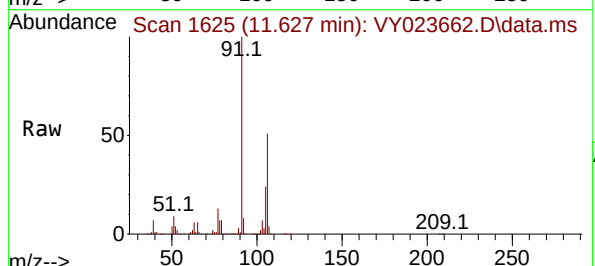
Tgt Ion: 91 Resp: 229438
Ion Ratio Lower Upper
91 100
106 33.3 26.6 40.0

Manual Integrations
APPROVED

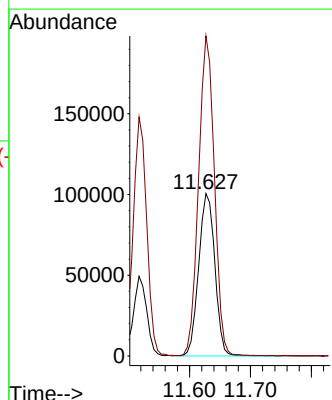
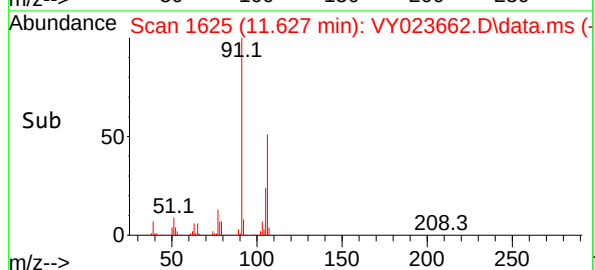
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

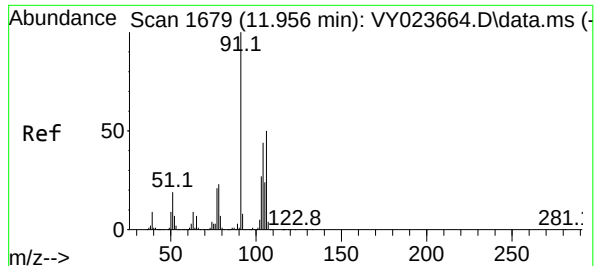


#68
m/p-Xylenes
Concen: 19.072 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



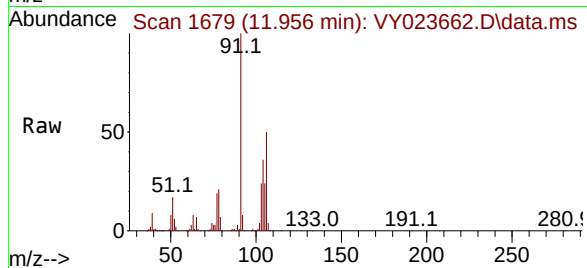
Tgt Ion:106 Resp: 185401
Ion Ratio Lower Upper
106 100
91 192.8 154.3 231.5





#69
o-Xylene
Concen: 9.219 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

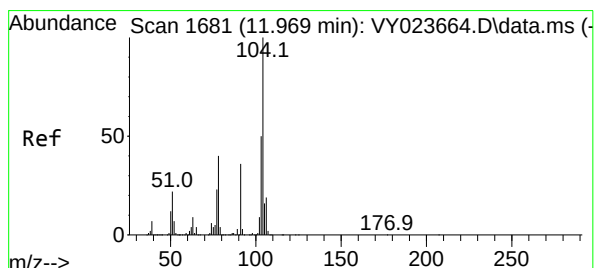
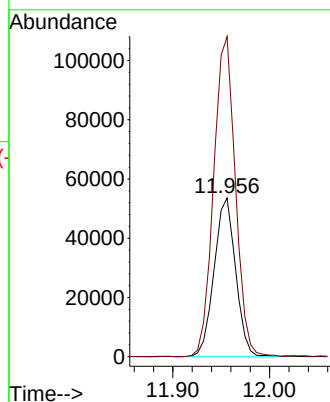
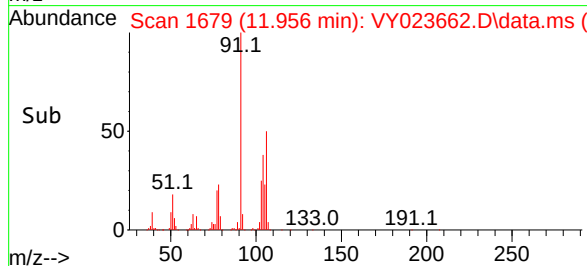
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:106 Resp: 82840
Ion Ratio Lower Upper
106 100
91 204.1 101.6 304.6

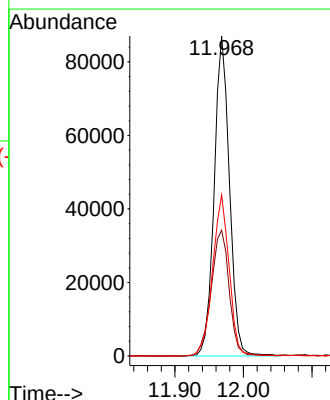
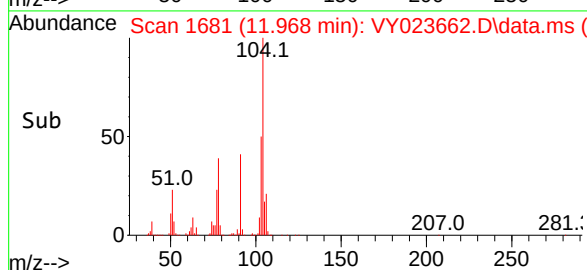
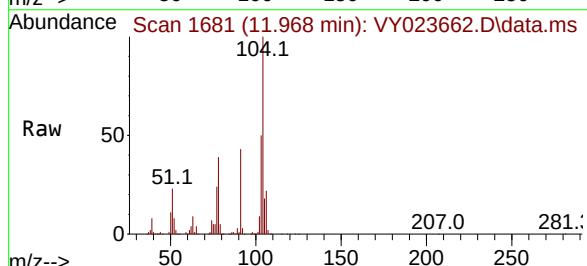
Manual Integrations
APPROVED

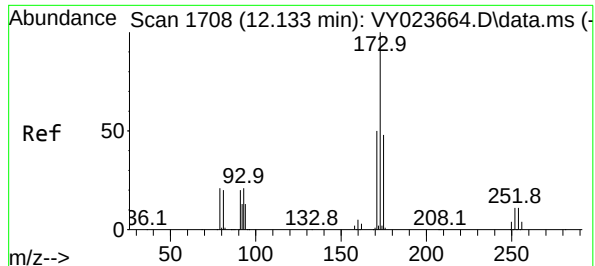
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 9.119 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

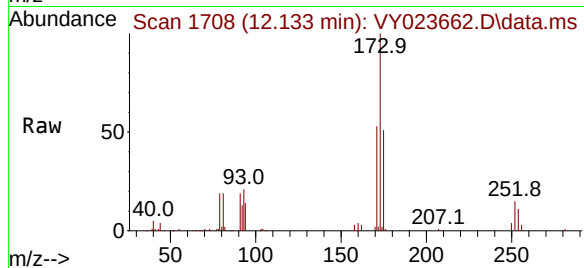
Tgt Ion:104 Resp: 135208
Ion Ratio Lower Upper
104 100
78 46.2 36.5 54.7
103 54.4 43.7 65.5





#71
Bromoform
Concen: 9.315 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

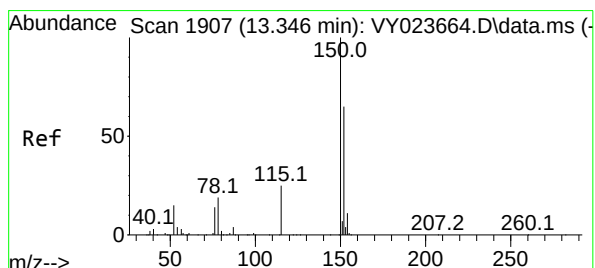
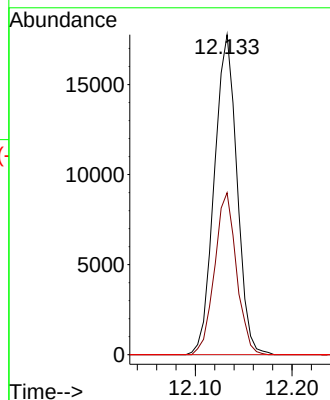
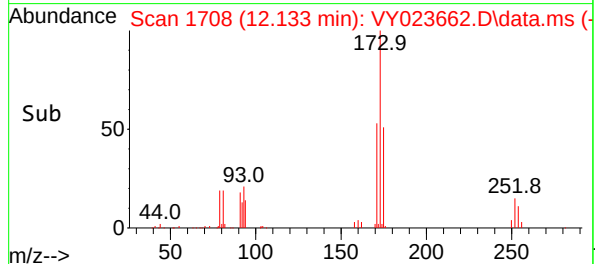
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



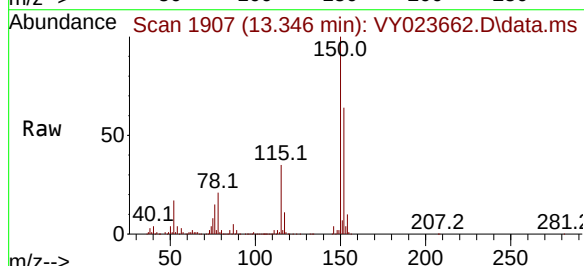
Tgt Ion:173 Resp: 2892
Ion Ratio Lower Upper
173 100
175 48.8 24.2 72.6
254 0.0 0.2 0.2

Manual Integrations
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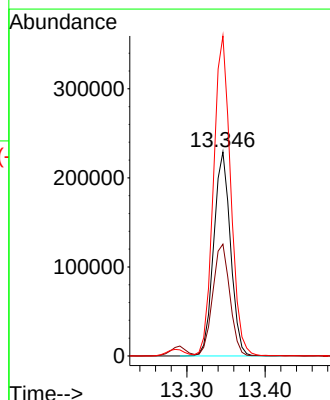
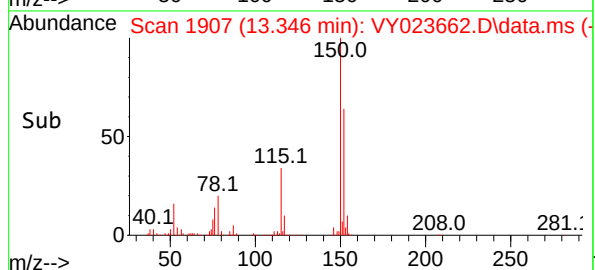
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

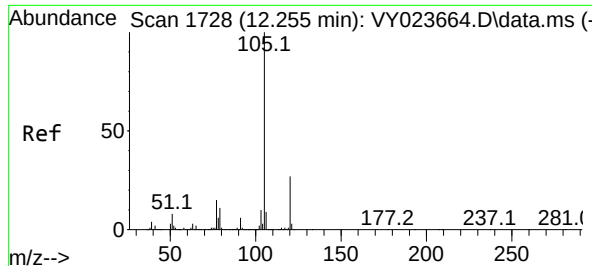


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



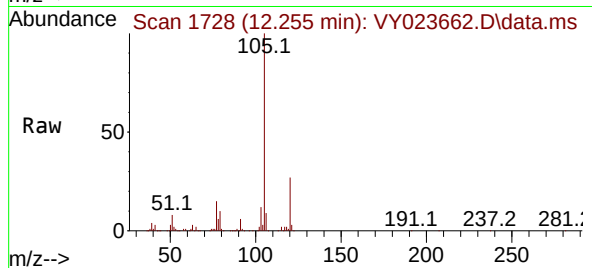
Tgt Ion:152 Resp: 340245
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.5
150 160.5 0.0 349.0





#73
Isopropylbenzene
Concen: 9.579 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

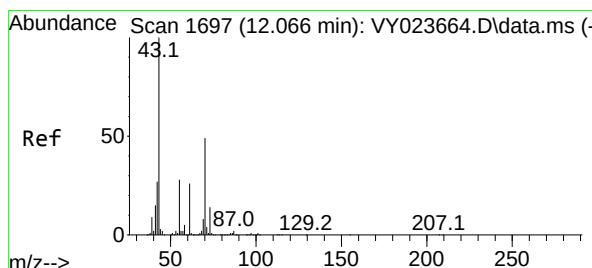
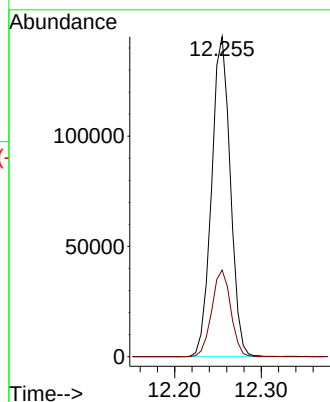
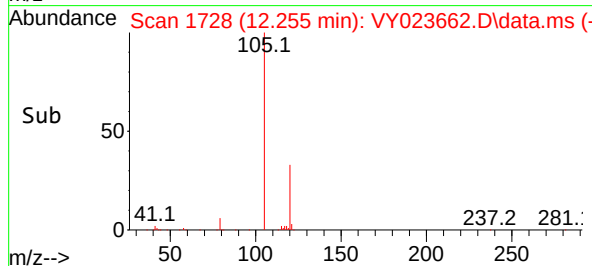
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:105 Resp: 217972
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

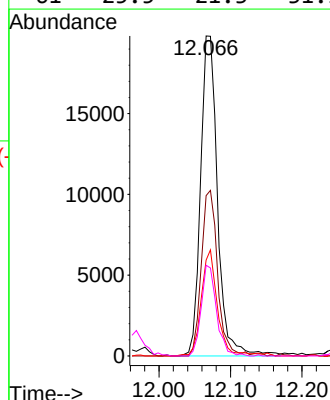
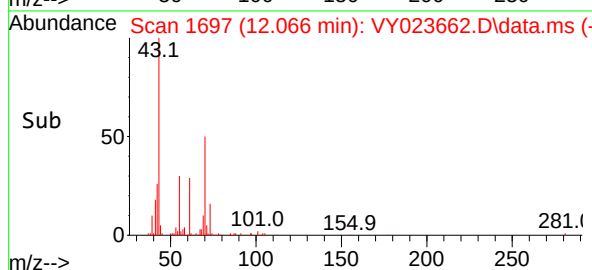
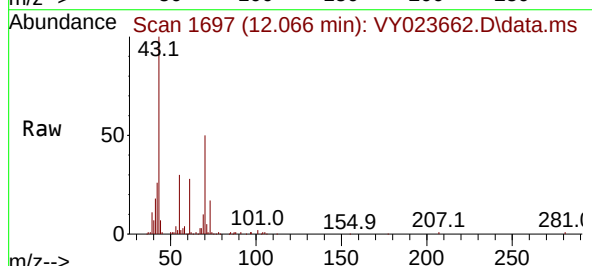
Manual Integrations
APPROVED

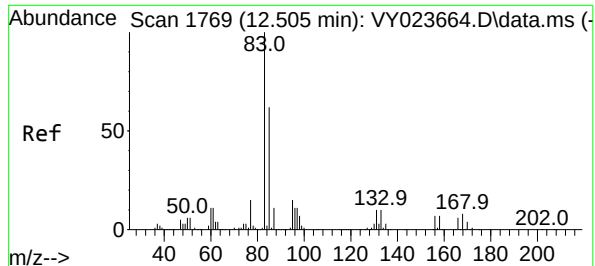
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 8.492 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 43 Resp: 32719
Ion Ratio Lower Upper
43 100
70 49.9 40.1 60.1
55 31.2 23.0 34.6
61 25.5 21.3 31.9





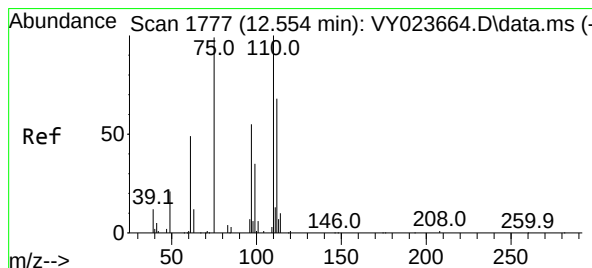
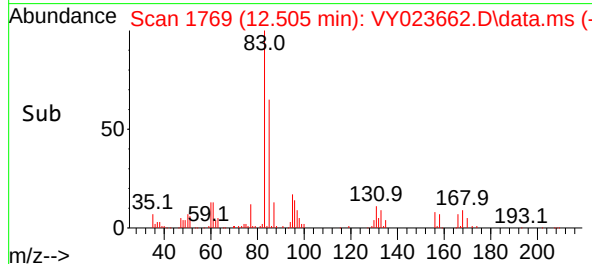
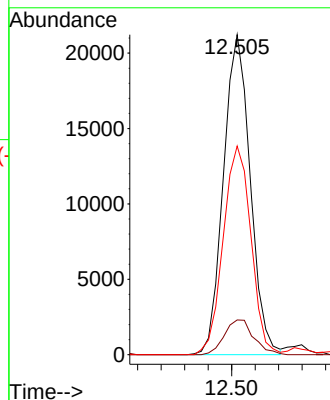
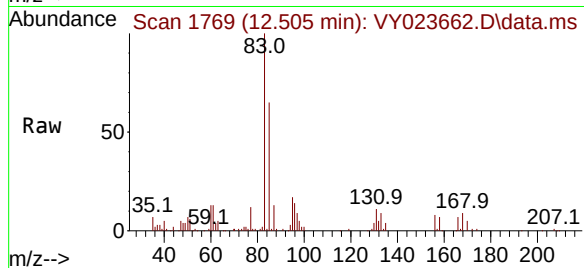
#75
1,1,2,2-Tetrachloroethane
Concen: 9.251 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 3362
Ion Ratio Lower Upper
83 100
131 11.9 5.7 17.0
85 67.4 31.9 95.7

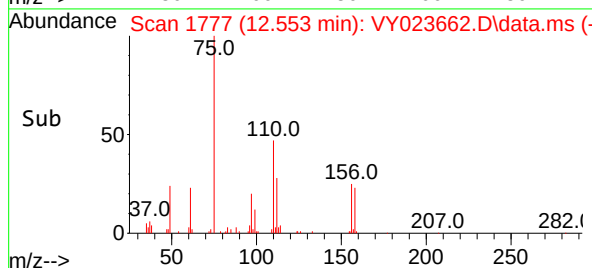
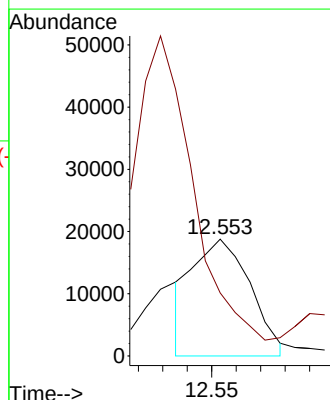
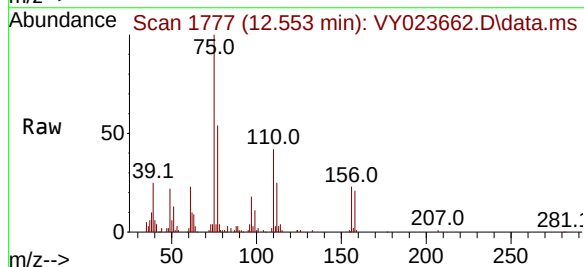
Manual Integrations
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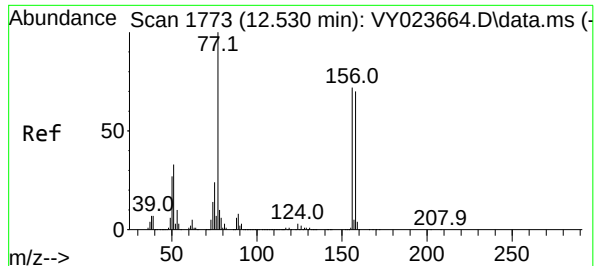
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 11.195 ug/l m
RT: 12.553 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 75 Resp: 30827
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





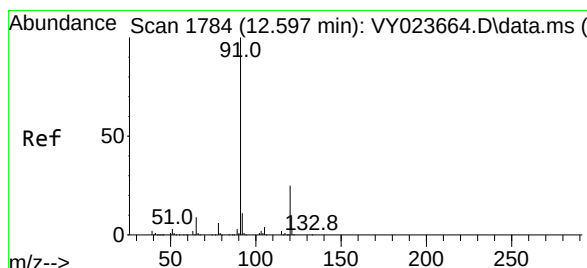
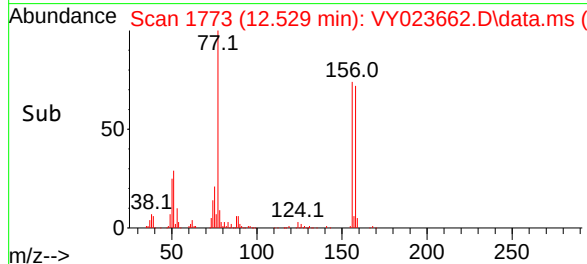
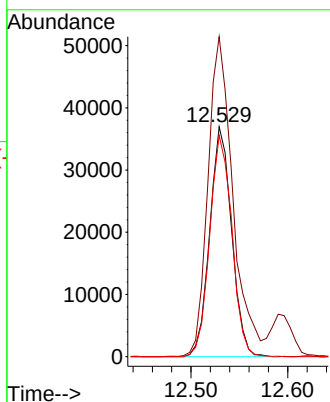
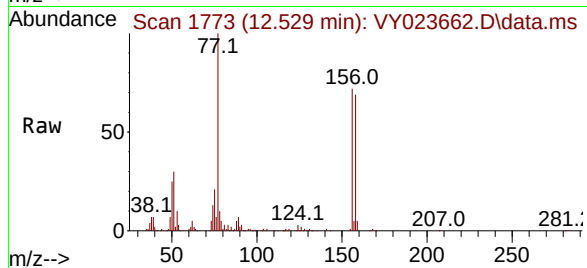
#77
Bromobenzene
Concen: 9.855 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:156 Resp: 5817
Ion Ratio Lower Upper
156 100
77 157.7 77.9 233.7
158 97.3 48.5 145.5

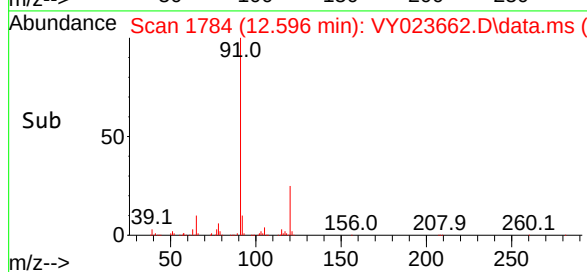
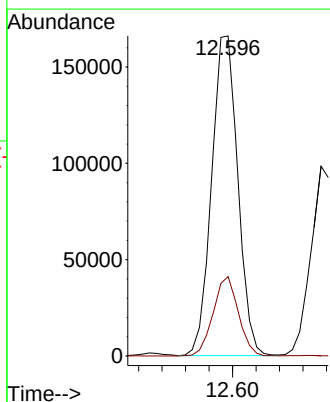
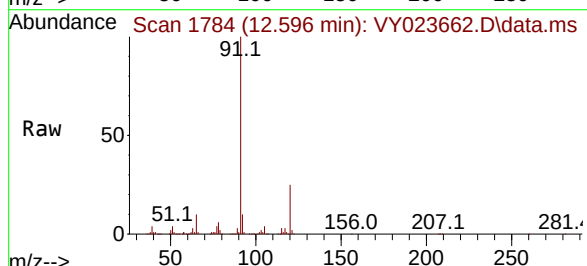
Manual Integrations
APPROVED

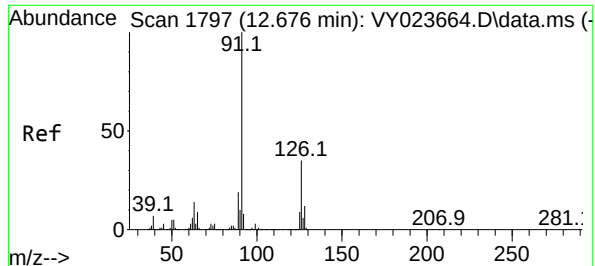
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 9.612 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 91 Resp: 257281
Ion Ratio Lower Upper
91 100
120 23.9 12.0 36.1





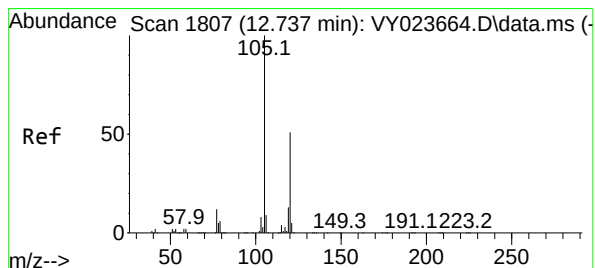
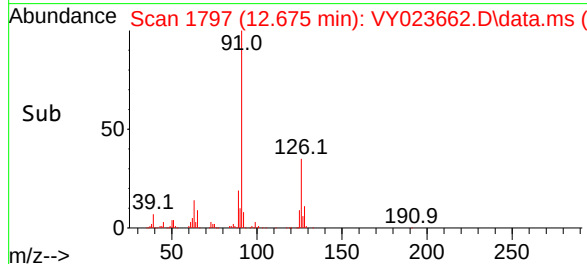
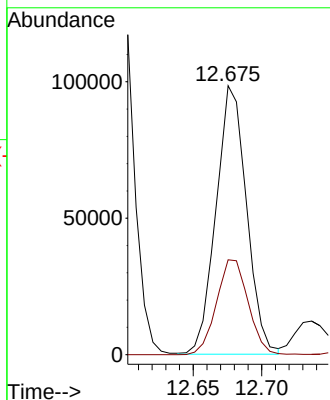
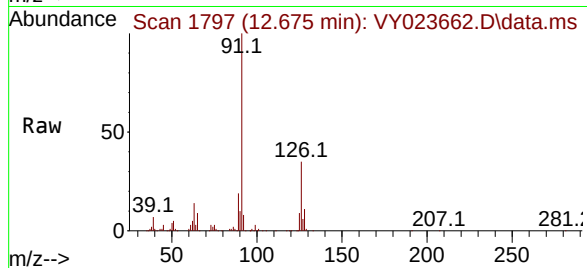
#79
2-Chlorotoluene
Concen: 9.830 ug/l
RT: 12.675 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 15269
Ion Ratio Lower Upper
91 100
126 36.6 18.0 54.0

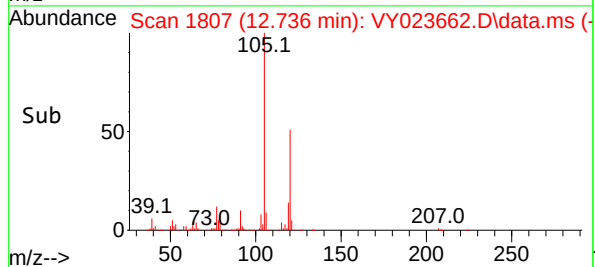
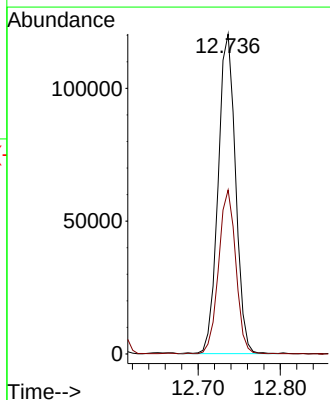
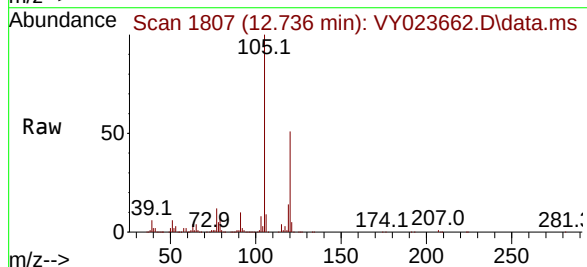
Manual Integrations
APPROVED

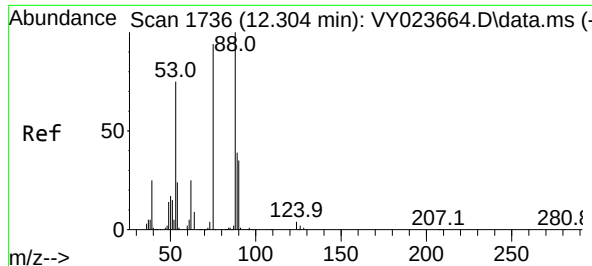
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 9.585 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

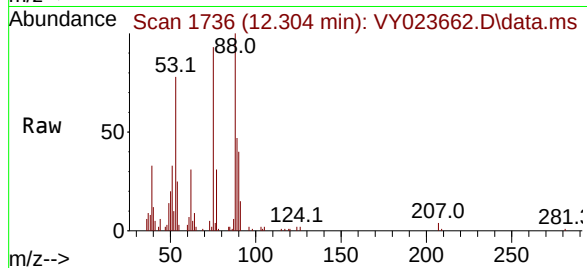
Tgt Ion:105 Resp: 177222
Ion Ratio Lower Upper
105 100
120 51.0 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 9.416 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

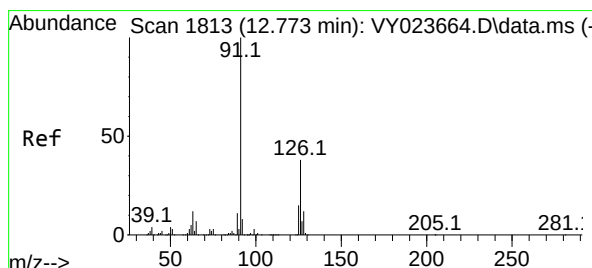
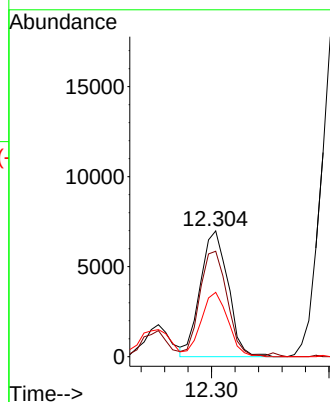
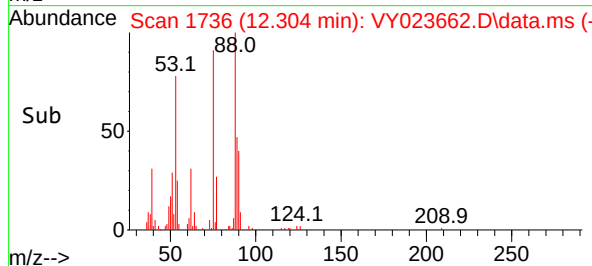
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 1147
Ion Ratio Lower Upper
75 100
53 81.0 69.6 104.4
89 49.7 38.2 57.4

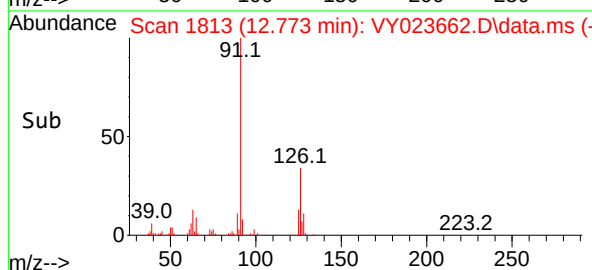
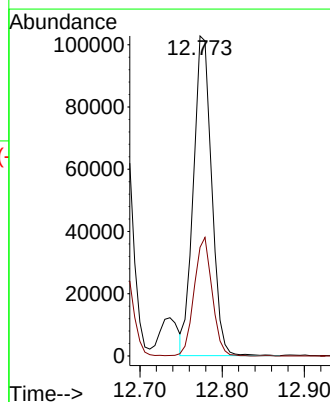
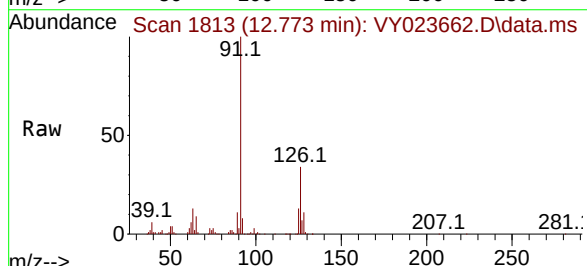
Manual Integrations
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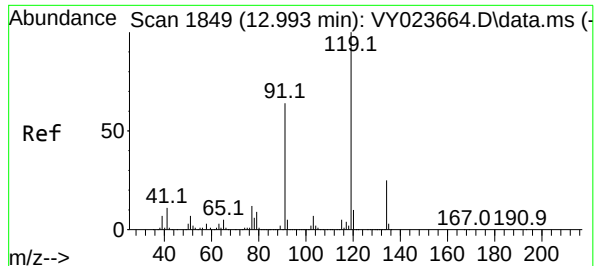
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 9.876 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

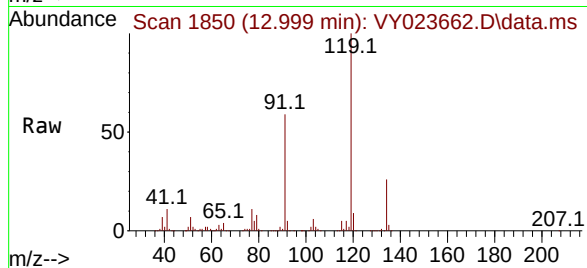
Tgt Ion: 91 Resp: 158206
Ion Ratio Lower Upper
91 100
126 36.5 18.1 54.4





#83
tert-Butylbenzene
Concen: 9.400 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

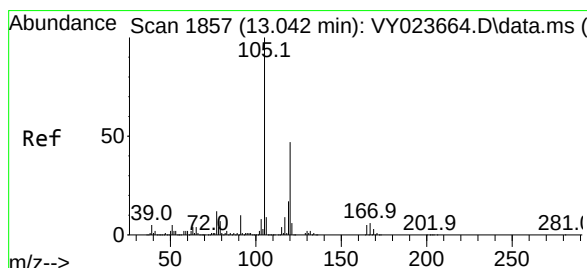
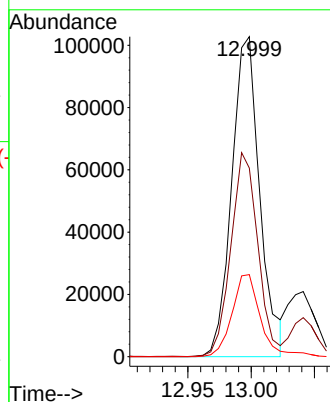
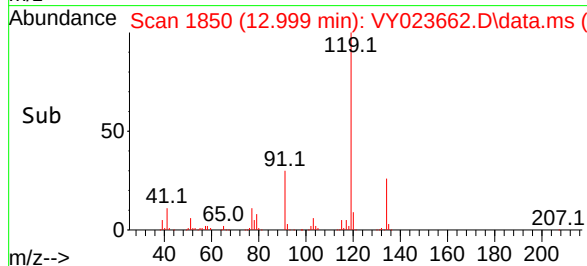
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:119 Resp: 158294
Ion Ratio Lower Upper
119 100
91 61.5 30.7 92.1
134 26.2 13.1 39.1

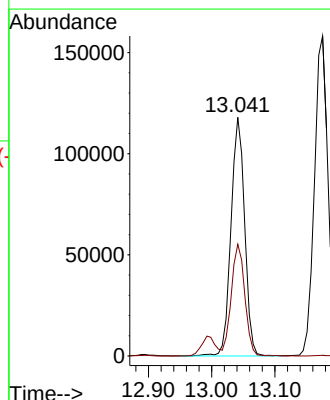
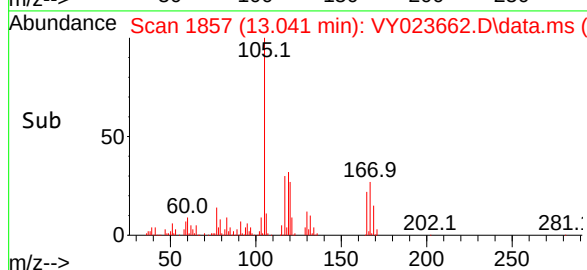
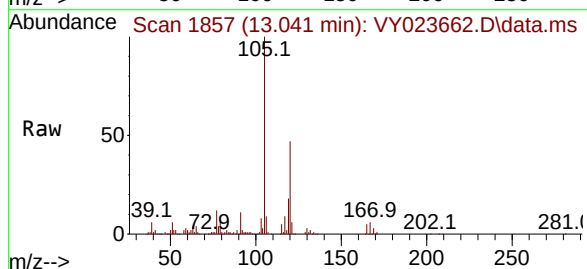
Manual Integrations
APPROVED

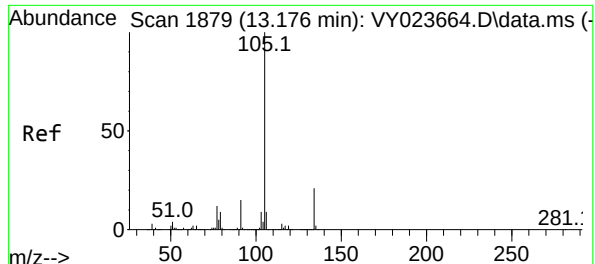
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.667 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

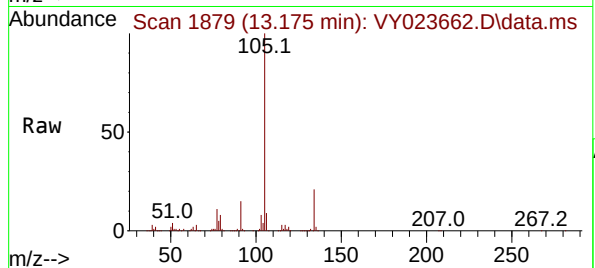
Tgt Ion:105 Resp: 177023
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.6





#85
sec-Butylbenzene
Concen: 9.730 ug/l
RT: 13.175 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

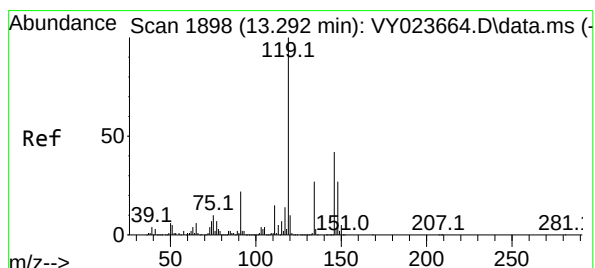
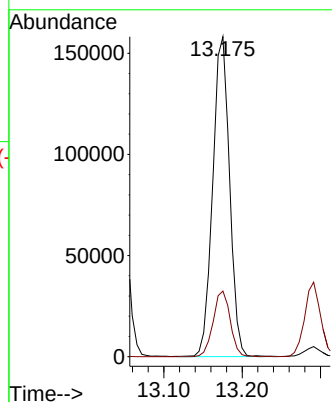
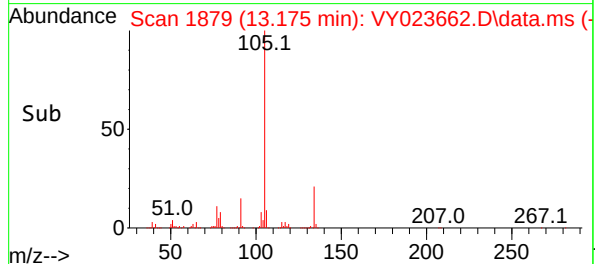
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 23633
Ion Ratio Lower Upper
105 100
134 20.7 10.4 31.4

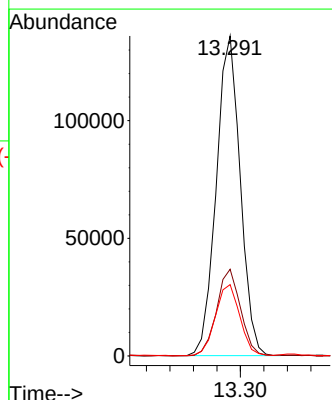
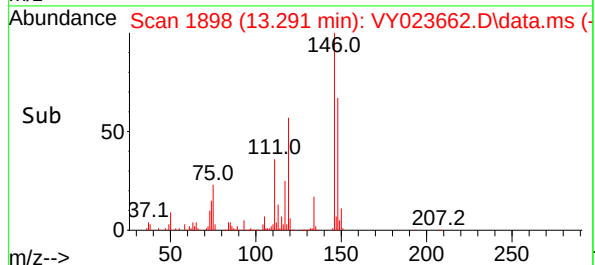
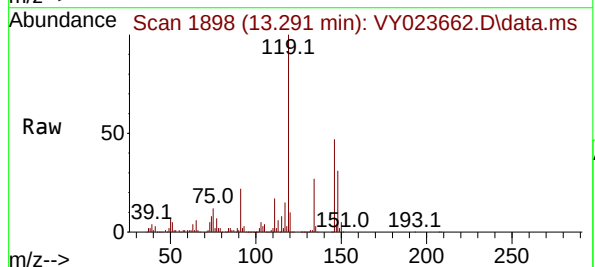
Manual Integrations
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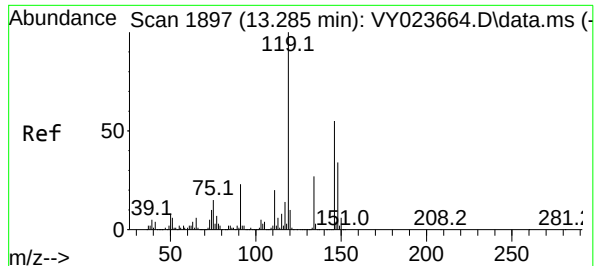
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 9.365 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion:119 Resp: 192560
Ion Ratio Lower Upper
119 100
134 27.2 13.4 40.2
91 22.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 9.976 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:146 Resp: 11590

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

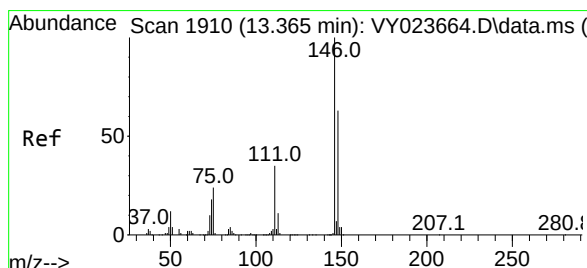
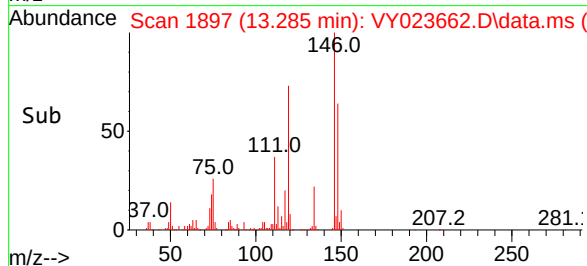
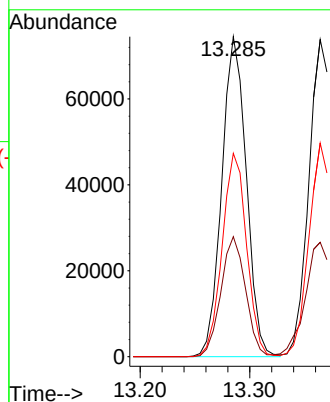
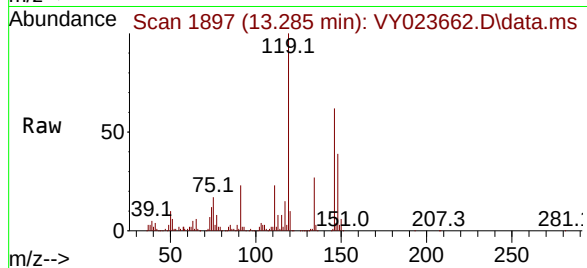
148 63.3 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 10.046 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

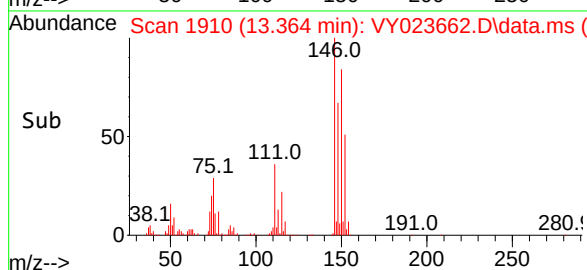
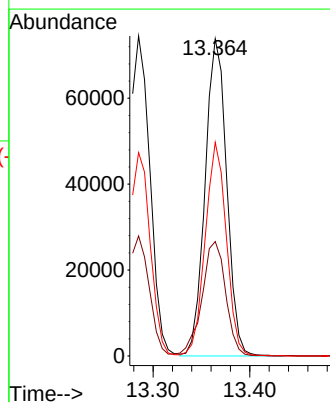
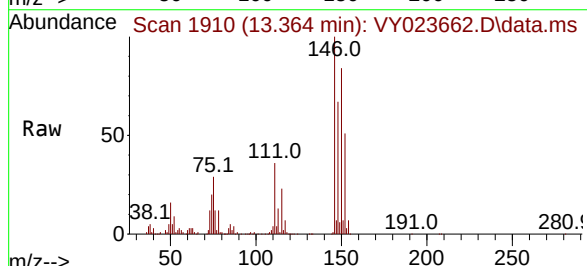
Tgt Ion:146 Resp: 114652

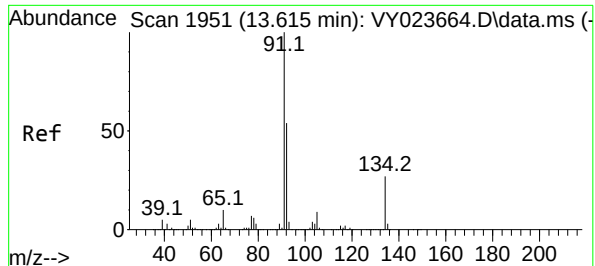
Ion Ratio Lower Upper

146 100

111 39.8 18.3 54.8

148 66.0 31.8 95.3





#89

n-Butylbenzene

Concen: 9.290 ug/l

RT: 13.614 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 166099

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.4

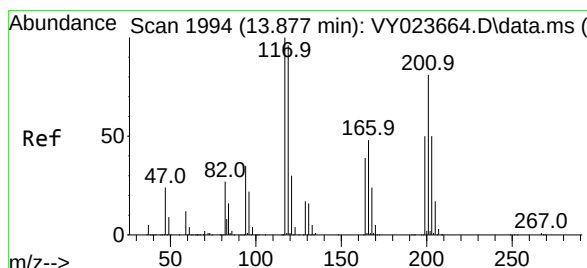
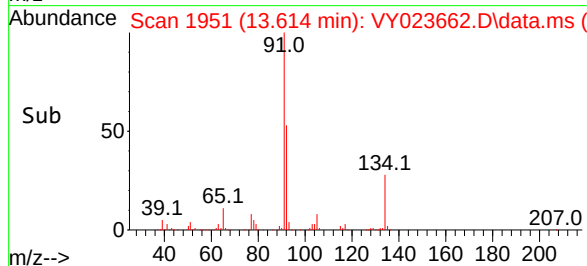
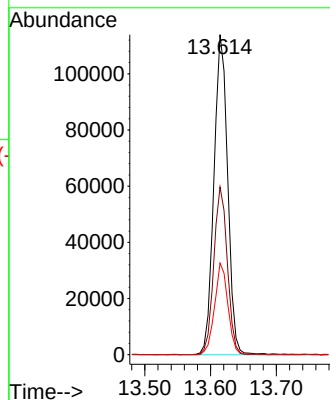
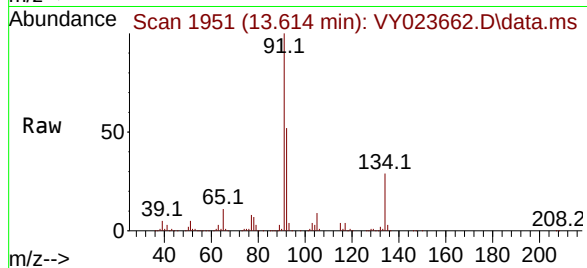
134 27.6 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 10.101 ug/l

RT: 13.876 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023662.D

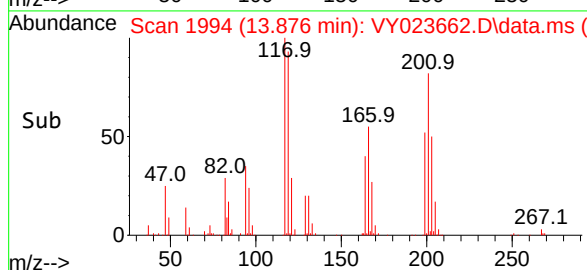
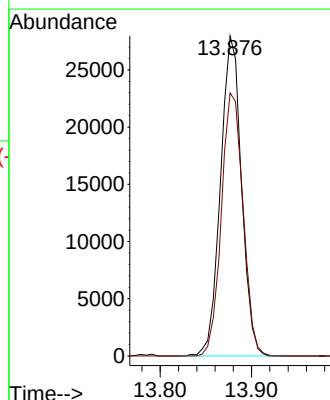
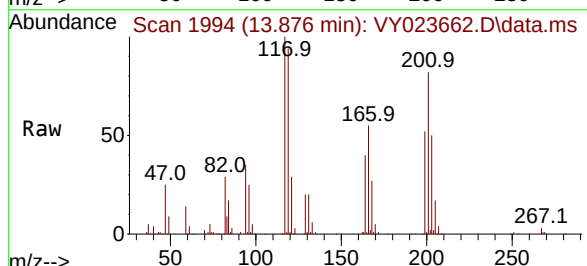
Acq: 04 Nov 2025 09:42

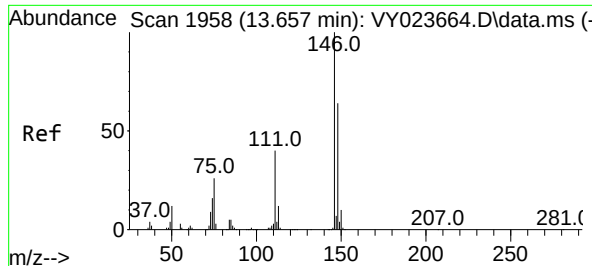
Tgt Ion:117 Resp: 44630

Ion Ratio Lower Upper

117 100

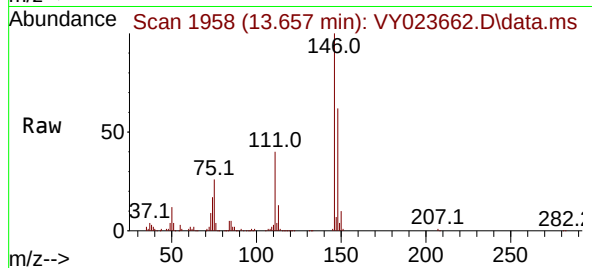
201 84.7 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 9.974 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

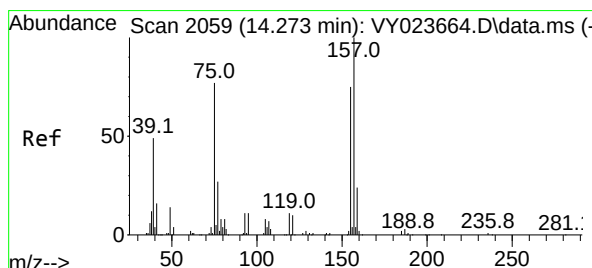
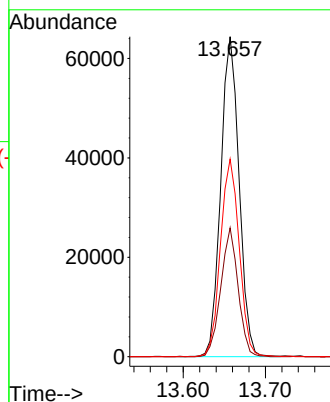
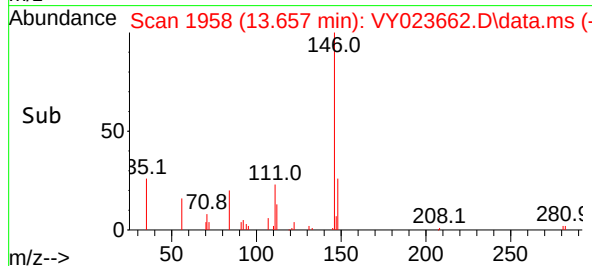
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:146 Resp: 99858
Ion Ratio Lower Upper
146 100
111 38.1 19.5 58.5
148 63.3 31.9 95.9

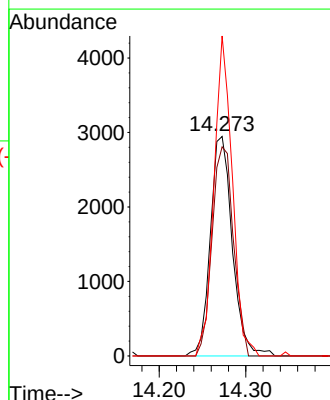
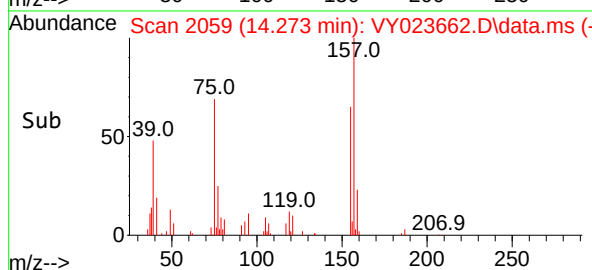
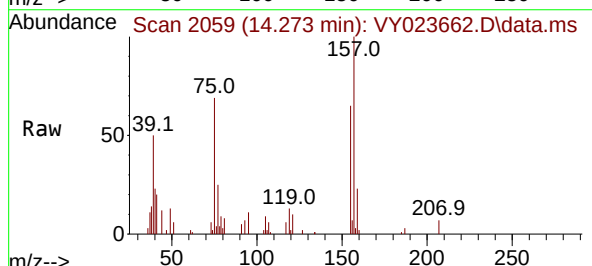
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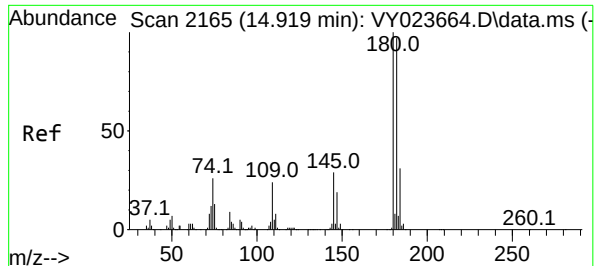
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.296 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

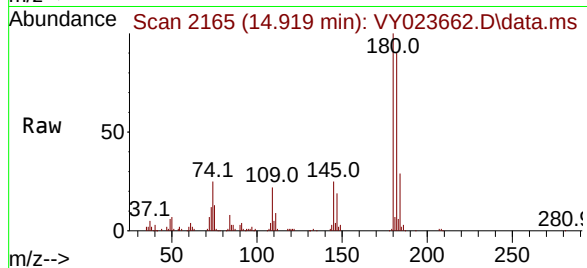
Tgt Ion: 75 Resp: 5202
Ion Ratio Lower Upper
75 100
155 92.8 49.4 148.2
157 121.2 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 8.872 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

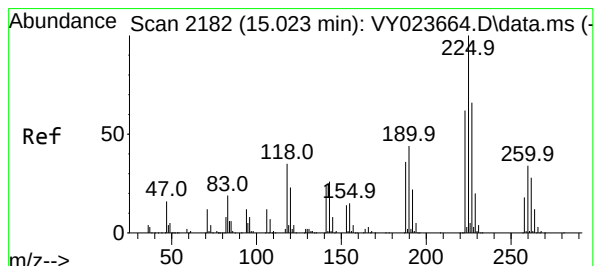
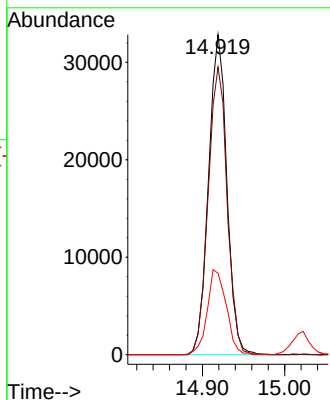
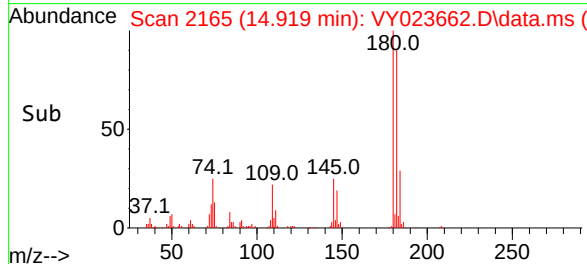
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:180 Resp: 50808
Ion Ratio Lower Upper
180 100
182 93.1 47.5 142.6
145 27.6 14.4 43.4

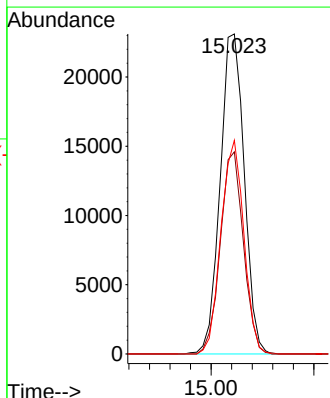
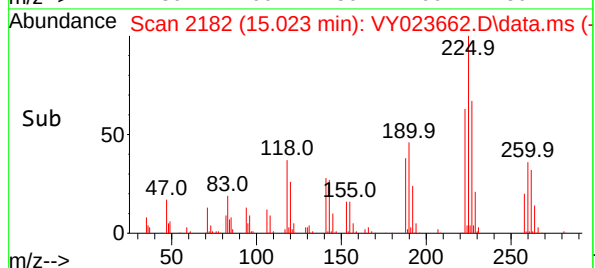
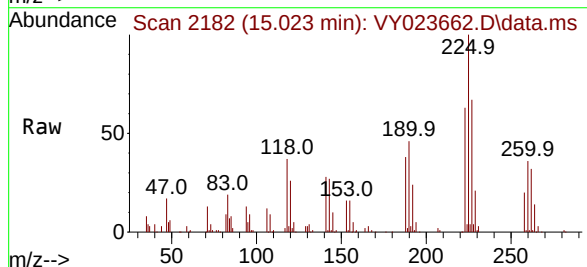
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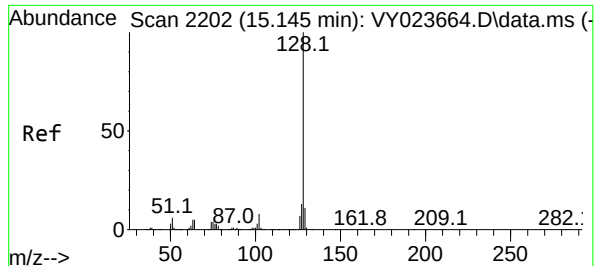
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#94
Hexachlorobutadiene
Concen: 9.999 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

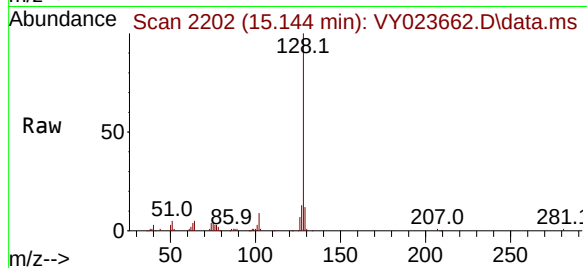
Tgt Ion:225 Resp: 37521
Ion Ratio Lower Upper
225 100
223 60.7 30.8 92.3
227 63.5 32.0 96.2





#95
Naphthalene
Concen: 11.029 ug/l
RT: 15.144 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

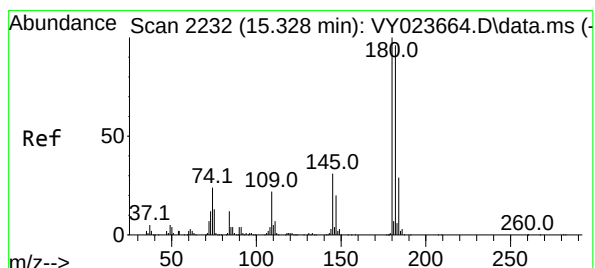
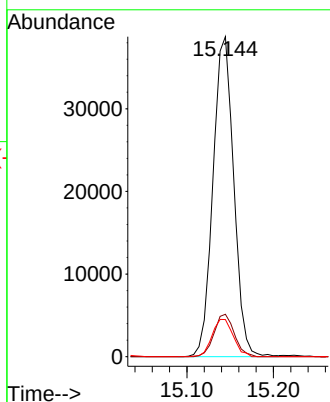
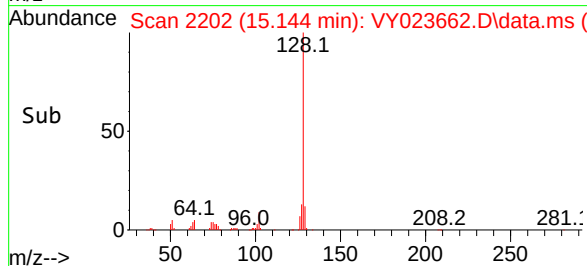
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



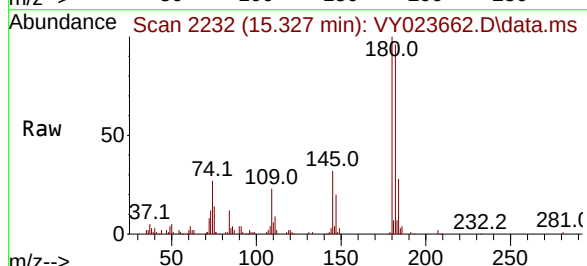
Tgt Ion:128 Resp: 64530
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.9 8.8 13.2

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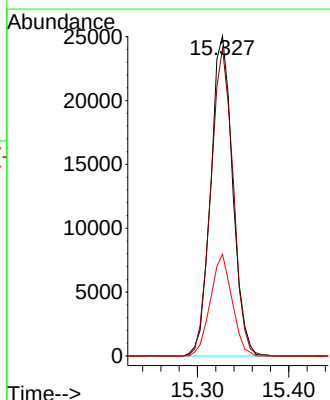
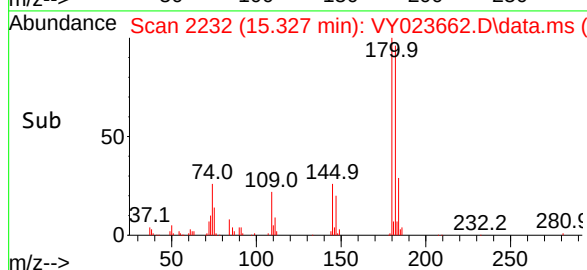
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.697 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion:180 Resp: 41611
Ion Ratio Lower Upper
180 100
182 97.6 47.5 142.6
145 31.4 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	545914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	804973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	707291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	367397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93111	19.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.000%#		
35) Dibromofluoromethane	7.634	113	100472	19.972	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.940%#		
50) Toluene-d8	10.109	98	371763	19.839	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.402	95	121943	20.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81455	22.731	ug/l	100
3) Chloromethane	2.074	50	106778	21.293	ug/l	100
4) Vinyl Chloride	2.208	62	138125	21.168	ug/l	98
5) Bromomethane	2.592	94	115694	21.078	ug/l	98
6) Chloroethane	2.739	64	94359	20.922	ug/l	98
7) Trichlorofluoromethane	3.056	101	193612	21.067	ug/l	96
8) Diethyl Ether	3.452	74	50730	20.585	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	102772	20.297	ug/l	99
10) Methyl Iodide	4.007	142	121925	20.392	ug/l	100
11) Tert butyl alcohol	4.854	59	29518	98.306	ug/l	99
12) 1,1-Dichloroethene	3.787	96	100782	20.662	ug/l	98
13) Acrolein	3.653	56	42967	111.331	ug/l	99
14) Allyl chloride	4.385	41	119977	20.209	ug/l	100
15) Acrylonitrile	5.061	53	97947	103.998	ug/l	100
16) Acetone	3.873	43	125071	108.051	ug/l	96
17) Carbon Disulfide	4.104	76	310907	20.768	ug/l	100
18) Methyl Acetate	4.385	43	63810	24.993	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	231292	20.450	ug/l	97
20) Methylene Chloride	4.616	84	112357	20.107	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	113402	20.620	ug/l	98
22) Diisopropyl ether	6.019	45	275900	20.856	ug/l	95
23) Vinyl Acetate	5.964	43	688746	97.564	ug/l	99
24) 1,1-Dichloroethane	5.915	63	179473	20.365	ug/l	99
25) 2-Butanone	6.896	43	141827	105.975	ug/l	97
26) 2,2-Dichloropropane	6.884	77	162022	19.986	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125435	19.971	ug/l	99
28) Bromochloromethane	7.244	49	71844	21.291	ug/l	100
29) Tetrahydrofuran	7.262	42	74415	104.407	ug/l	97
30) Chloroform	7.421	83	200613	20.402	ug/l	98
31) Cyclohexane	7.707	56	151188	19.699	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	179118	20.382	ug/l	99
36) 1,1-Dichloropropene	7.841	75	137450	20.447	ug/l	99
37) Ethyl Acetate	6.988	43	51827	19.916	ug/l	98
38) Carbon Tetrachloride	7.817	117	161201	20.353	ug/l	99
39) Methylcyclohexane	9.109	83	172623	20.098	ug/l	98
40) Benzene	8.079	78	436191	20.586	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	27760m	19.999	ug/l	
42) 1,2-Dichloroethane	8.158	62	110796	20.669	ug/l	100
43) Isopropyl Acetate	8.201	43	98512	20.148	ug/l	99
44) Trichloroethene	8.866	130	124567	20.468	ug/l	96
45) 1,2-Dichloropropane	9.140	63	96481	20.632	ug/l	98
46) Dibromomethane	9.231	93	61391	21.188	ug/l	97
47) Bromodichloromethane	9.426	83	151710	20.767	ug/l	99
48) Methyl methacrylate	9.225	41	46988	20.341	ug/l	98
49) 1,4-Dioxane	9.231	88	11983	404.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	273875	105.327	ug/l	99
52) Toluene	10.170	92	281364	20.799	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	125239	20.261	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152830	20.637	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	80390	20.761	ug/l	96
56) Ethyl methacrylate	10.438	69	83993	19.687	ug/l	98
57) 1,3-Dichloropropane	10.719	76	128976	20.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	192206	98.178	ug/l	100
59) 2-Hexanone	10.762	43	203840	107.451	ug/l	99
60) Dibromochloromethane	10.914	129	110009	20.677	ug/l	98
61) 1,2-Dibromoethane	11.018	107	77174	21.237	ug/l	97
64) Tetrachloroethene	10.646	164	154270	20.955	ug/l	98
65) Chlorobenzene	11.444	112	313776	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	109560	20.122	ug/l	98
67) Ethyl Benzene	11.518	91	505466	20.283	ug/l	98
68) m/p-Xylenes	11.627	106	408699	41.048	ug/l	97
69) o-Xylene	11.956	106	186475	20.260	ug/l	100
70) Styrene	11.969	104	313946	20.674	ug/l	100
71) Bromoform	12.133	173	64954	20.426	ug/l #	98
73) Isopropylbenzene	12.255	105	484626	19.723	ug/l	99
74) N-amyl acetate	12.072	43	76905	18.486	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	76650	19.531	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	60277m	20.272	ug/l	
77) Bromobenzene	12.530	156	124926	19.600	ug/l	97
78) n-propylbenzene	12.597	91	577151	19.968	ug/l	99
79) 2-Chlorotoluene	12.676	91	336249	20.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	401810	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25299	19.229	ug/l	98
82) 4-Chlorotoluene	12.780	91	350104	20.241	ug/l	100
83) tert-Butylbenzene	12.999	119	352929	19.409	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	397002	20.077	ug/l	100
85) sec-Butylbenzene	13.176	105	520106	19.831	ug/l	100
86) p-Isopropyltoluene	13.292	119	441869	19.902	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	251903	20.080	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	244807	19.866	ug/l	99
89) n-Butylbenzene	13.615	91	375842	19.467	ug/l	100
90) Hexachloroethane	13.877	117	92928	19.477	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	218655	20.225	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12260	20.289	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	122756	19.851	ug/l	99
94) Hexachlorobutadiene	15.023	225	79039	19.507	ug/l	99
95) Naphthalene	15.145	128	174378	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102582	19.855	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023663.D
Acq On : 04 Nov 2025 10:19
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:27:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

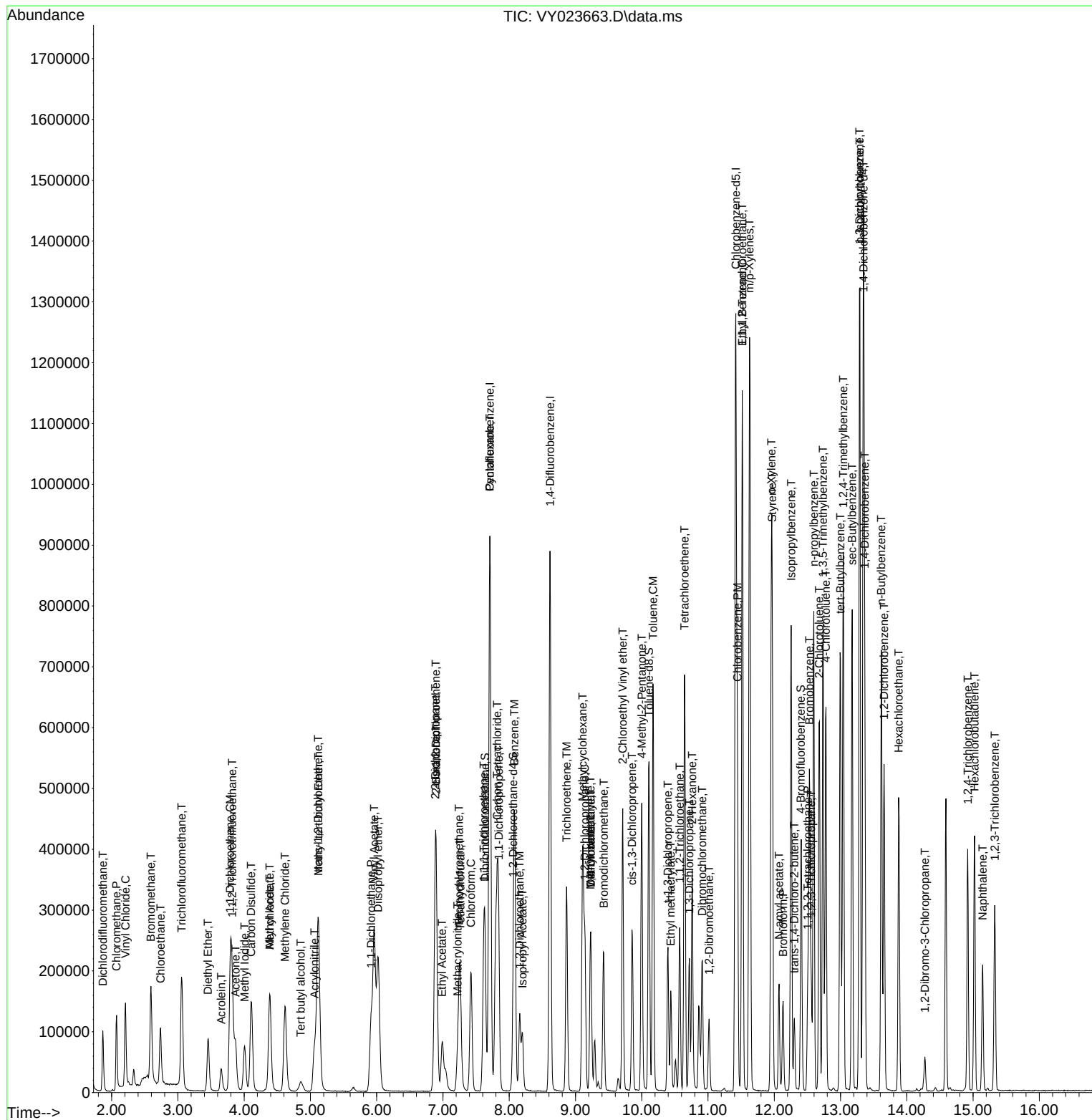
Quant Time: Nov 05 04:27:22 2025

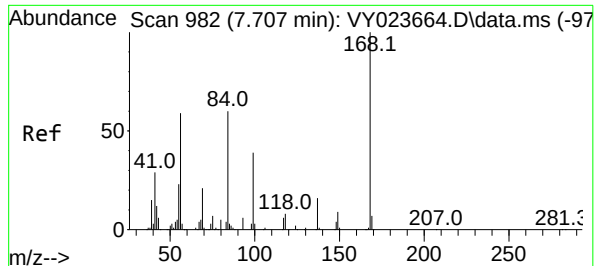
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

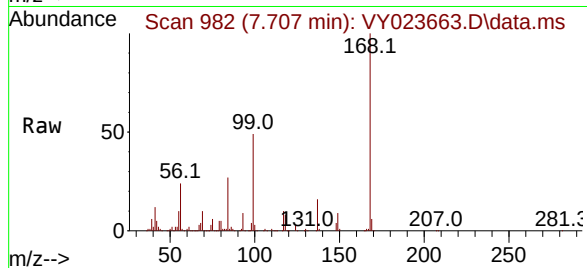
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

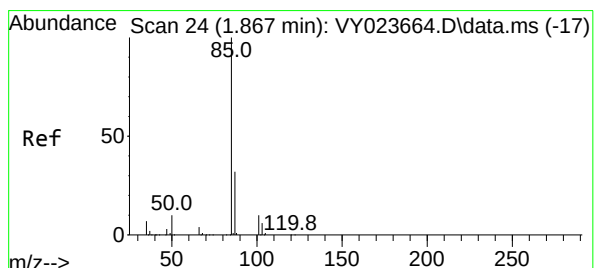
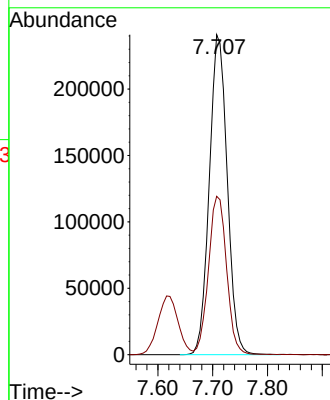
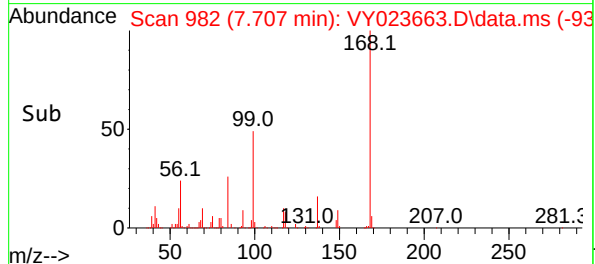
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 545914
Ion Ratio Lower Upper
168 100
99 49.4 41.0 61.4

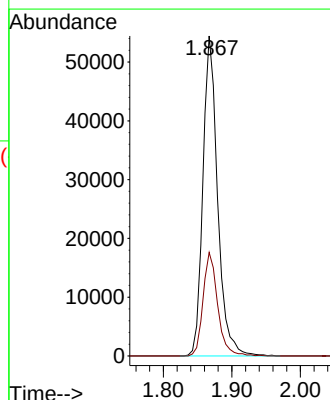
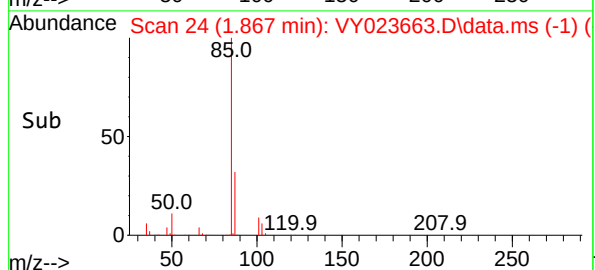
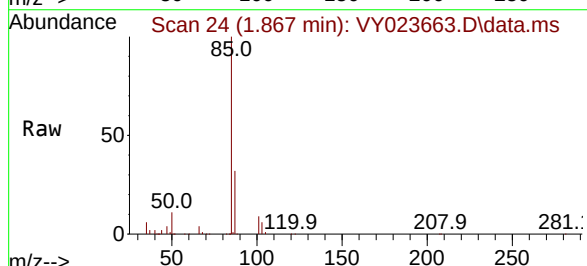
Manual Integrations
APPROVED

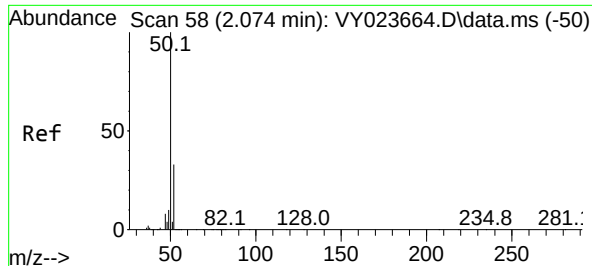
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 22.731 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

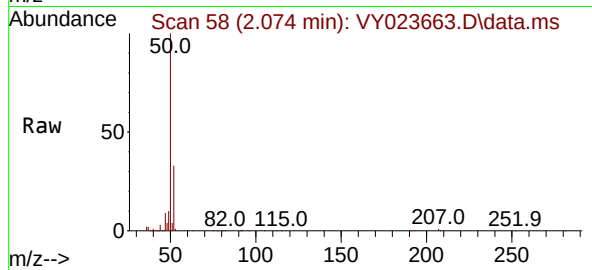
Tgt Ion: 85 Resp: 81455
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.6





#3
Chloromethane
Concen: 21.293 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

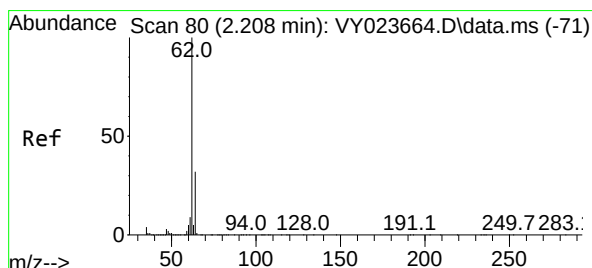
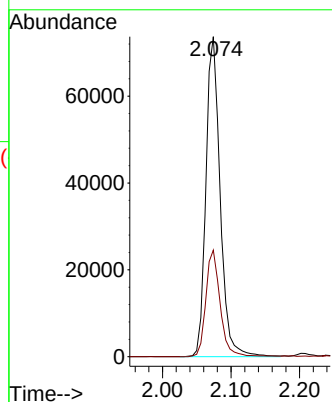
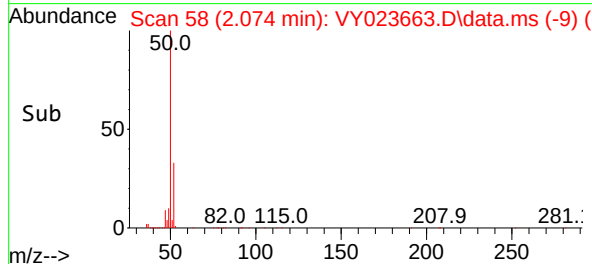
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 106778
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7

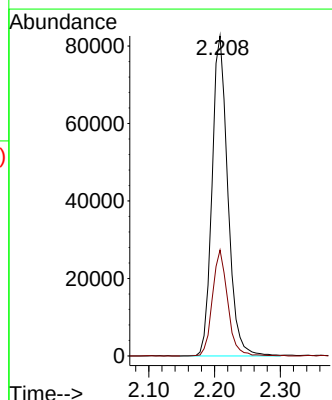
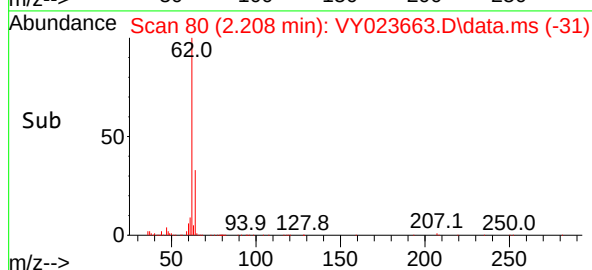
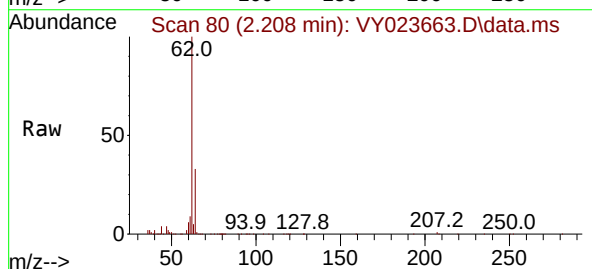
Manual Integrations
APPROVED

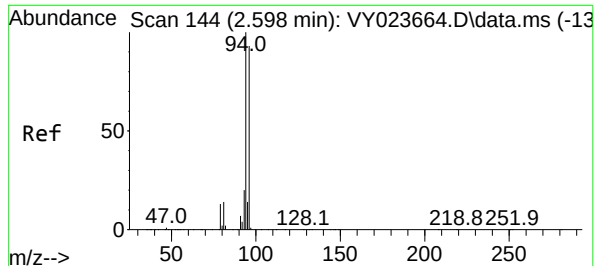
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 21.168 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 62 Resp: 138125
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





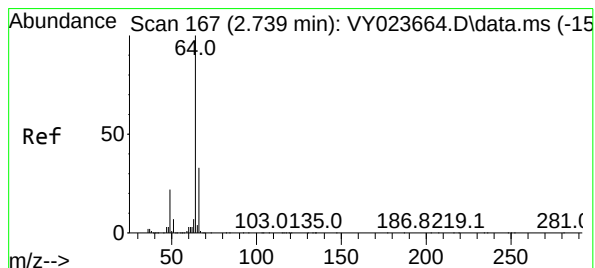
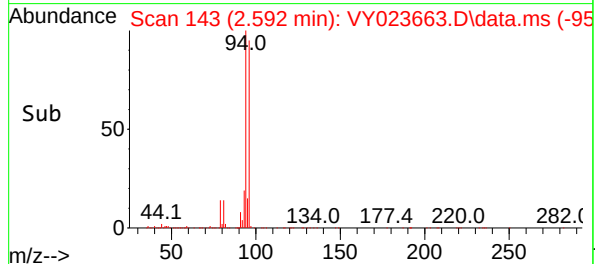
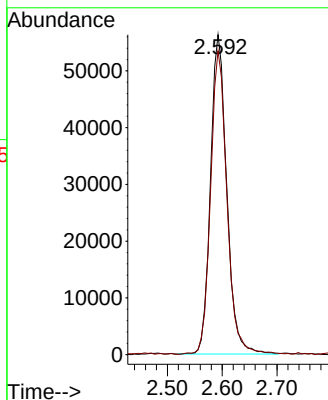
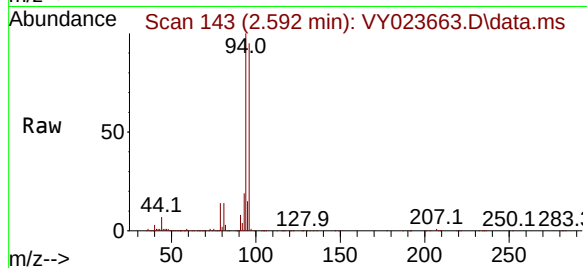
#5
Bromomethane
Concen: 21.078 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 94 Resp: 115694
Ion Ratio Lower Upper
94 100
96 95.1 74.4 111.6

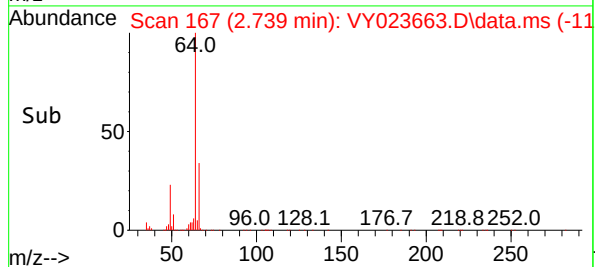
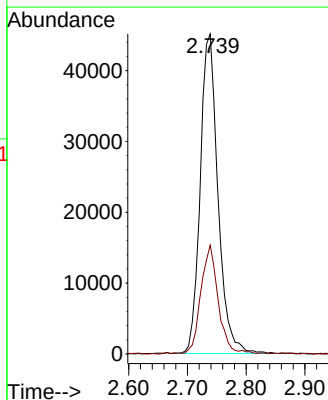
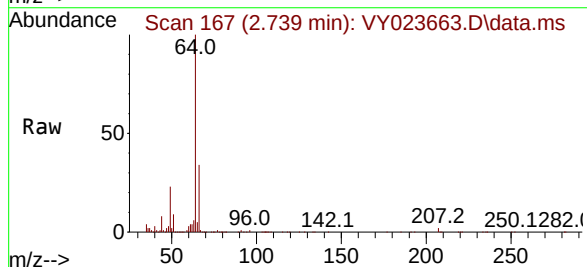
Manual Integrations
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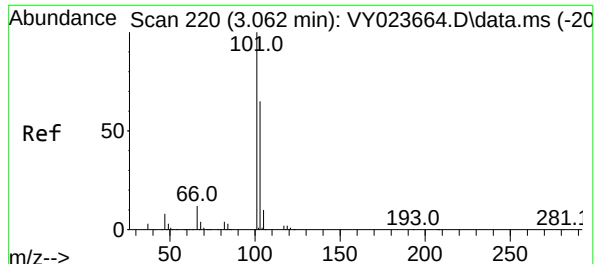
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 20.922 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

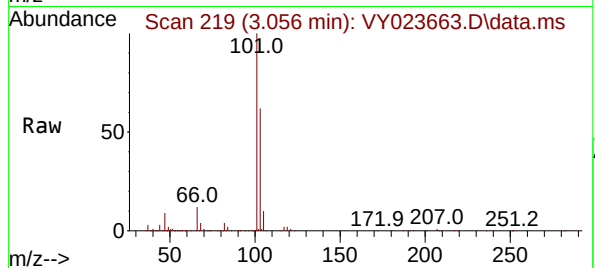
Tgt Ion: 64 Resp: 94359
Ion Ratio Lower Upper
64 100
66 33.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 21.067 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

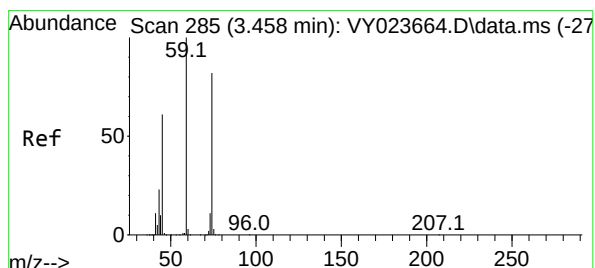
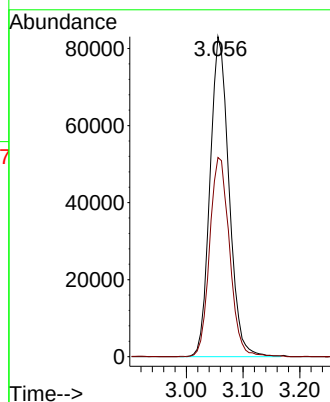
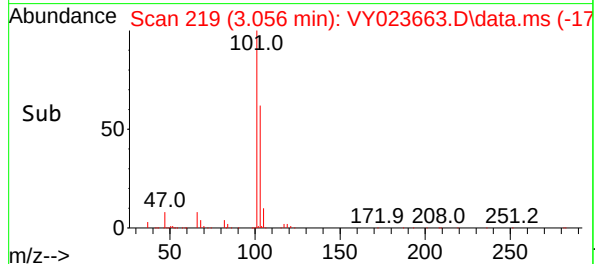
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 193612
Ion Ratio Lower Upper
101 100
103 62.1 52.1 78.1

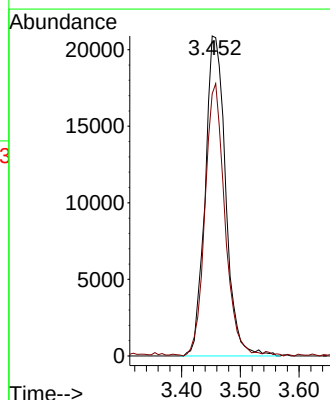
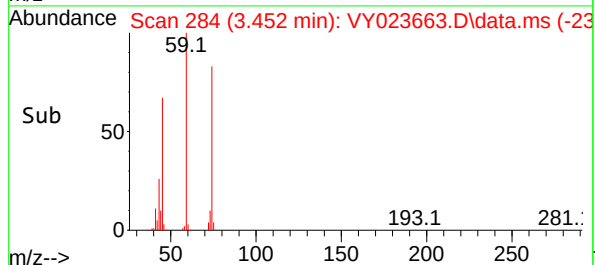
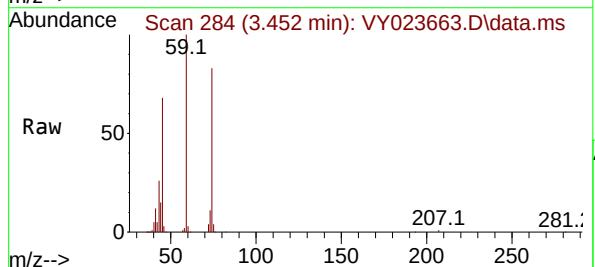
Manual Integrations
APPROVED

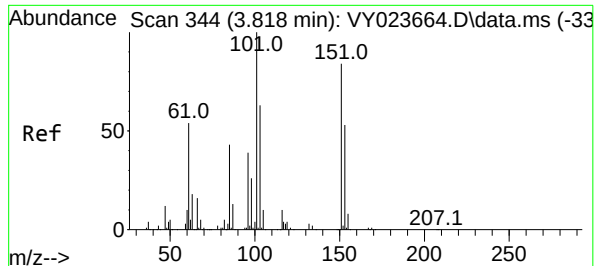
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 20.585 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 74 Resp: 50730
Ion Ratio Lower Upper
74 100
45 82.5 40.6 121.7





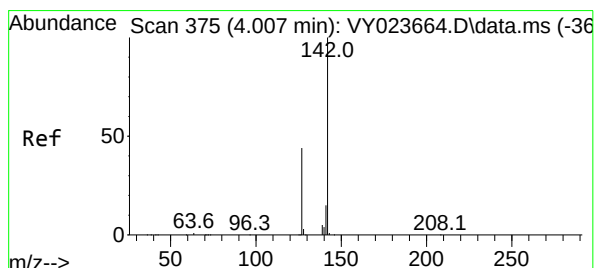
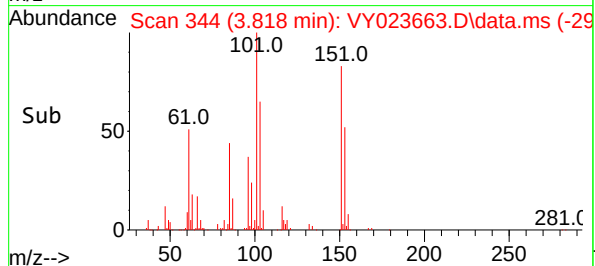
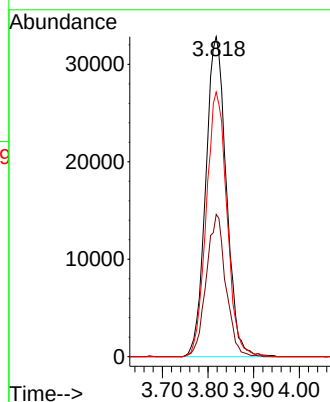
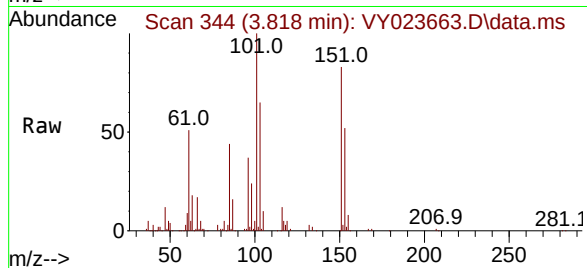
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.297 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 102772
Ion Ratio Lower Upper
101 100
85 42.3 34.4 51.6
151 83.1 65.6 98.4

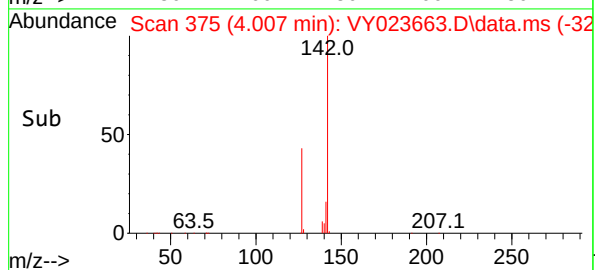
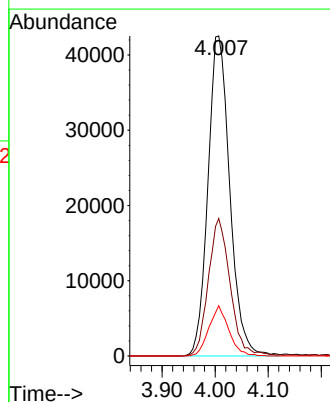
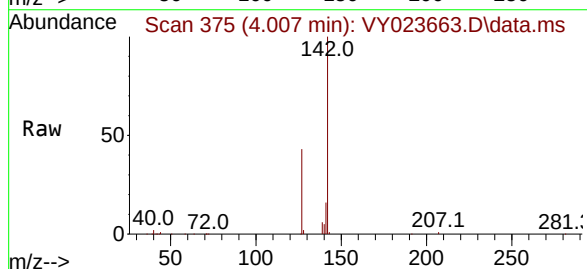
Manual Integrations
APPROVED

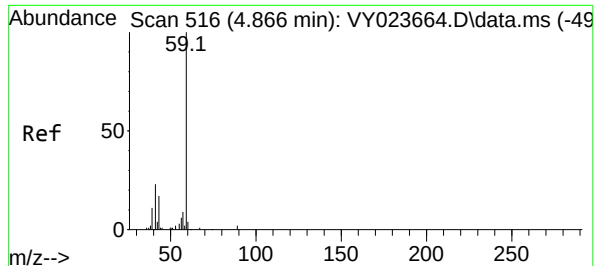
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 20.392 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:142 Resp: 121925
Ion Ratio Lower Upper
142 100
127 42.9 34.6 51.8
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 98.306 ug/l

RT: 4.854 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 29518

Ion Ratio Lower Upper

59 100

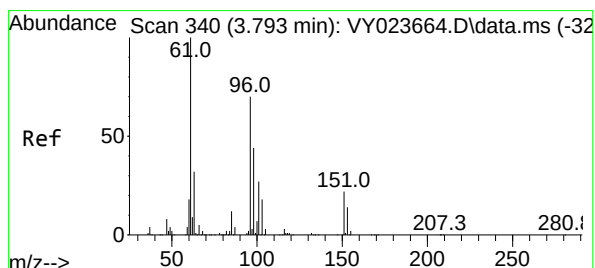
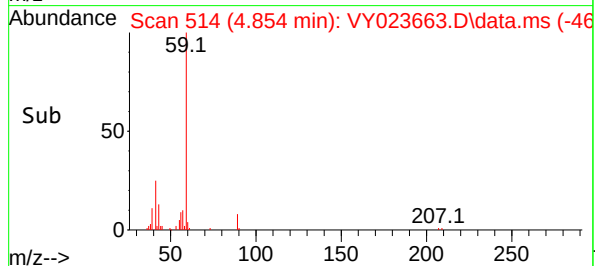
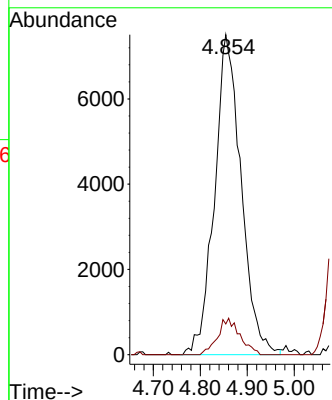
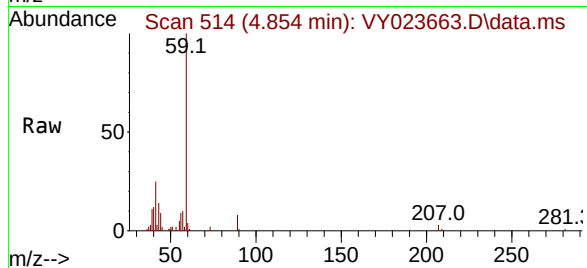
57 9.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 20.662 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

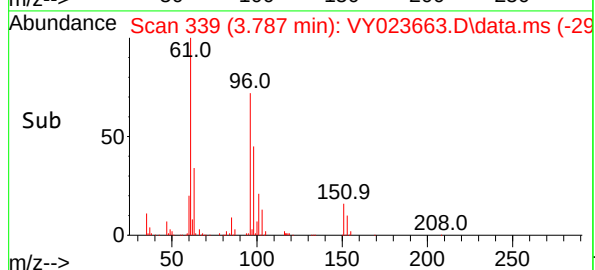
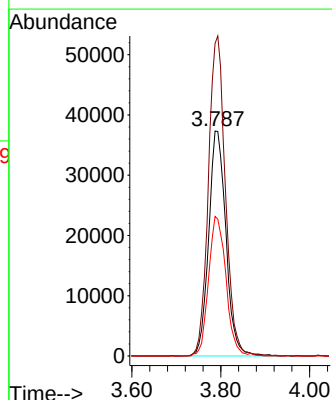
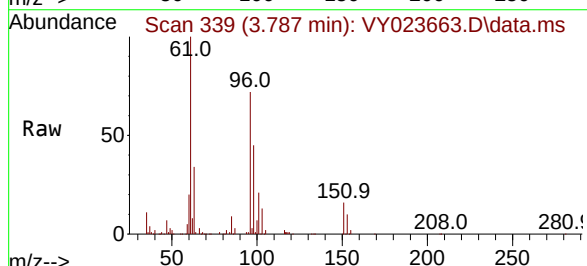
Tgt Ion: 96 Resp: 100782

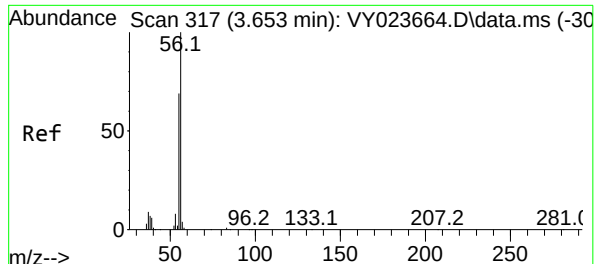
Ion Ratio Lower Upper

96 100

61 138.9 114.0 171.0

98 62.0 50.2 75.2





#13

Acrolein

Concen: 111.331 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4296

Ion Ratio Lower Upper

56 100

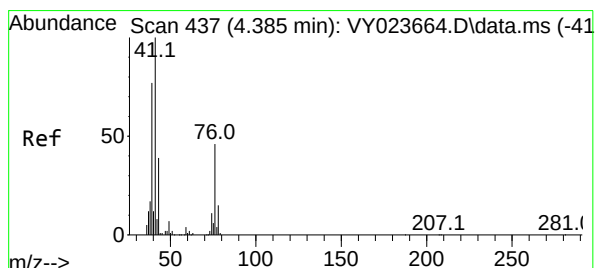
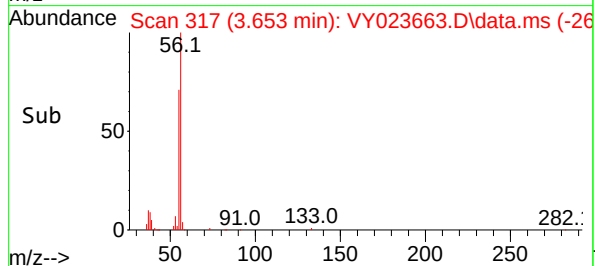
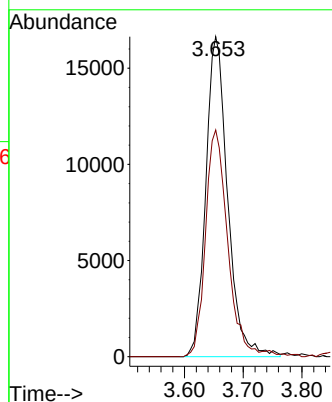
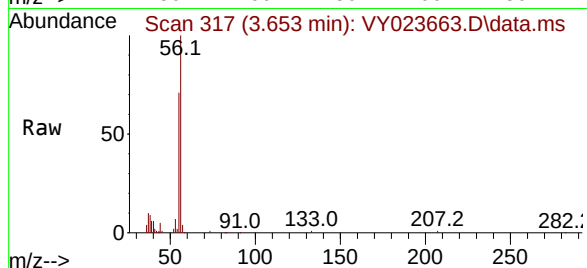
55 71.5 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 20.209 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

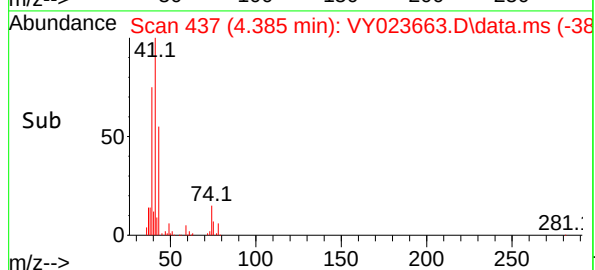
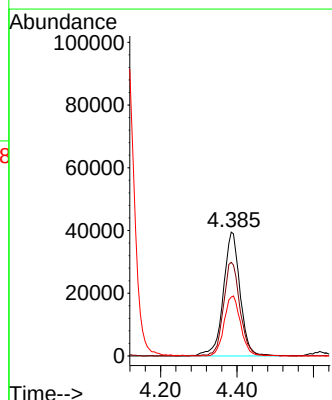
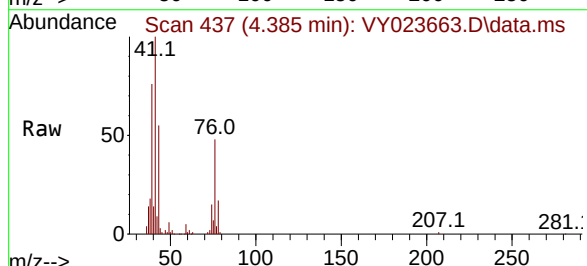
Tgt Ion: 41 Resp: 119977

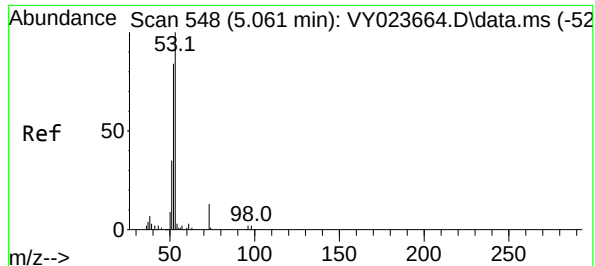
Ion Ratio Lower Upper

41 100

39 75.1 60.4 90.6

76 47.6 38.0 57.0





#15

Acrylonitrile

Concen: 103.998 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

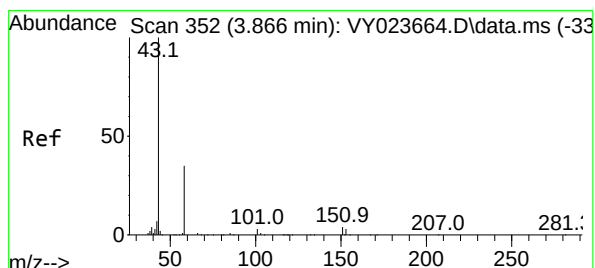
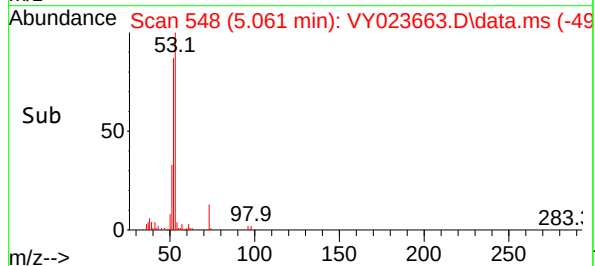
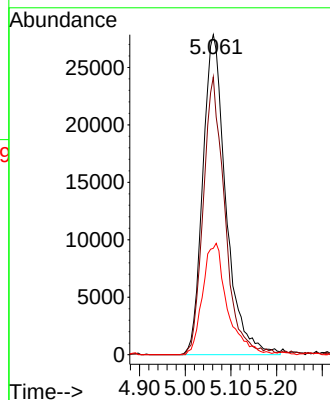
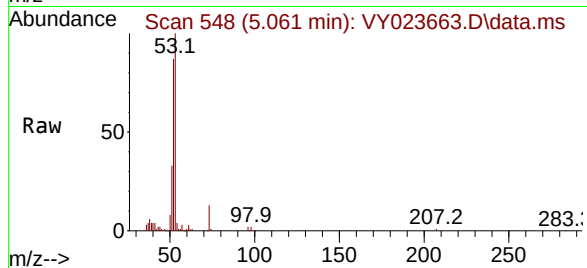
Tgt Ion:	53	Resp:	9794
Ion	Ratio	Lower	Upper
53	100		
52	81.0	64.9	97.3
51	36.9	29.4	44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 108.051 ug/l

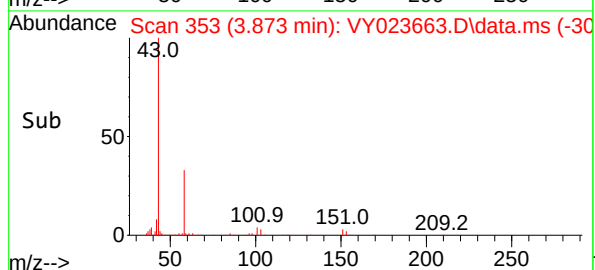
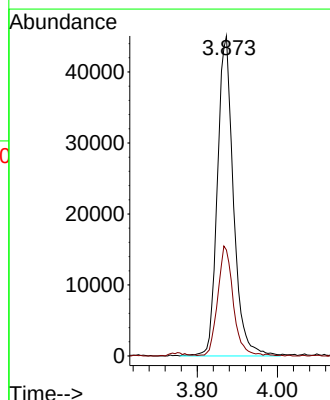
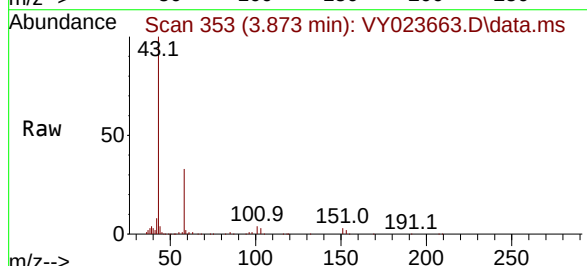
RT: 3.873 min Scan# 353

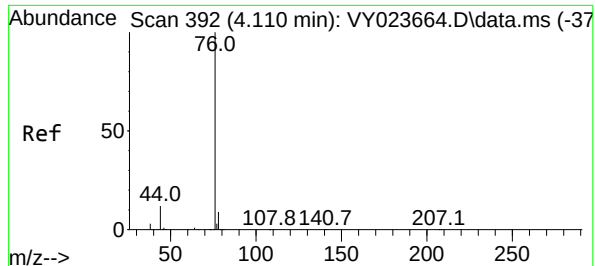
Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

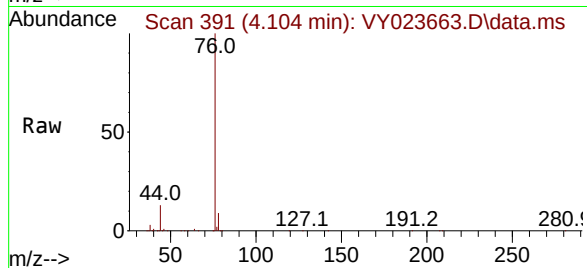
Tgt Ion:	43	Resp:	125071
Ion	Ratio	Lower	Upper
43	100		
58	32.9	28.2	42.4





#17
Carbon Disulfide
Concen: 20.768 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

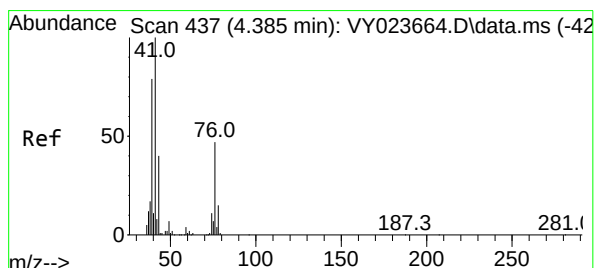
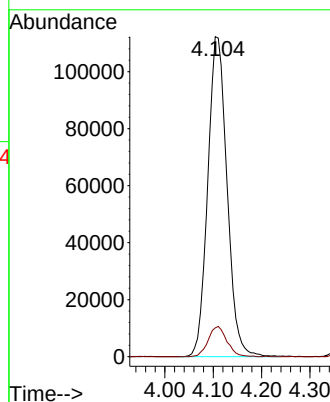
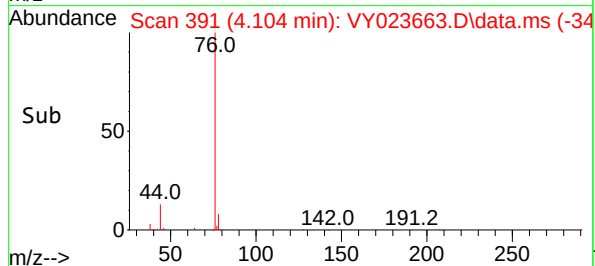
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 76 Resp: 31090
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

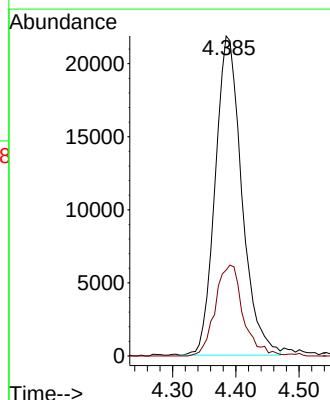
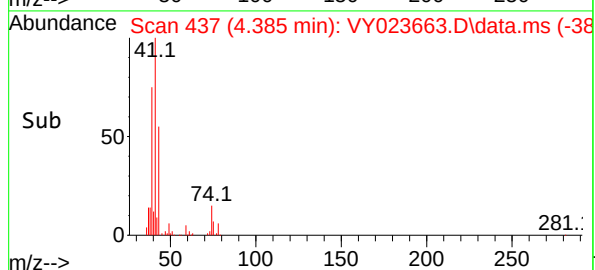
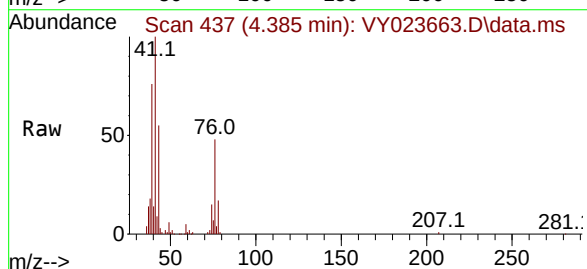
Manual Integrations
APPROVED

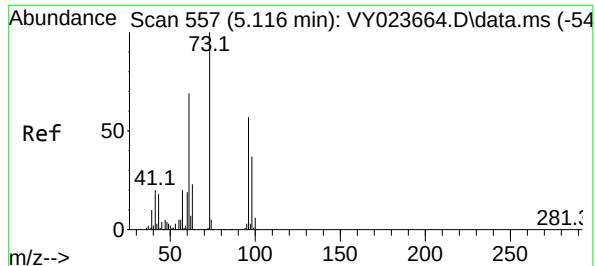
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 24.993 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 43 Resp: 63810
Ion Ratio Lower Upper
43 100
74 29.8 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 20.450 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 23129

Ion Ratio Lower Upper

73 100

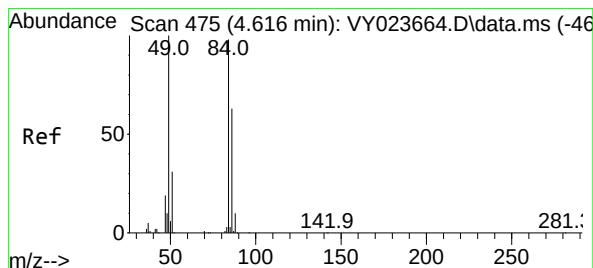
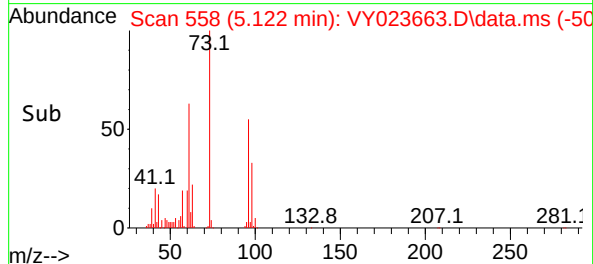
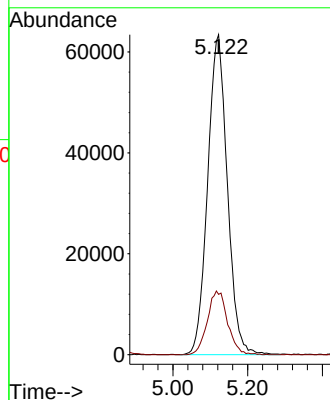
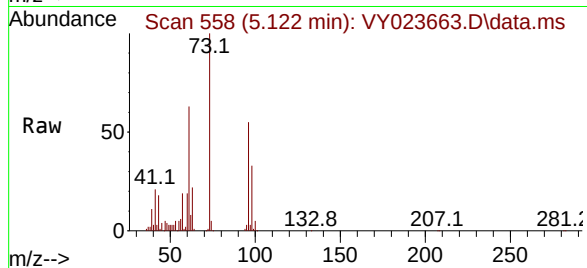
57 18.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 20.107 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 84 Resp: 112357

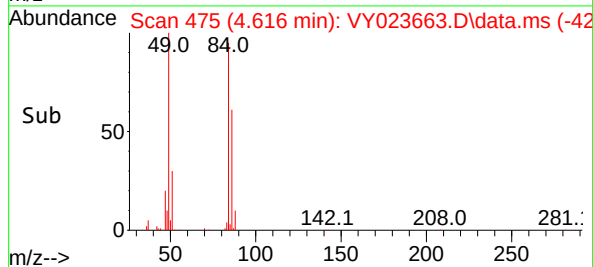
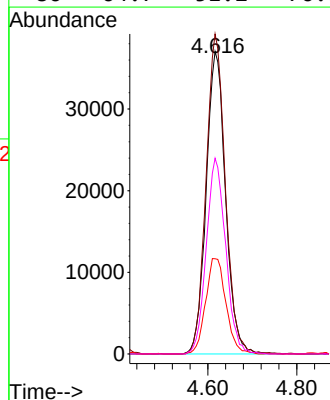
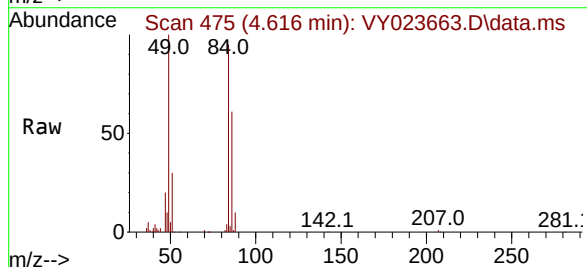
Ion Ratio Lower Upper

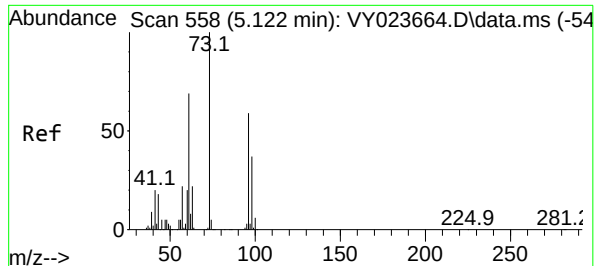
84 100

49 105.8 81.5 122.3

51 31.4 25.5 38.3

86 64.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.620 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 11340

Ion Ratio Lower Upper

96 100

61 119.1 93.3 139.9

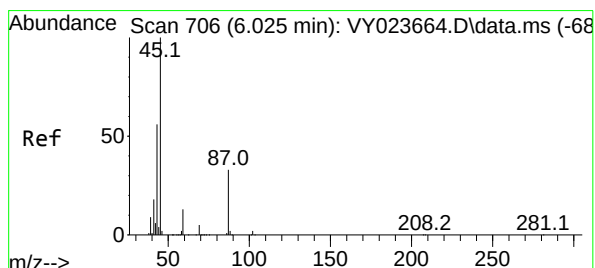
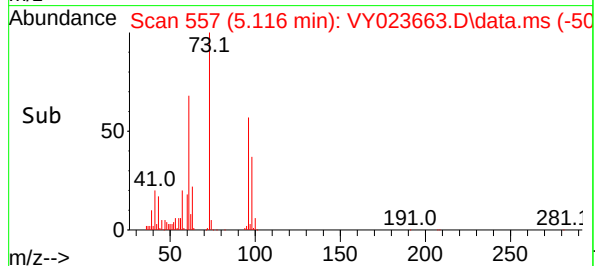
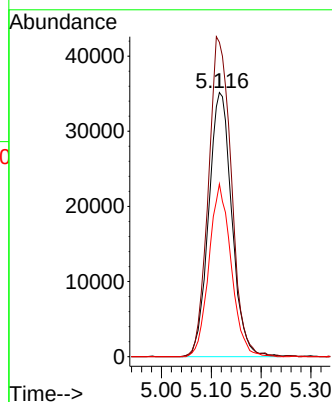
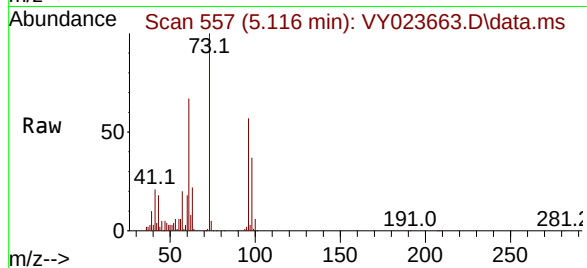
98 65.4 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 20.856 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 45 Resp: 275900

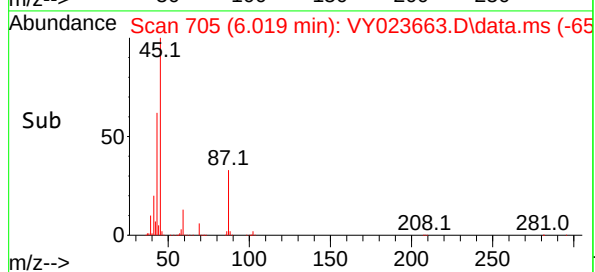
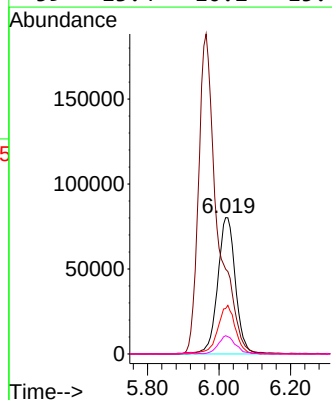
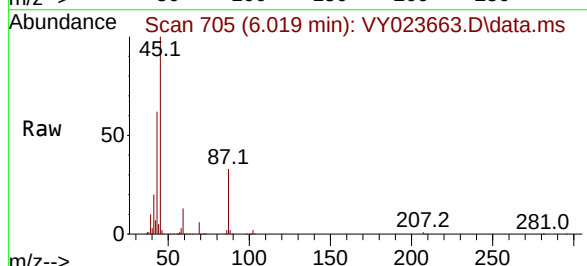
Ion Ratio Lower Upper

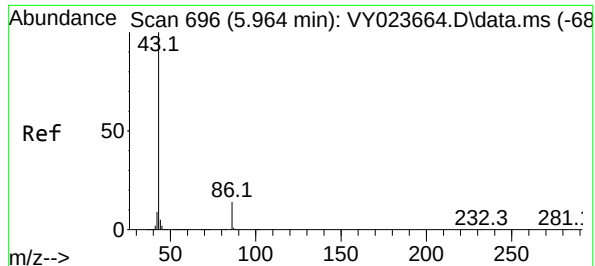
45 100

43 62.1 44.7 67.1

87 33.3 27.2 40.8

59 13.4 10.2 15.4





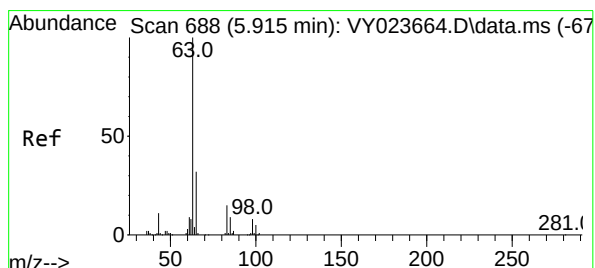
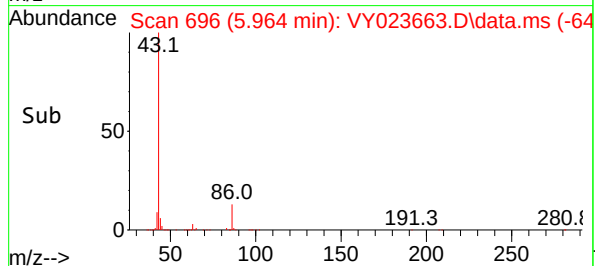
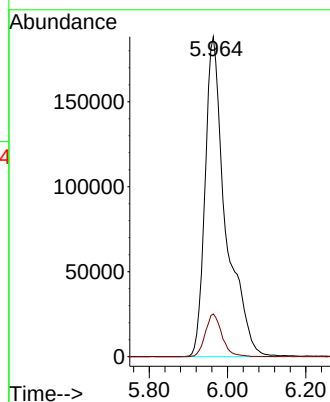
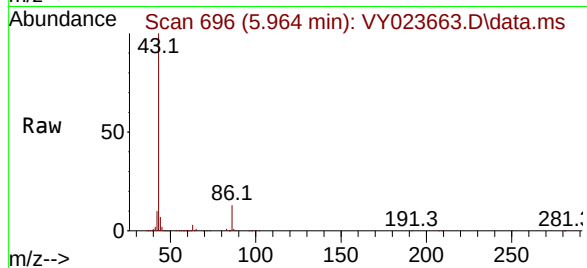
#23
Vinyl Acetate
Concen: 97.564 ug/l
RT: 5.964 min Scan# 696
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 688740
Ion Ratio Lower Upper
43 100
86 13.4 10.9 16.3

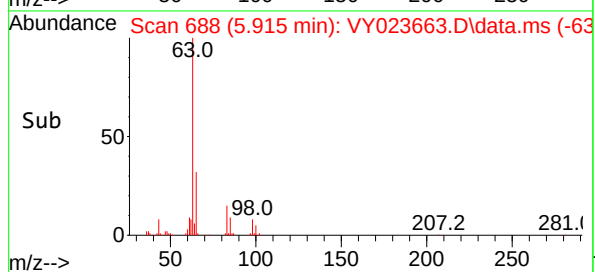
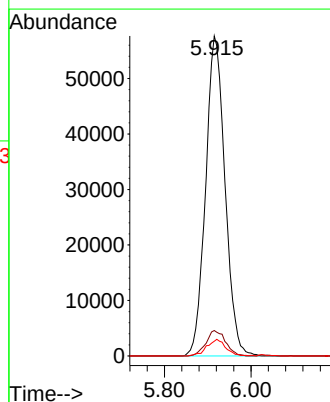
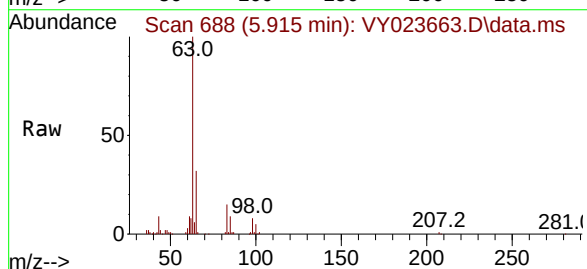
Manual Integrations
APPROVED

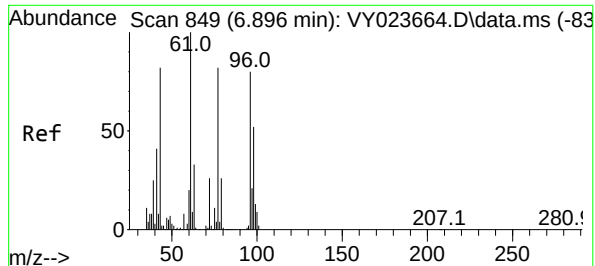
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#24
1,1-Dichloroethane
Concen: 20.365 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 63 Resp: 179473
Ion Ratio Lower Upper
63 100
98 8.0 4.0 11.9
100 4.6 2.6 7.8





#25

2-Butanone

Concen: 105.975 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 14182

Ion Ratio Lower Upper

43 100

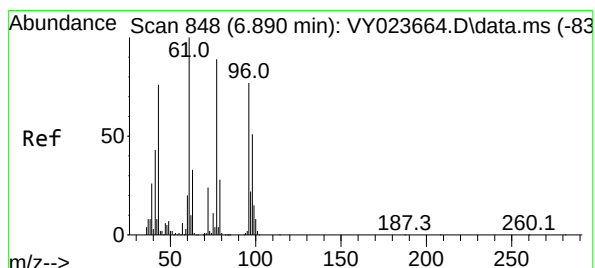
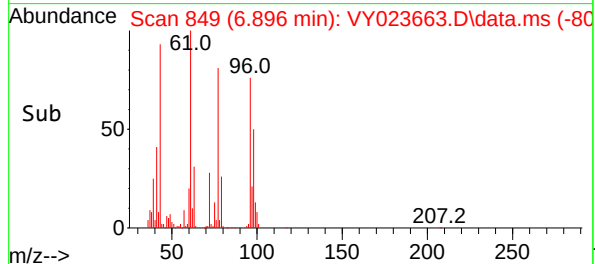
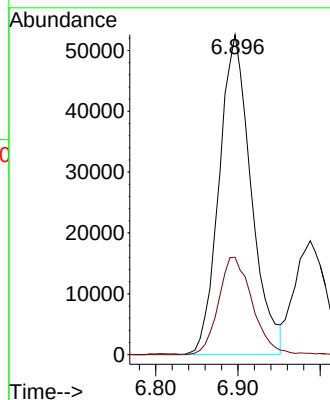
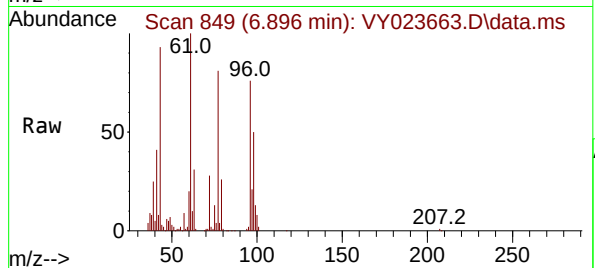
72 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 19.986 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023663.D

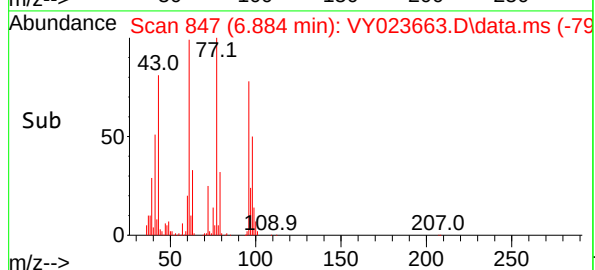
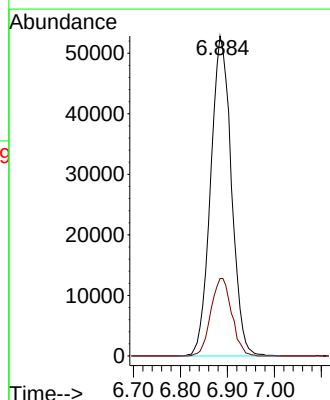
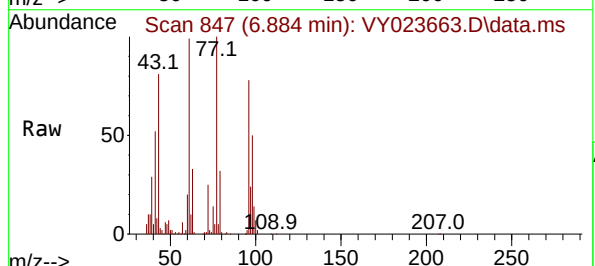
Acq: 04 Nov 2025 10:19

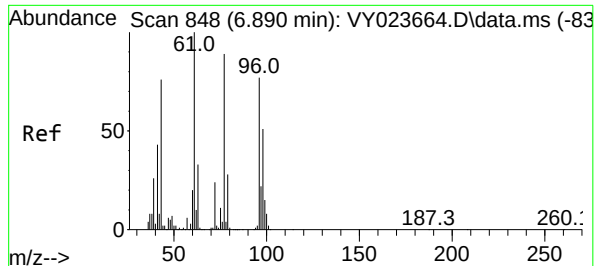
Tgt Ion: 77 Resp: 162022

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 19.971 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 12543

Ion Ratio Lower Upper

96 100

61 129.3 0.0 255.0

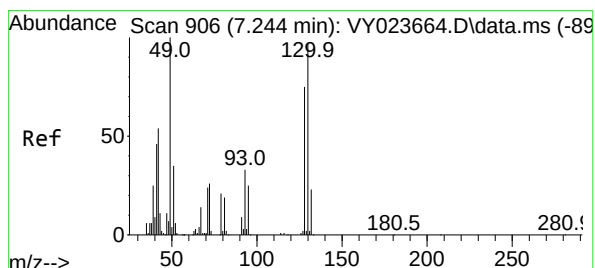
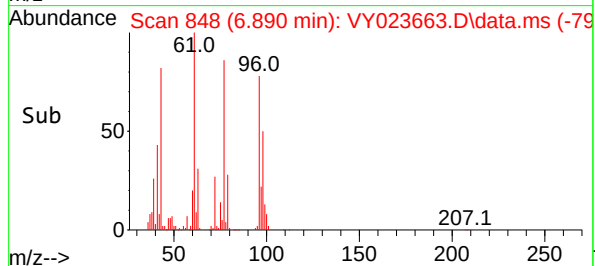
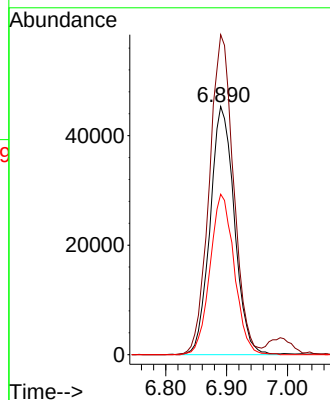
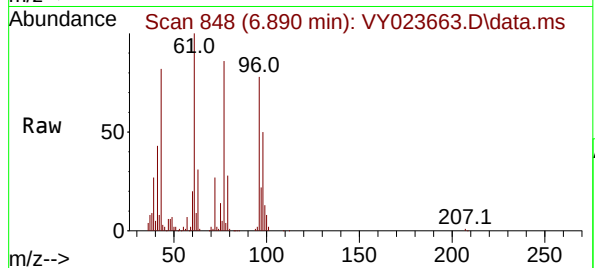
98 64.6 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 21.291 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

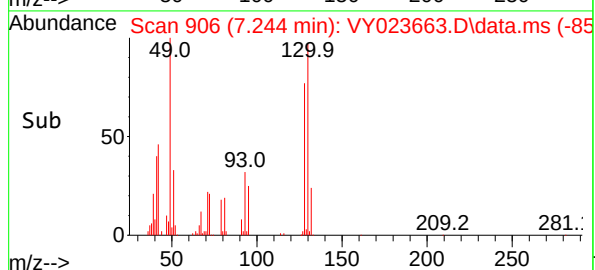
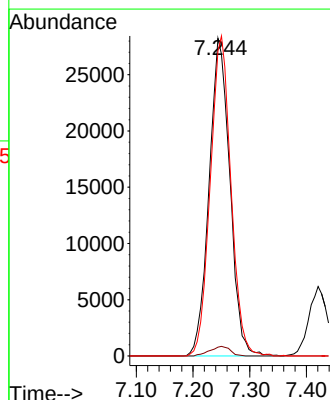
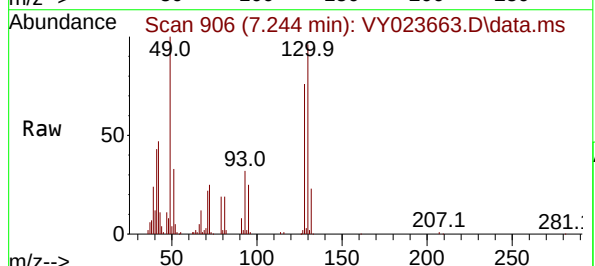
Tgt Ion: 49 Resp: 71844

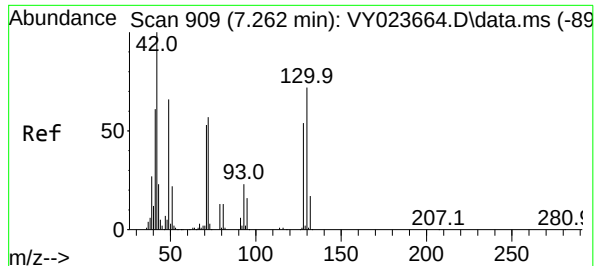
Ion Ratio Lower Upper

49 100

129 2.9 0.0 5.0

130 99.9 80.1 120.1





#29

Tetrahydrofuran

Concen: 104.407 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

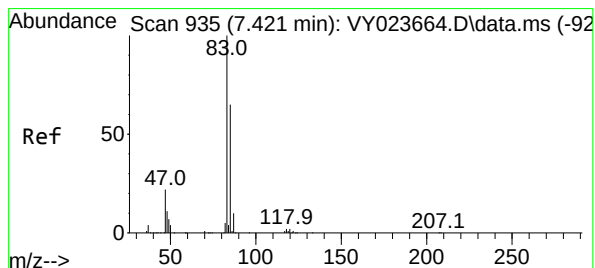
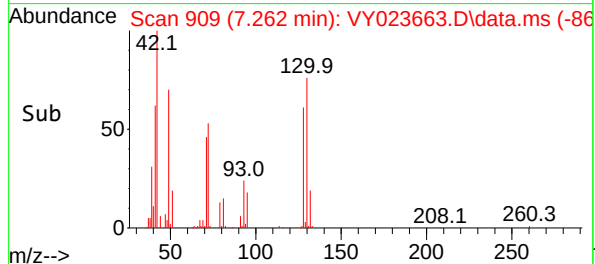
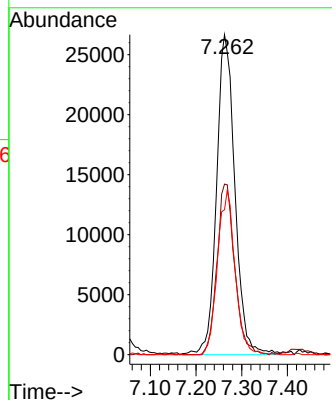
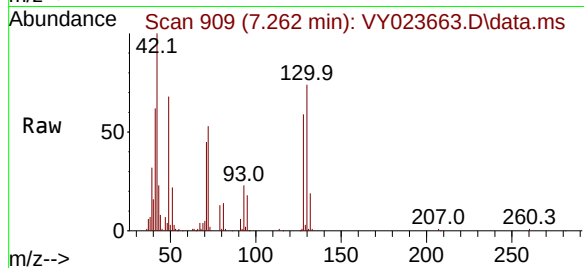
Tgt Ion:	42	Resp:	7441
Ion	Ratio	Lower	Upper
42	100		
72	51.4	43.4	65.2
71	49.3	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 20.402 ug/l

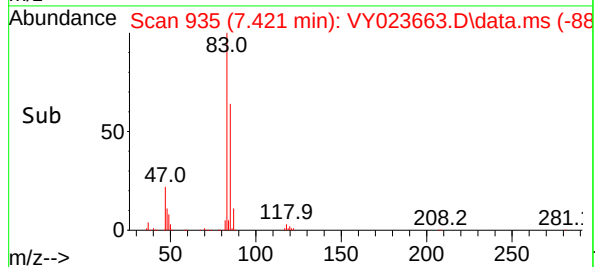
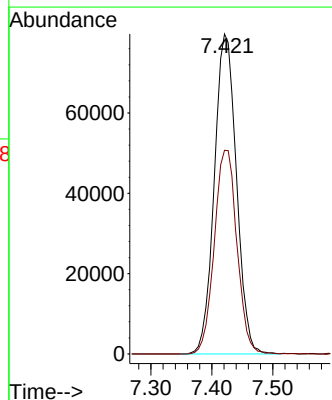
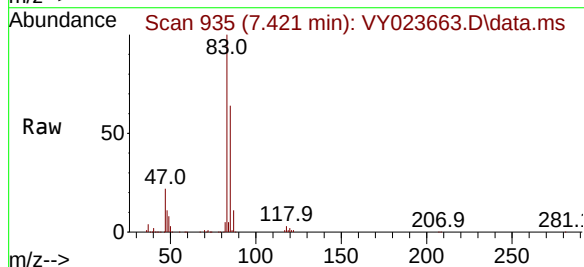
RT: 7.421 min Scan# 935

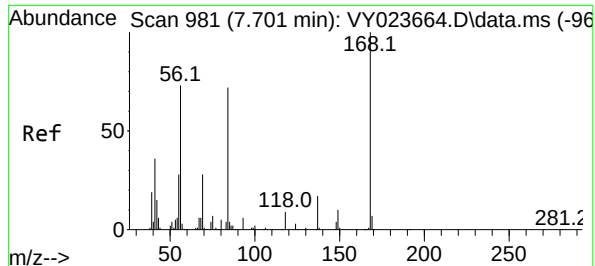
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	83	Resp:	200613
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1





#31

Cyclohexane

Concen: 19.699 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 15118

Ion Ratio Lower Upper

56 100

69 41.5 30.5 45.7

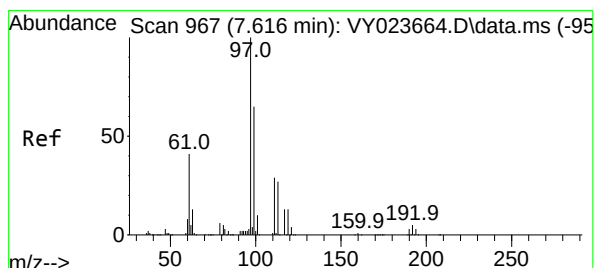
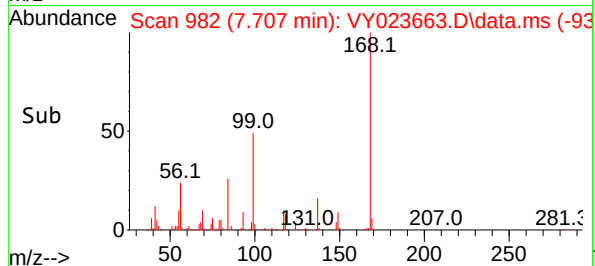
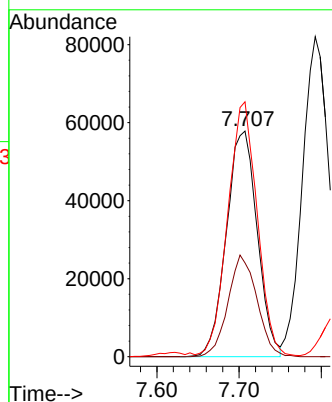
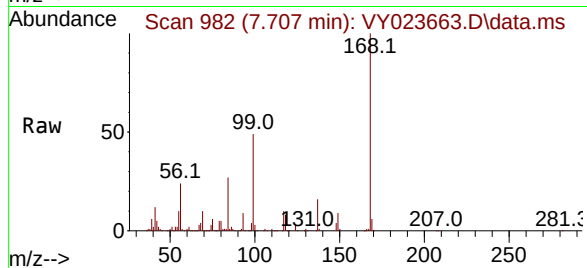
84 111.4 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 20.382 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

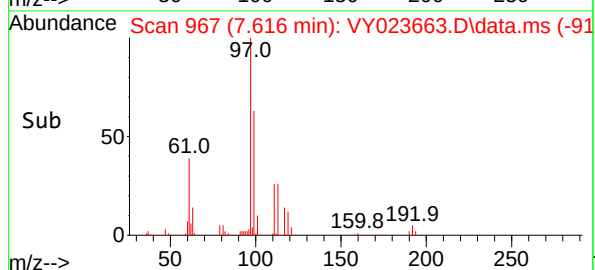
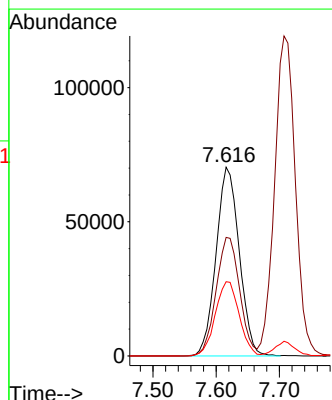
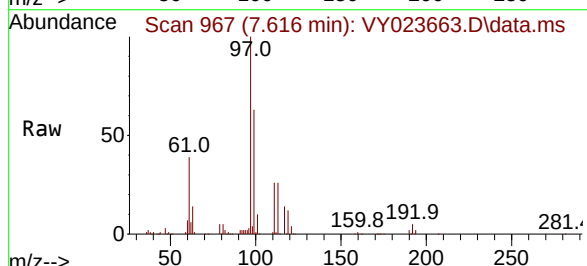
Tgt Ion: 97 Resp: 179118

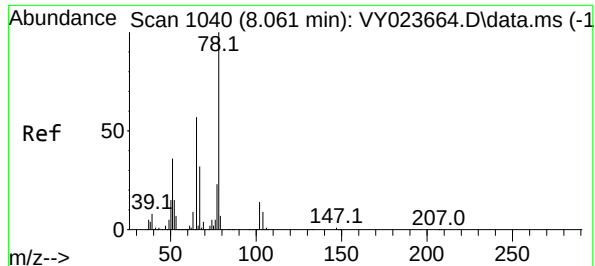
Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 40.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 19.995 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 9311

Ion Ratio Lower Upper

65 100

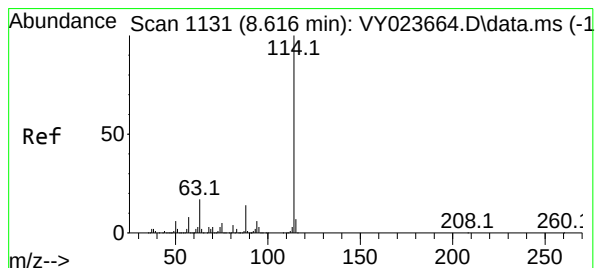
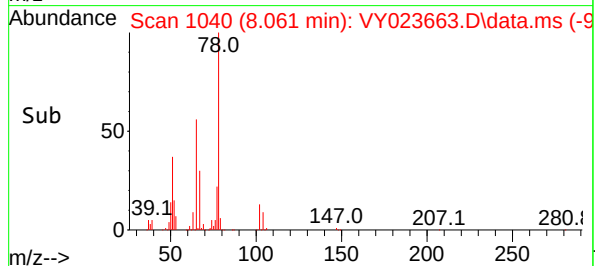
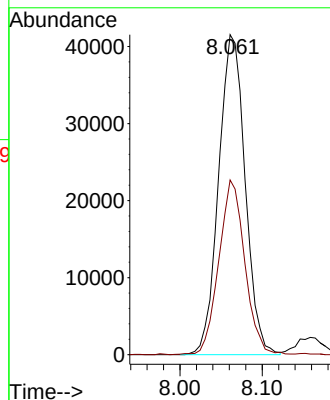
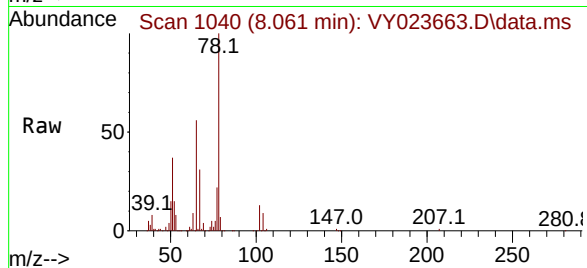
67 53.6 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

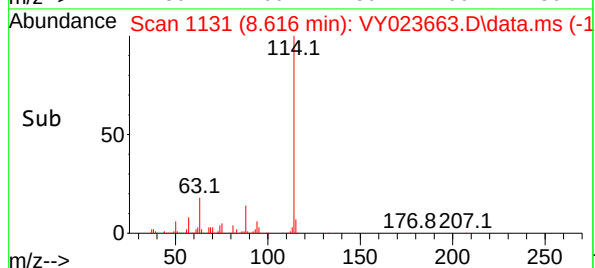
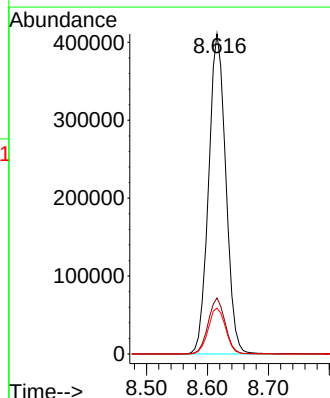
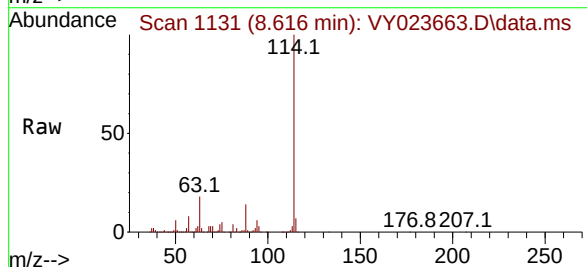
Tgt Ion:114 Resp: 804973

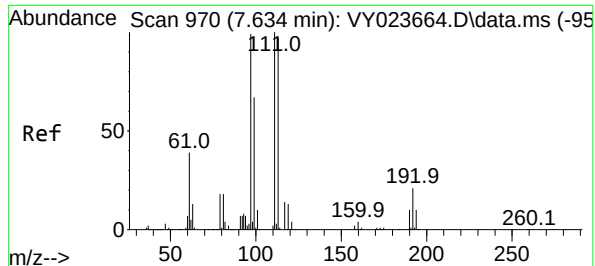
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

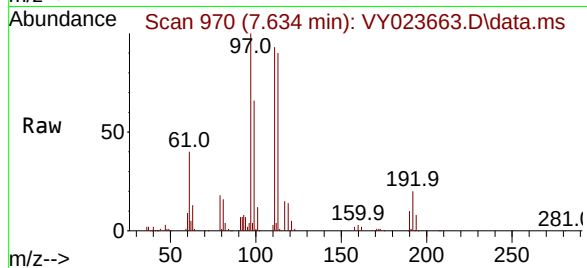
88 14.3 0.0 29.0





#35
Dibromofluoromethane
Concen: 19.972 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

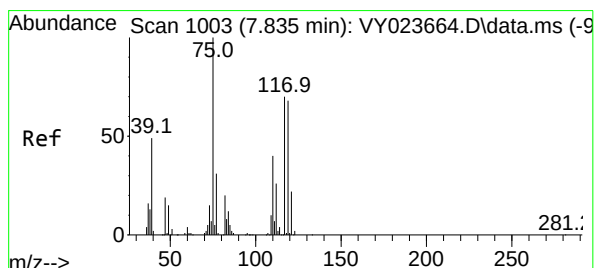
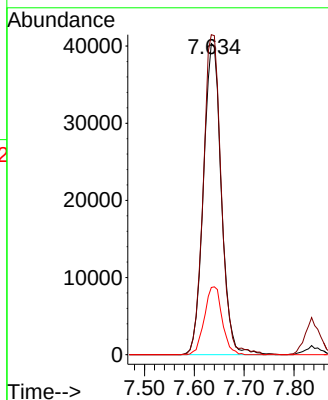
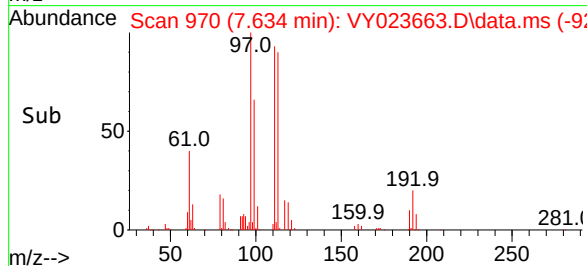
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



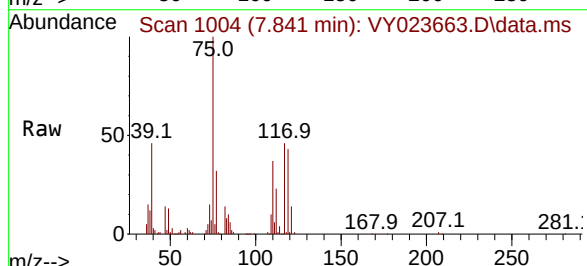
Tgt Ion:113 Resp: 100472
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 21.7 17.3 25.9

Manual Integrations
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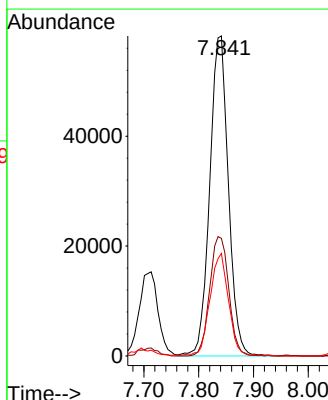
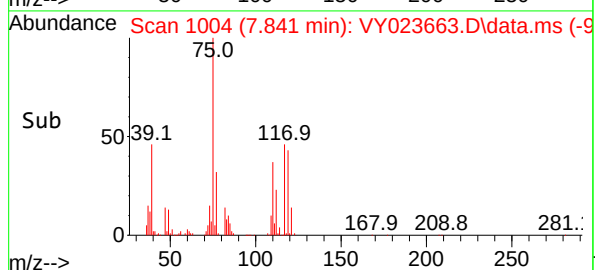
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

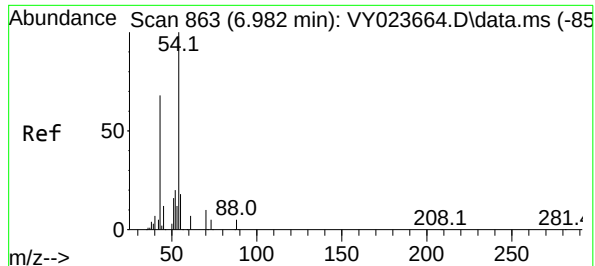


#36
1,1-Dichloropropene
Concen: 20.447 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



Tgt Ion: 75 Resp: 137450
Ion Ratio Lower Upper
75 100
110 38.2 19.7 59.0
77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 19.916 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 5182

Ion Ratio Lower Upper

43 100

61 16.9 12.4 18.6

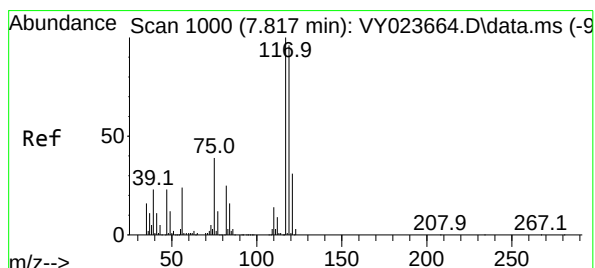
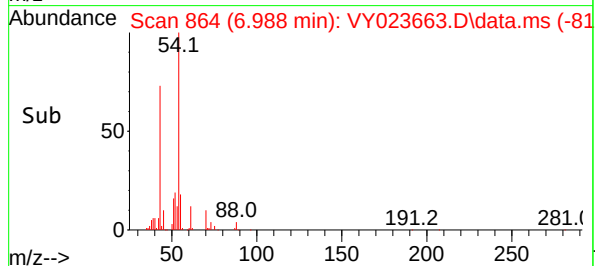
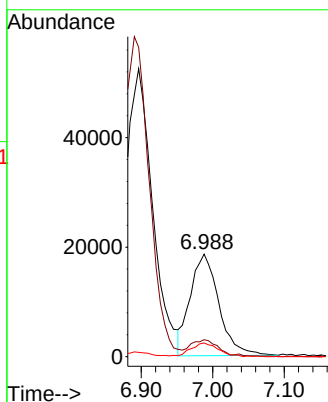
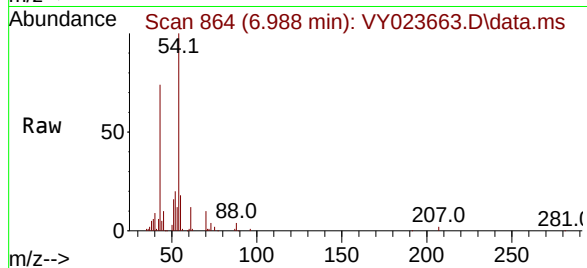
70 12.5 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 20.353 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

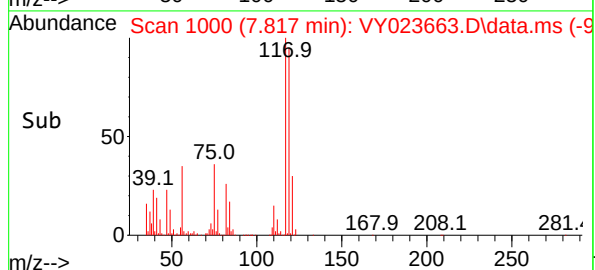
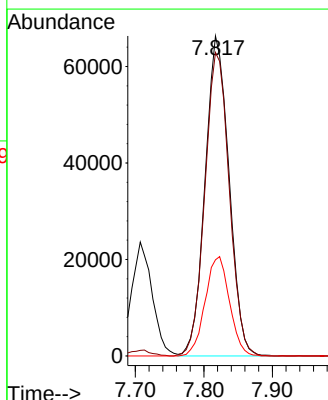
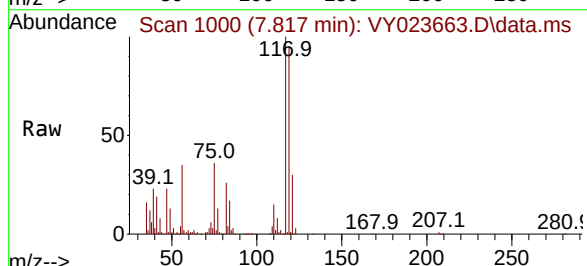
Tgt Ion:117 Resp: 161201

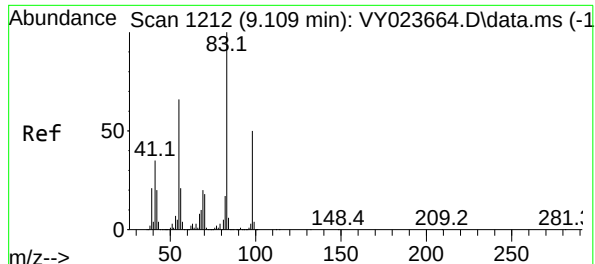
Ion Ratio Lower Upper

117 100

119 94.9 76.3 114.5

121 30.1 24.8 37.2





#39

Methylcyclohexane

Concen: 20.098 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 17262

Ion Ratio Lower Upper

83 100

55 68.0 52.6 78.8

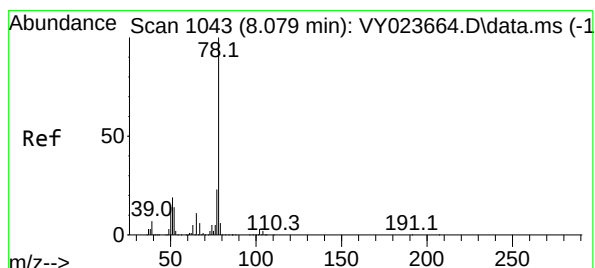
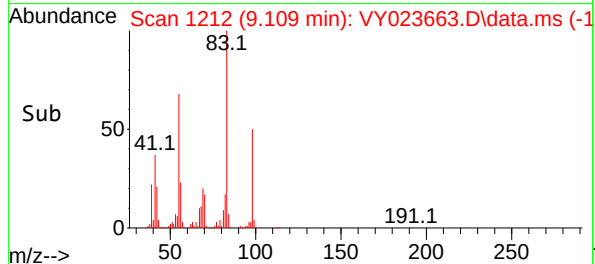
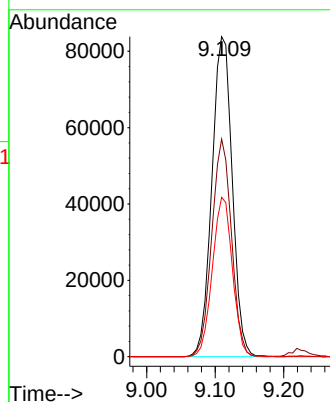
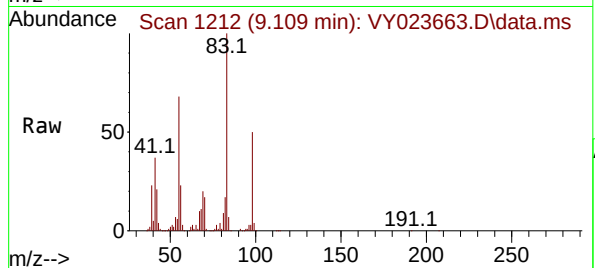
98 49.8 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 20.586 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023663.D

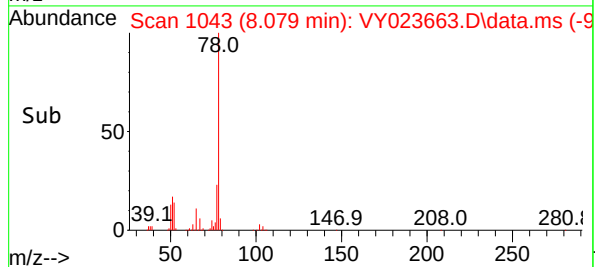
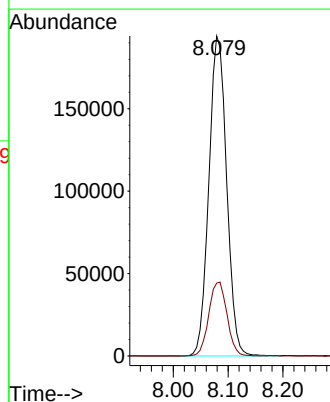
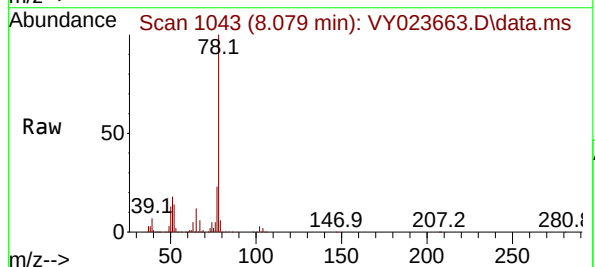
Acq: 04 Nov 2025 10:19

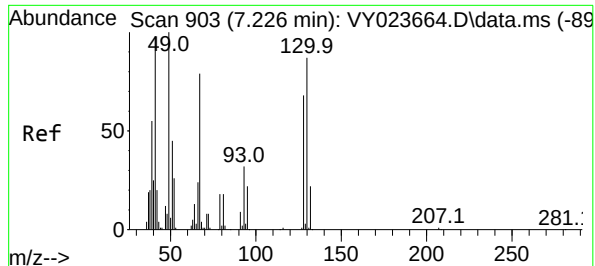
Tgt Ion: 78 Resp: 436191

Ion Ratio Lower Upper

78 100

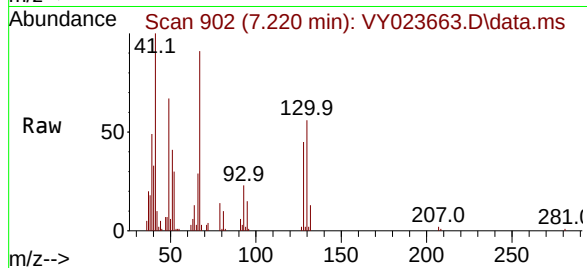
77 22.7 18.8 28.2





#41
Methacrylonitrile
Concen: 19.999 ug/l m
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

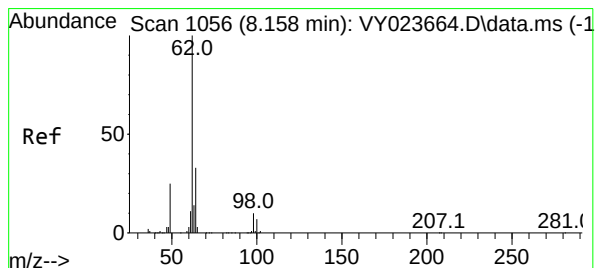
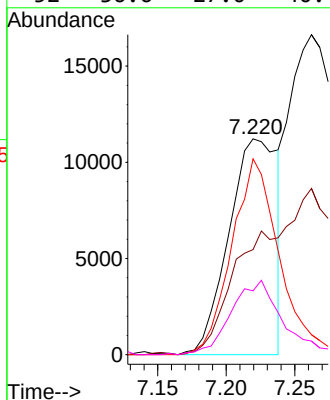
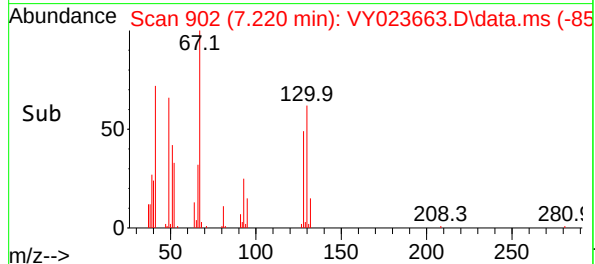
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



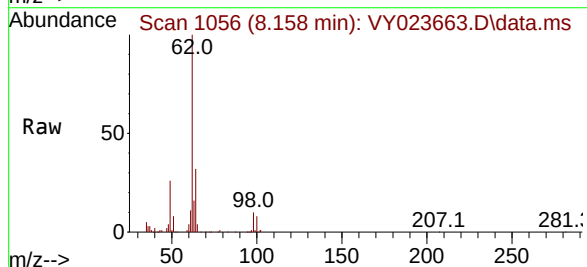
Tgt Ion: 41 Resp: 27760
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 89.2 71.3 106.9
52 36.6 27.0 40.4

Manual Integrations
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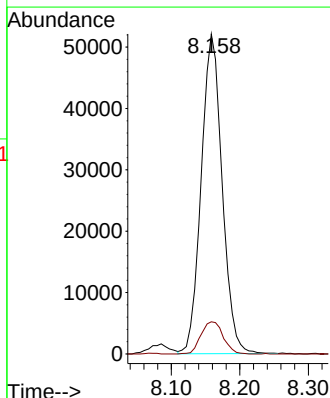
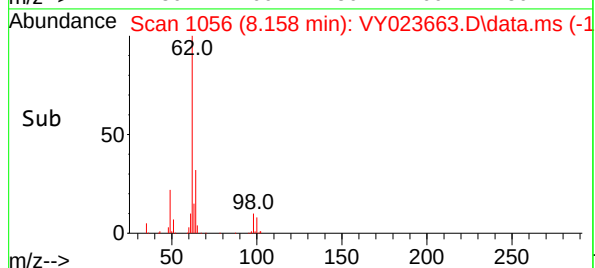
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

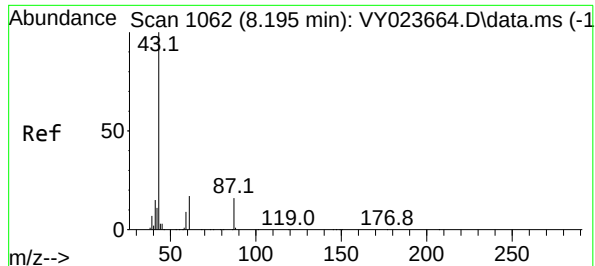


#42
1,2-Dichloroethane
Concen: 20.669 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



Tgt Ion: 62 Resp: 110796
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.148 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 98512

Ion Ratio Lower Upper

43 100

61 23.0 18.2 27.2

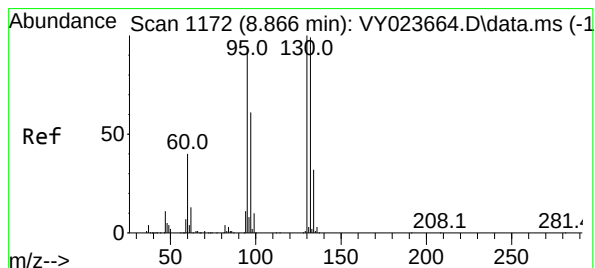
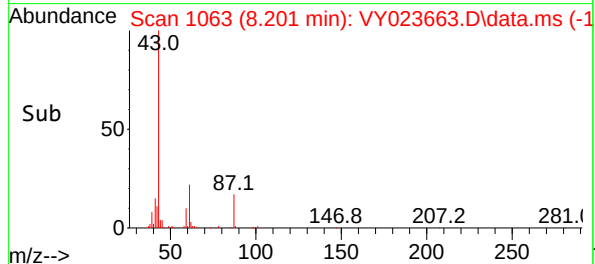
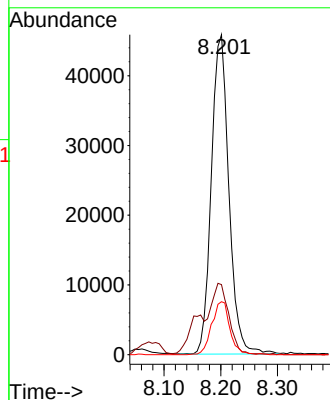
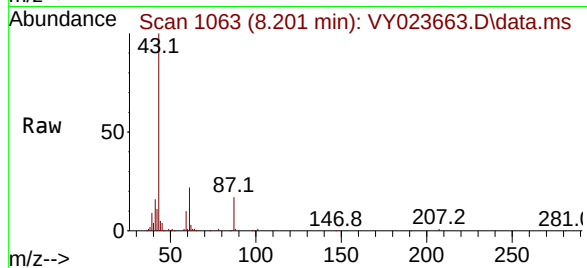
87 17.1 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 20.468 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023663.D

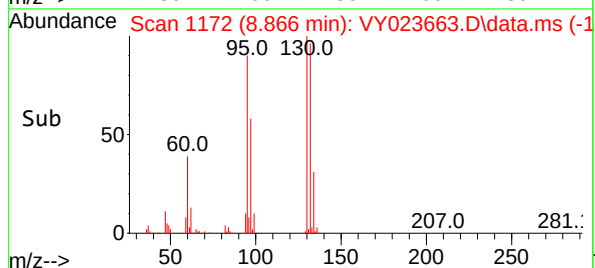
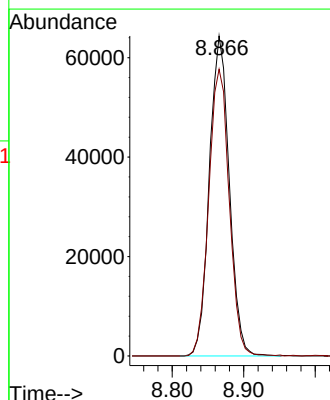
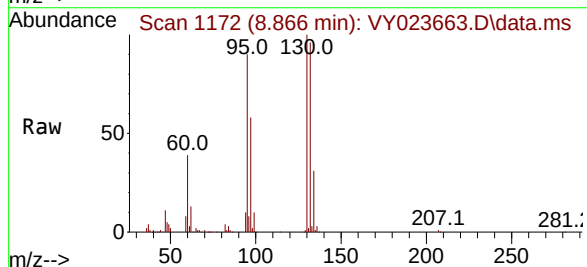
Acq: 04 Nov 2025 10:19

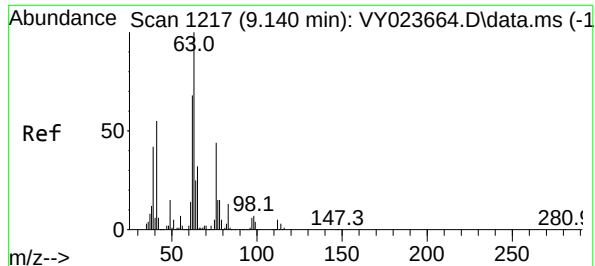
Tgt Ion:130 Resp: 124567

Ion Ratio Lower Upper

130 100

95 89.6 0.0 187.0





#45

1,2-Dichloropropane

Concen: 20.632 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 9648

Ion Ratio Lower Upper

63 100

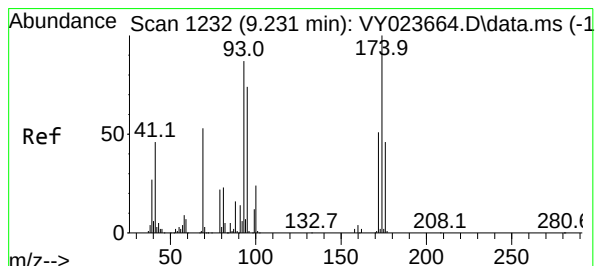
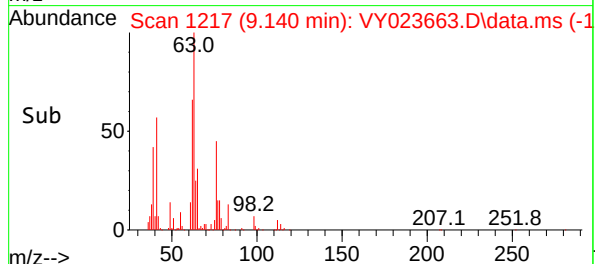
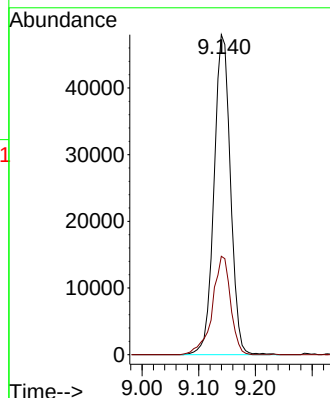
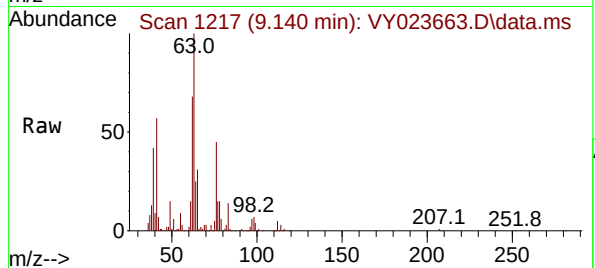
65 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 21.188 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

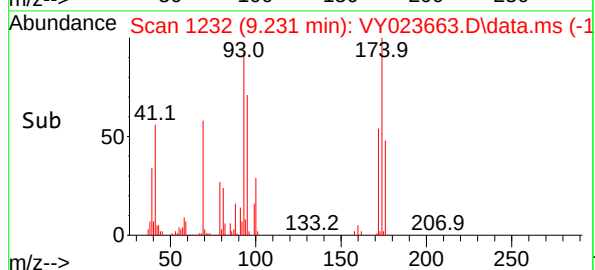
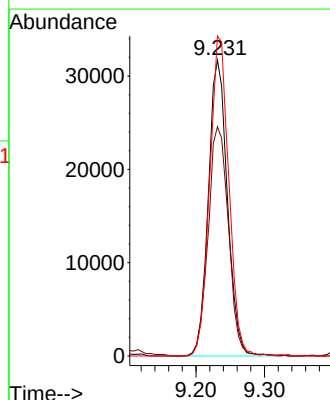
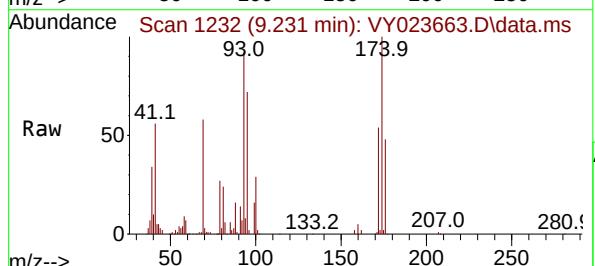
Tgt Ion: 93 Resp: 61391

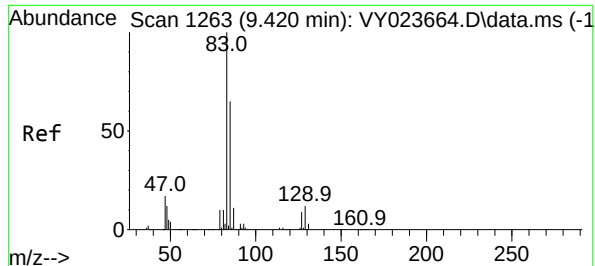
Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.2

174 108.5 89.4 134.0





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 151710

Ion Ratio Lower Upper

83 100

85 64.2 52.1 78.1

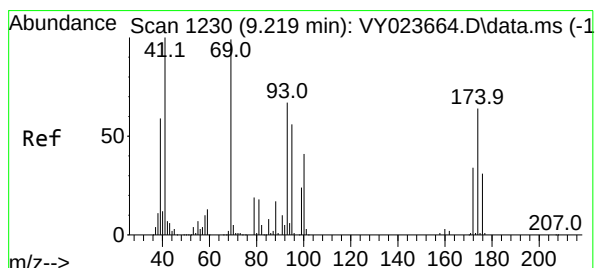
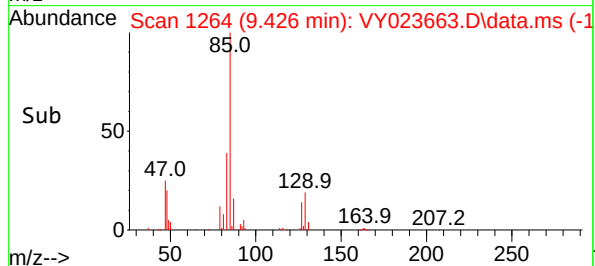
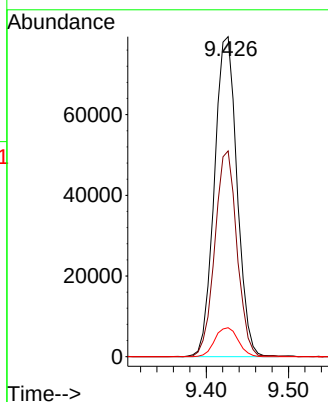
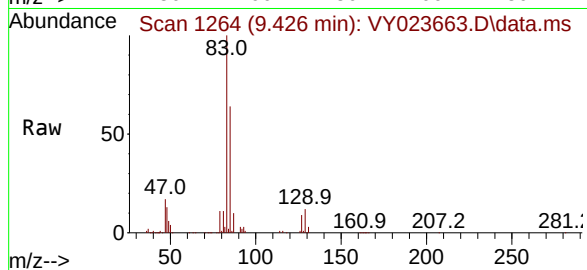
127 9.1 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 20.341 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

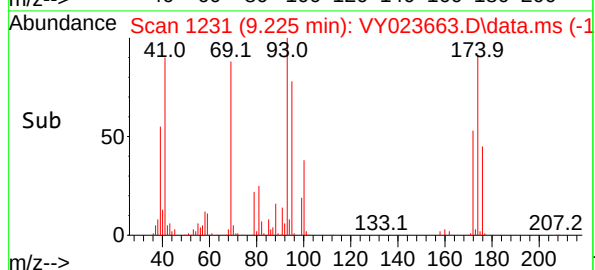
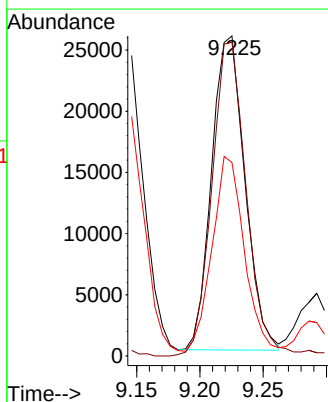
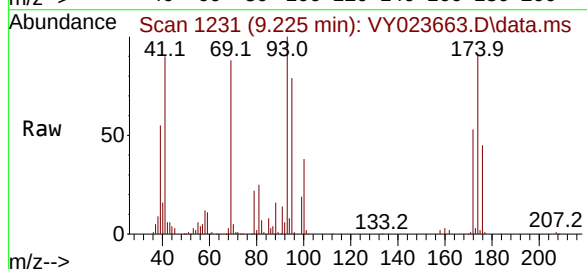
Tgt Ion: 41 Resp: 46988

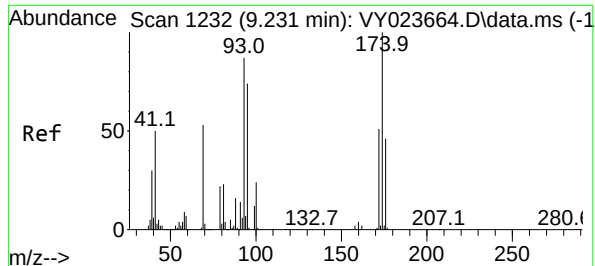
Ion Ratio Lower Upper

41 100

69 102.8 80.2 120.2

39 59.8 47.4 71.0





#49

1,4-Dioxane

Concen: 404.113 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 1198

Ion Ratio Lower Upper

88 100

43 31.2 22.0 33.0

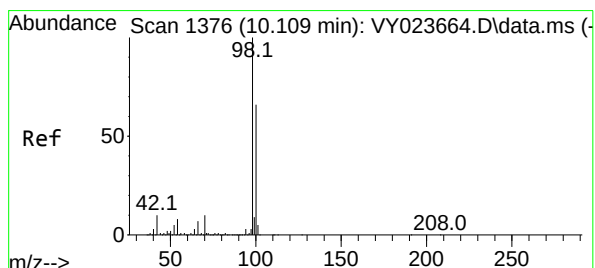
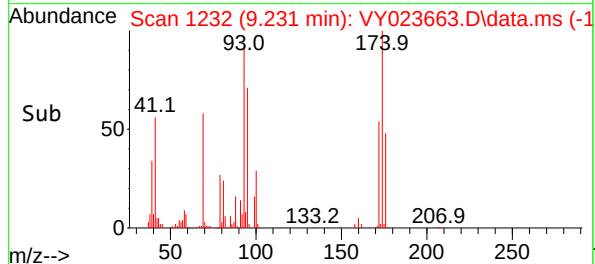
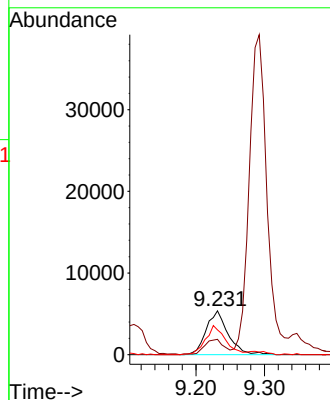
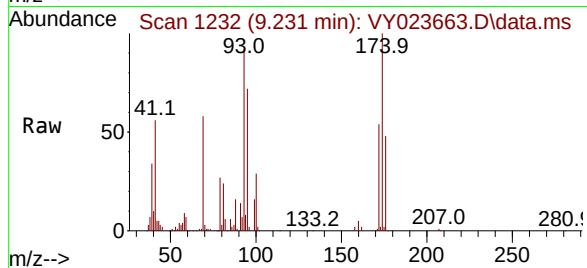
58 60.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 19.839 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023663.D

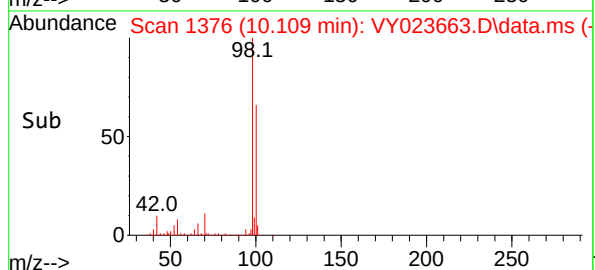
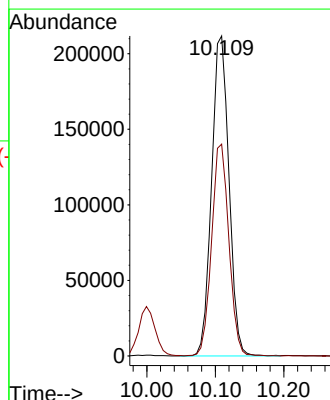
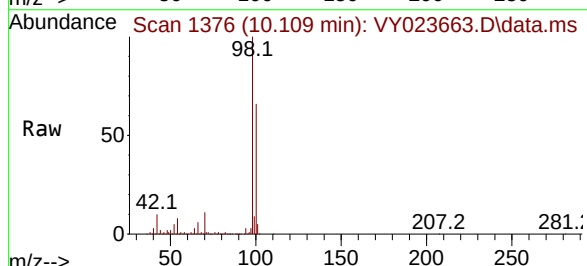
Acq: 04 Nov 2025 10:19

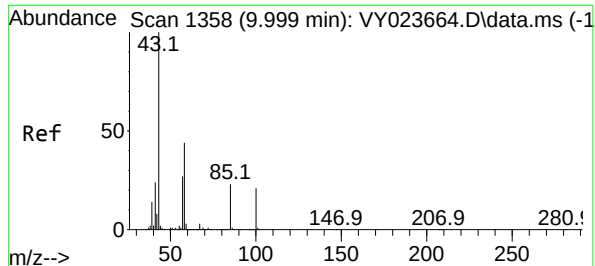
Tgt Ion: 98 Resp: 371763

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 105.327 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 273879

Ion Ratio Lower Upper

43 100

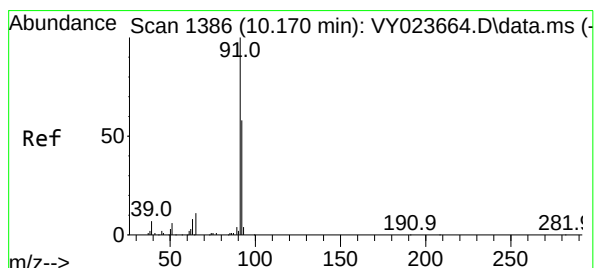
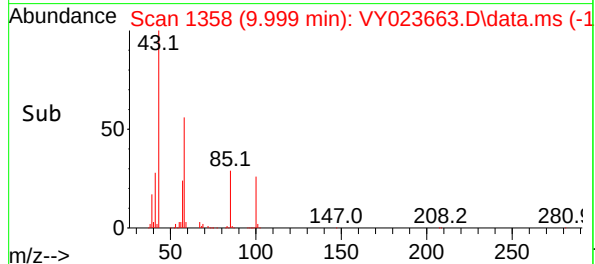
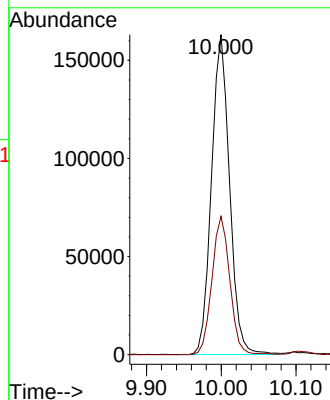
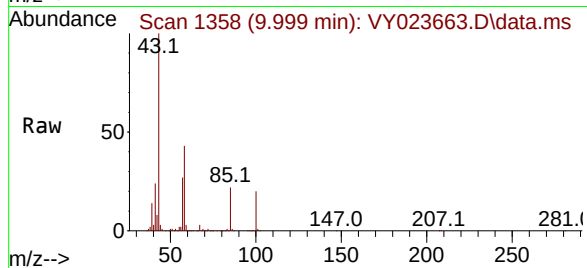
58 42.8 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#52

Toluene

Concen: 20.799 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023663.D

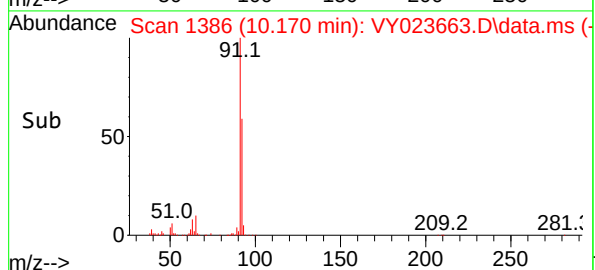
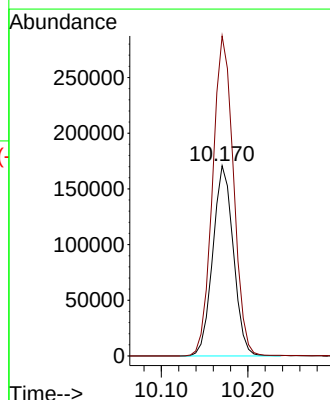
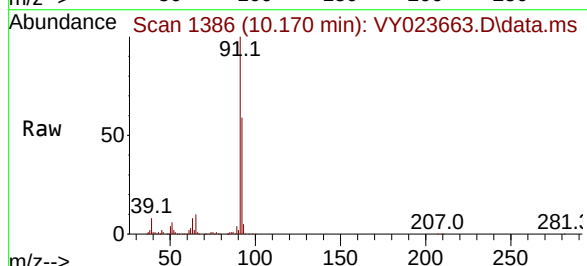
Acq: 04 Nov 2025 10:19

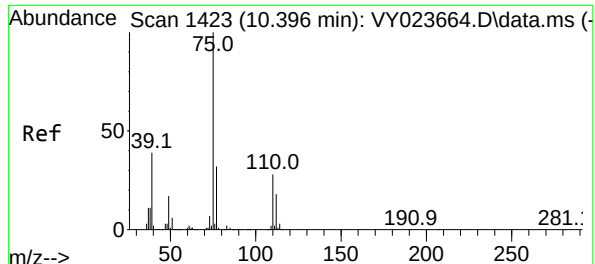
Tgt Ion: 92 Resp: 281364

Ion Ratio Lower Upper

92 100

91 171.5 137.8 206.8





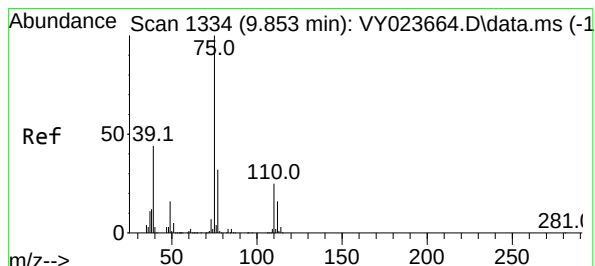
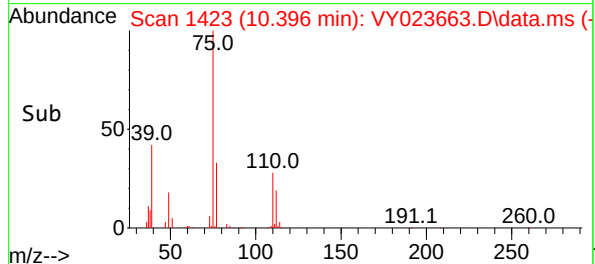
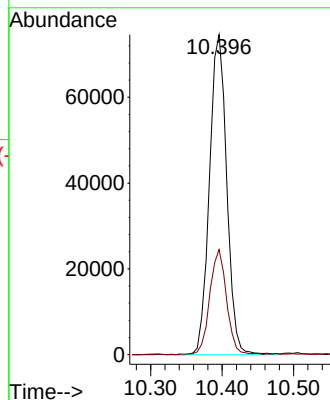
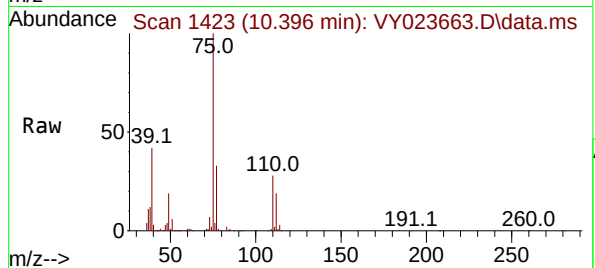
#53
t-1,3-Dichloropropene
Concen: 20.261 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 125239
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4

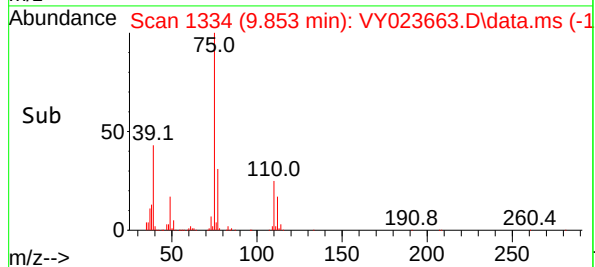
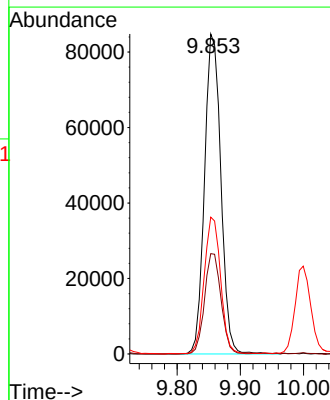
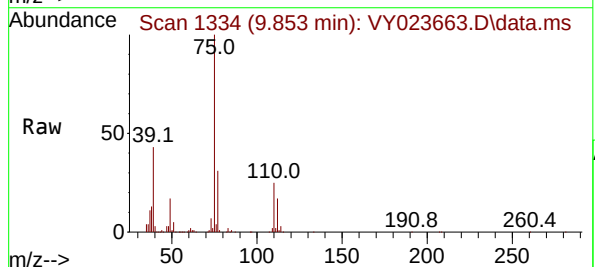
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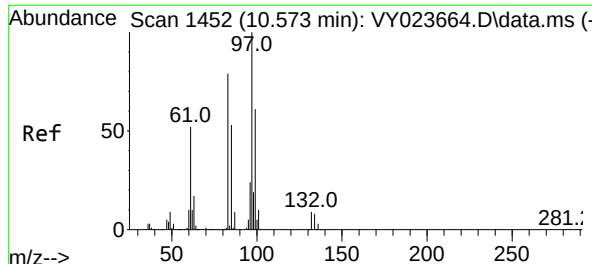
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 20.637 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 75 Resp: 152830
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 42.7 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 20.761 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 80390

Ion Ratio Lower Upper

97 100

83 84.6 63.3 94.9

85 54.2 42.4 63.6

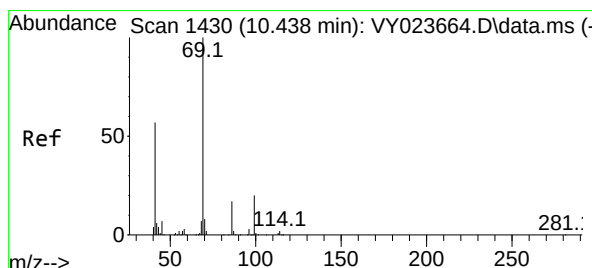
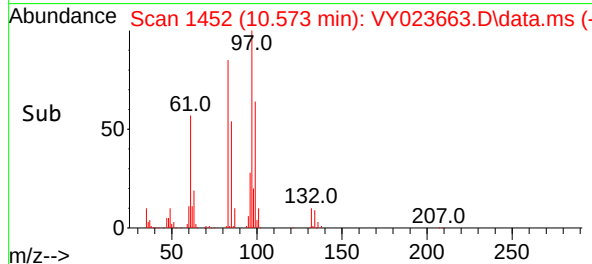
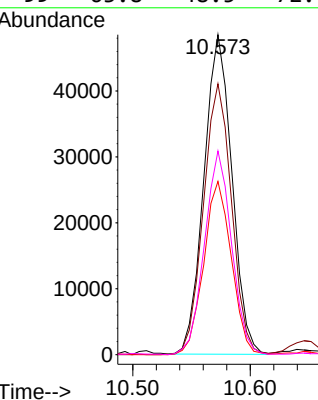
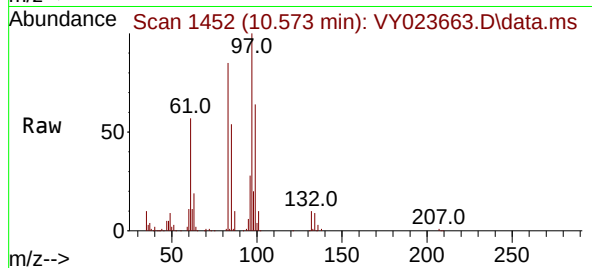
99 63.8 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#56

Ethyl methacrylate

Concen: 19.687 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

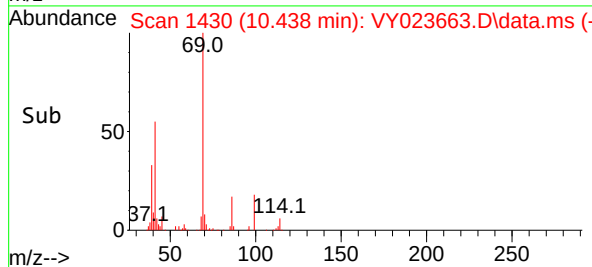
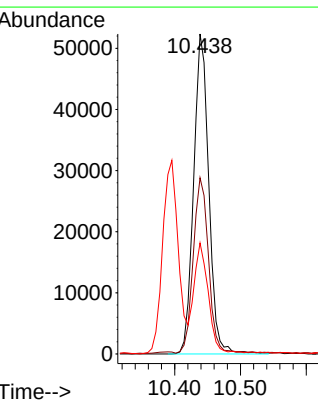
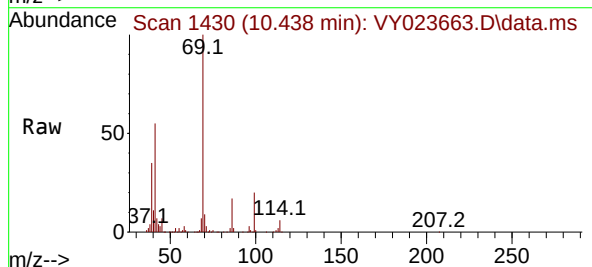
Tgt Ion: 69 Resp: 83993

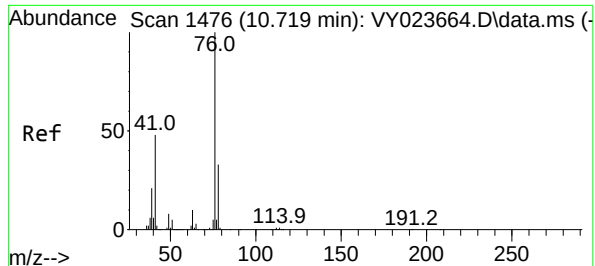
Ion Ratio Lower Upper

69 100

41 55.1 45.0 67.4

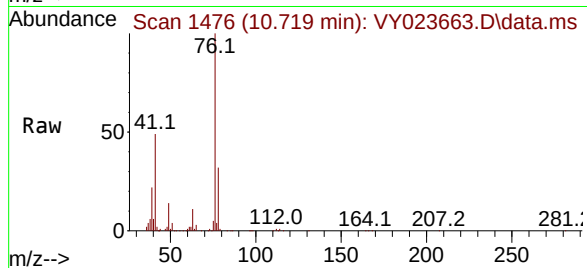
39 32.5 25.1 37.7





#57
1,3-Dichloropropane
Concen: 20.999 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

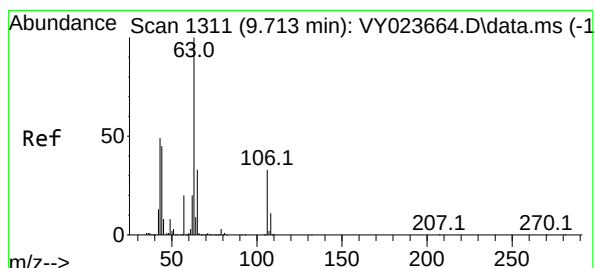
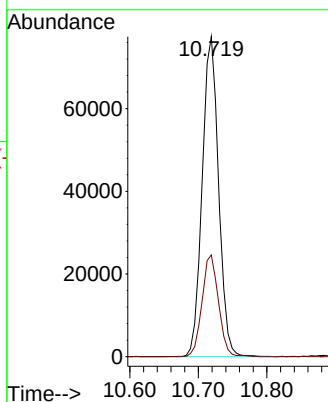
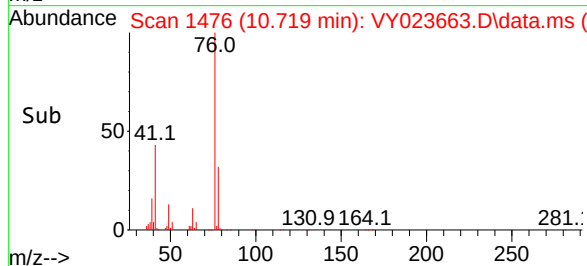
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 128970
Ion Ratio Lower Upper
76 100
78 32.0 26.0 39.0

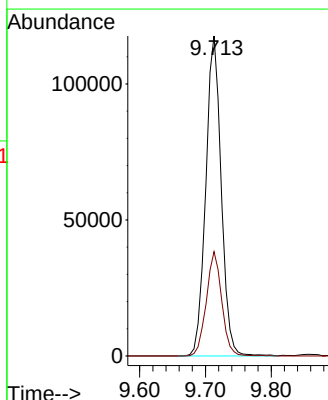
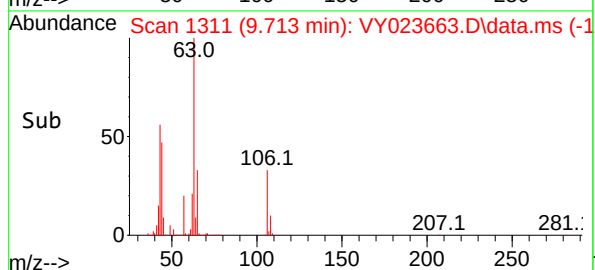
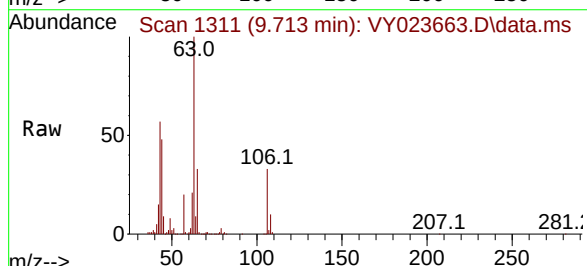
Manual Integrations
APPROVED

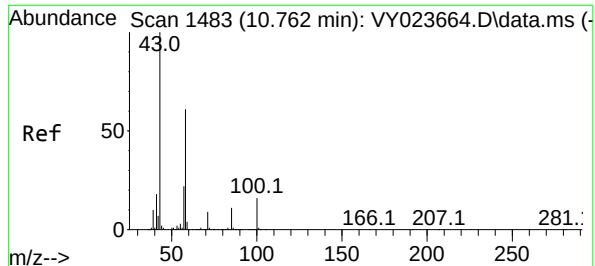
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 98.178 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 63 Resp: 192206
Ion Ratio Lower Upper
63 100
106 32.6 26.2 39.2





#59

2-Hexanone

Concen: 107.451 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 203840

Ion Ratio Lower Upper

43 100

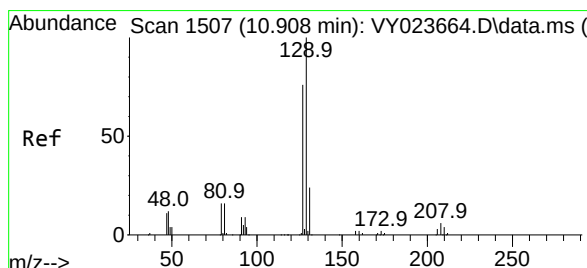
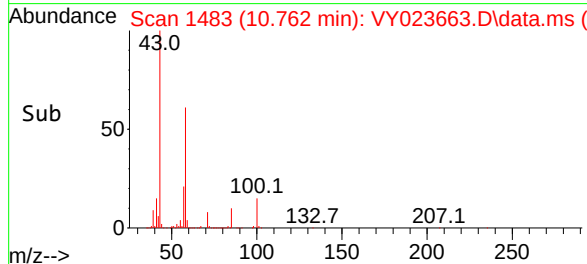
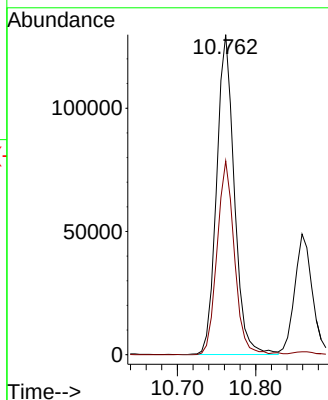
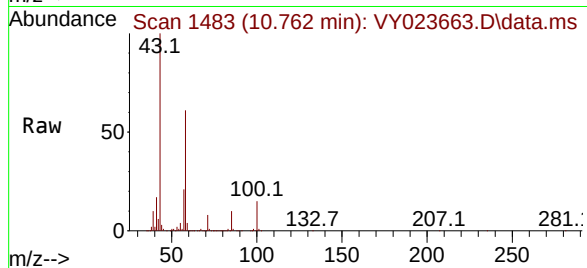
58 59.5 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#60

Dibromochloromethane

Concen: 20.677 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY023663.D

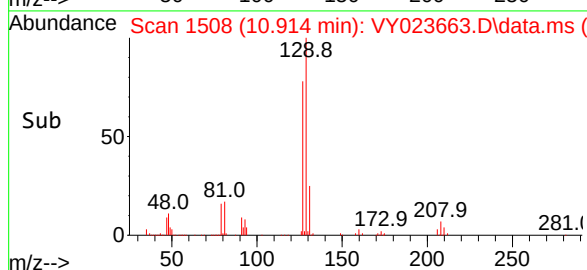
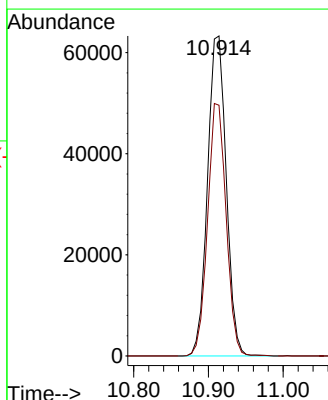
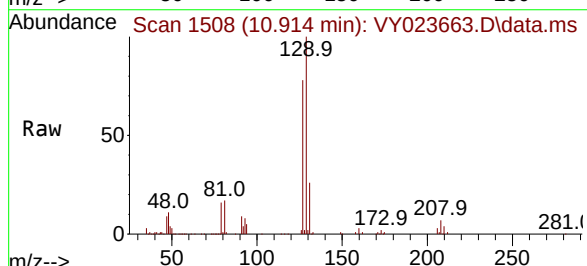
Acq: 04 Nov 2025 10:19

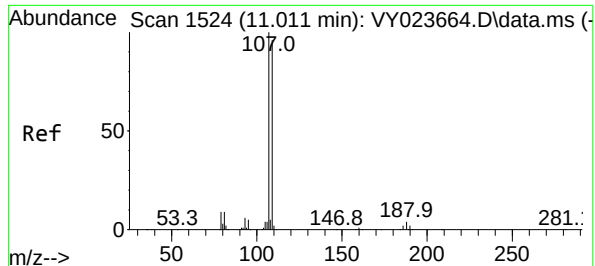
Tgt Ion:129 Resp: 110009

Ion Ratio Lower Upper

129 100

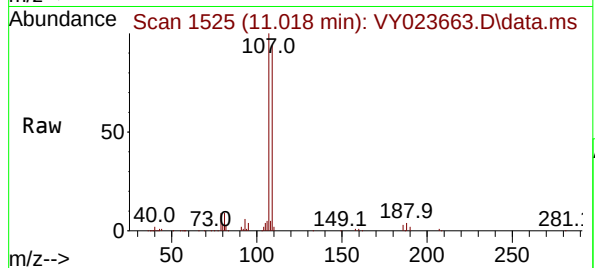
127 78.1 38.4 115.2





#61
1,2-Dibromoethane
Concen: 21.237 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

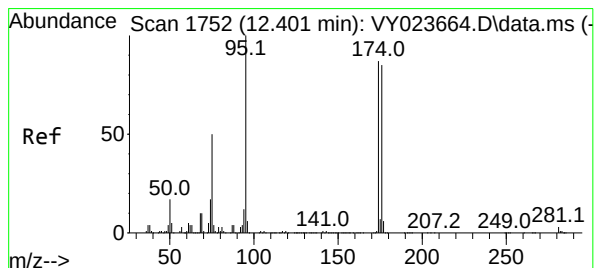
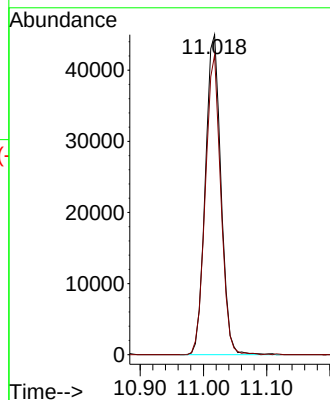
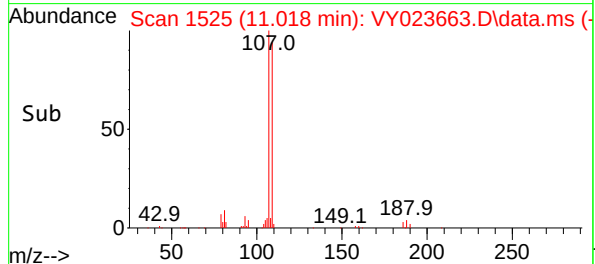
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 77174
Ion Ratio Lower Upper
107 100
109 92.8 76.2 114.4

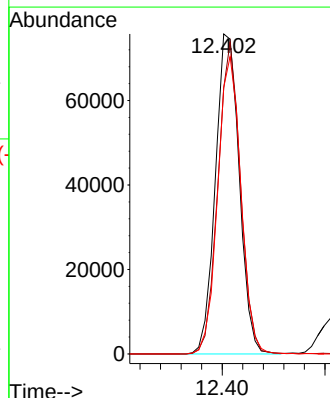
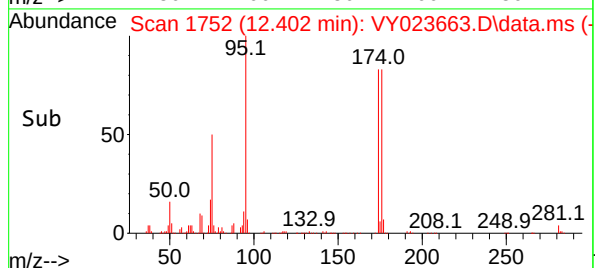
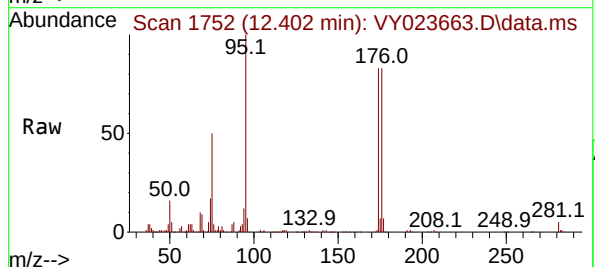
Manual Integrations
APPROVED

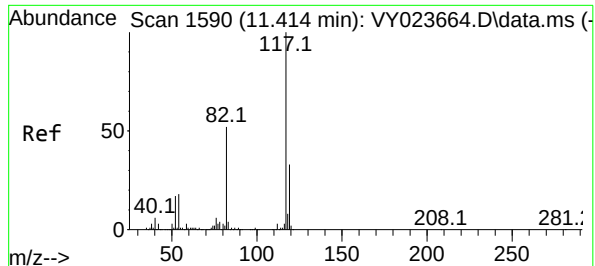
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 20.122 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

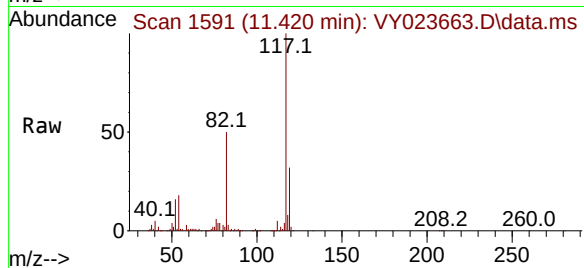
Tgt Ion: 95 Resp: 121943
Ion Ratio Lower Upper
95 100
174 91.9 0.0 184.8
176 90.3 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

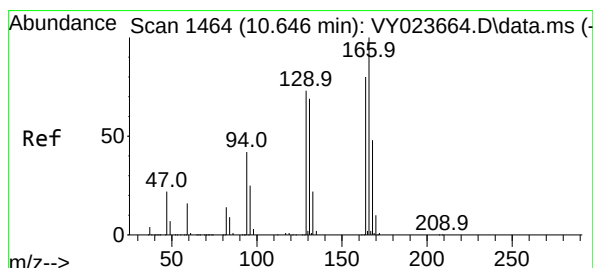
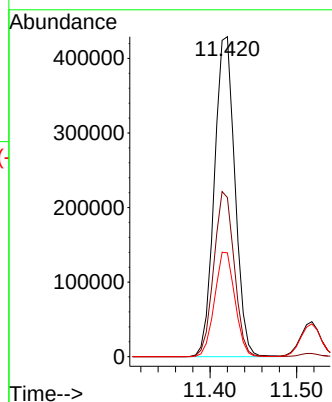
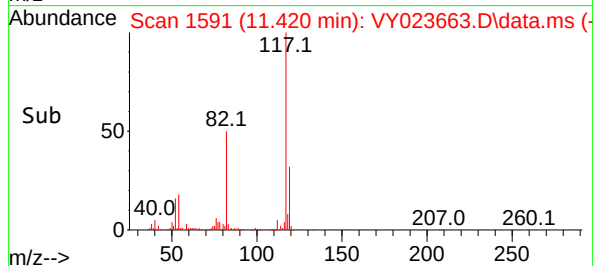
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 70729
Ion Ratio Lower Upper
117 100
82 49.7 41.2 61.8
119 32.4 26.2 39.2

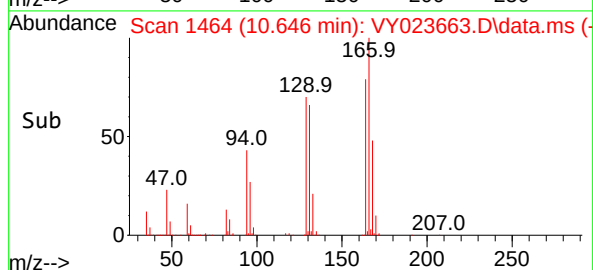
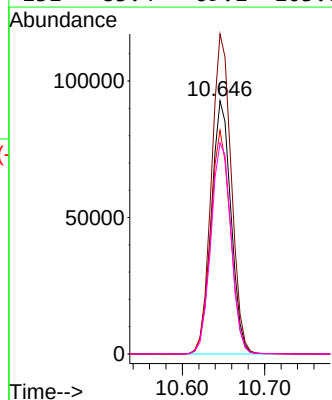
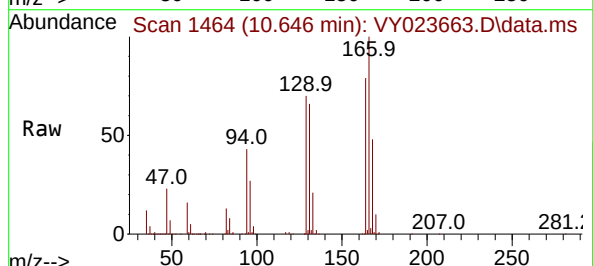
Manual Integrations
APPROVED

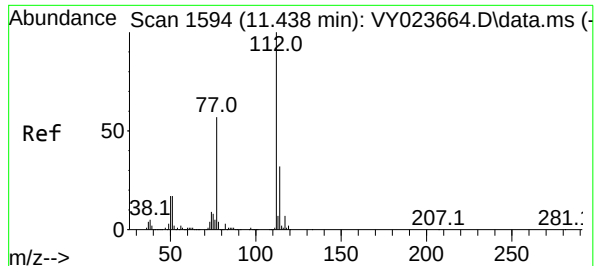
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 20.955 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

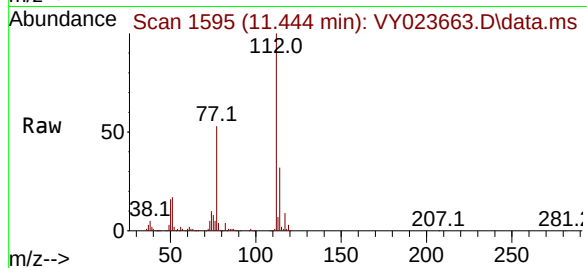
Tgt Ion:164 Resp: 154270
Ion Ratio Lower Upper
164 100
166 126.4 99.5 149.3
129 88.3 72.3 108.5
131 83.4 69.1 103.7





#65
Chlorobenzene
Concen: 20.378 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

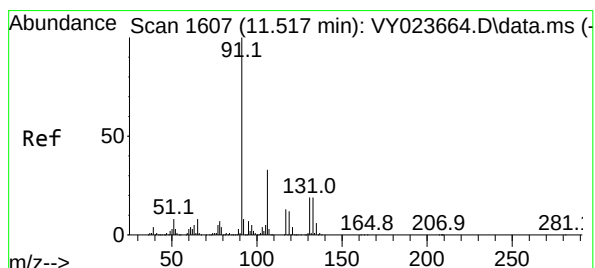
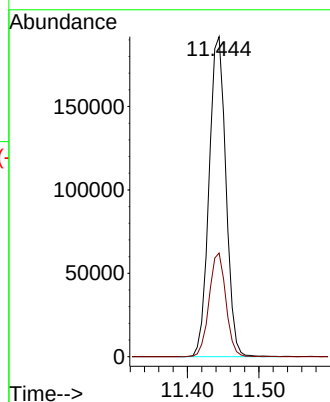
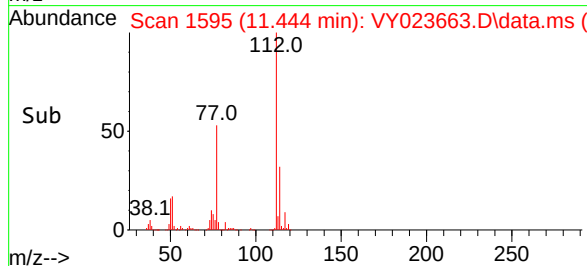
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 313770
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

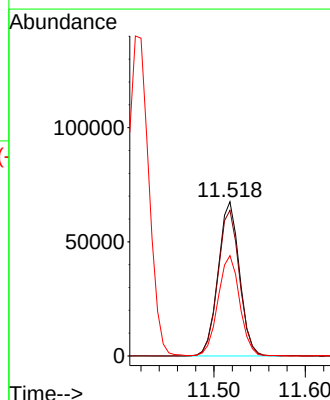
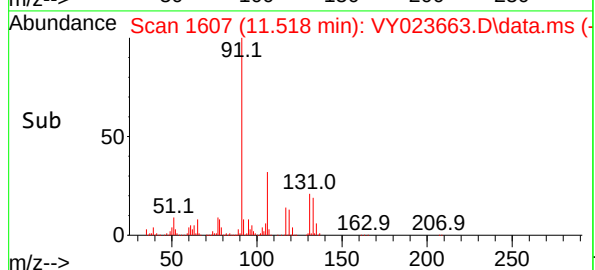
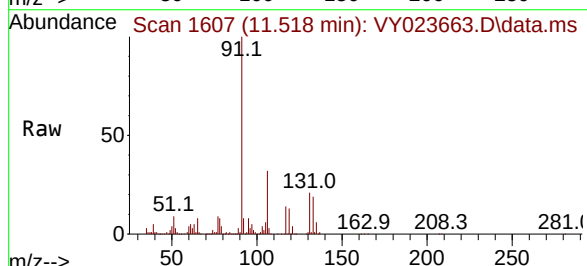
Manual Integrations
APPROVED

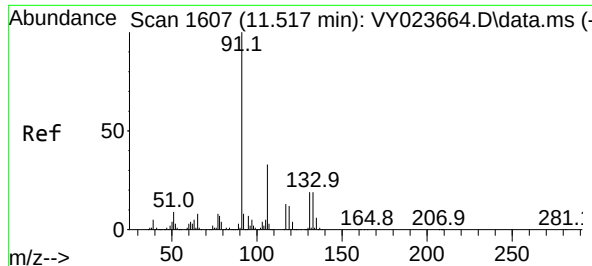
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.122 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:131 Resp: 109560
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 66.3 32.5 97.4





#67

Ethyl Benzene

Concen: 20.283 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 505460

Ion Ratio Lower Upper

91 100

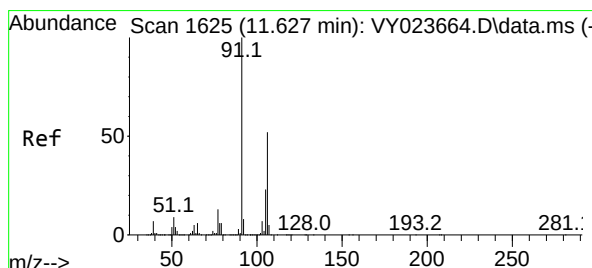
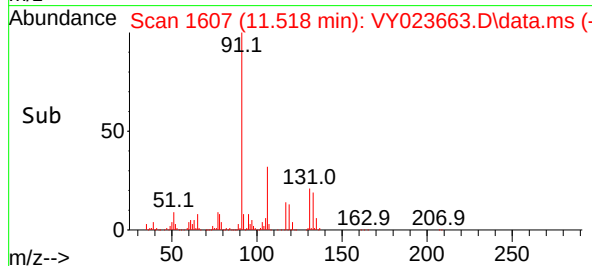
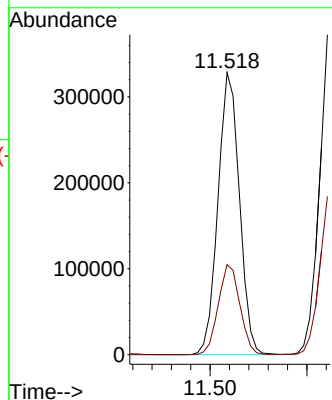
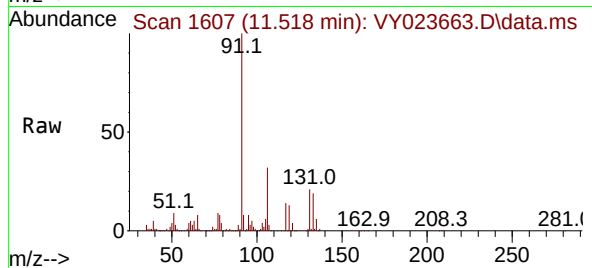
106 32.0 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 41.048 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023663.D

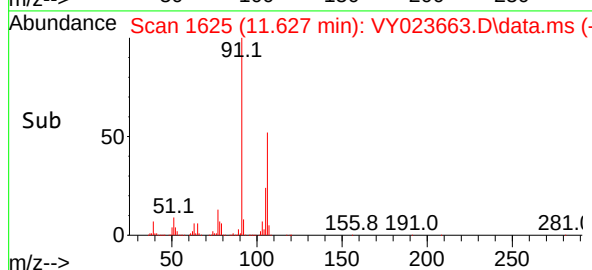
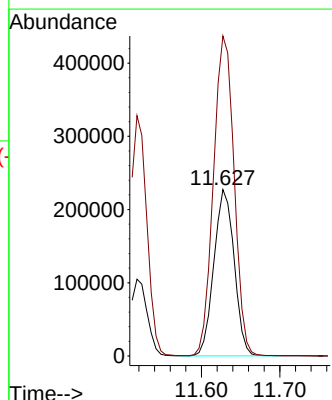
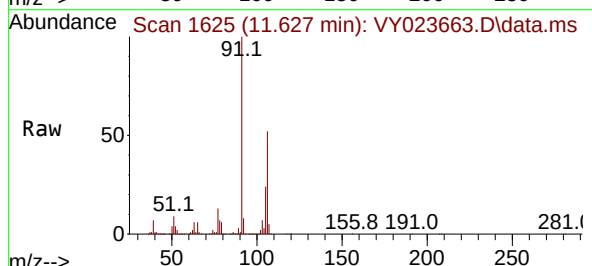
Acq: 04 Nov 2025 10:19

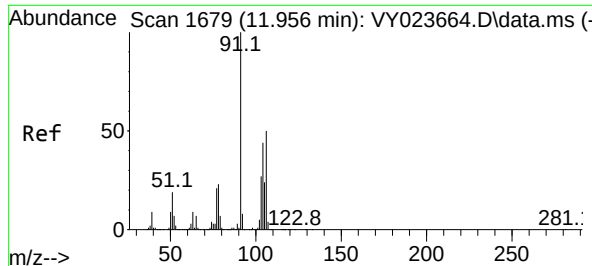
Tgt Ion:106 Resp: 408699

Ion Ratio Lower Upper

106 100

91 196.6 154.3 231.5





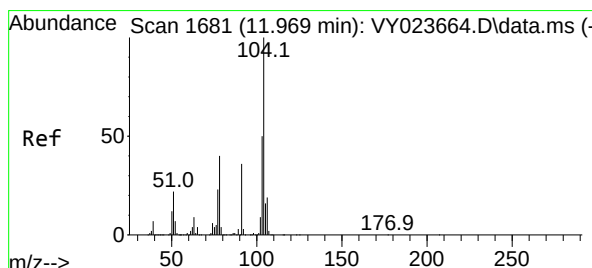
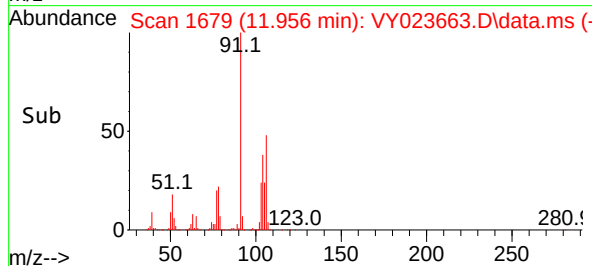
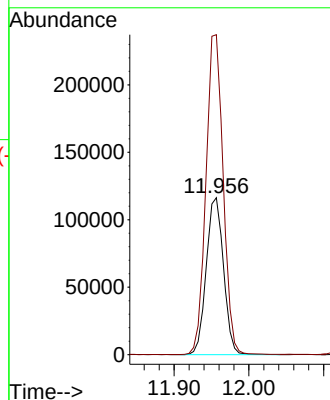
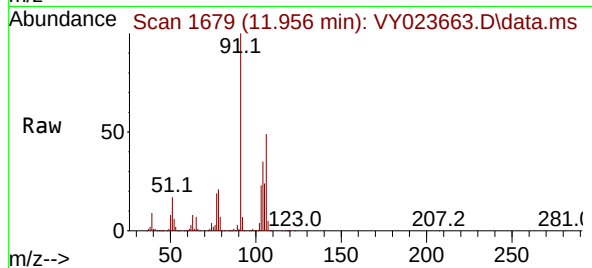
#69
o-Xylene
Concen: 20.260 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 186475
Ion Ratio Lower Upper
106 100
91 203.6 101.6 304.6

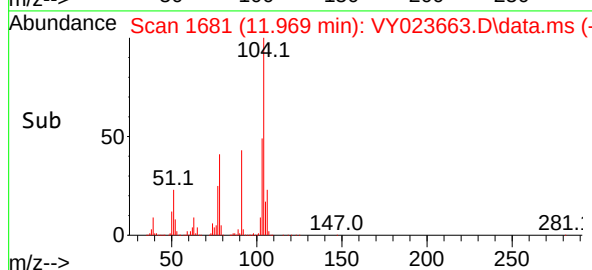
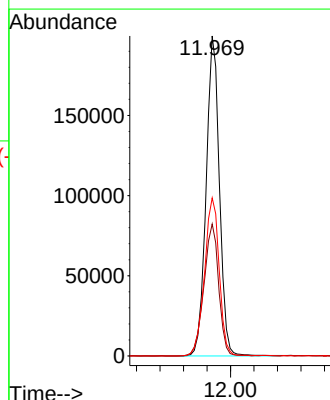
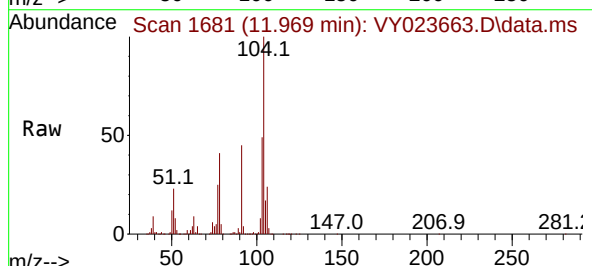
Manual Integrations
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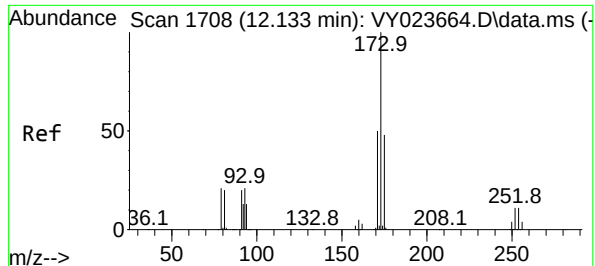
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 20.674 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:104 Resp: 313946
Ion Ratio Lower Upper
104 100
78 45.7 36.5 54.7
103 54.6 43.7 65.5





#71

Bromoform

Concen: 20.426 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:173 Resp: 64954

Ion Ratio Lower Upper

173 100

175 49.8 24.2 72.6

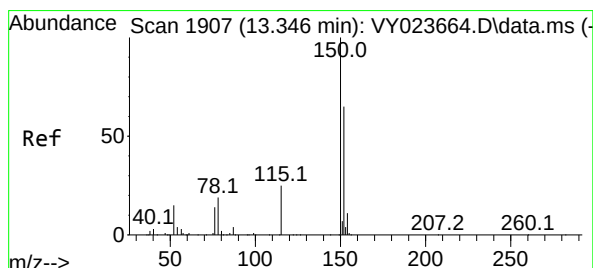
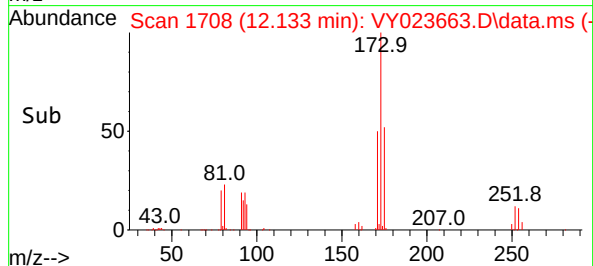
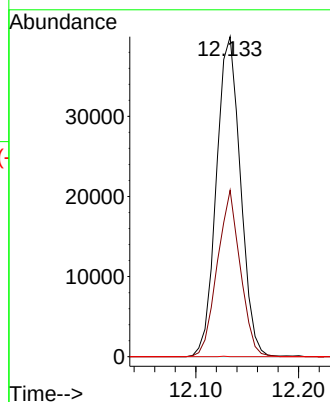
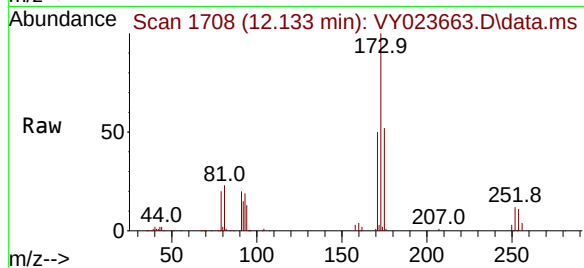
254 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

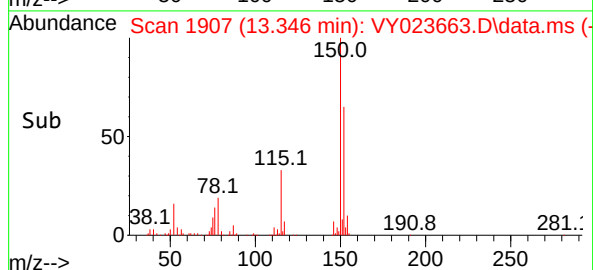
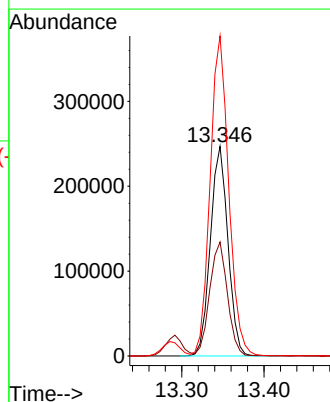
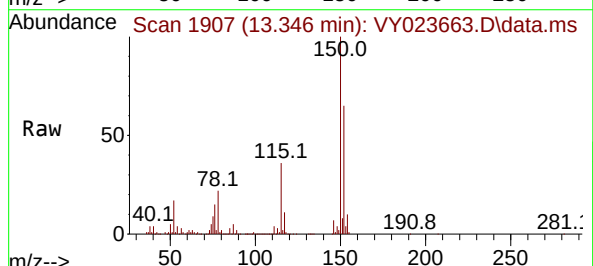
Tgt Ion:152 Resp: 367397

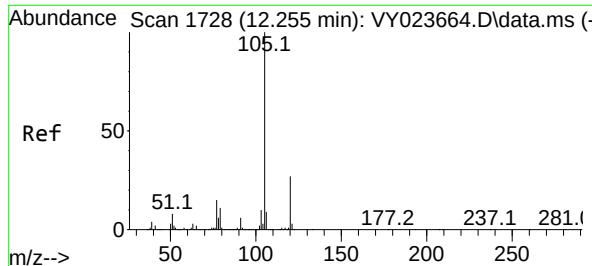
Ion Ratio Lower Upper

152 100

115 54.7 27.5 82.5

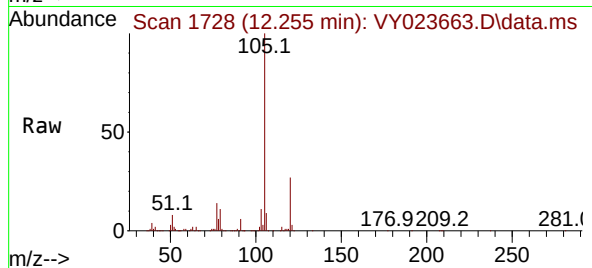
150 161.1 0.0 349.0





#73
Isopropylbenzene
Concen: 19.723 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

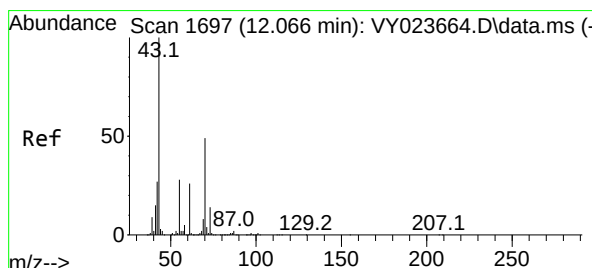
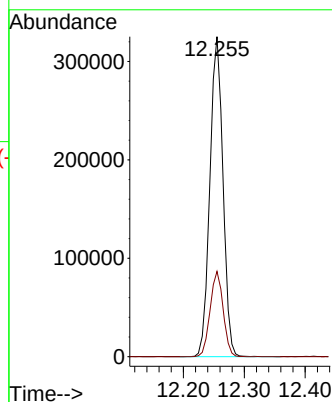
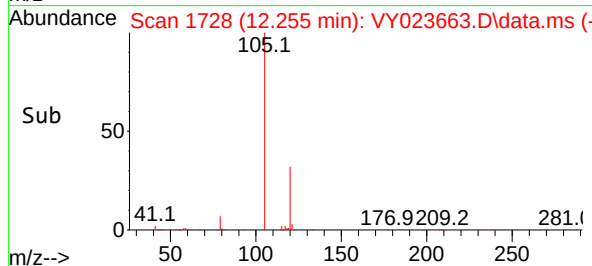
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:105 Resp: 484620
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.7

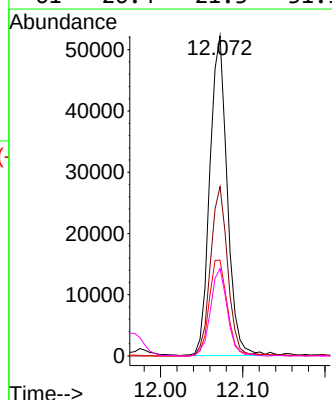
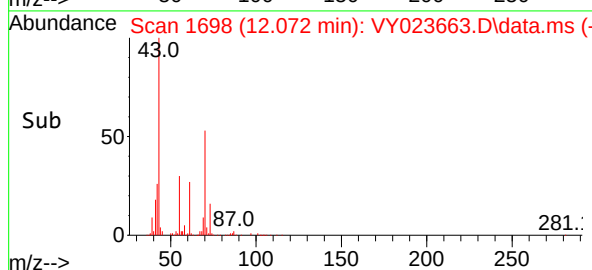
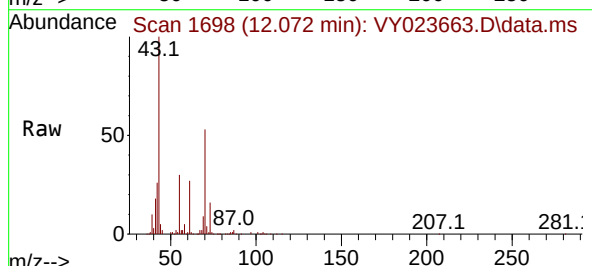
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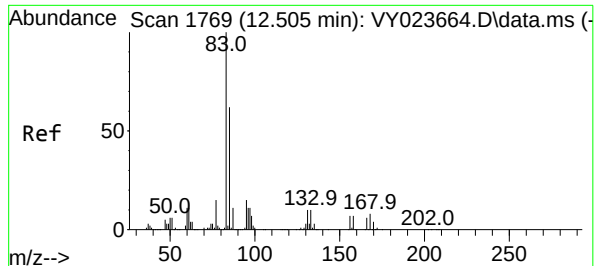
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 18.486 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 43 Resp: 76905
Ion Ratio Lower Upper
43 100
70 52.6 40.1 60.1
55 31.1 23.0 34.6
61 26.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.531 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 76650

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.0

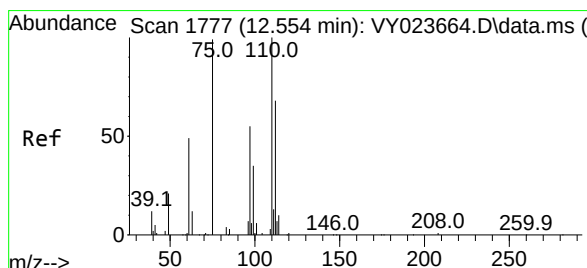
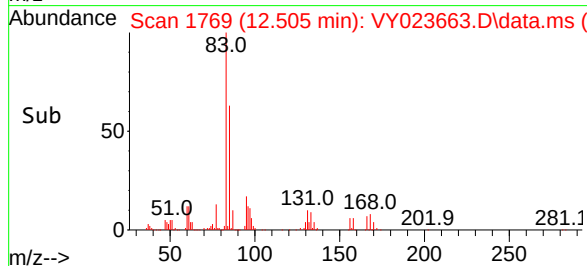
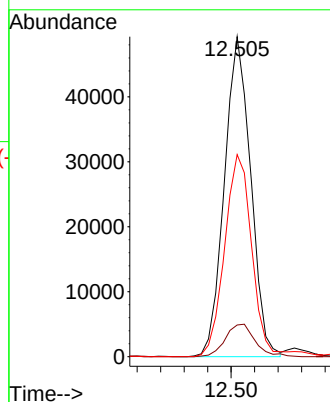
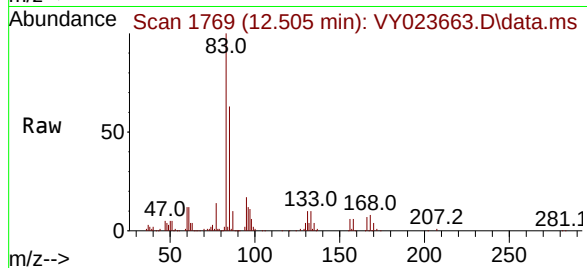
85 66.1 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#76

1,2,3-Trichloropropane

Concen: 20.272 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023663.D

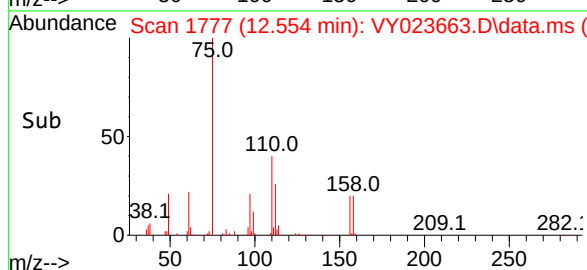
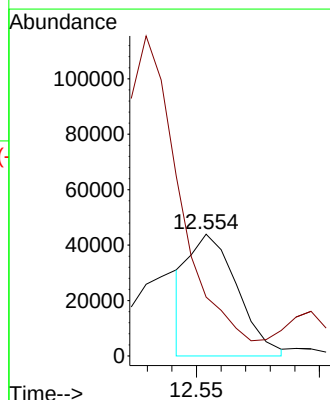
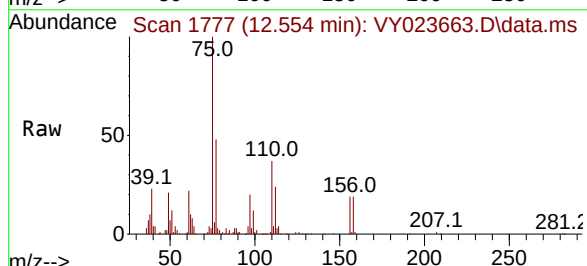
Acq: 04 Nov 2025 10:19

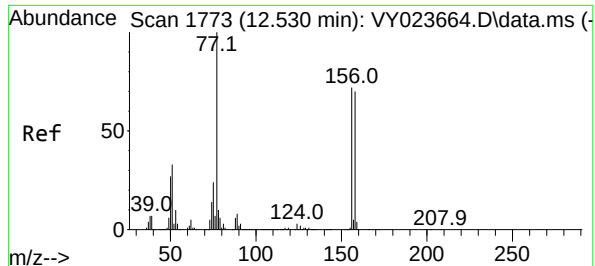
Tgt Ion: 75 Resp: 60277

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





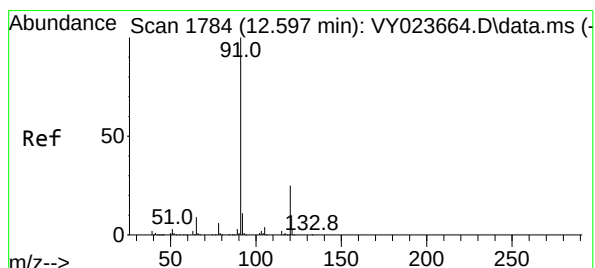
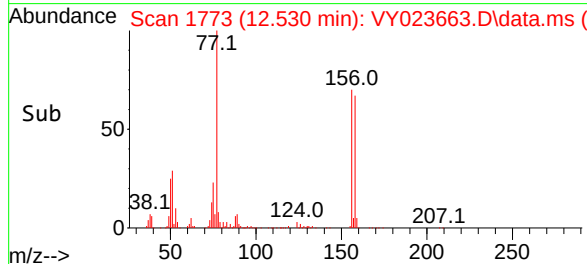
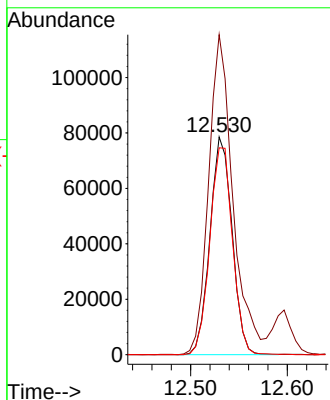
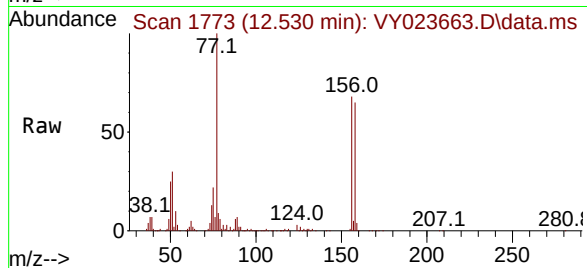
#77
Bromobenzene
Concen: 19.600 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 124920
Ion Ratio Lower Upper
156 100
77 160.7 77.9 233.7
158 98.0 48.5 145.5

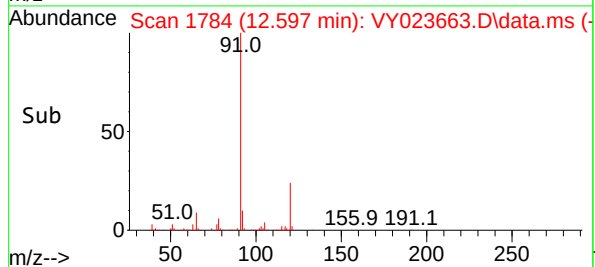
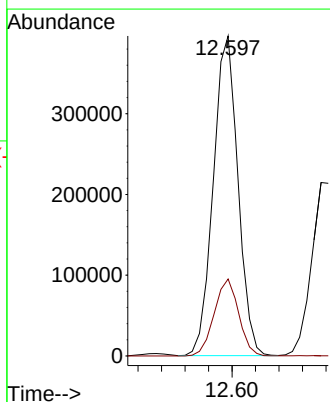
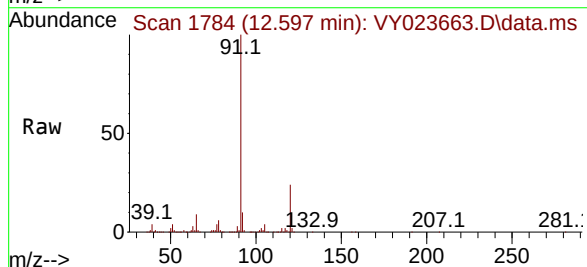
Manual Integrations
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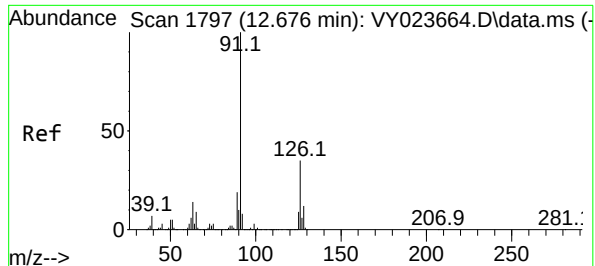
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 19.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 577151
Ion Ratio Lower Upper
91 100
120 23.8 12.0 36.1





#79

2-Chlorotoluene

Concen: 20.048 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 336249

Ion Ratio Lower Upper

91 100

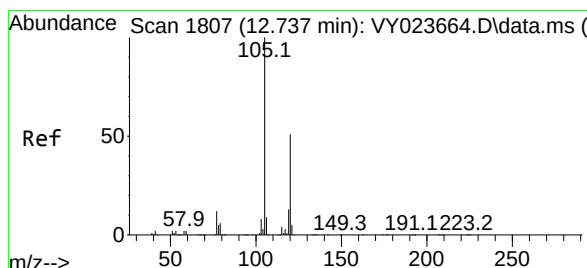
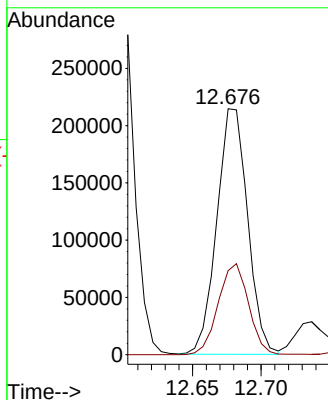
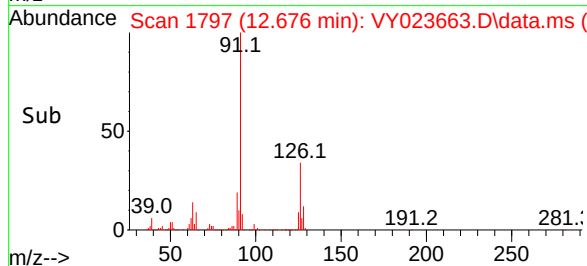
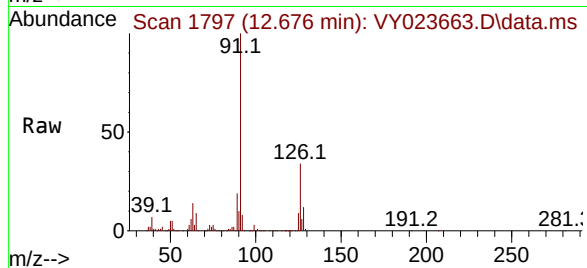
126 36.5 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.126 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023663.D

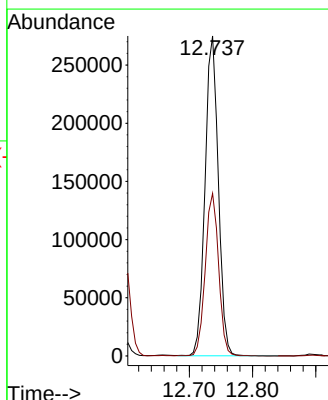
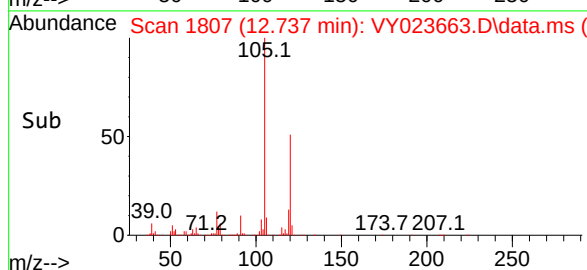
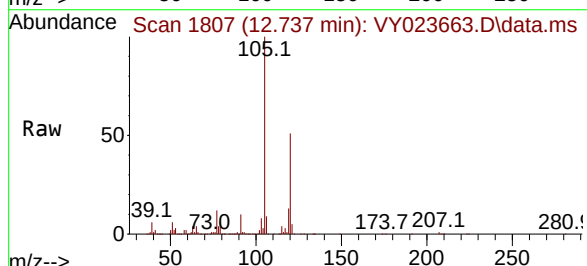
Acq: 04 Nov 2025 10:19

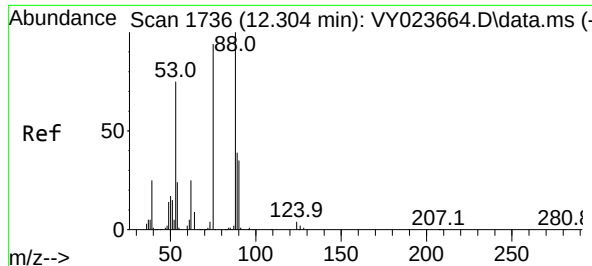
Tgt Ion:105 Resp: 401810

Ion Ratio Lower Upper

105 100

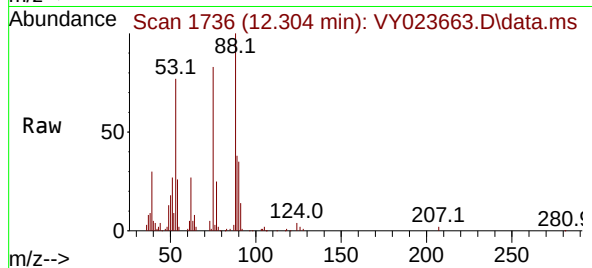
120 51.2 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.229 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

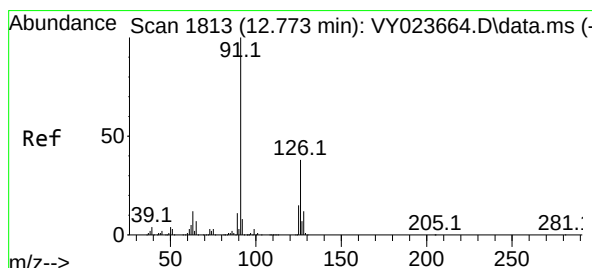
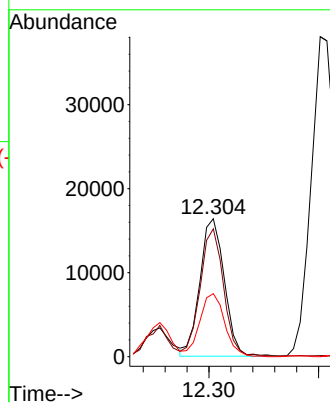
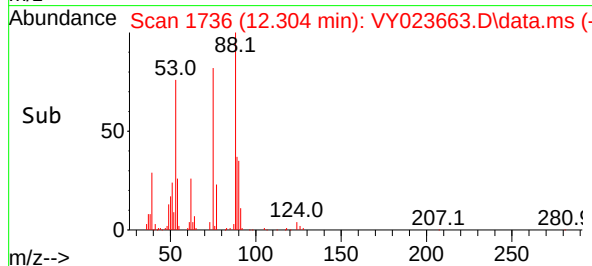
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 2529
Ion Ratio Lower Upper
75 100
53 89.0 69.6 104.4
89 47.3 38.2 57.4

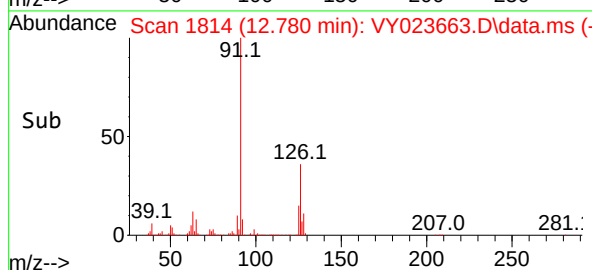
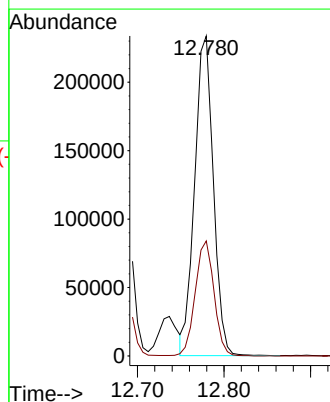
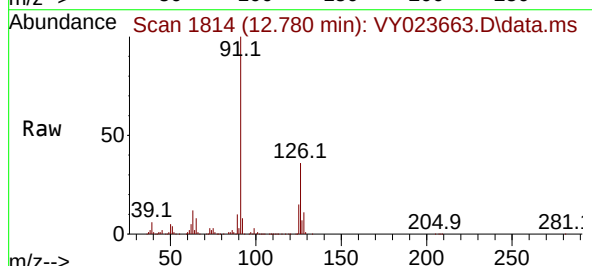
Manual Integrations
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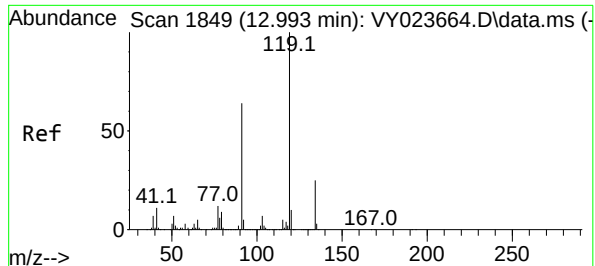
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 20.241 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

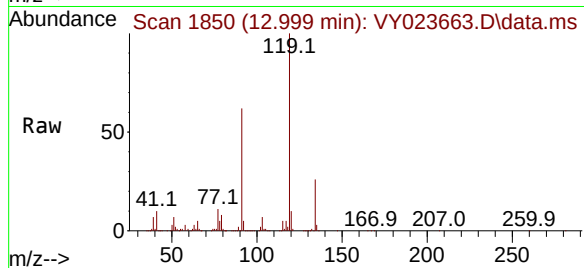
Tgt Ion: 91 Resp: 350104
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.4





#83
tert-Butylbenzene
Concen: 19.409 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

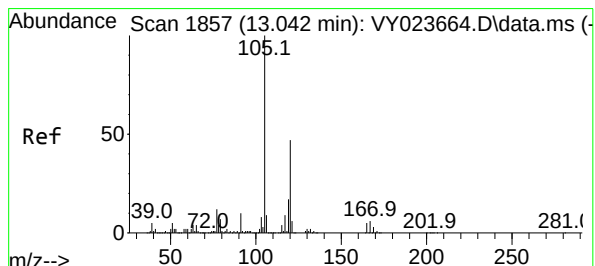
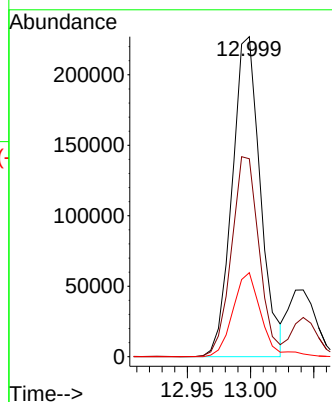
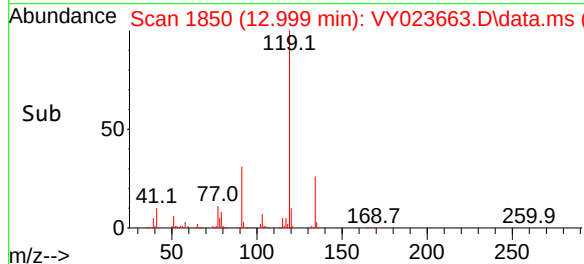
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 352929
Ion Ratio Lower Upper
119 100
91 61.4 30.7 92.1
134 26.4 13.1 39.1

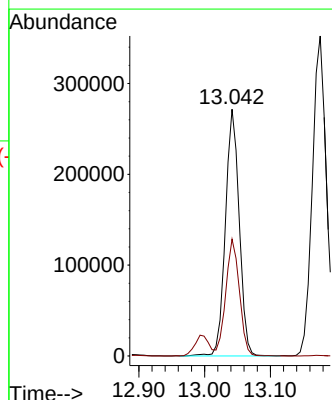
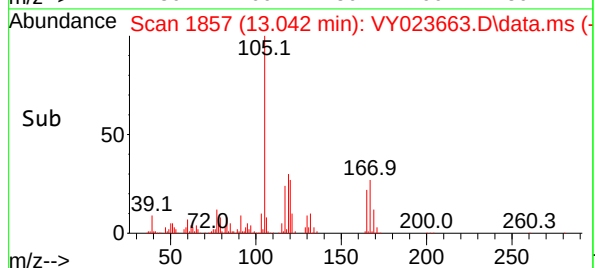
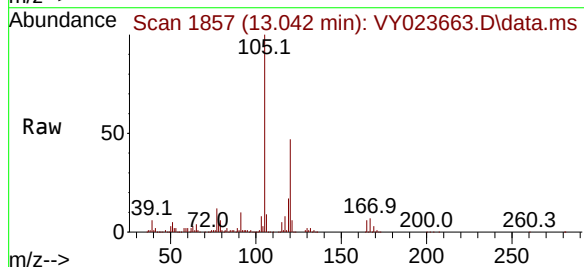
Manual Integrations
APPROVED

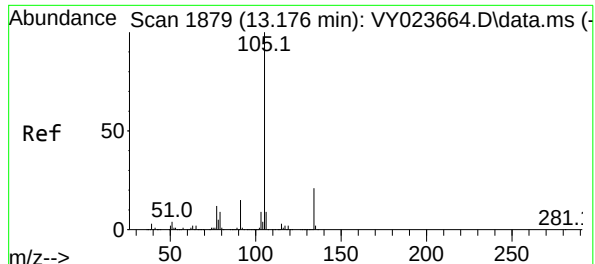
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.077 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

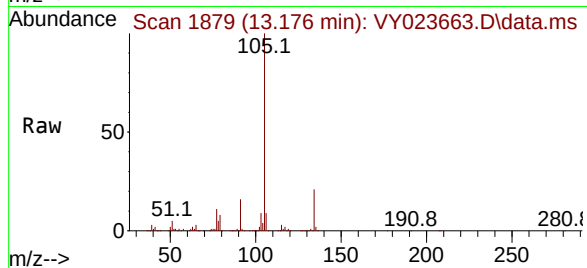
Tgt Ion:105 Resp: 397002
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6





#85
sec-Butylbenzene
Concen: 19.831 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

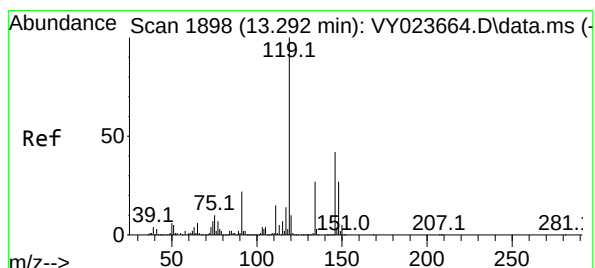
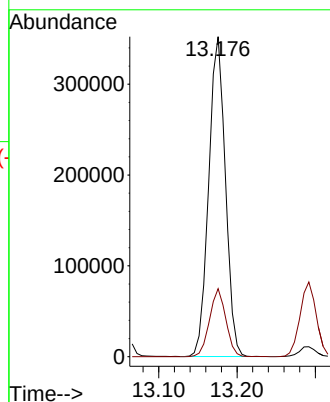
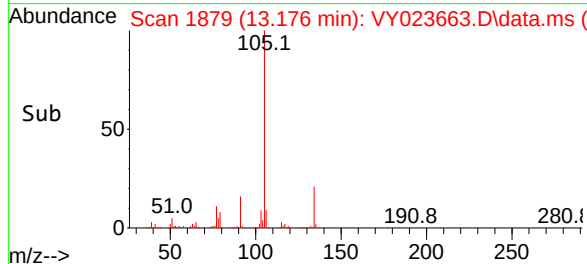
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



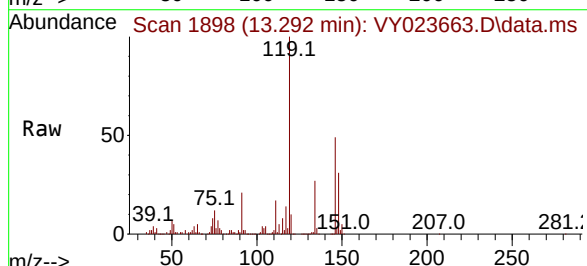
Tgt Ion:105 Resp: 520100
Ion Ratio Lower Upper
105 100
134 20.8 10.4 31.4

Manual Integrations
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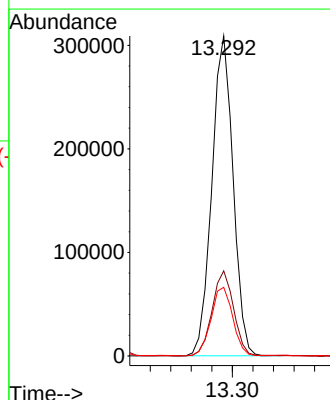
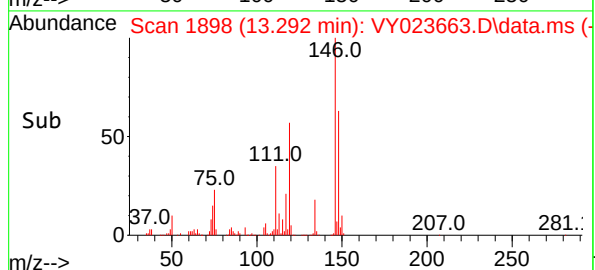
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

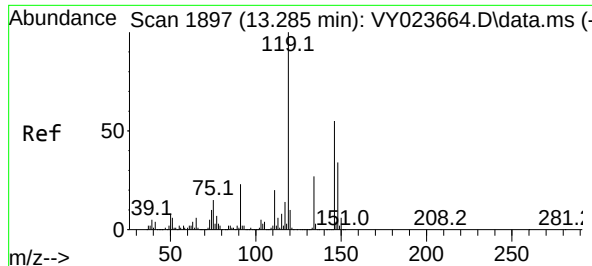


#86
p-Isopropyltoluene
Concen: 19.902 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



Tgt Ion:119 Resp: 441869
Ion Ratio Lower Upper
119 100
134 26.9 13.4 40.2
91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.080 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 25190

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

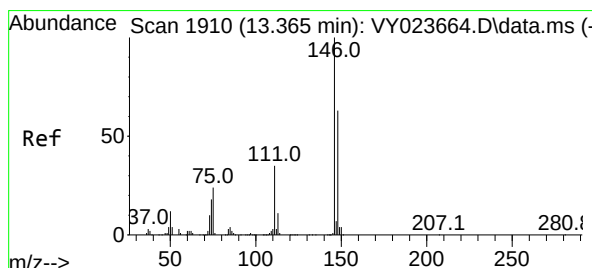
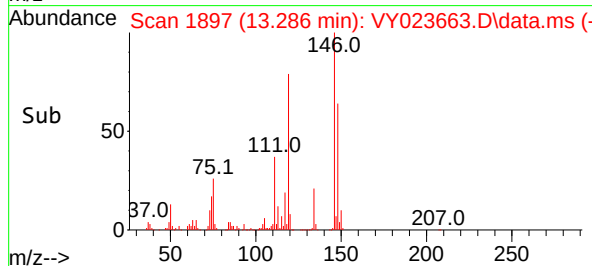
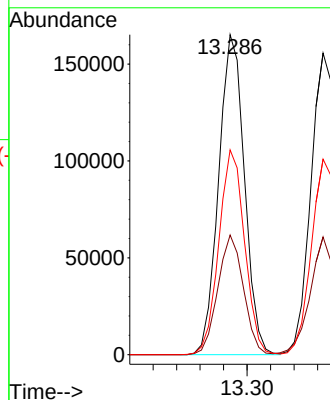
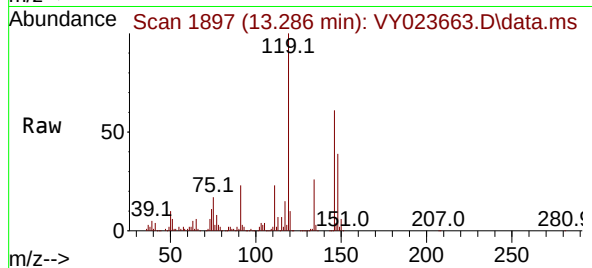
148 63.9 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 19.866 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

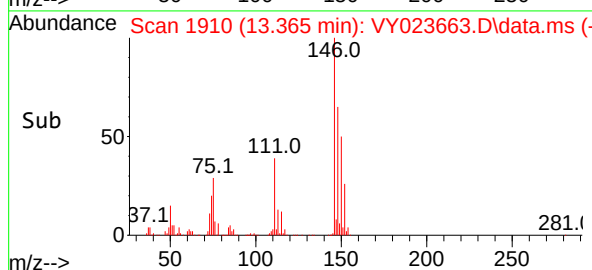
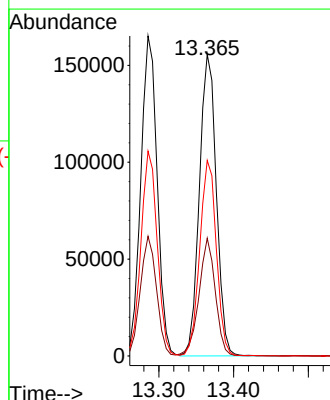
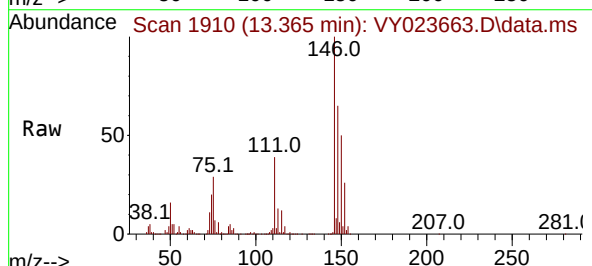
Tgt Ion:146 Resp: 244807

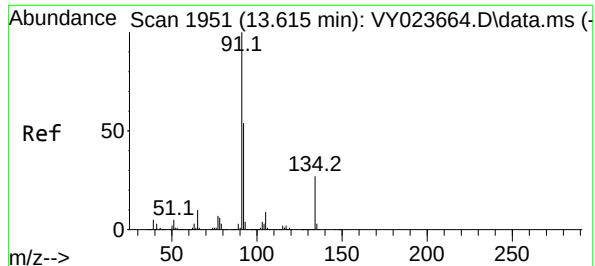
Ion Ratio Lower Upper

146 100

111 37.6 18.3 54.8

148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 19.467 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

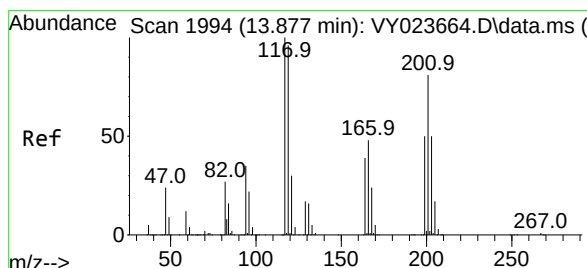
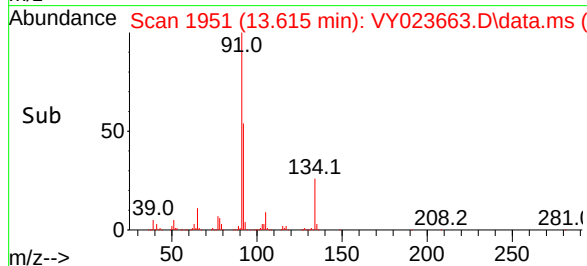
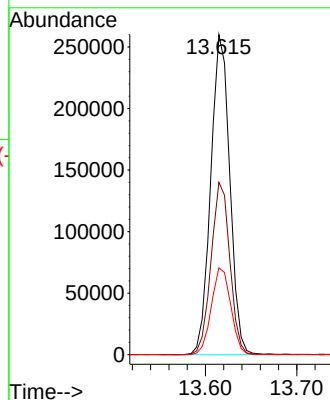
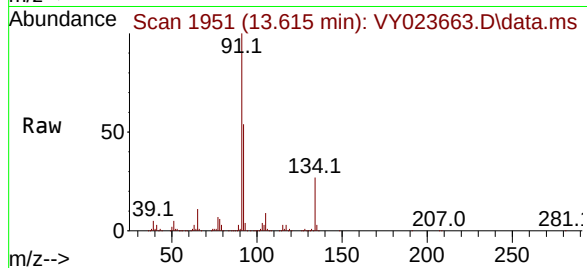
Tgt Ion:	91	Resp:	37584
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	27.7	13.7	41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 19.477 ug/l

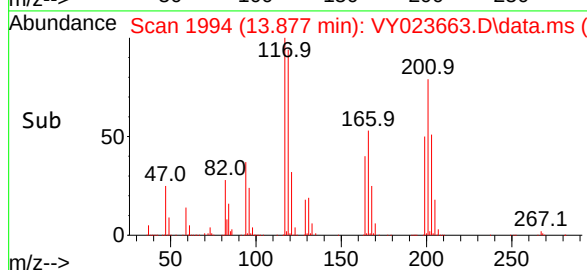
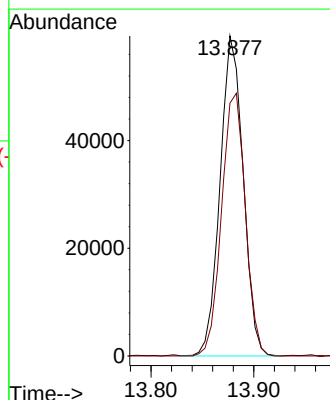
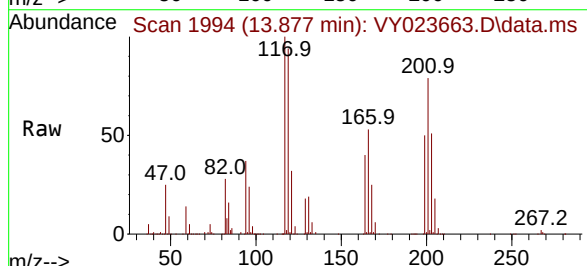
RT: 13.877 min Scan# 1994

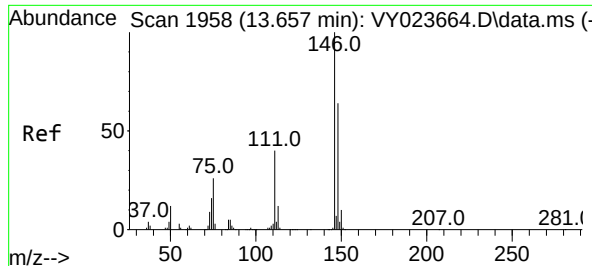
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

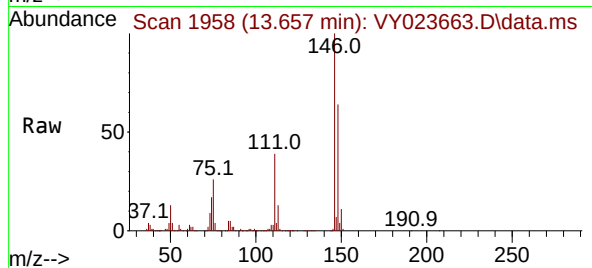
Tgt Ion:	117	Resp:	92928
Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.3	126.8





#91
1,2-Dichlorobenzene
Concen: 20.225 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

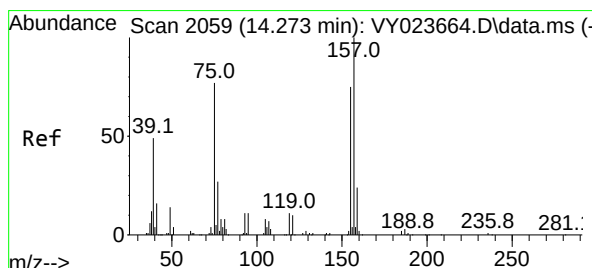
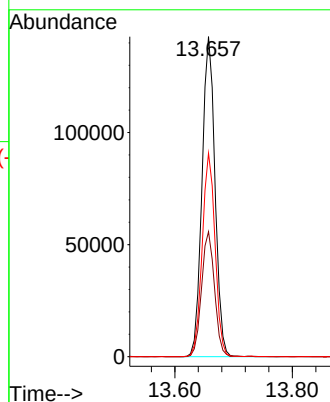
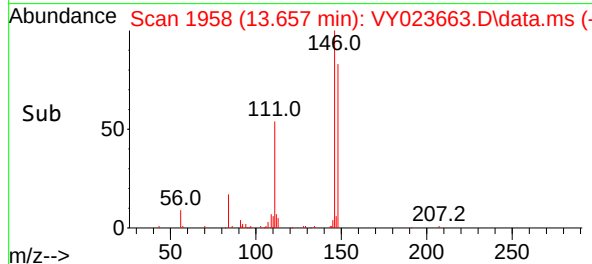
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 218658
Ion Ratio Lower Upper
146 100
111 38.8 19.5 58.5
148 62.9 31.9 95.9

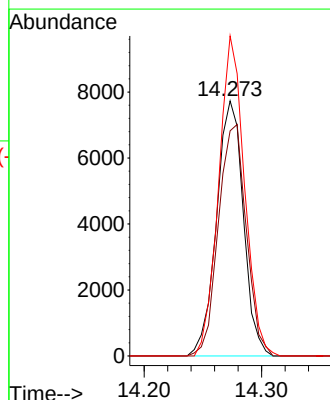
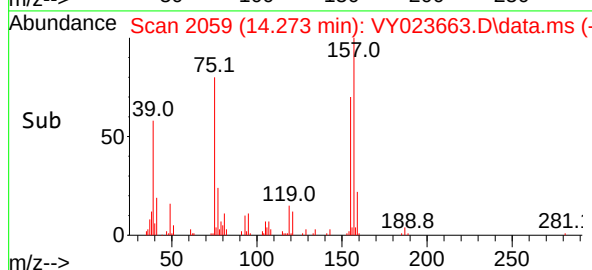
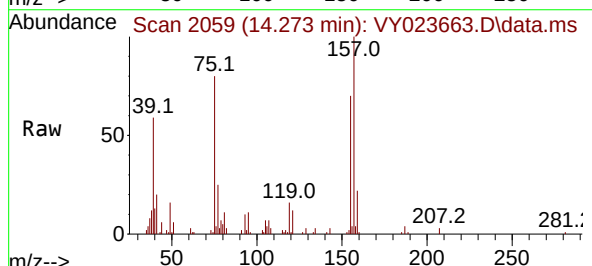
Manual Integrations
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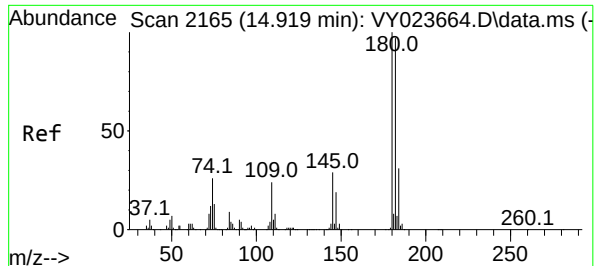
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.289 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

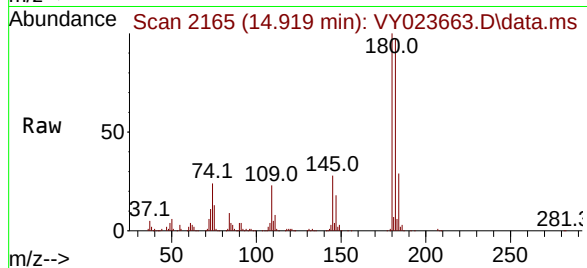
Tgt Ion: 75 Resp: 12260
Ion Ratio Lower Upper
75 100
155 94.0 49.4 148.2
157 120.7 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 19.851 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

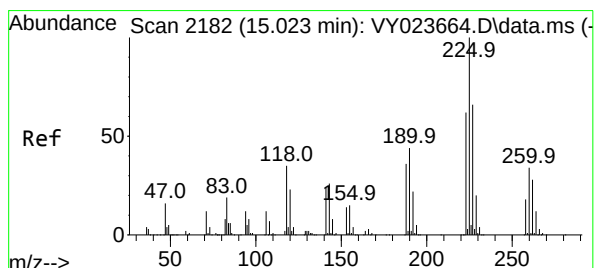
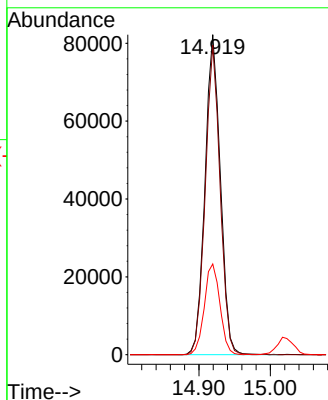
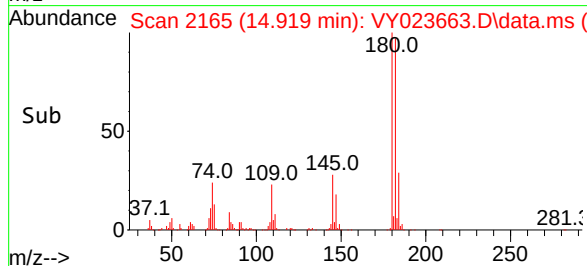
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:180 Resp: 122750
Ion Ratio Lower Upper
180 100
182 93.5 47.5 142.6
145 28.7 14.4 43.4

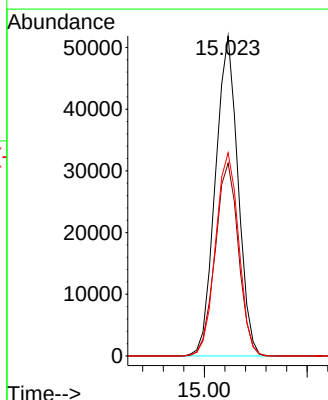
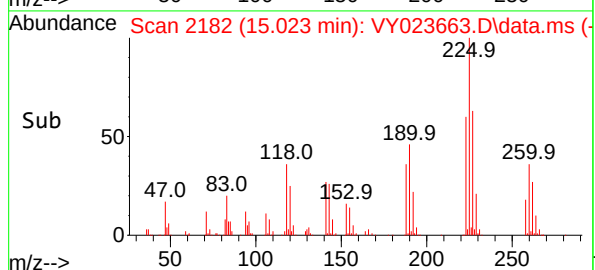
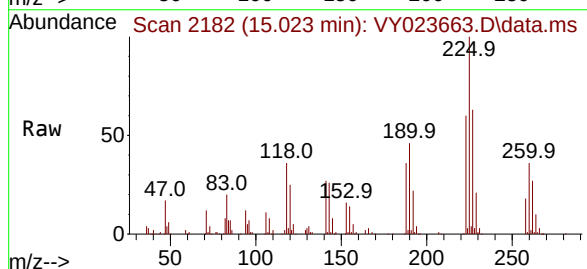
Manual Integrations
APPROVED

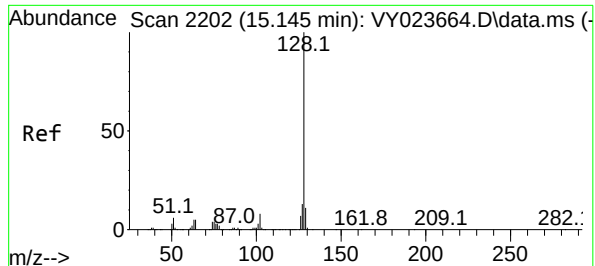
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#94
Hexachlorobutadiene
Concen: 19.507 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

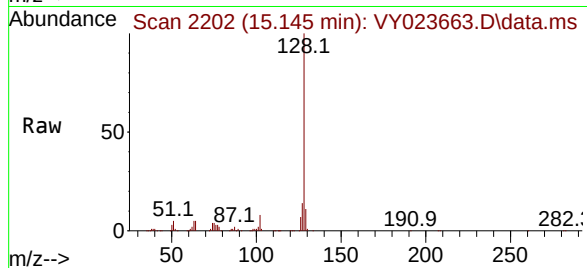
Tgt Ion:225 Resp: 79039
Ion Ratio Lower Upper
225 100
223 62.0 30.8 92.3
227 65.1 32.0 96.2





#95
Naphthalene
Concen: 19.694 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

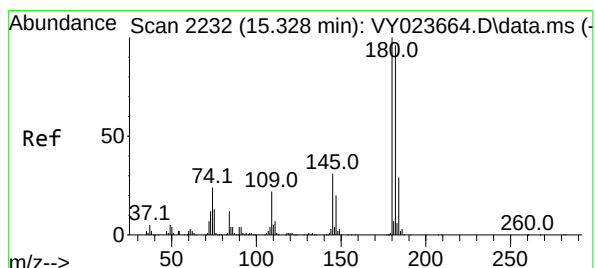
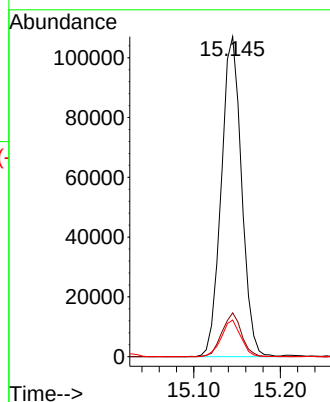
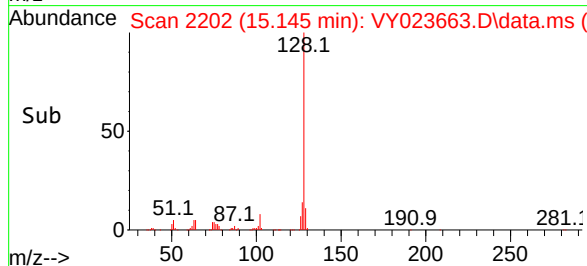
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 174378
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.8 13.2

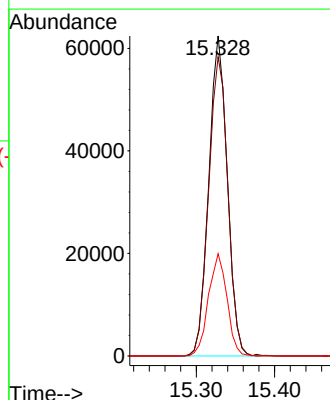
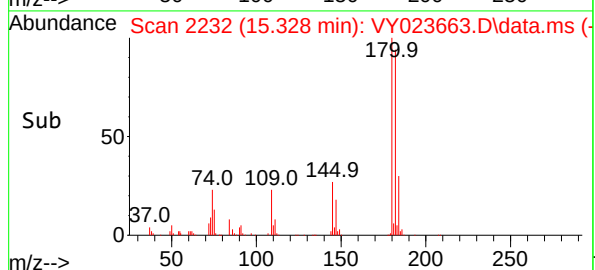
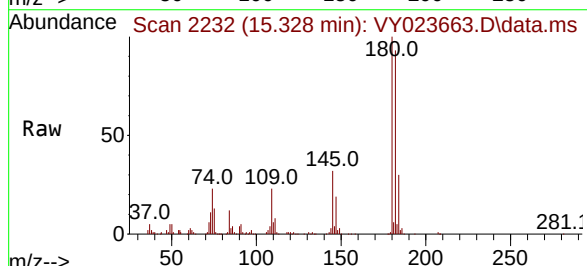
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:180 Resp: 102582
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.6
145 31.8 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023664.D
 Acq On : 04 Nov 2025 10:42
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	575867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	844654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	748313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	234526	47.743	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.634	113	261509	49.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.080%		
50) Toluene-d8	10.109	98	1004143	51.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.140%		
62) 4-Bromofluorobenzene	12.401	95	327509	51.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	158310	41.880	ug/l	100
3) Chloromethane	2.074	50	237663	44.928	ug/l	100
4) Vinyl Chloride	2.208	62	315113	45.779	ug/l	100
5) Bromomethane	2.598	94	255339	44.099	ug/l	100
6) Chloroethane	2.739	64	222257	46.718	ug/l	100
7) Trichlorofluoromethane	3.062	101	448928	46.308	ug/l	100
8) Diethyl Ether	3.458	74	122314	47.049	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	249353	46.685	ug/l	100
10) Methyl Iodide	4.007	142	329865	52.300	ug/l	100
11) Tert butyl alcohol	4.866	59	65929	208.147	ug/l	100
12) 1,1-Dichloroethene	3.793	96	242599	47.151	ug/l	100
13) Acrolein	3.653	56	85009	208.809	ug/l	100
14) Allyl chloride	4.385	41	303471	48.458	ug/l	100
15) Acrylonitrile	5.061	53	234014	235.546	ug/l	100
16) Acetone	3.866	43	272077	222.826	ug/l	100
17) Carbon Disulfide	4.110	76	741781	46.973	ug/l	100
18) Methyl Acetate	4.385	43	121078	44.957	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	580730	48.676	ug/l	100
20) Methylene Chloride	4.616	84	264862	44.934	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	280571	48.364	ug/l	100
22) Diisopropyl ether	6.025	45	703596	50.420	ug/l	100
23) Vinyl Acetate	5.964	43	1877953	252.183	ug/l	100
24) 1,1-Dichloroethane	5.915	63	446287	48.007	ug/l	100
25) 2-Butanone	6.896	43	319404	226.250	ug/l	100
26) 2,2-Dichloropropane	6.890	77	408039	47.716	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	322689	48.703	ug/l	100
28) Bromochloromethane	7.244	49	167148	46.958	ug/l	100
29) Tetrahydrofuran	7.262	42	178179	236.990	ug/l	100
30) Chloroform	7.421	83	497055	47.921	ug/l	100
31) Cyclohexane	7.701	56	381239	47.090	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442659	47.750	ug/l	100
36) 1,1-Dichloropropene	7.835	75	345431	48.973	ug/l	100
37) Ethyl Acetate	6.982	43	130827	47.912	ug/l	100
38) Carbon Tetrachloride	7.817	117	402944	48.486	ug/l	100
39) Methylcyclohexane	9.109	83	454885	50.473	ug/l	100
40) Benzene	8.079	78	1087048	48.893	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023664.D
 Acq On : 04 Nov 2025 10:42
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	71198	48.884	ug/l	100
42) 1,2-Dichloroethane	8.158	62	270723	48.130	ug/l	100
43) Isopropyl Acetate	8.195	43	249080	48.549	ug/l	100
44) Trichloroethene	8.866	130	308925	48.377	ug/l	100
45) 1,2-Dichloropropane	9.140	63	239811	48.873	ug/l	100
46) Dibromomethane	9.231	93	146001	48.022	ug/l	100
47) Bromodichloromethane	9.420	83	374866	48.904	ug/l	100
48) Methyl methacrylate	9.219	41	122935	50.717	ug/l	100
49) 1,4-Dioxane	9.231	88	30413	977.461	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	667795	244.757	ug/l	100
52) Toluene	10.170	92	721090	50.801	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	326566	50.350	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	391126	50.333	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	197468	48.601	ug/l	100
56) Ethyl methacrylate	10.438	69	233410	52.139	ug/l	100
57) 1,3-Dichloropropane	10.719	76	317296	49.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	538181	261.987	ug/l	100
59) 2-Hexanone	10.762	43	483563	242.927	ug/l	100
60) Dibromochloromethane	10.908	129	275217	49.299	ug/l	100
61) 1,2-Dibromoethane	11.011	107	187108	49.070	ug/l	100
64) Tetrachloroethene	10.646	164	383425	49.228	ug/l	100
65) Chlorobenzene	11.438	112	798384	49.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	282049	48.962	ug/l	100
67) Ethyl Benzene	11.517	91	1352193	51.285	ug/l	100
68) m/p-Xylenes	11.627	106	1088606	103.340	ug/l	100
69) o-Xylene	11.956	106	504648	51.824	ug/l	100
70) Styrene	11.969	104	838808	52.208	ug/l	100
71) Bromoform	12.133	173	163771	48.678	ug/l	100
73) Isopropylbenzene	12.255	105	1311582	51.752	ug/l	100
74) N-amyl acetate	12.066	43	218665	50.962	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	190486	47.061	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	141409m	46.111	ug/l	
77) Bromobenzene	12.530	156	326732	49.702	ug/l	100
78) n-propylbenzene	12.597	91	1548019	51.929	ug/l	100
79) 2-Chlorotoluene	12.676	91	881152	50.938	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1073705	52.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	65310	48.129	ug/l	100
82) 4-Chlorotoluene	12.773	91	904469	50.699	ug/l	100
83) tert-Butylbenzene	12.993	119	969322	51.686	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1068009	52.367	ug/l	100
85) sec-Butylbenzene	13.176	105	1392655	51.485	ug/l	100
86) p-Isopropyltoluene	13.292	119	1199869	52.399	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	641830	49.605	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	625847	49.241	ug/l	100
89) n-Butylbenzene	13.615	91	1042799	52.370	ug/l	100
90) Hexachloroethane	13.877	117	242026	49.183	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	550837	49.400	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28889	46.355	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	323218	50.677	ug/l	100
94) Hexachlorobutadiene	15.023	225	209077	50.032	ug/l	100
95) Naphthalene	15.145	128	491886	44.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	271777	51.002	ug/l	100

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Data File : VY023664.D
Acq On : 04 Nov 2025 10:42
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

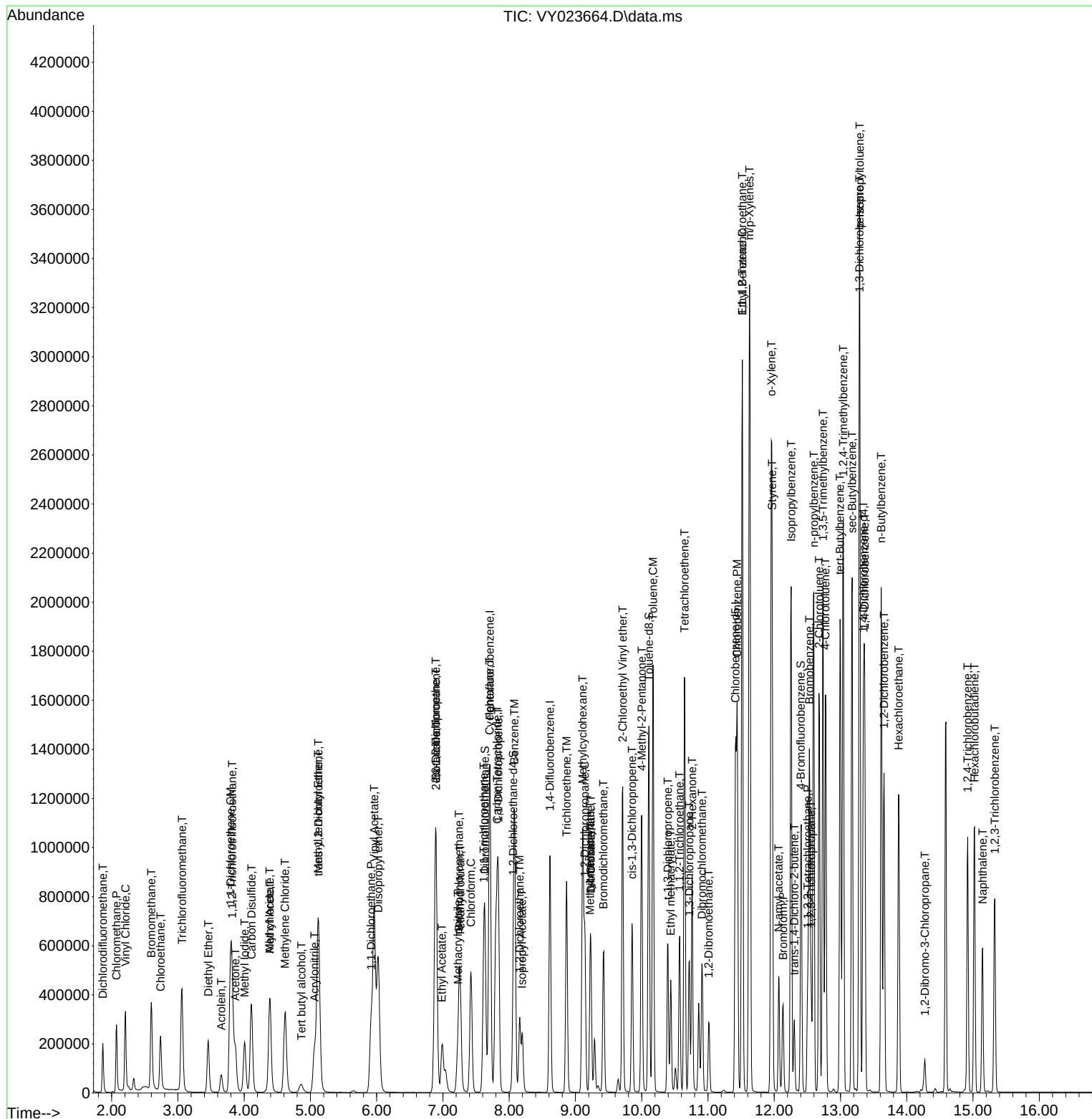
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

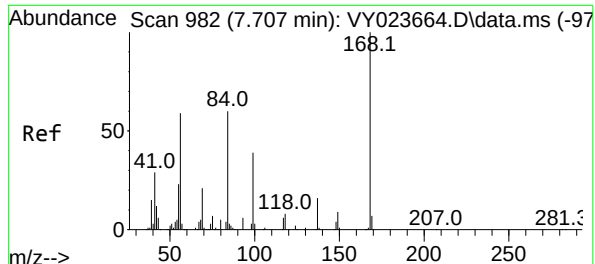
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

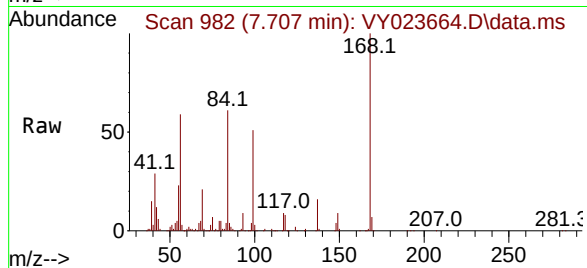
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

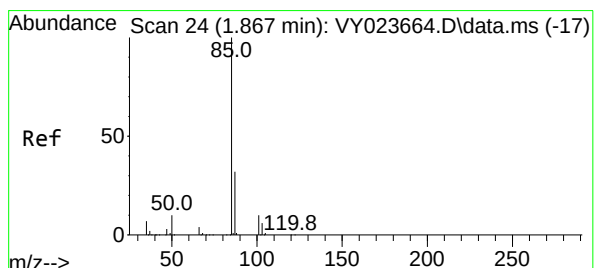
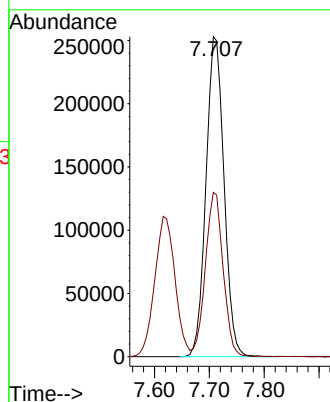
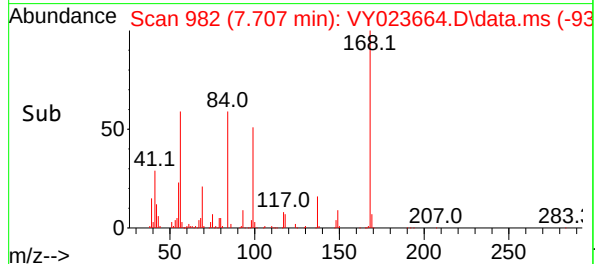
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 57586
Ion Ratio Lower Upper
168 100
99 51.2 41.0 61.4

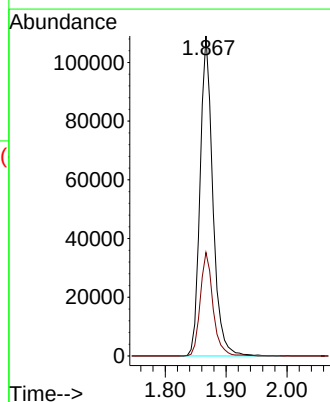
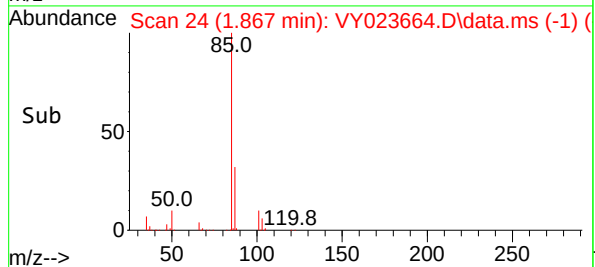
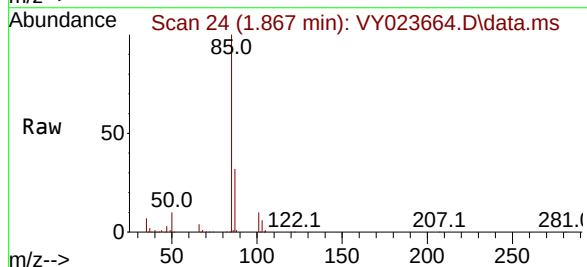
Manual Integrations
APPROVED

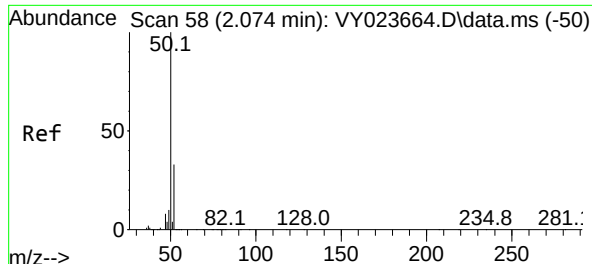
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 41.880 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

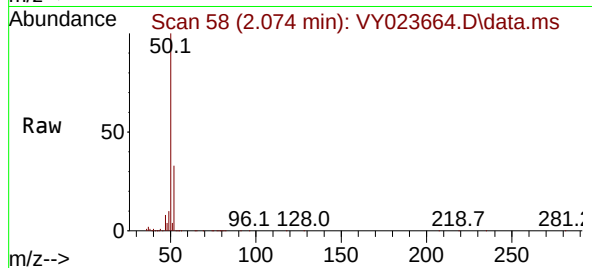
Tgt Ion: 85 Resp: 158310
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6





#3
Chloromethane
Concen: 44.928 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

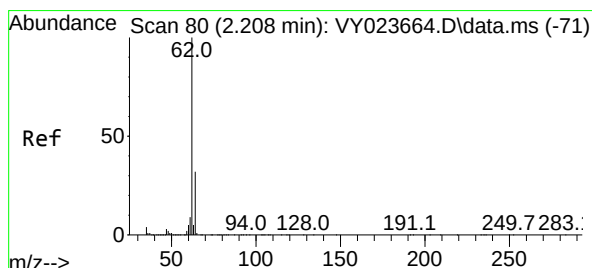
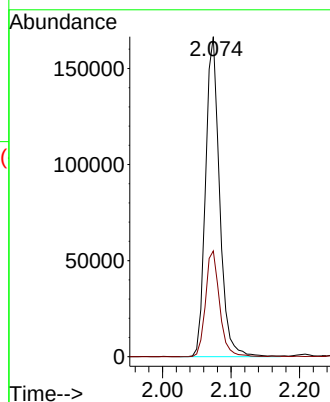
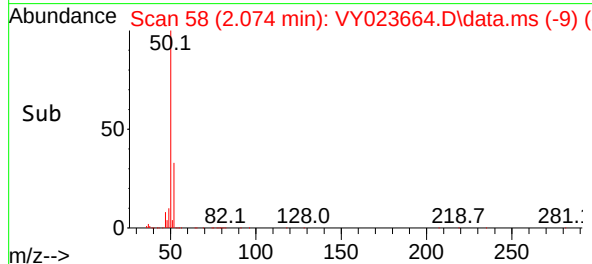
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



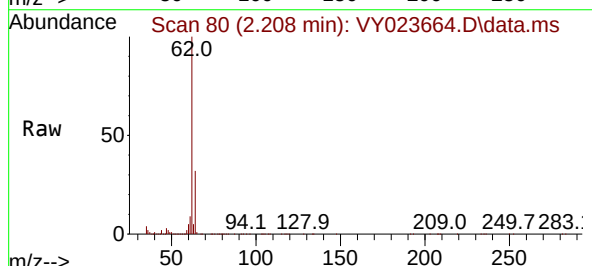
Tgt Ion: 50 Resp: 237663
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

Manual Integrations
APPROVED

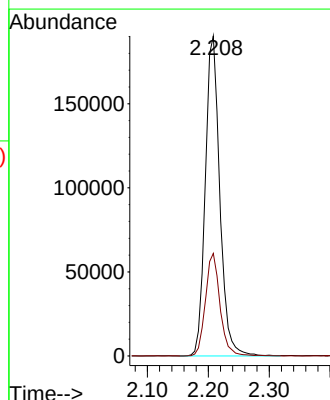
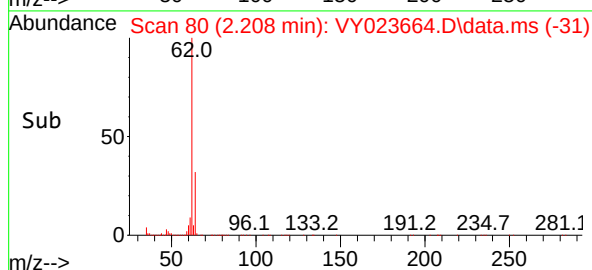
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

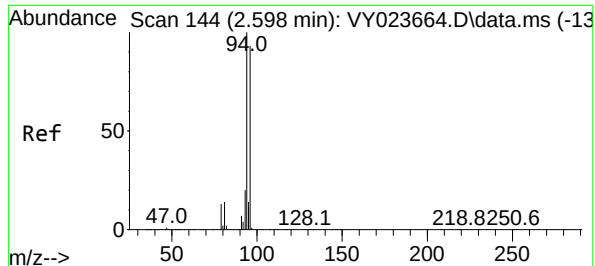


#4
Vinyl Chloride
Concen: 45.779 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



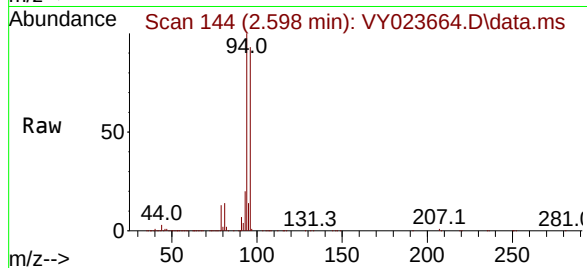
Tgt Ion: 62 Resp: 315113
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





#5
Bromomethane
Concen: 44.099 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

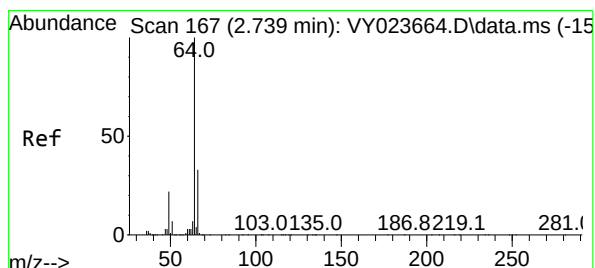
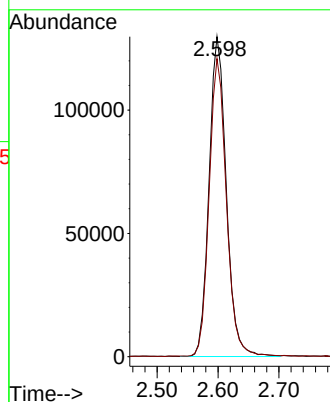
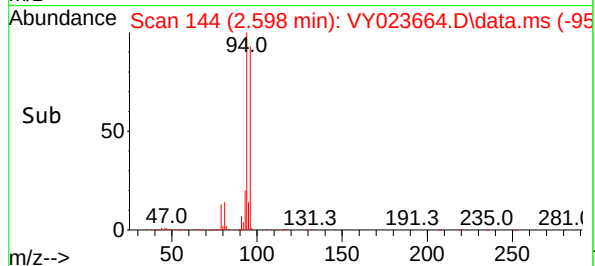
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 255339
Ion Ratio Lower Upper
94 100
96 93.0 74.4 111.6

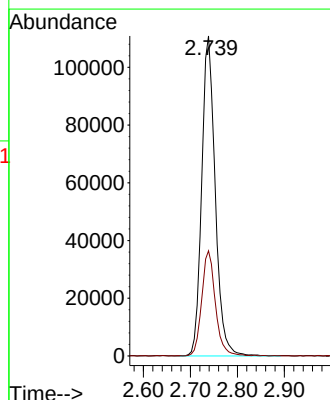
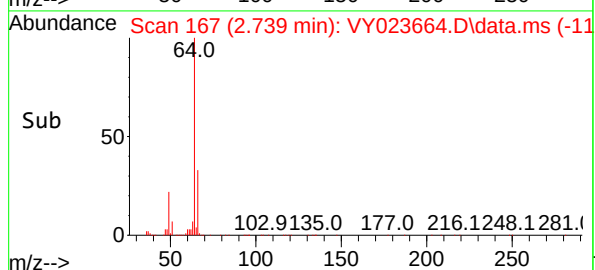
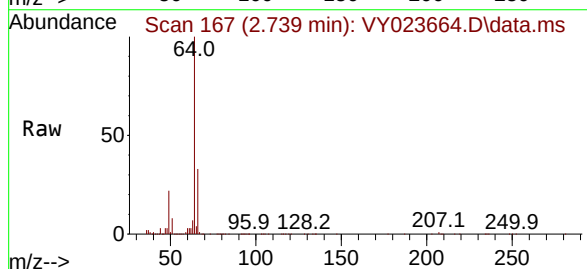
Manual Integrations
APPROVED

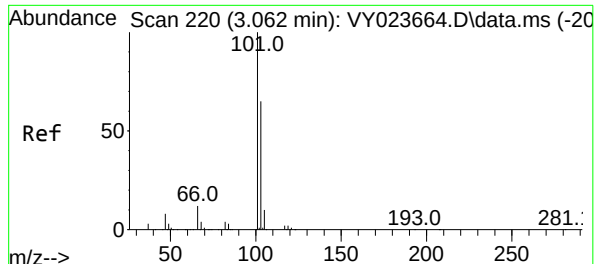
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 46.718 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

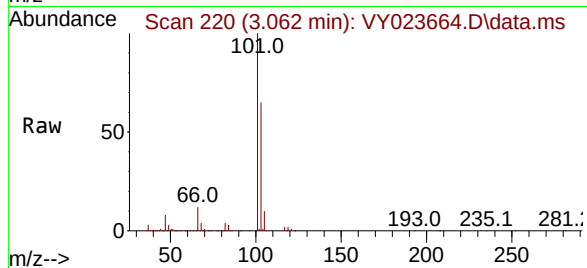
Tgt Ion: 64 Resp: 222257
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 46.308 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

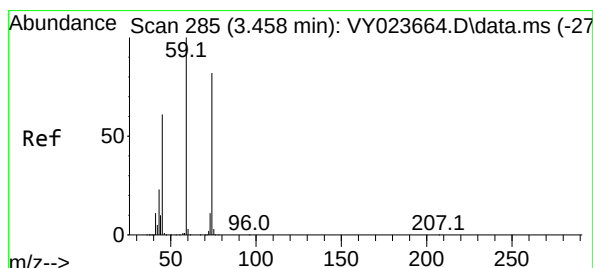
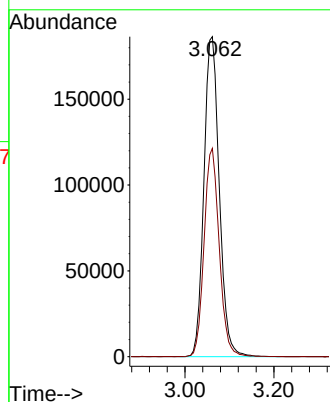
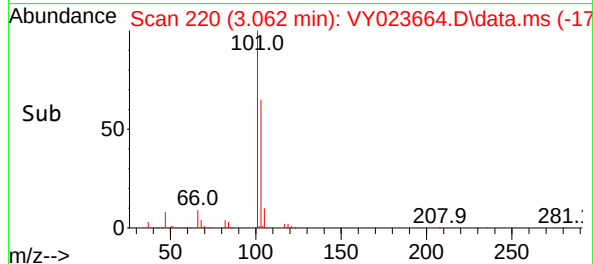
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 448928
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

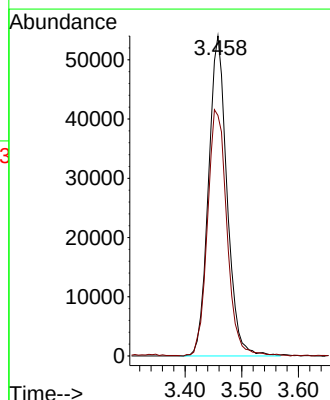
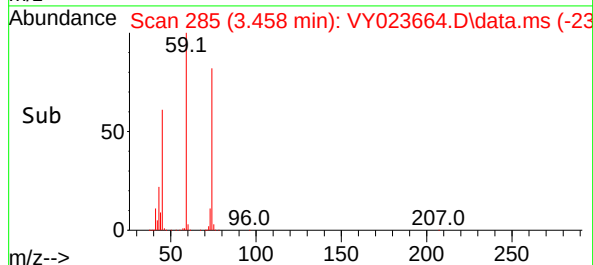
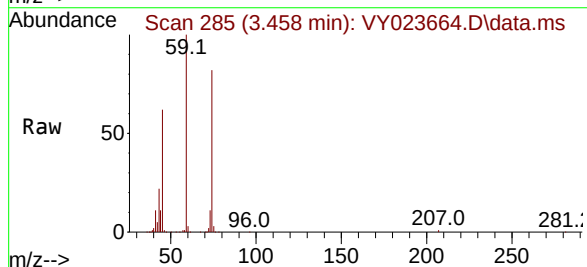
Manual Integrations
APPROVED

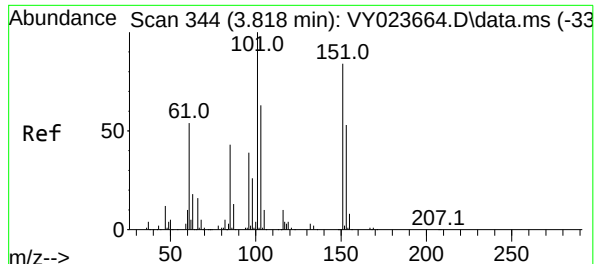
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 47.049 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 74 Resp: 122314
Ion Ratio Lower Upper
74 100
45 81.1 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.685 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 24935

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

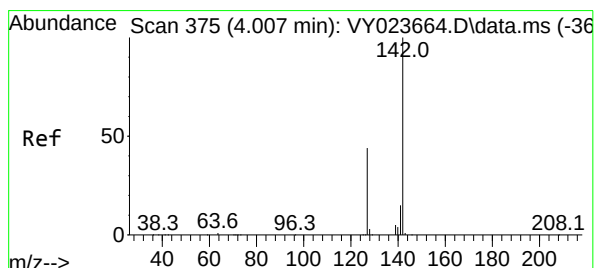
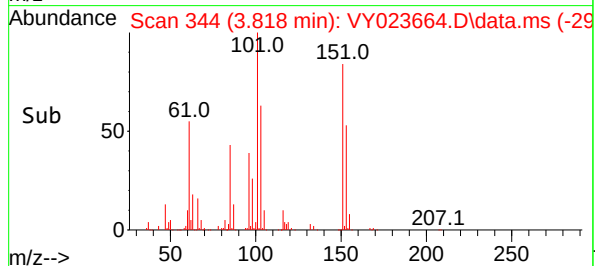
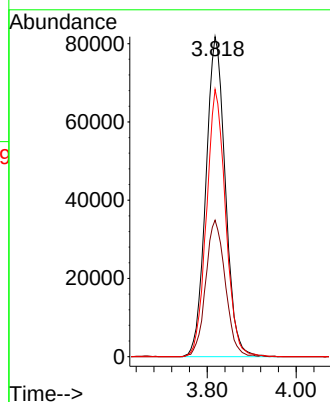
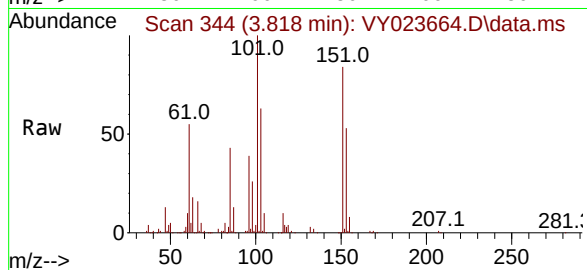
151 82.0 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 52.300 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

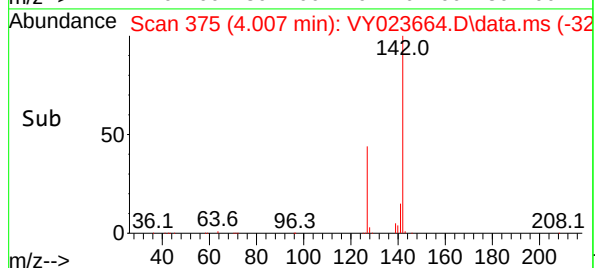
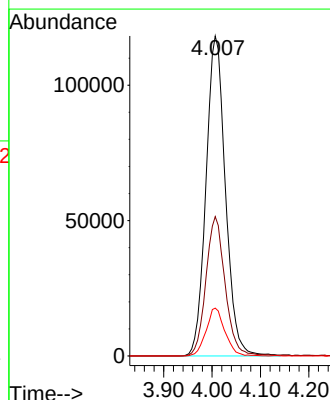
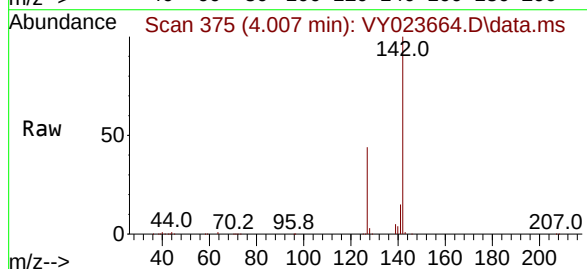
Tgt Ion:142 Resp: 329865

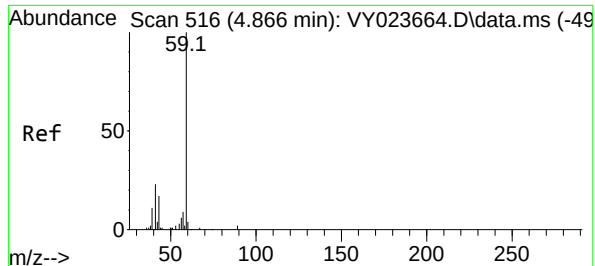
Ion Ratio Lower Upper

142 100

127 43.2 34.6 51.8

141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 208.147 ug/l

RT: 4.866 min Scan# 516

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 65929

Ion Ratio Lower Upper

59 100

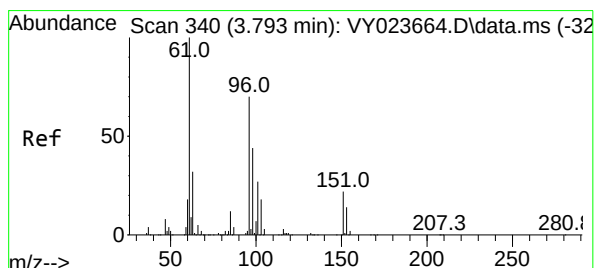
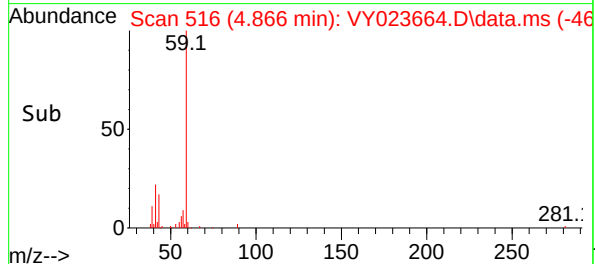
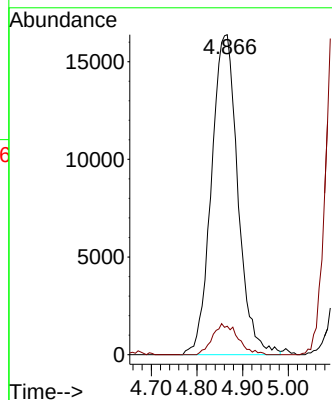
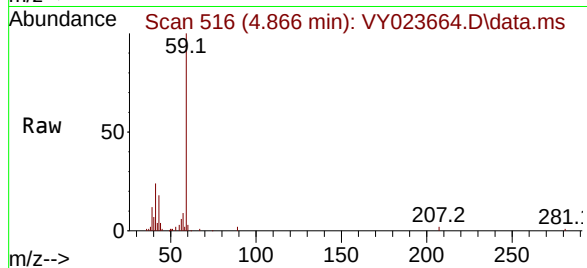
57 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 47.151 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

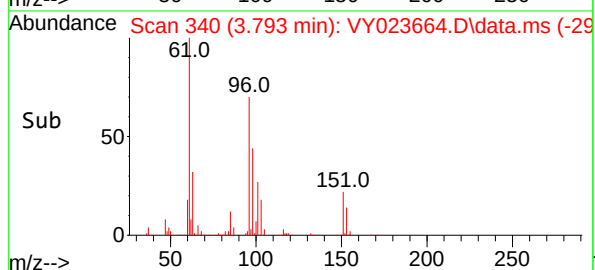
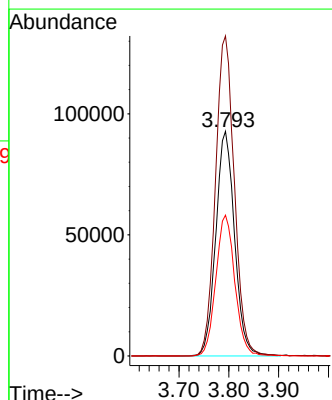
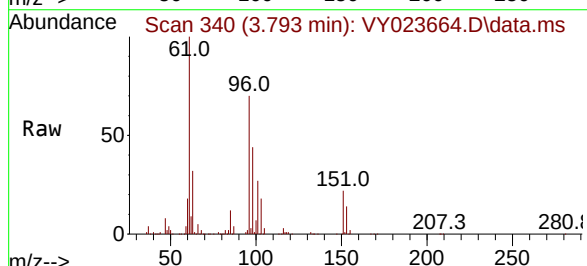
Tgt Ion: 96 Resp: 242599

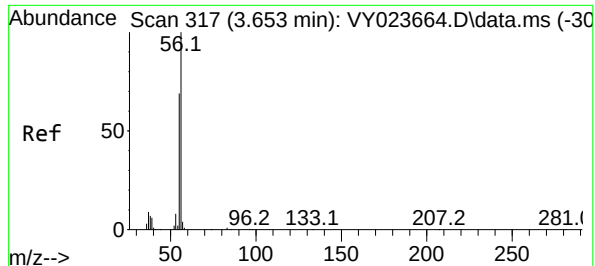
Ion Ratio Lower Upper

96 100

61 142.5 114.0 171.0

98 62.7 50.2 75.2





#13

Acrolein

Concen: 208.809 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 85009

Ion Ratio Lower Upper

56 100

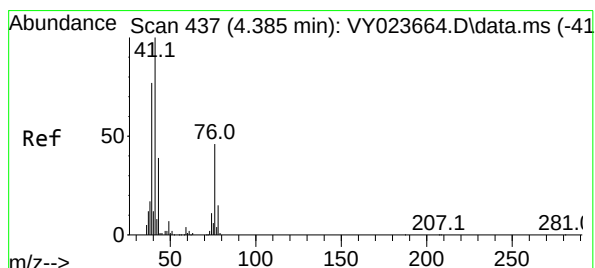
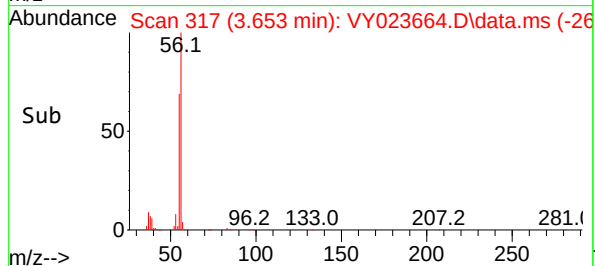
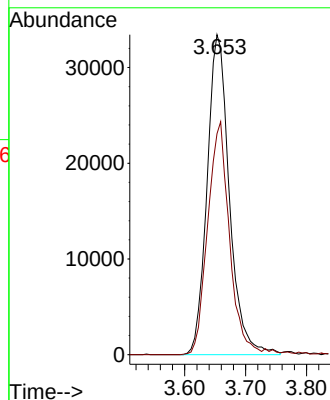
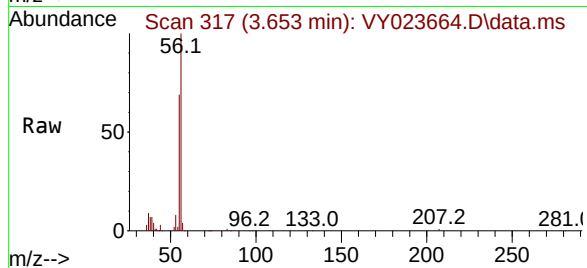
55 70.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 48.458 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

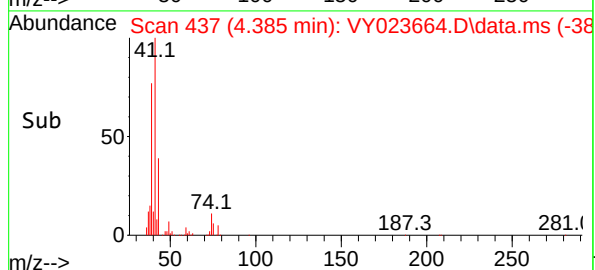
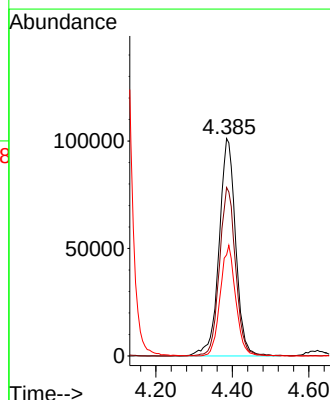
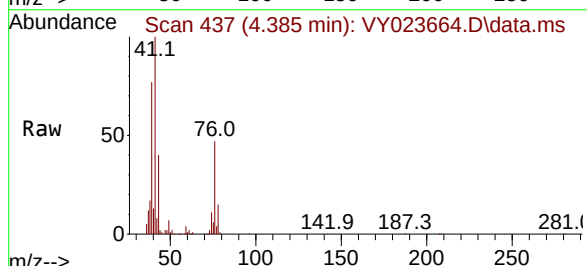
Tgt Ion: 41 Resp: 303471

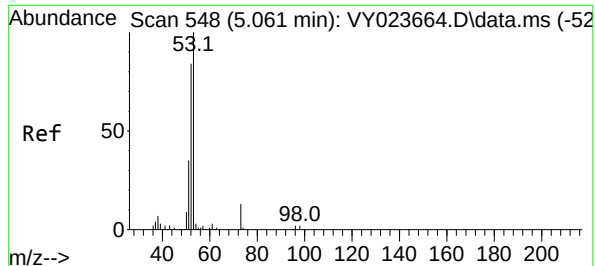
Ion Ratio Lower Upper

41 100

39 75.5 60.4 90.6

76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 235.546 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 234014

Ion Ratio Lower Upper

53 100

52 81.1 64.9 97.3

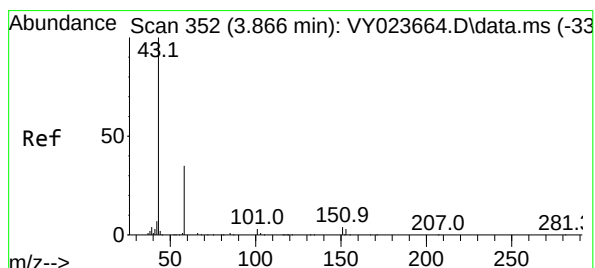
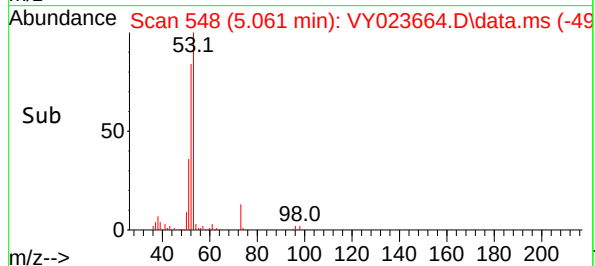
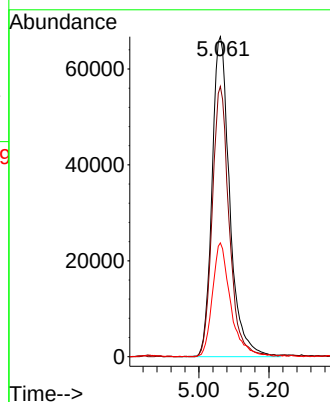
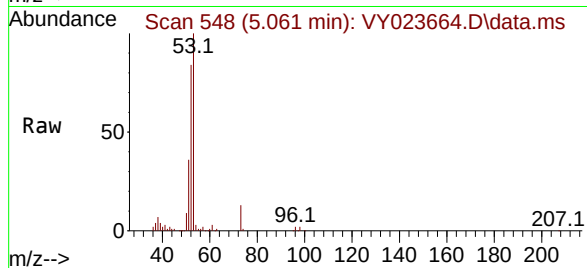
51 36.7 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 222.826 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023664.D

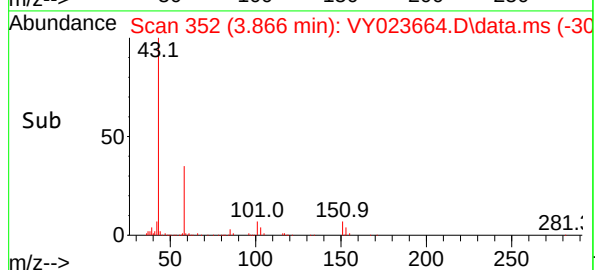
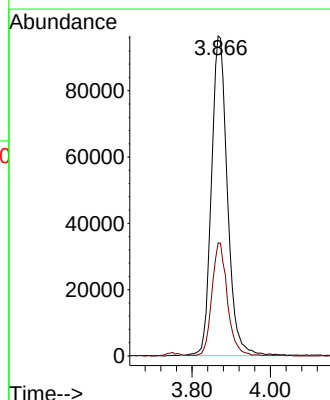
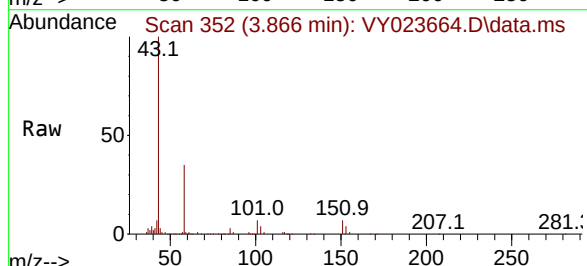
Acq: 04 Nov 2025 10:42

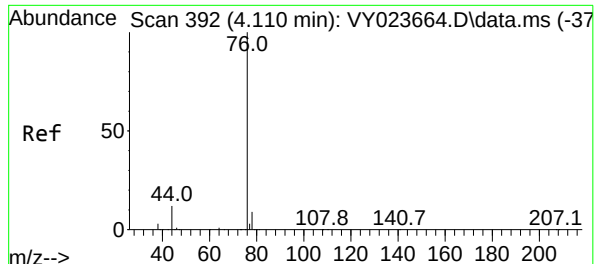
Tgt Ion: 43 Resp: 272077

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.4





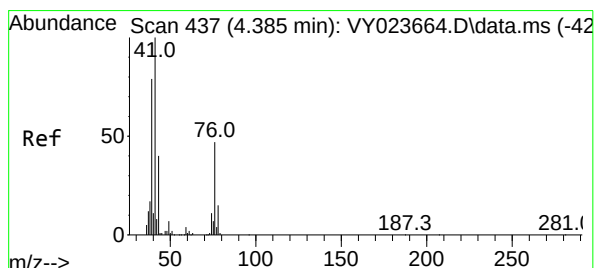
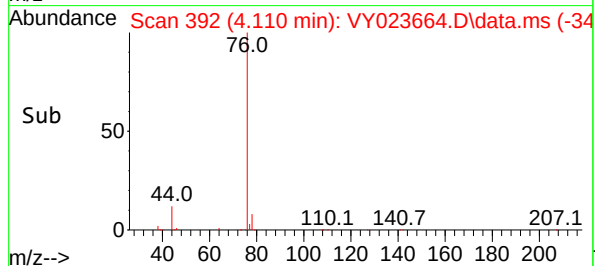
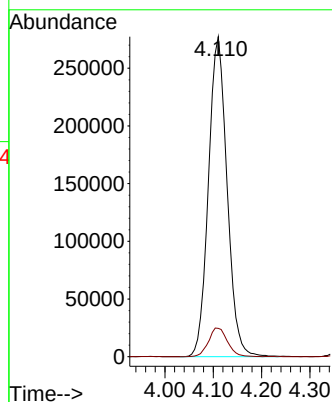
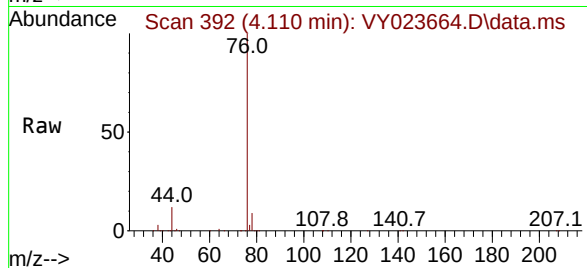
#17
Carbon Disulfide
Concen: 46.973 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 74178
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

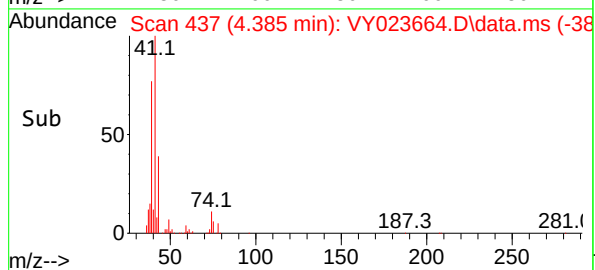
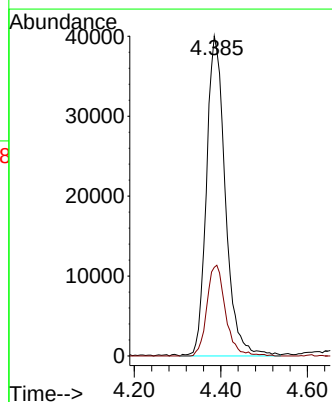
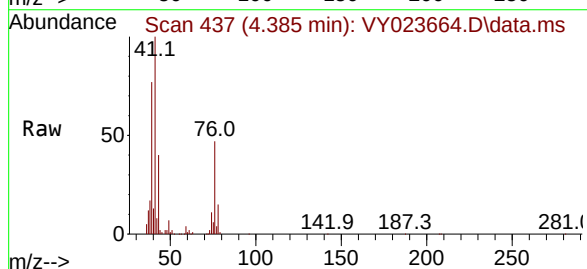
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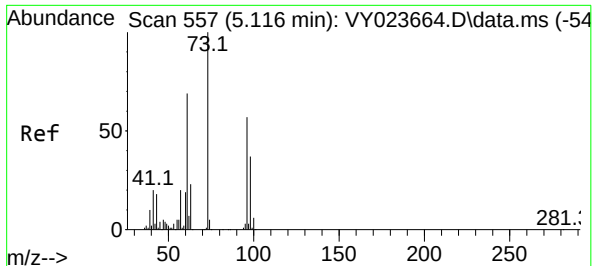
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 44.957 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 43 Resp: 121078
Ion Ratio Lower Upper
43 100
74 28.1 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 48.676 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 580730

Ion Ratio Lower Upper

73 100

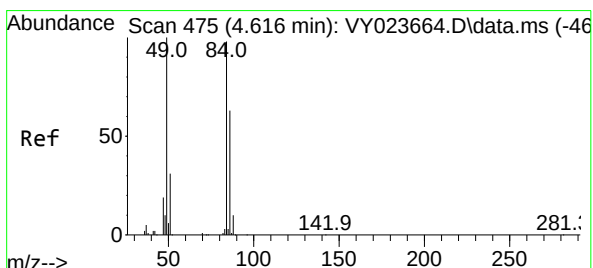
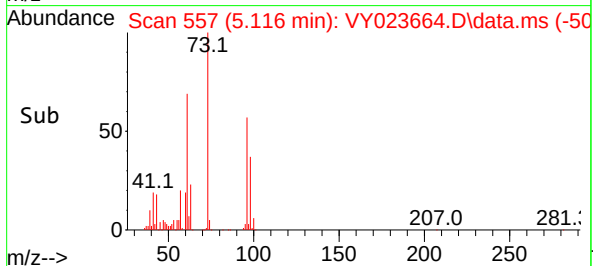
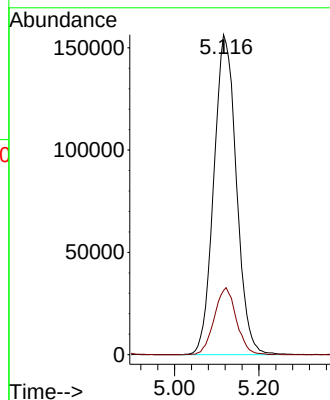
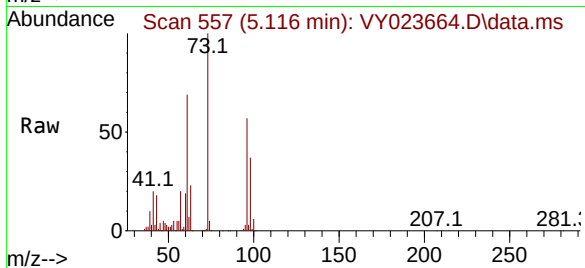
57 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 44.934 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Tgt Ion: 84 Resp: 264862

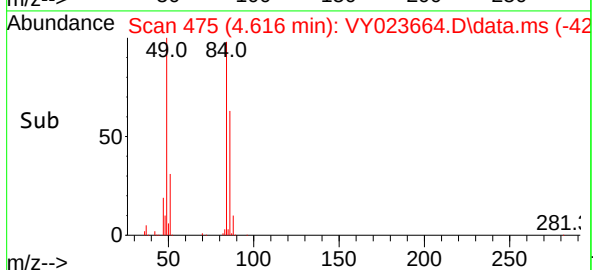
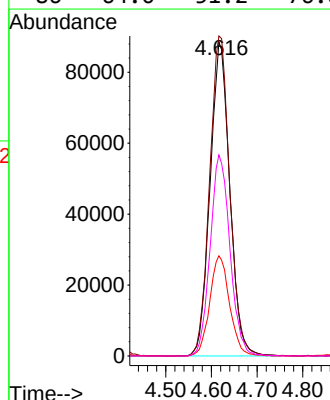
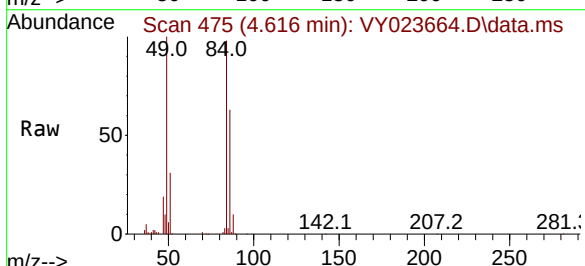
Ion Ratio Lower Upper

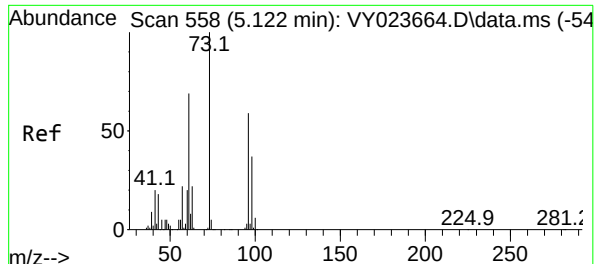
84 100

49 101.9 81.5 122.3

51 31.9 25.5 38.3

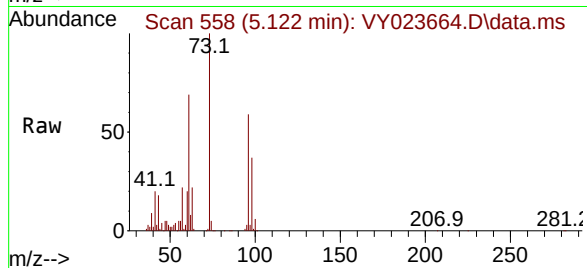
86 64.0 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 48.364 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

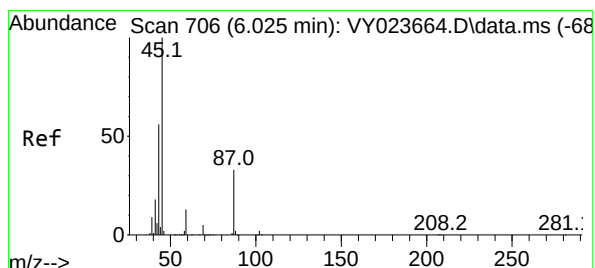
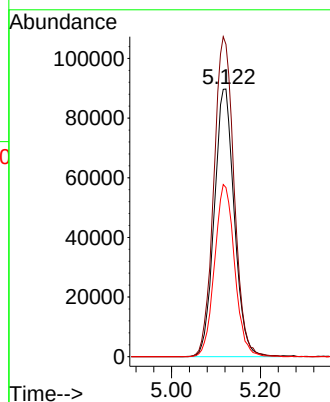
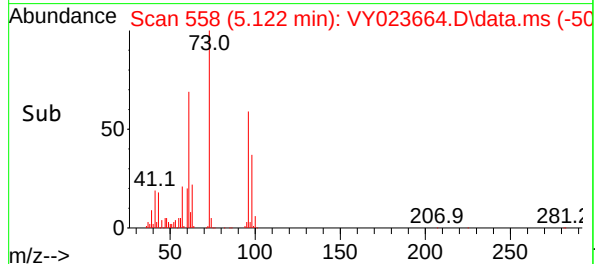
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 28057
Ion Ratio Lower Upper
96 100
61 116.6 93.3 139.9
98 63.2 50.6 75.8

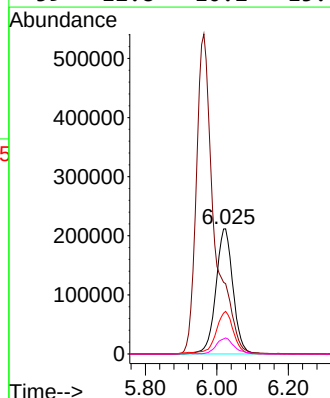
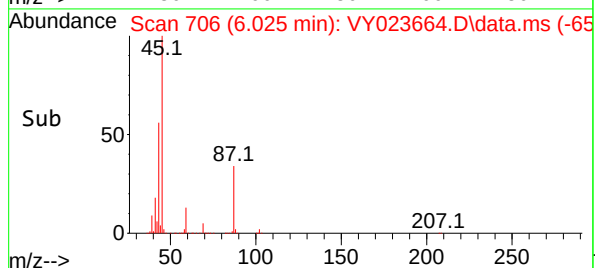
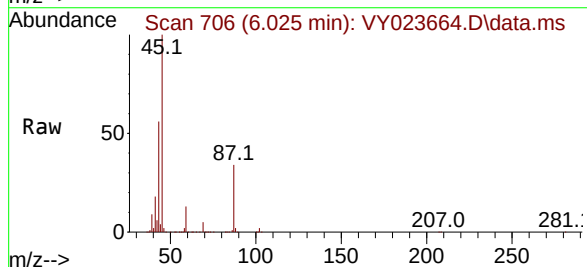
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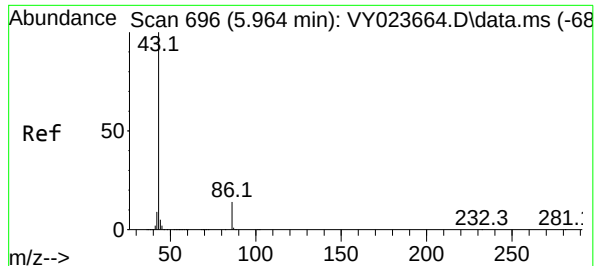
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 50.420 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 45 Resp: 703596
Ion Ratio Lower Upper
45 100
43 55.9 44.7 67.1
87 34.0 27.2 40.8
59 12.8 10.2 15.4





#23

Vinyl Acetate

Concen: 252.183 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 187795

Ion Ratio Lower Upper

43

100

86

13.6

10.9

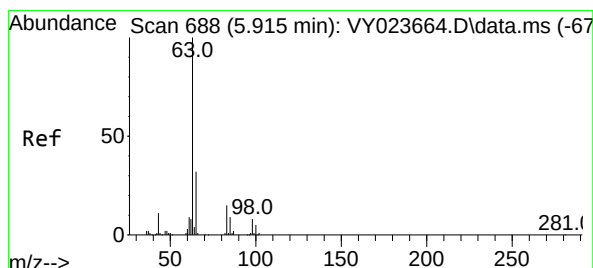
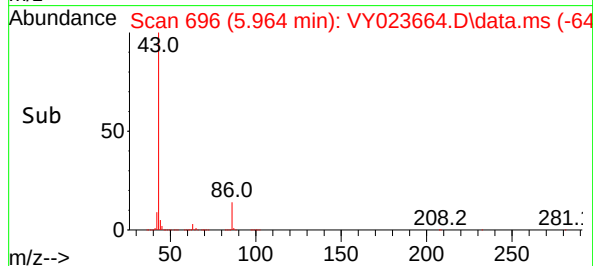
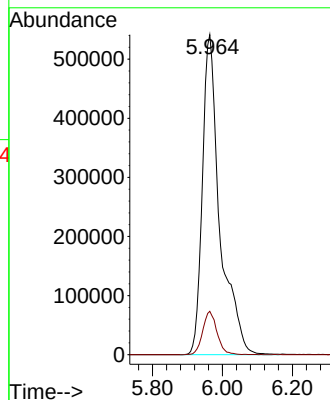
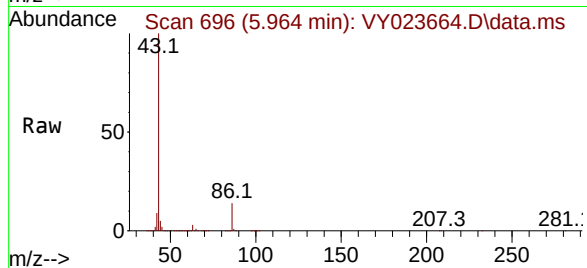
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 48.007 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Tgt Ion: 63 Resp: 446287

Ion Ratio Lower Upper

63

100

98

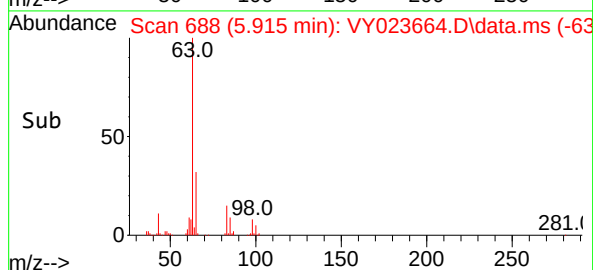
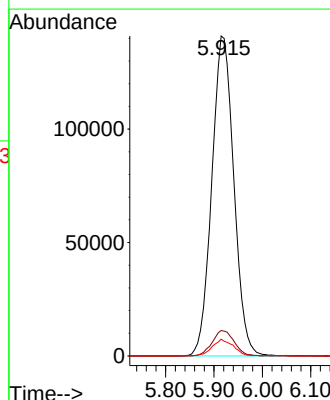
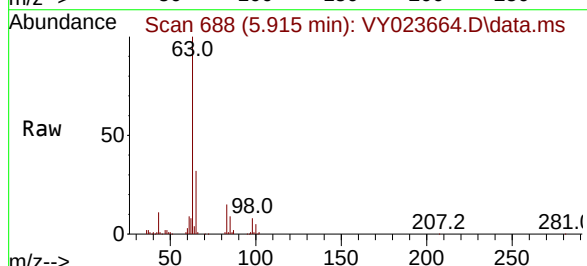
7.9

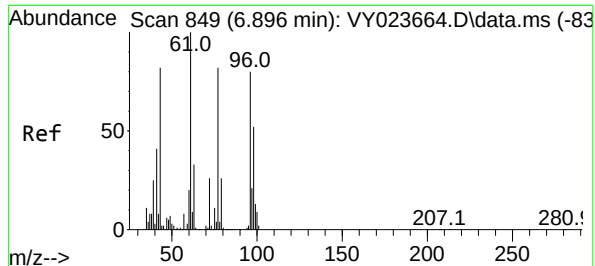
100

5.2

2.6

7.8





#25

2-Butanone

Concen: 226.250 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 319404

Ion Ratio Lower Upper

43 100

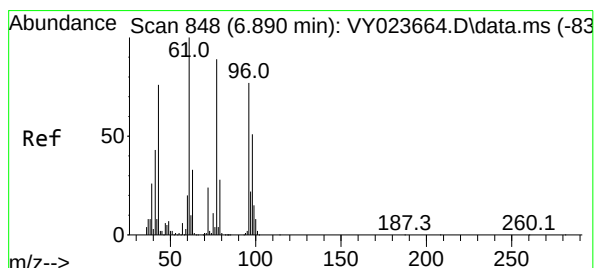
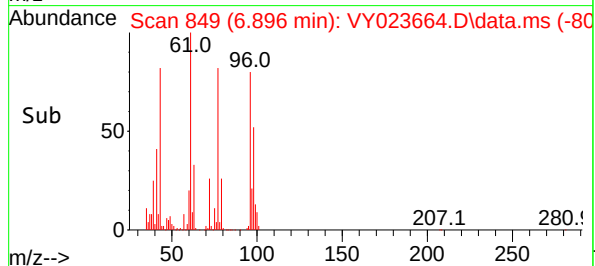
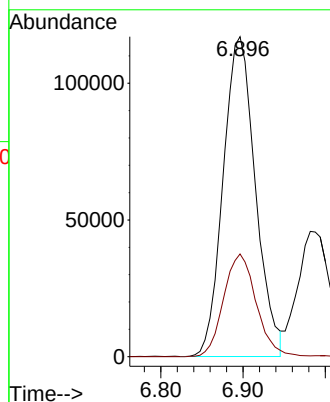
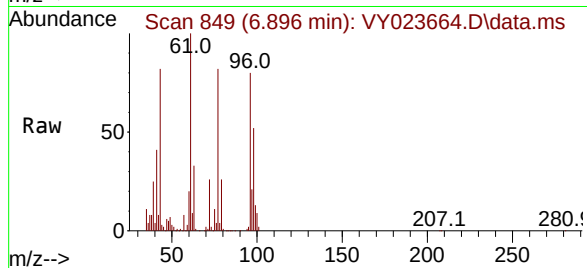
72 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 47.716 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023664.D

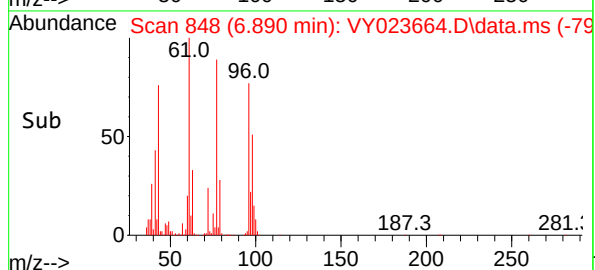
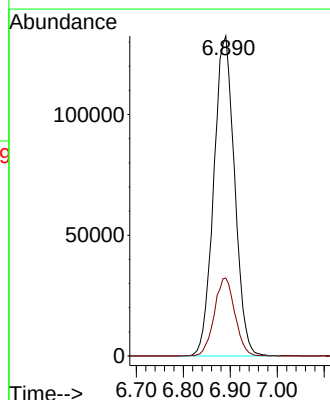
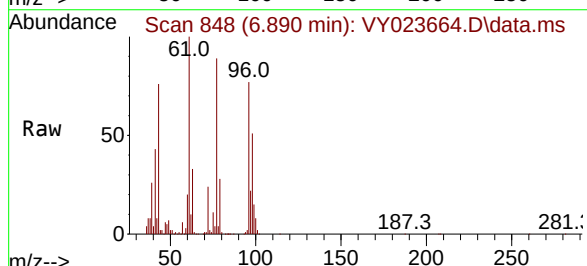
Acq: 04 Nov 2025 10:42

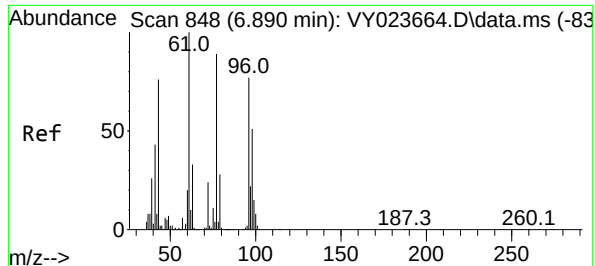
Tgt Ion: 77 Resp: 408039

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 48.703 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 322689

Ion Ratio Lower Upper

96 100

61 127.5 0.0 255.0

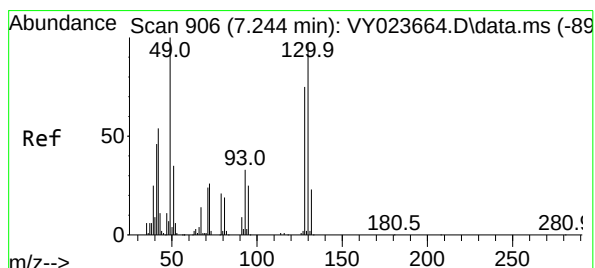
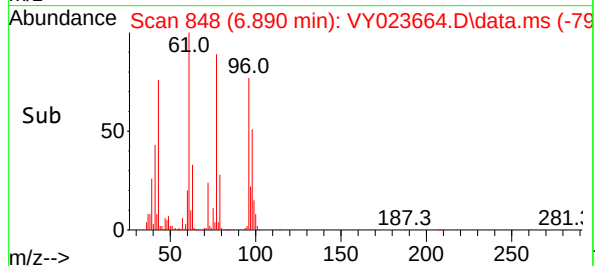
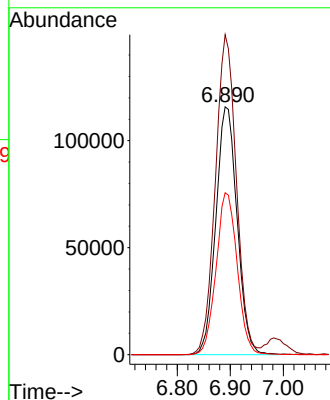
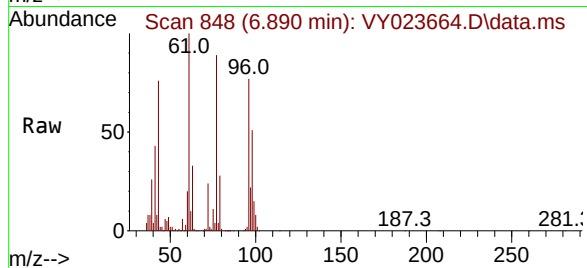
98 64.9 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 46.958 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

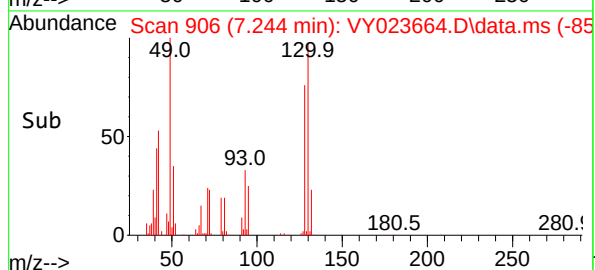
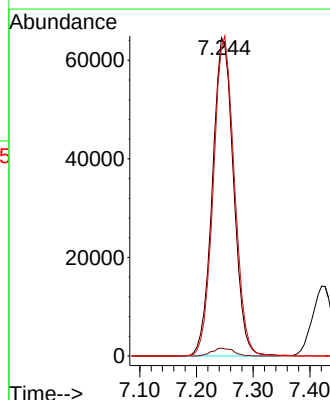
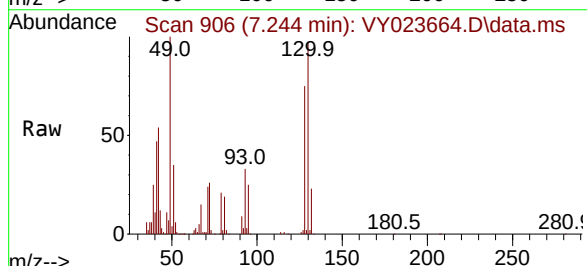
Tgt Ion: 49 Resp: 167148

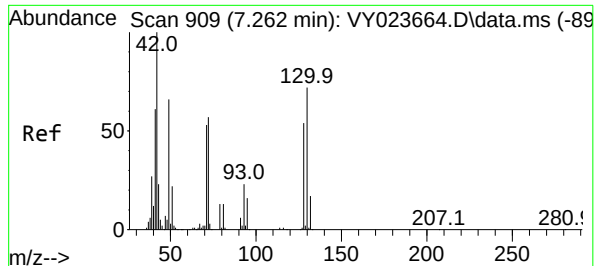
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 100.1 80.1 120.1





#29

Tetrahydrofuran

Concen: 236.990 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 178179

Ion Ratio Lower Upper

42 100

72 54.3 43.4 65.2

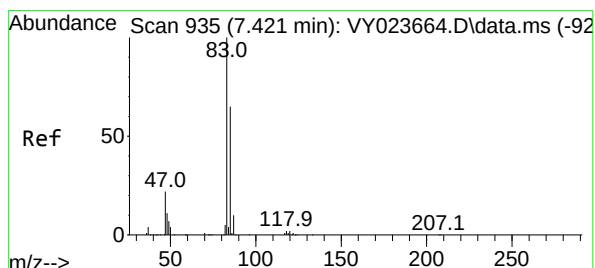
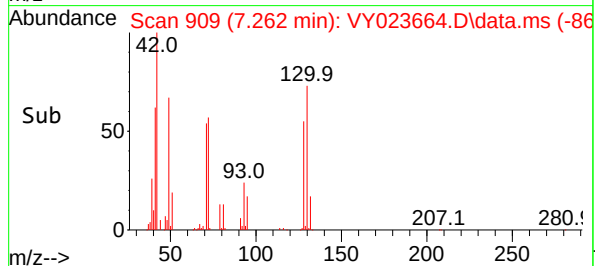
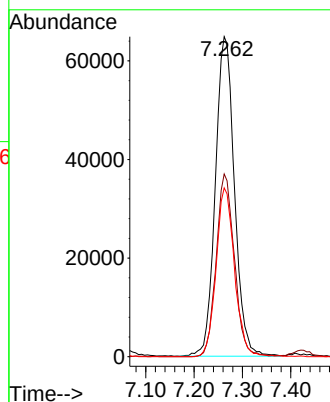
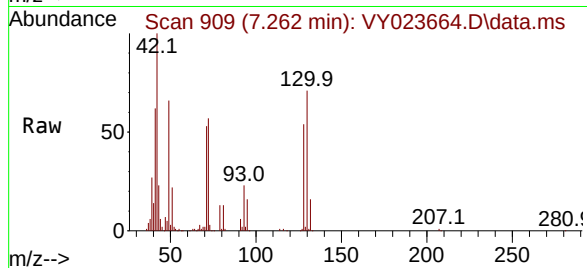
71 50.9 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 47.921 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023664.D

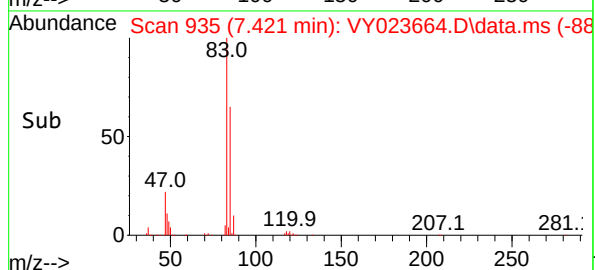
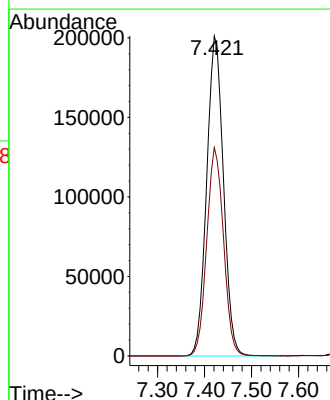
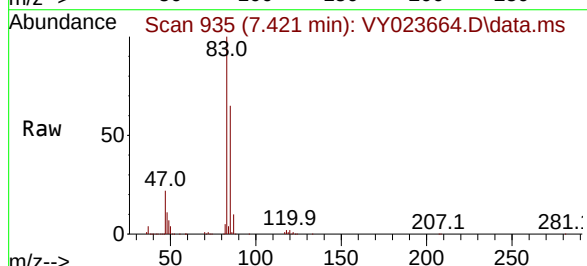
Acq: 04 Nov 2025 10:42

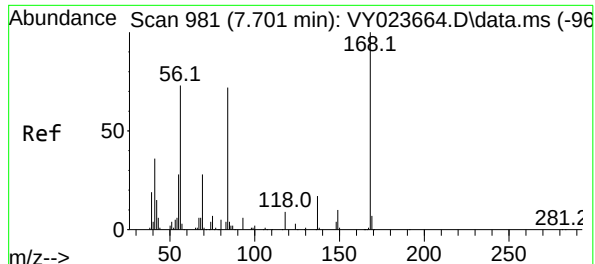
Tgt Ion: 83 Resp: 497055

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 47.090 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 381239

Ion Ratio Lower Upper

56 100

69 38.1 30.5 45.7

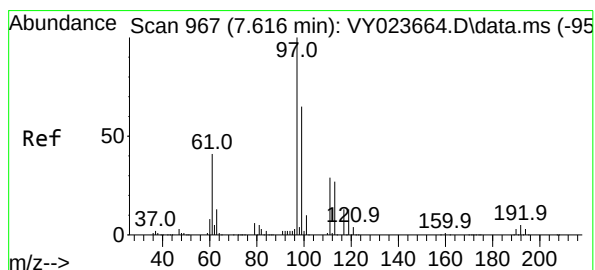
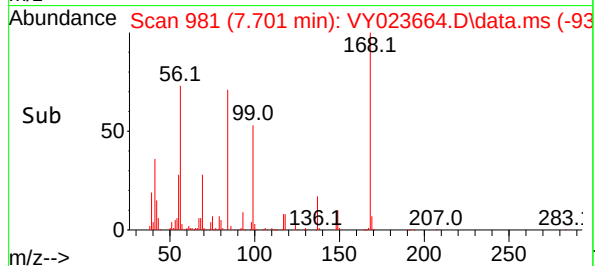
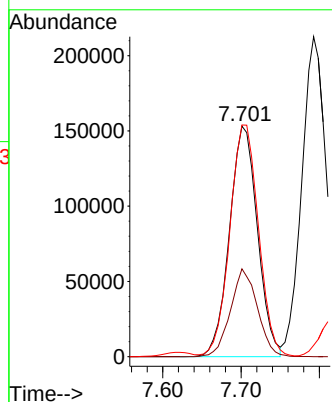
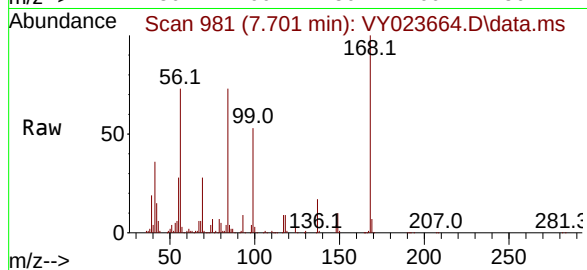
84 98.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 47.750 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

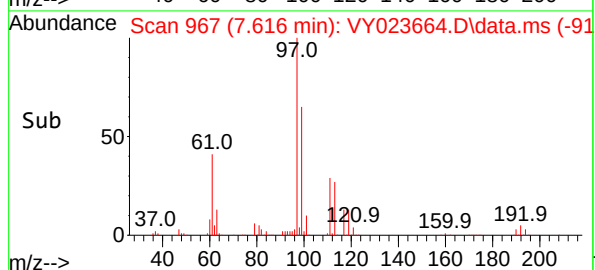
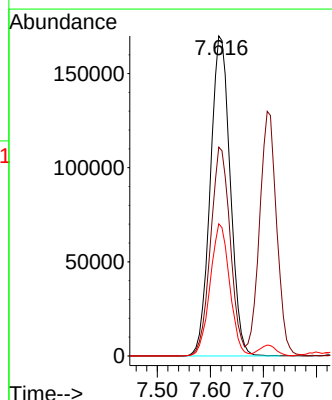
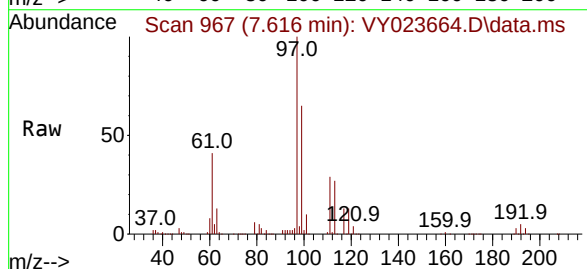
Tgt Ion: 97 Resp: 442659

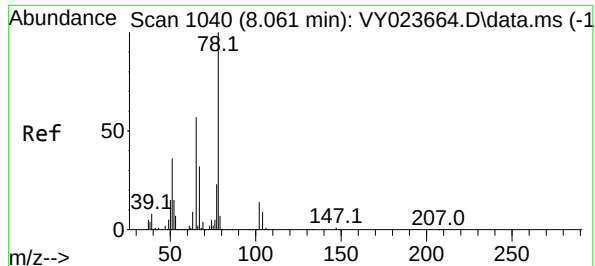
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 40.6 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 47.743 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 234520

Ion Ratio Lower Upper

65 100

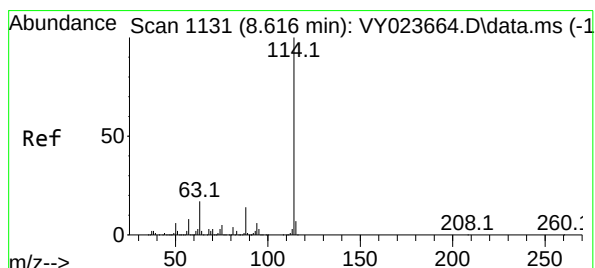
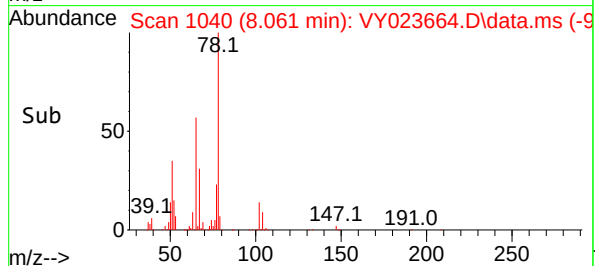
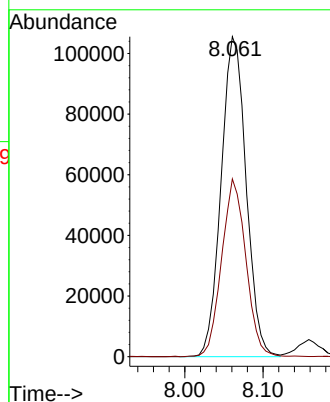
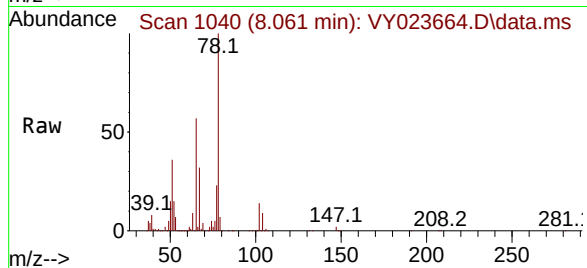
67 53.7 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

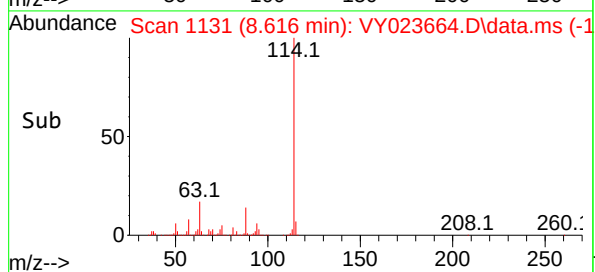
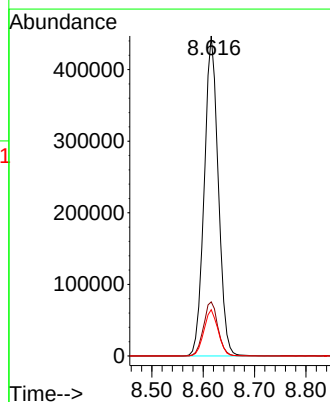
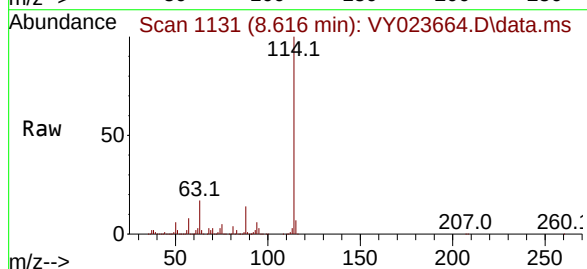
Tgt Ion:114 Resp: 844654

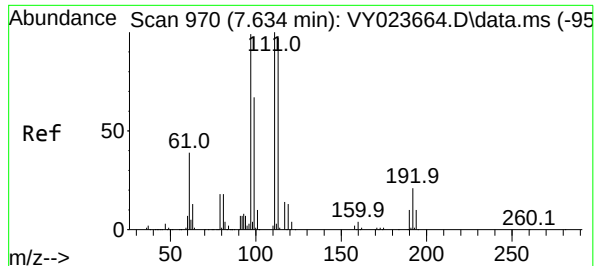
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

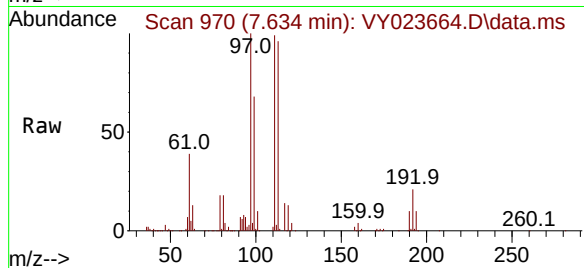
88 14.5 0.0 29.0





#35
Dibromofluoromethane
Concen: 49.542 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

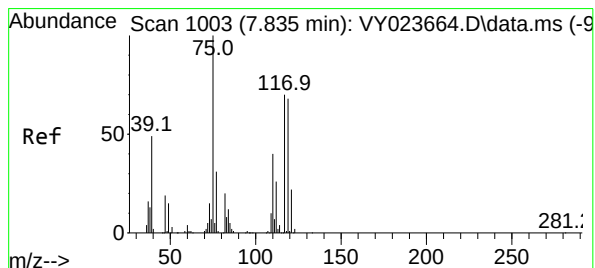
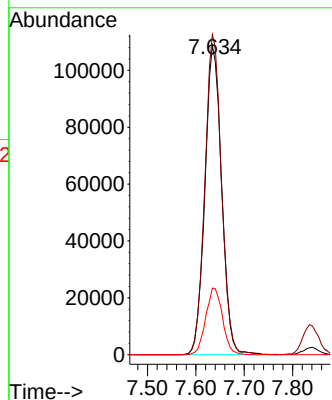
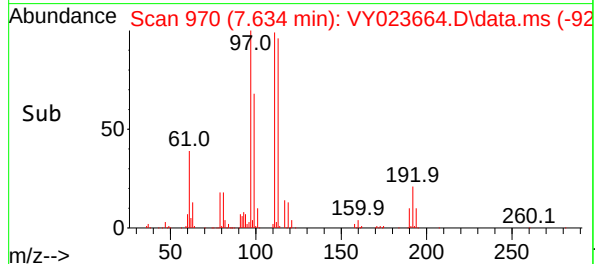
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



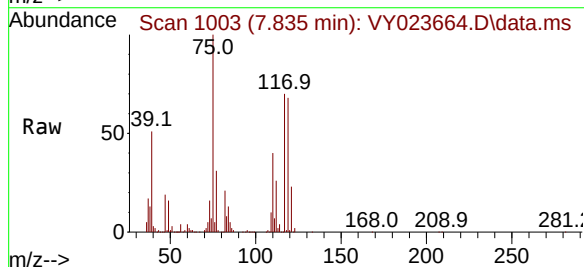
Tgt Ion:113 Resp: 261509
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 21.6 17.3 25.9

Manual Integrations
APPROVED

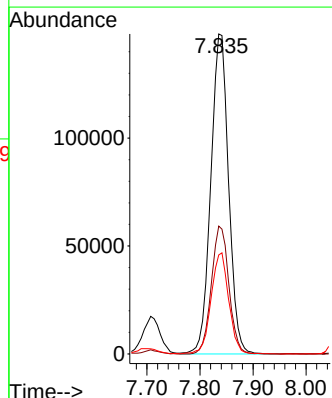
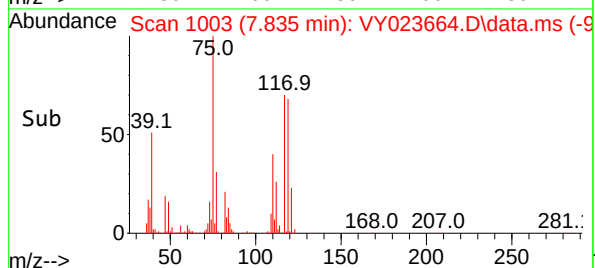
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

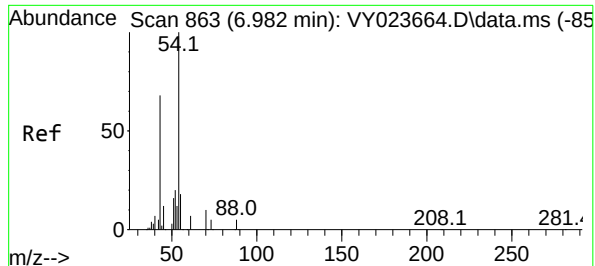


#36
1,1-Dichloropropene
Concen: 48.973 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



Tgt Ion: 75 Resp: 345431
Ion Ratio Lower Upper
75 100
110 39.3 19.7 59.0
77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 47.912 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 13082

Ion Ratio Lower Upper

43 100

61 15.5 12.4 18.6

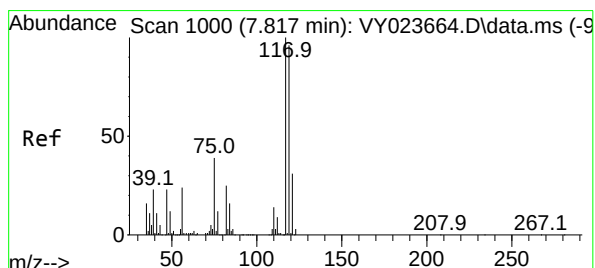
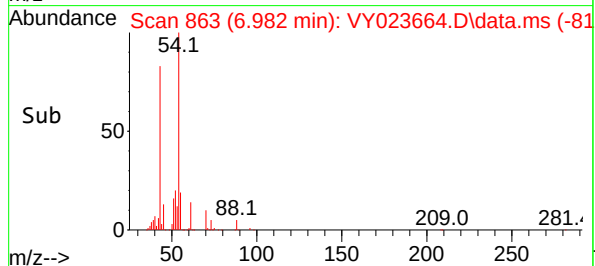
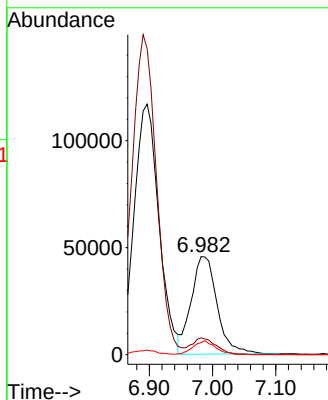
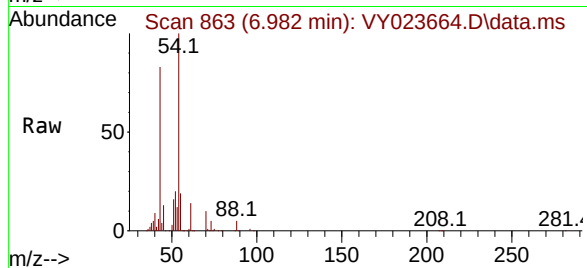
70 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 48.486 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

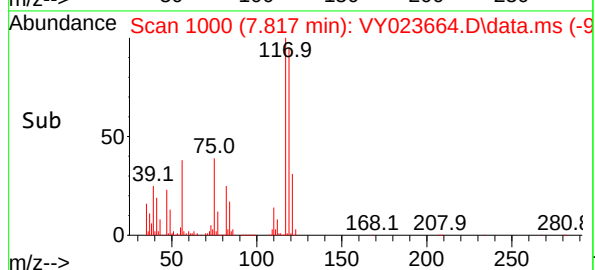
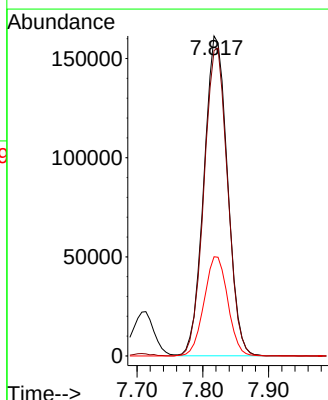
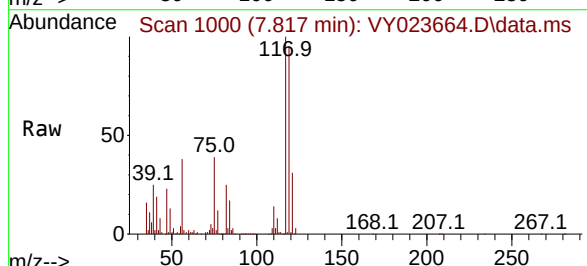
Tgt Ion:117 Resp: 402944

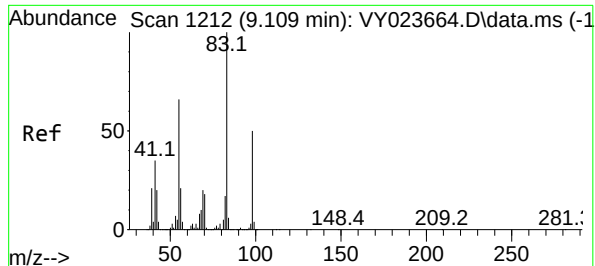
Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5

121 31.0 24.8 37.2





#39

Methylcyclohexane

Concen: 50.473 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 45488

Ion Ratio Lower Upper

83 100

55 65.7 52.6 78.8

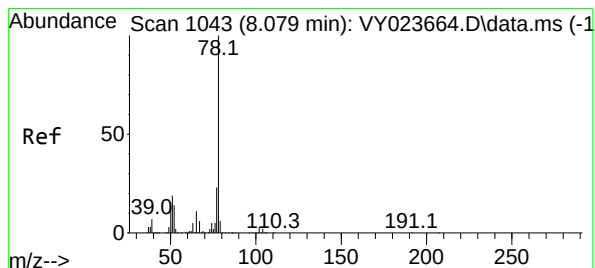
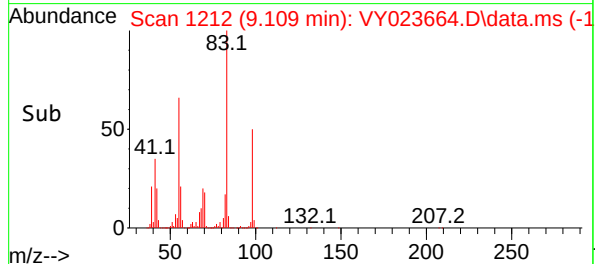
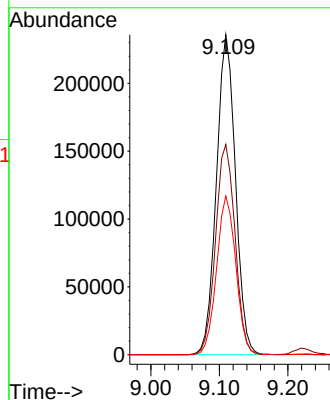
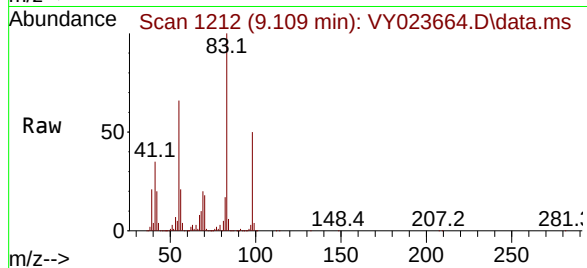
98 49.6 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 48.893 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023664.D

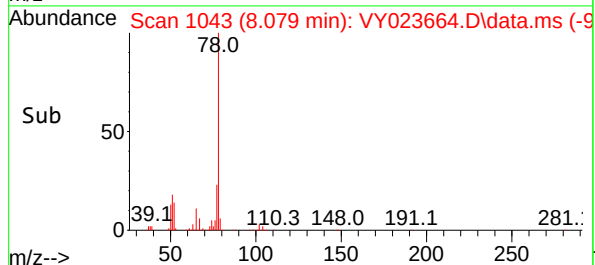
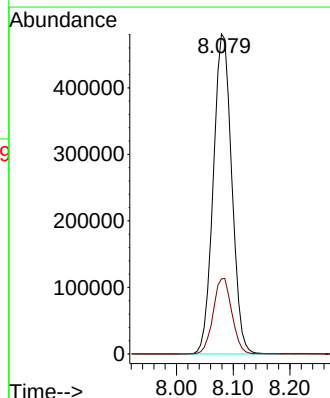
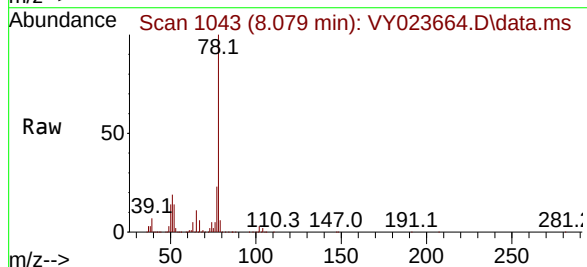
Acq: 04 Nov 2025 10:42

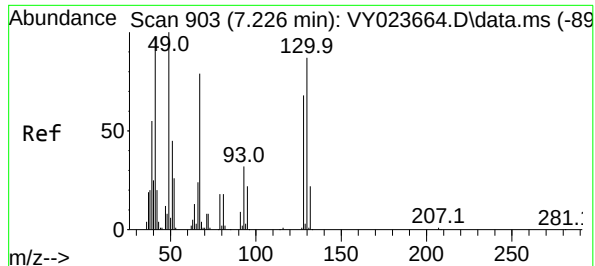
Tgt Ion: 78 Resp: 1087048

Ion Ratio Lower Upper

78 100

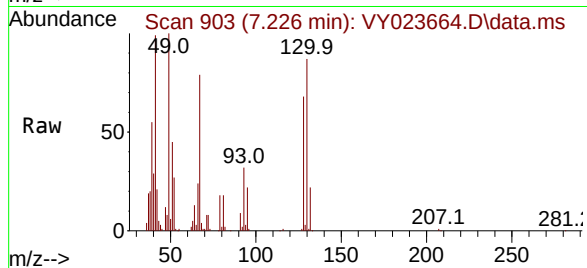
77 23.5 18.8 28.2





#41
Methacrylonitrile
Concen: 48.884 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

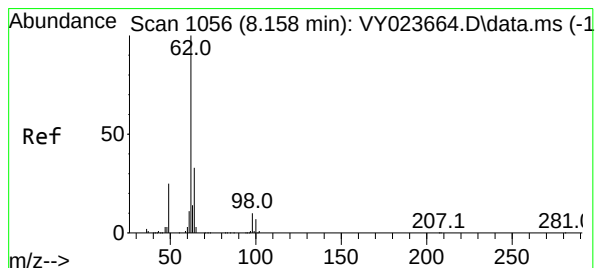
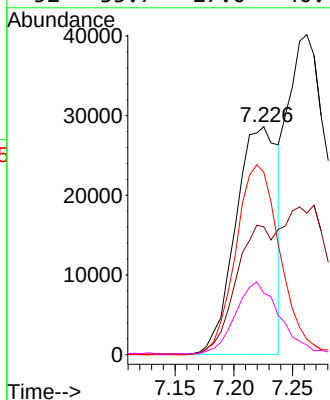
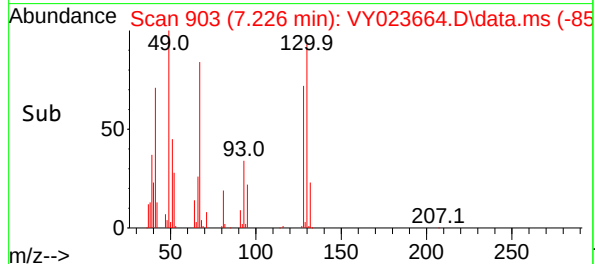
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 71198
Ion Ratio Lower Upper
41 100
39 48.2 38.6 57.8
67 89.1 71.3 106.9
52 33.7 27.0 40.4

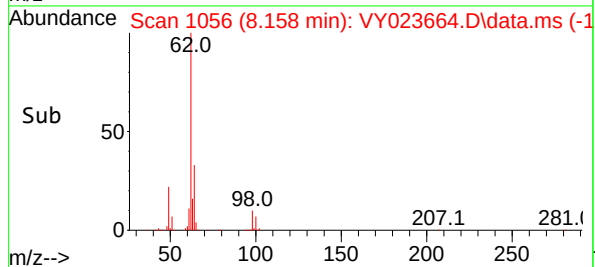
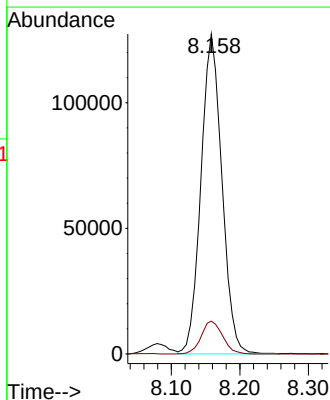
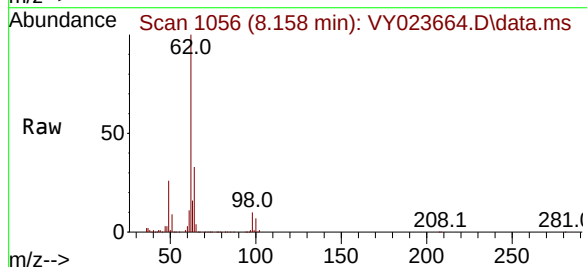
Manual Integrations
APPROVED

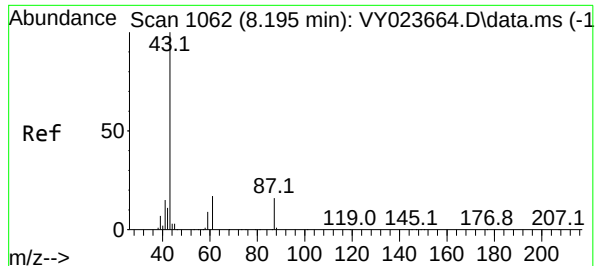
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 48.130 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 62 Resp: 270723
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.549 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 249080

Ion Ratio Lower Upper

43 100

61 22.7 18.2 27.2

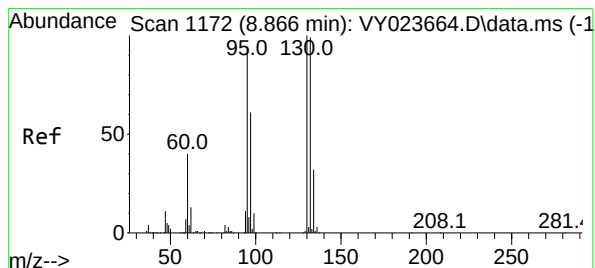
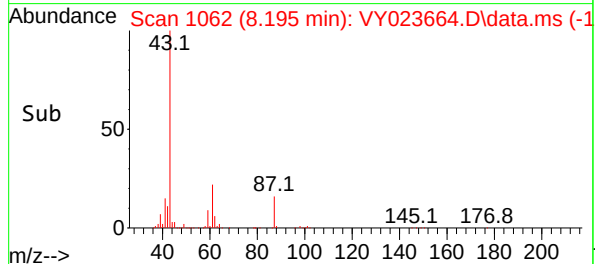
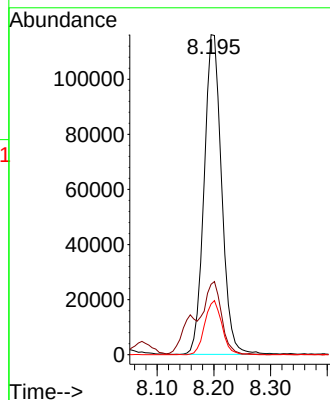
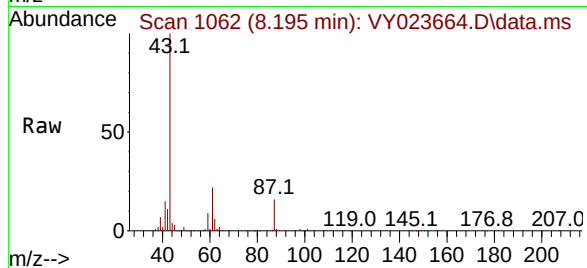
87 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 48.377 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023664.D

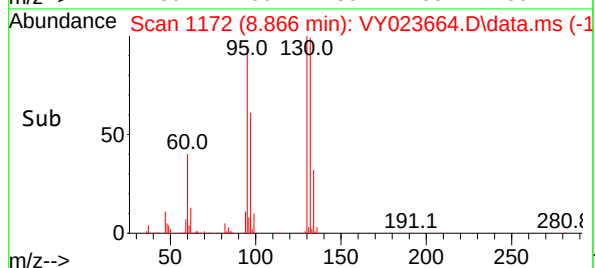
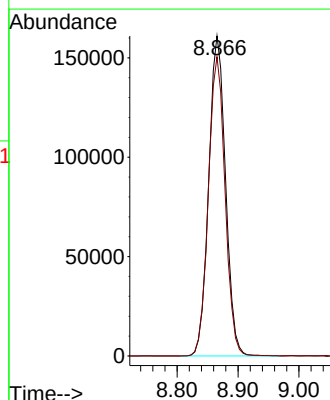
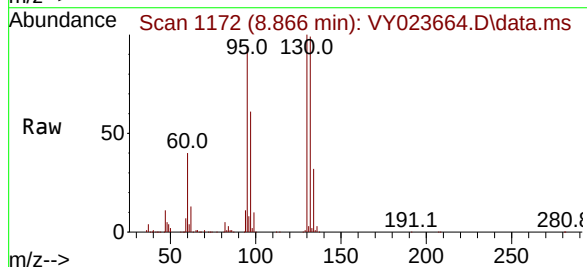
Acq: 04 Nov 2025 10:42

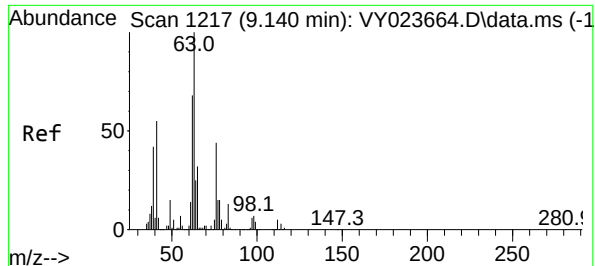
Tgt Ion:130 Resp: 308925

Ion Ratio Lower Upper

130 100

95 93.5 0.0 187.0





#45

1,2-Dichloropropane

Concen: 48.873 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 23981

Ion Ratio Lower Upper

63 100

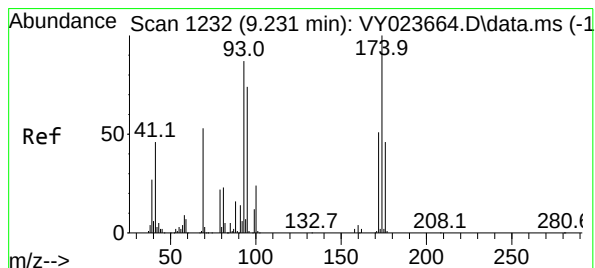
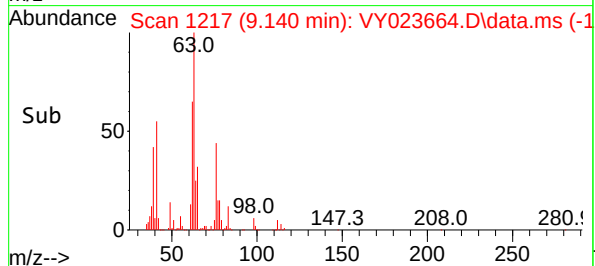
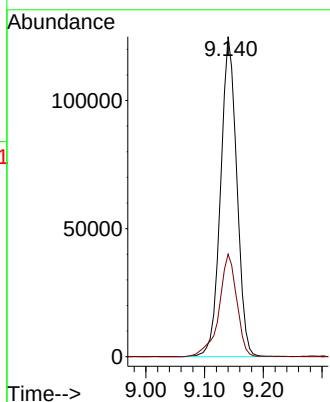
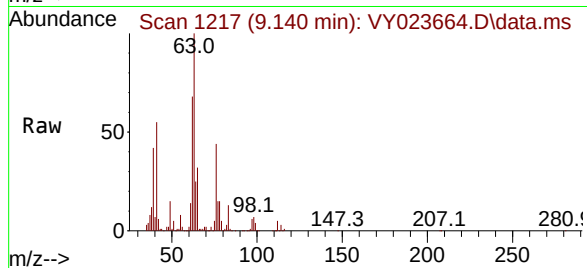
65 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 48.022 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

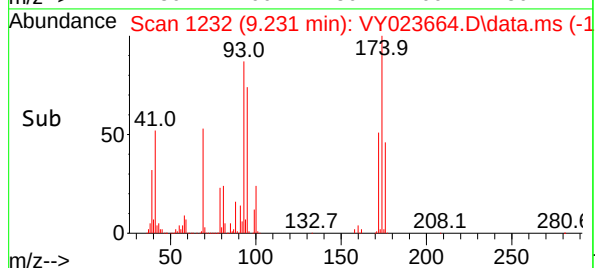
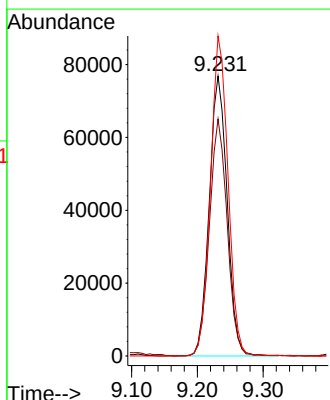
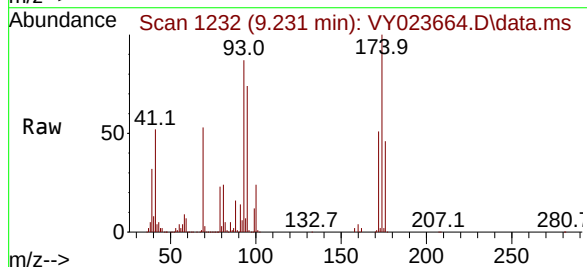
Tgt Ion: 93 Resp: 146001

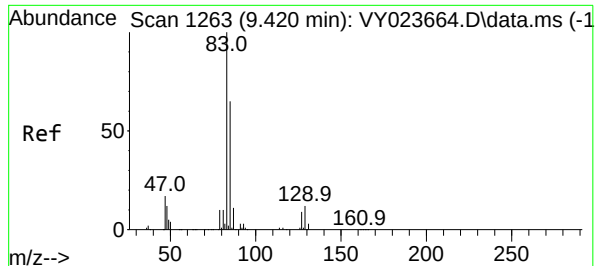
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

174 111.7 89.4 134.0





#47

Bromodichloromethane

Concen: 48.904 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 374860

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

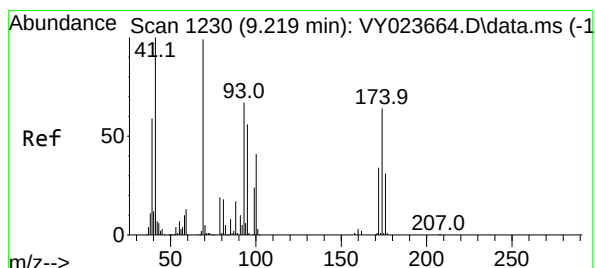
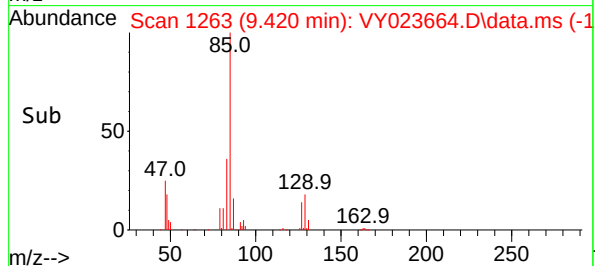
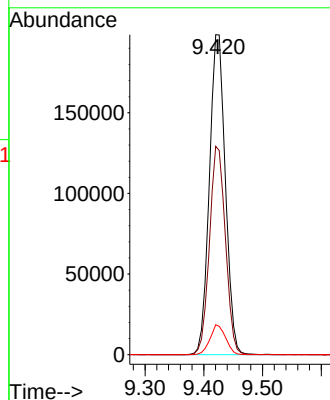
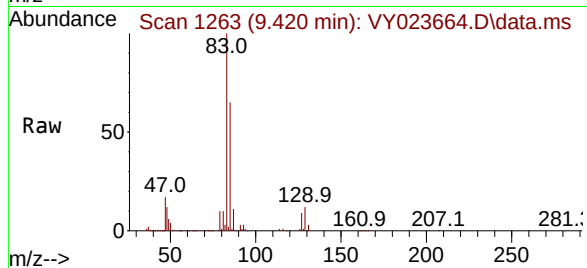
127 9.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 50.717 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

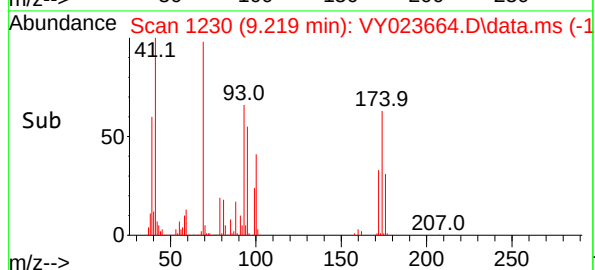
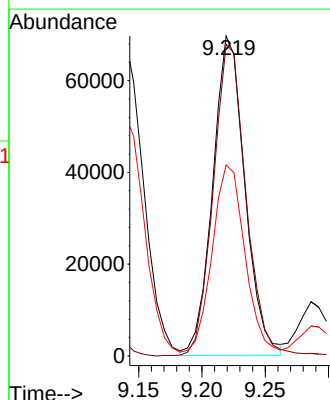
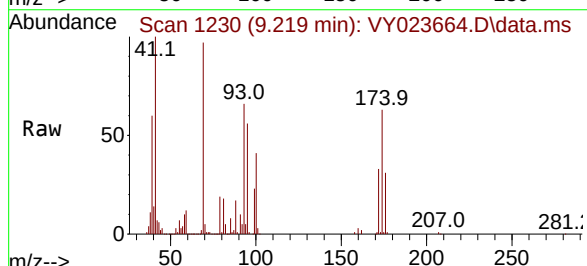
Tgt Ion: 41 Resp: 122935

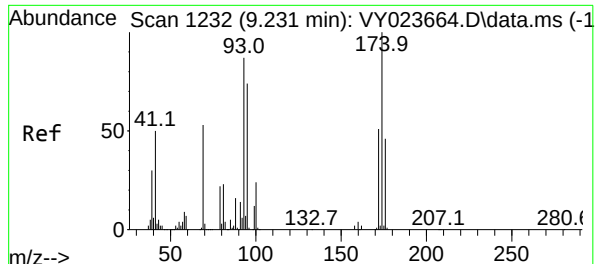
Ion Ratio Lower Upper

41 100

69 100.2 80.2 120.2

39 59.2 47.4 71.0





#49

1,4-Dioxane

Concen: 977.461 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 3041

Ion Ratio Lower Upper

88 100

43 27.5 22.0 33.0

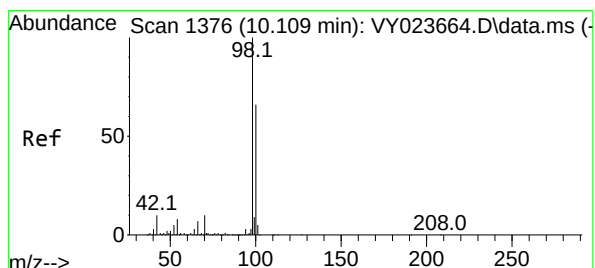
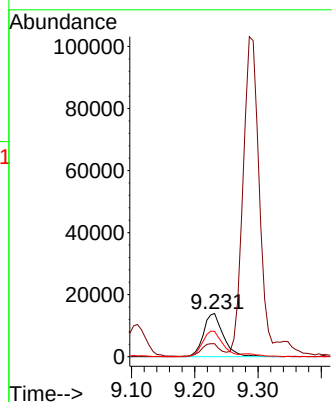
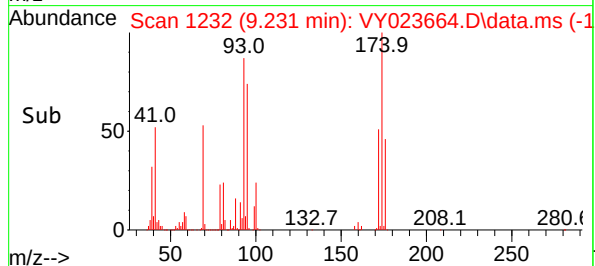
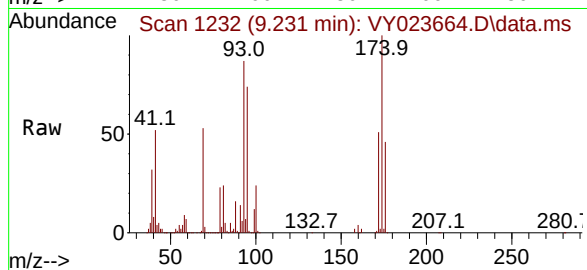
58 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 51.068 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023664.D

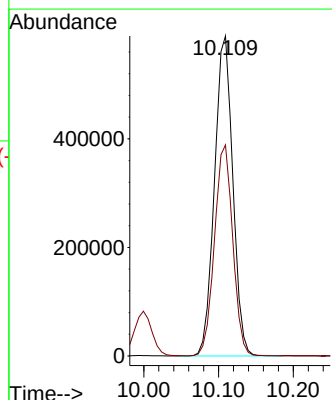
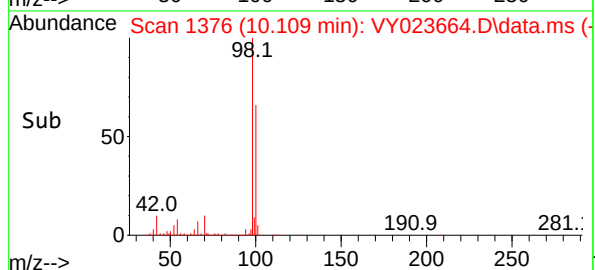
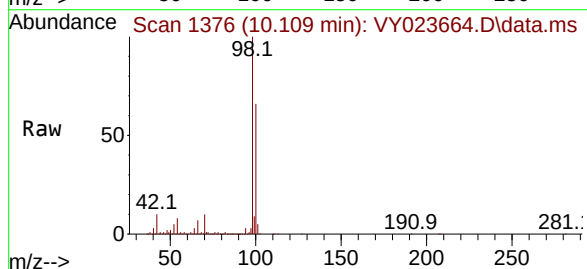
Acq: 04 Nov 2025 10:42

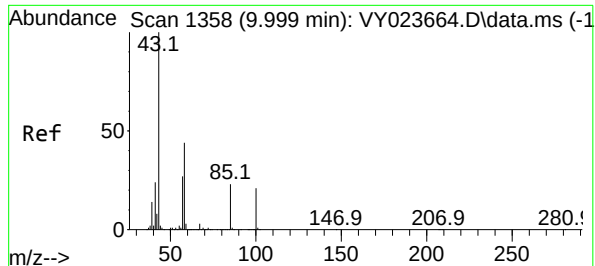
Tgt Ion: 98 Resp: 1004143

Ion Ratio Lower Upper

98 100

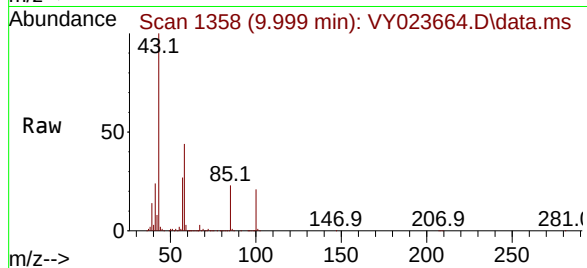
100 65.9 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 244.757 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

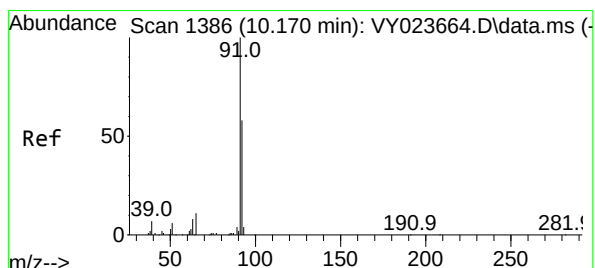
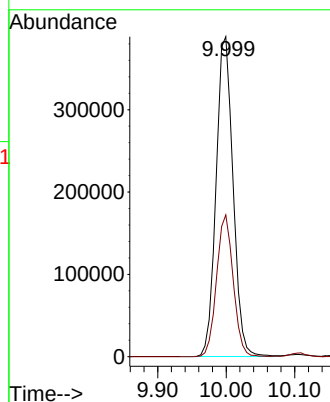
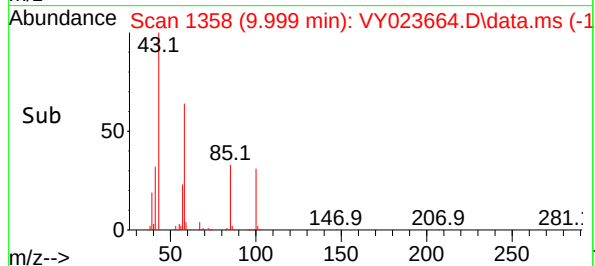
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 667799
Ion Ratio Lower Upper
43 100
58 43.5 34.8 52.2

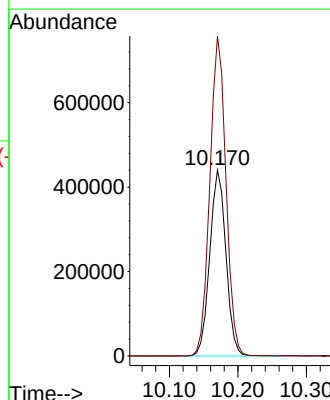
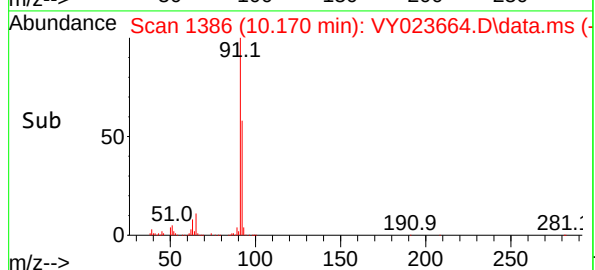
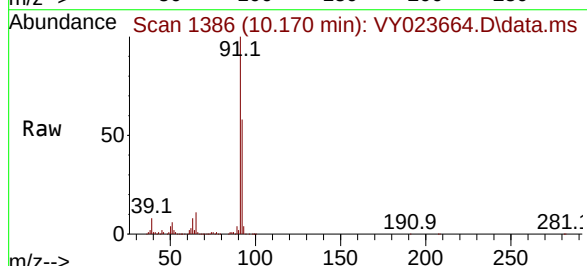
Manual Integrations
APPROVED

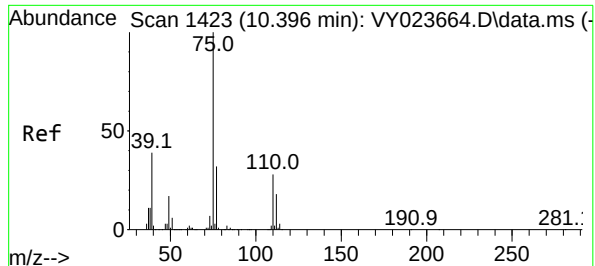
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 50.801 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

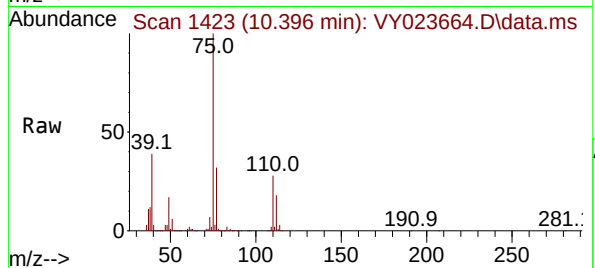
Tgt Ion: 92 Resp: 721090
Ion Ratio Lower Upper
92 100
91 172.3 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 50.350 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

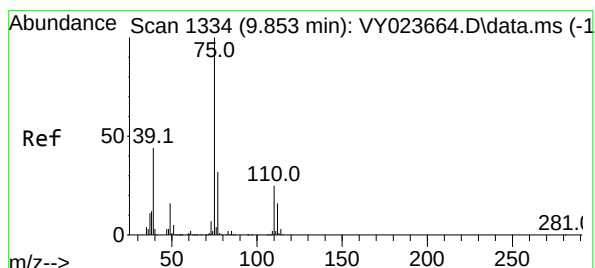
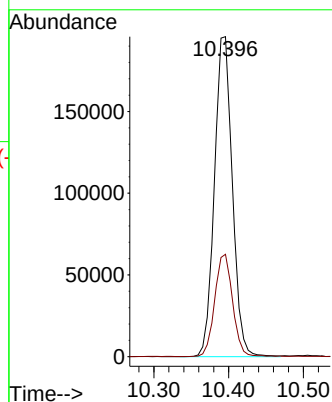
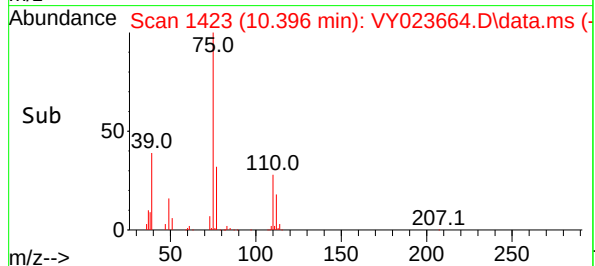
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



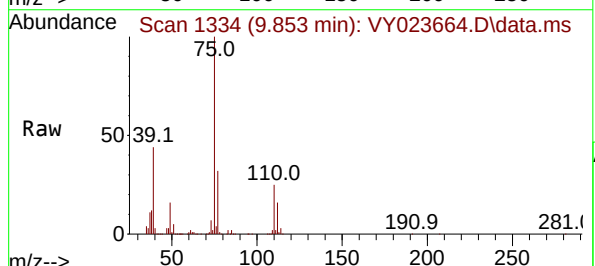
Tgt Ion: 75 Resp: 326560
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

Manual Integrations
APPROVED

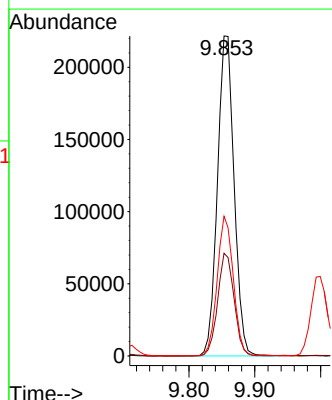
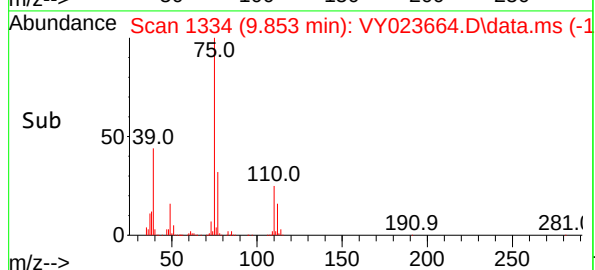
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

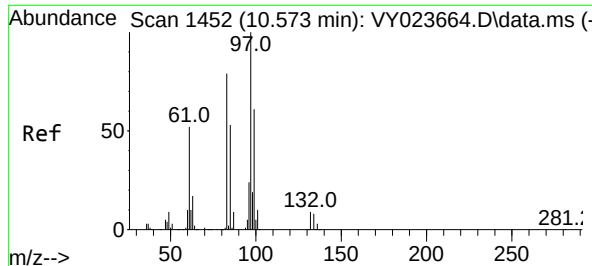


#54
cis-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



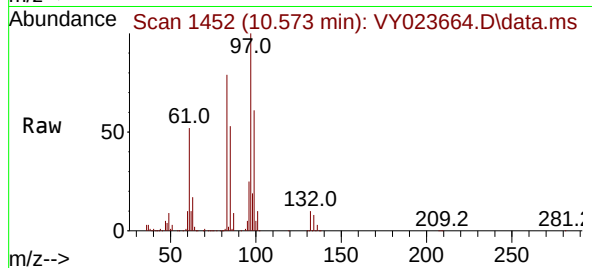
Tgt Ion: 75 Resp: 391126
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 43.6 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 48.601 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

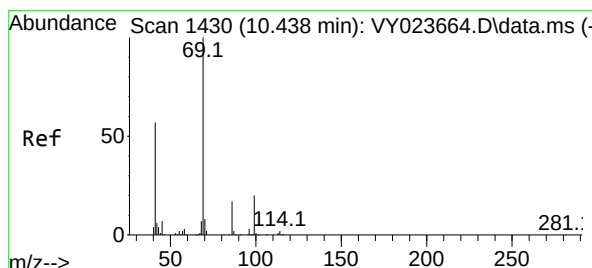
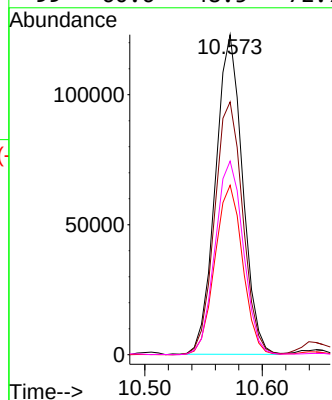
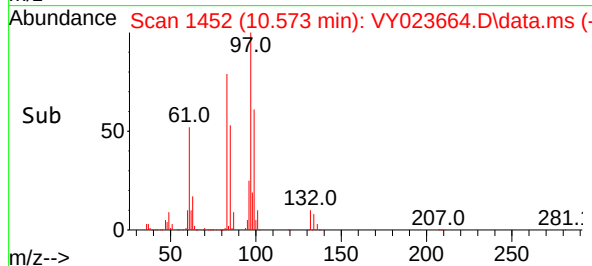
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 197468
Ion Ratio Lower Upper
97 100
83 79.1 63.3 94.9
85 53.0 42.4 63.6
99 60.6 48.5 72.7

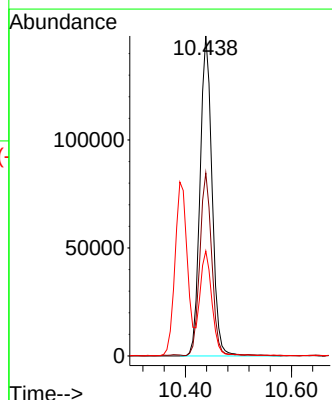
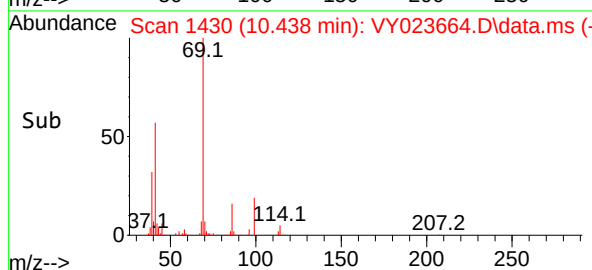
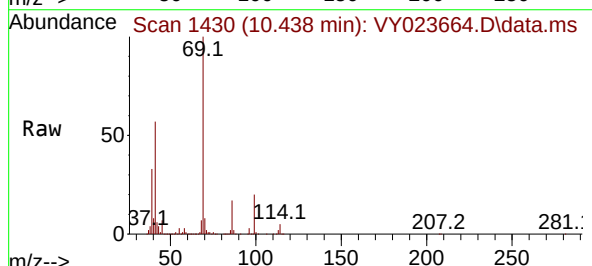
Manual Integrations
APPROVED

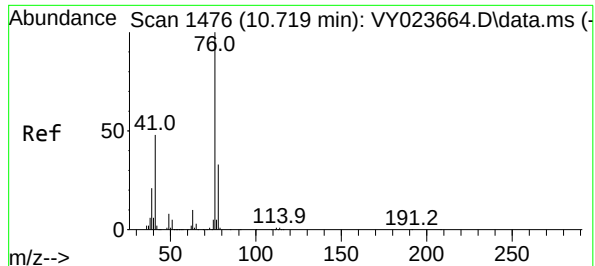
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 52.139 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

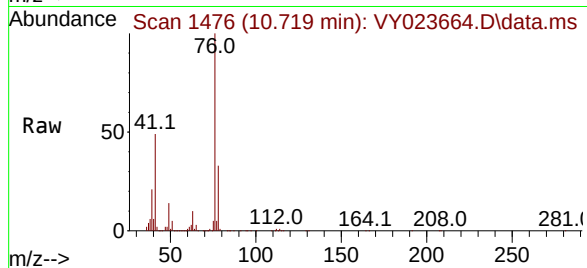
Tgt Ion: 69 Resp: 233410
Ion Ratio Lower Upper
69 100
41 56.2 45.0 67.4
39 31.4 25.1 37.7





#57
1,3-Dichloropropane
Concen: 49.234 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

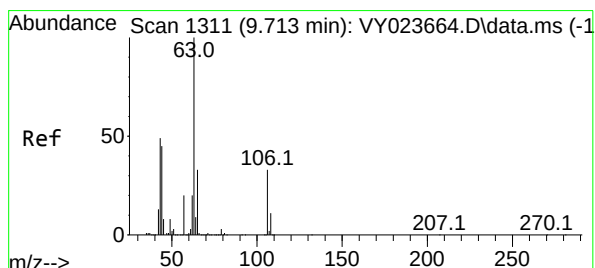
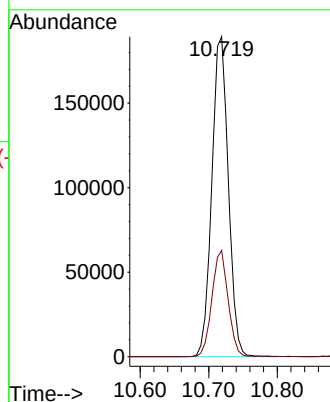
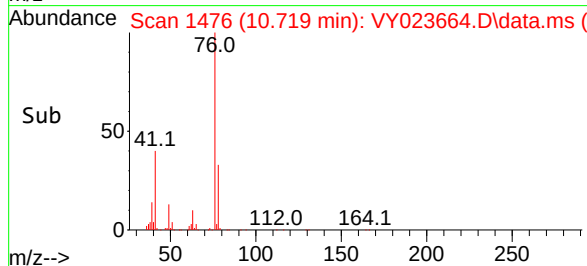
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 317290
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0

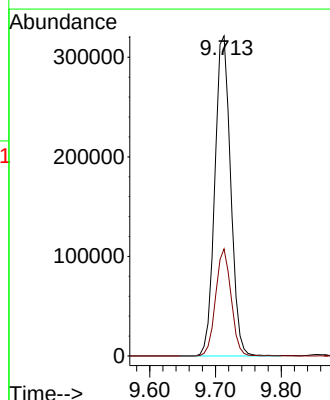
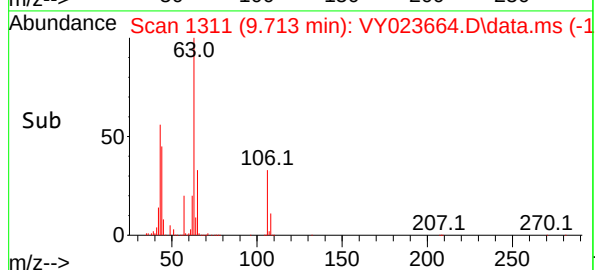
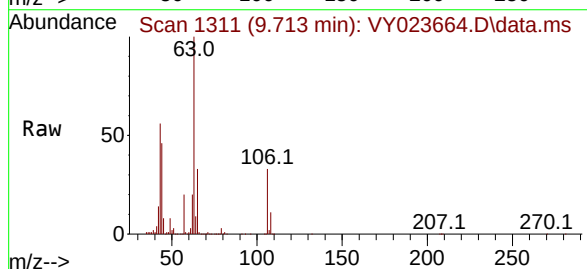
Manual Integrations
APPROVED

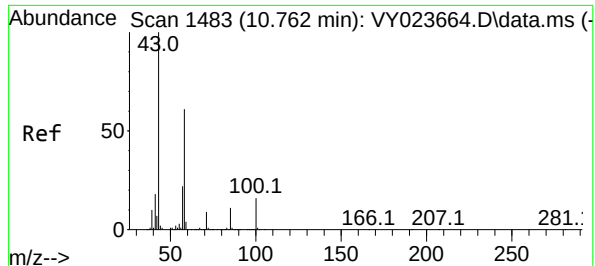
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 261.987 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

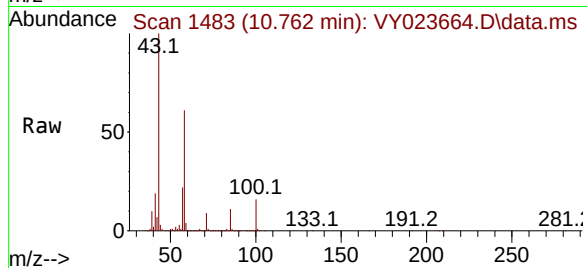
Tgt Ion: 63 Resp: 538181
Ion Ratio Lower Upper
63 100
106 32.7 26.2 39.2





#59
2-Hexanone
Concen: 242.927 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

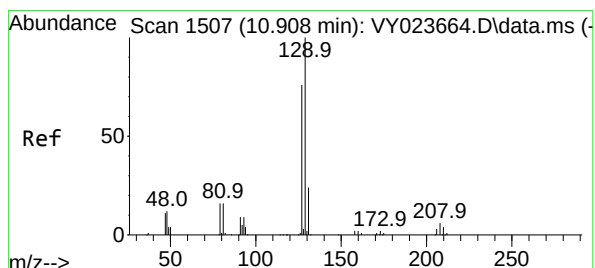
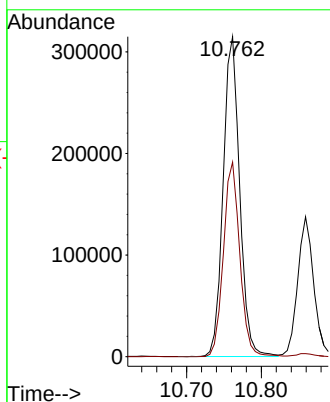
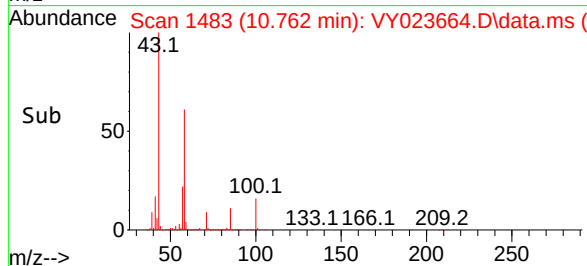
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



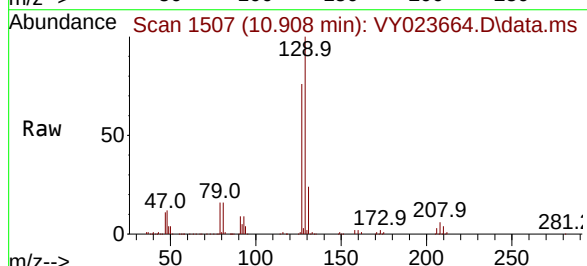
Tgt Ion: 43 Resp: 483563
Ion Ratio Lower Upper
43 100
58 60.4 30.2 90.6

Manual Integrations
APPROVED

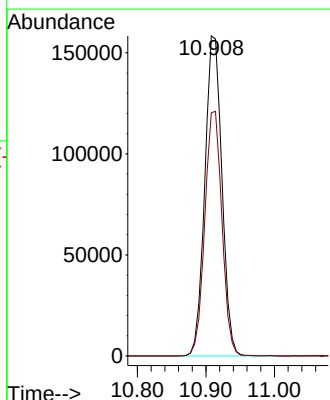
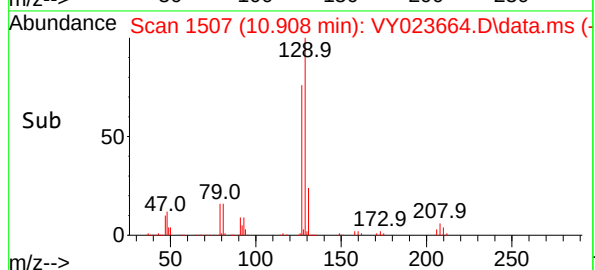
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

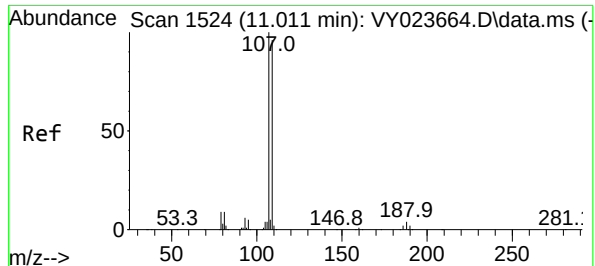


#60
Dibromochloromethane
Concen: 49.299 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



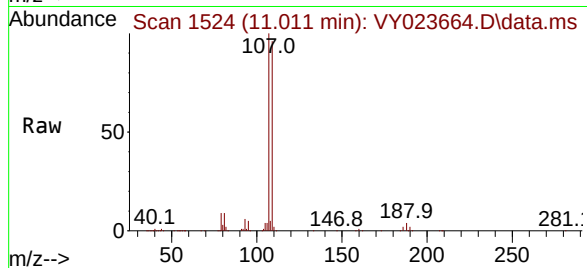
Tgt Ion:129 Resp: 275217
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





#61
1,2-Dibromoethane
Concen: 49.070 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

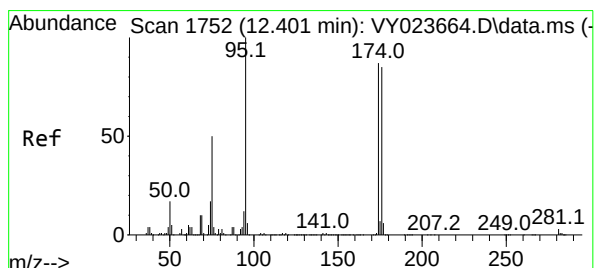
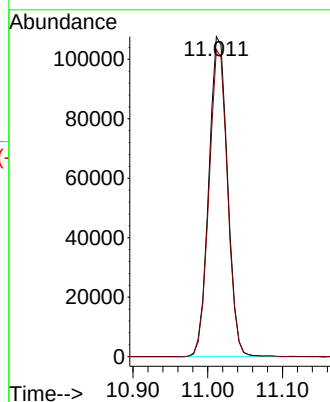
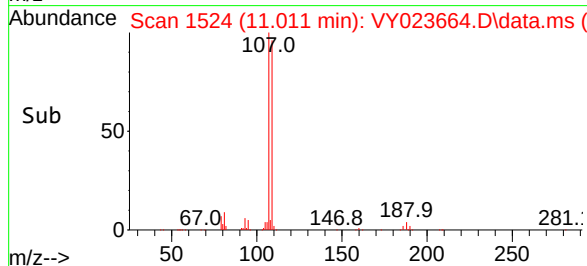
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 187108
Ion Ratio Lower Upper
107 100
109 95.3 76.2 114.4

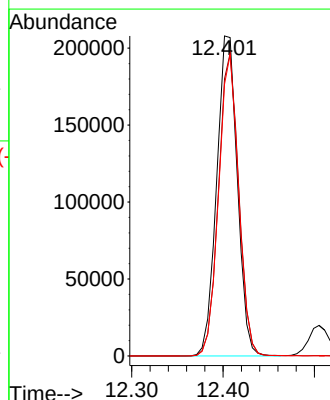
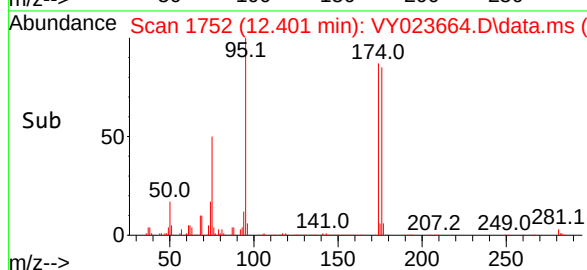
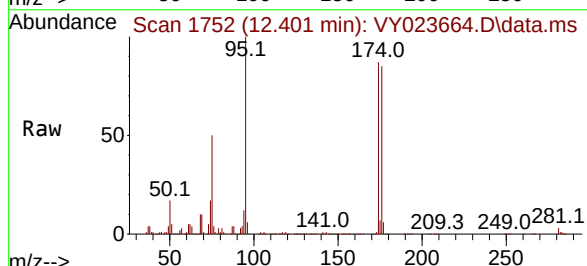
Manual Integrations
APPROVED

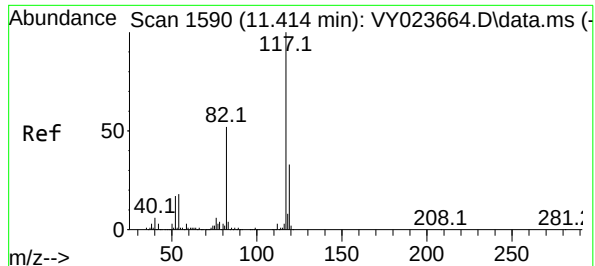
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 51.505 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

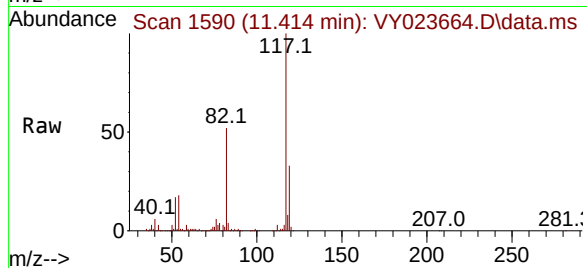
Tgt Ion: 95 Resp: 327509
Ion Ratio Lower Upper
95 100
174 92.4 0.0 184.8
176 90.8 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

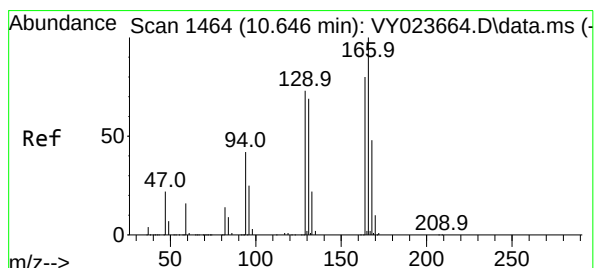
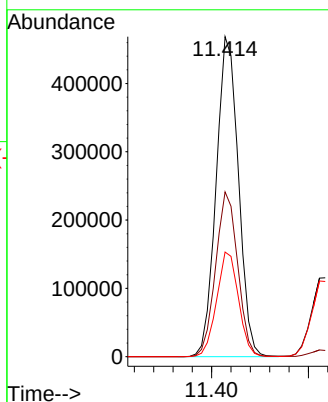
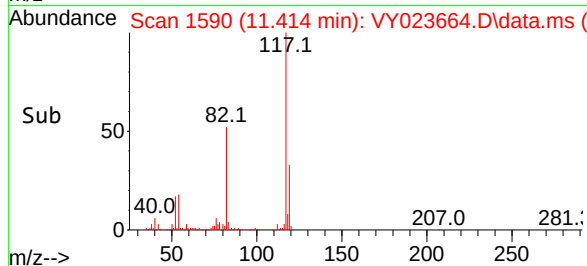
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



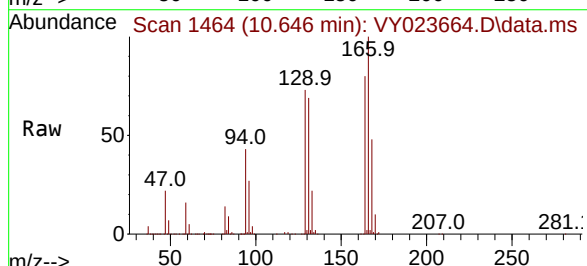
Tgt Ion:117 Resp: 748311
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.7 26.2 39.2

Manual Integrations
APPROVED

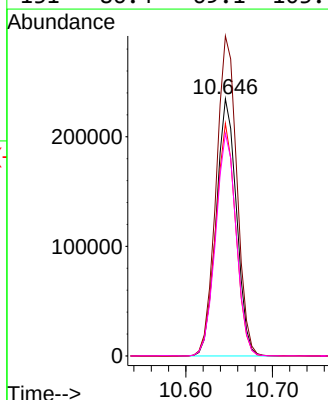
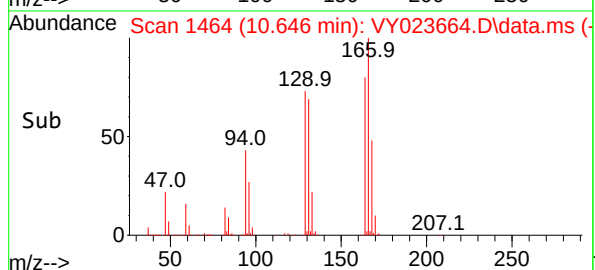
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

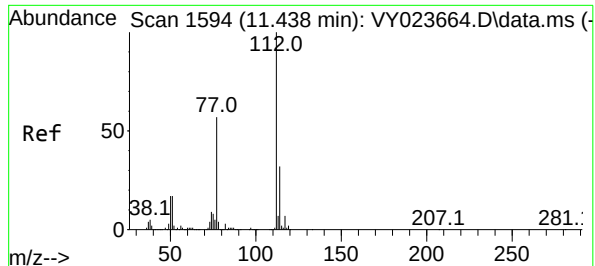


#64
Tetrachloroethene
Concen: 49.228 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



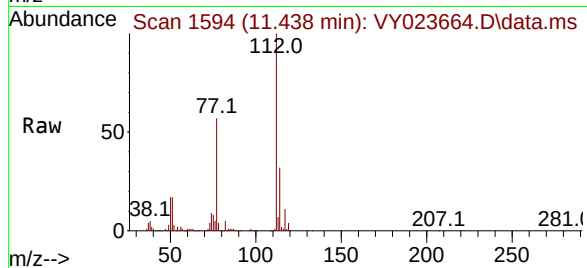
Tgt Ion:164 Resp: 383425
Ion Ratio Lower Upper
164 100
166 124.4 99.5 149.3
129 90.4 72.3 108.5
131 86.4 69.1 103.7





#65
Chlorobenzene
Concen: 49.008 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

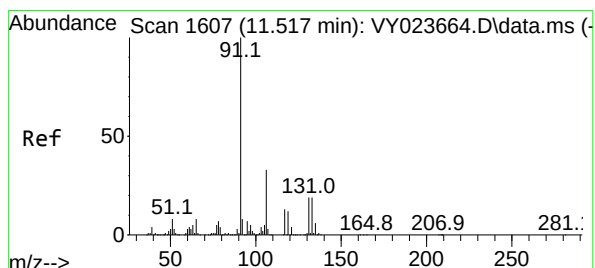
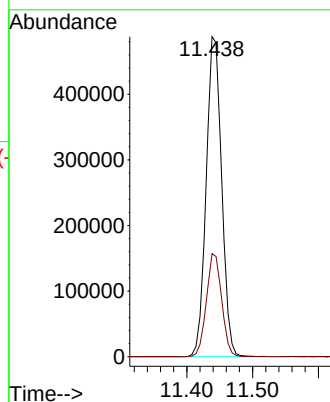
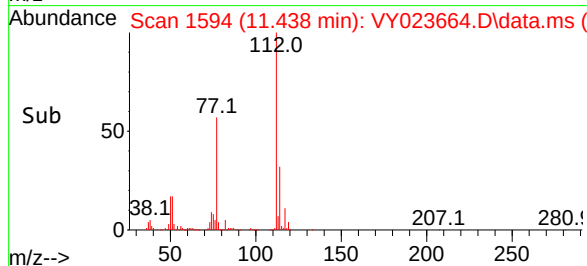
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



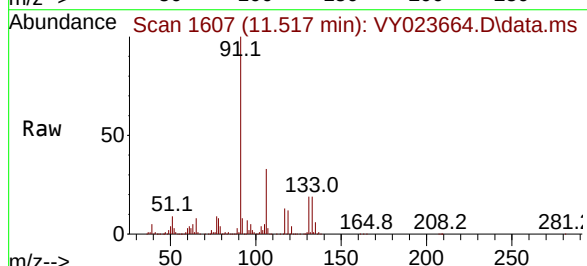
Tgt Ion:112 Resp: 798384
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

Manual Integrations
APPROVED

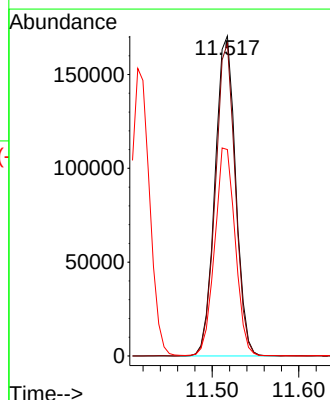
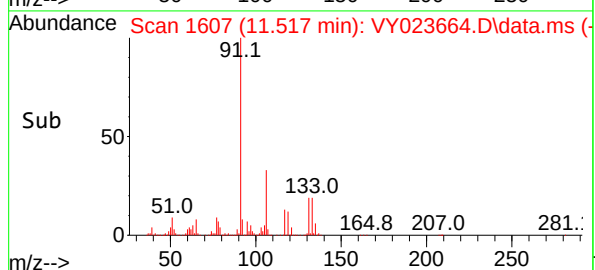
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

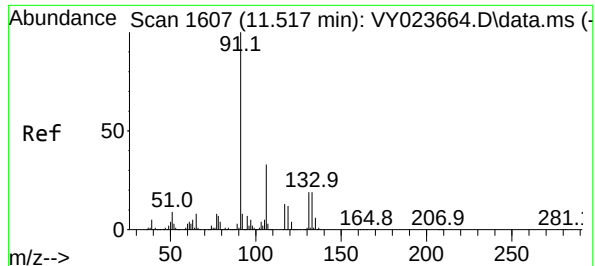


#66
1,1,1,2-Tetrachloroethane
Concen: 48.962 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



Tgt Ion:131 Resp: 282049
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 64.9 32.5 97.4





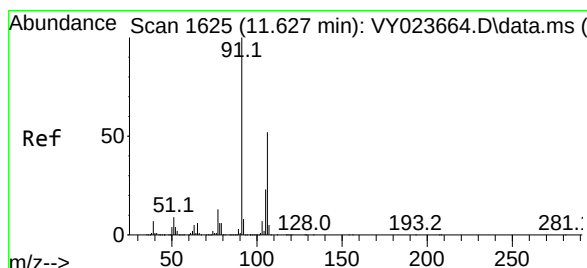
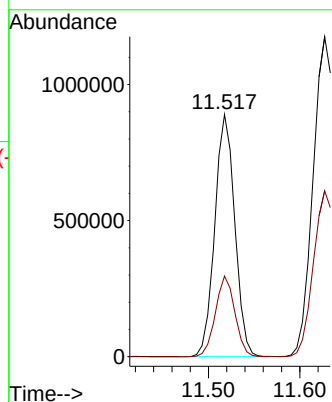
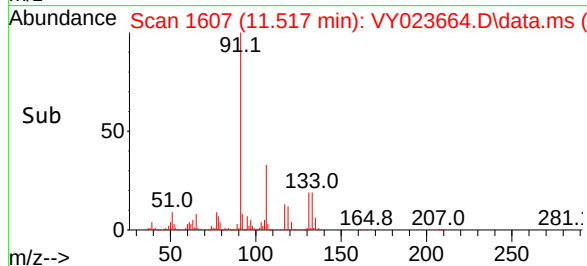
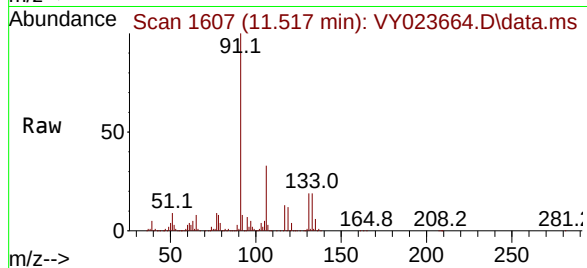
#67
Ethyl Benzene
Concen: 51.285 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1352193
Ion Ratio Lower Upper
91 100
106 33.3 26.6 40.0

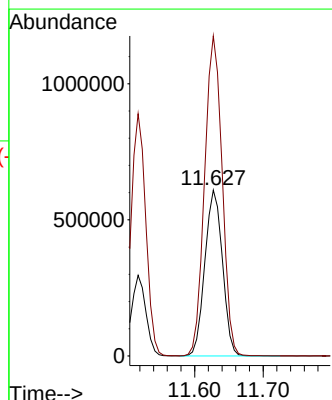
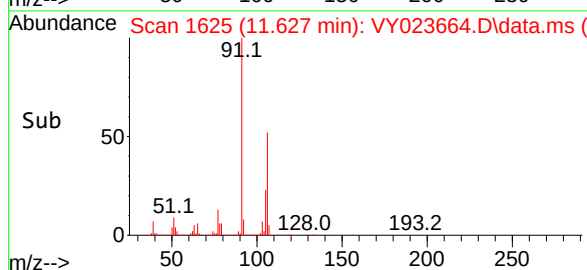
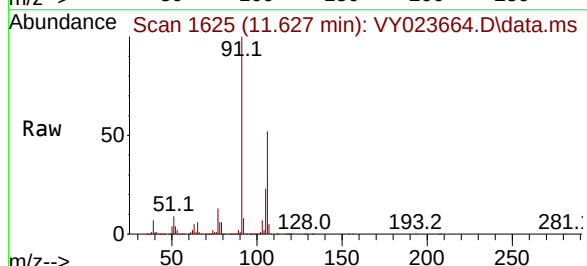
Manual Integrations
APPROVED

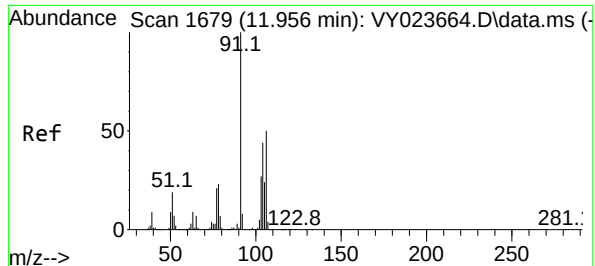
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 103.340 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

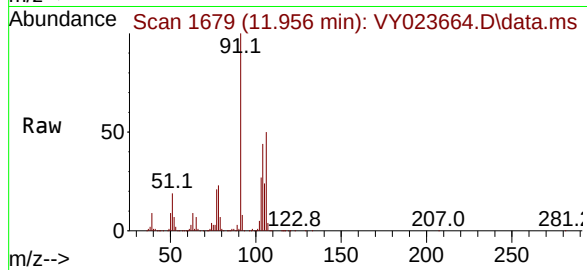
Tgt Ion:106 Resp: 1088606
Ion Ratio Lower Upper
106 100
91 192.9 154.3 231.5





#69
o-Xylene
Concen: 51.824 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

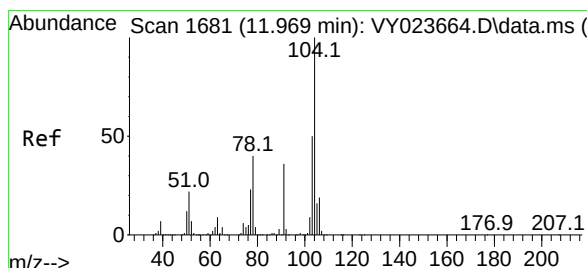
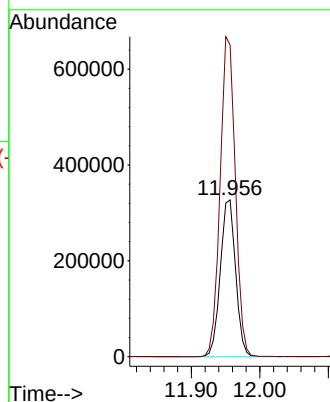
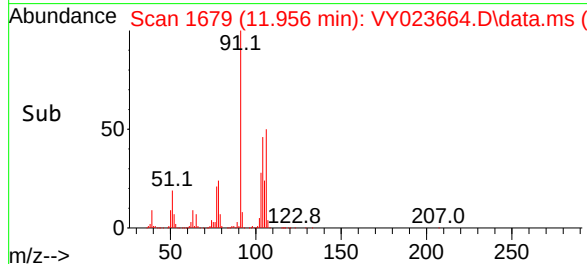
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:106 Resp: 504648
Ion Ratio Lower Upper
106 100
91 203.1 101.6 304.6

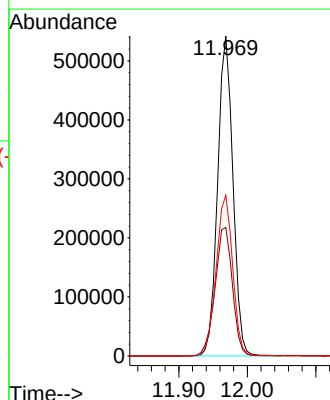
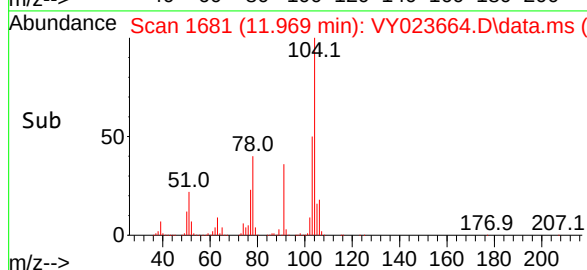
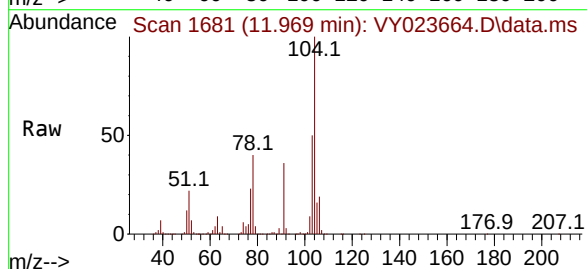
Manual Integrations
APPROVED

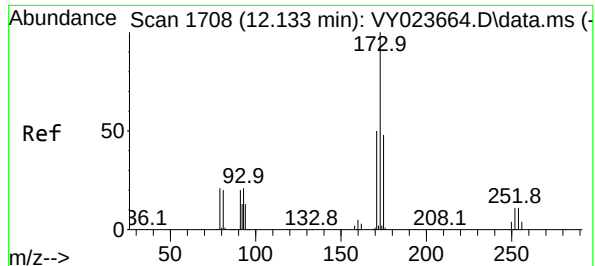
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 52.208 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

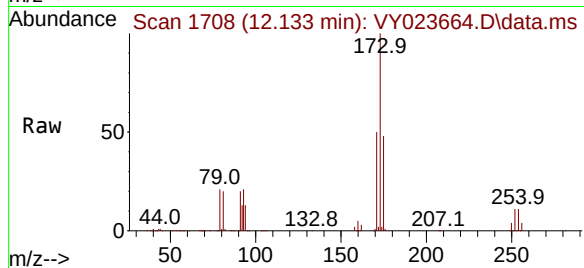
Tgt Ion:104 Resp: 838808
Ion Ratio Lower Upper
104 100
78 45.6 36.5 54.7
103 54.6 43.7 65.5





#71
Bromoform
Concen: 48.678 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

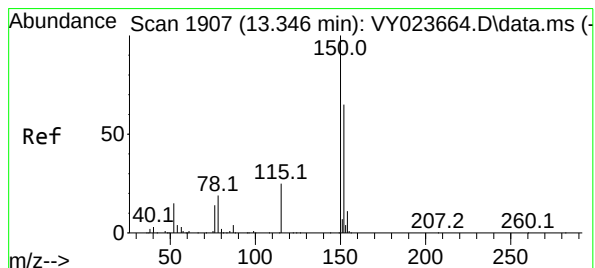
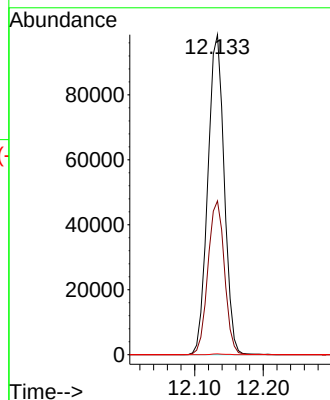
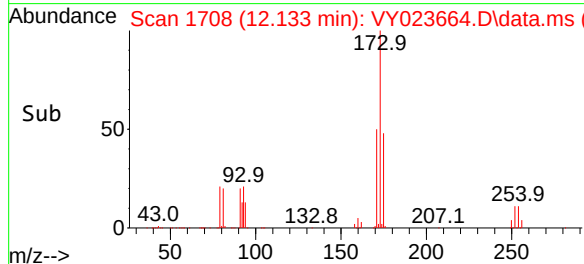
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



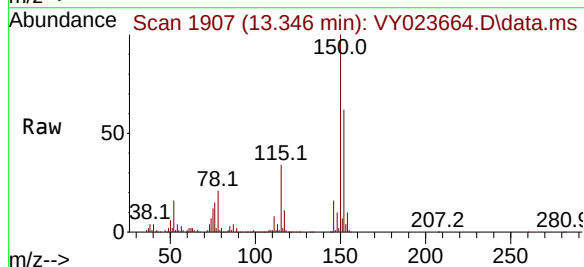
Tgt Ion:173 Resp: 163772
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

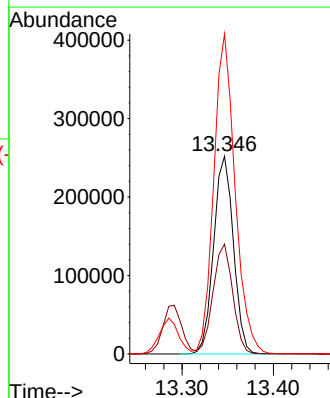
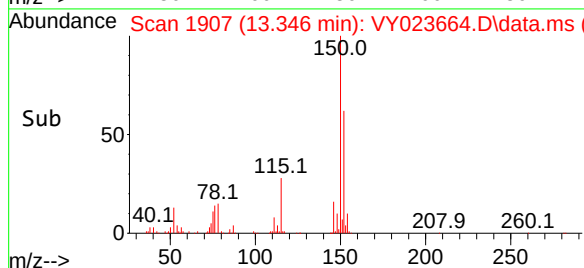
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

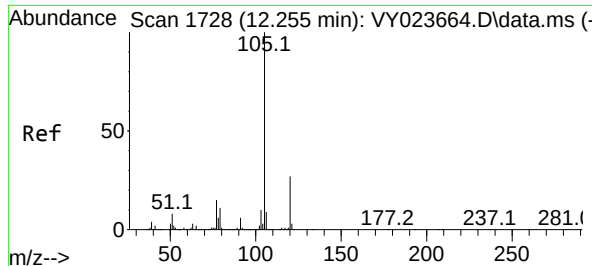


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



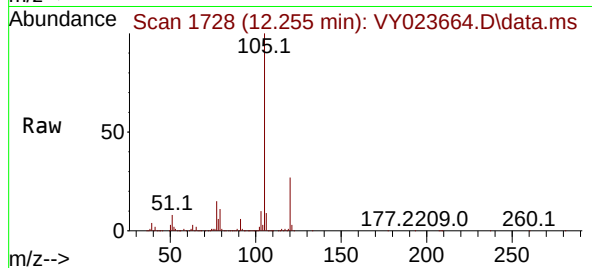
Tgt Ion:152 Resp: 378927
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.5
150 174.5 0.0 349.0





#73
Isopropylbenzene
Concen: 51.752 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

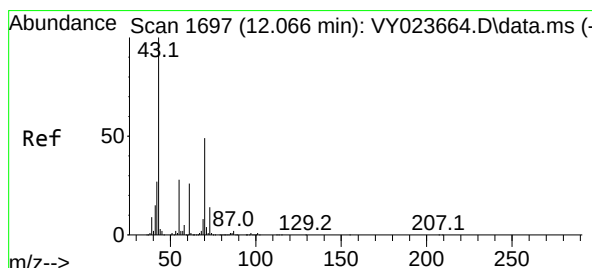
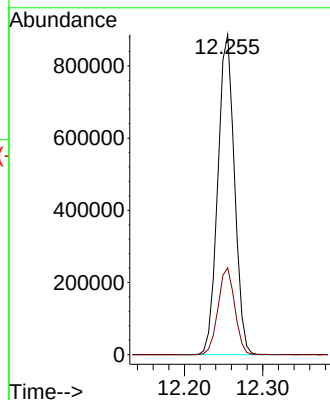
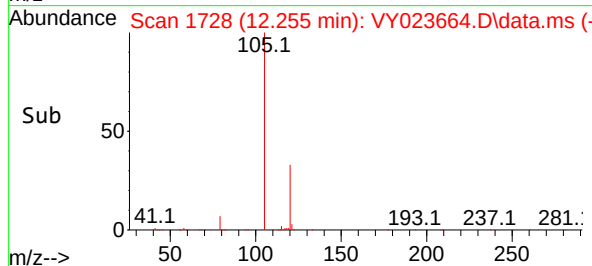
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 131158
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

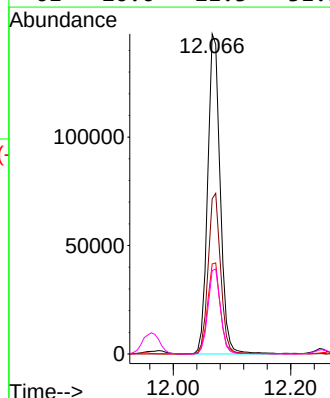
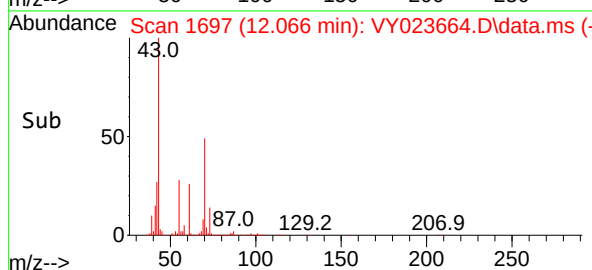
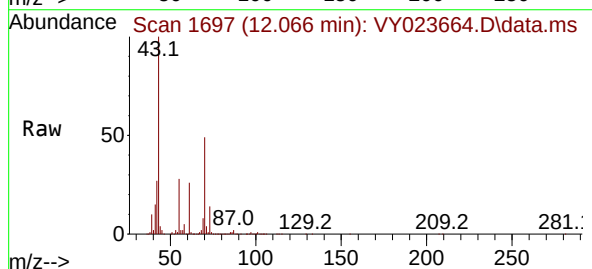
Manual Integrations
APPROVED

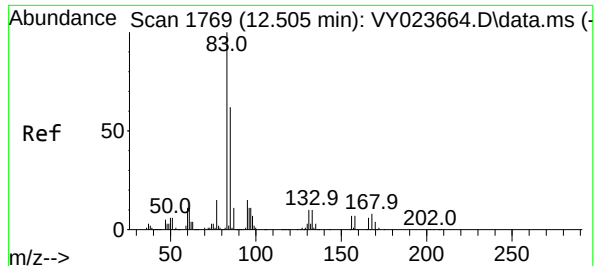
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 50.962 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

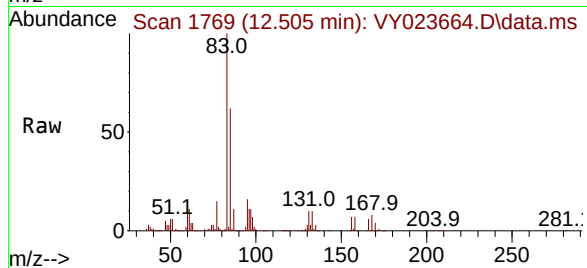
Tgt Ion: 43 Resp: 218665
Ion Ratio Lower Upper
43 100
70 50.1 40.1 60.1
55 28.8 23.0 34.6
61 26.6 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 47.061 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

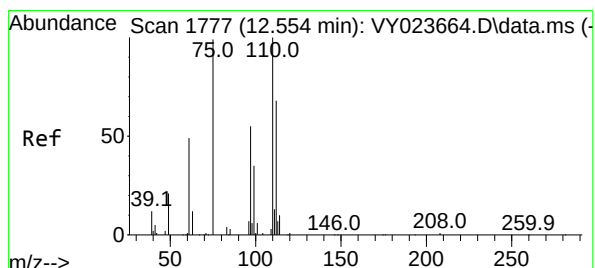
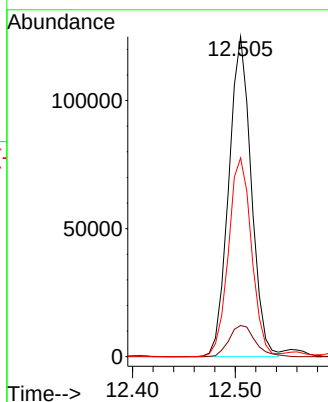
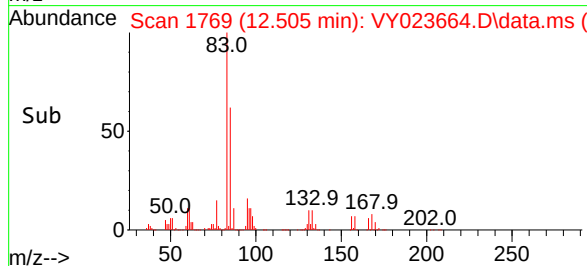
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



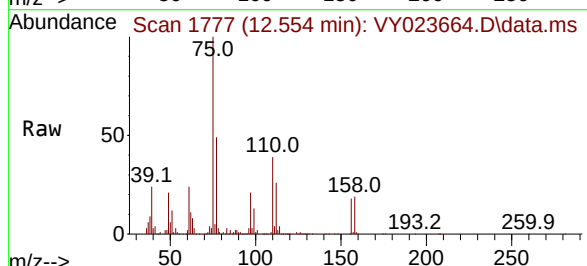
Tgt Ion: 83 Resp: 190480
Ion Ratio Lower Upper
83 100
131 11.3 5.7 17.0
85 63.8 31.9 95.7

Manual Integrations
APPROVED

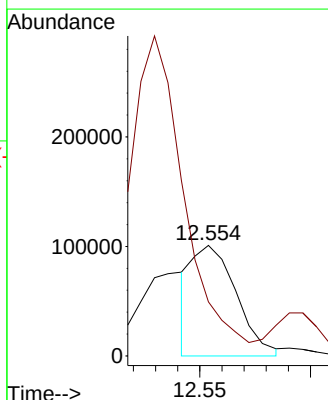
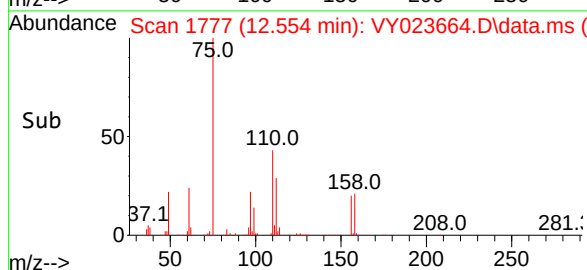
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

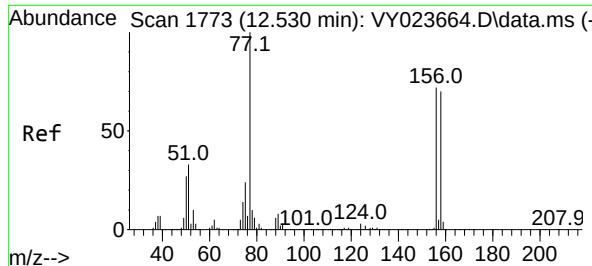


#76
1,2,3-Trichloropropane
Concen: 46.111 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



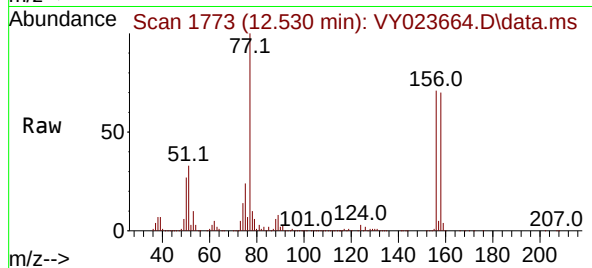
Tgt Ion: 75 Resp: 141409
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 49.702 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

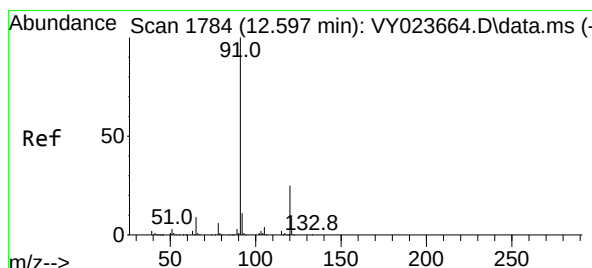
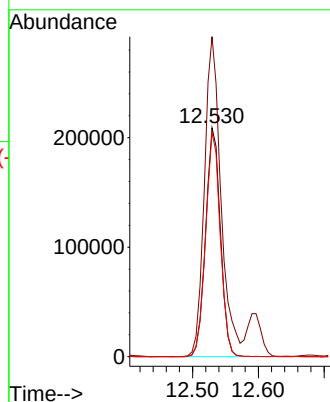
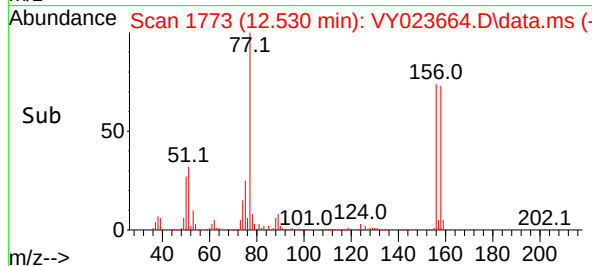
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 326732
Ion Ratio Lower Upper
156 100
77 155.8 77.9 233.7
158 97.0 48.5 145.5

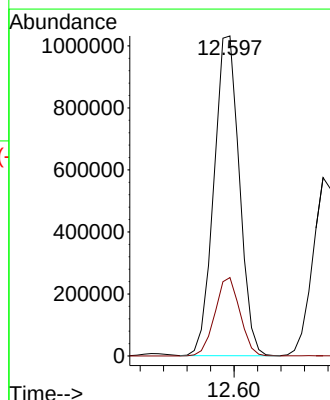
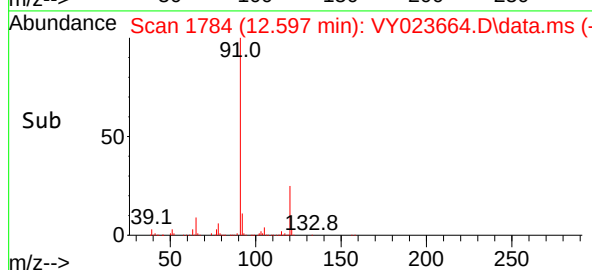
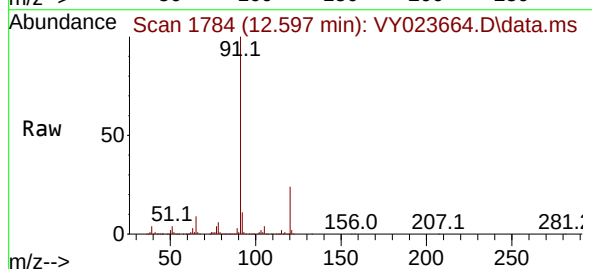
Manual Integrations
APPROVED

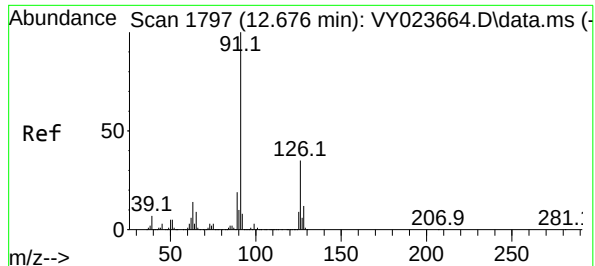
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 51.929 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 91 Resp: 1548019
Ion Ratio Lower Upper
91 100
120 24.1 12.0 36.1





#79

2-Chlorotoluene

Concen: 50.938 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 881152

Ion Ratio Lower Upper

91 100

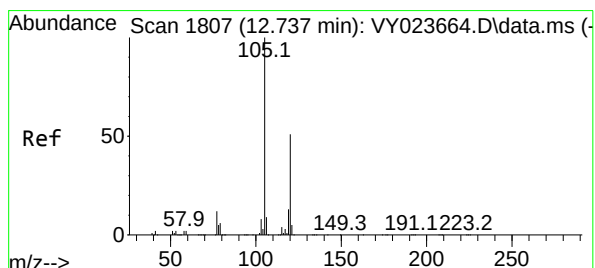
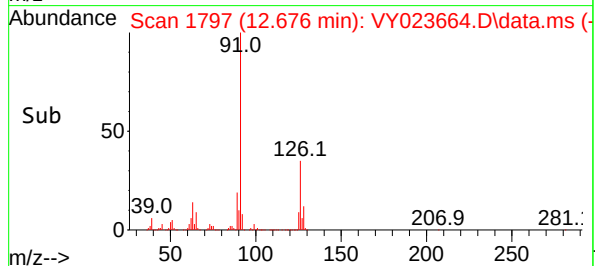
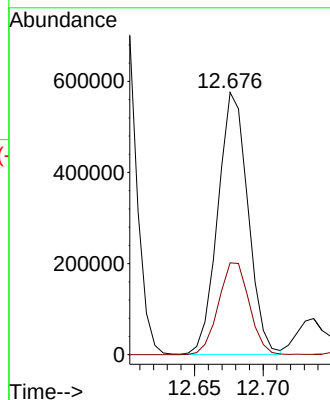
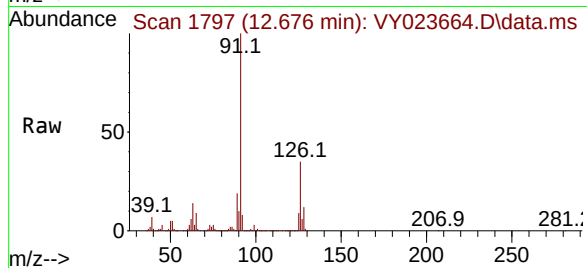
126 36.0 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.144 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023664.D

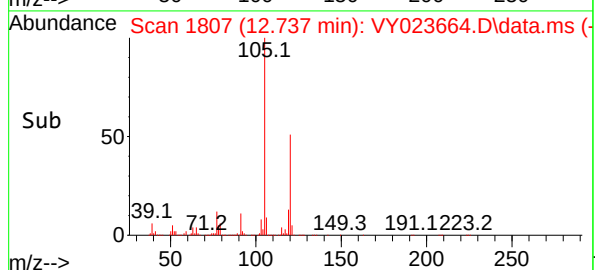
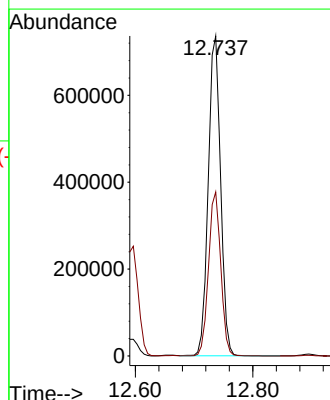
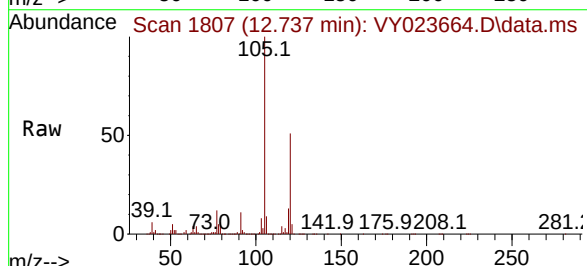
Acq: 04 Nov 2025 10:42

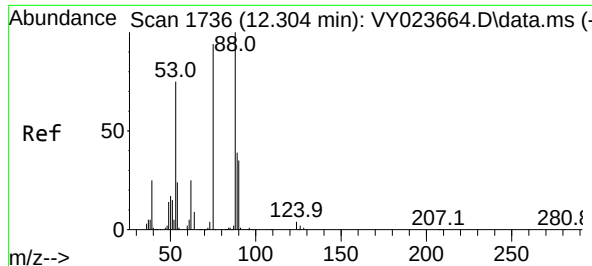
Tgt Ion:105 Resp: 1073705

Ion Ratio Lower Upper

105 100

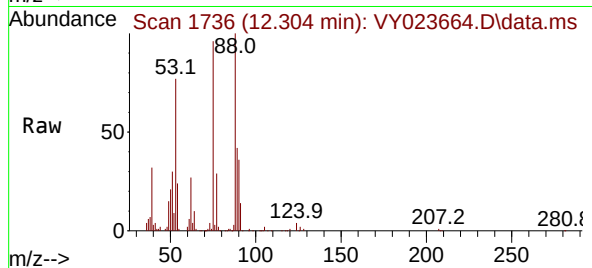
120 50.8 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 48.129 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

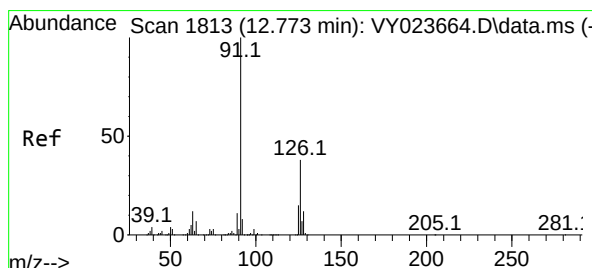
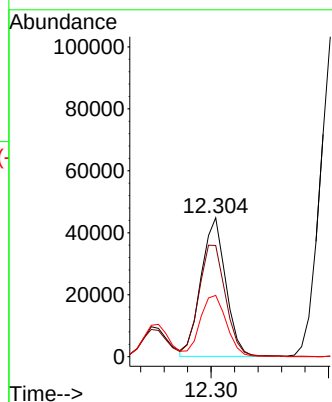
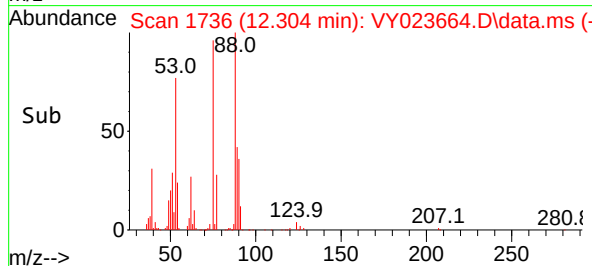
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 65310
Ion Ratio Lower Upper
75 100
53 87.0 69.6 104.4
89 47.8 38.2 57.4

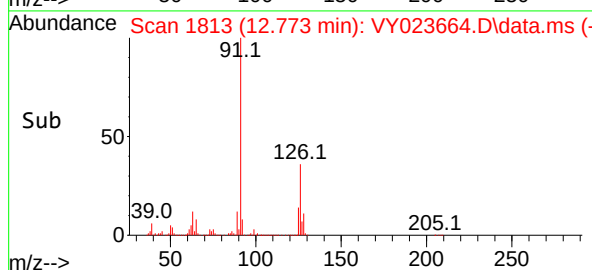
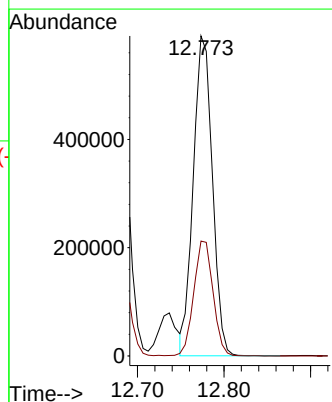
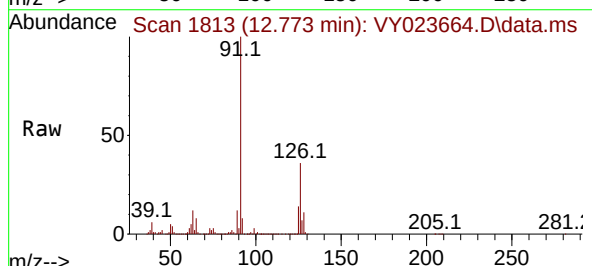
Manual Integrations
APPROVED

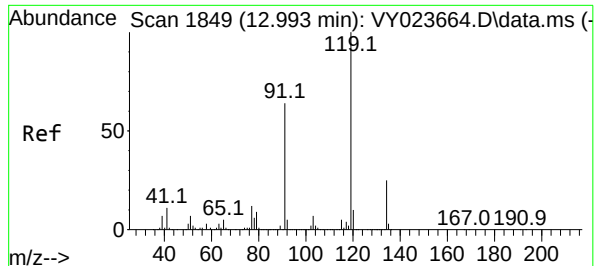
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 50.699 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

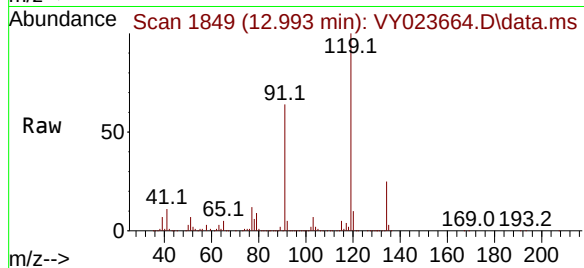
Tgt Ion: 91 Resp: 904469
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.4





#83
tert-Butylbenzene
Concen: 51.686 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

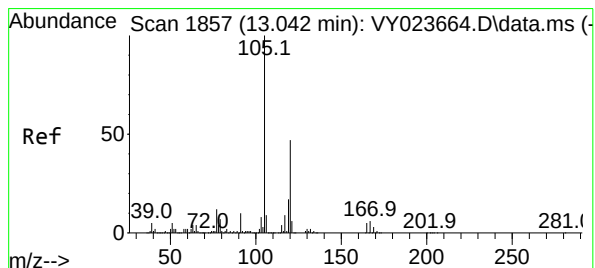
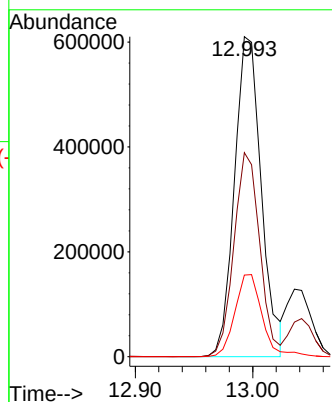
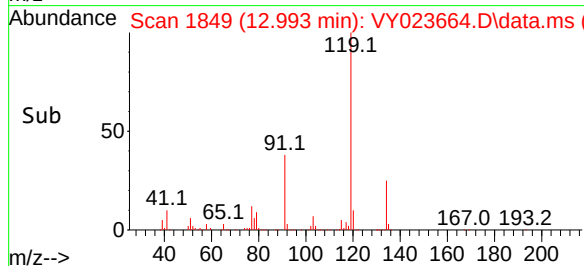
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 96932
Ion Ratio Lower Upper
119 100
91 61.4 30.7 92.1
134 26.1 13.1 39.1

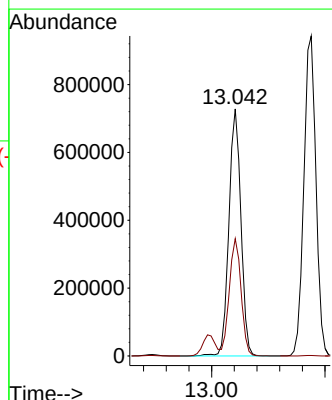
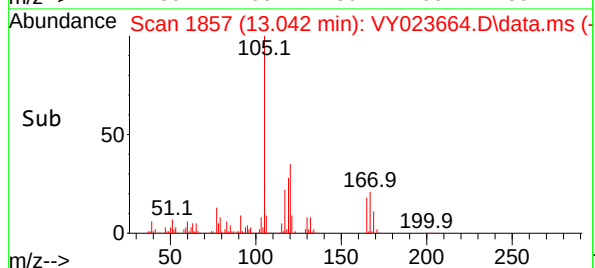
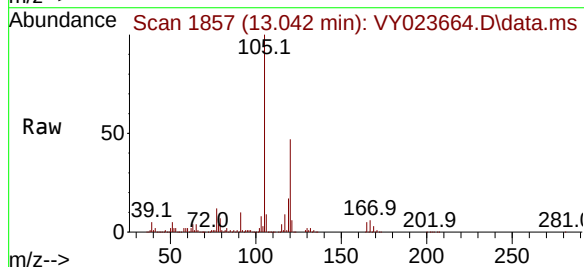
Manual Integrations
APPROVED

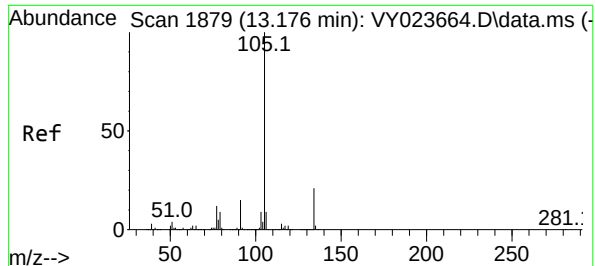
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.367 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

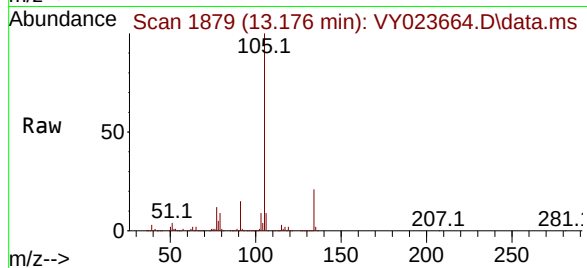
Tgt Ion:105 Resp: 1068009
Ion Ratio Lower Upper
105 100
120 46.4 23.2 69.6





#85
sec-Butylbenzene
Concen: 51.485 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

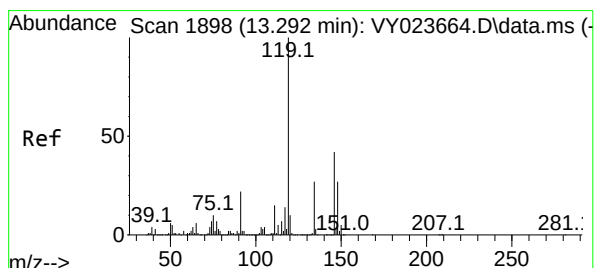
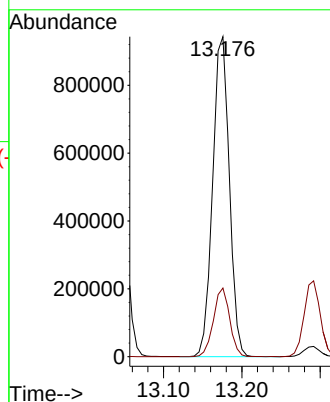
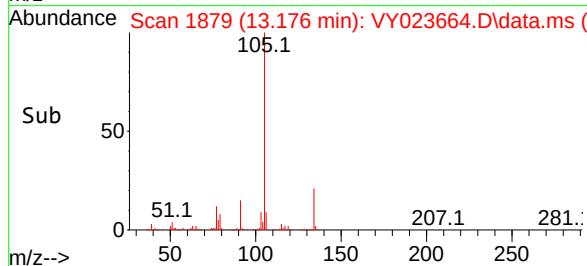
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 139265
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.4

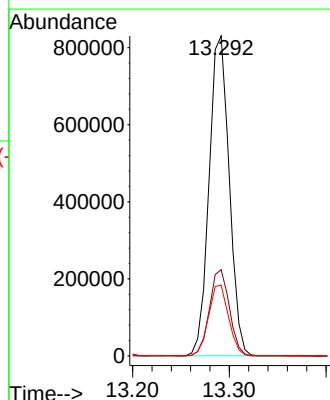
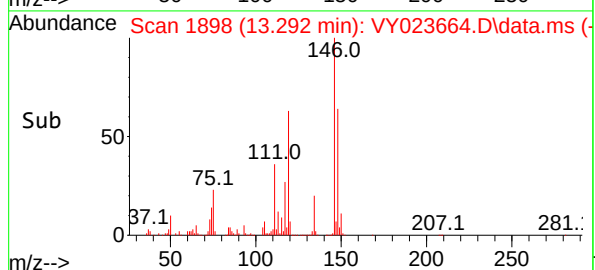
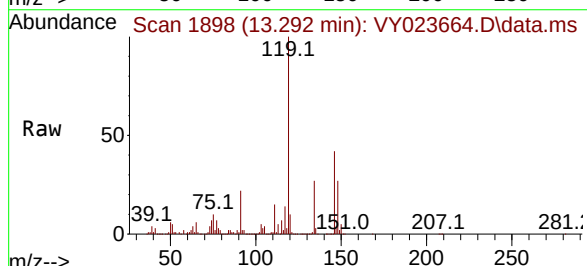
Manual Integrations
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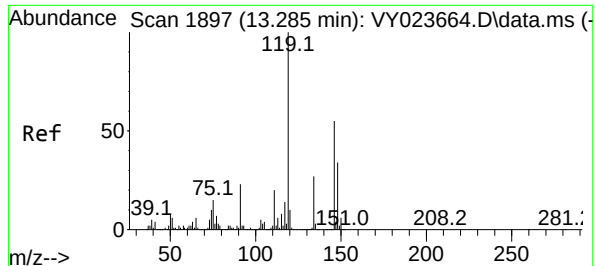
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 52.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion:119 Resp: 1199869
Ion Ratio Lower Upper
119 100
134 26.8 13.4 40.2
91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 49.605 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 641830

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

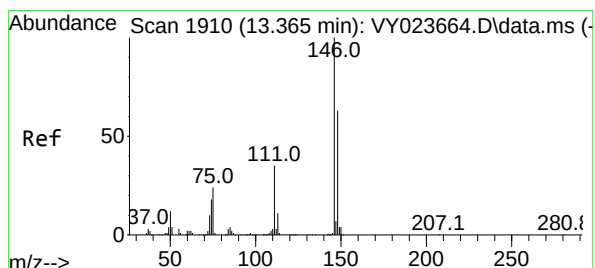
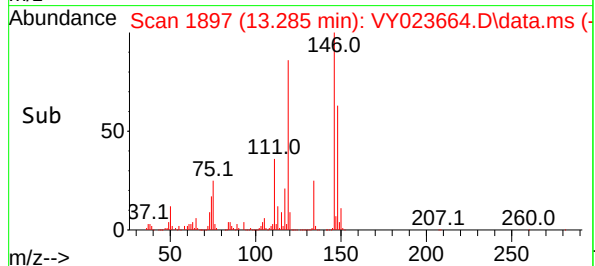
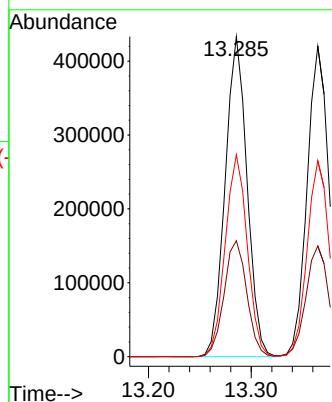
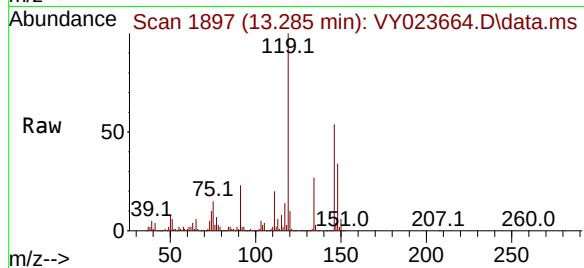
148 63.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 49.241 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

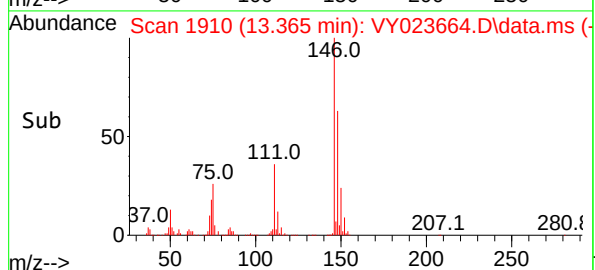
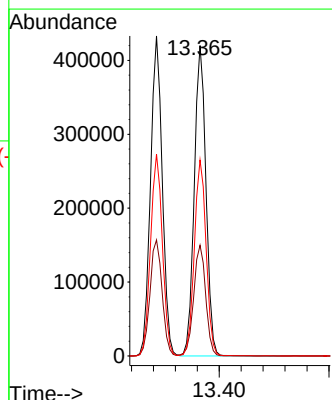
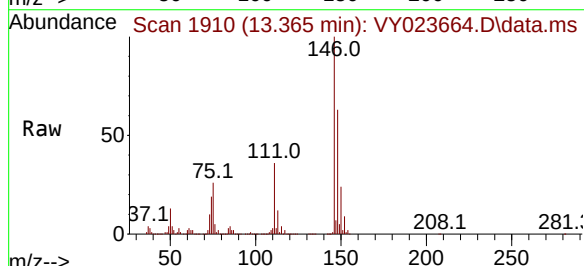
Tgt Ion:146 Resp: 625847

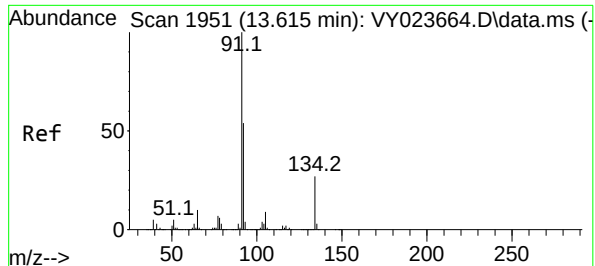
Ion Ratio Lower Upper

146 100

111 36.5 18.3 54.8

148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 52.370 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1042799

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

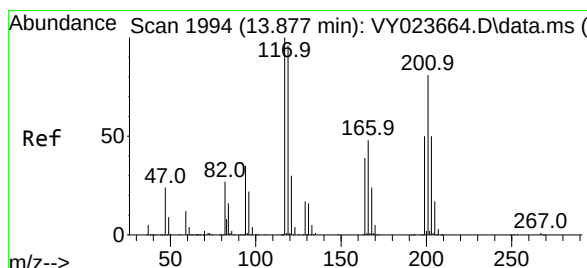
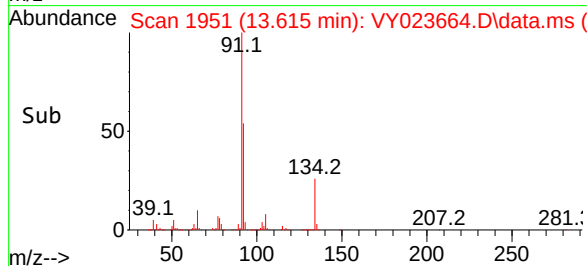
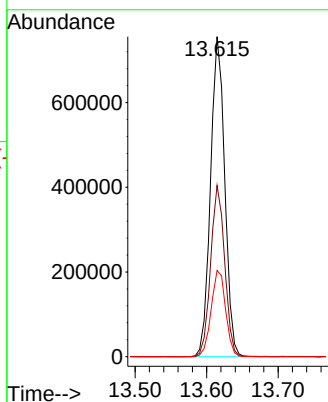
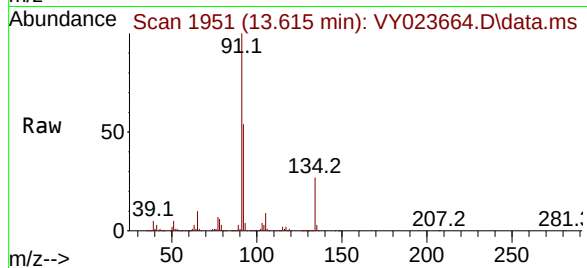
134 27.4 13.7 41.1

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 49.183 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023664.D

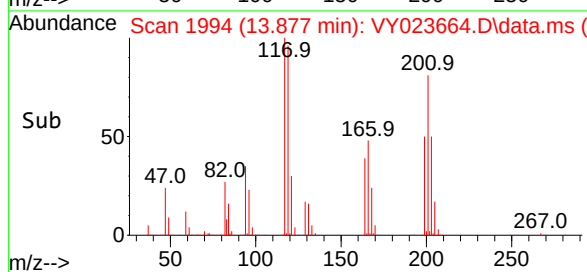
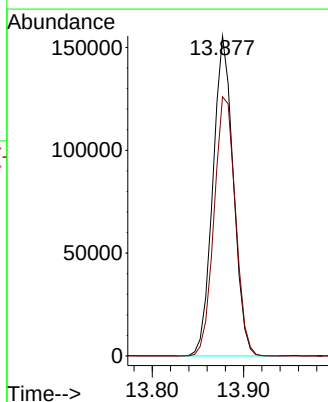
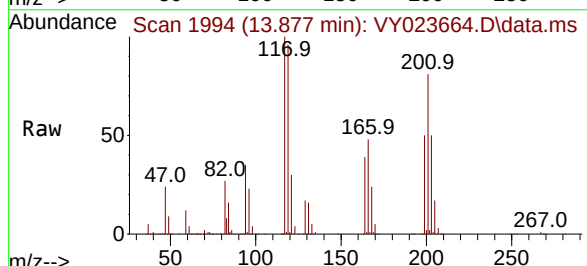
Acq: 04 Nov 2025 10:42

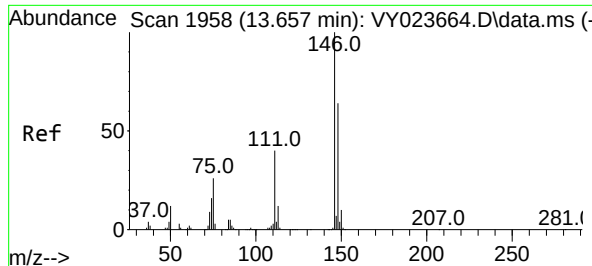
Tgt Ion:117 Resp: 242026

Ion Ratio Lower Upper

117 100

201 84.5 42.3 126.8





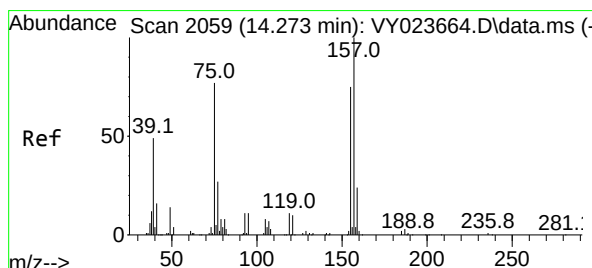
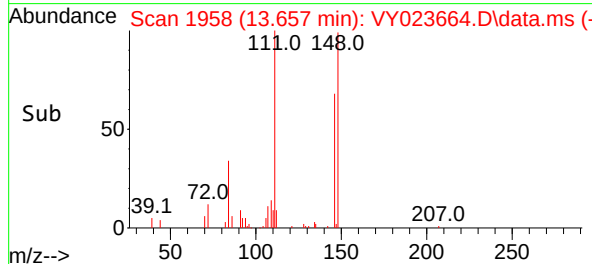
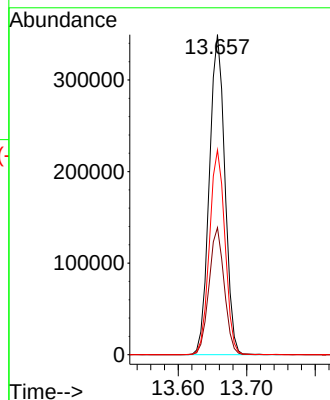
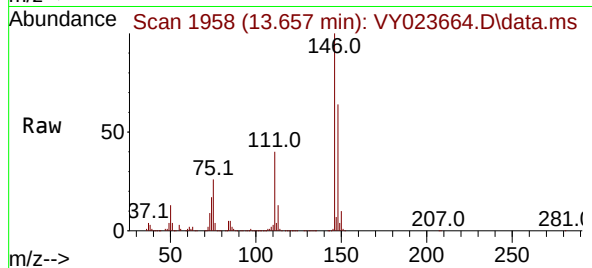
#91
1,2-Dichlorobenzene
Concen: 49.400 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 55083
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 63.9 31.9 95.9

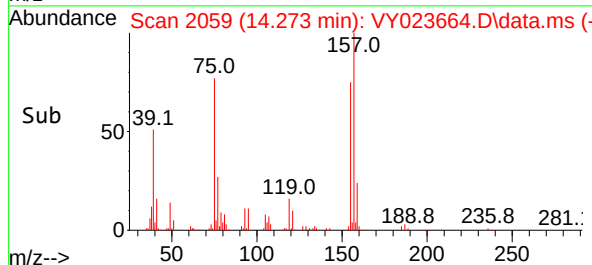
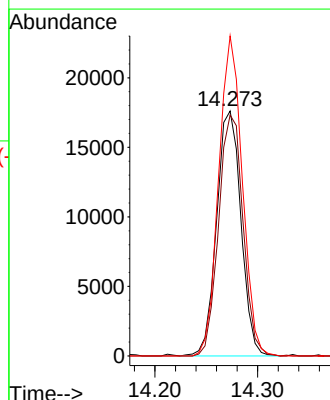
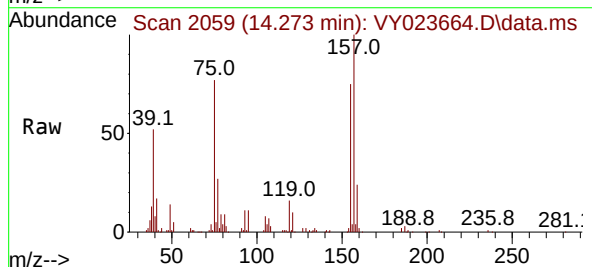
Manual Integrations
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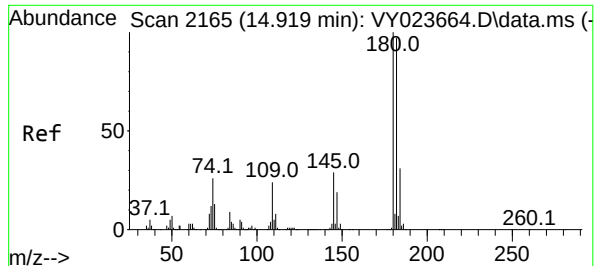
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.355 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

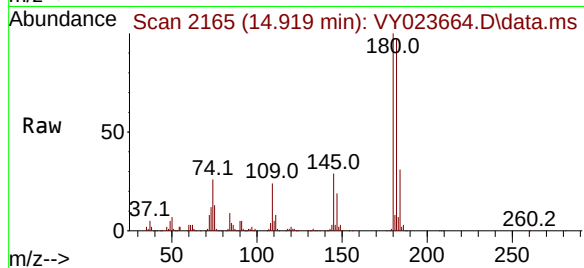
Tgt Ion: 75 Resp: 28889
Ion Ratio Lower Upper
75 100
155 98.8 49.4 148.2
157 126.5 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 50.677 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

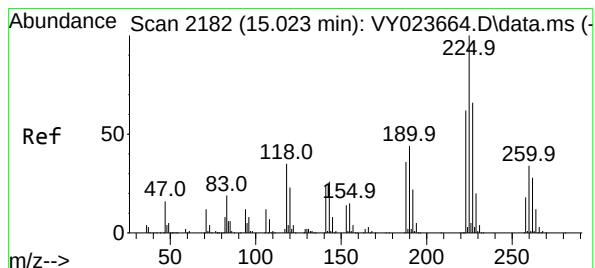
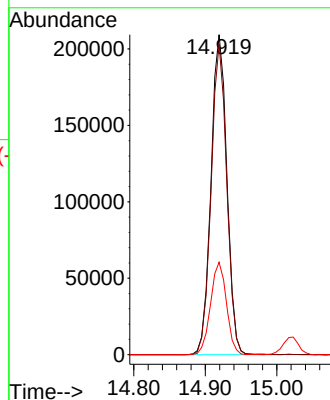
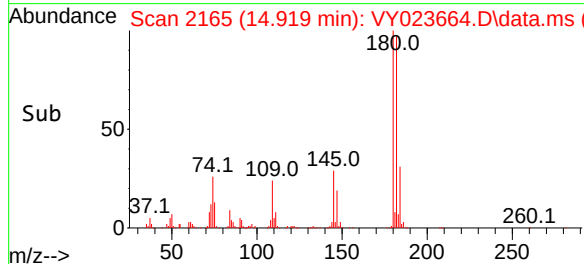
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:180 Resp: 323218
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.6
145 28.9 14.4 43.4

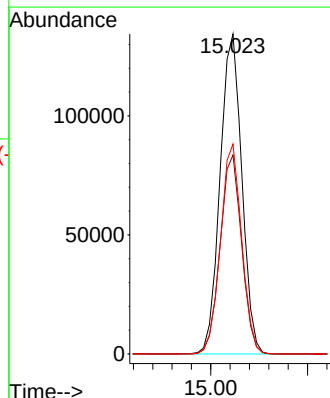
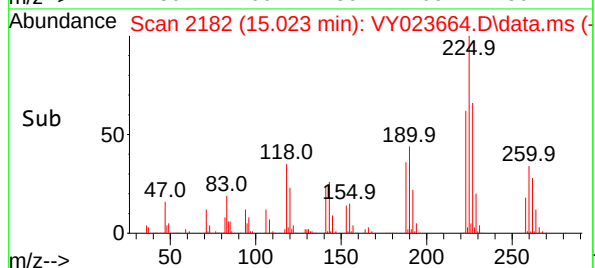
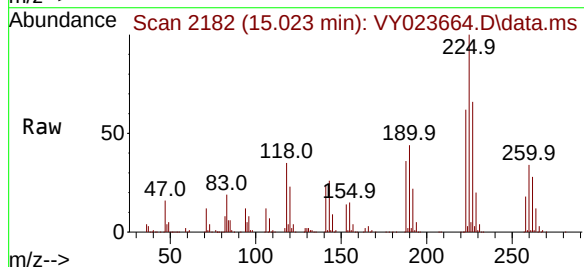
Manual Integrations
APPROVED

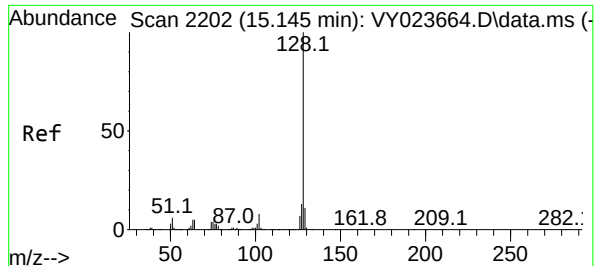
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

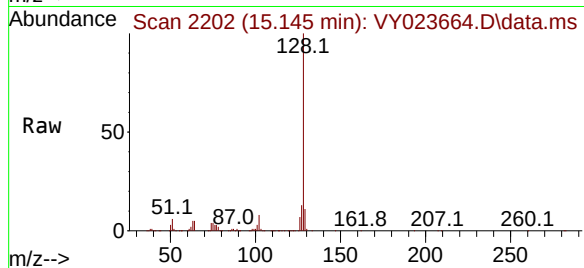
Tgt Ion:225 Resp: 209077
Ion Ratio Lower Upper
225 100
223 61.5 30.8 92.3
227 64.1 32.0 96.2





#95
Naphthalene
Concen: 44.734 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

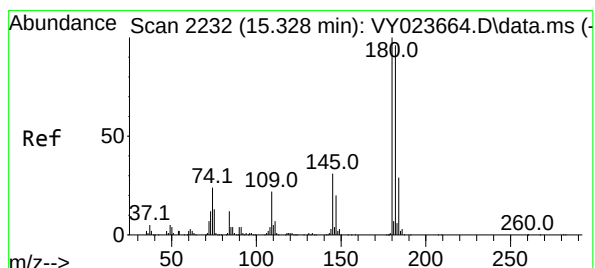
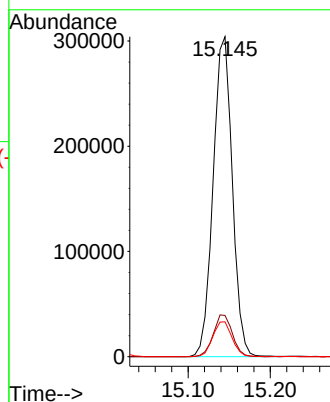
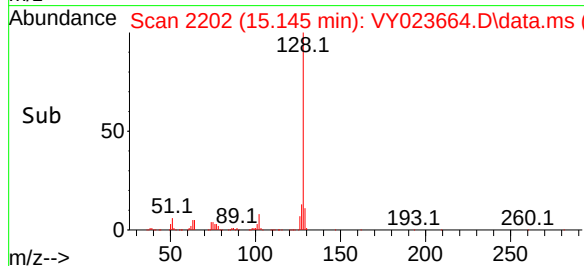
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 491880
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2

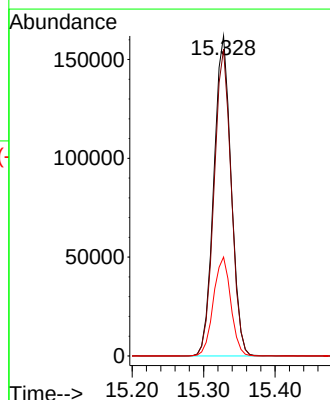
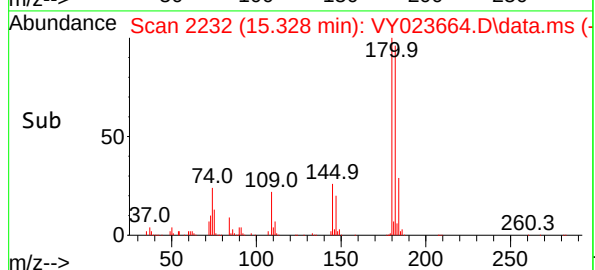
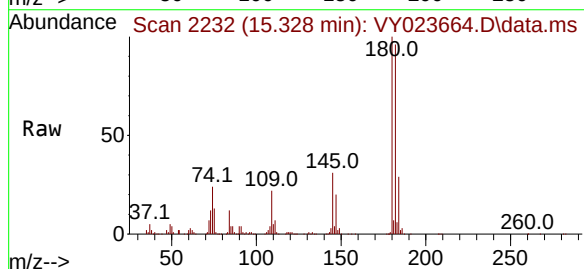
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.002 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion:180 Resp: 271777
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.6
145 31.0 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	565663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	831963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	740642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	480881	99.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.320%#			
35) Dibromofluoromethane	7.634	113	529343	101.812	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 203.620%#			
50) Toluene-d8	10.109	98	2036678	105.160	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.320%#			
62) 4-Bromofluorobenzene	12.402	95	665813	106.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.600%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	321162	86.493	ug/l	99
3) Chloromethane	2.074	50	479848	92.348	ug/l	99
4) Vinyl Chloride	2.208	62	629525	93.106	ug/l	99
5) Bromomethane	2.592	94	525066	92.319	ug/l	98
6) Chloroethane	2.733	64	445045	95.235	ug/l	99
7) Trichlorofluoromethane	3.056	101	884872	92.924	ug/l	100
8) Diethyl Ether	3.458	74	260634	102.064	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	496959	94.721	ug/l	100
10) Methyl Iodide	4.007	142	661306	106.741	ug/l	99
11) Tert butyl alcohol	4.860	59	149691	481.121	ug/l	98
12) 1,1-Dichloroethene	3.793	96	499345	98.802	ug/l	100
13) Acrolein	3.653	56	191158	478.014	ug/l	99
14) Allyl chloride	4.385	41	652452	106.061	ug/l	99
15) Acrylonitrile	5.061	53	521023	533.895	ug/l	99
16) Acetone	3.866	43	591155	492.879	ug/l	100
17) Carbon Disulfide	4.110	76	1505201	97.036	ug/l	99
18) Methyl Acetate	4.385	43	289722	109.515	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1280442	109.260	ug/l	100
20) Methylene Chloride	4.616	84	538051	92.927	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	576752	101.211	ug/l	97
22) Diisopropyl ether	6.025	45	1476751	107.734	ug/l	98
23) Vinyl Acetate	5.964	43	4052575	554.021	ug/l	99
24) 1,1-Dichloroethane	5.921	63	920205	100.771	ug/l	99
25) 2-Butanone	6.890	43	716857	516.946	ug/l	100
26) 2,2-Dichloropropane	6.890	77	836165	99.545	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	677651	104.123	ug/l	100
28) Bromochloromethane	7.250	49	351637	100.569	ug/l	99
29) Tetrahydrofuran	7.262	42	407174	551.338	ug/l	98
30) Chloroform	7.421	83	1015475	99.668	ug/l	100
31) Cyclohexane	7.701	56	785863	98.820	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	908433	99.760	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702866	101.168	ug/l	99
37) Ethyl Acetate	6.988	43	287737	106.984	ug/l	99
38) Carbon Tetrachloride	7.817	117	821264	100.329	ug/l	99
39) Methylcyclohexane	9.109	83	946648	106.639	ug/l	99
40) Benzene	8.079	78	2238265	102.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	162465	113.249	ug/l	97
42) 1,2-Dichloroethane	8.158	62	564693	101.924	ug/l	99
43) Isopropyl Acetate	8.201	43	559293	110.678	ug/l #	87
44) Trichloroethene	8.866	130	626949	99.676	ug/l	97
45) 1,2-Dichloropropane	9.140	63	494430	102.300	ug/l	99
46) Dibromomethane	9.231	93	308450	103.001	ug/l	99
47) Bromodichloromethane	9.426	83	780217	103.338	ug/l	98
48) Methyl methacrylate	9.219	41	273819	114.688	ug/l	98
49) 1,4-Dioxane	9.231	88	66284	2162.837	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	1509447	561.674	ug/l	99
52) Toluene	10.170	92	1494139	106.868	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	708290	110.869	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	824093	107.667	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	414987	103.695	ug/l	96
56) Ethyl methacrylate	10.438	69	529329	120.046	ug/l	98
57) 1,3-Dichloropropane	10.719	76	663870	104.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1213712	599.849	ug/l	99
59) 2-Hexanone	10.762	43	1099726	560.896	ug/l	99
60) Dibromochloromethane	10.914	129	577908	105.098	ug/l	100
61) 1,2-Dibromoethane	11.018	107	396076	105.457	ug/l	99
64) Tetrachloroethene	10.646	164	741118	96.137	ug/l	99
65) Chlorobenzene	11.438	112	1639055	101.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	583207	102.290	ug/l	99
67) Ethyl Benzene	11.518	91	2825731	108.283	ug/l	99
68) m/p-Xylenes	11.627	106	2241551	214.992	ug/l	99
69) o-Xylene	11.950	106	1062605	110.253	ug/l	99
70) Styrene	11.969	104	1753830	110.290	ug/l	100
71) Bromoform	12.133	173	351826	105.656	ug/l	99
73) Isopropylbenzene	12.255	105	2698043	108.880	ug/l	100
74) N-amyl acetate	12.066	43	491427	117.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	421715	106.557	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	294519m	98.221	ug/l	
77) Bromobenzene	12.530	156	677938	105.471	ug/l	98
78) n-propylbenzene	12.591	91	3116044	106.906	ug/l	99
79) 2-Chlorotoluene	12.676	91	1783319	105.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2181015	108.328	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	142192	107.168	ug/l	99
82) 4-Chlorotoluene	12.773	91	1818934	104.277	ug/l	100
83) tert-Butylbenzene	12.993	119	2013210	109.789	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2172108	108.924	ug/l	99
85) sec-Butylbenzene	13.176	105	2838051	107.306	ug/l	100
86) p-Isopropyltoluene	13.286	119	2438892	108.929	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	1292429	102.159	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1243927	100.096	ug/l	99
89) n-Butylbenzene	13.615	91	2131963	109.503	ug/l	98
90) Hexachloroethane	13.877	117	492034	102.262	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1107343	101.567	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	64052	105.113	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	691314	110.855	ug/l	100
94) Hexachlorobutadiene	15.023	225	415145	101.602	ug/l	99
95) Naphthalene	15.139	128	1145310	99.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	579136	111.152	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023665.D
Acq On : 04 Nov 2025 11:05
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

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

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

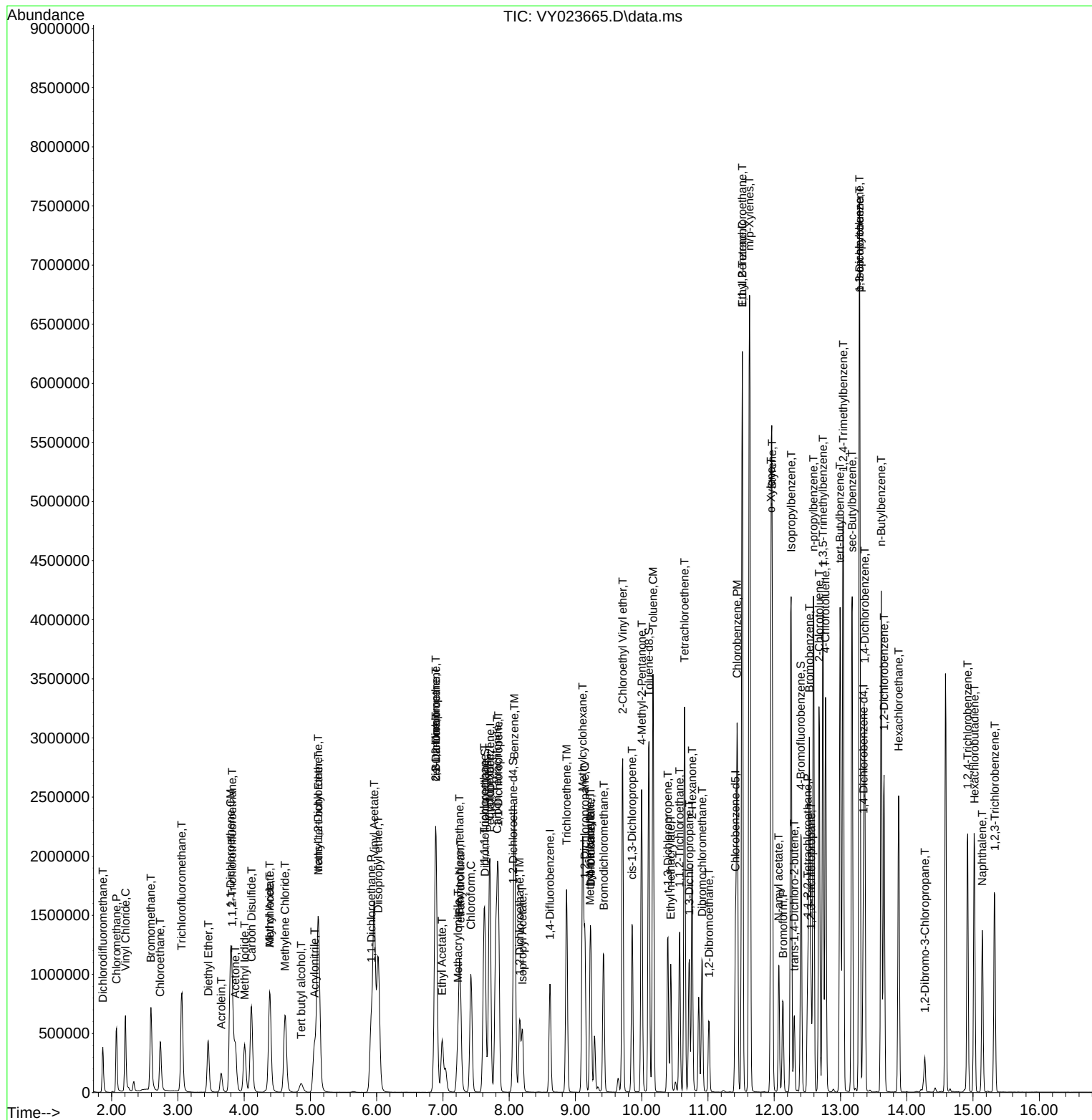
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 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

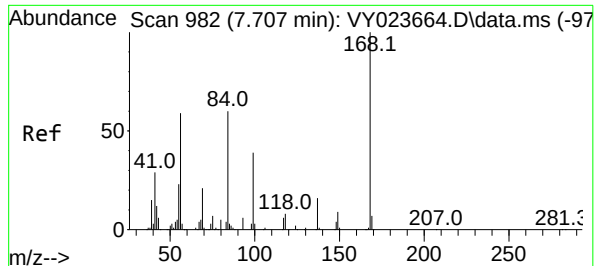
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

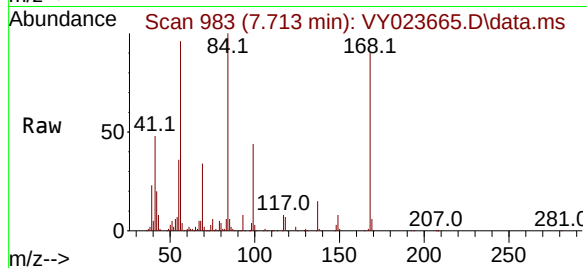
Quant Time: Nov 05 04:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

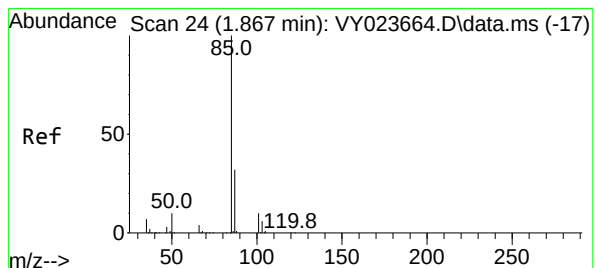
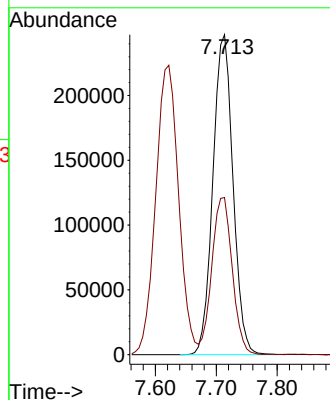
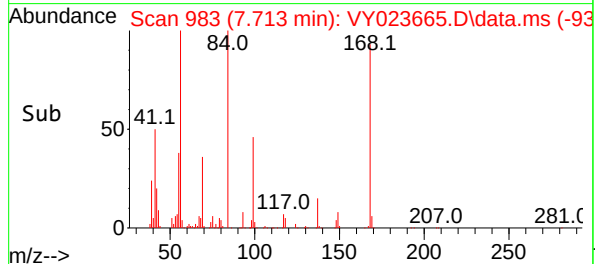
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 56566
Ion Ratio Lower Upper
168 100
99 49.0 41.0 61.4

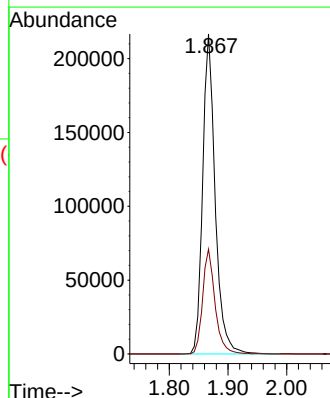
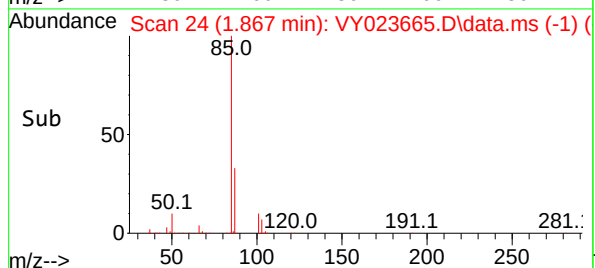
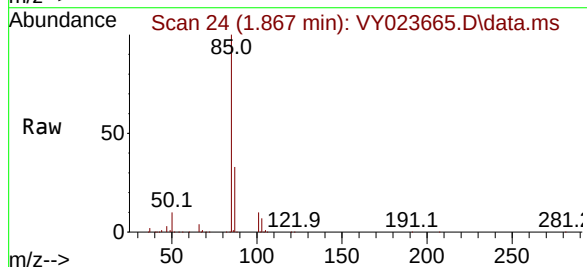
Manual Integrations
APPROVED

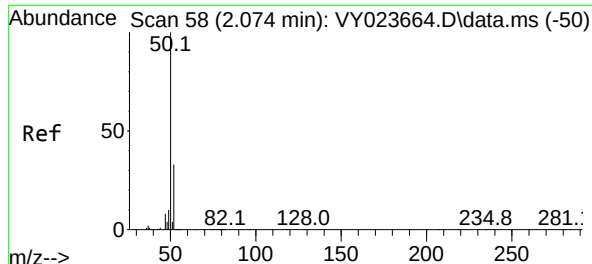
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 86.493 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 85 Resp: 321162
Ion Ratio Lower Upper
85 100
87 32.8 16.2 48.6





#3

Chloromethane

Concen: 92.348 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 47984

Ion Ratio Lower Upper

50 100

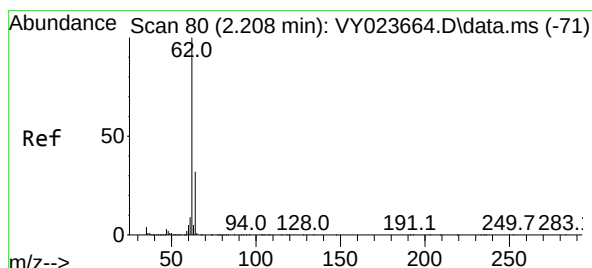
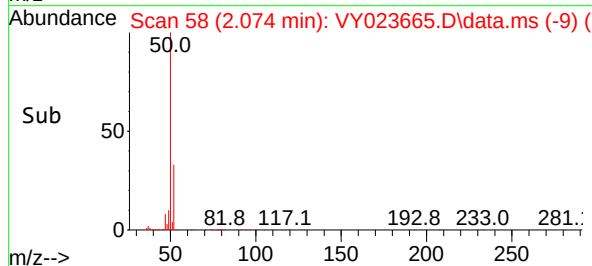
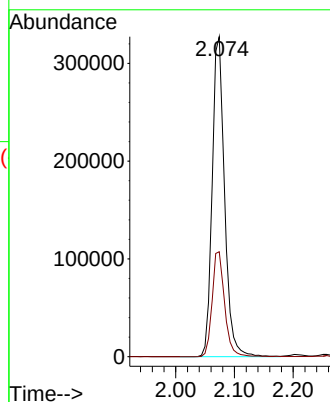
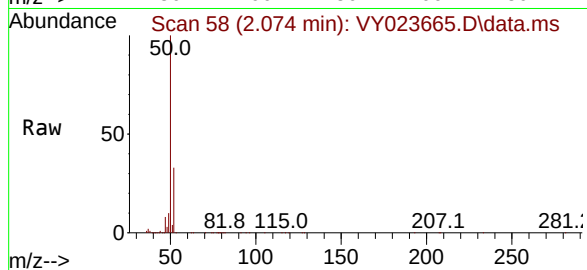
52 32.8 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#4

Vinyl Chloride

Concen: 93.106 ug/l

RT: 2.208 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023665.D

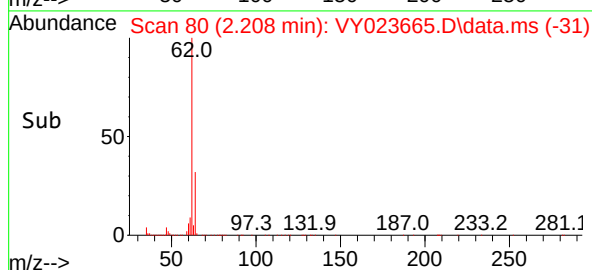
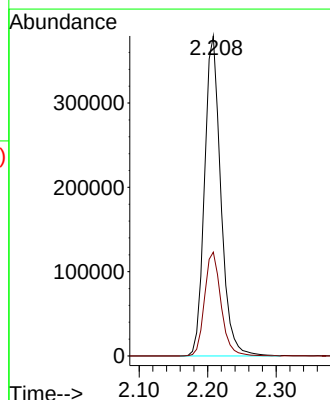
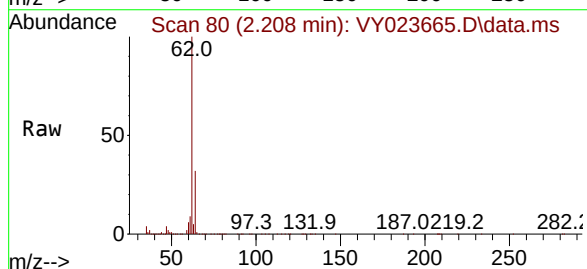
Acq: 04 Nov 2025 11:05

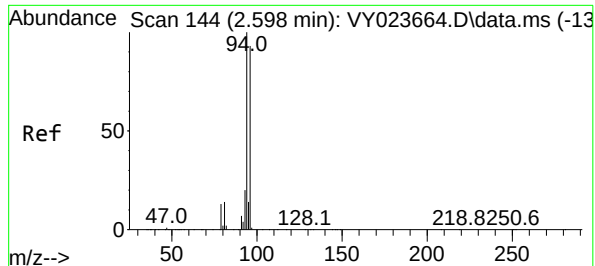
Tgt Ion: 62 Resp: 629525

Ion Ratio Lower Upper

62 100

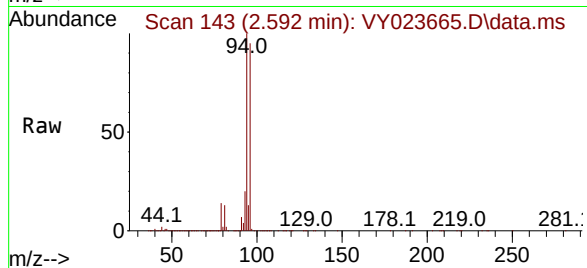
64 32.5 25.7 38.5





#5
Bromomethane
Concen: 92.319 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

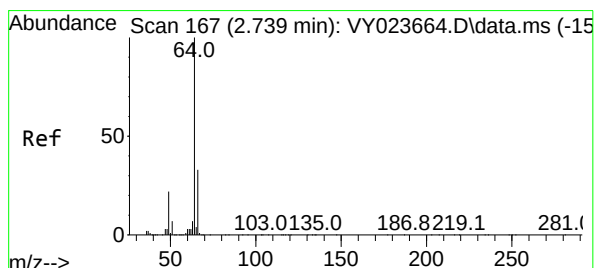
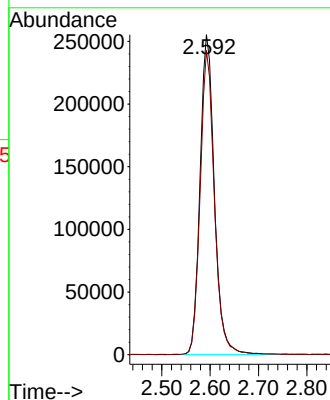
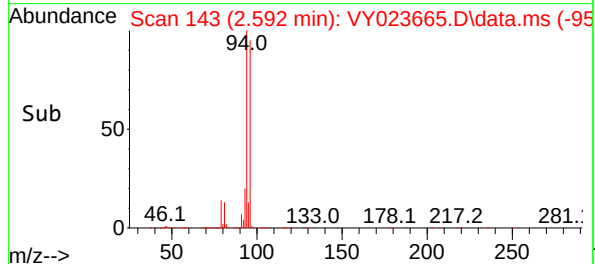
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



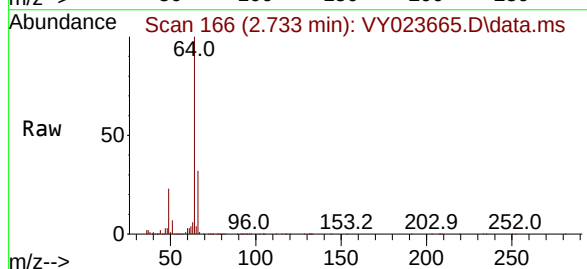
Tgt Ion: 94 Resp: 525060
Ion Ratio Lower Upper
94 100
96 95.0 74.4 111.6

Manual Integrations
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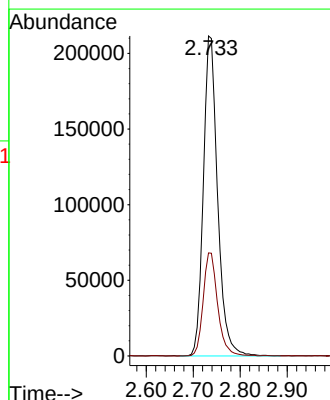
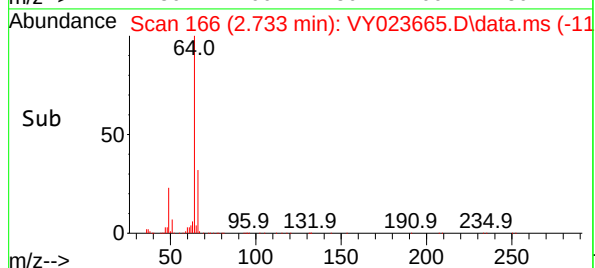
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

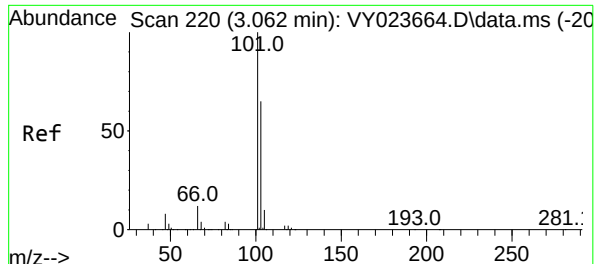


#6
Chloroethane
Concen: 95.235 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



Tgt Ion: 64 Resp: 445045
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





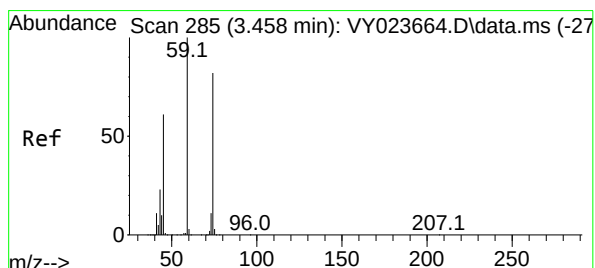
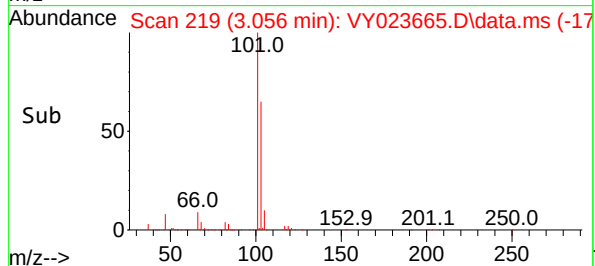
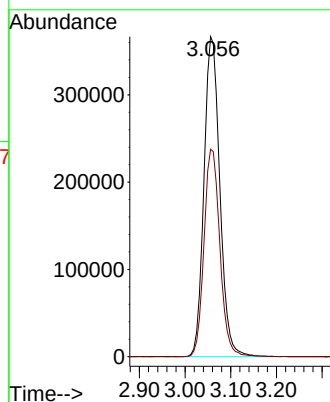
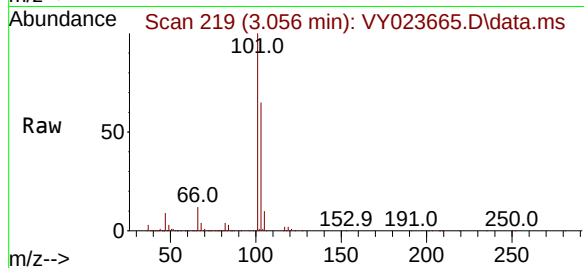
#7
Trichlorofluoromethane
Concen: 92.924 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 884872
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

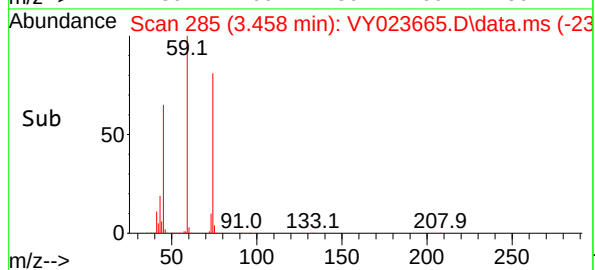
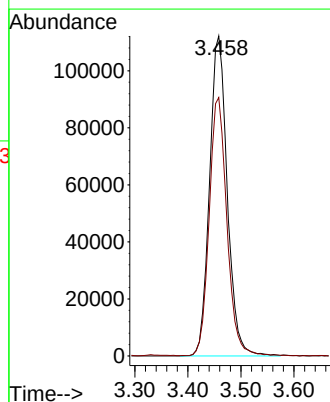
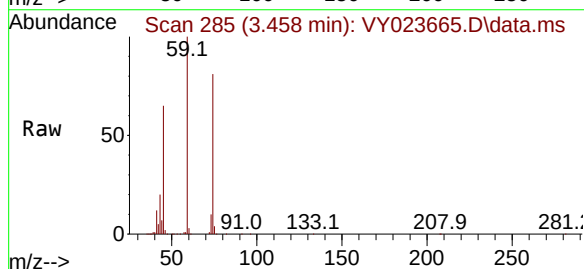
Manual Integrations
APPROVED

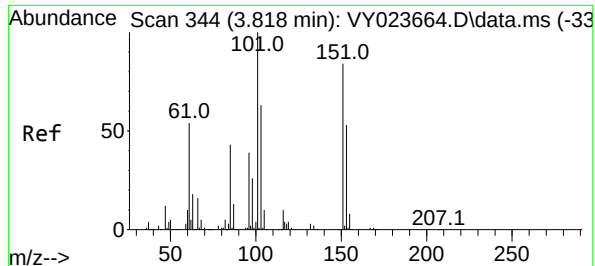
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 102.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

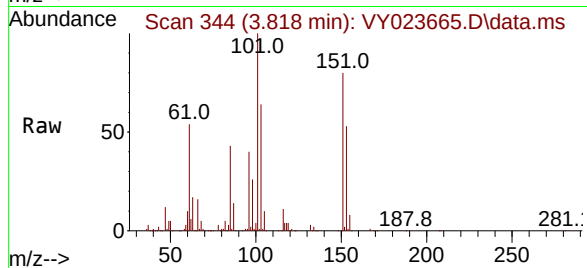
Tgt Ion: 74 Resp: 260634
Ion Ratio Lower Upper
74 100
45 80.7 40.6 121.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.721 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

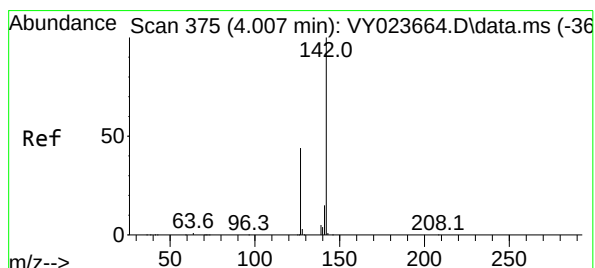
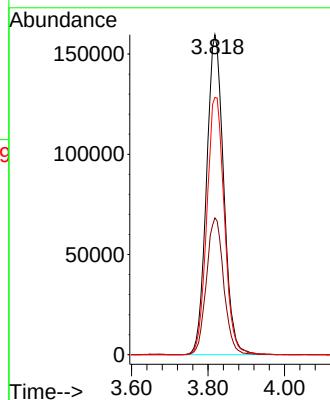
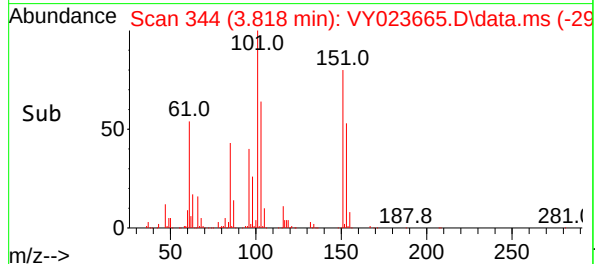
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 496959
Ion Ratio Lower Upper
101 100
85 43.2 34.4 51.6
151 82.0 65.6 98.4

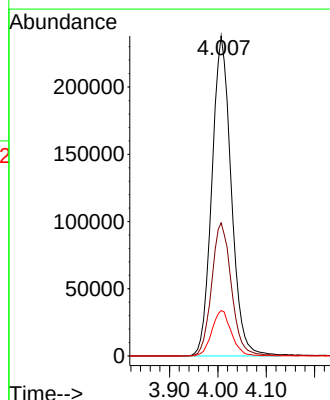
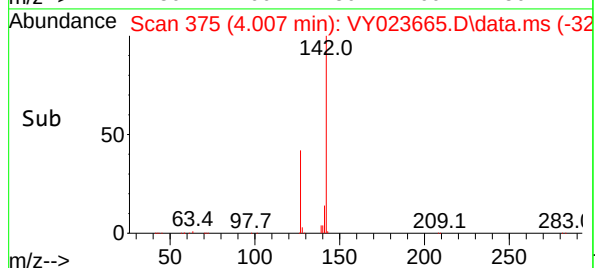
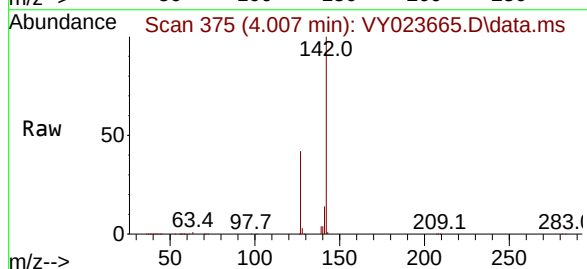
Manual Integrations
APPROVED

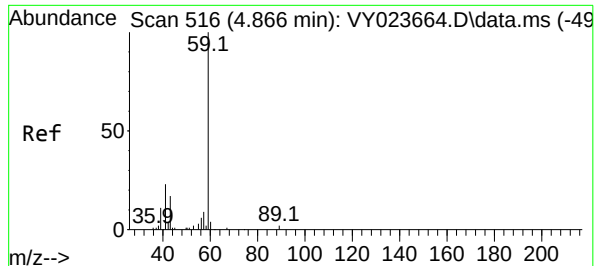
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 106.741 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:142 Resp: 661306
Ion Ratio Lower Upper
142 100
127 42.6 34.6 51.8
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 481.121 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 14969

Ion Ratio Lower Upper

59 100

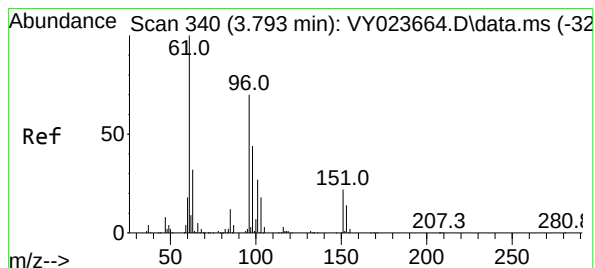
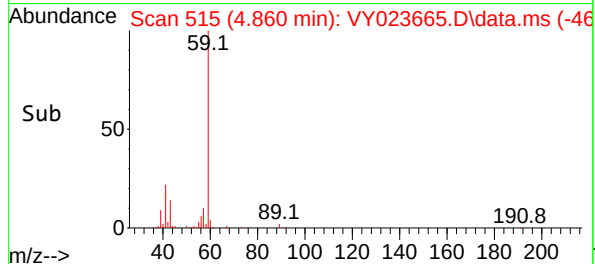
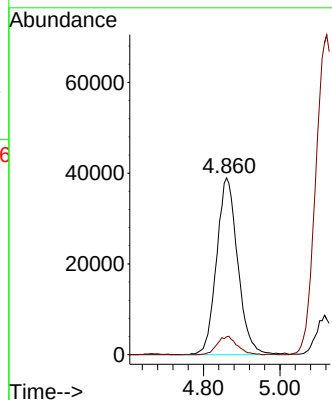
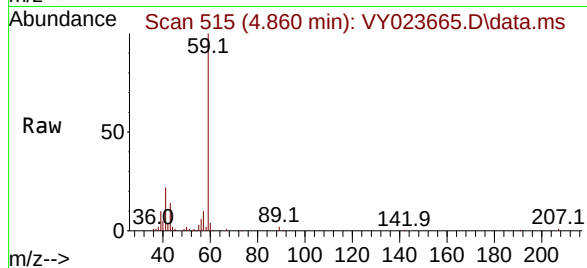
57 9.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 98.802 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

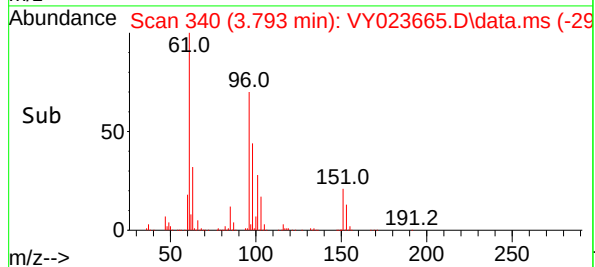
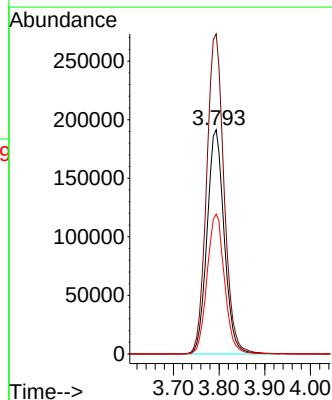
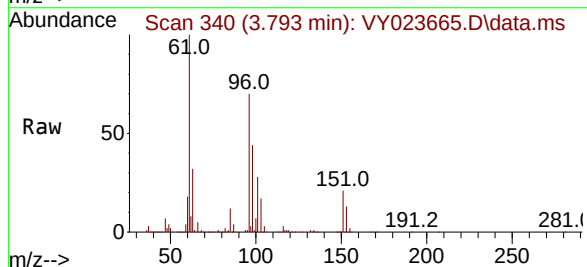
Tgt Ion: 96 Resp: 499345

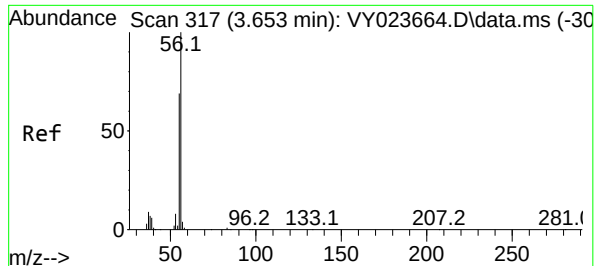
Ion Ratio Lower Upper

96 100

61 142.8 114.0 171.0

98 62.4 50.2 75.2





#13

Acrolein

Concen: 478.014 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 191158

Ion Ratio Lower Upper

56 100

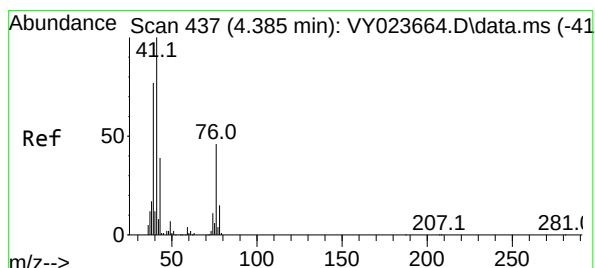
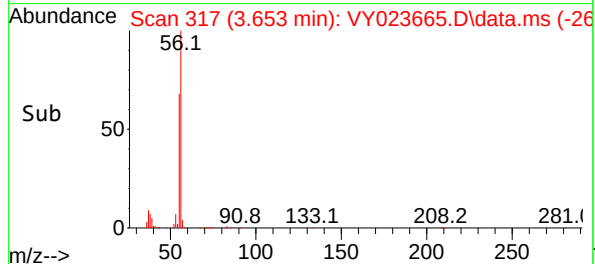
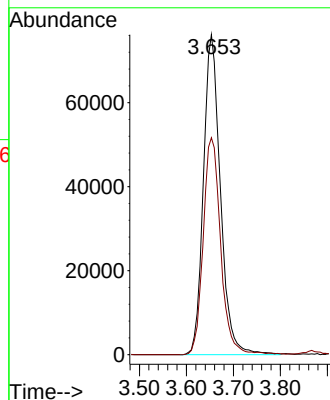
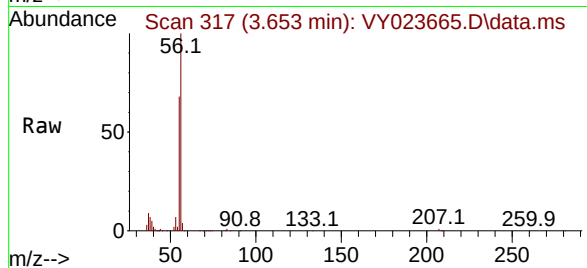
55 69.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 106.061 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

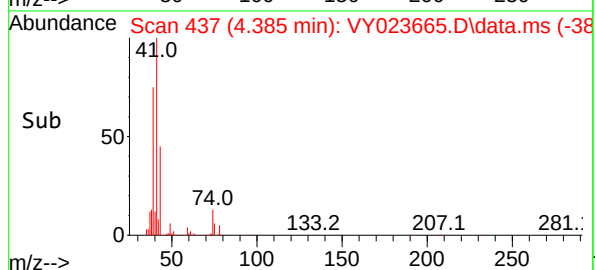
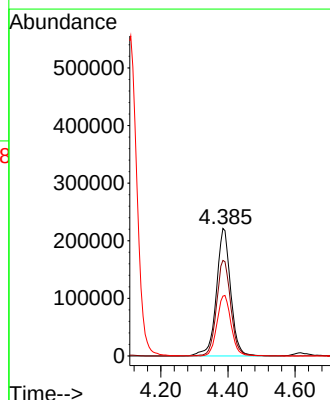
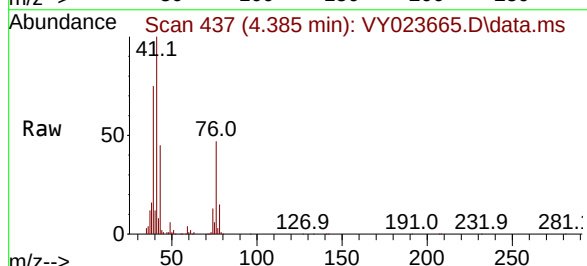
Tgt Ion: 41 Resp: 652452

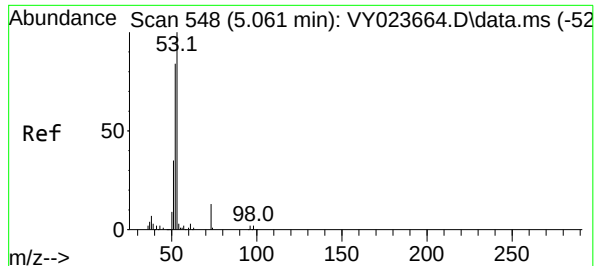
Ion Ratio Lower Upper

41 100

39 74.9 60.4 90.6

76 46.6 38.0 57.0





#15

Acrylonitrile

Concen: 533.895 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 521023

Ion Ratio Lower Upper

53 100

52 80.3 64.9 97.3

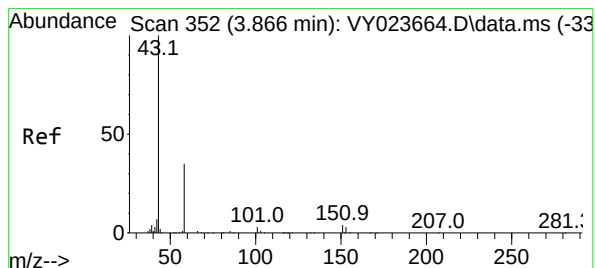
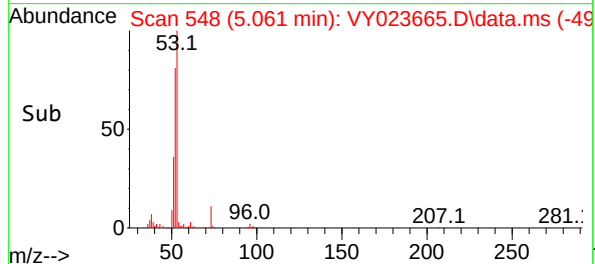
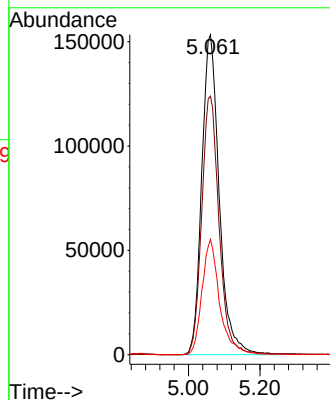
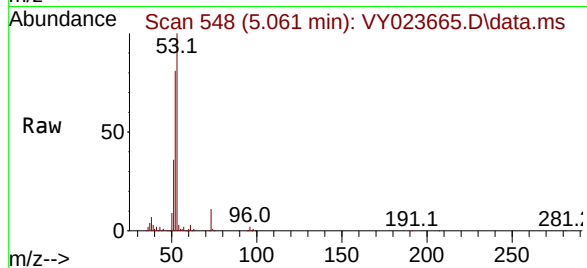
51 36.4 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 492.879 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023665.D

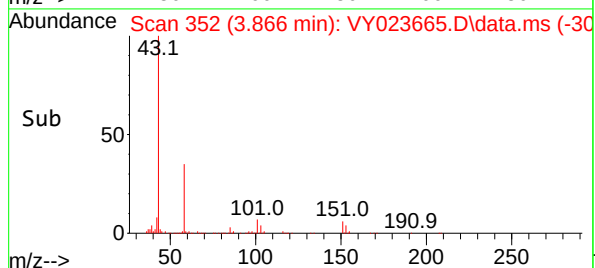
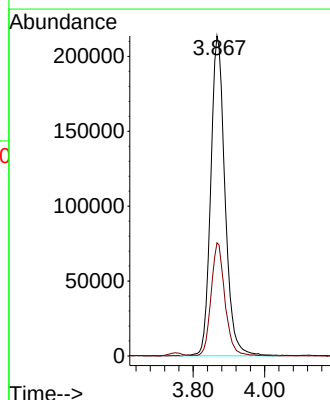
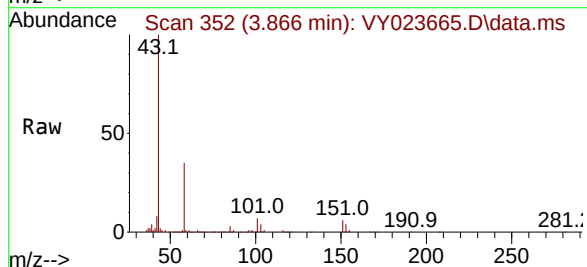
Acq: 04 Nov 2025 11:05

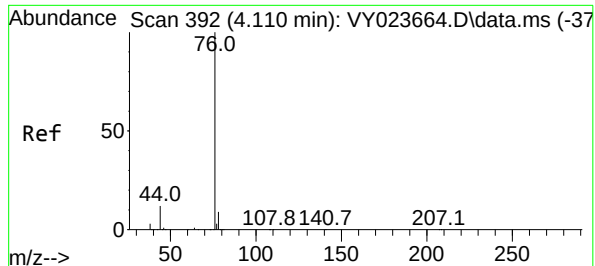
Tgt Ion: 43 Resp: 591155

Ion Ratio Lower Upper

43 100

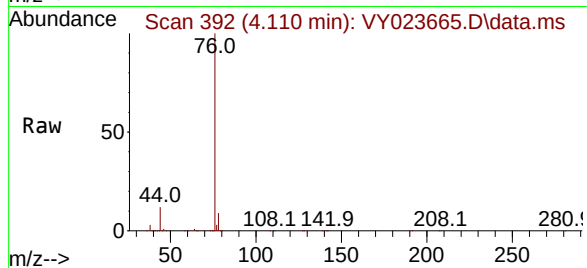
58 35.3 28.2 42.4





#17
Carbon Disulfide
Concen: 97.036 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

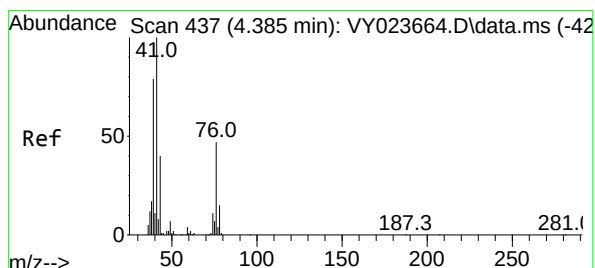
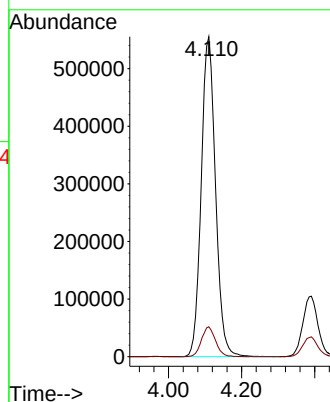
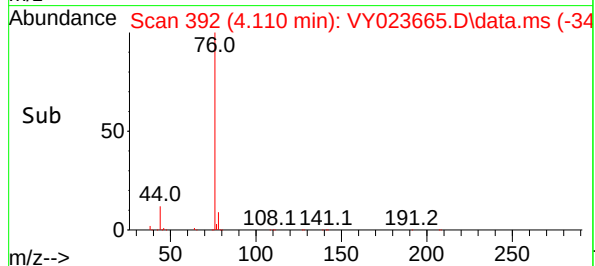
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 76 Resp: 150520
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

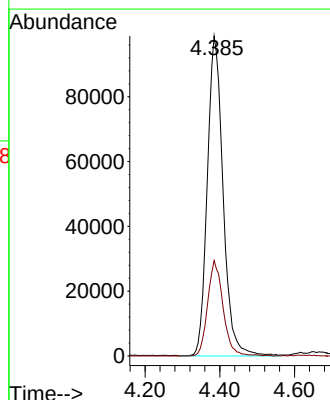
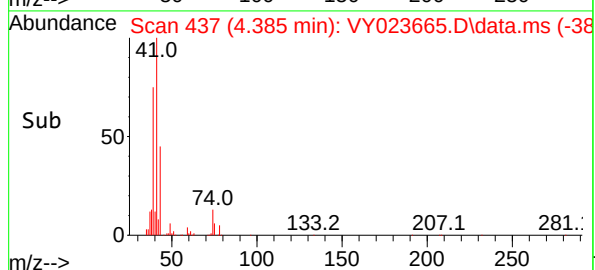
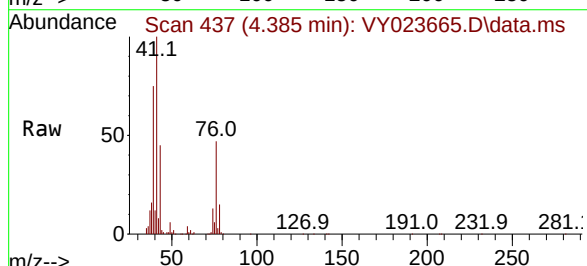
Manual Integrations
APPROVED

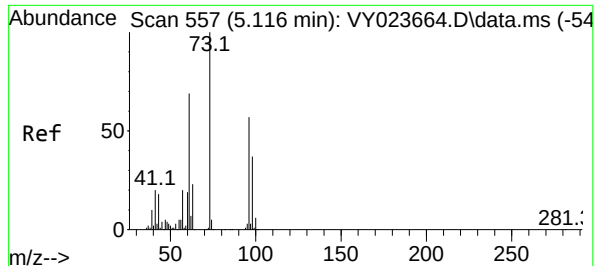
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 109.515 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 43 Resp: 289722
Ion Ratio Lower Upper
43 100
74 29.1 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 109.260 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 128044

Ion Ratio Lower Upper

73 100

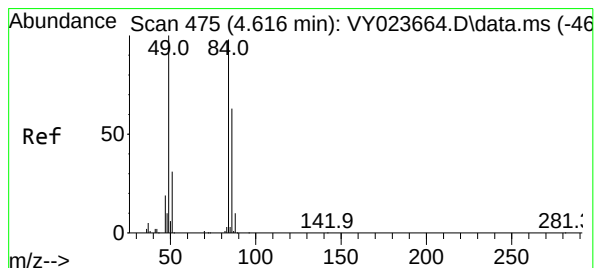
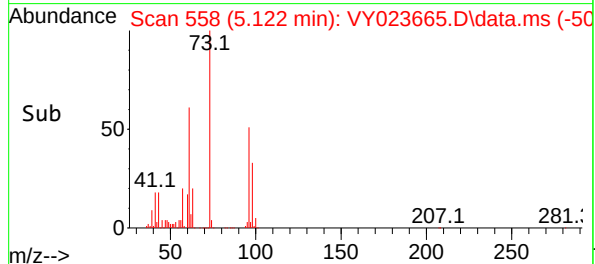
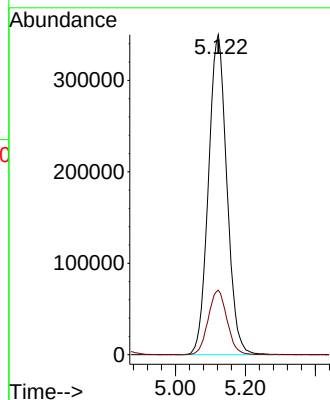
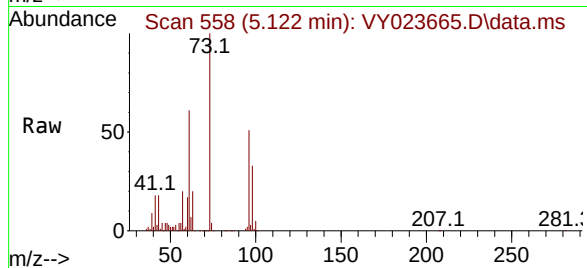
57 20.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 92.927 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Tgt Ion: 84 Resp: 538051

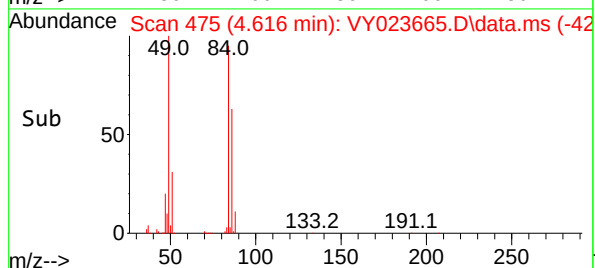
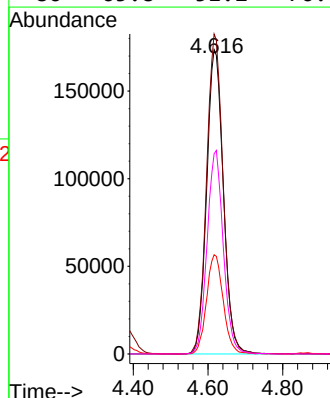
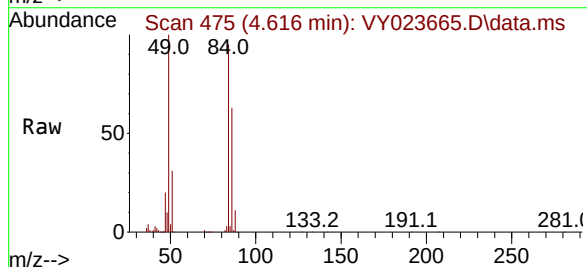
Ion Ratio Lower Upper

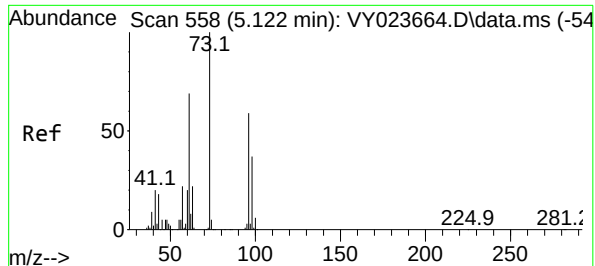
84 100

49 105.2 81.5 122.3

51 32.6 25.5 38.3

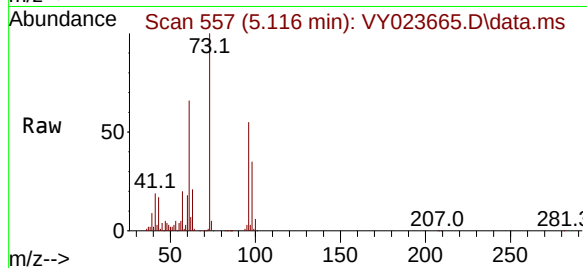
86 65.8 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 101.211 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

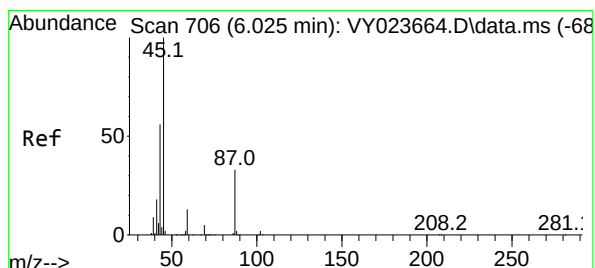
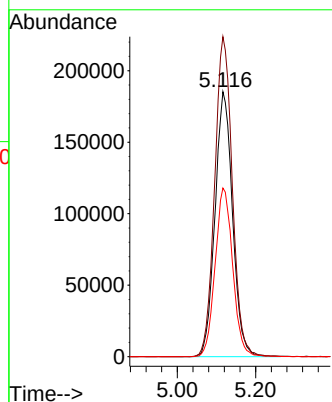
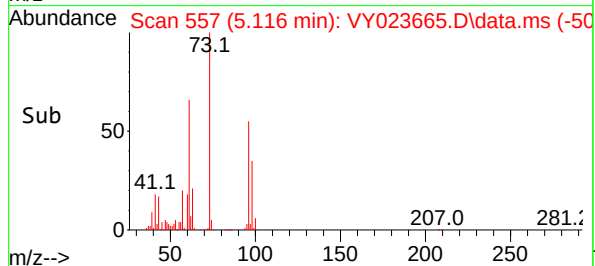
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 576752
Ion Ratio Lower Upper
96 100
61 120.8 93.3 139.9
98 63.6 50.6 75.8

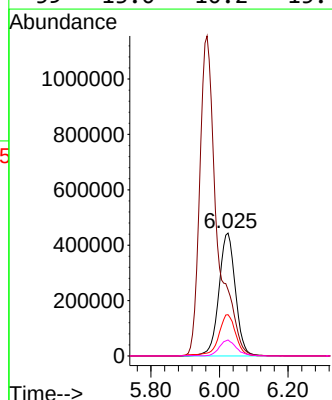
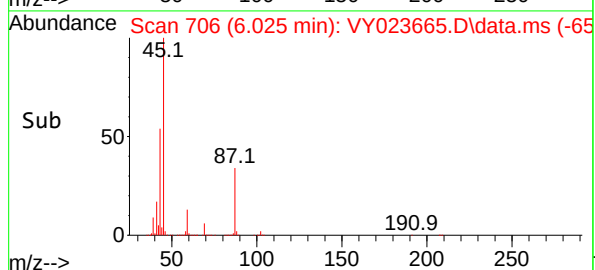
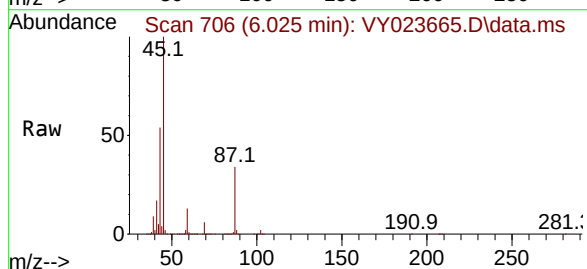
Manual Integrations
APPROVED

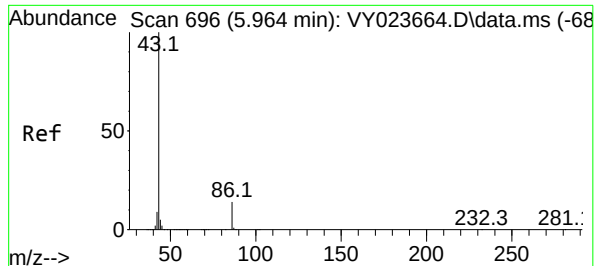
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 107.734 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

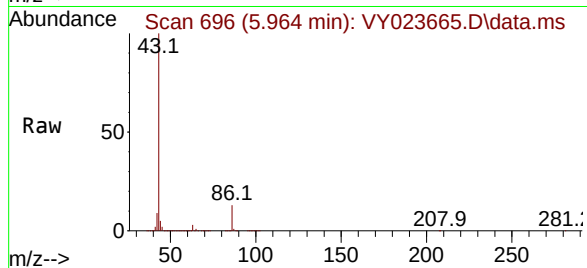
Tgt Ion: 45 Resp: 1476751
Ion Ratio Lower Upper
45 100
43 53.9 44.7 67.1
87 33.6 27.2 40.8
59 13.0 10.2 15.4





#23
Vinyl Acetate
Concen: 554.021 ug/l
RT: 5.964 min Scan# 696
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

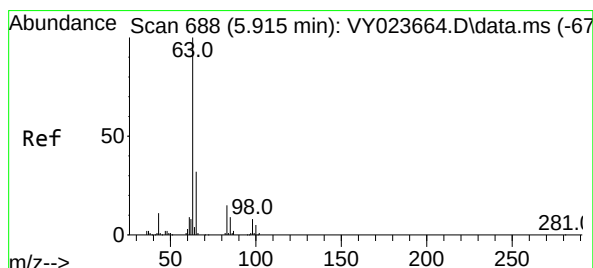
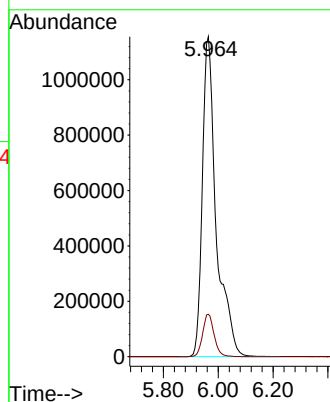
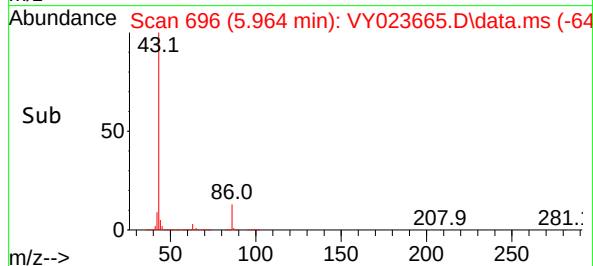
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



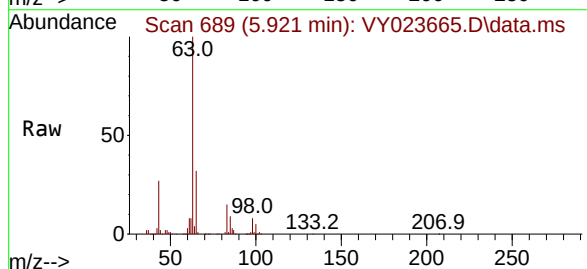
Tgt Ion: 43 Resp: 405257
Ion Ratio Lower Upper
43 100
86 13.3 10.9 16.3

Manual Integrations
APPROVED

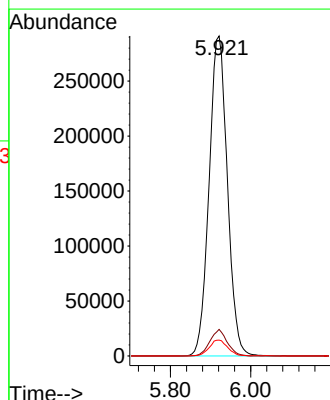
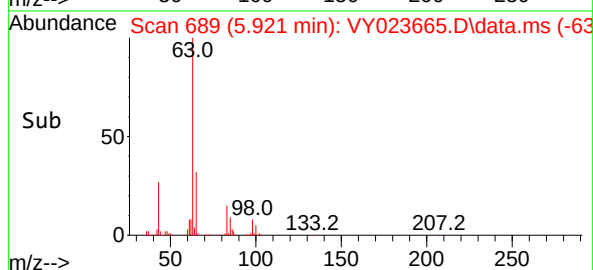
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

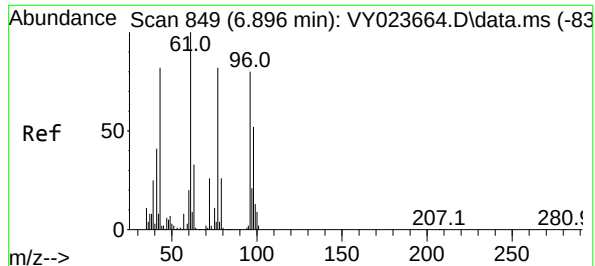


#24
1,1-Dichloroethane
Concen: 100.771 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



Tgt Ion: 63 Resp: 920205
Ion Ratio Lower Upper
63 100
98 8.3 4.0 11.9
100 5.0 2.6 7.8





#25

2-Butanone

Concen: 516.946 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 71685

Ion Ratio Lower Upper

43 100

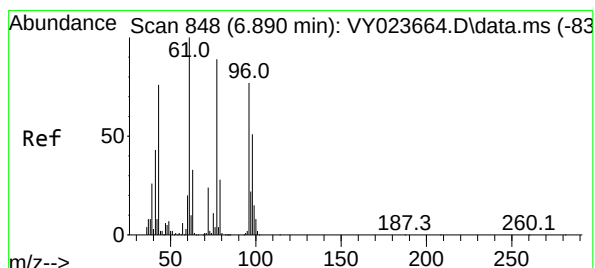
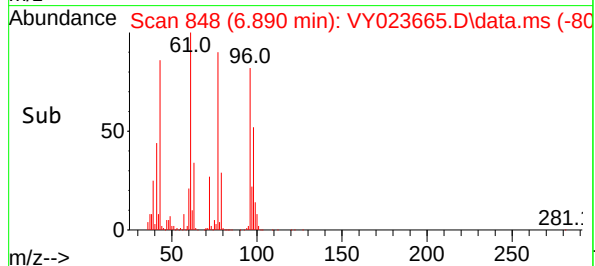
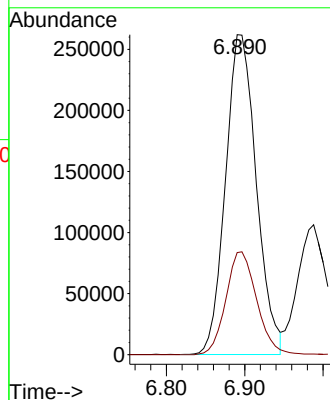
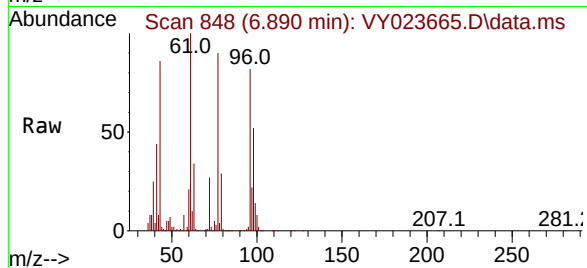
72 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 99.545 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023665.D

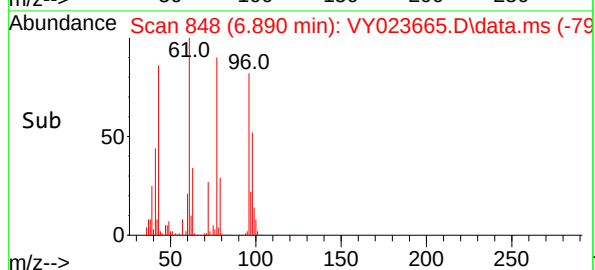
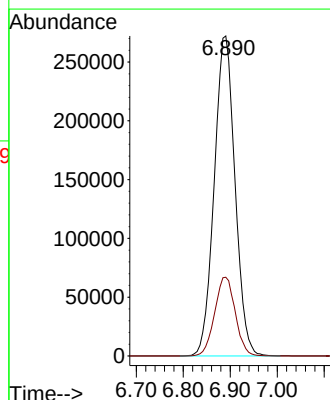
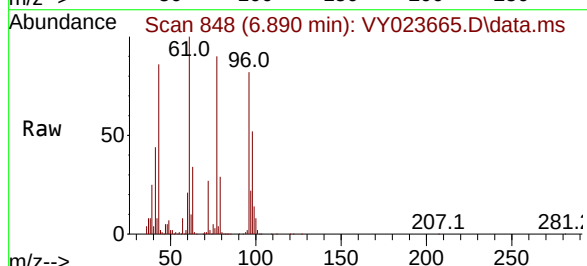
Acq: 04 Nov 2025 11:05

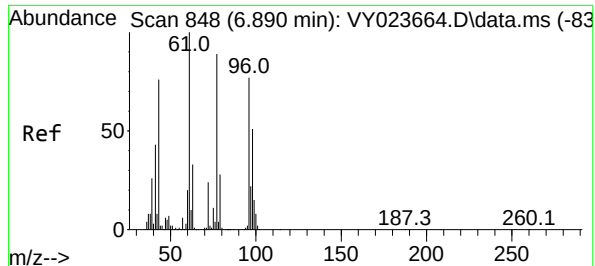
Tgt Ion: 77 Resp: 836165

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 104.123 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 67765

Ion Ratio Lower Upper

96 100

61 127.0 0.0 255.0

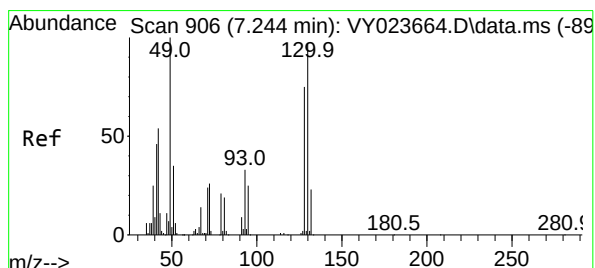
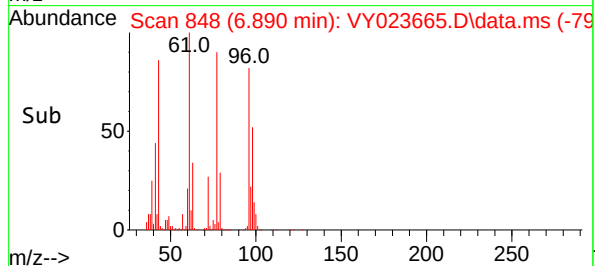
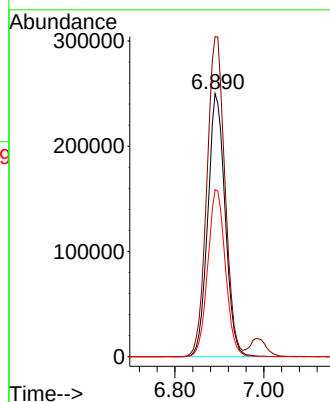
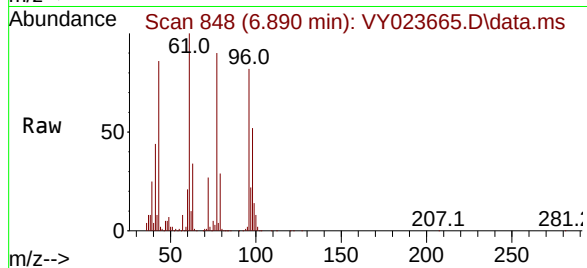
98 64.7 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 100.569 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

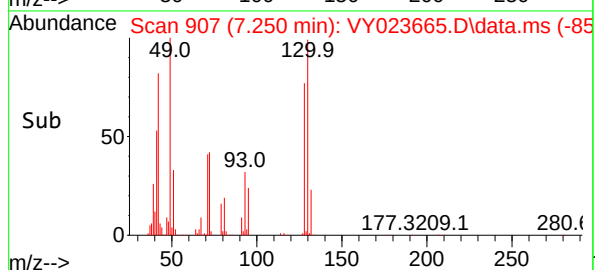
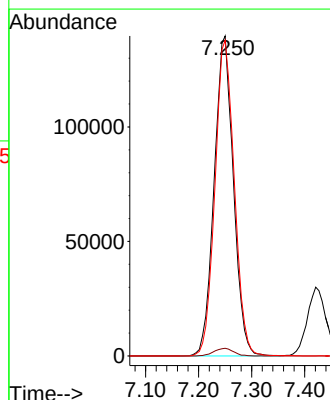
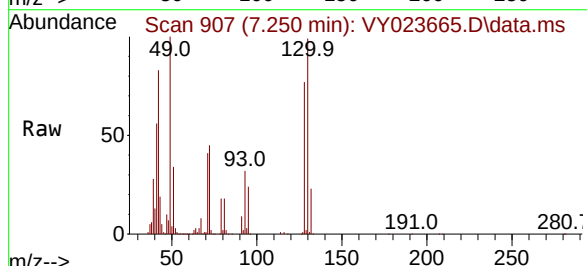
Tgt Ion: 49 Resp: 351637

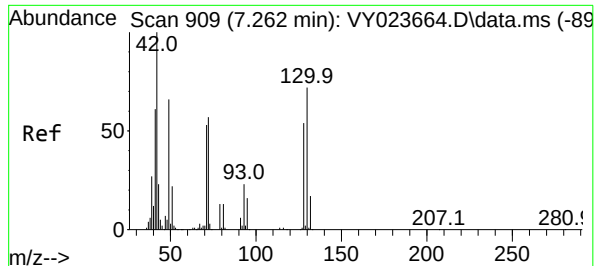
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 99.3 80.1 120.1





#29

Tetrahydrofuran

Concen: 551.338 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 407174

Ion Ratio Lower Upper

42 100

72 52.9 43.4 65.2

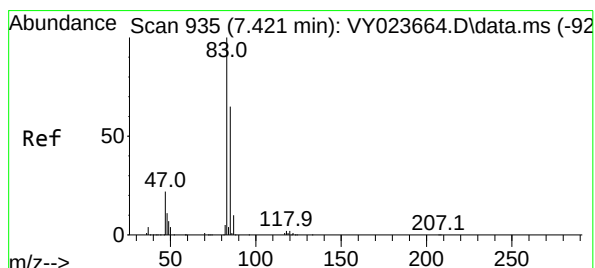
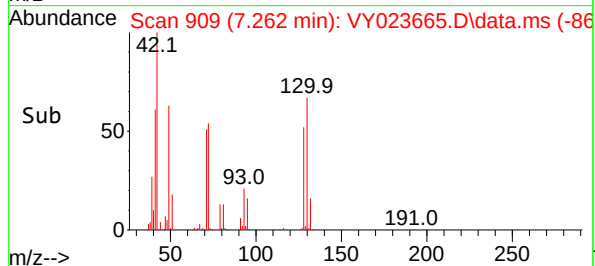
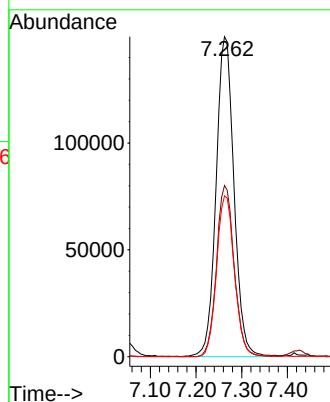
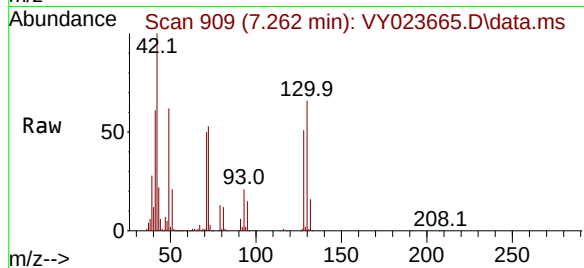
71 50.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 99.668 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023665.D

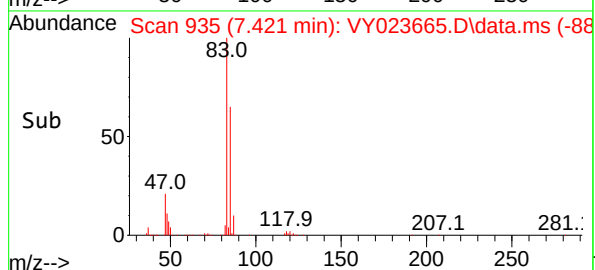
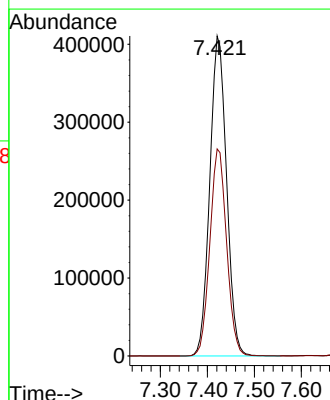
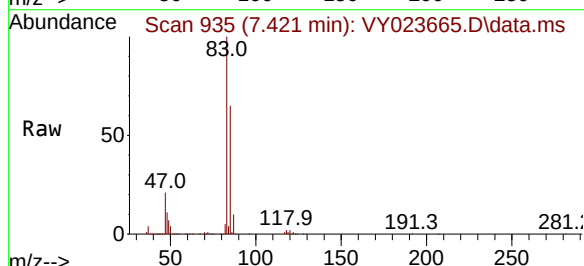
Acq: 04 Nov 2025 11:05

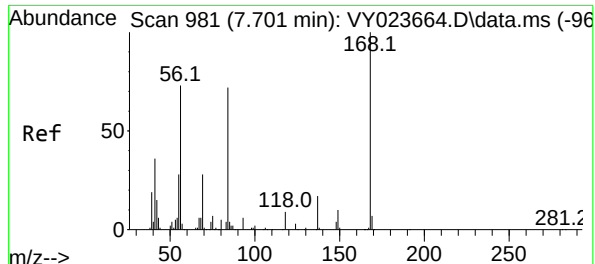
Tgt Ion: 83 Resp: 1015475

Ion Ratio Lower Upper

83 100

85 64.7 52.1 78.1





#31

Cyclohexane

Concen: 98.820 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 78586

Ion Ratio Lower Upper

56 100

69 34.4 30.5 45.7

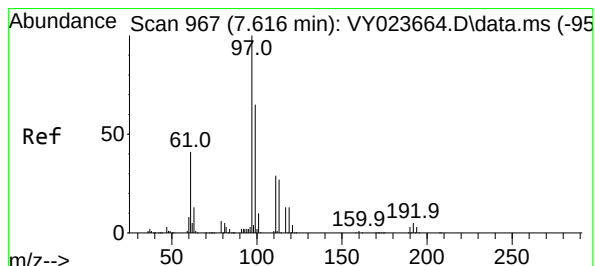
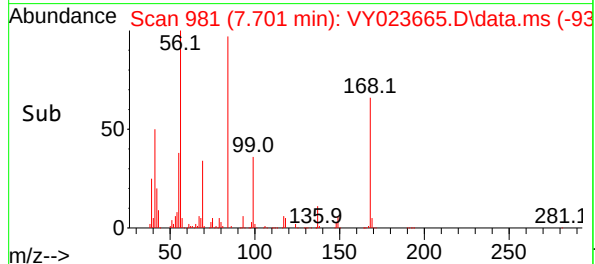
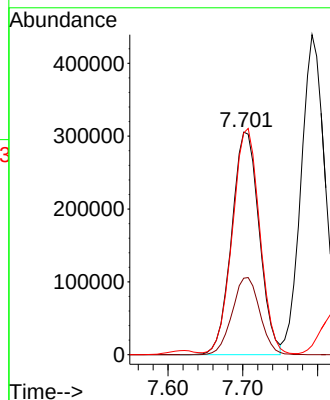
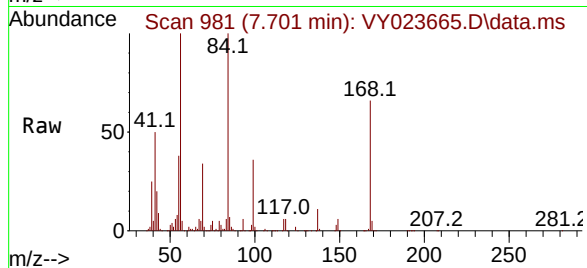
84 97.8 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 99.760 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

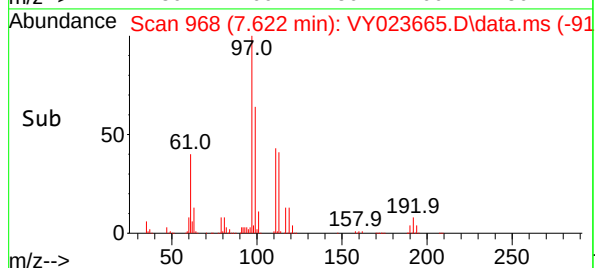
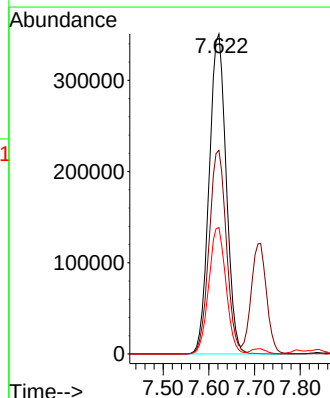
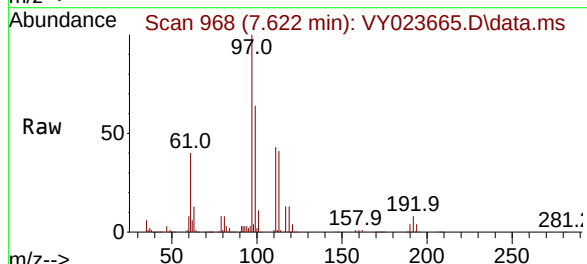
Tgt Ion: 97 Resp: 908433

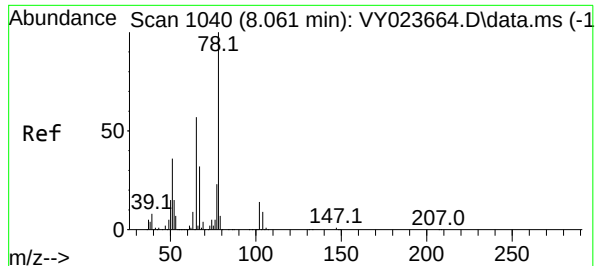
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 39.8 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 99.661 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 48088

Ion Ratio Lower Upper

65 100

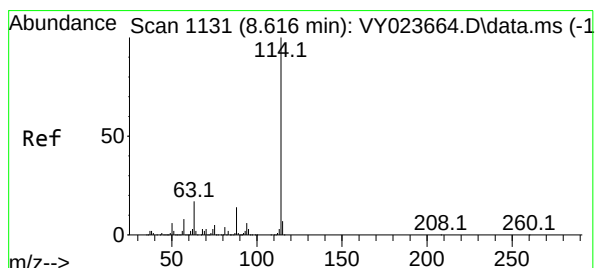
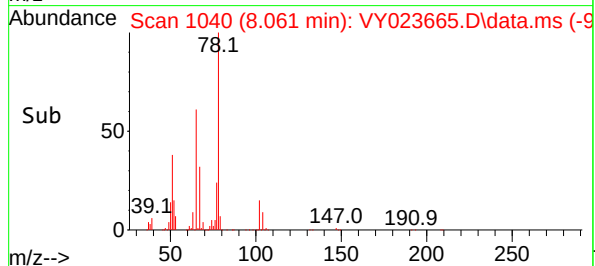
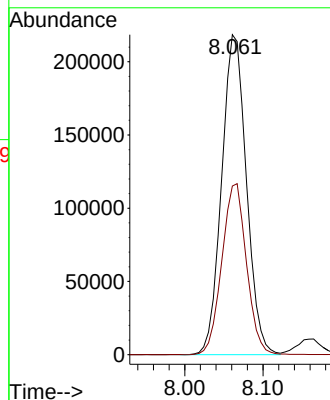
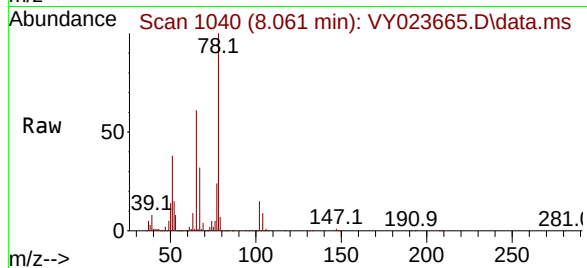
67 53.1 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

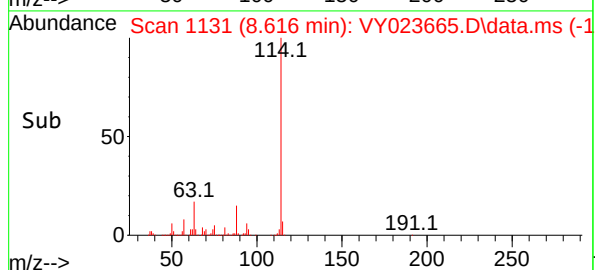
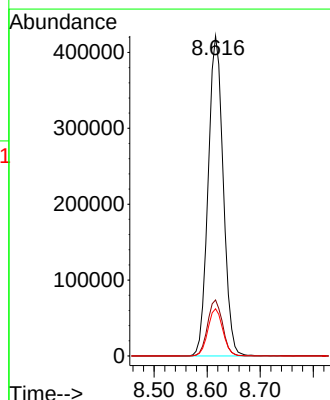
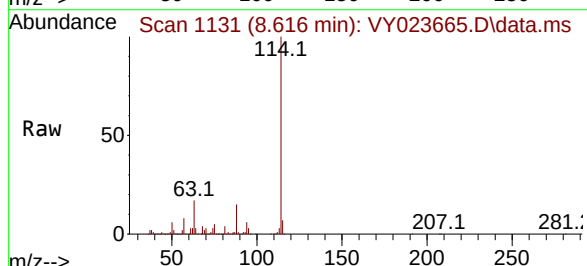
Tgt Ion:114 Resp: 831963

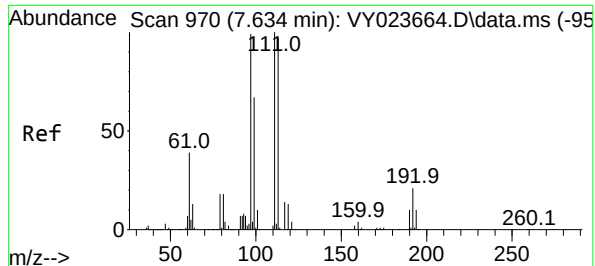
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 101.812 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 52934

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

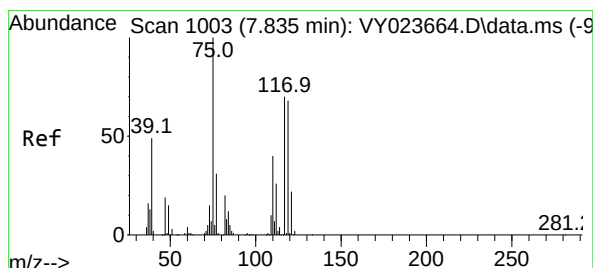
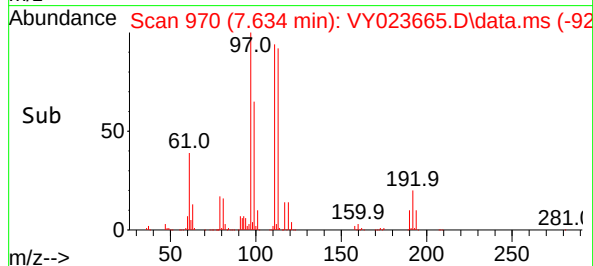
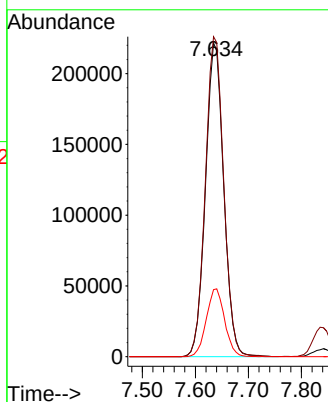
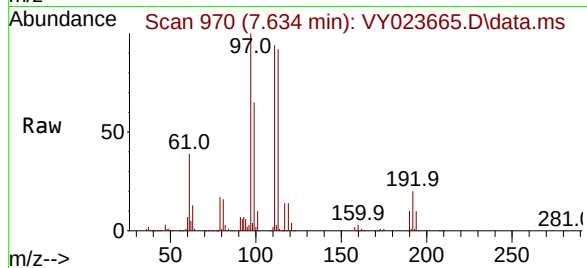
192 21.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 101.168 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

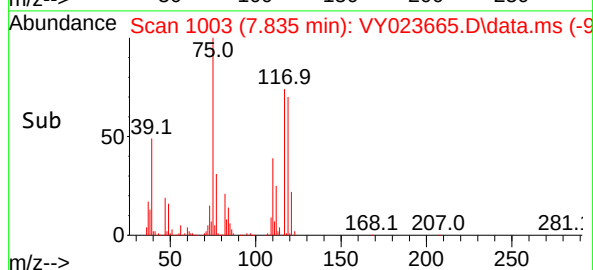
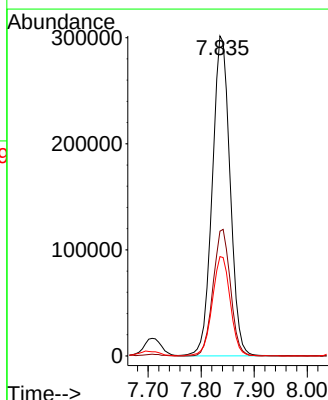
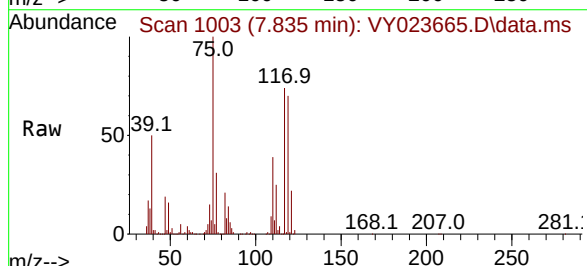
Tgt Ion: 75 Resp: 702866

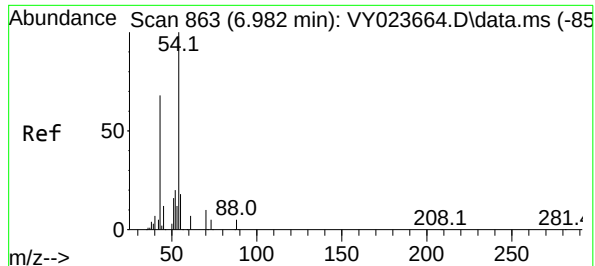
Ion Ratio Lower Upper

75 100

110 38.8 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 106.984 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 28773

Ion Ratio Lower Upper

43 100

61 15.2 12.4 18.6

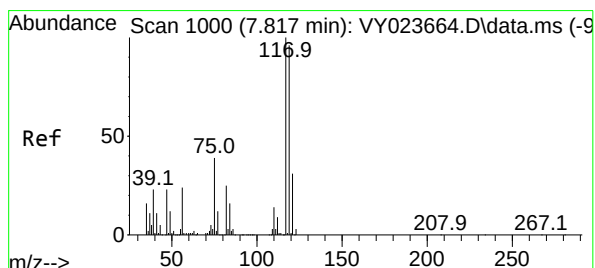
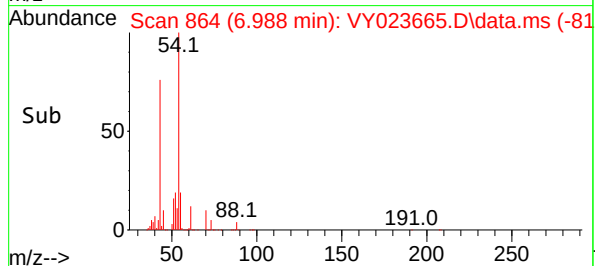
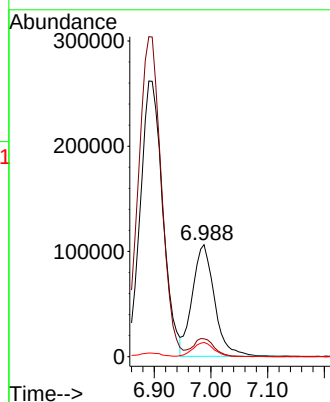
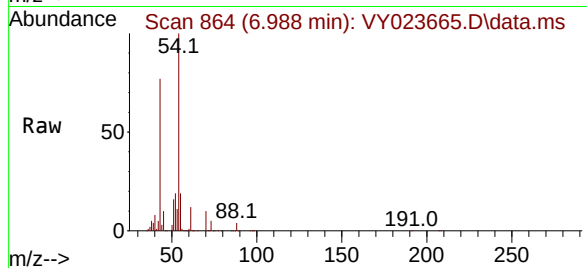
70 12.1 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 100.329 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

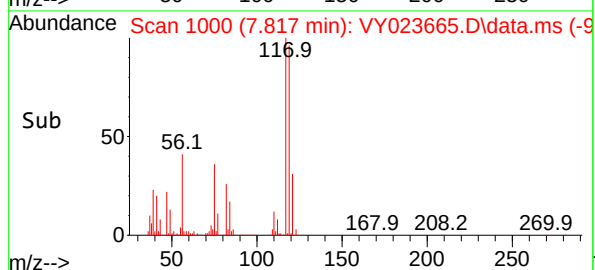
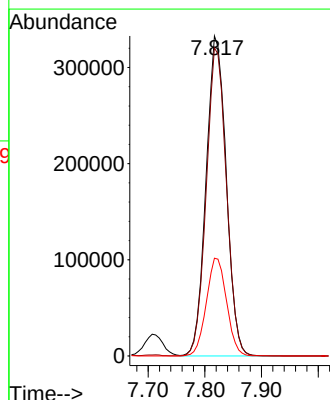
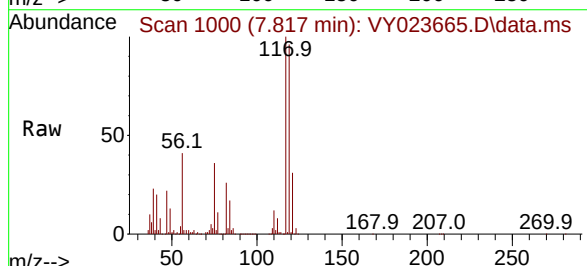
Tgt Ion:117 Resp: 821264

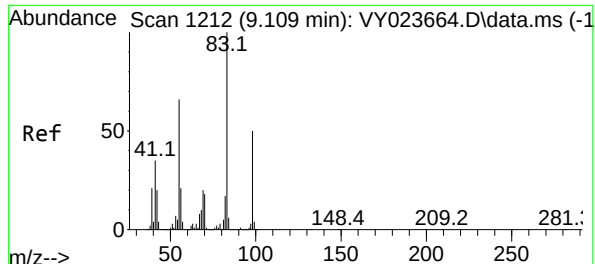
Ion Ratio Lower Upper

117 100

119 96.2 76.3 114.5

121 30.5 24.8 37.2





#39

Methylcyclohexane

Concen: 106.639 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 946648

Ion Ratio Lower Upper

83 100

55 67.1 52.6 78.8

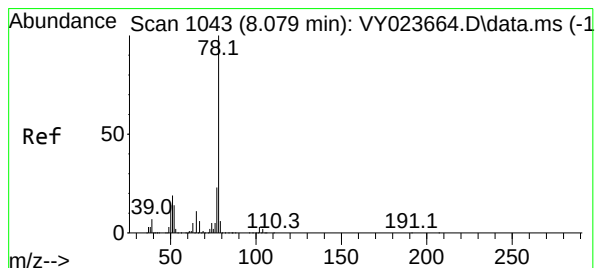
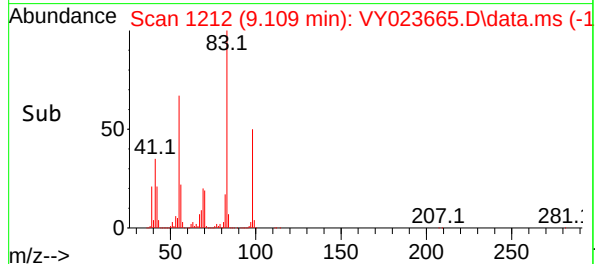
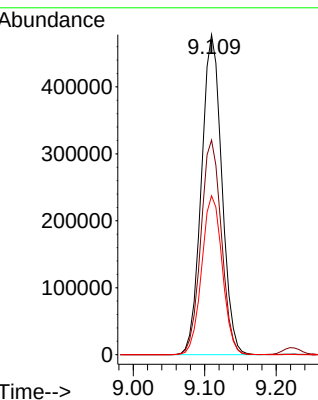
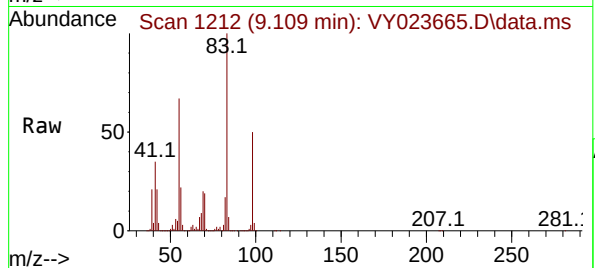
98 49.7 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 102.208 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023665.D

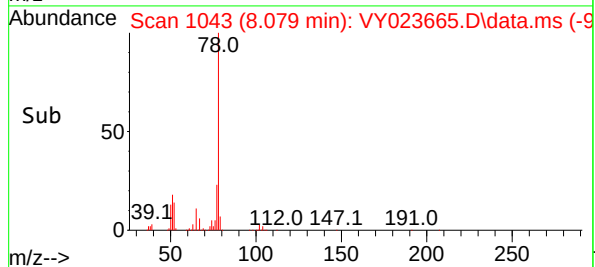
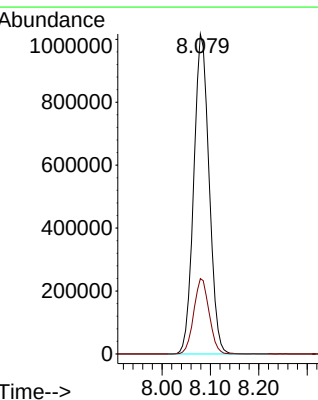
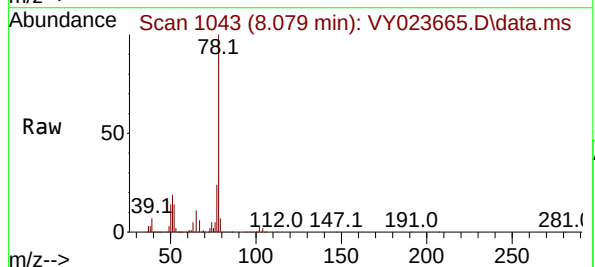
Acq: 04 Nov 2025 11:05

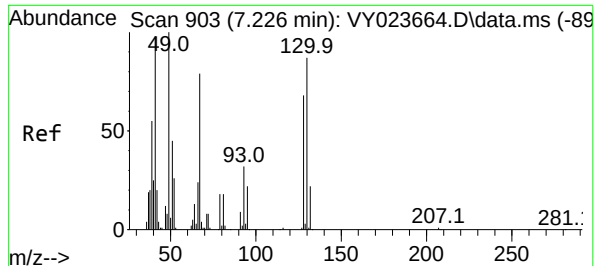
Tgt Ion: 78 Resp: 2238265

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2





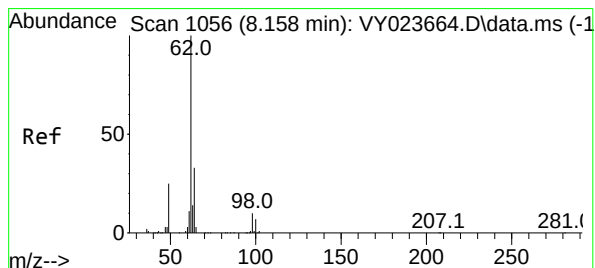
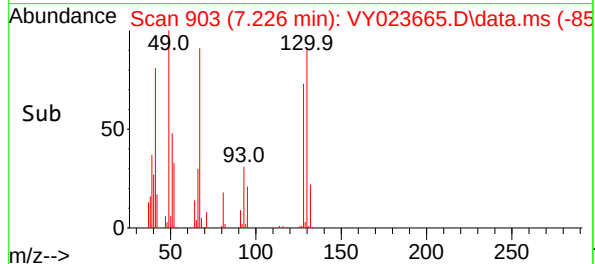
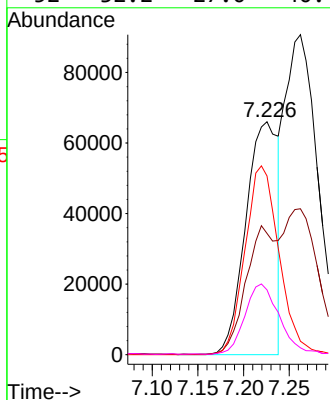
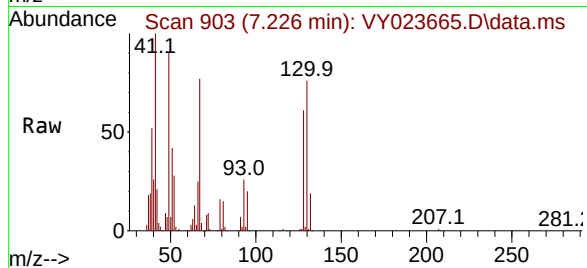
#41
Methacrylonitrile
Concen: 113.249 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 162465
Ion Ratio Lower Upper
41 100
39 45.7 38.6 57.8
67 86.1 71.3 106.9
52 32.2 27.0 40.4

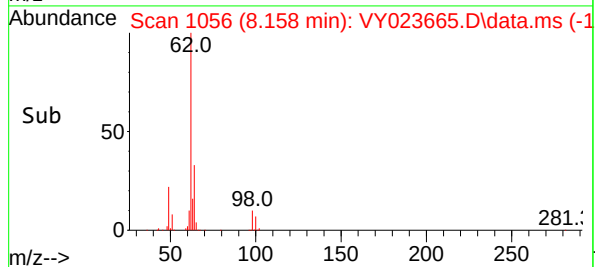
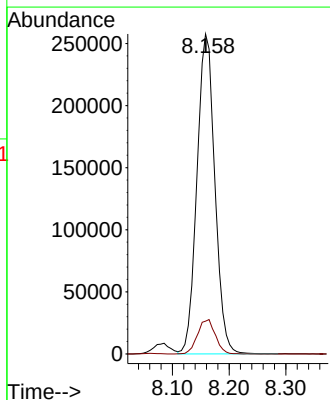
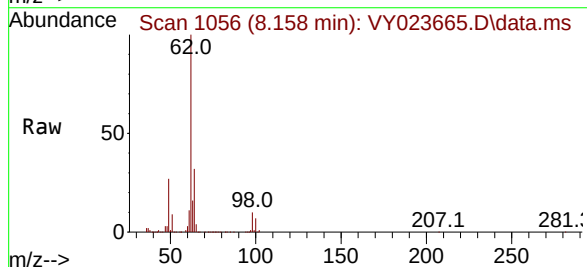
Manual Integrations
APPROVED

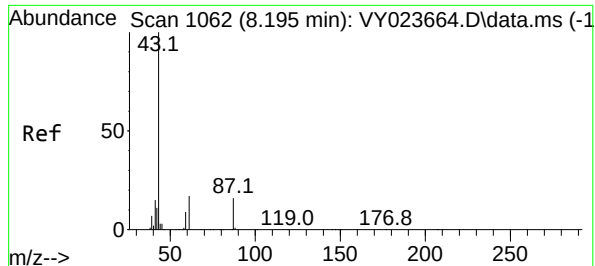
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 101.924 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 62 Resp: 564693
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 110.678 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 55929

Ion Ratio Lower Upper

43 100

61 33.2 18.2 27.2

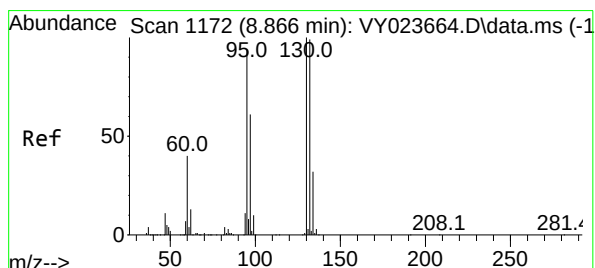
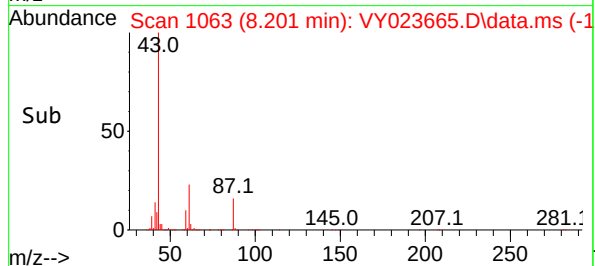
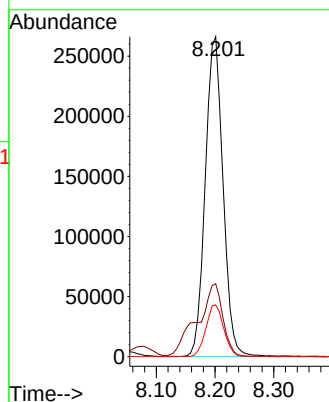
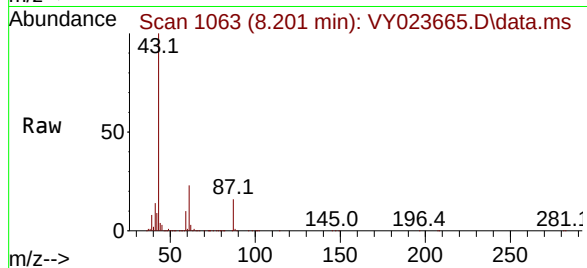
87 16.4 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 99.676 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023665.D

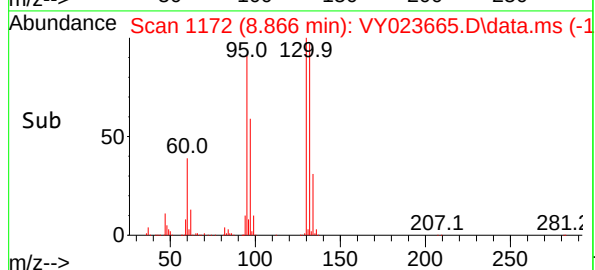
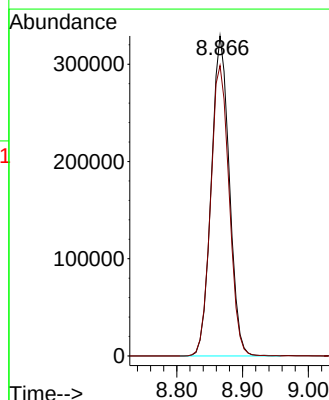
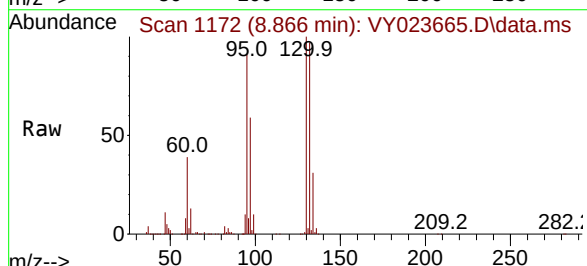
Acq: 04 Nov 2025 11:05

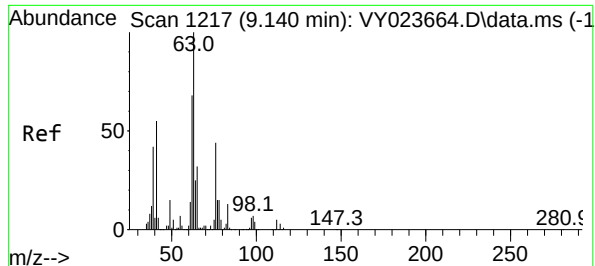
Tgt Ion:130 Resp: 626949

Ion Ratio Lower Upper

130 100

95 90.7 0.0 187.0





#45

1,2-Dichloropropane

Concen: 102.300 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 494430

Ion Ratio Lower Upper

63 100

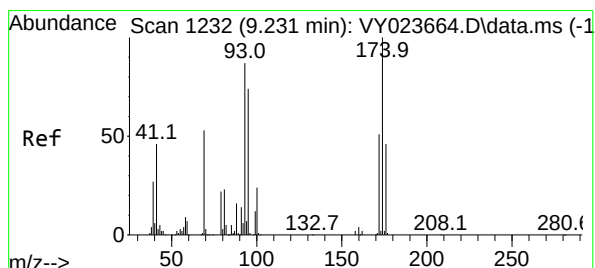
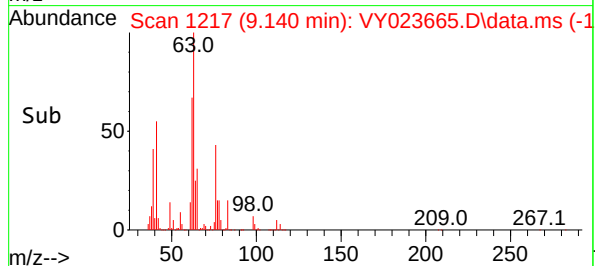
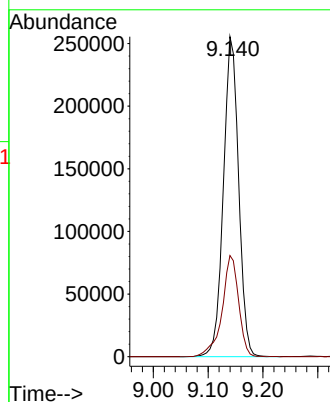
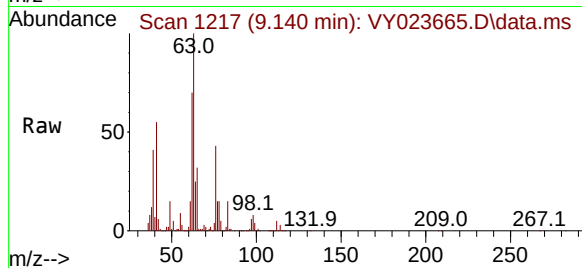
65 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 103.001 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

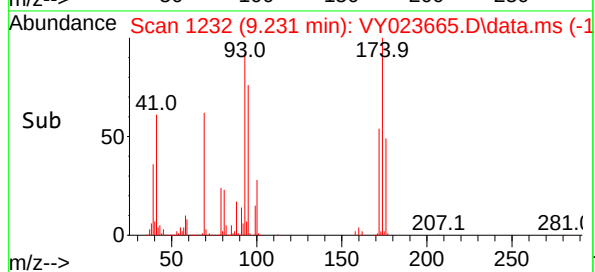
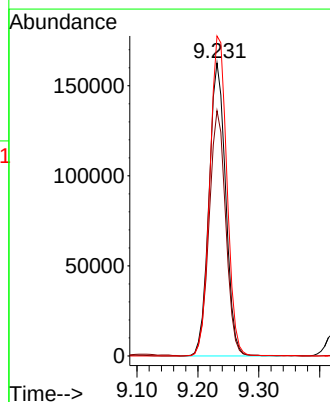
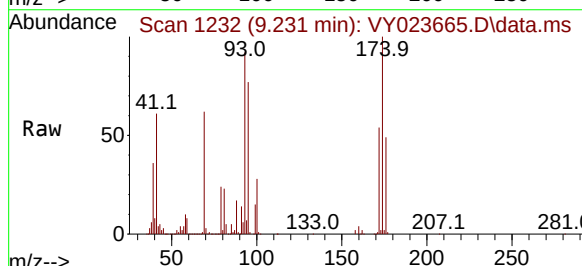
Tgt Ion: 93 Resp: 308450

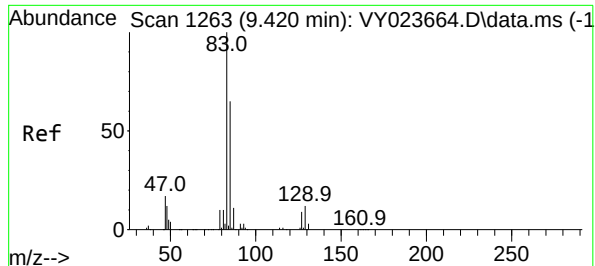
Ion Ratio Lower Upper

93 100

95 83.5 67.4 101.2

174 112.1 89.4 134.0





#47

Bromodichloromethane

Concen: 103.338 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 78021

Ion Ratio Lower Upper

83 100

85 63.6 52.1 78.1

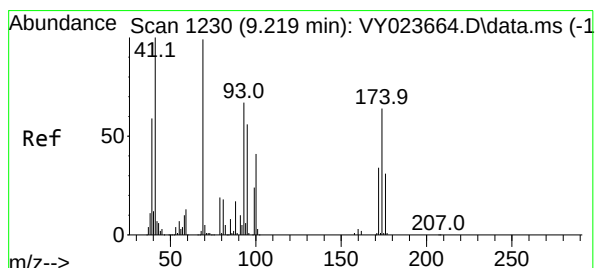
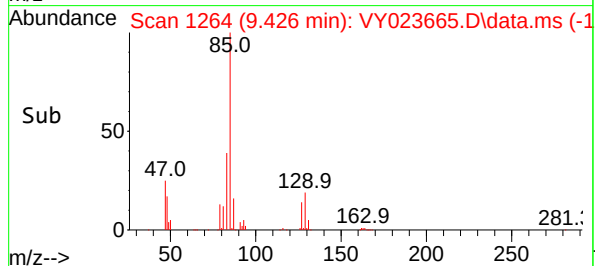
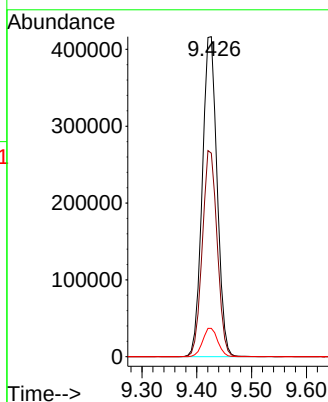
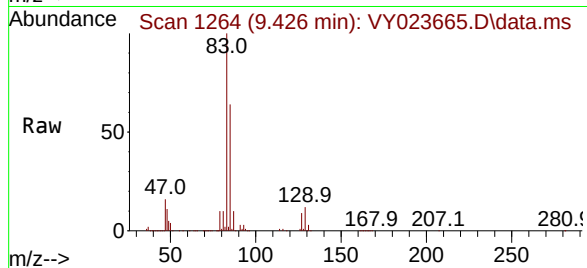
127 8.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 114.688 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

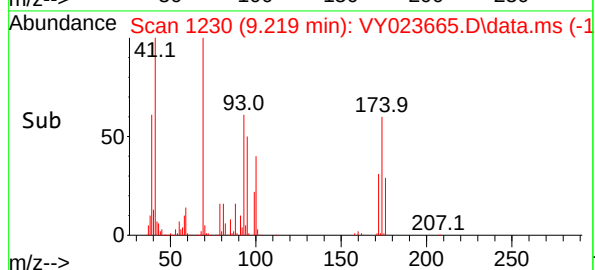
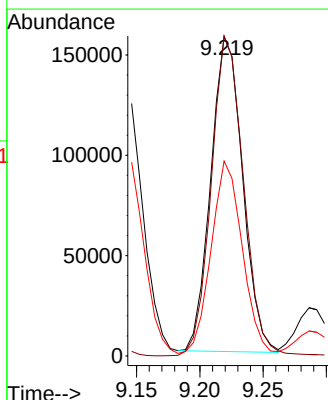
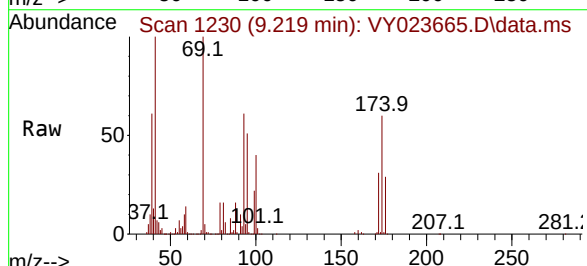
Tgt Ion: 41 Resp: 273819

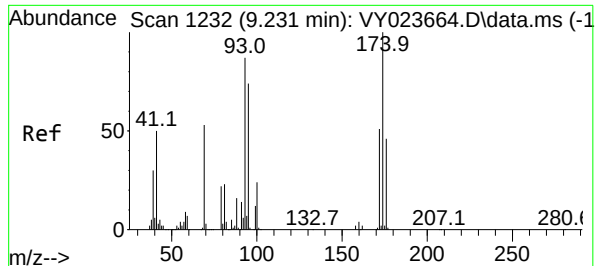
Ion Ratio Lower Upper

41 100

69 103.1 80.2 120.2

39 59.9 47.4 71.0





#49

1,4-Dioxane

Concen: 2162.837 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 66284

Ion Ratio Lower Upper

88 100

43 29.9 22.0 33.0

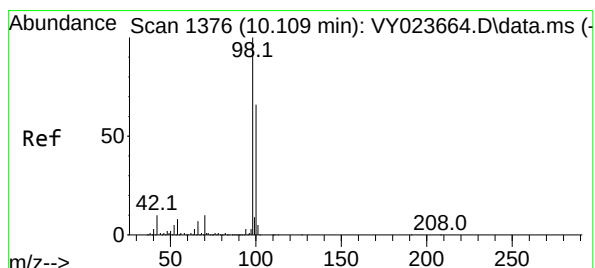
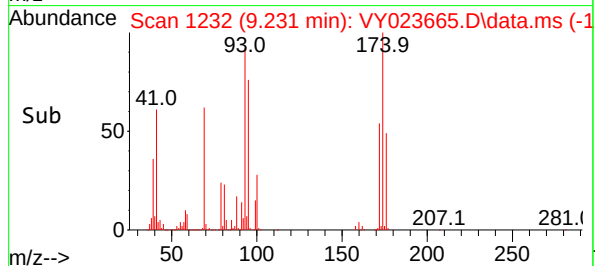
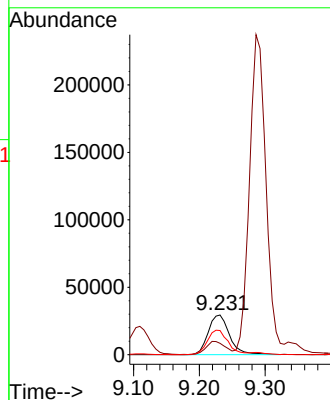
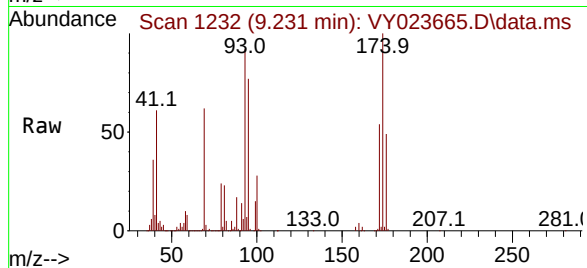
58 60.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 105.160 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023665.D

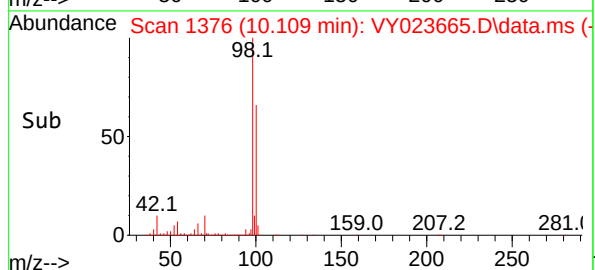
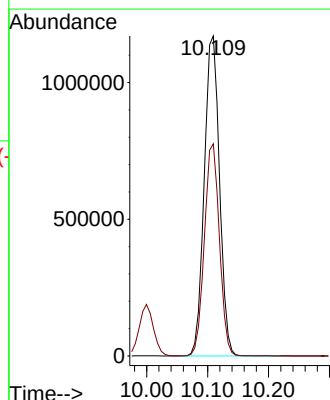
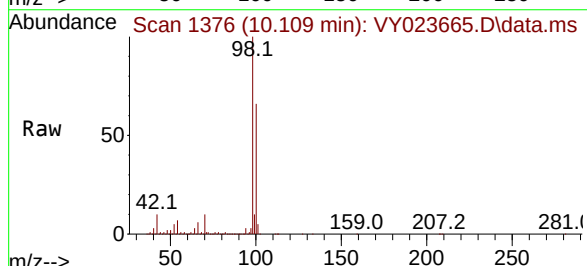
Acq: 04 Nov 2025 11:05

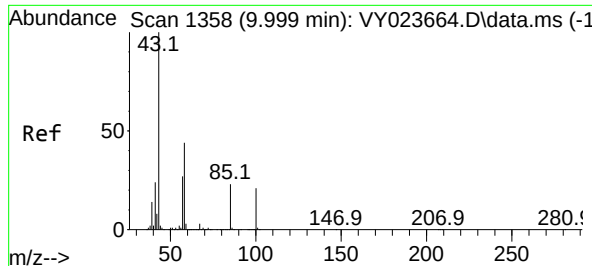
Tgt Ion: 98 Resp: 2036678

Ion Ratio Lower Upper

98 100

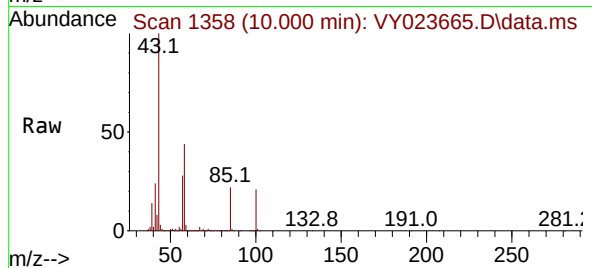
100 65.5 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 561.674 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

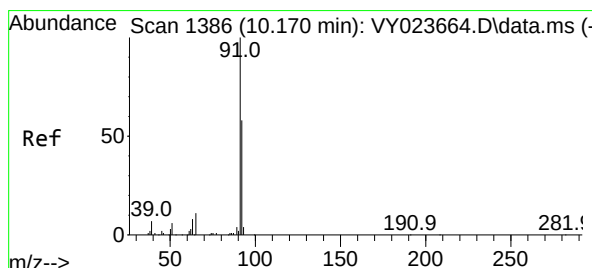
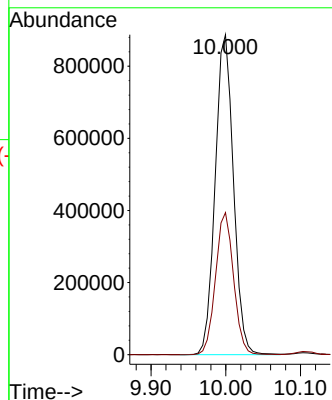
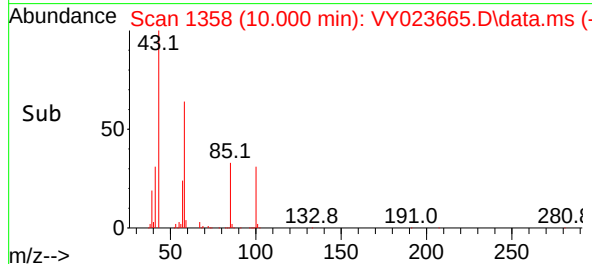
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 150944
Ion Ratio Lower Upper
43 100
58 43.9 34.8 52.2

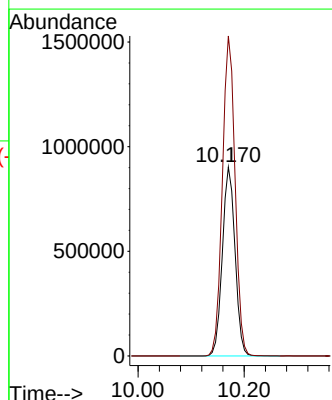
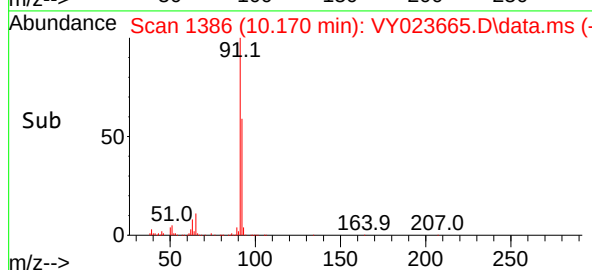
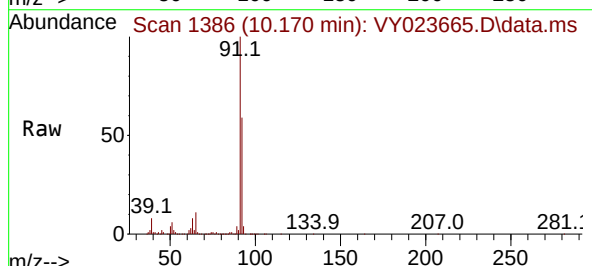
Manual Integrations
APPROVED

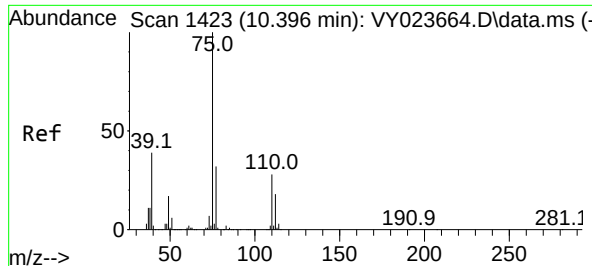
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 106.868 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

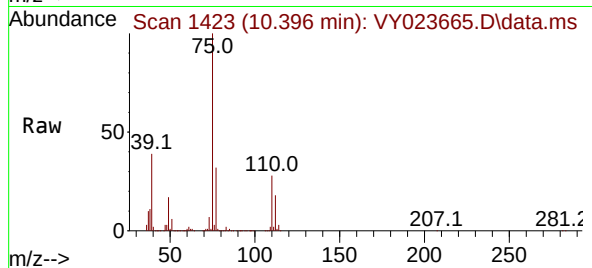
Tgt Ion: 92 Resp: 1494139
Ion Ratio Lower Upper
92 100
91 169.9 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 110.869 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

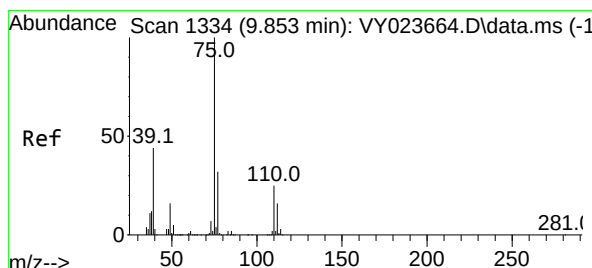
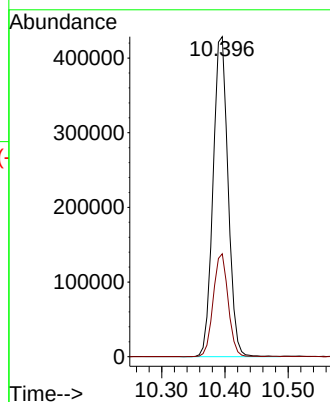
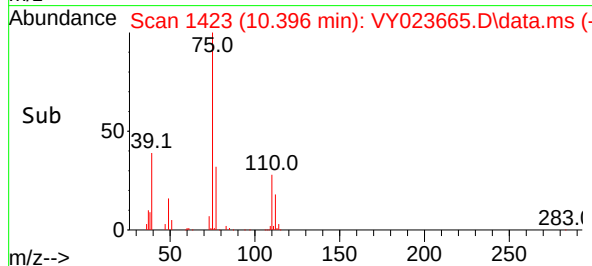
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 708290
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

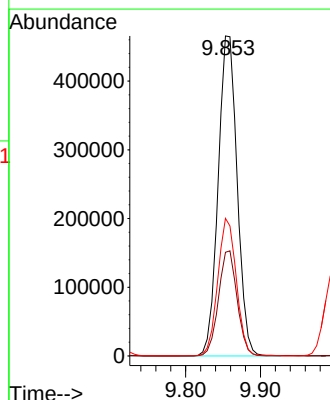
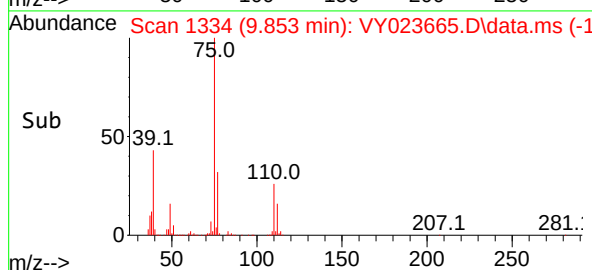
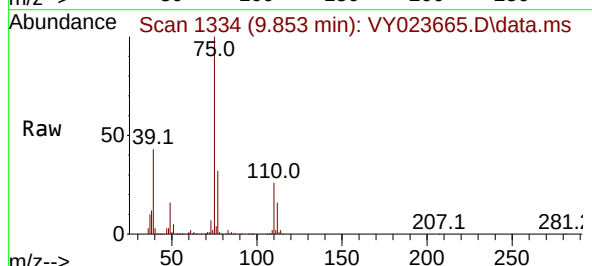
Manual Integrations
APPROVED

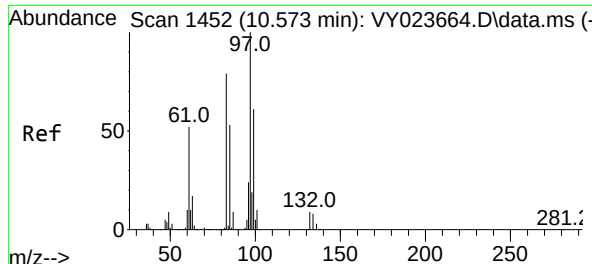
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 107.667 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

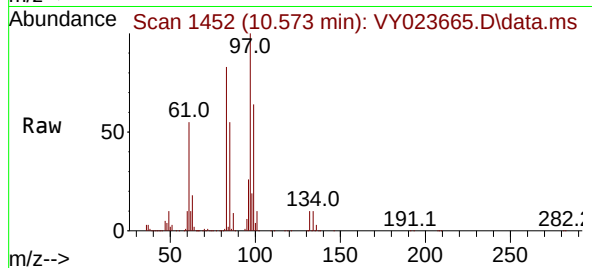
Tgt Ion: 75 Resp: 824093
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5
39 42.9 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 103.695 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

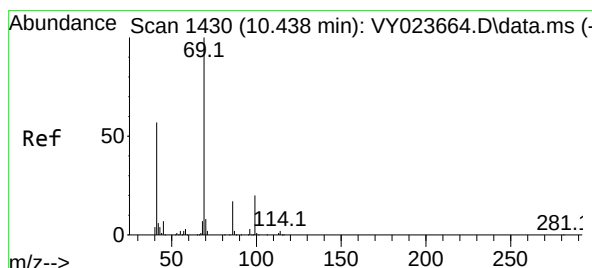
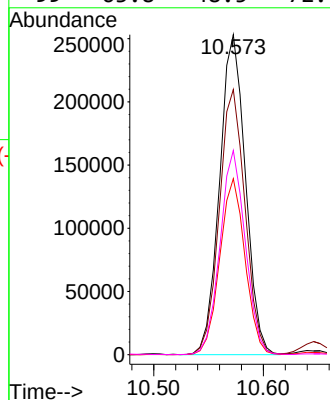
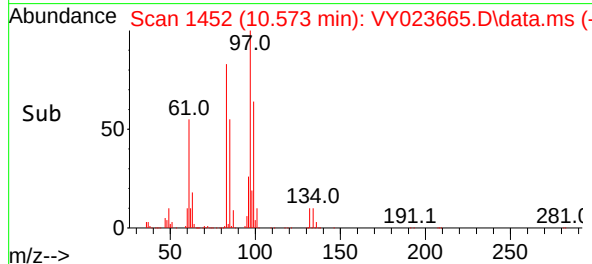
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 41498
Ion Ratio Lower Upper
97 100
83 82.8 63.3 94.9
85 55.0 42.4 63.6
99 63.8 48.5 72.7

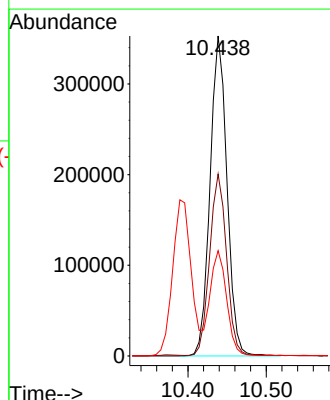
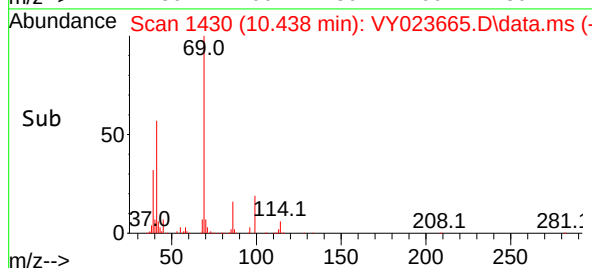
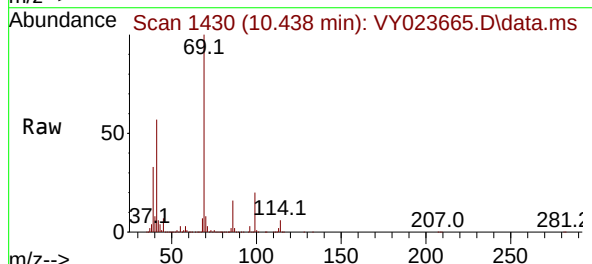
Manual Integrations
APPROVED

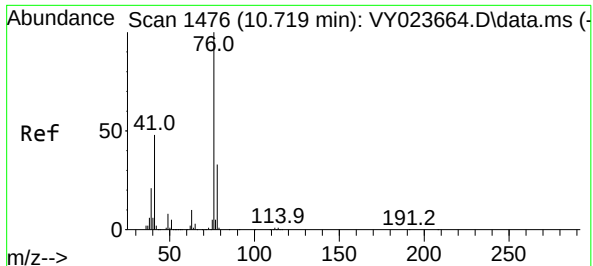
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 120.046 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

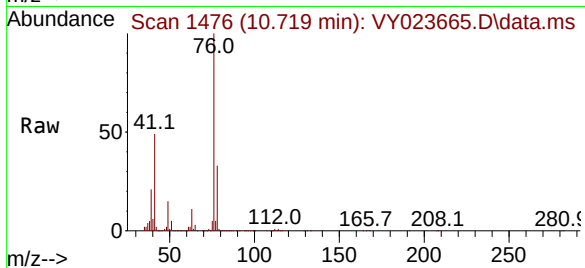
Tgt Ion: 69 Resp: 529329
Ion Ratio Lower Upper
69 100
41 56.7 45.0 67.4
39 33.0 25.1 37.7





#57
1,3-Dichloropropane
Concen: 104.582 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

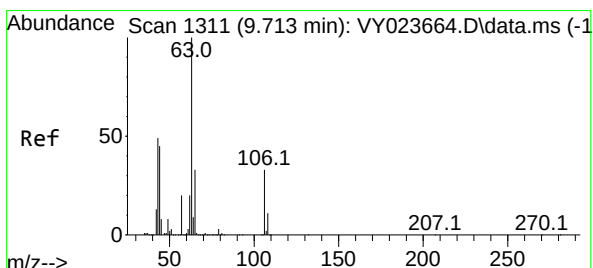
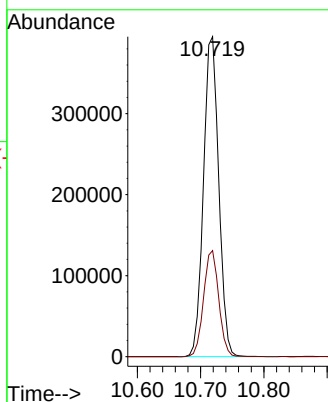
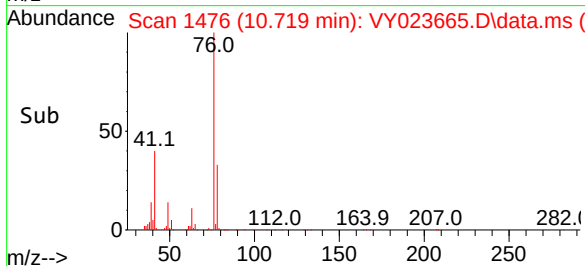
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 663870
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

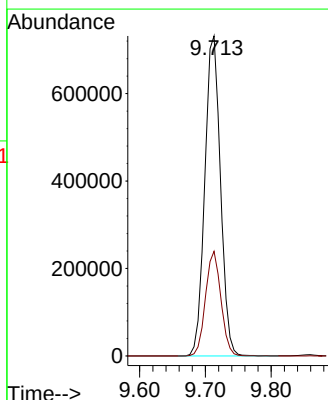
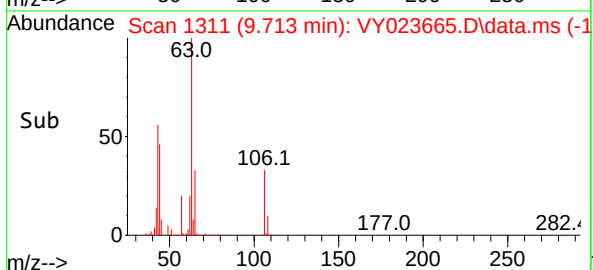
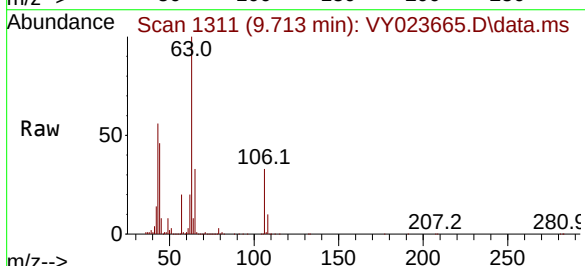
Manual Integrations
APPROVED

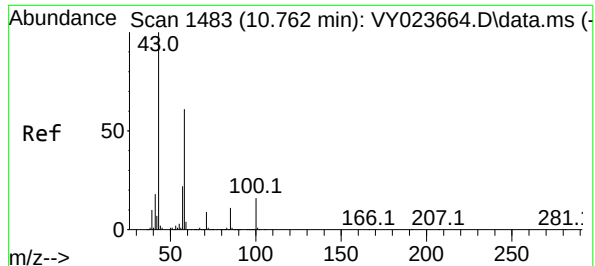
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 599.849 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

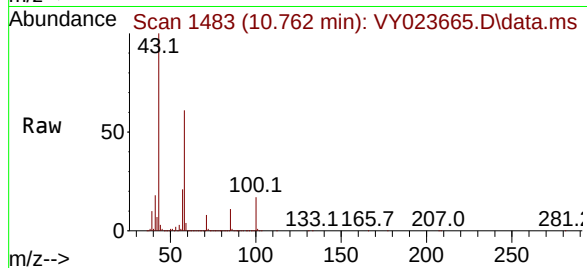
Tgt Ion: 63 Resp: 1213712
Ion Ratio Lower Upper
63 100
106 32.2 26.2 39.2





#59
2-Hexanone
Concen: 560.896 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

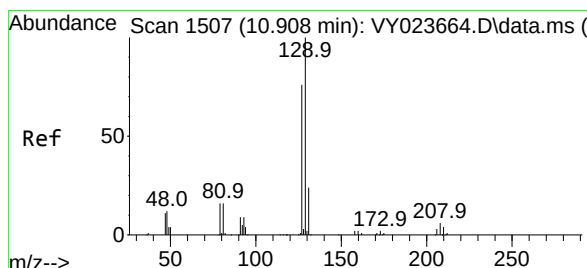
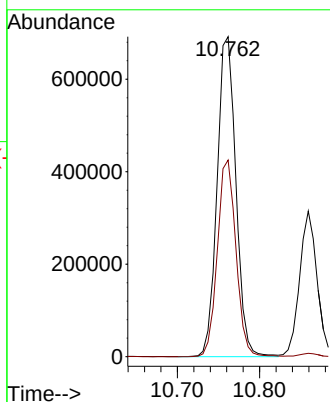
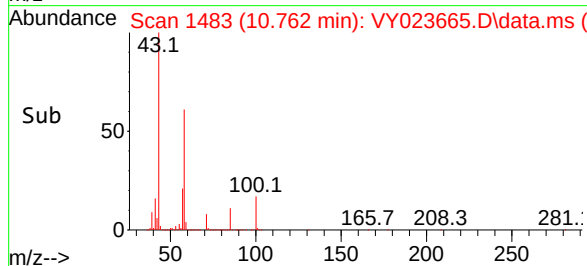
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



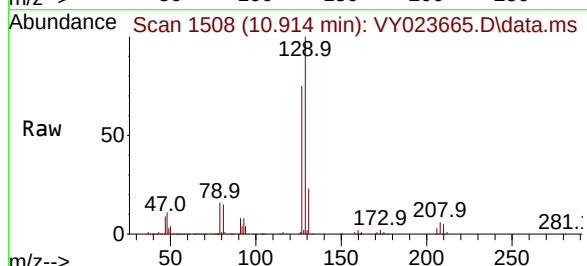
Tgt Ion: 43 Resp: 1099720
Ion Ratio Lower Upper
43 100
58 60.8 30.2 90.6

Manual Integrations
APPROVED

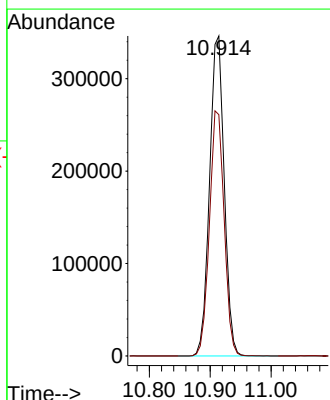
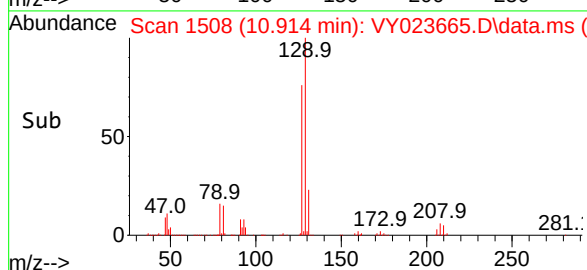
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

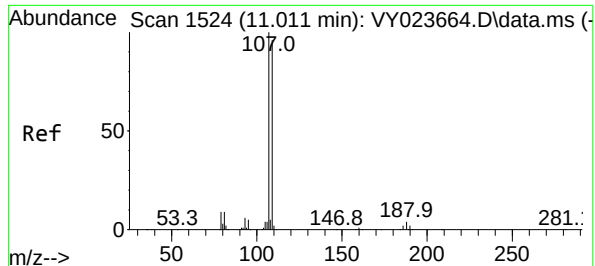


#60
Dibromochloromethane
Concen: 105.098 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



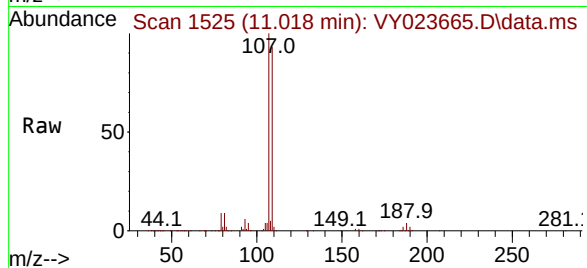
Tgt Ion:129 Resp: 577908
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61
1,2-Dibromoethane
Concen: 105.457 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

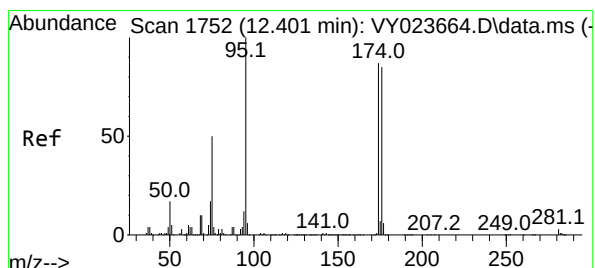
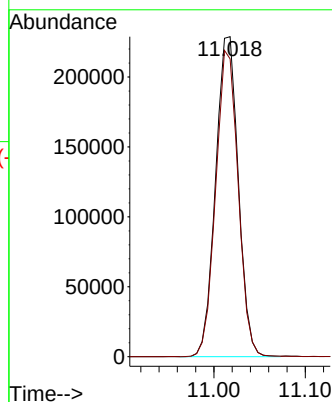
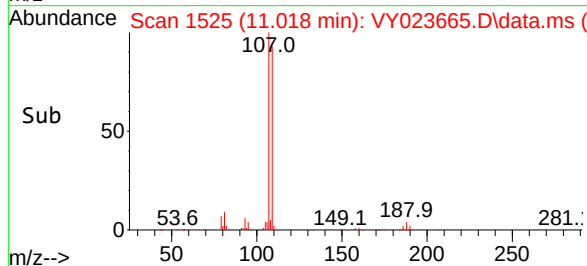
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 396070
Ion Ratio Lower Upper
107 100
109 94.4 76.2 114.4

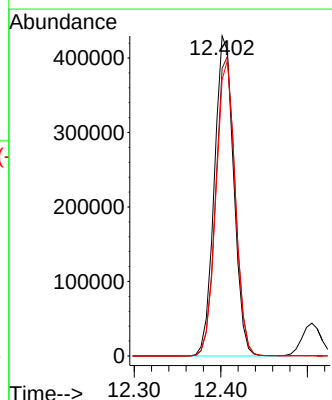
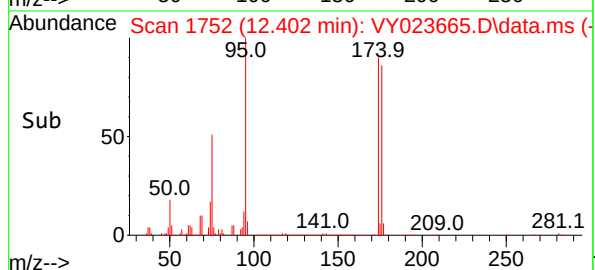
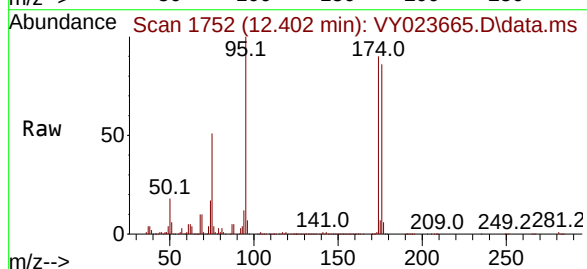
Manual Integrations
APPROVED

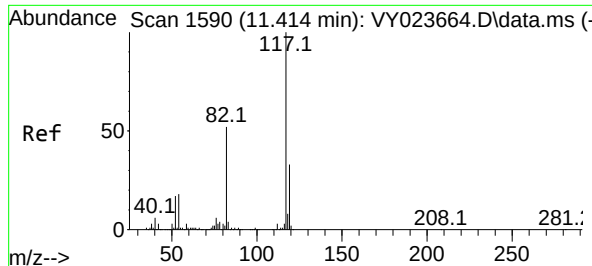
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 106.305 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

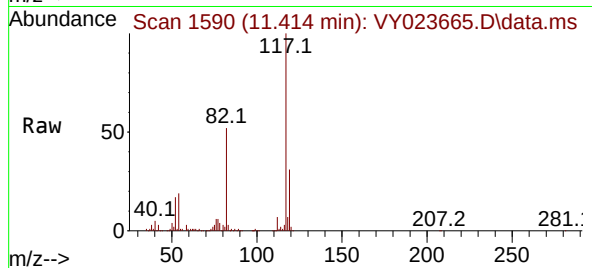
Tgt Ion: 95 Resp: 665813
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.8
176 91.6 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

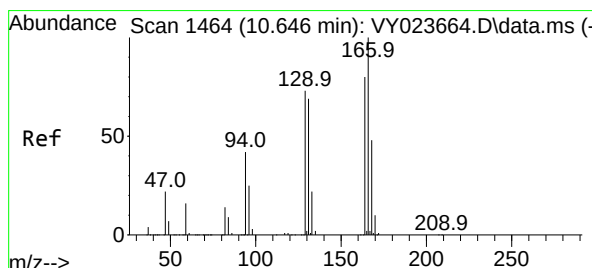
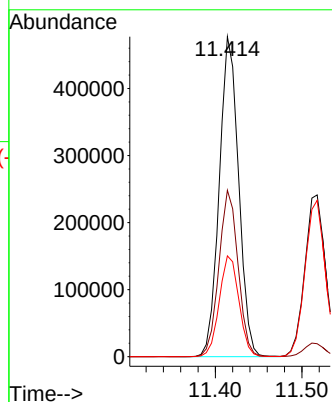
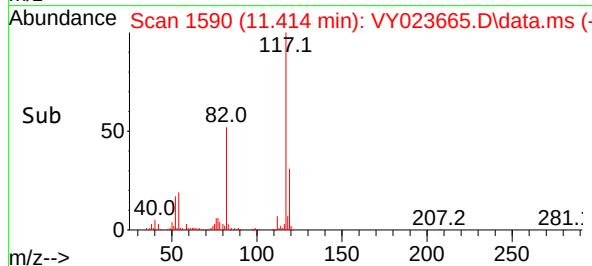
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 740642
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 31.5 26.2 39.2

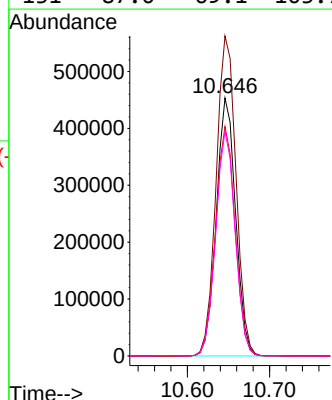
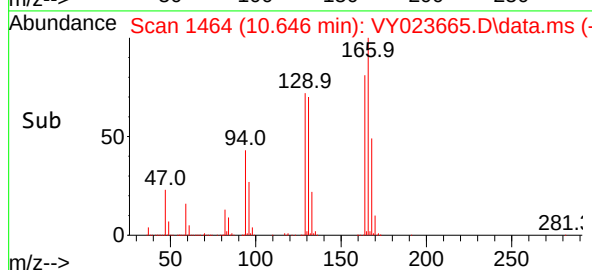
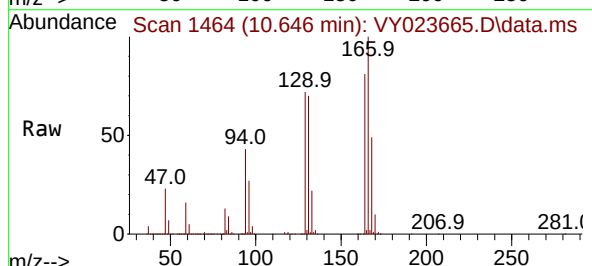
Manual Integrations
APPROVED

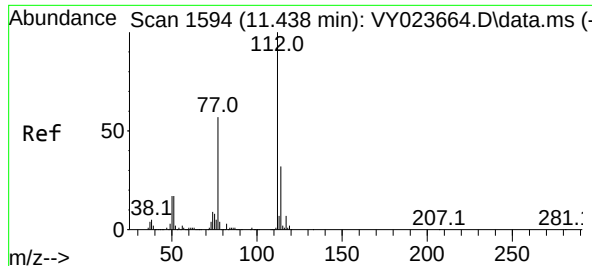
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 96.137 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

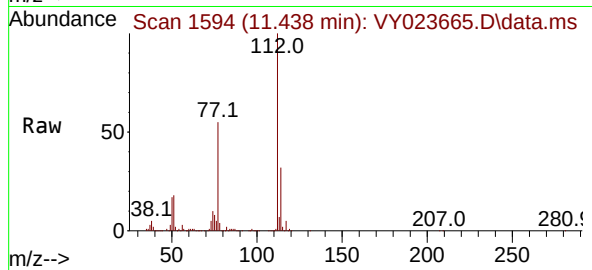
Tgt Ion:164 Resp: 741118
Ion Ratio Lower Upper
164 100
166 124.0 99.5 149.3
129 88.9 72.3 108.5
131 87.0 69.1 103.7





#65
Chlorobenzene
Concen: 101.655 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

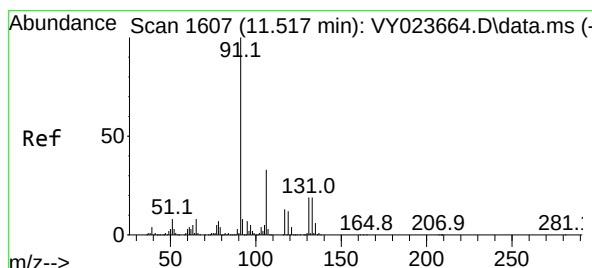
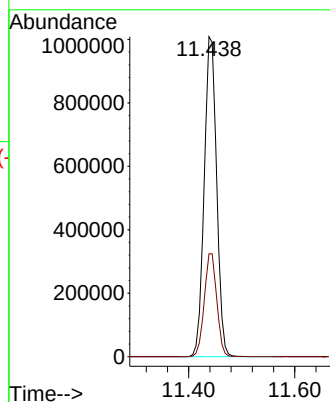
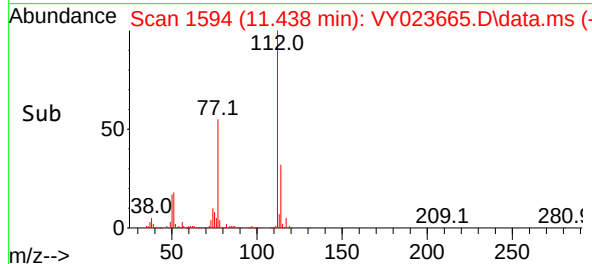
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 163905
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

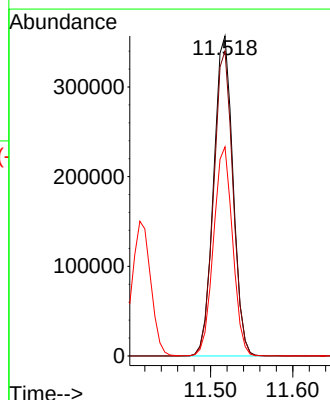
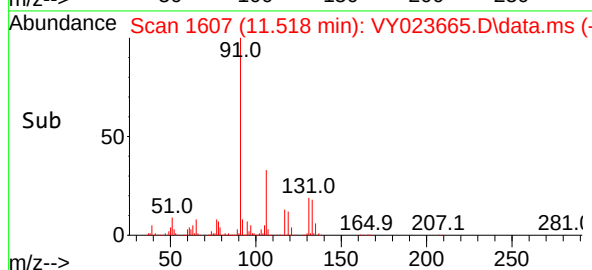
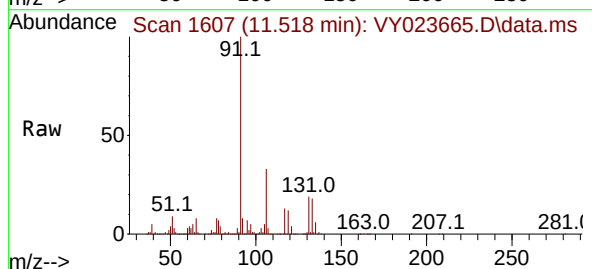
Manual Integrations
APPROVED

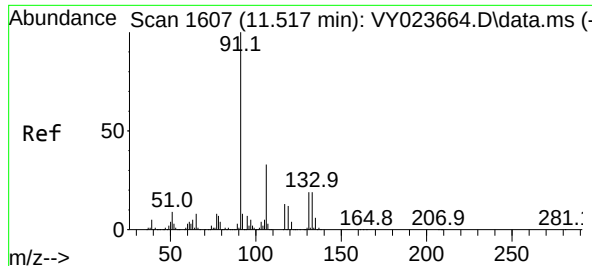
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 102.290 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:131 Resp: 583207
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 64.6 32.5 97.4





#67

Ethyl Benzene

Concen: 108.283 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 282573

Ion Ratio Lower Upper

91 100

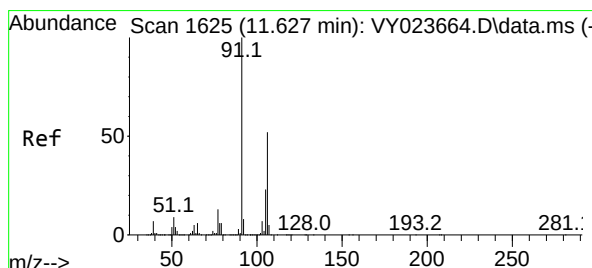
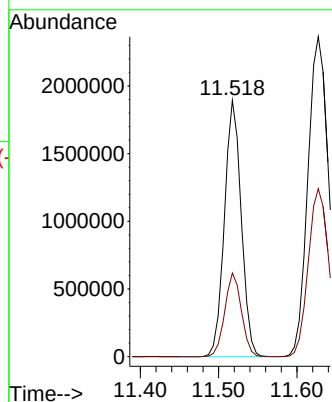
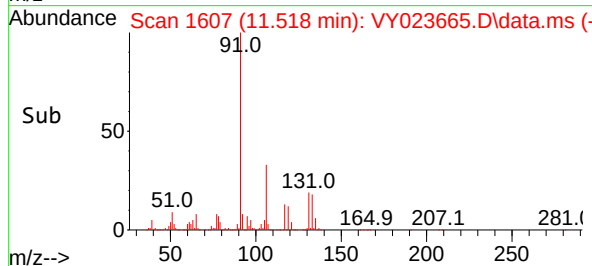
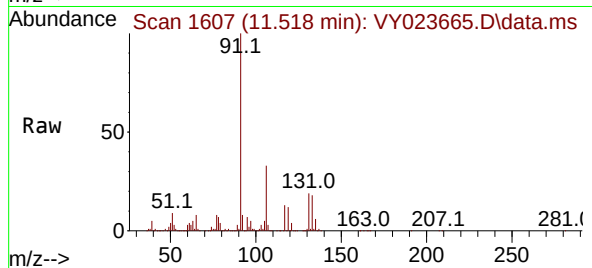
106 32.7 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 214.992 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023665.D

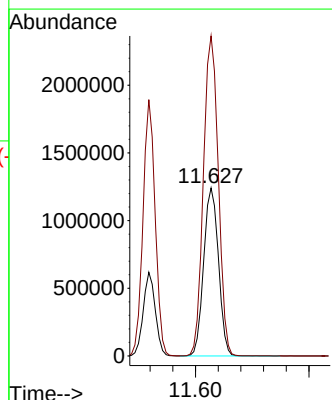
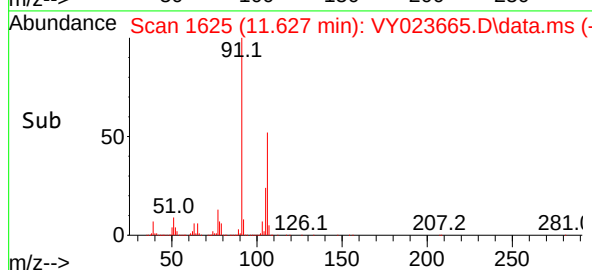
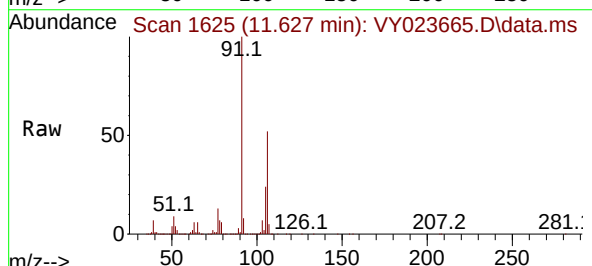
Acq: 04 Nov 2025 11:05

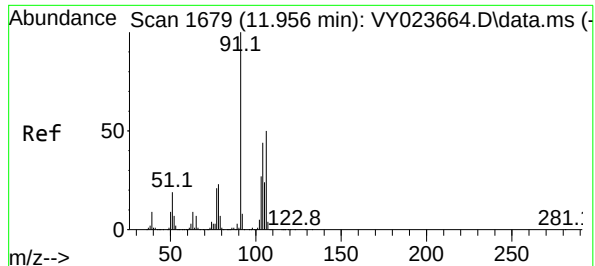
Tgt Ion:106 Resp: 2241551

Ion Ratio Lower Upper

106 100

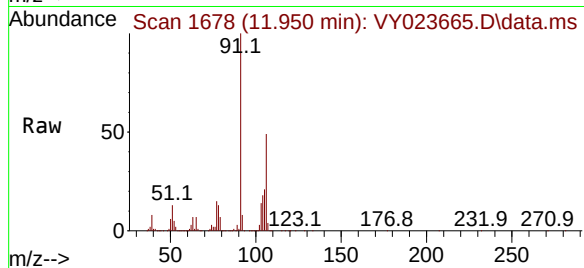
91 192.1 154.3 231.5





#69
o-Xylene
Concen: 110.253 ug/l
RT: 11.950 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

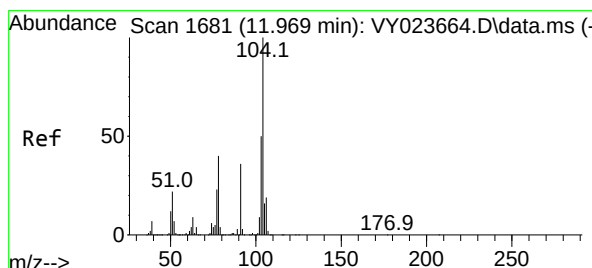
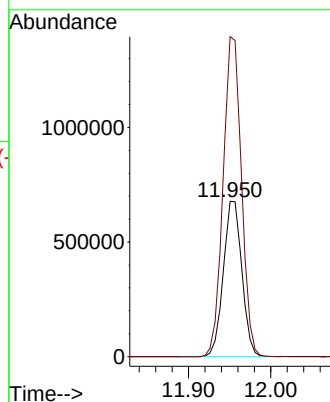
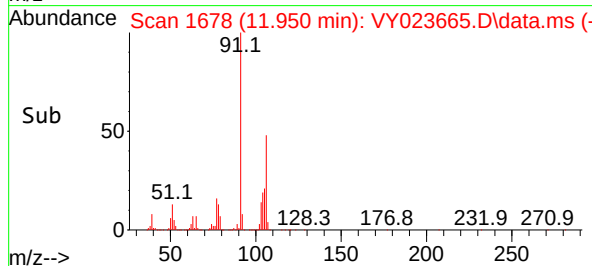
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:106 Resp: 1062609
Ion Ratio Lower Upper
106 100
91 204.7 101.6 304.6

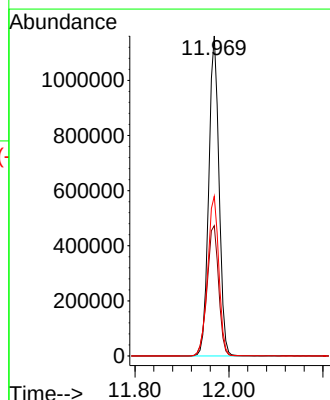
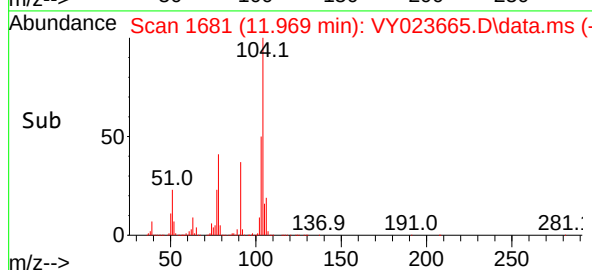
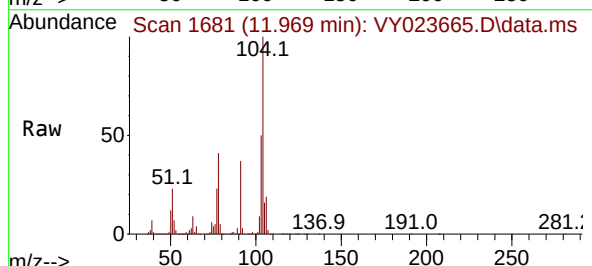
Manual Integrations
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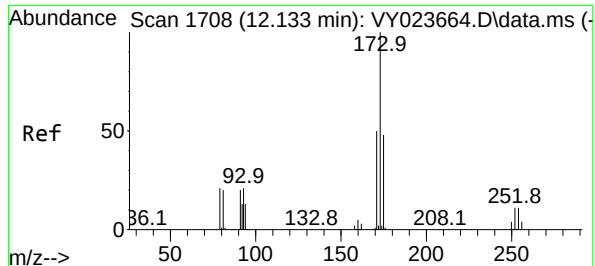
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 110.290 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

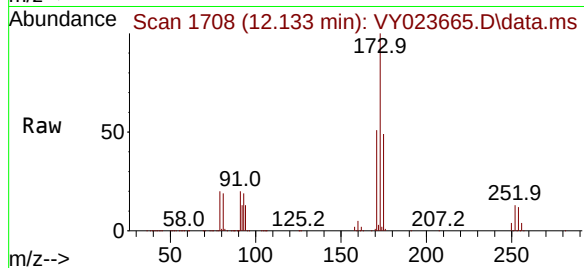
Tgt Ion:104 Resp: 1753830
Ion Ratio Lower Upper
104 100
78 45.9 36.5 54.7
103 54.4 43.7 65.5





#71
Bromoform
Concen: 105.656 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

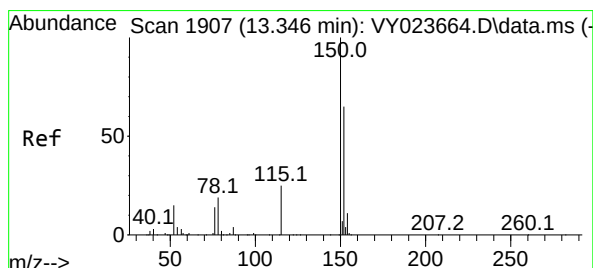
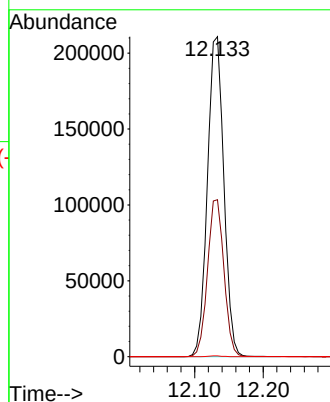
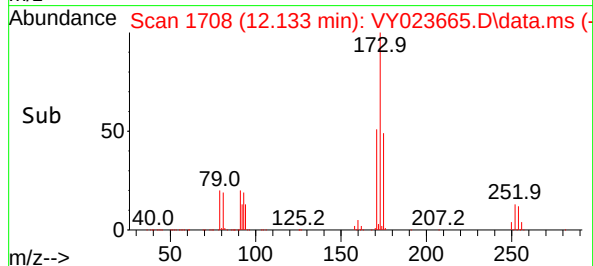
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



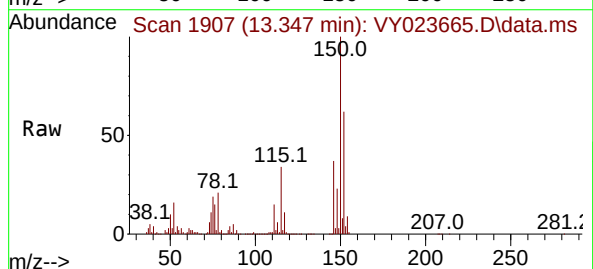
Tgt Ion:173 Resp: 351820
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

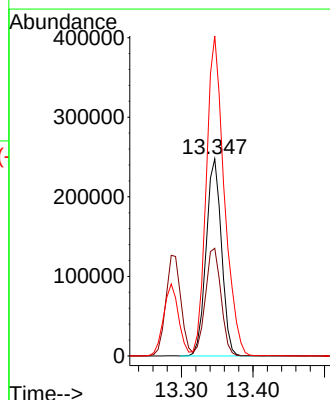
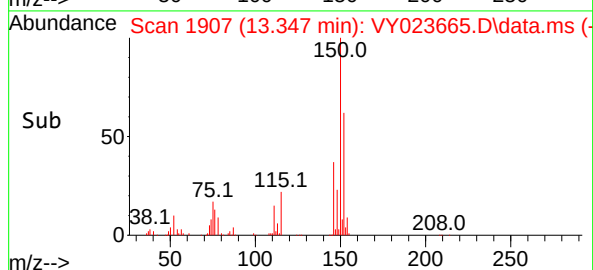
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

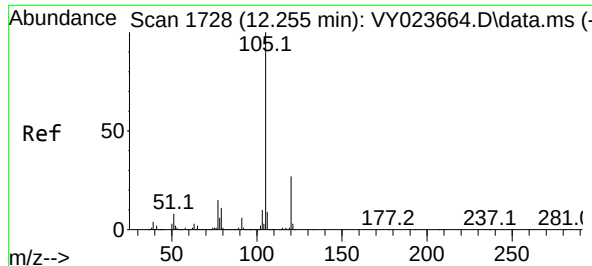


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



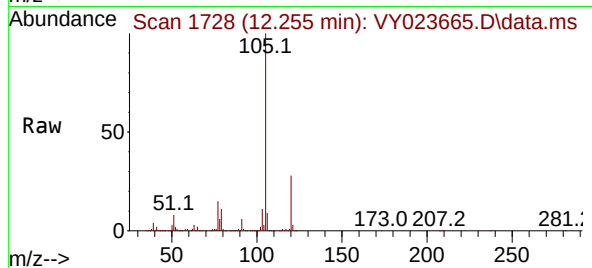
Tgt Ion:152 Resp: 370503
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 189.8 0.0 349.0





#73
Isopropylbenzene
Concen: 108.880 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

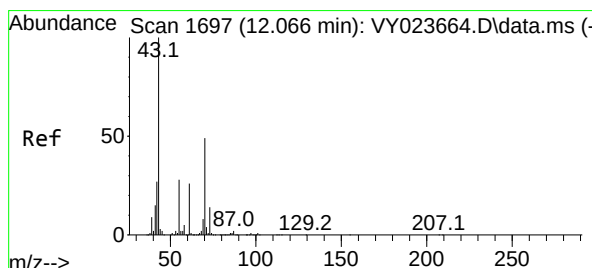
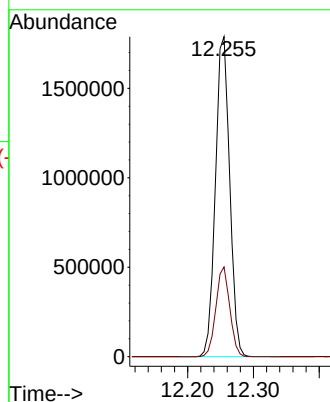
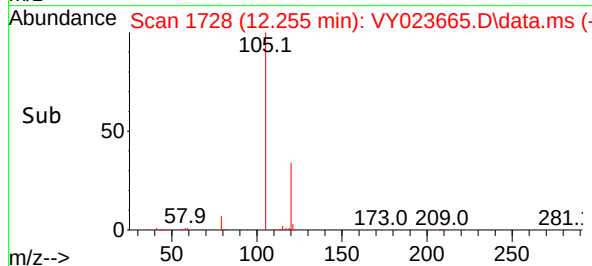
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 269804
Ion Ratio Lower Upper
105 100
120 27.3 13.6 40.7

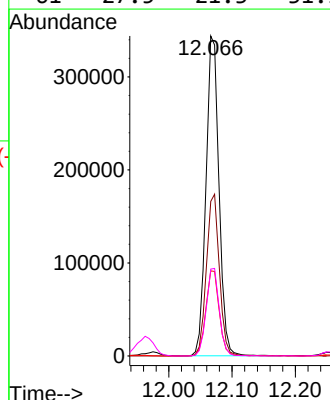
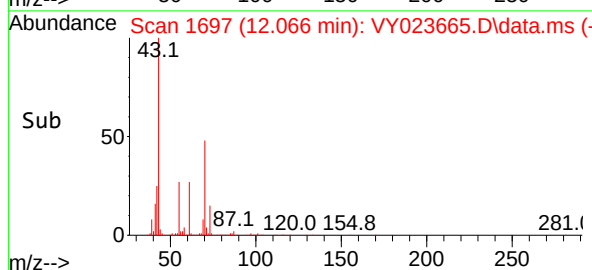
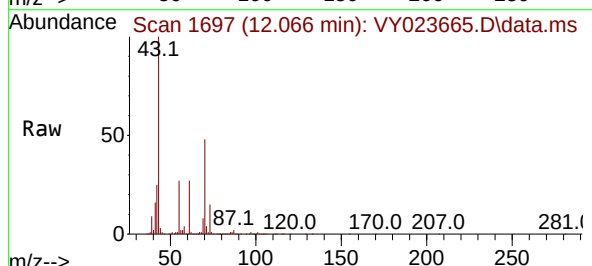
Manual Integrations
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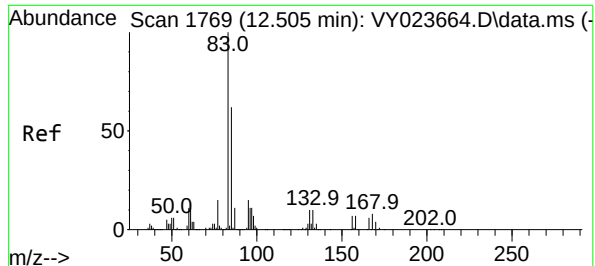
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 117.135 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

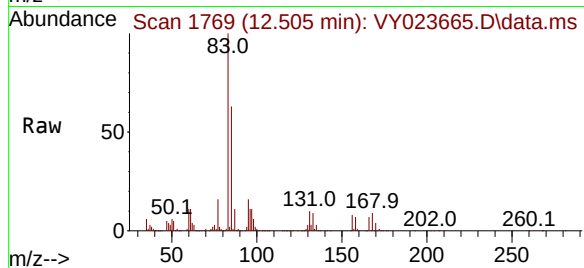
Tgt Ion: 43 Resp: 491427
Ion Ratio Lower Upper
43 100
70 50.8 40.1 60.1
55 27.6 23.0 34.6
61 27.5 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 106.557 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

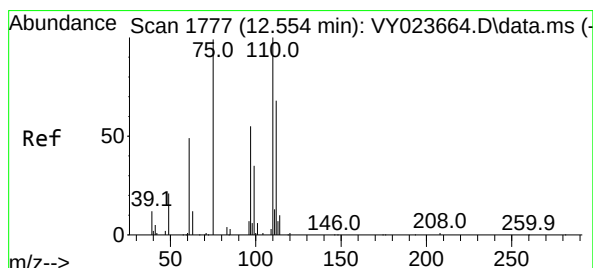
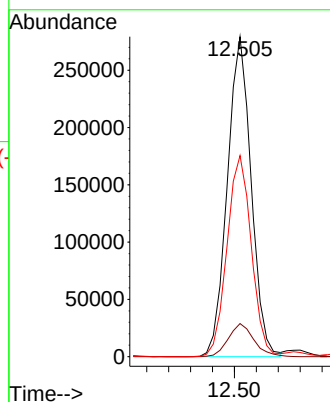
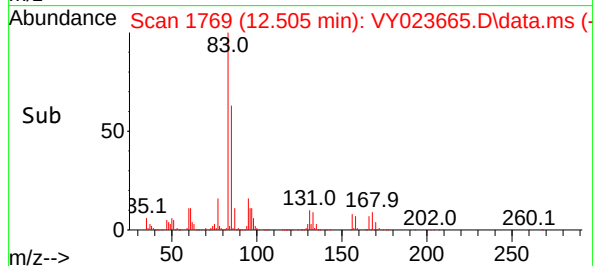
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 421715
Ion Ratio Lower Upper
83 100
131 11.1 5.7 17.0
85 64.1 31.9 95.7

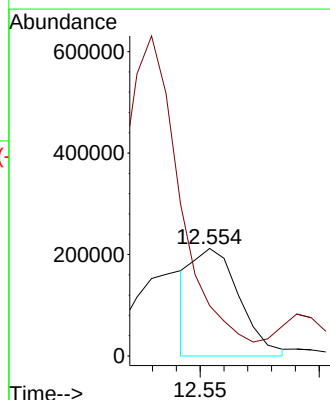
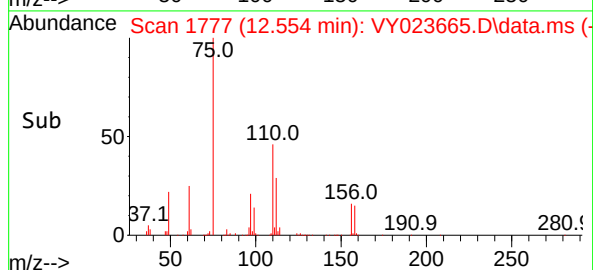
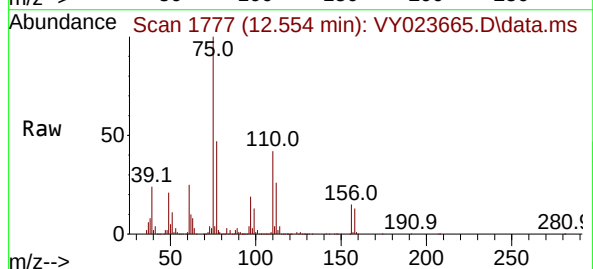
Manual Integrations
APPROVED

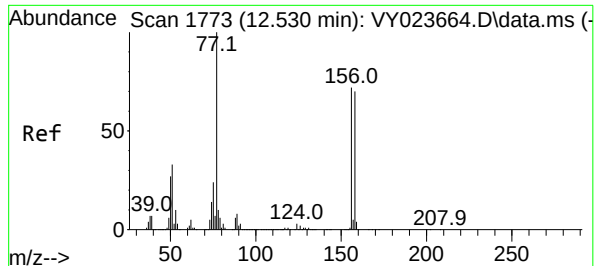
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 98.221 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 75 Resp: 294519
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 105.471 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 677938

Ion Ratio Lower Upper

156 100

77 159.3 77.9 233.7

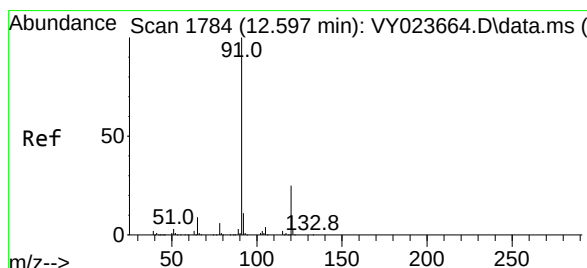
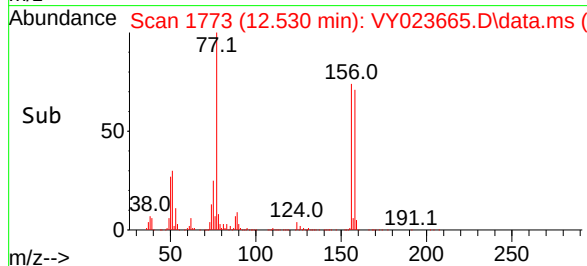
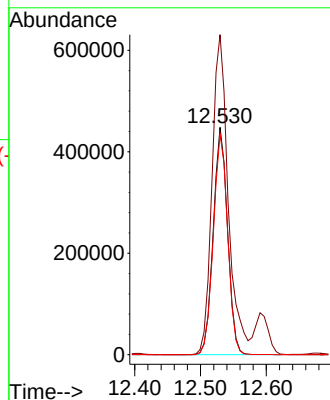
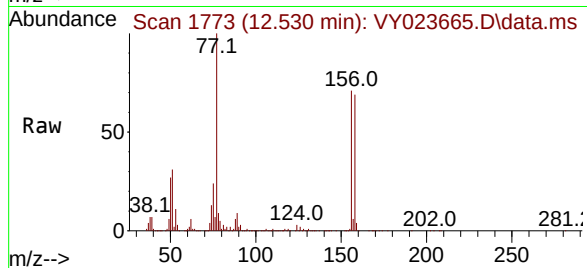
158 97.0 48.5 145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#78

n-propylbenzene

Concen: 106.906 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY023665.D

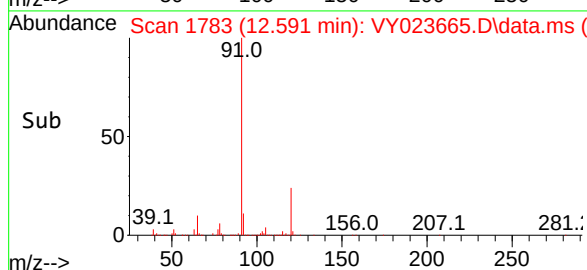
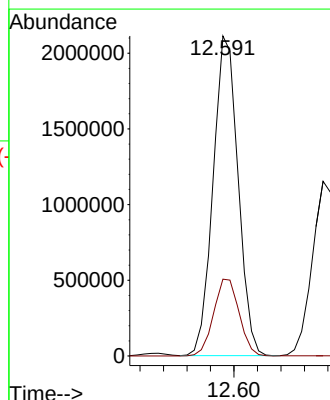
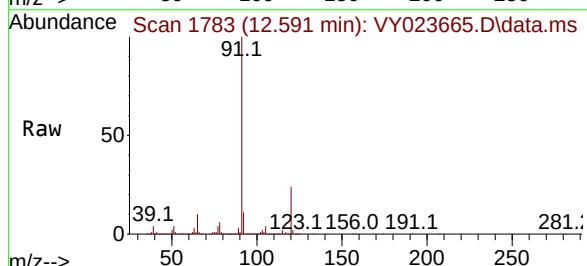
Acq: 04 Nov 2025 11:05

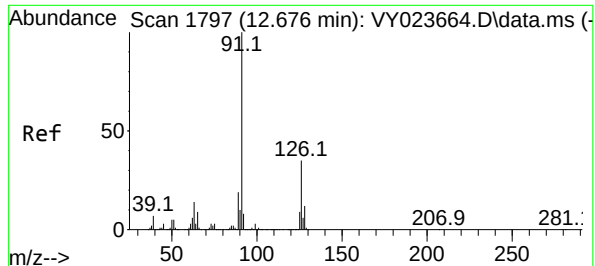
Tgt Ion: 91 Resp: 3116044

Ion Ratio Lower Upper

91 100

120 24.6 12.0 36.1





#79

2-Chlorotoluene

Concen: 105.435 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1783319

Ion Ratio Lower Upper

91 100

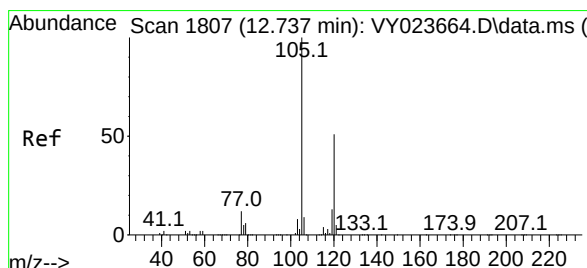
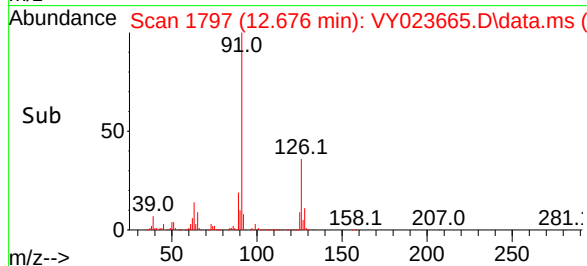
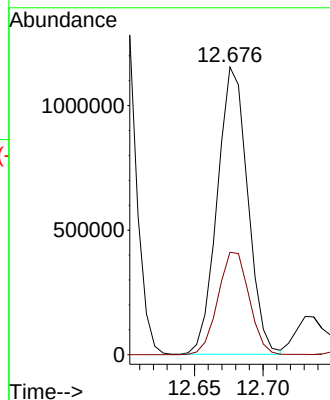
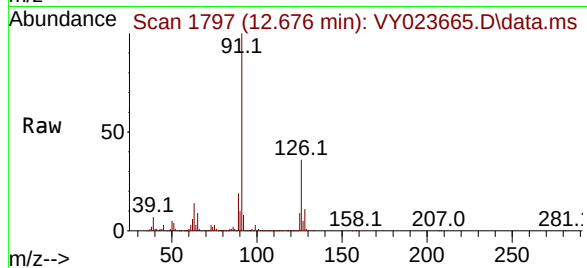
126 36.6 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 108.328 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023665.D

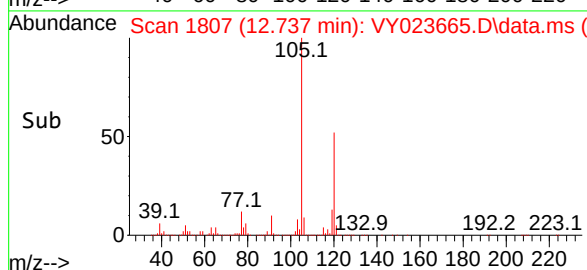
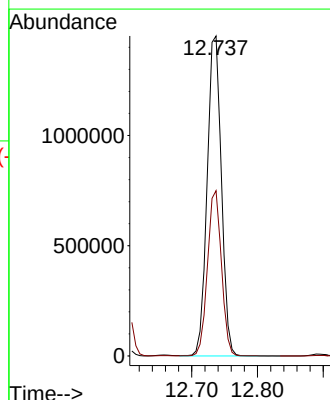
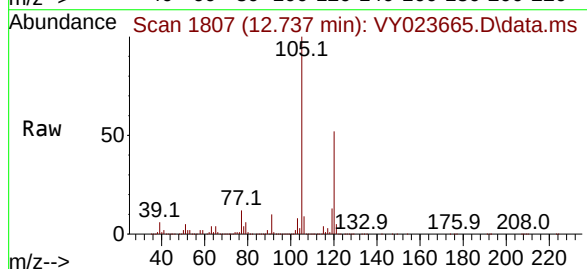
Acq: 04 Nov 2025 11:05

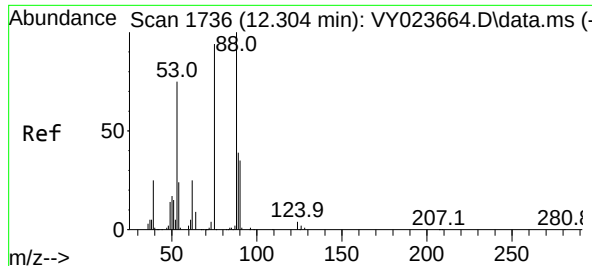
Tgt Ion:105 Resp: 2181015

Ion Ratio Lower Upper

105 100

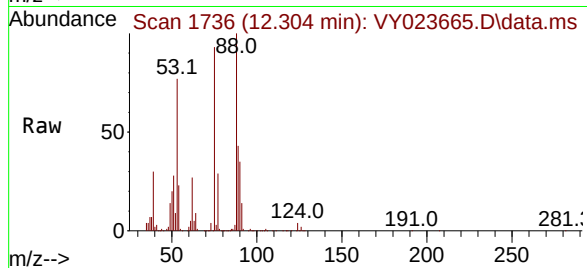
120 50.7 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 107.168 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

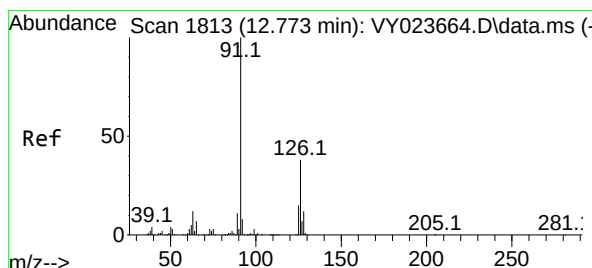
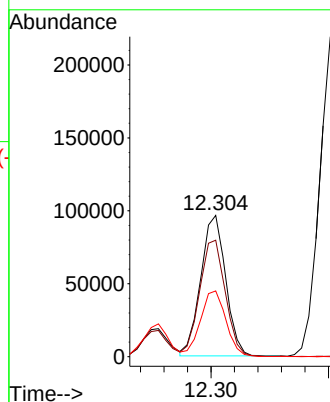
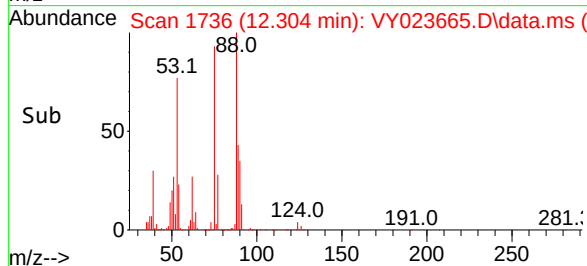
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 142192
Ion Ratio Lower Upper
75 100
53 85.8 69.6 104.4
89 48.4 38.2 57.4

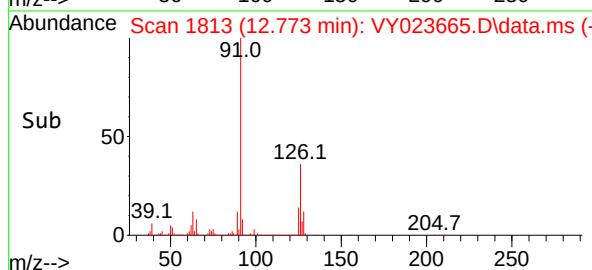
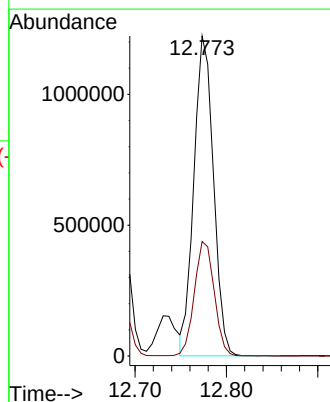
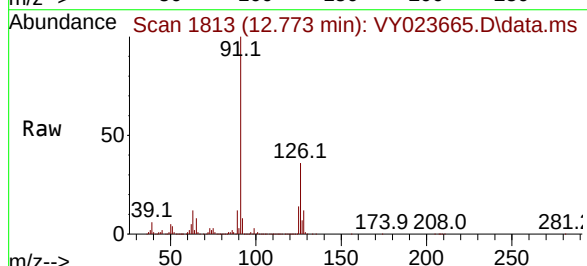
Manual Integrations
APPROVED

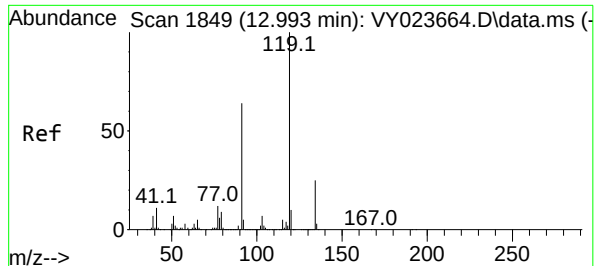
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 104.277 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

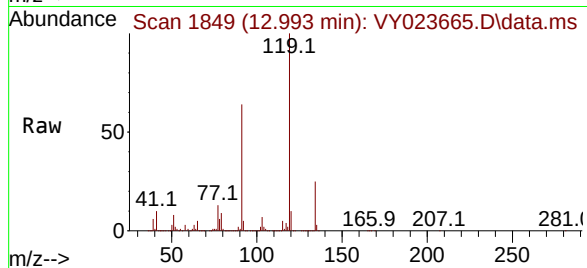
Tgt Ion: 91 Resp: 1818934
Ion Ratio Lower Upper
91 100
126 36.4 18.1 54.4





#83
tert-Butylbenzene
Concen: 109.789 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

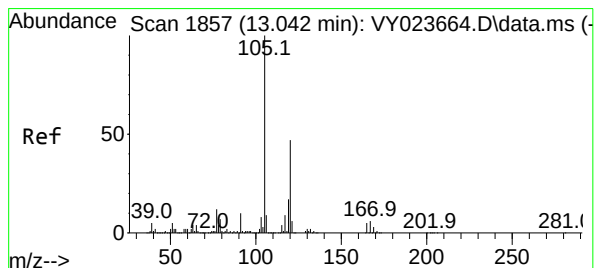
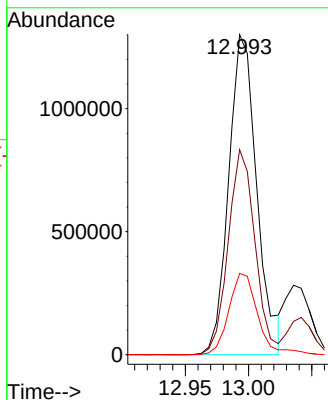
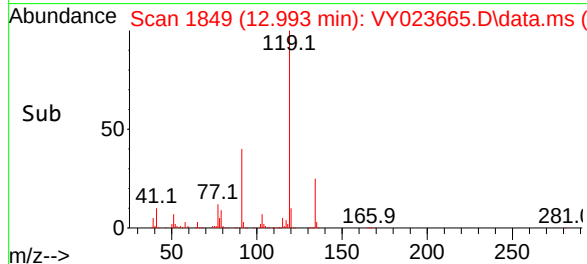
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 2013210
Ion Ratio Lower Upper
119 100
91 61.1 30.7 92.1
134 26.1 13.1 39.1

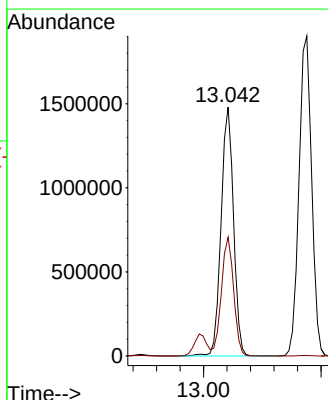
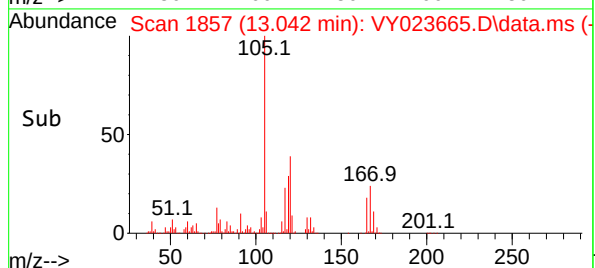
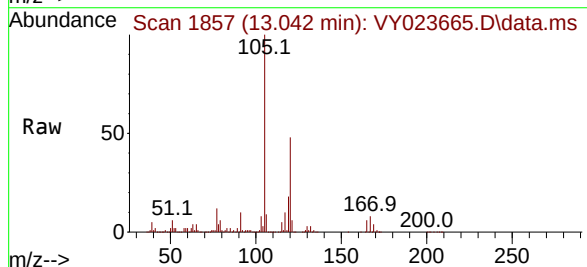
Manual Integrations
APPROVED

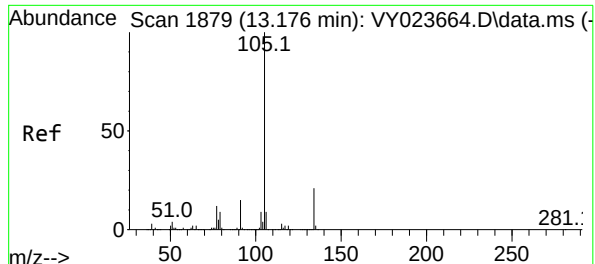
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 108.924 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

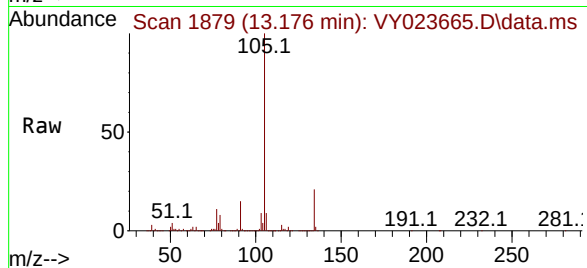
Tgt Ion:105 Resp: 2172108
Ion Ratio Lower Upper
105 100
120 47.1 23.2 69.6





#85
sec-Butylbenzene
Concen: 107.306 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

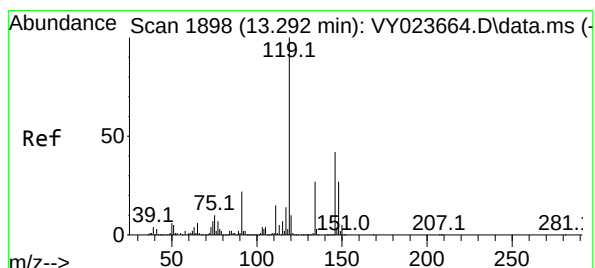
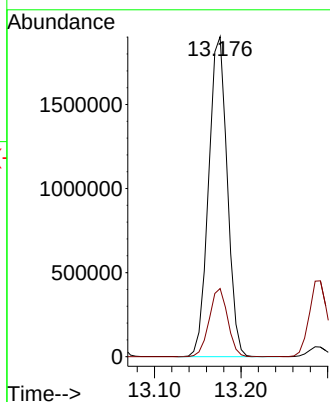
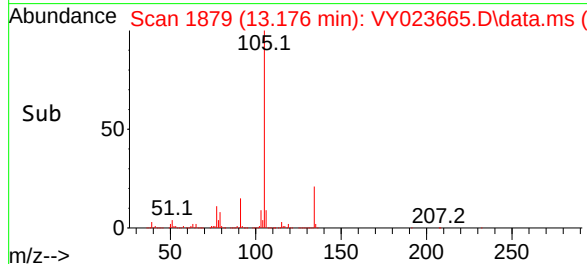
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



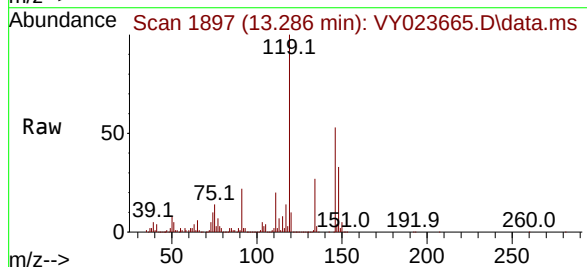
Tgt Ion:105 Resp: 283805
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.4

Manual Integrations
APPROVED

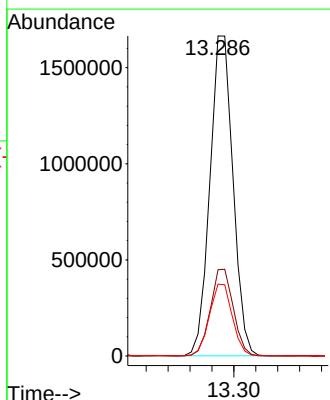
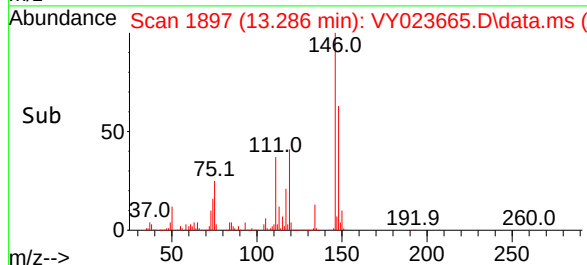
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

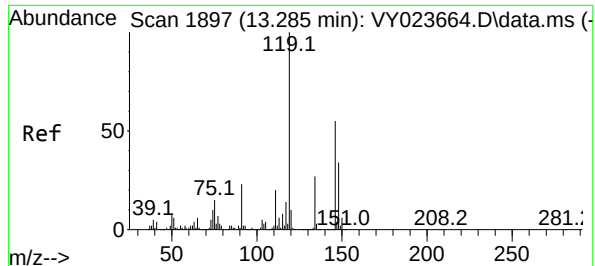


#86
p-Isopropyltoluene
Concen: 108.929 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



Tgt Ion:119 Resp: 2438892
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 102.159 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 1292429

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

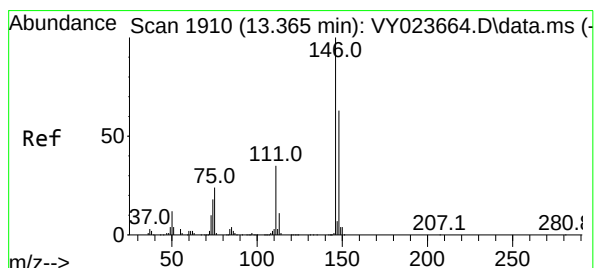
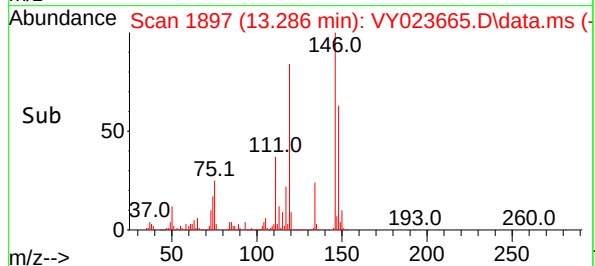
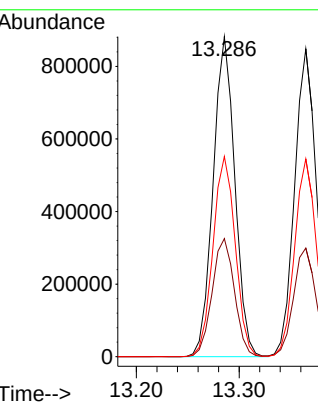
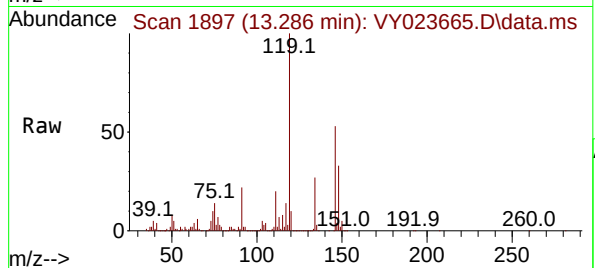
148 64.2 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 100.096 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

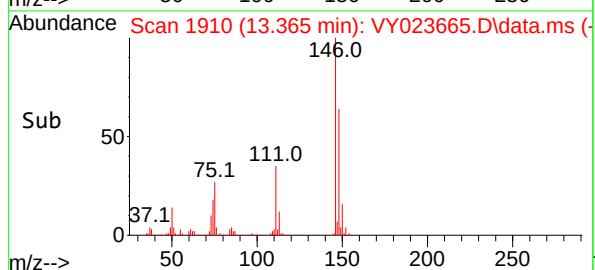
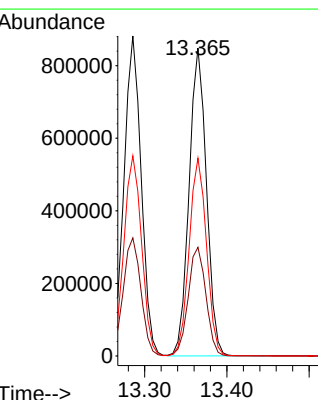
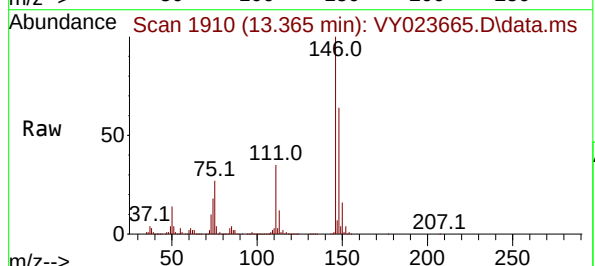
Tgt Ion:146 Resp: 1243927

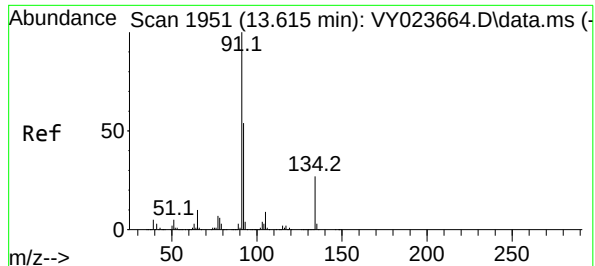
Ion Ratio Lower Upper

146 100

111 36.1 18.3 54.8

148 64.5 31.8 95.3





#89

n-Butylbenzene

Concen: 109.503 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 213196

Ion Ratio Lower Upper

91 100

92 54.2 26.5 79.4

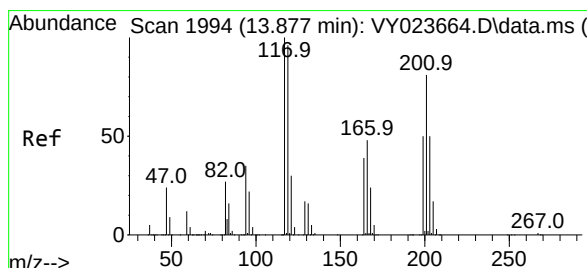
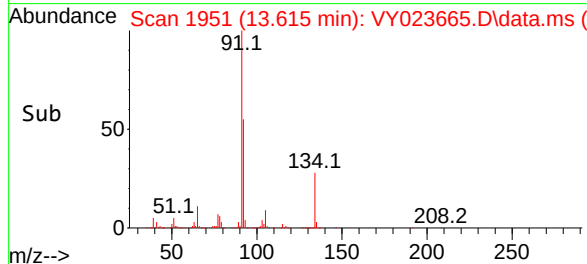
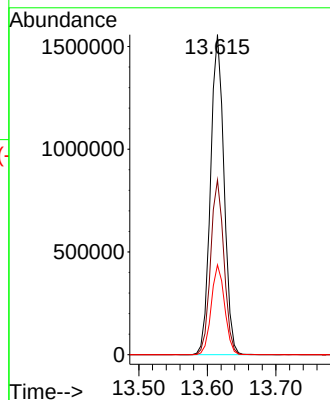
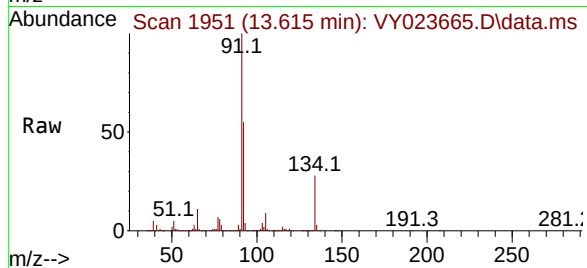
134 27.8 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 102.262 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023665.D

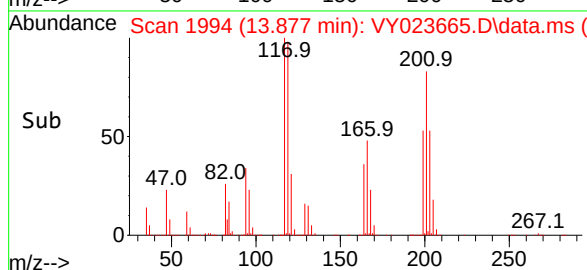
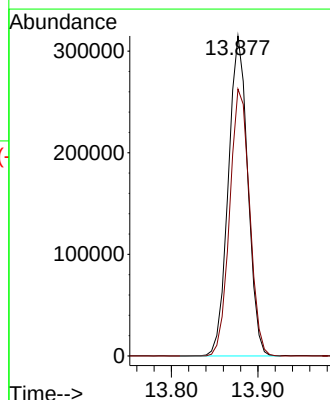
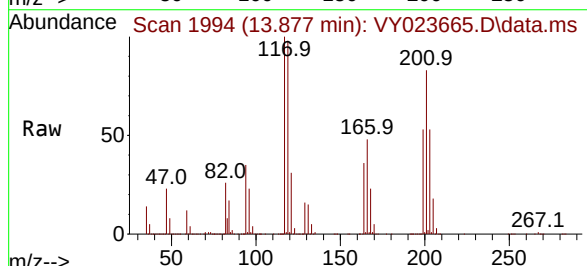
Acq: 04 Nov 2025 11:05

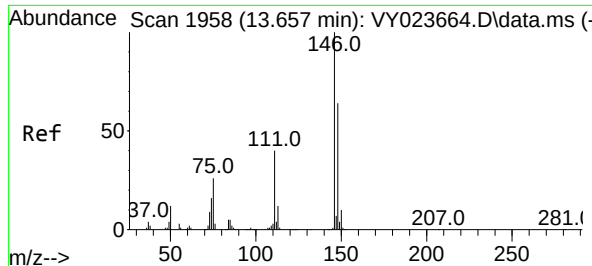
Tgt Ion:117 Resp: 492034

Ion Ratio Lower Upper

117 100

201 85.0 42.3 126.8





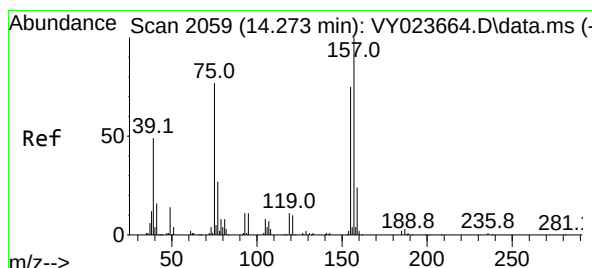
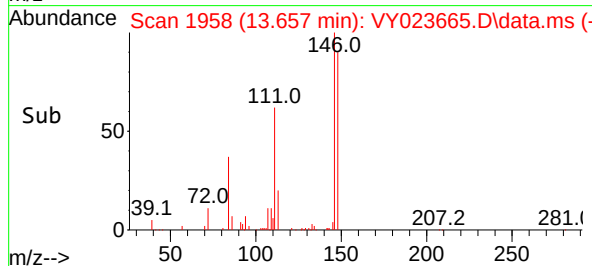
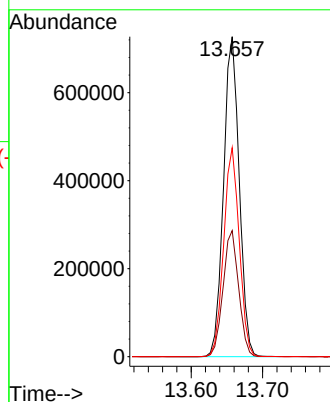
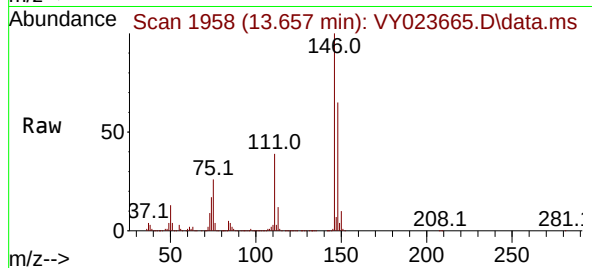
#91
1,2-Dichlorobenzene
Concen: 101.567 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:146 Resp: 110734
Ion Ratio Lower Upper
146 100
111 39.3 19.5 58.5
148 64.8 31.9 95.9

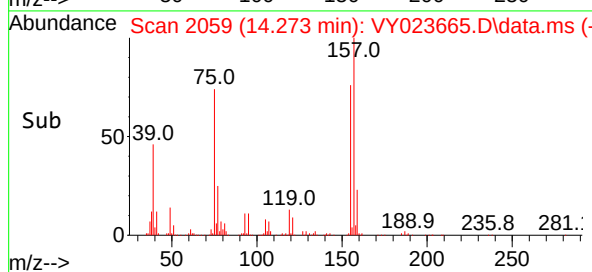
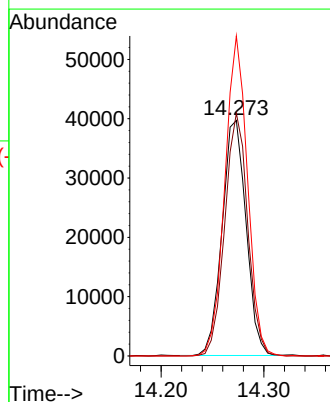
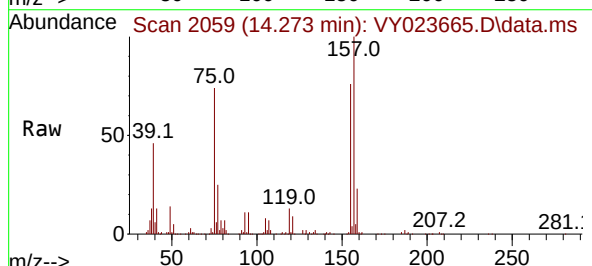
Manual Integrations
APPROVED

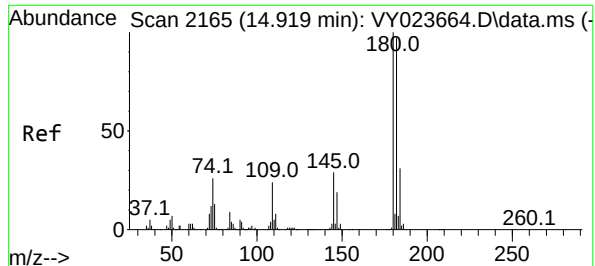
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 105.113 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 75 Resp: 64052
Ion Ratio Lower Upper
75 100
155 99.0 49.4 148.2
157 128.6 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 110.855 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 691314

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

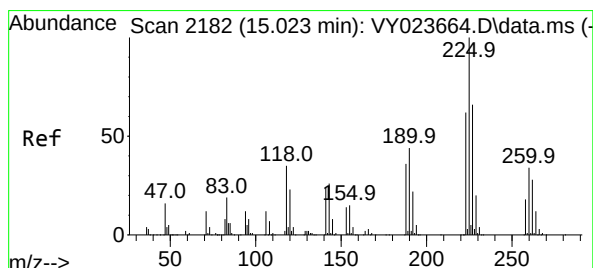
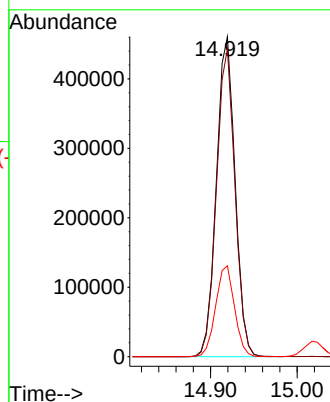
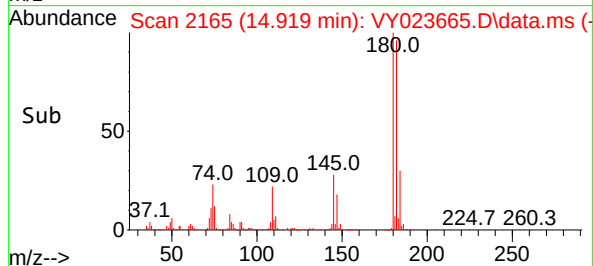
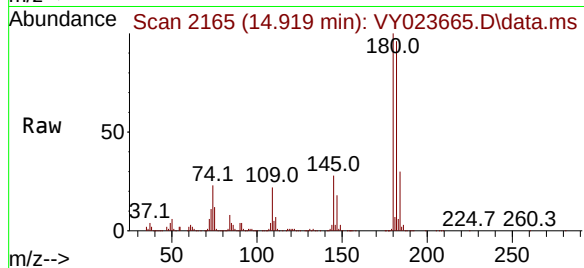
145 28.7 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 101.602 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

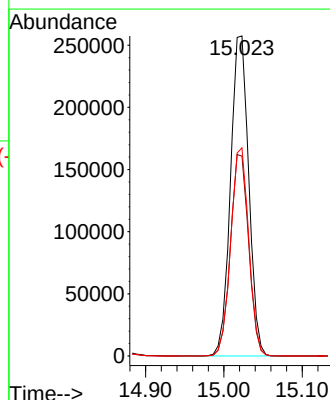
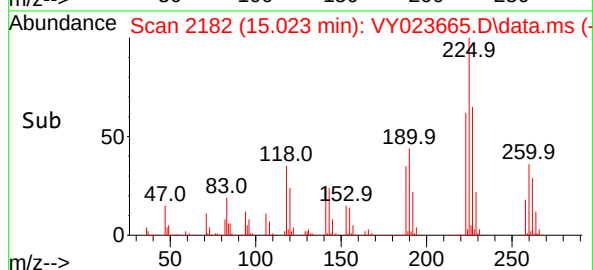
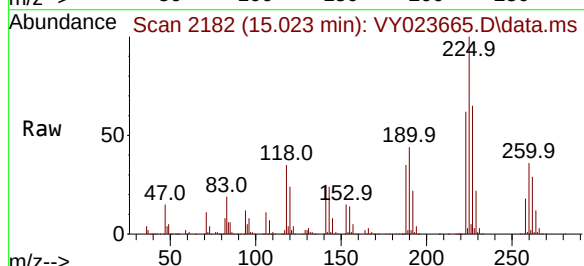
Tgt Ion:225 Resp: 415145

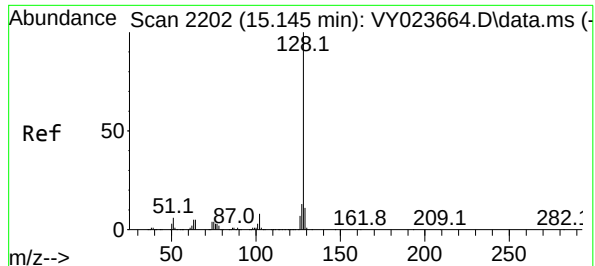
Ion Ratio Lower Upper

225 100

223 62.8 30.8 92.3

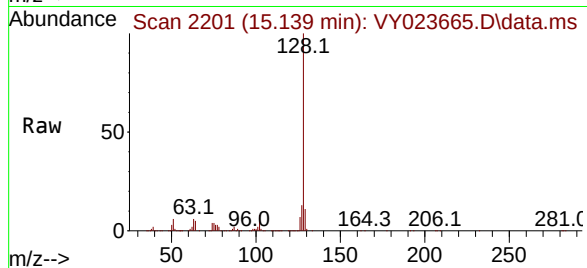
227 64.5 32.0 96.2





#95
Naphthalene
Concen: 99.258 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

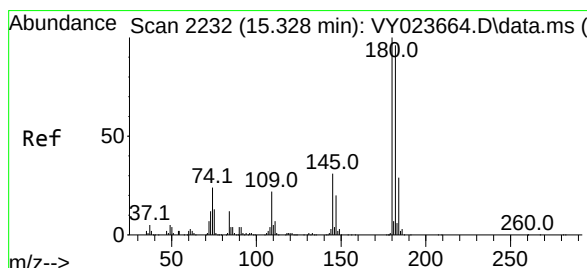
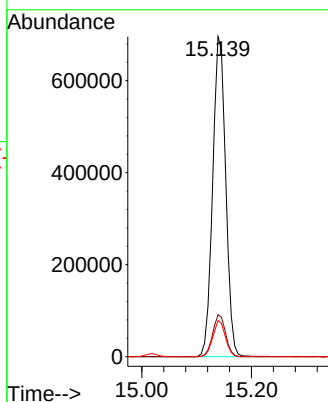
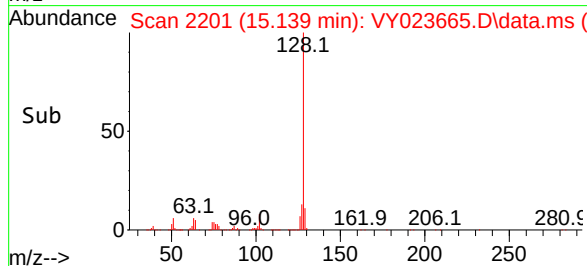
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 1145310
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.8 13.2

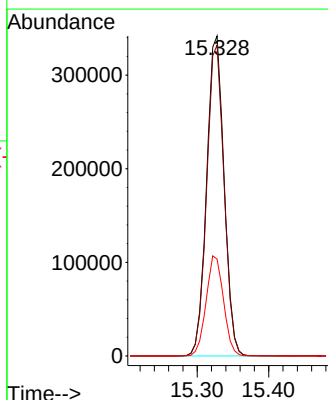
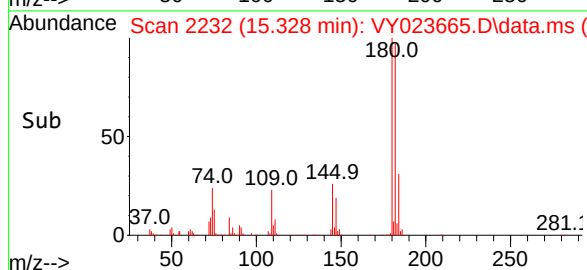
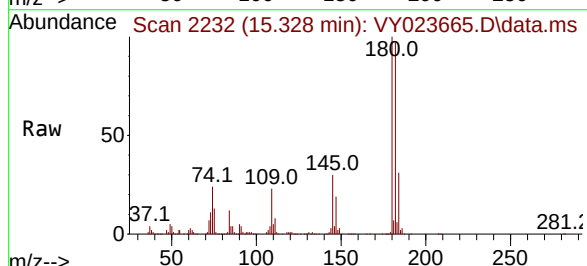
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 111.152 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:180 Resp: 579136
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.6
145 31.2 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	621042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	901916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	790988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	391606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	757684	143.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 286.060%#			
35) Dibromofluoromethane	7.634	113	832527	147.706	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 295.420%#			
50) Toluene-d8	10.109	98	3136015	149.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 298.720%#			
62) 4-Bromofluorobenzene	12.402	95	1040552	153.250	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.500%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	496440	121.776	ug/l	99
3) Chloromethane	2.068	50	712373	124.873	ug/l	99
4) Vinyl Chloride	2.208	62	946660	127.526	ug/l	99
5) Bromomethane	2.586	94	814598	130.454	ug/l	99
6) Chloroethane	2.733	64	660222	128.682	ug/l	99
7) Trichlorofluoromethane	3.056	101	1409197	134.789	ug/l	99
8) Diethyl Ether	3.452	74	408901	145.847	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	772147	134.049	ug/l	100
10) Methyl Iodide	4.007	142	993484	146.059	ug/l	99
11) Tert butyl alcohol	4.860	59	249226	729.606	ug/l	98
12) 1,1-Dichloroethene	3.787	96	780521	140.665	ug/l	99
13) Acrolein	3.653	56	304058	692.535	ug/l	99
14) Allyl chloride	4.385	41	1016094	150.446	ug/l	98
15) Acrylonitrile	5.055	53	824786	769.798	ug/l	99
16) Acetone	3.866	43	947595	719.612	ug/l	99
17) Carbon Disulfide	4.104	76	2304859	135.337	ug/l	100
18) Methyl Acetate	4.385	43	405494	139.609	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	2032527	157.970	ug/l	99
20) Methylene Chloride	4.616	84	813039	127.899	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	892080	142.587	ug/l	95
22) Diisopropyl ether	6.019	45	2264384	150.464	ug/l	98
23) Vinyl Acetate	5.958	43	6576961	818.950	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1415798	141.217	ug/l	99
25) 2-Butanone	6.896	43	1180801	775.579	ug/l	99
26) 2,2-Dichloropropane	6.884	77	1319960	143.128	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	1051376	147.141	ug/l	99
28) Bromochloromethane	7.244	49	519064	135.216	ug/l	99
29) Tetrahydrofuran	7.262	42	655805	808.815	ug/l	99
30) Chloroform	7.421	83	1551090	138.663	ug/l	99
31) Cyclohexane	7.701	56	1230432	140.926	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	1402944	140.327	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1096950	145.645	ug/l	99
37) Ethyl Acetate	6.982	43	465489	159.651	ug/l	99
38) Carbon Tetrachloride	7.817	117	1279569	144.193	ug/l	99
39) Methylcyclohexane	9.109	83	1522789	158.237	ug/l	99
40) Benzene	8.079	78	3423551	144.208	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	270053	173.645	ug/l	93
42) 1,2-Dichloroethane	8.158	62	864999	144.018	ug/l	99
43) Isopropyl Acetate	8.195	43	915445	167.105	ug/l	100
44) Trichloroethene	8.866	130	968647	142.056	ug/l	100
45) 1,2-Dichloropropane	9.140	63	765153	146.035	ug/l	98
46) Dibromomethane	9.231	93	477241	147.004	ug/l	99
47) Bromodichloromethane	9.420	83	1193540	145.820	ug/l	100
48) Methyl methacrylate	9.219	41	456960	176.551	ug/l	99
49) 1,4-Dioxane	9.225	88	110006	3311.077	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	2437010	836.491	ug/l	100
52) Toluene	10.170	92	2278105	150.304	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	1101094	158.988	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1281333	154.422	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	637615	146.967	ug/l	98
56) Ethyl methacrylate	10.438	69	873314	182.696	ug/l	99
57) 1,3-Dichloropropane	10.719	76	1018360	147.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1973993	899.933	ug/l	99
59) 2-Hexanone	10.762	43	1802207	847.892	ug/l	99
60) Dibromochloromethane	10.914	129	889783	149.265	ug/l	99
61) 1,2-Dibromoethane	11.012	107	612102	150.335	ug/l	100
64) Tetrachloroethene	10.646	164	1096726	133.211	ug/l	98
65) Chlorobenzene	11.438	112	2508744	145.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	891788	146.458	ug/l	99
67) Ethyl Benzene	11.518	91	4316877	154.896	ug/l	100
68) m/p-Xylenes	11.627	106	3451849	310.002	ug/l	99
69) o-Xylene	11.957	106	1640734	159.402	ug/l	100
70) Styrene	11.969	104	2716949	159.981	ug/l	99
71) Bromoform	12.133	173	548567	154.254	ug/l	100
73) Isopropylbenzene	12.255	105	4137095	157.957	ug/l	99
74) N-amyl acetate	12.066	43	819575	184.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	662143	158.291	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	459716m	145.052	ug/l	
77) Bromobenzene	12.530	156	1039954	153.073	ug/l	98
78) n-propylbenzene	12.591	91	4789010	155.449	ug/l	99
79) 2-Chlorotoluene	12.676	91	2739475	153.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	3356489	157.728	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	230746	164.538	ug/l	98
82) 4-Chlorotoluene	12.773	91	2799224	151.827	ug/l	99
83) tert-Butylbenzene	12.993	119	3140967	162.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	3343184	158.616	ug/l	99
85) sec-Butylbenzene	13.176	105	4372346	156.408	ug/l	99
86) p-Isopropyltoluene	13.292	119	3826970	161.714	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	2007587	150.136	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1914429	145.749	ug/l	99
89) n-Butylbenzene	13.615	91	3341239	162.367	ug/l	98
90) Hexachloroethane	13.877	117	761235	149.685	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1711163	148.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	101448	157.511	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	1108704	168.205	ug/l	99
94) Hexachlorobutadiene	15.023	225	641847	148.620	ug/l	99
95) Naphthalene	15.139	128	1891291	152.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	929367	168.759	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023666.D
Acq On : 04 Nov 2025 11:27
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

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

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

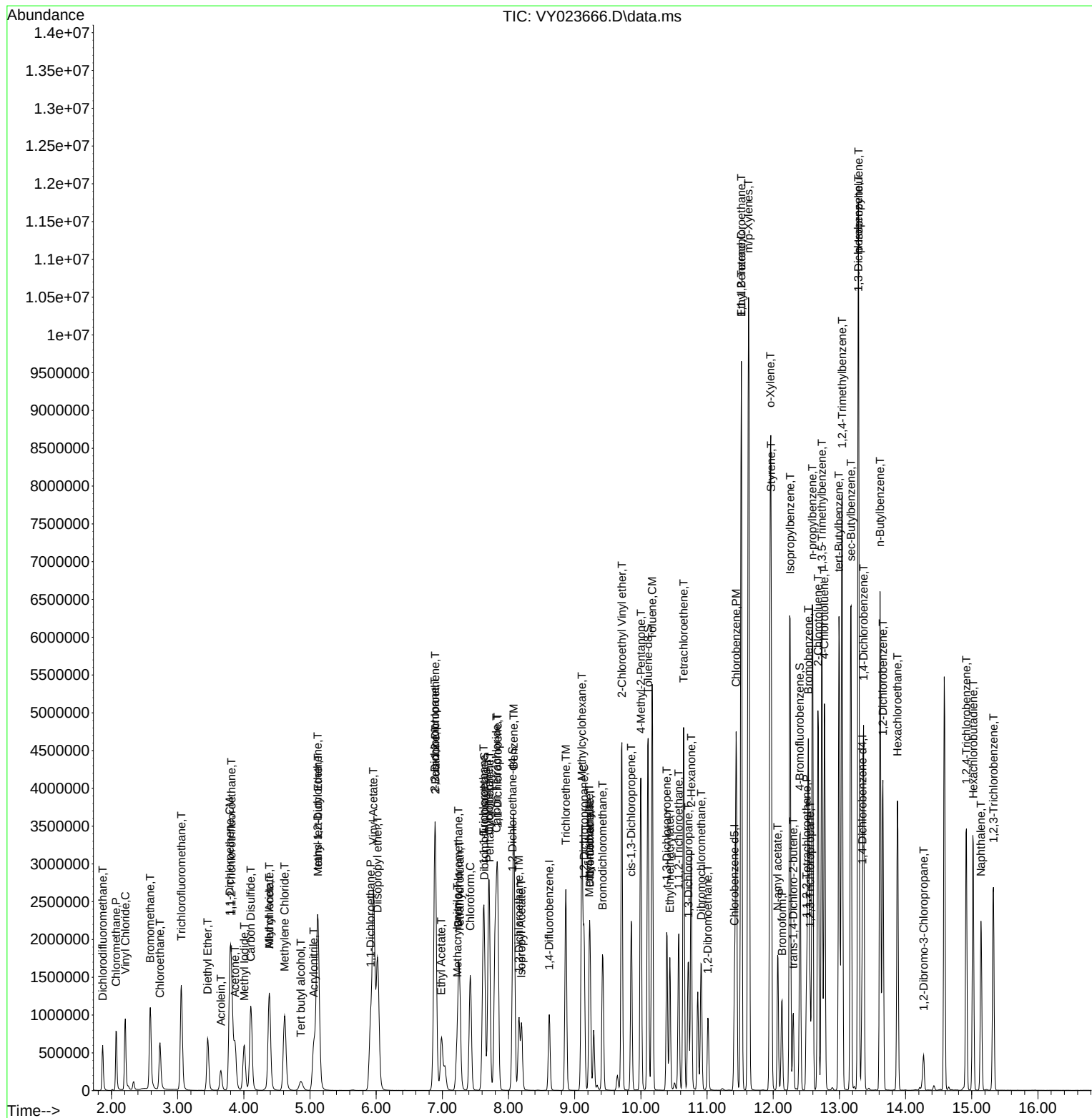
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 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

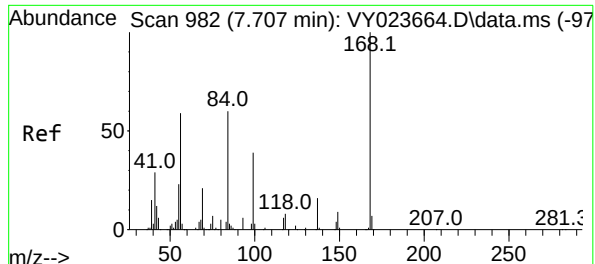
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 05 04:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025





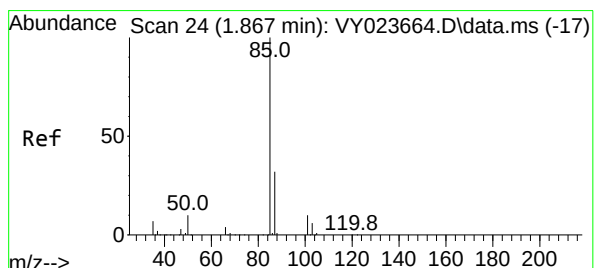
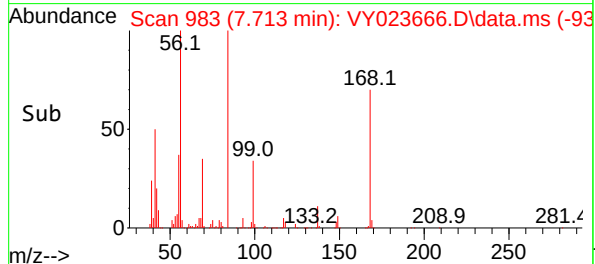
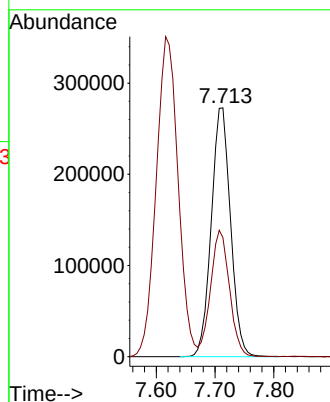
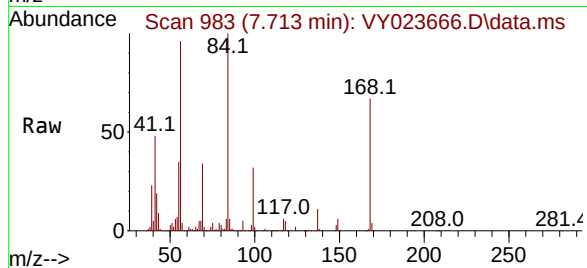
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 62104
Ion Ratio Lower Upper
168 100
99 47.8 41.0 61.4

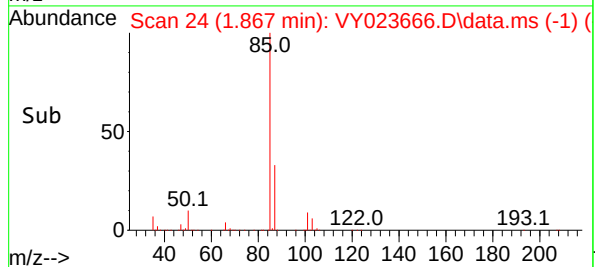
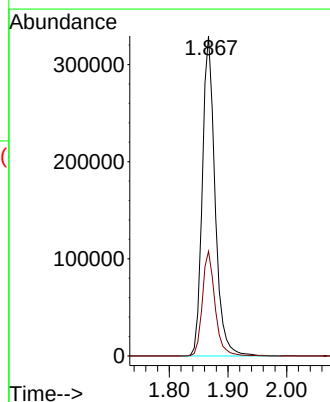
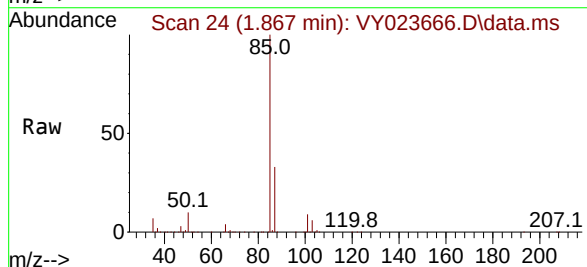
Manual Integrations
APPROVED

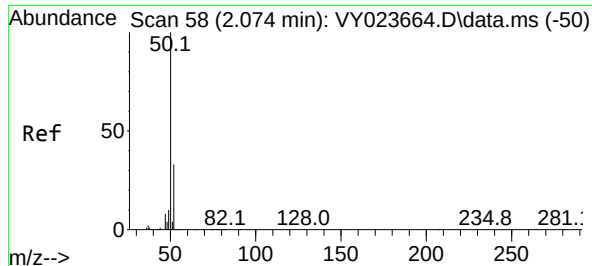
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 121.776 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

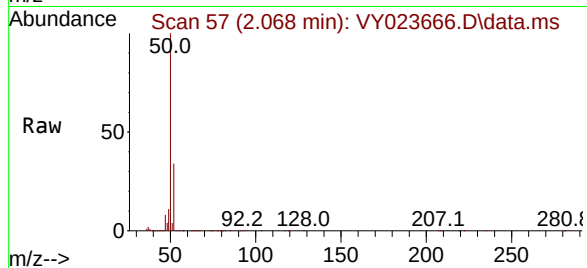
Tgt Ion: 85 Resp: 496440
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





#3
Chloromethane
Concen: 124.873 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

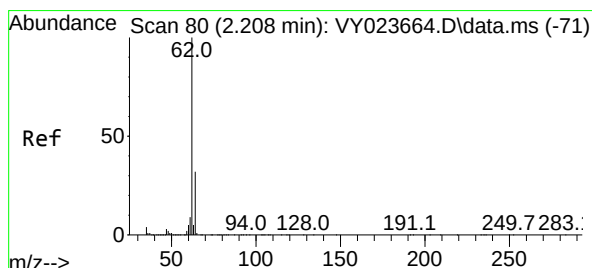
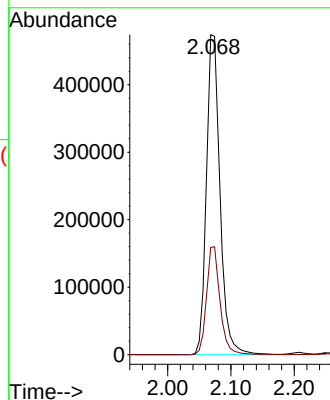
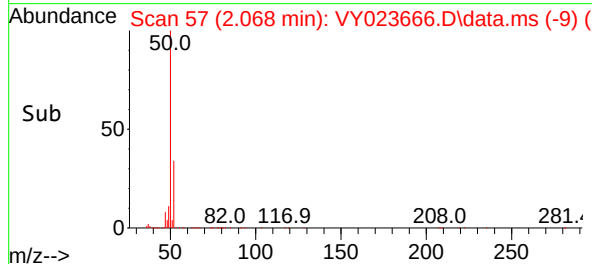
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 71237
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

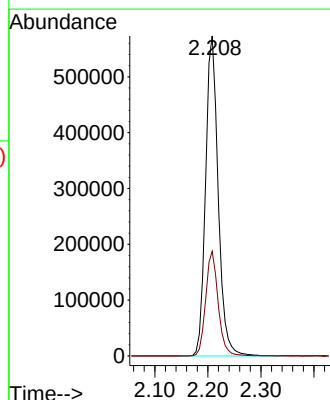
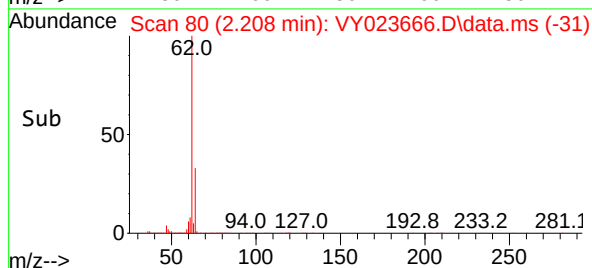
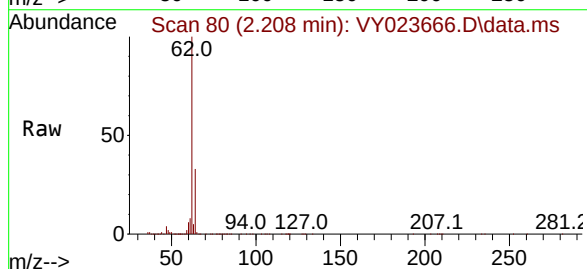
Manual Integrations
APPROVED

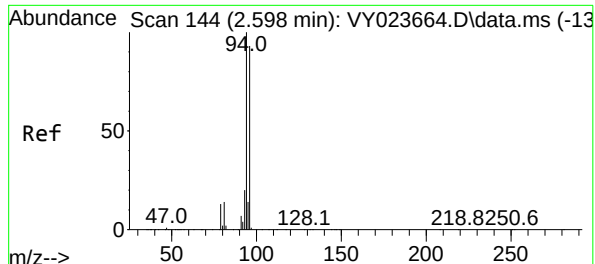
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 127.526 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

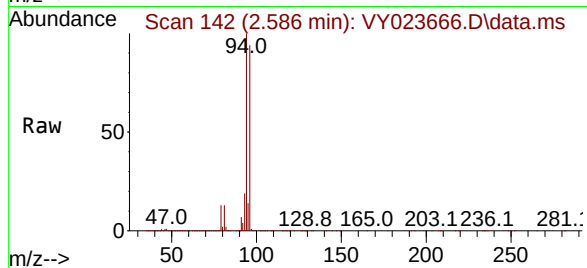
Tgt Ion: 62 Resp: 946660
Ion Ratio Lower Upper
62 100
64 32.7 25.7 38.5





#5
Bromomethane
Concen: 130.454 ug/l
RT: 2.586 min Scan# 144
Delta R.T. -0.012 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

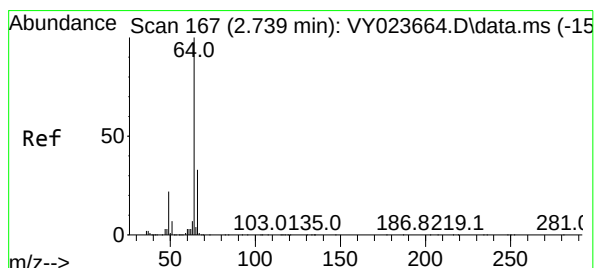
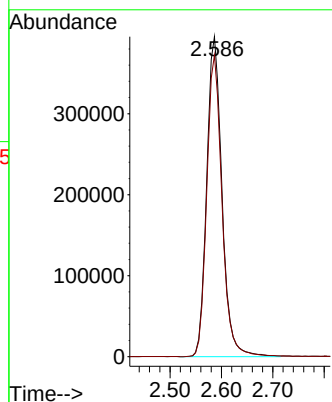
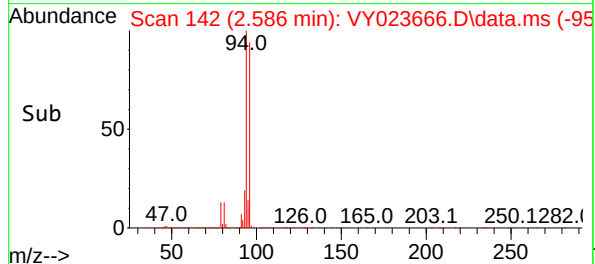
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



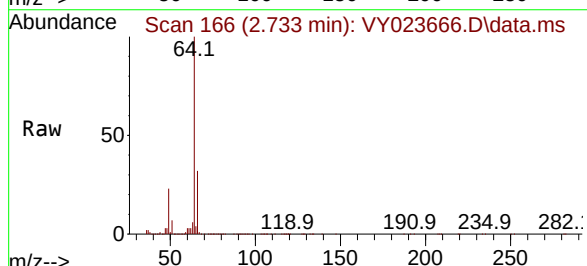
Tgt Ion: 94 Resp: 814598
Ion Ratio Lower Upper
94 100
96 94.3 74.4 111.6

Manual Integrations
APPROVED

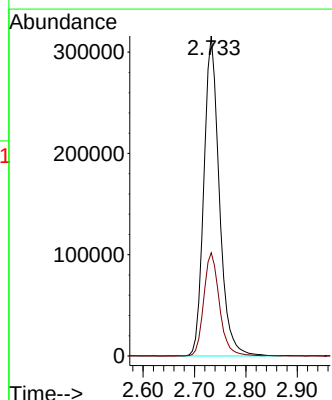
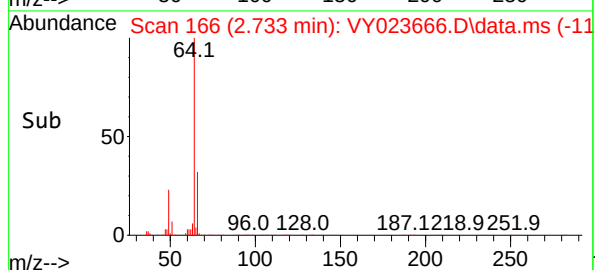
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

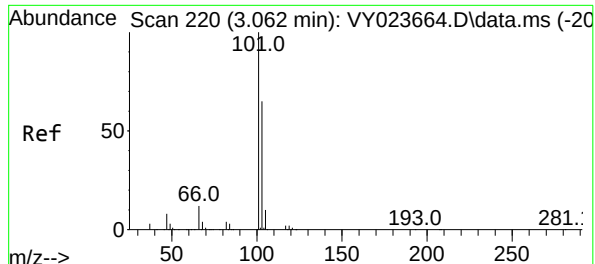


#6
Chloroethane
Concen: 128.682 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



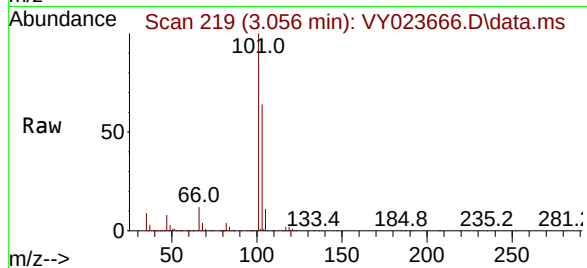
Tgt Ion: 64 Resp: 660222
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

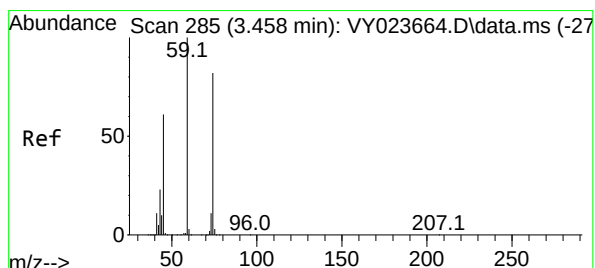
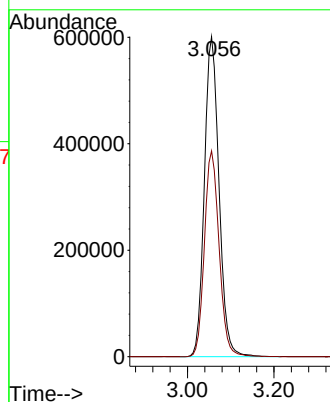
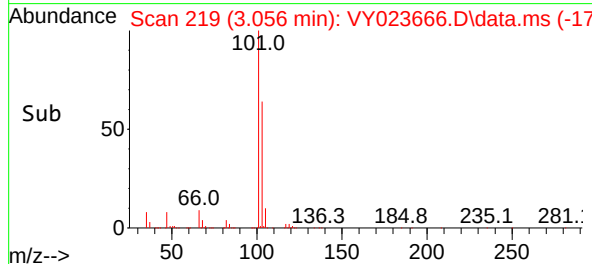
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 140919
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1

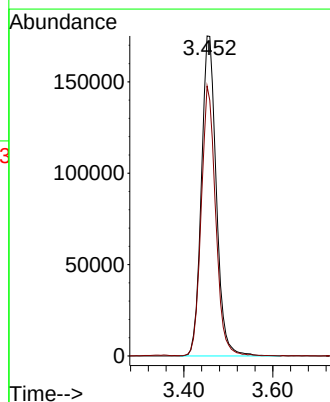
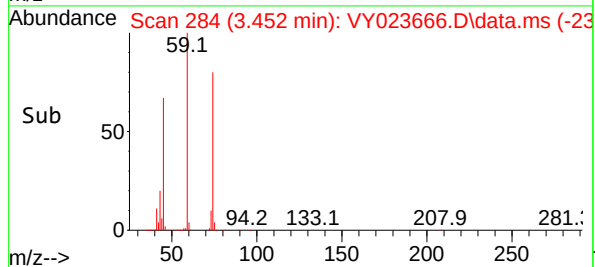
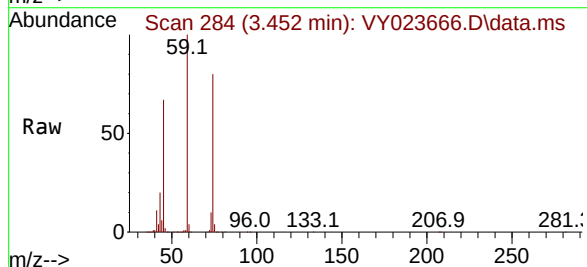
Manual Integrations
APPROVED

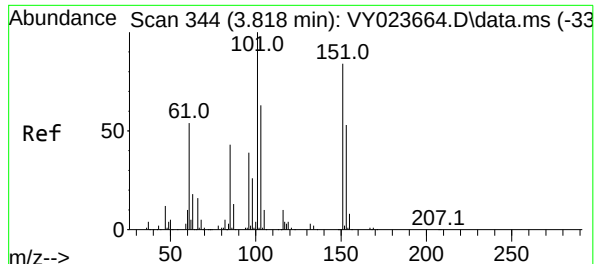
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 145.847 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 74 Resp: 408901
Ion Ratio Lower Upper
74 100
45 81.4 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.049 ug/l

RT: 3.812 min Scan# 344

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:101 Resp: 77214

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

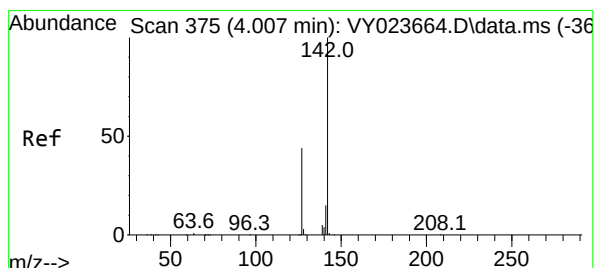
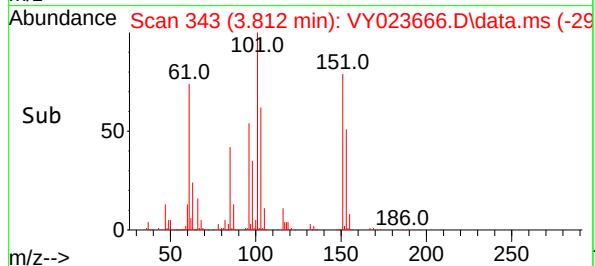
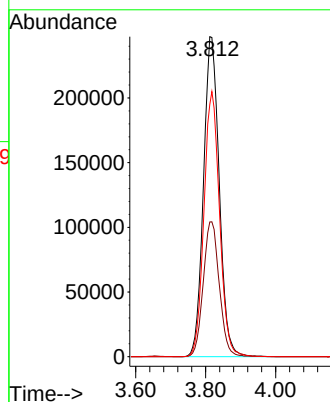
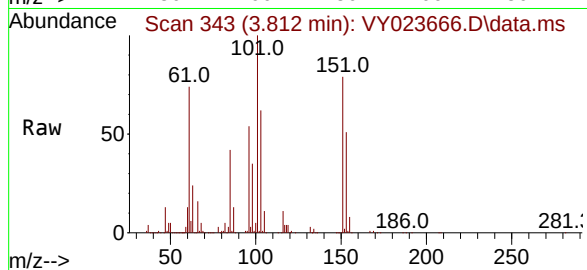
151 82.3 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 146.059 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

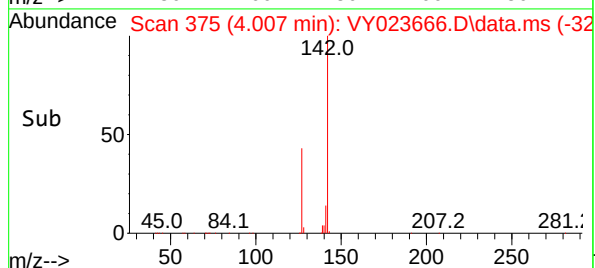
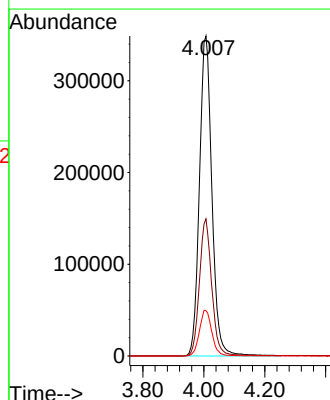
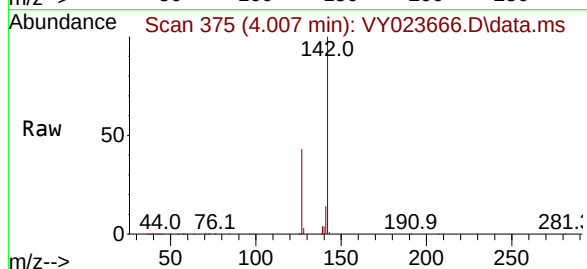
Tgt Ion:142 Resp: 993484

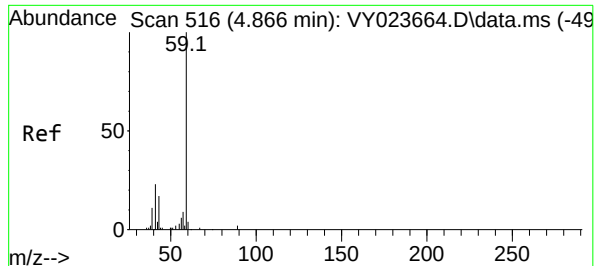
Ion Ratio Lower Upper

142 100

127 42.2 34.6 51.8

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 729.606 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 249220

Ion Ratio Lower Upper

59 100

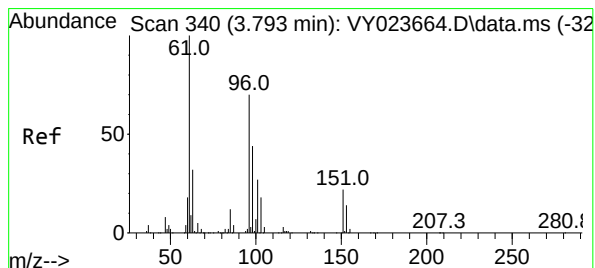
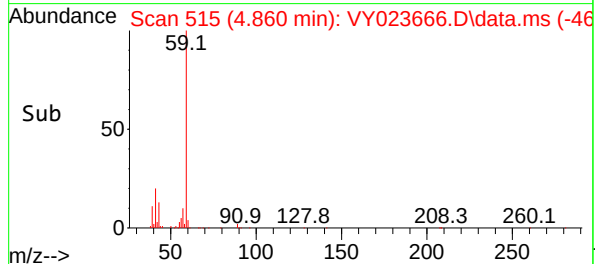
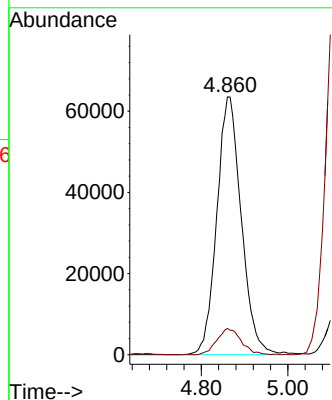
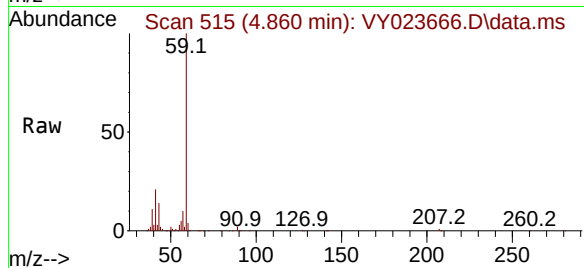
57 10.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 140.665 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

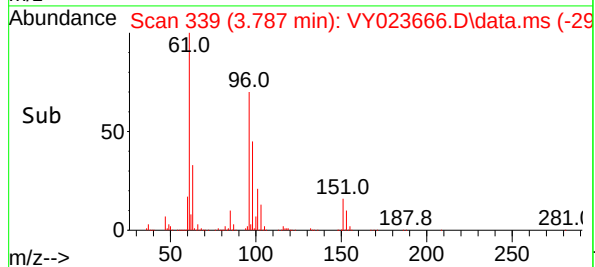
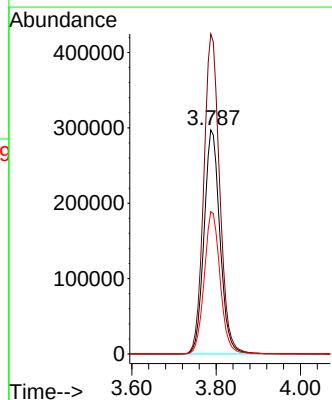
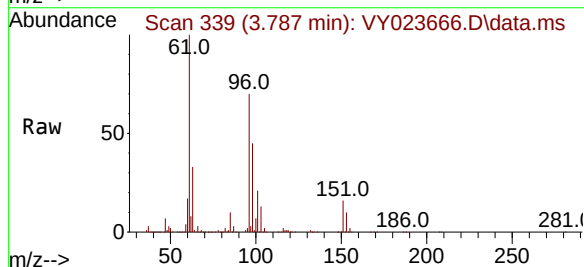
Tgt Ion: 96 Resp: 780521

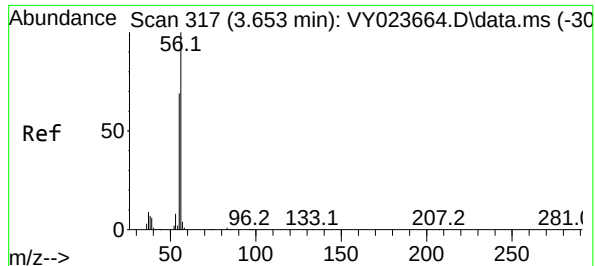
Ion Ratio Lower Upper

96 100

61 142.9 114.0 171.0

98 63.6 50.2 75.2





#13

Acrolein

Concen: 692.535 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 304058

Ion Ratio Lower Upper

56 100

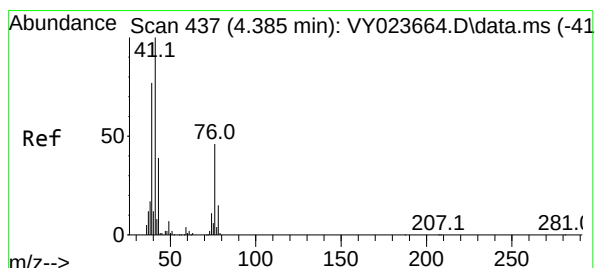
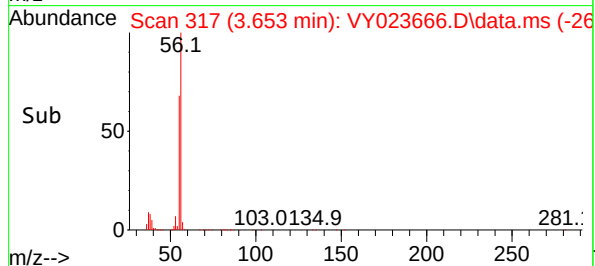
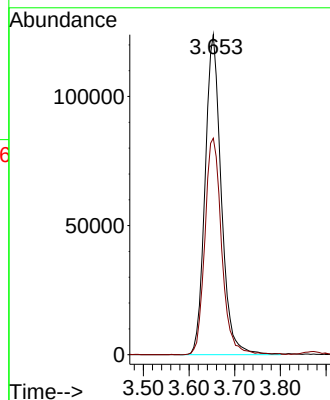
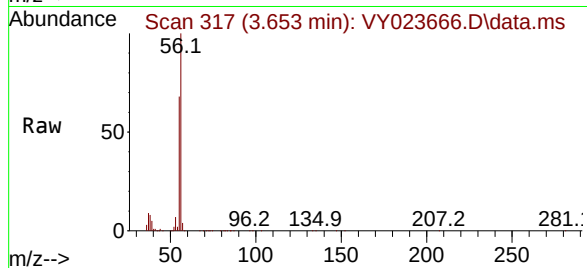
55 70.2 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 150.446 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

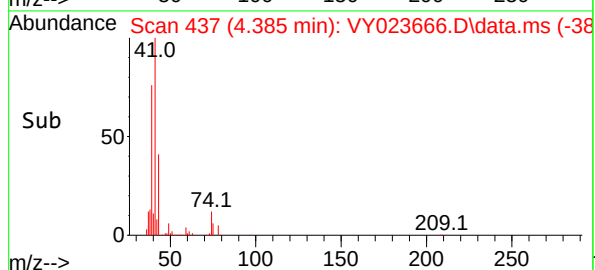
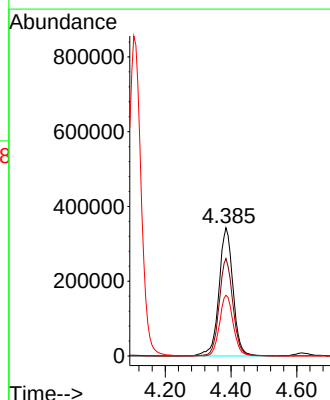
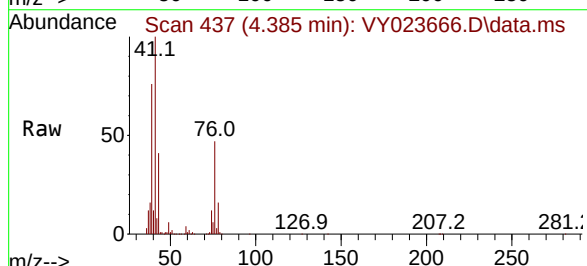
Tgt Ion: 41 Resp: 1016094

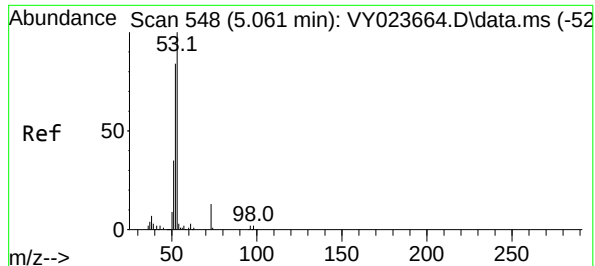
Ion Ratio Lower Upper

41 100

39 74.1 60.4 90.6

76 45.8 38.0 57.0





#15

Acrylonitrile

Concen: 769.798 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 824780

Ion Ratio Lower Upper

53 100

52 80.5 64.9 97.3

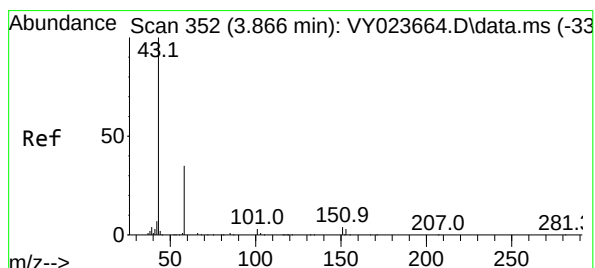
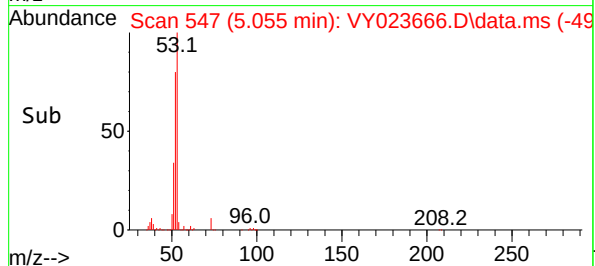
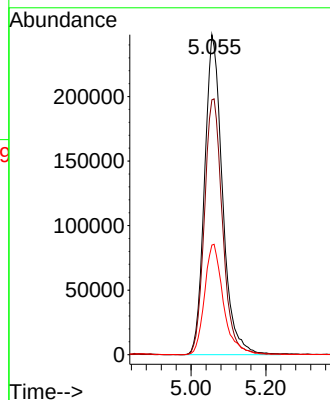
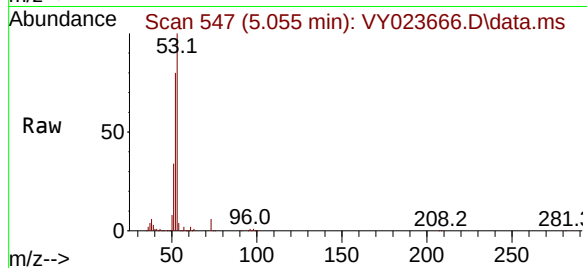
51 36.4 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 719.612 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023666.D

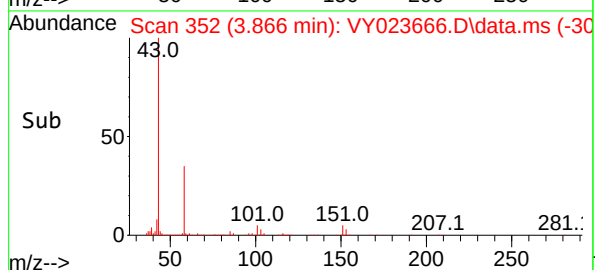
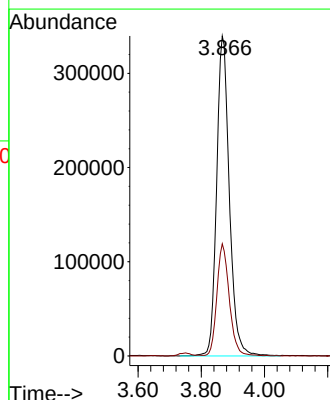
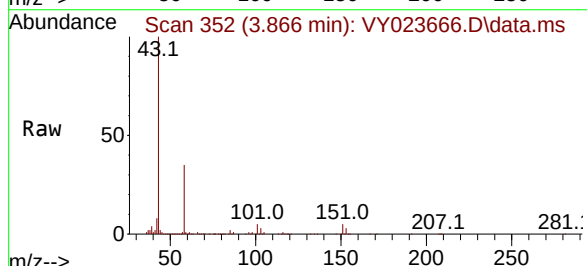
Acq: 04 Nov 2025 11:27

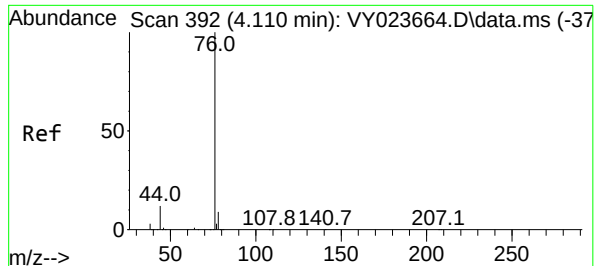
Tgt Ion: 43 Resp: 947595

Ion Ratio Lower Upper

43 100

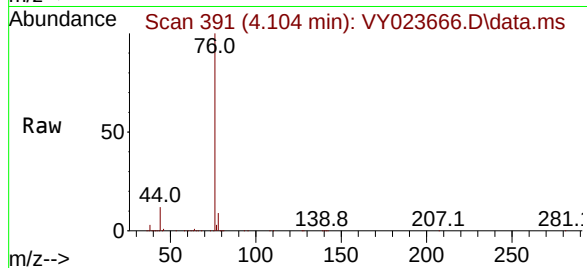
58 35.0 28.2 42.4





#17
Carbon Disulfide
Concen: 135.337 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

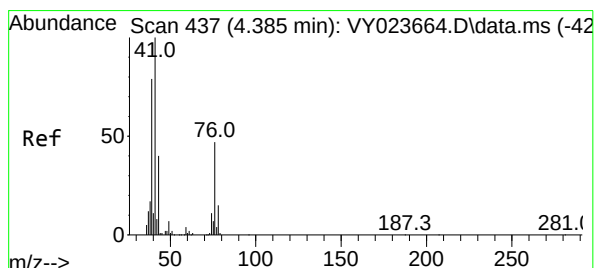
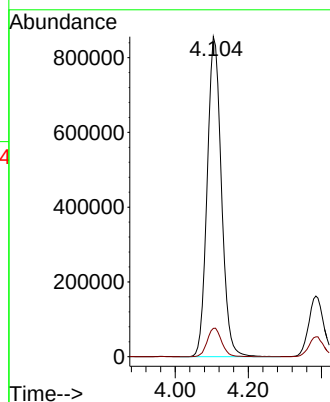
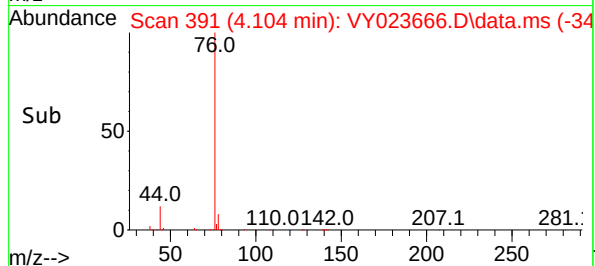
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 230485
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

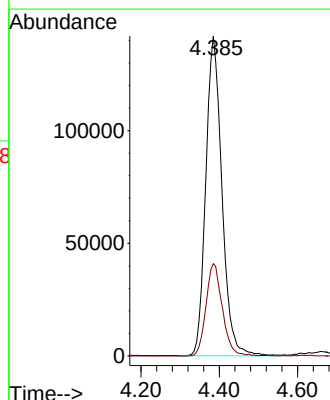
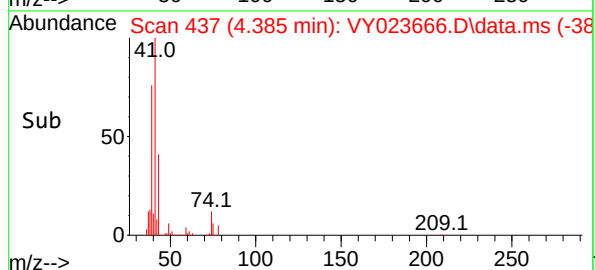
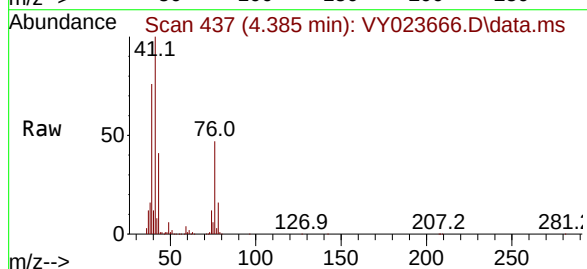
Manual Integrations
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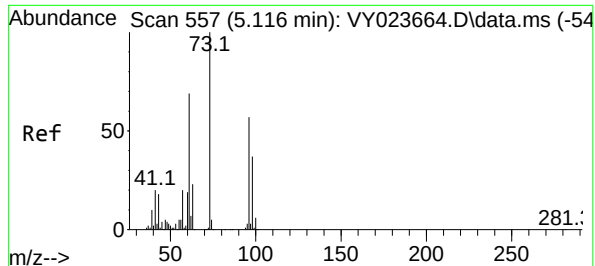
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 139.609 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

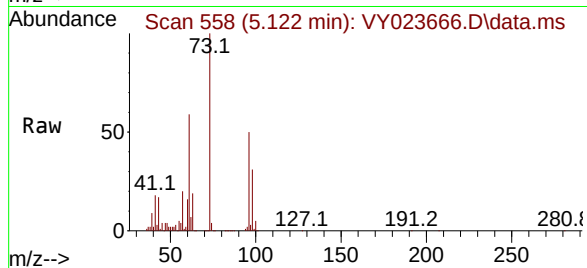
Tgt Ion: 43 Resp: 405494
Ion Ratio Lower Upper
43 100
74 29.2 22.5 33.7





#19
Methyl tert-butyl Ether
Concen: 157.970 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

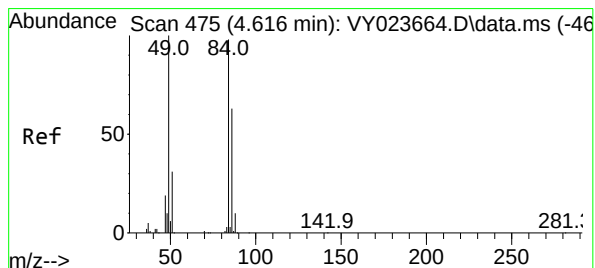
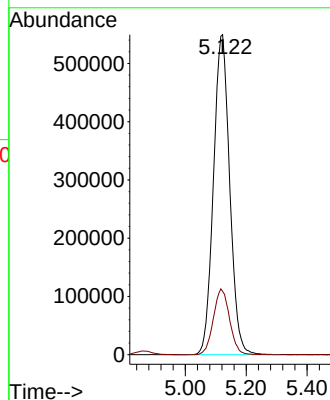
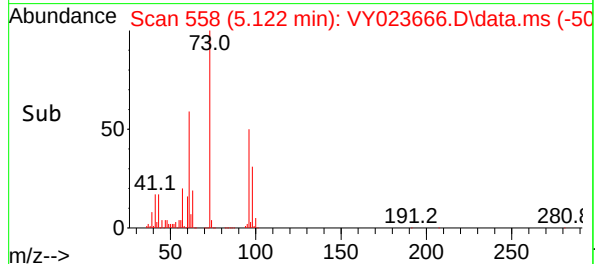
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



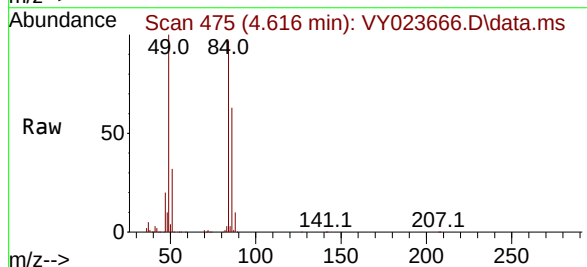
Tgt Ion: 73 Resp: 203252
Ion Ratio Lower Upper
73 100
57 19.8 16.1 24.1

Manual Integrations
APPROVED

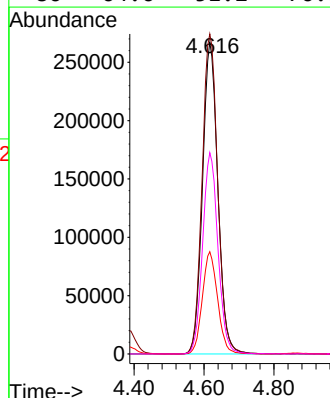
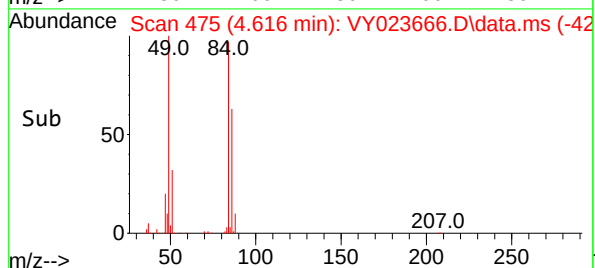
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

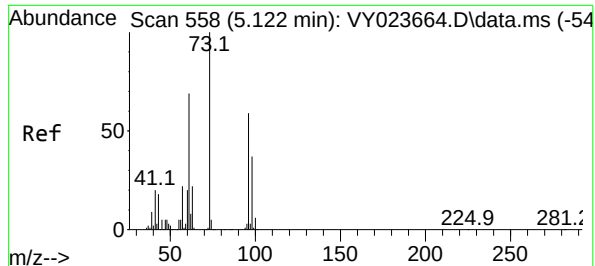


#20
Methylene Chloride
Concen: 127.899 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion: 84 Resp: 813039
Ion Ratio Lower Upper
84 100
49 102.6 81.5 122.3
51 32.8 25.5 38.3
86 64.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 142.587 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 892080

Ion Ratio Lower Upper

96 100

61 123.6 93.3 139.9

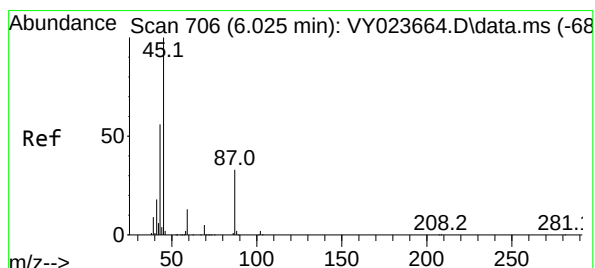
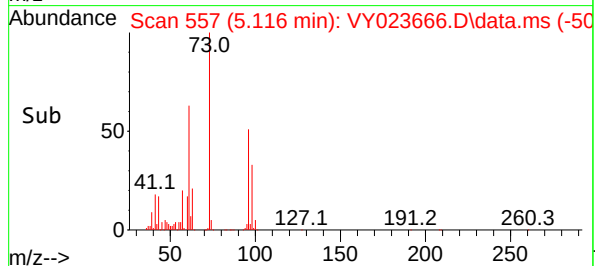
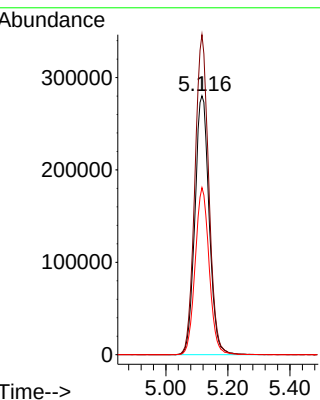
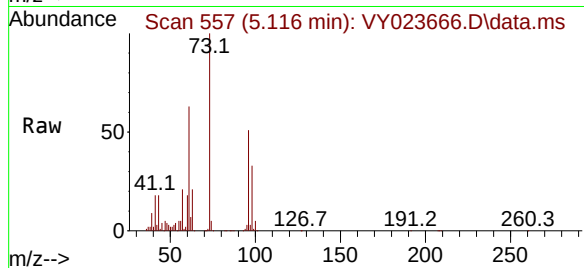
98 64.5 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 150.464 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Tgt Ion: 45 Resp: 2264384

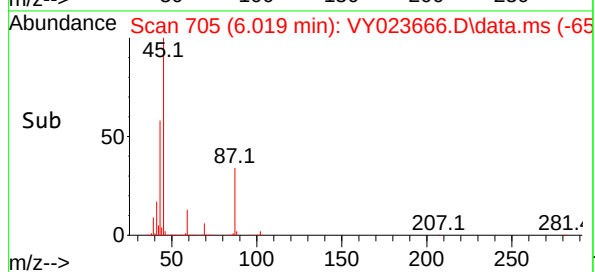
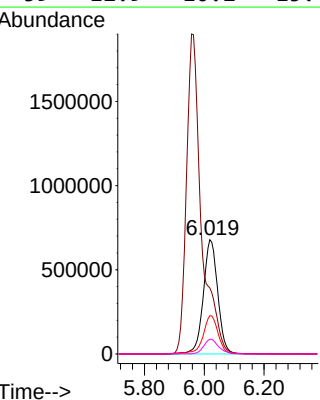
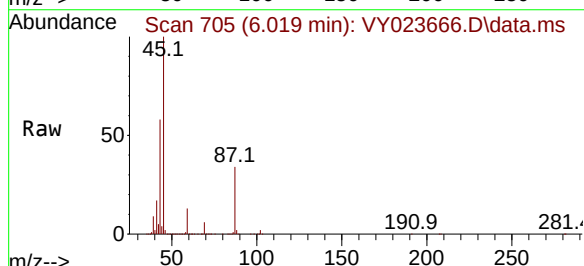
Ion Ratio Lower Upper

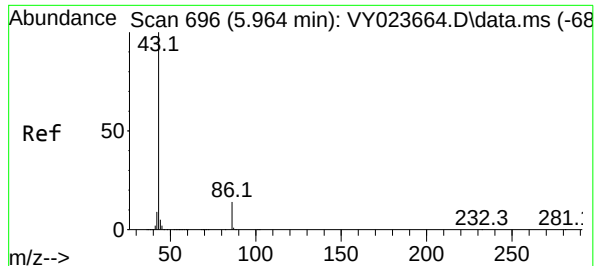
45 100

43 57.9 44.7 67.1

87 33.5 27.2 40.8

59 12.9 10.2 15.4





#23

Vinyl Acetate

Concen: 818.950 ug/l

RT: 5.958 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 657696

Ion Ratio Lower Upper

43

100

86

13.2

10.9

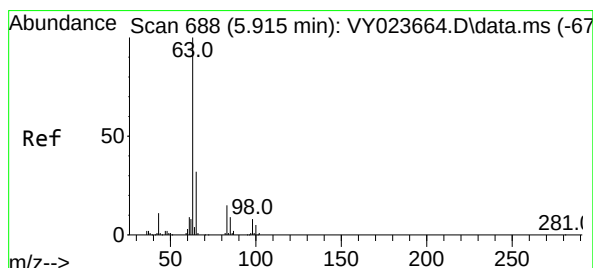
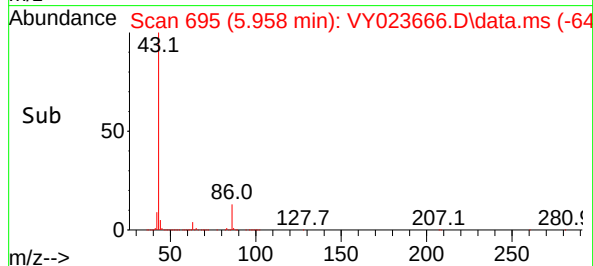
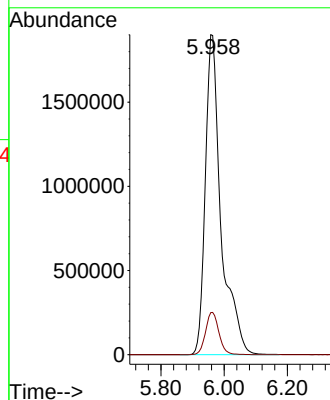
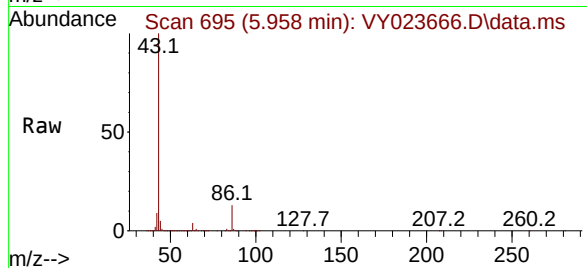
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 141.217 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Tgt Ion: 63 Resp: 1415798

Ion Ratio Lower Upper

63

100

98

8.1

4.0

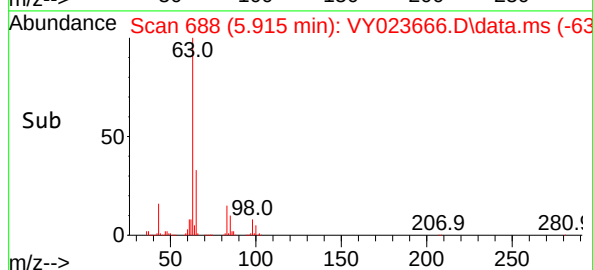
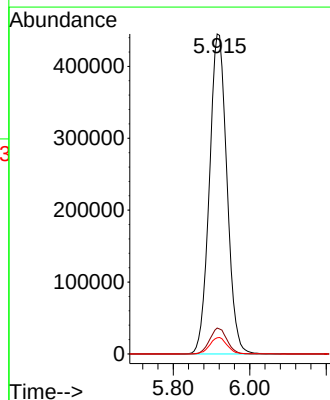
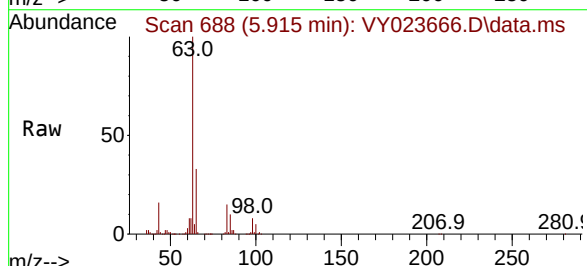
11.9

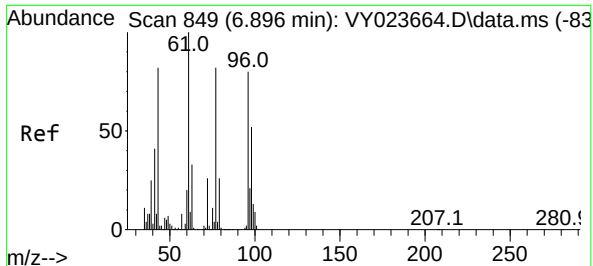
100

5.0

2.6

7.8





#25

2-Butanone

Concen: 775.579 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 118080

Ion Ratio Lower Upper

43 100

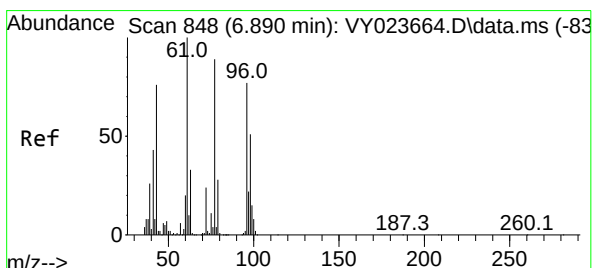
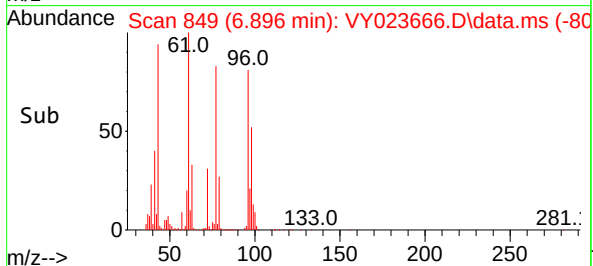
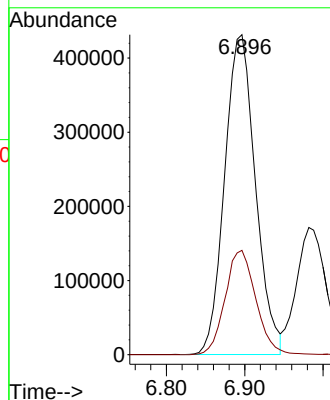
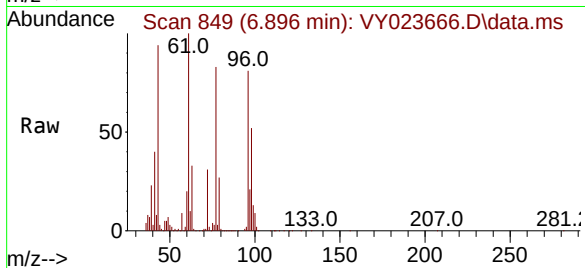
72 32.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 143.128 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023666.D

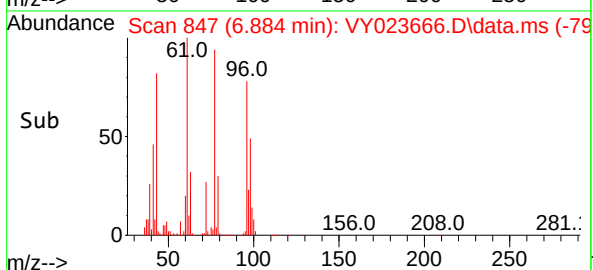
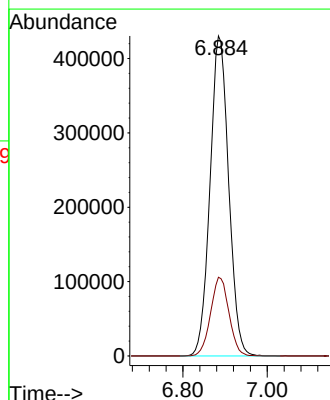
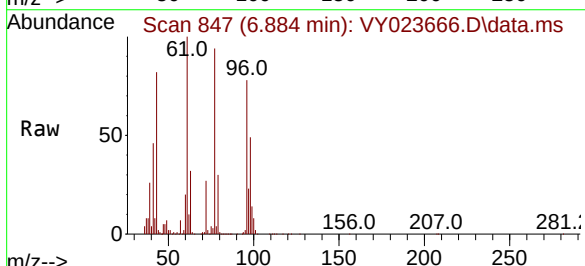
Acq: 04 Nov 2025 11:27

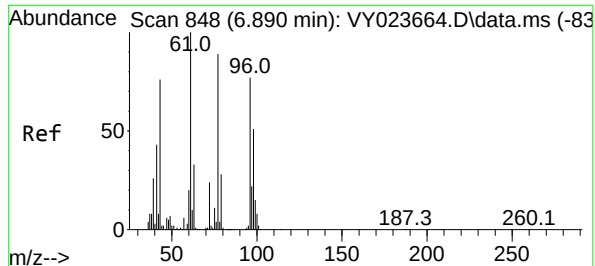
Tgt Ion: 77 Resp: 1319960

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 147.141 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1051370

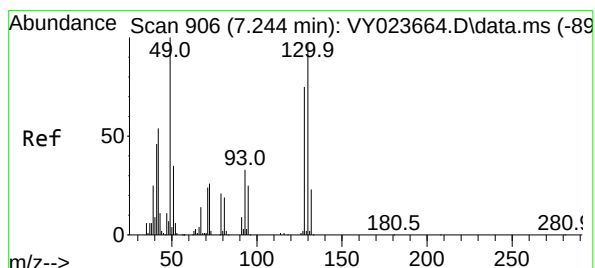
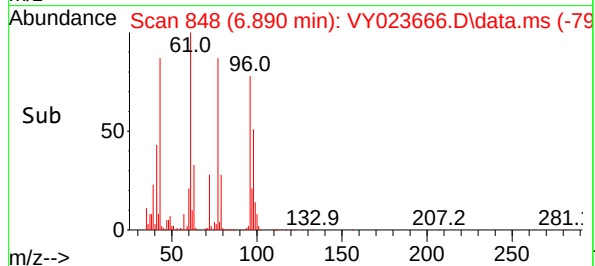
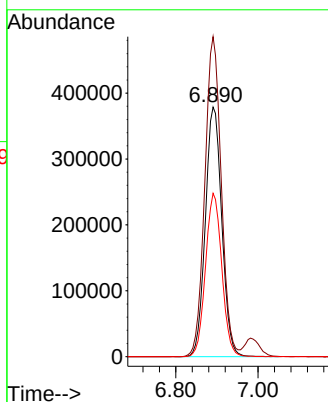
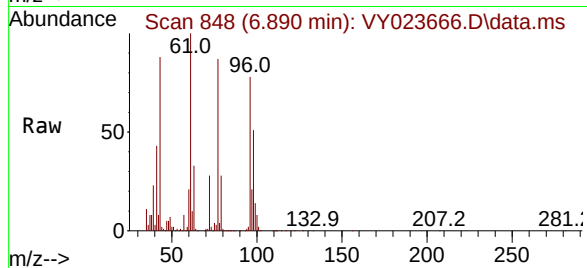
Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	255.0
98	64.8	0.0	129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 135.216 ug/l

RT: 7.244 min Scan# 906

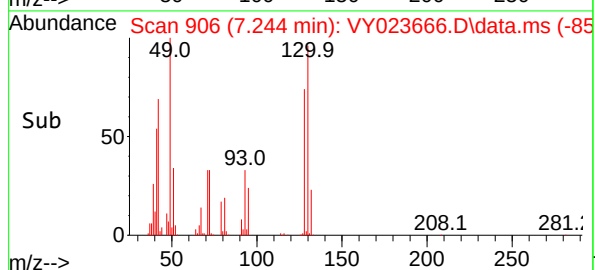
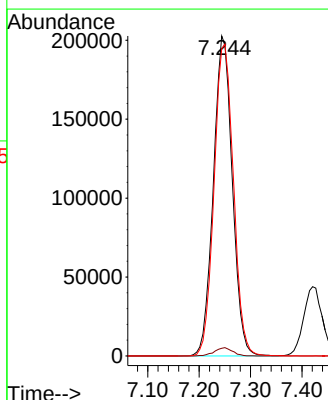
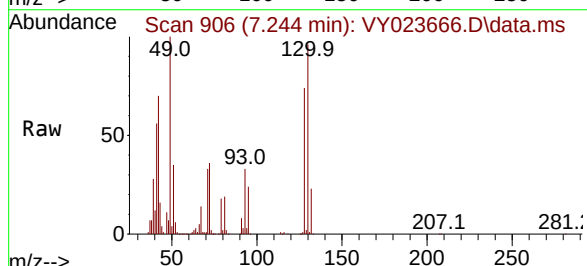
Delta R.T. 0.000 min

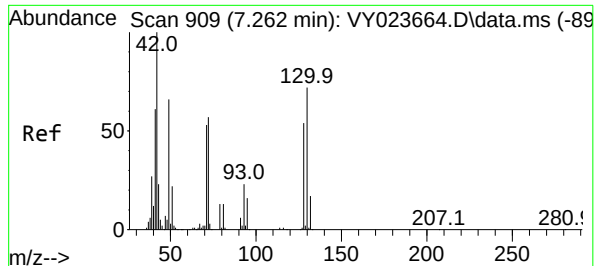
Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Tgt Ion: 49 Resp: 519064

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	99.6	80.1	120.1





#29

Tetrahydrofuran

Concen: 808.815 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 655809

Ion Ratio Lower Upper

42 100

72 53.9 43.4 65.2

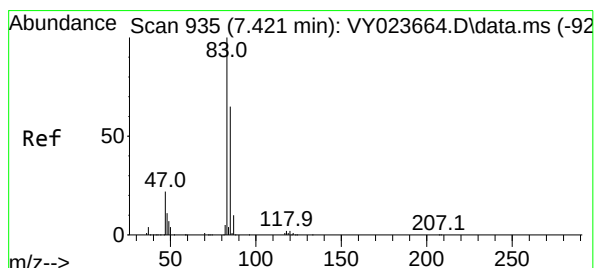
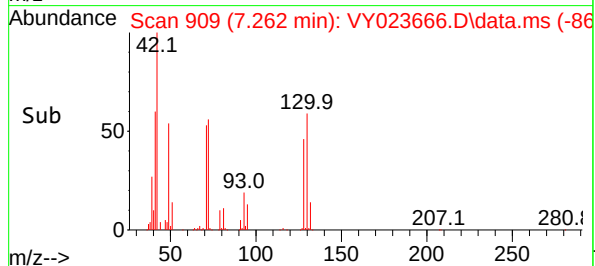
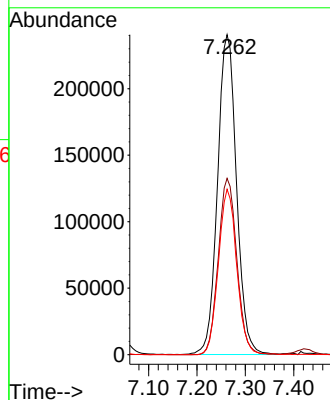
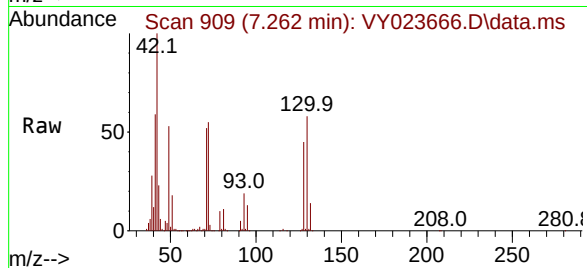
71 50.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 138.663 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023666.D

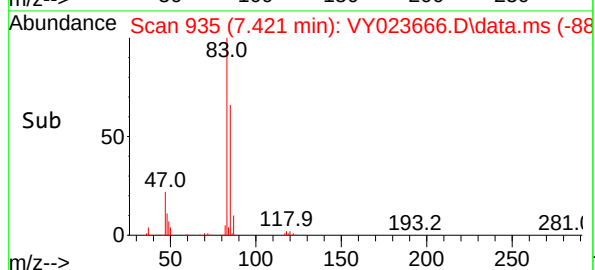
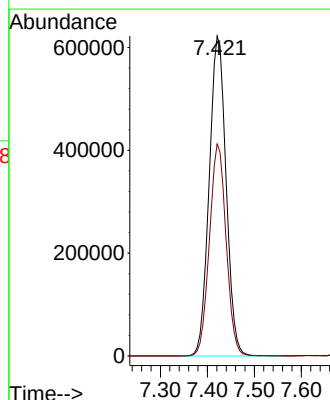
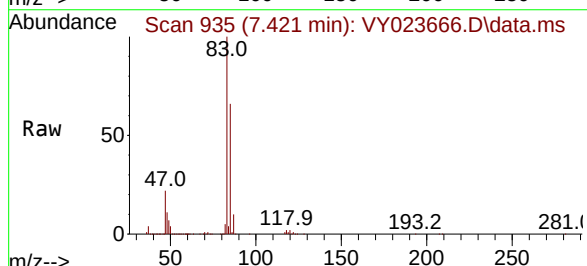
Acq: 04 Nov 2025 11:27

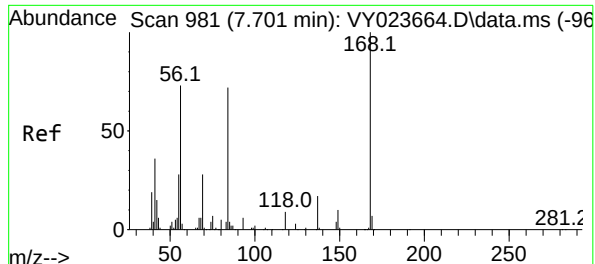
Tgt Ion: 83 Resp: 1551090

Ion Ratio Lower Upper

83 100

85 66.3 52.1 78.1





#31

Cyclohexane

Concen: 140.926 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 123043

Ion Ratio Lower Upper

56 100

69 34.8 30.5 45.7

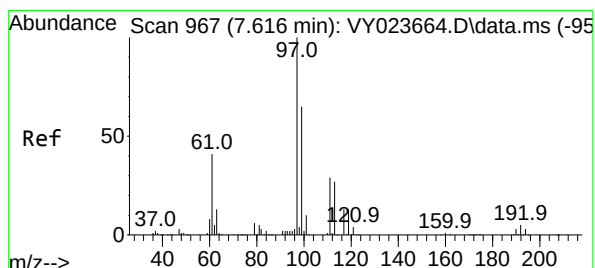
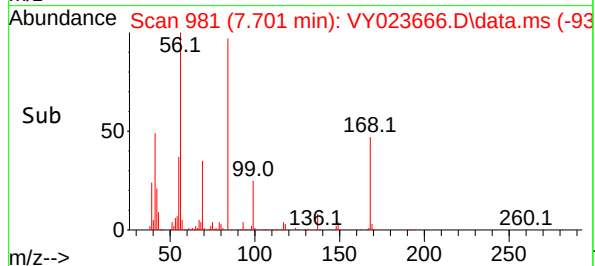
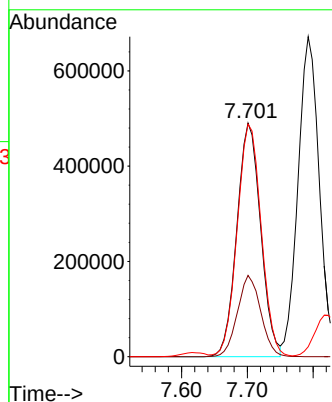
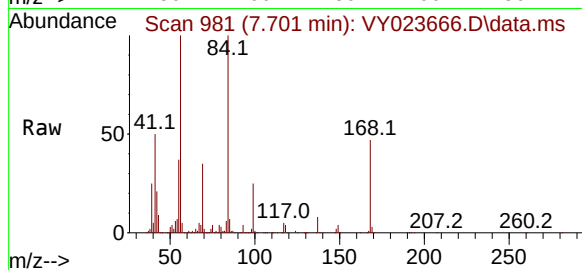
84 98.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 140.327 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

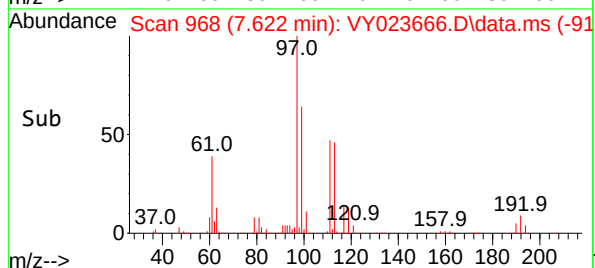
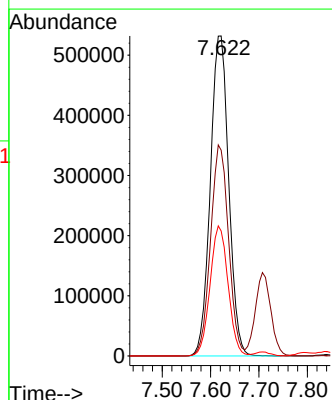
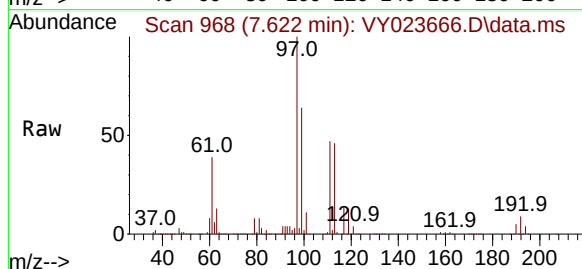
Tgt Ion: 97 Resp: 1402944

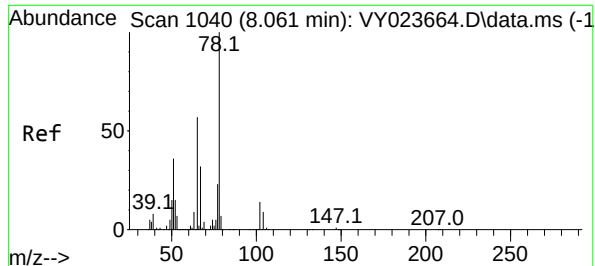
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 39.9 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 143.025 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 757684

Ion Ratio Lower Upper

65 100

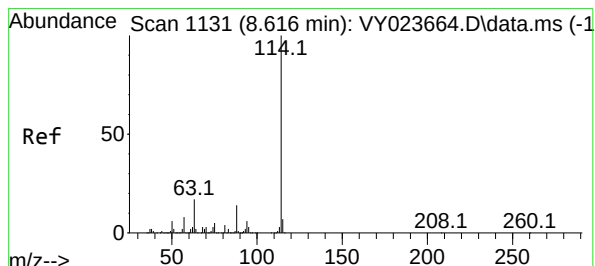
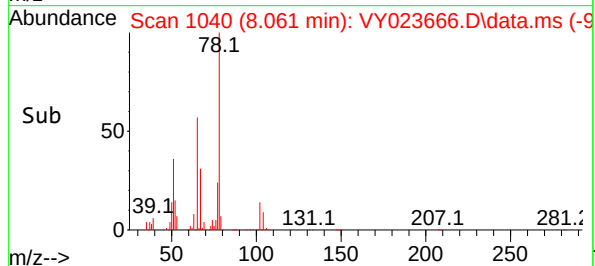
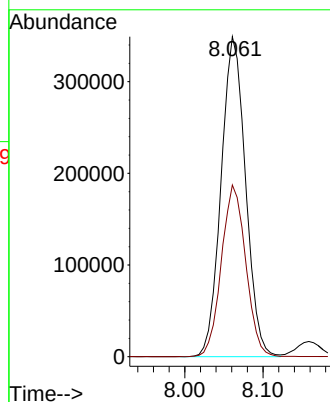
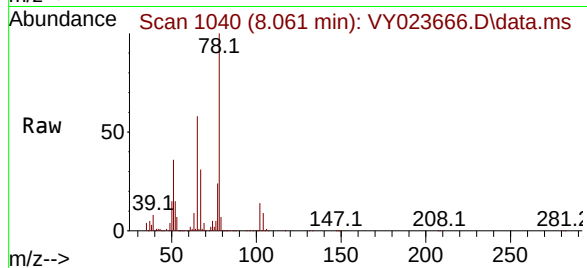
67 53.5 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

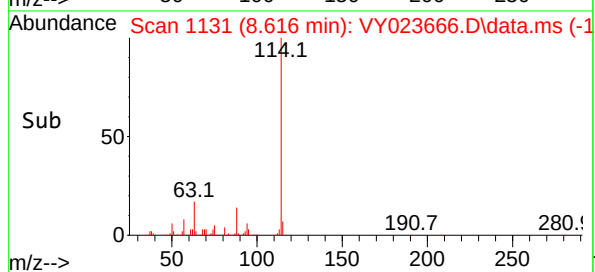
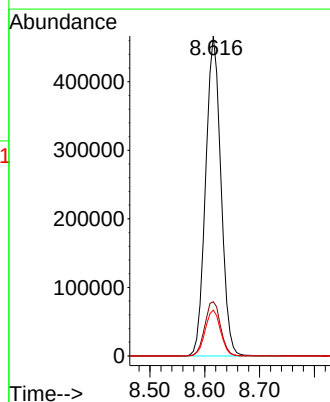
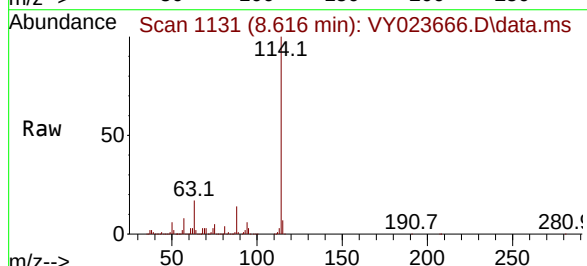
Tgt Ion:114 Resp: 901916

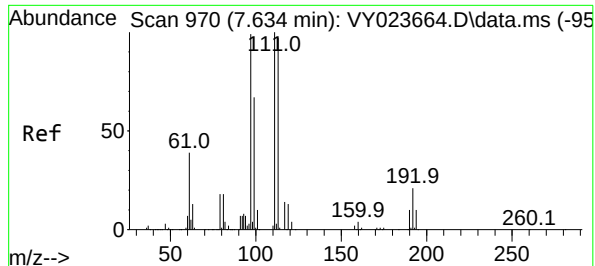
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 147.706 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 83252

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

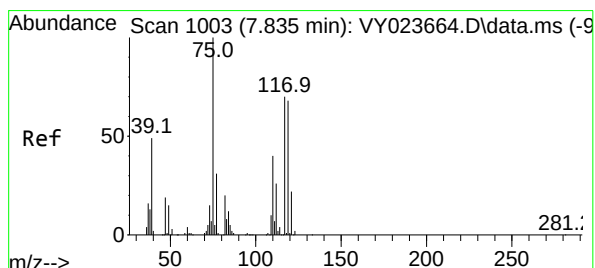
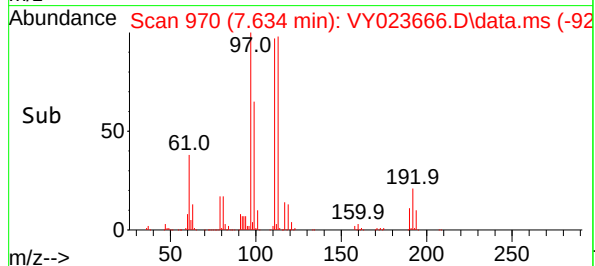
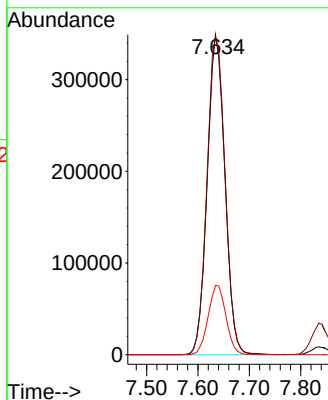
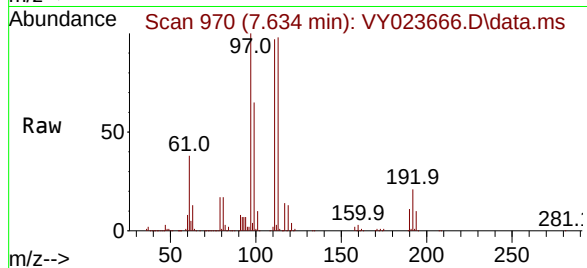
192 21.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 145.645 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

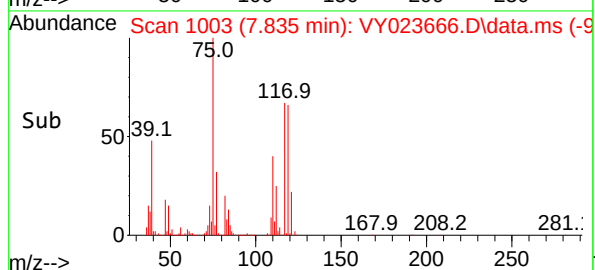
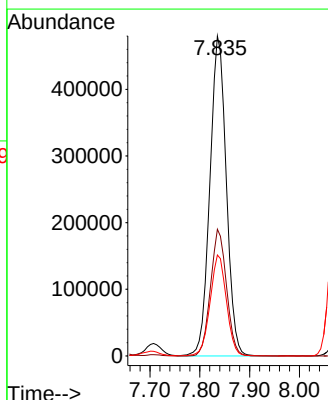
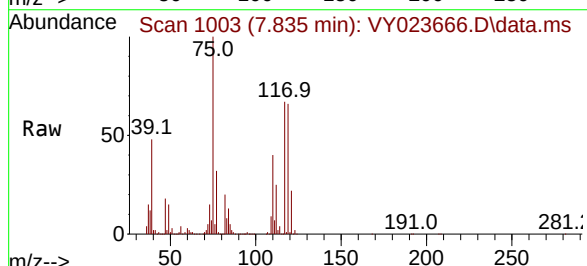
Tgt Ion: 75 Resp: 1096950

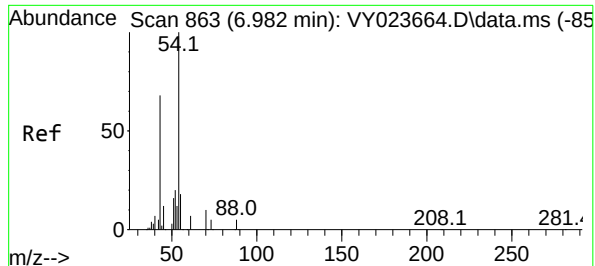
Ion Ratio Lower Upper

75 100

110 38.6 19.7 59.0

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 159.651 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 465489

Ion Ratio Lower Upper

43 100

61 15.0 12.4 18.6

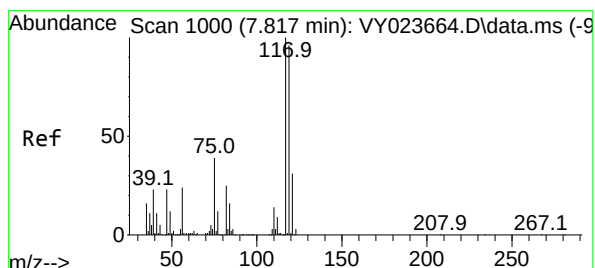
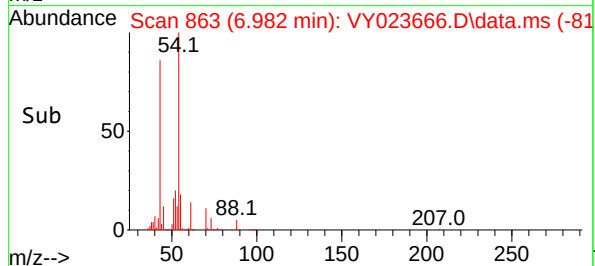
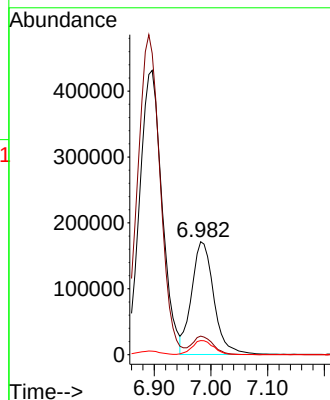
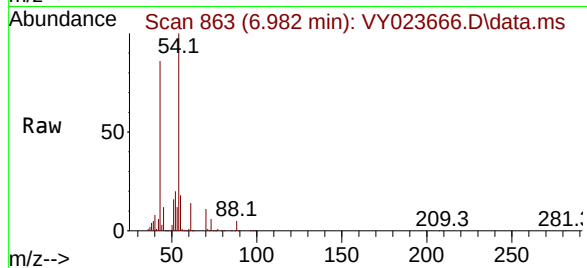
70 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 144.193 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

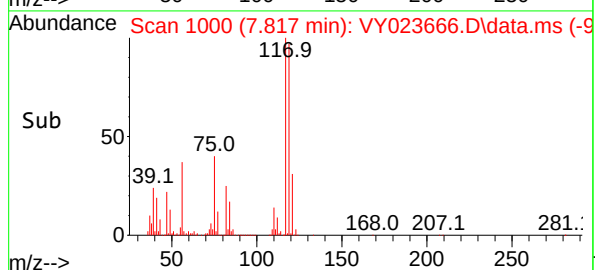
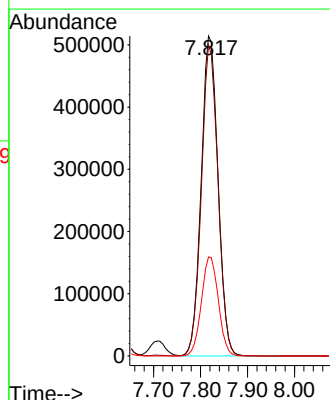
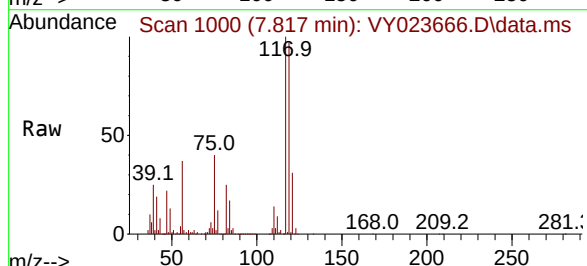
Tgt Ion:117 Resp: 1279569

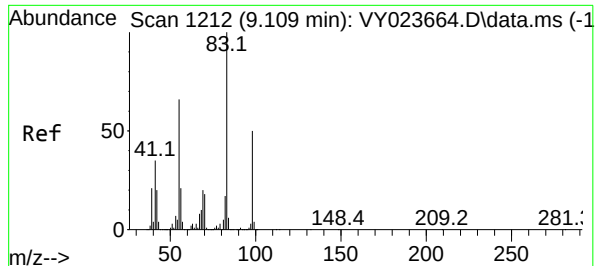
Ion Ratio Lower Upper

117 100

119 97.2 76.3 114.5

121 31.0 24.8 37.2





#39

Methylcyclohexane

Concen: 158.237 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1522789

Ion Ratio Lower Upper

83 100

55 65.3 52.6 78.8

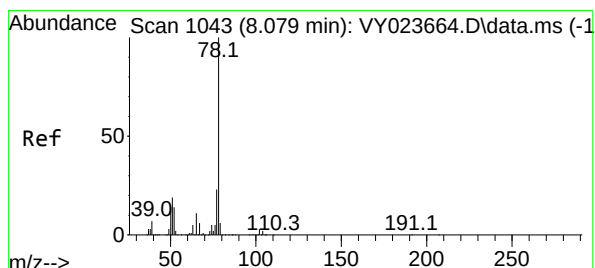
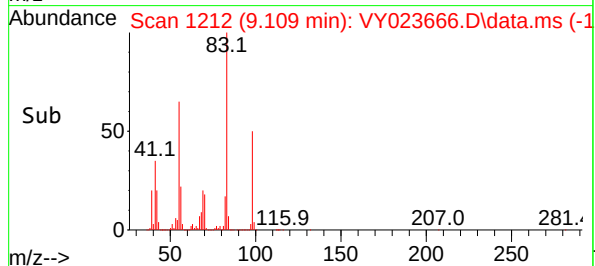
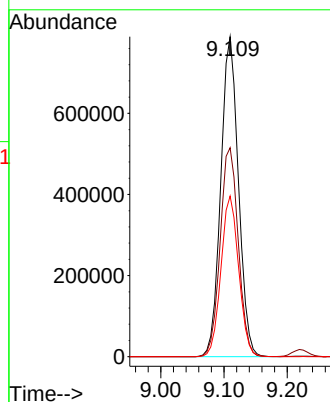
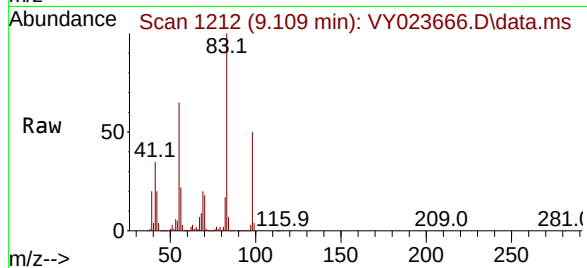
98 50.2 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 144.208 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023666.D

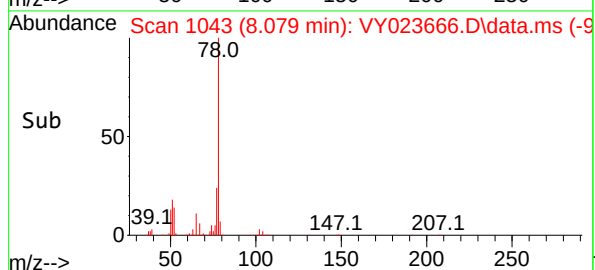
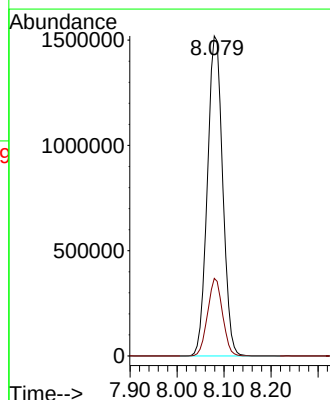
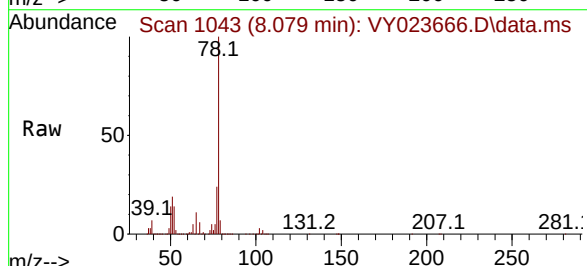
Acq: 04 Nov 2025 11:27

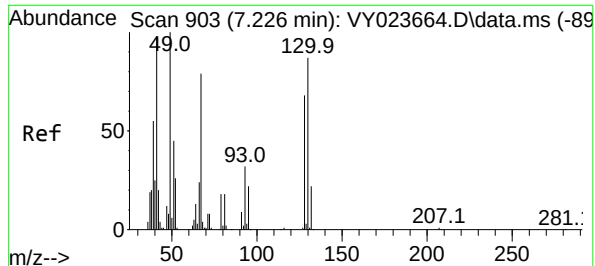
Tgt Ion: 78 Resp: 3423551

Ion Ratio Lower Upper

78 100

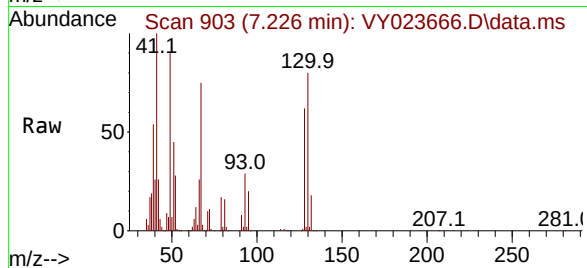
77 24.2 18.8 28.2





#41
Methacrylonitrile
Concen: 173.645 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

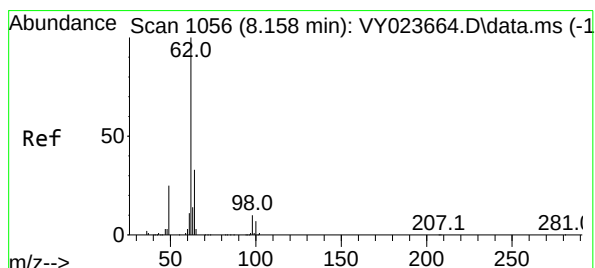
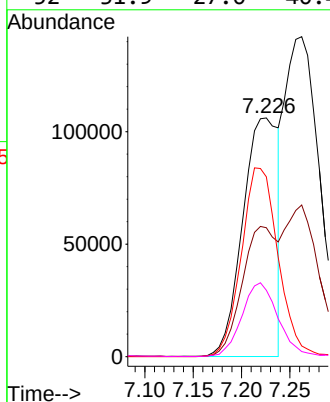
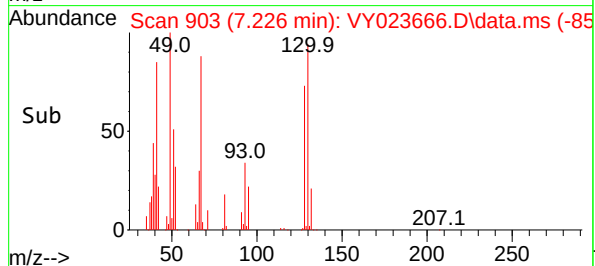
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



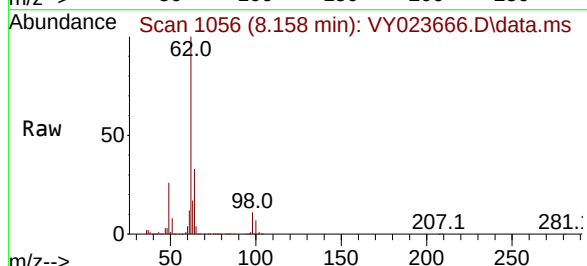
Tgt Ion: 41 Resp: 27005
Ion Ratio Lower Upper
41 100
39 53.9 38.6 57.8
67 82.8 71.3 106.9
52 31.9 27.0 40.4

Manual Integrations
APPROVED

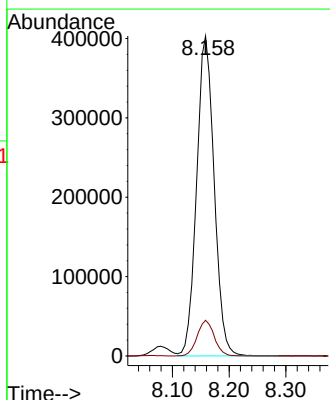
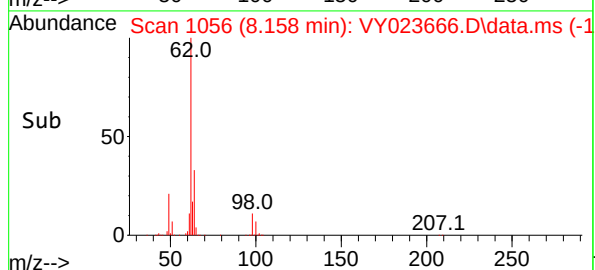
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

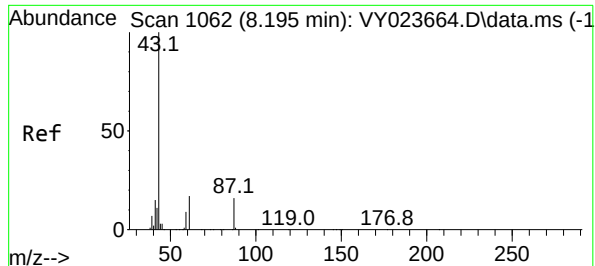


#42
1,2-Dichloroethane
Concen: 144.018 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion: 62 Resp: 864999
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 167.105 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 91544

Ion Ratio Lower Upper

43 100

61 22.9 18.2 27.2

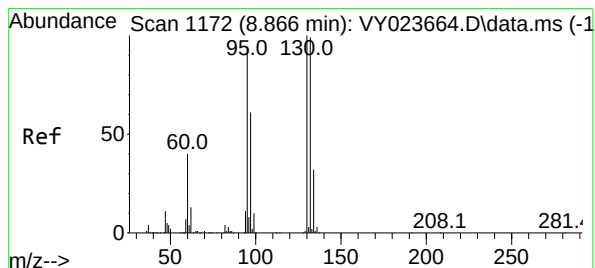
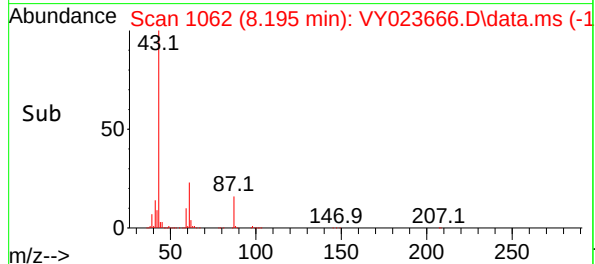
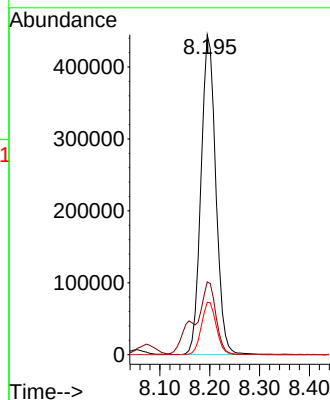
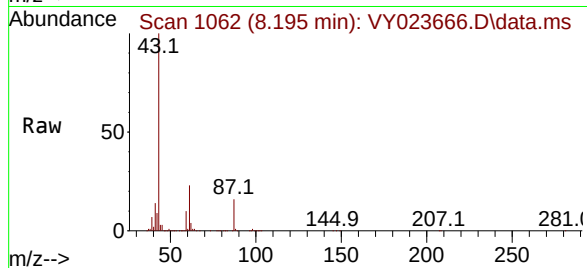
87 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 142.056 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023666.D

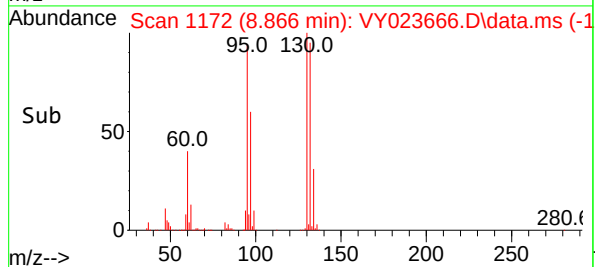
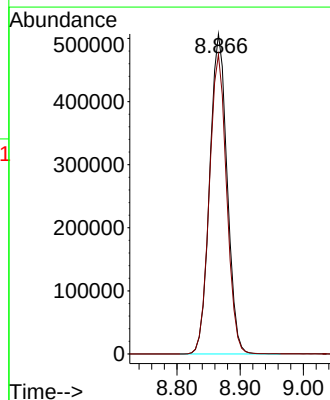
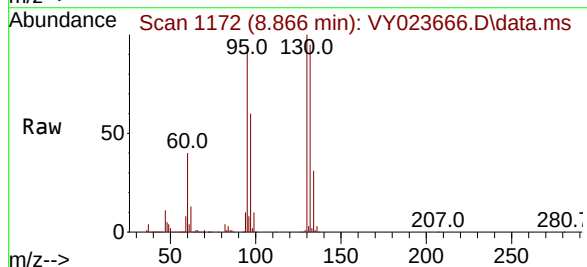
Acq: 04 Nov 2025 11:27

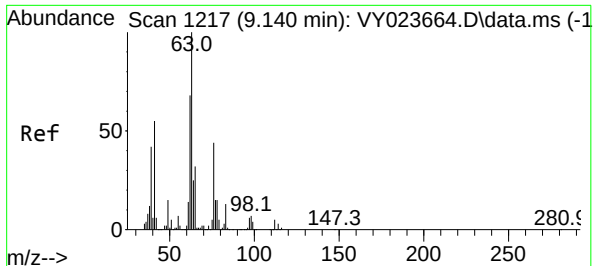
Tgt Ion:130 Resp: 968647

Ion Ratio Lower Upper

130 100

95 93.5 0.0 187.0





#45

1,2-Dichloropropane

Concen: 146.035 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 76515

Ion Ratio Lower Upper

63 100

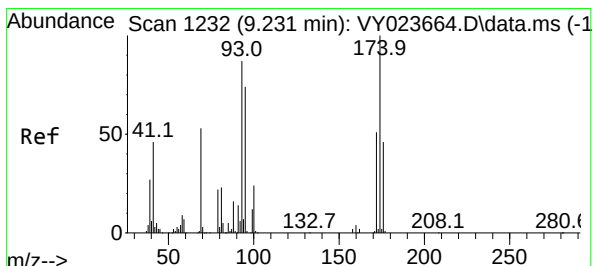
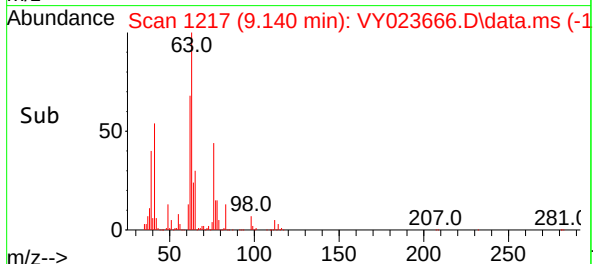
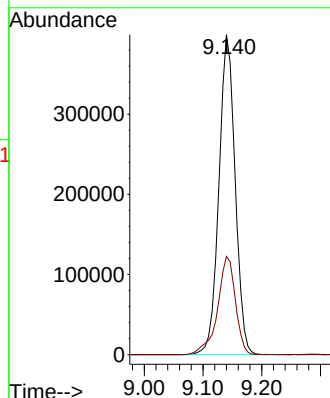
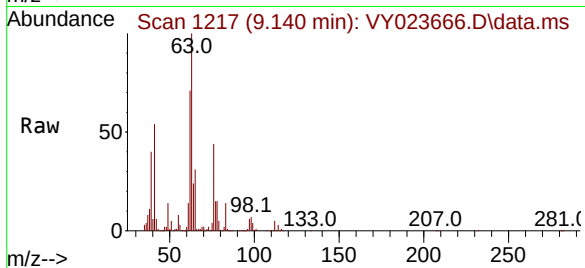
65 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 147.004 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

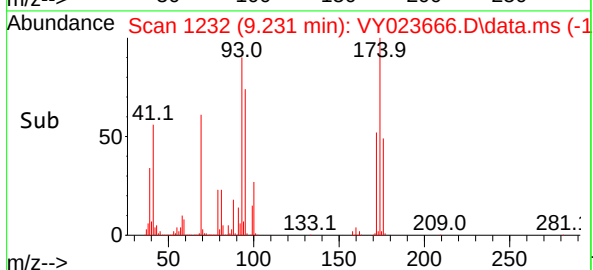
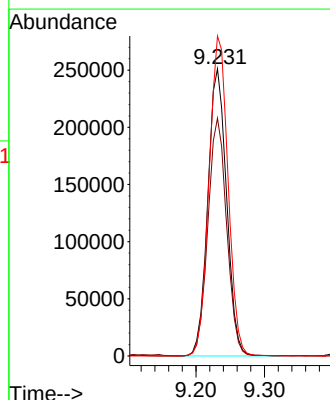
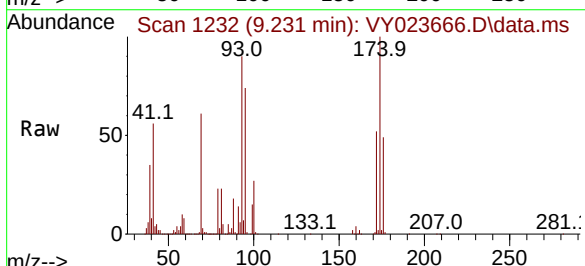
Tgt Ion: 93 Resp: 477241

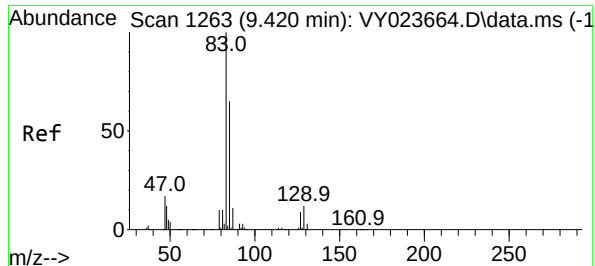
Ion Ratio Lower Upper

93 100

95 82.9 67.4 101.2

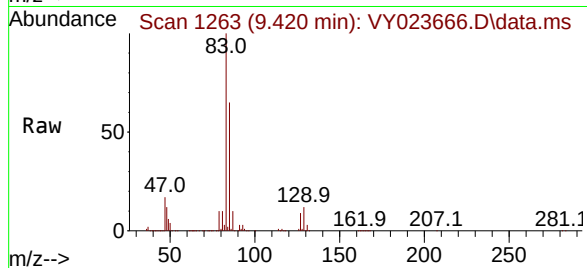
174 112.8 89.4 134.0





#47
Bromodichloromethane
Concen: 145.820 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

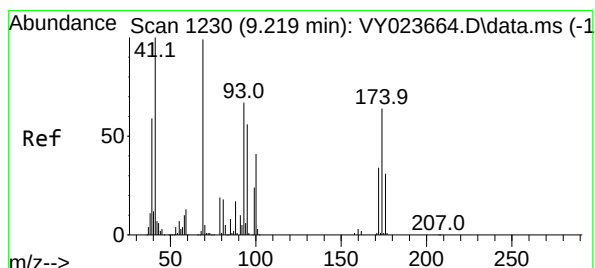
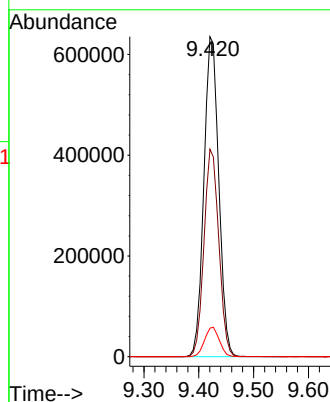
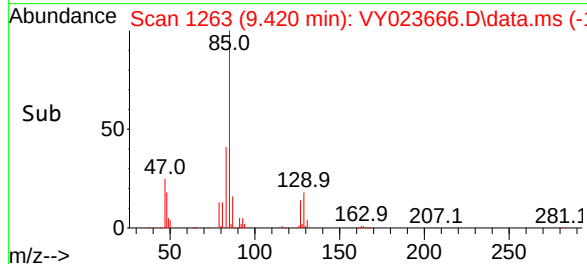
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 1193540
Ion Ratio Lower Upper
83 100
85 64.8 52.1 78.1
127 8.9 7.5 11.3

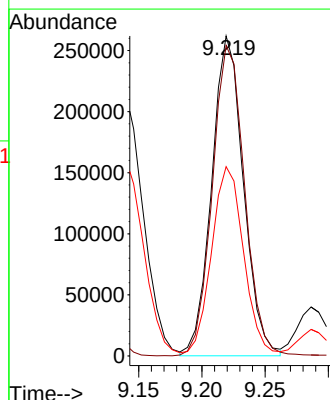
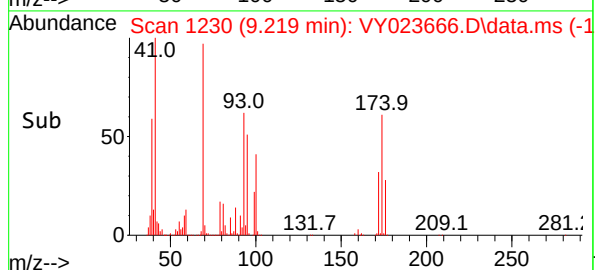
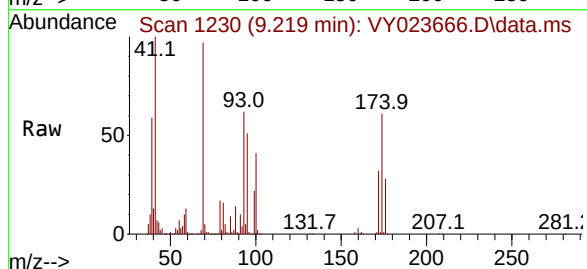
Manual Integrations
APPROVED

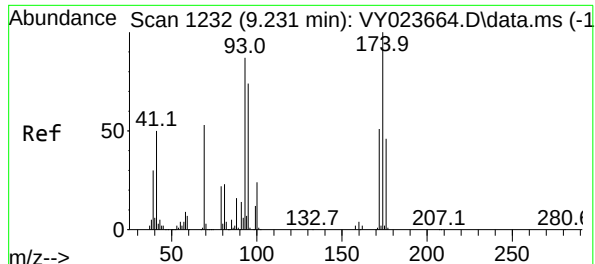
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#48
Methyl methacrylate
Concen: 176.551 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 41 Resp: 456960
Ion Ratio Lower Upper
41 100
69 98.8 80.2 120.2
39 58.1 47.4 71.0





#49

1,4-Dioxane

Concen: 3311.077 ug/l

RT: 9.225 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 110000

Ion Ratio Lower Upper

88 100

43 29.1 22.0 33.0

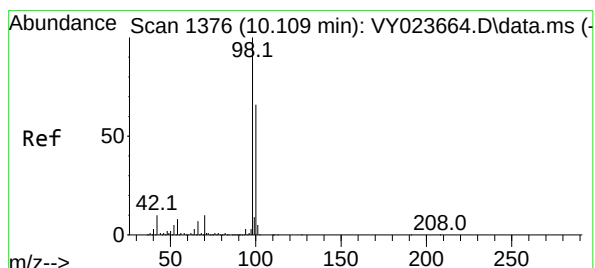
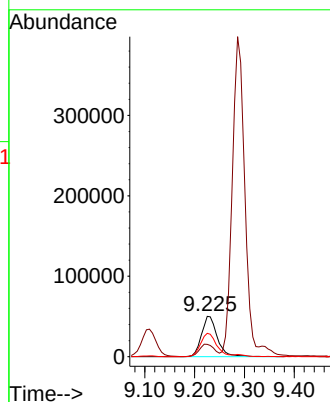
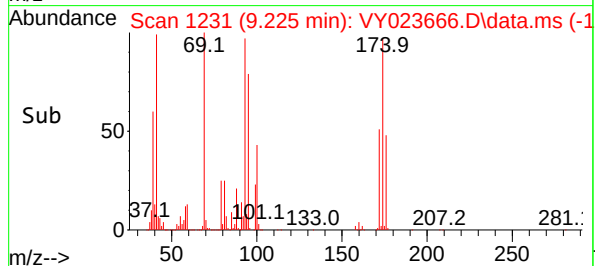
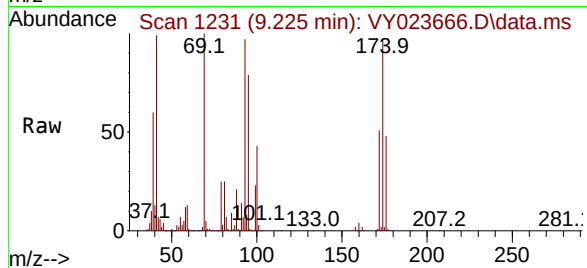
58 58.8 47.8 71.8

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 149.364 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023666.D

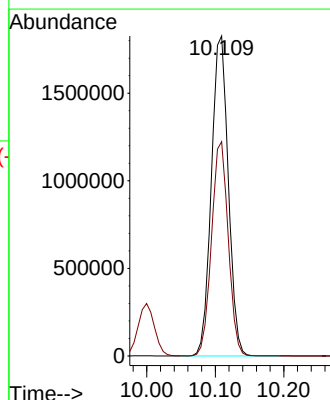
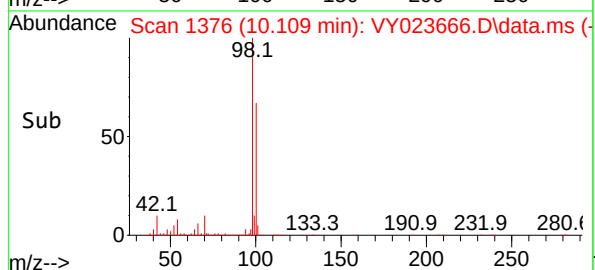
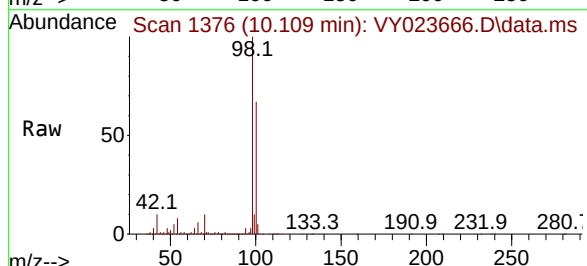
Acq: 04 Nov 2025 11:27

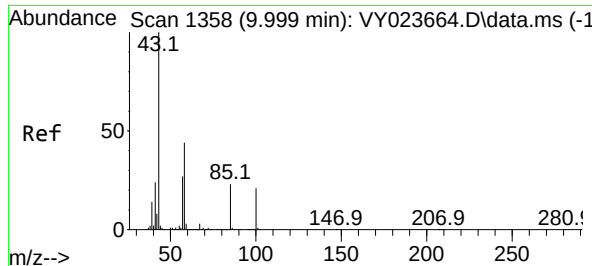
Tgt Ion: 98 Resp: 3136015

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 836.491 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2437010

Ion Ratio Lower Upper

43 100

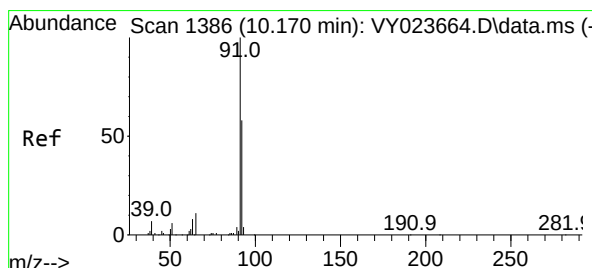
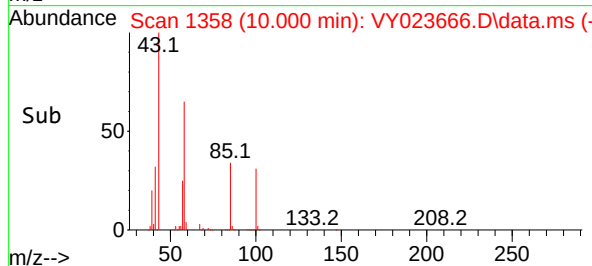
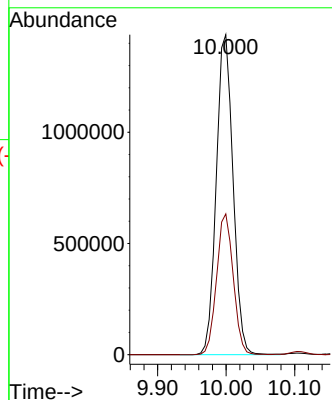
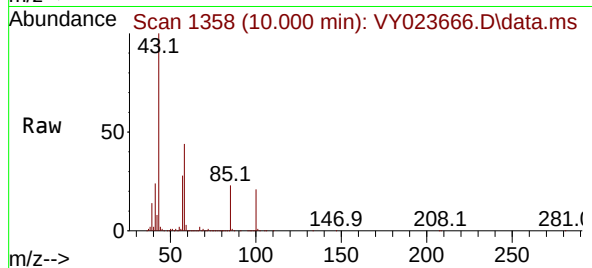
58 43.8 34.8 52.2

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#52

Toluene

Concen: 150.304 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023666.D

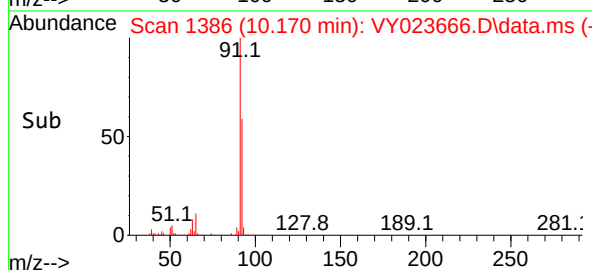
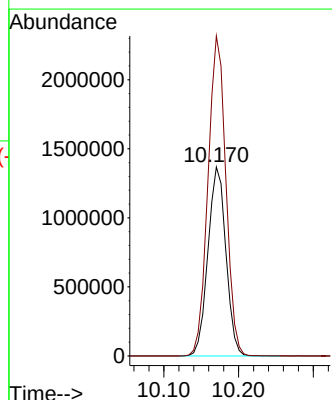
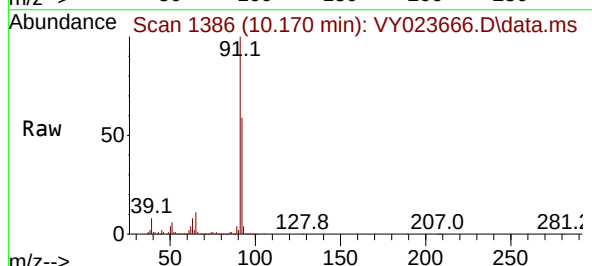
Acq: 04 Nov 2025 11:27

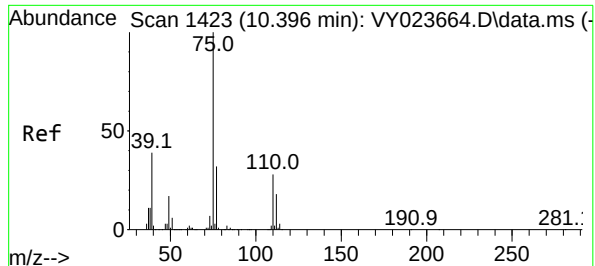
Tgt Ion: 92 Resp: 2278105

Ion Ratio Lower Upper

92 100

91 168.7 137.8 206.8





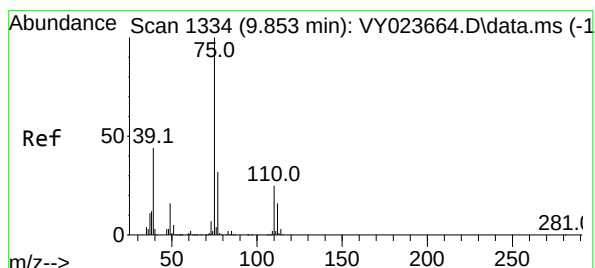
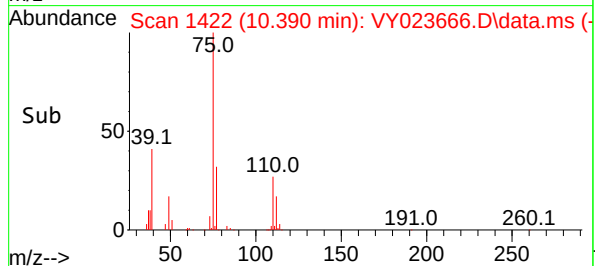
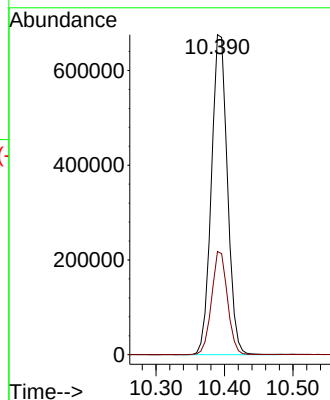
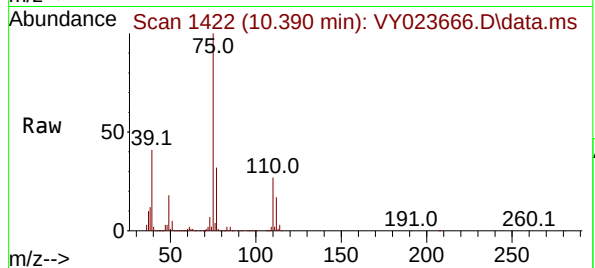
#53
t-1,3-Dichloropropene
Concen: 158.988 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 1101094
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

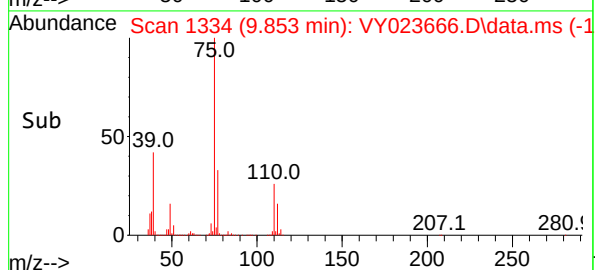
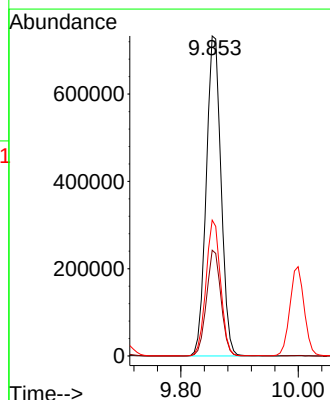
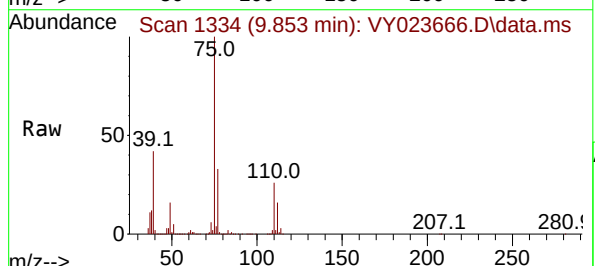
Manual Integrations
APPROVED

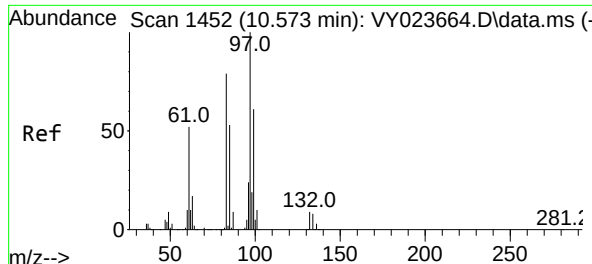
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 154.422 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 75 Resp: 1281333
Ion Ratio Lower Upper
75 100
77 33.1 25.7 38.5
39 42.4 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 146.967 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 63761

Ion Ratio Lower Upper

97 100

83 81.9 63.3 94.9

85 53.5 42.4 63.6

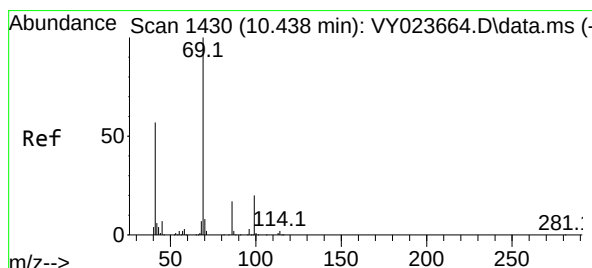
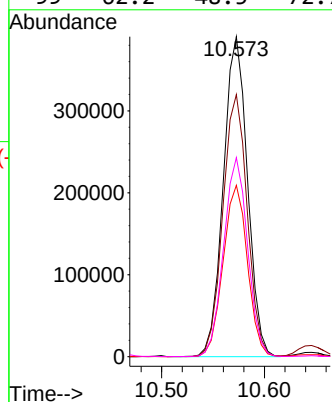
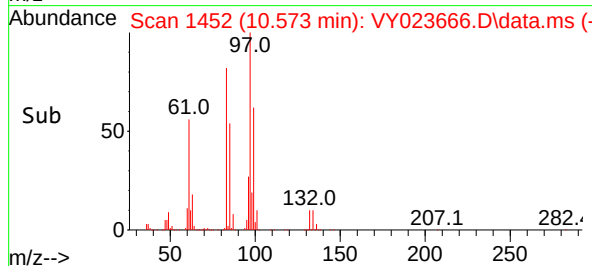
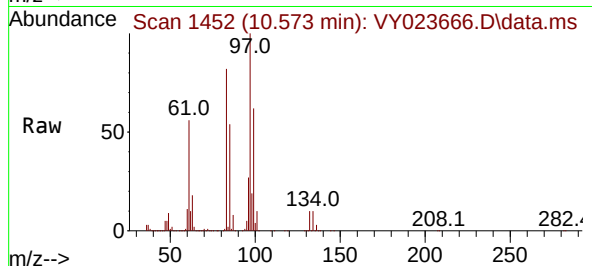
99 62.2 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#56

Ethyl methacrylate

Concen: 182.696 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

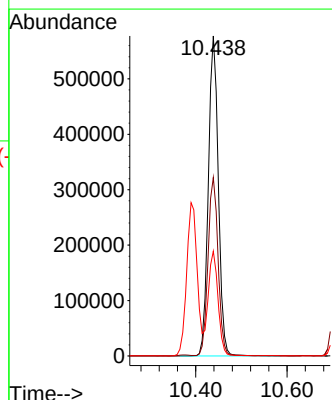
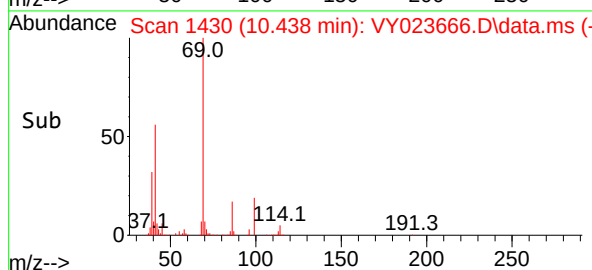
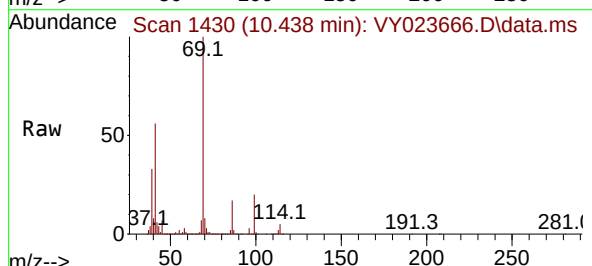
Tgt Ion: 69 Resp: 873314

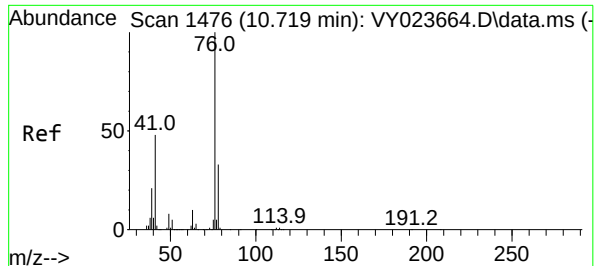
Ion Ratio Lower Upper

69 100

41 56.0 45.0 67.4

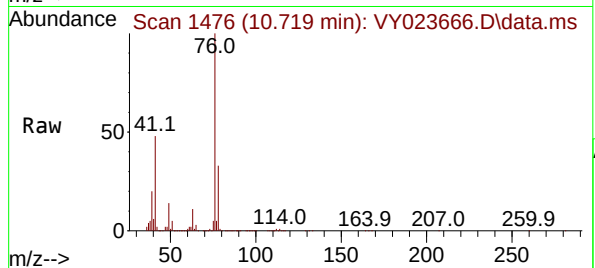
39 32.6 25.1 37.7





#57
1,3-Dichloropropane
Concen: 147.983 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

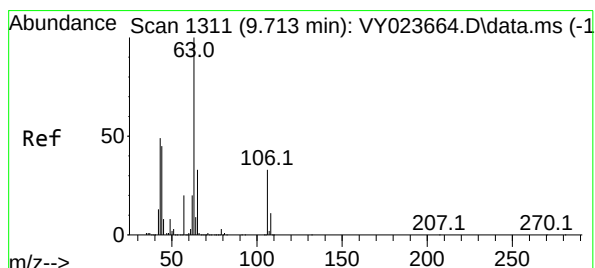
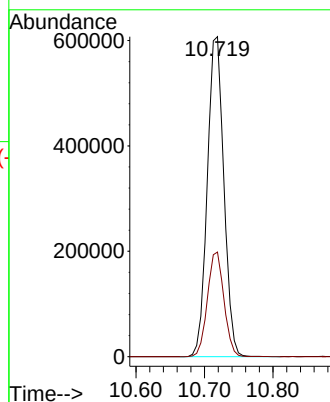
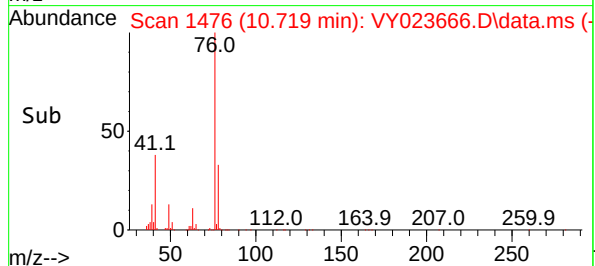
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 1018360
Ion Ratio Lower Upper
76 100
78 32.8 26.0 39.0

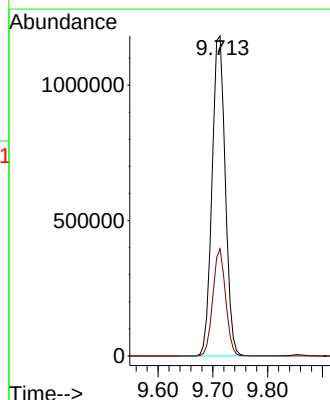
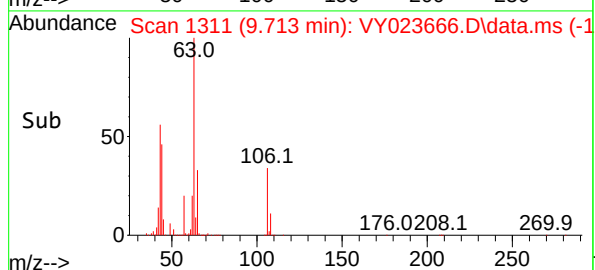
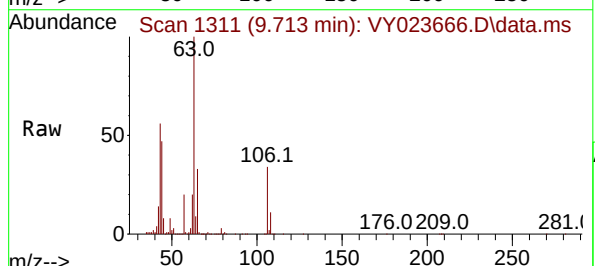
Manual Integrations
APPROVED

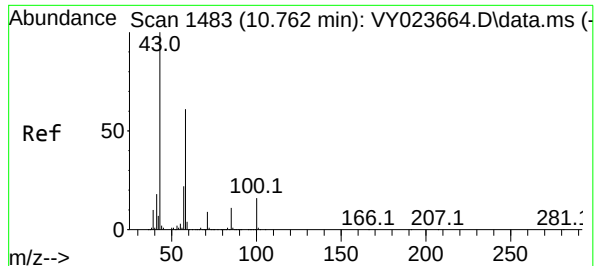
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 899.933 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

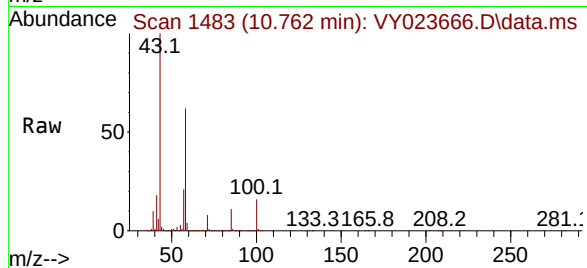
Tgt Ion: 63 Resp: 1973993
Ion Ratio Lower Upper
63 100
106 32.4 26.2 39.2





#59
2-Hexanone
Concen: 847.892 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

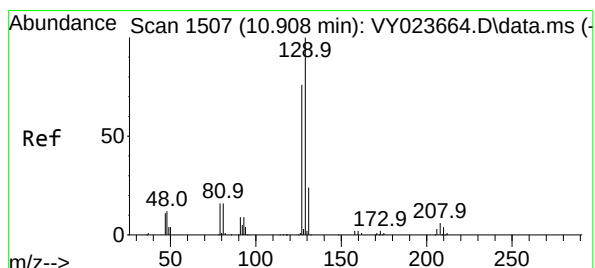
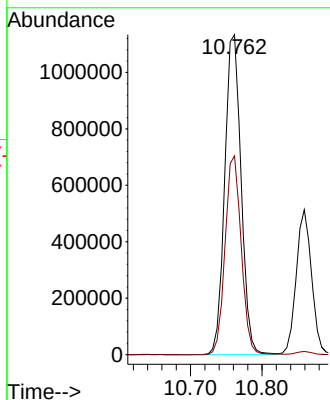
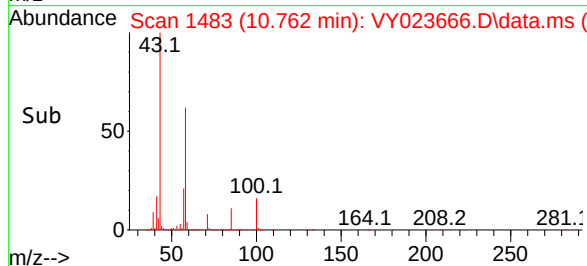
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 180220
Ion Ratio Lower Upper
43 100
58 61.2 30.2 90.6

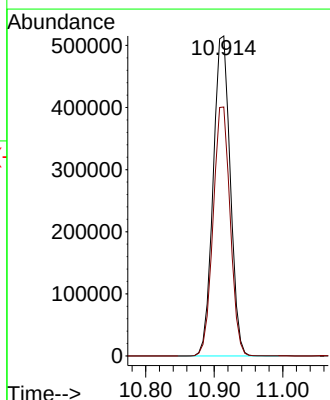
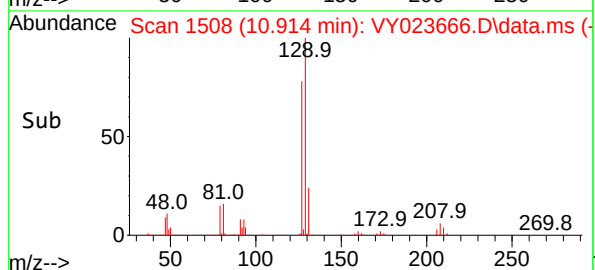
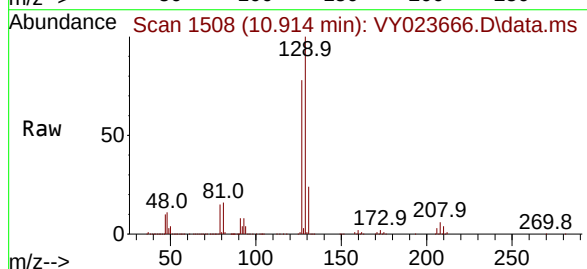
Manual Integrations
APPROVED

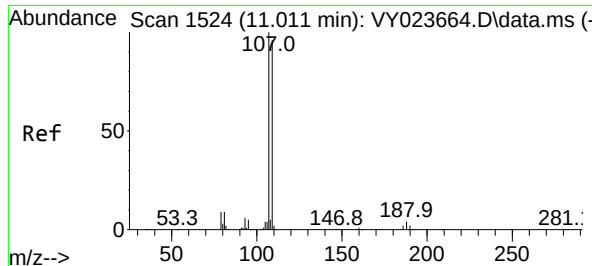
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#60
Dibromochloromethane
Concen: 149.265 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

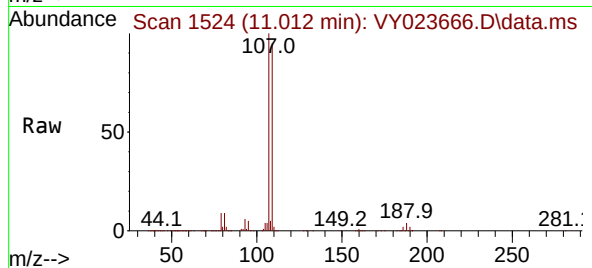
Tgt Ion:129 Resp: 889783
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





#61
1,2-Dibromoethane
Concen: 150.335 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

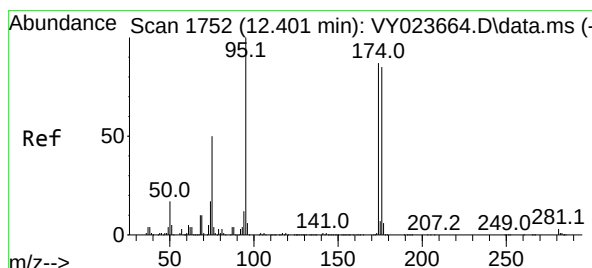
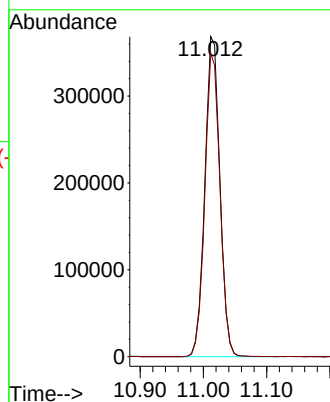
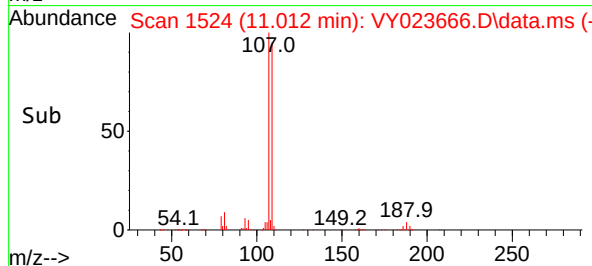
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 61210
Ion Ratio Lower Upper
107 100
109 94.9 76.2 114.4

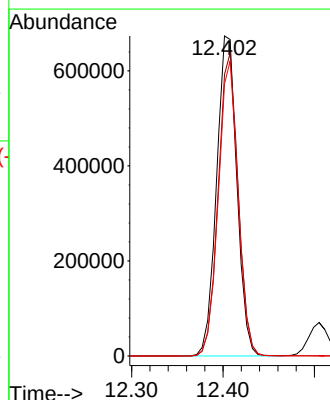
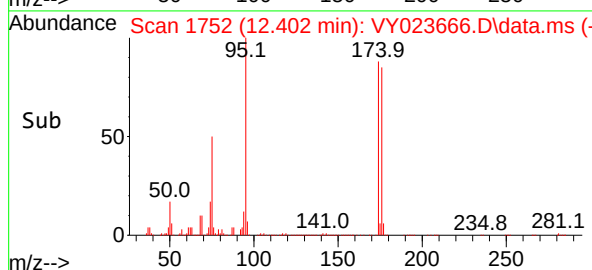
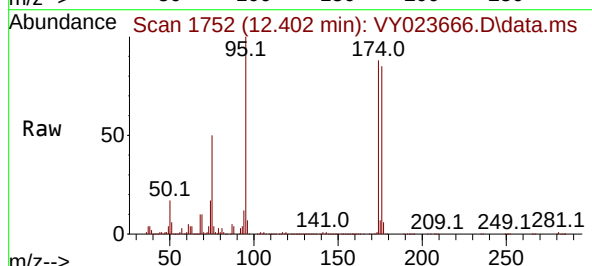
Manual Integrations
APPROVED

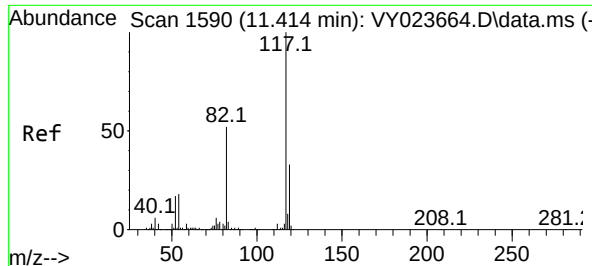
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 153.250 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

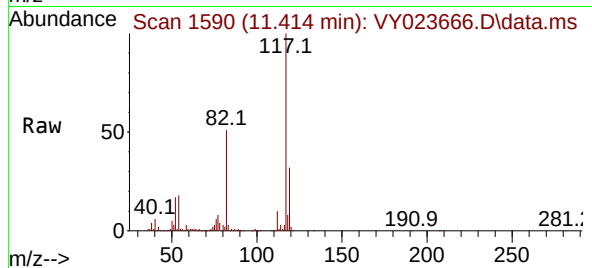
Tgt Ion: 95 Resp: 1040552
Ion Ratio Lower Upper
95 100
174 92.6 0.0 184.8
176 89.8 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

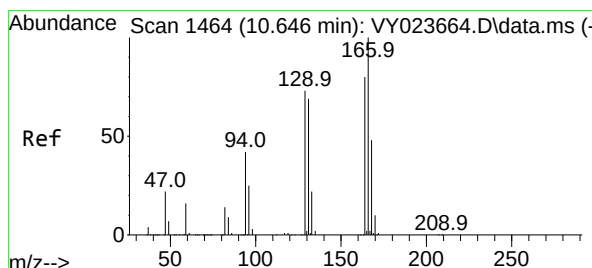
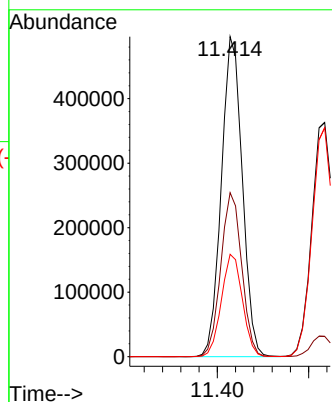
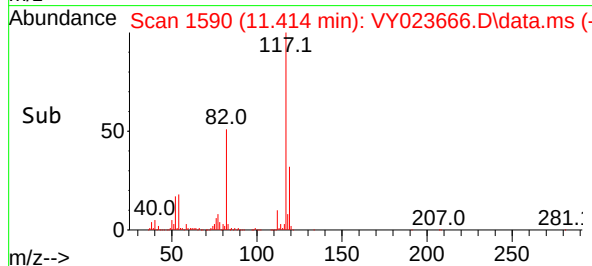
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 790988
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 32.0 26.2 39.2

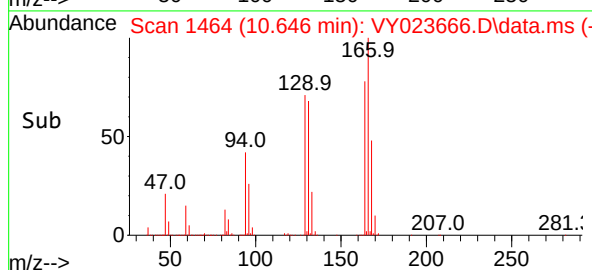
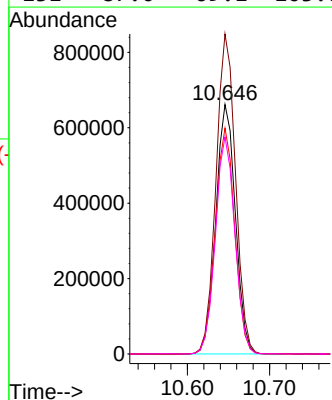
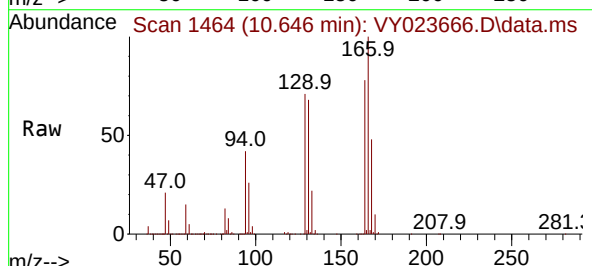
Manual Integrations
APPROVED

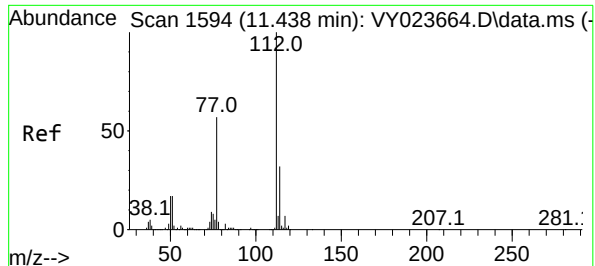
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 133.211 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

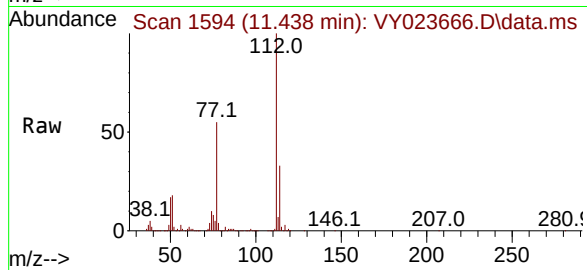
Tgt Ion:164 Resp: 1096726
Ion Ratio Lower Upper
164 100
166 128.3 99.5 149.3
129 90.5 72.3 108.5
131 87.0 69.1 103.7





#65
Chlorobenzene
Concen: 145.689 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

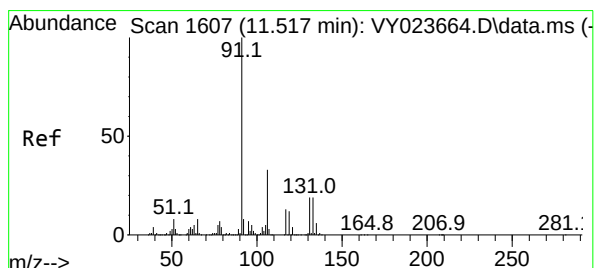
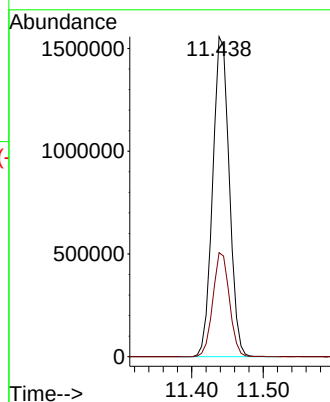
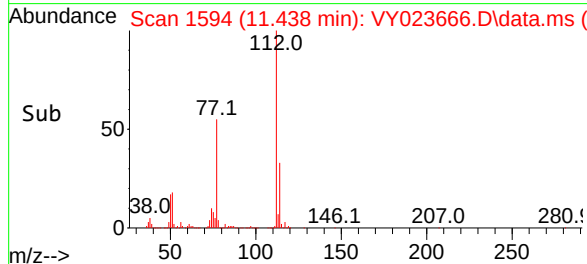
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 2508744
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

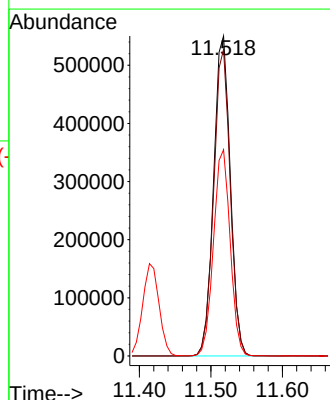
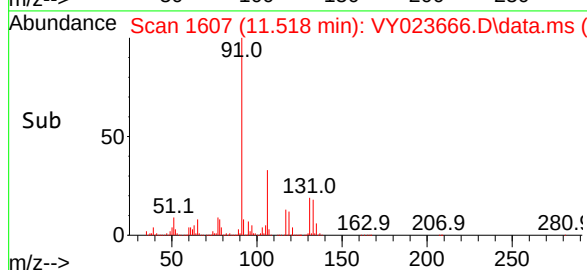
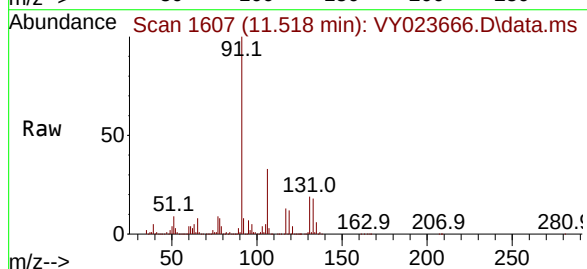
Manual Integrations
APPROVED

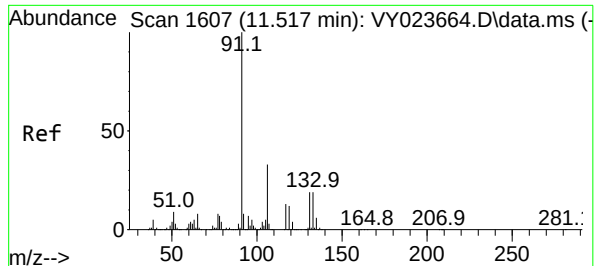
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 146.458 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:131 Resp: 891788
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 64.5 32.5 97.4





#67

Ethyl Benzene

Concen: 154.896 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 431687

Ion Ratio Lower Upper

91 100

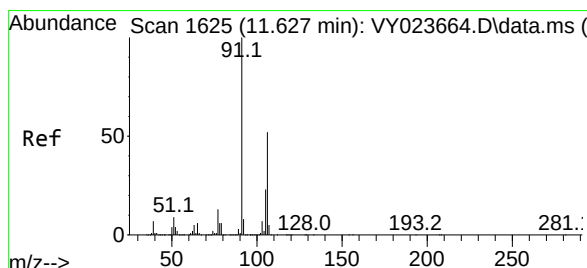
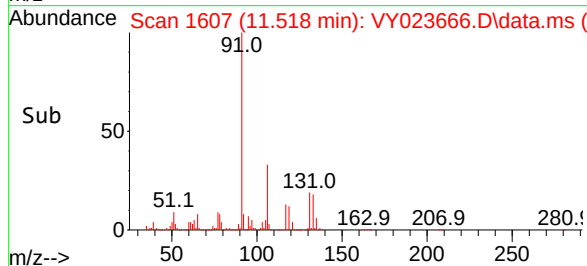
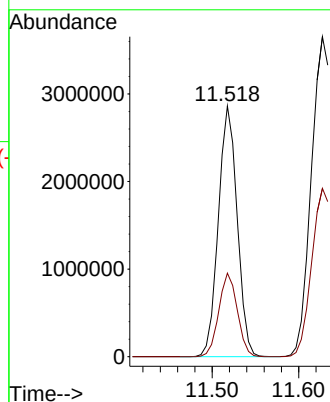
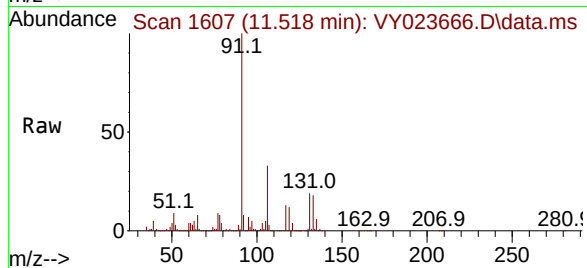
106 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 310.002 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023666.D

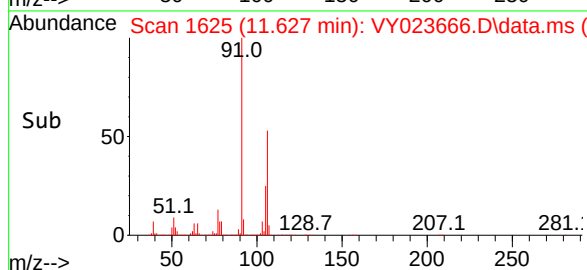
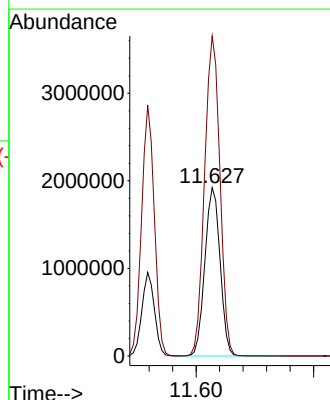
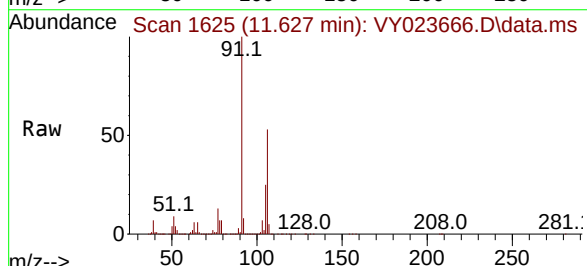
Acq: 04 Nov 2025 11:27

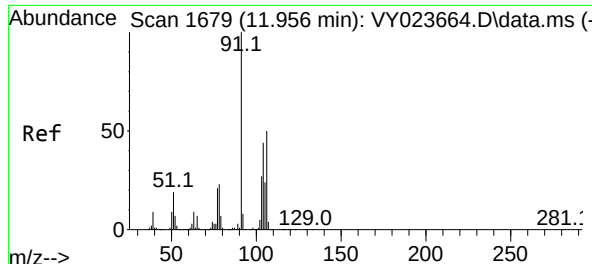
Tgt Ion:106 Resp: 3451849

Ion Ratio Lower Upper

106 100

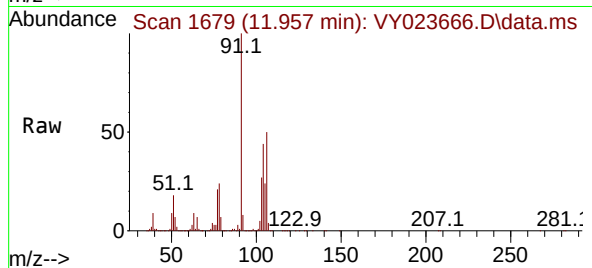
91 192.0 154.3 231.5





#69
o-Xylene
Concen: 159.402 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

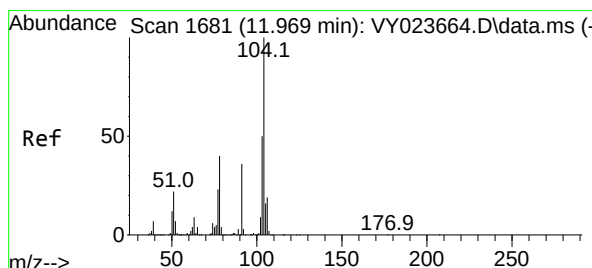
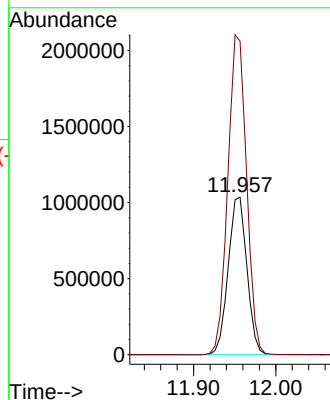
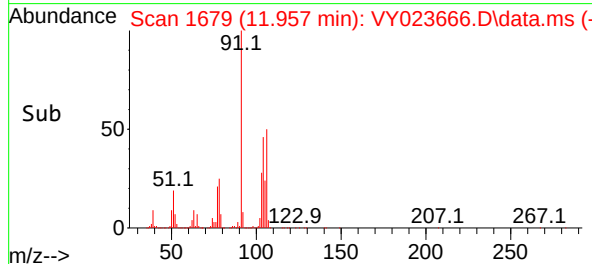
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:106 Resp: 1640734
Ion Ratio Lower Upper
106 100
91 203.2 101.6 304.6

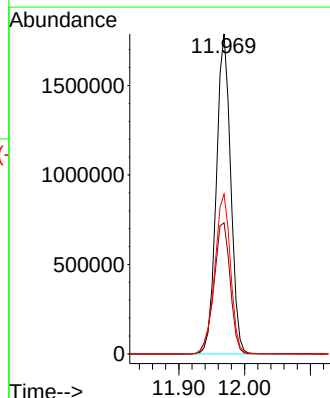
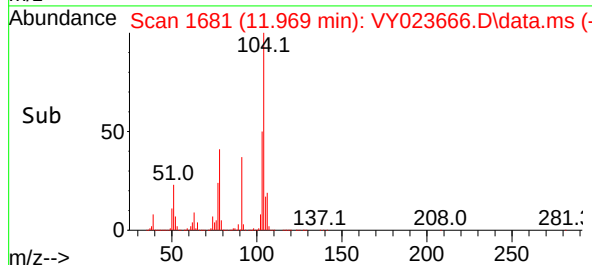
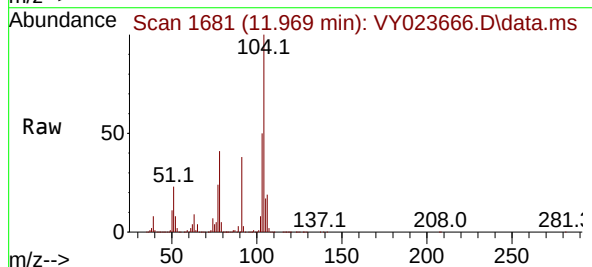
Manual Integrations
APPROVED

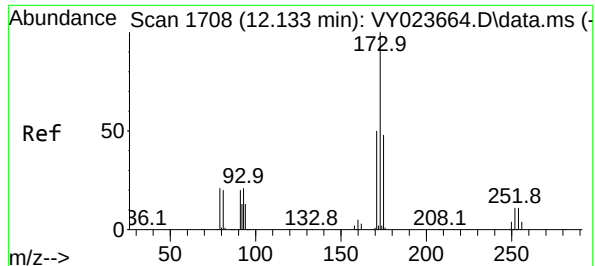
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 159.981 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

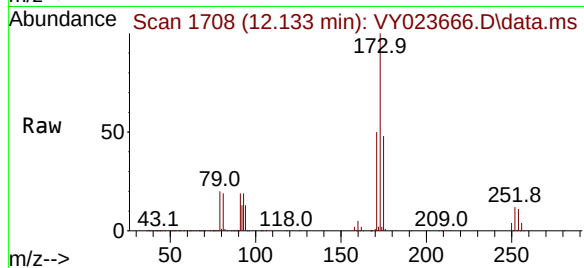
Tgt Ion:104 Resp: 2716949
Ion Ratio Lower Upper
104 100
78 46.5 36.5 54.7
103 54.6 43.7 65.5





#71
Bromoform
Concen: 154.254 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

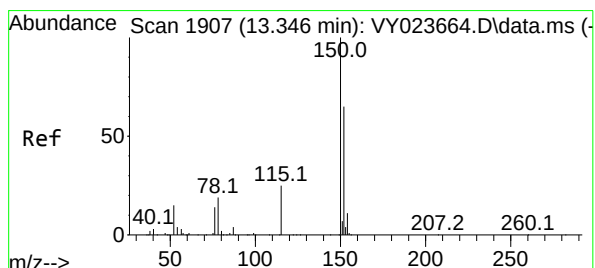
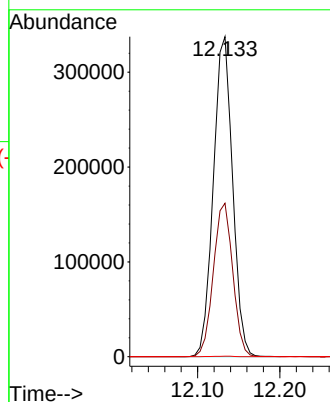
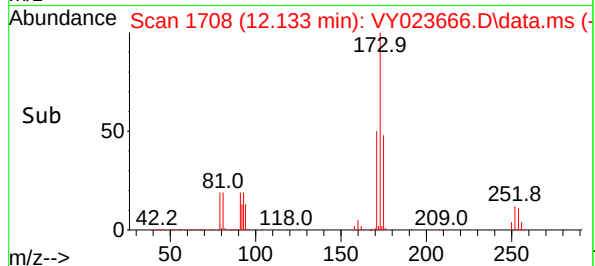
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



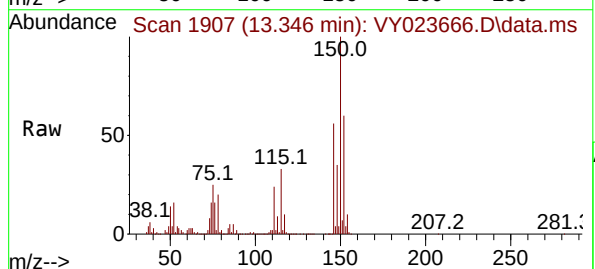
Tgt Ion:173 Resp: 54856
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

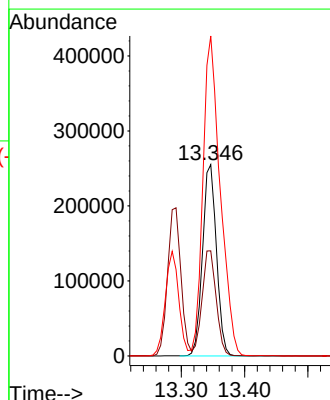
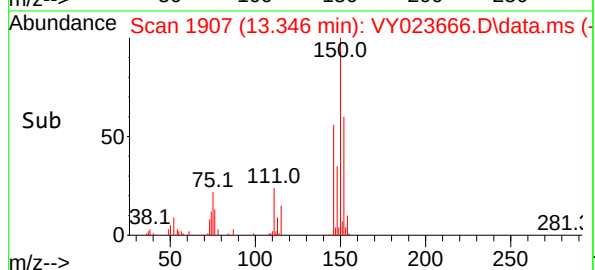
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

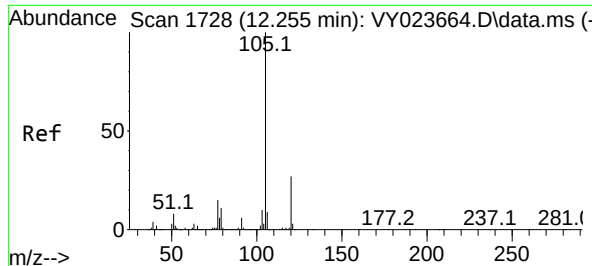


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



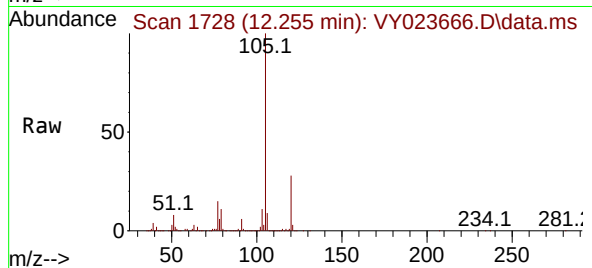
Tgt Ion:152 Resp: 391606
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.5
150 207.3 0.0 349.0





#73
Isopropylbenzene
Concen: 157.957 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

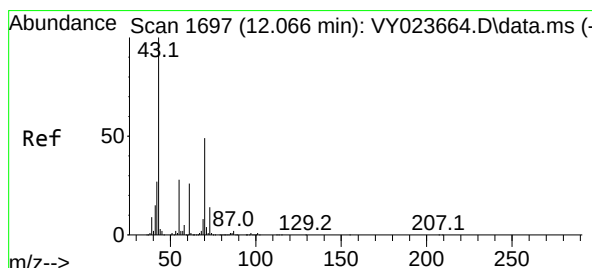
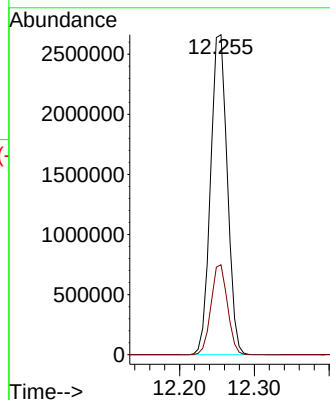
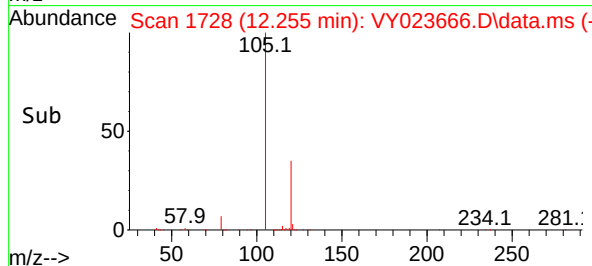
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 413709
Ion Ratio Lower Upper
105 100
120 27.6 13.6 40.7

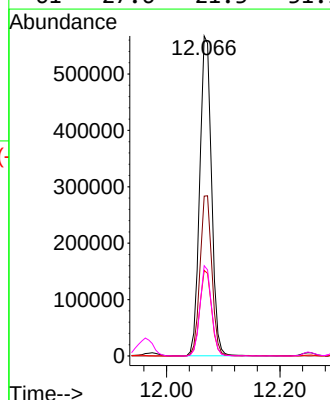
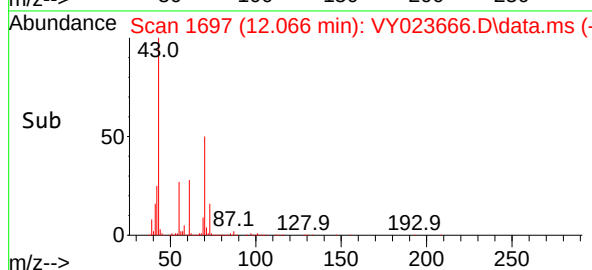
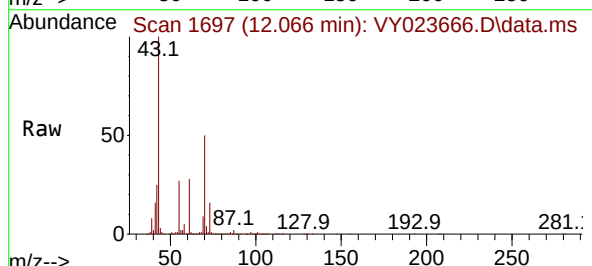
Manual Integrations
APPROVED

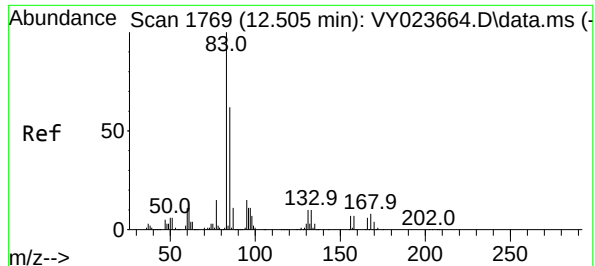
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 184.824 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 43 Resp: 819575
Ion Ratio Lower Upper
43 100
70 50.5 40.1 60.1
55 26.9 23.0 34.6
61 27.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 158.291 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 66214

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

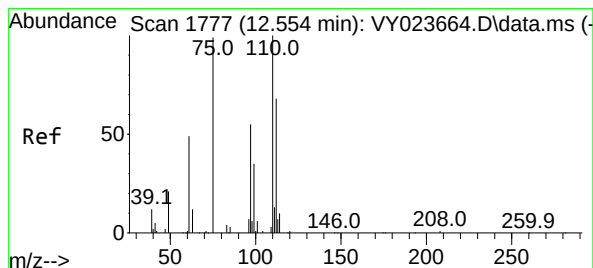
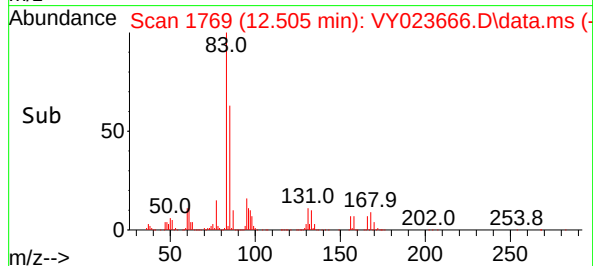
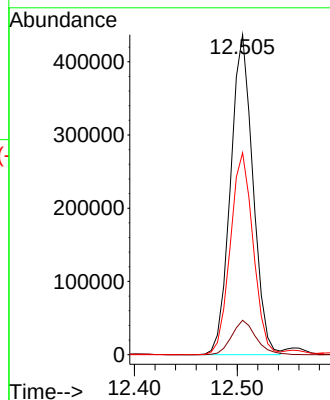
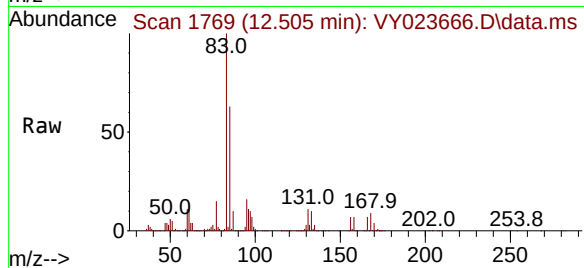
85 64.4 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#76

1,2,3-Trichloropropane

Concen: 145.052 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023666.D

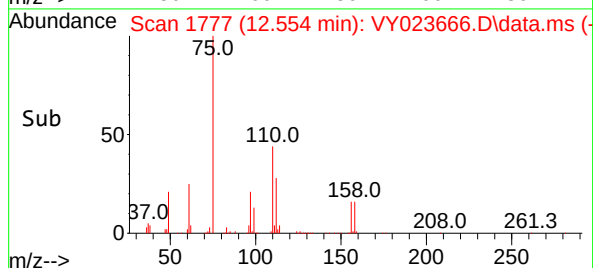
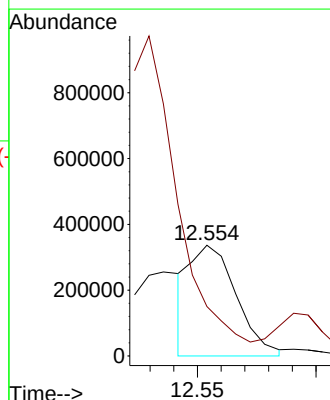
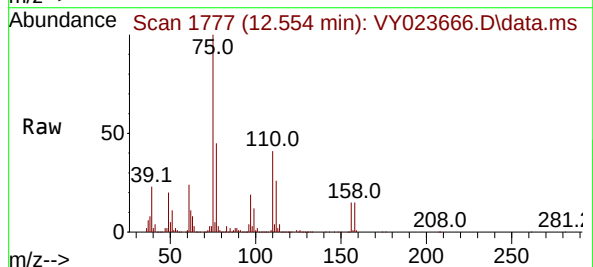
Acq: 04 Nov 2025 11:27

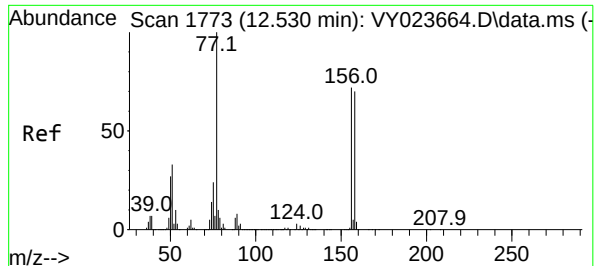
Tgt Ion: 75 Resp: 459716

Ion Ratio Lower Upper

75 100

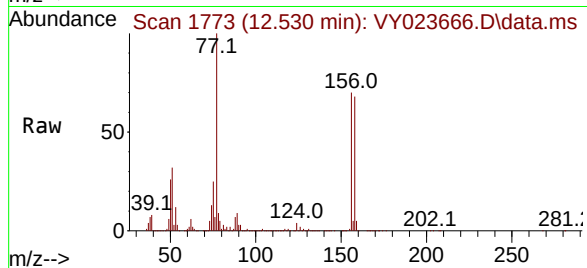
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 153.073 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

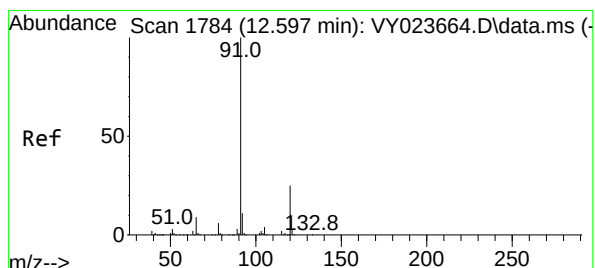
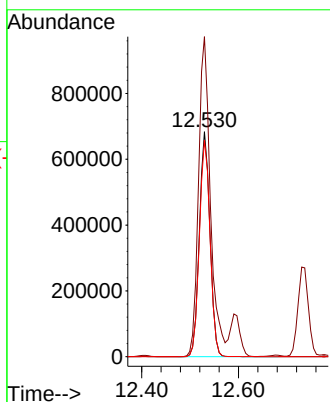
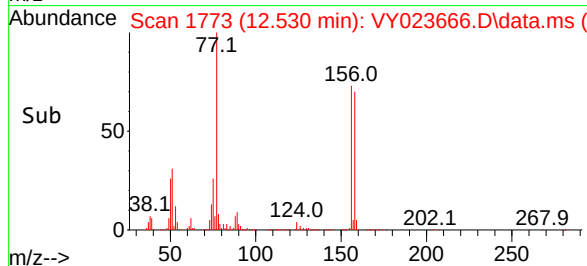
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 1039954
Ion Ratio Lower Upper
156 100
77 159.0 77.9 233.7
158 97.1 48.5 145.5

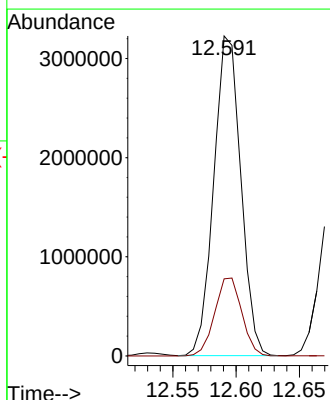
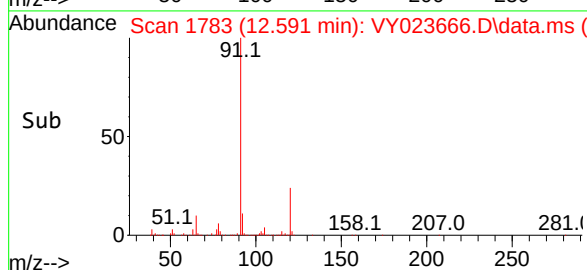
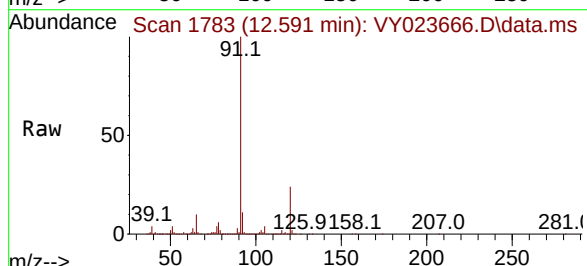
Manual Integrations
APPROVED

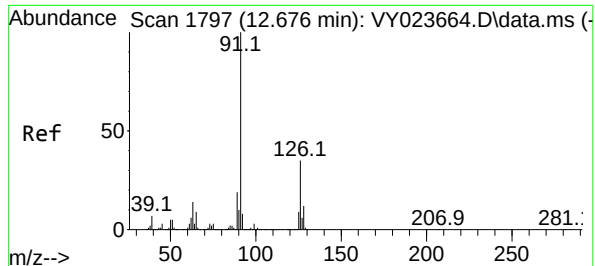
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 155.449 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 91 Resp: 4789010
Ion Ratio Lower Upper
91 100
120 24.4 12.0 36.1





#79

2-Chlorotoluene

Concen: 153.238 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 273947

Ion Ratio Lower Upper

91 100

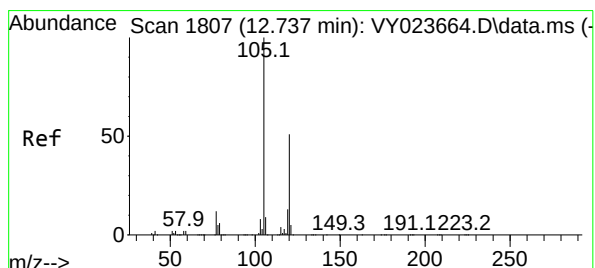
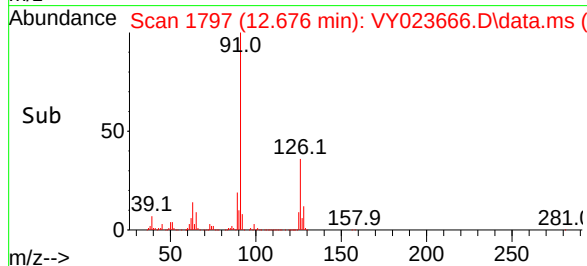
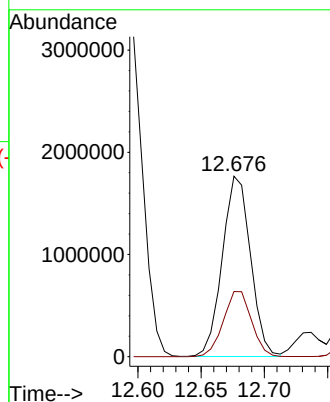
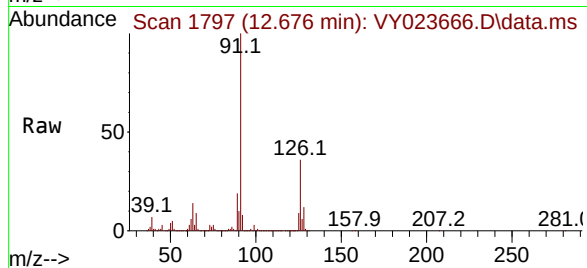
126 36.3 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 157.728 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023666.D

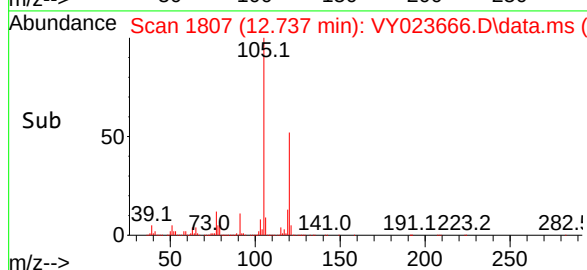
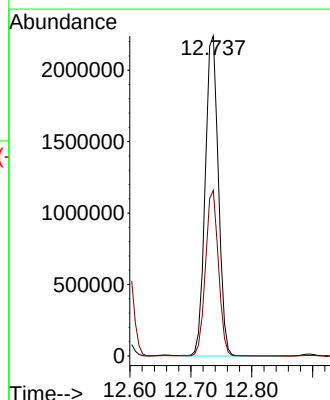
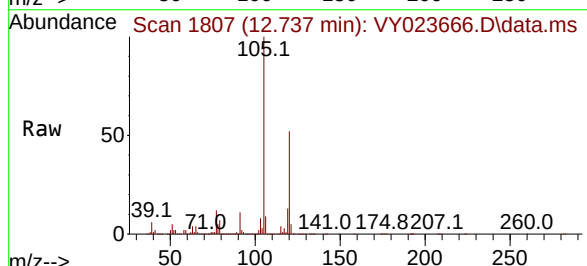
Acq: 04 Nov 2025 11:27

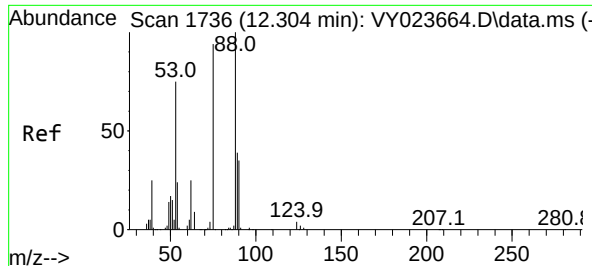
Tgt Ion:105 Resp: 3356489

Ion Ratio Lower Upper

105 100

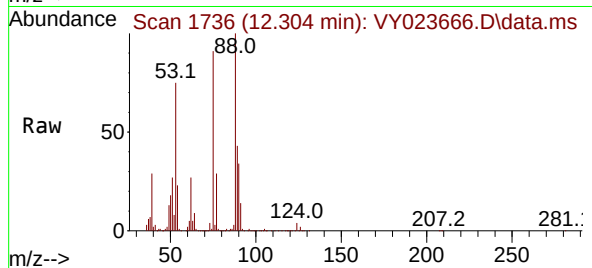
120 50.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 164.538 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

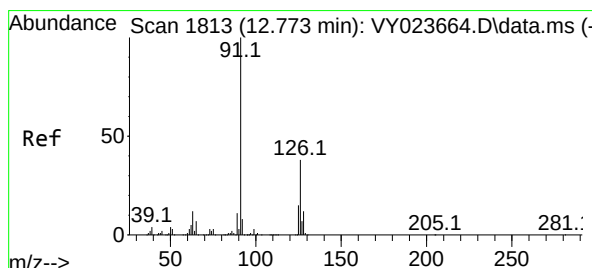
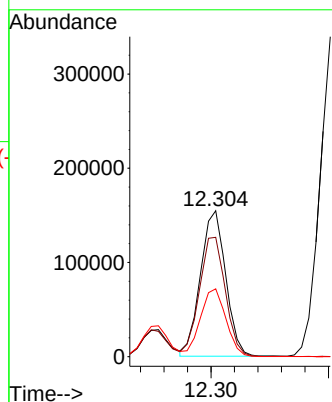
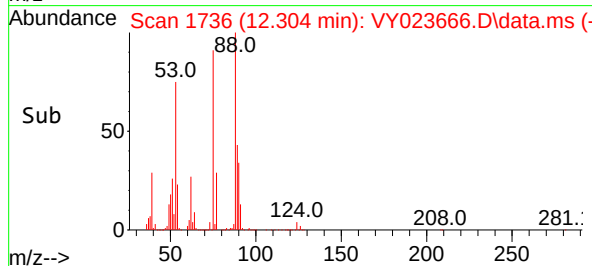
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 230740
Ion Ratio Lower Upper
75 100
53 84.1 69.6 104.4
89 47.5 38.2 57.4

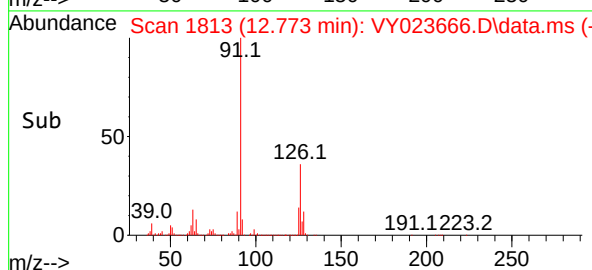
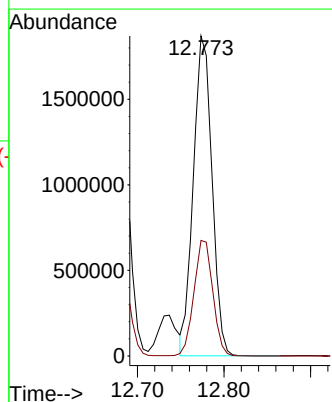
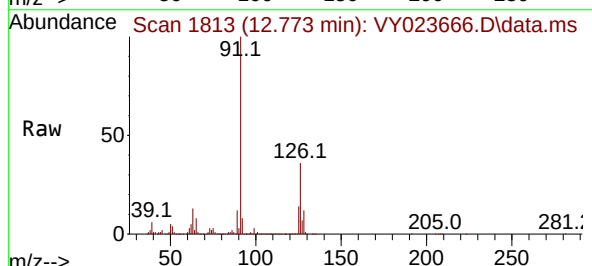
Manual Integrations
APPROVED

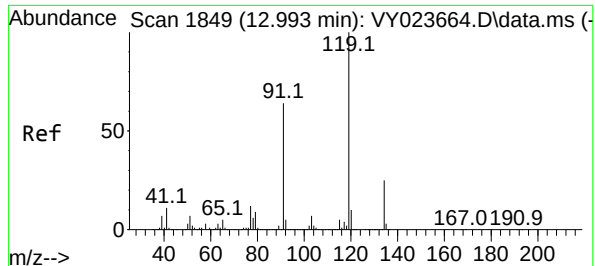
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 151.827 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

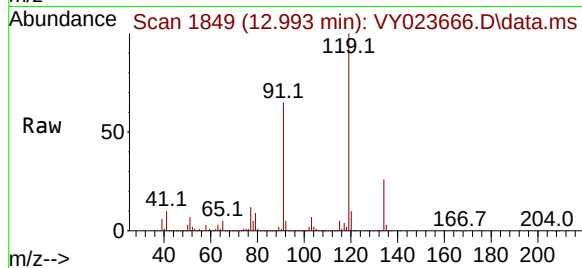
Tgt Ion: 91 Resp: 2799224
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.4





#83
tert-Butylbenzene
Concen: 162.060 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

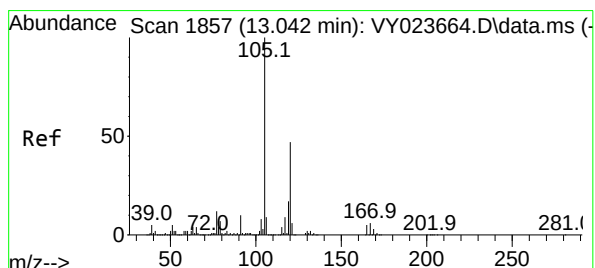
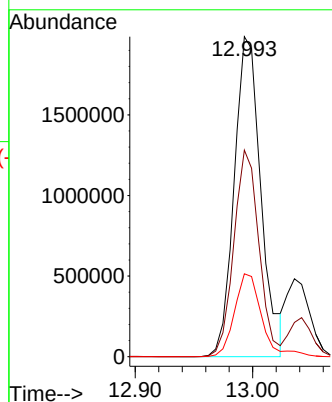
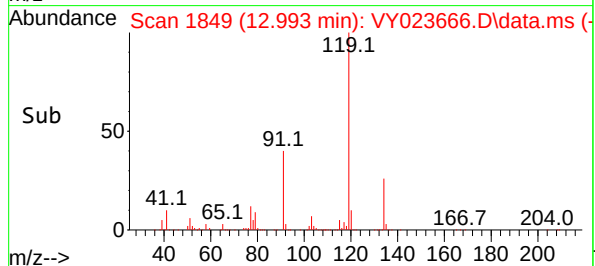
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:119 Resp: 314096
Ion Ratio Lower Upper
119 100
91 60.9 30.7 92.1
134 26.4 13.1 39.1

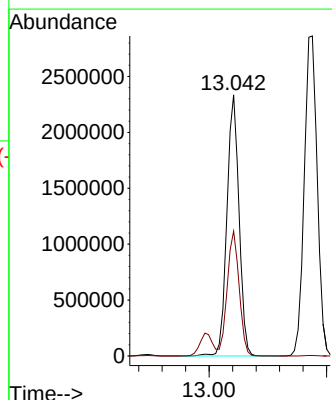
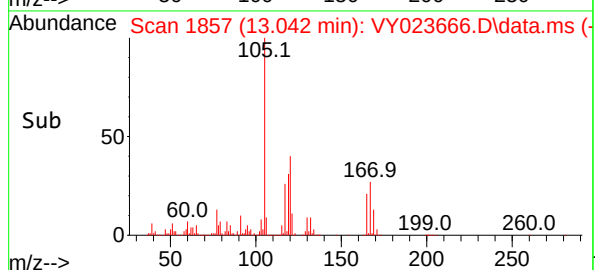
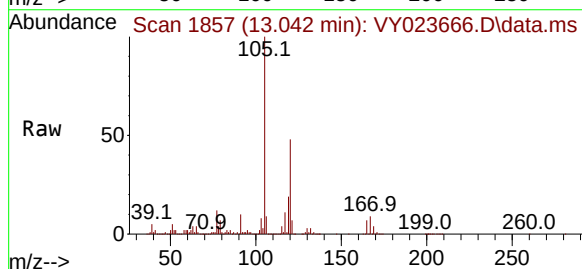
Manual Integrations
APPROVED

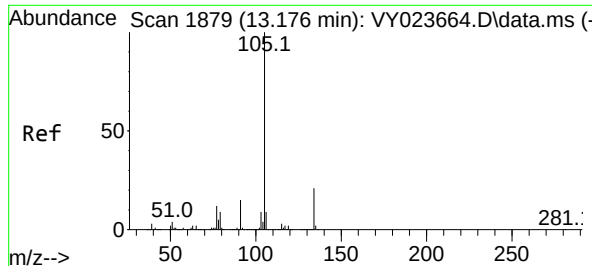
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 158.616 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

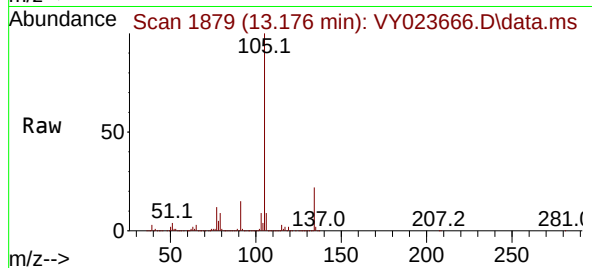
Tgt Ion:105 Resp: 3343184
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.6





#85
sec-Butylbenzene
Concen: 156.408 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

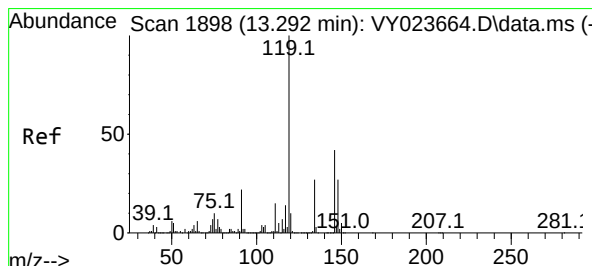
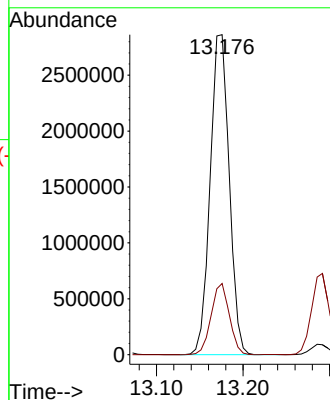
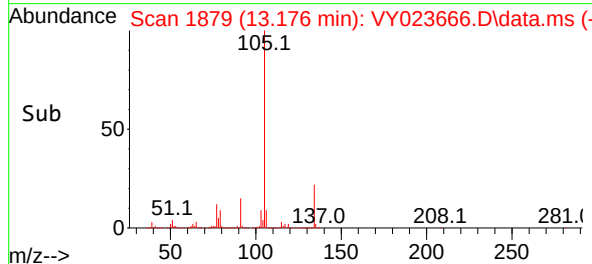
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



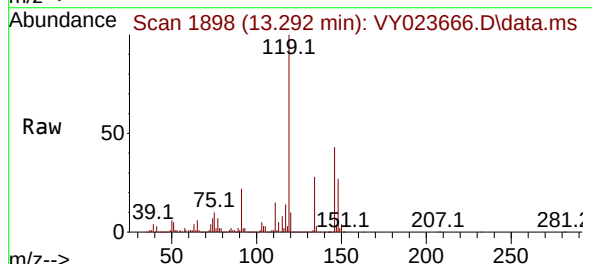
Tgt Ion:105 Resp: 4372340
Ion Ratio Lower Upper
105 100
134 21.3 10.4 31.4

Manual Integrations
APPROVED

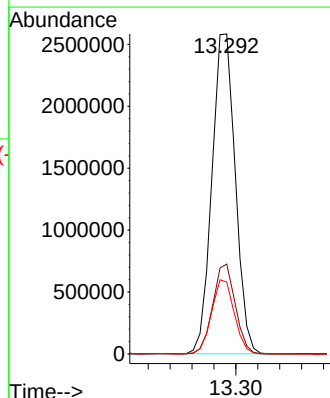
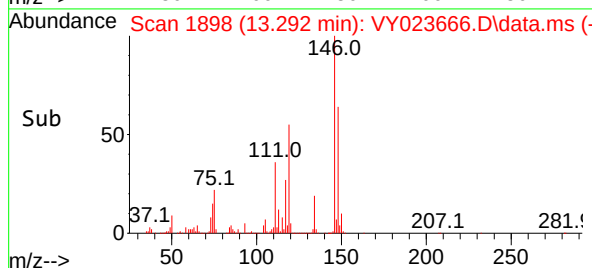
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

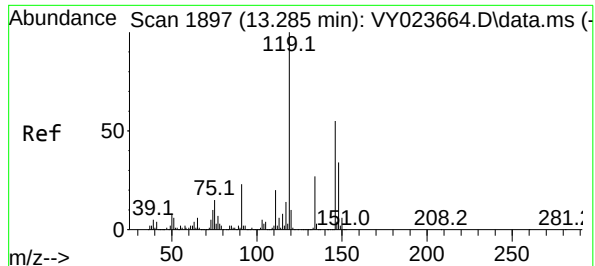


#86
p-Isopropyltoluene
Concen: 161.714 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion:119 Resp: 3826970
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 22.5 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 150.136 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 200758

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

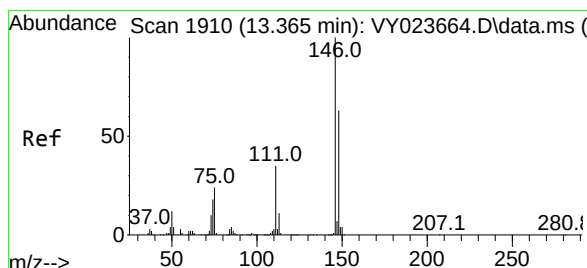
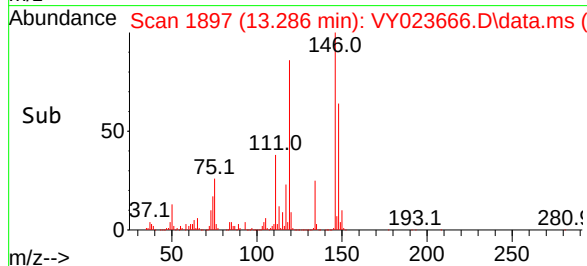
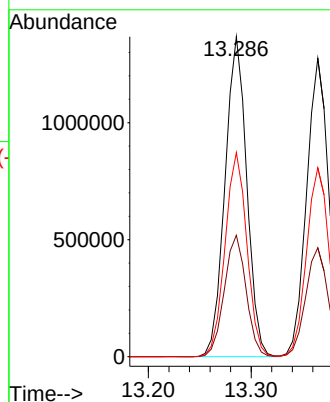
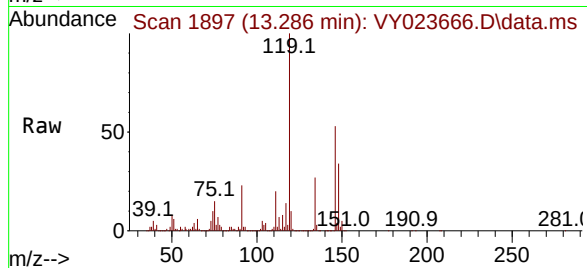
148 64.1 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 145.749 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

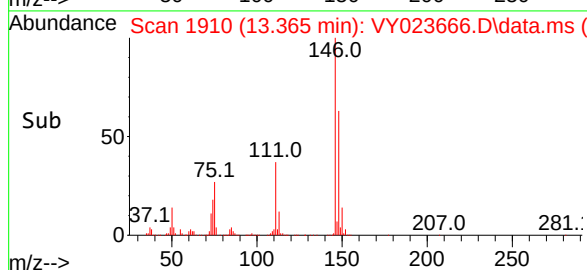
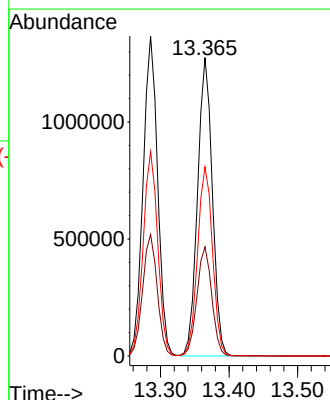
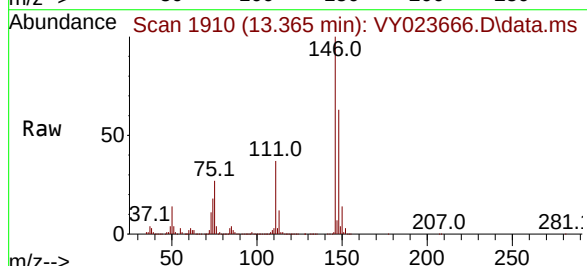
Tgt Ion:146 Resp: 1914429

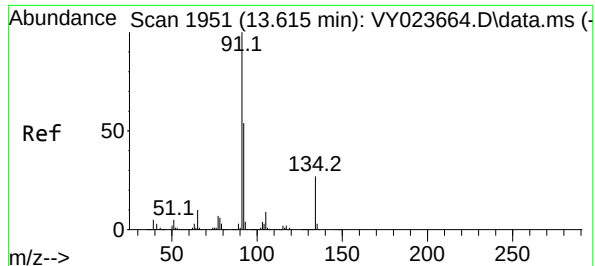
Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

148 64.2 31.8 95.3





#89

n-Butylbenzene

Concen: 162.367 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 3341235

Ion Ratio Lower Upper

91 100

92 54.4 26.5 79.4

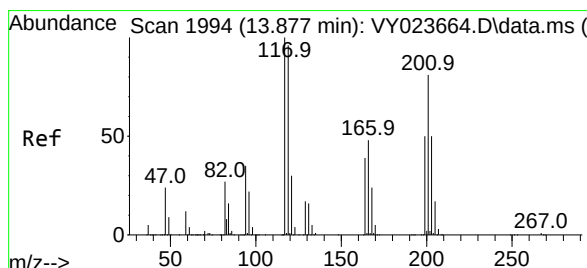
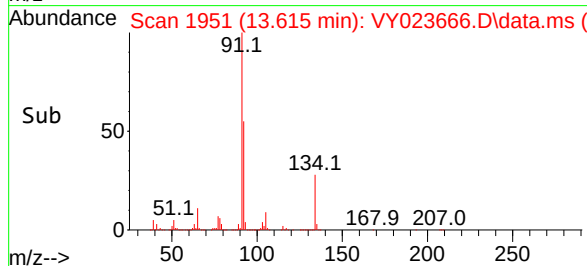
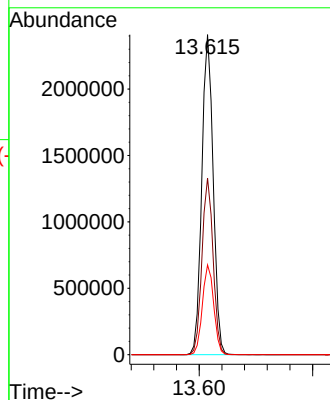
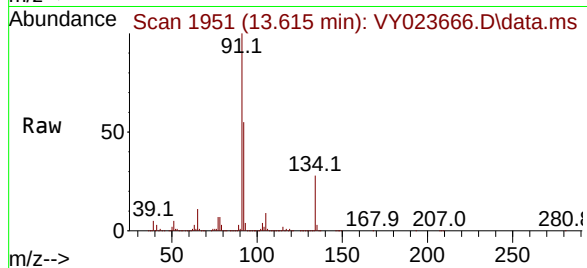
134 28.1 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 149.685 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023666.D

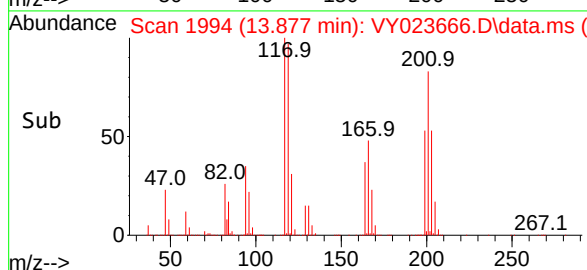
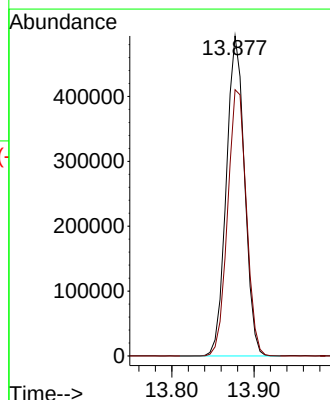
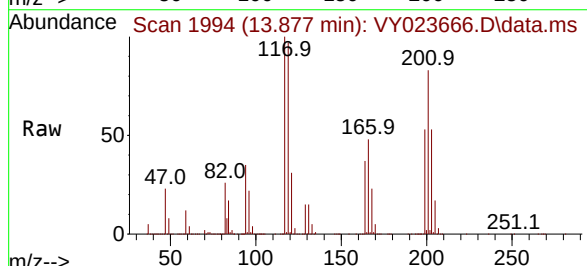
Acq: 04 Nov 2025 11:27

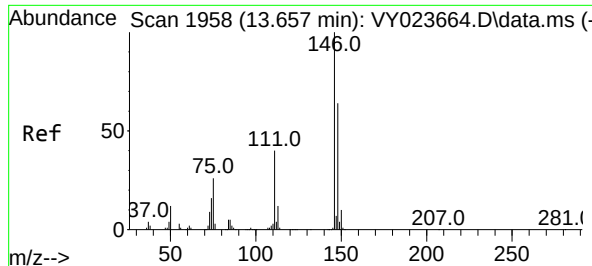
Tgt Ion:117 Resp: 761235

Ion Ratio Lower Upper

117 100

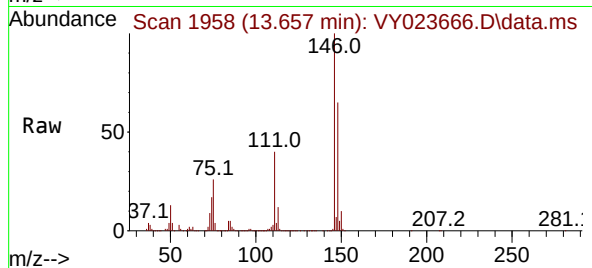
201 85.5 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 148.493 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

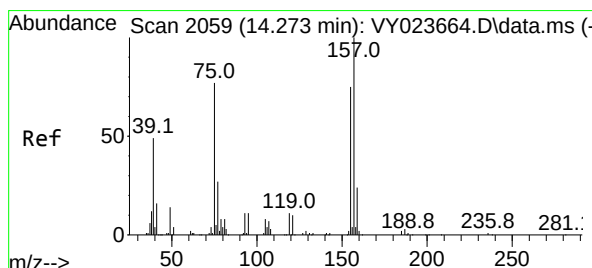
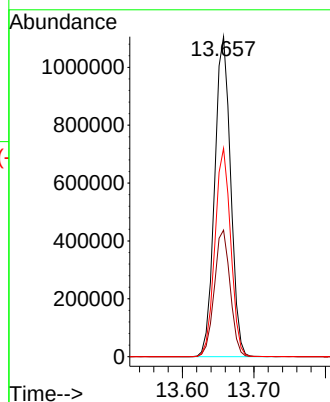
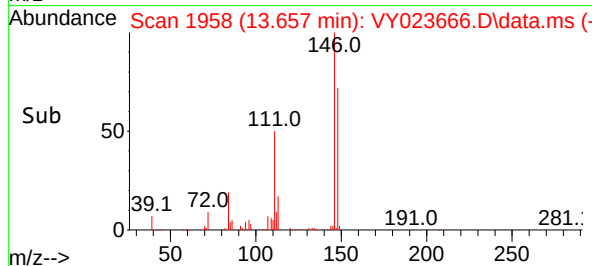
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



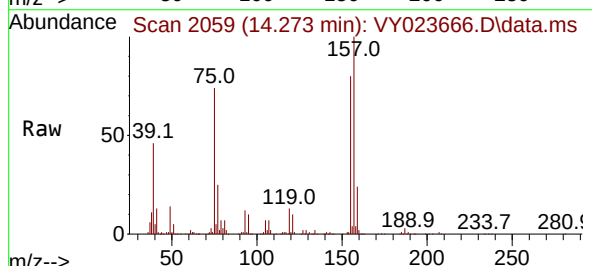
Tgt Ion:146 Resp: 171116
Ion Ratio Lower Upper
146 100
111 39.3 19.5 58.5
148 64.4 31.9 95.9

Manual Integrations
APPROVED

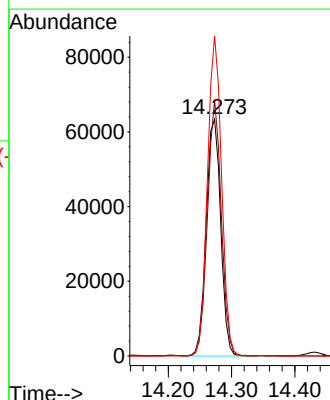
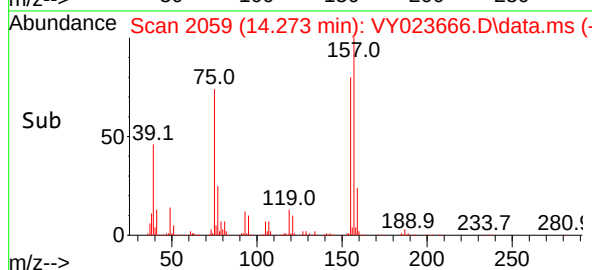
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

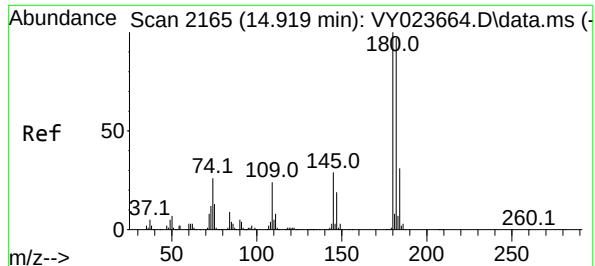


#92
1,2-Dibromo-3-Chloropropane
Concen: 157.511 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion: 75 Resp: 101448
Ion Ratio Lower Upper
75 100
155 102.9 49.4 148.2
157 130.9 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 168.205 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 1108704

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

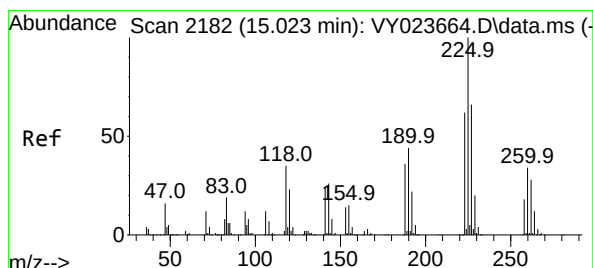
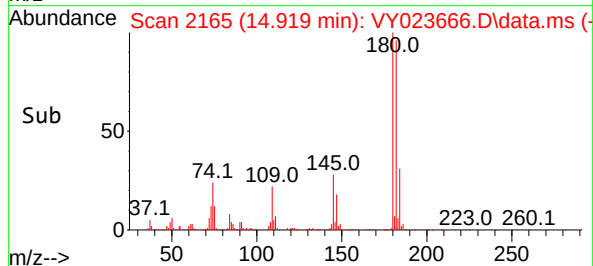
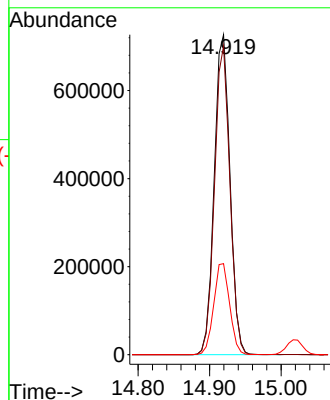
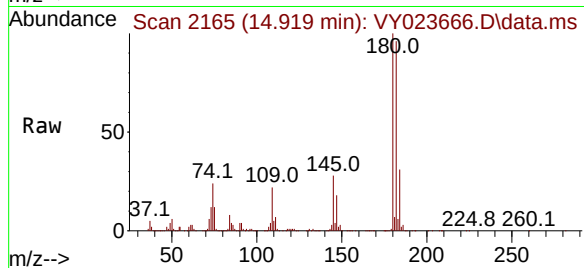
145 28.9 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 148.620 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

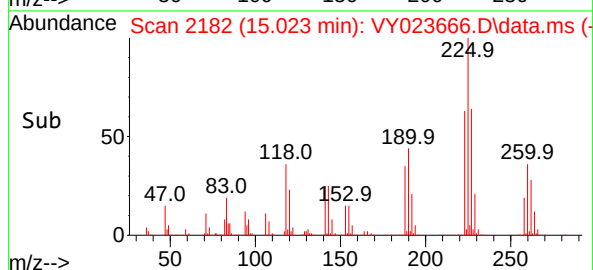
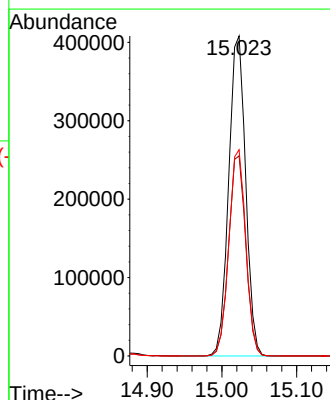
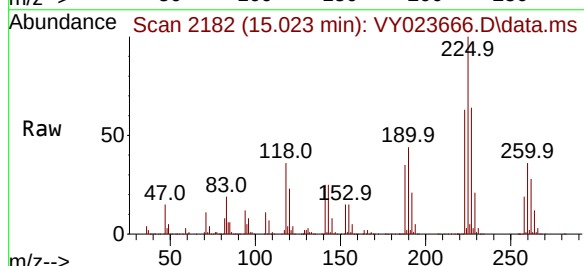
Tgt Ion:225 Resp: 641847

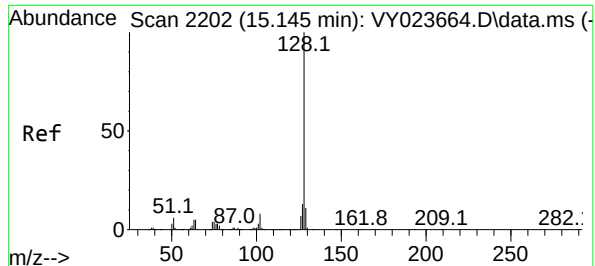
Ion Ratio Lower Upper

225 100

223 63.1 30.8 92.3

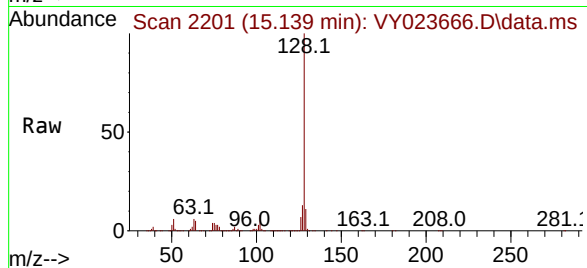
227 64.6 32.0 96.2





#95
Naphthalene
Concen: 152.117 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

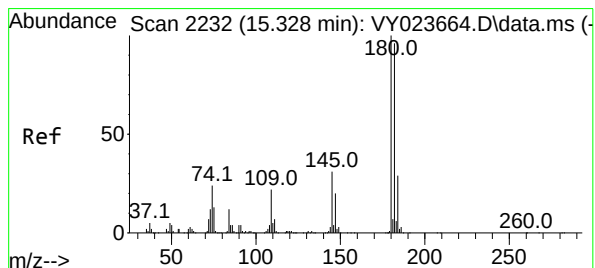
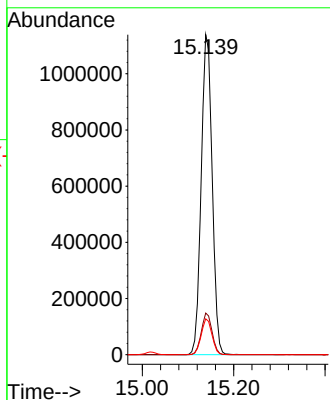
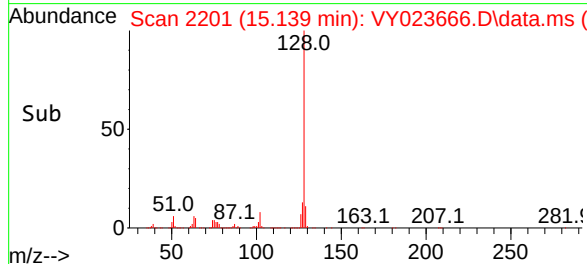
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 189129
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.0 8.8 13.2

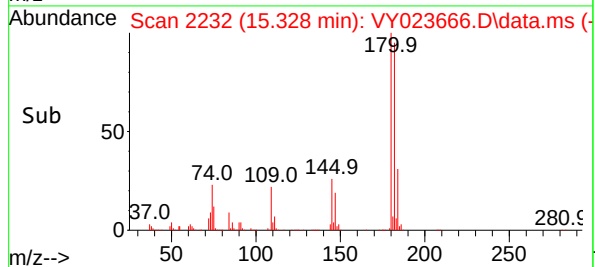
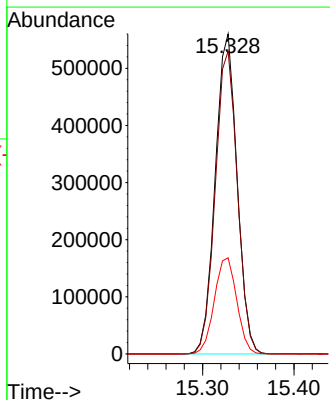
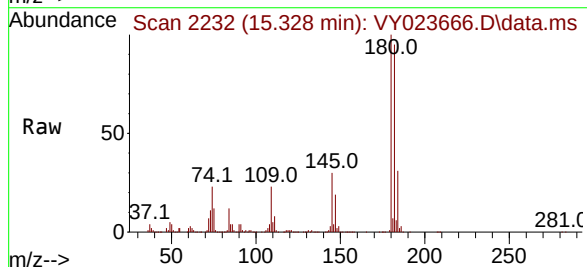
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 168.759 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:180 Resp: 929367
Ion Ratio Lower Upper
180 100
182 95.6 47.5 142.6
145 30.9 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	608113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	888282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	783299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242791	46.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.620%		
35) Dibromofluoromethane	7.634	113	268074	48.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.580%		
50) Toluene-d8	10.109	98	1040318	50.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.402	95	344284	51.484	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	169445	42.448	ug/l	99
3) Chloromethane	2.074	50	256717	45.957	ug/l	99
4) Vinyl Chloride	2.208	62	330280	45.438	ug/l	98
5) Bromomethane	2.599	94	277800	45.434	ug/l	97
6) Chloroethane	2.739	64	235159	46.809	ug/l	99
7) Trichlorofluoromethane	3.056	101	474583	46.359	ug/l	98
8) Diethyl Ether	3.458	74	132465	48.252	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	267535	47.433	ug/l	100
10) Methyl Iodide	4.007	142	316753	47.558	ug/l	99
11) Tert butyl alcohol	4.860	59	75144	224.660	ug/l	96
12) 1,1-Dichloroethene	3.793	96	261851	48.194	ug/l	99
13) Acrolein	3.653	56	91811	213.558	ug/l	99
14) Allyl chloride	4.385	41	330702	50.006	ug/l	99
15) Acrylonitrile	5.062	53	257491	245.434	ug/l	99
16) Acetone	3.867	43	294814	228.644	ug/l	95
17) Carbon Disulfide	4.110	76	787691	47.235	ug/l	99
18) Methyl Acetate	4.385	43	126071	44.328	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	643310	51.062	ug/l	99
20) Methylene Chloride	4.616	84	285026	45.791	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	300477	49.048	ug/l	99
22) Diisopropyl ether	6.025	45	755561	51.273	ug/l	100
23) Vinyl Acetate	5.964	43	2077321	264.163	ug/l	100
24) 1,1-Dichloroethane	5.921	63	471845	48.064	ug/l	99
25) 2-Butanone	6.897	43	352581	236.507	ug/l	100
26) 2,2-Dichloropropane	6.890	77	437078	48.402	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	347603	49.682	ug/l	99
28) Bromochloromethane	7.250	49	176101	46.849	ug/l	99
29) Tetrahydrofuran	7.262	42	198667	250.229	ug/l	99
30) Chloroform	7.421	83	524526	47.888	ug/l	100
31) Cyclohexane	7.701	56	414807	48.520	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	471242	48.137	ug/l	99
36) 1,1-Dichloropropene	7.835	75	369989	49.878	ug/l	100
37) Ethyl Acetate	6.988	43	146441	50.997	ug/l	99
38) Carbon Tetrachloride	7.823	117	432288	49.462	ug/l	100
39) Methylcyclohexane	9.110	83	501162	52.876	ug/l	98
40) Benzene	8.079	78	1163766	49.773	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	68046	43.412	ug/l #	81
42) 1,2-Dichloroethane	8.159	62	287665	48.630	ug/l	99
43) Isopropyl Acetate	8.201	43	277810	51.490	ug/l #	87
44) Trichloroethene	8.866	130	327327	48.741	ug/l	97
45) 1,2-Dichloropropane	9.140	63	257161	49.835	ug/l	98
46) Dibromomethane	9.232	93	159165	49.780	ug/l	98
47) Bromodichloromethane	9.420	83	399133	49.512	ug/l	99
48) Methyl methacrylate	9.219	41	135247	53.056	ug/l	99
49) 1,4-Dioxane	9.225	88	32783	1001.883	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	739467	257.714	ug/l	99
52) Toluene	10.170	92	769370	51.540	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	349820	51.286	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	418833	51.251	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	209781	49.096	ug/l	95
56) Ethyl methacrylate	10.439	69	259940	55.214	ug/l	99
57) 1,3-Dichloropropane	10.719	76	337613	49.813	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	586635	271.549	ug/l	100
59) 2-Hexanone	10.762	43	536488	256.278	ug/l	100
60) Dibromochloromethane	10.908	129	293578	50.005	ug/l	100
61) 1,2-Dibromoethane	11.012	107	200656	50.038	ug/l	99
64) Tetrachloroethene	10.646	164	384807	47.199	ug/l	98
65) Chlorobenzene	11.438	112	849748	49.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	298190	49.452	ug/l	99
67) Ethyl Benzene	11.518	91	1445427	52.373	ug/l	99
68) m/p-Xylenes	11.627	106	1159953	105.195	ug/l	100
69) o-Xylene	11.957	106	541389	53.114	ug/l	99
70) Styrene	11.969	104	896108	53.283	ug/l	99
71) Bromoform	12.133	173	177352	50.360	ug/l #	99
73) Isopropylbenzene	12.255	105	1417486	53.146	ug/l	99
74) N-amyl acetate	12.072	43	238873	52.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	214414	50.335	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	153462m	47.550	ug/l	
77) Bromobenzene	12.530	156	348579	50.384	ug/l	99
78) n-propylbenzene	12.591	91	1654045	52.723	ug/l	100
79) 2-Chlorotoluene	12.676	91	940627	51.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1152618	53.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	70336	49.252	ug/l	99
82) 4-Chlorotoluene	12.774	91	965258	51.412	ug/l	100
83) tert-Butylbenzene	12.993	119	1067903	54.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1146575	53.419	ug/l	99
85) sec-Butylbenzene	13.170	105	1517909	53.321	ug/l	100
86) p-Isopropyltoluene	13.292	119	1299518	53.924	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	681531	50.050	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	656109	49.051	ug/l	99
89) n-Butylbenzene	13.615	91	1139328	54.369	ug/l	99
90) Hexachloroethane	13.877	117	258543	49.923	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	587705	50.082	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31188	47.551	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	356674	53.138	ug/l	100
94) Hexachlorobutadiene	15.023	225	222246	50.535	ug/l	99
95) Naphthalene	15.139	128	560653	48.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	300360	53.559	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

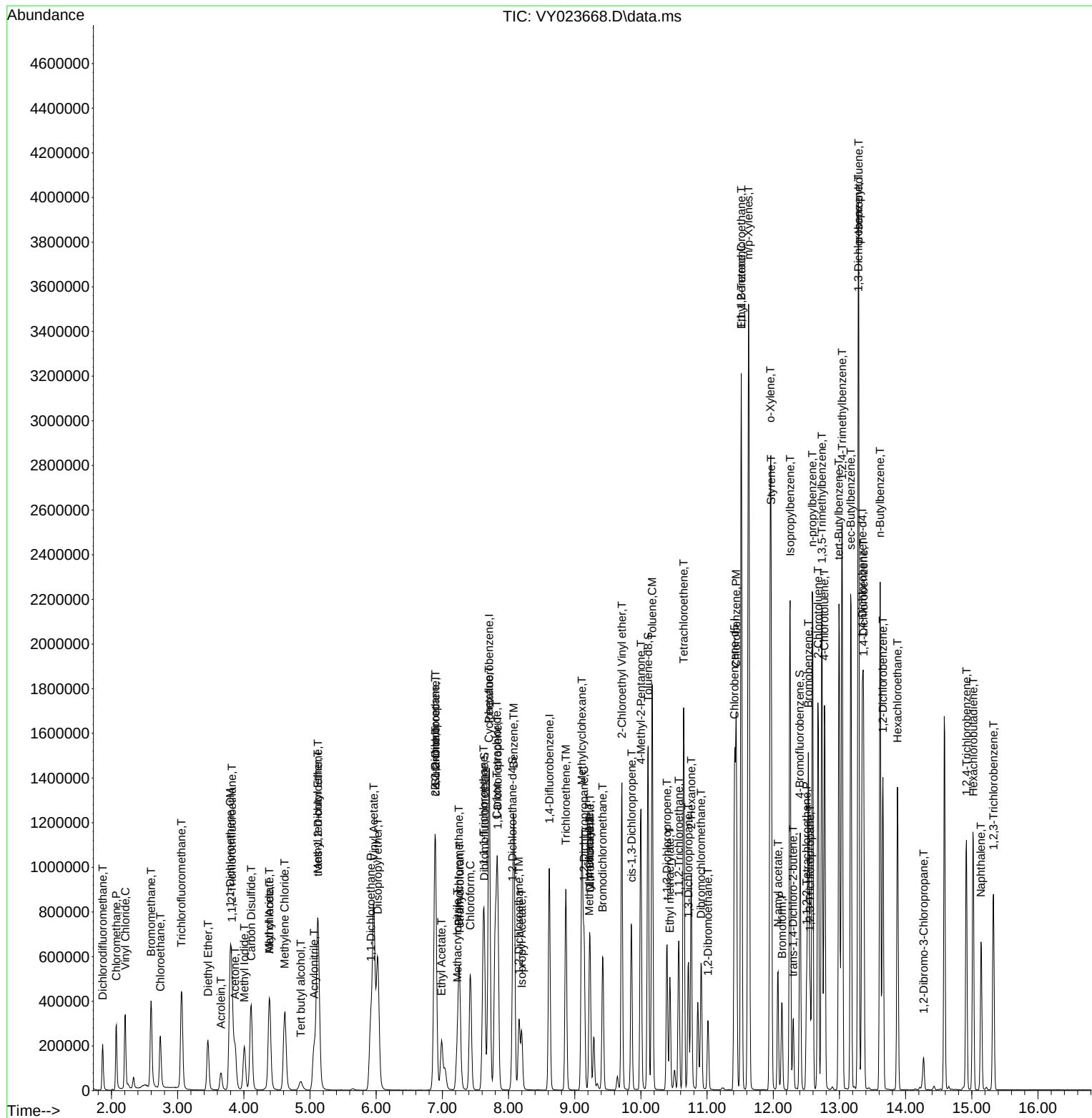
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

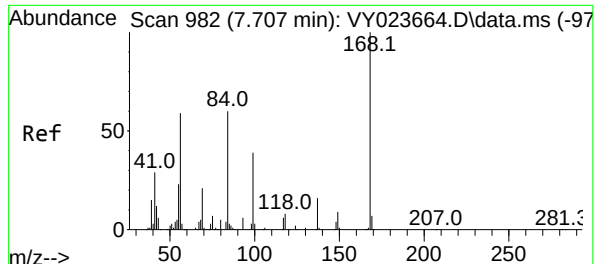
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Manual Integrations

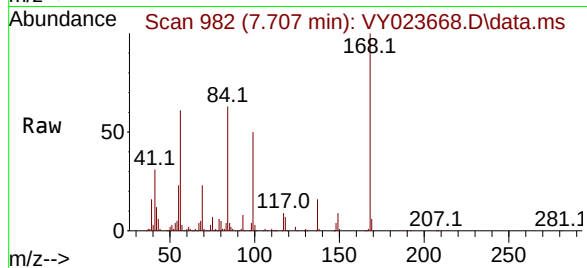
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

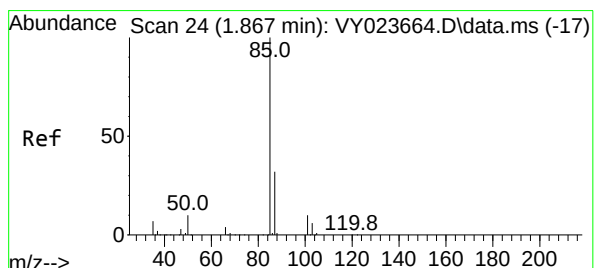
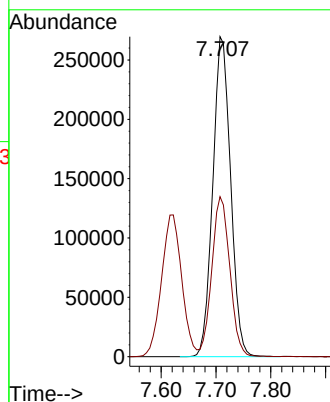
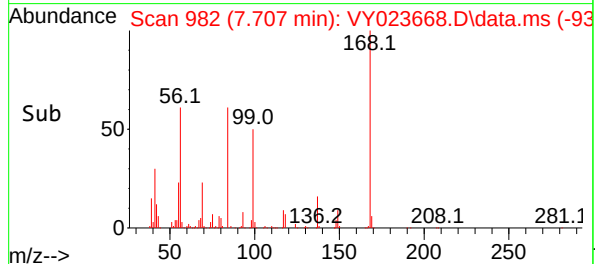
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:168 Resp: 60811
Ion Ratio Lower Upper
168 100
99 49.9 41.0 61.4

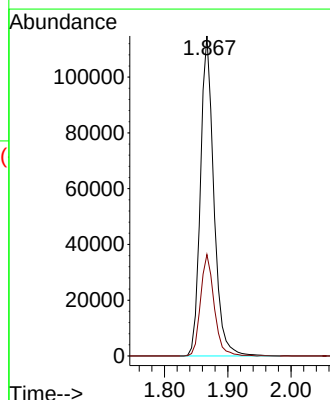
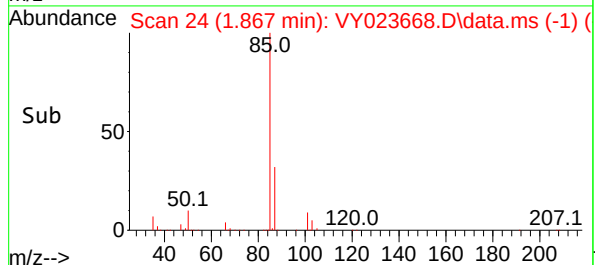
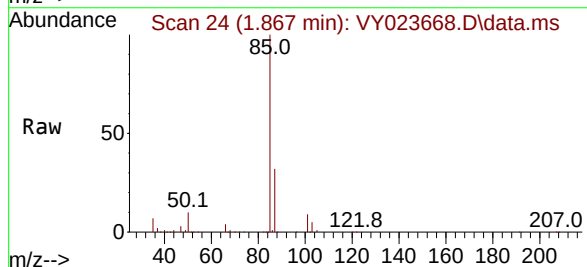
Manual Integrations
APPROVED

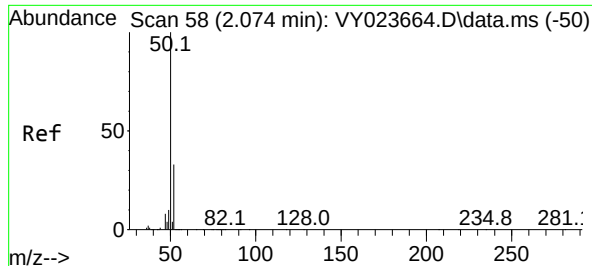
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 42.448 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

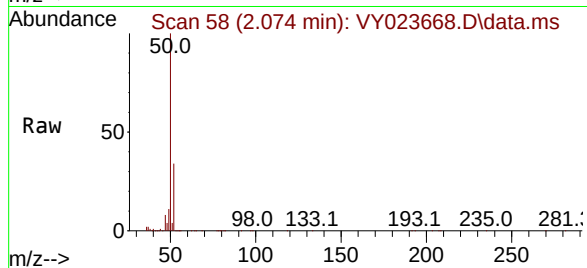
Tgt Ion: 85 Resp: 169445
Ion Ratio Lower Upper
85 100
87 31.7 16.2 48.6





#3
Chloromethane
Concen: 45.957 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

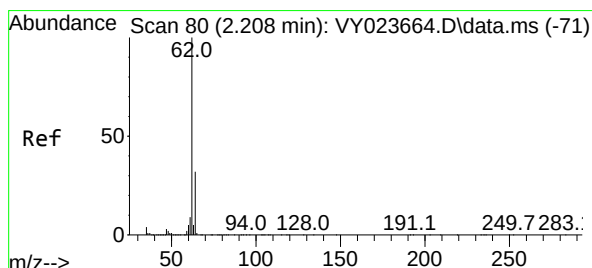
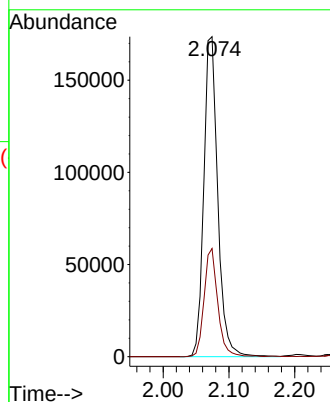
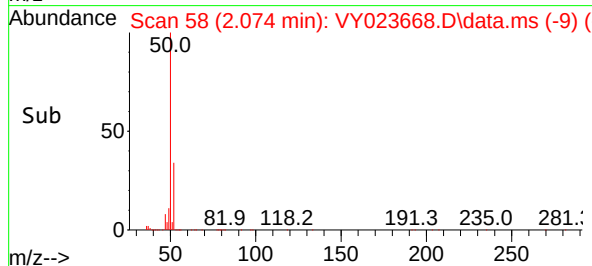
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion: 50 Resp: 25671
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

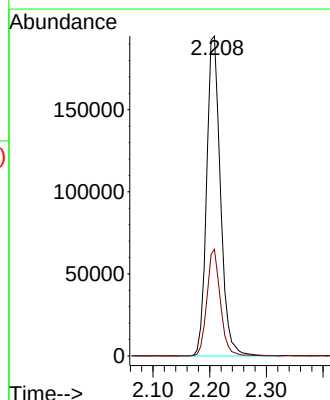
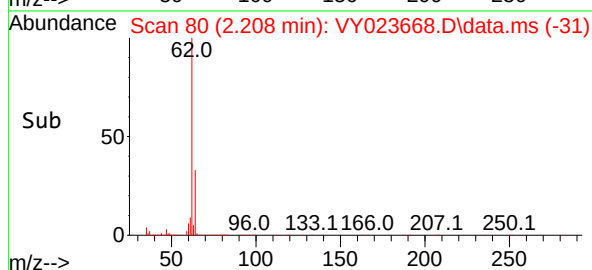
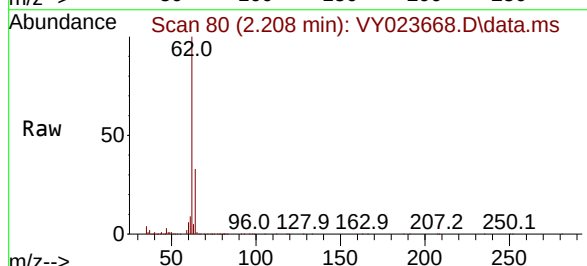
Manual Integrations
APPROVED

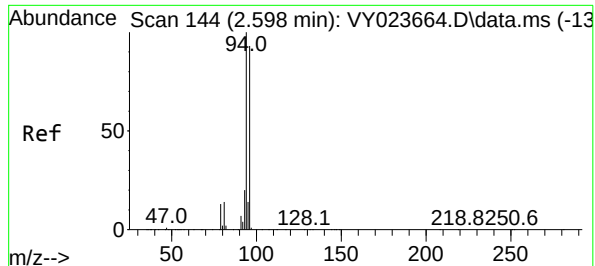
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 45.438 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

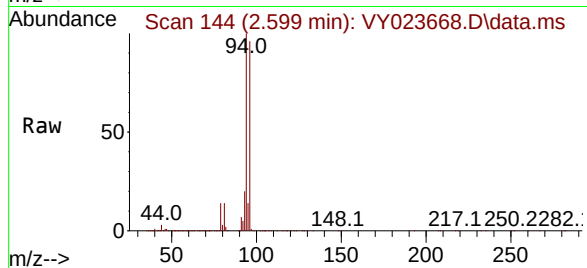
Tgt Ion: 62 Resp: 330280
Ion Ratio Lower Upper
62 100
64 33.3 25.7 38.5





#5
Bromomethane
Concen: 45.434 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

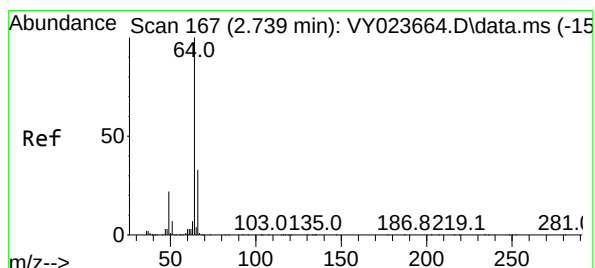
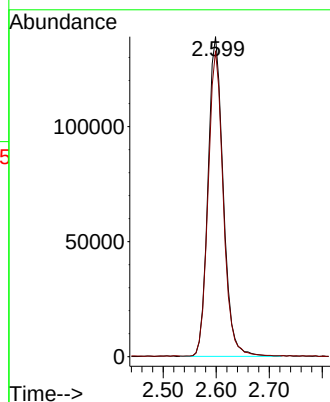
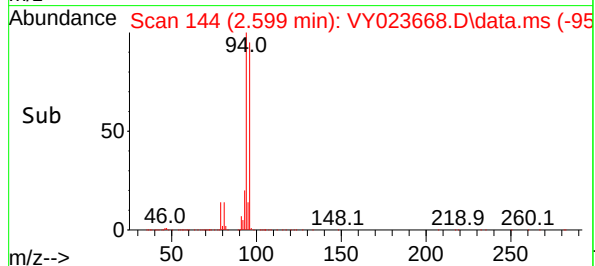
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



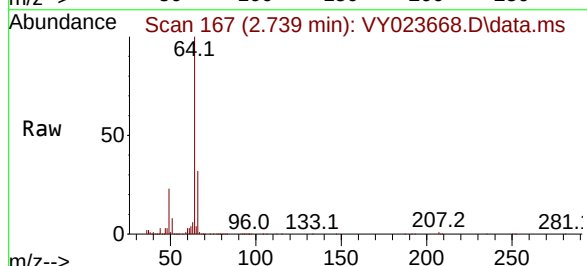
Tgt Ion: 94 Resp: 277800
Ion Ratio Lower Upper
94 100
96 95.5 74.4 111.6

Manual Integrations
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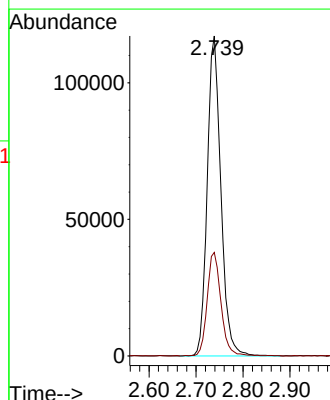
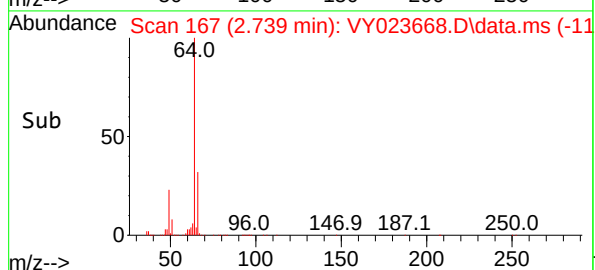
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

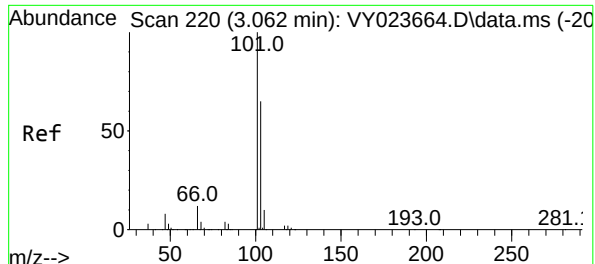


#6
Chloroethane
Concen: 46.809 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



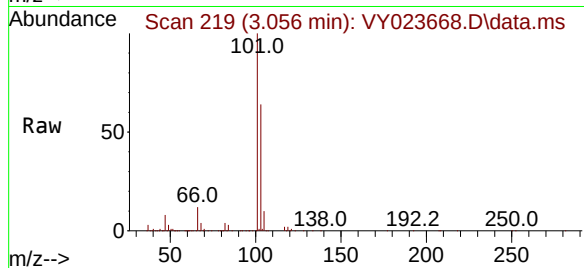
Tgt Ion: 64 Resp: 235159
Ion Ratio Lower Upper
64 100
66 32.4 26.2 39.4





#7
Trichlorofluoromethane
Concen: 46.359 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

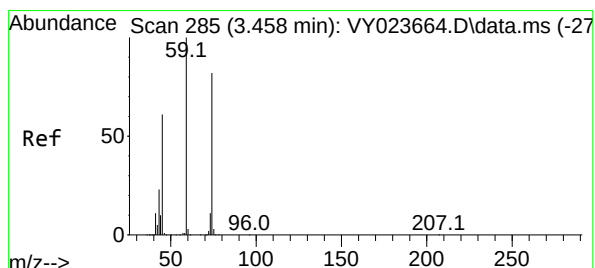
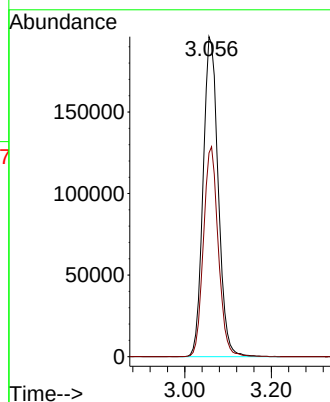
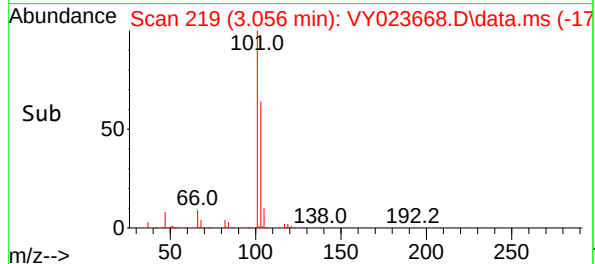
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:101 Resp: 47458
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1

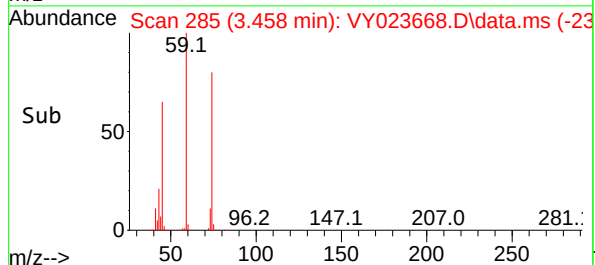
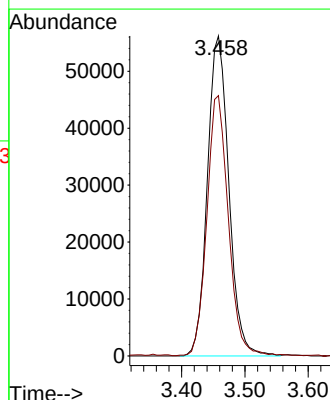
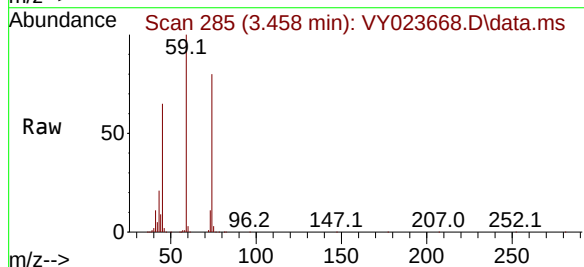
Manual Integrations
APPROVED

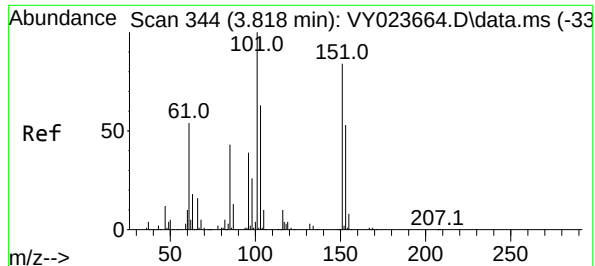
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 48.252 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 74 Resp: 132465
Ion Ratio Lower Upper
74 100
45 81.3 40.6 121.7





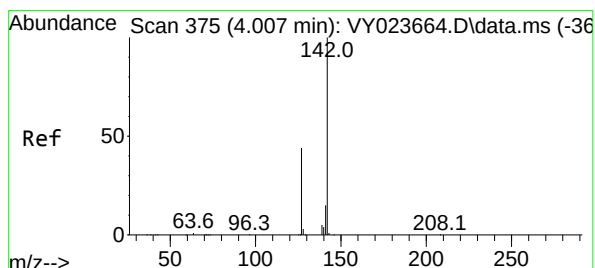
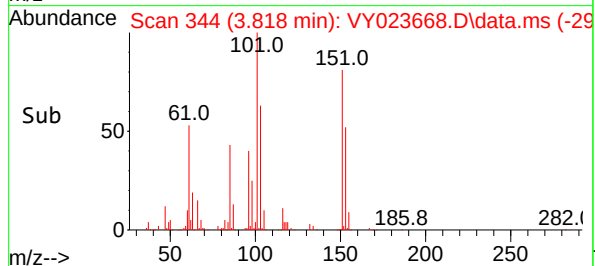
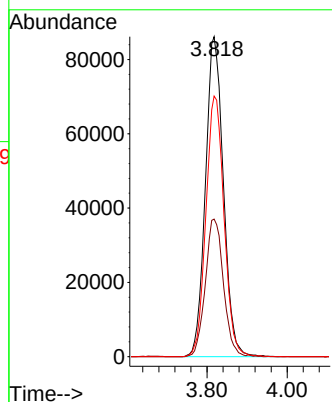
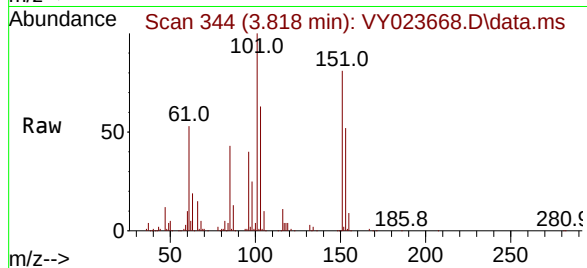
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.433 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion:101 Resp: 26753
Ion Ratio Lower Upper
101 100
85 43.4 34.4 51.6
151 82.3 65.6 98.4

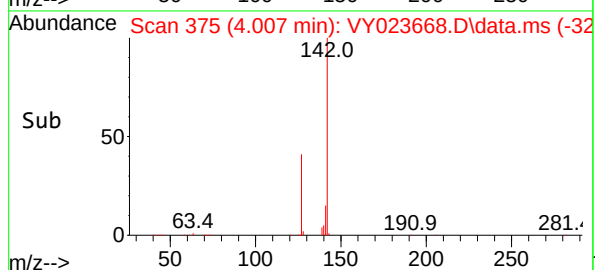
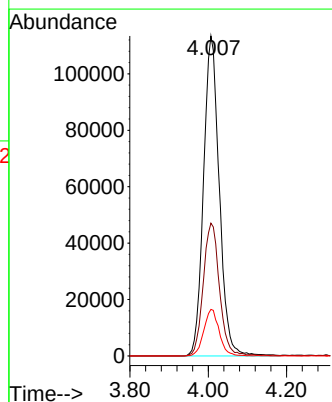
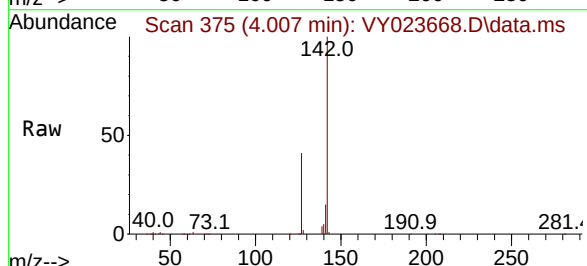
Manual Integrations
APPROVED

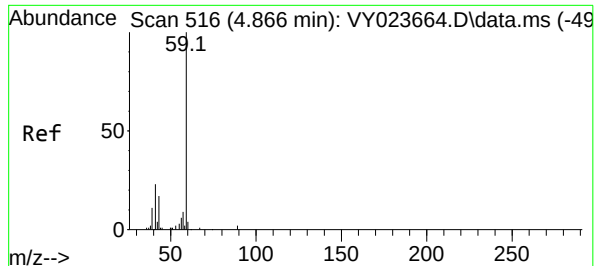
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 47.558 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion:142 Resp: 316753
Ion Ratio Lower Upper
142 100
127 42.6 34.6 51.8
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 224.660 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 59 Resp: 75144

Ion Ratio Lower Upper

59 100

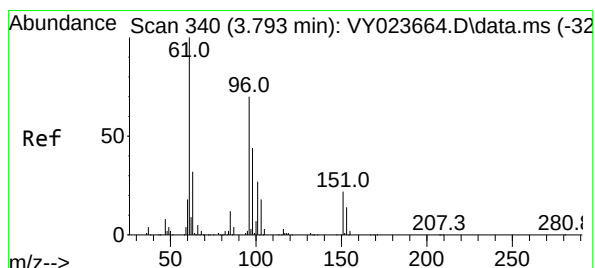
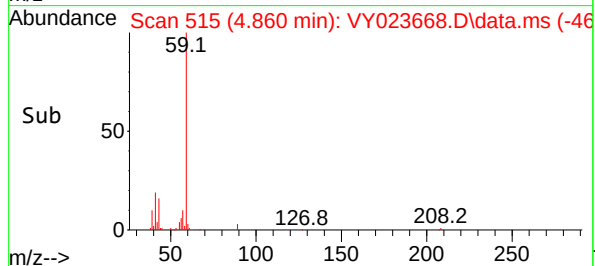
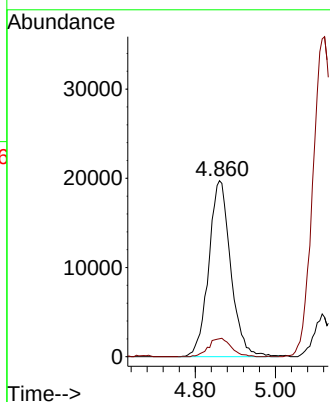
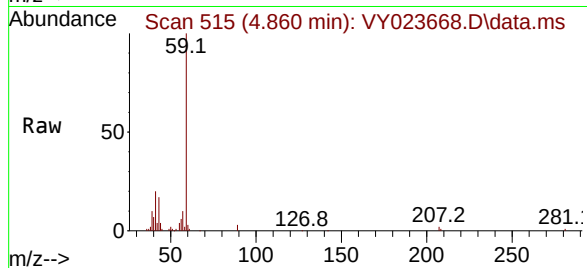
57 10.7 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 48.194 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

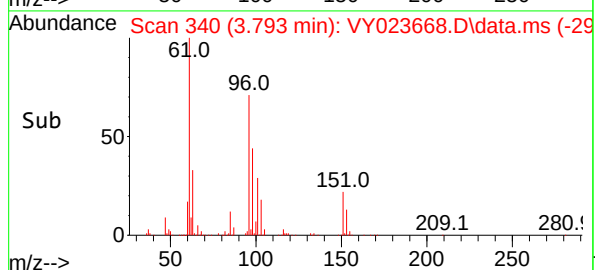
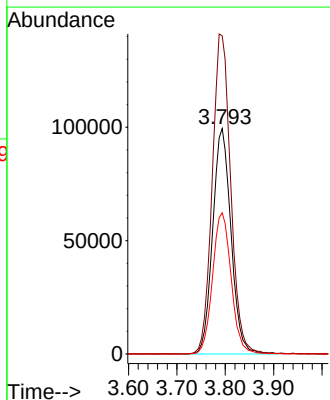
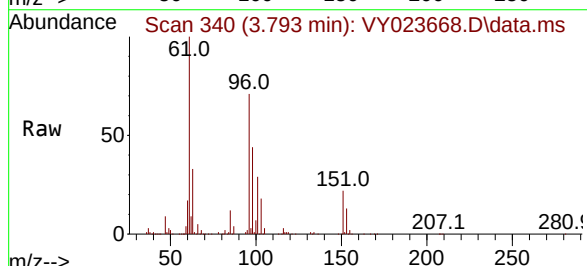
Tgt Ion: 96 Resp: 261851

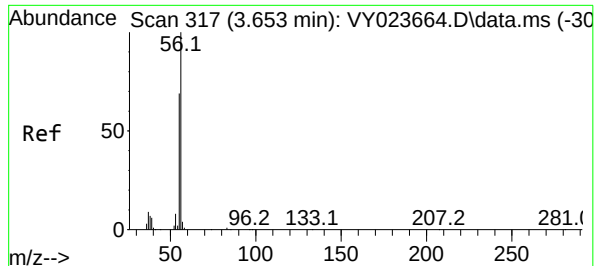
Ion Ratio Lower Upper

96 100

61 141.1 114.0 171.0

98 62.6 50.2 75.2





#13

Acrolein

Concen: 213.558 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 56 Resp: 9181

Ion Ratio Lower Upper

56 100

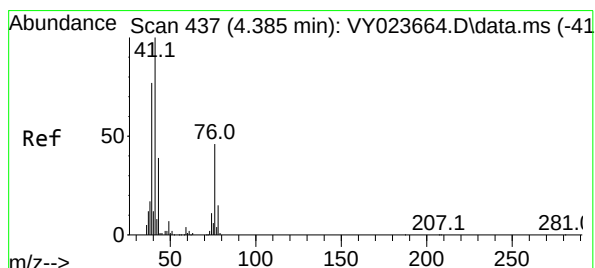
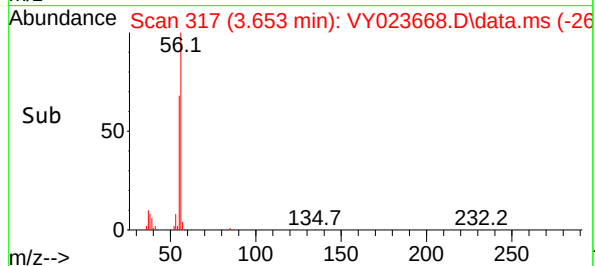
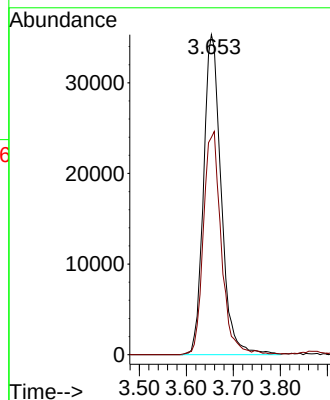
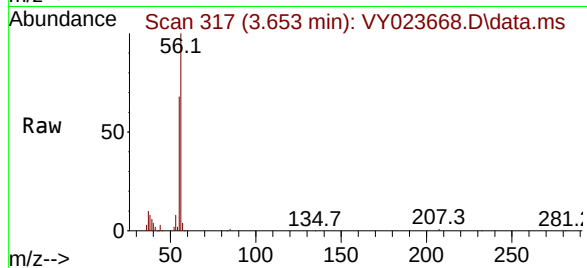
55 70.1 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 50.006 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

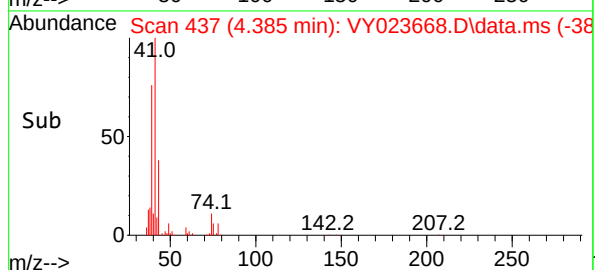
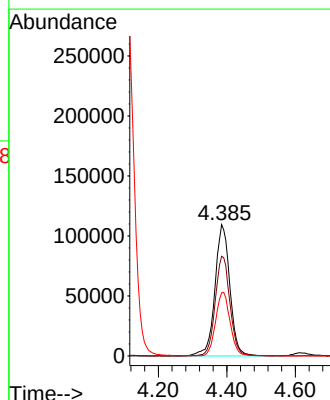
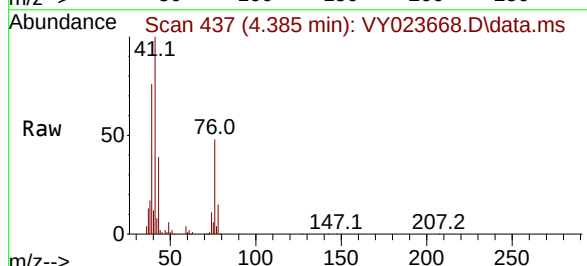
Tgt Ion: 41 Resp: 330702

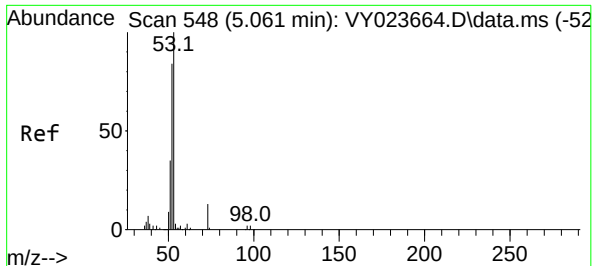
Ion Ratio Lower Upper

41 100

39 74.9 60.4 90.6

76 46.9 38.0 57.0





#15

Acrylonitrile

Concen: 245.434 ug/l

RT: 5.062 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023668.D

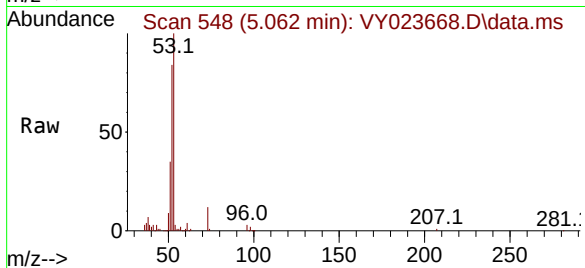
Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425



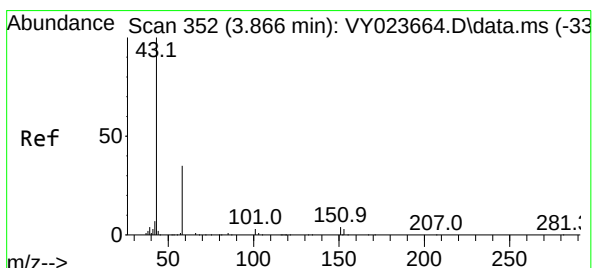
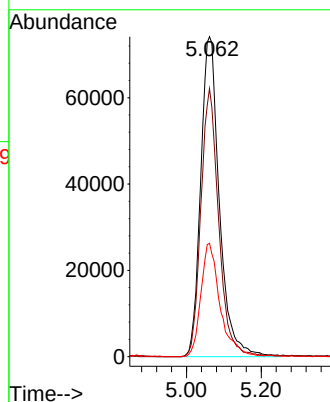
Tgt Ion:	53	Resp:	25749
Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.9	97.3
51	36.4	29.4	44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

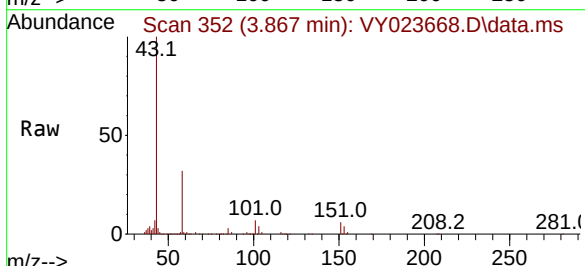
Concen: 228.644 ug/l

RT: 3.867 min Scan# 352

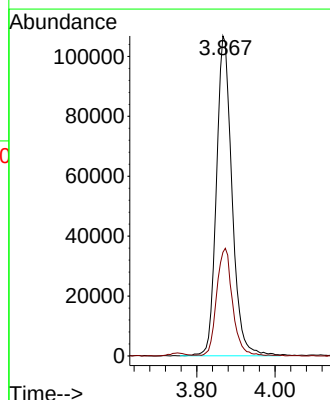
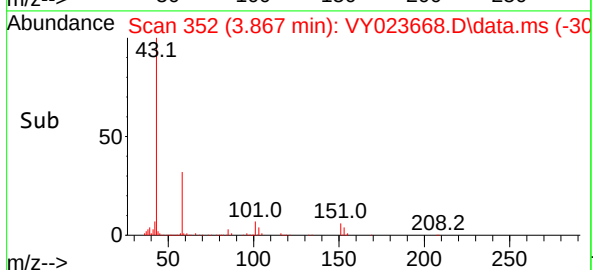
Delta R.T. 0.000 min

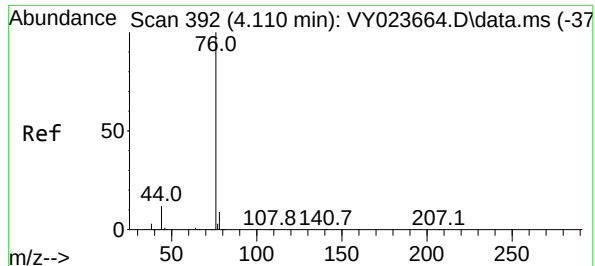
Lab File: VY023668.D

Acq: 04 Nov 2025 12:14



Tgt Ion:	43	Resp:	294814
Ion	Ratio	Lower	Upper
43	100		
58	32.3	28.2	42.4





#17

Carbon Disulfide

Concen: 47.235 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 76 Resp: 78769

Ion Ratio Lower Upper

76 100

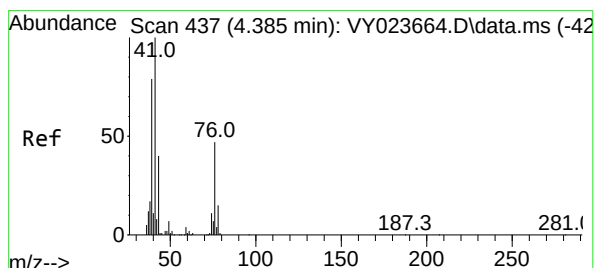
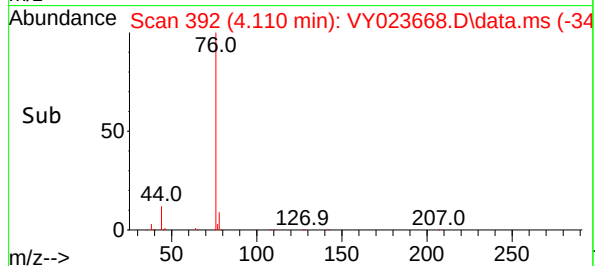
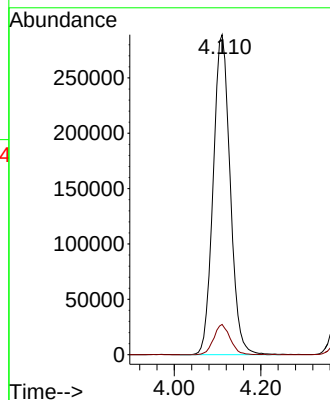
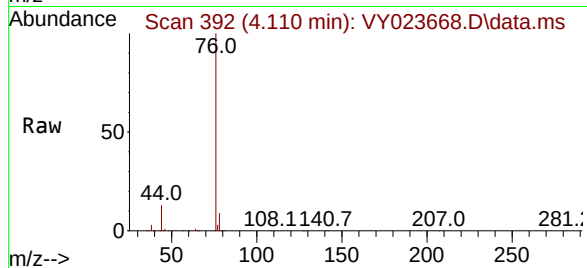
78 9.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 44.328 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023668.D

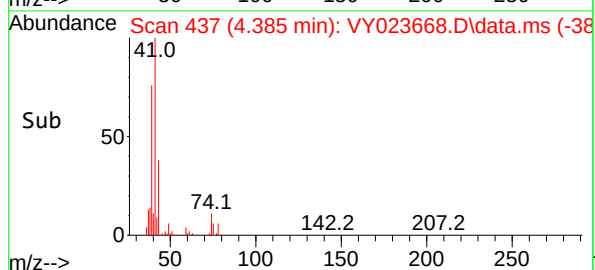
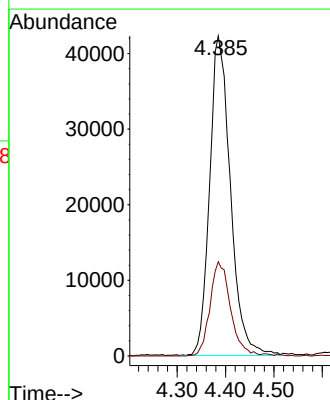
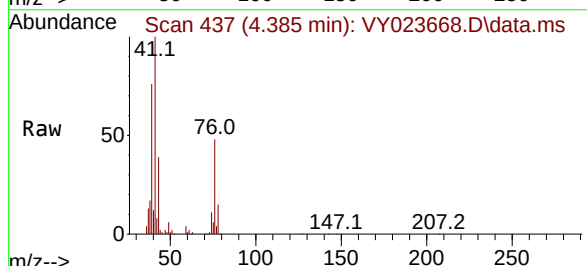
Acq: 04 Nov 2025 12:14

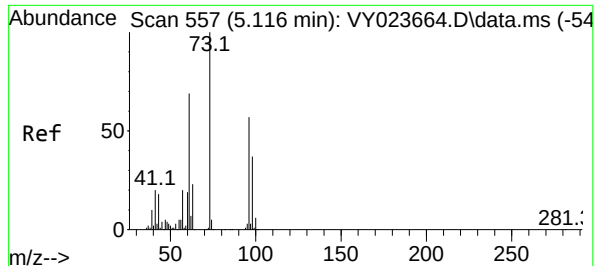
Tgt Ion: 43 Resp: 126071

Ion Ratio Lower Upper

43 100

74 29.0 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 51.062 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 73 Resp: 643310

Ion Ratio Lower Upper

73 100

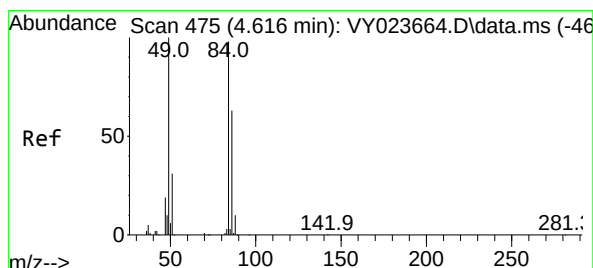
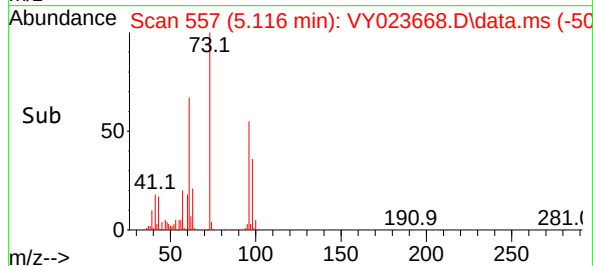
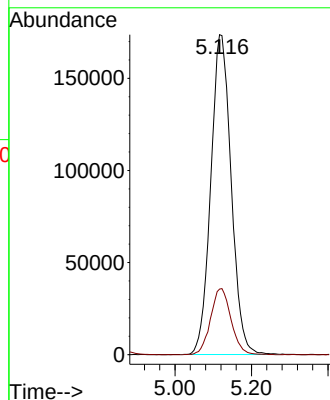
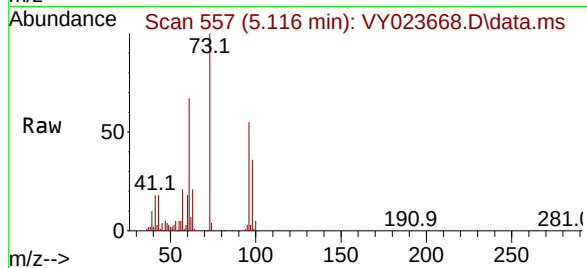
57 20.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 45.791 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion: 84 Resp: 285026

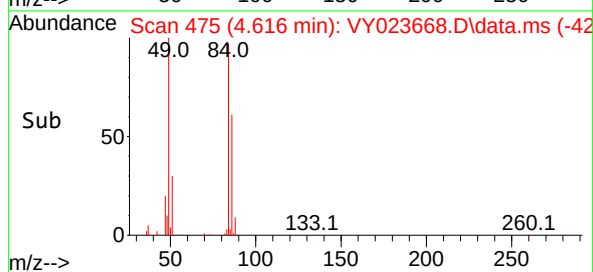
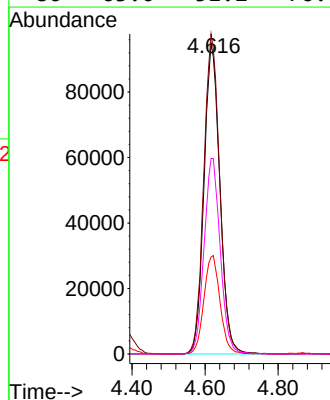
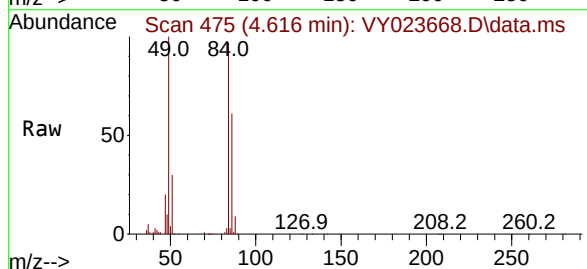
Ion Ratio Lower Upper

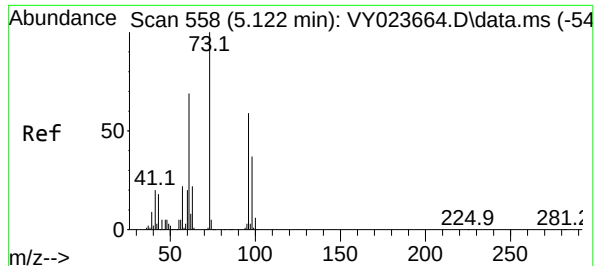
84 100

49 103.0 81.5 122.3

51 31.2 25.5 38.3

86 63.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.048 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 96 Resp: 30047

Ion Ratio Lower Upper

96 100

61 117.1 93.3 139.9

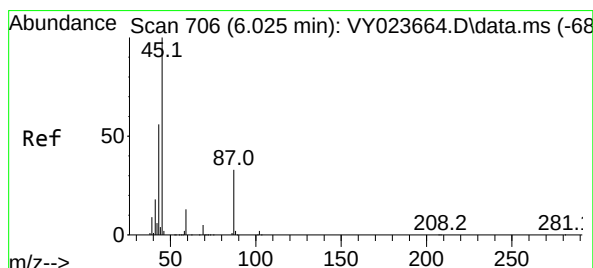
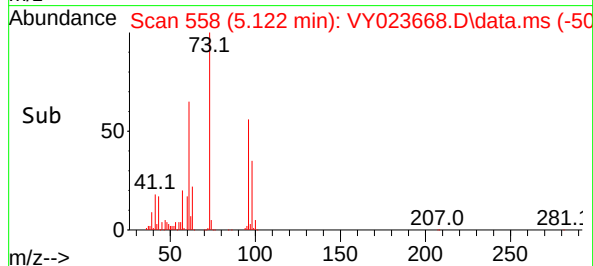
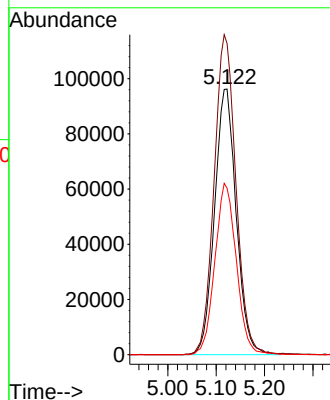
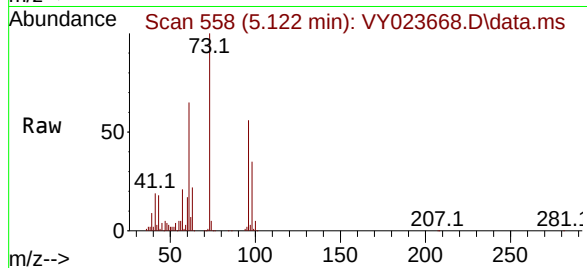
98 62.6 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 51.273 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion: 45 Resp: 755561

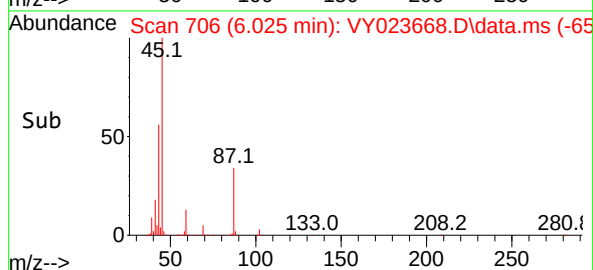
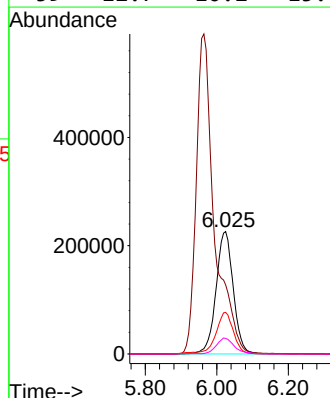
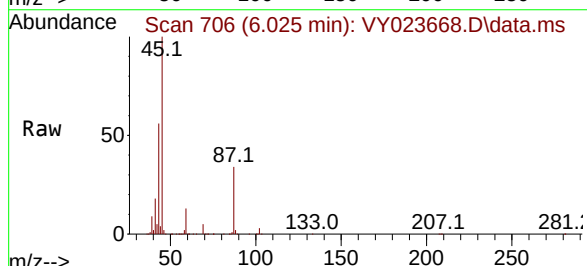
Ion Ratio Lower Upper

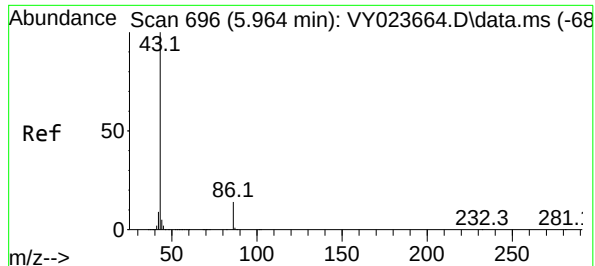
45 100

43 56.2 44.7 67.1

87 34.0 27.2 40.8

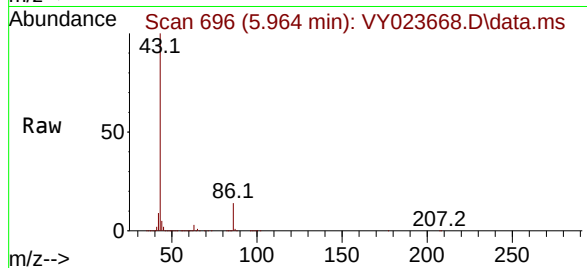
59 12.7 10.2 15.4





#23
Vinyl Acetate
Concen: 264.163 ug/l
RT: 5.964 min Scan# 696
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

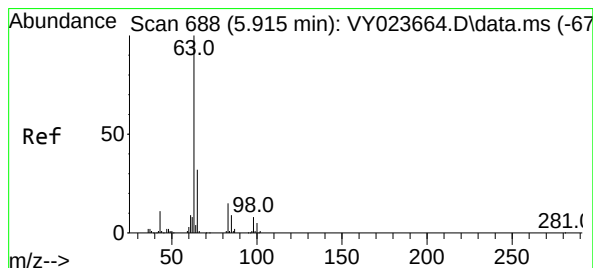
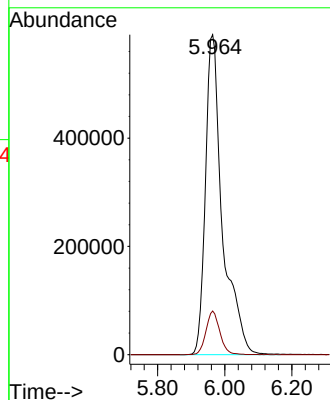
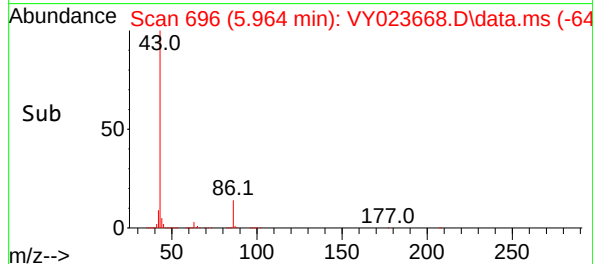
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



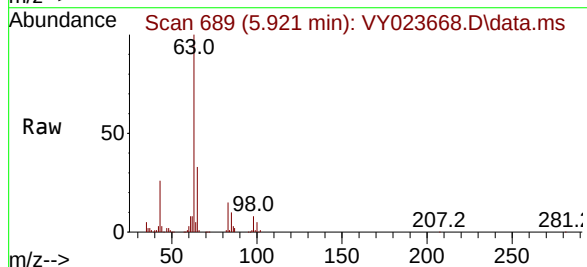
Tgt Ion: 43 Resp: 207732
Ion Ratio Lower Upper
43 100
86 13.7 10.9 16.3

Manual Integrations
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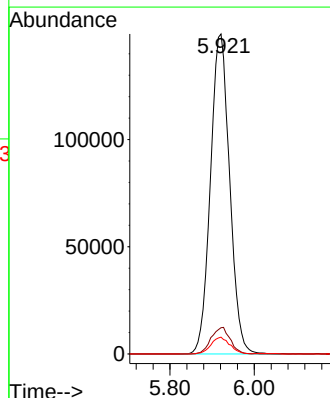
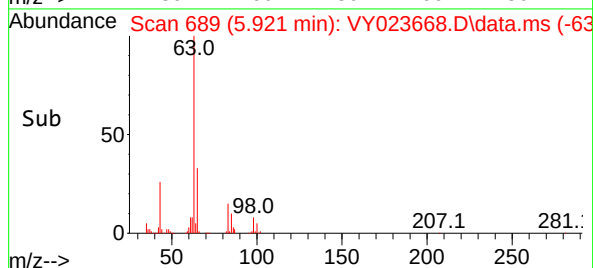
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

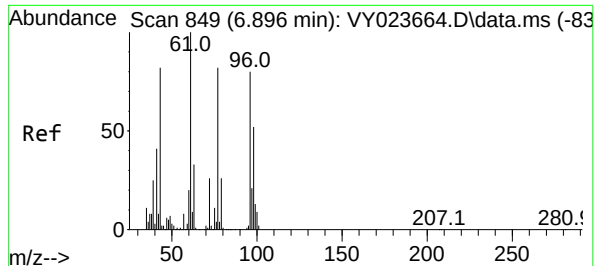


#24
1,1-Dichloroethane
Concen: 48.064 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



Tgt Ion: 63 Resp: 471845
Ion Ratio Lower Upper
63 100
98 8.2 4.0 11.9
100 5.3 2.6 7.8





#25

2-Butanone

Concen: 236.507 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 43 Resp: 35258

Ion Ratio Lower Upper

43 100

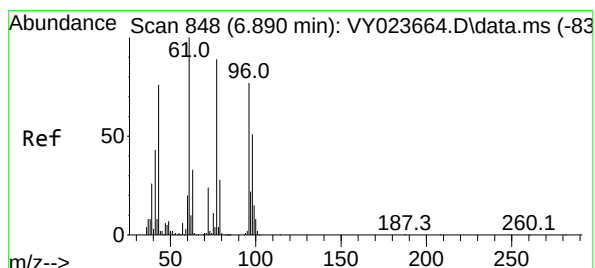
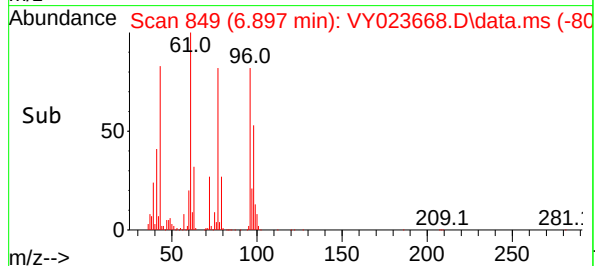
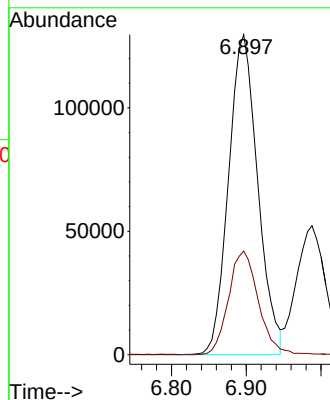
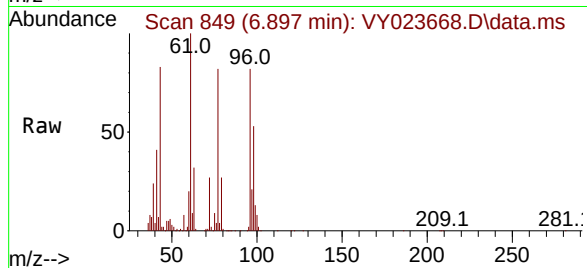
72 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 48.402 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023668.D

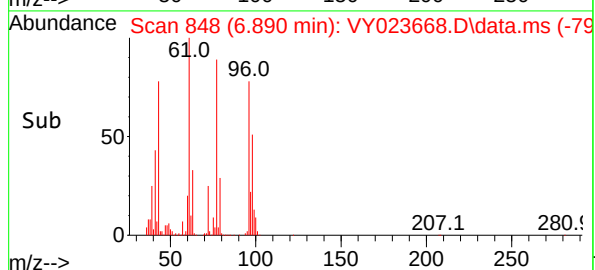
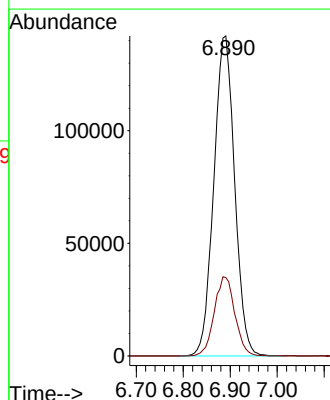
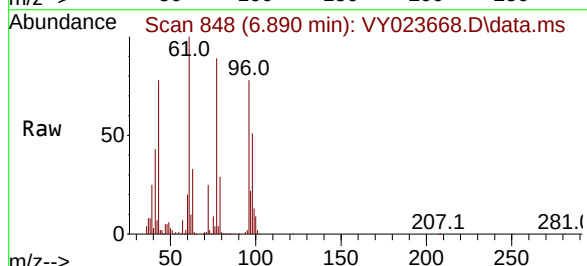
Acq: 04 Nov 2025 12:14

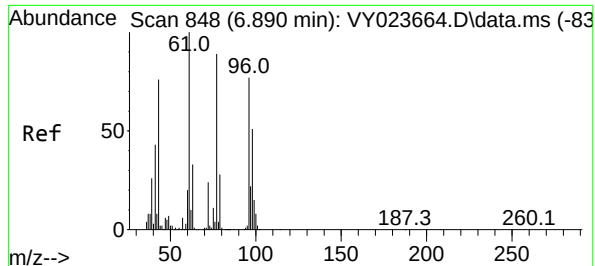
Tgt Ion: 77 Resp: 437078

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 49.682 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 96 Resp: 34760

Ion Ratio Lower Upper

96 100

61 128.3 0.0 255.0

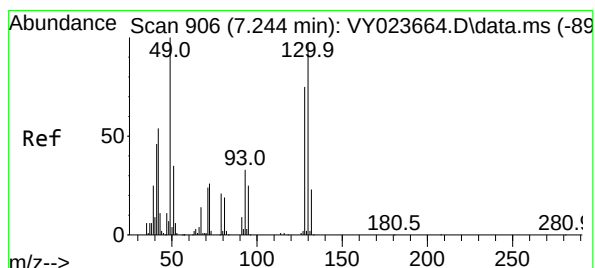
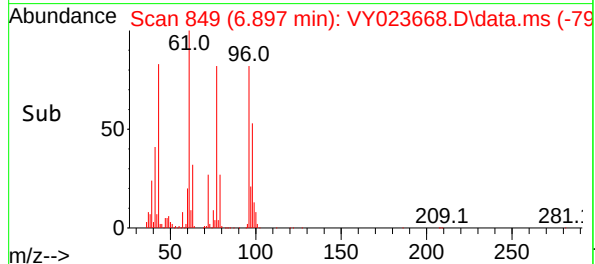
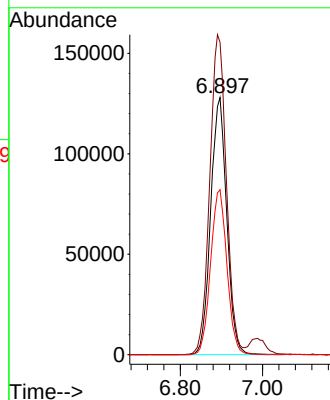
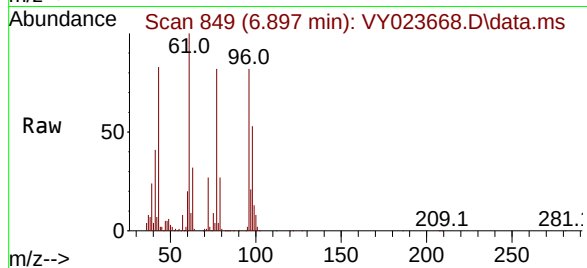
98 65.1 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 46.849 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

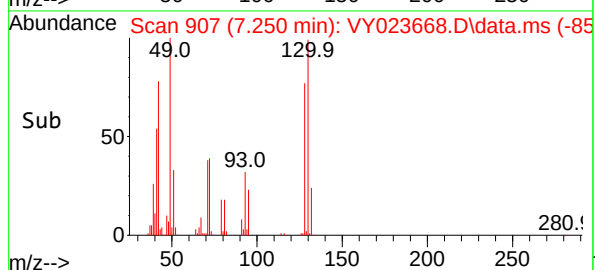
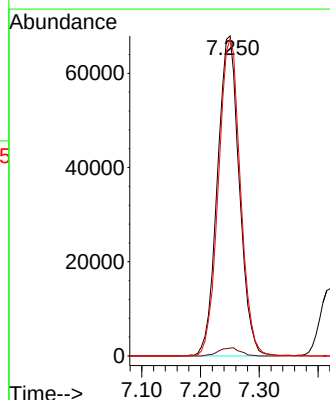
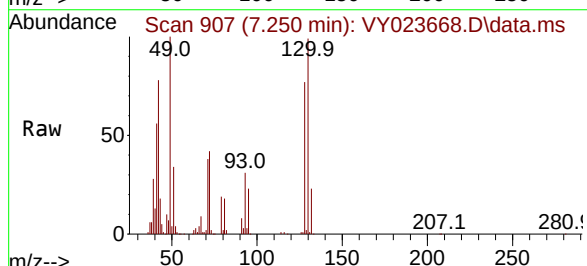
Tgt Ion: 49 Resp: 176101

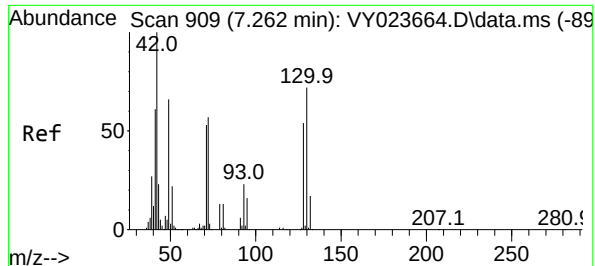
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

130 98.8 80.1 120.1





#29

Tetrahydrofuran

Concen: 250.229 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 42 Resp: 19866

Ion Ratio Lower Upper

42 100

72 54.9 43.4 65.2

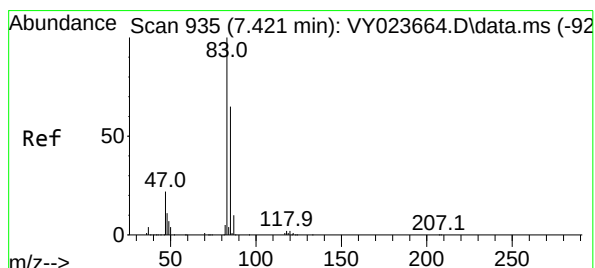
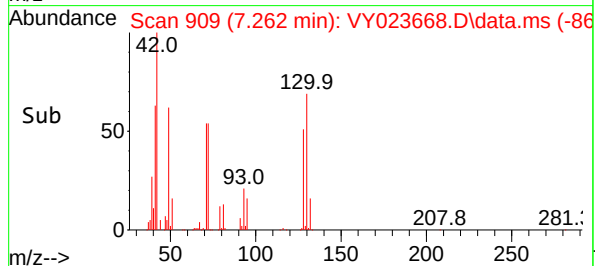
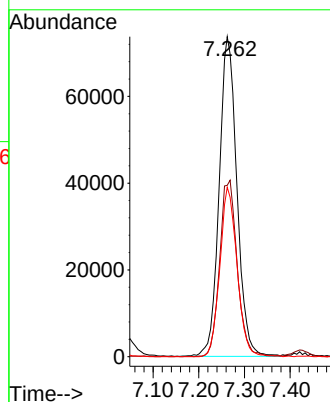
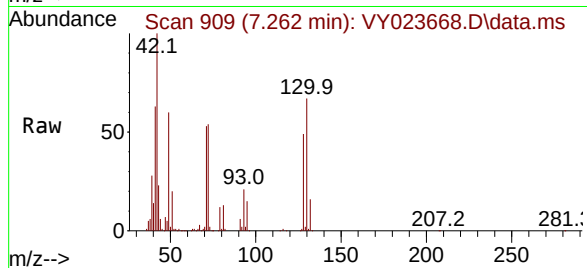
71 51.4 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 47.888 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023668.D

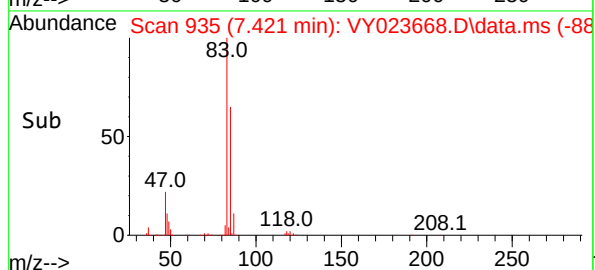
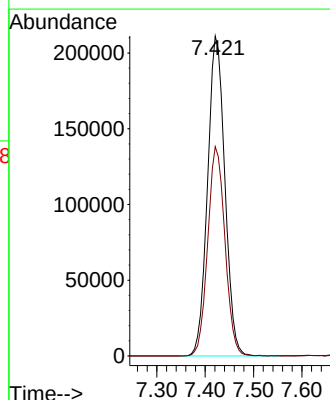
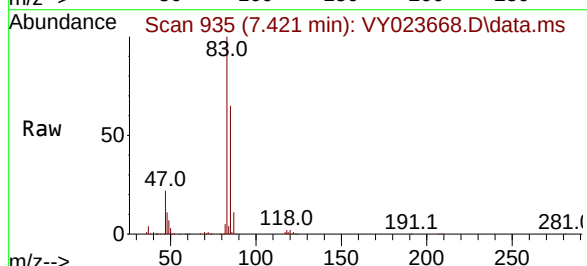
Acq: 04 Nov 2025 12:14

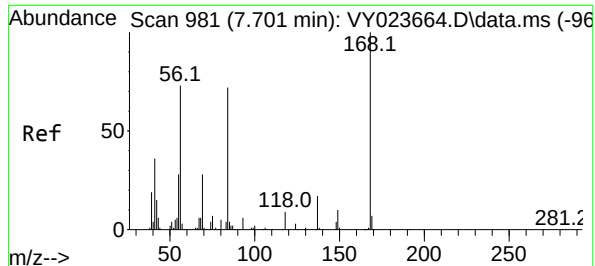
Tgt Ion: 83 Resp: 524526

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1





#31

Cyclohexane

Concen: 48.520 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 56 Resp: 41480

Ion Ratio Lower Upper

56 100

69 36.0 30.5 45.7

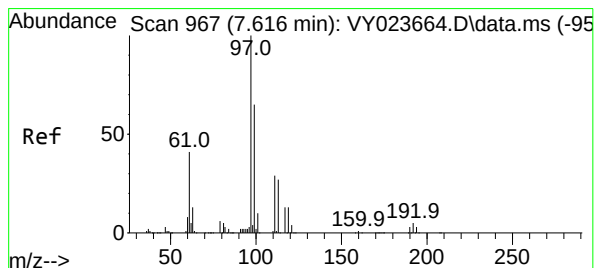
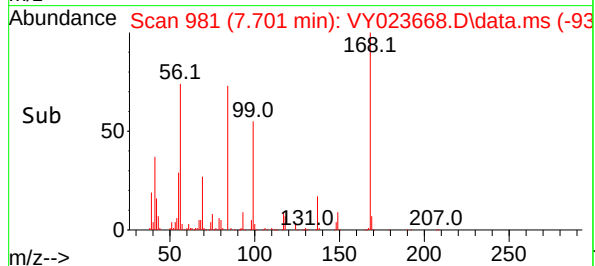
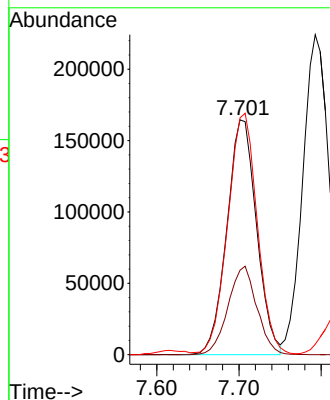
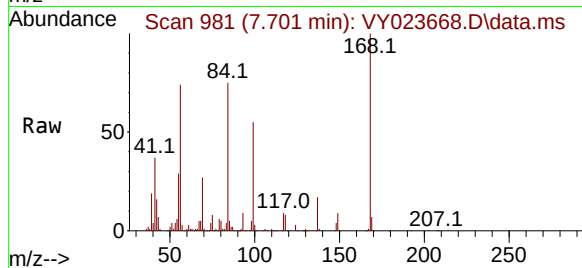
84 99.5 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 48.137 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

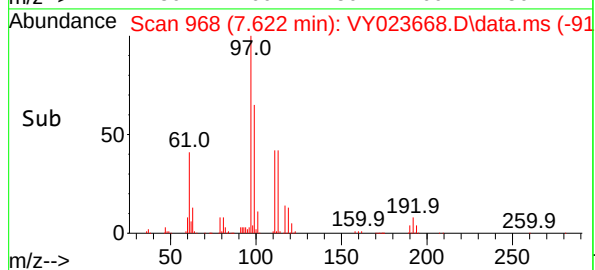
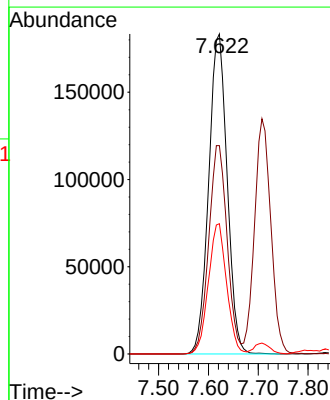
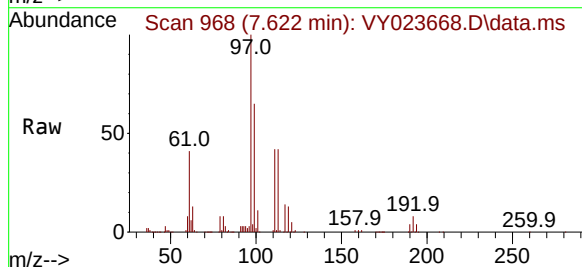
Tgt Ion: 97 Resp: 471242

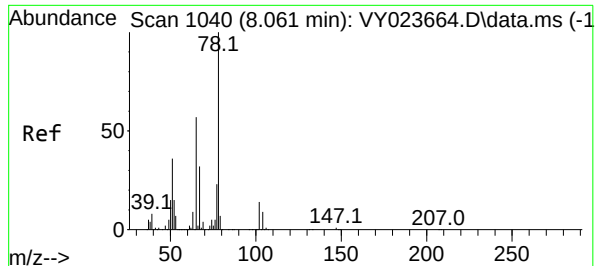
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 40.4 32.5 48.7





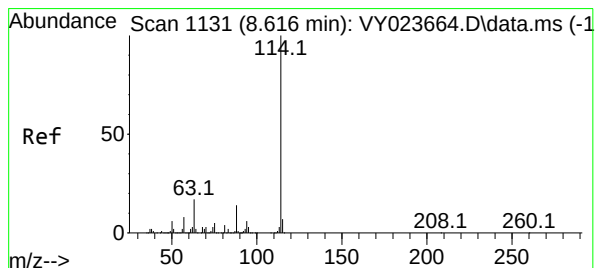
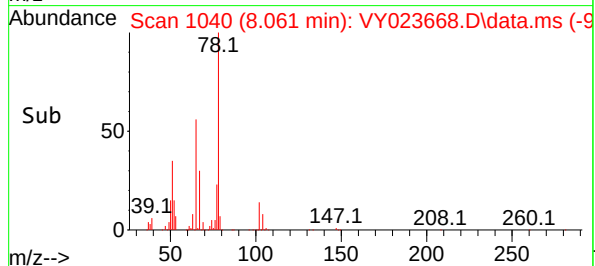
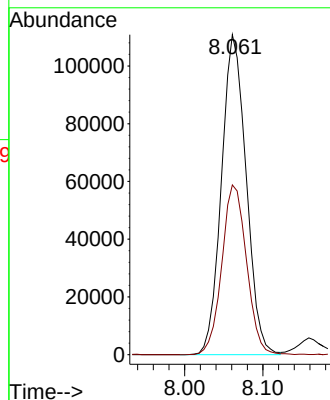
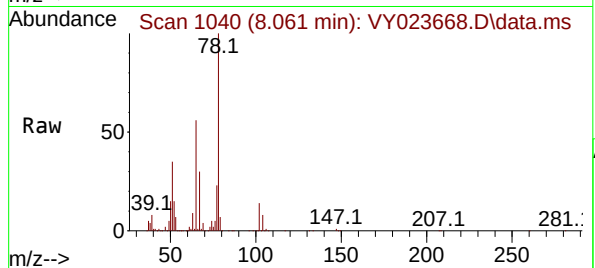
#33
1,2-Dichloroethane-d4
Concen: 46.805 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion: 65 Resp: 24279
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4

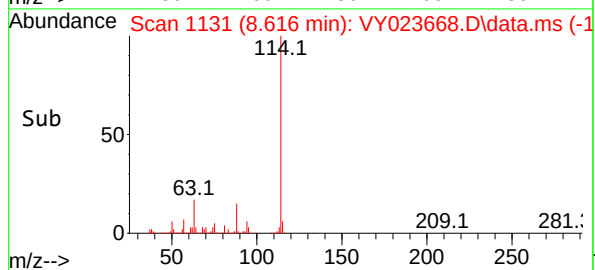
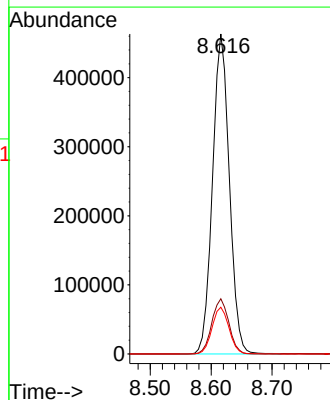
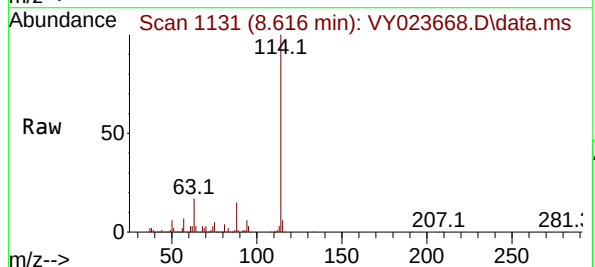
Manual Integrations
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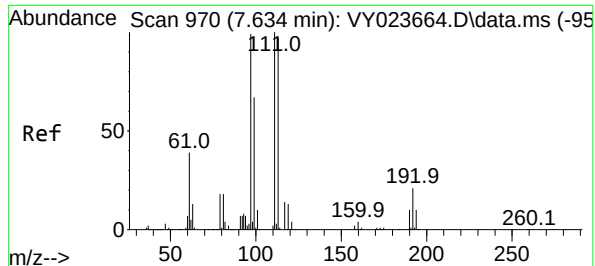
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion:114 Resp: 888282
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.8
88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.291 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion:113 Resp: 268074

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

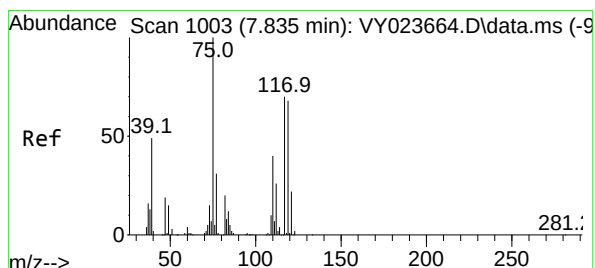
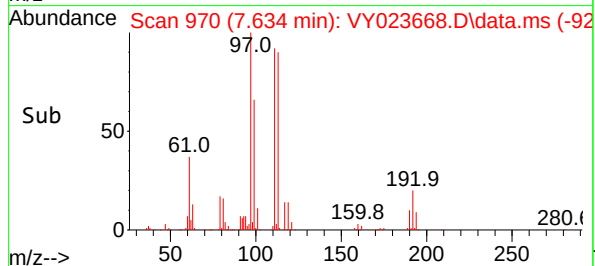
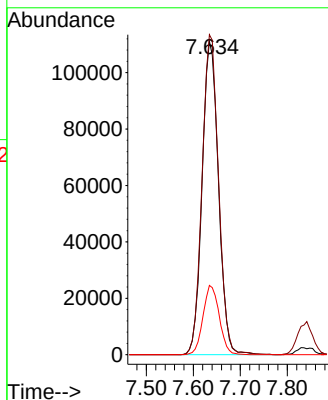
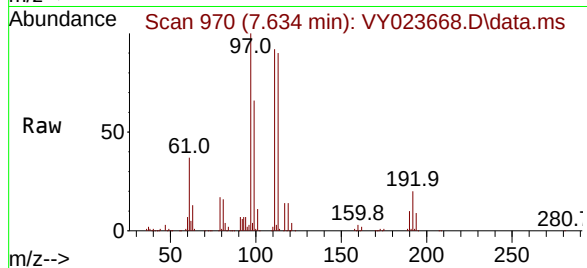
192 21.9 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 49.878 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

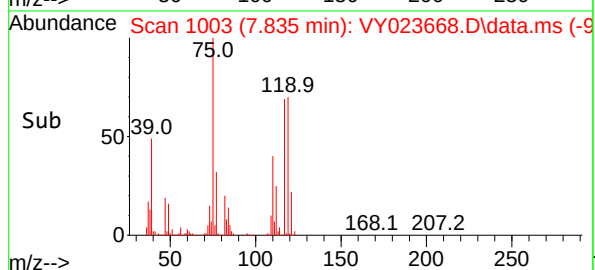
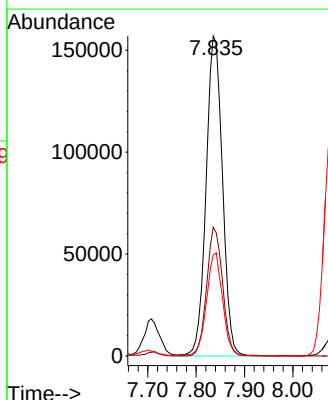
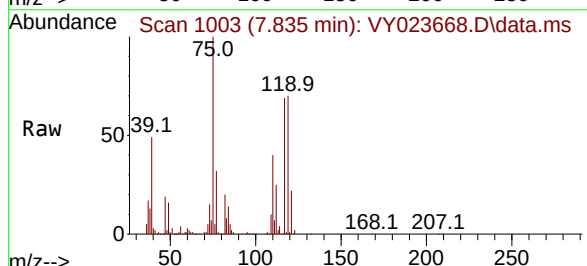
Tgt Ion: 75 Resp: 369989

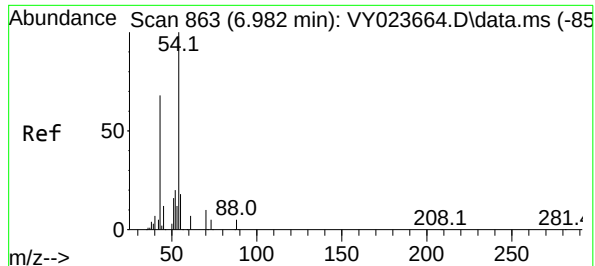
Ion Ratio Lower Upper

75 100

110 39.0 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 50.997 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 43 Resp: 14644

Ion Ratio Lower Upper

43 100

61 15.8 12.4 18.6

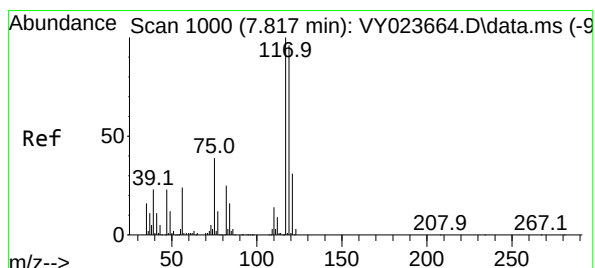
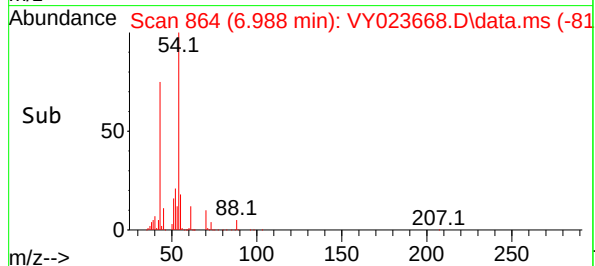
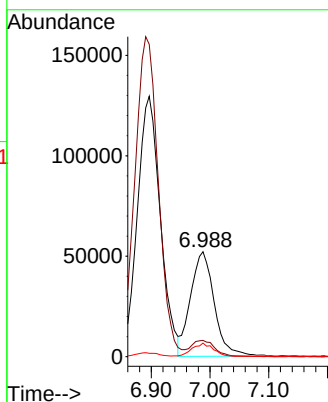
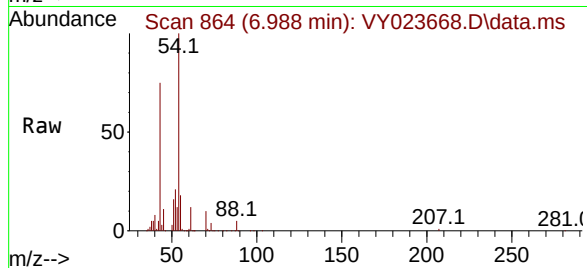
70 11.5 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 49.462 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

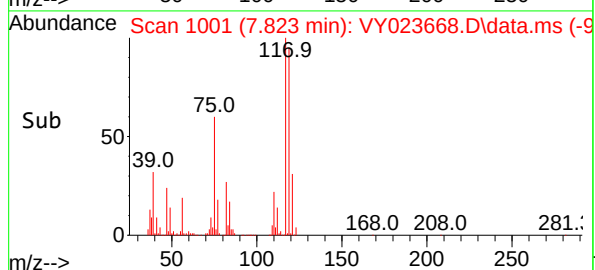
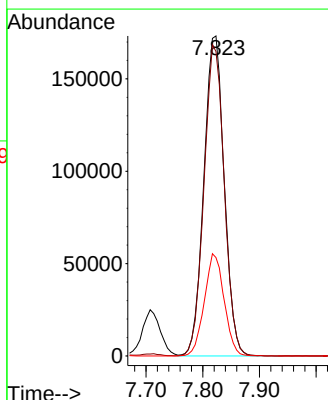
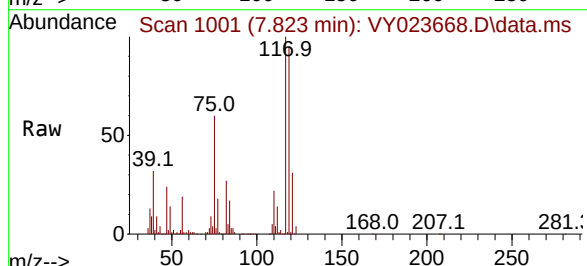
Tgt Ion:117 Resp: 432288

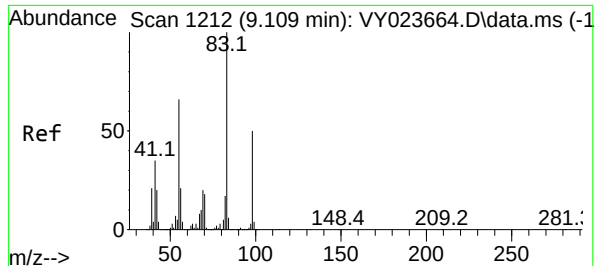
Ion Ratio Lower Upper

117 100

119 95.2 76.3 114.5

121 30.7 24.8 37.2





#39

Methylcyclohexane

Concen: 52.876 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 83 Resp: 501162

Ion Ratio Lower Upper

83 100

55 67.7 52.6 78.8

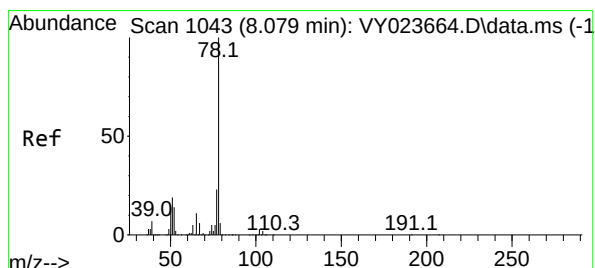
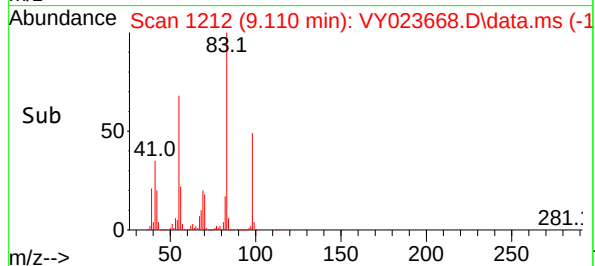
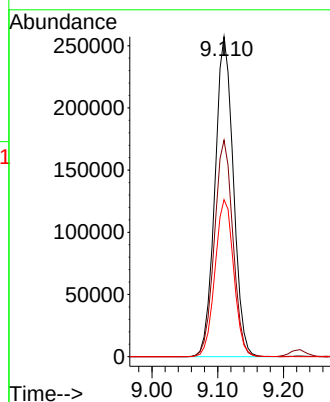
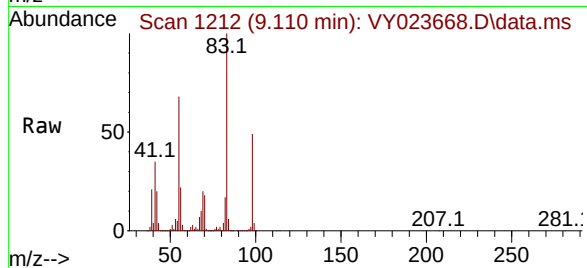
98 49.0 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 49.773 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023668.D

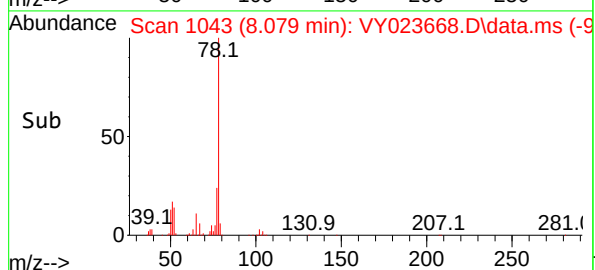
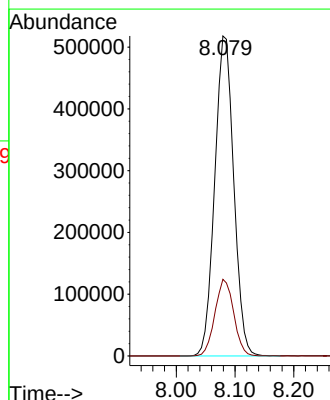
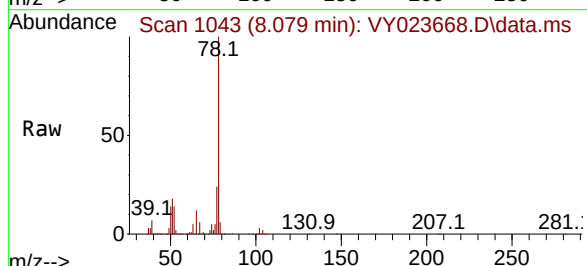
Acq: 04 Nov 2025 12:14

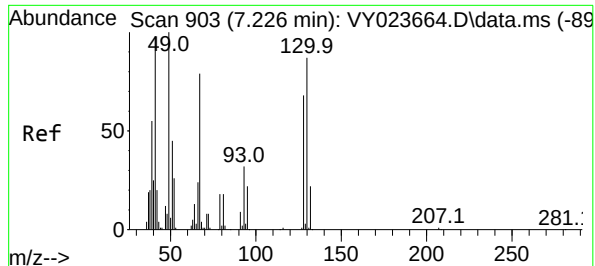
Tgt Ion: 78 Resp: 1163766

Ion Ratio Lower Upper

78 100

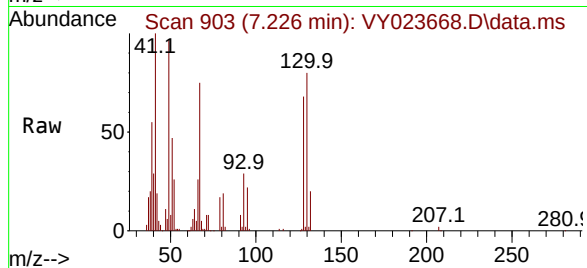
77 23.9 18.8 28.2





#41
Methacrylonitrile
Concen: 43.412 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

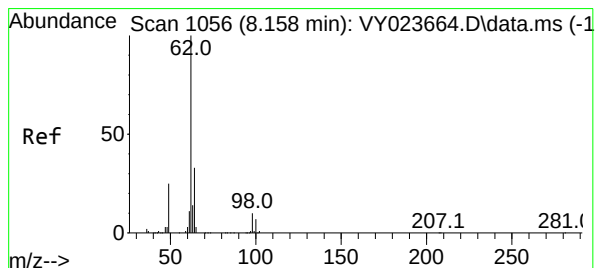
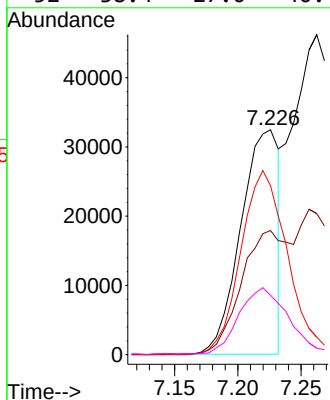
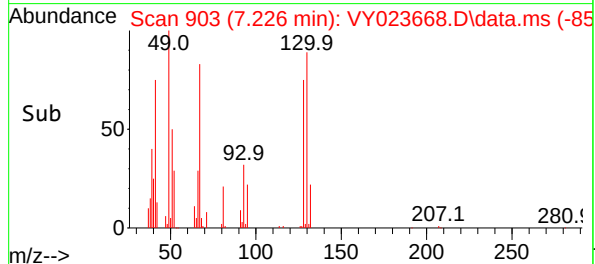
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



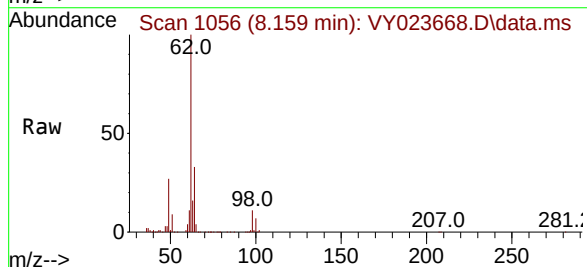
Tgt Ion: 41 Resp: 68040
Ion Ratio Lower Upper
41 100
39 72.7 38.6 57.8
67 101.3 71.3 106.9
52 38.4 27.0 40.4

Manual Integrations
APPROVED

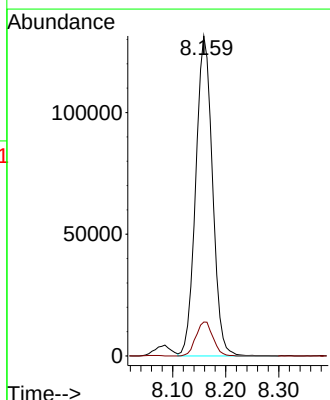
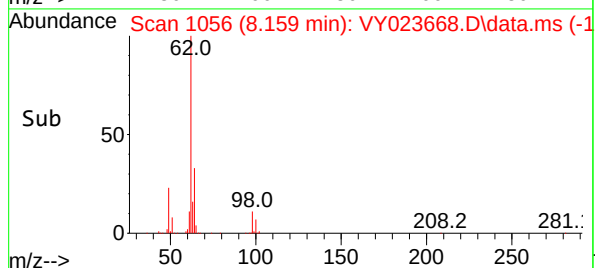
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

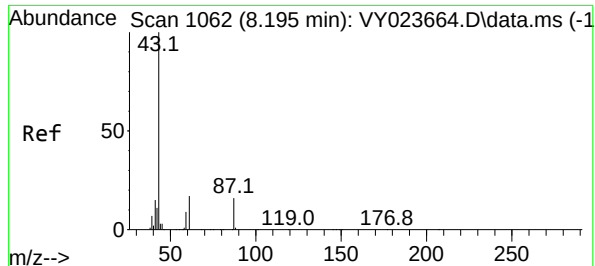


#42
1,2-Dichloroethane
Concen: 48.630 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



Tgt Ion: 62 Resp: 287665
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 51.490 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 43 Resp: 277810

Ion Ratio Lower Upper

43 100

61 33.2 18.2 27.2

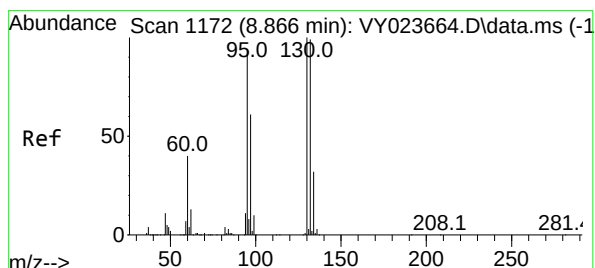
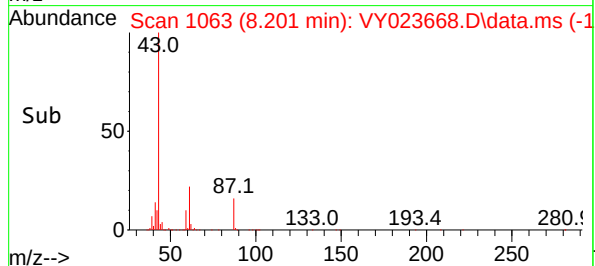
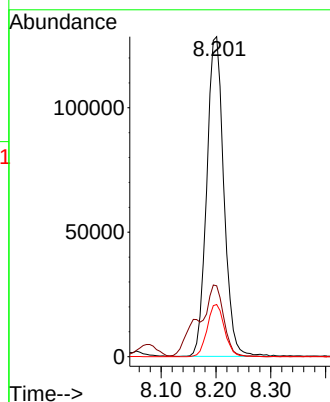
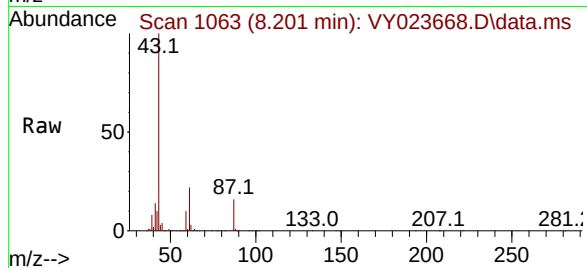
87 16.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 48.741 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023668.D

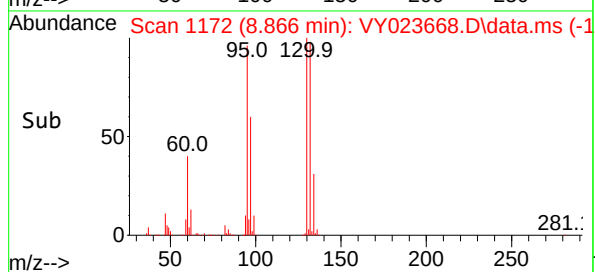
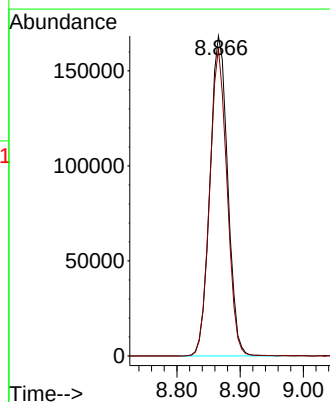
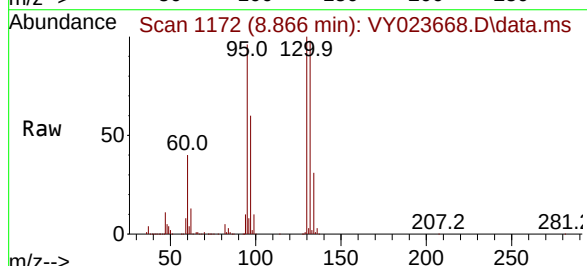
Acq: 04 Nov 2025 12:14

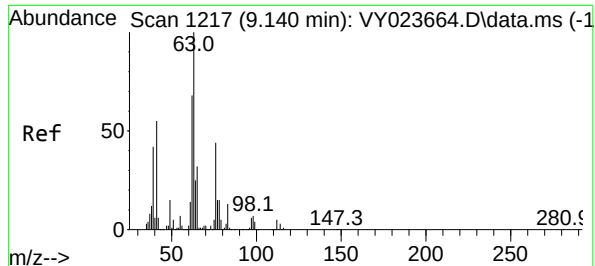
Tgt Ion:130 Resp: 327327

Ion Ratio Lower Upper

130 100

95 96.2 0.0 187.0





#45

1,2-Dichloropropane

Concen: 49.835 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 63 Resp: 25716

Ion Ratio Lower Upper

63 100

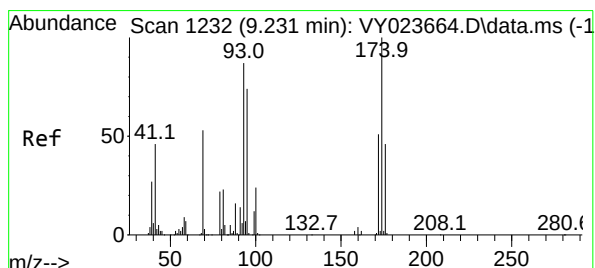
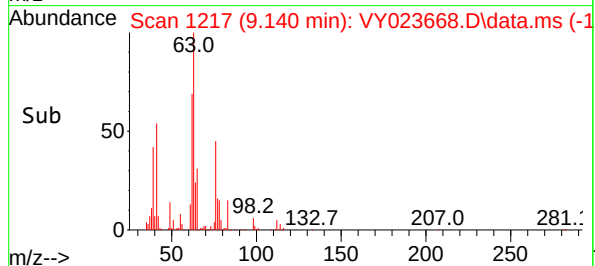
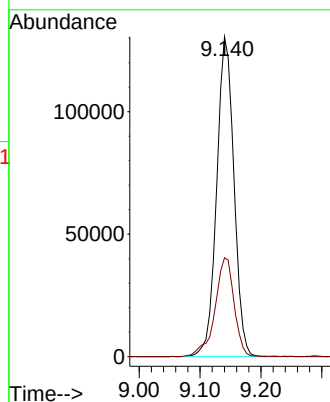
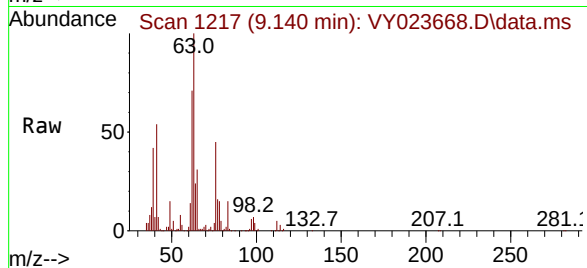
65 30.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 49.780 ug/l

RT: 9.232 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

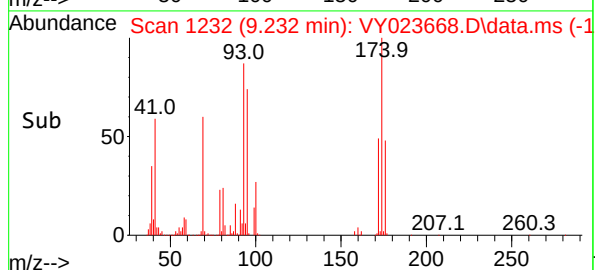
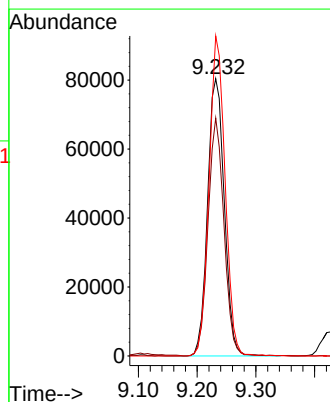
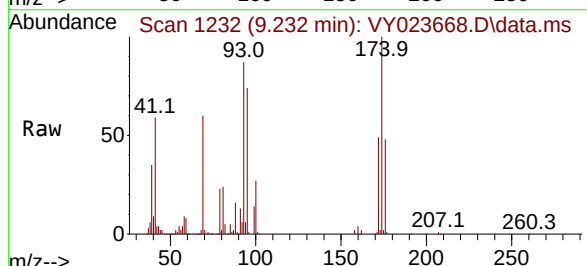
Tgt Ion: 93 Resp: 159165

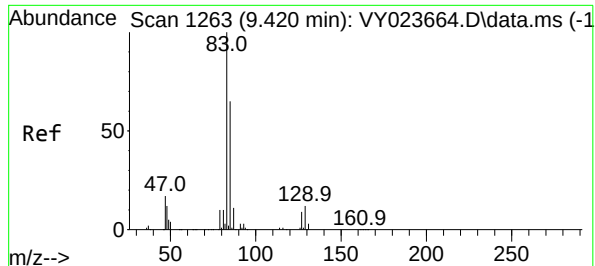
Ion Ratio Lower Upper

93 100

95 81.9 67.4 101.2

174 110.6 89.4 134.0





#47

Bromodichloromethane

Concen: 49.512 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 83 Resp: 39913

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1

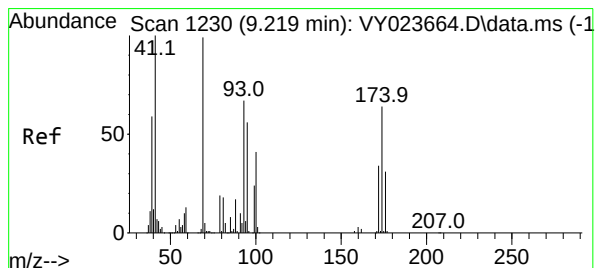
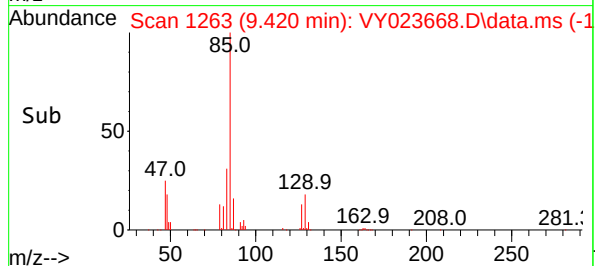
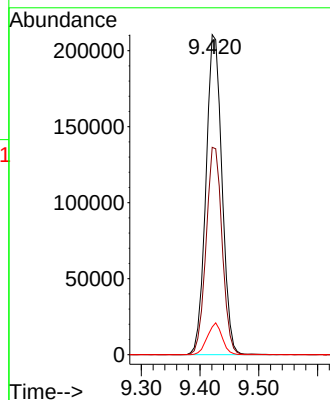
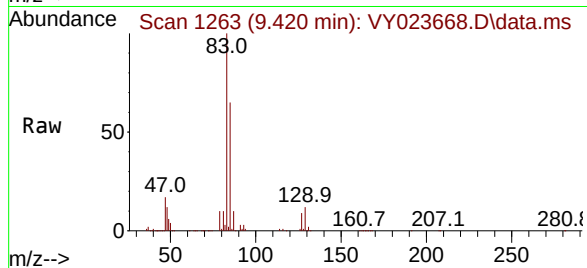
127 8.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 53.056 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

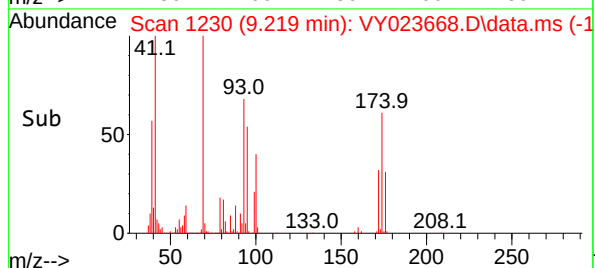
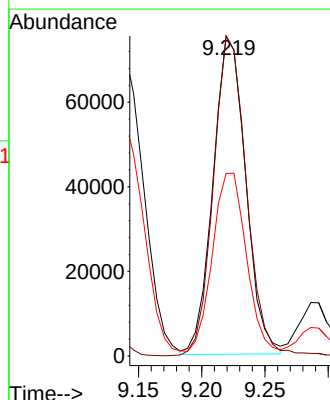
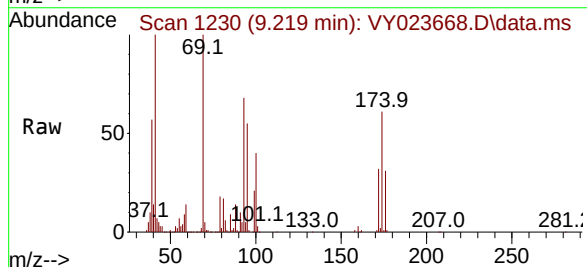
Tgt Ion: 41 Resp: 135247

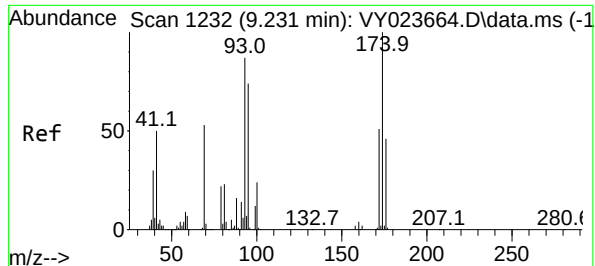
Ion Ratio Lower Upper

41 100

69 101.2 80.2 120.2

39 57.7 47.4 71.0





#49

1,4-Dioxane

Concen: 1001.883 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 88 Resp: 3278

Ion Ratio Lower Upper

88 100

43 27.9 22.0 33.0

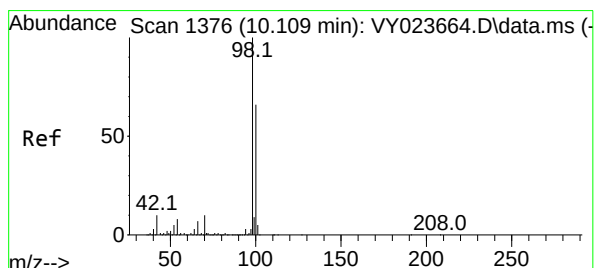
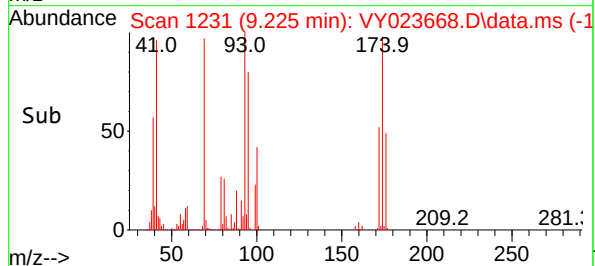
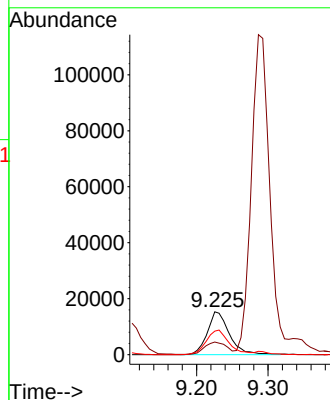
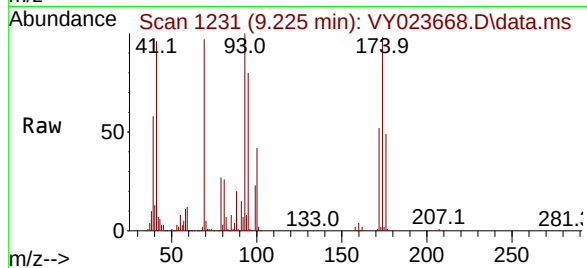
58 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 50.309 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023668.D

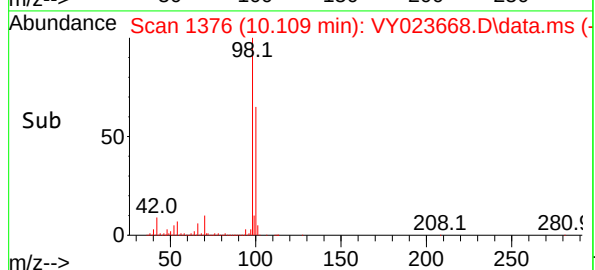
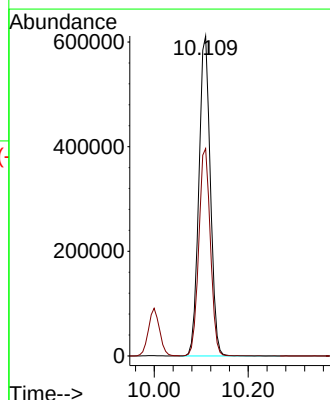
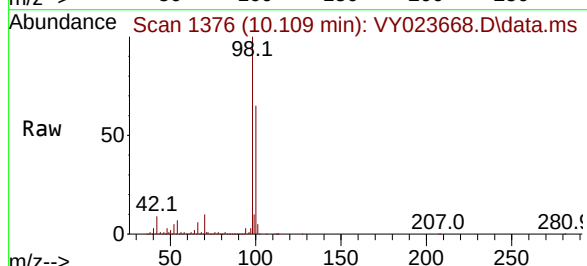
Acq: 04 Nov 2025 12:14

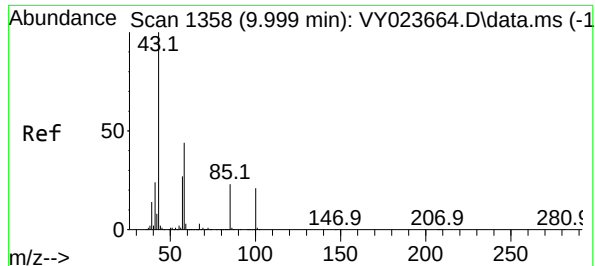
Tgt Ion: 98 Resp: 1040318

Ion Ratio Lower Upper

98 100

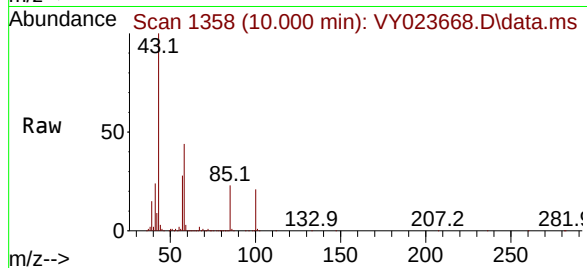
100 65.5 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 257.714 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

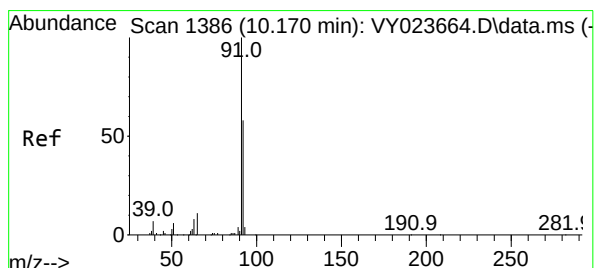
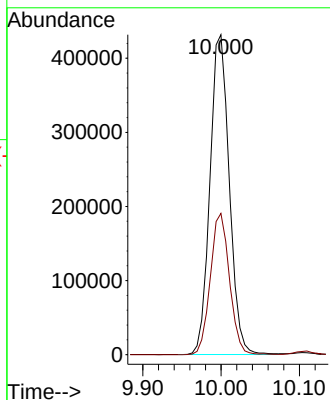
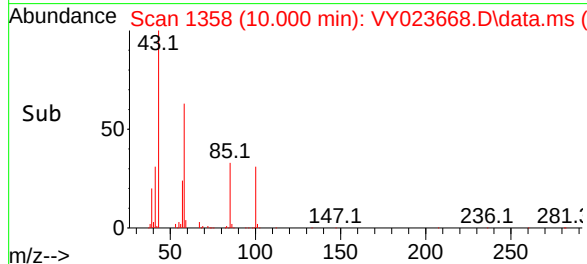
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 43 Resp: 73946
Ion Ratio Lower Upper
43 100
58 43.8 34.8 52.2

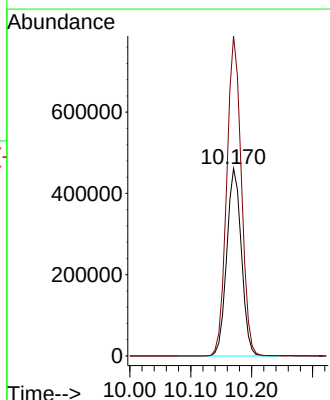
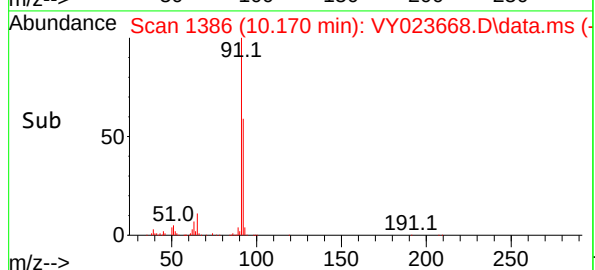
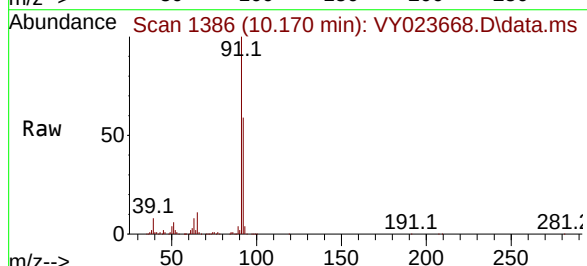
Manual Integrations
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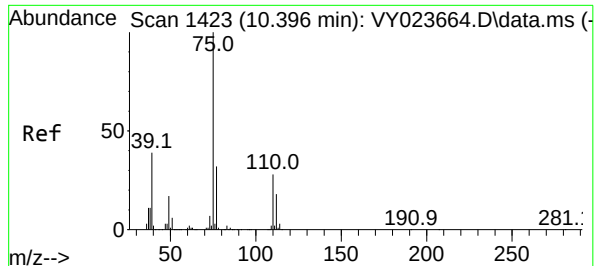
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 51.540 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 92 Resp: 769370
Ion Ratio Lower Upper
92 100
91 170.0 137.8 206.8





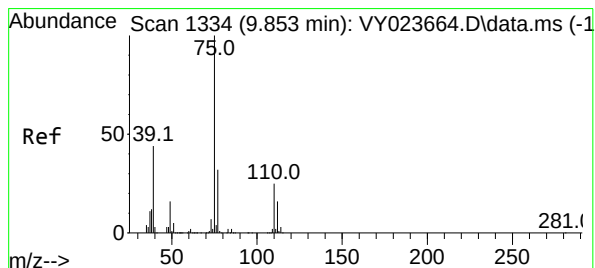
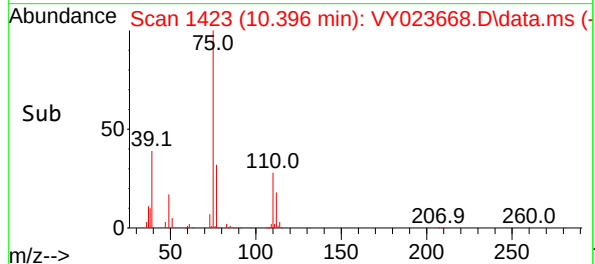
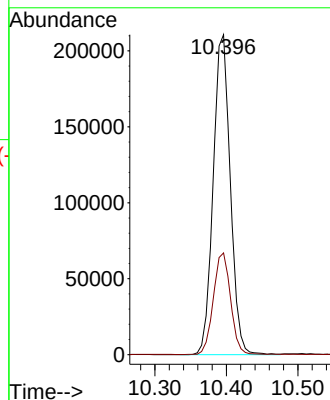
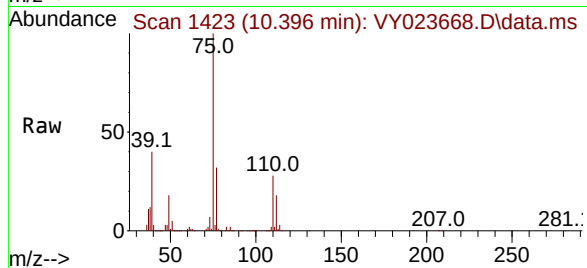
#53
t-1,3-Dichloropropene
Concen: 51.286 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion: 75 Resp: 349820
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

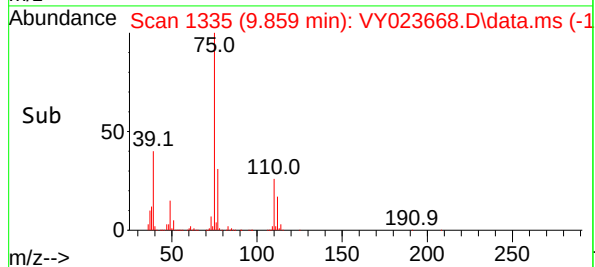
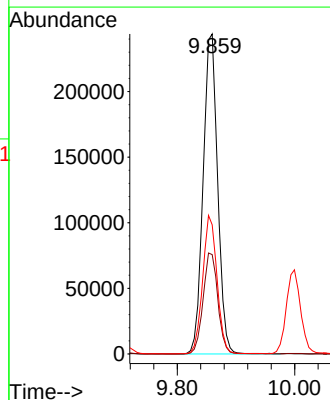
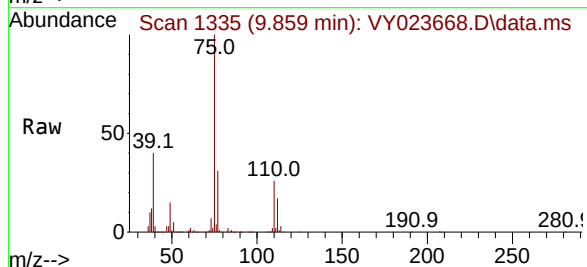
Manual Integrations
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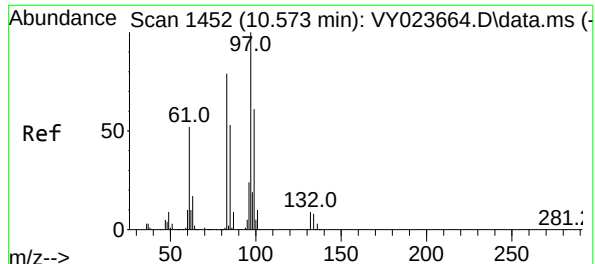
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 51.251 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

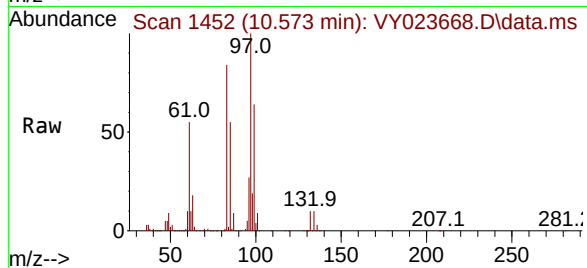
Tgt Ion: 75 Resp: 418833
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 40.2 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 49.096 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

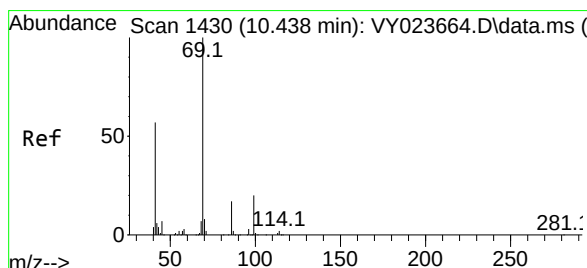
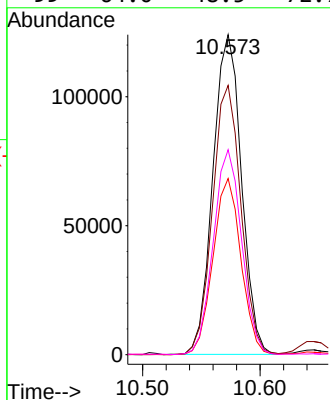
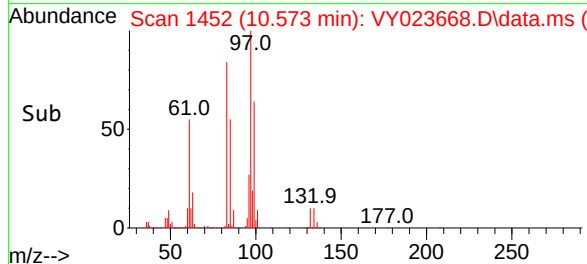
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 97 Resp: 20978
Ion Ratio Lower Upper
97 100
83 84.1 63.3 94.9
85 55.0 42.4 63.6
99 64.0 48.5 72.7

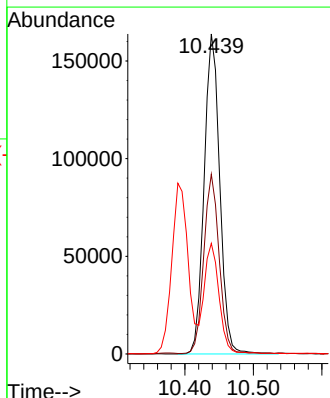
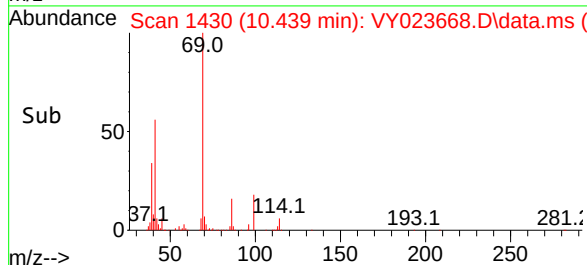
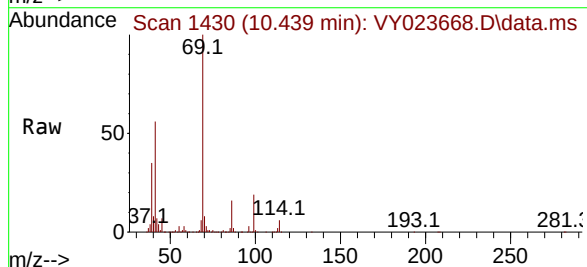
Manual Integrations
APPROVED

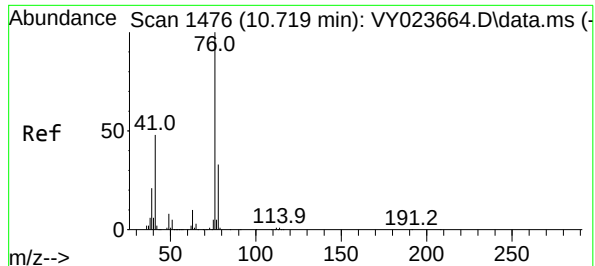
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 55.214 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

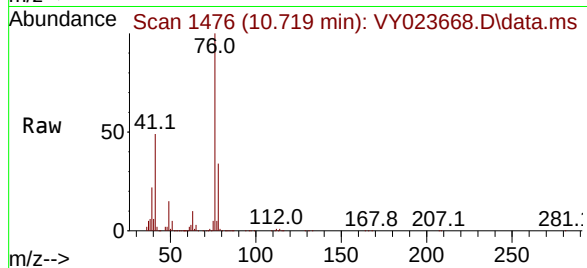
Tgt Ion: 69 Resp: 259940
Ion Ratio Lower Upper
69 100
41 55.1 45.0 67.4
39 31.9 25.1 37.7





#57
1,3-Dichloropropane
Concen: 49.813 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

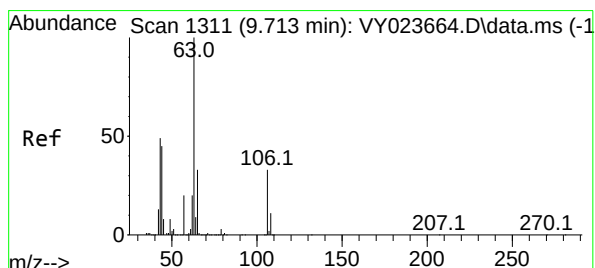
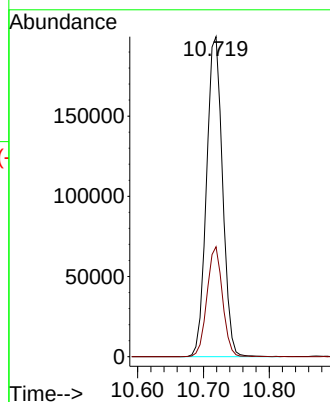
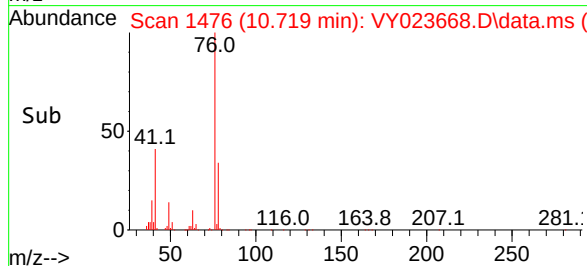
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 76 Resp: 33761
Ion Ratio Lower Upper
76 100
78 33.4 26.0 39.0

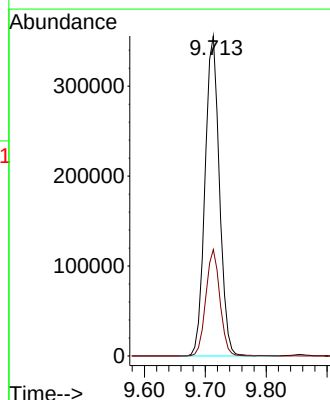
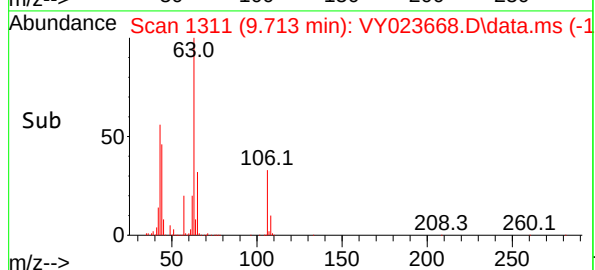
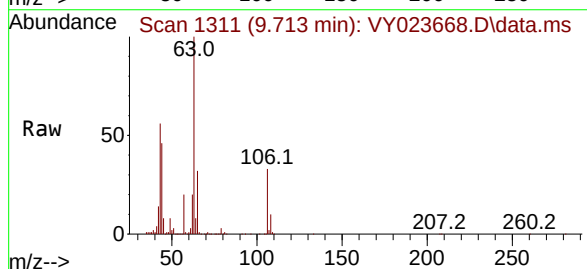
Manual Integrations
APPROVED

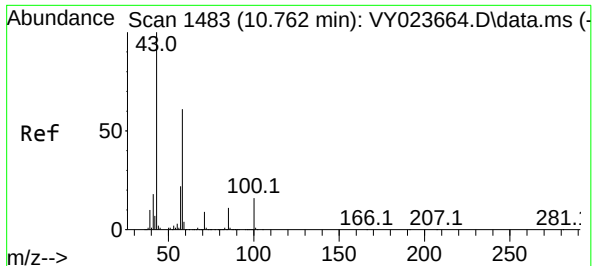
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 271.549 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

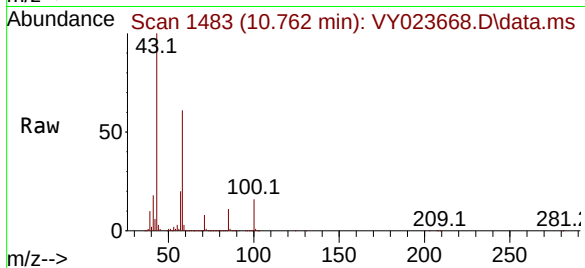
Tgt Ion: 63 Resp: 586635
Ion Ratio Lower Upper
63 100
106 32.5 26.2 39.2





#59
2-Hexanone
Concen: 256.278 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

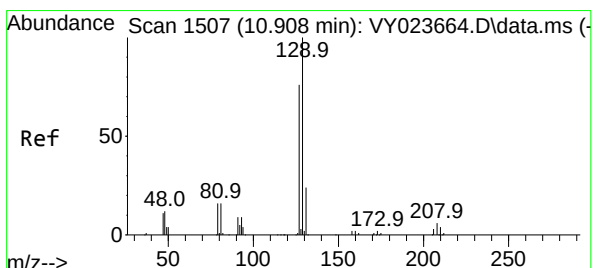
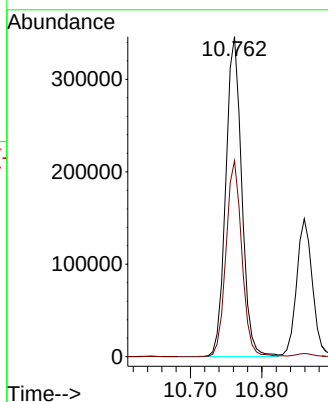
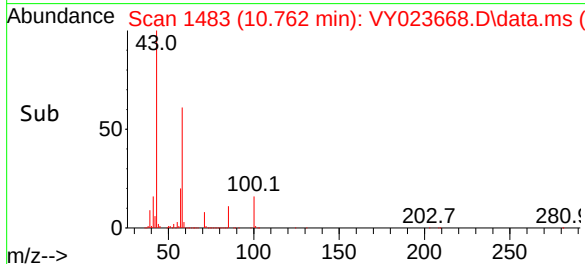
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 43 Resp: 536488
Ion Ratio Lower Upper
43 100
58 60.7 30.2 90.6

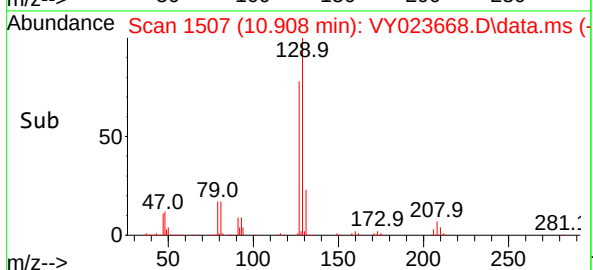
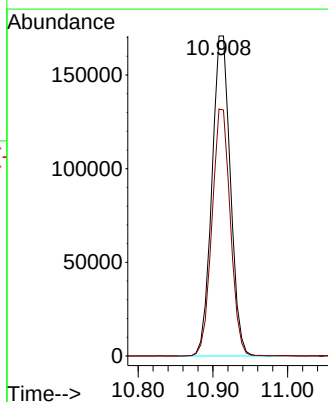
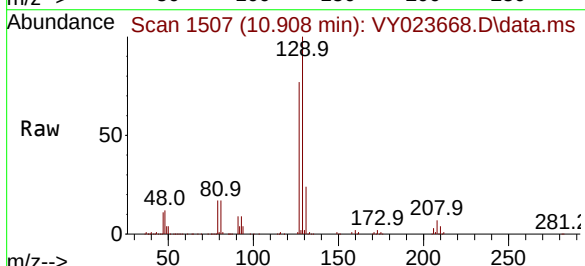
Manual Integrations
APPROVED

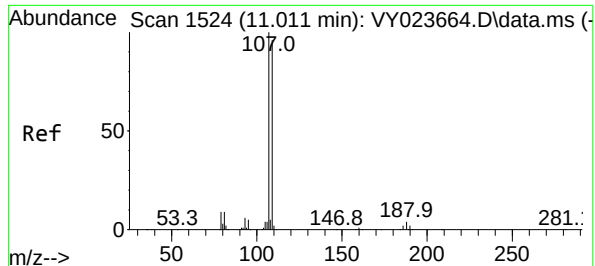
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#60
Dibromochloromethane
Concen: 50.005 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

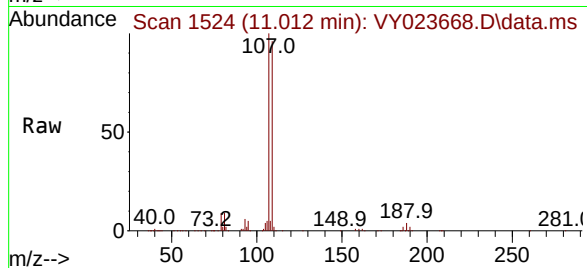
Tgt Ion:129 Resp: 293578
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.2





#61
1,2-Dibromoethane
Concen: 50.038 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

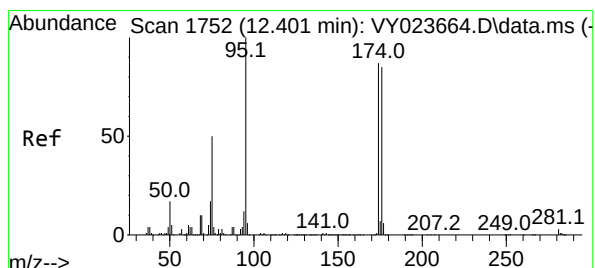
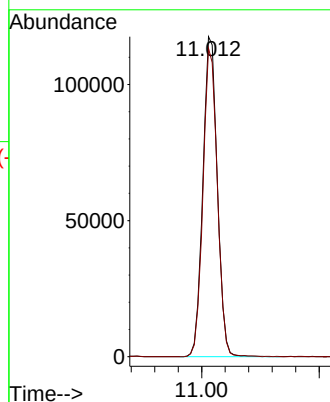
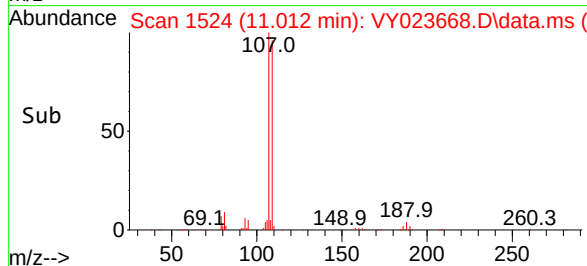
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:107 Resp: 200650
Ion Ratio Lower Upper
107 100
109 95.8 76.2 114.4

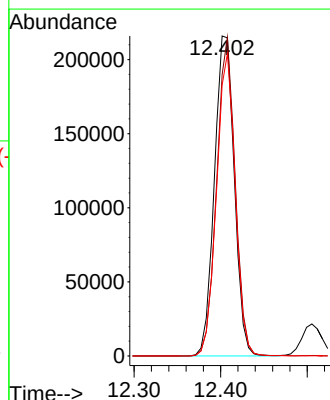
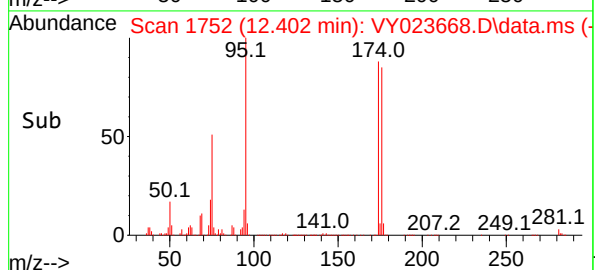
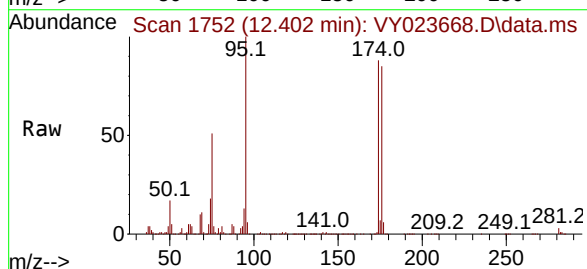
Manual Integrations
APPROVED

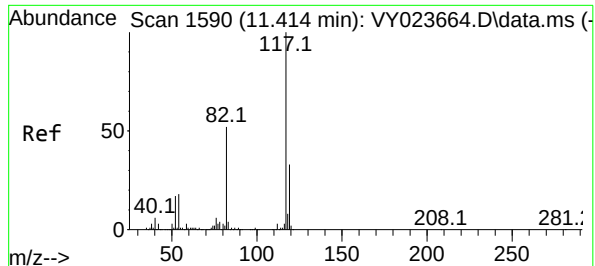
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 51.484 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

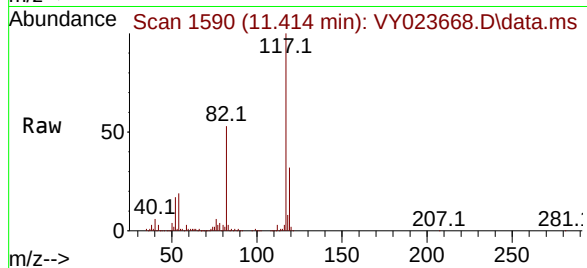
Tgt Ion: 95 Resp: 344284
Ion Ratio Lower Upper
95 100
174 92.9 0.0 184.8
176 89.3 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

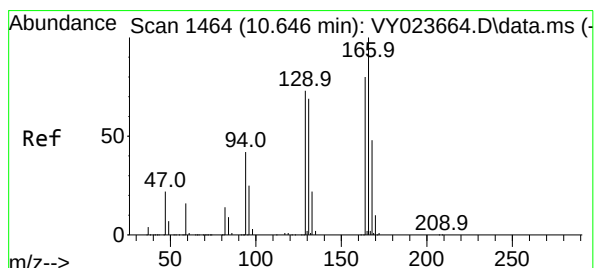
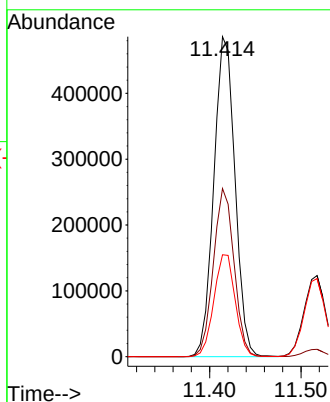
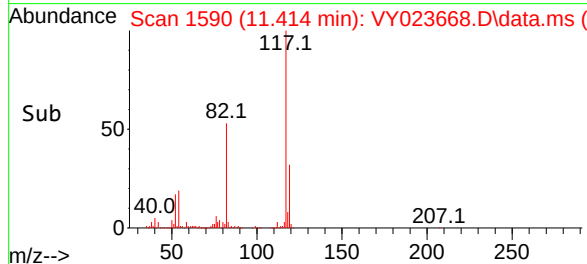
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:117 Resp: 783295
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 31.8 26.2 39.2

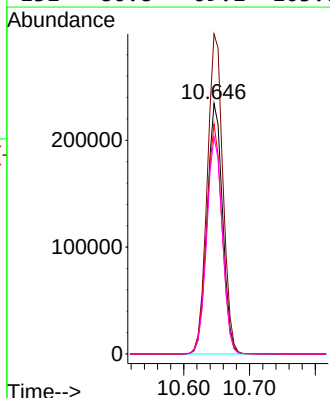
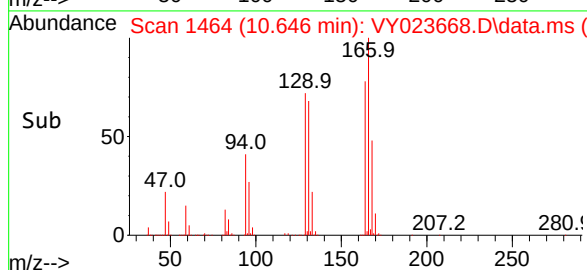
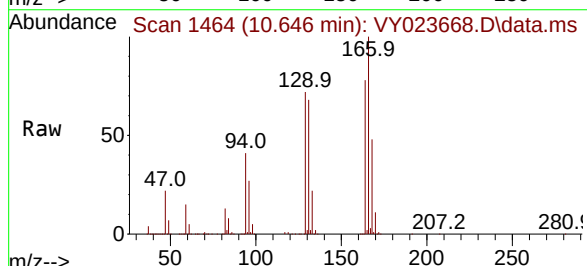
Manual Integrations
APPROVED

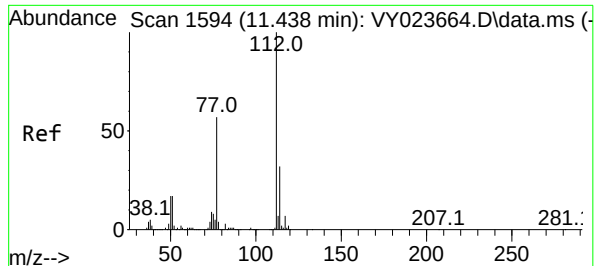
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 47.199 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

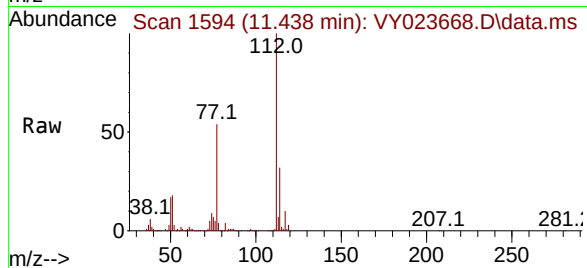
Tgt Ion:164 Resp: 384807
Ion Ratio Lower Upper
164 100
166 127.7 99.5 149.3
129 91.9 72.3 108.5
131 86.8 69.1 103.7





#65
Chlorobenzene
Concen: 49.832 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

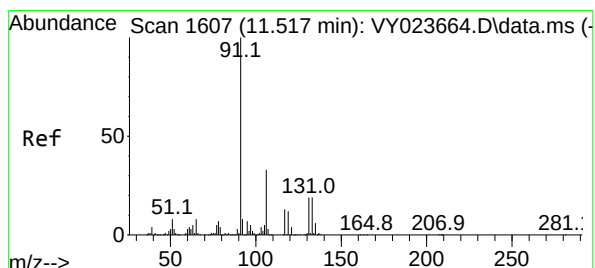
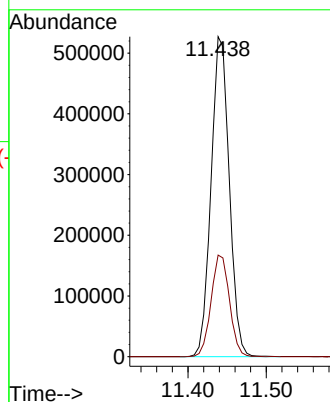
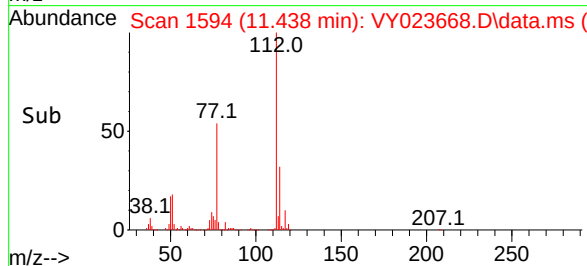
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



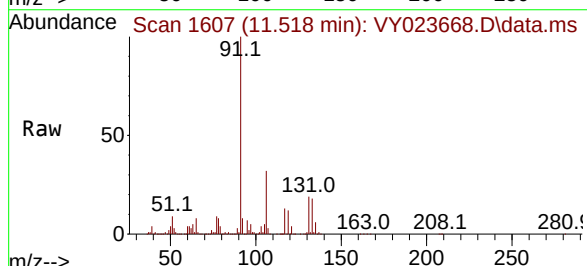
Tgt Ion:112 Resp: 849748
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

Manual Integrations
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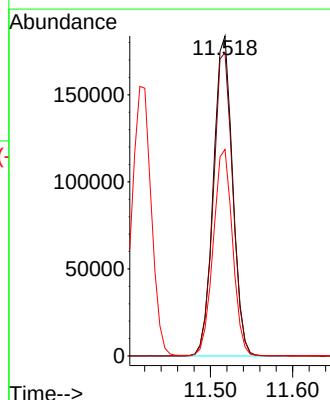
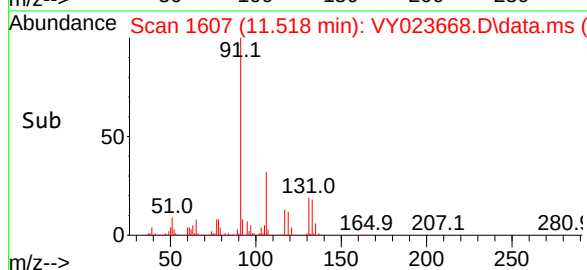
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

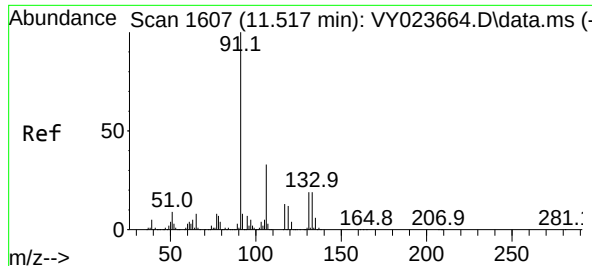


#66
1,1,1,2-Tetrachloroethane
Concen: 49.452 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



Tgt Ion:131 Resp: 298190
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.8
119 64.9 32.5 97.4





#67

Ethyl Benzene

Concen: 52.373 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 91 Resp: 144542

Ion Ratio Lower Upper

91 100

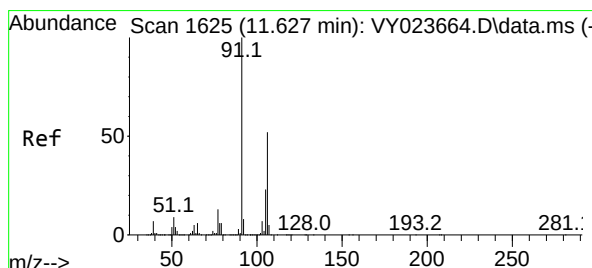
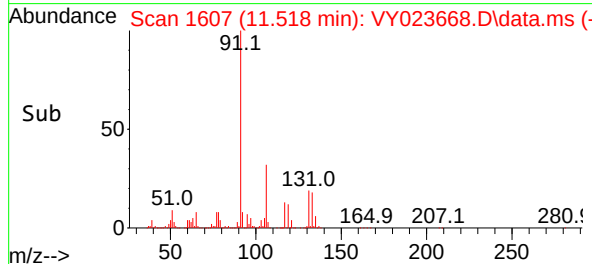
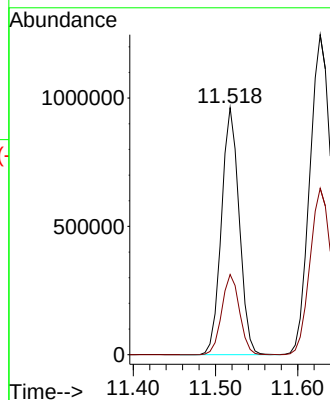
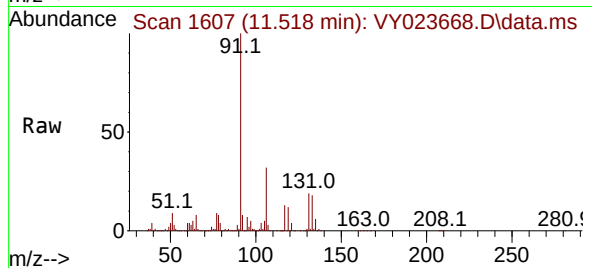
106 32.5 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 105.195 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023668.D

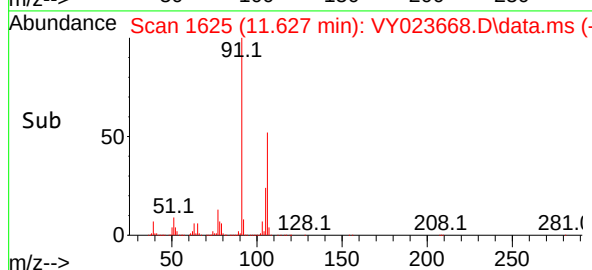
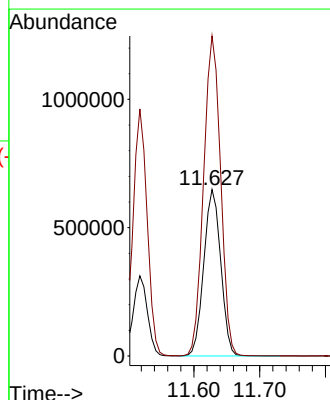
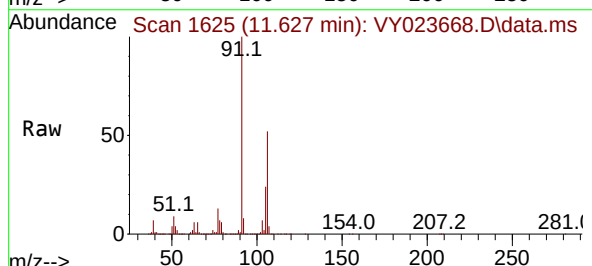
Acq: 04 Nov 2025 12:14

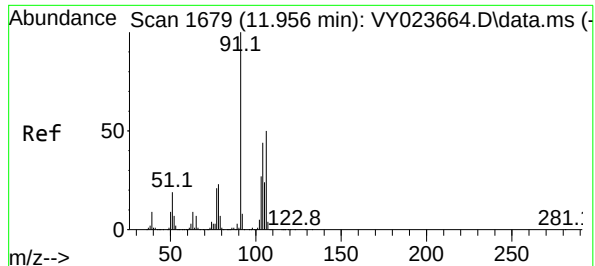
Tgt Ion:106 Resp: 1159953

Ion Ratio Lower Upper

106 100

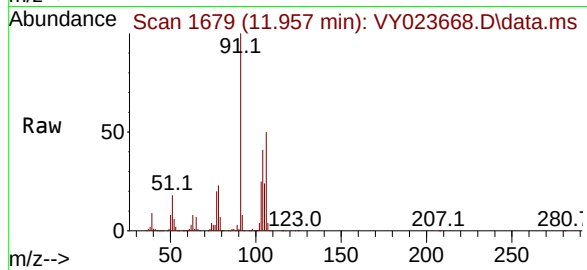
91 193.1 154.3 231.5





#69
o-Xylene
Concen: 53.114 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

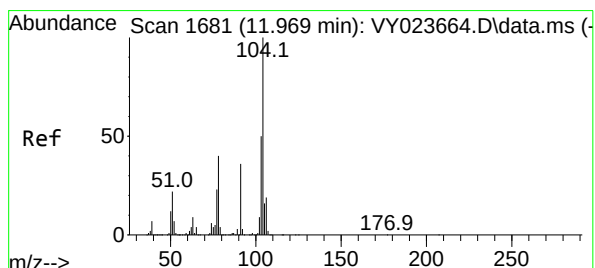
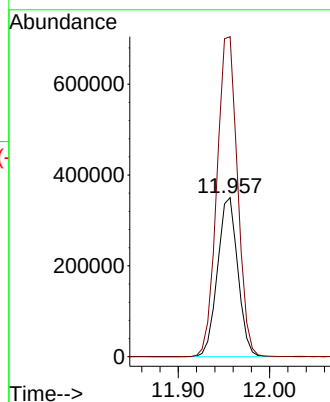
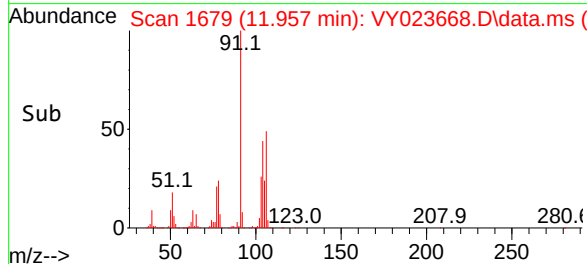
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:106 Resp: 541389
Ion Ratio Lower Upper
106 100
91 204.3 101.6 304.6

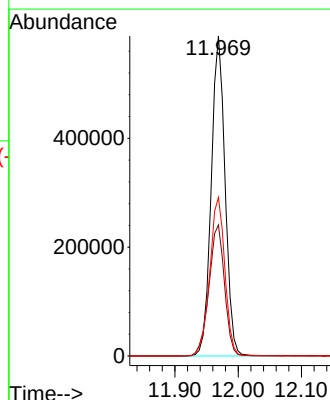
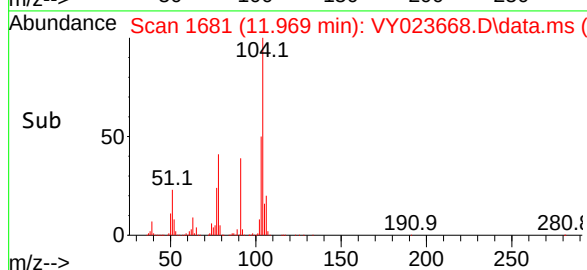
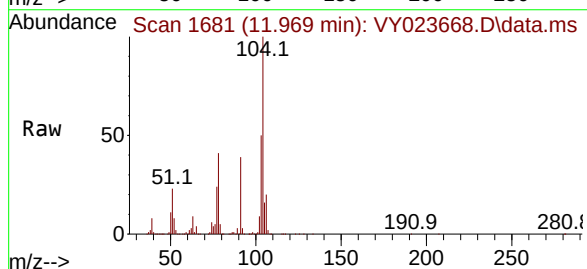
Manual Integrations
APPROVED

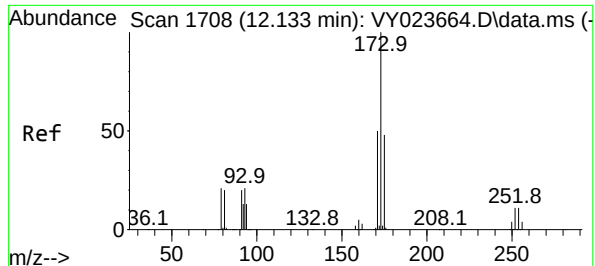
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 53.283 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

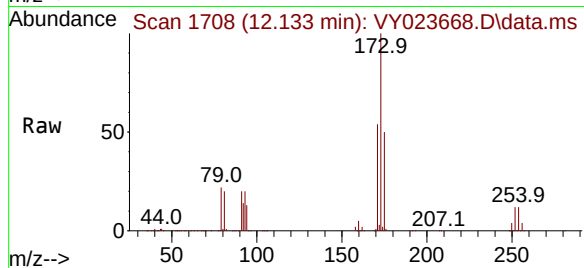
Tgt Ion:104 Resp: 896108
Ion Ratio Lower Upper
104 100
78 45.9 36.5 54.7
103 54.0 43.7 65.5





#71
Bromoform
Concen: 50.360 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

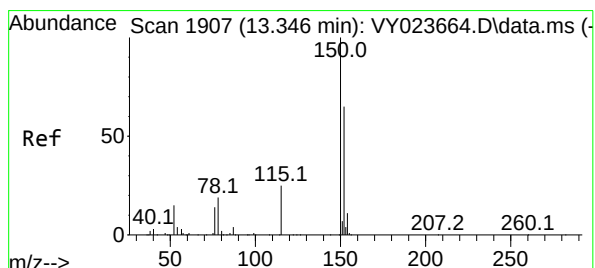
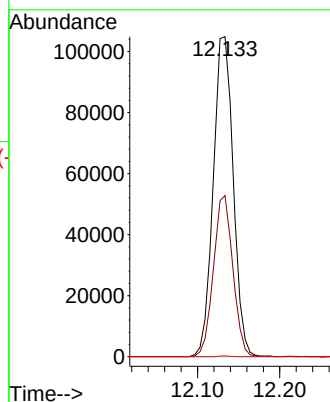
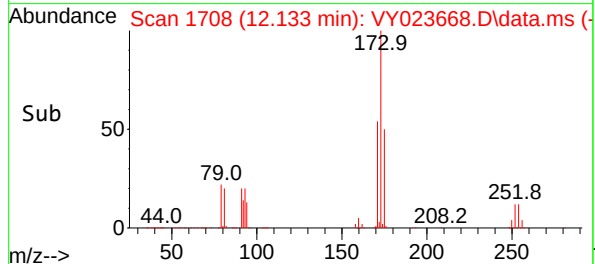
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion:173 Resp: 177352
Ion Ratio Lower Upper
173 100
175 48.9 24.2 72.6
254 0.1 0.2 0.2

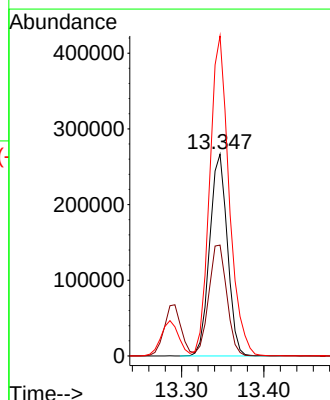
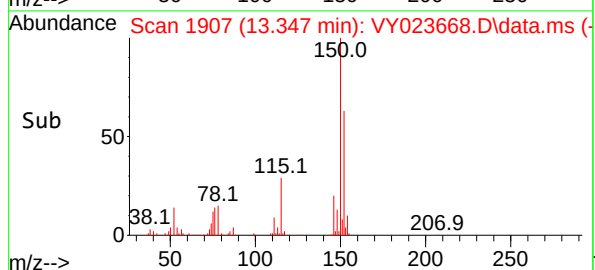
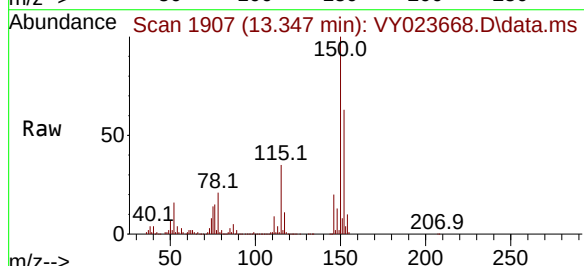
Manual Integrations
APPROVED

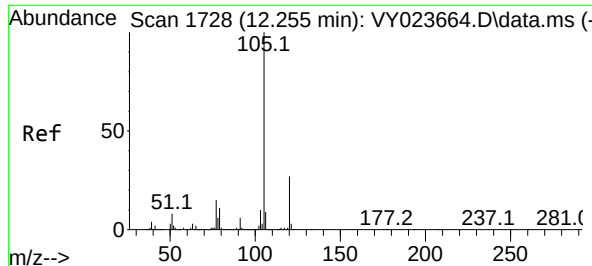
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

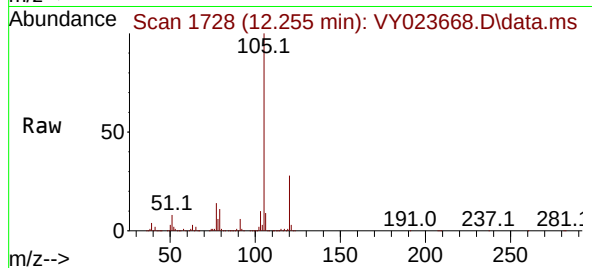
Tgt Ion:152 Resp: 398785
Ion Ratio Lower Upper
152 100
115 55.8 27.5 82.5
150 173.7 0.0 349.0





#73
Isopropylbenzene
Concen: 53.146 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

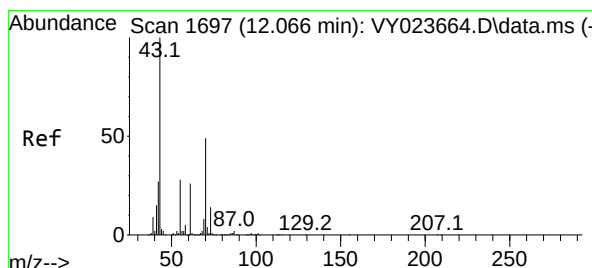
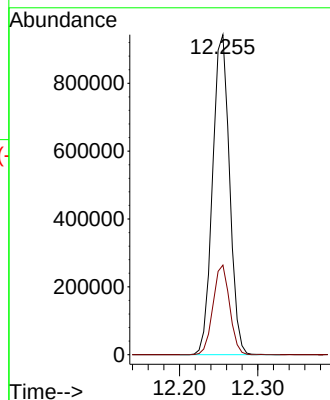
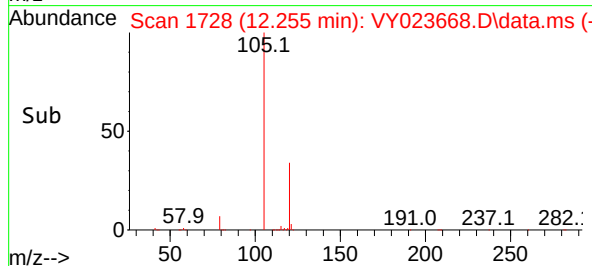
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:105 Resp: 141748
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

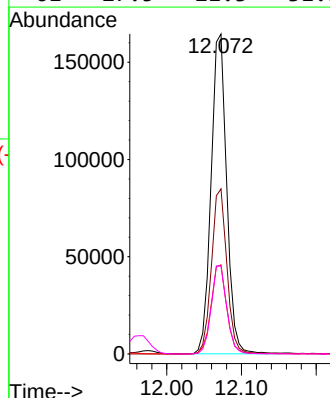
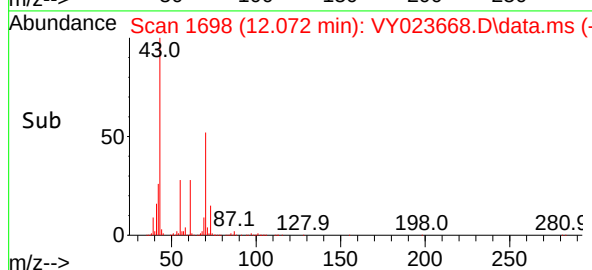
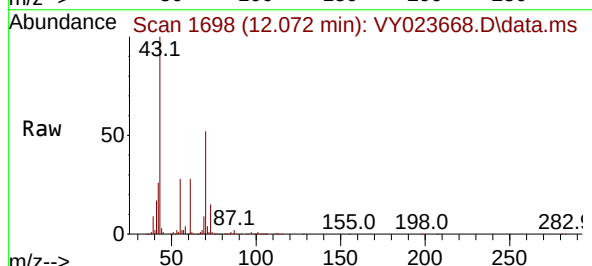
Manual Integrations
APPROVED

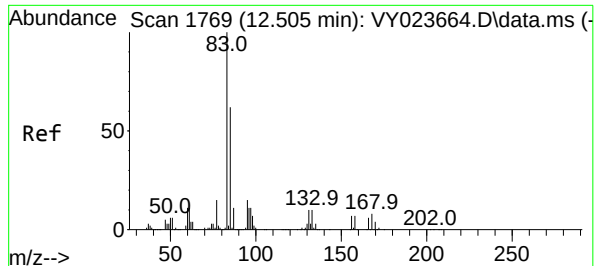
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 52.899 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

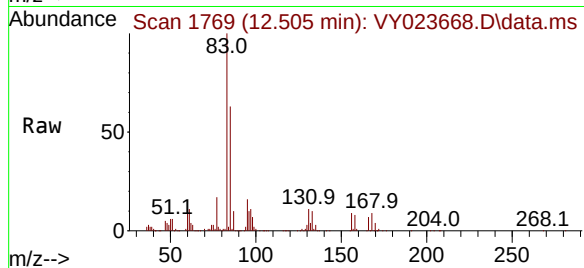
Tgt Ion: 43 Resp: 238873
Ion Ratio Lower Upper
43 100
70 51.6 40.1 60.1
55 28.1 23.0 34.6
61 27.5 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 50.335 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

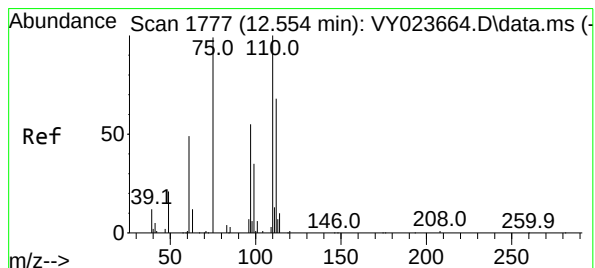
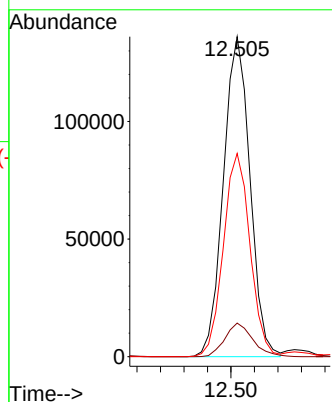
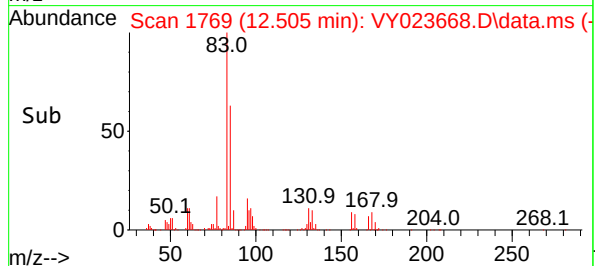
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 83 Resp: 214414
Ion Ratio Lower Upper
83 100
131 11.0 5.7 17.0
85 63.7 31.9 95.7

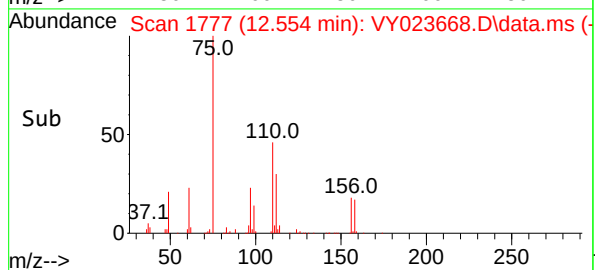
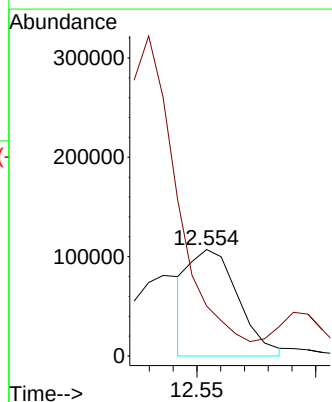
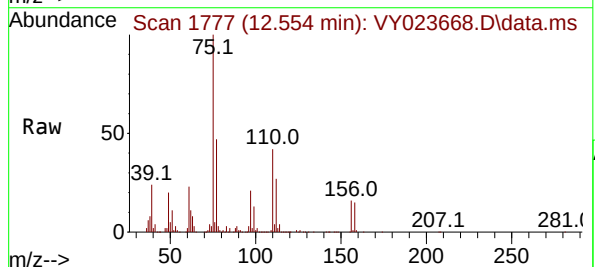
Manual Integrations
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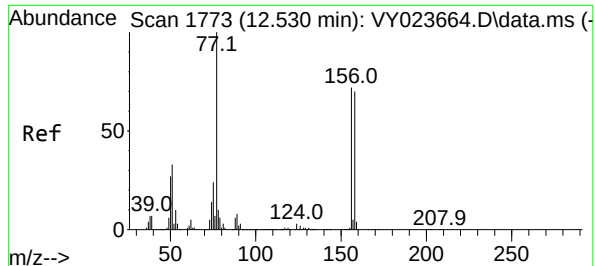
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 47.550 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 75 Resp: 153462
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.384 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion:156 Resp: 348579

Ion Ratio Lower Upper

156 100

77 156.9 77.9 233.7

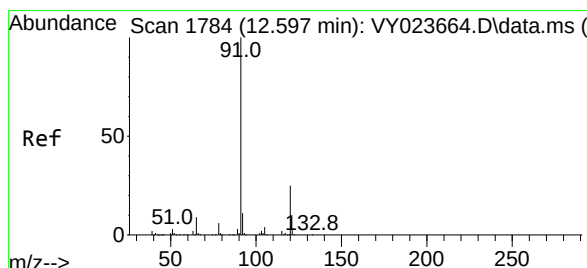
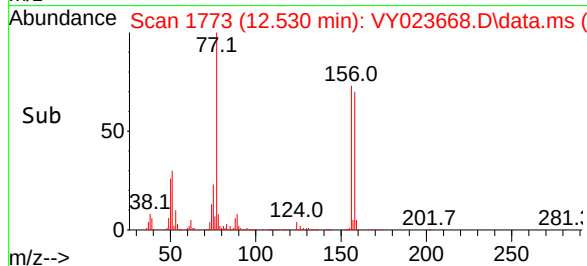
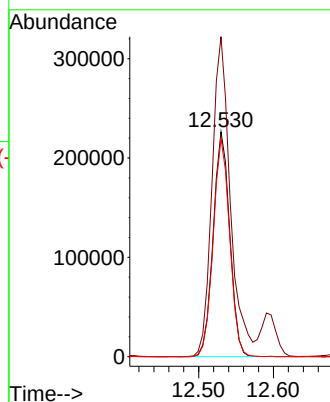
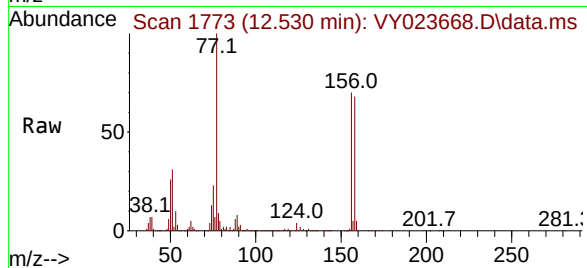
158 96.3 48.5 145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#78

n-propylbenzene

Concen: 52.723 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY023668.D

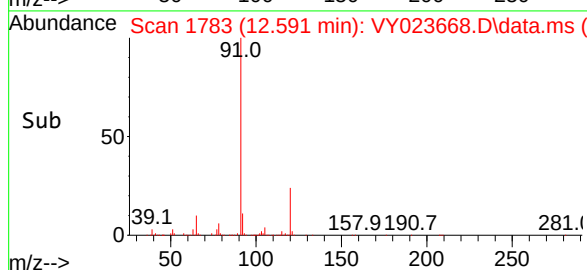
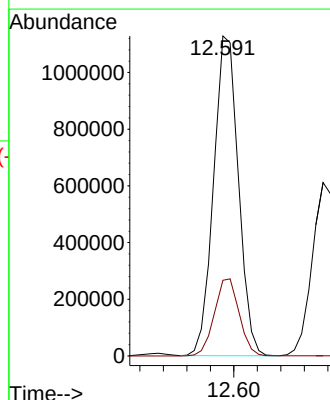
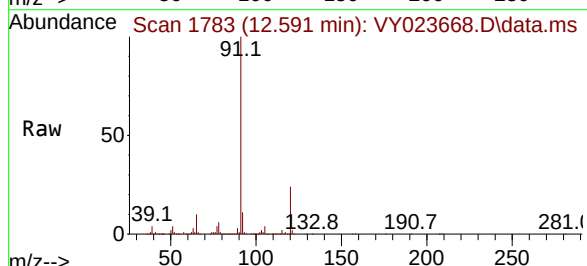
Acq: 04 Nov 2025 12:14

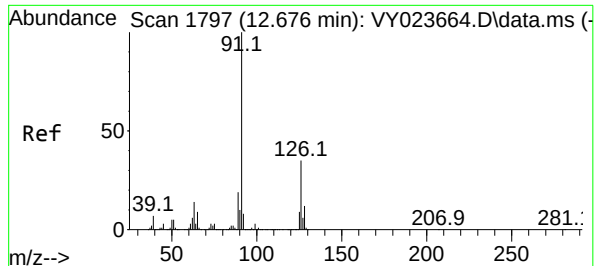
Tgt Ion: 91 Resp: 1654045

Ion Ratio Lower Upper

91 100

120 24.1 12.0 36.1





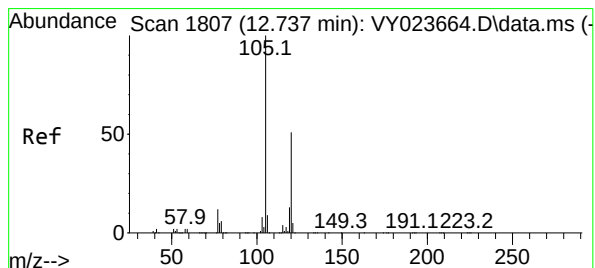
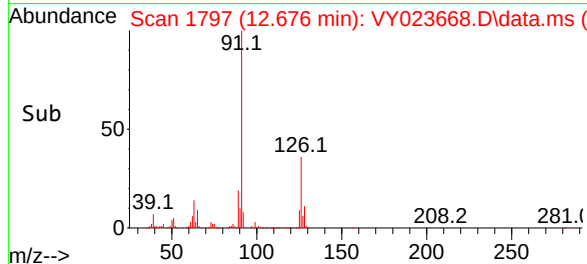
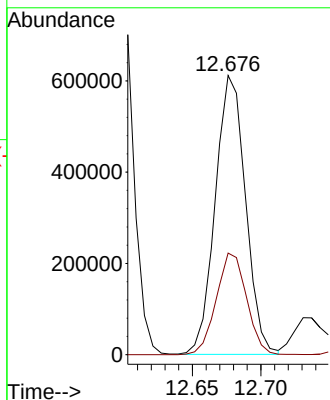
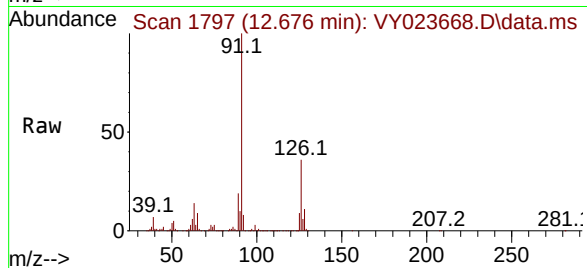
#79
2-Chlorotoluene
Concen: 51.669 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion: 91 Resp: 94062
Ion Ratio Lower Upper
91 100
126 36.4 18.0 54.0

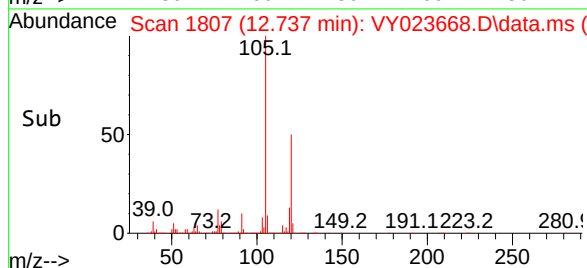
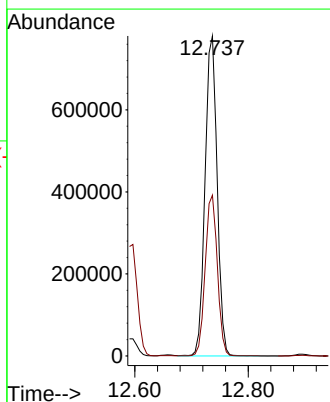
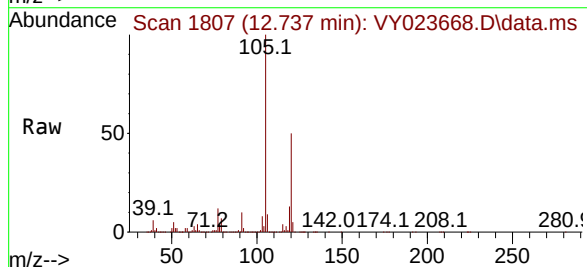
Manual Integrations
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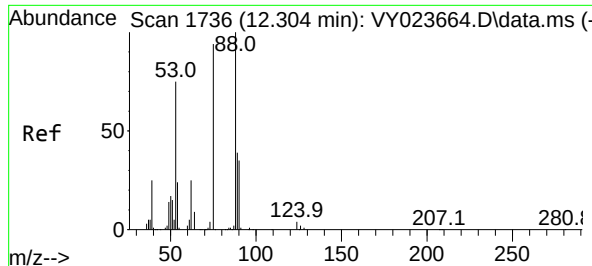
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 53.189 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

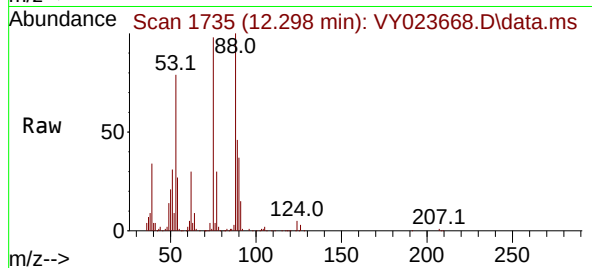
Tgt Ion:105 Resp: 1152618
Ion Ratio Lower Upper
105 100
120 50.5 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.252 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

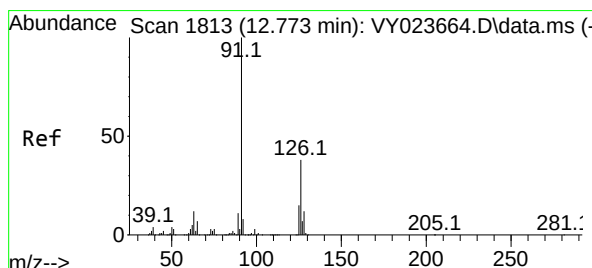
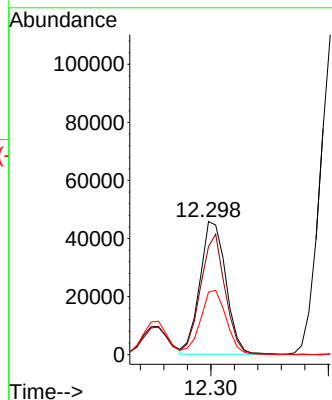
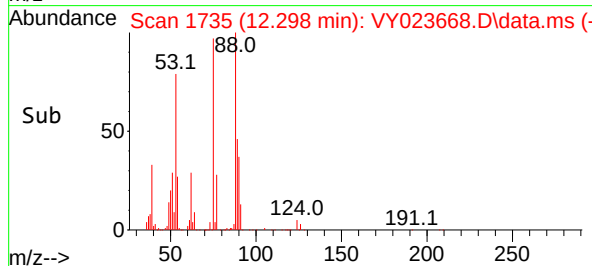
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 75 Resp: 70330
Ion Ratio Lower Upper
75 100
53 86.1 69.6 104.4
89 48.3 38.2 57.4

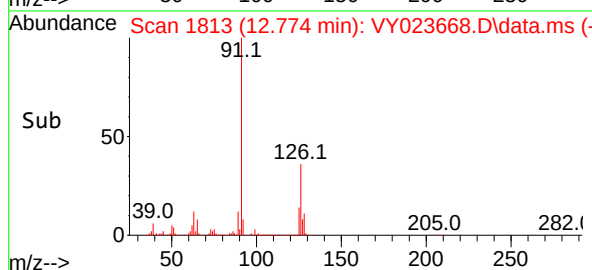
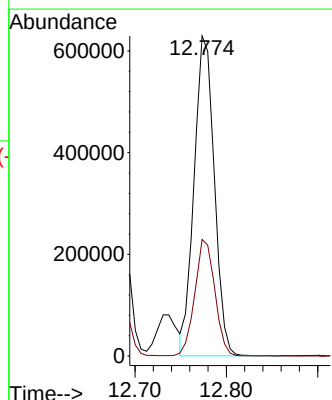
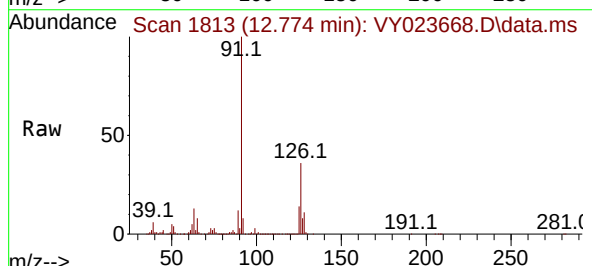
Manual Integrations
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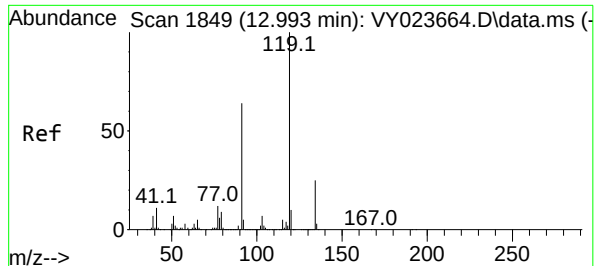
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 51.412 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

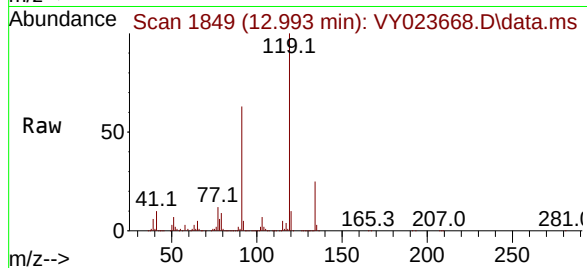
Tgt Ion: 91 Resp: 965258
Ion Ratio Lower Upper
91 100
126 36.1 18.1 54.4





#83
tert-Butylbenzene
Concen: 54.107 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

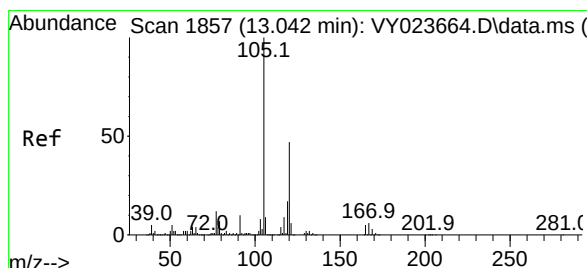
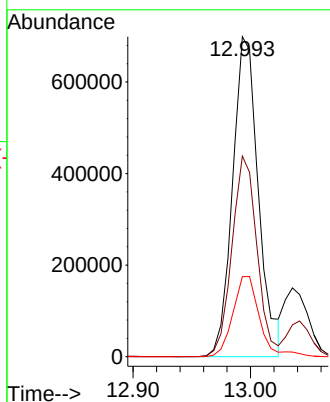
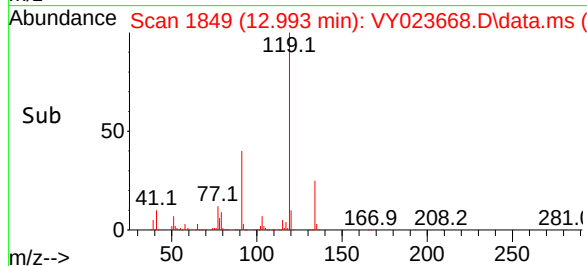
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:119 Resp: 106790
Ion Ratio Lower Upper
119 100
91 60.8 30.7 92.1
134 26.0 13.1 39.1

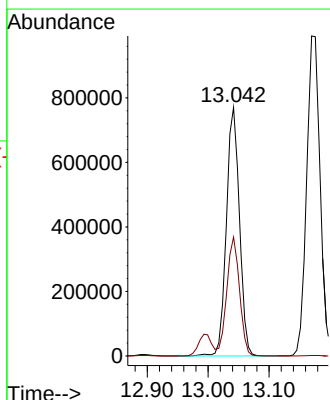
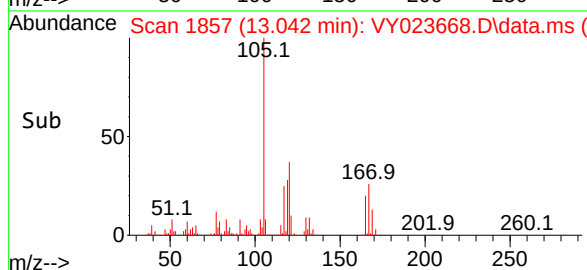
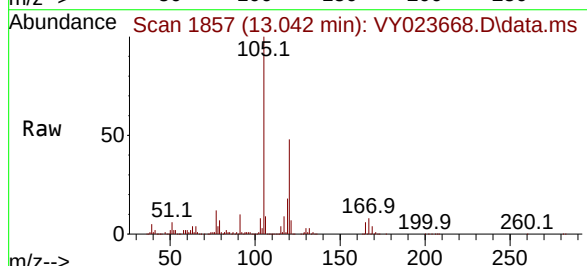
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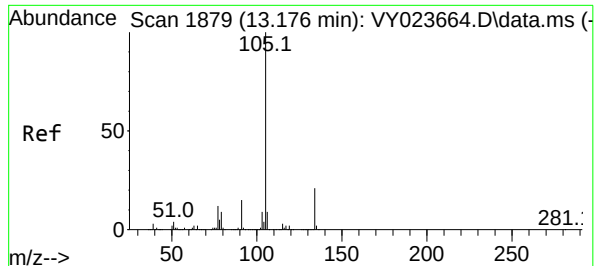
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.419 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

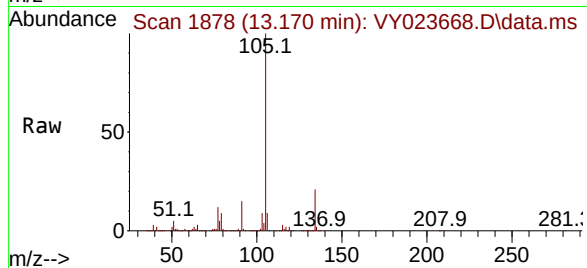
Tgt Ion:105 Resp: 1146575
Ion Ratio Lower Upper
105 100
120 46.7 23.2 69.6





#85
sec-Butylbenzene
Concen: 53.321 ug/l
RT: 13.170 min Scan# 1879
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

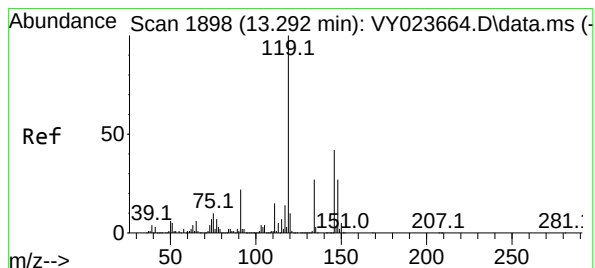
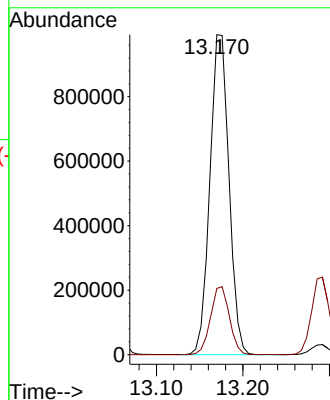
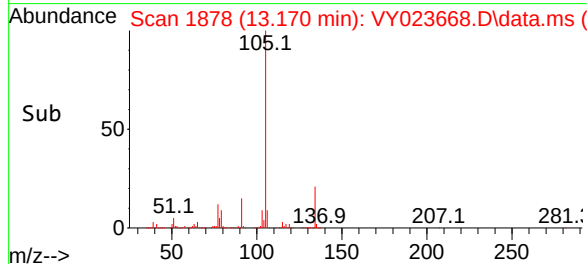
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:105 Resp: 1517909
Ion Ratio Lower Upper
105 100
134 21.0 10.4 31.4

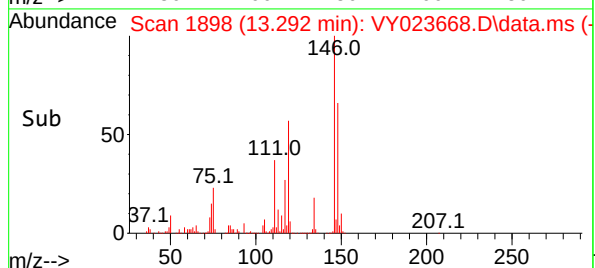
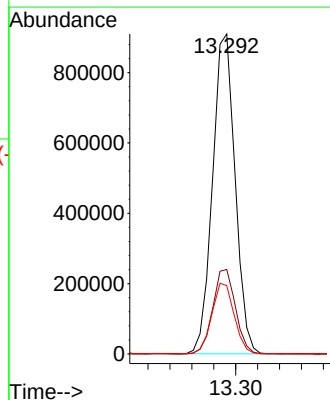
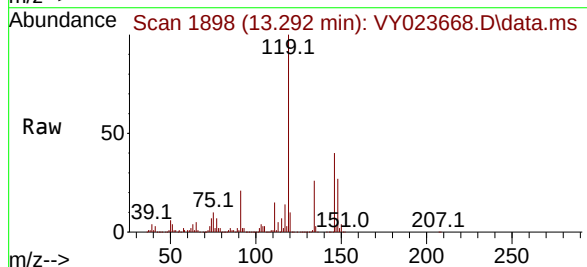
Manual Integrations
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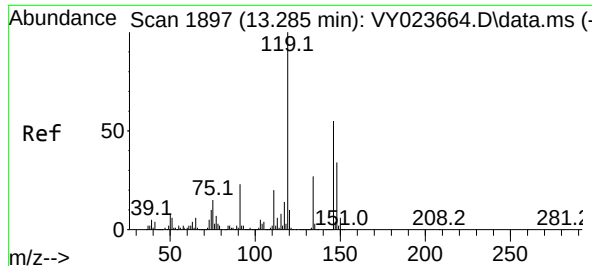
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 53.924 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion:119 Resp: 1299518
Ion Ratio Lower Upper
119 100
134 26.6 13.4 40.2
91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.050 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion:146 Resp: 68153

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

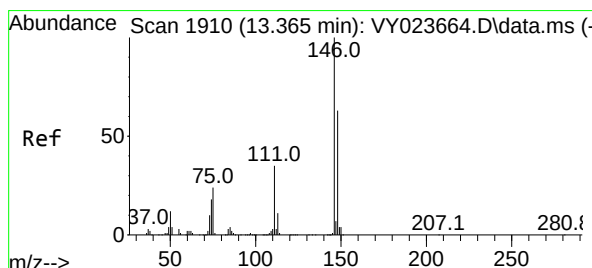
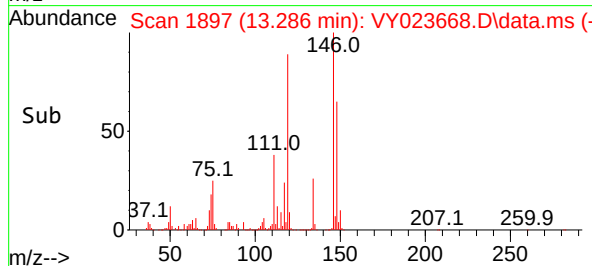
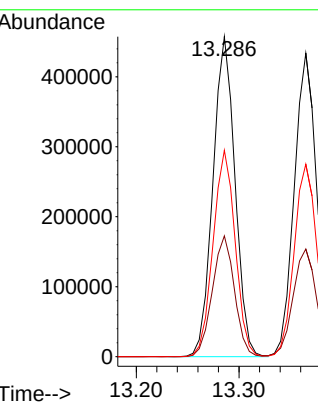
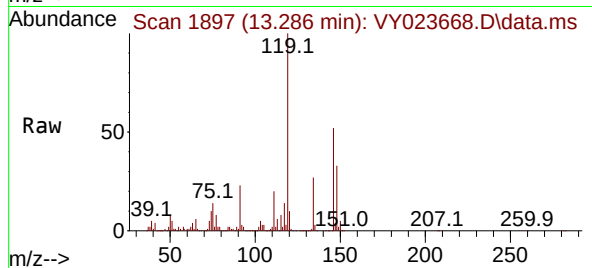
148 64.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 49.051 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

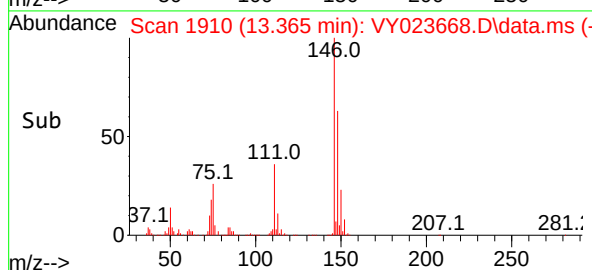
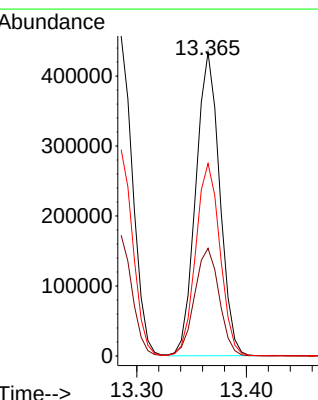
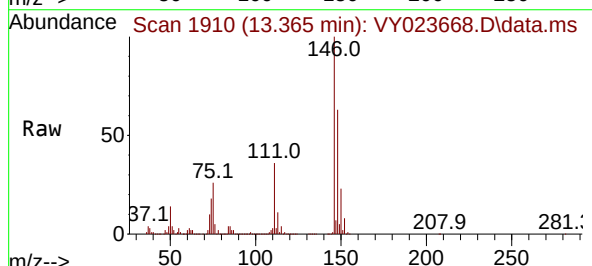
Tgt Ion:146 Resp: 656109

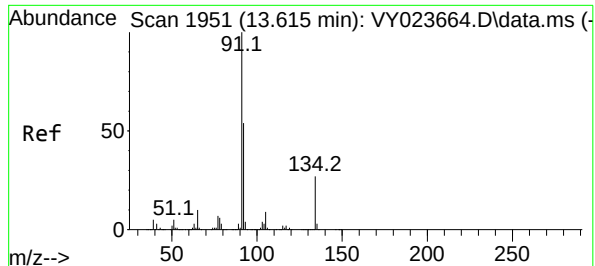
Ion Ratio Lower Upper

146 100

111 36.7 18.3 54.8

148 64.6 31.8 95.3





#89

n-Butylbenzene

Concen: 54.369 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 91 Resp: 1139328

Ion Ratio Lower Upper

91 100

92 53.2 26.5 79.4

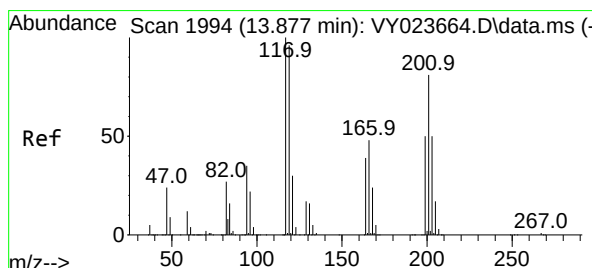
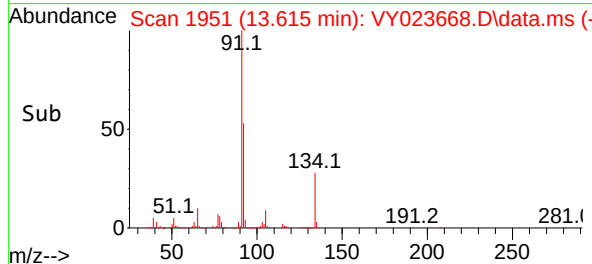
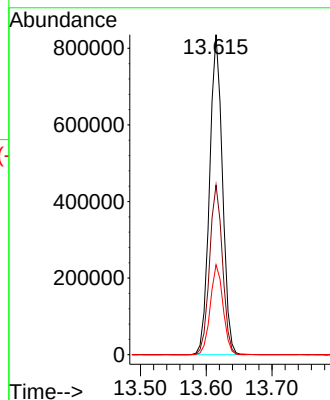
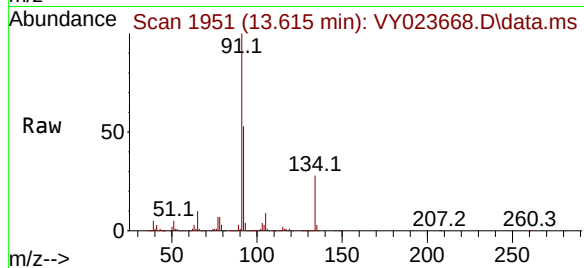
134 27.8 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 49.923 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023668.D

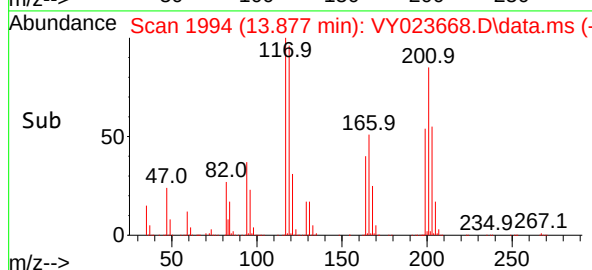
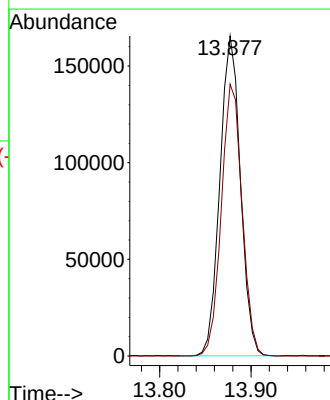
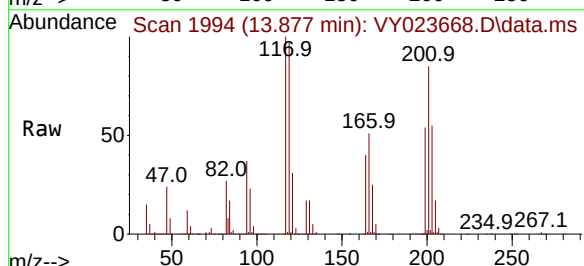
Acq: 04 Nov 2025 12:14

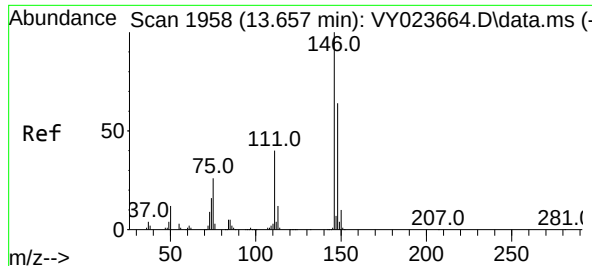
Tgt Ion:117 Resp: 258543

Ion Ratio Lower Upper

117 100

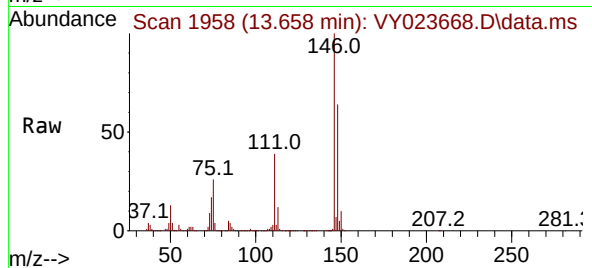
201 85.7 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 50.082 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

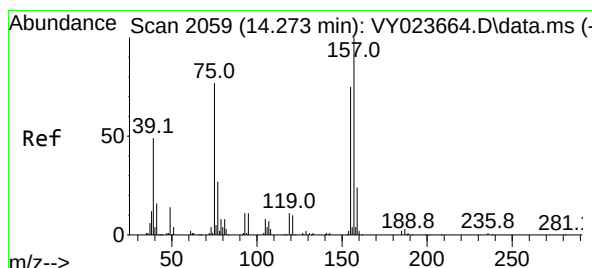
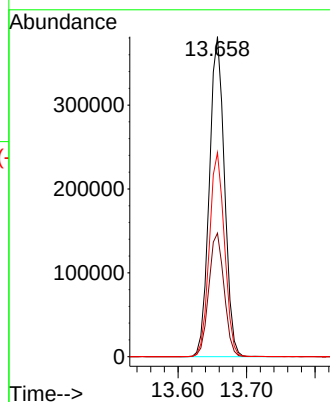
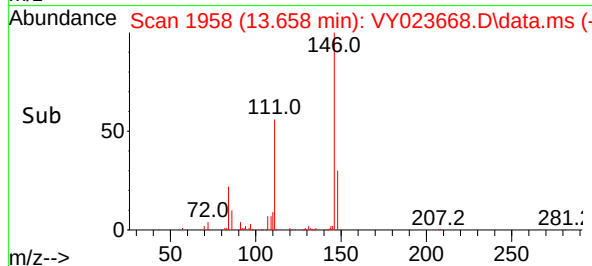
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion:146 Resp: 58770
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 63.8 31.9 95.9

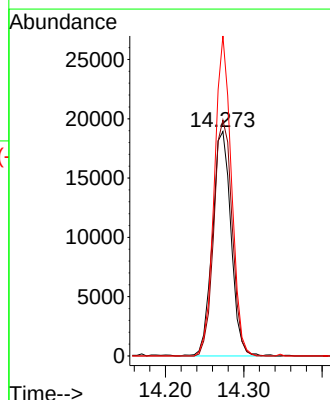
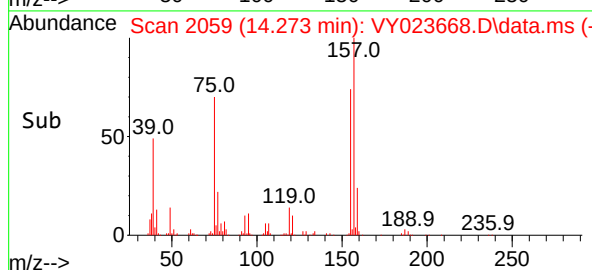
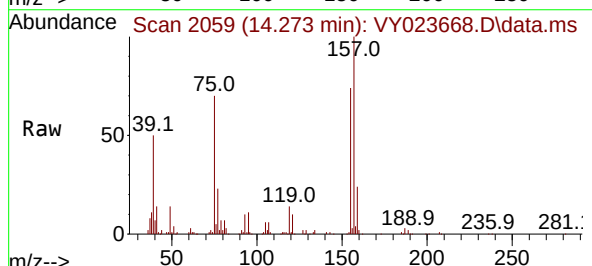
Manual Integrations
APPROVED

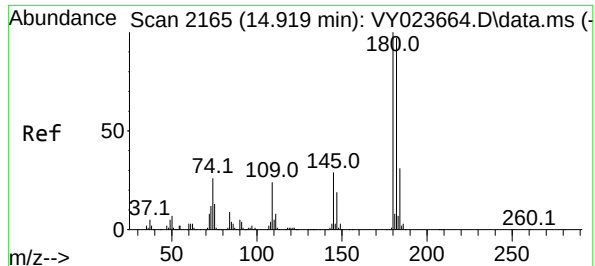
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.551 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 75 Resp: 31188
Ion Ratio Lower Upper
75 100
155 103.4 49.4 148.2
157 130.4 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 53.138 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023668.D

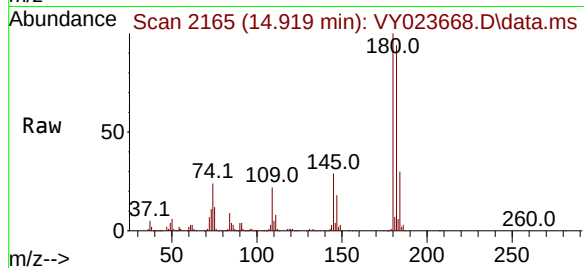
Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425



Tgt Ion:180 Resp: 356674

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

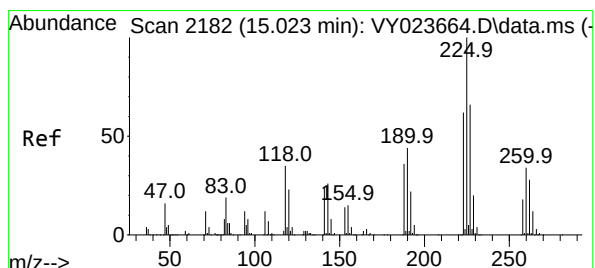
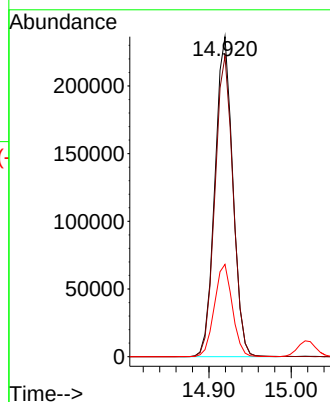
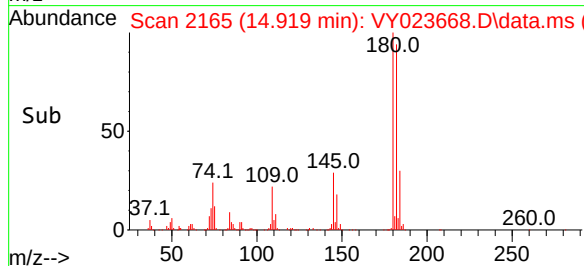
145 29.1 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

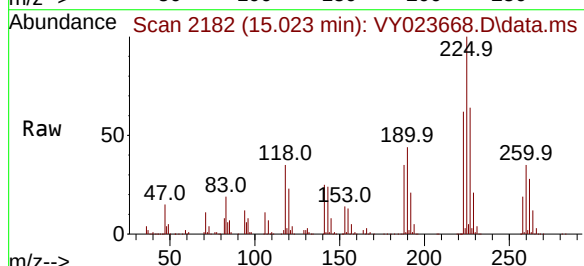
Concen: 50.535 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14



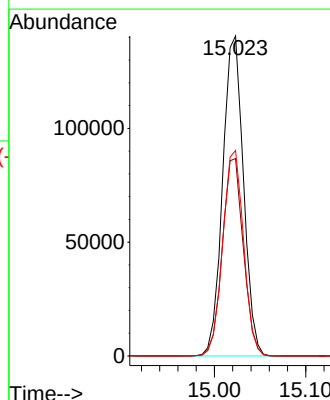
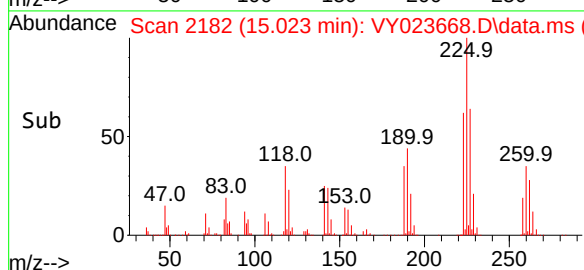
Tgt Ion:225 Resp: 222246

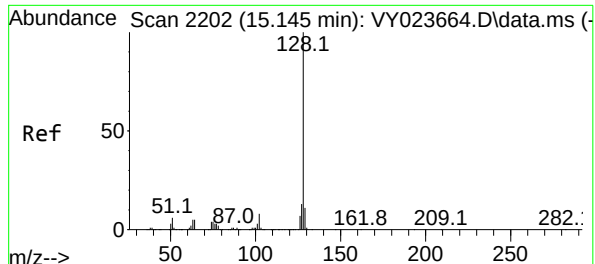
Ion Ratio Lower Upper

225 100

223 62.3 30.8 92.3

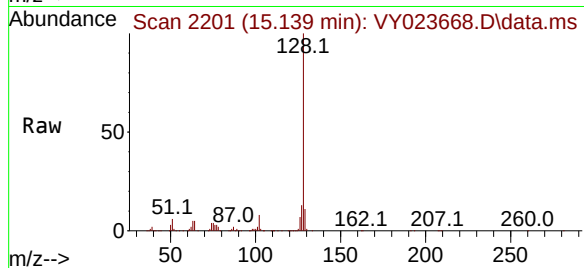
227 64.5 32.0 96.2





#95
Naphthalene
Concen: 48.012 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

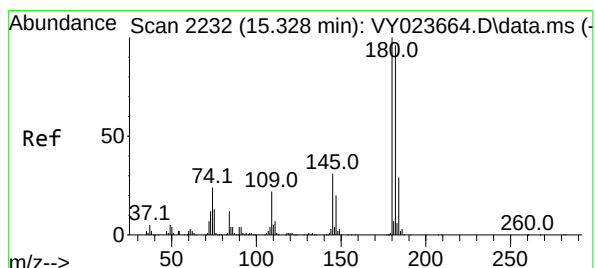
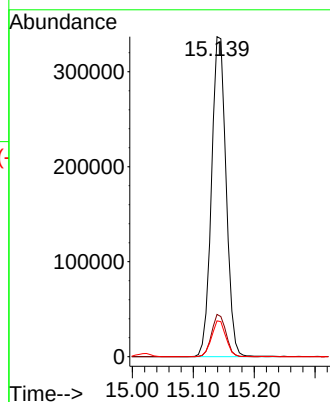
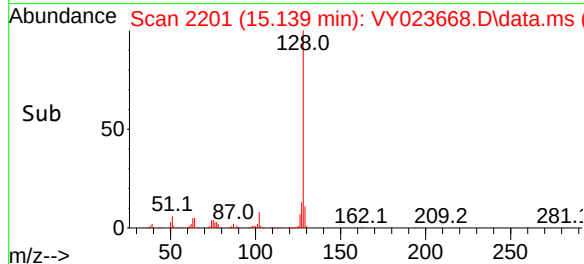
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion:128 Resp: 56065
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.0 8.8 13.2

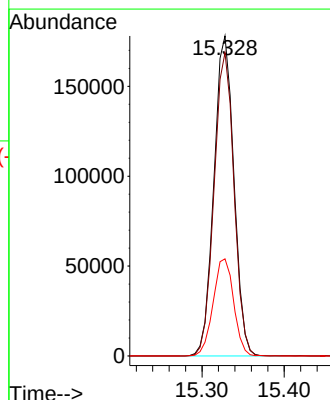
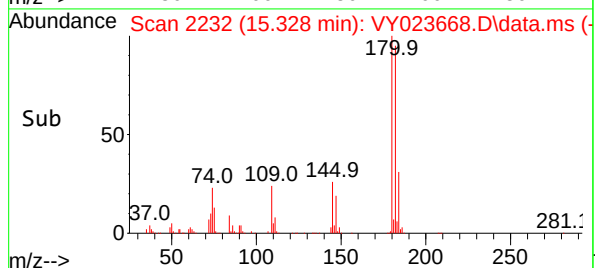
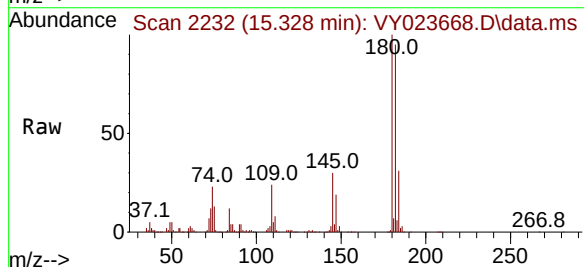
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.559 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion:180 Resp: 300360
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.6
145 31.2 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	106	0.00
2 T	Dichlorodifluoromethane	0.328	0.279	14.9	107	0.00
3 P	Chloromethane	0.459	0.422	8.1	108	0.00
4 C	Vinyl Chloride	0.598	0.543	9.2#	105	0.00
5 T	Bromomethane	0.503	0.457	9.1	109	0.00
6 T	Chloroethane	0.413	0.387	6.3	106	0.00
7 T	Trichlorofluoromethane	0.842	0.780	7.4	106	0.00
8 T	Diethyl Ether	0.226	0.218	3.5	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.464	0.440	5.2	107	0.00
10 T	Methyl Iodide	0.548	0.521	4.9	96	0.00
11 T	Tert butyl alcohol	0.028	0.025	10.7	114	0.00
12 CM	1,1-Dichloroethene	0.447	0.431	3.6#	108	0.00
13 T	Acrolein	0.035	0.030	14.3	108	0.00
14 T	Allyl chloride	0.544	0.544	0.0	109	0.00
15 T	Acrylonitrile	0.086	0.085	1.2	110	0.00
16 T	Acetone	0.106	0.097	8.5	108	0.00
17 T	Carbon Disulfide	1.371	1.295	5.5	106	0.00
18 T	Methyl Acetate	0.234	0.207	11.5	104	0.00
19 T	Methyl tert-butyl Ether	1.036	1.058	-2.1	111	0.00
20 T	Methylene Chloride	0.512	0.469	8.4	108	0.00
21 T	trans-1,2-Dichloroethene	0.504	0.494	2.0	107	0.00
22 T	Diisopropyl ether	1.212	1.242	-2.5	107	0.00
23 T	Vinyl Acetate	0.647	0.683	-5.6	111	0.00
24 P	1,1-Dichloroethane	0.807	0.776	3.8	106	0.00
25 T	2-Butanone	0.123	0.116	5.7	110	0.00
26 T	2,2-Dichloropropane	0.742	0.719	3.1	107	0.00
27 T	cis-1,2-Dichloroethene	0.575	0.572	0.5	108	0.00
28 T	Bromochloromethane	0.309	0.290	6.1	105	0.00
29 T	Tetrahydrofuran	0.065	0.065	0.0	111	0.00
30 C	Chloroform	0.901	0.863	4.2#	106	0.00
31 T	Cyclohexane	0.703	0.682	3.0	109	0.00
32 T	1,1,1-Trichloroethane	0.805	0.775	3.7	106	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.399	6.6	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.312	0.302	3.2	103	0.00
36 T	1,1-Dichloropropene	0.418	0.417	0.2	107	0.00
37 T	Ethyl Acetate	0.162	0.165	-1.9	112	0.00
38 T	Carbon Tetrachloride	0.492	0.487	1.0	107	0.00
39 T	Methylcyclohexane	0.534	0.564	-5.6	110	0.00
40 TM	Benzene	1.316	1.310	0.5	107	0.00
41 T	Methacrylonitrile	0.088	0.077	12.5	96	0.00
42 TM	1,2-Dichloroethane	0.333	0.324	2.7	106	0.00
43 T	Isopropyl Acetate	0.304	0.313	-3.0	112	0.00
44 TM	Trichloroethene	0.378	0.368	2.6	106	0.00
45 C	1,2-Dichloropropane	0.290	0.290	0.0	107	0.00
46 T	Dibromomethane	0.180	0.179	0.6	109	0.00
47 T	Bromodichloromethane	0.454	0.449	1.1	106	0.00
48 T	Methyl methacrylate	0.143	0.152	-6.3	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY110425

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	108	0.00
50 S	Toluene-d8	1.164	1.171	-0.6	104	0.00
51 T	4-Methyl-2-Pentanone	0.162	0.166	-2.5	111	0.00
52 CM	Toluene	0.840	0.866	-3.1#	107	0.00
53 T	t-1,3-Dichloropropene	0.384	0.394	-2.6	107	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.472	-2.6	107	0.00
55 T	1,1,2-Trichloroethane	0.241	0.236	2.1	106	0.00
56 T	Ethyl methacrylate	0.265	0.293	-10.6	111	0.00
57 T	1,3-Dichloropropane	0.381	0.380	0.3	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.122	0.132	-8.2	109	0.00
59 T	2-Hexanone	0.118	0.121	-2.5	111	0.00
60 T	Dibromochloromethane	0.330	0.331	-0.3	107	0.00
61 T	1,2-Dibromoethane	0.226	0.226	0.0	107	0.00
62 S	4-Bromofluorobenzene	0.376	0.388	-3.2	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.520	0.491	5.6	100	0.00
65 PM	Chlorobenzene	1.088	1.085	0.3	106	0.00
66 T	1,1,1,2-Tetrachloroethane	0.385	0.381	1.0	106	0.00
67 C	Ethyl Benzene	1.762	1.845	-4.7#	107	0.00
68 T	m/p-Xylenes	0.704	0.740	-5.1	107	0.00
69 T	o-Xylene	0.651	0.691	-6.1	107	0.00
70 T	Styrene	1.074	1.144	-6.5	107	0.00
71 P	Bromoform	0.225	0.226	-0.4	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.344	3.555	-6.3	108	0.00
74 T	N-amyl acetate	0.566	0.599	-5.8	109	0.00
75 P	1,1,2,2-Tetrachloroethane	0.534	0.538	-0.7	113	0.00
76 T	1,2,3-Trichloropropane	0.405	0.385	4.9	109	0.00
77 T	Bromobenzene	0.867	0.874	-0.8	107	0.00
78 T	n-propylbenzene	3.933	4.148	-5.5	107	0.00
79 T	2-Chlorotoluene	2.283	2.359	-3.3	107	0.00
80 T	1,3,5-Trimethylbenzene	2.717	2.890	-6.4	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.179	0.176	1.7	108	0.00
82 T	4-Chlorotoluene	2.354	2.420	-2.8	107	0.00
83 T	tert-Butylbenzene	2.475	2.678	-8.2	110	0.00
84 T	1,2,4-Trimethylbenzene	2.691	2.875	-6.8	107	0.00
85 T	sec-Butylbenzene	3.569	3.806	-6.6	109	0.00
86 T	p-Isopropyltoluene	3.022	3.259	-7.8	108	0.00
87 T	1,3-Dichlorobenzene	1.707	1.709	-0.1	106	0.00
88 T	1,4-Dichlorobenzene	1.677	1.645	1.9	105	0.00
89 T	n-Butylbenzene	2.627	2.857	-8.8	109	0.00
90 T	Hexachloroethane	0.649	0.648	0.2	107	0.00
91 T	1,2-Dichlorobenzene	1.471	1.474	-0.2	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.082	0.078	4.9	108	0.00
93 T	1,2,4-Trichlorobenzene	0.842	0.894	-6.2	110	0.00
94 T	Hexachlorobutadiene	0.551	0.557	-1.1	106	0.00
95 T	Naphthalene	1.257	1.406	-11.9	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	0.703	0.753	-7.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\YY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	106	0.00
2 T	Dichlorodifluoromethane	50.000	42.448	15.1	107	0.00
3 P	Chloromethane	50.000	45.957	8.1	108	0.00
4 C	Vinyl Chloride	50.000	45.438	9.1#	105	0.00
5 T	Bromomethane	50.000	45.434	9.1	109	0.00
6 T	Chloroethane	50.000	46.809	6.4	106	0.00
7 T	Trichlorofluoromethane	50.000	46.359	7.3	106	0.00
8 T	Diethyl Ether	50.000	48.252	3.5	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.433	5.1	107	0.00
10 T	Methyl Iodide	50.000	47.558	4.9	96	0.00
11 T	Tert butyl alcohol	250.000	224.660	10.1	114	0.00
12 CM	1,1-Dichloroethene	50.000	48.194	3.6#	108	0.00
13 T	Acrolein	250.000	213.558	14.6	108	0.00
14 T	Allyl chloride	50.000	50.006	-0.0	109	0.00
15 T	Acrylonitrile	250.000	245.434	1.8	110	0.00
16 T	Acetone	250.000	228.644	8.5	108	0.00
17 T	Carbon Disulfide	50.000	47.235	5.5	106	0.00
18 T	Methyl Acetate	50.000	44.328	11.3	104	0.00
19 T	Methyl tert-butyl Ether	50.000	51.062	-2.1	111	0.00
20 T	Methylene Chloride	50.000	45.791	8.4	108	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.048	1.9	107	0.00
22 T	Diisopropyl ether	50.000	51.273	-2.5	107	0.00
23 T	Vinyl Acetate	250.000	264.163	-5.7	111	0.00
24 P	1,1-Dichloroethane	50.000	48.064	3.9	106	0.00
25 T	2-Butanone	250.000	236.507	5.4	110	0.00
26 T	2,2-Dichloropropane	50.000	48.402	3.2	107	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.682	0.6	108	0.00
28 T	Bromochloromethane	50.000	46.849	6.3	105	0.00
29 T	Tetrahydrofuran	250.000	250.229	-0.1	111	0.00
30 C	Chloroform	50.000	47.888	4.2#	106	0.00
31 T	Cyclohexane	50.000	48.520	3.0	109	0.00
32 T	1,1,1-Trichloroethane	50.000	48.137	3.7	106	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.805	6.4	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	48.291	3.4	103	0.00
36 T	1,1-Dichloropropene	50.000	49.878	0.2	107	0.00
37 T	Ethyl Acetate	50.000	50.997	-2.0	112	0.00
38 T	Carbon Tetrachloride	50.000	49.462	1.1	107	0.00
39 T	Methylcyclohexane	50.000	52.876	-5.8	110	0.00
40 TM	Benzene	50.000	49.773	0.5	107	0.00
41 T	Methacrylonitrile	50.000	43.412	13.2	96	0.00
42 TM	1,2-Dichloroethane	50.000	48.630	2.7	106	0.00
43 T	Isopropyl Acetate	50.000	51.490	-3.0	112	0.00
44 TM	Trichloroethene	50.000	48.741	2.5	106	0.00
45 C	1,2-Dichloropropane	50.000	49.835	0.3#	107	0.00
46 T	Dibromomethane	50.000	49.780	0.4	109	0.00
47 T	Bromodichloromethane	50.000	49.512	1.0	106	0.00
48 T	Methyl methacrylate	50.000	53.056	-6.1	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY110425

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	1001.883	-0.2	108	0.00
50 S	Toluene-d8	50.000	50.309	-0.6	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	257.714	-3.1	111	0.00
52 CM	Toluene	50.000	51.540	-3.1#	107	0.00
53 T	t-1,3-Dichloropropene	50.000	51.286	-2.6	107	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.251	-2.5	107	0.00
55 T	1,1,2-Trichloroethane	50.000	49.096	1.8	106	0.00
56 T	Ethyl methacrylate	50.000	55.214	-10.4	111	0.00
57 T	1,3-Dichloropropane	50.000	49.813	0.4	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	271.549	-8.6	109	0.00
59 T	2-Hexanone	250.000	256.278	-2.5	111	0.00
60 T	Dibromochloromethane	50.000	50.005	-0.0	107	0.00
61 T	1,2-Dibromoethane	50.000	50.038	-0.1	107	0.00
62 S	4-Bromofluorobenzene	50.000	51.484	-3.0	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	47.199	5.6	100	0.00
65 PM	Chlorobenzene	50.000	49.832	0.3	106	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.452	1.1	106	0.00
67 C	Ethyl Benzene	50.000	52.373	-4.7#	107	0.00
68 T	m/p-Xylenes	100.000	105.195	-5.2	107	0.00
69 T	o-Xylene	50.000	53.114	-6.2	107	0.00
70 T	Styrene	50.000	53.283	-6.6	107	0.00
71 P	Bromoform	50.000	50.360	-0.7	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	53.146	-6.3	108	0.00
74 T	N-ethyl acetate	50.000	52.899	-5.8	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.335	-0.7	113	0.00
76 T	1,2,3-Trichloropropane	50.000	47.550	4.9	109	0.00
77 T	Bromobenzene	50.000	50.384	-0.8	107	0.00
78 T	n-propylbenzene	50.000	52.723	-5.4	107	0.00
79 T	2-Chlorotoluene	50.000	51.669	-3.3	107	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.189	-6.4	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.252	1.5	108	0.00
82 T	4-Chlorotoluene	50.000	51.412	-2.8	107	0.00
83 T	tert-Butylbenzene	50.000	54.107	-8.2	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.419	-6.8	107	0.00
85 T	sec-Butylbenzene	50.000	53.321	-6.6	109	0.00
86 T	p-Isopropyltoluene	50.000	53.924	-7.8	108	0.00
87 T	1,3-Dichlorobenzene	50.000	50.050	-0.1	106	0.00
88 T	1,4-Dichlorobenzene	50.000	49.051	1.9	105	0.00
89 T	n-Butylbenzene	50.000	54.369	-8.7	109	0.00
90 T	Hexachloroethane	50.000	49.923	0.2	107	0.00
91 T	1,2-Dichlorobenzene	50.000	50.082	-0.2	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.551	4.9	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.138	-6.3	110	0.00
94 T	Hexachlorobutadiene	50.000	50.535	-1.1	106	0.00
95 T	Naphthalene	50.000	48.012	4.0	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	53.559	-7.1	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ENTA05</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3618</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/13/2025 09:48</u>
Lab File ID:	<u>VY023774.D</u>	Init. Calib. Date(s):	<u>11/04/2025 11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19 11:27</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.328	0.286		-12.81	20
Chloromethane	0.459	0.421	0.1	-8.28	20
Vinyl Chloride	0.598	0.540		-9.7	20
Bromomethane	0.503	0.419		-16.7	20
Chloroethane	0.413	0.364		-11.86	20
Trichlorofluoromethane	0.842	0.880		4.51	20
1,1,2-Trichlorotrifluoroethane	0.464	0.474		2.15	20
1,1-Dichloroethene	0.447	0.447		0	20
Acetone	0.106	0.112		5.66	20
Carbon Disulfide	1.371	1.363		-0.58	20
Methyl tert-butyl Ether	1.036	1.102		6.37	20
Methyl Acetate	0.234	0.227		-2.99	20
Methylene Chloride	0.512	0.506		-1.17	20
trans-1,2-Dichloroethene	0.504	0.519		2.98	20
1,1-Dichloroethane	0.807	0.849	0.1	5.2	20
Cyclohexane	0.703	0.709		0.85	20
2-Butanone	0.123	0.130		5.69	20
Carbon Tetrachloride	0.492	0.525		6.71	20
cis-1,2-Dichloroethene	0.575	0.590		2.61	20
Bromochloromethane	0.309	0.332		7.44	20
Chloroform	0.901	0.934		3.66	20
1,1,1-Trichloroethane	0.805	0.835		3.73	20
Methylcyclohexane	0.534	0.574		7.49	20
Benzene	1.316	1.422		8.06	20
1,2-Dichloroethane	0.333	0.359		7.81	20
Trichloroethene	0.378	0.392		3.7	20
1,2-Dichloropropane	0.290	0.319		10	20
Bromodichloromethane	0.454	0.495		9.03	20
4-Methyl-2-Pentanone	0.162	0.190		17.28	20
Toluene	0.840	0.923		9.88	20
t-1,3-Dichloropropene	0.384	0.425		10.68	20
cis-1,3-Dichloropropene	0.460	0.507		10.22	20
1,1,2-Trichloroethane	0.241	0.261		8.3	20
2-Hexanone	0.118	0.135		14.41	20
Dibromochloromethane	0.330	0.358		8.48	20
1,2-Dibromoethane	0.226	0.244		7.97	20
Tetrachloroethene	0.520	0.481		-7.5	20
Chlorobenzene	1.089	1.101	0.3	1.1	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ENTA05</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3618</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/13/2025 09:48</u>
Lab File ID:	<u>VY023774.D</u>	Init. Calib. Date(s):	<u>11/04/2025 11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19 11:27</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.762	1.980		12.37	20
m/p-Xylenes	0.704	0.783		11.22	20
o-Xylene	0.651	0.741		13.82	20
Styrene	1.074	1.239		15.36	20
Bromoform	0.225	0.256	0.1	13.78	20
Isopropylbenzene	3.344	3.765		12.59	20
1,1,2,2-Tetrachloroethane	0.534	0.588	0.3	10.11	20
1,3-Dichlorobenzene	1.707	1.777		4.1	20
1,4-Dichlorobenzene	1.677	1.701		1.43	20
1,2-Dichlorobenzene	1.471	1.510		2.65	20
1,2-Dibromo-3-Chloropropane	0.082	0.087		6.1	20
1,2,4-Trichlorobenzene	0.842	0.868		3.09	20
1,2,3-Trichlorobenzene	0.703	0.670		-4.69	20
1,2-Dichloroethane-d4	0.427	0.433		1.4	20
Dibromofluoromethane	0.312	0.324		3.85	20
Toluene-d8	1.164	1.231		5.76	20
4-Bromofluorobenzene	0.376	0.495		31.65	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\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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 :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	535734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	769382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	787003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	393514	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	232074	50.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.634	113	249525	51.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.800%	
50) Toluene-d8	10.109	98	947301	52.891	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.780%	
62) 4-Bromofluorobenzene	12.408	95	380600	65.710	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 131.420%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	153156	43.551	ug/l	99
3) Chloromethane	2.074	50	225434	45.809	ug/l	98
4) Vinyl Chloride	2.208	62	289443	45.200	ug/l	98
5) Bromomethane	2.599	94	224410	41.661	ug/l	96
6) Chloroethane	2.739	64	195187	44.101	ug/l	99
7) Trichlorofluoromethane	3.062	101	471261	52.254	ug/l	99
8) Diethyl Ether	3.458	74	121627	50.290	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	254154	51.148	ug/l	100
10) Methyl Iodide	4.007	142	300594	51.229	ug/l	100
11) Tert butyl alcohol	4.854	59	79122	268.512	ug/l	99
12) 1,1-Dichloroethene	3.793	96	239632	50.063	ug/l	99
13) Acrolein	3.653	56	52209	137.849	ug/l	99
14) Allyl chloride	4.385	41	312682	53.669	ug/l	95
15) Acrylonitrile	5.055	53	255925	276.898	ug/l	99
16) Acetone	3.867	43	300501	264.541	ug/l	97
17) Carbon Disulfide	4.110	76	730386	49.716	ug/l	99
18) Methyl Acetate	4.385	43	121442	48.470	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	590306	53.185	ug/l	97
20) Methylene Chloride	4.616	84	271105	49.438	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	277847	51.482	ug/l	92
22) Diisopropyl ether	6.019	45	724113	55.778	ug/l	97
23) Vinyl Acetate	5.958	43	1988757	287.068	ug/l	98
24) 1,1-Dichloroethane	5.915	63	454928	52.602	ug/l	99
25) 2-Butanone	6.897	43	347692	264.738	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416127	52.307	ug/l	100
27) cis-1,2-Dichloroethene	6.897	96	316159	51.293	ug/l	97
28) Bromochloromethane	7.244	49	177667	53.652	ug/l	96
29) Tetrahydrofuran	7.262	42	198772	284.185	ug/l	97
30) Chloroform	7.421	83	500360	51.853	ug/l	100
31) Cyclohexane	7.701	56	379657	50.408	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	447239	51.858	ug/l	99
36) 1,1-Dichloropropene	7.835	75	345108	53.714	ug/l	99
37) Ethyl Acetate	6.982	43	143974	57.886	ug/l	100
38) Carbon Tetrachloride	7.817	117	403694	53.328	ug/l	97
39) Methylcyclohexane	9.110	83	441809	53.818	ug/l	96
40) Benzene	8.079	78	1093681	54.004	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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 :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:20:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:41:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	67188	49.489	ug/l	90
42) 1,2-Dichloroethane	8.159	62	276317	53.930	ug/l	99
43) Isopropyl Acetate	8.195	43	262605	56.193	ug/l	99
44) Trichloroethene	8.866	130	301949	51.910	ug/l	96
45) 1,2-Dichloropropane	9.140	63	245362	54.896	ug/l	100
46) Dibromomethane	9.231	93	151169	54.586	ug/l	98
47) Bromodichloromethane	9.420	83	380563	54.504	ug/l	99
48) Methyl methacrylate	9.219	41	128160	58.046	ug/l	98
49) 1,4-Dioxane	9.225	88	31032	1094.931	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	729813	293.657	ug/l	99
52) Toluene	10.170	92	709757	54.895	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	327128	55.371	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	390104	55.113	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	200597	54.201	ug/l	95
56) Ethyl methacrylate	10.439	69	243194	59.640	ug/l	99
57) 1,3-Dichloropropane	10.719	76	324147	55.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	567252	303.155	ug/l	98
59) 2-Hexanone	10.762	43	519217	286.358	ug/l	100
60) Dibromochloromethane	10.914	129	275080	54.095	ug/l	99
61) 1,2-Dibromoethane	11.018	107	187603	54.013	ug/l	99
64) Tetrachloroethene	10.646	164	378366	46.190	ug/l	98
65) Chlorobenzene	11.445	112	866308	50.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	330235	54.509	ug/l	99
67) Ethyl Benzene	11.518	91	1558469	56.203	ug/l	99
68) m/p-Xylenes	11.627	106	1232148	111.216	ug/l	98
69) o-Xylene	11.957	106	583473	56.973	ug/l	99
70) Styrene	11.969	104	975092	57.707	ug/l	99
71) Bromoform	12.133	173	201730	57.012	ug/l #	100
73) Isopropylbenzene	12.255	105	1481388	56.286	ug/l	100
74) N-amyl acetate	12.072	43	233575	52.419	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	231287	55.023	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178573m	56.071	ug/l	
77) Bromobenzene	12.530	156	380070	55.672	ug/l	97
78) n-propylbenzene	12.597	91	1707917	55.169	ug/l	100
79) 2-Chlorotoluene	12.682	91	1001802	55.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1195577	55.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77062	54.684	ug/l	97
82) 4-Chlorotoluene	12.780	91	1013044	54.680	ug/l	99
83) tert-Butylbenzene	12.999	119	1006497	51.679	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1151348	54.360	ug/l	99
85) sec-Butylbenzene	13.176	105	1548572	55.127	ug/l	100
86) p-Isopropyltoluene	13.292	119	1307126	54.967	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	699161	52.033	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	669229	50.702	ug/l	99
89) n-Butylbenzene	13.615	91	1139075	55.085	ug/l	98
90) Hexachloroethane	13.877	117	259100	50.701	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	594274	51.320	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34039	52.594	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	341751	51.597	ug/l	100
94) Hexachlorobutadiene	15.023	225	198442	45.727	ug/l	99
95) Naphthalene	15.145	128	486905	42.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	263770	47.665	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023774.D
Acq On : 13 Nov 2025 09:48
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 :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:20:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

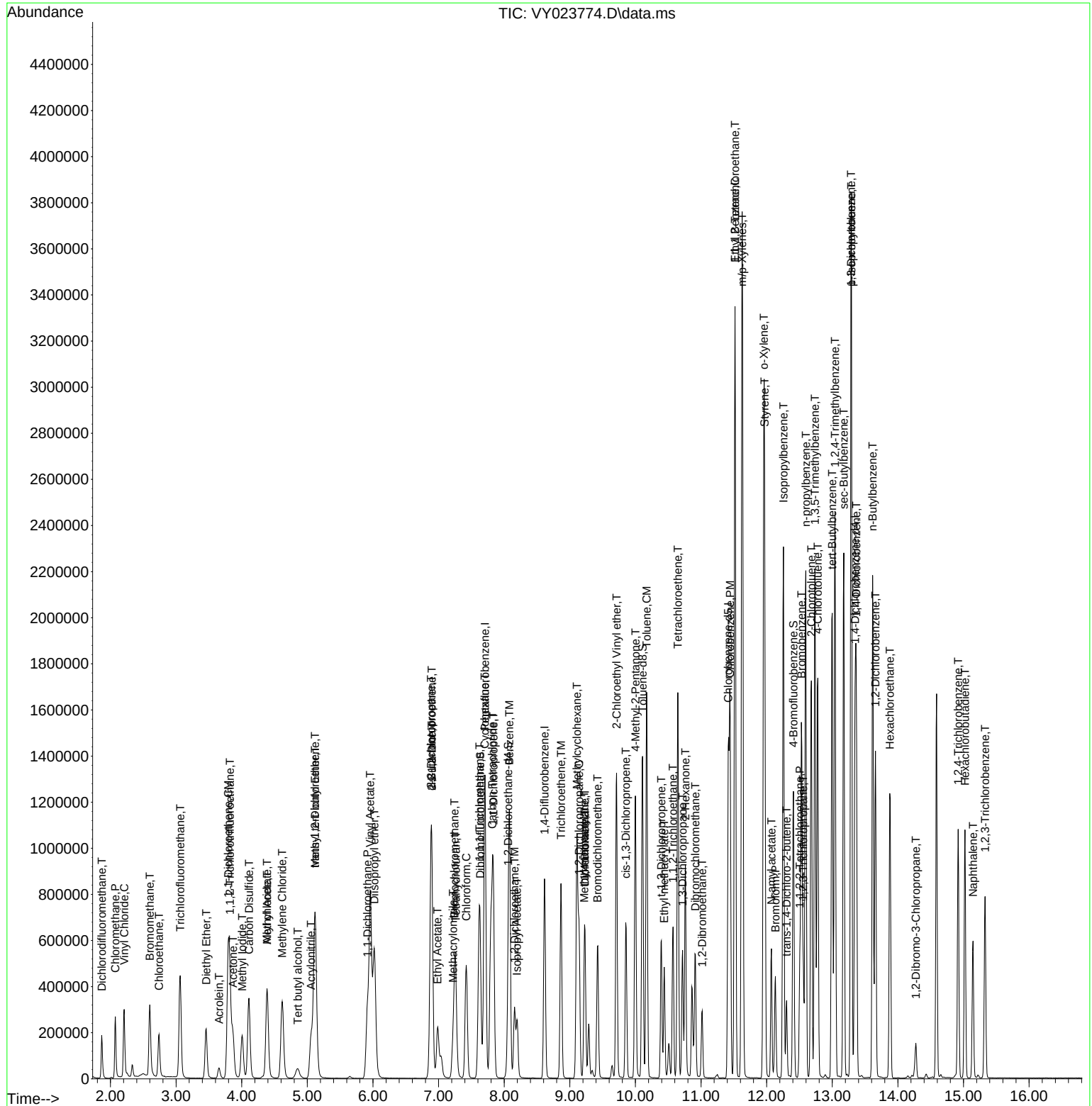
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY11325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

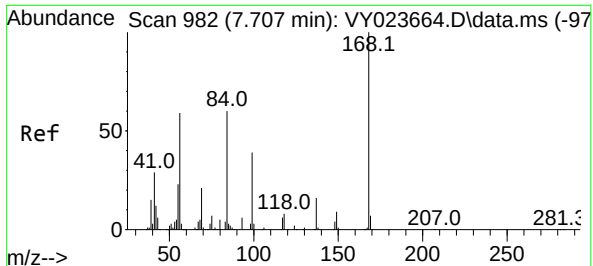
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

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Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

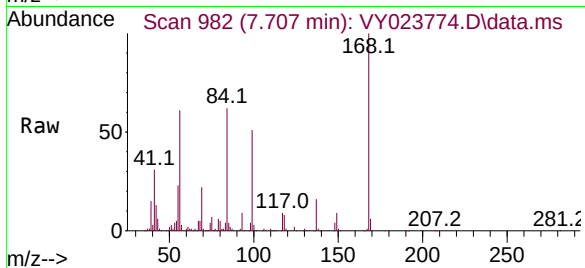
Quant Time: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

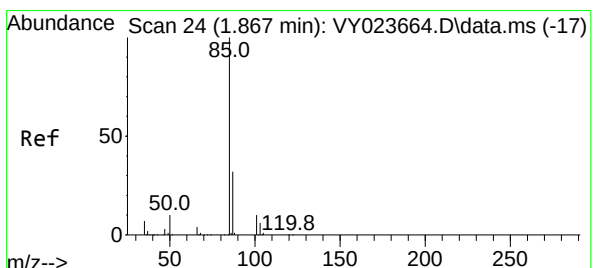
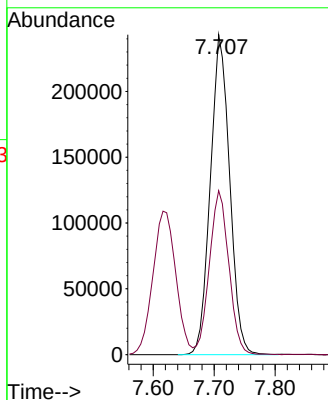
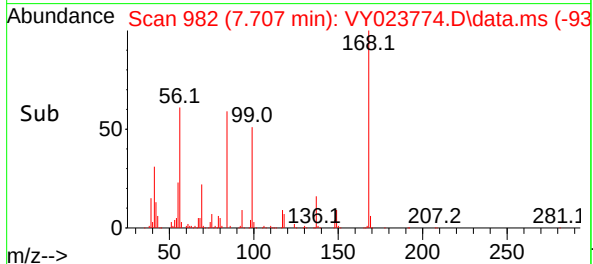
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 535734
Ion Ratio Lower Upper
168 100
99 51.2 41.0 61.4

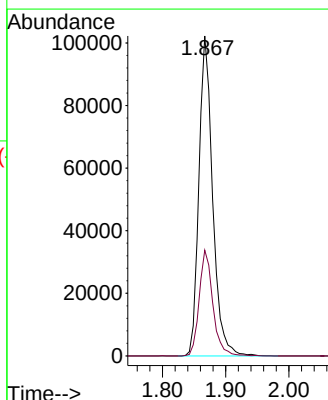
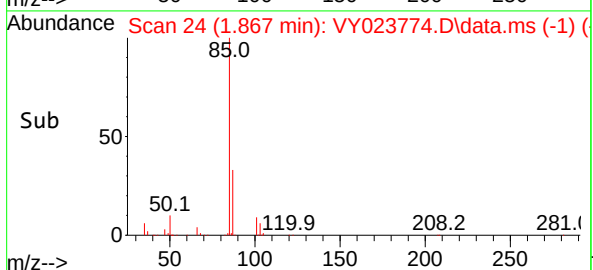
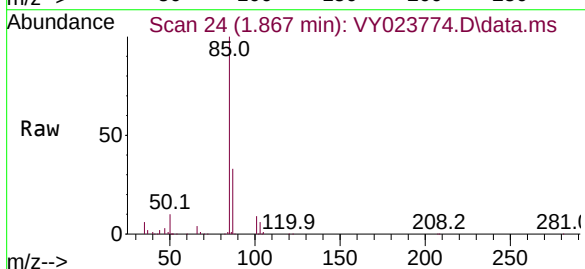
Manual Integrations
APPROVED

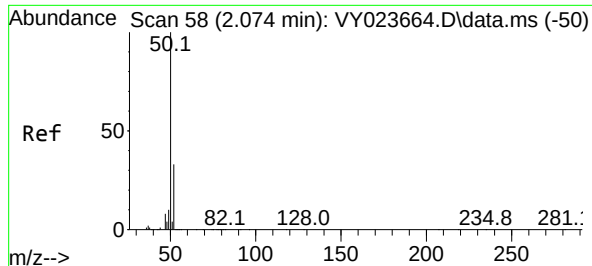
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 43.551 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

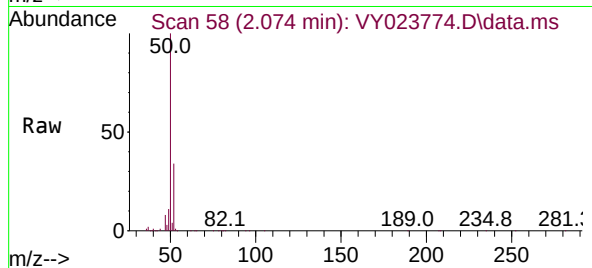
Tgt Ion: 85 Resp: 153156
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





#3
Chloromethane
Concen: 45.809 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

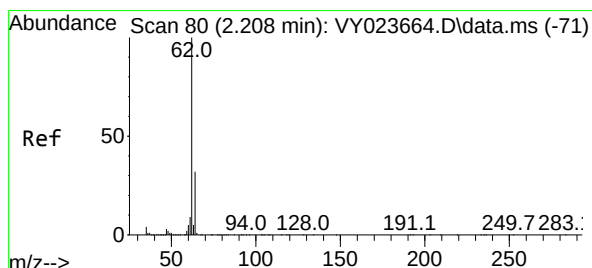
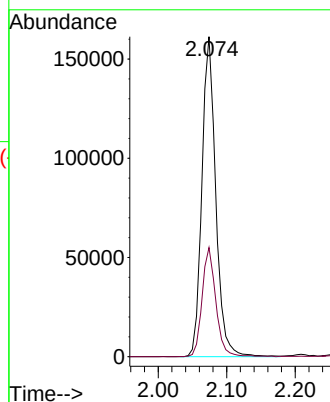
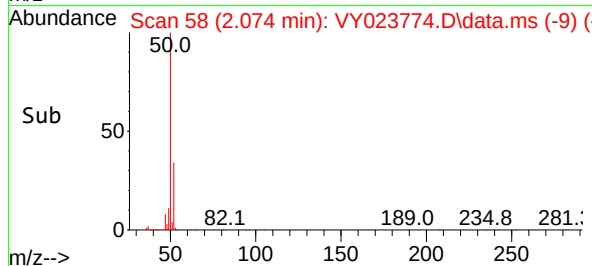
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



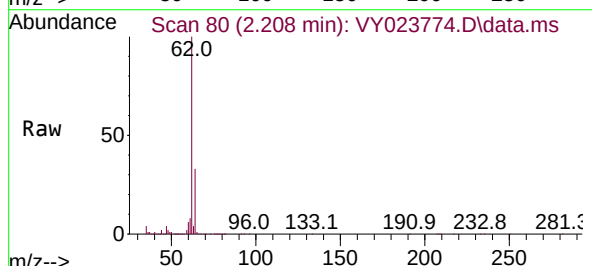
Tgt Ion: 50 Resp: 225434
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7

Manual Integrations
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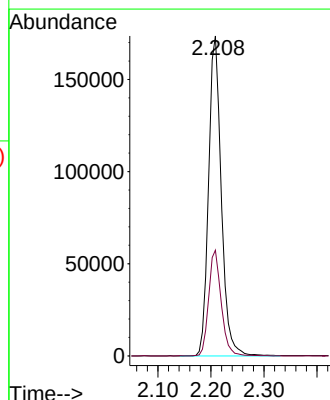
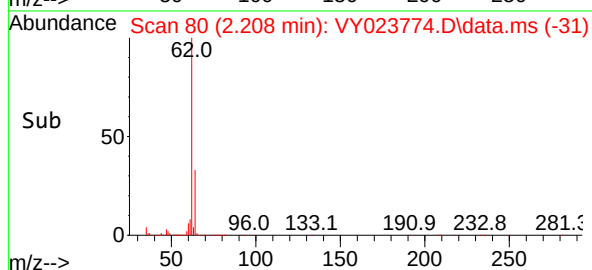
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

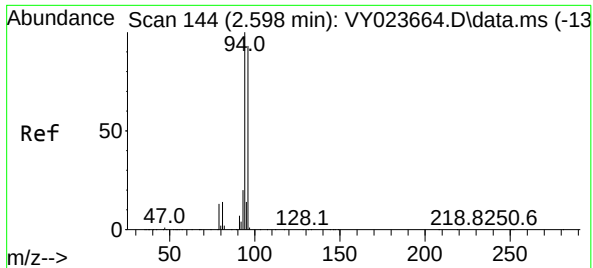


#4
Vinyl Chloride
Concen: 45.200 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



Tgt Ion: 62 Resp: 289443
Ion Ratio Lower Upper
62 100
64 33.0 25.7 38.5





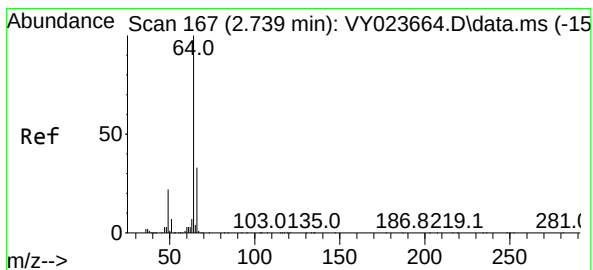
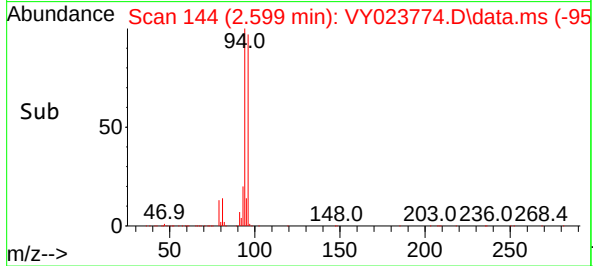
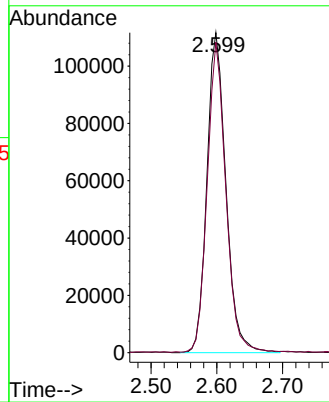
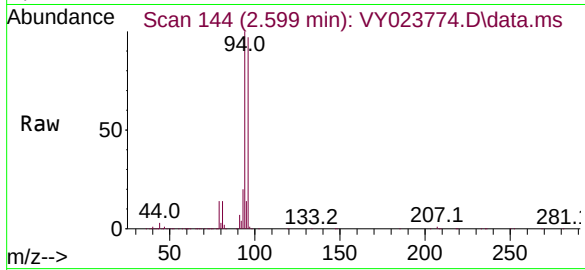
#5
Bromomethane
Concen: 41.661 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 224410
Ion Ratio Lower Upper
94 100
96 96.8 74.4 111.6

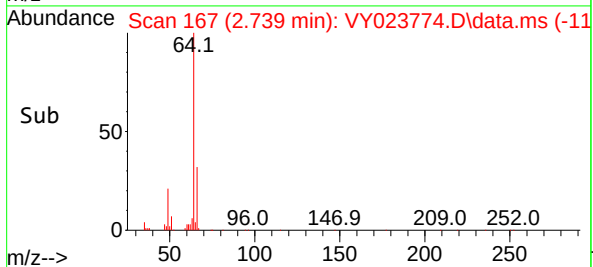
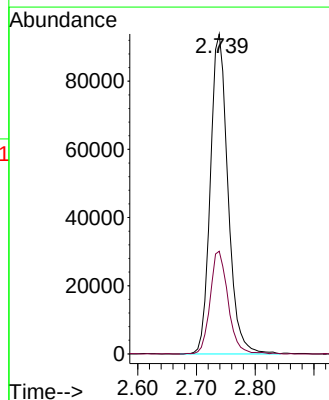
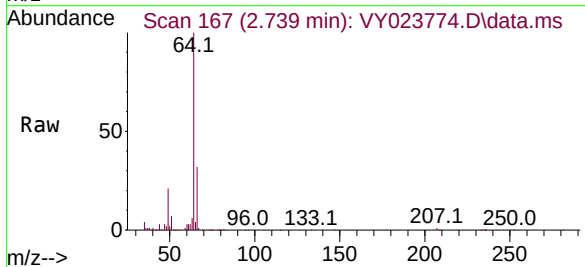
Manual Integrations
APPROVED

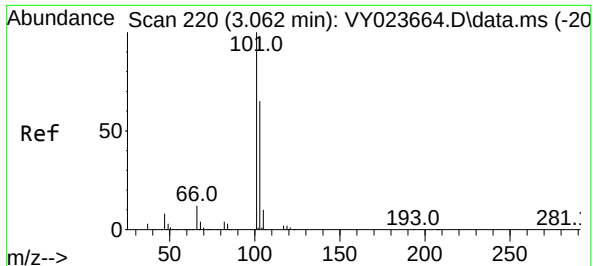
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#6
Chloroethane
Concen: 44.101 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

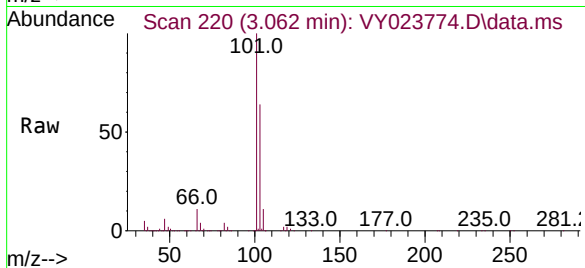
Tgt Ion: 64 Resp: 195187
Ion Ratio Lower Upper
64 100
66 32.1 26.2 39.4





#7
Trichlorofluoromethane
Concen: 52.254 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

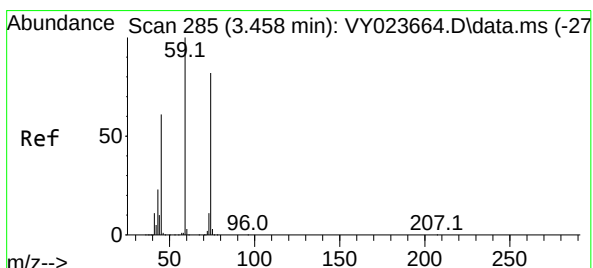
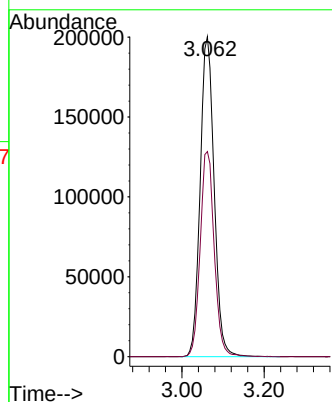
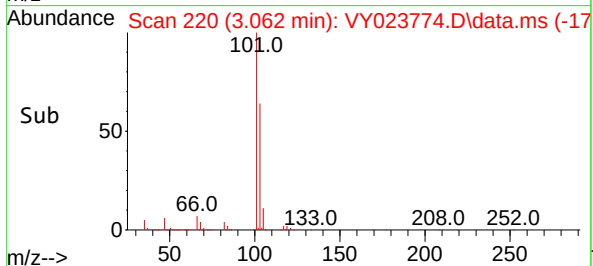
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 471263
Ion Ratio Lower Upper
101 100
103 64.1 52.1 78.1

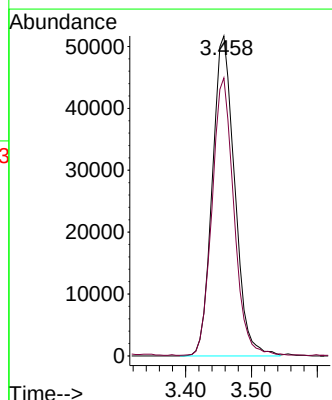
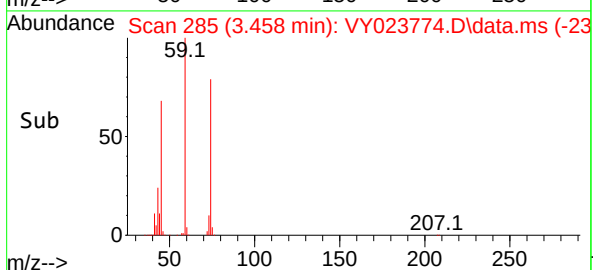
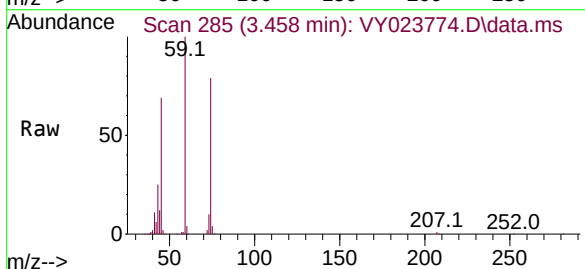
Manual Integrations
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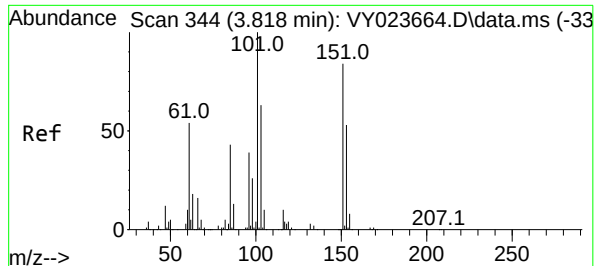
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#8
Diethyl Ether
Concen: 50.290 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

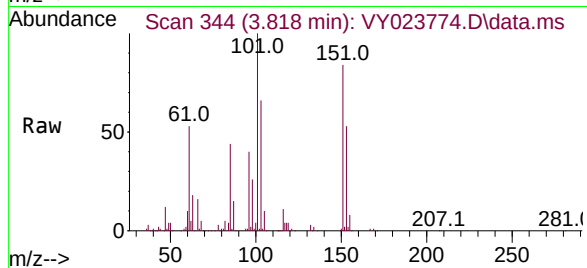
Tgt Ion: 74 Resp: 121627
Ion Ratio Lower Upper
74 100
45 84.8 40.6 121.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.148 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

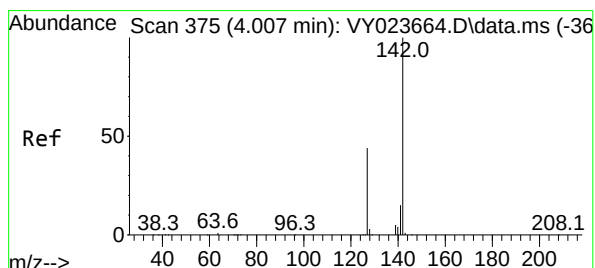
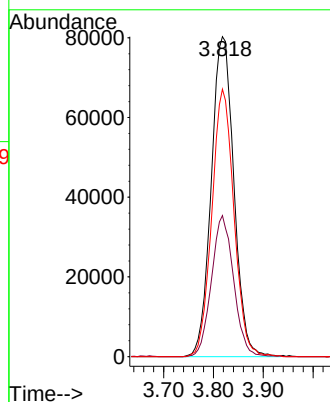
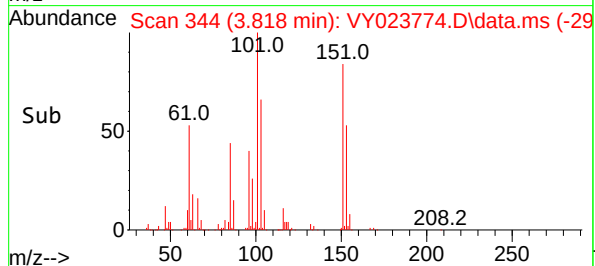
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



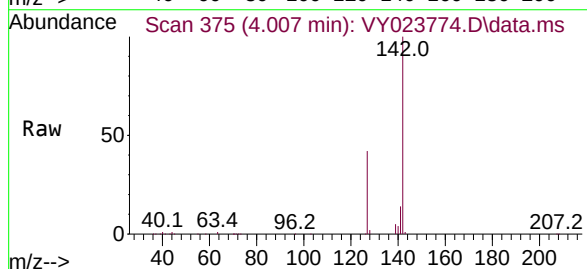
Tgt Ion:101 Resp: 254154
Ion Ratio Lower Upper
101 100
85 43.1 34.4 51.6
151 81.6 65.6 98.4

Manual Integrations
APPROVED

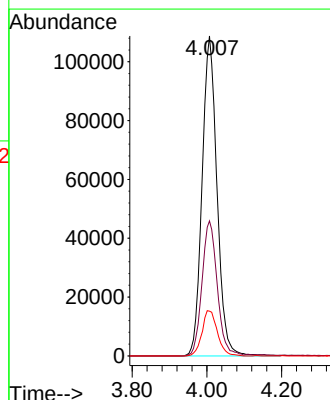
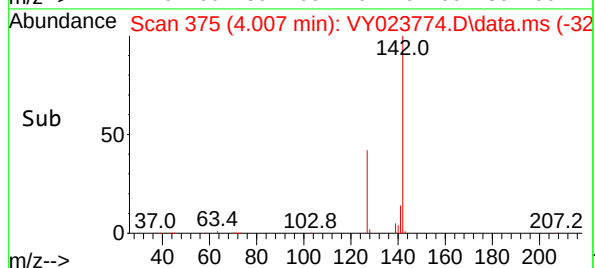
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

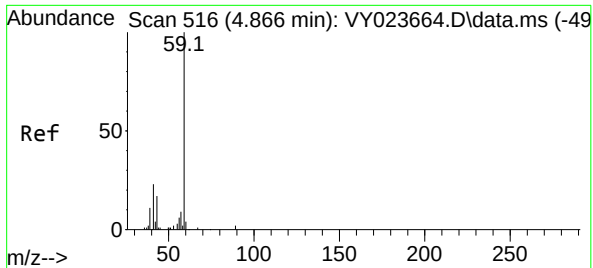


#10
Methyl Iodide
Concen: 51.229 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



Tgt Ion:142 Resp: 300594
Ion Ratio Lower Upper
142 100
127 43.1 34.6 51.8
141 14.6 11.6 17.4





#11

Tert butyl alcohol

Concen: 268.512 ug/l

RT: 4.854 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 7912

Ion Ratio Lower Upper

59 100

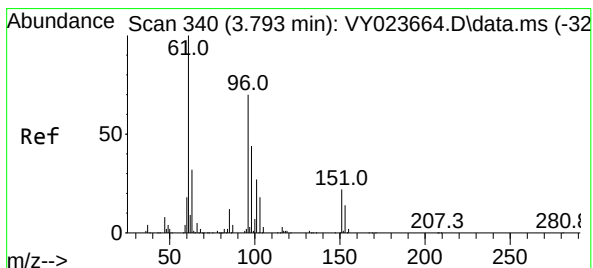
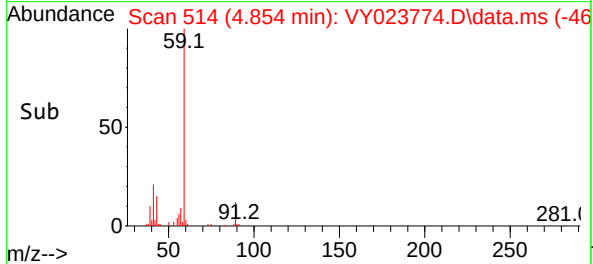
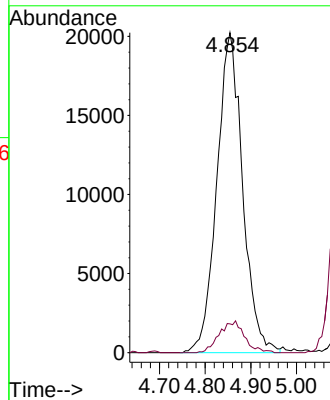
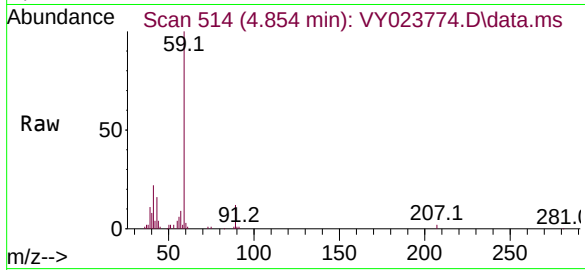
57 9.7 7.4 11.2

Manual Integrations

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Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#12

1,1-Dichloroethene

Concen: 50.063 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

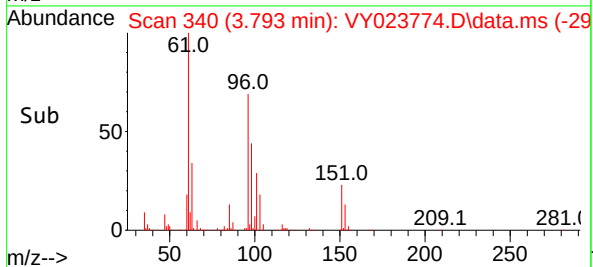
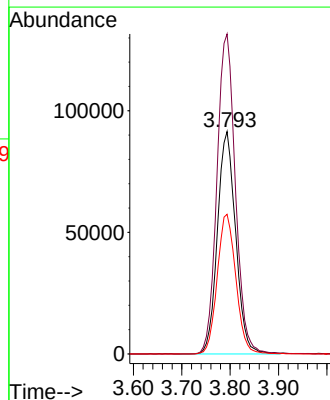
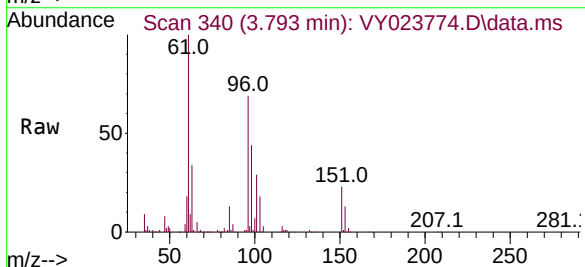
Tgt Ion: 96 Resp: 239632

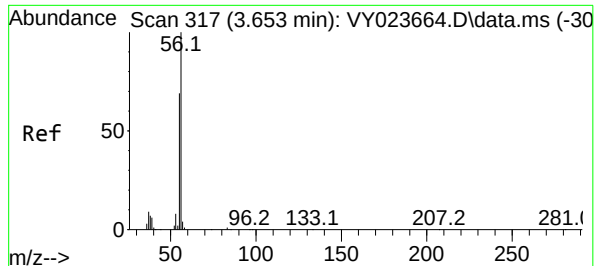
Ion Ratio Lower Upper

96 100

61 143.9 114.0 171.0

98 62.8 50.2 75.2





#13

Acrolein

Concen: 137.849 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023774.D

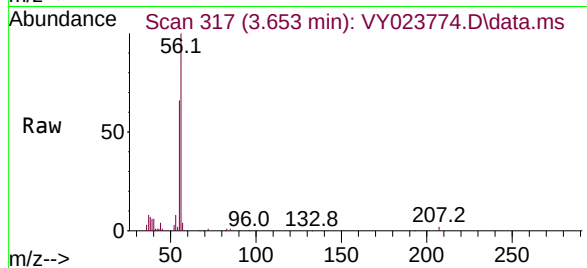
Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 52209

Ion Ratio Lower Upper

56 100

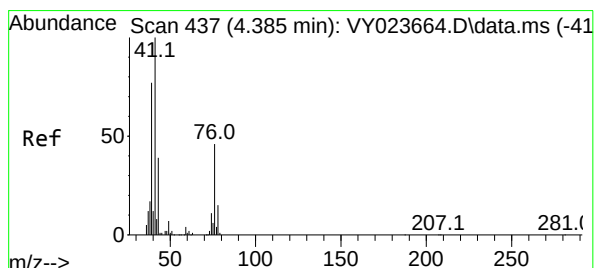
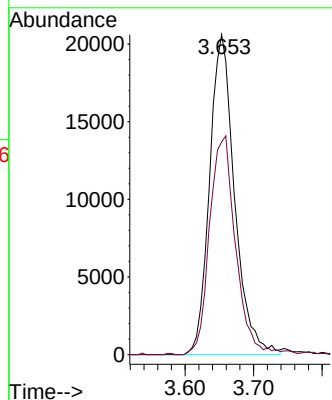
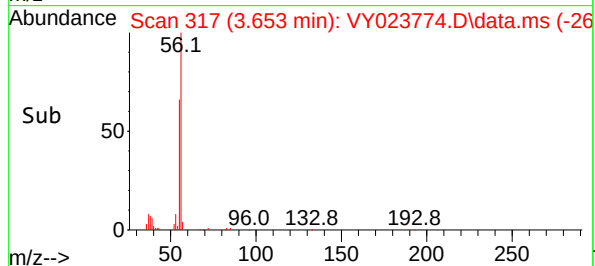
55 71.3 56.6 84.8

Manual Integrations

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Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#14

Allyl chloride

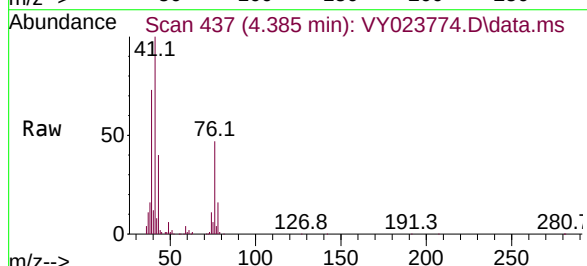
Concen: 53.669 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48



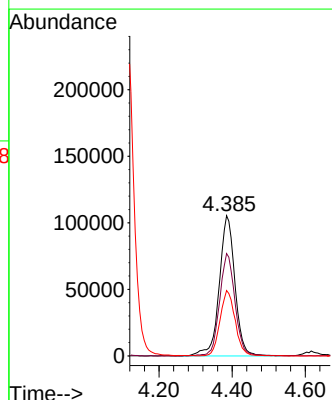
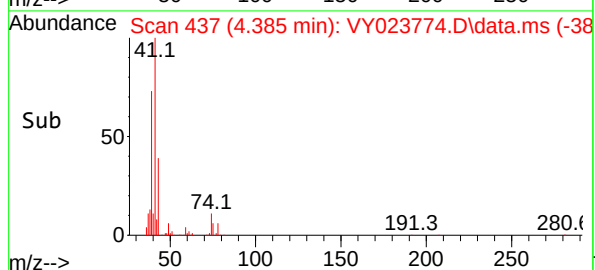
Tgt Ion: 41 Resp: 312682

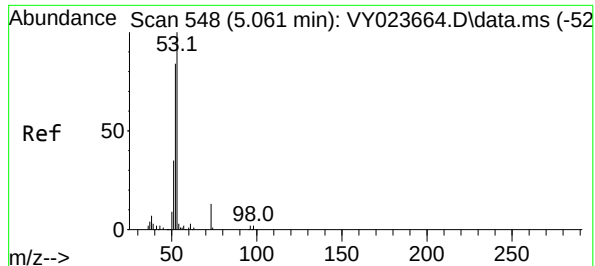
Ion Ratio Lower Upper

41 100

39 71.5 60.4 90.6

76 44.6 38.0 57.0





#15

Acrylonitrile

Concen: 276.898 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 255925

Ion Ratio Lower Upper

53 100

52 80.3 64.9 97.3

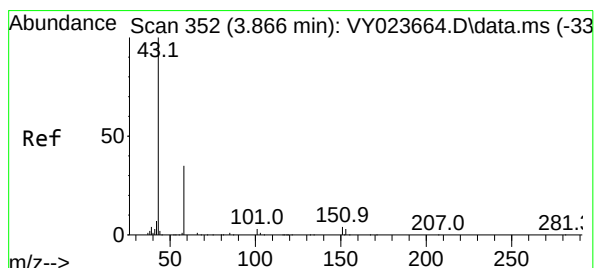
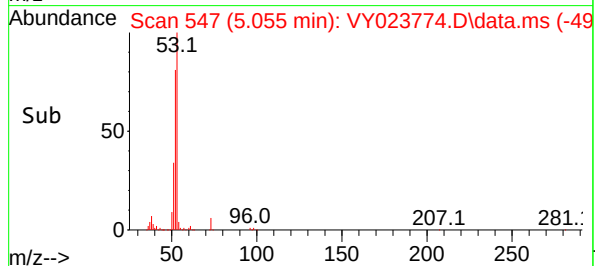
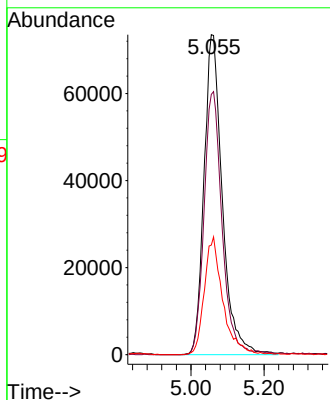
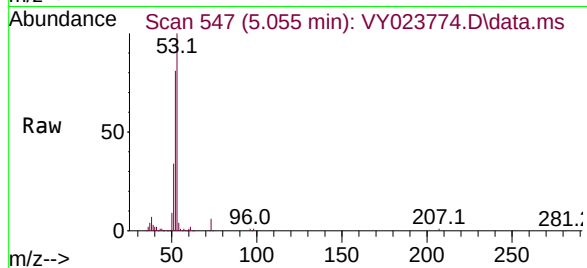
51 37.2 29.4 44.0

Manual Integrations

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Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#16

Acetone

Concen: 264.541 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023774.D

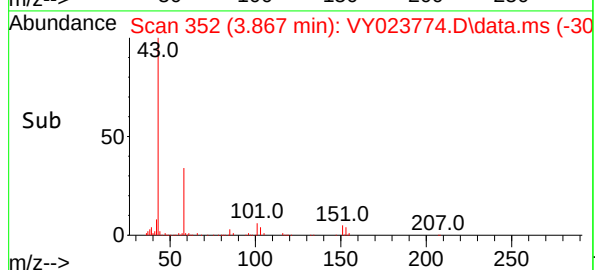
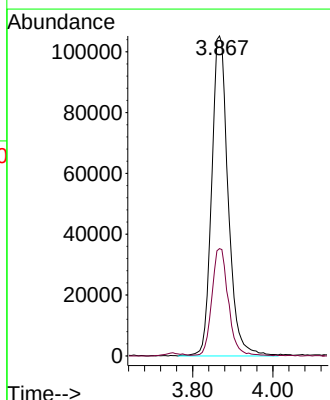
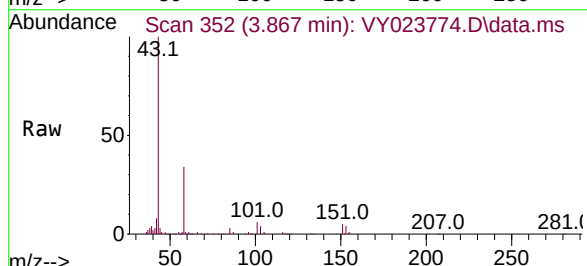
Acq: 13 Nov 2025 09:48

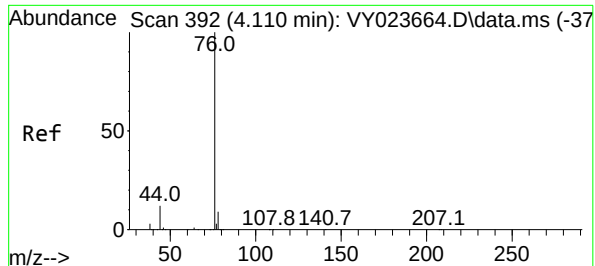
Tgt Ion: 43 Resp: 300501

Ion Ratio Lower Upper

43 100

58 33.4 28.2 42.4





#17

Carbon Disulfide

Concen: 49.716 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 730386

Ion Ratio Lower Upper

76 100

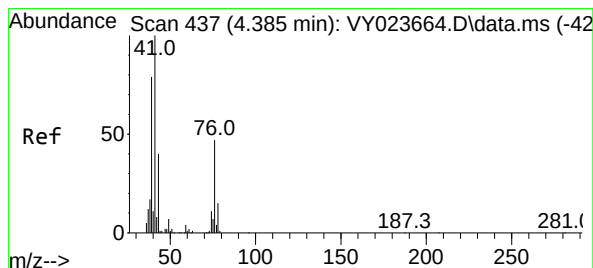
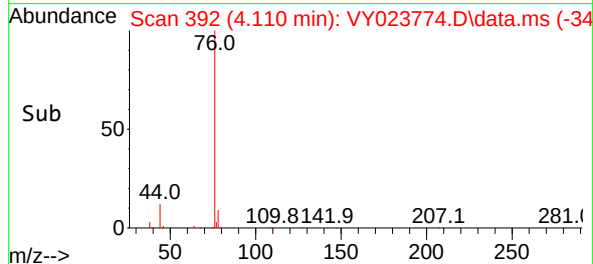
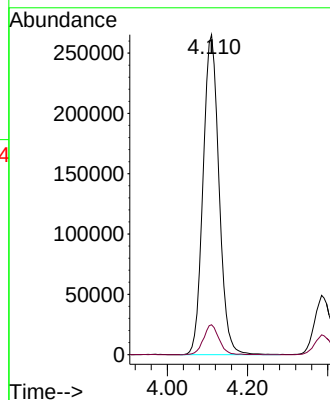
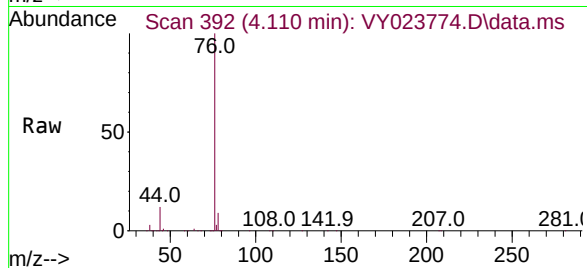
78 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#18

Methyl Acetate

Concen: 48.470 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023774.D

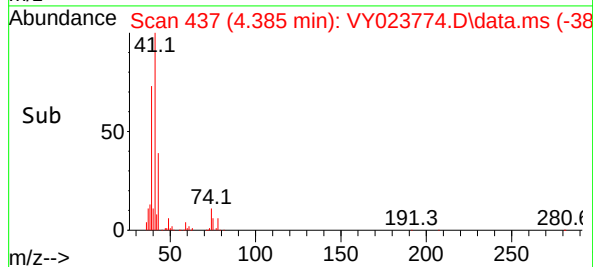
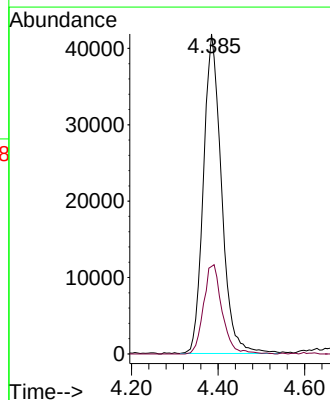
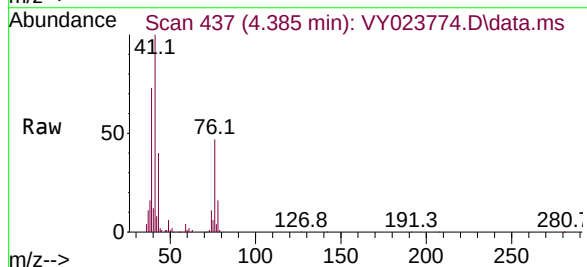
Acq: 13 Nov 2025 09:48

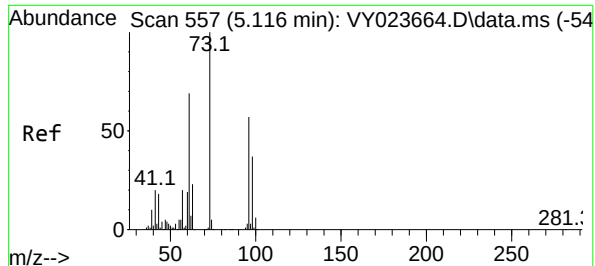
Tgt Ion: 43 Resp: 121442

Ion Ratio Lower Upper

43 100

74 28.5 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 53.185 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 590306

Ion Ratio Lower Upper

73 100

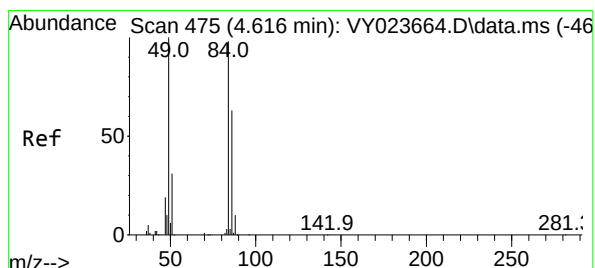
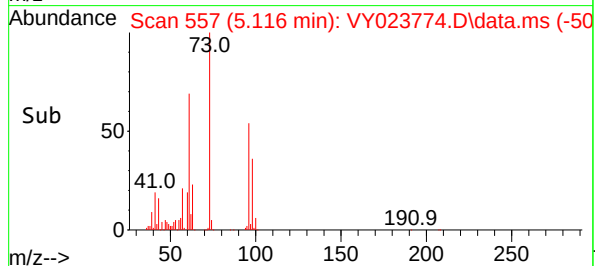
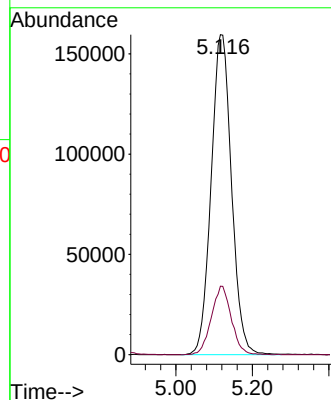
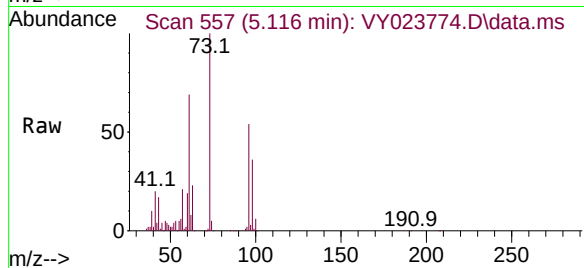
57 21.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#20

Methylene Chloride

Concen: 49.438 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Tgt Ion: 84 Resp: 271105

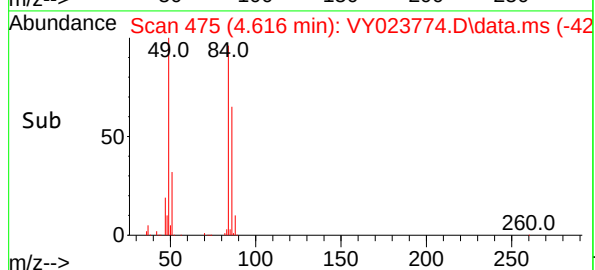
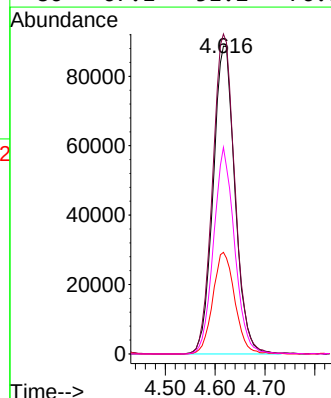
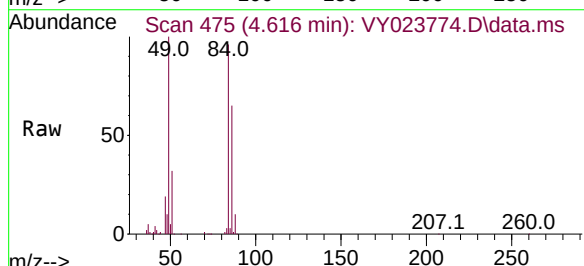
Ion Ratio Lower Upper

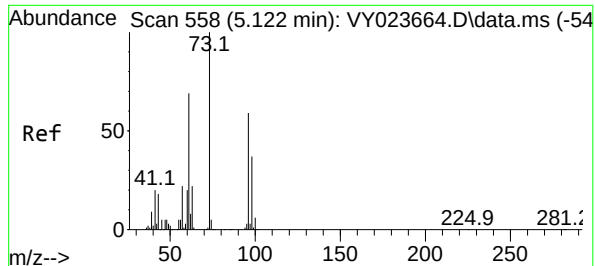
84 100

49 103.9 81.5 122.3

51 33.0 25.5 38.3

86 67.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.482 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023774.D

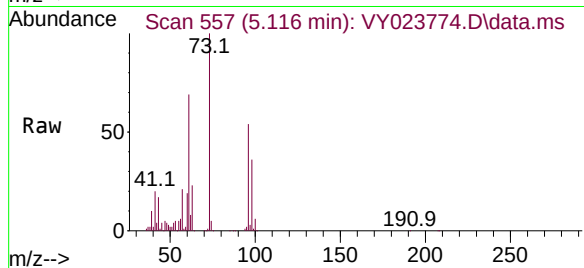
Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 27784

Ion Ratio Lower Upper

96 100

61 127.7 93.3 139.9

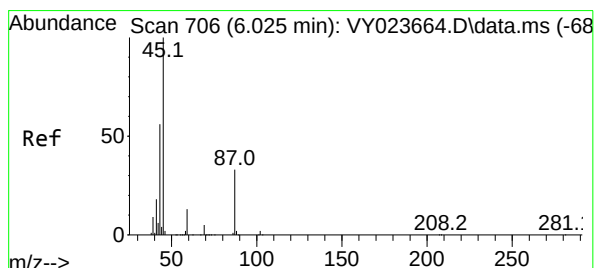
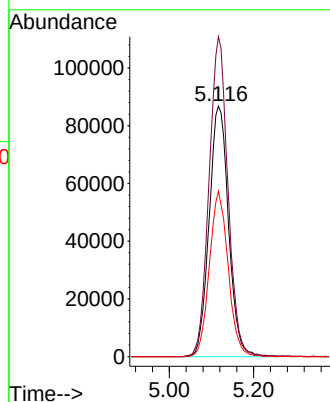
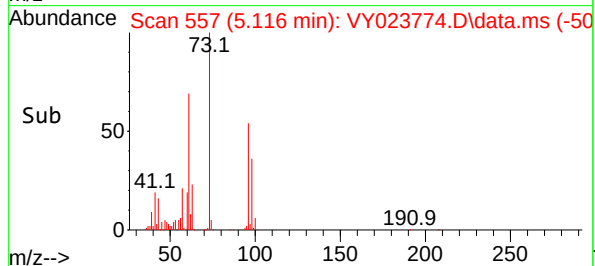
98 66.0 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#22

Diisopropyl ether

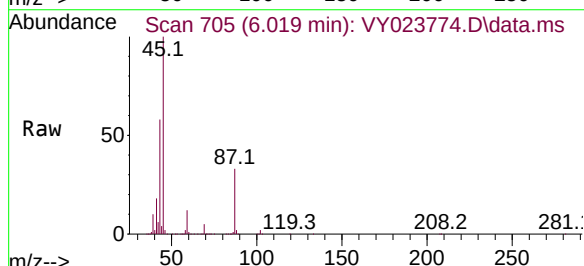
Concen: 55.778 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48



Tgt Ion: 45 Resp: 724113

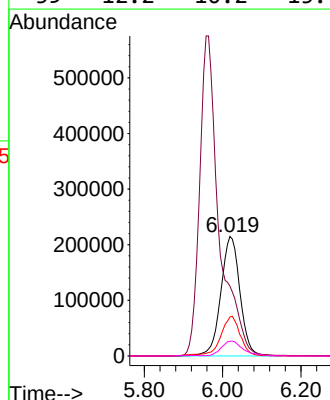
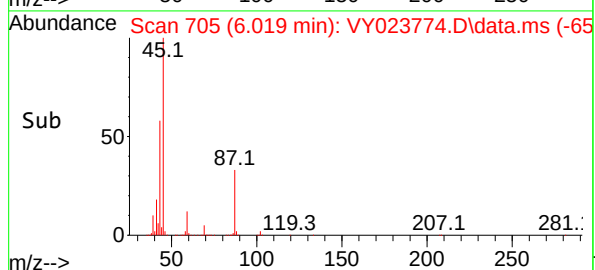
Ion Ratio Lower Upper

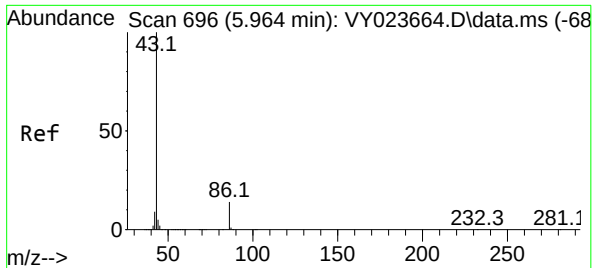
45 100

43 58.3 44.7 67.1

87 32.6 27.2 40.8

59 12.2 10.2 15.4





#23

Vinyl Acetate

Concen: 287.068 ug/l

RT: 5.958 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 198875

Ion Ratio Lower Upper

43 100

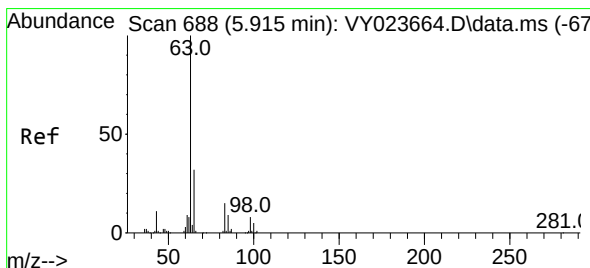
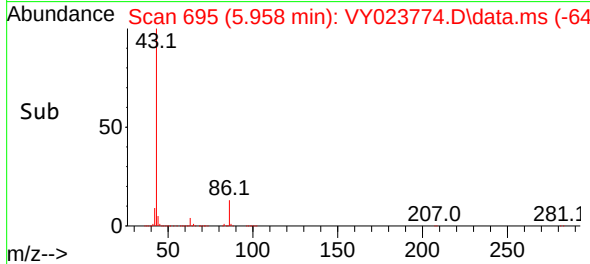
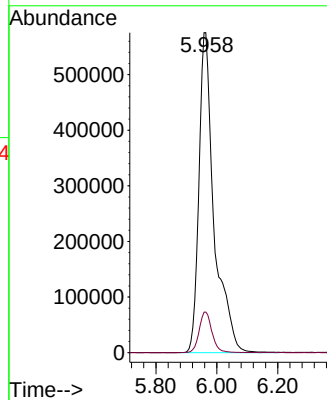
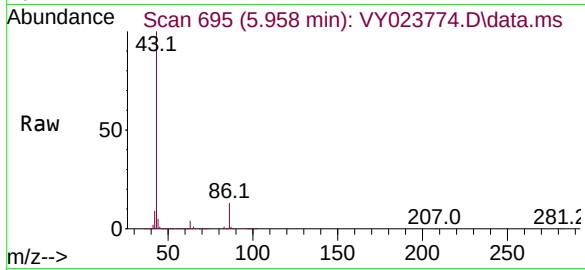
86 12.6 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#24

1,1-Dichloroethane

Concen: 52.602 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

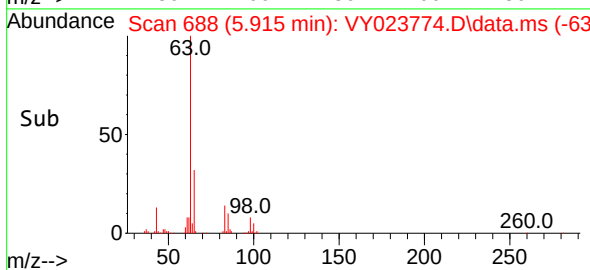
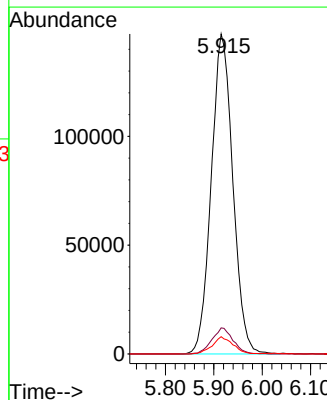
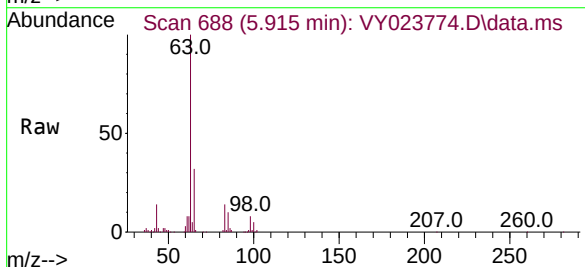
Tgt Ion: 63 Resp: 454928

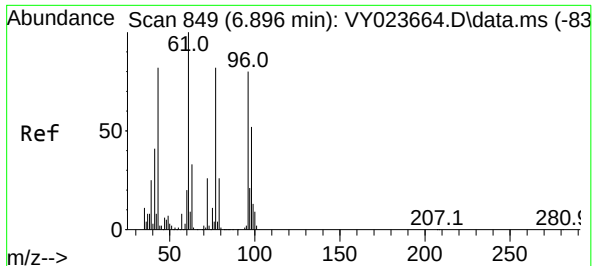
Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

100 5.4 2.6 7.8





#25

2-Butanone

Concen: 264.738 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 347692

Ion Ratio Lower Upper

43 100

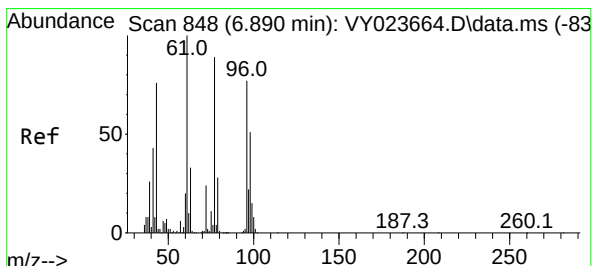
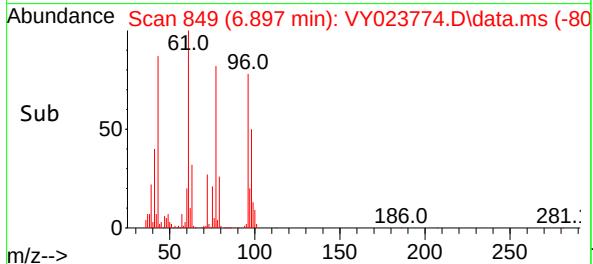
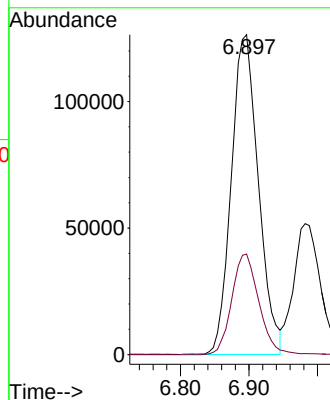
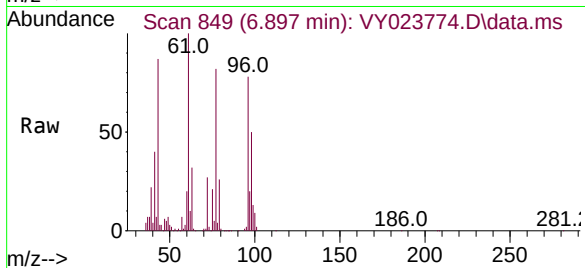
72 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#26

2,2-Dichloropropane

Concen: 52.307 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023774.D

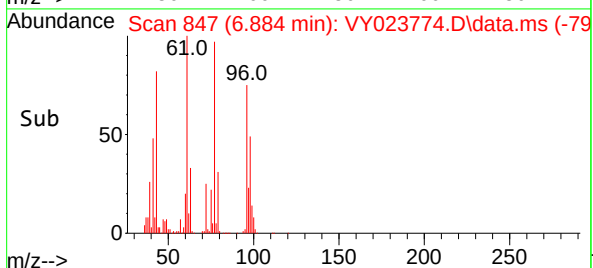
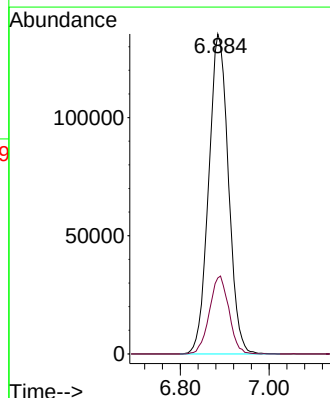
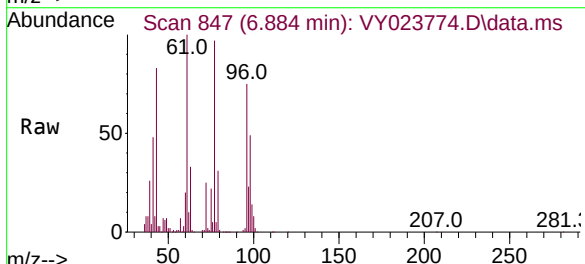
Acq: 13 Nov 2025 09:48

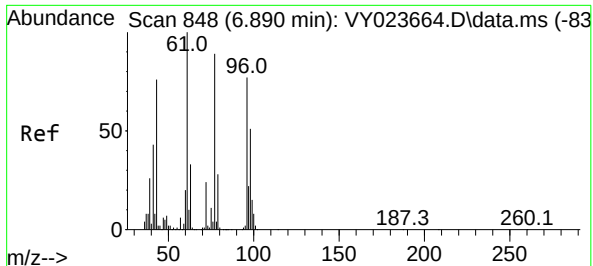
Tgt Ion: 77 Resp: 416127

Ion Ratio Lower Upper

77 100

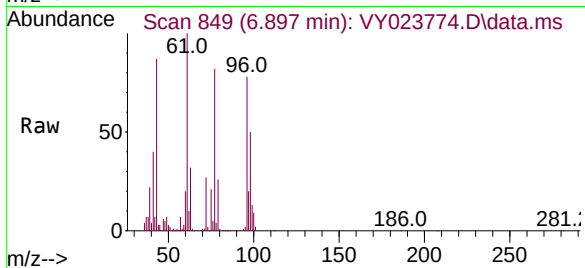
97 24.0 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 51.293 ug/l
 RT: 6.897 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48

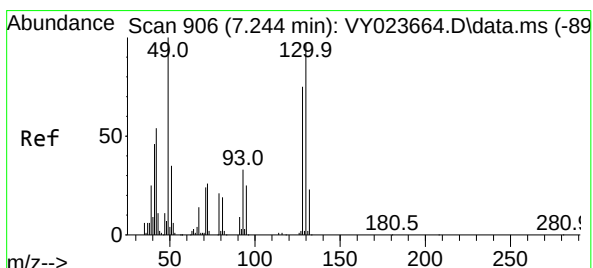
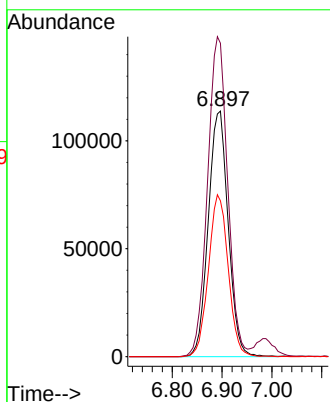
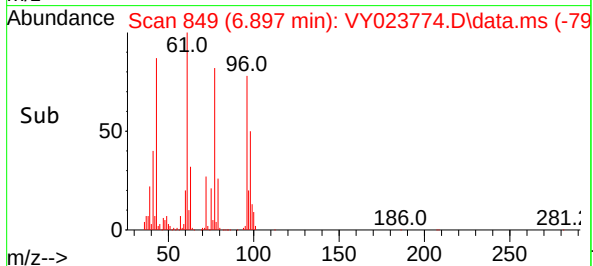
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



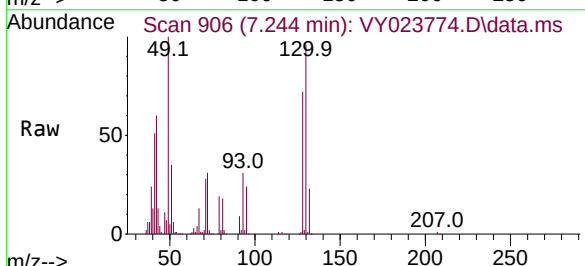
Tgt Ion: 96 Resp: 316159
 Ion Ratio Lower Upper
 96 100
 61 131.7 0.0 255.0
 98 65.4 0.0 129.8

Manual Integrations
 APPROVED

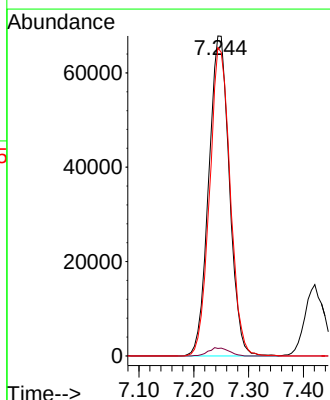
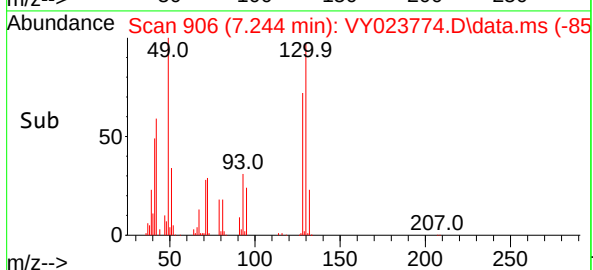
Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

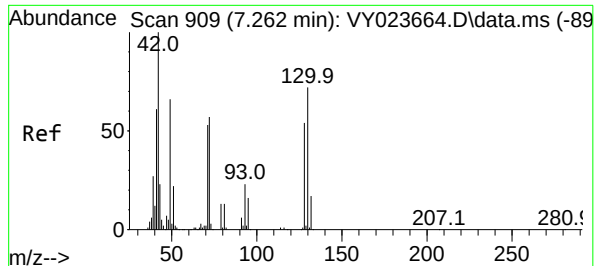


#28
 Bromochloromethane
 Concen: 53.652 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48



Tgt Ion: 49 Resp: 177667
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.0
 130 95.7 80.1 120.1





#29

Tetrahydrofuran

Concen: 284.185 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 198772

Ion Ratio Lower Upper

42 100

72 52.2 43.4 65.2

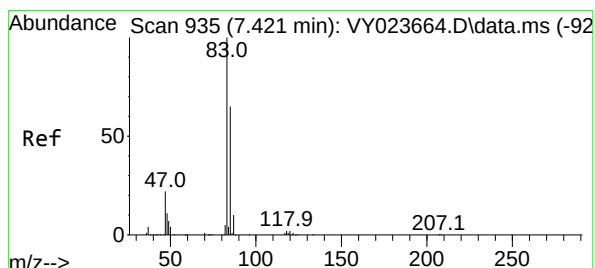
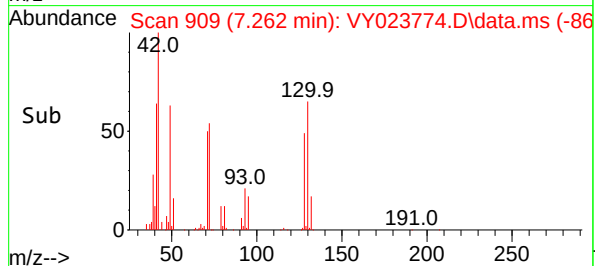
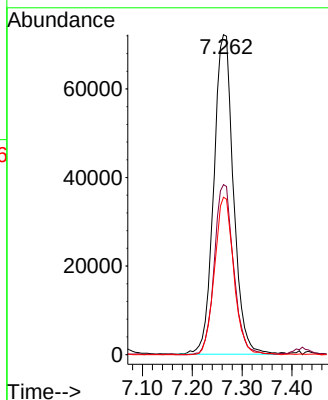
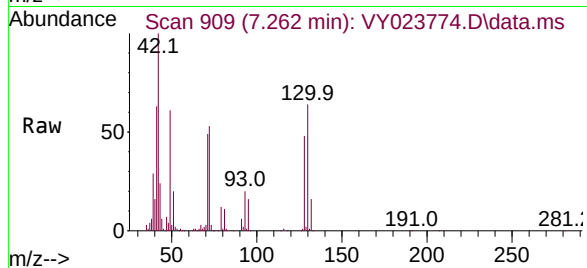
71 48.3 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 51.853 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023774.D

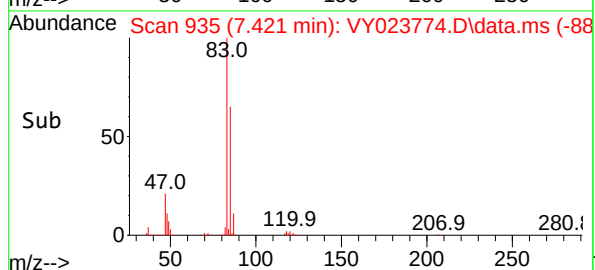
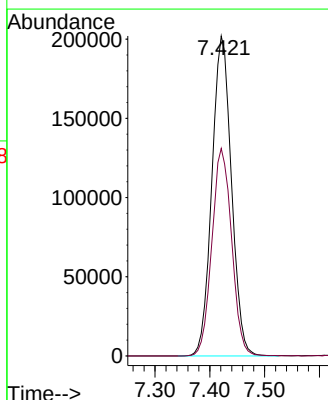
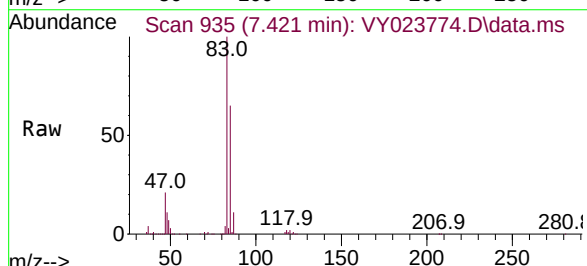
Acq: 13 Nov 2025 09:48

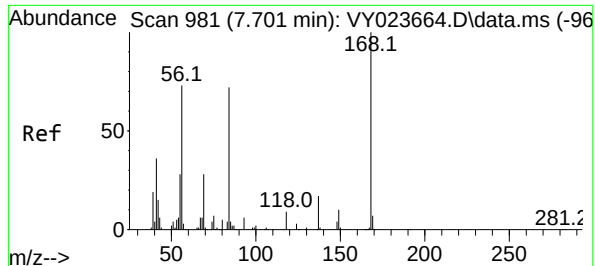
Tgt Ion: 83 Resp: 500360

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1





#31

Cyclohexane

Concen: 50.408 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 379652

Ion Ratio Lower Upper

56 100

69 35.1 30.5 45.7

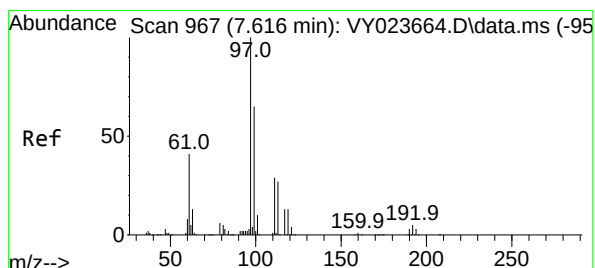
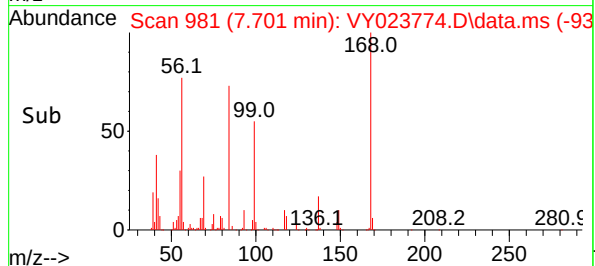
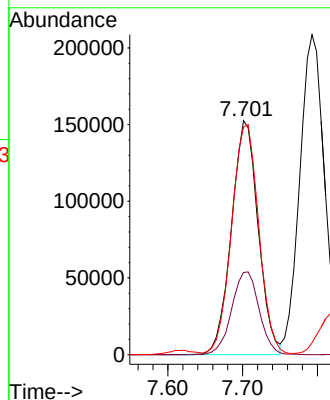
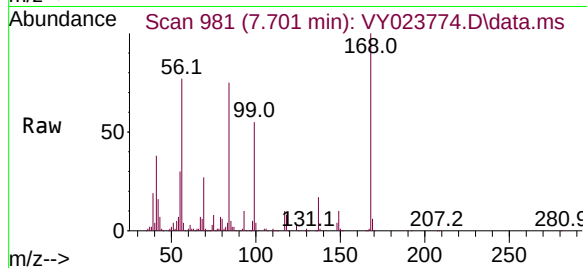
84 95.5 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#32

1,1,1-Trichloroethane

Concen: 51.858 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

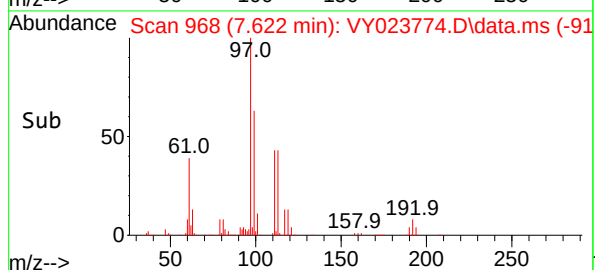
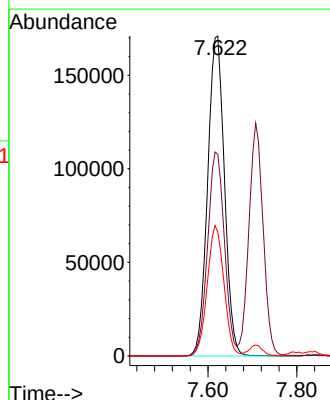
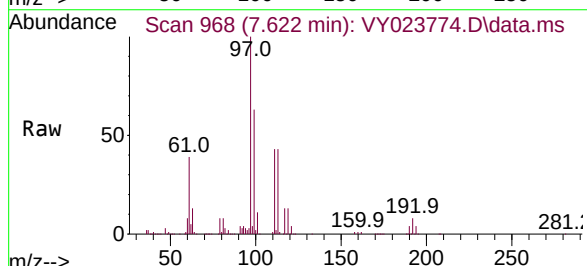
Tgt Ion: 97 Resp: 447239

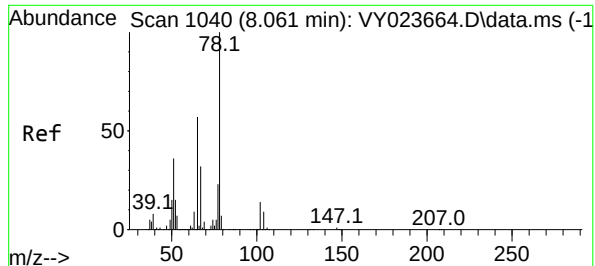
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 40.4 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 50.783 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 232074

Ion Ratio Lower Upper

65 100

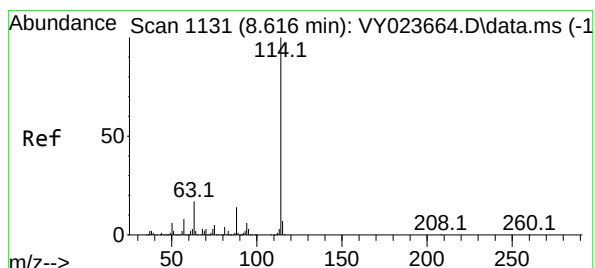
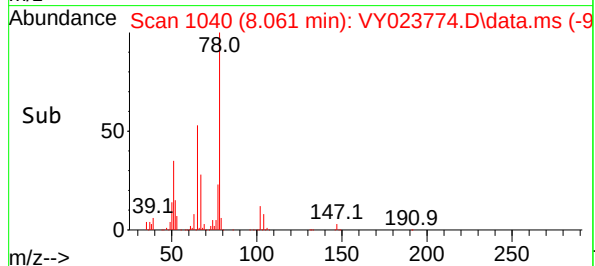
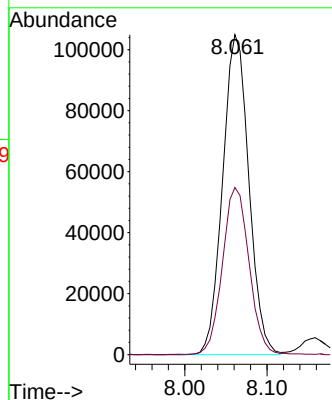
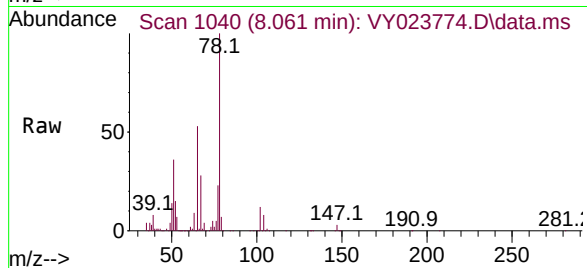
67 53.3 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

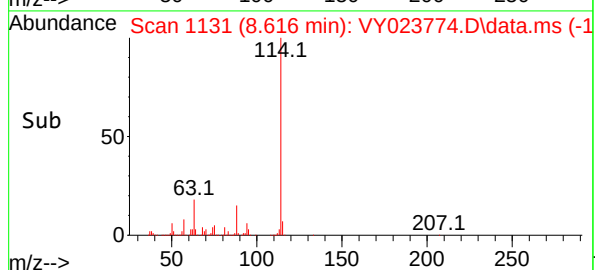
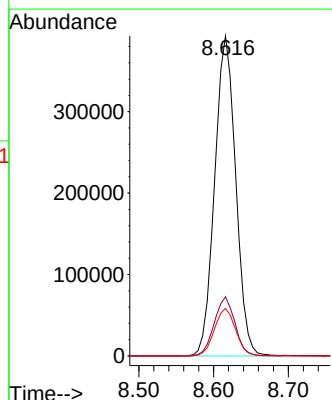
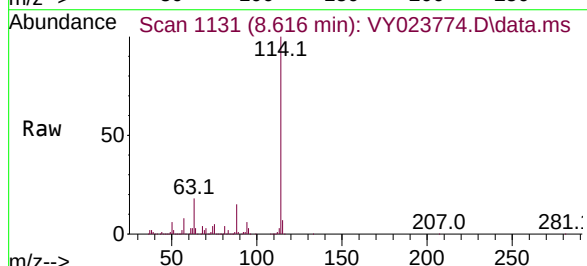
Tgt Ion:114 Resp: 769382

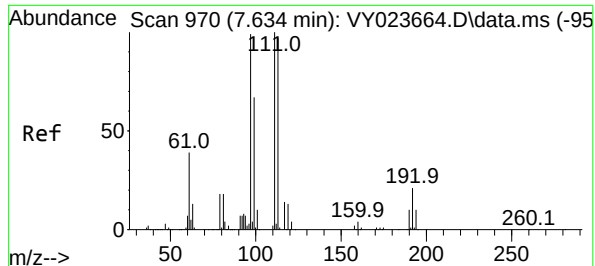
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.8

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.897 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 249525

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

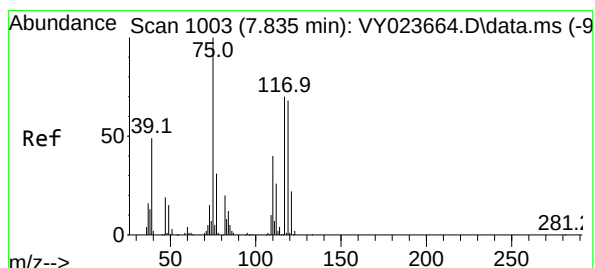
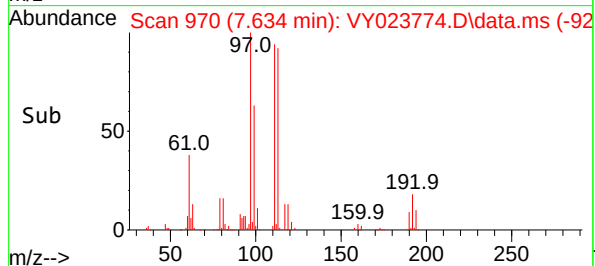
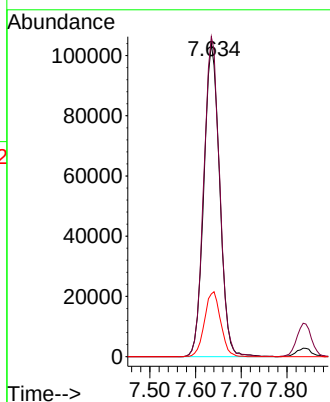
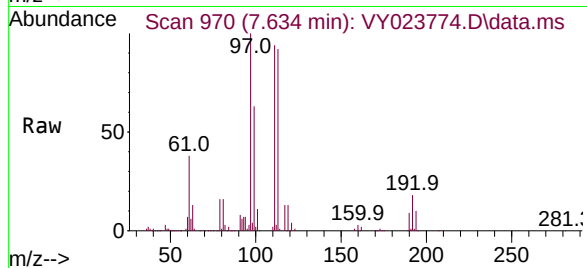
192 21.2 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 53.714 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

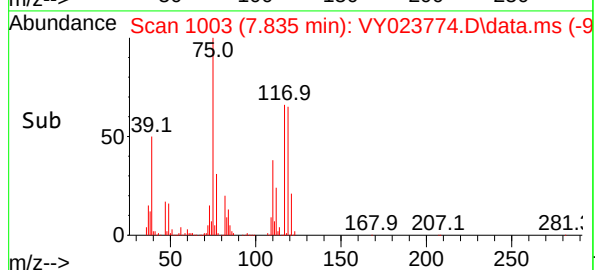
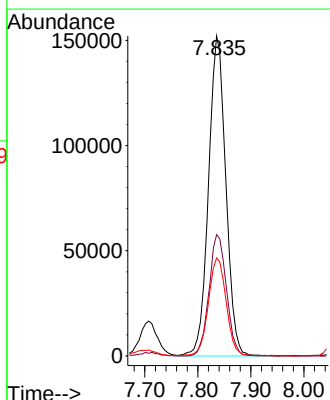
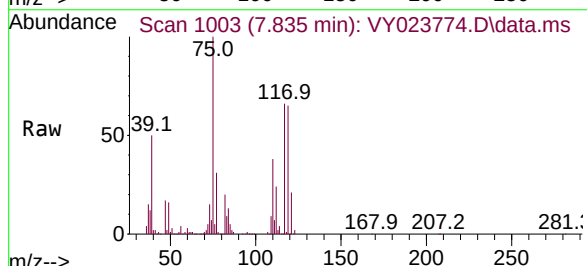
Tgt Ion: 75 Resp: 345108

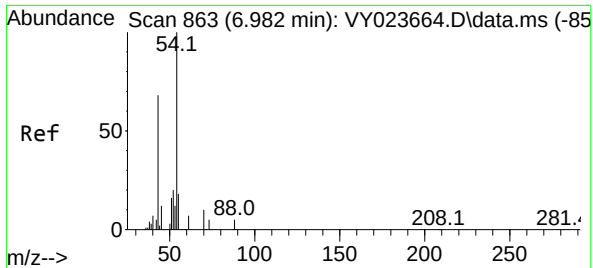
Ion Ratio Lower Upper

75 100

110 38.1 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 57.886 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY023774.D

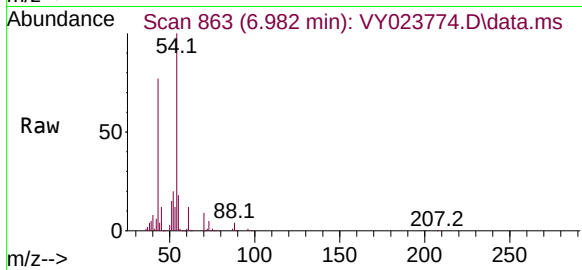
Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 143974

Ion Ratio Lower Upper

43 100

61 15.4 12.4 18.6

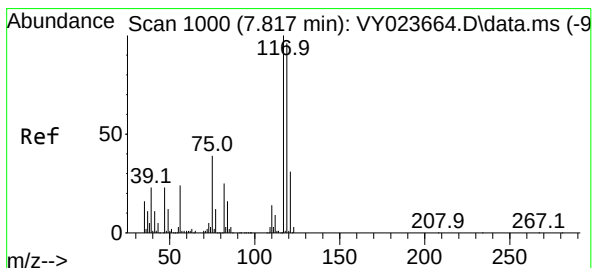
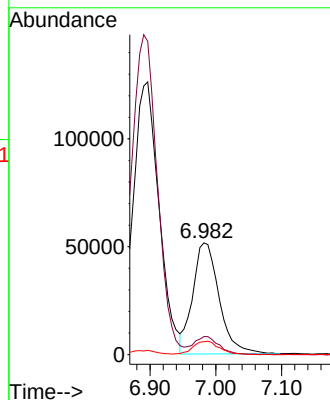
70 12.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

Concen: 53.328 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

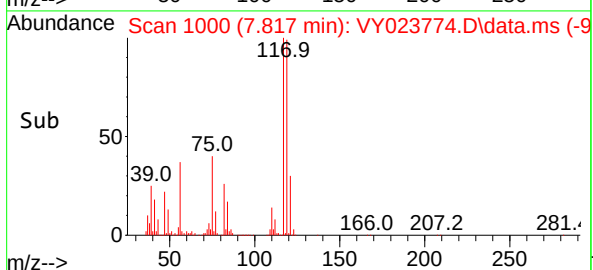
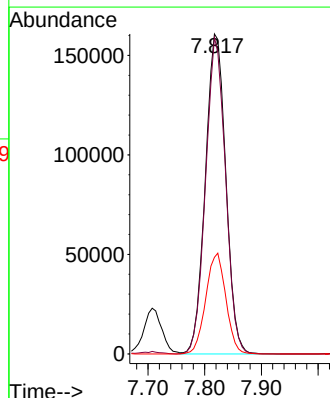
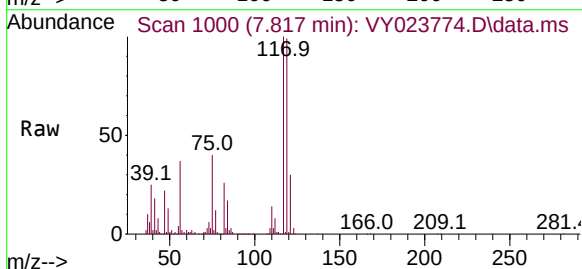
Tgt Ion:117 Resp: 403694

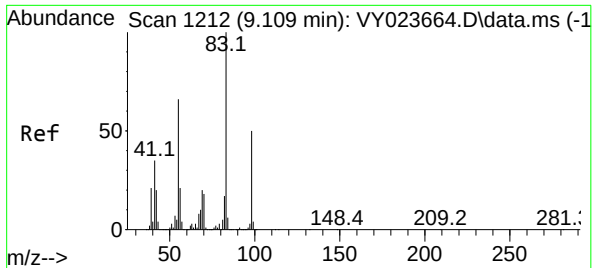
Ion Ratio Lower Upper

117 100

119 98.8 76.3 114.5

121 30.2 24.8 37.2





#39

Methylcyclohexane

Concen: 53.818 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023774.D

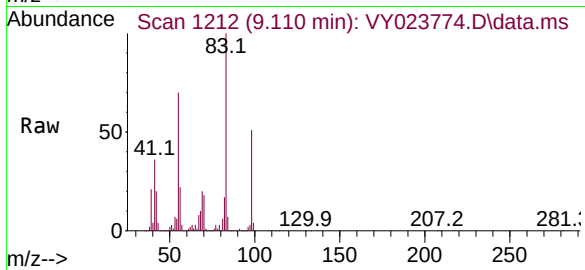
Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 441809

Ion Ratio Lower Upper

83 100

55 69.9 52.6 78.8

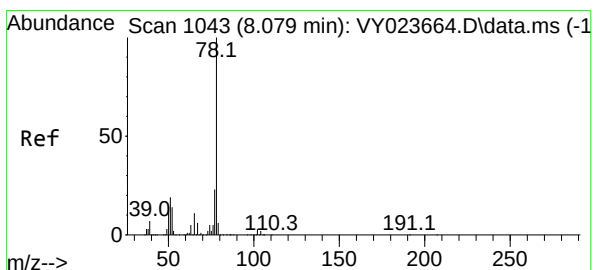
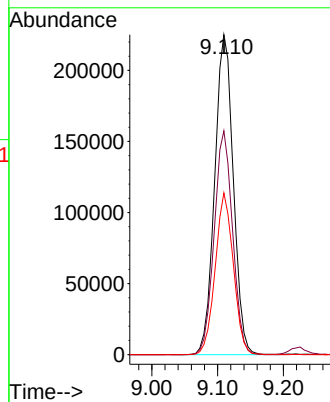
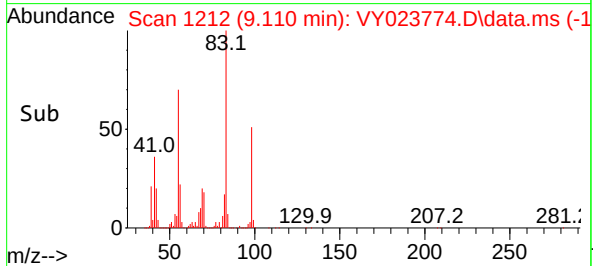
98 50.6 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 54.004 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023774.D

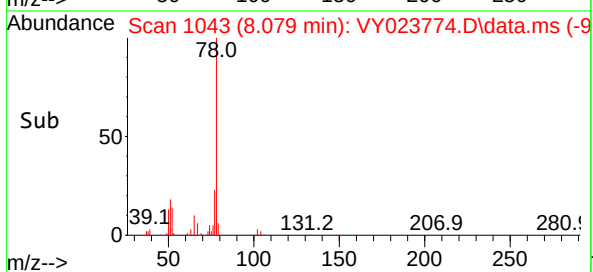
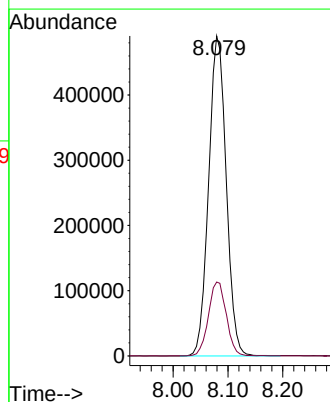
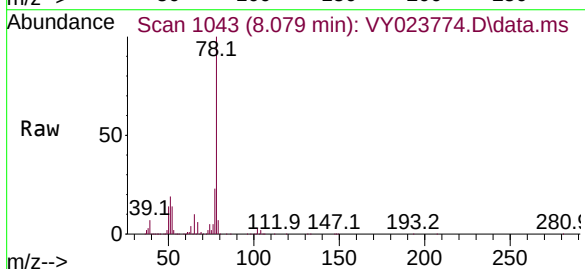
Acq: 13 Nov 2025 09:48

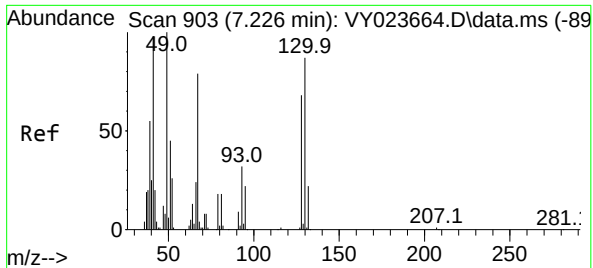
Tgt Ion: 78 Resp: 1093681

Ion Ratio Lower Upper

78 100

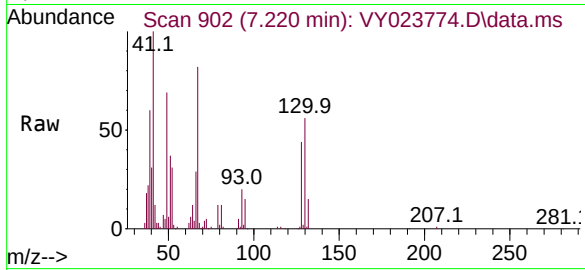
77 23.1 18.8 28.2





#41
Methacrylonitrile
Concen: 49.489 ug/l
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

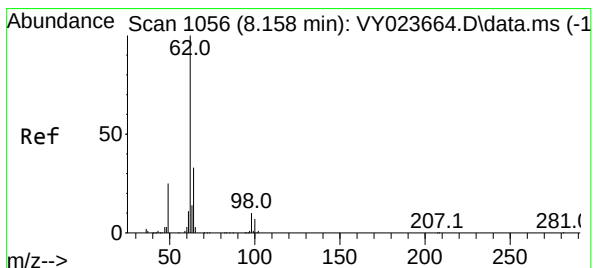
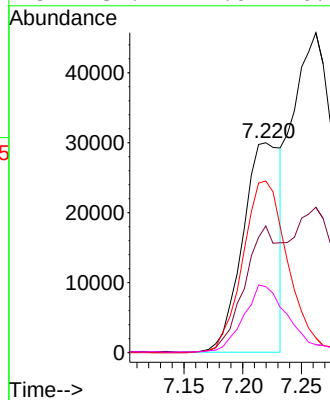
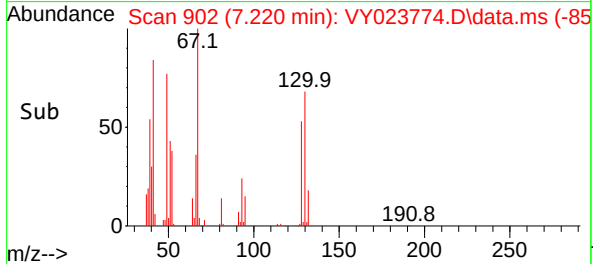
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



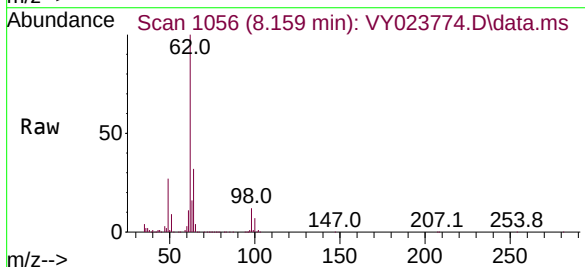
Tgt Ion: 41 Resp: 67188
Ion Ratio Lower Upper
41 100
39 55.8 38.6 57.8
67 98.2 71.3 106.9
52 39.7 27.0 40.4

Manual Integrations
APPROVED

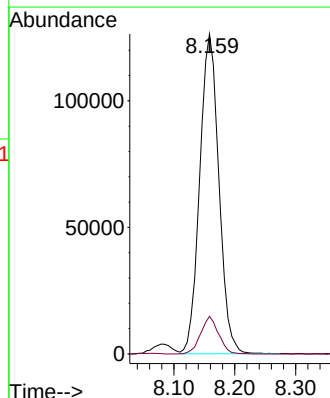
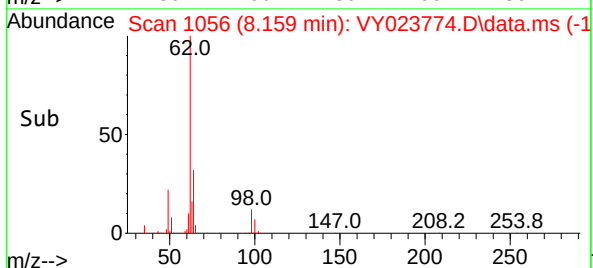
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

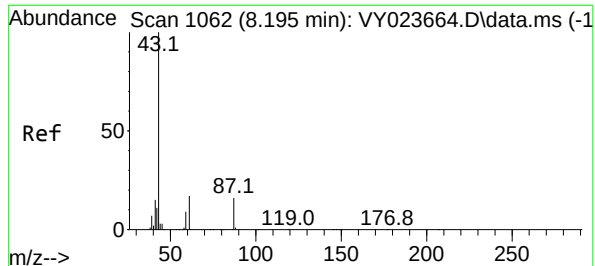


#42
1,2-Dichloroethane
Concen: 53.930 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



Tgt Ion: 62 Resp: 276317
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 56.193 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 262605

Ion Ratio Lower Upper

43 100

61 22.6 18.2 27.2

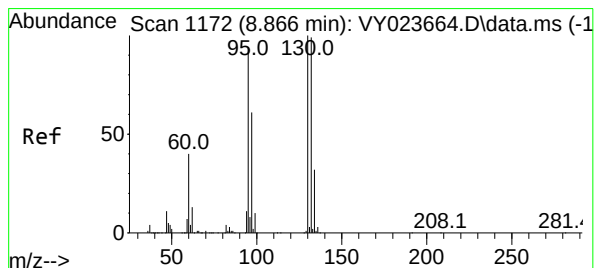
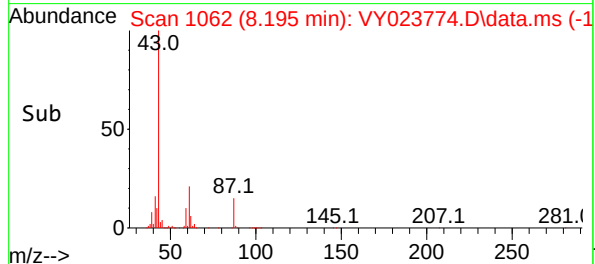
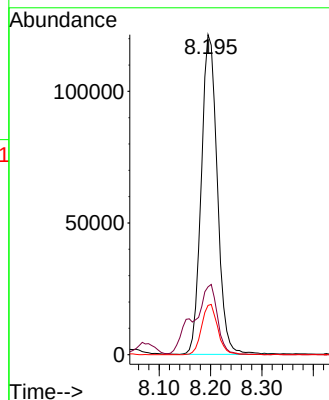
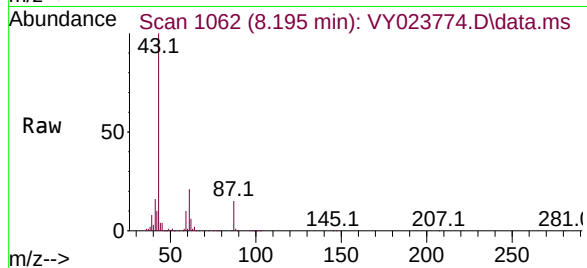
87 15.8 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#44

Trichloroethene

Concen: 51.910 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023774.D

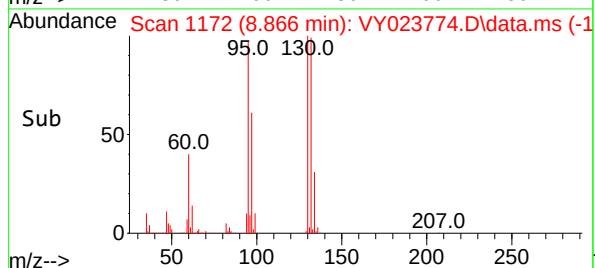
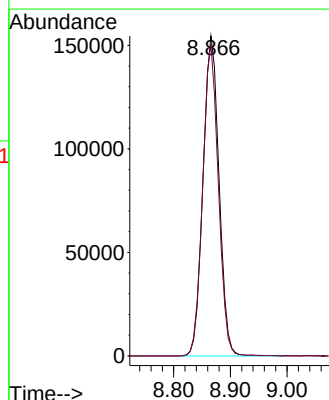
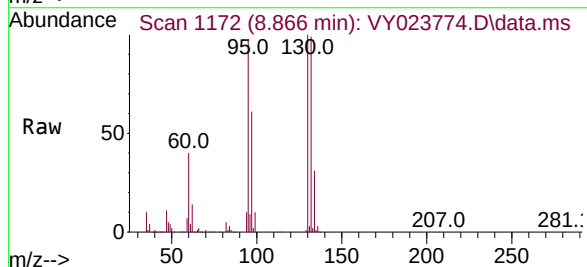
Acq: 13 Nov 2025 09:48

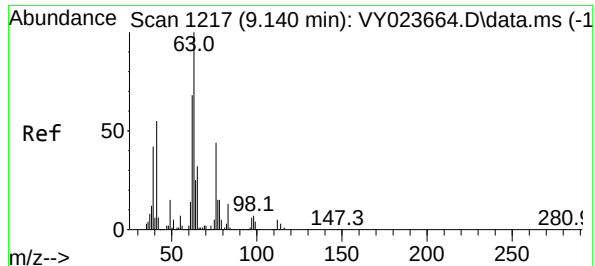
Tgt Ion:130 Resp: 301949

Ion Ratio Lower Upper

130 100

95 97.4 0.0 187.0





#45

1,2-Dichloropropane

Concen: 54.896 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 245362

Ion Ratio Lower Upper

63 100

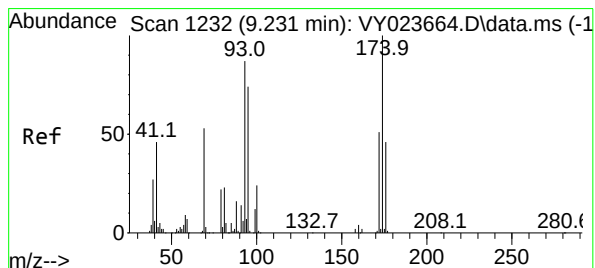
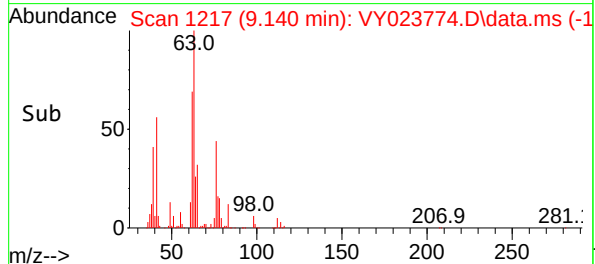
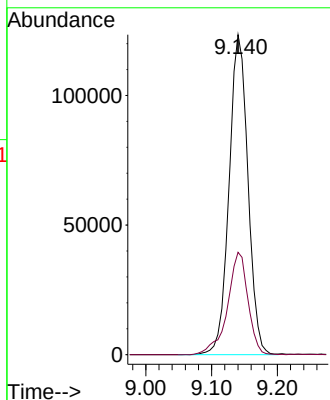
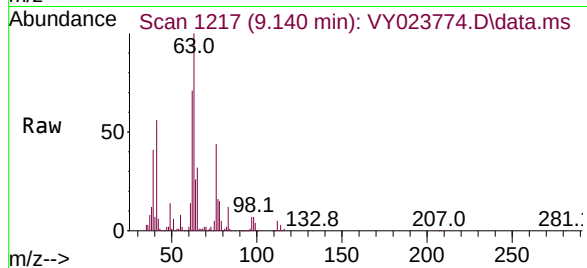
65 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 54.586 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

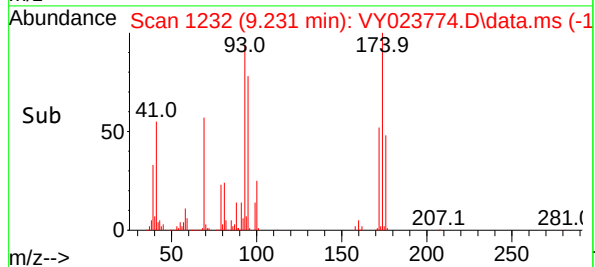
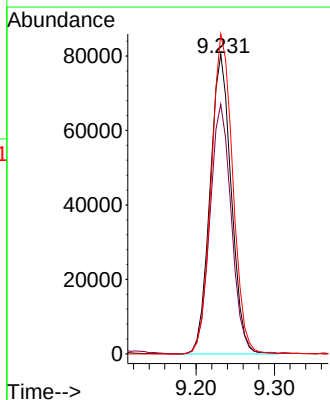
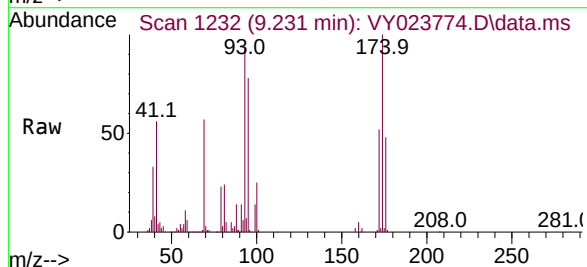
Tgt Ion: 93 Resp: 151169

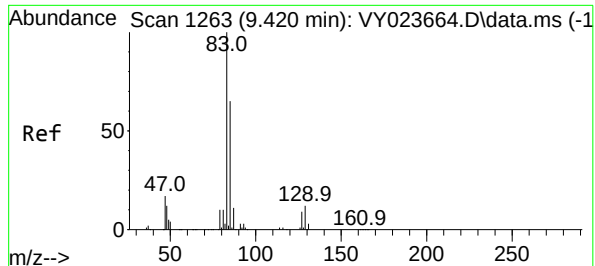
Ion Ratio Lower Upper

93 100

95 83.9 67.4 101.2

174 108.8 89.4 134.0





#47

Bromodichloromethane

Concen: 54.504 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 380563

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

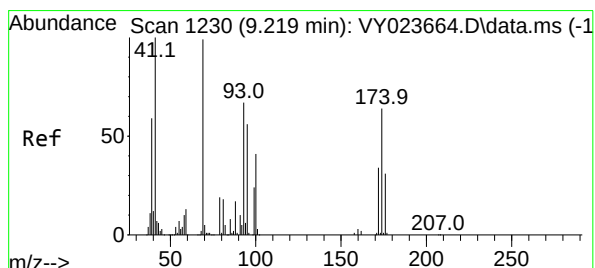
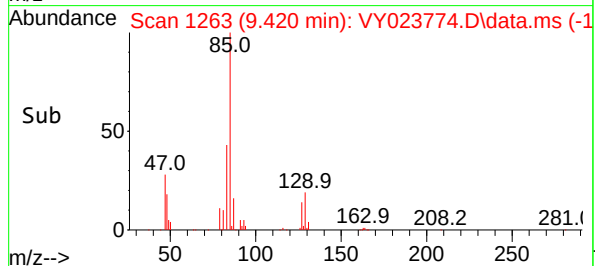
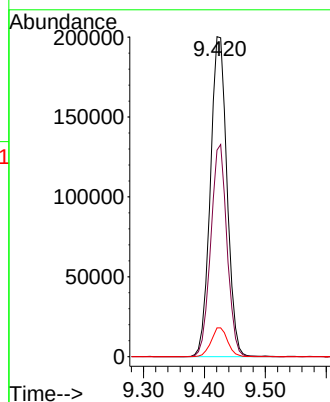
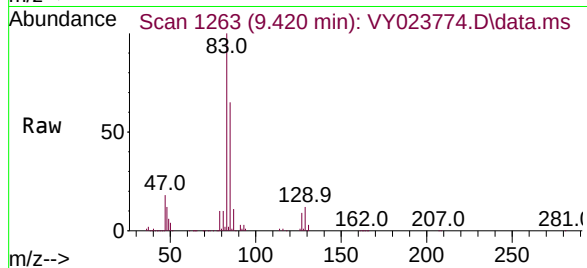
127 9.0 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 58.046 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

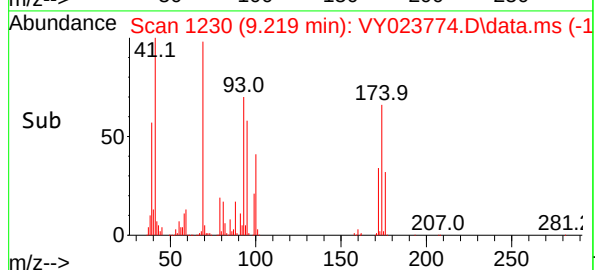
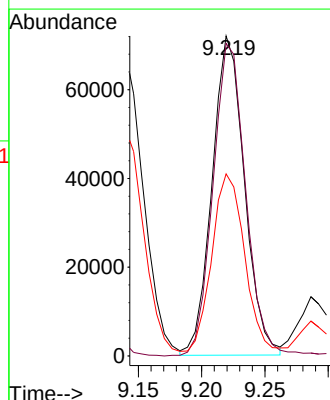
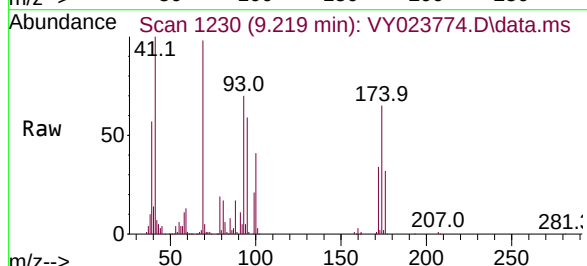
Tgt Ion: 41 Resp: 128160

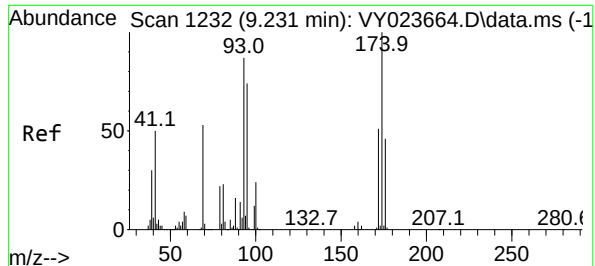
Ion Ratio Lower Upper

41 100

69 99.6 80.2 120.2

39 56.2 47.4 71.0





#49

1,4-Dioxane

Concen: 1094.931 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 31032

Ion Ratio Lower Upper

88 100

43 30.8 22.0 33.0

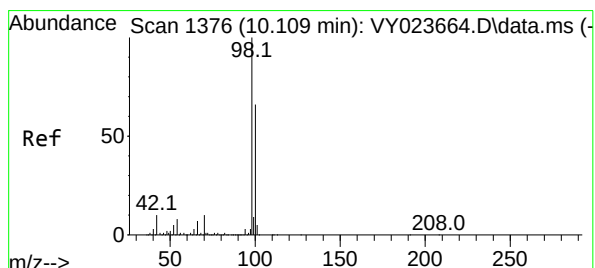
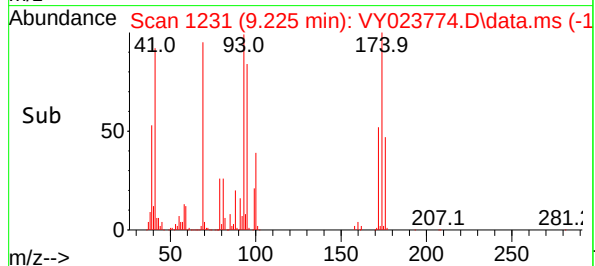
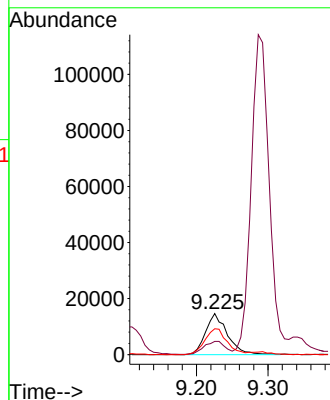
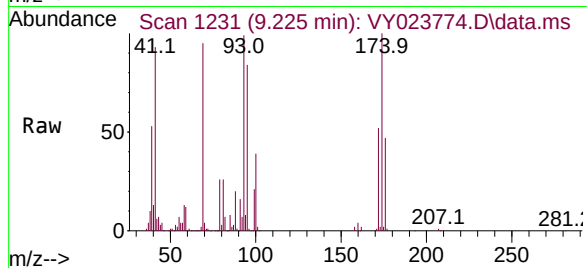
58 65.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 52.891 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023774.D

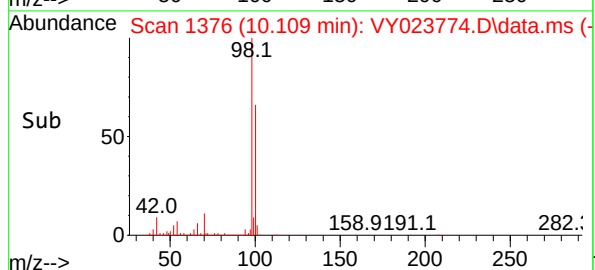
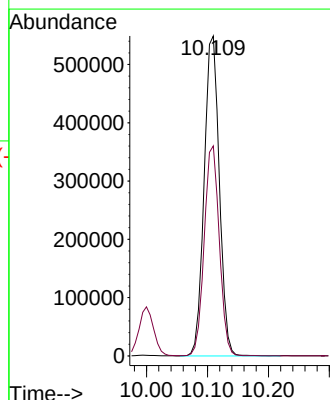
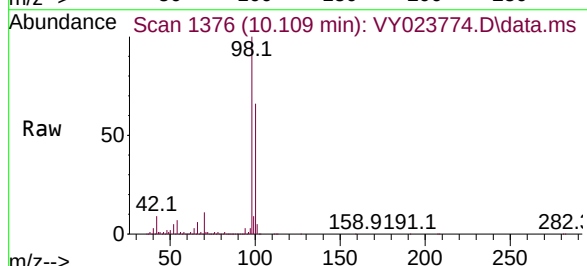
Acq: 13 Nov 2025 09:48

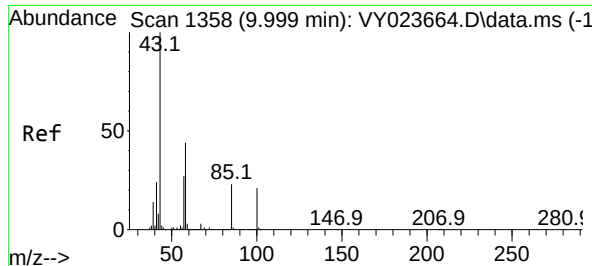
Tgt Ion: 98 Resp: 947301

Ion Ratio Lower Upper

98 100

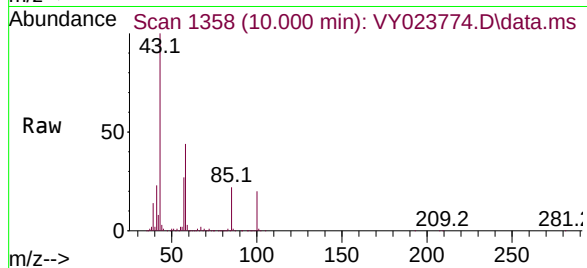
100 65.4 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 293.657 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

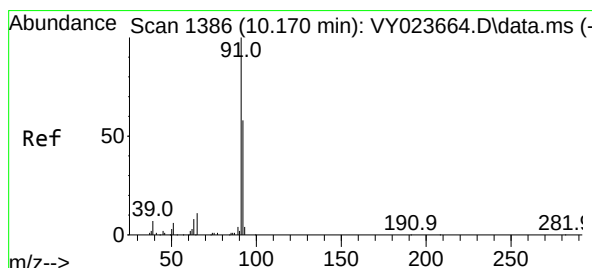
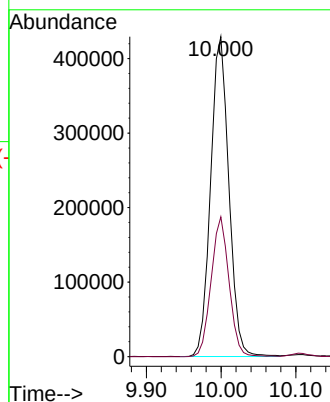
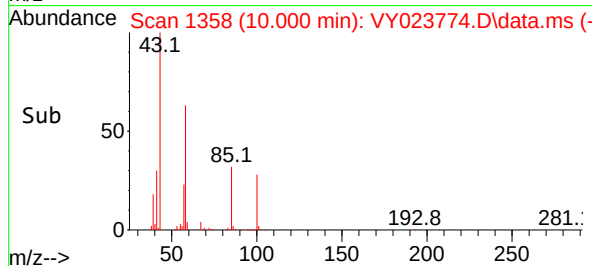
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



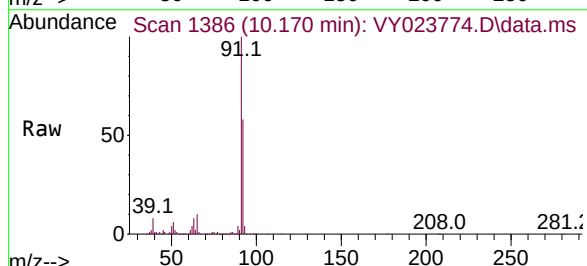
Tgt Ion: 43 Resp: 729813
Ion Ratio Lower Upper
43 100
58 42.9 34.8 52.2

Manual Integrations
APPROVED

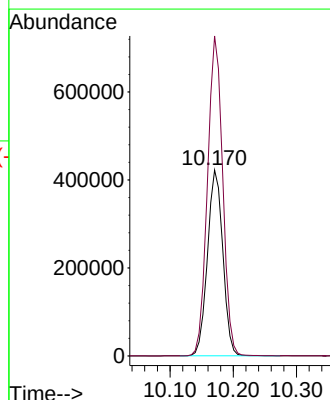
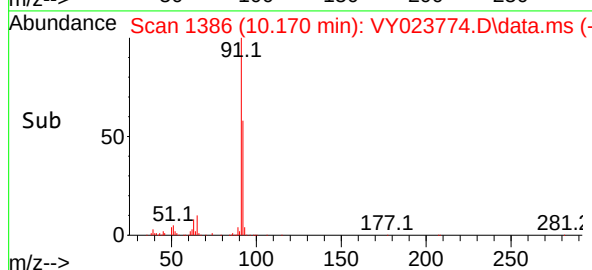
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

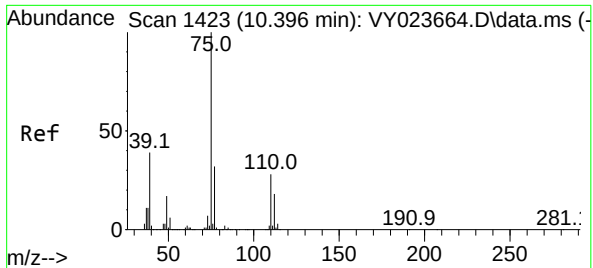


#52
Toluene
Concen: 54.895 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



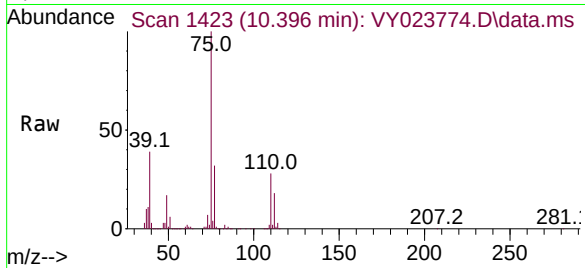
Tgt Ion: 92 Resp: 709757
Ion Ratio Lower Upper
92 100
91 170.8 137.8 206.8





#53
 t-1,3-Dichloropropene
 Concen: 55.371 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48

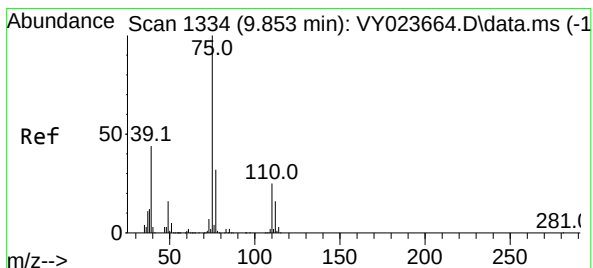
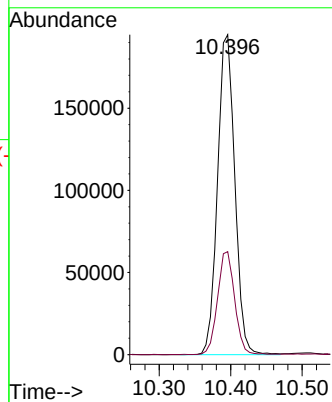
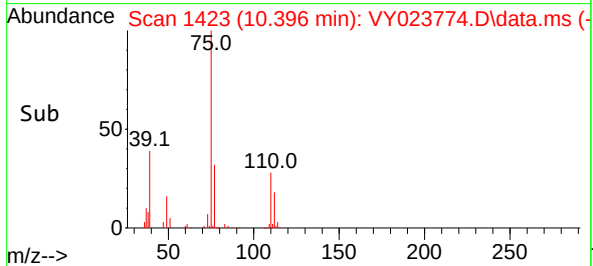
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



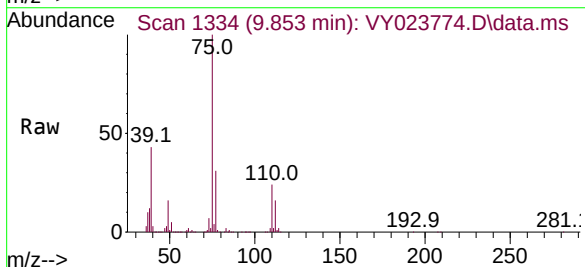
Tgt Ion: 75 Resp: 327128
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4

Manual Integrations
 APPROVED

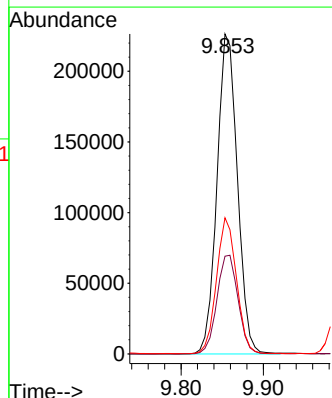
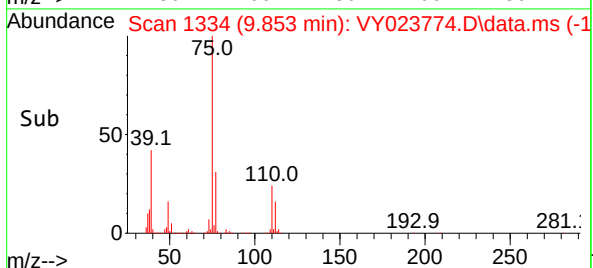
Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

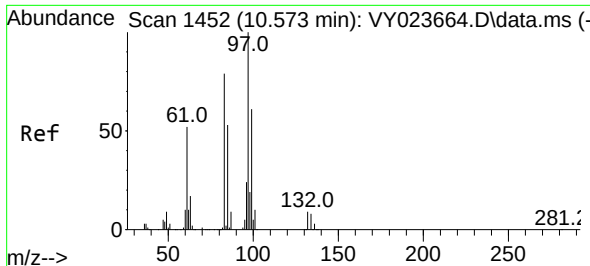


#54
 cis-1,3-Dichloropropene
 Concen: 55.113 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48



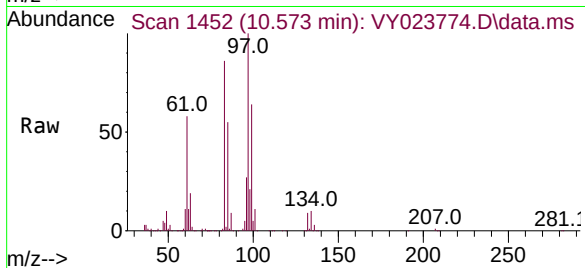
Tgt Ion: 75 Resp: 390104
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.7 38.5
 39 42.4 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 54.201 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

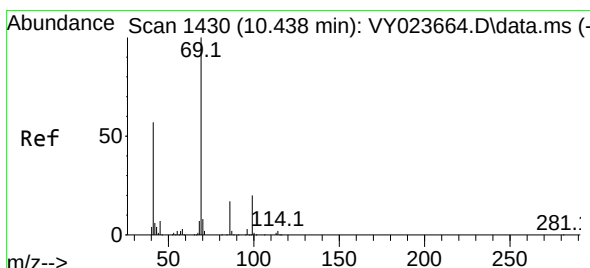
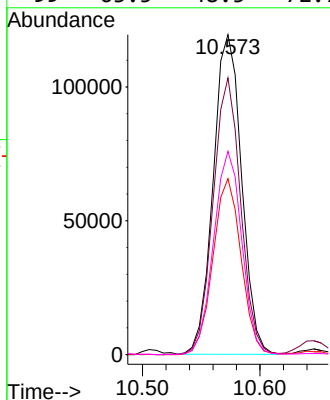
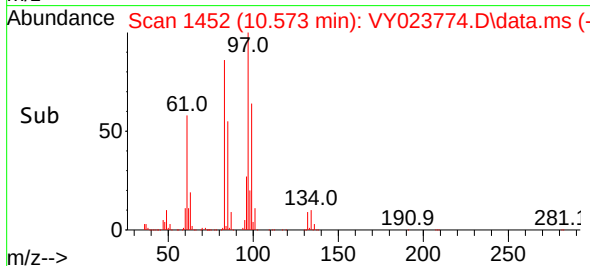
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 200597
Ion Ratio Lower Upper
97 100
83 86.5 63.3 94.9
85 55.0 42.4 63.6
99 63.5 48.5 72.7

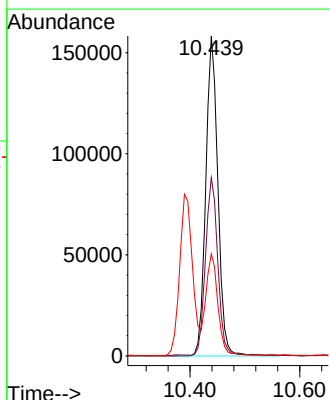
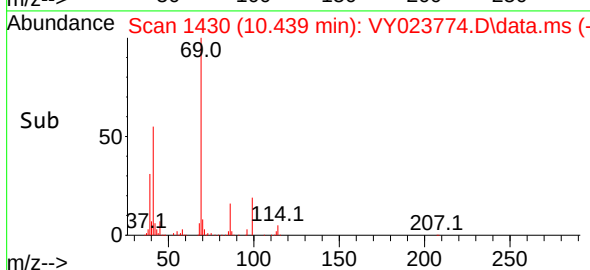
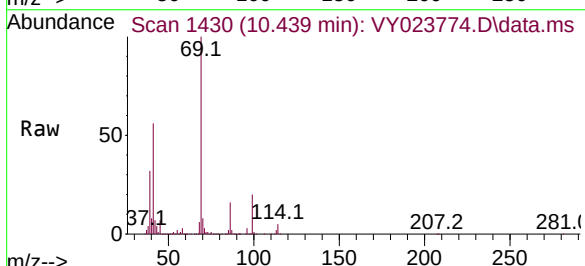
Manual Integrations
APPROVED

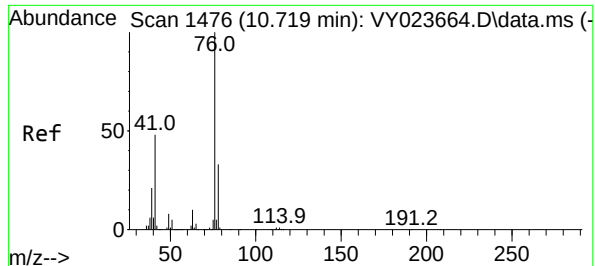
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#56
Ethyl methacrylate
Concen: 59.640 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

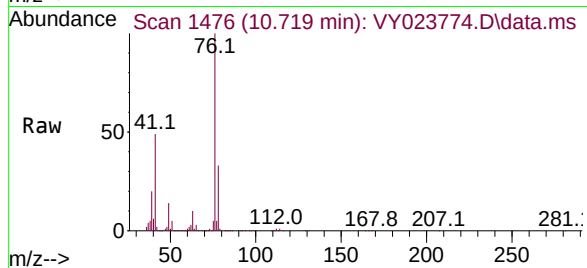
Tgt Ion: 69 Resp: 243194
Ion Ratio Lower Upper
69 100
41 56.1 45.0 67.4
39 30.6 25.1 37.7





#57
1,3-Dichloropropane
Concen: 55.218 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

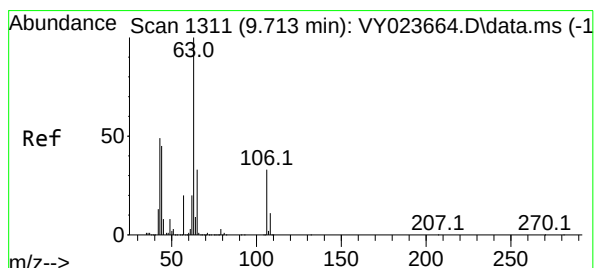
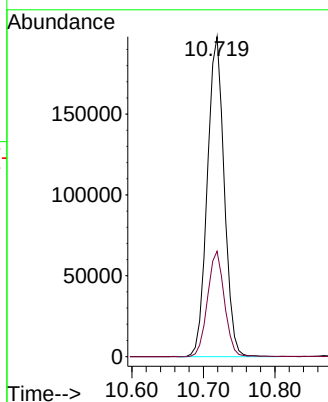
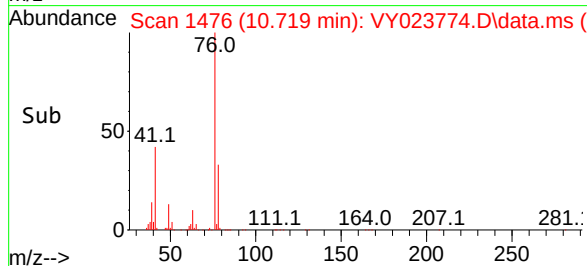
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 32414
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

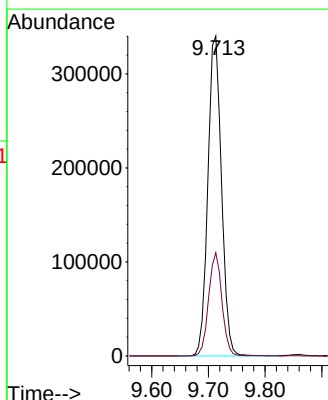
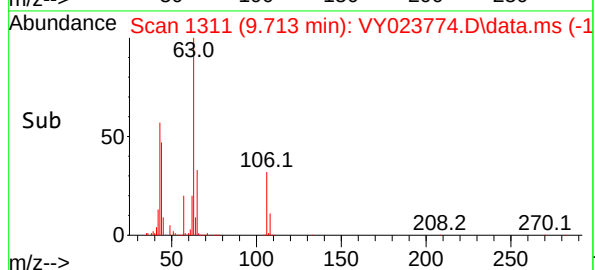
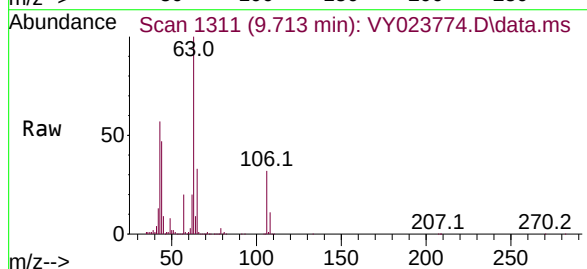
Manual Integrations
APPROVED

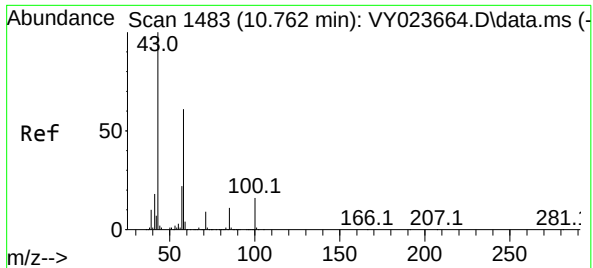
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 303.155 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

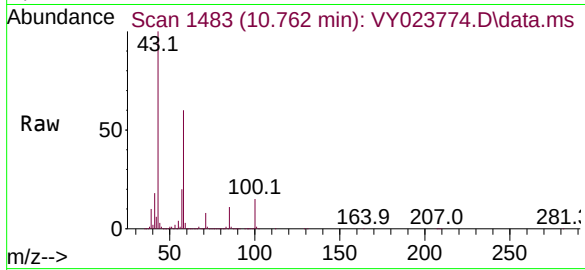
Tgt Ion: 63 Resp: 567252
Ion Ratio Lower Upper
63 100
106 31.4 26.2 39.2





#59
2-Hexanone
Concen: 286.358 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

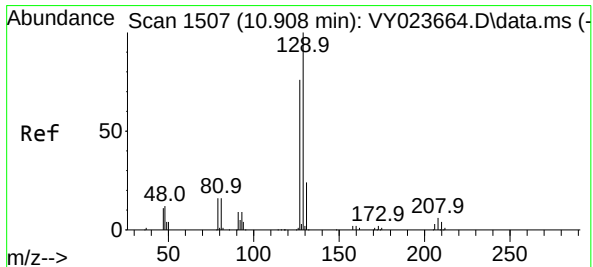
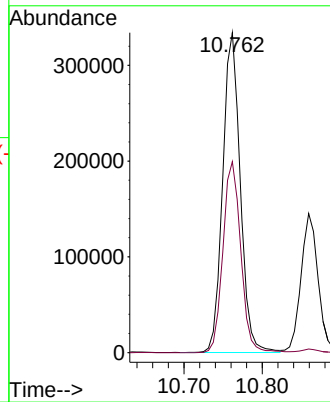
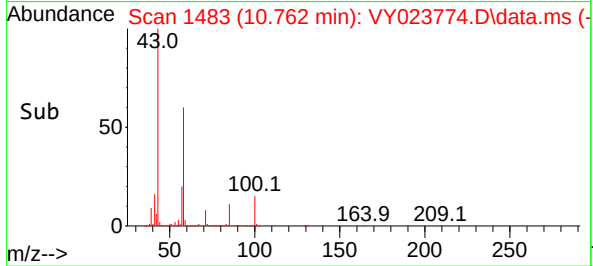
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



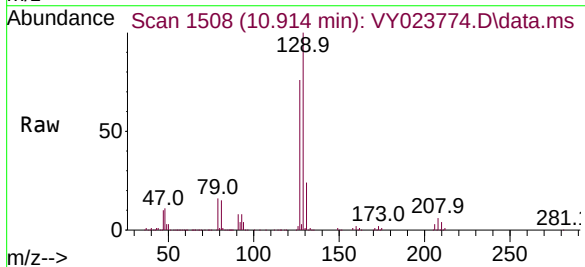
Tgt Ion: 43 Resp: 519217
Ion Ratio Lower Upper
43 100
58 60.5 30.2 90.6

Manual Integrations
APPROVED

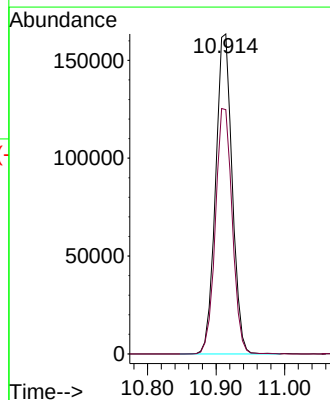
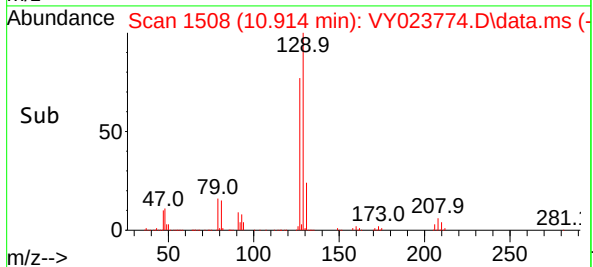
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

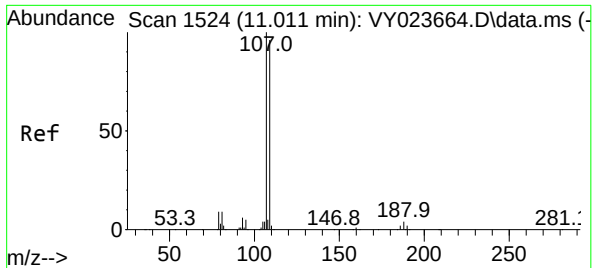


#60
Dibromochloromethane
Concen: 54.095 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



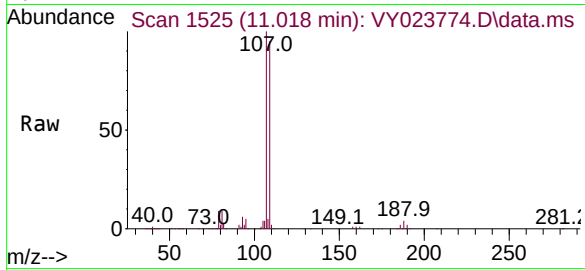
Tgt Ion:129 Resp: 275080
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





#61
1,2-Dibromoethane
Concen: 54.013 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

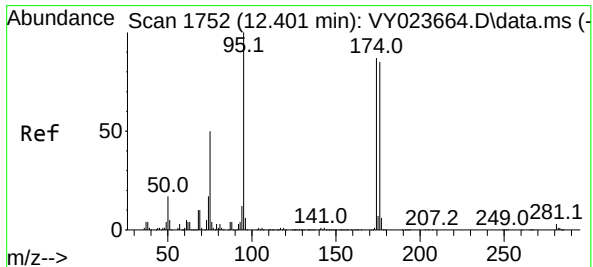
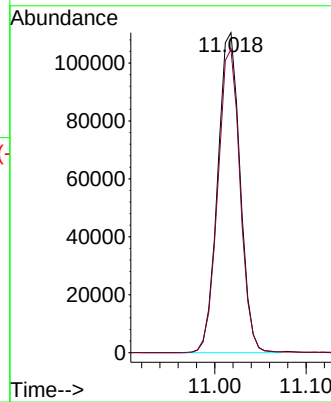
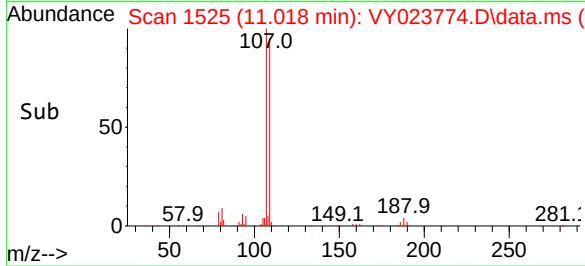
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



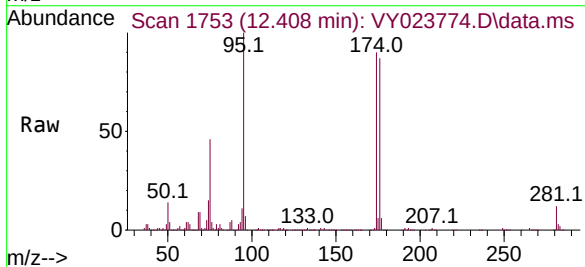
Tgt Ion:107 Resp: 187603
Ion Ratio Lower Upper
107 100
109 94.6 76.2 114.4

Manual Integrations
APPROVED

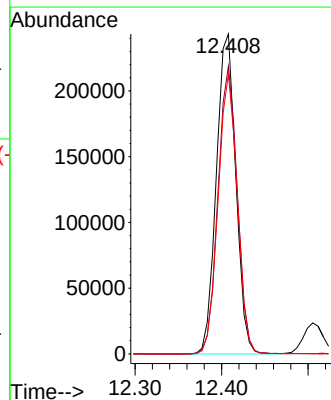
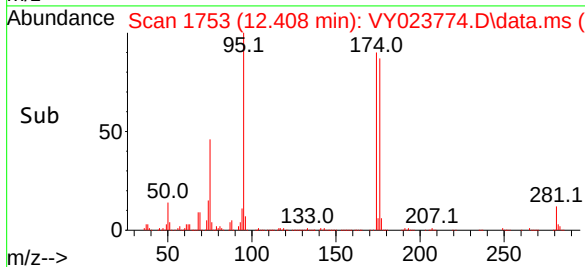
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

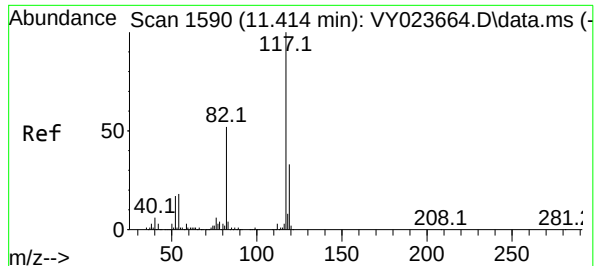


#62
4-Bromofluorobenzene
Concen: 65.710 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



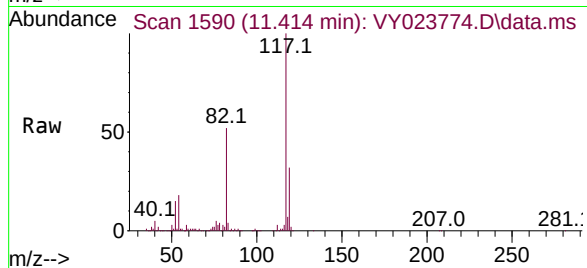
Tgt Ion: 95 Resp: 380600
Ion Ratio Lower Upper
95 100
174 89.2 0.0 184.8
176 86.1 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

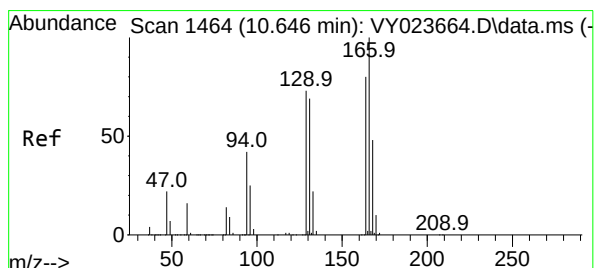
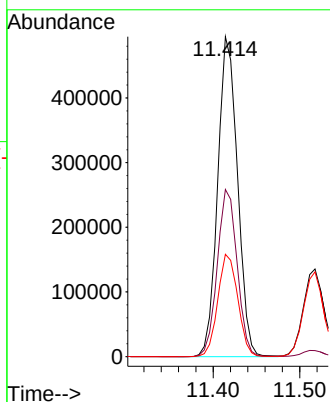
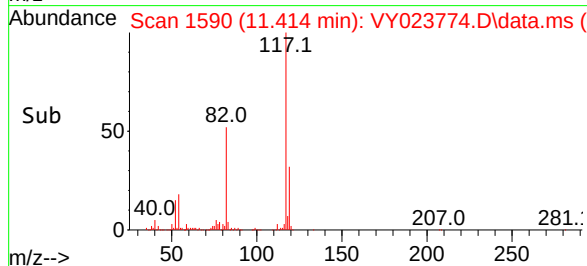
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



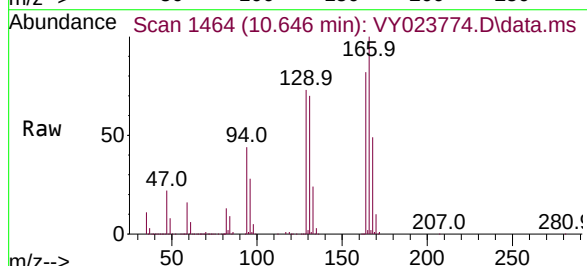
Tgt Ion:117 Resp: 787003
Ion Ratio Lower Upper
117 100
82 52.2 41.2 61.8
119 32.0 26.2 39.2

Manual Integrations
APPROVED

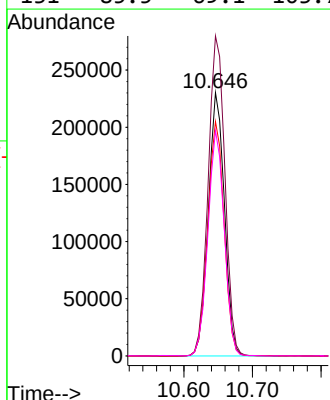
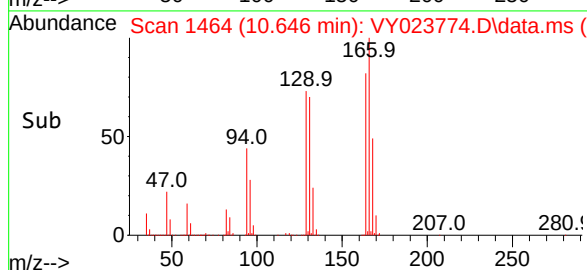
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

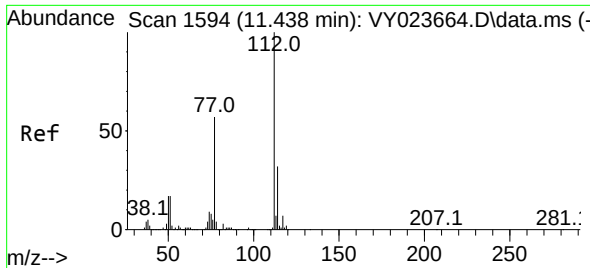


#64
Tetrachloroethene
Concen: 46.190 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



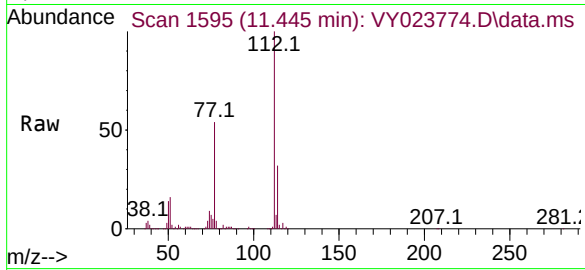
Tgt Ion:164 Resp: 378366
Ion Ratio Lower Upper
164 100
166 121.5 99.5 149.3
129 89.0 72.3 108.5
131 85.5 69.1 103.7





#65
Chlorobenzene
Concen: 50.564 ug/l
RT: 11.445 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

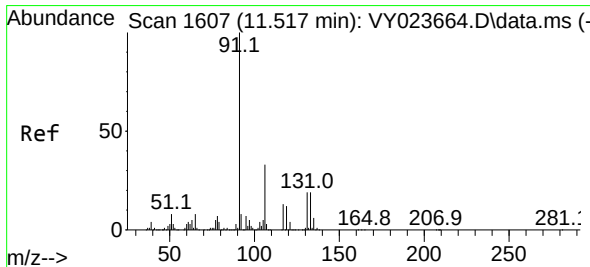
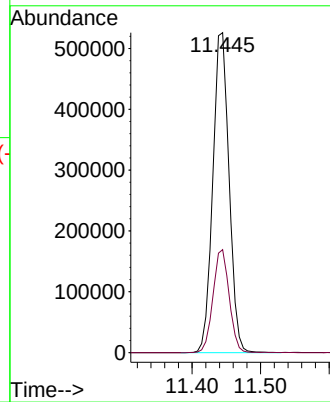
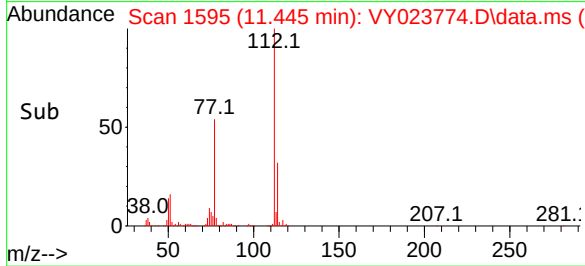
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 866308
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

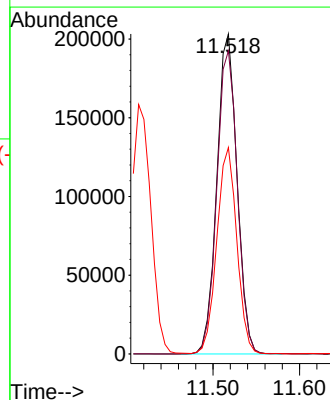
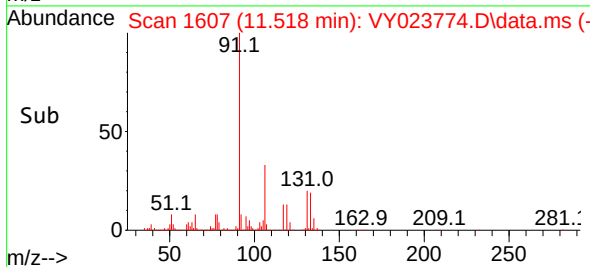
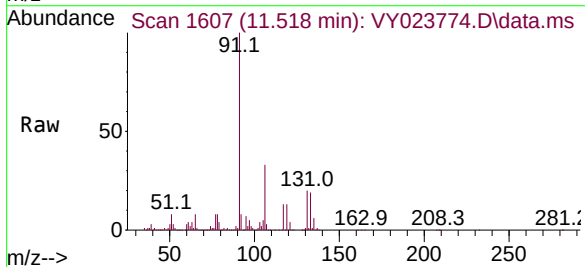
Manual Integrations
APPROVED

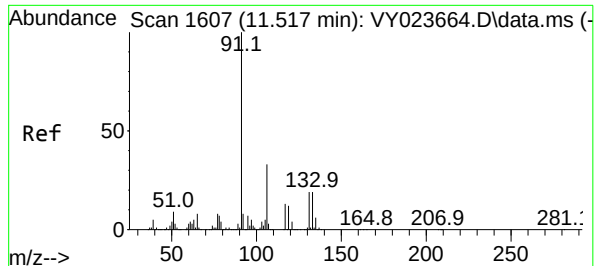
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 54.509 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion:131 Resp: 330235
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 63.9 32.5 97.4





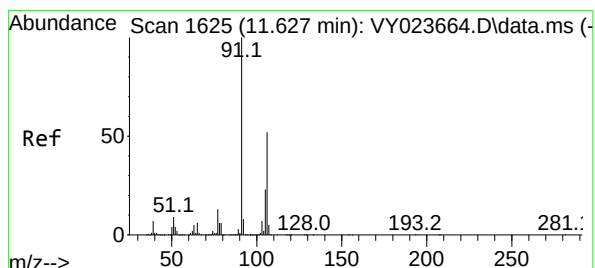
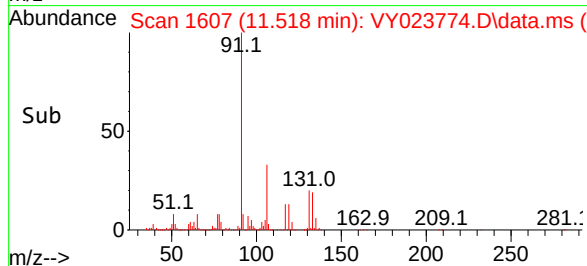
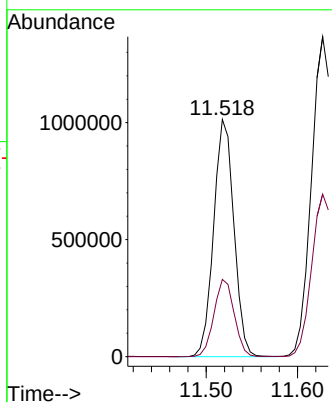
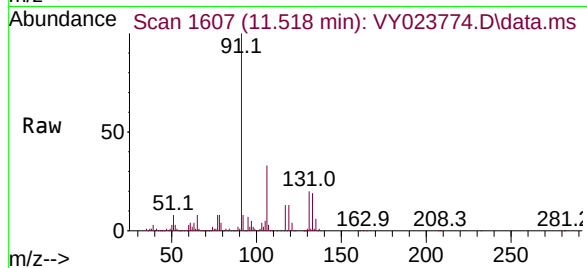
#67
Ethyl Benzene
Concen: 56.203 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1558469
Ion Ratio Lower Upper
91 100
106 32.6 26.6 40.0

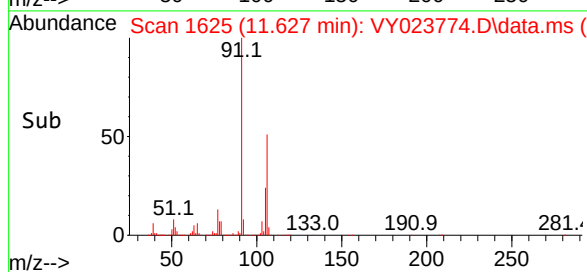
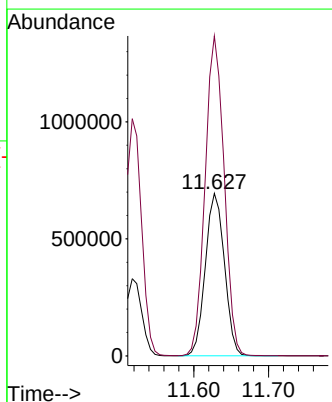
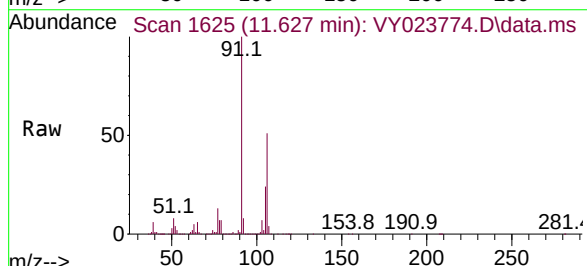
Manual Integrations
APPROVED

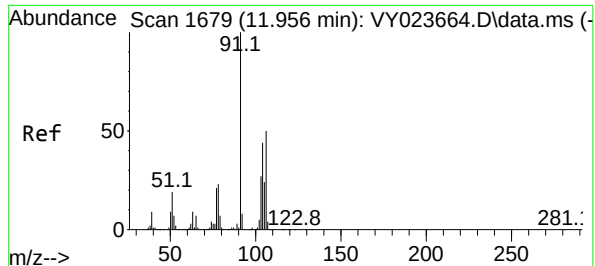
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#68
m/p-Xylenes
Concen: 111.216 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion:106 Resp: 1232148
Ion Ratio Lower Upper
106 100
91 196.0 154.3 231.5





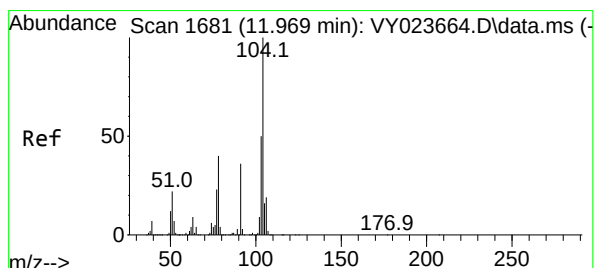
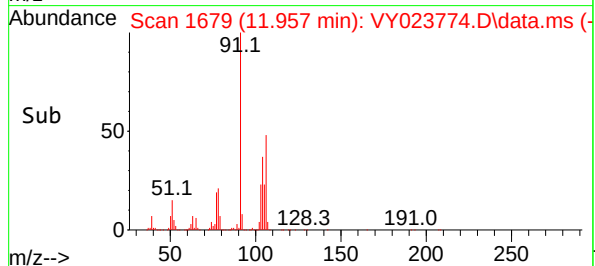
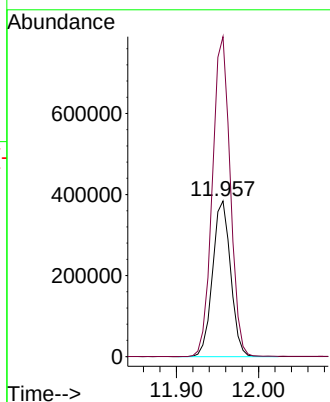
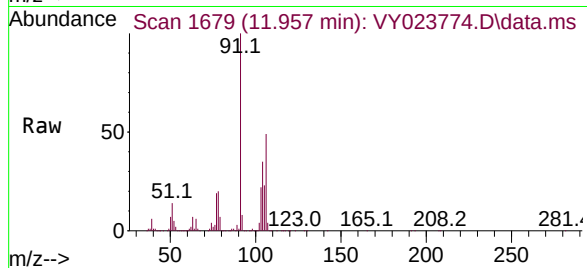
#69
o-Xylene
Concen: 56.973 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 583473
Ion Ratio Lower Upper
106 100
91 204.7 101.6 304.6

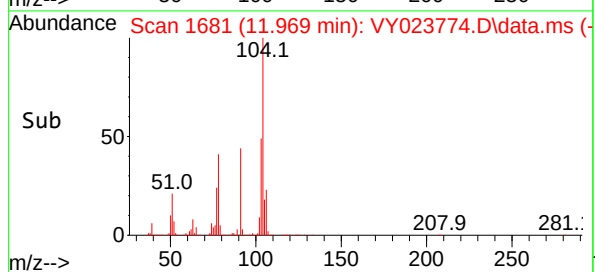
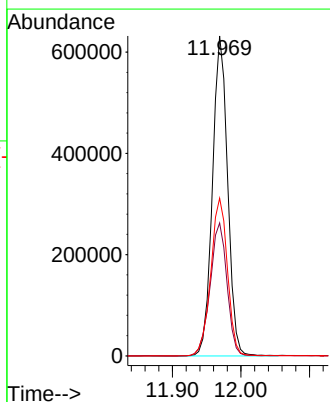
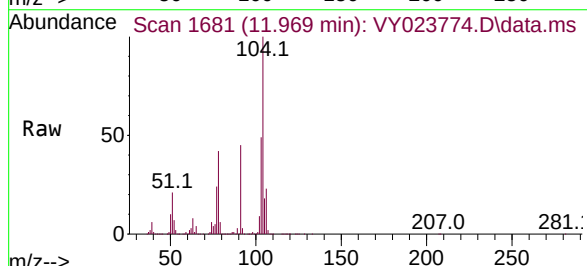
Manual Integrations
APPROVED

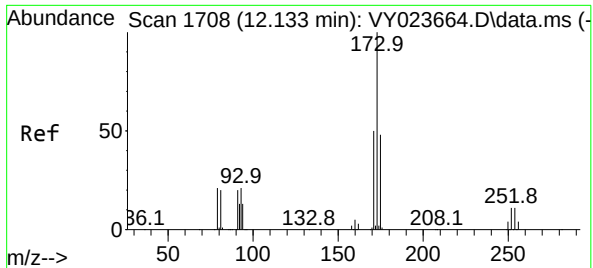
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 57.707 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion:104 Resp: 975092
Ion Ratio Lower Upper
104 100
78 46.2 36.5 54.7
103 54.0 43.7 65.5





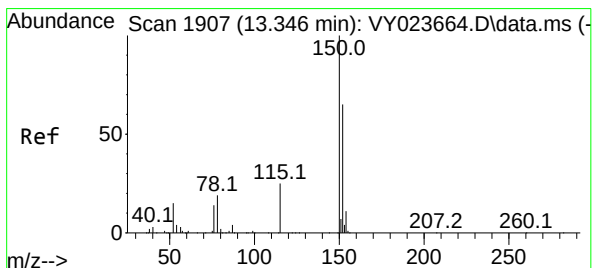
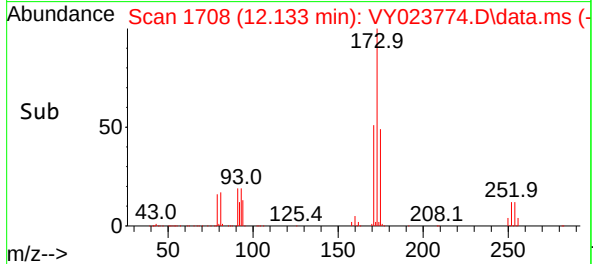
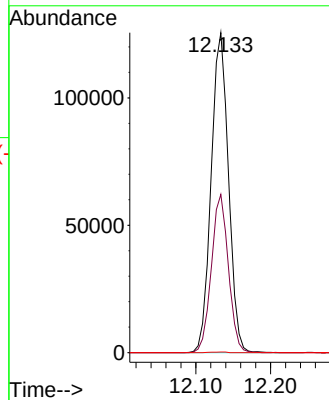
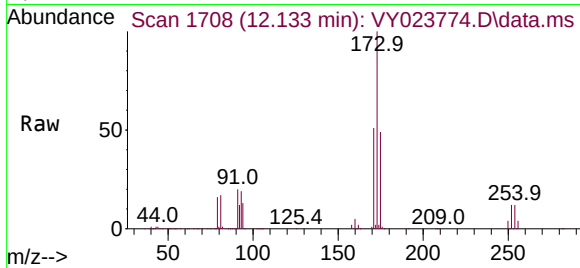
#71
Bromoform
Concen: 57.012 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 201730
Ion Ratio Lower Upper
173 100
175 48.5 24.2 72.6
254 0.2 0.2 0.2

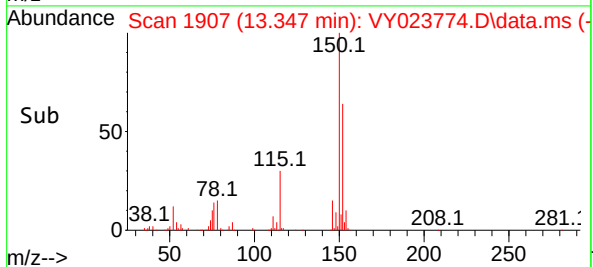
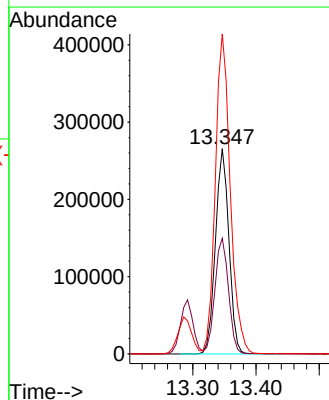
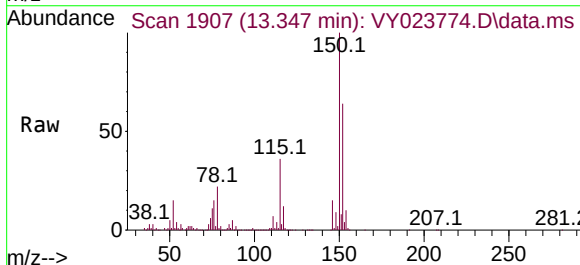
Manual Integrations
APPROVED

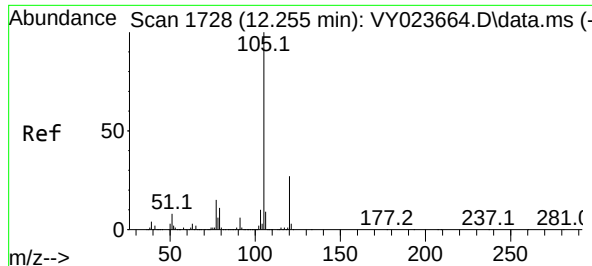
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion:152 Resp: 393514
Ion Ratio Lower Upper
152 100
115 56.8 27.5 82.5
150 172.3 0.0 349.0





#73

Isopropylbenzene

Concen: 56.286 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1481388

Ion Ratio Lower Upper

105 100

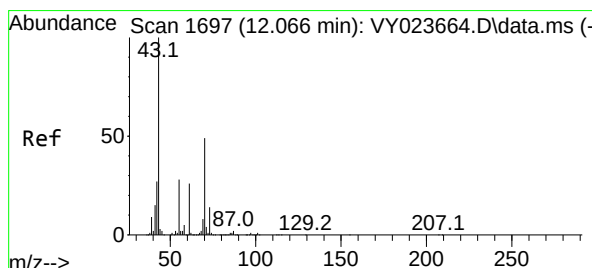
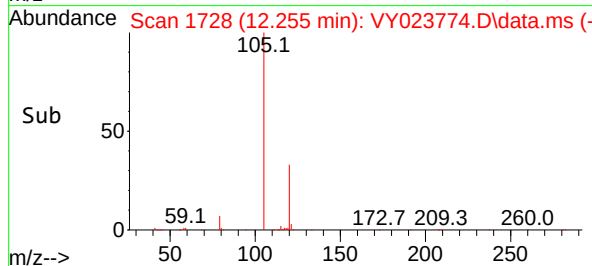
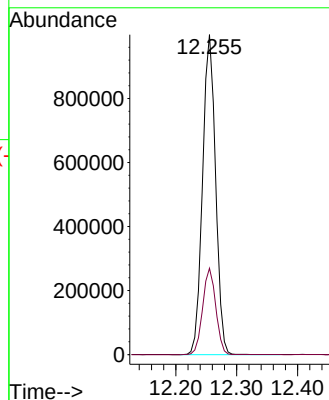
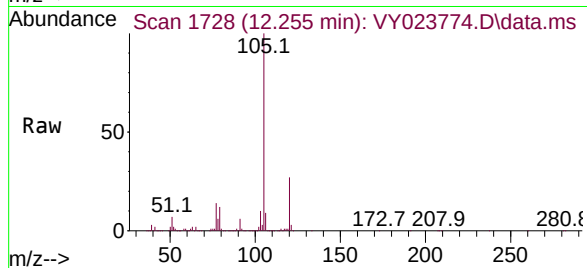
120 27.1 13.6 40.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#74

N-ethyl acetate

Concen: 52.419 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Tgt Ion: 43 Resp: 233575

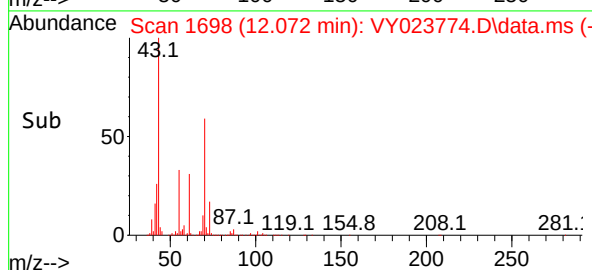
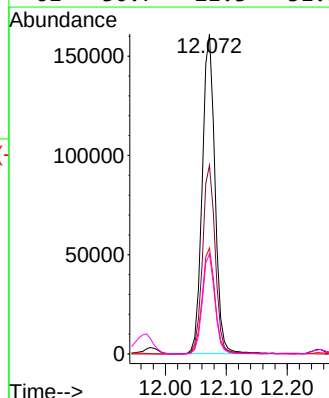
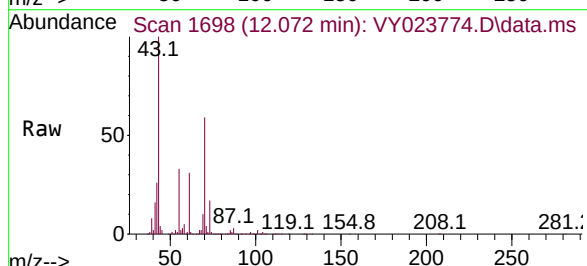
Ion Ratio Lower Upper

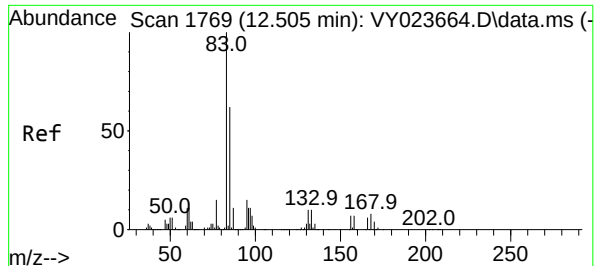
43 100

70 59.0 40.1 60.1

55 33.6 23.0 34.6

61 30.7 21.3 31.9





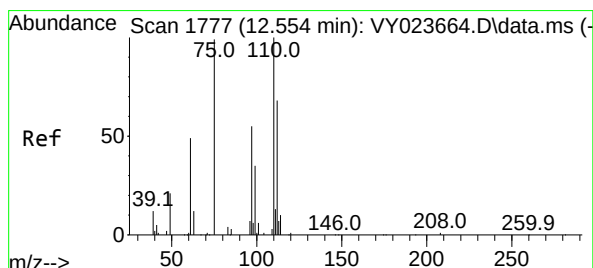
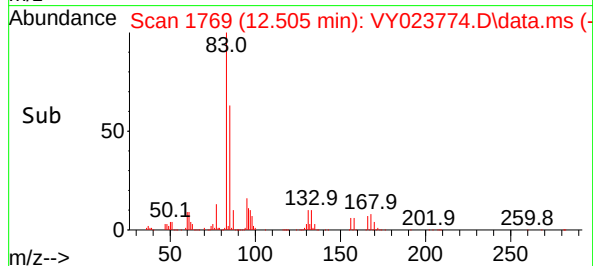
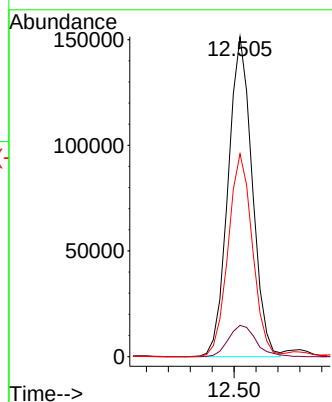
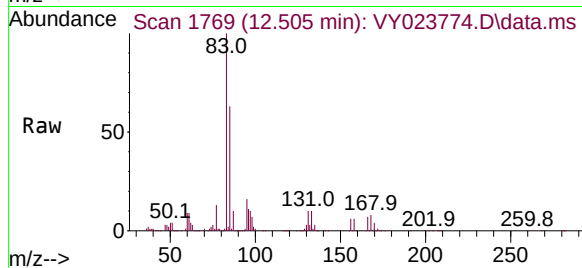
#75
1,1,2,2-Tetrachloroethane
Concen: 55.023 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 231287
Ion Ratio Lower Upper
83 100
131 11.1 5.7 17.0
85 63.9 31.9 95.7

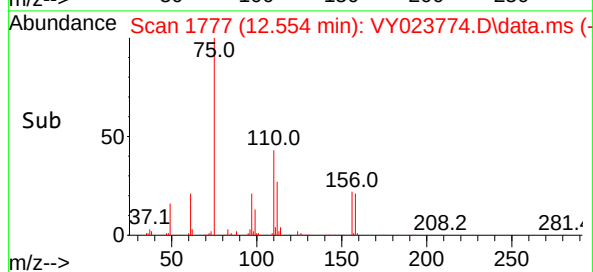
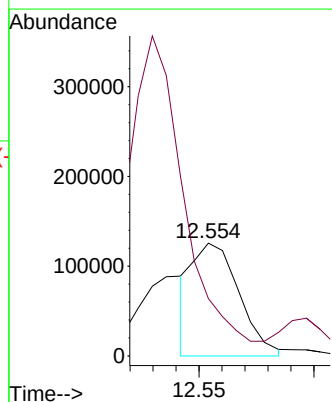
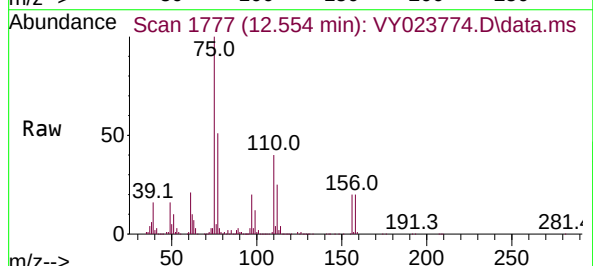
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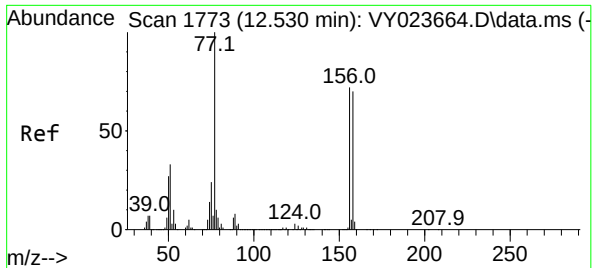
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 56.071 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion: 75 Resp: 178573
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





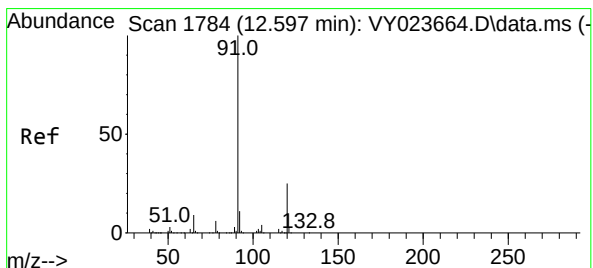
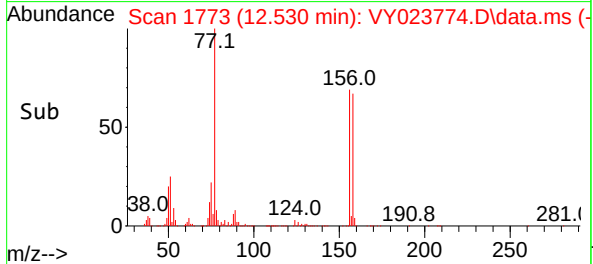
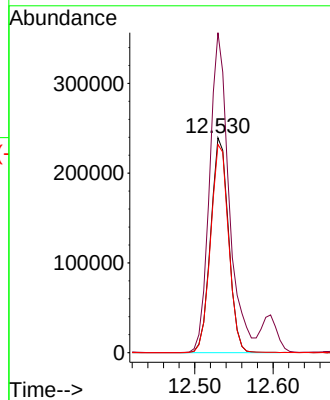
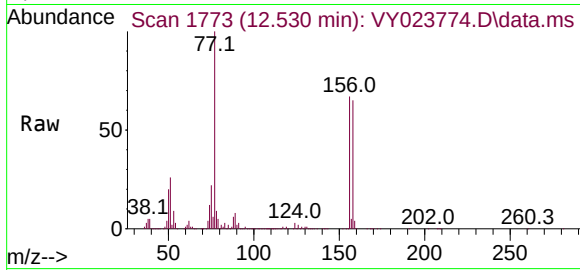
#77
Bromobenzene
Concen: 55.672 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 380070
Ion Ratio Lower Upper
156 100
77 161.4 77.9 233.7
158 97.7 48.5 145.5

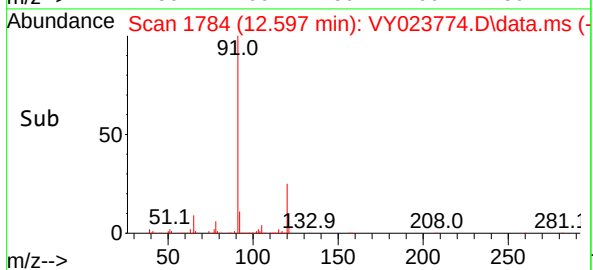
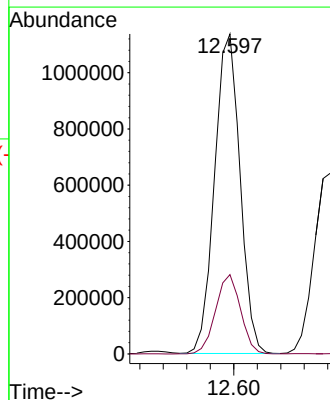
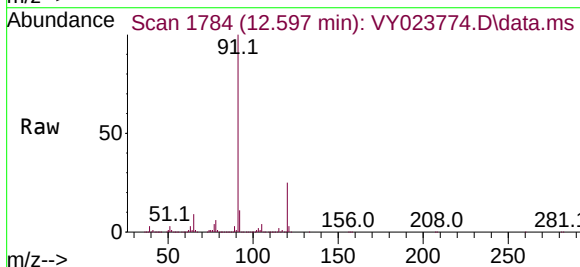
Manual Integrations
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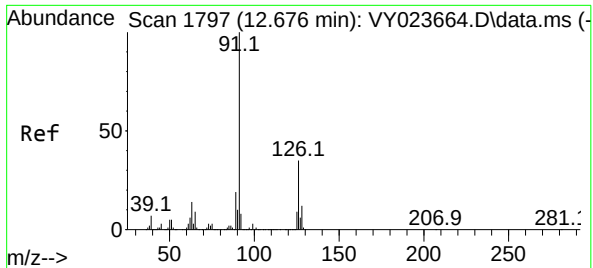
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#78
n-propylbenzene
Concen: 55.169 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Tgt Ion: 91 Resp: 1707917
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.1





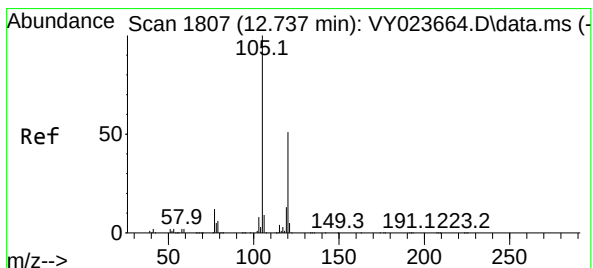
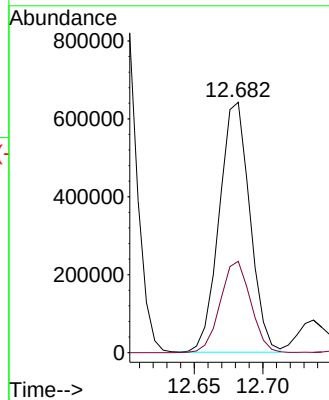
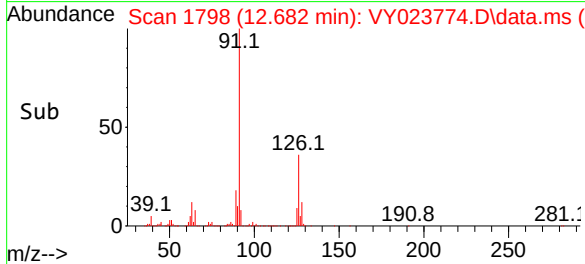
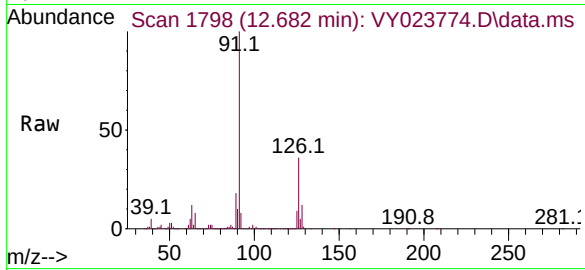
#79
2-Chlorotoluene
Concen: 55.766 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1001802
Ion Ratio Lower Upper
91 100
126 36.1 18.0 54.0

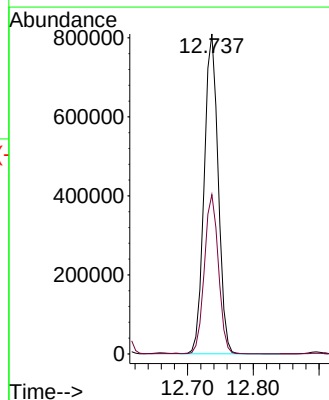
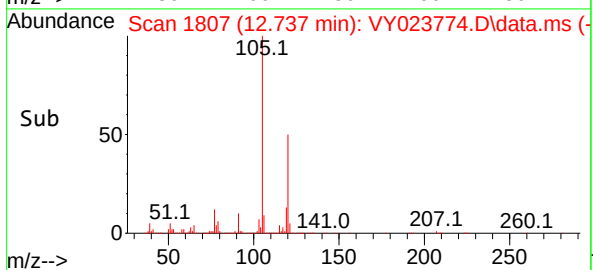
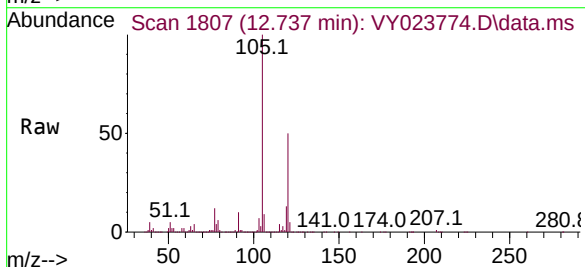
Manual Integrations
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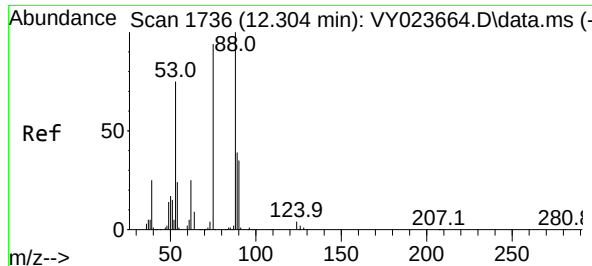
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 55.910 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

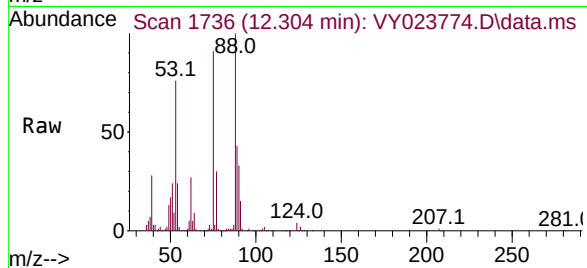
Tgt Ion:105 Resp: 1195577
Ion Ratio Lower Upper
105 100
120 49.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 54.684 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

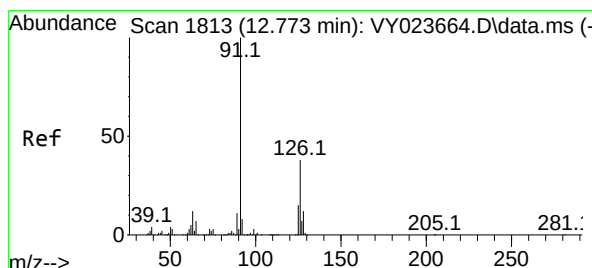
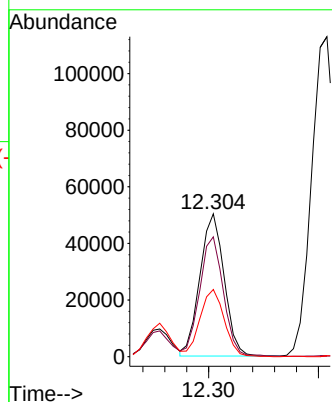
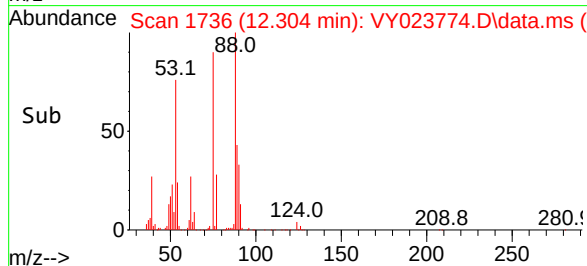
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 77062
Ion Ratio Lower Upper
75 100
53 83.1 69.6 104.4
89 47.6 38.2 57.4

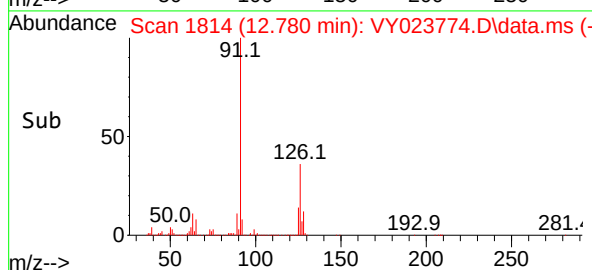
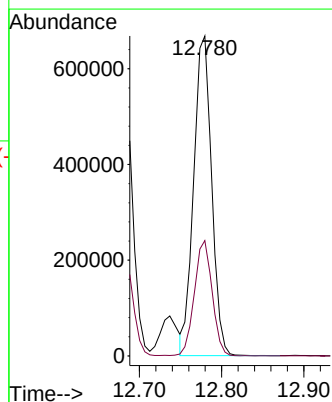
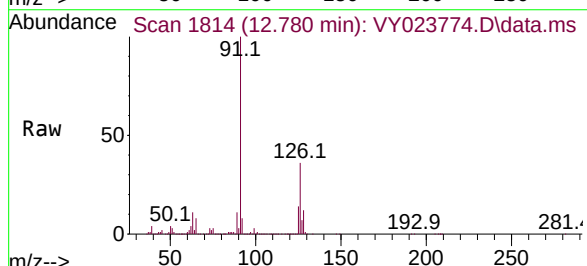
Manual Integrations
APPROVED

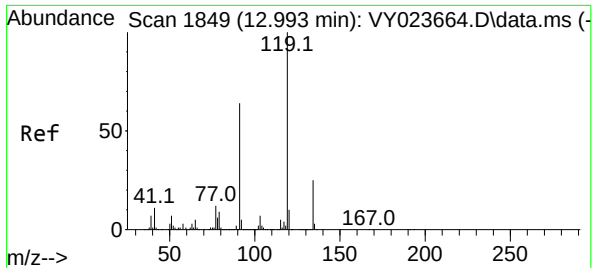
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 54.680 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

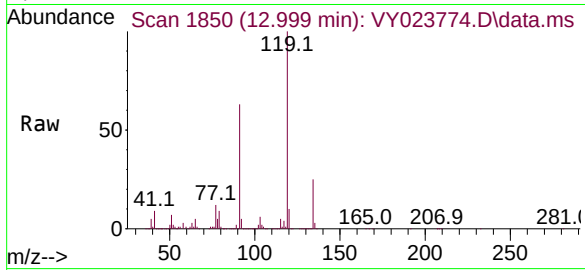
Tgt Ion: 91 Resp: 1013044
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.4





#83
tert-Butylbenzene
Concen: 51.679 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

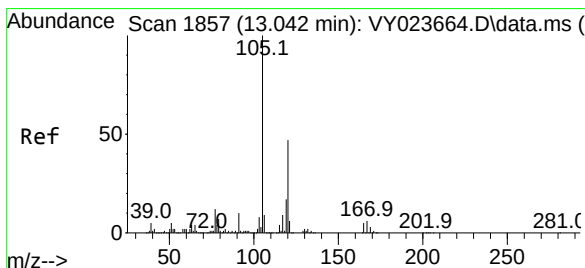
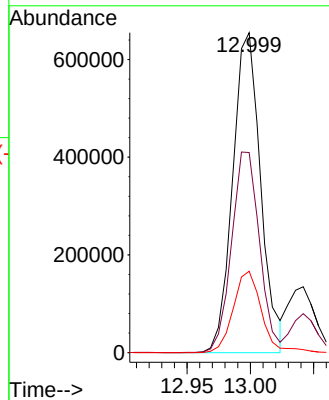
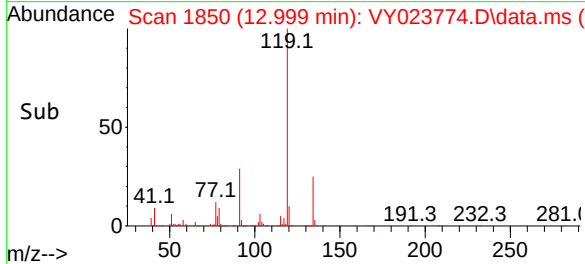
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 100649
Ion Ratio Lower Upper
119 100
91 62.8 30.7 92.1
134 25.8 13.1 39.1

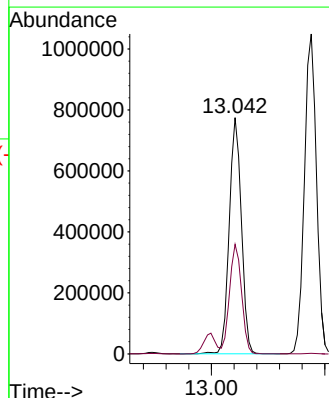
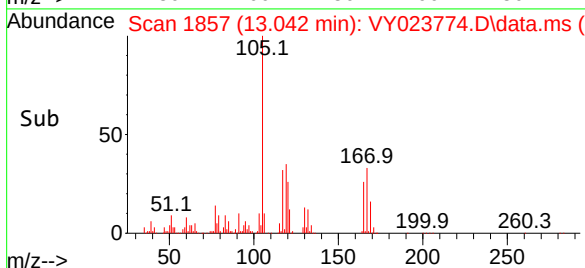
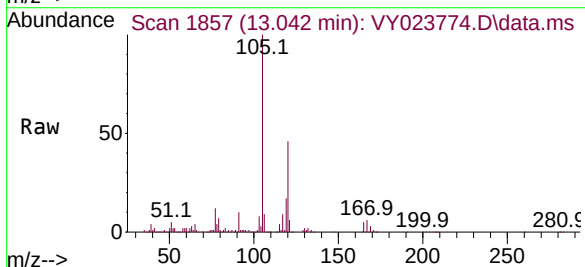
Manual Integrations
APPROVED

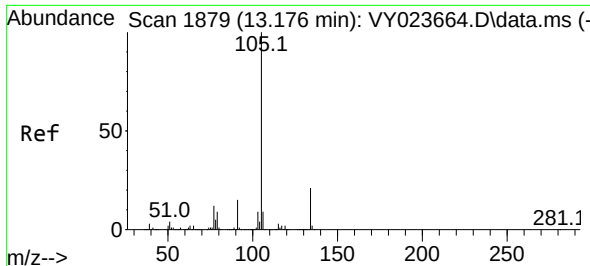
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#84
1,2,4-Trimethylbenzene
Concen: 54.360 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

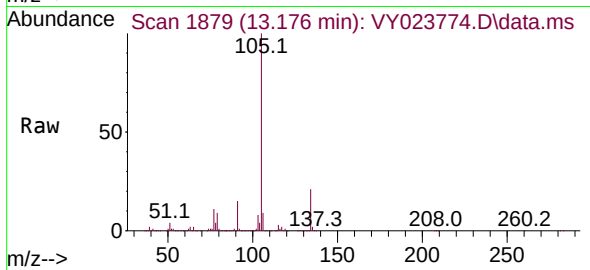
Tgt Ion:105 Resp: 1151348
Ion Ratio Lower Upper
105 100
120 45.8 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 55.127 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48

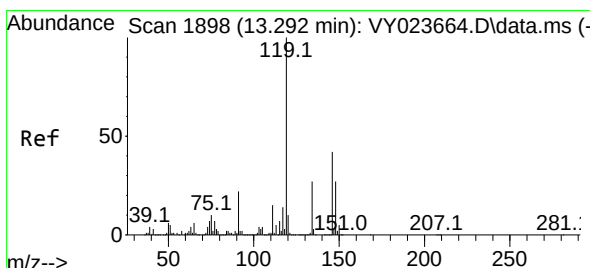
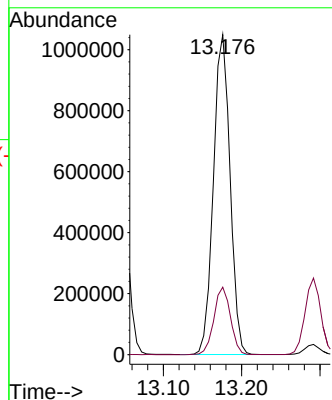
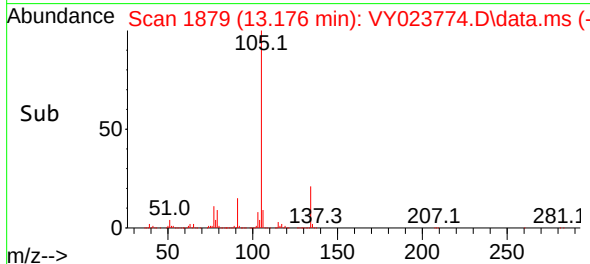
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



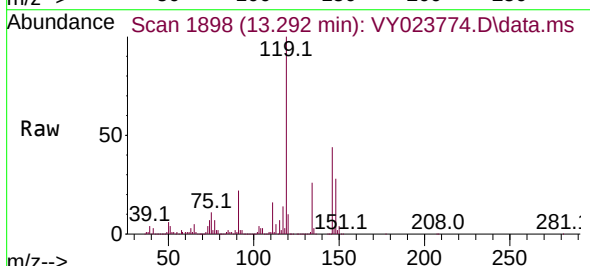
Tgt Ion:105 Resp: 1548572
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4

Manual Integrations
 APPROVED

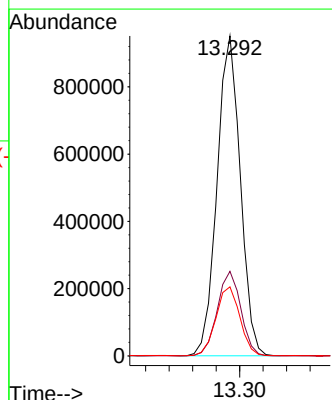
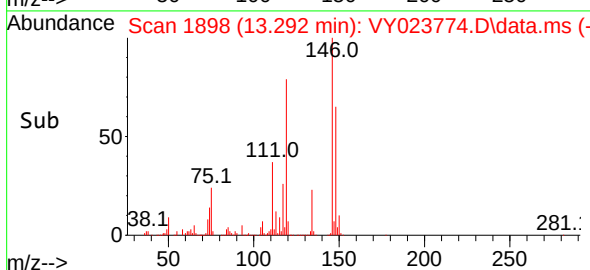
Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

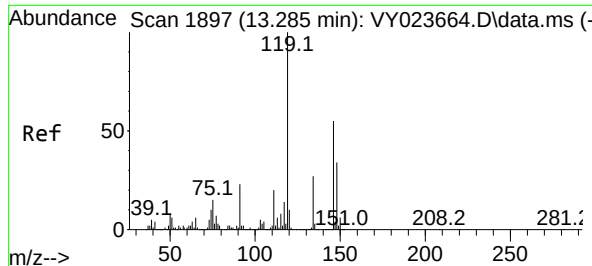


#86
 p-Isopropyltoluene
 Concen: 54.967 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY023774.D
 Acq: 13 Nov 2025 09:48



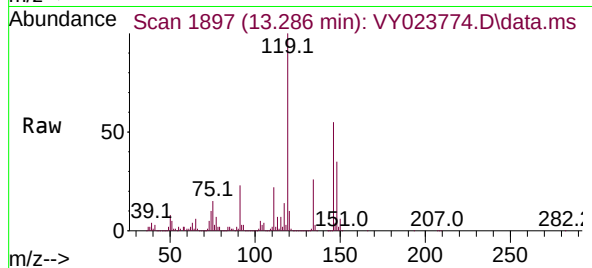
Tgt Ion:119 Resp: 1307126
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.2 11.1 33.1





#87
1,3-Dichlorobenzene
Concen: 52.033 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

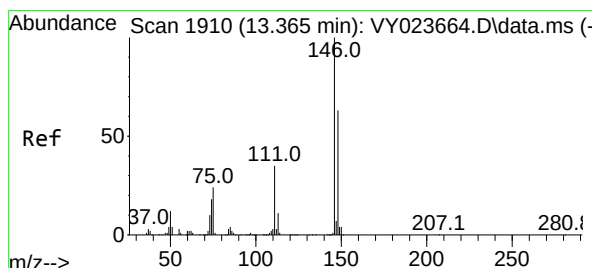
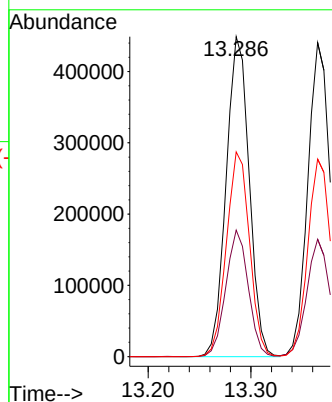
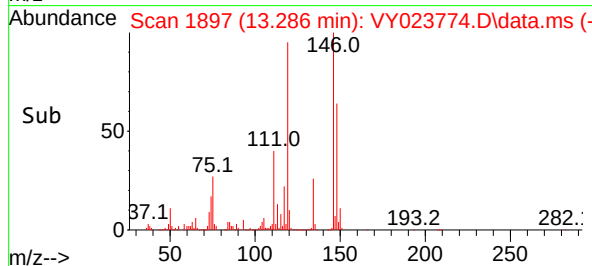
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



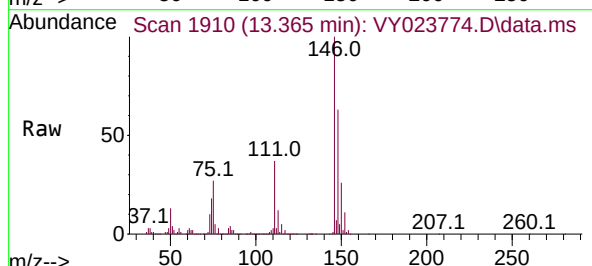
Tgt Ion:146 Resp: 699163
Ion Ratio Lower Upper
146 100
111 38.4 18.8 56.3
148 64.1 31.9 95.5

Manual Integrations
APPROVED

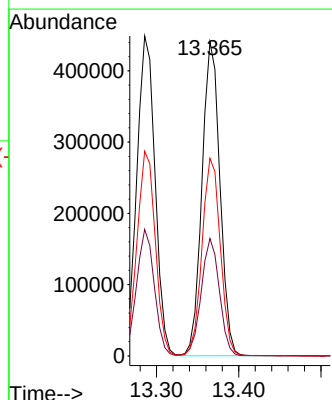
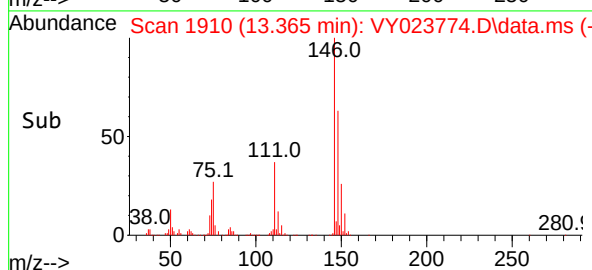
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

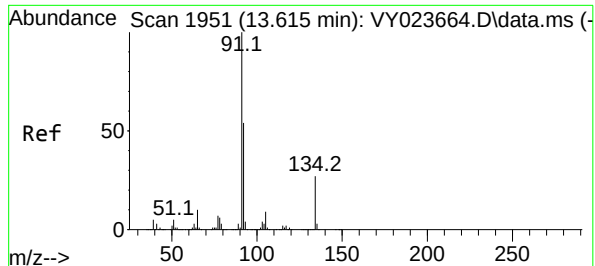


#88
1,4-Dichlorobenzene
Concen: 50.702 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



Tgt Ion:146 Resp: 669229
Ion Ratio Lower Upper
146 100
111 37.8 18.3 54.8
148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 55.085 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1139075

Ion Ratio Lower Upper

91 100

92 54.4 26.5 79.4

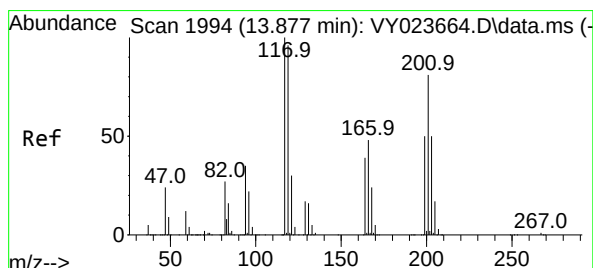
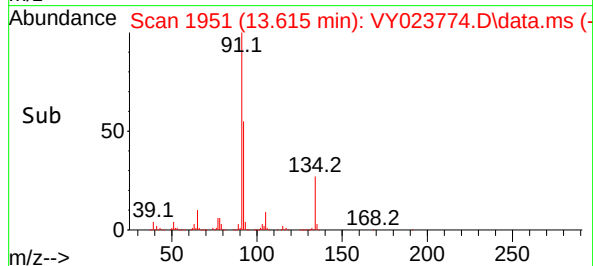
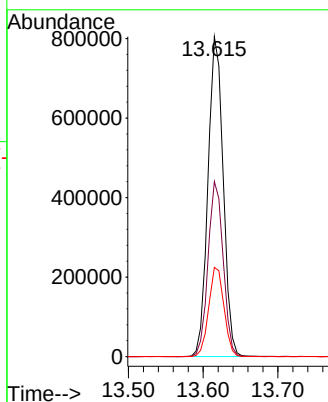
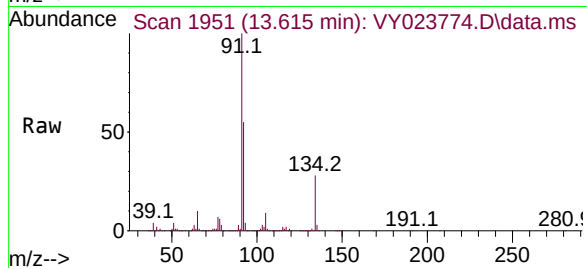
134 28.0 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#90

Hexachloroethane

Concen: 50.701 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023774.D

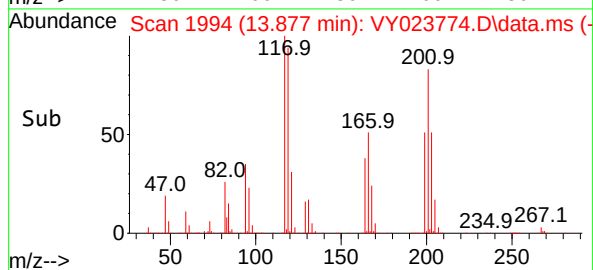
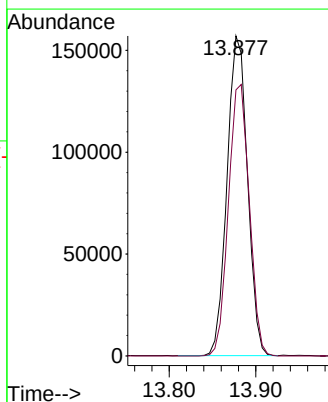
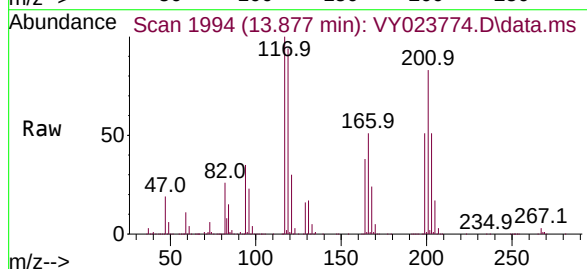
Acq: 13 Nov 2025 09:48

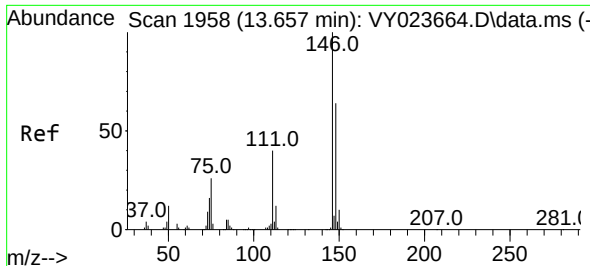
Tgt Ion:117 Resp: 259100

Ion Ratio Lower Upper

117 100

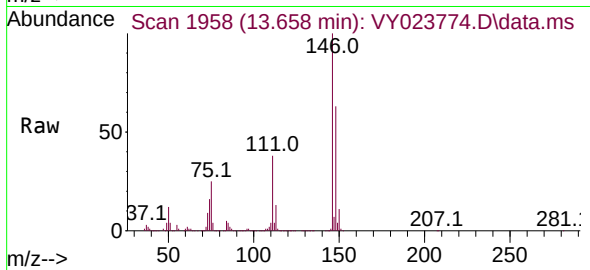
201 86.5 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 51.320 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

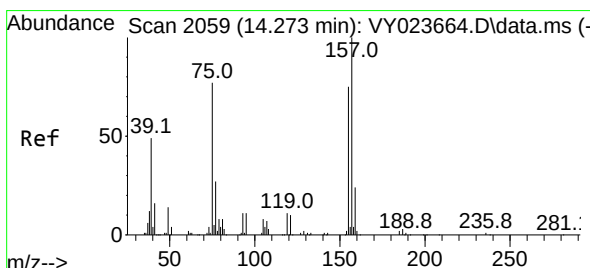
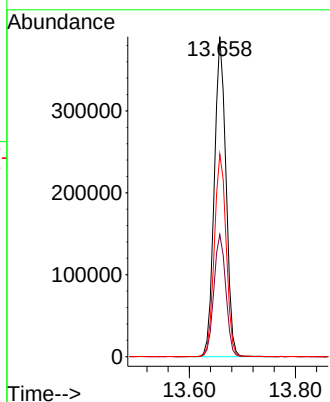
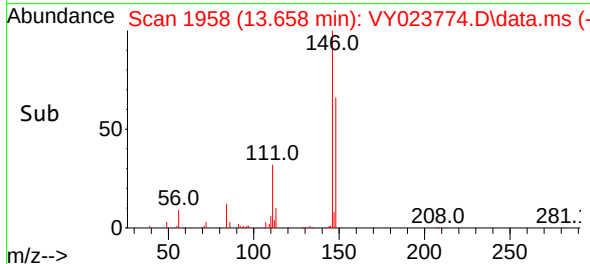
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 594274
Ion Ratio Lower Upper
146 100
111 38.9 19.5 58.5
148 64.2 31.9 95.9

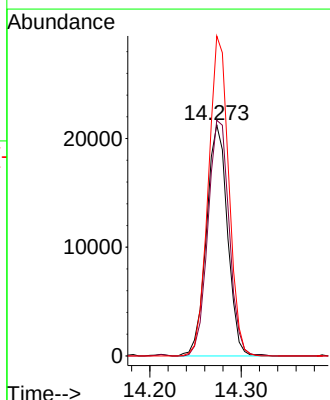
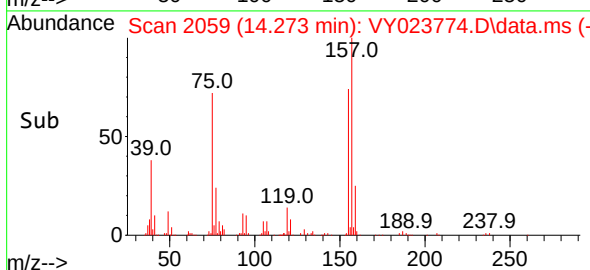
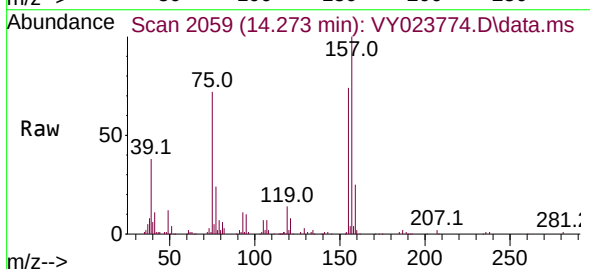
Manual Integrations
APPROVED

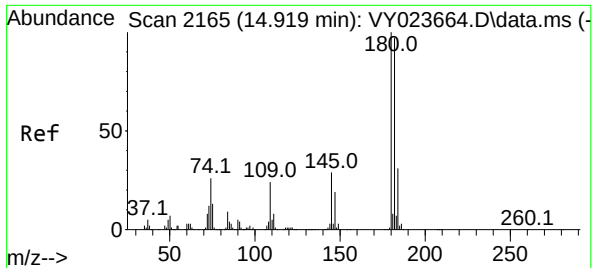
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.594 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

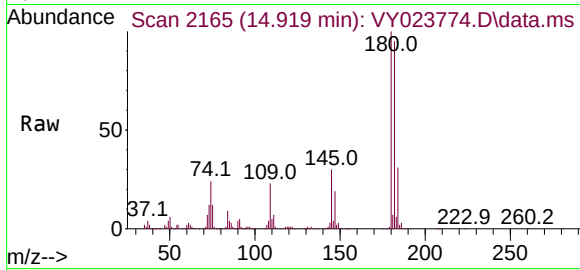
Tgt Ion: 75 Resp: 34039
Ion Ratio Lower Upper
75 100
155 102.6 49.4 148.2
157 133.9 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 51.597 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48

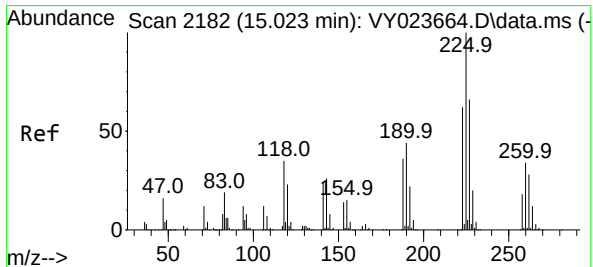
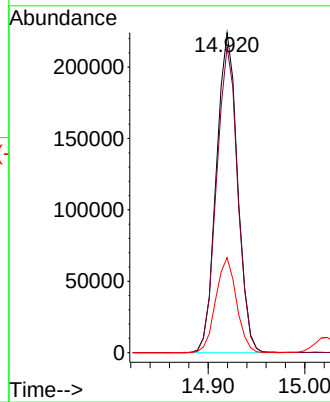
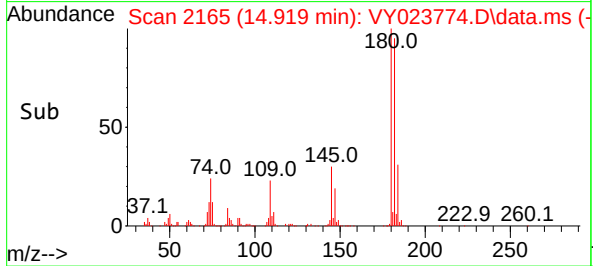
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



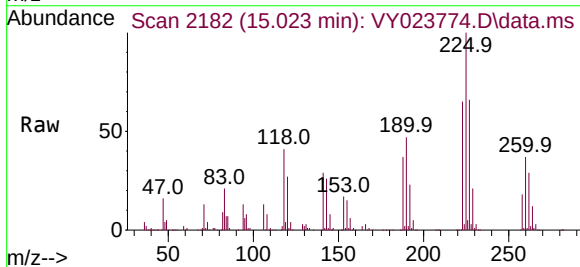
Tgt Ion:180 Resp: 34175
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.6
145 29.1 14.4 43.4

Manual Integrations
APPROVED

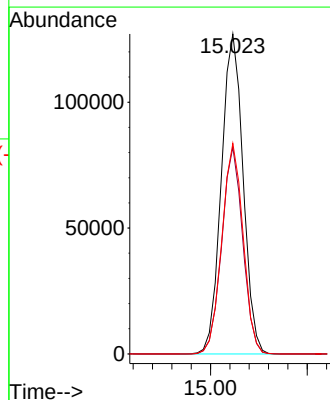
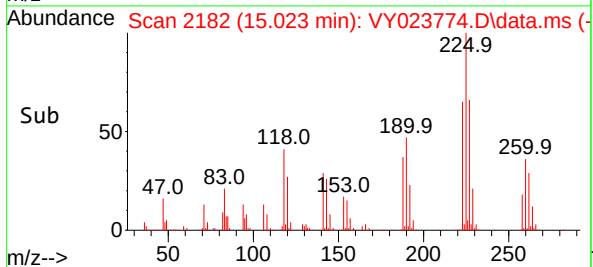
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

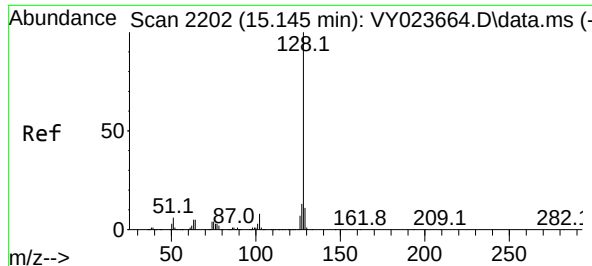


#94
Hexachlorobutadiene
Concen: 45.727 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023774.D
Acq: 13 Nov 2025 09:48



Tgt Ion:225 Resp: 198442
Ion Ratio Lower Upper
225 100
223 62.4 30.8 92.3
227 64.4 32.0 96.2





#95

Naphthalene

Concen: 42.886 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 486905

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

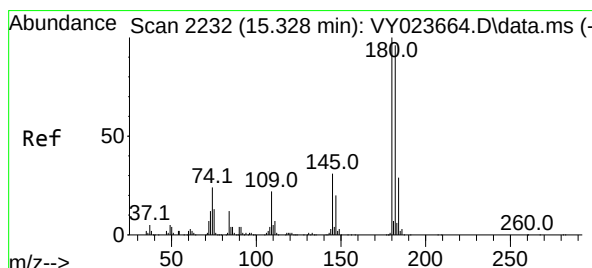
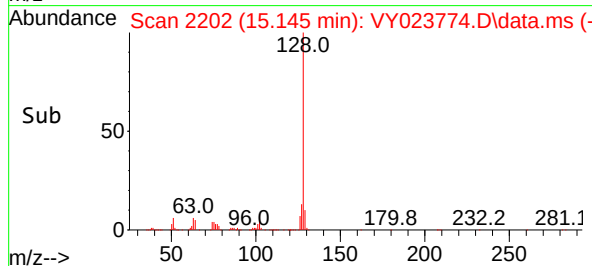
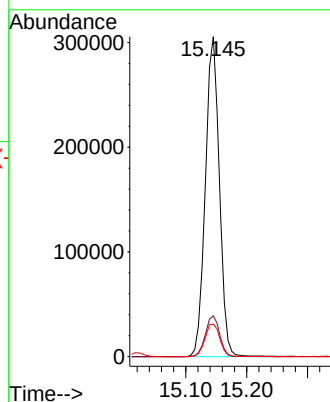
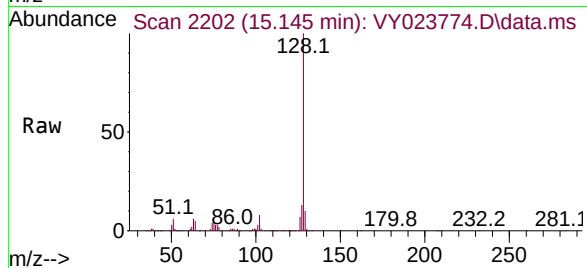
129 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 47.665 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023774.D

Acq: 13 Nov 2025 09:48

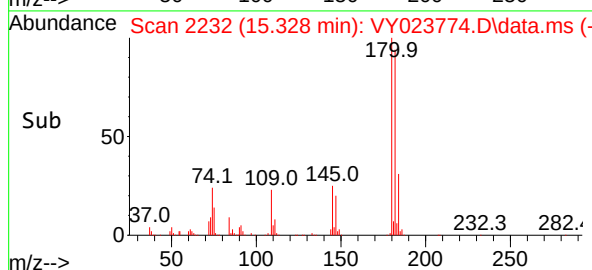
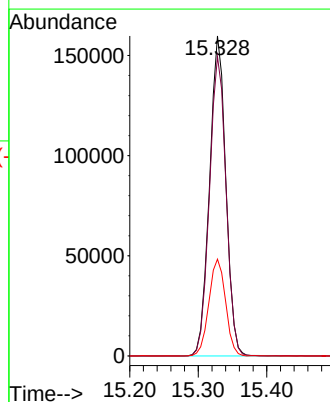
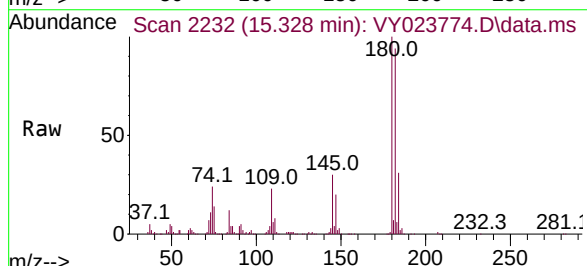
Tgt Ion:180 Resp: 263770

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 30.9 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	93	0.00
2 T	Dichlorodifluoromethane	0.328	0.286	12.8	97	0.00
3 P	Chloromethane	0.459	0.421	8.3	95	0.00
4 C	Vinyl Chloride	0.598	0.540	9.7#	92	0.00
5 T	Bromomethane	0.503	0.419	16.7	88	0.00
6 T	Chloroethane	0.413	0.364	11.9	88	0.00
7 T	Trichlorofluoromethane	0.842	0.880	-4.5	105	0.00
8 T	Diethyl Ether	0.226	0.227	-0.4	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.464	0.474	-2.2	102	0.00
10 T	Methyl Iodide	0.548	0.561	-2.4	91	0.00
11 T	Tert butyl alcohol	0.028	0.030	-7.1	120	-0.01
12 CM	1,1-Dichloroethene	0.447	0.447	0.0	99	0.00
13 T	Acrolein	0.035	0.019	45.7#	61	0.00
14 T	Allyl chloride	0.544	0.584	-7.4	103	0.00
15 T	Acrylonitrile	0.086	0.096	-11.6	109	0.00
16 T	Acetone	0.106	0.112	-5.7	110	0.00
17 T	Carbon Disulfide	1.371	1.363	0.6	98	0.00
18 T	Methyl Acetate	0.234	0.227	3.0	100	0.00
19 T	Methyl tert-butyl Ether	1.036	1.102	-6.4	102	0.00
20 T	Methylene Chloride	0.512	0.506	1.2	102	0.00
21 T	trans-1,2-Dichloroethene	0.504	0.519	-3.0	99	0.00
22 T	Diisopropyl ether	1.212	1.352	-11.6	103	0.00
23 T	Vinyl Acetate	0.647	0.742	-14.7	106	0.00
24 P	1,1-Dichloroethane	0.807	0.849	-5.2	102	0.00
25 T	2-Butanone	0.123	0.130	-5.7	109	0.00
26 T	2,2-Dichloropropane	0.742	0.777	-4.7	102	0.00
27 T	cis-1,2-Dichloroethene	0.575	0.590	-2.6	98	0.00
28 T	Bromochloromethane	0.309	0.332	-7.4	106	0.00
29 T	Tetrahydrofuran	0.065	0.074	-13.8	112	0.00
30 C	Chloroform	0.901	0.934	-3.7#	101	0.00
31 T	Cyclohexane	0.703	0.709	-0.9	100	0.00
32 T	1,1,1-Trichloroethane	0.805	0.835	-3.7	101	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.433	-1.4	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35 S	Dibromofluoromethane	0.312	0.324	-3.8	95	0.00
36 T	1,1-Dichloropropene	0.418	0.449	-7.4	100	0.00
37 T	Ethyl Acetate	0.162	0.187	-15.4	110	0.00
38 T	Carbon Tetrachloride	0.492	0.525	-6.7	100	0.00
39 T	Methylcyclohexane	0.534	0.574	-7.5	97	0.00
40 TM	Benzene	1.316	1.422	-8.1	101	0.00
41 T	Methacrylonitrile	0.088	0.087	1.1	94	0.00
42 TM	1,2-Dichloroethane	0.333	0.359	-7.8	102	0.00
43 T	Isopropyl Acetate	0.304	0.341	-12.2	105	0.00
44 TM	Trichloroethene	0.378	0.392	-3.7	98	0.00
45 C	1,2-Dichloropropane	0.290	0.319	-10.0#	102	0.00
46 T	Dibromomethane	0.180	0.196	-8.9	104	0.00
47 T	Bromodichloromethane	0.454	0.495	-9.0	102	0.00
48 T	Methyl methacrylate	0.143	0.167	-16.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	102	0.00
50 S	Toluene-d8	1.164	1.231	-5.8	94	0.00
51 T	4-Methyl-2-Pentanone	0.162	0.190	-17.3	109	0.00
52 CM	Toluene	0.840	0.923	-9.9#	98	0.00
53 T	t-1,3-Dichloropropene	0.384	0.425	-10.7	100	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.507	-10.2	100	0.00
55 T	1,1,2-Trichloroethane	0.241	0.261	-8.3	102	0.00
56 T	Ethyl methacrylate	0.265	0.316	-19.2	104	0.00
57 T	1,3-Dichloropropane	0.381	0.421	-10.5	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.122	0.147	-20.5	105	0.00
59 T	2-Hexanone	0.118	0.135	-14.4	107	0.00
60 T	Dibromochloromethane	0.330	0.358	-8.5	100	0.00
61 T	1,2-Dibromoethane	0.226	0.244	-8.0	100	0.00
62 S	4-Bromofluorobenzene	0.376	0.495	-31.6#	116	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.520	0.481	7.5	99	0.00
65 PM	Chlorobenzene	1.088	1.101	-1.2	109	0.00
66 T	1,1,1,2-Tetrachloroethane	0.385	0.420	-9.1	117	0.00
67 C	Ethyl Benzene	1.762	1.980	-12.4#	115	0.00
68 T	m/p-Xylenes	0.704	0.783	-11.2	113	0.00
69 T	o-Xylene	0.651	0.741	-13.8	116	0.00
70 T	Styrene	1.074	1.239	-15.4	116	0.00
71 P	Bromoform	0.225	0.256	-13.8	123	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.344	3.765	-12.6	113	0.00
74 T	N-amyl acetate	0.566	0.594	-4.9	107	0.00
75 P	1,1,2,2-Tetrachloroethane	0.534	0.588	-10.1	121	0.00
76 T	1,2,3-Trichloropropane	0.405	0.454	-12.1	126	0.00
77 T	Bromobenzene	0.867	0.966	-11.4	116	0.00
78 T	n-propylbenzene	3.933	4.340	-10.3	110	0.00
79 T	2-Chlorotoluene	2.283	2.546	-11.5	114	0.00
80 T	1,3,5-Trimethylbenzene	2.717	3.038	-11.8	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.179	0.196	-9.5	118	0.00
82 T	4-Chlorotoluene	2.354	2.574	-9.3	112	0.00
83 T	tert-Butylbenzene	2.475	2.558	-3.4	104	0.00
84 T	1,2,4-Trimethylbenzene	2.691	2.926	-8.7	108	0.00
85 T	sec-Butylbenzene	3.569	3.935	-10.3	111	0.00
86 T	p-Isopropyltoluene	3.022	3.322	-9.9	109	0.00
87 T	1,3-Dichlorobenzene	1.707	1.777	-4.1	109	0.00
88 T	1,4-Dichlorobenzene	1.677	1.701	-1.4	107	0.00
89 T	n-Butylbenzene	2.627	2.895	-10.2	109	0.00
90 T	Hexachloroethane	0.649	0.658	-1.4	107	0.00
91 T	1,2-Dichlorobenzene	1.471	1.510	-2.7	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.082	0.087	-6.1	118	0.00
93 T	1,2,4-Trichlorobenzene	0.842	0.868	-3.1	106	0.00
94 T	Hexachlorobutadiene	0.551	0.504	8.5	95	0.00
95 T	Naphthalene	1.257	1.237	1.6	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023774.D
Acq On : 13 Nov 2025 09:48
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: Nov 14 04:20:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	0.703	0.670	4.7	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	93	0.00
2 T	Dichlorodifluoromethane	50.000	43.551	12.9	97	0.00
3 P	Chloromethane	50.000	45.809	8.4	95	0.00
4 C	Vinyl Chloride	50.000	45.200	9.6#	92	0.00
5 T	Bromomethane	50.000	41.661	16.7	88	0.00
6 T	Chloroethane	50.000	44.101	11.8	88	0.00
7 T	Trichlorofluoromethane	50.000	52.254	-4.5	105	0.00
8 T	Diethyl Ether	50.000	50.290	-0.6	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.148	-2.3	102	0.00
10 T	Methyl Iodide	50.000	51.229	-2.5	91	0.00
11 T	Tert butyl alcohol	250.000	268.512	-7.4	120	-0.01
12 CM	1,1-Dichloroethene	50.000	50.063	-0.1#	99	0.00
13 T	Acrolein	250.000	137.849	44.9#	61	0.00
14 T	Allyl chloride	50.000	53.669	-7.3	103	0.00
15 T	Acrylonitrile	250.000	276.898	-10.8	109	0.00
16 T	Acetone	250.000	264.541	-5.8	110	0.00
17 T	Carbon Disulfide	50.000	49.716	0.6	98	0.00
18 T	Methyl Acetate	50.000	48.470	3.1	100	0.00
19 T	Methyl tert-butyl Ether	50.000	53.185	-6.4	102	0.00
20 T	Methylene Chloride	50.000	49.438	1.1	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.482	-3.0	99	0.00
22 T	Diisopropyl ether	50.000	55.778	-11.6	103	0.00
23 T	Vinyl Acetate	250.000	287.068	-14.8	106	0.00
24 P	1,1-Dichloroethane	50.000	52.602	-5.2	102	0.00
25 T	2-Butanone	250.000	264.738	-5.9	109	0.00
26 T	2,2-Dichloropropane	50.000	52.307	-4.6	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.293	-2.6	98	0.00
28 T	Bromochloromethane	50.000	53.652	-7.3	106	0.00
29 T	Tetrahydrofuran	250.000	284.185	-13.7	112	0.00
30 C	Chloroform	50.000	51.853	-3.7#	101	0.00
31 T	Cyclohexane	50.000	50.408	-0.8	100	0.00
32 T	1,1,1-Trichloroethane	50.000	51.858	-3.7	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.783	-1.6	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35 S	Dibromofluoromethane	50.000	51.897	-3.8	95	0.00
36 T	1,1-Dichloropropene	50.000	53.714	-7.4	100	0.00
37 T	Ethyl Acetate	50.000	57.886	-15.8	110	0.00
38 T	Carbon Tetrachloride	50.000	53.328	-6.7	100	0.00
39 T	Methylcyclohexane	50.000	53.818	-7.6	97	0.00
40 TM	Benzene	50.000	54.004	-8.0	101	0.00
41 T	Methacrylonitrile	50.000	49.489	1.0	94	0.00
42 TM	1,2-Dichloroethane	50.000	53.930	-7.9	102	0.00
43 T	Isopropyl Acetate	50.000	56.193	-12.4	105	0.00
44 TM	Trichloroethene	50.000	51.910	-3.8	98	0.00
45 C	1,2-Dichloropropane	50.000	54.896	-9.8#	102	0.00
46 T	Dibromomethane	50.000	54.586	-9.2	104	0.00
47 T	Bromodichloromethane	50.000	54.504	-9.0	102	0.00
48 T	Methyl methacrylate	50.000	58.046	-16.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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: Nov 14 04:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 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	1094.931	-9.5	102	0.00
50 S	Toluene-d8	50.000	52.891	-5.8	94	0.00
51 T	4-Methyl-2-Pentanone	250.000	293.657	-17.5	109	0.00
52 CM	Toluene	50.000	54.895	-9.8#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	55.371	-10.7	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.113	-10.2	100	0.00
55 T	1,1,2-Trichloroethane	50.000	54.201	-8.4	102	0.00
56 T	Ethyl methacrylate	50.000	59.640	-19.3	104	0.00
57 T	1,3-Dichloropropane	50.000	55.218	-10.4	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	303.155	-21.3	105	0.00
59 T	2-Hexanone	250.000	286.358	-14.5	107	0.00
60 T	Dibromochloromethane	50.000	54.095	-8.2	100	0.00
61 T	1,2-Dibromoethane	50.000	54.013	-8.0	100	0.00
62 S	4-Bromofluorobenzene	50.000	65.710	-31.4#	116	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	46.190	7.6	99	0.00
65 PM	Chlorobenzene	50.000	50.564	-1.1	109	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.509	-9.0	117	0.00
67 C	Ethyl Benzene	50.000	56.203	-12.4#	115	0.00
68 T	m/p-Xylenes	100.000	111.216	-11.2	113	0.00
69 T	o-Xylene	50.000	56.973	-13.9	116	0.00
70 T	Styrene	50.000	57.707	-15.4	116	0.00
71 P	Bromoform	50.000	57.012	-14.0	123	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	56.286	-12.6	113	0.00
74 T	N-ethyl acetate	50.000	52.419	-4.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	55.023	-10.0	121	0.00
76 T	1,2,3-Trichloropropane	50.000	56.071	-12.1	126	0.00
77 T	Bromobenzene	50.000	55.672	-11.3	116	0.00
78 T	n-propylbenzene	50.000	55.169	-10.3	110	0.00
79 T	2-Chlorotoluene	50.000	55.766	-11.5	114	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.910	-11.8	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.684	-9.4	118	0.00
82 T	4-Chlorotoluene	50.000	54.680	-9.4	112	0.00
83 T	tert-Butylbenzene	50.000	51.679	-3.4	104	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.360	-8.7	108	0.00
85 T	sec-Butylbenzene	50.000	55.127	-10.3	111	0.00
86 T	p-Isopropyltoluene	50.000	54.967	-9.9	109	0.00
87 T	1,3-Dichlorobenzene	50.000	52.033	-4.1	109	0.00
88 T	1,4-Dichlorobenzene	50.000	50.702	-1.4	107	0.00
89 T	n-Butylbenzene	50.000	55.085	-10.2	109	0.00
90 T	Hexachloroethane	50.000	50.701	-1.4	107	0.00
91 T	1,2-Dichlorobenzene	50.000	51.320	-2.6	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.594	-5.2	118	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.597	-3.2	106	0.00
94 T	Hexachlorobutadiene	50.000	45.727	8.5	95	0.00
95 T	Naphthalene	50.000	42.886	14.2	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023774.D
Acq On : 13 Nov 2025 09:48
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: Nov 14 04:20:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	47.665	4.7	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



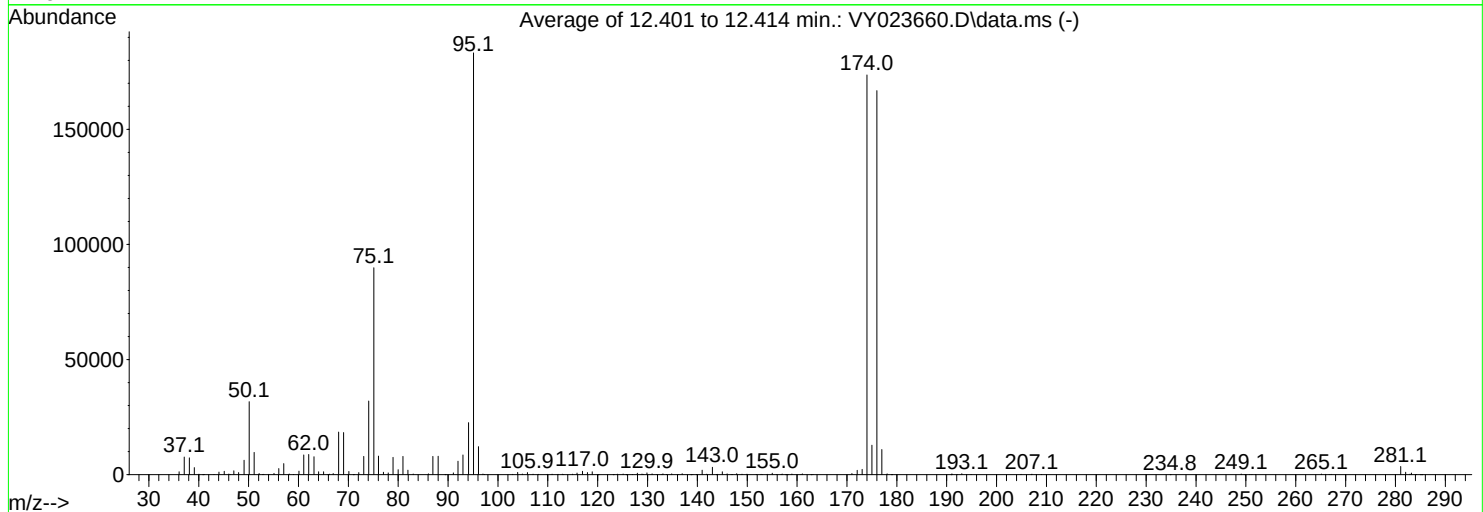
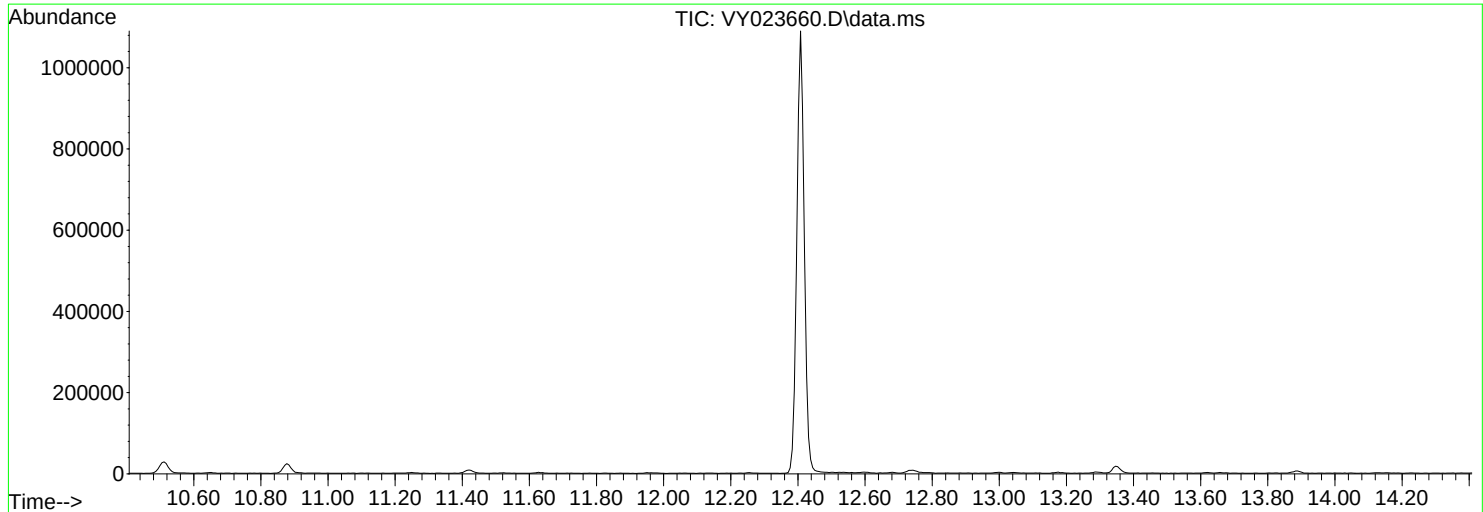
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023660.D
Acq On : 04 Nov 2025 08:11
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\82Y110425S.M
Title : SW846 8260
Last Update : Wed Nov 05 04:41:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

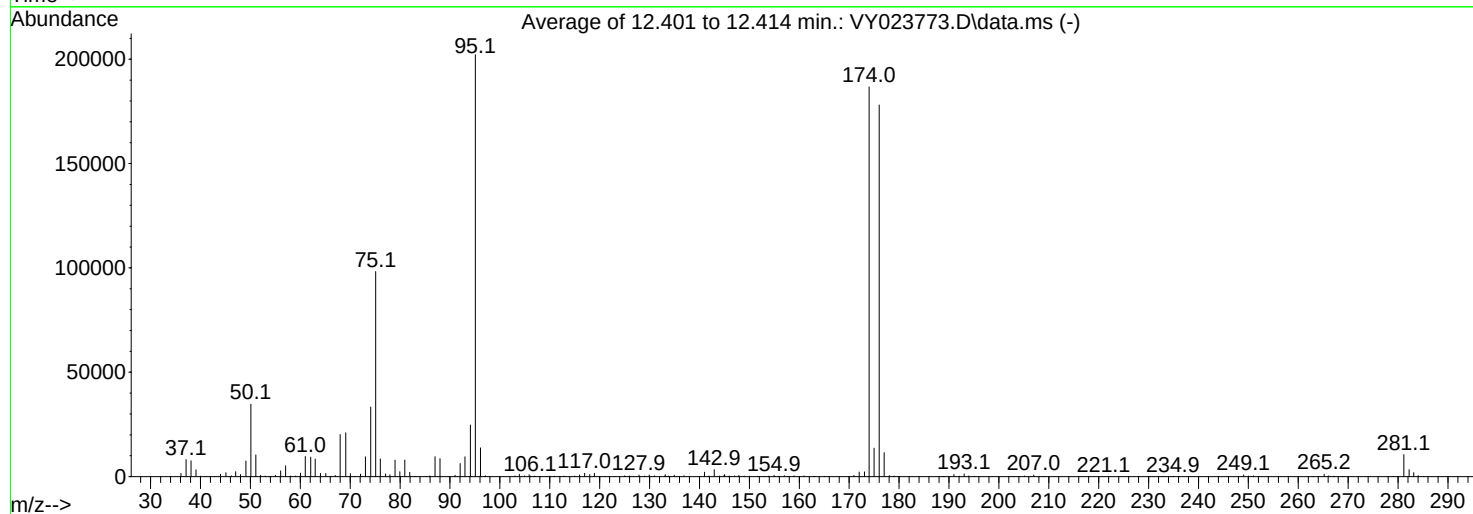
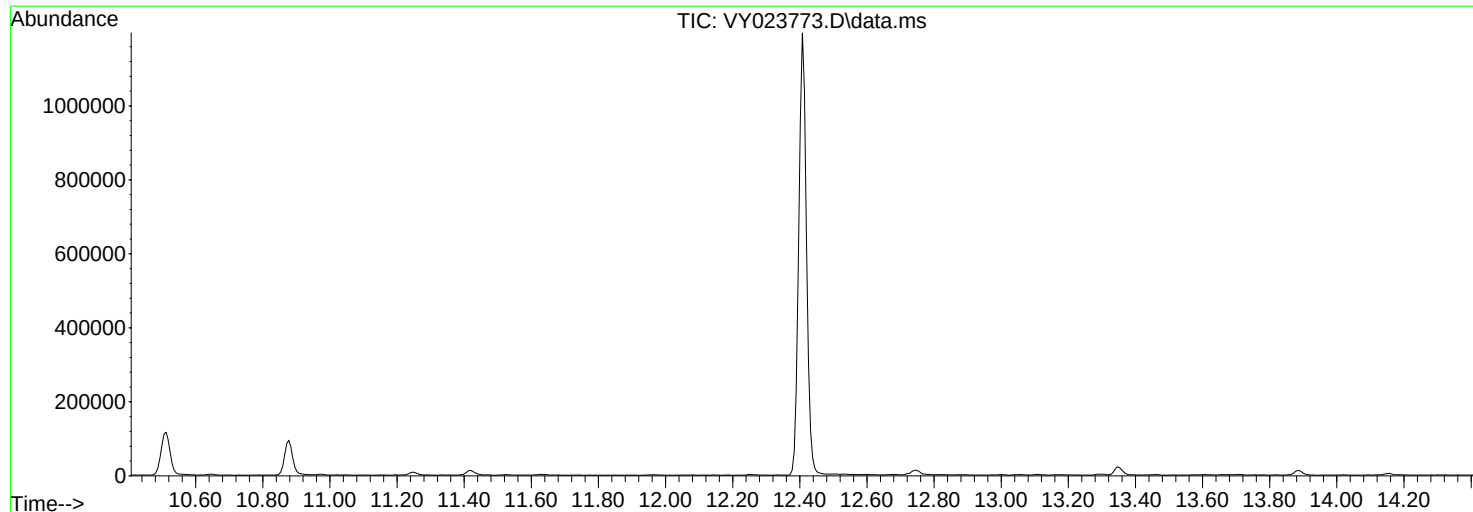
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	31677	PASS
75	95	30	60	49.0	89880	PASS
95	95	100	100	100.0	183253	PASS
96	95	5	9	6.7	12193	PASS
173	174	0.00	2	1.3	2292	PASS
174	95	50	100	94.8	173653	PASS
175	174	5	9	7.4	12790	PASS
176	174	95	101	96.1	166869	PASS
177	176	5	9	6.5	10925	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023773.D
Acq On : 13 Nov 2025 09:06
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\82Y110425S.M
Title : SW846 8260
Last Update : Wed Nov 05 04:41:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.2	34712	PASS
75	95	30	60	48.6	98232	PASS
95	95	100	100	100.0	202133	PASS
96	95	5	9	6.8	13776	PASS
173	174	0.00	2	1.2	2267	PASS
174	95	50	100	92.4	186773	PASS
175	174	5	9	7.3	13635	PASS
176	174	95	101	95.4	178091	PASS
177	176	5	9	6.4	11479	PASS

Report of Analysis

Client: ENTACT
 Project: Whittaker Coatings Site – E9125B
 Client Sample ID: VY1113SBL01
 Lab Sample ID: VY1113SBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3618
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/13/25 10:17	VY111325
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/13/25 10:17	VY111325
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/13/25 10:17	VY111325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/13/25 10:17	VY111325
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/13/25 10:17	VY111325
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/13/25 10:17	VY111325
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/13/25 10:17	VY111325
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/13/25 10:17	VY111325
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/13/25 10:17	VY111325
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/13/25 10:17	VY111325
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/13/25 10:17	VY111325
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/13/25 10:17	VY111325
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/13/25 10:17	VY111325
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/13/25 10:17	VY111325
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/13/25 10:17	VY111325
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/13/25 10:17	VY111325
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/13/25 10:17	VY111325
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/13/25 10:17	VY111325
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/13/25 10:17	VY111325
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/13/25 10:17	VY111325
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/13/25 10:17	VY111325
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/13/25 10:17	VY111325
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/13/25 10:17	VY111325
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/13/25 10:17	VY111325
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/13/25 10:17	VY111325
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/13/25 10:17	VY111325
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/13/25 10:17	VY111325
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/13/25 10:17	VY111325
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/13/25 10:17	VY111325
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/13/25 10:17	VY111325
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/13/25 10:17	VY111325
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/13/25 10:17	VY111325
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/13/25 10:17	VY111325
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/13/25 10:17	VY111325
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/13/25 10:17	VY111325
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/13/25 10:17	VY111325
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/13/25 10:17	VY111325
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/13/25 10:17	VY111325



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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	Whittaker Coatings Site – E9125B	Date Received:	
Client Sample ID:	VY1113SBL01	SDG No.:	Q3618
Lab Sample ID:	VY1113SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/13/25 10:17	VY111325
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/13/25 10:17	VY111325
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/13/25 10:17	VY111325
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/13/25 10:17	VY111325
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/13/25 10:17	VY111325
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/13/25 10:17	VY111325
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/13/25 10:17	VY111325
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/13/25 10:17	VY111325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.7			63 - 155	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	48.7			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			52 - 138	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	771000							
540-36-3	1,4-Difluorobenzene	1350000							
3114-55-4	Chlorobenzene-d5	1130000							
3855-82-1	1,4-Dichlorobenzene-d4	509000							

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\VY111325\
 Data File : VY023775.D
 Acq On : 13 Nov 2025 10:17
 Operator : SY/MD
 Sample : VY1113SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBL01

Quant Time: Nov 14 04:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	770600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1347630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1134546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	509347	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	372807	56.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.440%
35) Dibromofluoromethane	7.634	113	424945	50.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.109	98	1526427	48.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.408	95	512720	50.537	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.080%

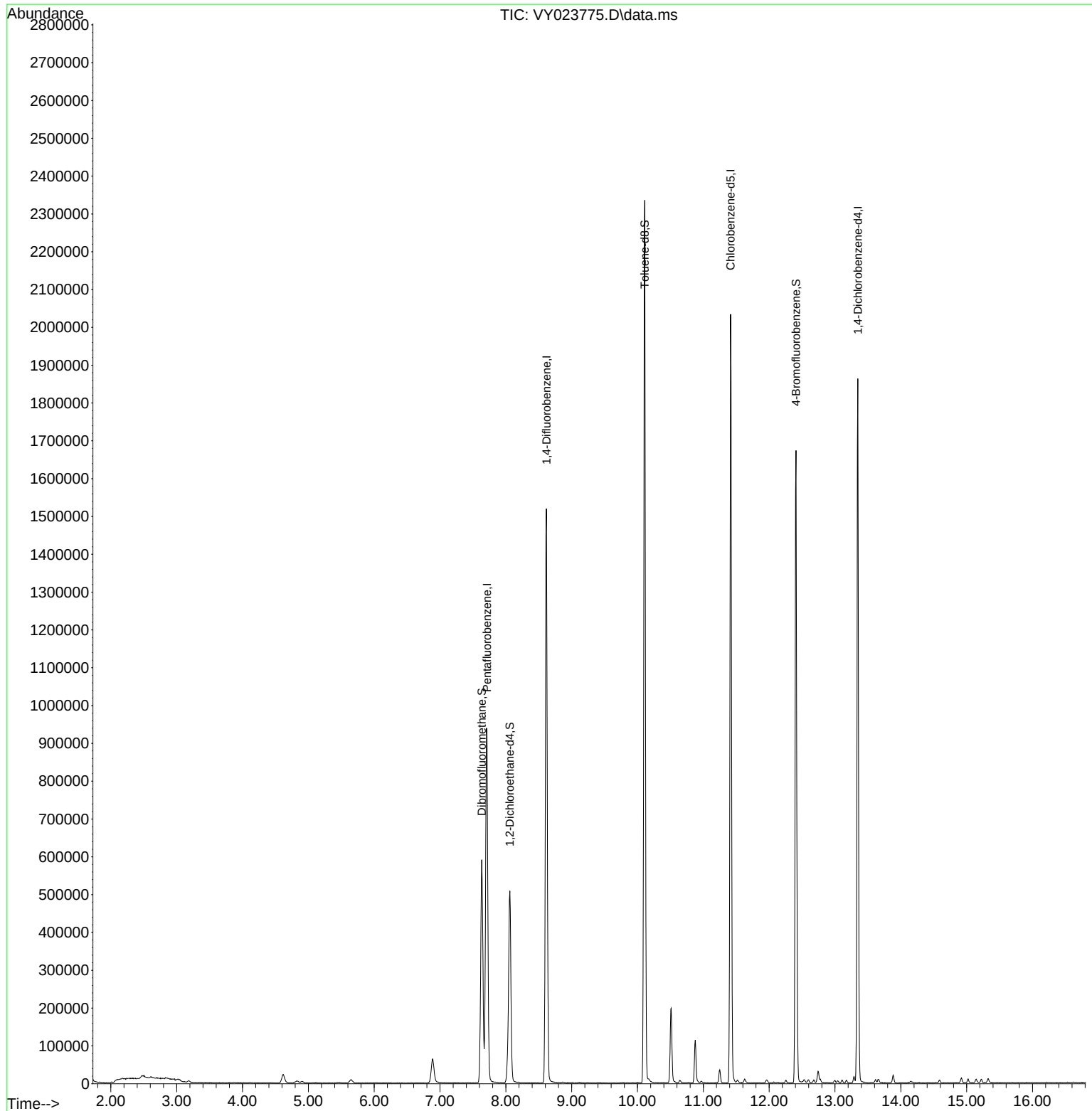
Target Compounds	Qvalue

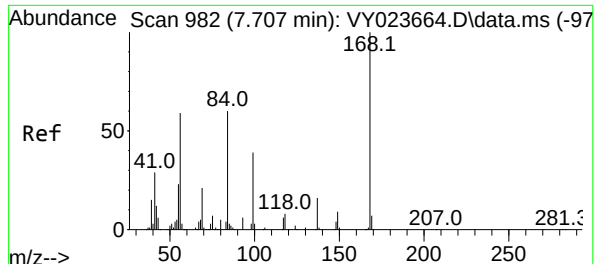
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023775.D
Acq On : 13 Nov 2025 10:17
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Time: Nov 14 04:23:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

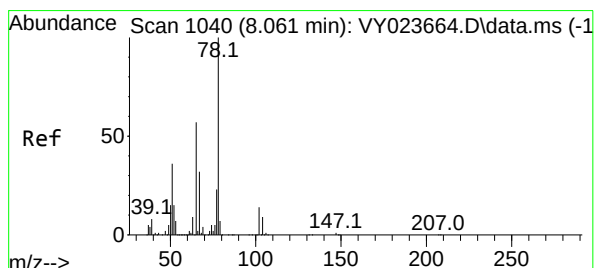
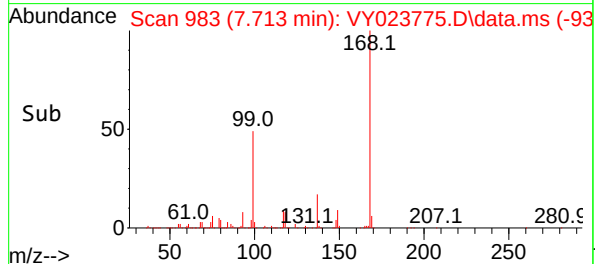
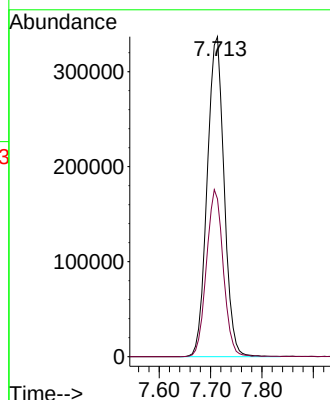
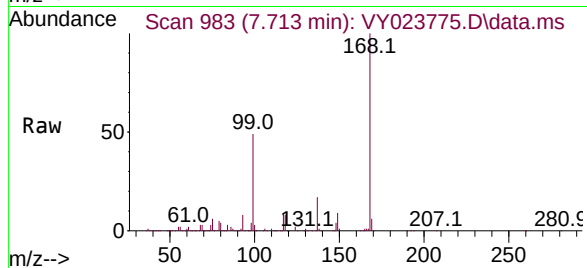




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

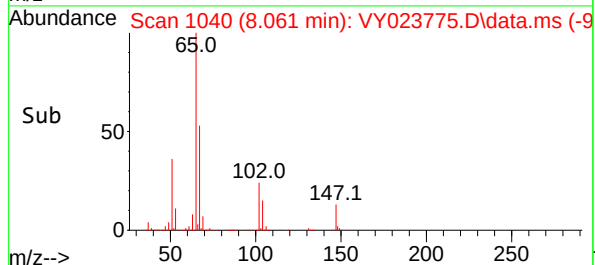
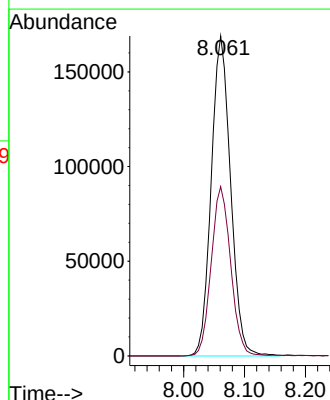
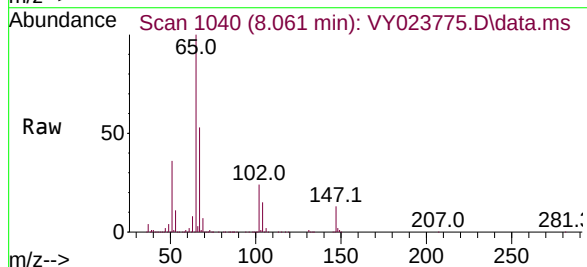
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

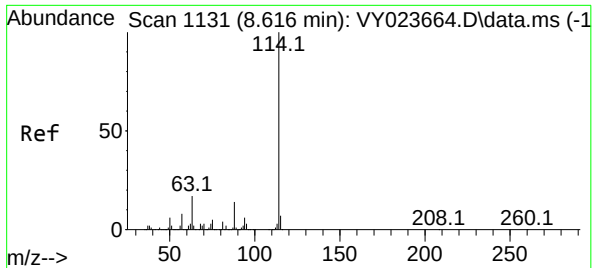
Tgt Ion:168 Resp: 770600
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 56.715 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 65 Resp: 372807
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

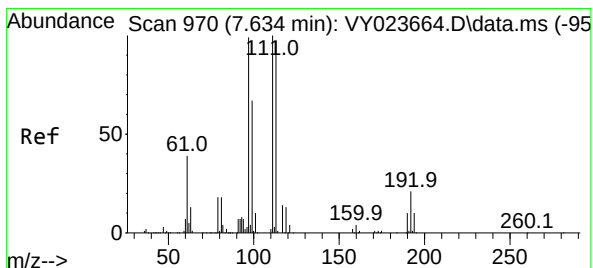
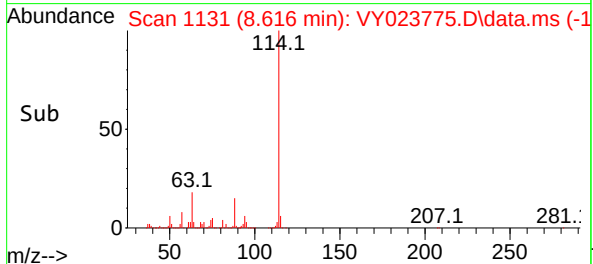
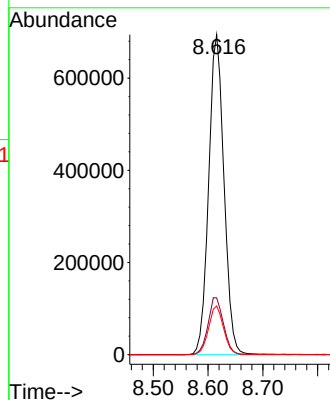
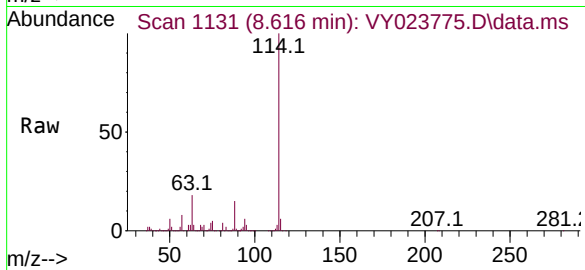
Tgt Ion:114 Resp: 1347630

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.458 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

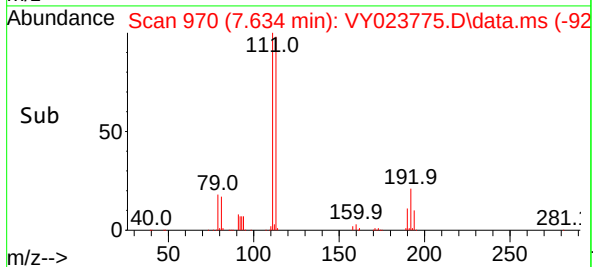
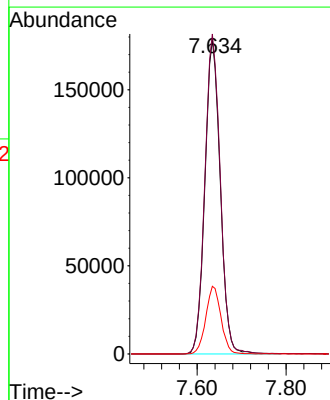
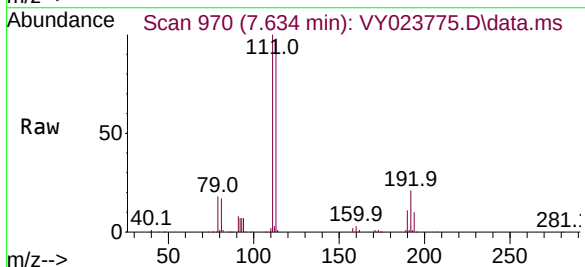
Tgt Ion:113 Resp: 424945

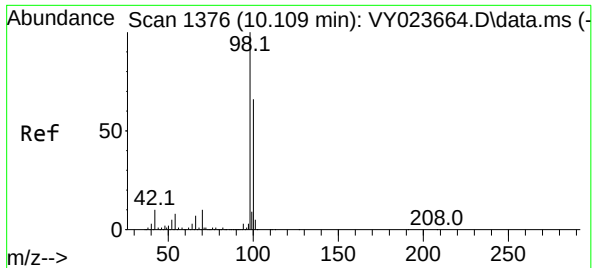
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 21.3 17.3 25.9

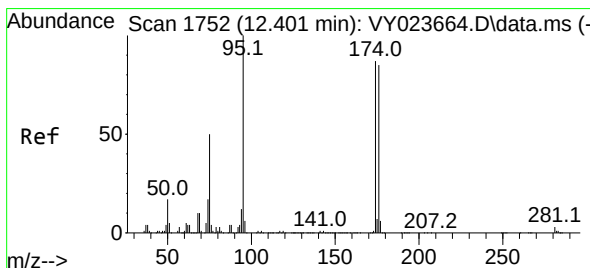
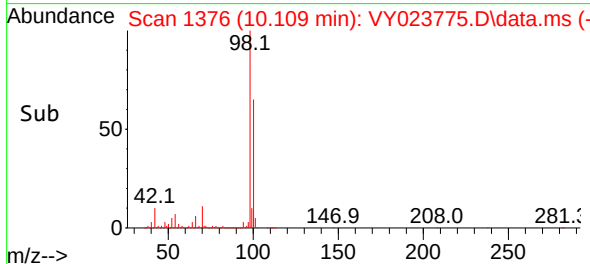
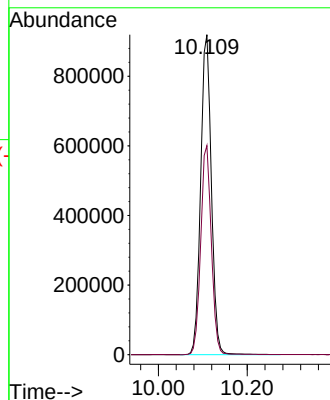
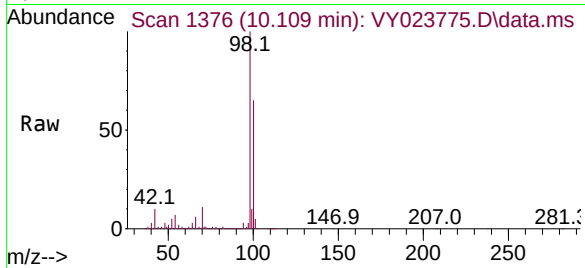




#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

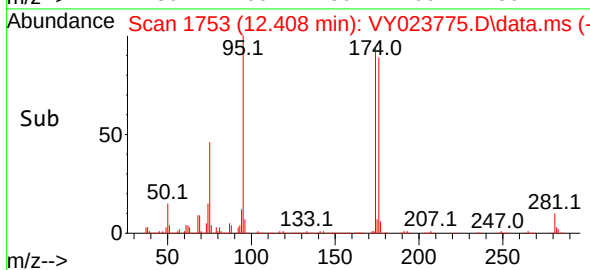
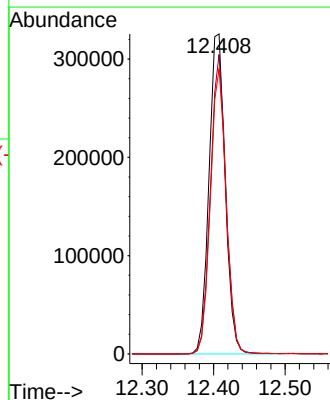
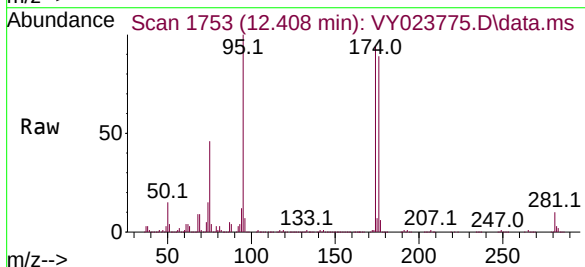
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

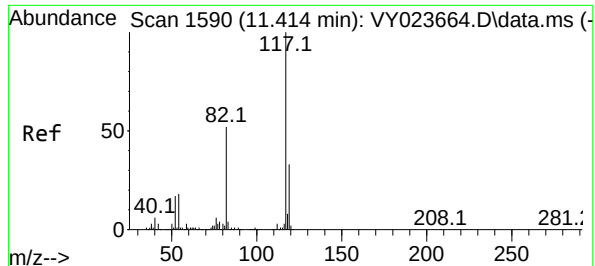
Tgt Ion: 98 Resp: 1526427
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 50.537 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 95 Resp: 512720
Ion Ratio Lower Upper
95 100
174 90.3 0.0 184.8
176 86.5 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

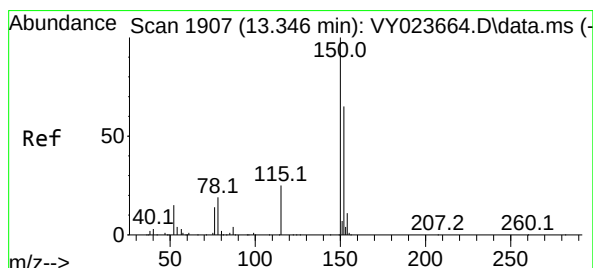
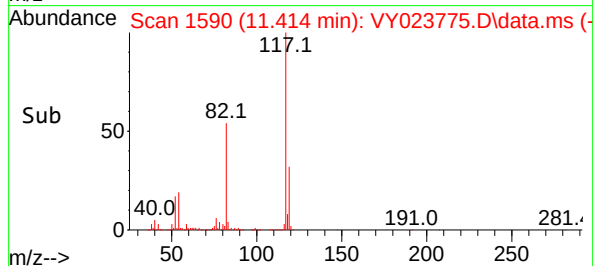
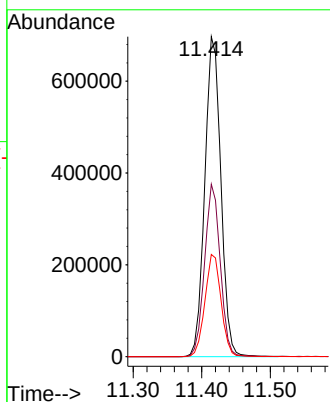
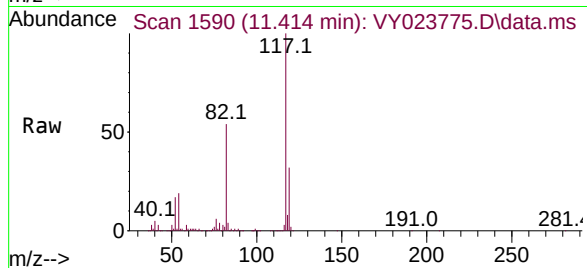
Tgt Ion:117 Resp: 1134546

Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 31.9 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

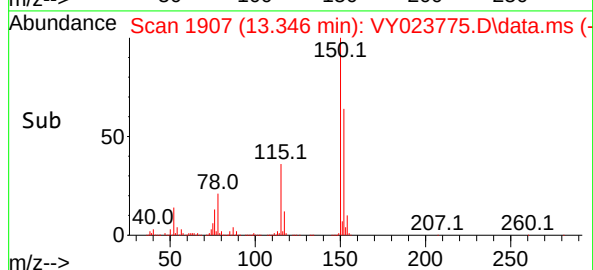
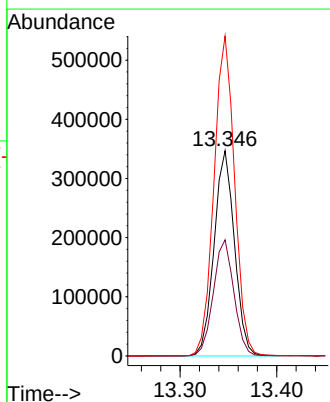
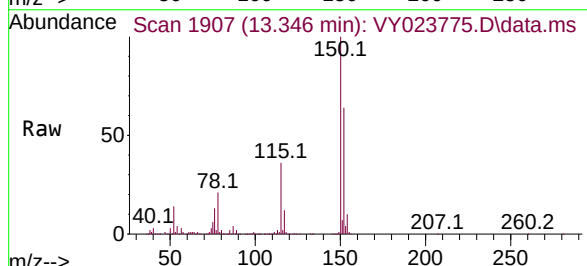
Tgt Ion:152 Resp: 509347

Ion Ratio Lower Upper

152 100

115 57.0 27.5 82.5

150 157.6 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023775.D
 Acq On : 13 Nov 2025 10:17
 Operator : SY/MD
 Sample : VY1113SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBL01

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\82Y110425S.M

Title : SW846 8260

Signal : TIC: VY023775.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	465	476	488	rBV3	22268	71298	1.83%	0.331%
2	6.890	835	848	861	rBV2	63525	199233	5.11%	0.926%
3	7.634	960	970	976	rBV	589847	1401312	35.93%	6.511%
4	7.707	976	982	997	rVB	935803	2166502	55.55%	10.066%
5	8.061	1026	1040	1057	rBV2	508034	1289857	33.07%	5.993%
6	8.616	1122	1131	1147	rBV	1517835	2970624	76.17%	13.802%
7	10.109	1368	1376	1385	rBV	2334156	3900242	100.00%	18.121%
8	10.512	1434	1442	1456	rVB	197198	375654	9.63%	1.745%
9	10.877	1495	1502	1512	rBV	113675	195567	5.01%	0.909%
10	11.249	1557	1563	1569	rBV	34494	58435	1.50%	0.271%
11	11.414	1583	1590	1603	rBV	2033082	3296913	84.53%	15.318%
12	12.408	1745	1753	1767	rBV2	1672011	2723958	69.84%	12.656%
13	12.743	1801	1808	1813	rBV2	29212	57814	1.48%	0.269%
14	13.346	1901	1907	1918	rVB	1860135	2816255	72.21%	13.084%

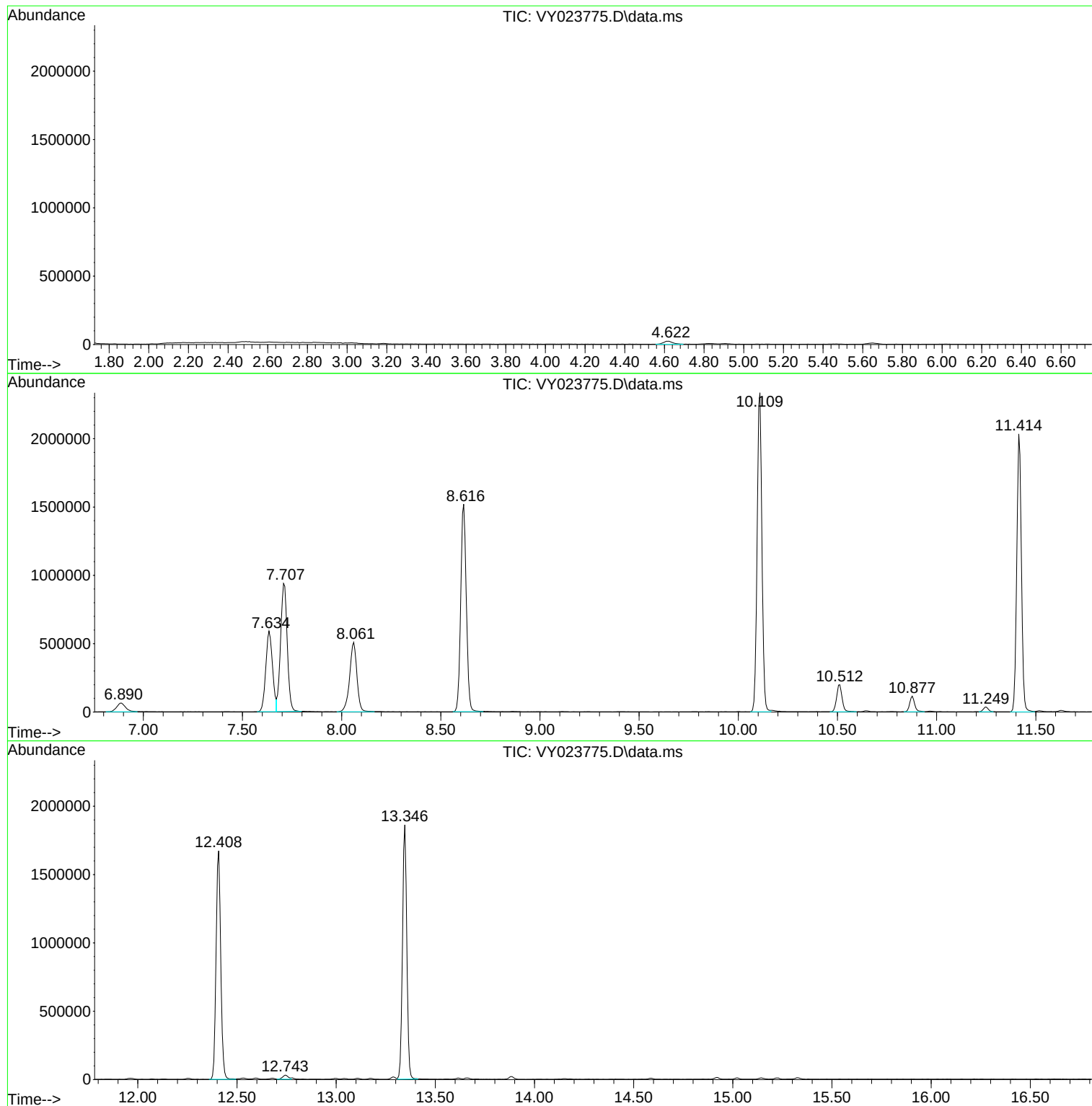
Sum of corrected areas: 21523664

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023775.D
Acq On : 13 Nov 2025 10:17
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023775.D
Acq On : 13 Nov 2025 10:17
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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\VY111325\
Data File : VY023775.D
Acq On : 13 Nov 2025 10:17
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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: ENTACT
 Project: Whittaker Coatings Site – E9125B
 Client Sample ID: VY1113SBS01
 Lab Sample ID: VY1113SBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3618
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.2		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
74-87-3	Chloromethane	21.2		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
75-01-4	Vinyl Chloride	20.2		1	0.79	5.00	ug/Kg	11/13/25 10:46	VY111325
74-83-9	Bromomethane	20.0		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
75-00-3	Chloroethane	19.6		1	1.30	5.00	ug/Kg	11/13/25 10:46	VY111325
75-69-4	Trichlorofluoromethane	21.7		1	1.20	5.00	ug/Kg	11/13/25 10:46	VY111325
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
75-35-4	1,1-Dichloroethene	21.5		1	1.00	5.00	ug/Kg	11/13/25 10:46	VY111325
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	11/13/25 10:46	VY111325
75-15-0	Carbon Disulfide	21.4		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
1634-04-4	Methyl tert-butyl Ether	20.1		1	0.73	5.00	ug/Kg	11/13/25 10:46	VY111325
79-20-9	Methyl Acetate	16.5		1	1.50	5.00	ug/Kg	11/13/25 10:46	VY111325
75-09-2	Methylene Chloride	22.3		1	3.50	10.0	ug/Kg	11/13/25 10:46	VY111325
156-60-5	trans-1,2-Dichloroethene	20.9		1	0.86	5.00	ug/Kg	11/13/25 10:46	VY111325
75-34-3	1,1-Dichloroethane	21.6		1	0.80	5.00	ug/Kg	11/13/25 10:46	VY111325
110-82-7	Cyclohexane	21.4		1	0.79	5.00	ug/Kg	11/13/25 10:46	VY111325
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/13/25 10:46	VY111325
56-23-5	Carbon Tetrachloride	20.7		1	0.97	5.00	ug/Kg	11/13/25 10:46	VY111325
156-59-2	cis-1,2-Dichloroethene	20.6		1	0.75	5.00	ug/Kg	11/13/25 10:46	VY111325
74-97-5	Bromochloromethane	21.6		1	1.20	5.00	ug/Kg	11/13/25 10:46	VY111325
67-66-3	Chloroform	21.3		1	0.84	5.00	ug/Kg	11/13/25 10:46	VY111325
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	11/13/25 10:46	VY111325
108-87-2	Methylcyclohexane	20.2		1	0.91	5.00	ug/Kg	11/13/25 10:46	VY111325
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	11/13/25 10:46	VY111325
107-06-2	1,2-Dichloroethane	20.7		1	0.79	5.00	ug/Kg	11/13/25 10:46	VY111325
79-01-6	Trichloroethene	20.2		1	0.81	5.00	ug/Kg	11/13/25 10:46	VY111325
78-87-5	1,2-Dichloropropane	21.1		1	0.91	5.00	ug/Kg	11/13/25 10:46	VY111325
75-27-4	Bromodichloromethane	21.0		1	0.78	5.00	ug/Kg	11/13/25 10:46	VY111325
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	11/13/25 10:46	VY111325
108-88-3	Toluene	21.3		1	0.78	5.00	ug/Kg	11/13/25 10:46	VY111325
10061-02-6	t-1,3-Dichloropropene	20.4		1	0.65	5.00	ug/Kg	11/13/25 10:46	VY111325
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	11/13/25 10:46	VY111325
79-00-5	1,1,2-Trichloroethane	20.5		1	0.92	5.00	ug/Kg	11/13/25 10:46	VY111325
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/13/25 10:46	VY111325
124-48-1	Dibromochloromethane	20.2		1	0.87	5.00	ug/Kg	11/13/25 10:46	VY111325
106-93-4	1,2-Dibromoethane	20.4		1	0.88	5.00	ug/Kg	11/13/25 10:46	VY111325
127-18-4	Tetrachloroethene	19.5		1	1.10	5.00	ug/Kg	11/13/25 10:46	VY111325
108-90-7	Chlorobenzene	19.7		1	0.91	5.00	ug/Kg	11/13/25 10:46	VY111325
100-41-4	Ethyl Benzene	19.4		1	0.67	5.00	ug/Kg	11/13/25 10:46	VY111325
179601-23-1	m/p-Xylenes	39.1		1	1.20	10.0	ug/Kg	11/13/25 10:46	VY111325
95-47-6	o-Xylene	19.1		1	0.82	5.00	ug/Kg	11/13/25 10:46	VY111325
100-42-5	Styrene	19.5		1	0.71	5.00	ug/Kg	11/13/25 10:46	VY111325
75-25-2	Bromoform	22.2		1	0.86	5.00	ug/Kg	11/13/25 10:46	VY111325



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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	Whittaker Coatings Site – E9125B	Date Received:	
Client Sample ID:	VY1113SBS01	SDG No.:	Q3618
Lab Sample ID:	VY1113SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.8		1	0.78	5.00	ug/Kg	11/13/25 10:46	VY111325
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	1.20	5.00	ug/Kg	11/13/25 10:46	VY111325
541-73-1	1,3-Dichlorobenzene	19.9		1	1.70	5.00	ug/Kg	11/13/25 10:46	VY111325
106-46-7	1,4-Dichlorobenzene	19.8		1	1.60	5.00	ug/Kg	11/13/25 10:46	VY111325
95-50-1	1,2-Dichlorobenzene	19.6		1	1.50	5.00	ug/Kg	11/13/25 10:46	VY111325
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1	1.80	5.00	ug/Kg	11/13/25 10:46	VY111325
120-82-1	1,2,4-Trichlorobenzene	18.5		1	3.00	5.00	ug/Kg	11/13/25 10:46	VY111325
87-61-6	1,2,3-Trichlorobenzene	19.1		1	3.20	5.00	ug/Kg	11/13/25 10:46	VY111325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.7			63 - 155	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	51.1			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.2			52 - 138	124%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	545000							
540-36-3	1,4-Difluorobenzene	821000							
3114-55-4	Chlorobenzene-d5	760000							
3855-82-1	1,4-Dichlorobenzene-d4	418000							

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\VY111325\
 Data File : VY023776.D
 Acq On : 13 Nov 2025 10:46
 Operator : SY/MD
 Sample : VY1113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:23:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	545029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	820567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	760023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	418145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	235681	50.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.380%			
35) Dibromofluoromethane	7.634	113	256940	50.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.103	98	976007	51.094	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.402	95	384143	62.185	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 124.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79594	22.247	ug/l	97
3) Chloromethane	2.074	50	106278	21.228	ug/l	99
4) Vinyl Chloride	2.202	62	131346	20.161	ug/l	99
5) Bromomethane	2.592	94	109472	19.977	ug/l	100
6) Chloroethane	2.733	64	88056	19.556	ug/l	99
7) Trichlorofluoromethane	3.056	101	199401	21.733	ug/l	100
8) Diethyl Ether	3.458	74	51454	20.912	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	109549	21.671	ug/l	99
10) Methyl Iodide	4.007	142	106137	17.780	ug/l	98
11) Tert butyl alcohol	4.842	59	46387	154.737	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	104547	21.469	ug/l	97
13) Acrolein	3.653	56	32558	84.498	ug/l	97
14) Allyl chloride	4.385	41	129235	21.804	ug/l	95
15) Acrylonitrile	5.055	53	100126	106.484	ug/l	99
16) Acetone	3.866	43	138157	119.550	ug/l	97
17) Carbon Disulfide	4.104	76	320170	21.422	ug/l	100
18) Methyl Acetate	4.385	43	42045	16.495	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	227189	20.120	ug/l	99
20) Methylene Chloride	4.616	84	124301	22.281	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	114996	20.944	ug/l	92
22) Diisopropyl ether	6.019	45	293002	22.185	ug/l	96
23) Vinyl Acetate	5.958	43	772434	109.596	ug/l	97
24) 1,1-Dichloroethane	5.915	63	189891	21.582	ug/l	99
25) 2-Butanone	6.896	43	150376	112.546	ug/l	97
26) 2,2-Dichloropropane	6.884	77	177614	21.945	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	129453	20.644	ug/l	97
28) Bromochloromethane	7.244	49	72758	21.597	ug/l	94
29) Tetrahydrofuran	7.256	42	73131	102.773	ug/l	95
30) Chloroform	7.421	83	209452	21.336	ug/l	96
31) Cyclohexane	7.701	56	164132	21.420	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	187015	21.315	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143675	20.967	ug/l	98
37) Ethyl Acetate	6.982	43	54421	20.515	ug/l	99
38) Carbon Tetrachloride	7.817	117	166738	20.652	ug/l	98
39) Methylcyclohexane	9.109	83	176587	20.169	ug/l	95
40) Benzene	8.079	78	457268	21.171	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023776.D
 Acq On : 13 Nov 2025 10:46
 Operator : SY/MD
 Sample : VY1113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:23:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	25725	17.766	ug/l #	73
42) 1,2-Dichloroethane	8.158	62	113325	20.739	ug/l	100
43) Isopropyl Acetate	8.195	43	101503	20.365	ug/l	98
44) Trichloroethene	8.866	130	125002	20.150	ug/l	100
45) 1,2-Dichloropropane	9.140	63	100412	21.064	ug/l	97
46) Dibromomethane	9.231	93	61074	20.678	ug/l	95
47) Bromodichloromethane	9.420	83	156275	20.986	ug/l	100
48) Methyl methacrylate	9.219	41	44060	18.711	ug/l	97
49) 1,4-Dioxane	9.225	88	12378	409.501	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	270250	101.958	ug/l	99
52) Toluene	10.170	92	293575	21.290	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	128390	20.376	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	156524	20.734	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	81108	20.548	ug/l	95
56) Ethyl methacrylate	10.438	69	85667	19.698	ug/l	99
57) 1,3-Dichloropropane	10.713	76	129224	20.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	203517	101.981	ug/l	98
59) 2-Hexanone	10.762	43	204847	105.930	ug/l	98
60) Dibromochloromethane	10.908	129	109389	20.170	ug/l	98
61) 1,2-Dibromoethane	11.012	107	75698	20.435	ug/l	97
64) Tetrachloroethene	10.646	164	154096	19.480	ug/l	98
65) Chlorobenzene	11.438	112	326124	19.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	113251	19.357	ug/l	99
67) Ethyl Benzene	11.518	91	519543	19.401	ug/l	98
68) m/p-Xylenes	11.627	106	417915	39.061	ug/l	97
69) o-Xylene	11.957	106	188450	19.054	ug/l	97
70) Styrene	11.969	104	318461	19.516	ug/l	99
71) Bromoform	12.127	173	75763	22.172	ug/l #	99
73) Isopropylbenzene	12.255	105	580787	20.767	ug/l	100
74) N-amyl acetate	12.066	43	83531	17.642	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.505	83	87155	19.513	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	63683m	18.818	ug/l	
77) Bromobenzene	12.530	156	149004	20.540	ug/l	98
78) n-propylbenzene	12.591	91	688982	20.945	ug/l	100
79) 2-Chlorotoluene	12.676	91	405941	21.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	494452	21.761	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29575	19.751	ug/l	90
82) 4-Chlorotoluene	12.773	91	425037	21.590	ug/l	99
83) tert-Butylbenzene	12.993	119	418202	20.208	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	469133	20.845	ug/l	99
85) sec-Butylbenzene	13.176	105	614481	20.586	ug/l	100
86) p-Isopropyltoluene	13.292	119	513632	20.327	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	284549	19.929	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	277351	19.775	ug/l	99
89) n-Butylbenzene	13.615	91	429665	19.554	ug/l	99
90) Hexachloroethane	13.877	117	103951	19.143	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	240850	19.574	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12745	18.532	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	130145	18.492	ug/l	98
94) Hexachlorobutadiene	15.023	225	89012	19.303	ug/l	99
95) Naphthalene	15.145	128	180841	18.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	112209	19.082	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023776.D
Acq On : 13 Nov 2025 10:46
Operator : SY/MD
Sample : VY1113SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:23:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

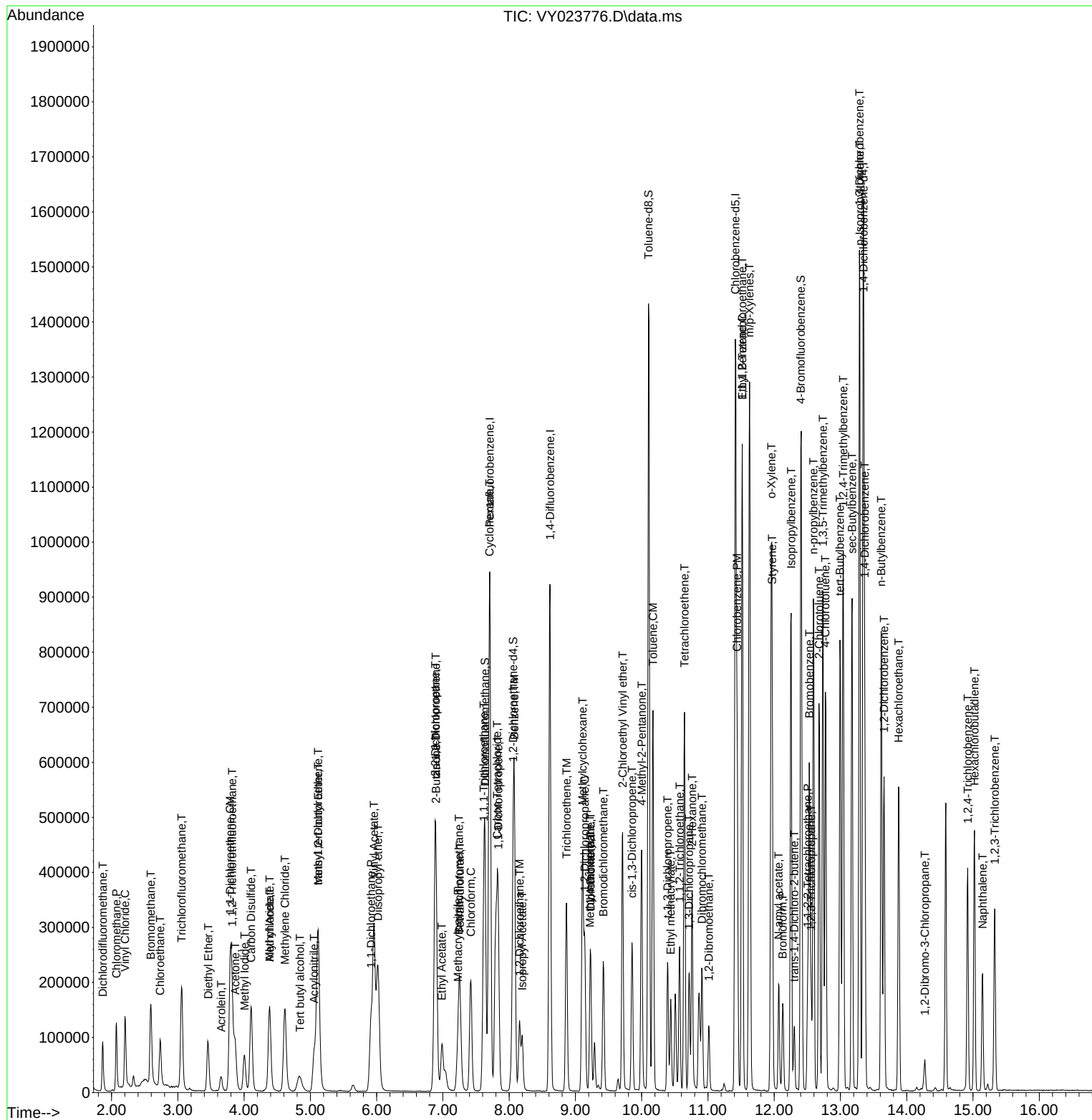
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023776.D
Acq On : 13 Nov 2025 10:46
Operator : SY/MD
Sample : VY11135BS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

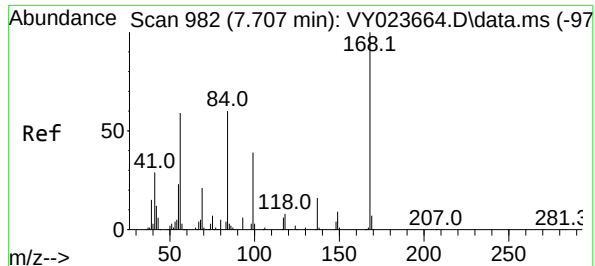
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Manual Integrations

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

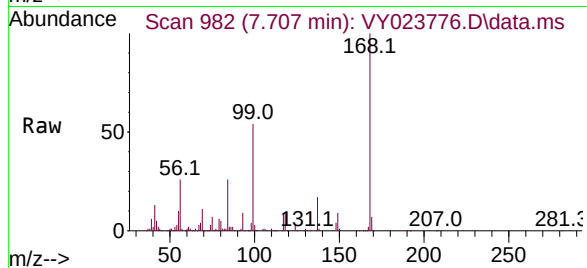
Quant Time: Nov 14 04:23:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

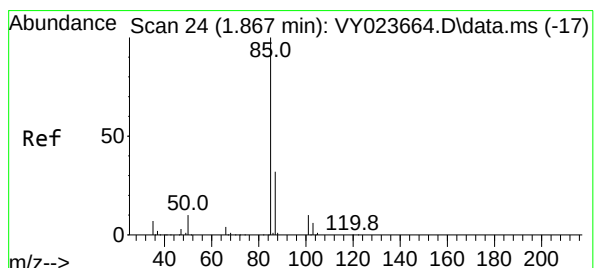
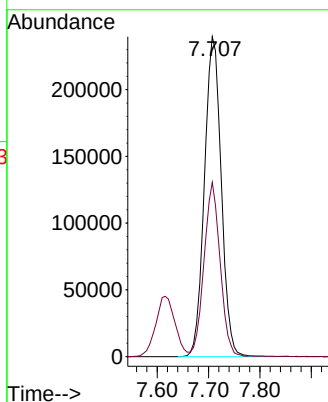
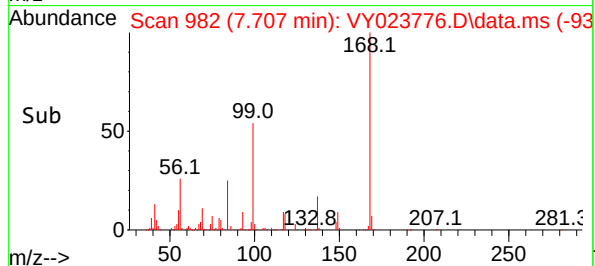
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:168 Resp: 545029
Ion Ratio Lower Upper
168 100
99 54.4 41.0 61.4

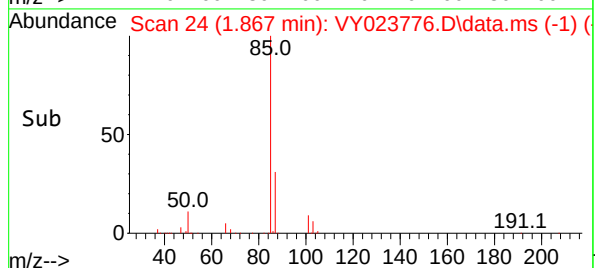
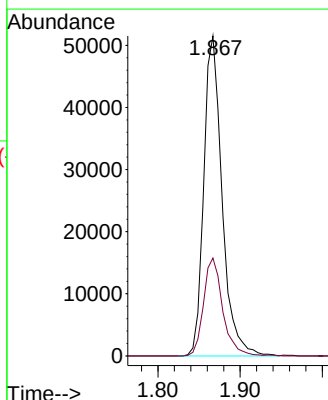
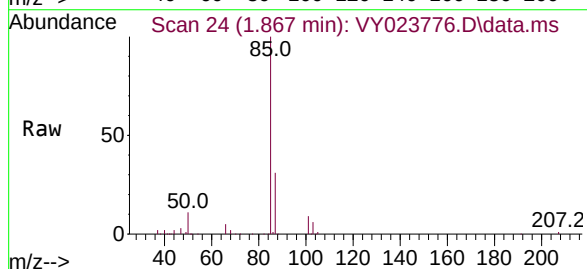
Manual Integrations
APPROVED

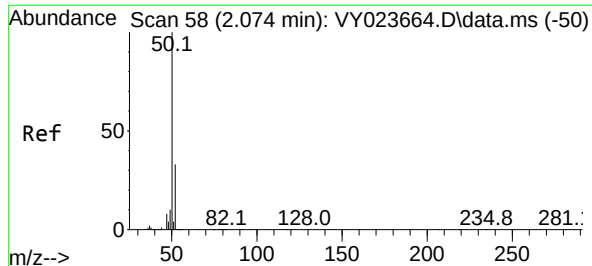
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 22.247 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

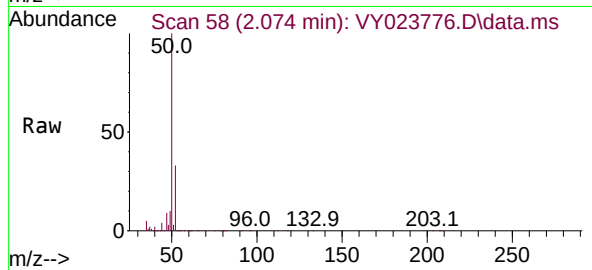
Tgt Ion: 85 Resp: 79594
Ion Ratio Lower Upper
85 100
87 30.6 16.2 48.6





#3
Chloromethane
Concen: 21.228 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

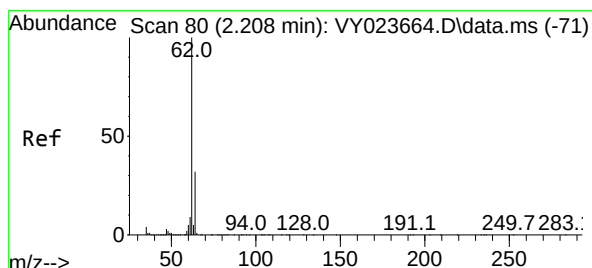
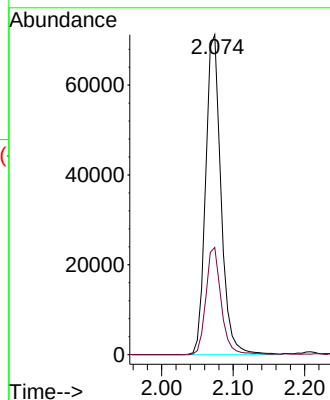
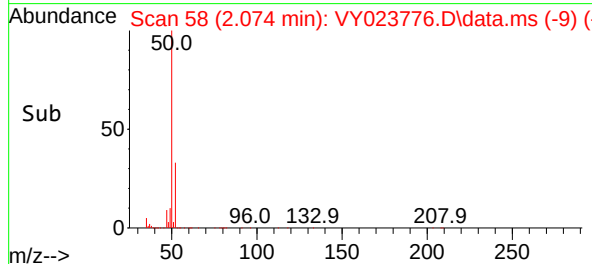
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



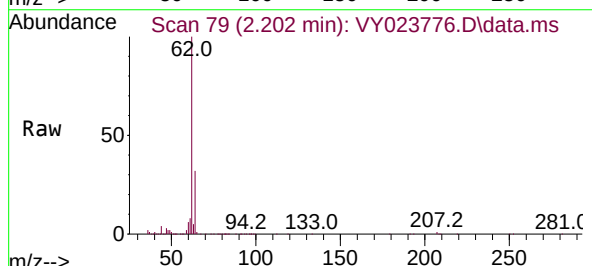
Tgt Ion: 50 Resp: 106278
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7

Manual Integrations
APPROVED

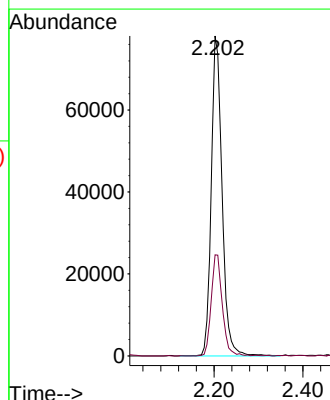
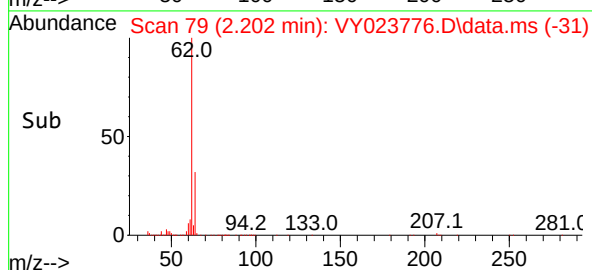
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

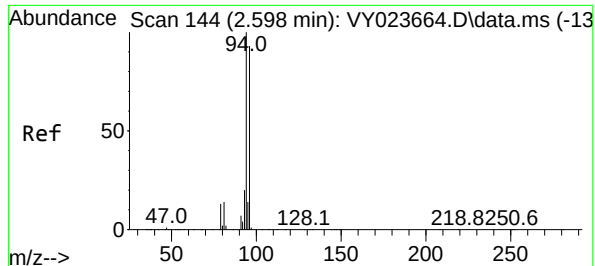


#4
Vinyl Chloride
Concen: 20.161 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46



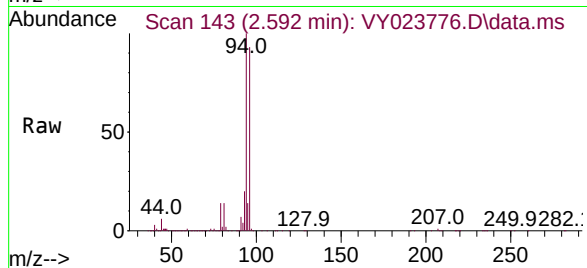
Tgt Ion: 62 Resp: 131346
Ion Ratio Lower Upper
62 100
64 31.5 25.7 38.5





#5
Bromomethane
Concen: 19.977 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

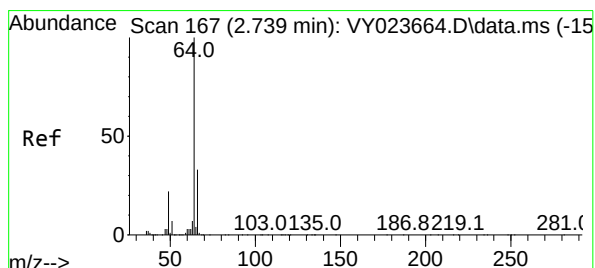
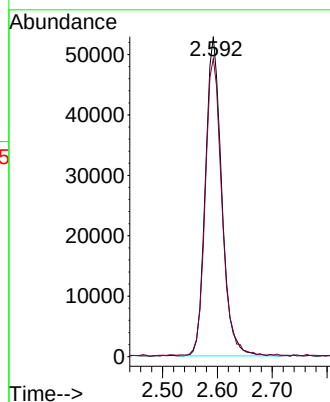
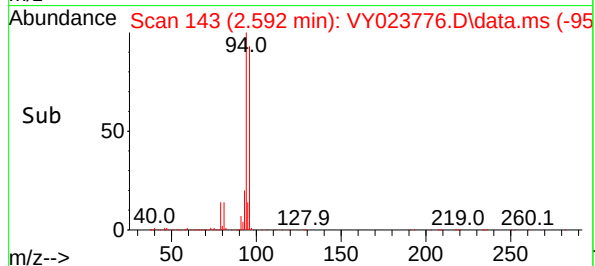
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



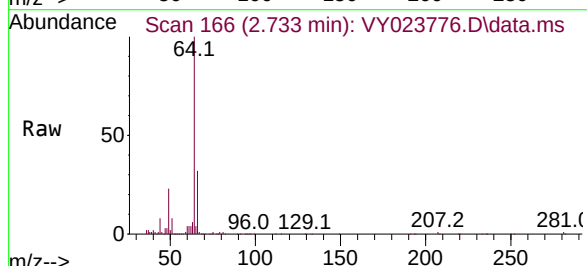
Tgt Ion: 94 Resp: 109472
Ion Ratio Lower Upper
94 100
96 92.9 74.4 111.6

Manual Integrations
APPROVED

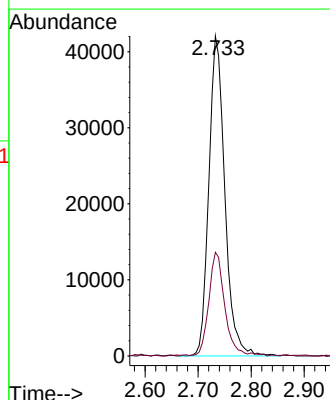
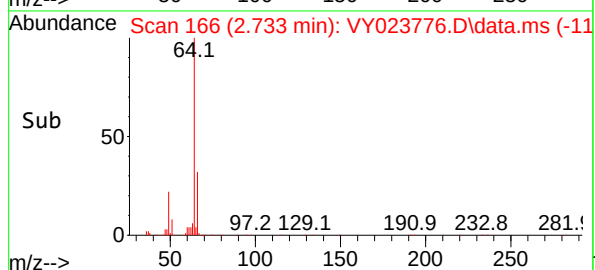
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

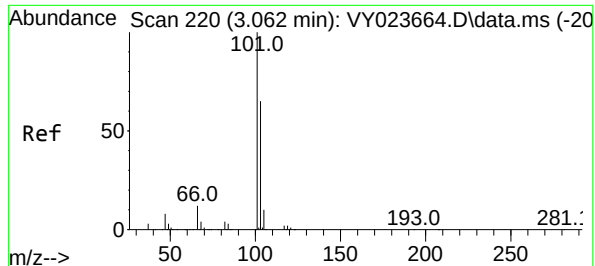


#6
Chloroethane
Concen: 19.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46



Tgt Ion: 64 Resp: 88056
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





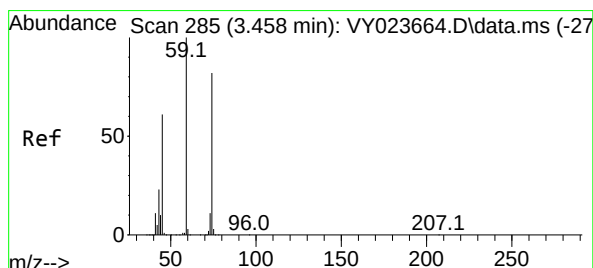
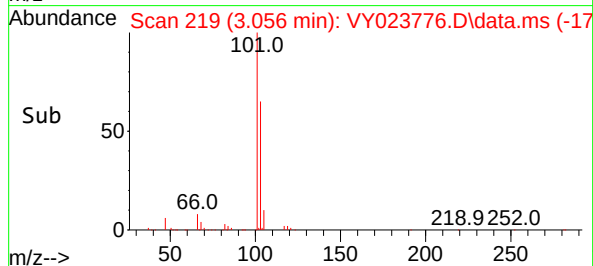
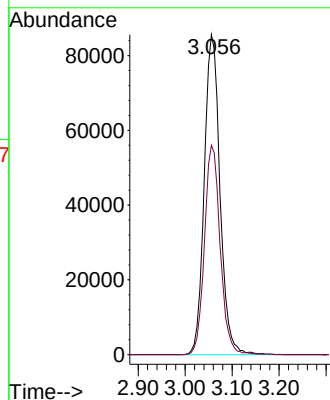
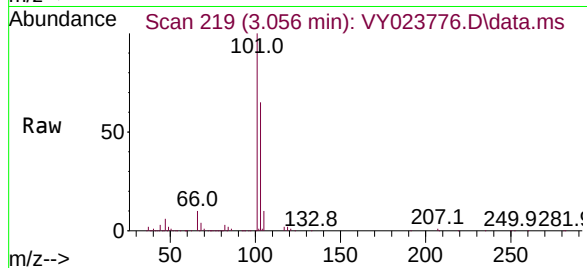
#7
Trichlorofluoromethane
Concen: 21.733 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion:101 Resp: 19940
Ion Ratio Lower Upper
101 100
103 65.4 52.1 78.1

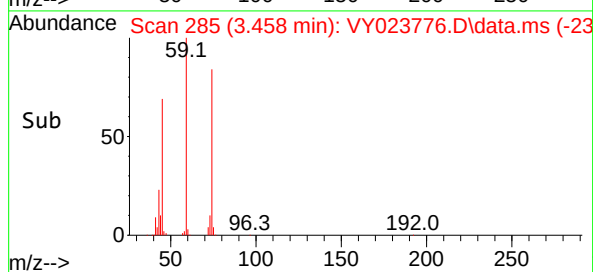
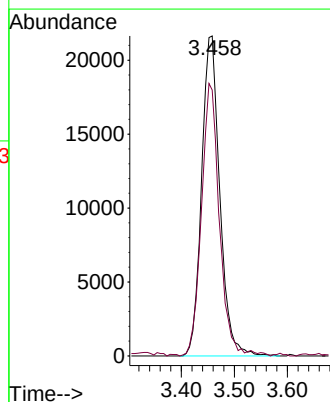
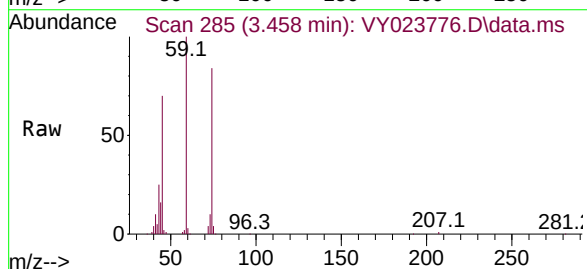
Manual Integrations
APPROVED

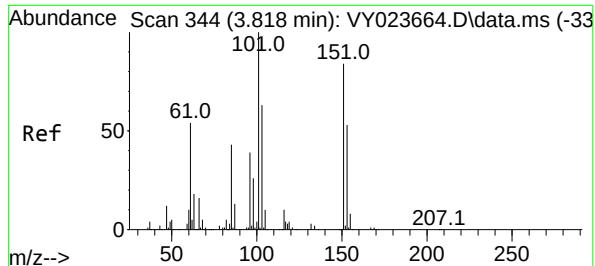
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#8
Diethyl Ether
Concen: 20.912 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

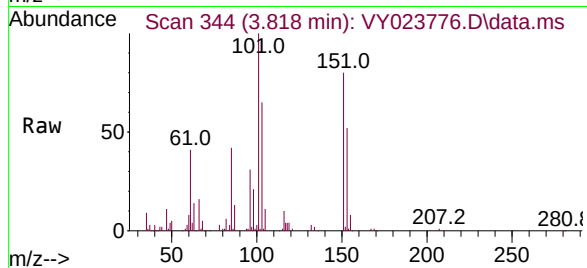
Tgt Ion: 74 Resp: 51454
Ion Ratio Lower Upper
74 100
45 83.3 40.6 121.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.671 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

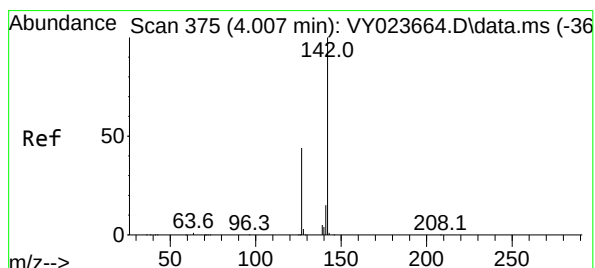
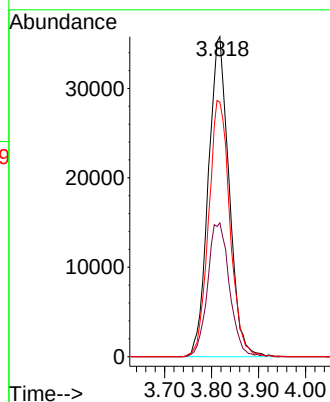
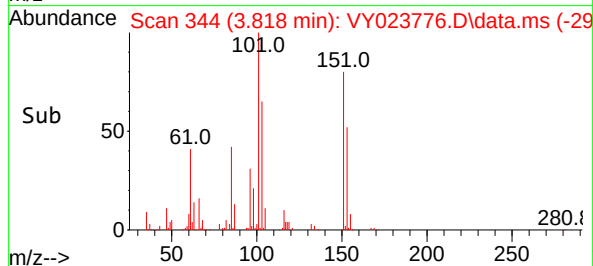
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:101 Resp: 109549
Ion Ratio Lower Upper
101 100
85 44.2 34.4 51.6
151 82.2 65.6 98.4

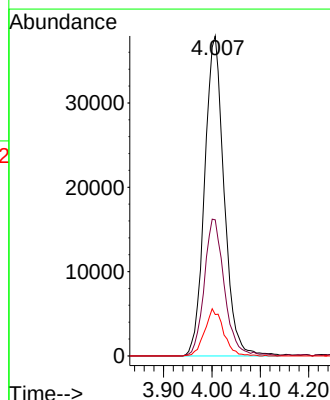
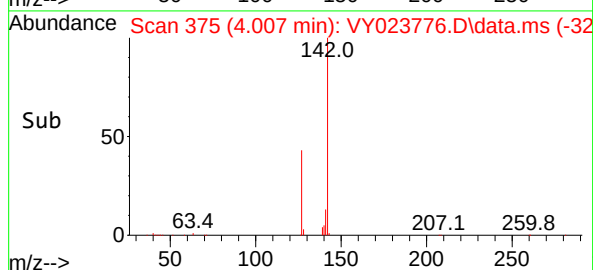
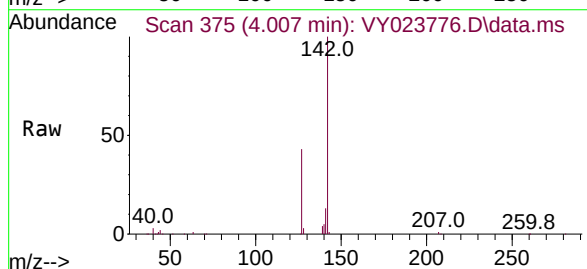
Manual Integrations
APPROVED

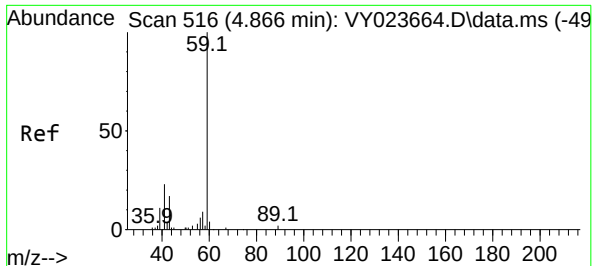
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 17.780 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion:142 Resp: 106137
Ion Ratio Lower Upper
142 100
127 44.3 34.6 51.8
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 154.737 ug/l

RT: 4.842 min Scan# 516

Delta R.T. -0.024 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 59 Resp: 4638

Ion Ratio Lower Upper

59 100

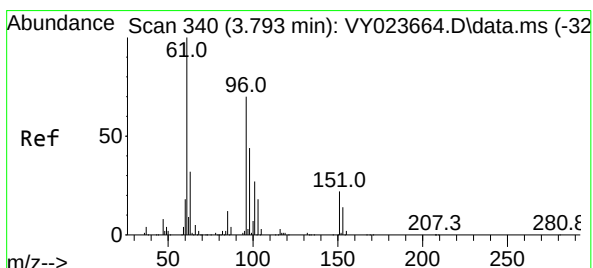
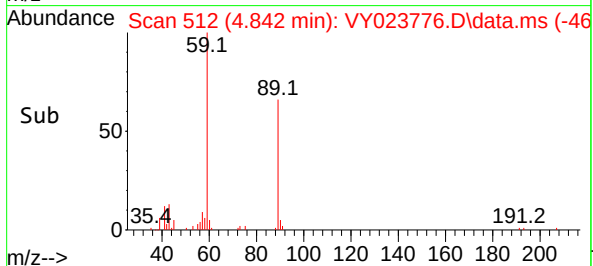
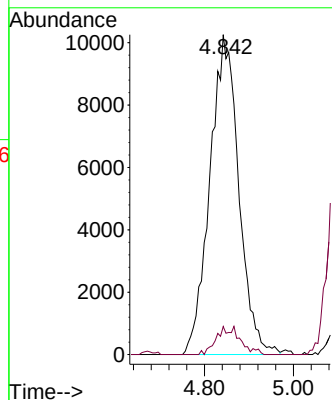
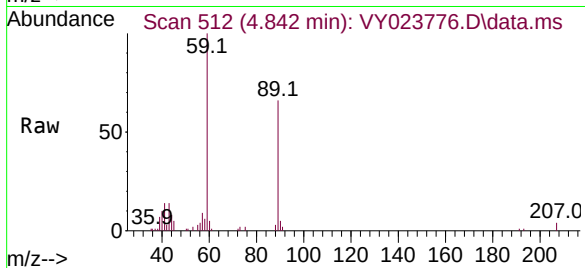
57 4.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#12

1,1-Dichloroethene

Concen: 21.469 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

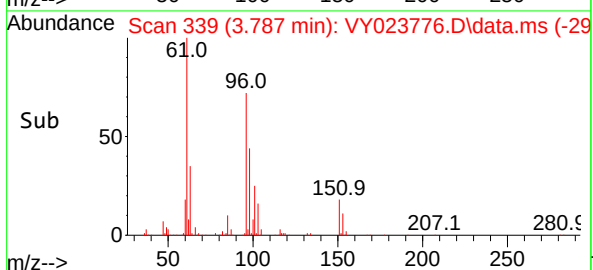
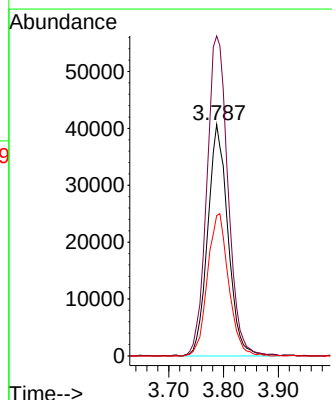
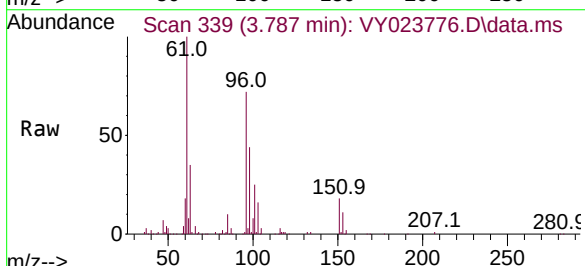
Tgt Ion: 96 Resp: 104547

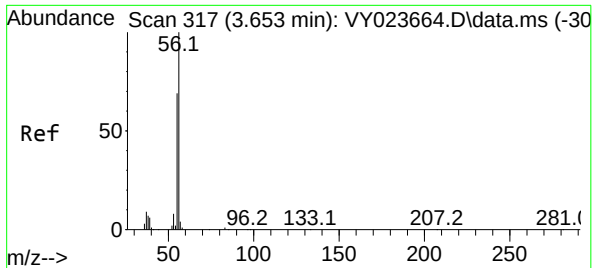
Ion Ratio Lower Upper

96 100

61 138.3 114.0 171.0

98 60.7 50.2 75.2





#13

Acrolein

Concen: 84.498 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 56 Resp: 32558

Ion Ratio Lower Upper

56 100

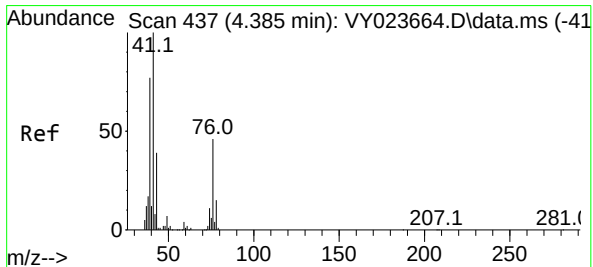
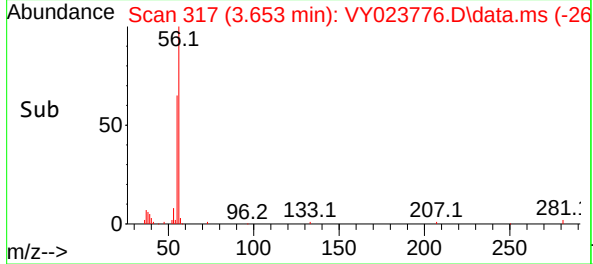
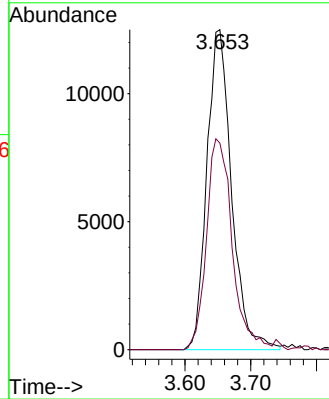
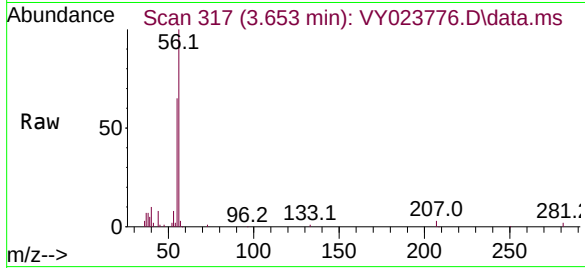
55 68.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#14

Allyl chloride

Concen: 21.804 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

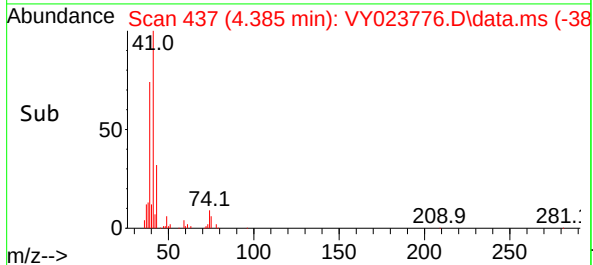
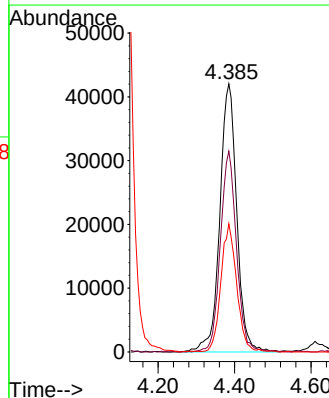
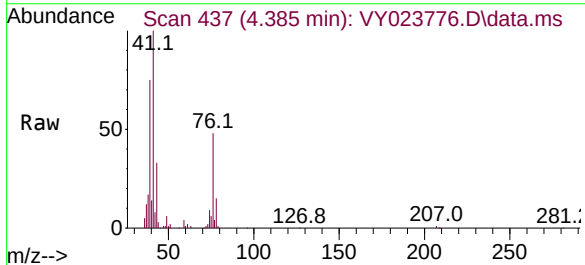
Tgt Ion: 41 Resp: 129235

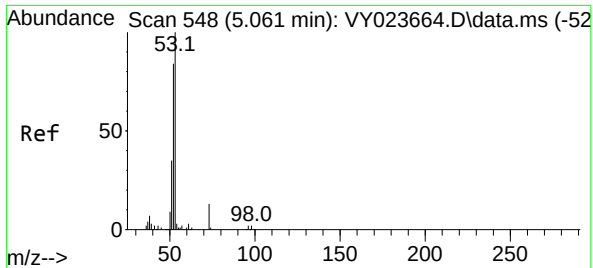
Ion Ratio Lower Upper

41 100

39 71.3 60.4 90.6

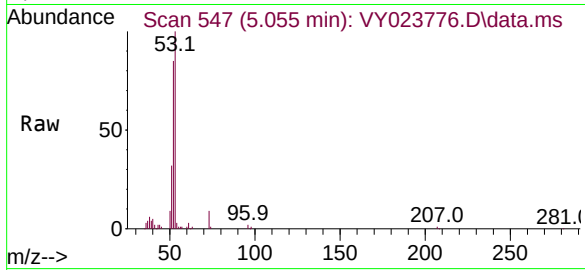
76 44.0 38.0 57.0





#15
Acrylonitrile
Concen: 106.484 ug/l
RT: 5.055 min Scan# 548
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

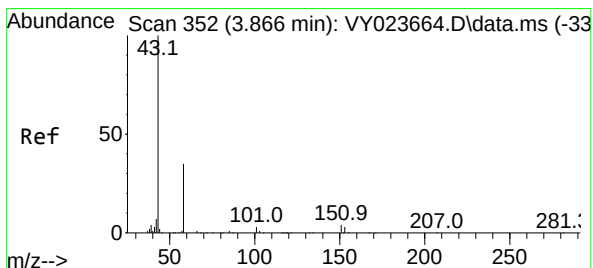
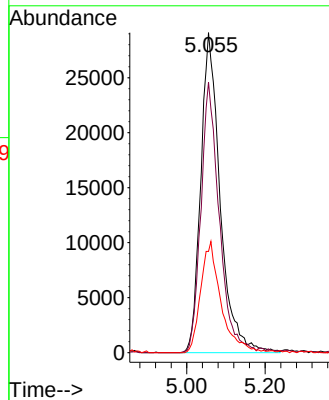
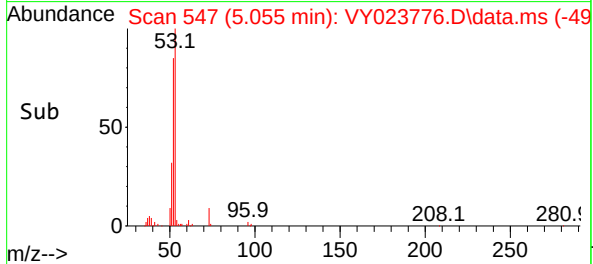
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



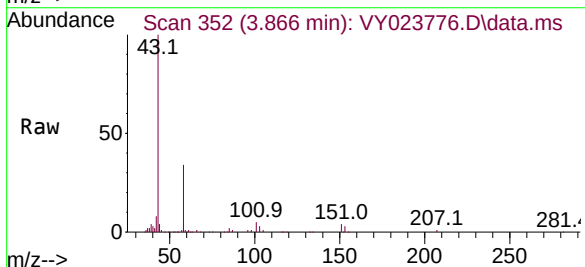
Tgt Ion: 53 Resp: 100126
Ion Ratio Lower Upper
53 100
52 79.9 64.9 97.3
51 36.3 29.4 44.0

Manual Integrations
APPROVED

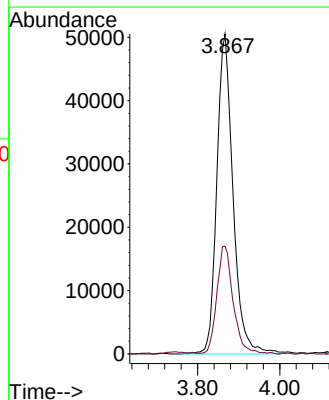
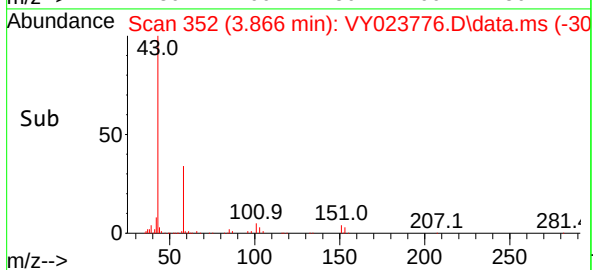
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

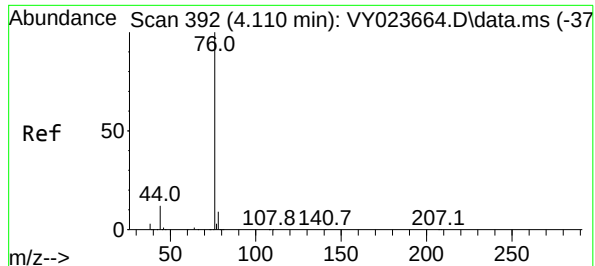


#16
Acetone
Concen: 119.550 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46



Tgt Ion: 43 Resp: 138157
Ion Ratio Lower Upper
43 100
58 33.6 28.2 42.4





#17

Carbon Disulfide

Concen: 21.422 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 76 Resp: 320176

Ion Ratio Lower Upper

76 100

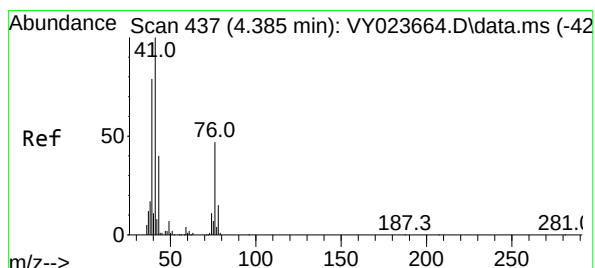
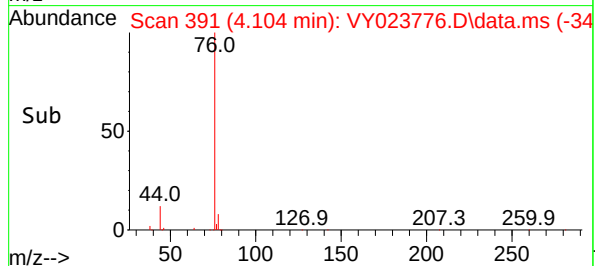
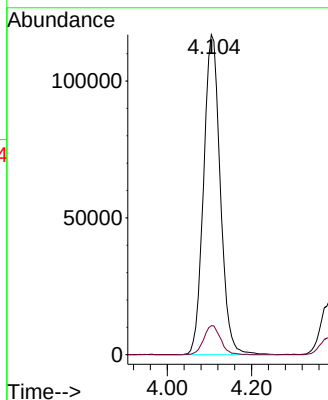
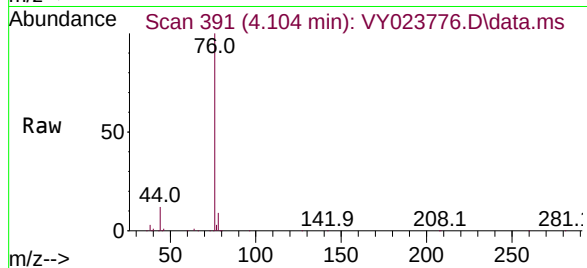
78 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#18

Methyl Acetate

Concen: 16.495 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023776.D

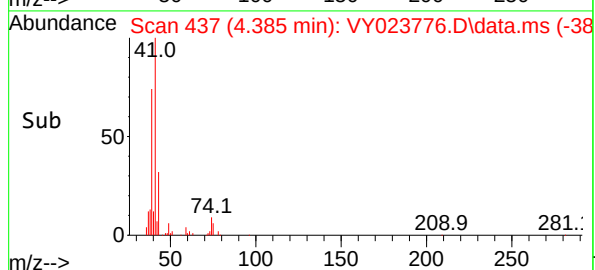
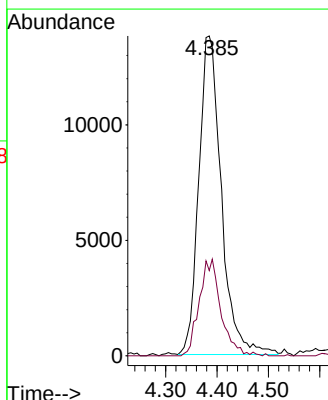
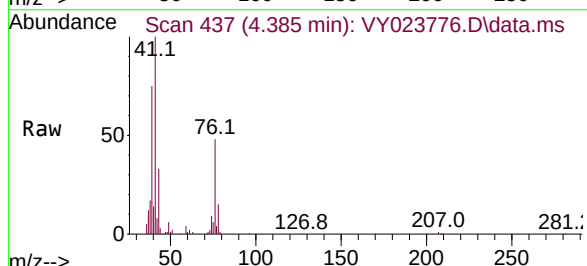
Acq: 13 Nov 2025 10:46

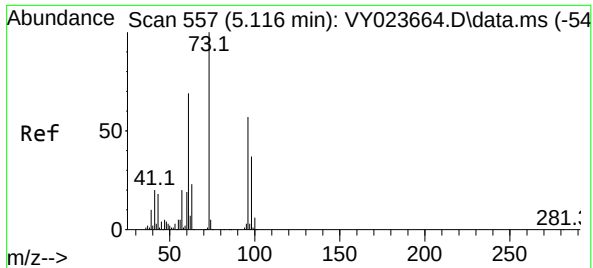
Tgt Ion: 43 Resp: 42045

Ion Ratio Lower Upper

43 100

74 29.0 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 20.120 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 73 Resp: 227189

Ion Ratio Lower Upper

73 100

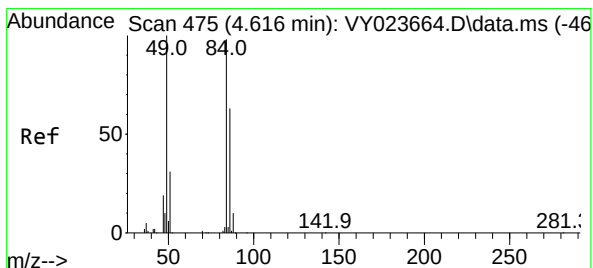
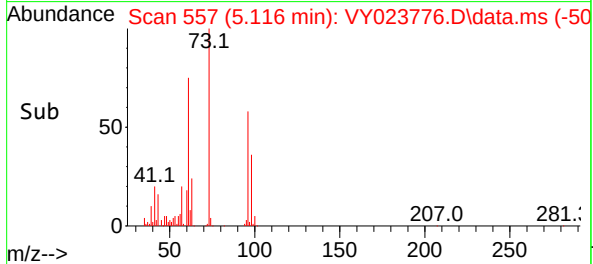
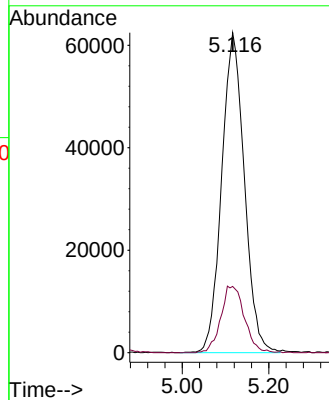
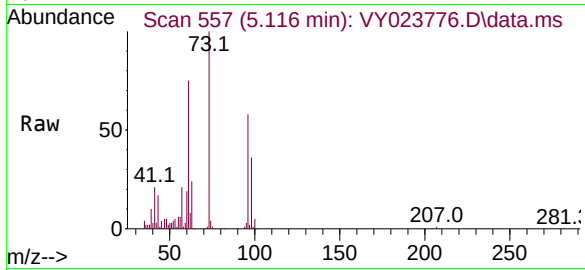
57 20.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#20

Methylene Chloride

Concen: 22.281 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Tgt Ion: 84 Resp: 124301

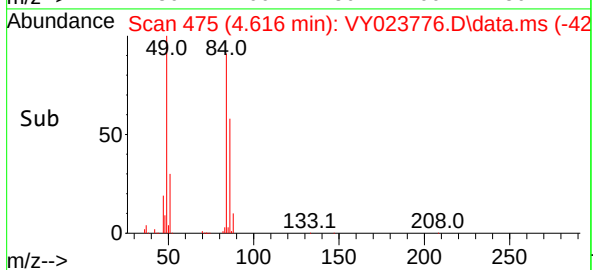
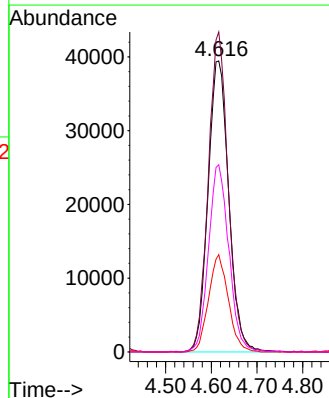
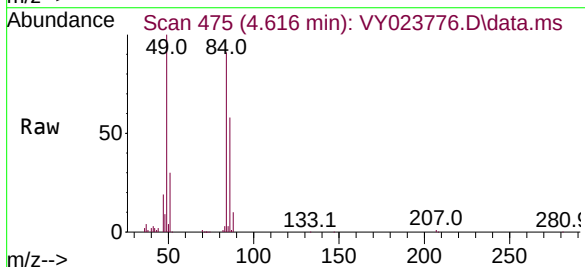
Ion Ratio Lower Upper

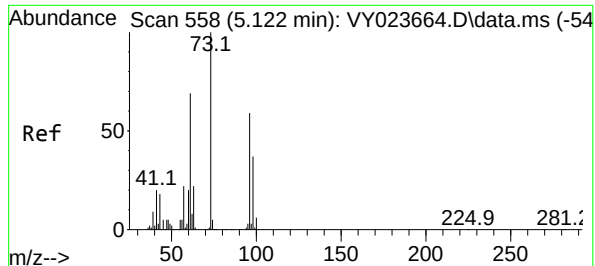
84 100

49 110.0 81.5 122.3

51 33.4 25.5 38.3

86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.944 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 96 Resp: 114996

Ion Ratio Lower Upper

96 100

61 128.3 93.3 139.9

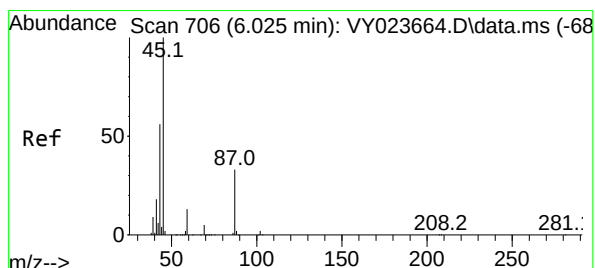
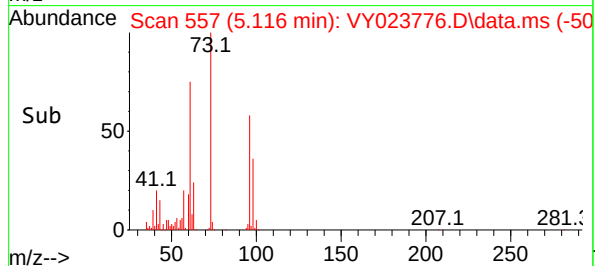
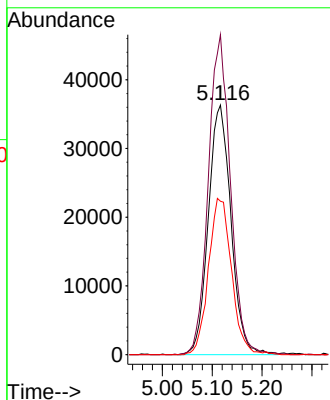
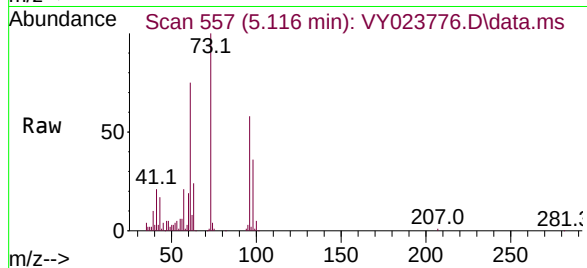
98 61.5 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#22

Diisopropyl ether

Concen: 22.185 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Tgt Ion: 45 Resp: 293002

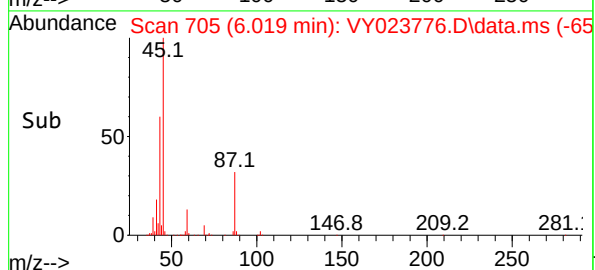
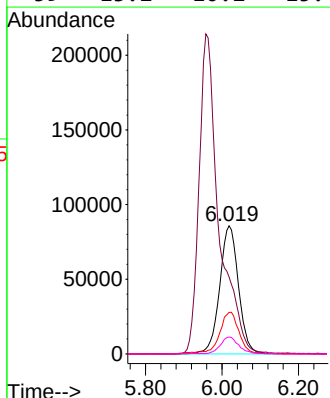
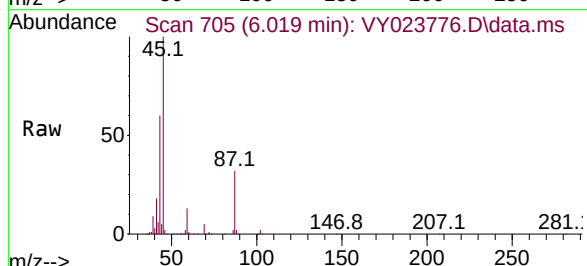
Ion Ratio Lower Upper

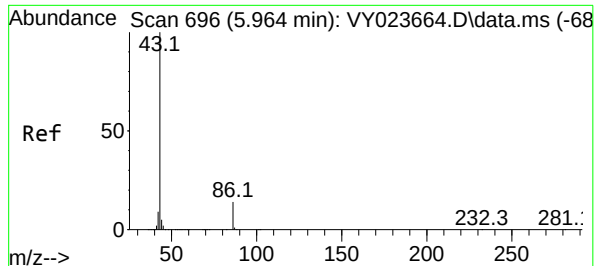
45 100

43 60.0 44.7 67.1

87 32.4 27.2 40.8

59 13.2 10.2 15.4





#23

Vinyl Acetate

Concen: 109.596 ug/l

RT: 5.958 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 772434

Ion Ratio Lower Upper

43

100

86

12.3

10.9

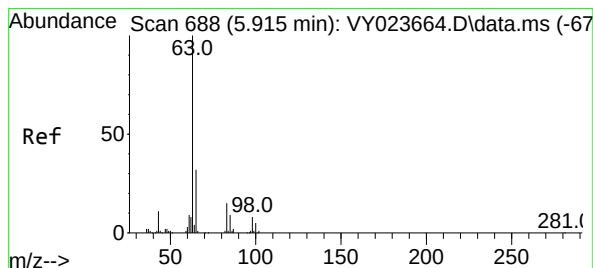
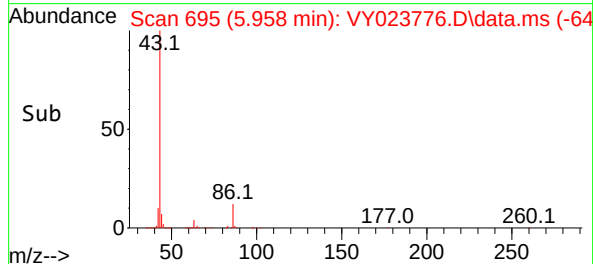
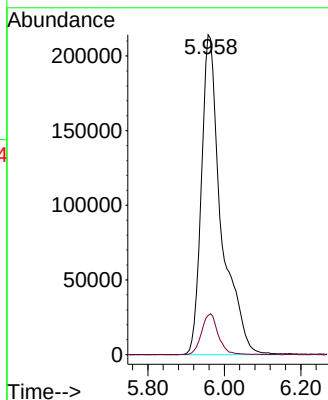
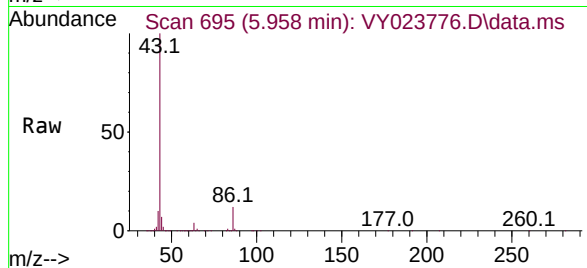
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#24

1,1-Dichloroethane

Concen: 21.582 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Tgt Ion: 63 Resp: 189891

Ion Ratio Lower Upper

63

100

98

7.3

4.0

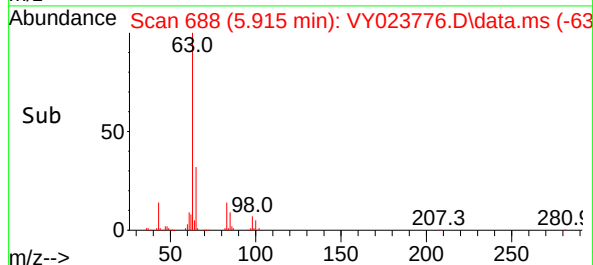
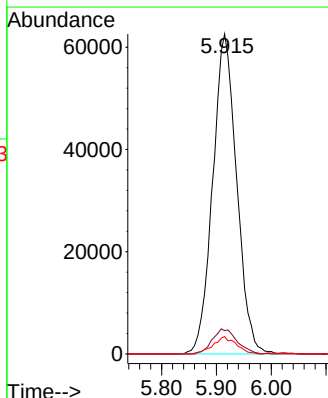
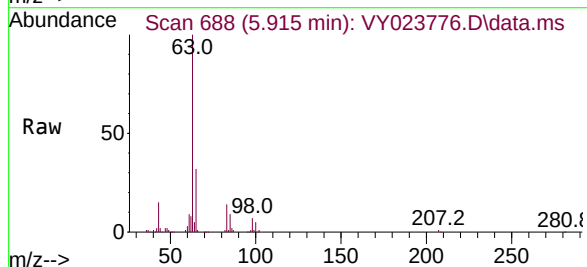
11.9

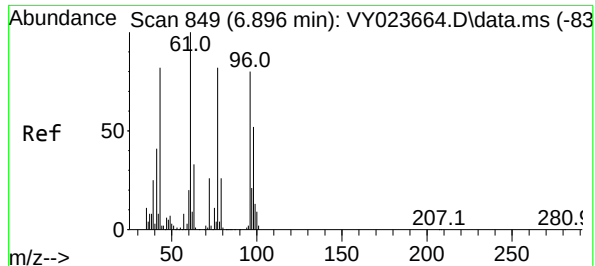
100

5.4

2.6

7.8





#25

2-Butanone

Concen: 112.546 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 150376

Ion Ratio Lower Upper

43 100

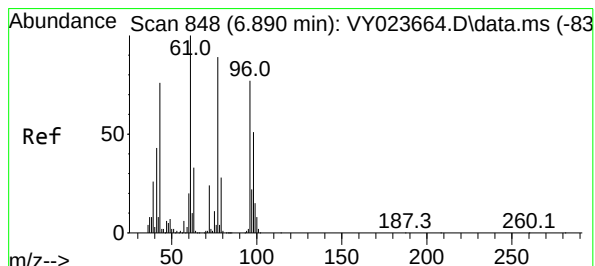
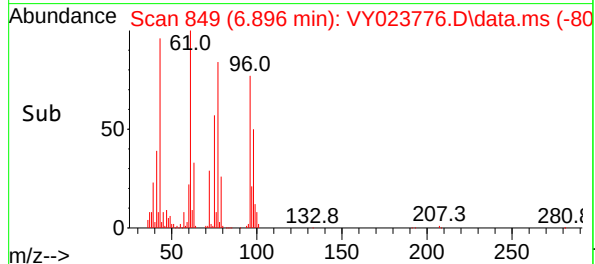
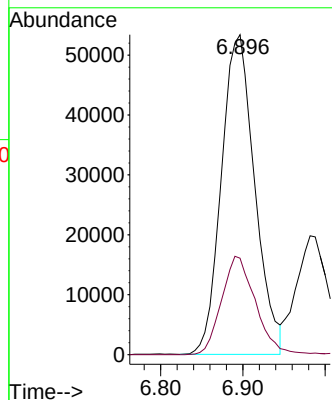
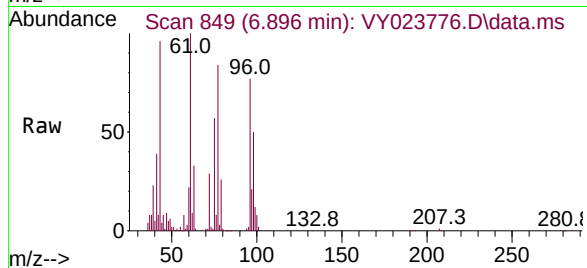
72 30.2 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#26

2,2-Dichloropropane

Concen: 21.945 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023776.D

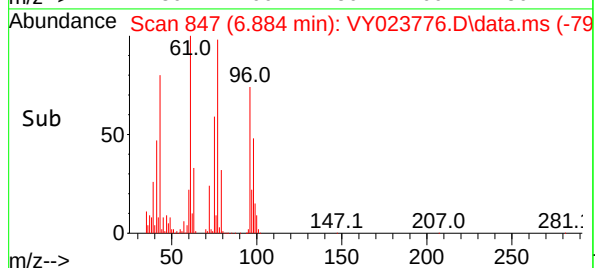
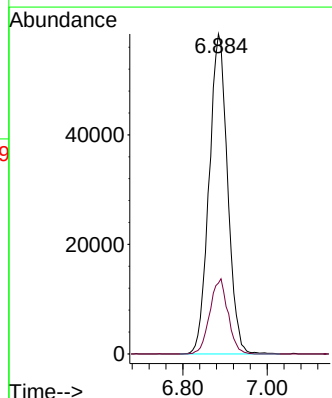
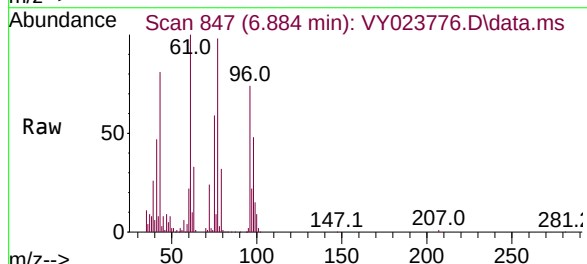
Acq: 13 Nov 2025 10:46

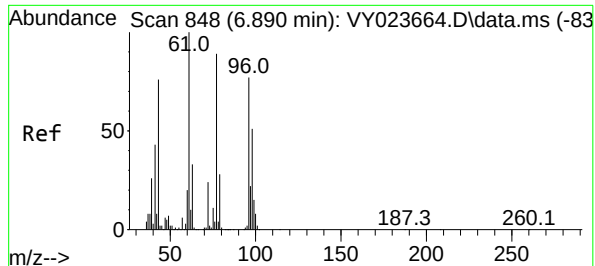
Tgt Ion: 77 Resp: 177614

Ion Ratio Lower Upper

77 100

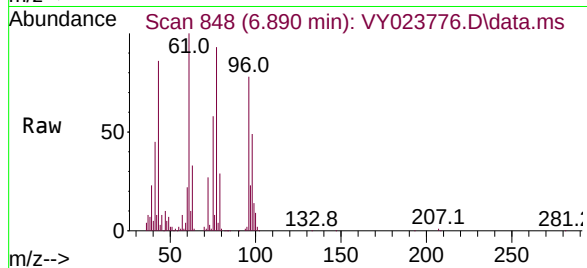
97 23.0 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 20.644 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY023776.D
 Acq: 13 Nov 2025 10:46

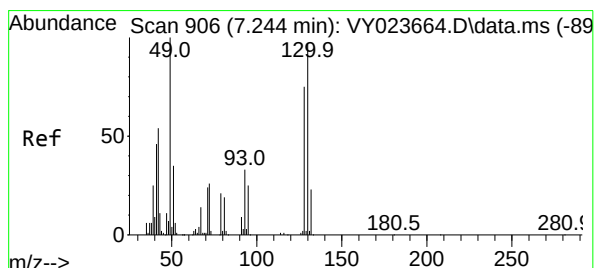
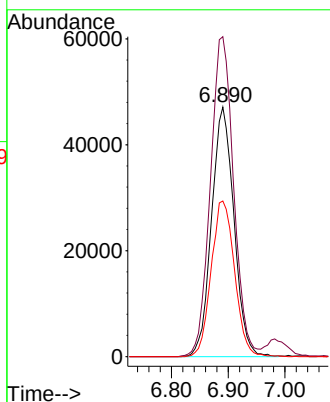
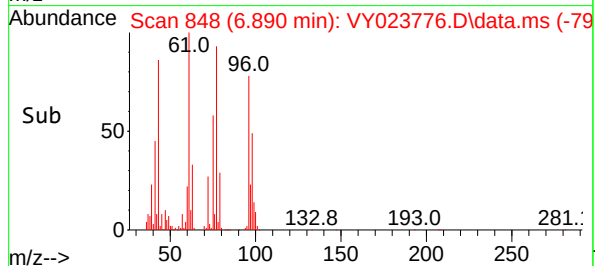
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01



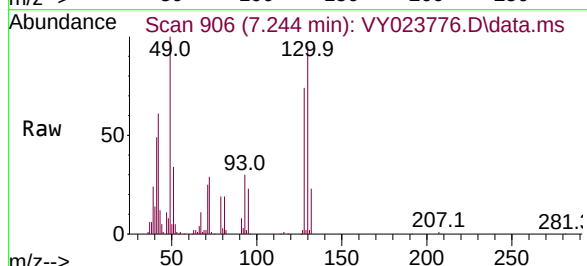
Tgt Ion: 96 Resp: 129453
 Ion Ratio Lower Upper
 96 100
 61 133.0 0.0 255.0
 98 65.0 0.0 129.8

Manual Integrations
 APPROVED

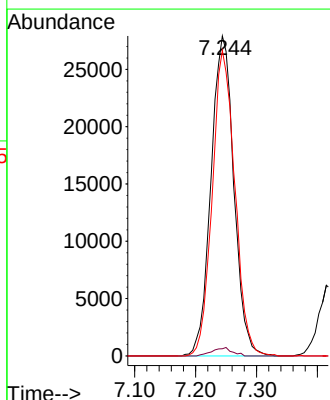
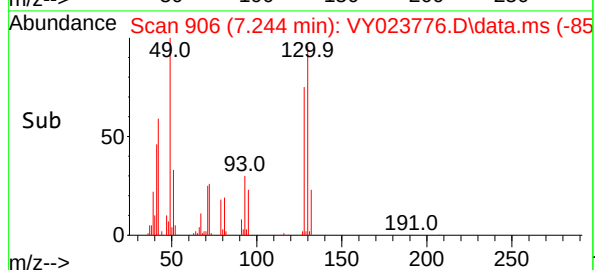
Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

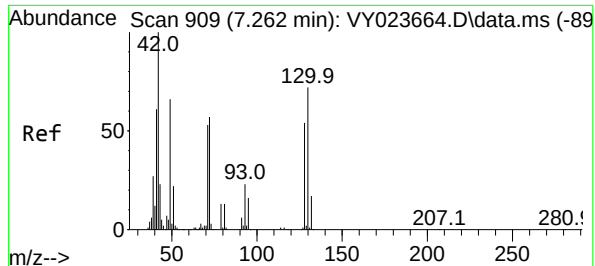


#28
 Bromochloromethane
 Concen: 21.597 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023776.D
 Acq: 13 Nov 2025 10:46



Tgt Ion: 49 Resp: 72758
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.0
 130 94.2 80.1 120.1





#29

Tetrahydrofuran

Concen: 102.773 ug/l

RT: 7.256 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 42 Resp: 7313

Ion Ratio Lower Upper

42 100

72 50.4 43.4 65.2

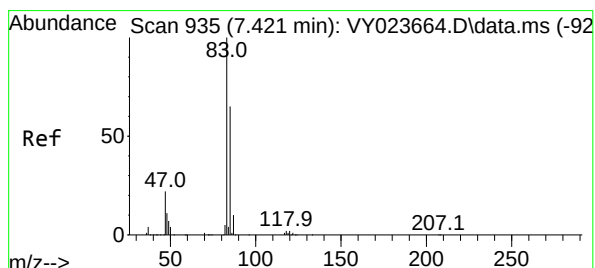
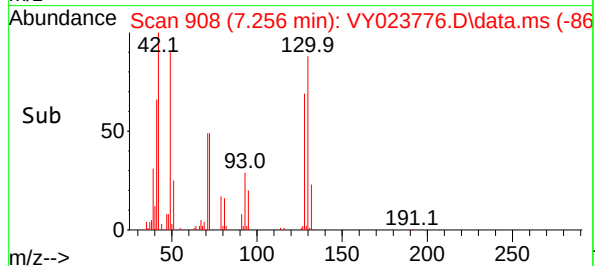
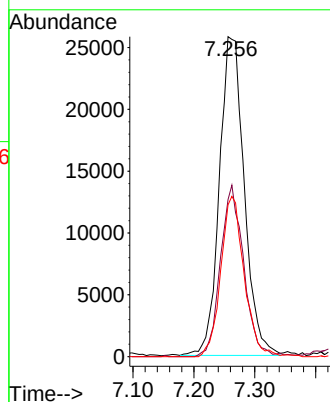
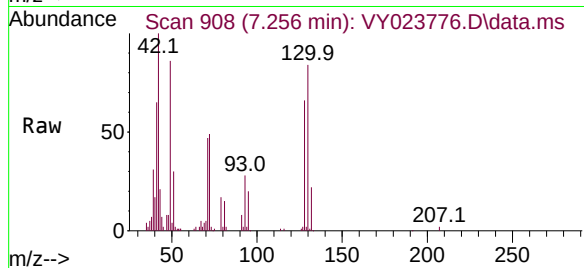
71 47.2 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 21.336 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023776.D

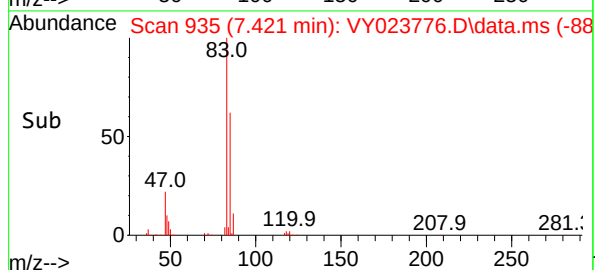
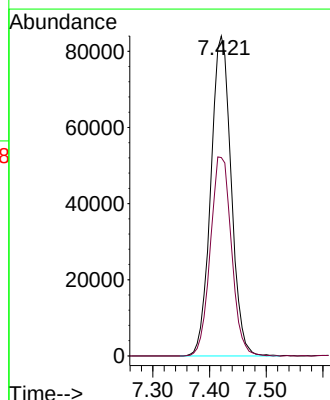
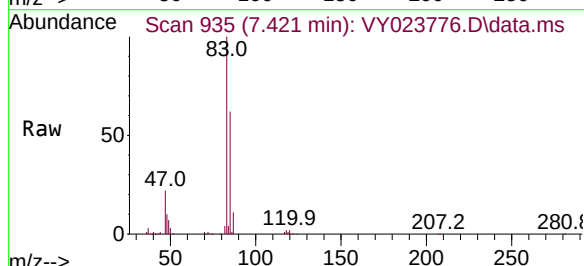
Acq: 13 Nov 2025 10:46

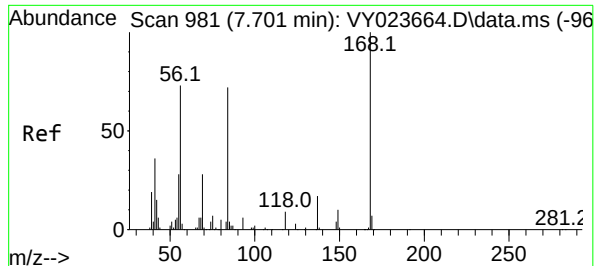
Tgt Ion: 83 Resp: 209452

Ion Ratio Lower Upper

83 100

85 62.0 52.1 78.1





#31

Cyclohexane

Concen: 21.420 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 56 Resp: 164132

Ion Ratio Lower Upper

56 100

69 42.2 30.5 45.7

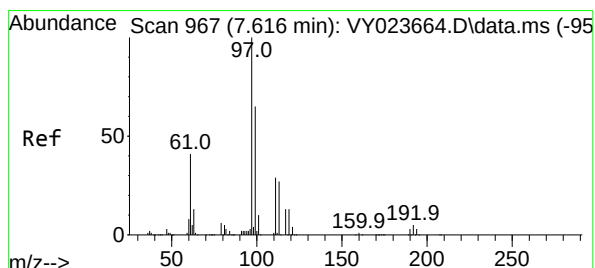
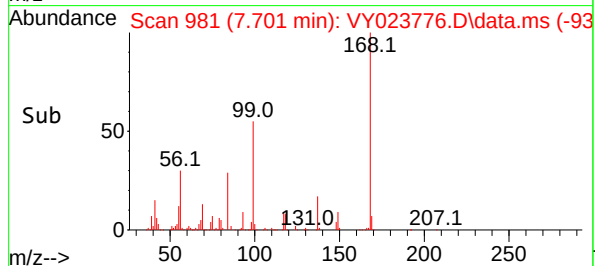
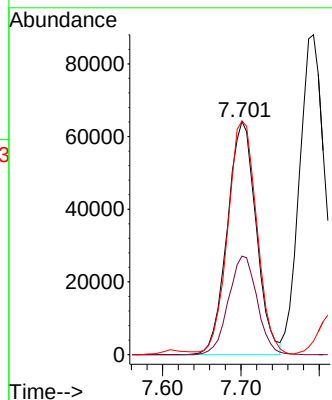
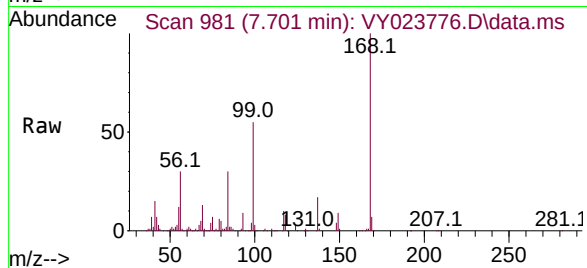
84 98.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#32

1,1,1-Trichloroethane

Concen: 21.315 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

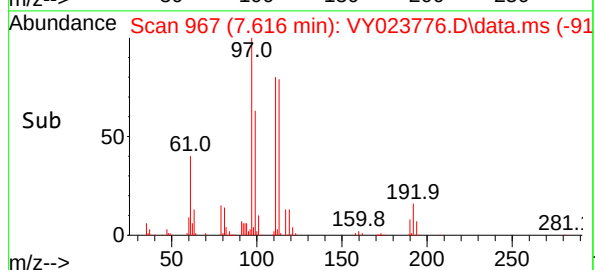
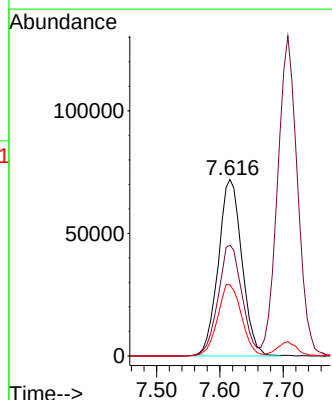
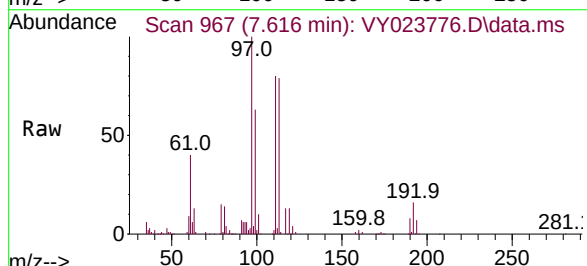
Tgt Ion: 97 Resp: 187015

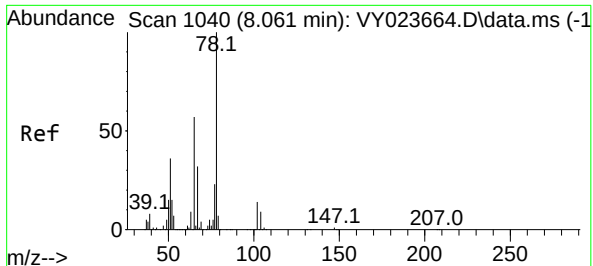
Ion Ratio Lower Upper

97 100

99 63.1 51.5 77.3

61 40.9 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 50.693 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 65 Resp: 23568

Ion Ratio Lower Upper

65 100

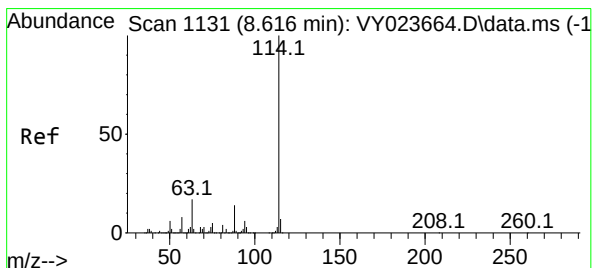
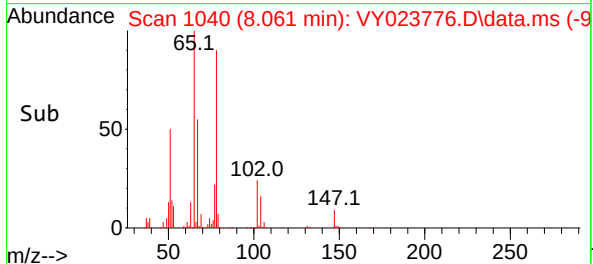
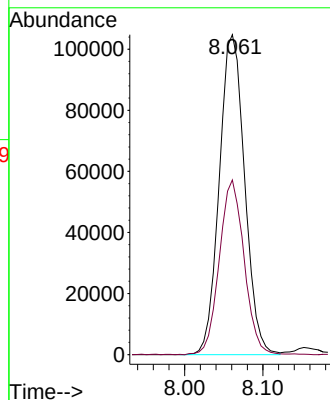
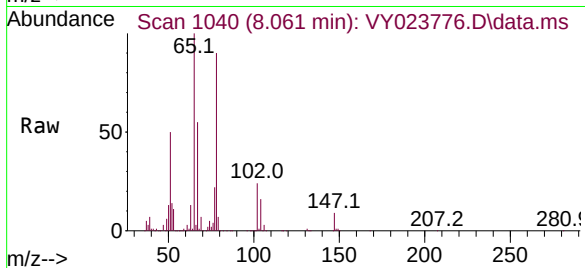
67 53.3 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

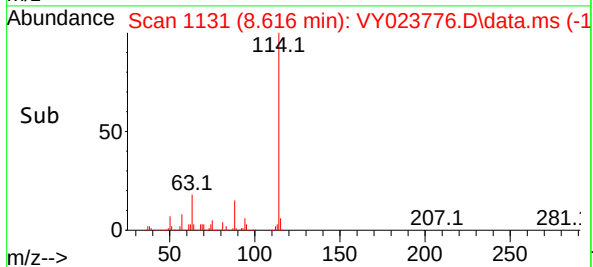
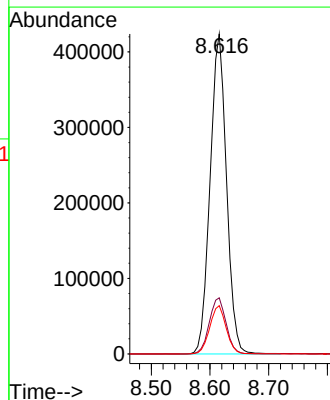
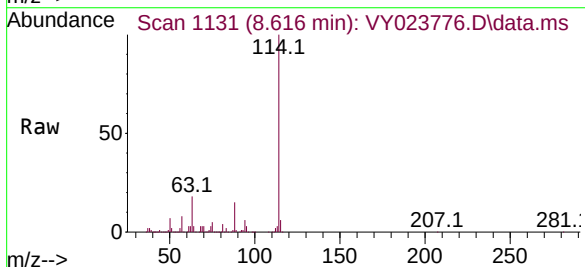
Tgt Ion:114 Resp: 820567

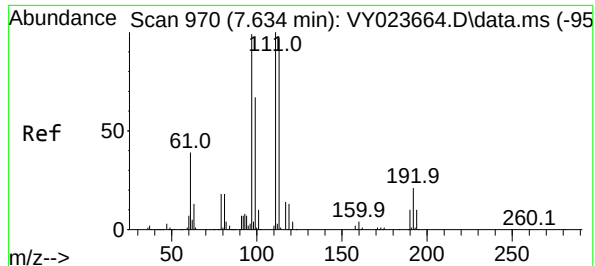
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:113 Resp: 256940

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

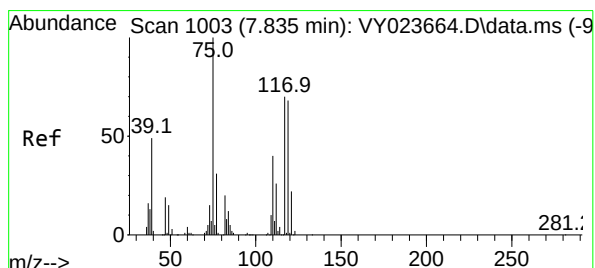
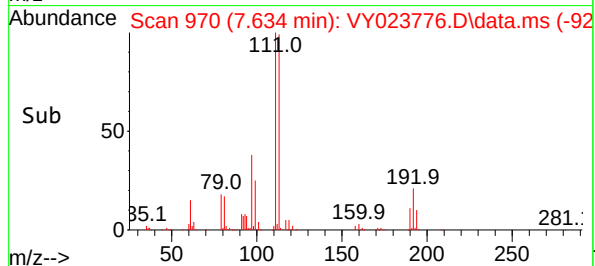
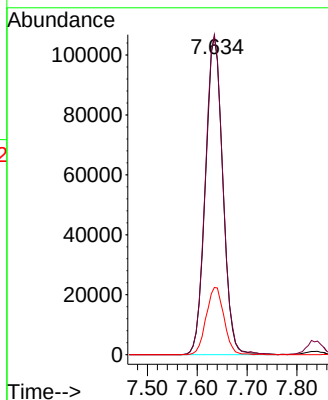
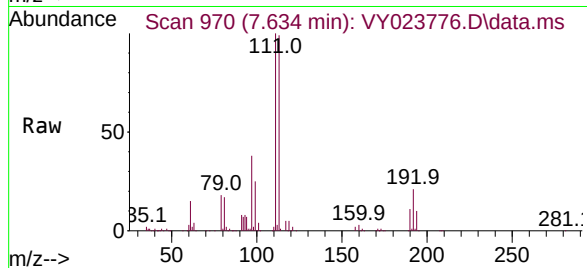
192 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 20.967 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

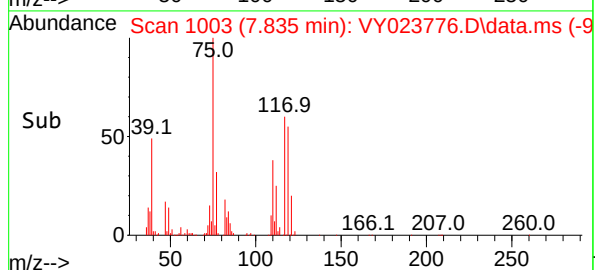
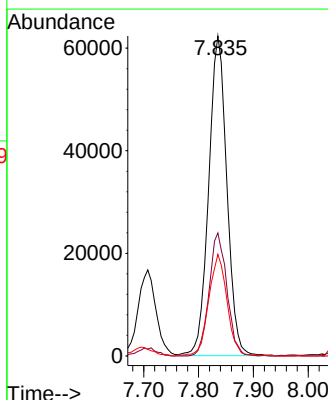
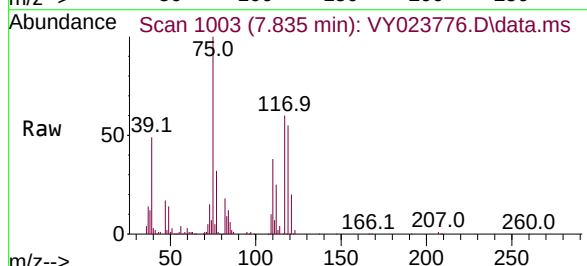
Tgt Ion: 75 Resp: 143675

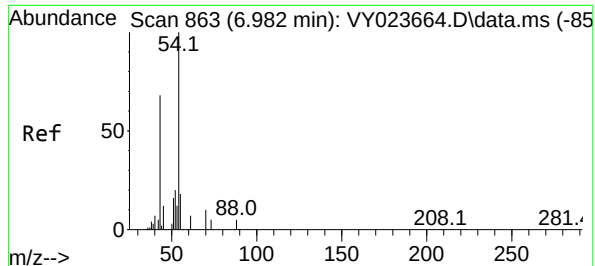
Ion Ratio Lower Upper

75 100

110 37.7 19.7 59.0

77 31.9 25.2 37.8





#37

Ethyl Acetate

Concen: 20.515 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY023776.D

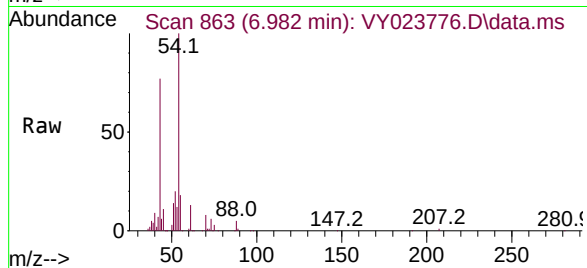
Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01



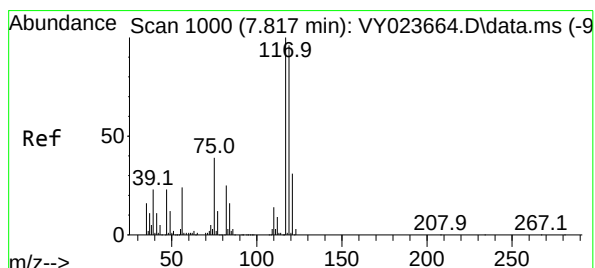
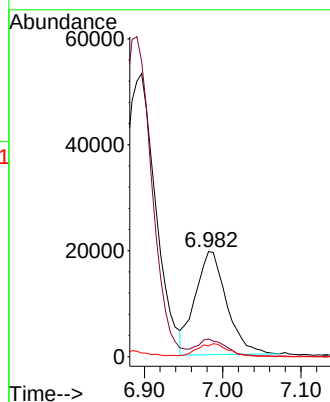
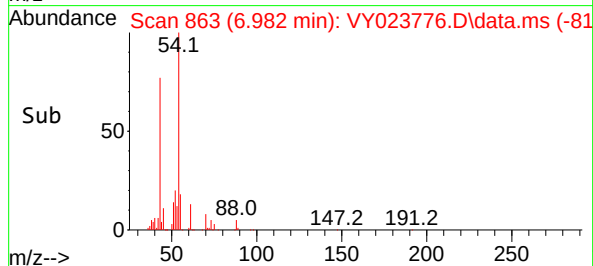
Tgt Ion:	43	Resp:	5442
Ion Ratio	Lower	Upper	
43	100		
61	16.0	12.4	18.6
70	12.5	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

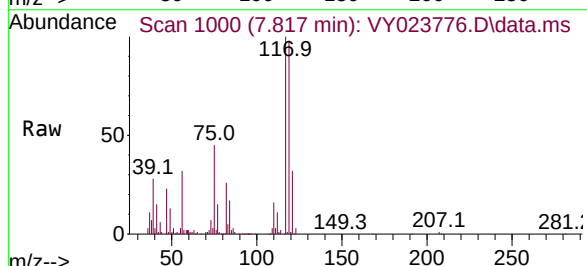
Concen: 20.652 ug/l

RT: 7.817 min Scan# 1000

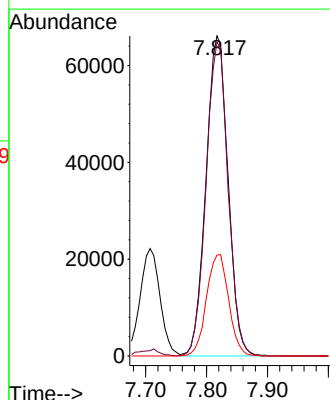
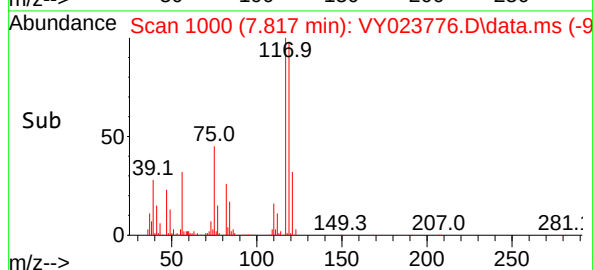
Delta R.T. 0.000 min

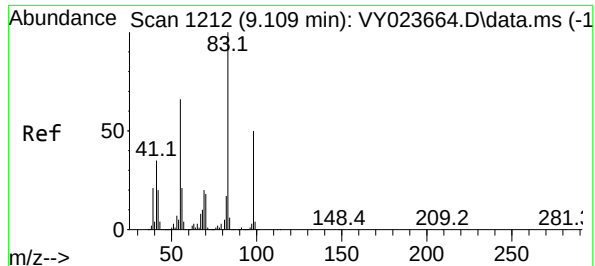
Lab File: VY023776.D

Acq: 13 Nov 2025 10:46



Tgt Ion:	117	Resp:	166738
Ion Ratio	Lower	Upper	
117	100		
119	98.1	76.3	114.5
121	31.5	24.8	37.2





#39

Methylcyclohexane

Concen: 20.169 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 83 Resp: 176582

Ion Ratio Lower Upper

83 100

55 71.0 52.6 78.8

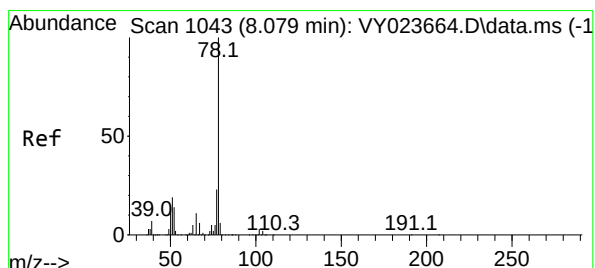
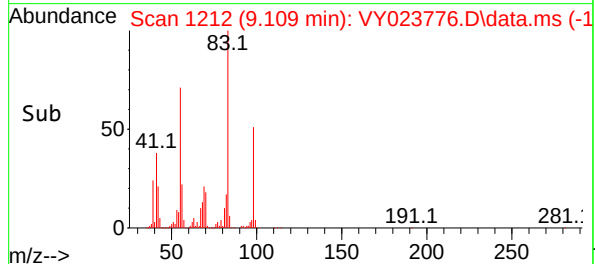
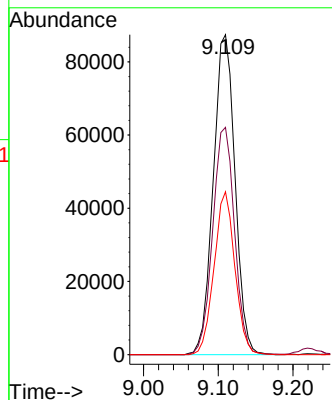
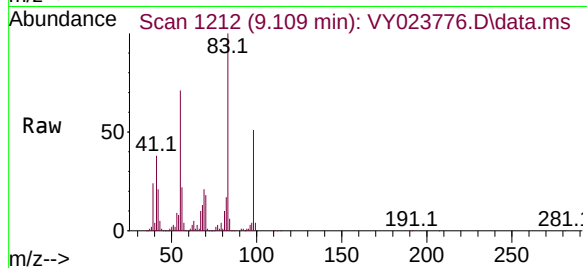
98 50.9 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 21.171 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023776.D

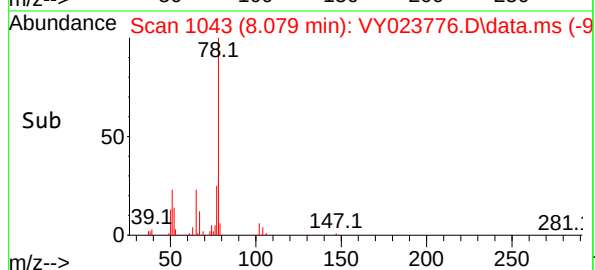
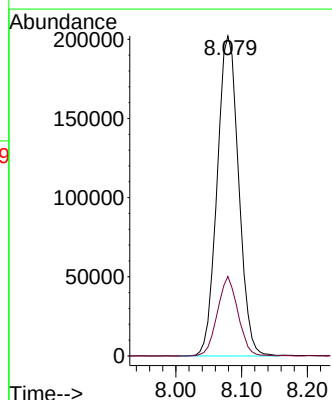
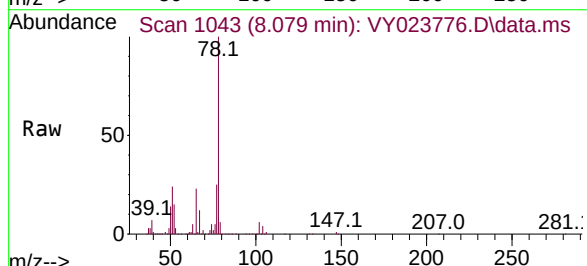
Acq: 13 Nov 2025 10:46

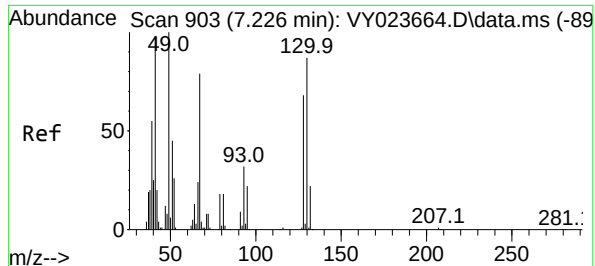
Tgt Ion: 78 Resp: 457268

Ion Ratio Lower Upper

78 100

77 24.8 18.8 28.2





#41

Methacrylonitrile

Concen: 17.766 ug/l

RT: 7.226 min Scan# 903

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 41 Resp: 25725

Ion Ratio Lower Upper

41 100

39 0.0 38.6 57.8

67 97.6 71.3 106.9

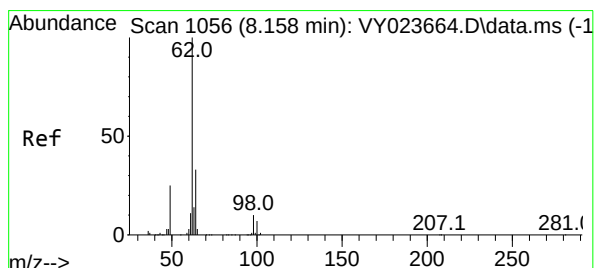
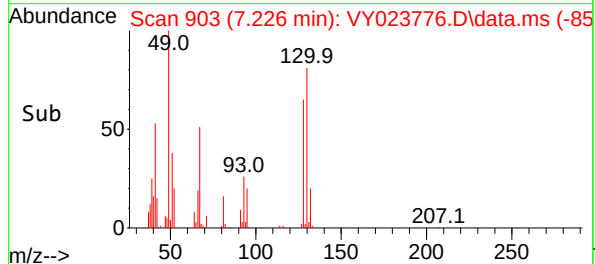
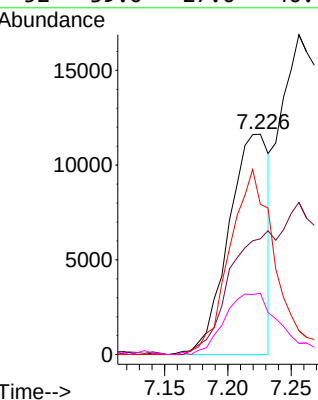
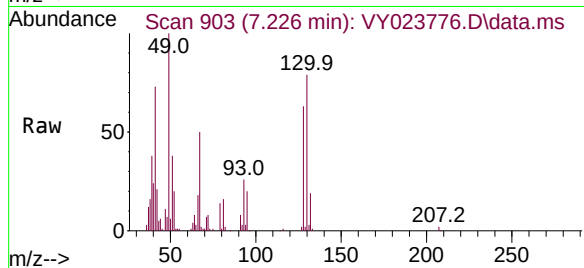
52 39.0 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#42

1,2-Dichloroethane

Concen: 20.739 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY023776.D

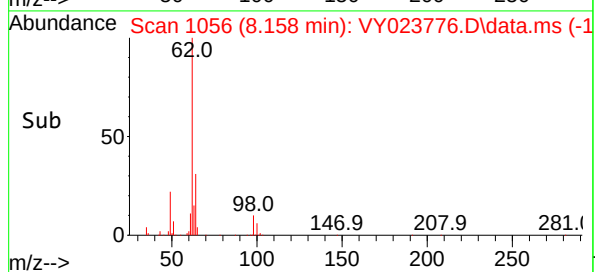
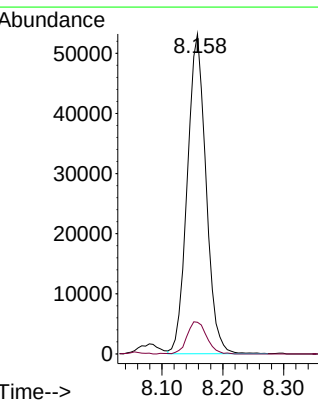
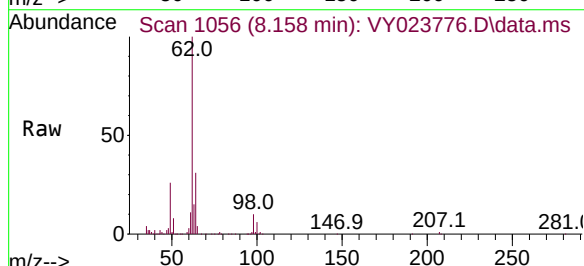
Acq: 13 Nov 2025 10:46

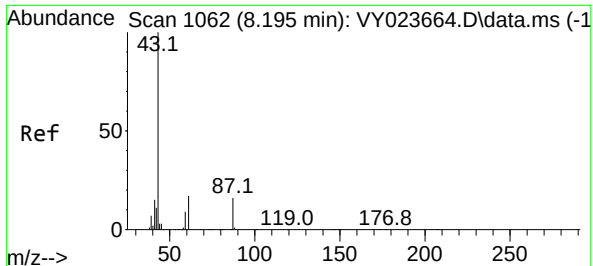
Tgt Ion: 62 Resp: 113325

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.365 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 101503

Ion Ratio Lower Upper

43 100

61 22.1 18.2 27.2

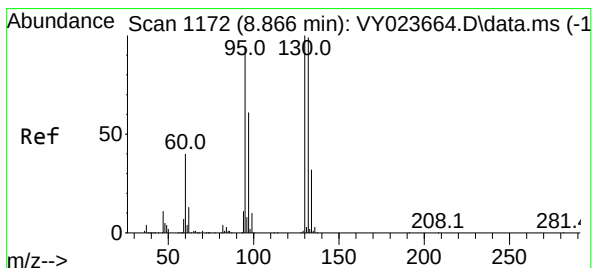
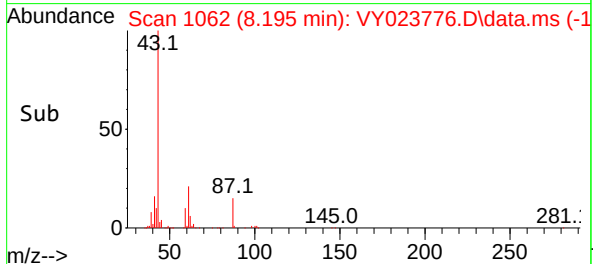
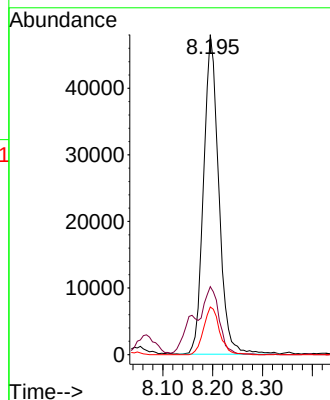
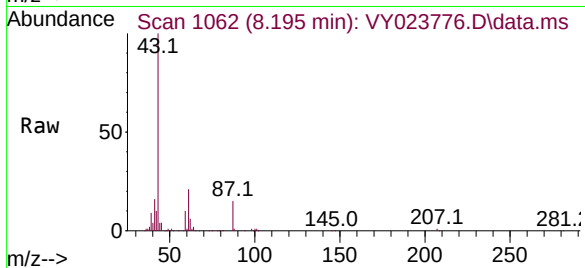
87 15.7 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#44

Trichloroethene

Concen: 20.150 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023776.D

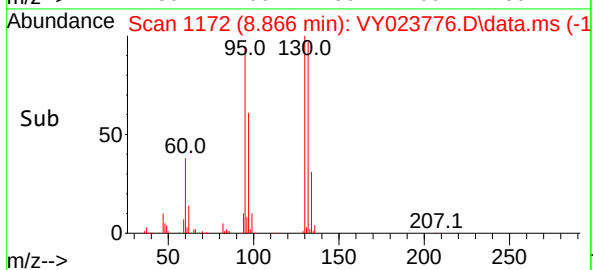
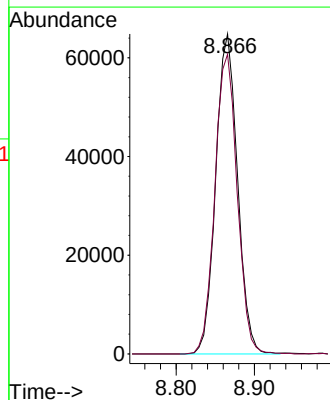
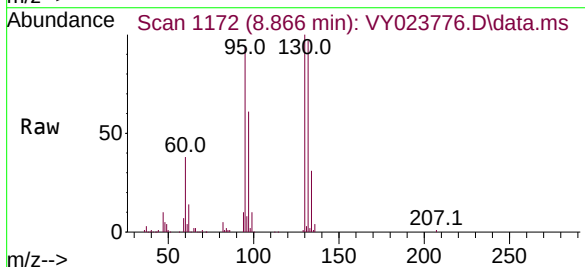
Acq: 13 Nov 2025 10:46

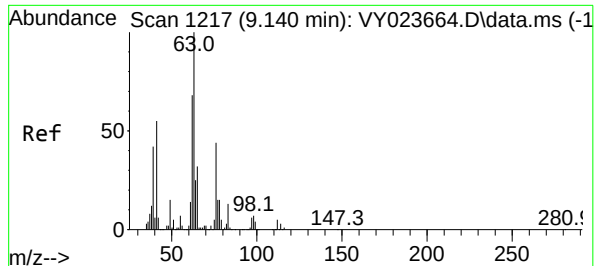
Tgt Ion:130 Resp: 125002

Ion Ratio Lower Upper

130 100

95 93.6 0.0 187.0





#45

1,2-Dichloropropane

Concen: 21.064 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 63 Resp: 100412

Ion Ratio Lower Upper

63 100

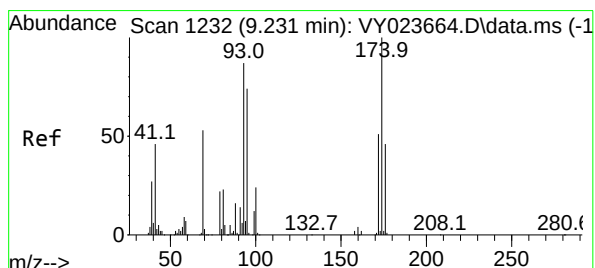
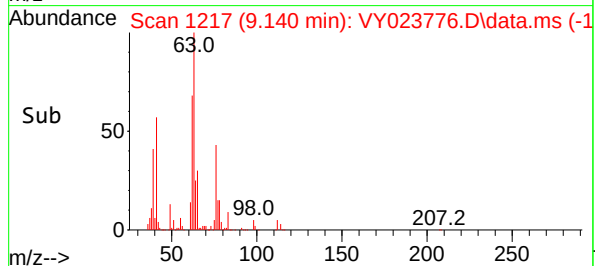
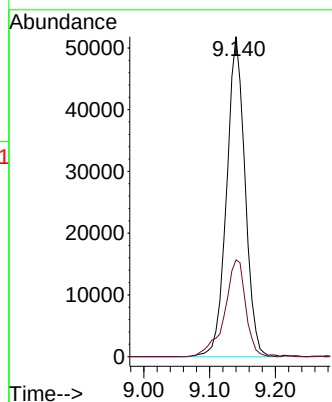
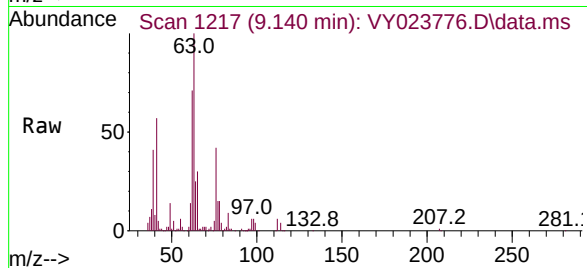
65 30.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 20.678 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

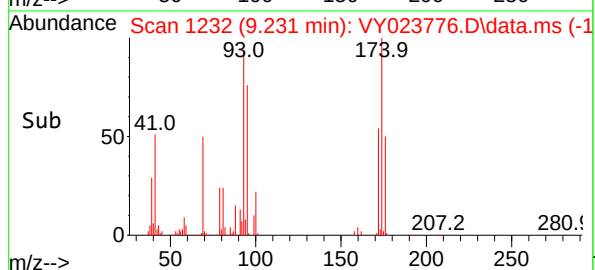
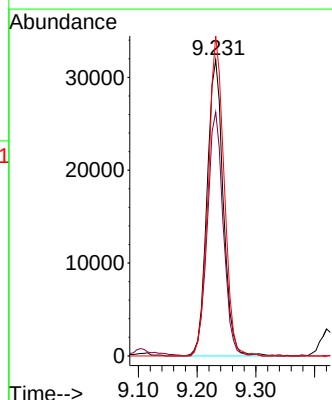
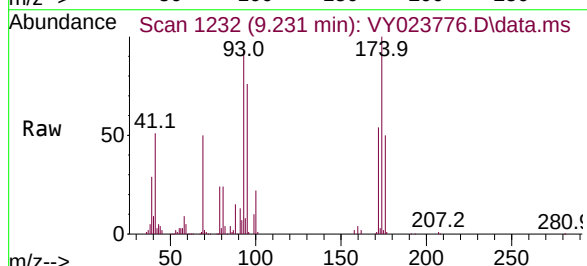
Tgt Ion: 93 Resp: 61074

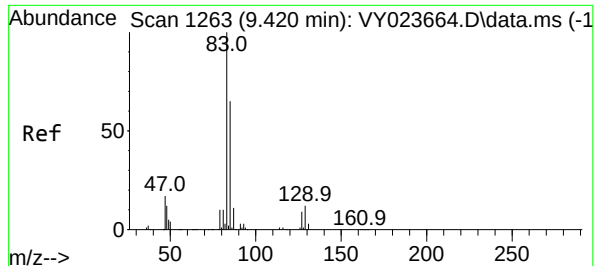
Ion Ratio Lower Upper

93 100

95 81.1 67.4 101.2

174 105.9 89.4 134.0





#47

Bromodichloromethane

Concen: 20.986 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 83 Resp: 156275

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1

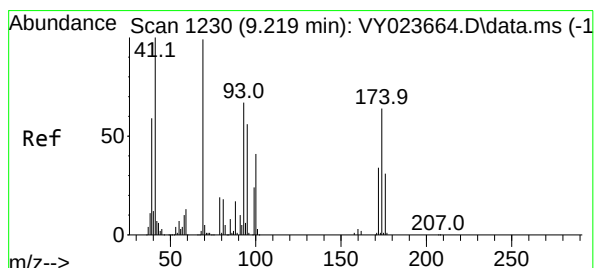
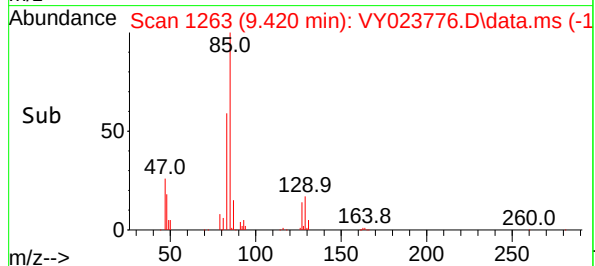
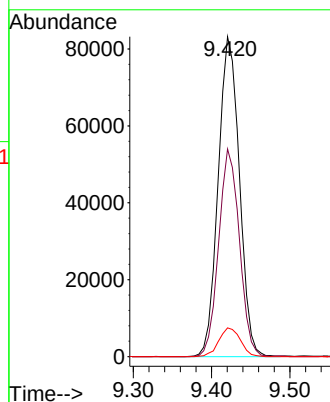
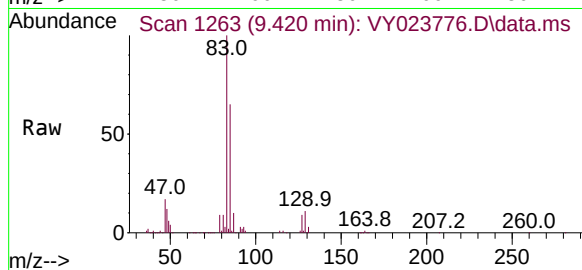
127 9.0 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 18.711 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

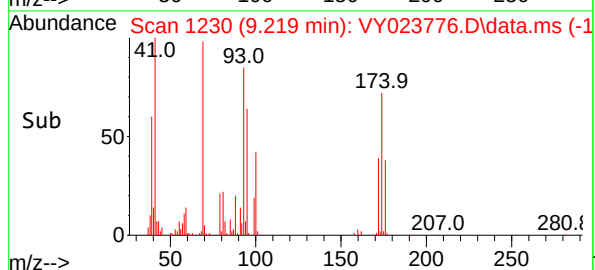
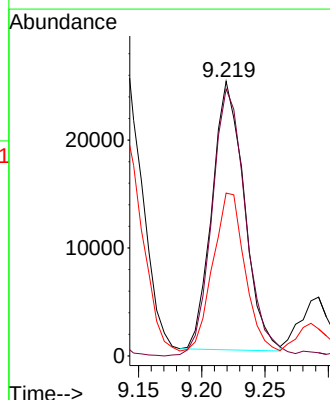
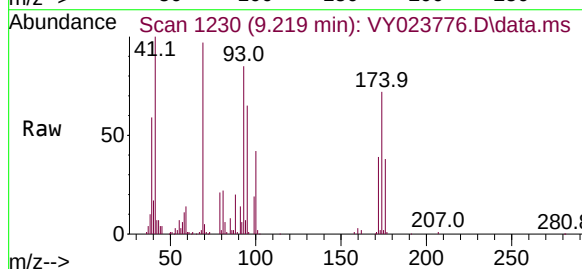
Tgt Ion: 41 Resp: 44060

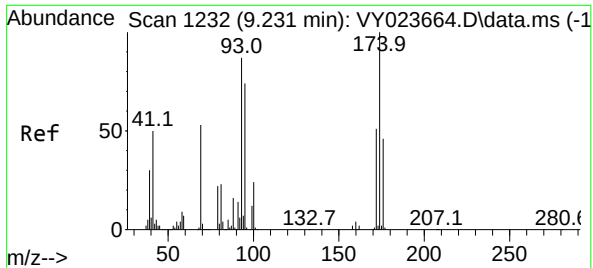
Ion Ratio Lower Upper

41 100

69 104.3 80.2 120.2

39 58.7 47.4 71.0





#49

1,4-Dioxane

Concen: 409.501 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 88 Resp: 12378

Ion Ratio Lower Upper

88 100

43 31.3 22.0 33.0

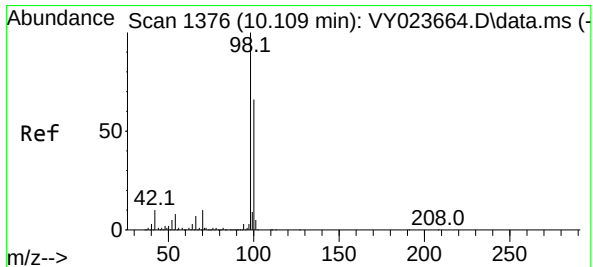
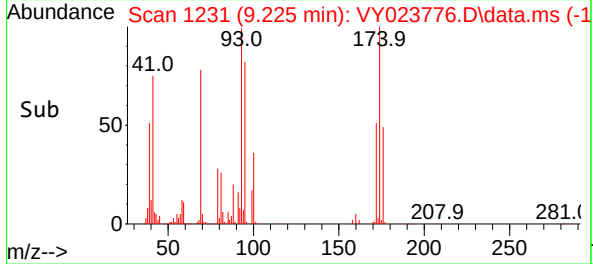
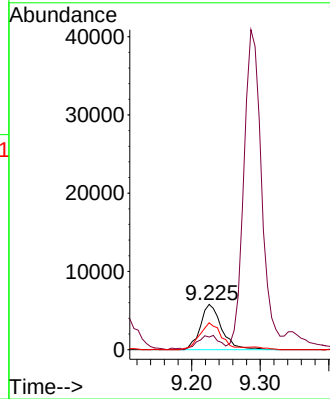
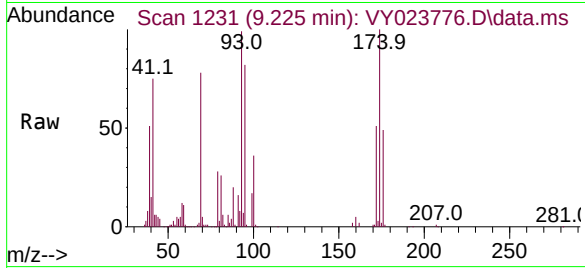
58 61.0 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 51.094 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY023776.D

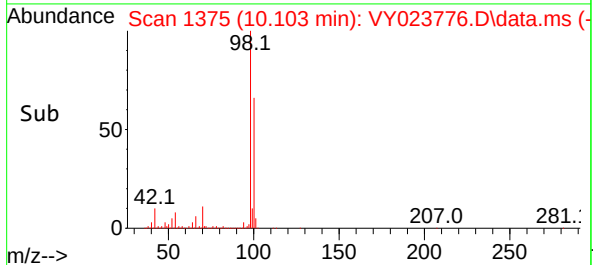
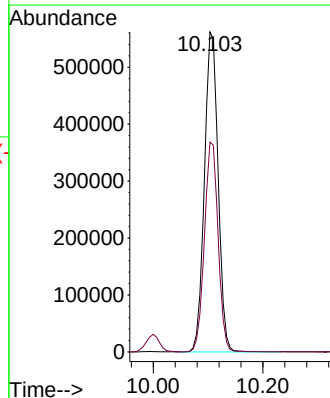
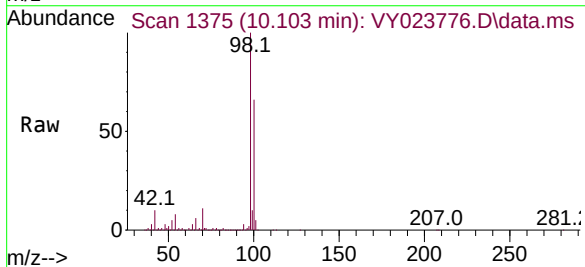
Acq: 13 Nov 2025 10:46

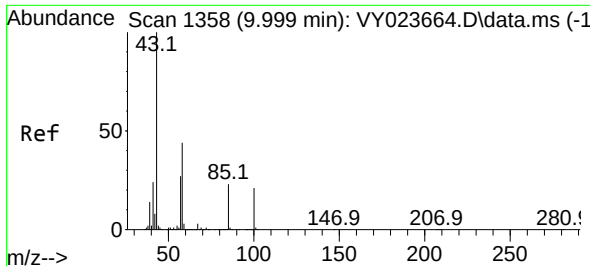
Tgt Ion: 98 Resp: 976007

Ion Ratio Lower Upper

98 100

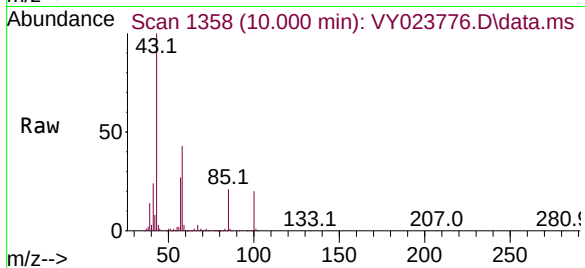
100 65.4 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 101.958 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

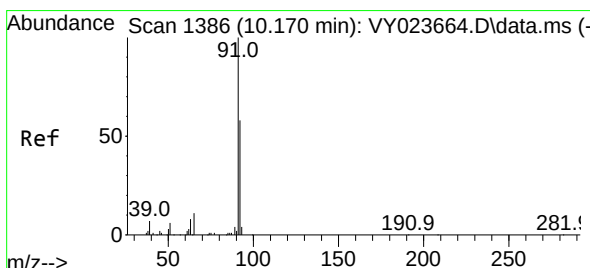
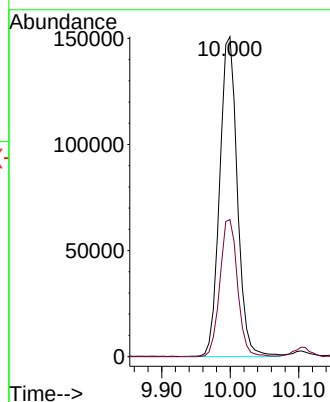
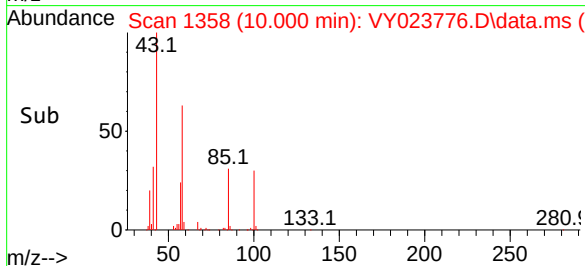
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion: 43 Resp: 270250
Ion Ratio Lower Upper
43 100
58 42.8 34.8 52.2

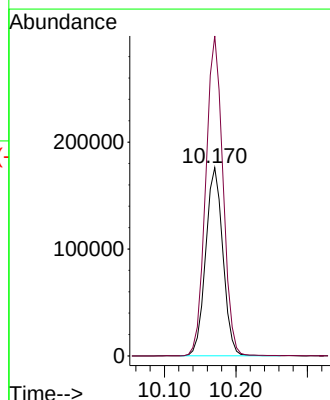
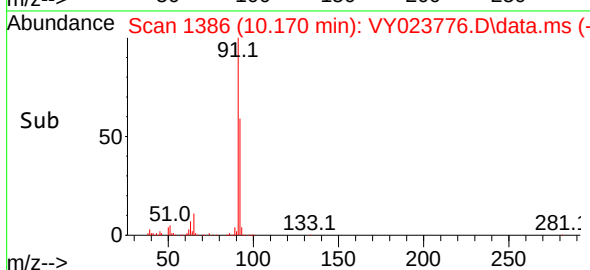
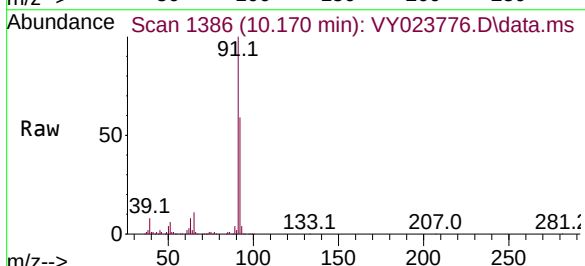
Manual Integrations
APPROVED

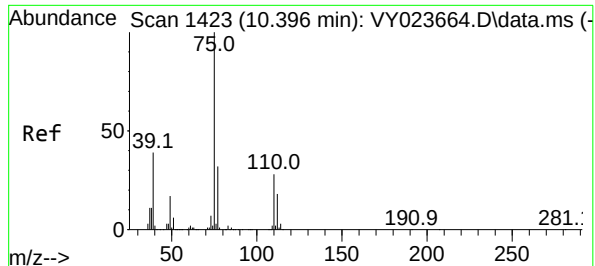
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 21.290 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion: 92 Resp: 293575
Ion Ratio Lower Upper
92 100
91 170.4 137.8 206.8





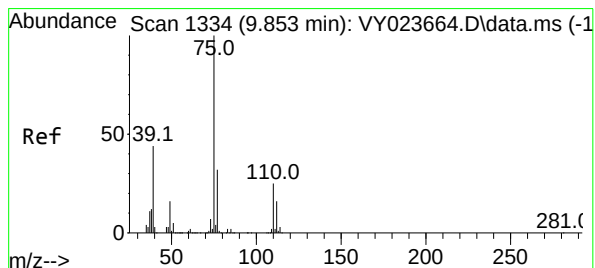
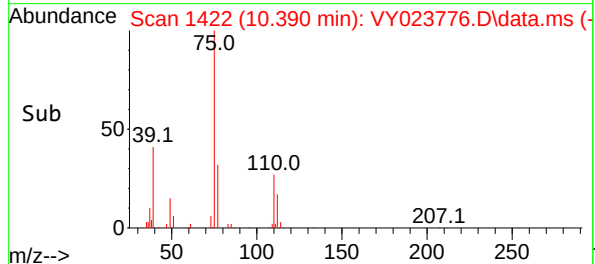
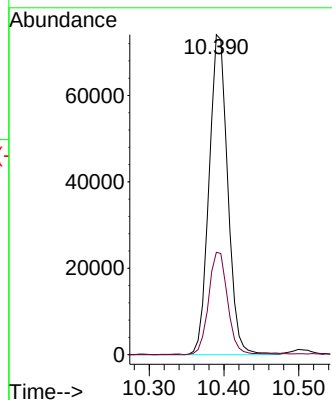
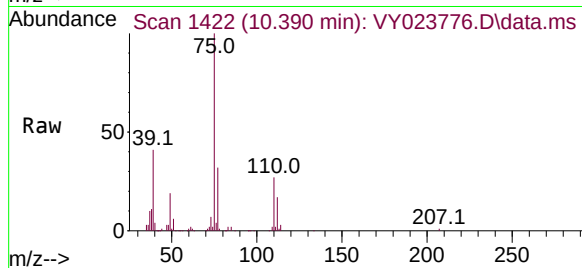
#53
t-1,3-Dichloropropene
Concen: 20.376 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion: 75 Resp: 128390
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

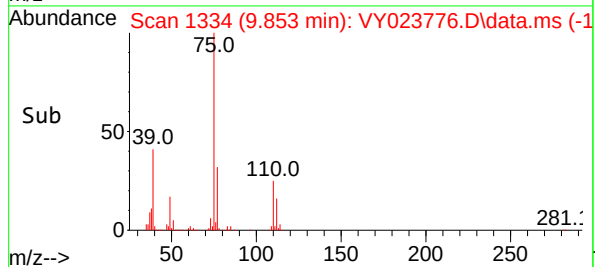
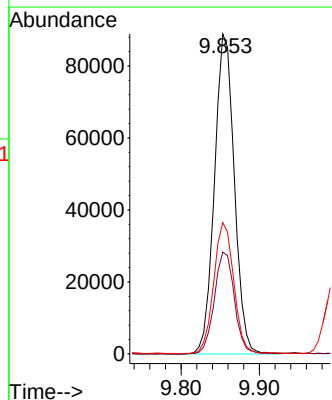
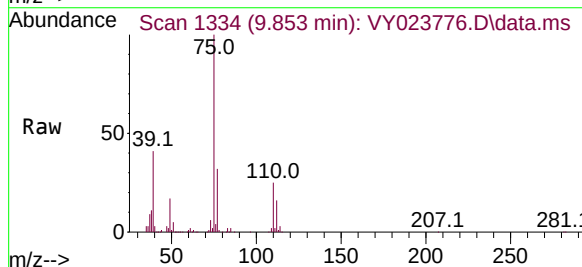
Manual Integrations
APPROVED

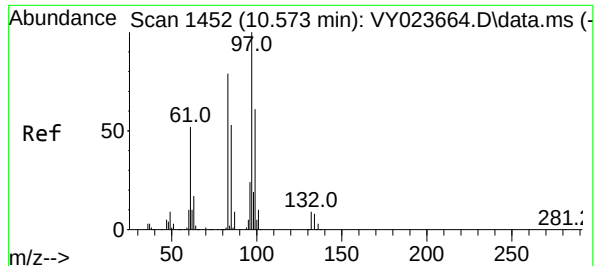
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#54
cis-1,3-Dichloropropene
Concen: 20.734 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion: 75 Resp: 156524
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 41.0 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 20.548 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 97 Resp: 81108

Ion Ratio Lower Upper

97 100

83 86.6 63.3 94.9

85 56.3 42.4 63.6

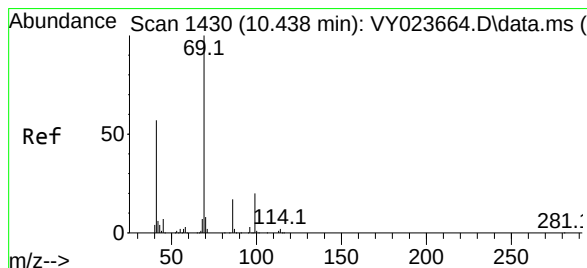
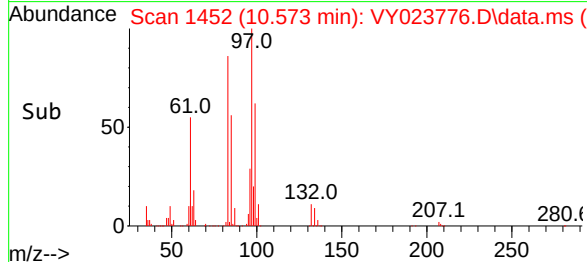
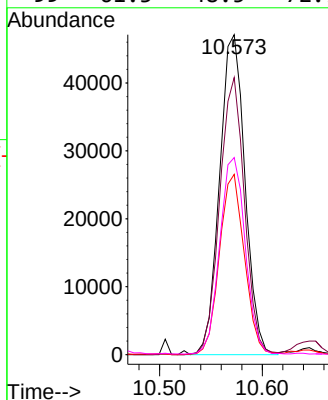
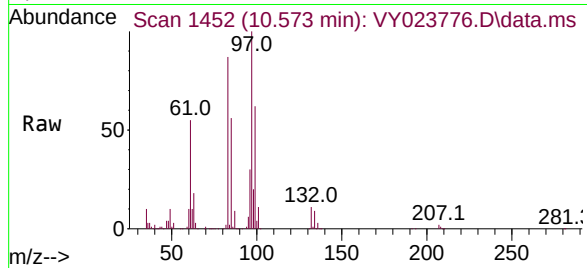
99 61.3 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#56

Ethyl methacrylate

Concen: 19.698 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

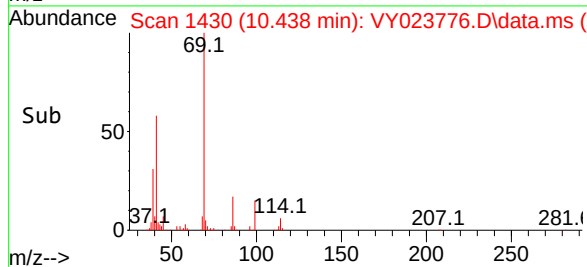
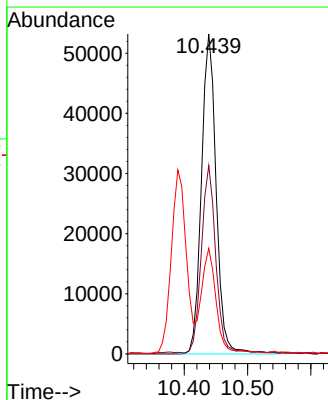
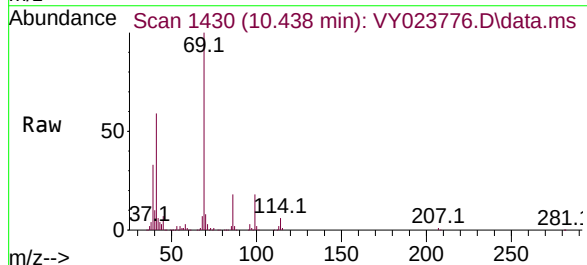
Tgt Ion: 69 Resp: 85667

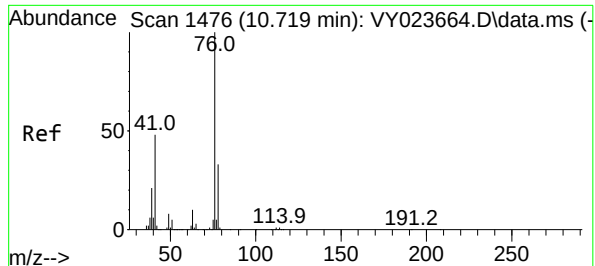
Ion Ratio Lower Upper

69 100

41 56.6 45.0 67.4

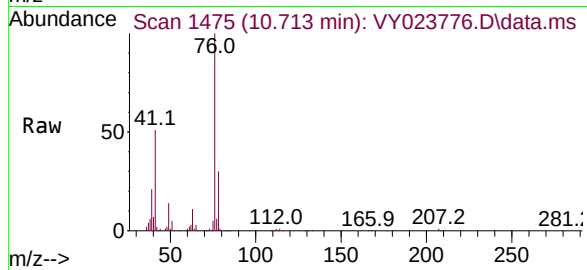
39 32.8 25.1 37.7





#57
1,3-Dichloropropane
Concen: 20.640 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

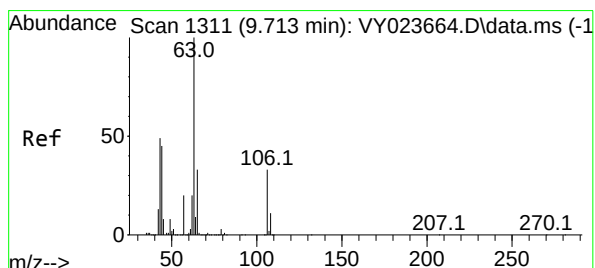
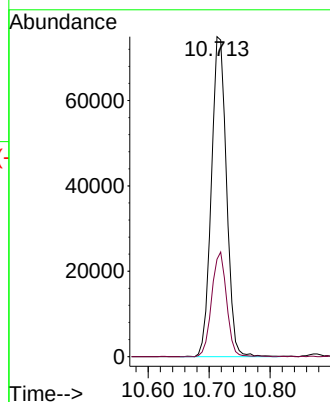
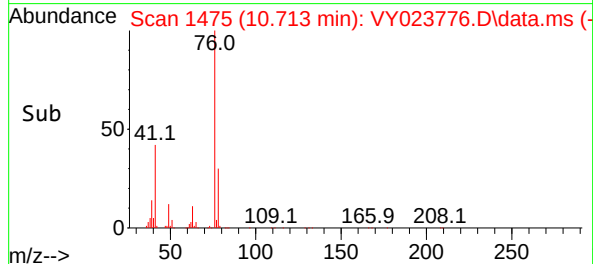
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion: 76 Resp: 129224
Ion Ratio Lower Upper
76 100
78 32.1 26.0 39.0

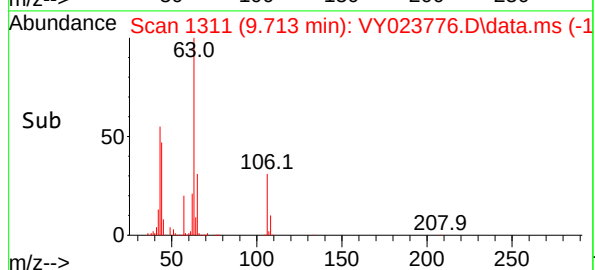
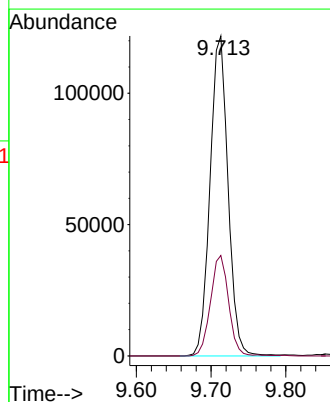
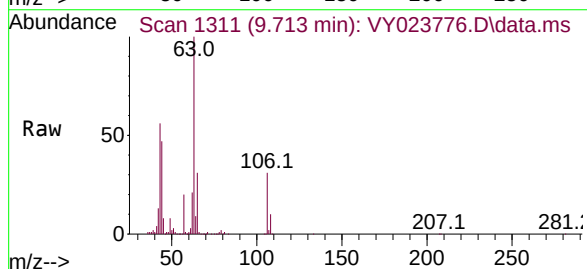
Manual Integrations
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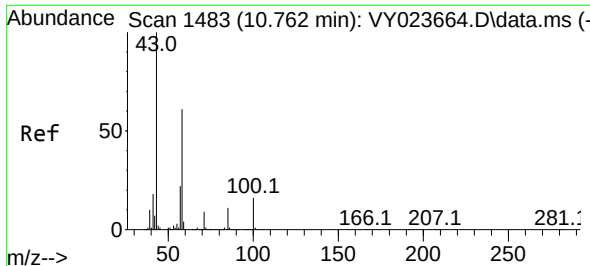
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 101.981 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion: 63 Resp: 203517
Ion Ratio Lower Upper
63 100
106 31.7 26.2 39.2





#59

2-Hexanone

Concen: 105.930 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 20484

Ion Ratio Lower Upper

43 100

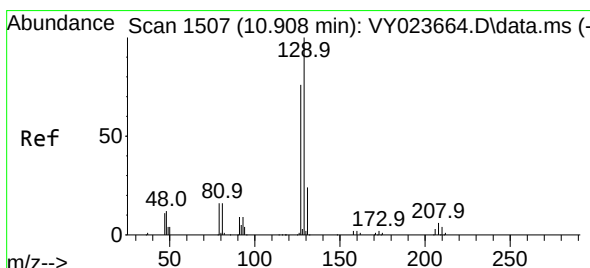
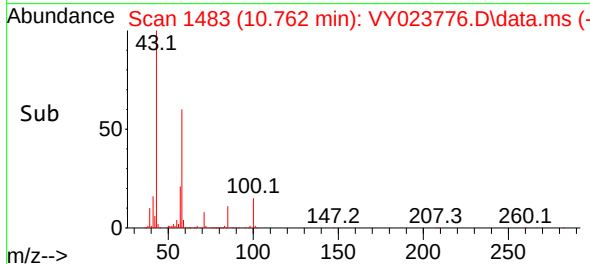
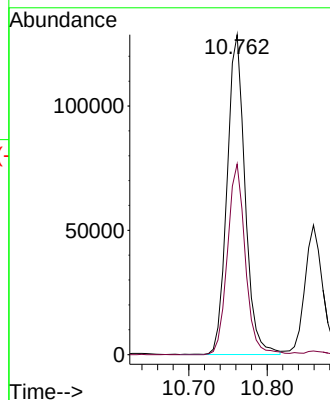
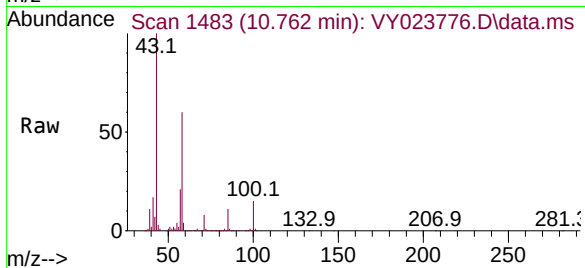
58 59.2 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#60

Dibromochloromethane

Concen: 20.170 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023776.D

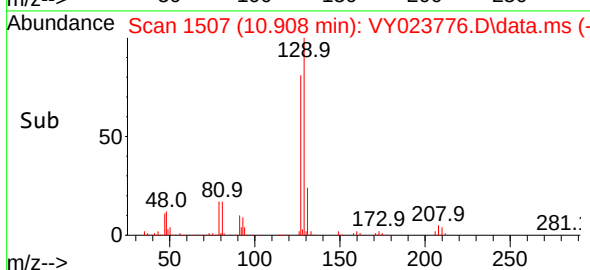
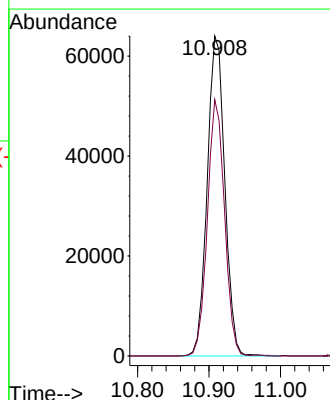
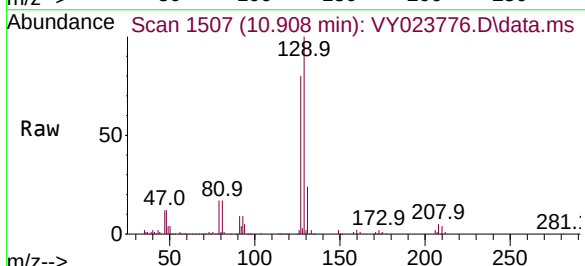
Acq: 13 Nov 2025 10:46

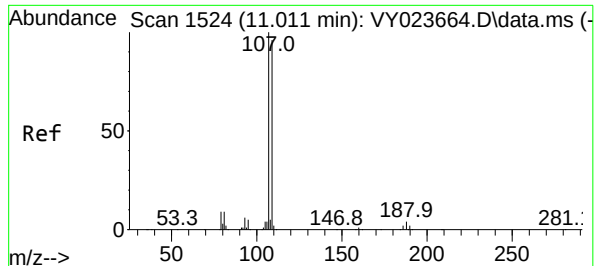
Tgt Ion:129 Resp: 109389

Ion Ratio Lower Upper

129 100

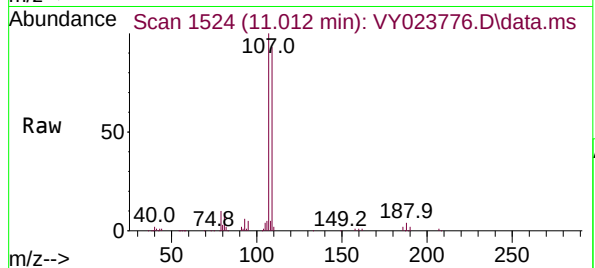
127 78.2 38.4 115.2





#61
1,2-Dibromoethane
Concen: 20.435 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

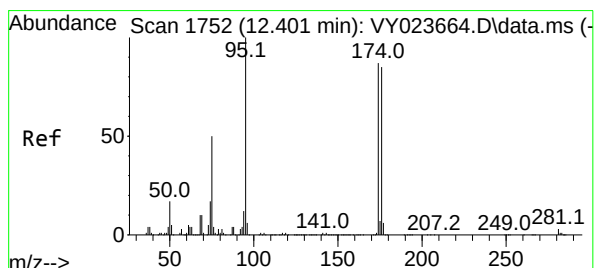
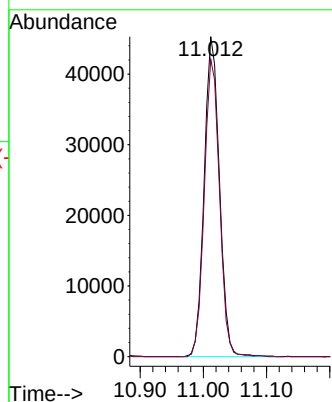
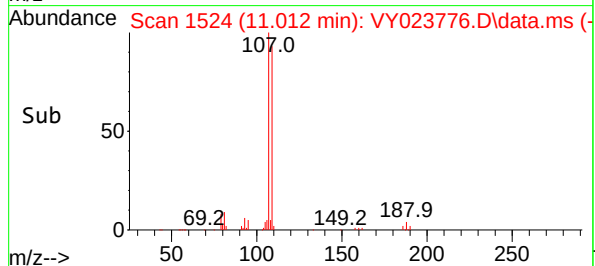
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:107 Resp: 75698
Ion Ratio Lower Upper
107 100
109 92.8 76.2 114.4

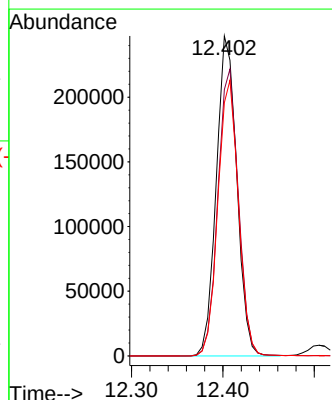
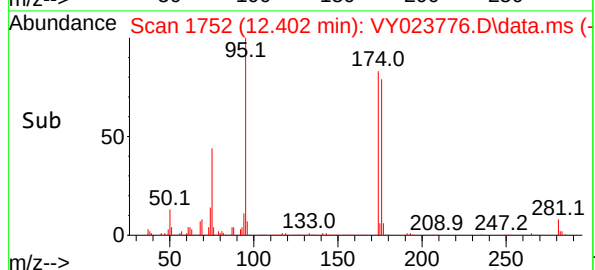
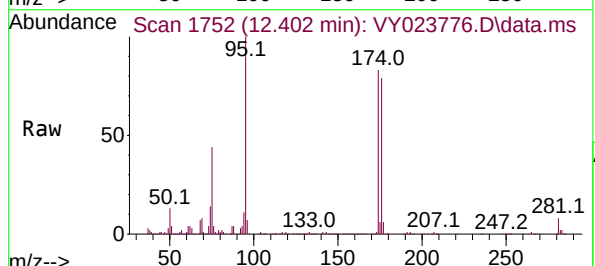
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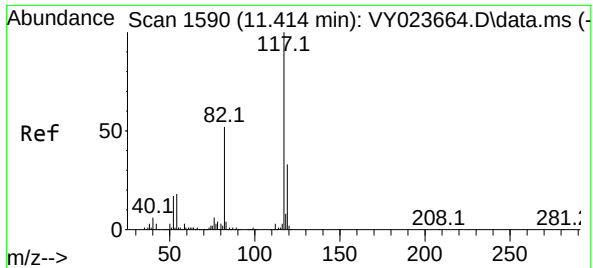
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 62.185 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

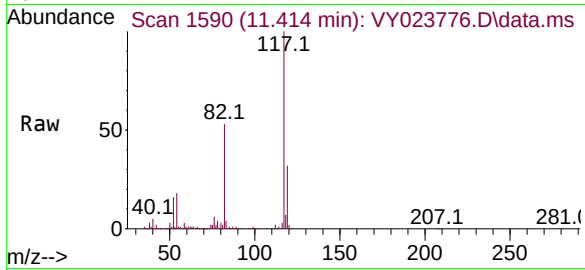
Tgt Ion: 95 Resp: 384143
Ion Ratio Lower Upper
95 100
174 89.7 0.0 184.8
176 86.5 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

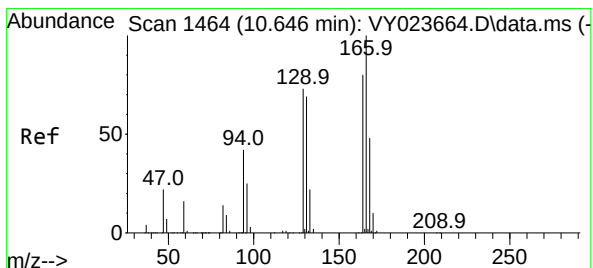
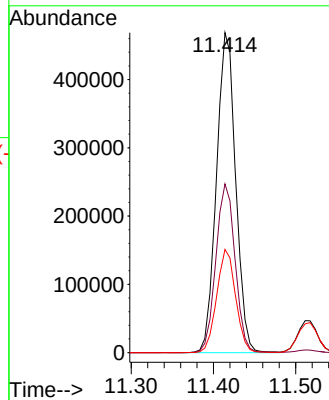
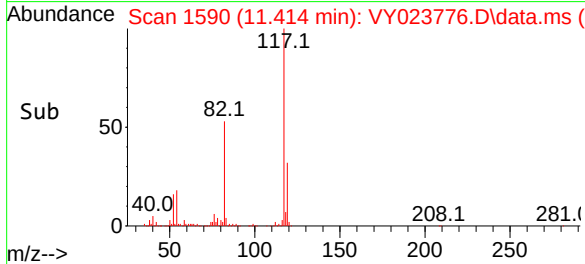
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:117 Resp: 760023
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 32.2 26.2 39.2

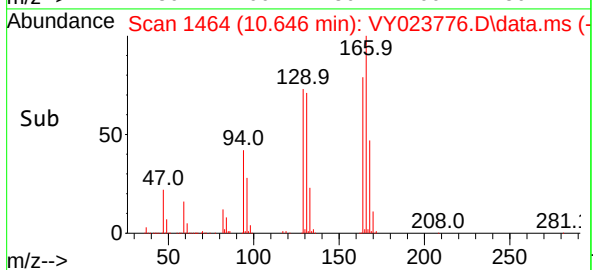
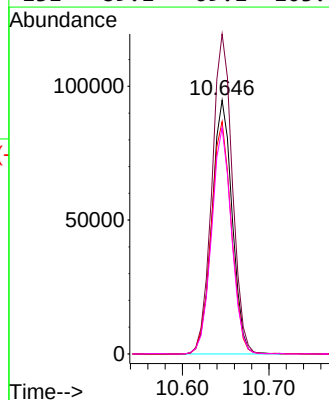
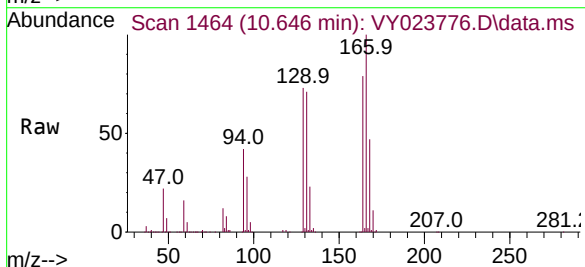
Manual Integrations
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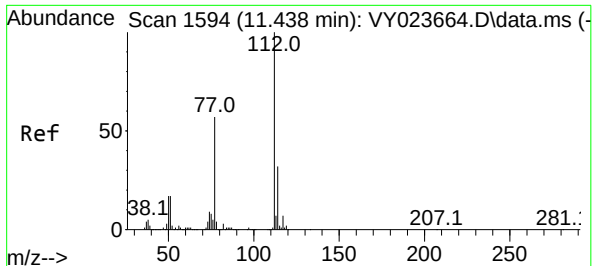
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 19.480 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion:164 Resp: 154096
Ion Ratio Lower Upper
164 100
166 126.1 99.5 149.3
129 91.5 72.3 108.5
131 89.1 69.1 103.7





#65

Chlorobenzene

Concen: 19.711 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:112 Resp: 326124

Ion Ratio Lower Upper

112 100

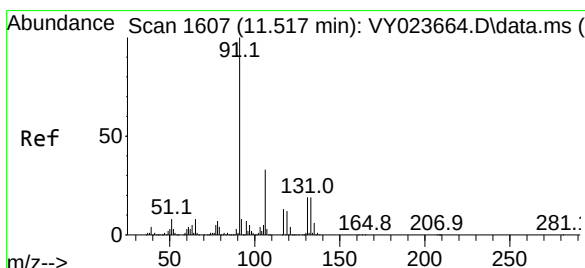
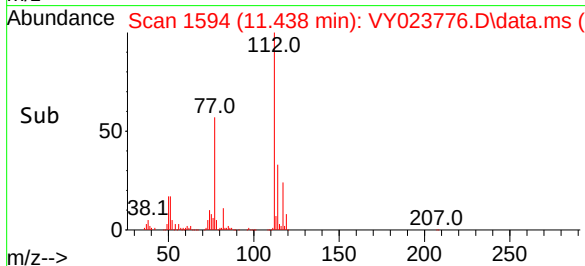
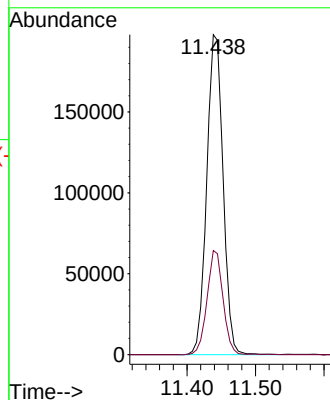
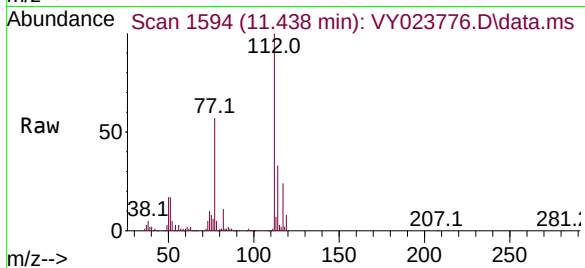
114 32.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

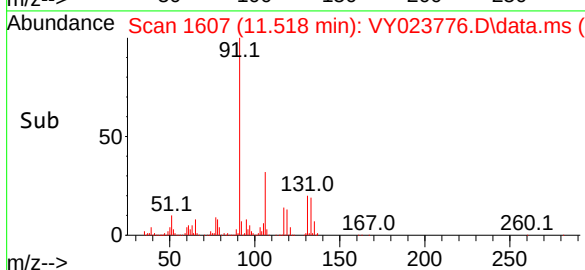
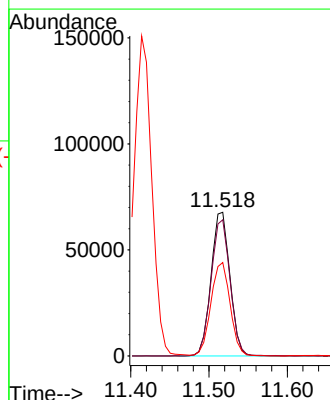
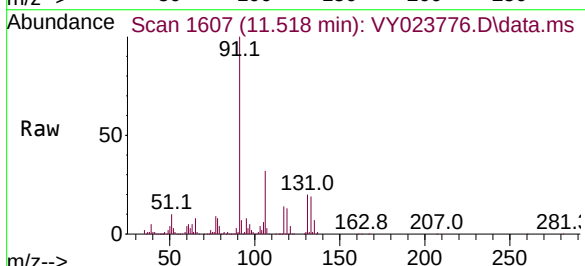
Tgt Ion:131 Resp: 113251

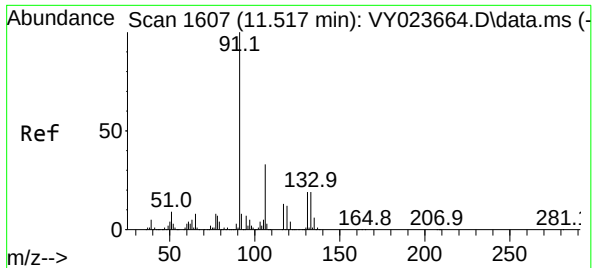
Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

119 66.3 32.5 97.4





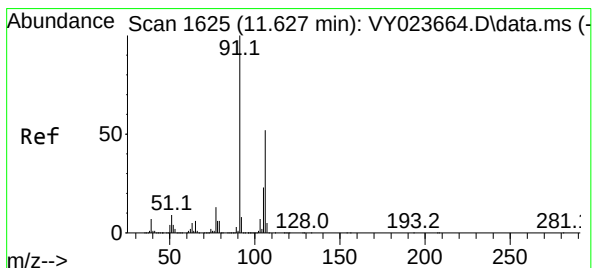
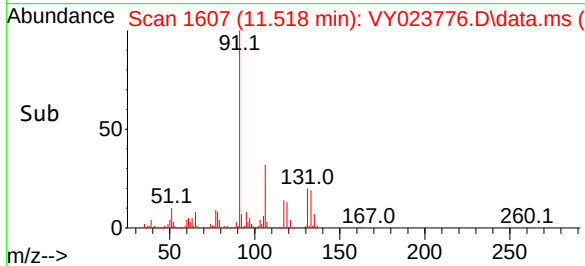
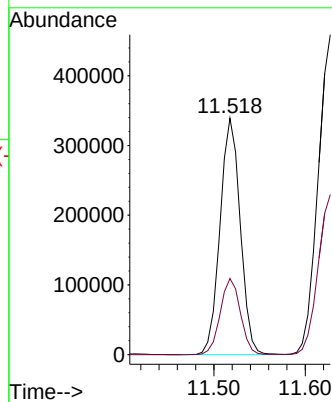
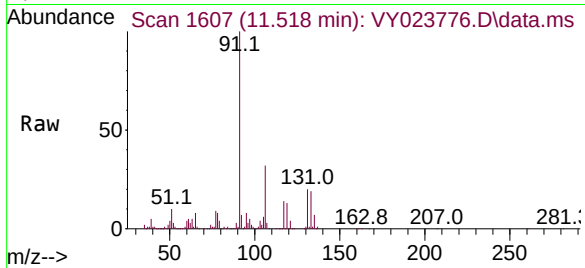
#67
Ethyl Benzene
Concen: 19.401 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion: 91 Resp: 519543
Ion Ratio Lower Upper
91 100
106 32.2 26.6 40.0

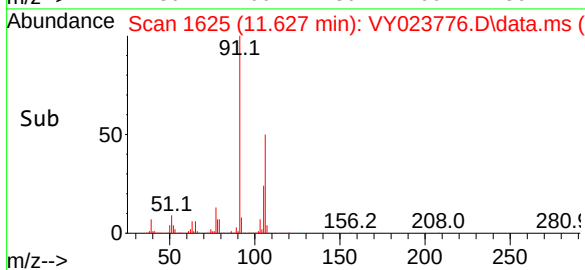
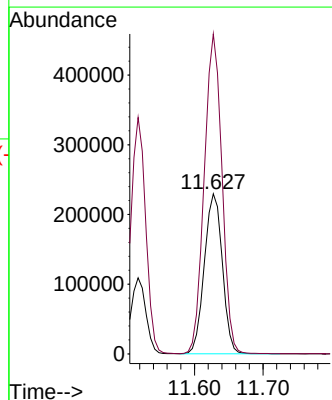
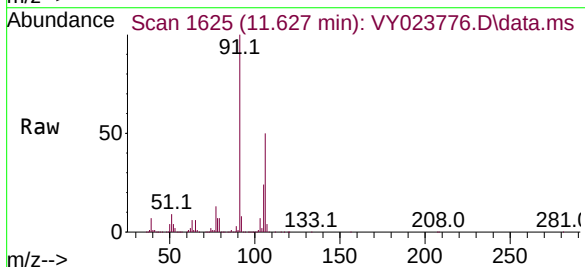
Manual Integrations
APPROVED

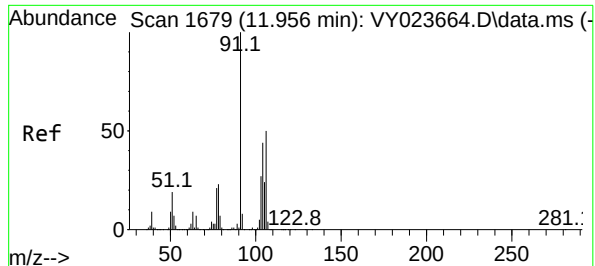
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#68
m/p-Xylenes
Concen: 39.061 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion:106 Resp: 417915
Ion Ratio Lower Upper
106 100
91 197.0 154.3 231.5





#69

o-Xylene

Concen: 19.054 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:106 Resp: 188450

Ion Ratio Lower Upper

106 100

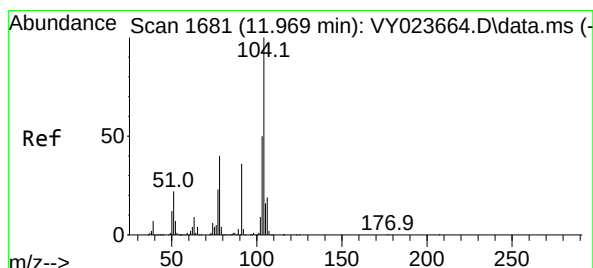
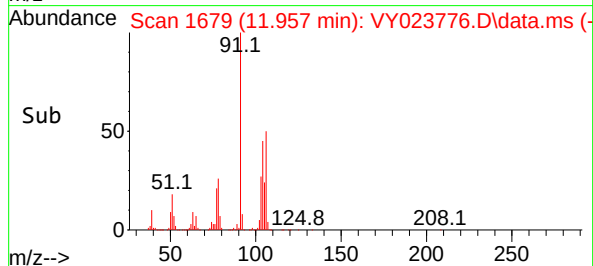
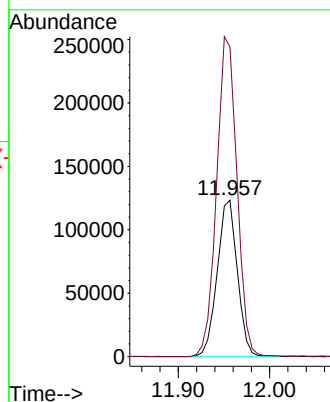
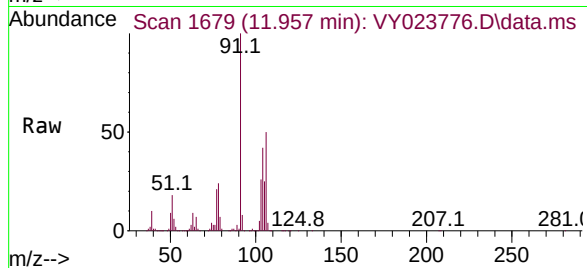
91 207.5 101.6 304.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#70

Styrene

Concen: 19.516 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

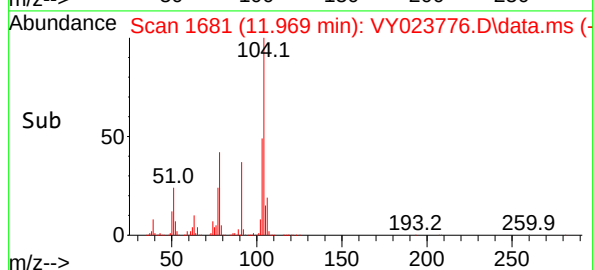
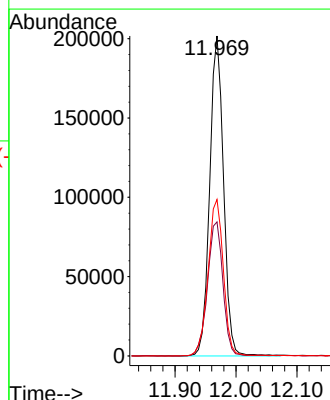
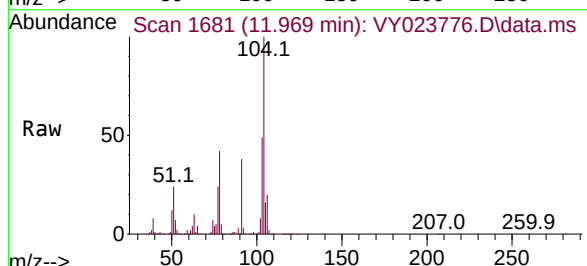
Tgt Ion:104 Resp: 318461

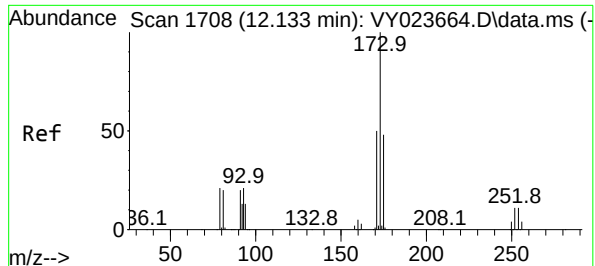
Ion Ratio Lower Upper

104 100

78 46.5 36.5 54.7

103 54.2 43.7 65.5





#71

Bromoform

Concen: 22.172 ug/l

RT: 12.127 min Scan# 1708

Delta R.T. -0.006 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:173 Resp: 75763

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

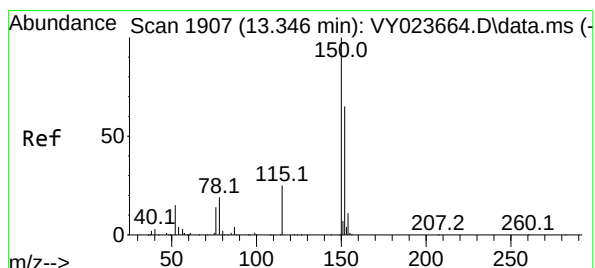
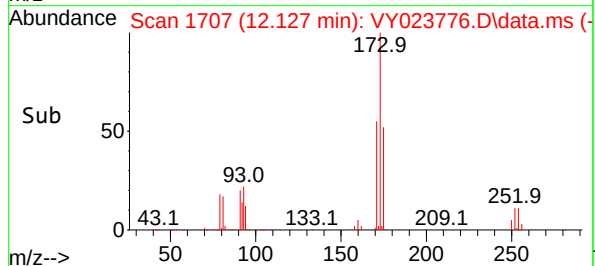
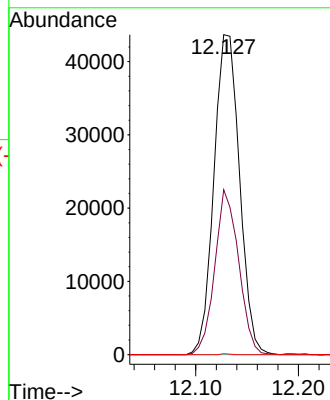
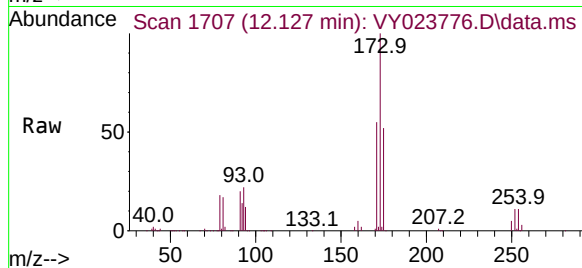
254 0.1 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

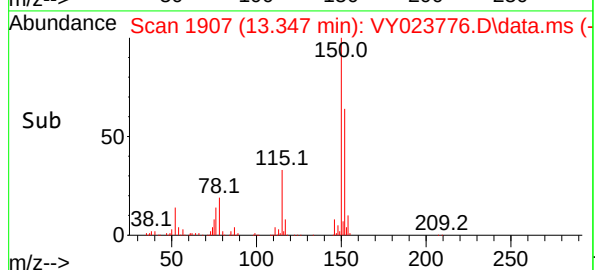
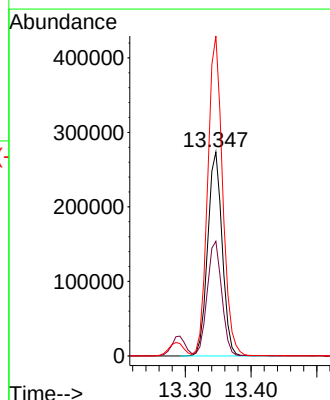
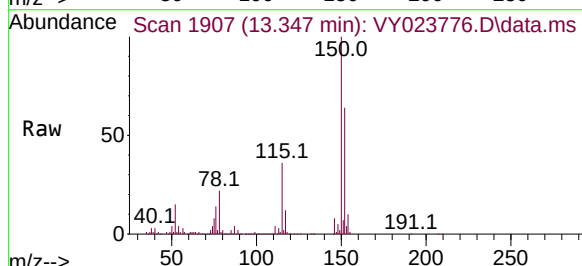
Tgt Ion:152 Resp: 418145

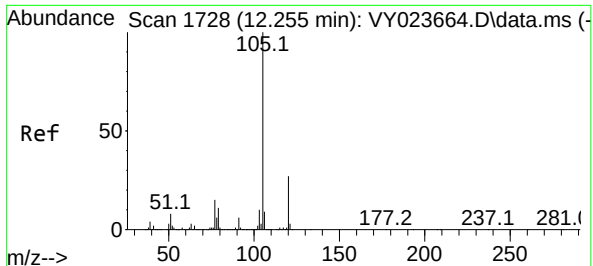
Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.5

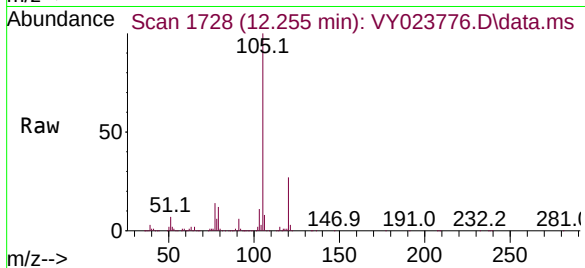
150 161.8 0.0 349.0





#73
Isopropylbenzene
Concen: 20.767 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

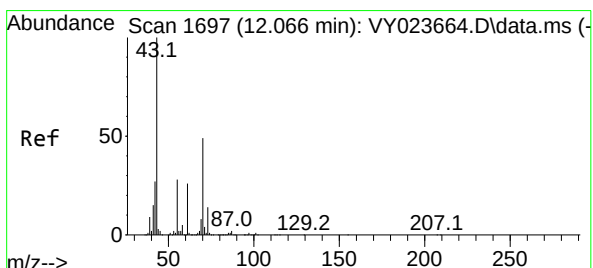
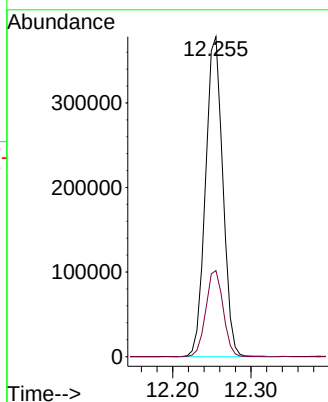
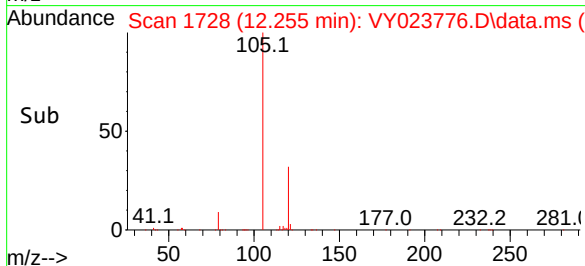
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:105 Resp: 58078
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7

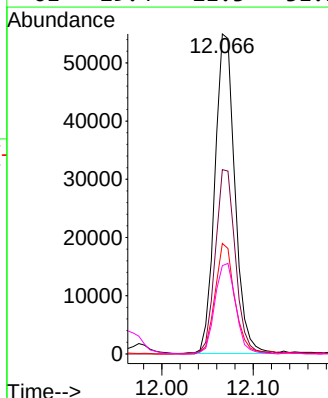
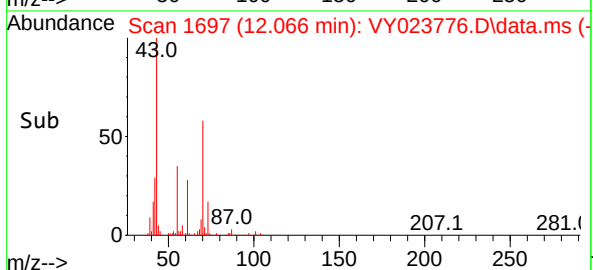
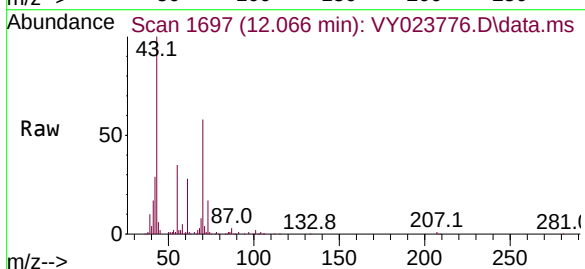
Manual Integrations
APPROVED

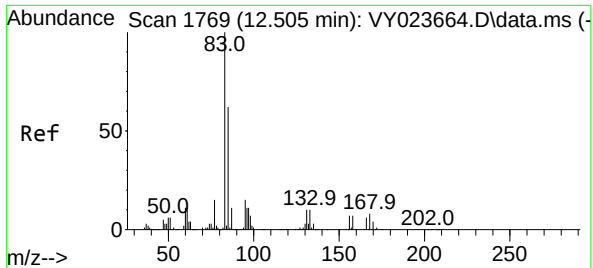
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 17.642 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

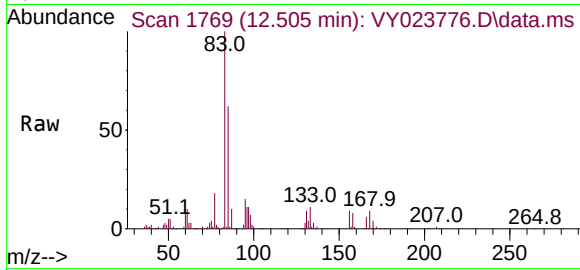
Tgt Ion: 43 Resp: 83531
Ion Ratio Lower Upper
43 100
70 57.7 40.1 60.1
55 34.4 23.0 34.6
61 29.4 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 19.513 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

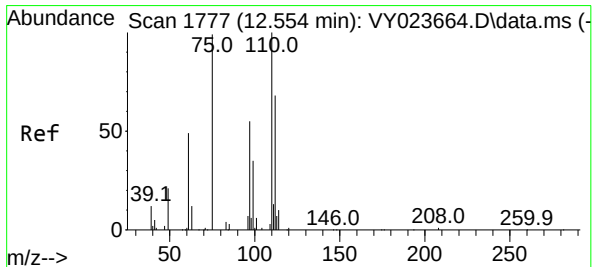
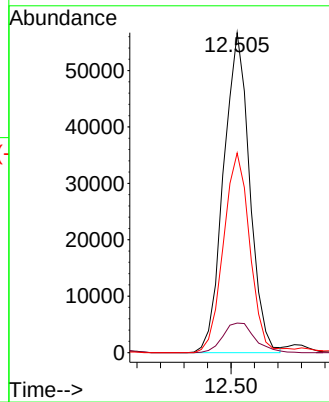
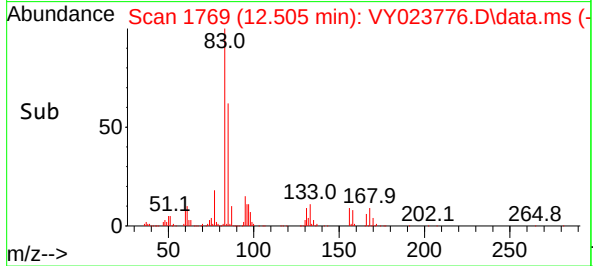
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion: 83 Resp: 8715
Ion Ratio Lower Upper
83 100
131 11.3 5.7 17.0
85 63.5 31.9 95.7

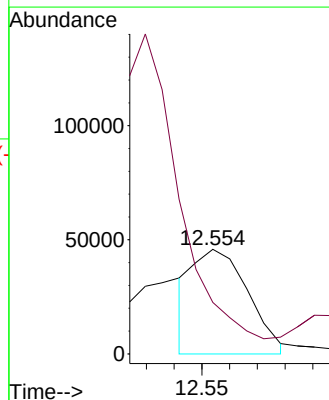
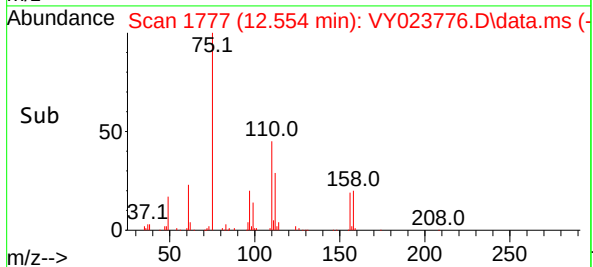
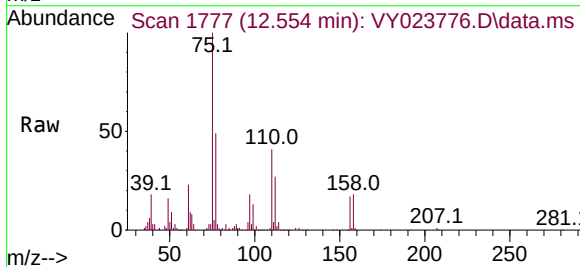
Manual Integrations
APPROVED

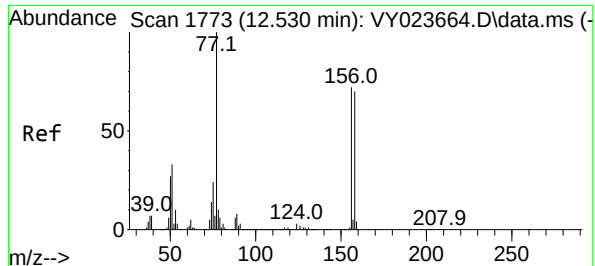
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 18.818 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion: 75 Resp: 63683
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.540 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:156 Resp: 149004

Ion Ratio Lower Upper

156 100

77 160.6 77.9 233.7

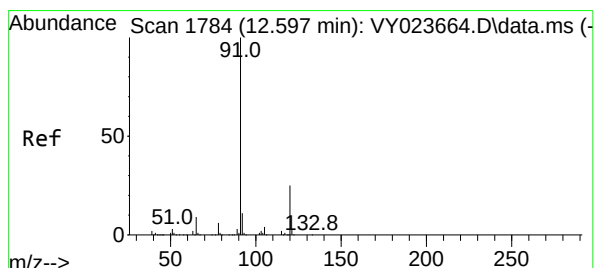
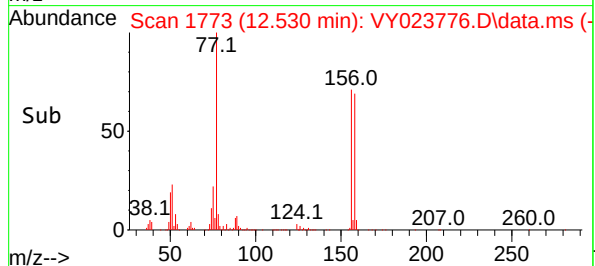
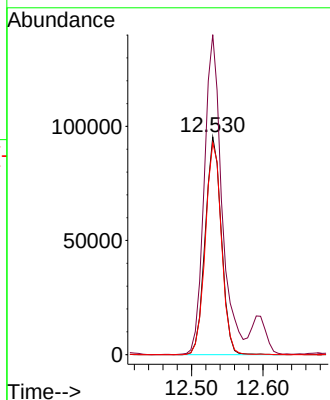
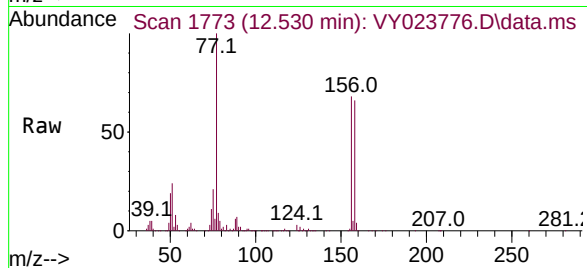
158 97.4 48.5 145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 20.945 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY023776.D

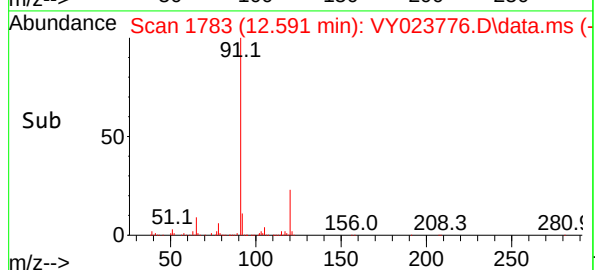
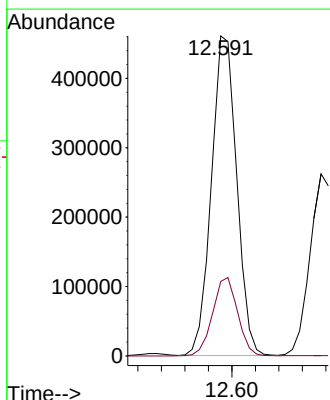
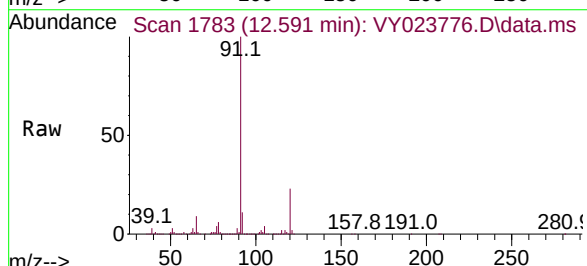
Acq: 13 Nov 2025 10:46

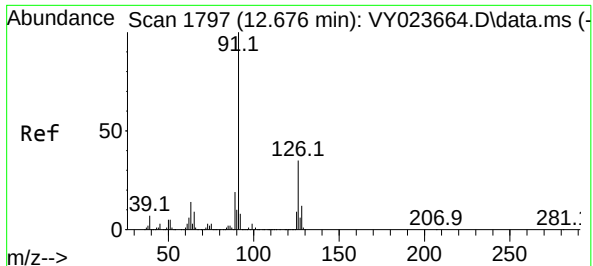
Tgt Ion: 91 Resp: 688982

Ion Ratio Lower Upper

91 100

120 24.2 12.0 36.1





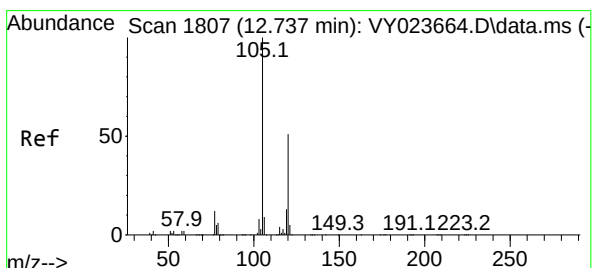
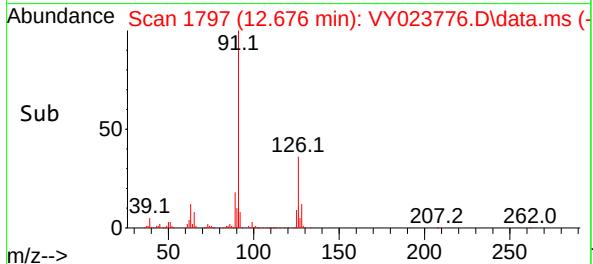
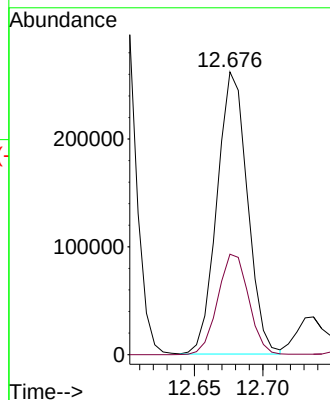
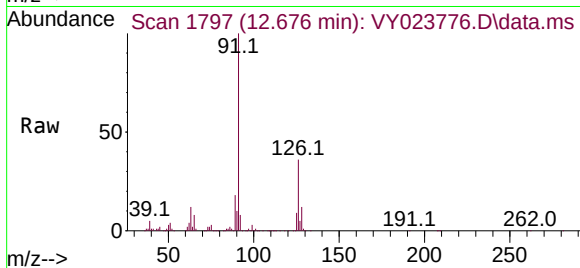
#79
2-Chlorotoluene
Concen: 21.266 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion: 91 Resp: 405941
Ion Ratio Lower Upper
91 100
126 36.1 18.0 54.0

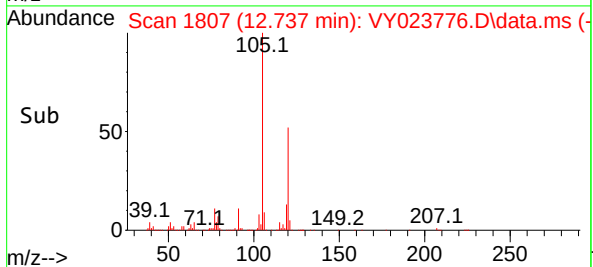
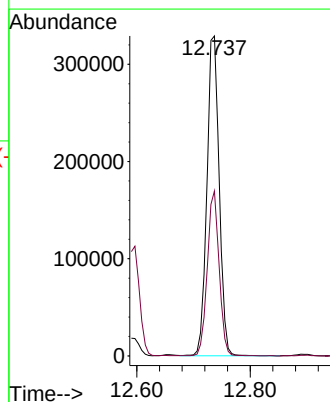
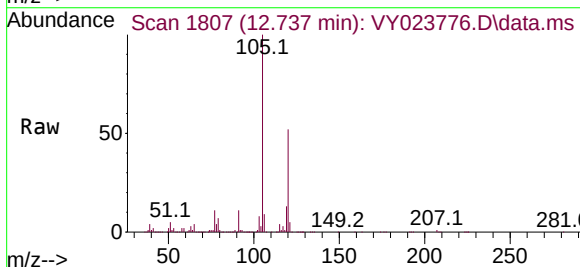
Manual Integrations
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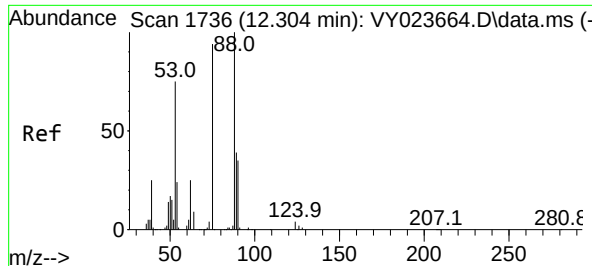
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 21.761 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

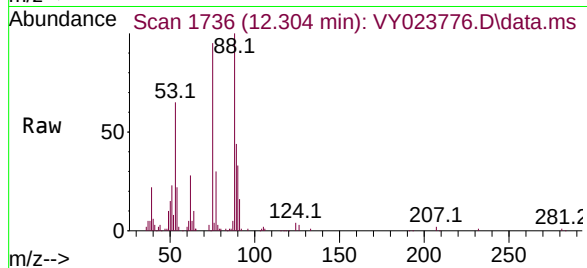
Tgt Ion:105 Resp: 494452
Ion Ratio Lower Upper
105 100
120 49.5 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.751 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

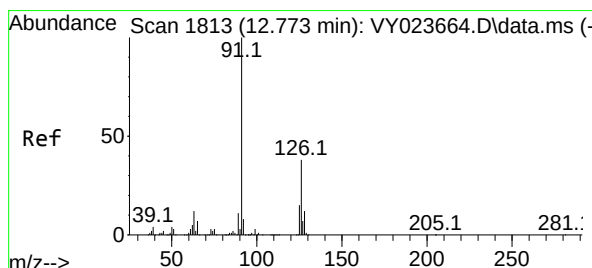
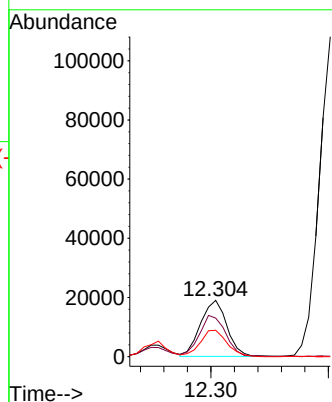
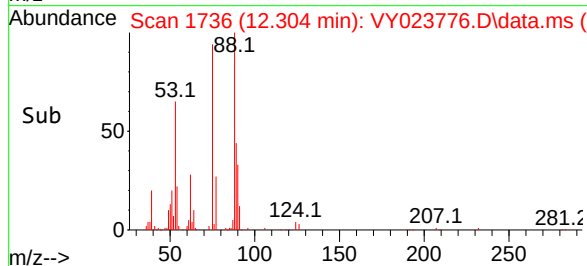
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion: 75 Resp: 29575
Ion Ratio Lower Upper
75 100
53 72.4 69.6 104.4
89 47.4 38.2 57.4

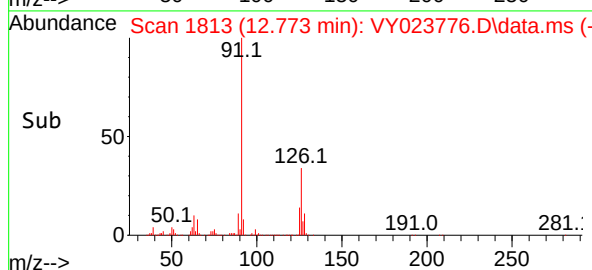
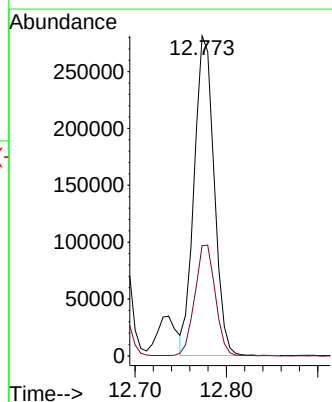
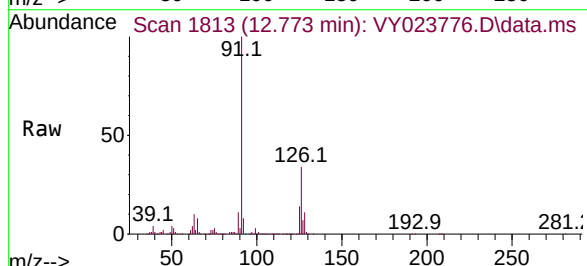
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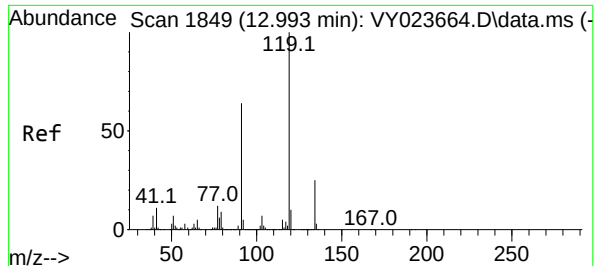
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 21.590 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

Tgt Ion: 91 Resp: 425037
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.4





#83

tert-Butylbenzene

Concen: 20.208 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:119 Resp: 418202

Ion Ratio Lower Upper

119 100

91 60.9 30.7 92.1

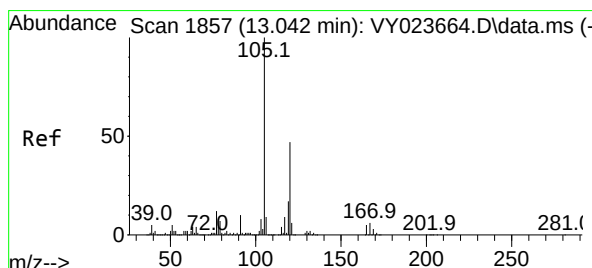
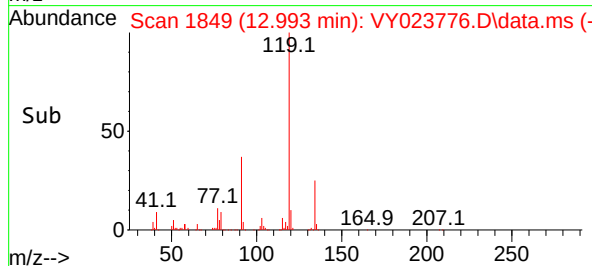
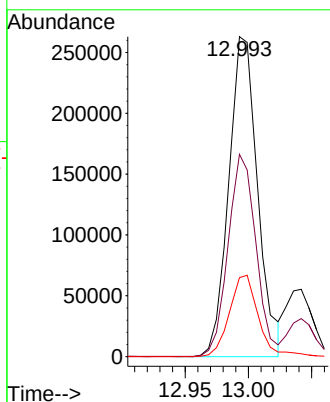
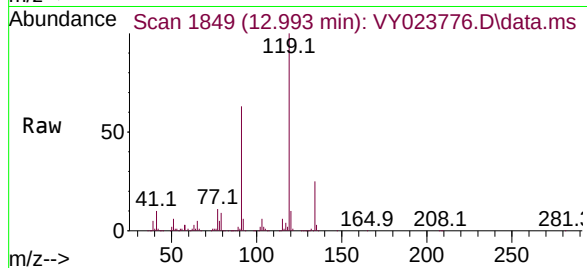
134 25.6 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.845 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023776.D

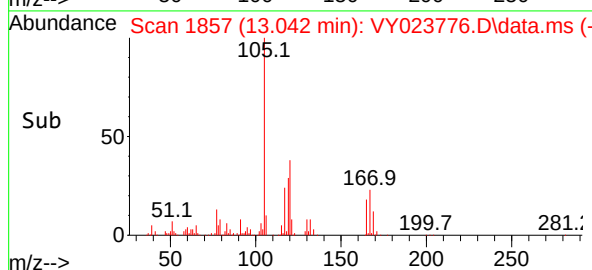
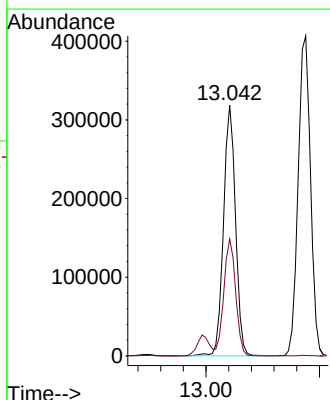
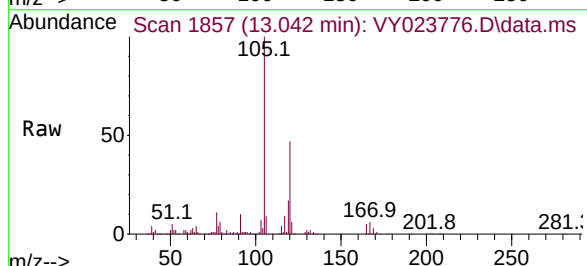
Acq: 13 Nov 2025 10:46

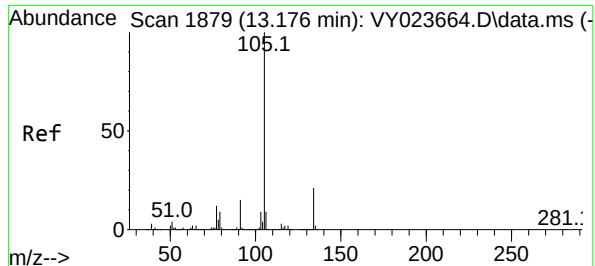
Tgt Ion:105 Resp: 469133

Ion Ratio Lower Upper

105 100

120 45.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.586 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:105 Resp: 614481

Ion Ratio Lower Upper

105 100

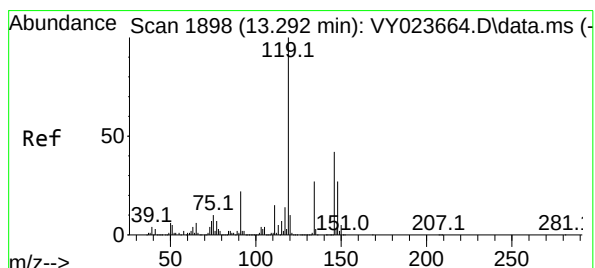
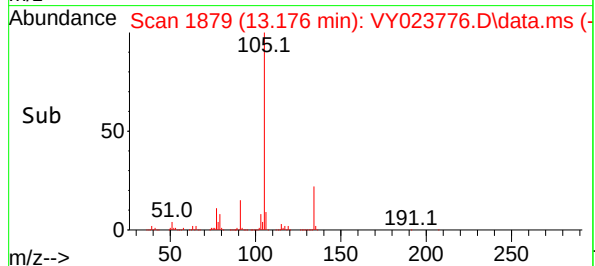
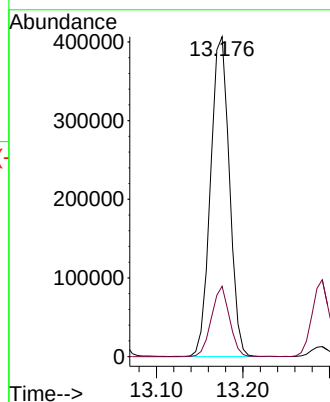
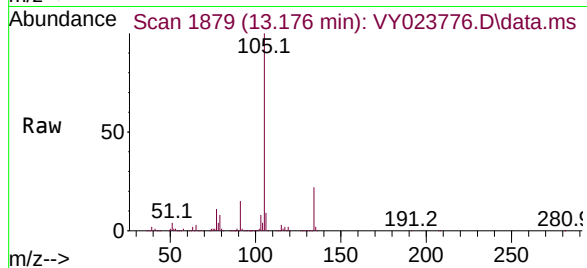
134 21.1 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#86

p-Isopropyltoluene

Concen: 20.327 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

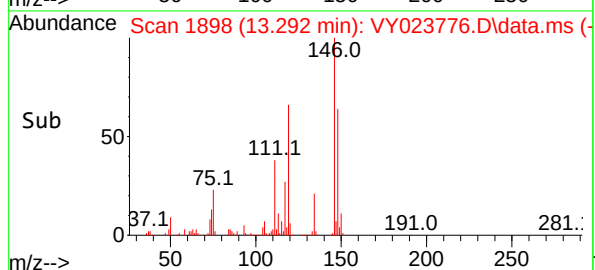
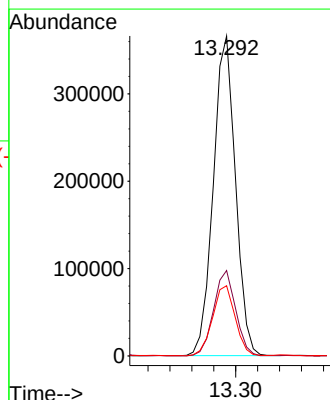
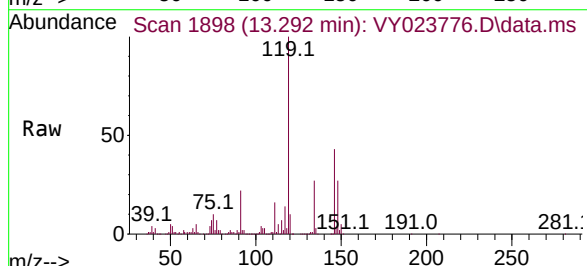
Tgt Ion:119 Resp: 513632

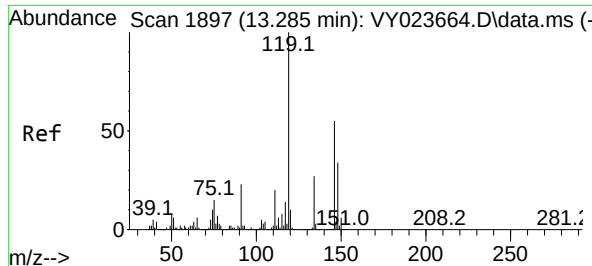
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.3 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.929 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:146 Resp: 284549

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.3

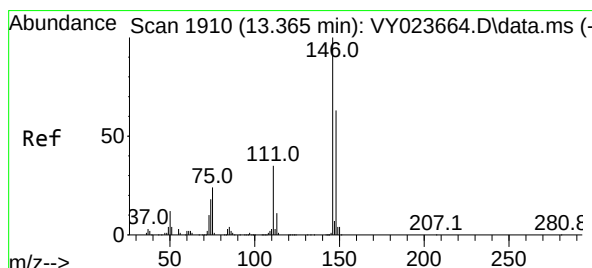
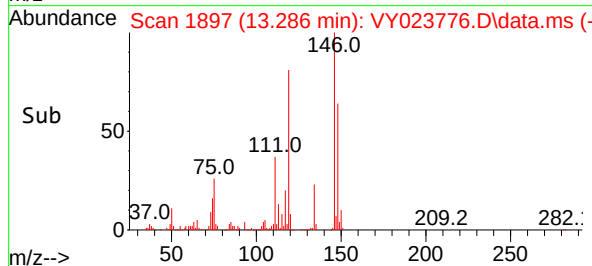
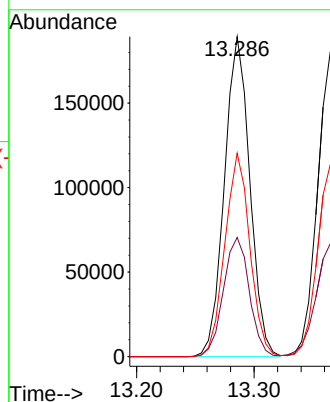
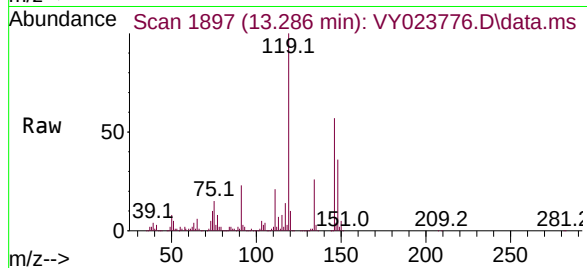
148 62.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#88

1,4-Dichlorobenzene

Concen: 19.775 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

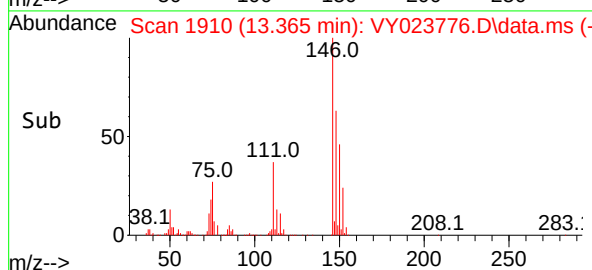
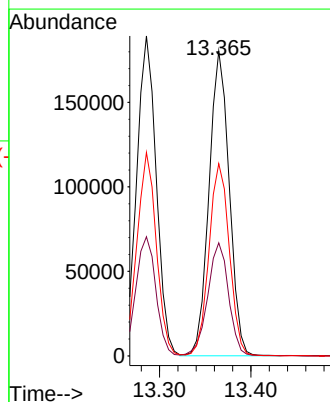
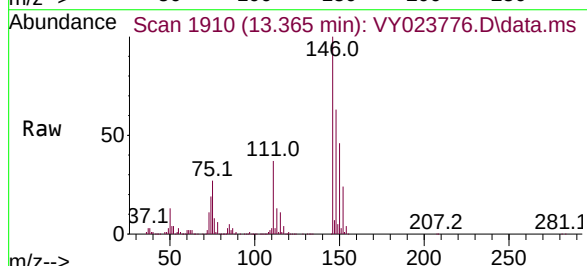
Tgt Ion:146 Resp: 277351

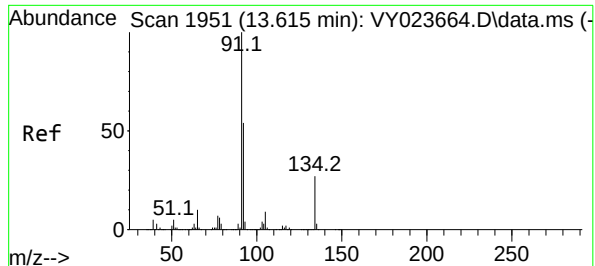
Ion Ratio Lower Upper

146 100

111 38.6 18.3 54.8

148 63.6 31.8 95.3





#89

n-Butylbenzene

Concen: 19.554 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 91 Resp: 429665

Ion Ratio Lower Upper

91 100

92 53.7 26.5 79.4

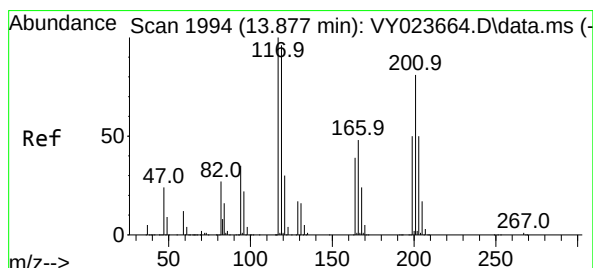
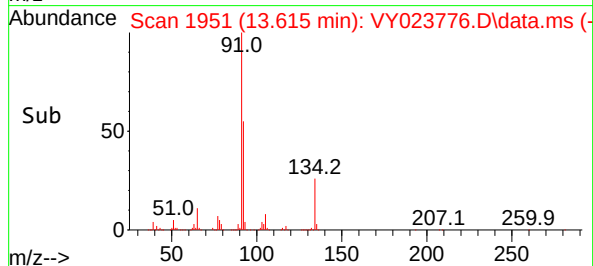
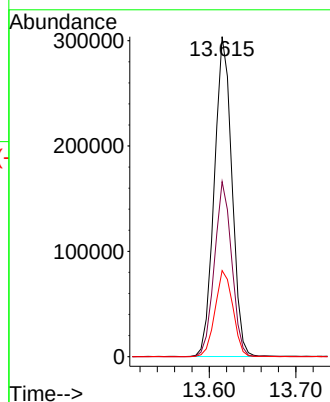
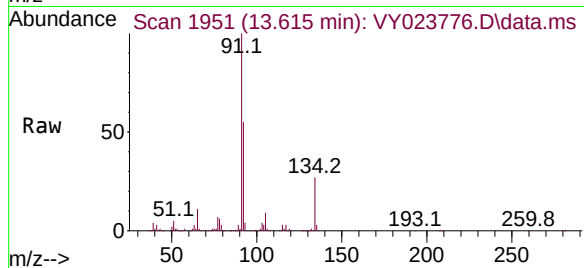
134 27.2 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#90

Hexachloroethane

Concen: 19.143 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023776.D

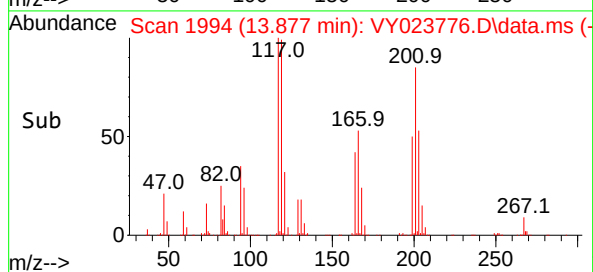
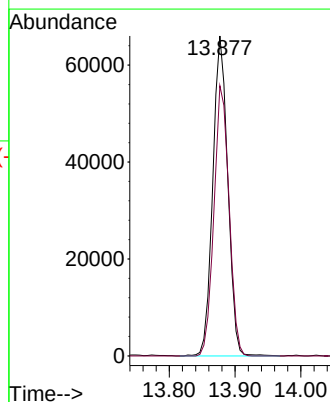
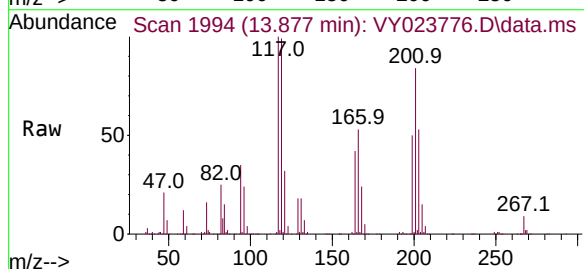
Acq: 13 Nov 2025 10:46

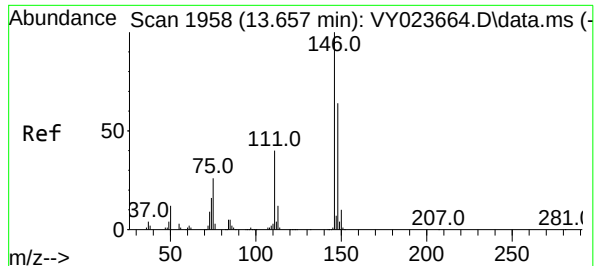
Tgt Ion:117 Resp: 103951

Ion Ratio Lower Upper

117 100

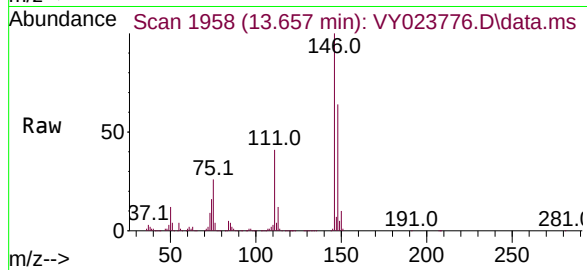
201 85.2 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 19.574 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

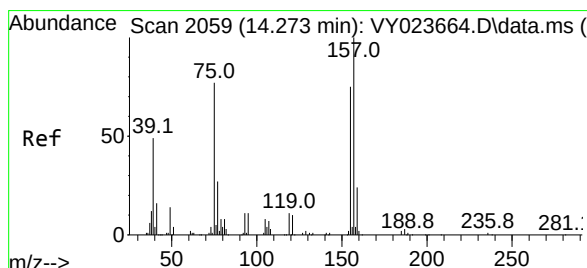
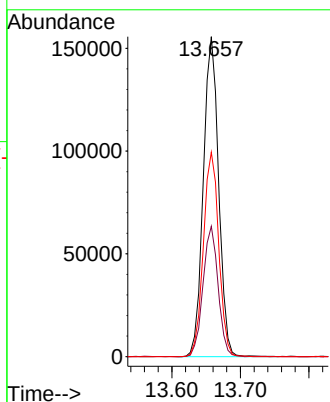
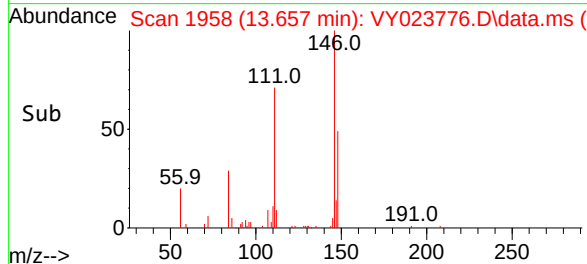
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



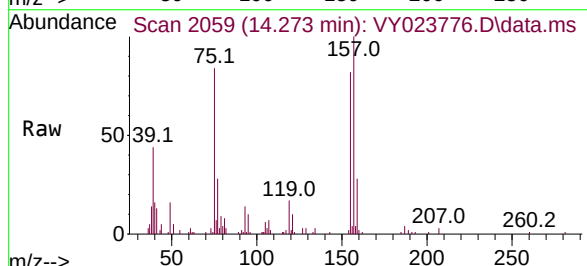
Tgt Ion:146 Resp: 240850
Ion Ratio Lower Upper
146 100
111 40.1 19.5 58.5
148 64.1 31.9 95.9

Manual Integrations
APPROVED

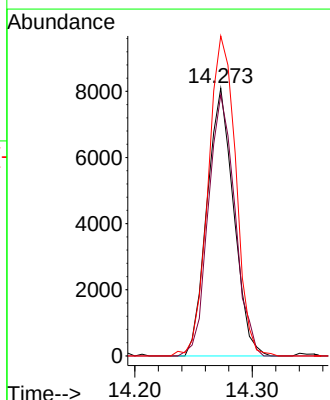
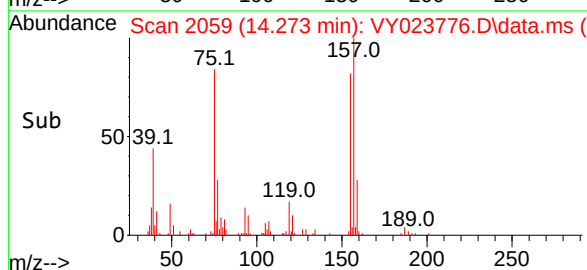
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

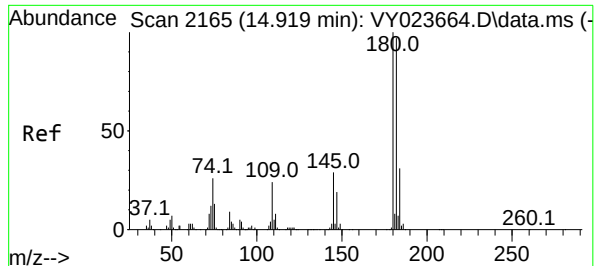


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.532 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46



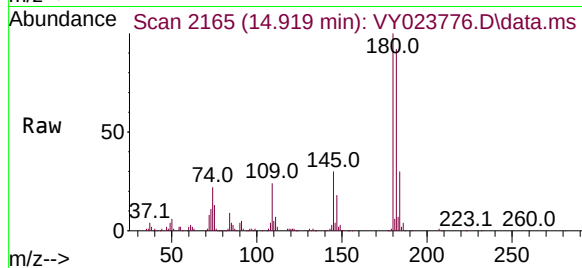
Tgt Ion: 75 Resp: 12745
Ion Ratio Lower Upper
75 100
155 97.2 49.4 148.2
157 123.5 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 18.492 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46

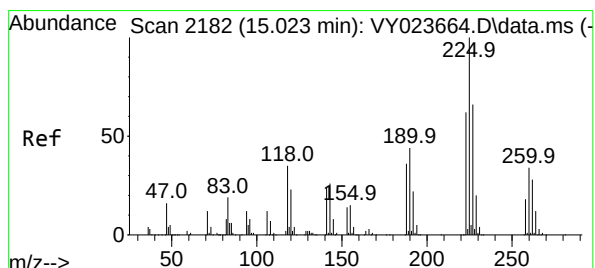
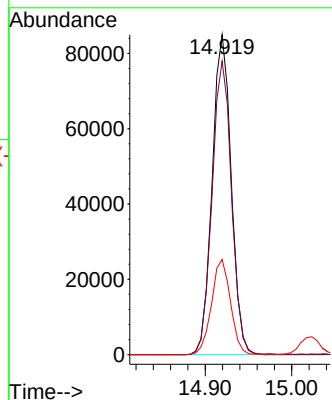
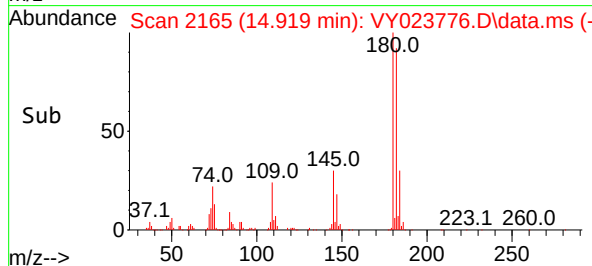
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



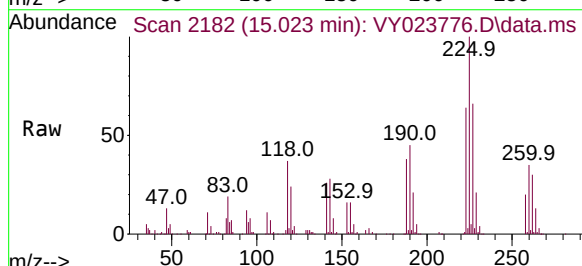
Tgt Ion:180 Resp: 130145
Ion Ratio Lower Upper
180 100
182 93.5 47.5 142.6
145 29.7 14.4 43.4

Manual Integrations
APPROVED

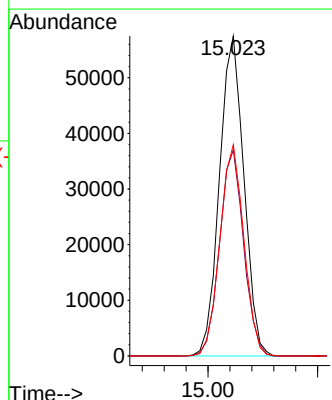
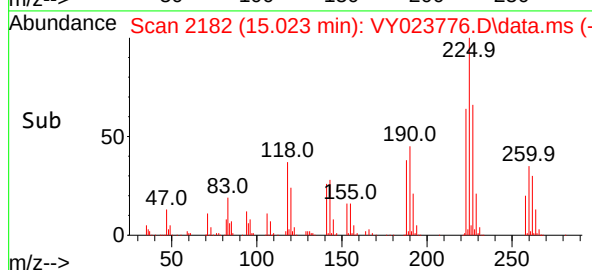
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

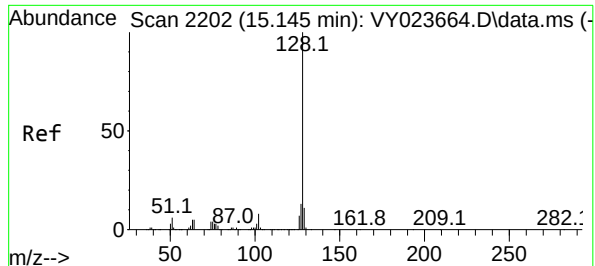


#94
Hexachlorobutadiene
Concen: 19.303 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023776.D
Acq: 13 Nov 2025 10:46



Tgt Ion:225 Resp: 89012
Ion Ratio Lower Upper
225 100
223 63.2 30.8 92.3
227 64.7 32.0 96.2





#95

Naphthalene

Concen: 18.413 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:128 Resp: 18084

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

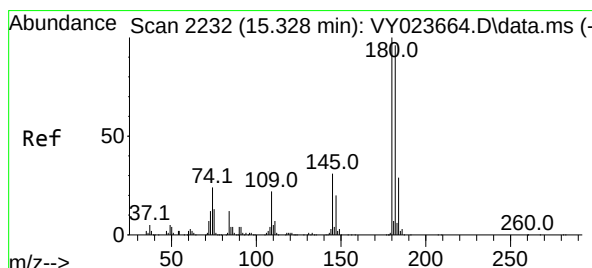
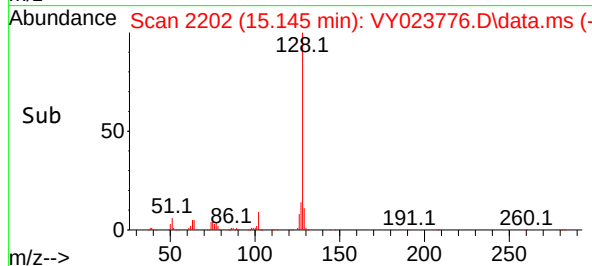
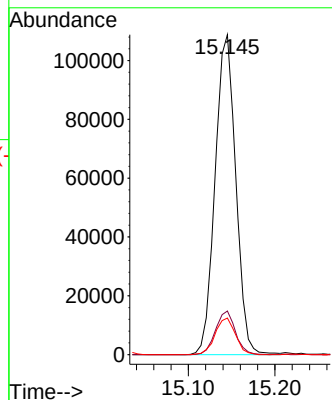
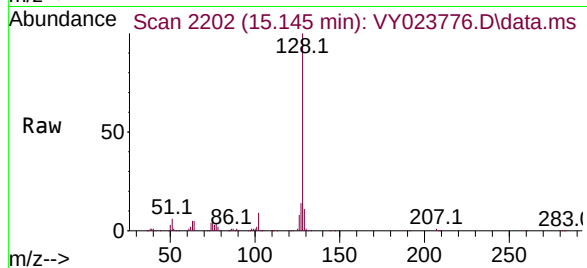
129 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.082 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023776.D

Acq: 13 Nov 2025 10:46

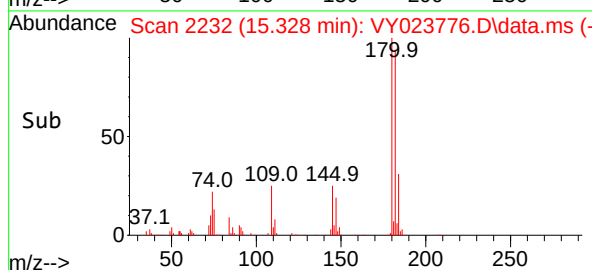
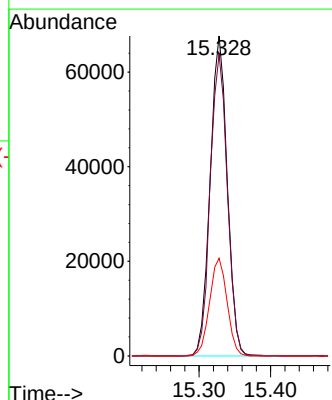
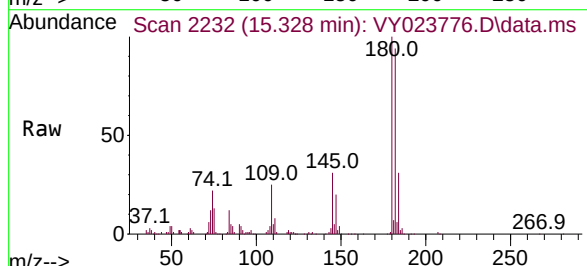
Tgt Ion:180 Resp: 112209

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.6

145 31.2 15.5 46.5



Report of Analysis

Client: ENTACT
 Project: Whittaker Coatings Site – E9125B
 Client Sample ID: VY1113SBSD01
 Lab Sample ID: VY1113SBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3618
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.9		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
74-87-3	Chloromethane	20.2		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
75-01-4	Vinyl Chloride	19.4		1	0.79	5.00	ug/Kg	11/13/25 11:09	VY111325
74-83-9	Bromomethane	18.6		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
75-00-3	Chloroethane	18.9		1	1.30	5.00	ug/Kg	11/13/25 11:09	VY111325
75-69-4	Trichlorofluoromethane	20.1		1	1.20	5.00	ug/Kg	11/13/25 11:09	VY111325
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
75-35-4	1,1-Dichloroethene	20.4		1	1.00	5.00	ug/Kg	11/13/25 11:09	VY111325
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/13/25 11:09	VY111325
75-15-0	Carbon Disulfide	20.5		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
1634-04-4	Methyl tert-butyl Ether	19.4		1	0.73	5.00	ug/Kg	11/13/25 11:09	VY111325
79-20-9	Methyl Acetate	15.6		1	1.50	5.00	ug/Kg	11/13/25 11:09	VY111325
75-09-2	Methylene Chloride	20.3		1	3.50	10.0	ug/Kg	11/13/25 11:09	VY111325
156-60-5	trans-1,2-Dichloroethene	20.5		1	0.86	5.00	ug/Kg	11/13/25 11:09	VY111325
75-34-3	1,1-Dichloroethane	20.9		1	0.80	5.00	ug/Kg	11/13/25 11:09	VY111325
110-82-7	Cyclohexane	21.0		1	0.79	5.00	ug/Kg	11/13/25 11:09	VY111325
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/13/25 11:09	VY111325
56-23-5	Carbon Tetrachloride	20.3		1	0.97	5.00	ug/Kg	11/13/25 11:09	VY111325
156-59-2	cis-1,2-Dichloroethene	20.1		1	0.75	5.00	ug/Kg	11/13/25 11:09	VY111325
74-97-5	Bromochloromethane	21.1		1	1.20	5.00	ug/Kg	11/13/25 11:09	VY111325
67-66-3	Chloroform	20.5		1	0.84	5.00	ug/Kg	11/13/25 11:09	VY111325
71-55-6	1,1,1-Trichloroethane	20.6		1	0.93	5.00	ug/Kg	11/13/25 11:09	VY111325
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	11/13/25 11:09	VY111325
71-43-2	Benzene	20.6		1	0.79	5.00	ug/Kg	11/13/25 11:09	VY111325
107-06-2	1,2-Dichloroethane	19.5		1	0.79	5.00	ug/Kg	11/13/25 11:09	VY111325
79-01-6	Trichloroethene	19.3		1	0.81	5.00	ug/Kg	11/13/25 11:09	VY111325
78-87-5	1,2-Dichloropropane	20.6		1	0.91	5.00	ug/Kg	11/13/25 11:09	VY111325
75-27-4	Bromodichloromethane	20.3		1	0.78	5.00	ug/Kg	11/13/25 11:09	VY111325
108-10-1	4-Methyl-2-Pentanone	97.3		1	3.60	25.0	ug/Kg	11/13/25 11:09	VY111325
108-88-3	Toluene	20.6		1	0.78	5.00	ug/Kg	11/13/25 11:09	VY111325
10061-02-6	t-1,3-Dichloropropene	19.6		1	0.65	5.00	ug/Kg	11/13/25 11:09	VY111325
10061-01-5	cis-1,3-Dichloropropene	19.9		1	0.62	5.00	ug/Kg	11/13/25 11:09	VY111325
79-00-5	1,1,2-Trichloroethane	19.7		1	0.92	5.00	ug/Kg	11/13/25 11:09	VY111325
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/13/25 11:09	VY111325
124-48-1	Dibromochloromethane	19.4		1	0.87	5.00	ug/Kg	11/13/25 11:09	VY111325
106-93-4	1,2-Dibromoethane	19.2		1	0.88	5.00	ug/Kg	11/13/25 11:09	VY111325
127-18-4	Tetrachloroethene	19.1		1	1.10	5.00	ug/Kg	11/13/25 11:09	VY111325
108-90-7	Chlorobenzene	19.9		1	0.91	5.00	ug/Kg	11/13/25 11:09	VY111325
100-41-4	Ethyl Benzene	20.1		1	0.67	5.00	ug/Kg	11/13/25 11:09	VY111325
179601-23-1	m/p-Xylenes	40.7		1	1.20	10.0	ug/Kg	11/13/25 11:09	VY111325
95-47-6	o-Xylene	19.7		1	0.82	5.00	ug/Kg	11/13/25 11:09	VY111325
100-42-5	Styrene	20.0		1	0.71	5.00	ug/Kg	11/13/25 11:09	VY111325
75-25-2	Bromoform	18.9		1	0.86	5.00	ug/Kg	11/13/25 11:09	VY111325

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	Whittaker Coatings Site – E9125B	Date Received:	
Client Sample ID:	VY1113SBSD01	SDG No.:	Q3618
Lab Sample ID:	VY1113SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	5.00	ug/Kg	11/13/25 11:09	VY111325
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	1.20	5.00	ug/Kg	11/13/25 11:09	VY111325
541-73-1	1,3-Dichlorobenzene	19.8		1	1.70	5.00	ug/Kg	11/13/25 11:09	VY111325
106-46-7	1,4-Dichlorobenzene	19.7		1	1.60	5.00	ug/Kg	11/13/25 11:09	VY111325
95-50-1	1,2-Dichlorobenzene	19.6		1	1.50	5.00	ug/Kg	11/13/25 11:09	VY111325
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1	1.80	5.00	ug/Kg	11/13/25 11:09	VY111325
120-82-1	1,2,4-Trichlorobenzene	22.3		1	3.00	5.00	ug/Kg	11/13/25 11:09	VY111325
87-61-6	1,2,3-Trichlorobenzene	23.5		1	3.20	5.00	ug/Kg	11/13/25 11:09	VY111325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.8			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.6			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	52.9			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.2			52 - 138	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	571000							
540-36-3	1,4-Difluorobenzene	855000							
3114-55-4	Chlorobenzene-d5	745000							
3855-82-1	1,4-Dichlorobenzene-d4	371000							

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\VY111325\
 Data File : VY023777.D
 Acq On : 13 Nov 2025 11:09
 Operator : SY/MD
 Sample : VY1113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	571249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	854908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	744787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252195	51.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.520%			
35) Dibromofluoromethane	7.634	113	275464	51.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.103	98	1051858	52.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.402	95	342483	53.214	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	82044	21.880	ug/l	99
3) Chloromethane	2.074	50	105950	20.191	ug/l	99
4) Vinyl Chloride	2.208	62	132501	19.405	ug/l	97
5) Bromomethane	2.592	94	106704	18.578	ug/l	98
6) Chloroethane	2.733	64	89145	18.890	ug/l	98
7) Trichlorofluoromethane	3.056	101	193519	20.123	ug/l	97
8) Diethyl Ether	3.458	74	50893	19.735	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	112004	21.139	ug/l	99
10) Methyl Iodide	4.007	142	112238	17.939	ug/l	99
11) Tert butyl alcohol	4.848	59	39520	125.779	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	104144	20.405	ug/l	94
13) Acrolein	3.653	56	31573	78.180	ug/l	97
14) Allyl chloride	4.385	41	128784	20.730	ug/l	95
15) Acrylonitrile	5.061	53	99415	100.875	ug/l	99
16) Acetone	3.866	43	133888	110.538	ug/l	96
17) Carbon Disulfide	4.104	76	321723	20.538	ug/l	99
18) Methyl Acetate	4.385	43	41752	15.628	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	229916	19.427	ug/l	99
20) Methylene Chloride	4.616	84	118437	20.255	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	118069	20.517	ug/l	97
22) Diisopropyl ether	6.019	45	296346	21.408	ug/l	96
23) Vinyl Acetate	5.964	43	773184	104.667	ug/l	100
24) 1,1-Dichloroethane	5.915	63	192988	20.927	ug/l	99
25) 2-Butanone	6.896	43	148847	106.288	ug/l	99
26) 2,2-Dichloropropane	6.884	77	177700	20.948	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	132037	20.089	ug/l	98
28) Bromochloromethane	7.244	49	74503	21.100	ug/l	94
29) Tetrahydrofuran	7.262	42	72197	96.803	ug/l	98
30) Chloroform	7.421	83	211322	20.538	ug/l	99
31) Cyclohexane	7.701	56	168746	21.012	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	189251	20.580	ug/l	100
36) 1,1-Dichloropropene	7.835	75	147160	20.613	ug/l	99
37) Ethyl Acetate	6.982	43	55692	20.151	ug/l	99
38) Carbon Tetrachloride	7.817	117	171022	20.332	ug/l	97
39) Methylcyclohexane	9.109	83	180758	19.816	ug/l	96
40) Benzene	8.079	78	464263	20.631	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023777.D
 Acq On : 13 Nov 2025 11:09
 Operator : SY/MD
 Sample : VY1113SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25322m	16.786	ug/l	
42) 1,2-Dichloroethane	8.152	62	111254	19.542	ug/l	99
43) Isopropyl Acetate	8.195	43	99669	19.194	ug/l	99
44) Trichloroethene	8.866	130	124906	19.325	ug/l	96
45) 1,2-Dichloropropane	9.140	63	102474	20.633	ug/l	99
46) Dibromomethane	9.231	93	59853	19.450	ug/l	97
47) Bromodichloromethane	9.420	83	157413	20.289	ug/l	98
48) Methyl methacrylate	9.219	41	46318	18.879	ug/l	96
49) 1,4-Dioxane	9.231	88	12032	382.065	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	268785	97.332	ug/l	99
52) Toluene	10.170	92	296348	20.627	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	128802	19.620	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	156760	19.931	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	81084	19.717	ug/l	96
56) Ethyl methacrylate	10.438	69	85612	18.895	ug/l	100
57) 1,3-Dichloropropane	10.713	76	129649	19.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	204228	98.226	ug/l	98
59) 2-Hexanone	10.762	43	203510	101.011	ug/l	99
60) Dibromochloromethane	10.908	129	109344	19.351	ug/l	100
61) 1,2-Dibromoethane	11.012	107	74118	19.205	ug/l	100
64) Tetrachloroethene	10.646	164	147823	19.069	ug/l	98
65) Chlorobenzene	11.438	112	323200	19.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112867	19.686	ug/l	99
67) Ethyl Benzene	11.518	91	527652	20.107	ug/l	97
68) m/p-Xylenes	11.627	106	426889	40.716	ug/l	99
69) o-Xylene	11.950	106	191040	19.711	ug/l	97
70) Styrene	11.969	104	319808	19.999	ug/l	99
71) Bromoform	12.127	173	63439	18.945	ug/l #	98
73) Isopropylbenzene	12.255	105	503084	20.296	ug/l	100
74) N-amyl acetate	12.066	43	83057	19.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	80572	20.353	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	57357m	19.123	ug/l	
77) Bromobenzene	12.530	156	127235	19.789	ug/l	95
78) n-propylbenzene	12.591	91	605532	20.769	ug/l	99
79) 2-Chlorotoluene	12.676	91	350932	20.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	415196	20.617	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	24733	18.636	ug/l	99
82) 4-Chlorotoluene	12.773	91	361606	20.725	ug/l	99
83) tert-Butylbenzene	12.993	119	365003	19.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	409365	20.523	ug/l	100
85) sec-Butylbenzene	13.176	105	538142	20.341	ug/l	100
86) p-Isopropyltoluene	13.292	119	449740	20.081	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	251073	19.840	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	245279	19.732	ug/l	98
89) n-Butylbenzene	13.615	91	397748	20.424	ug/l	99
90) Hexachloroethane	13.877	117	100331	20.846	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	213329	19.562	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12030	19.736	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	139193	22.314	ug/l	98
94) Hexachlorobutadiene	15.023	225	96394	23.585	ug/l	100
95) Naphthalene	15.139	128	202867	21.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	122243	23.455	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023777.D
Acq On : 13 Nov 2025 11:09
Operator : SY/MD
Sample : VY1113SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:24:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

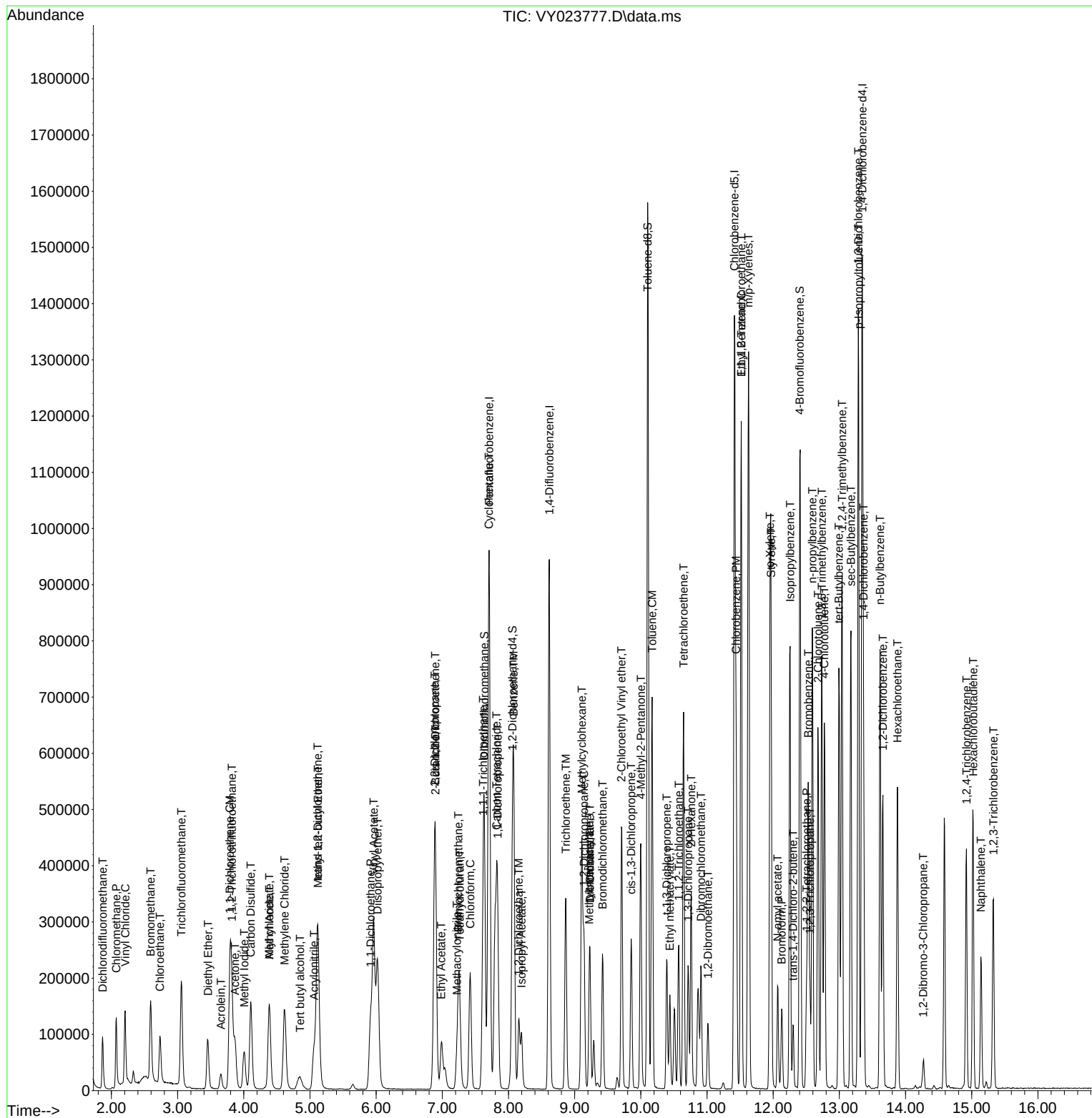
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Sample : VY11135BSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

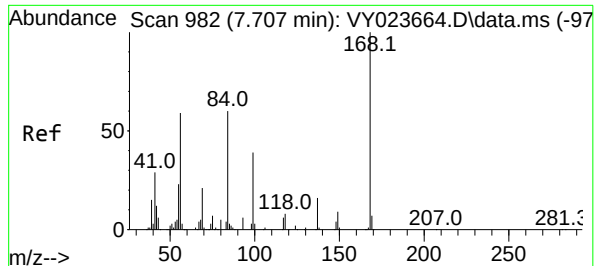
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Manual Integrations

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:24:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





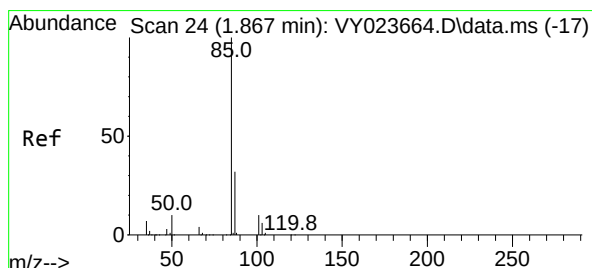
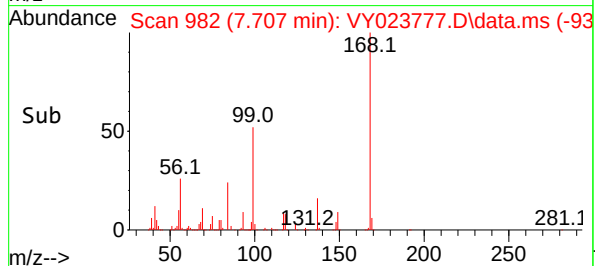
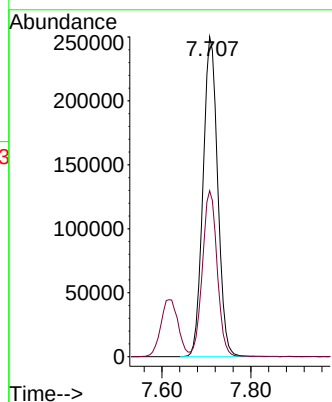
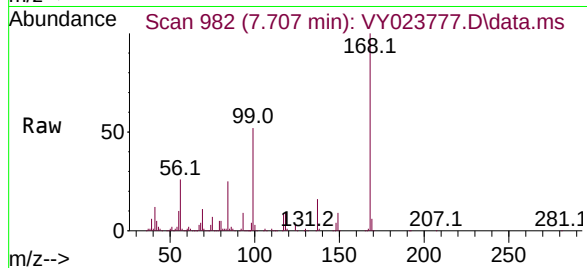
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Tgt Ion:168 Resp: 571249
Ion Ratio Lower Upper
168 100
99 51.8 41.0 61.4

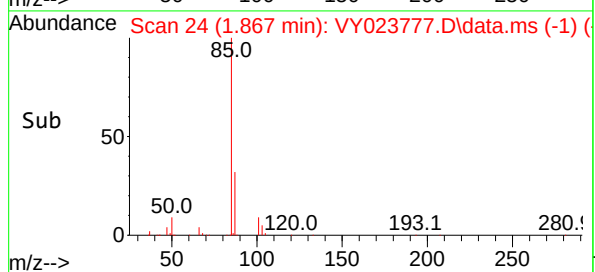
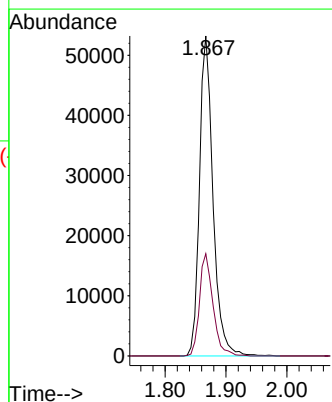
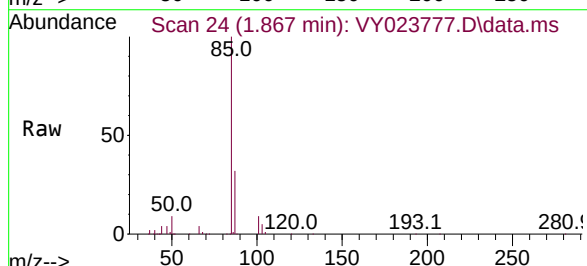
Manual Integrations
APPROVED

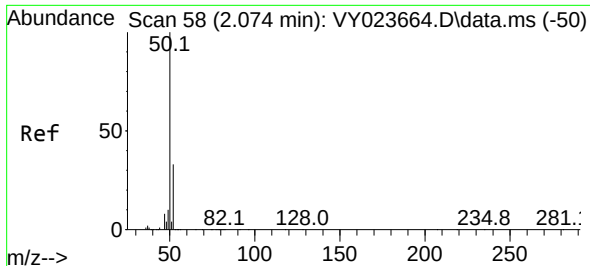
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 21.880 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

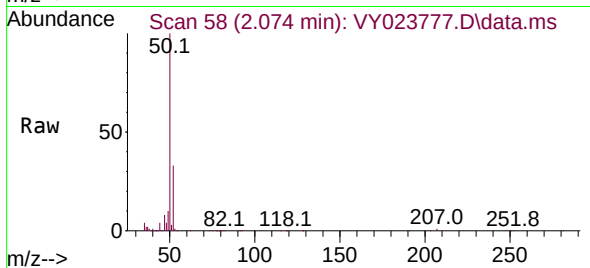
Tgt Ion: 85 Resp: 82044
Ion Ratio Lower Upper
85 100
87 31.9 16.2 48.6





#3
Chloromethane
Concen: 20.191 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

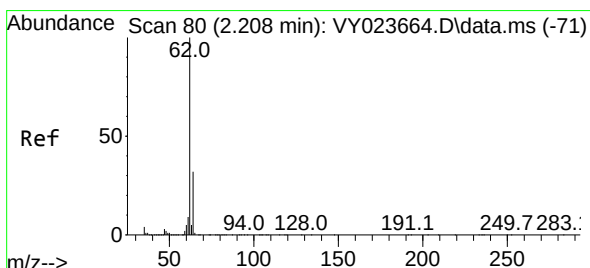
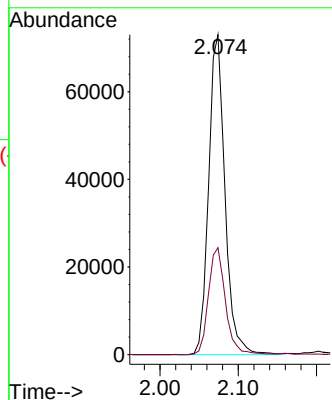
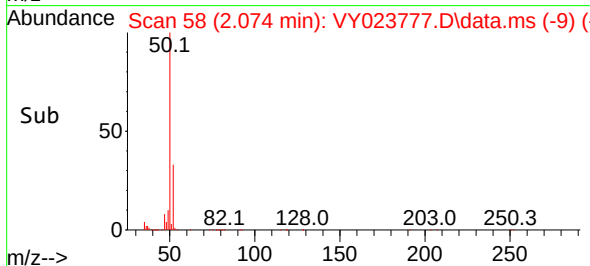
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



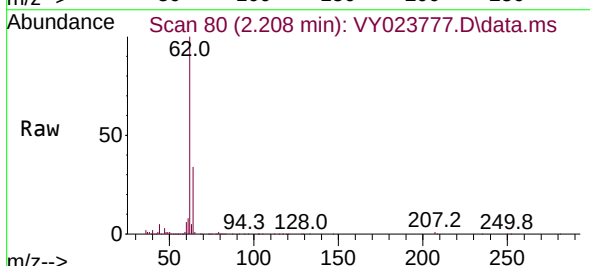
Tgt Ion: 50 Resp: 105950
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7

Manual Integrations
APPROVED

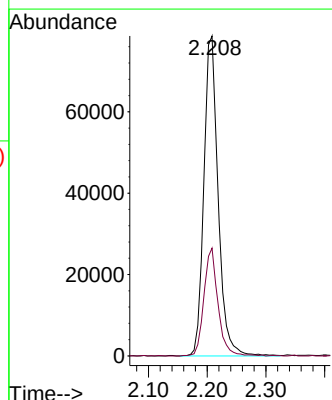
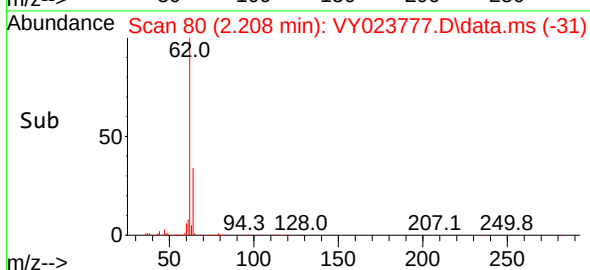
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

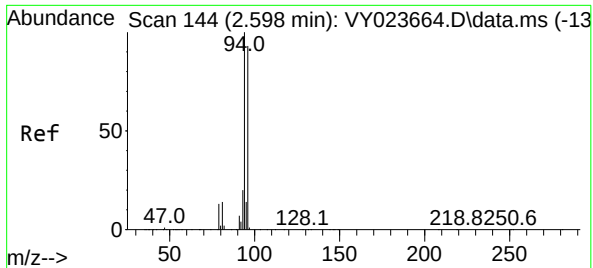


#4
Vinyl Chloride
Concen: 19.405 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



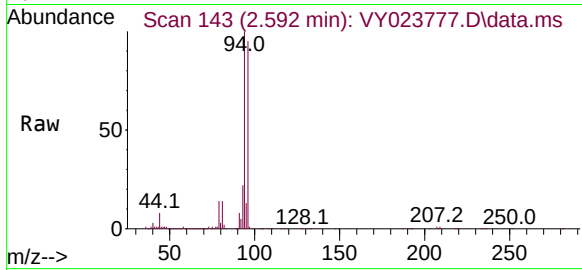
Tgt Ion: 62 Resp: 132501
Ion Ratio Lower Upper
62 100
64 33.7 25.7 38.5





#5
Bromomethane
Concen: 18.578 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

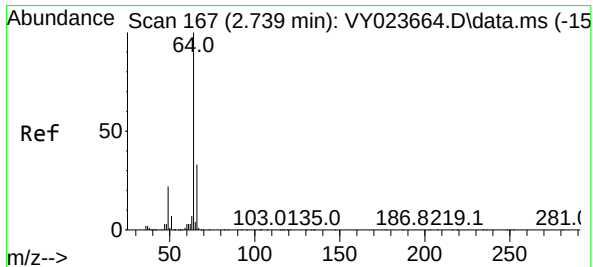
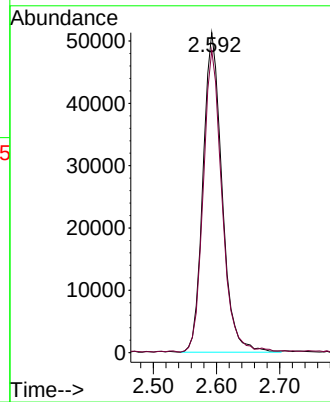
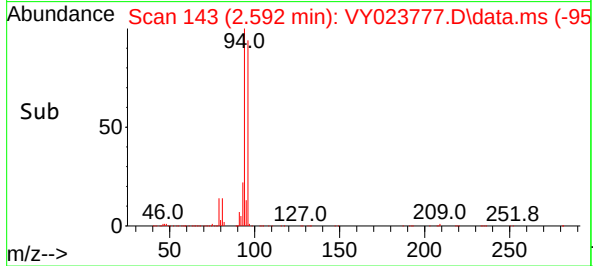
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



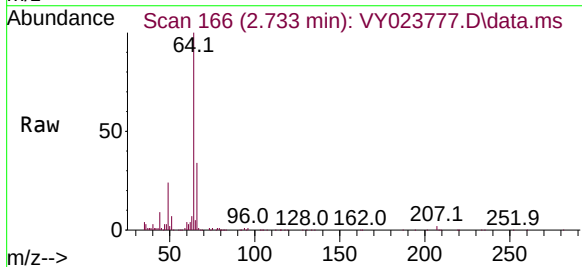
Tgt Ion: 94 Resp: 106704
Ion Ratio Lower Upper
94 100
96 94.5 74.4 111.6

Manual Integrations
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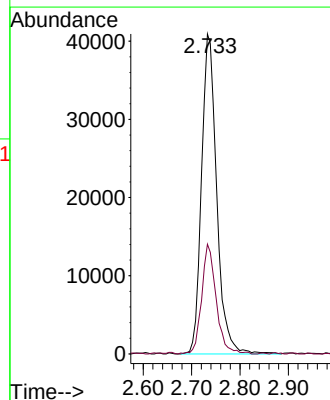
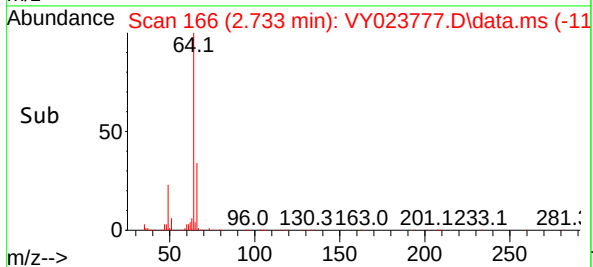
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

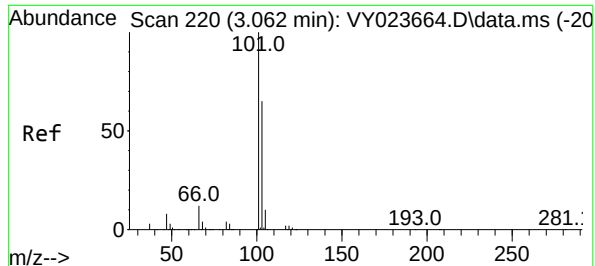


#6
Chloroethane
Concen: 18.890 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



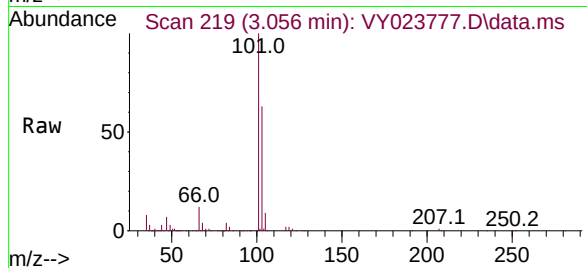
Tgt Ion: 64 Resp: 89145
Ion Ratio Lower Upper
64 100
66 34.0 26.2 39.4





#7
Trichlorofluoromethane
Concen: 20.123 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

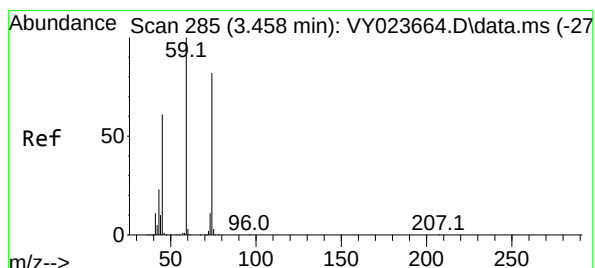
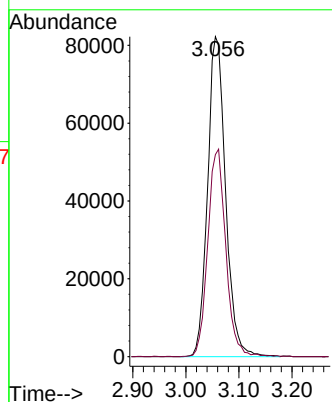
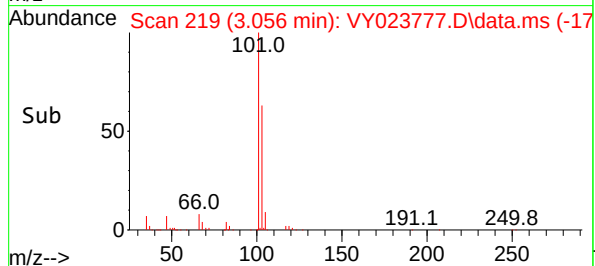
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MSVOA_Y
ClientSampleId :
VY1113SBSD01



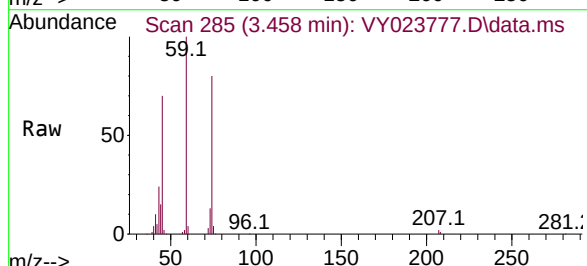
Tgt Ion:101 Resp: 193519
Ion Ratio Lower Upper
101 100
103 63.1 52.1 78.1

Manual Integrations
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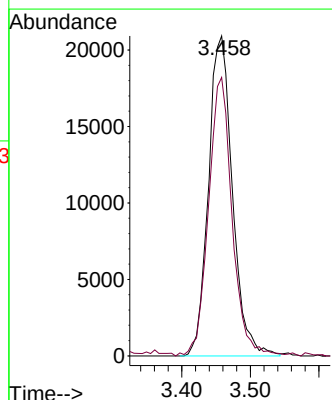
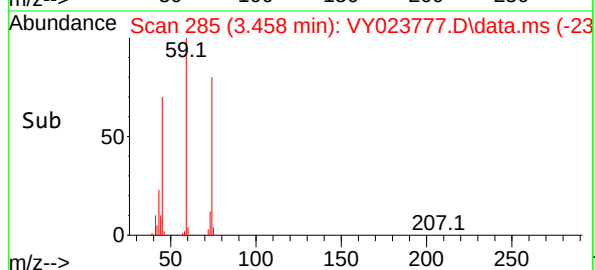
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

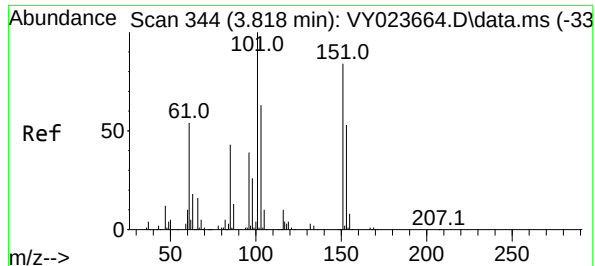


#8
Diethyl Ether
Concen: 19.735 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



Tgt Ion: 74 Resp: 50893
Ion Ratio Lower Upper
74 100
45 85.5 40.6 121.7





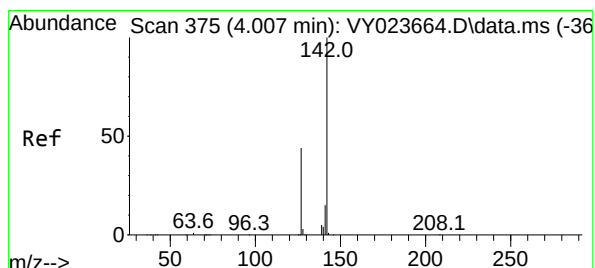
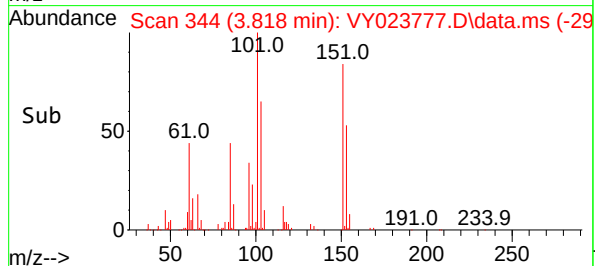
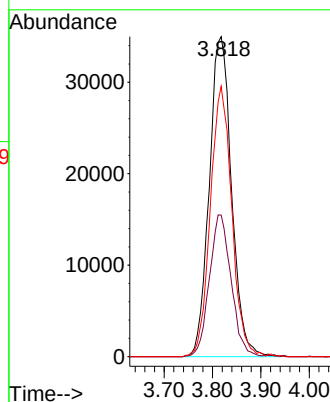
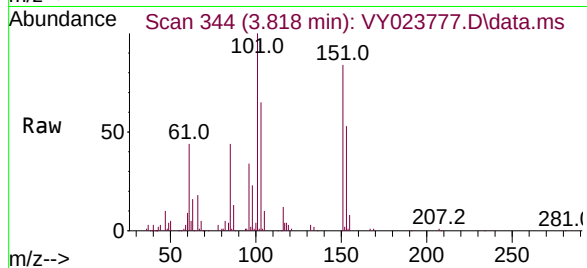
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.139 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion:101 Resp: 112004
Ion Ratio Lower Upper
101 100
85 43.1 34.4 51.6
151 81.2 65.6 98.4

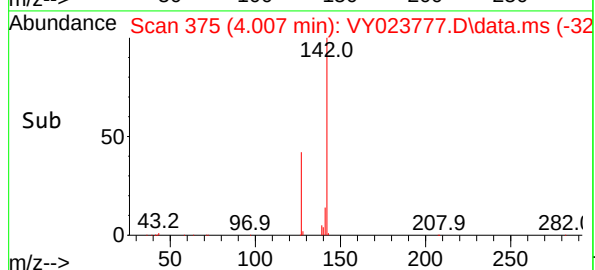
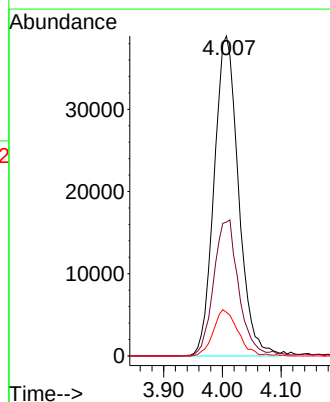
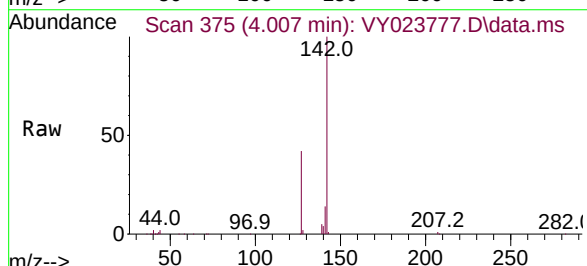
Manual Integrations
APPROVED

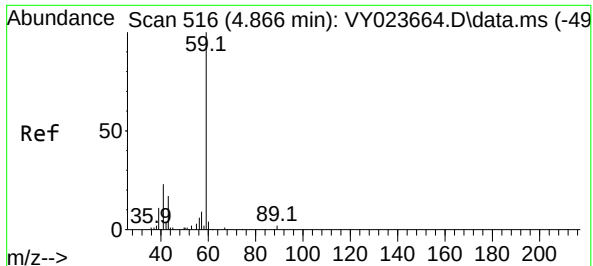
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 17.939 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion:142 Resp: 112238
Ion Ratio Lower Upper
142 100
127 44.0 34.6 51.8
141 14.6 11.6 17.4





#11

Tert butyl alcohol

Concen: 125.779 ug/l

RT: 4.848 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 59 Resp: 39520

Ion Ratio Lower Upper

59 100

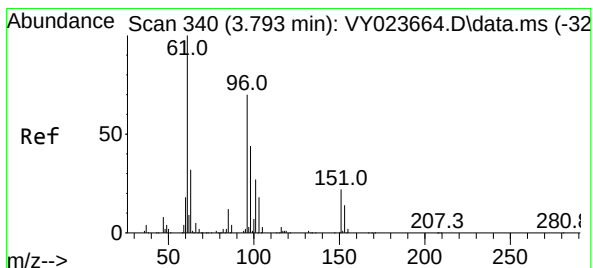
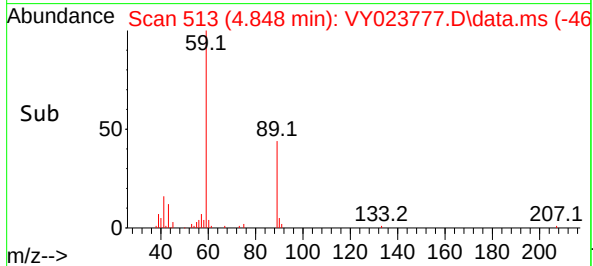
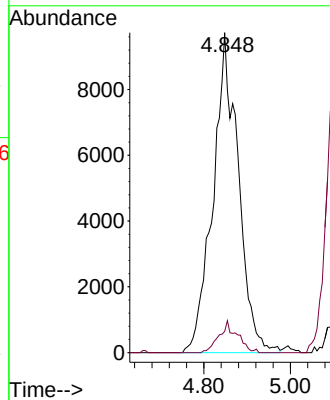
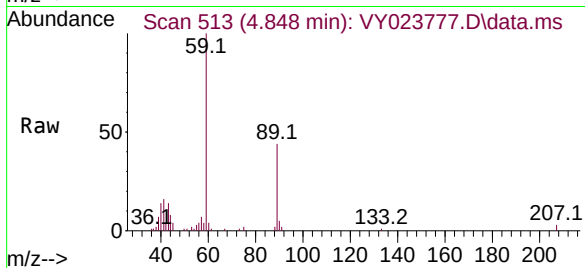
57 7.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#12

1,1-Dichloroethene

Concen: 20.405 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

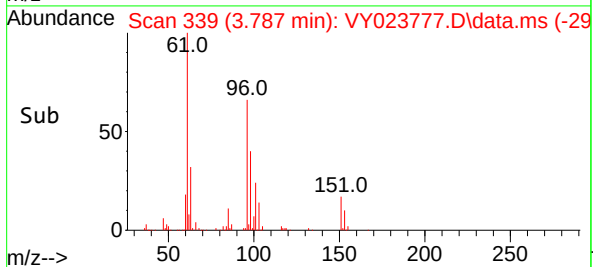
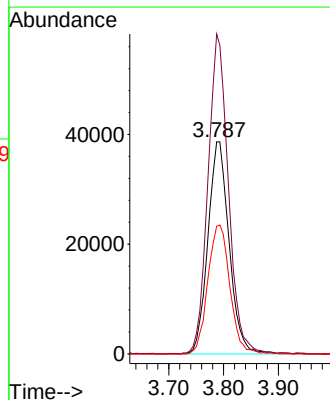
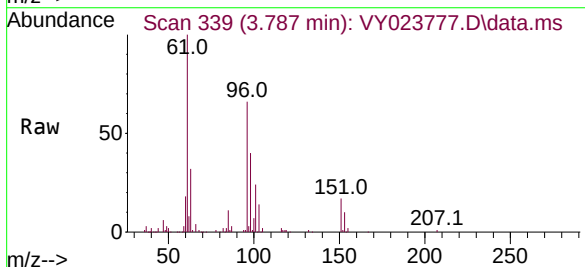
Tgt Ion: 96 Resp: 104144

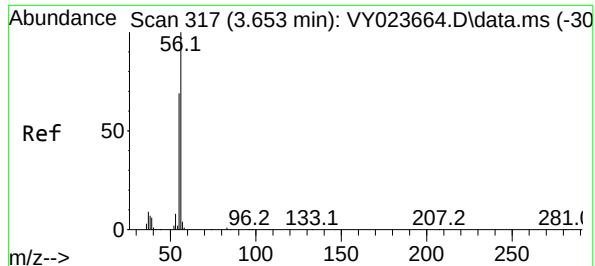
Ion Ratio Lower Upper

96 100

61 150.9 114.0 171.0

98 60.3 50.2 75.2





#13

Acrolein

Concen: 78.180 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 56 Resp: 31573

Ion Ratio Lower Upper

56 100

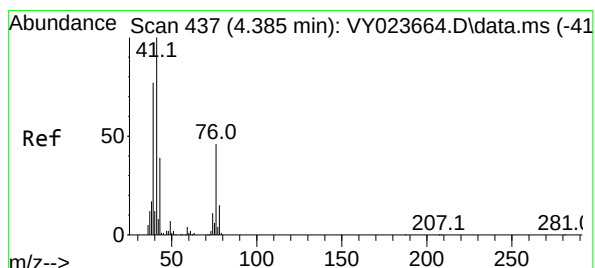
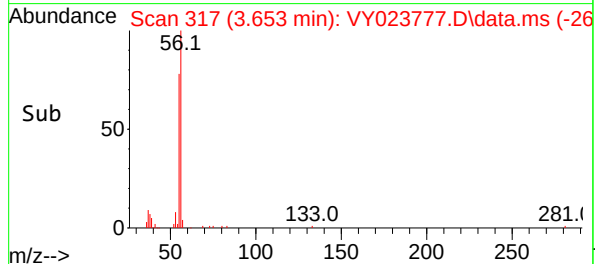
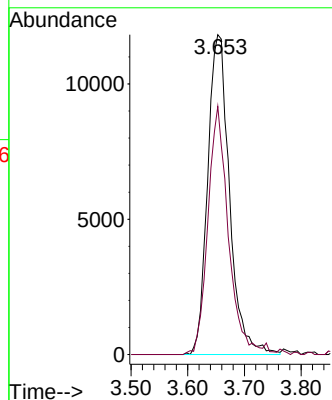
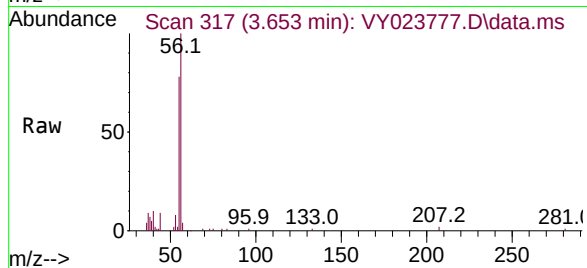
55 73.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#14

Allyl chloride

Concen: 20.730 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

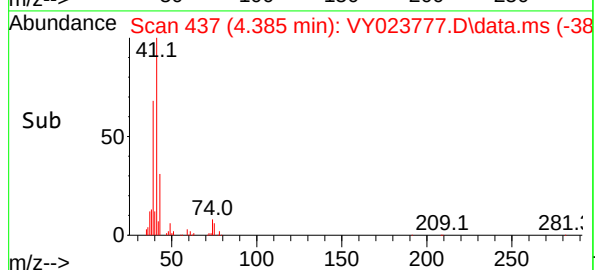
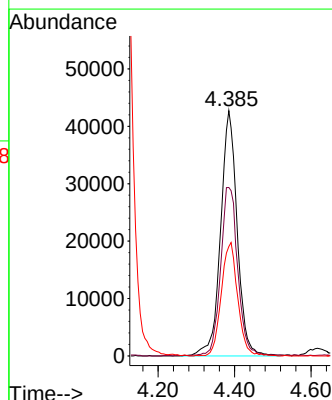
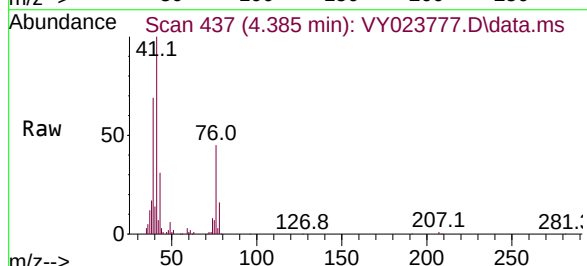
Tgt Ion: 41 Resp: 128784

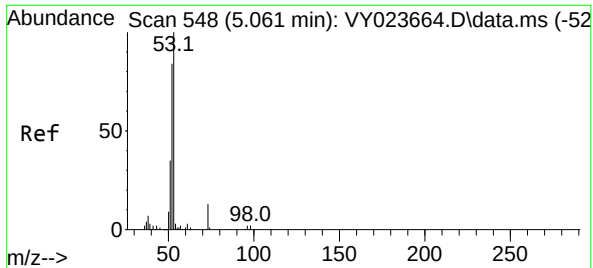
Ion Ratio Lower Upper

41 100

39 70.5 60.4 90.6

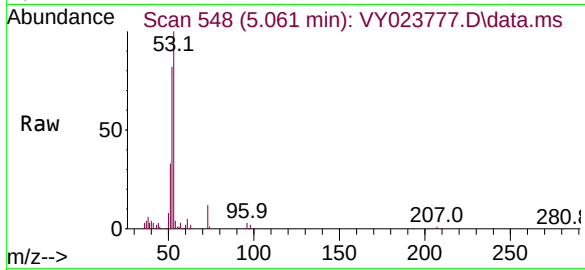
76 45.6 38.0 57.0





#15
Acrylonitrile
Concen: 100.875 ug/l
RT: 5.061 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

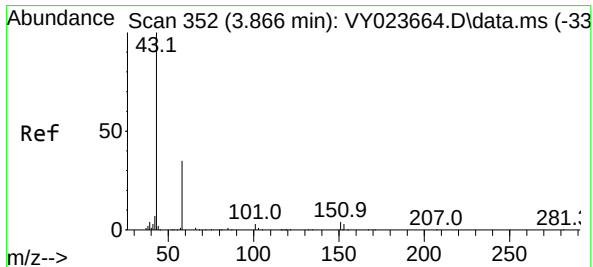
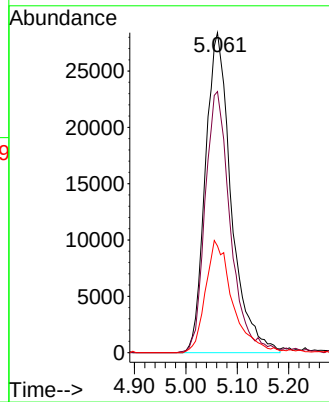
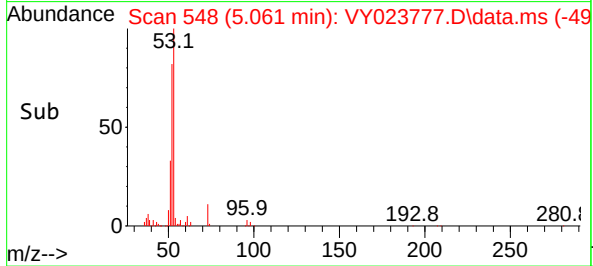
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



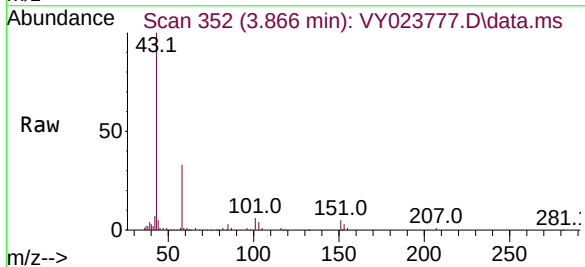
Tgt Ion: 53 Resp: 99415
Ion Ratio Lower Upper
53 100
52 79.6 64.9 97.3
51 36.7 29.4 44.0

Manual Integrations
APPROVED

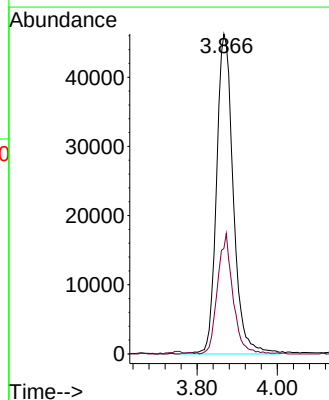
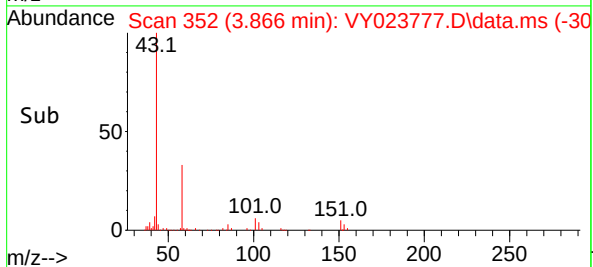
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

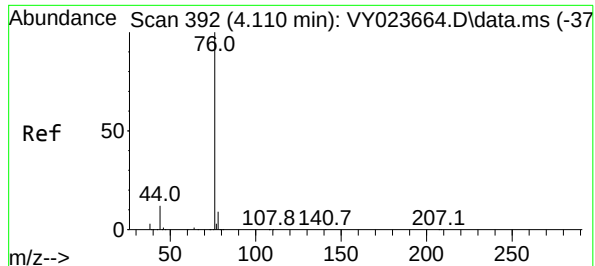


#16
Acetone
Concen: 110.538 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



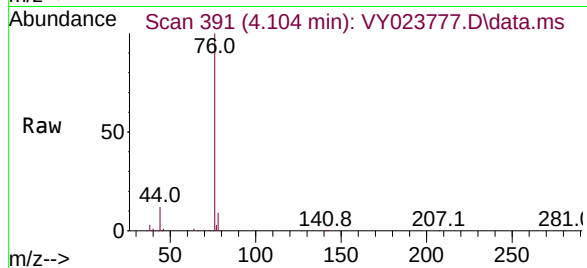
Tgt Ion: 43 Resp: 133888
Ion Ratio Lower Upper
43 100
58 32.8 28.2 42.4





#17
Carbon Disulfide
Concen: 20.538 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

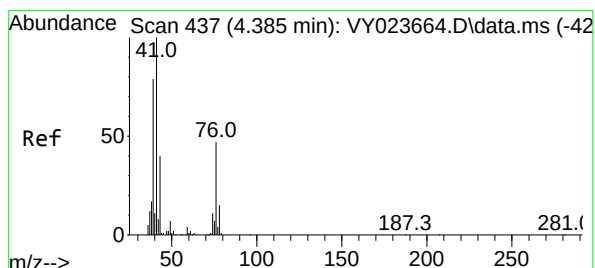
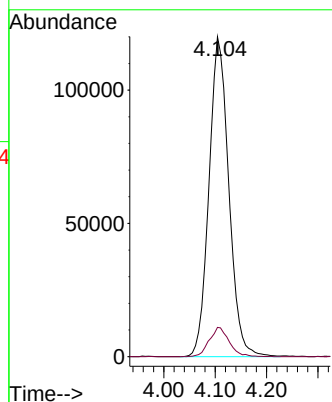
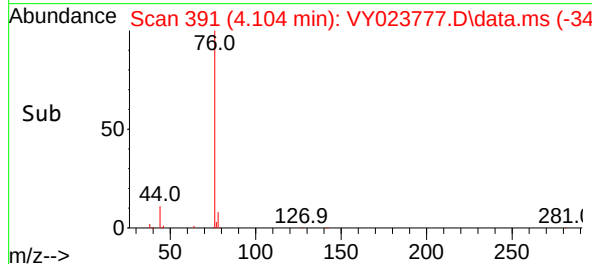
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



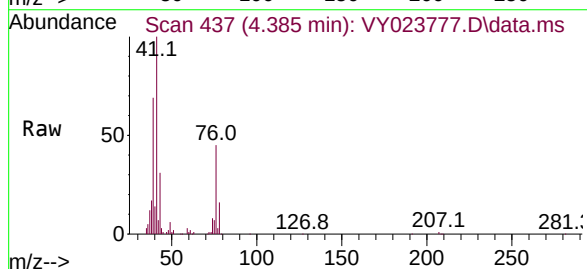
Tgt Ion: 76 Resp: 321723
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

Manual Integrations
APPROVED

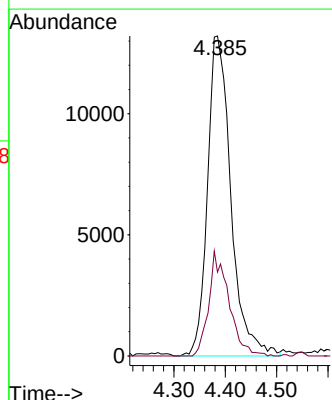
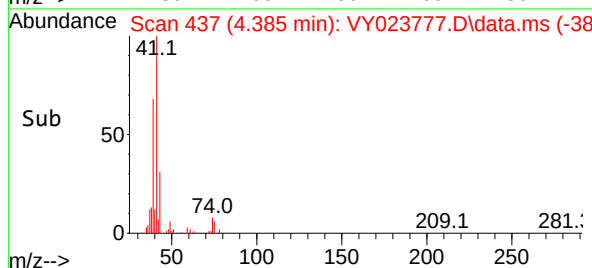
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

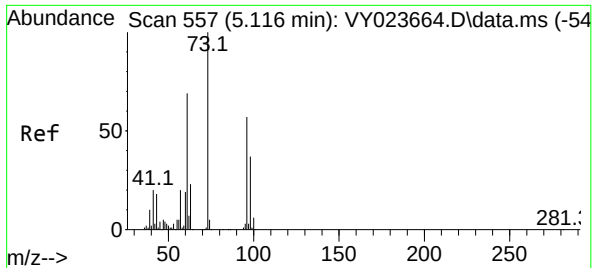


#18
Methyl Acetate
Concen: 15.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



Tgt Ion: 43 Resp: 41752
Ion Ratio Lower Upper
43 100
74 28.3 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 19.427 ug/l

RT: 5.122 min Scan# 558

Delta R.T. 0.006 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 73 Resp: 229916

Ion Ratio Lower Upper

73 100

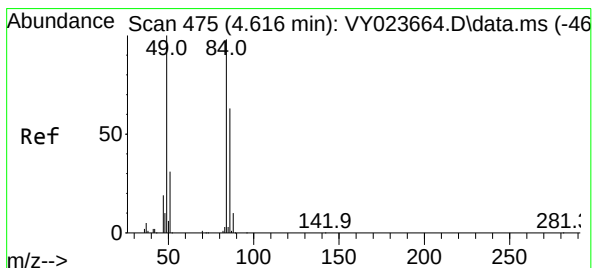
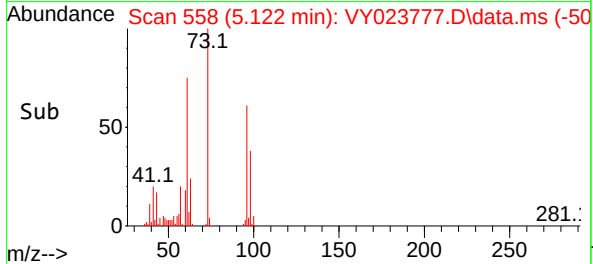
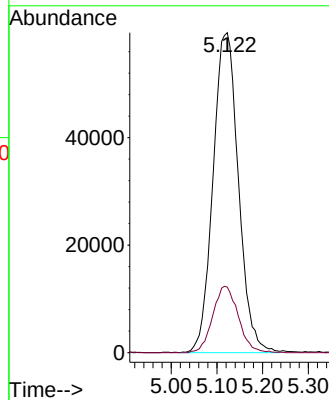
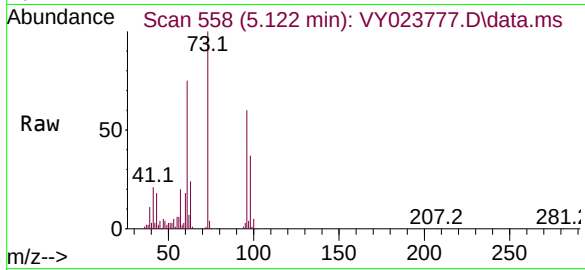
57 20.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#20

Methylene Chloride

Concen: 20.255 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Tgt Ion: 84 Resp: 118437

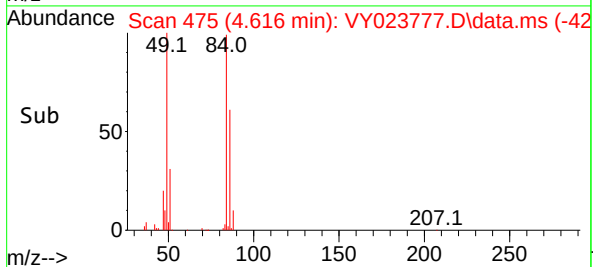
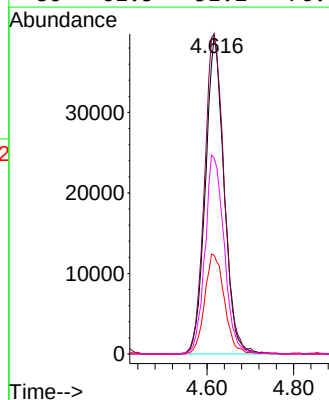
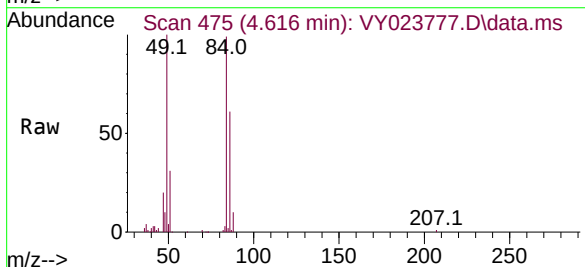
Ion Ratio Lower Upper

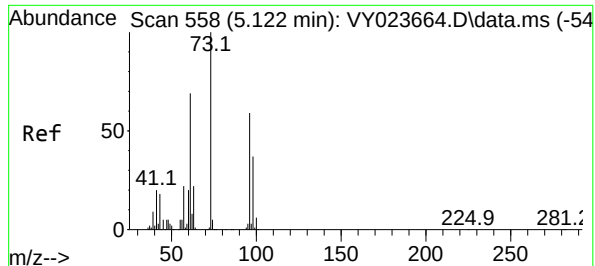
84 100

49 100.5 81.5 122.3

51 31.0 25.5 38.3

86 61.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.517 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 96 Resp: 118069

Ion Ratio Lower Upper

96 100

61 121.3 93.3 139.9

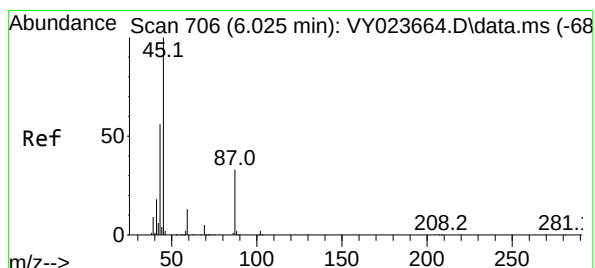
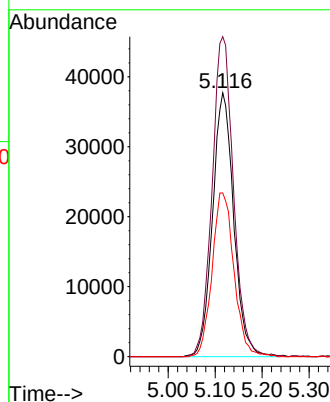
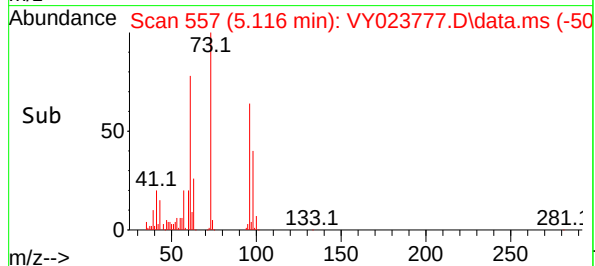
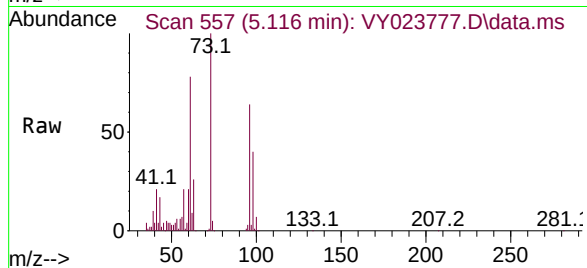
98 62.1 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#22

Diisopropyl ether

Concen: 21.408 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Tgt Ion: 45 Resp: 296346

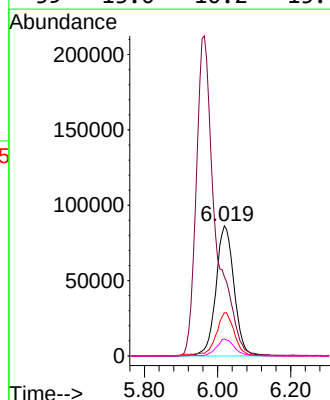
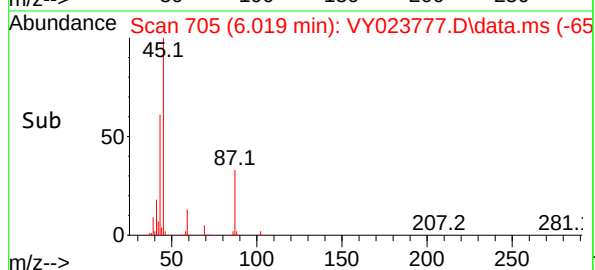
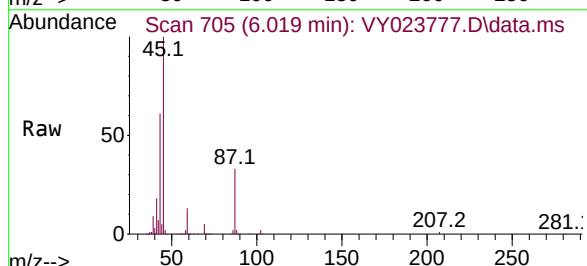
Ion Ratio Lower Upper

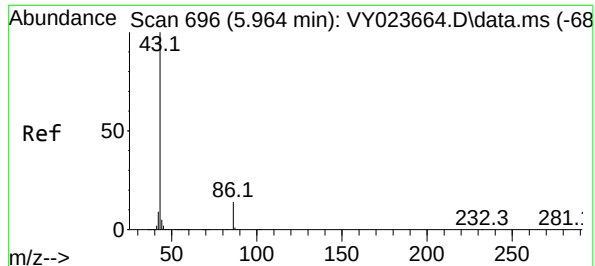
45 100

43 60.7 44.7 67.1

87 33.2 27.2 40.8

59 13.0 10.2 15.4





#23

Vinyl Acetate

Concen: 104.667 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 773184

Ion Ratio Lower Upper

43

100

86

13.4

10.9

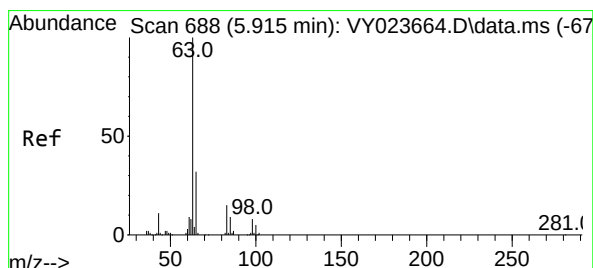
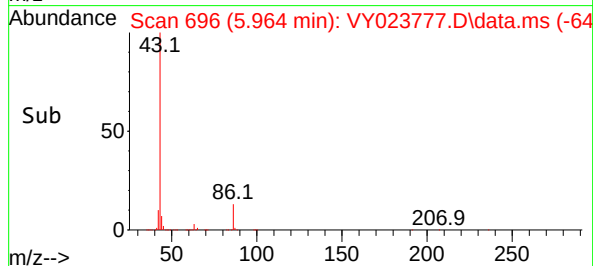
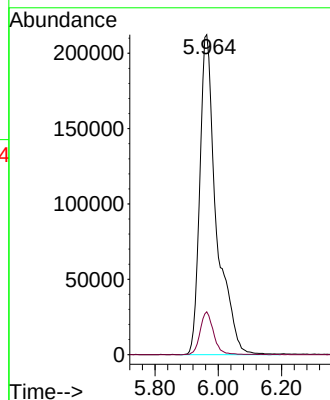
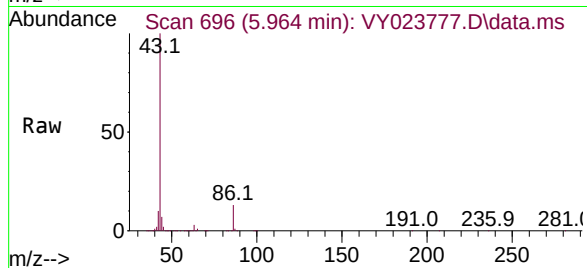
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#24

1,1-Dichloroethane

Concen: 20.927 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Tgt Ion: 63 Resp: 192988

Ion Ratio Lower Upper

63

100

98

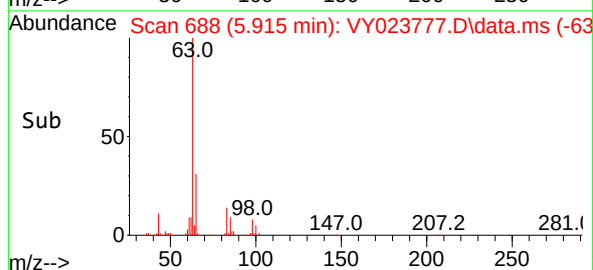
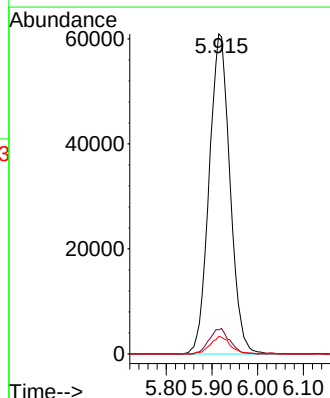
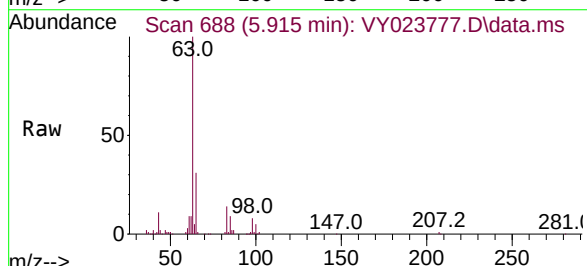
7.5

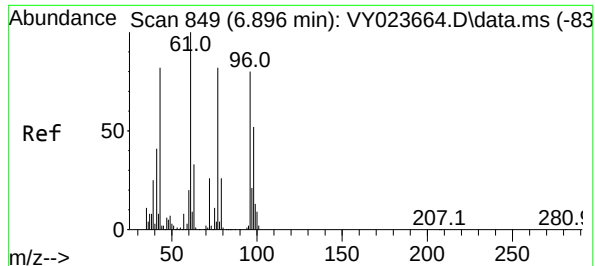
100

5.5

2.6

7.8





#25

2-Butanone

Concen: 106.288 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 43 Resp: 14884

Ion Ratio Lower Upper

43 100

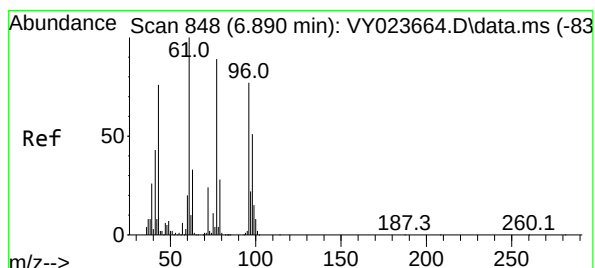
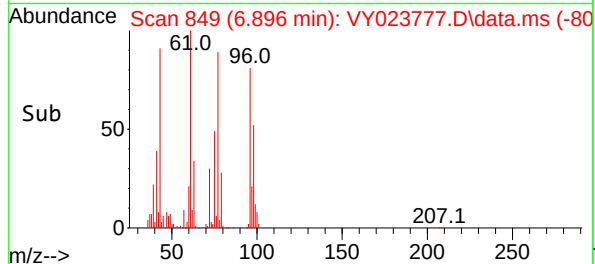
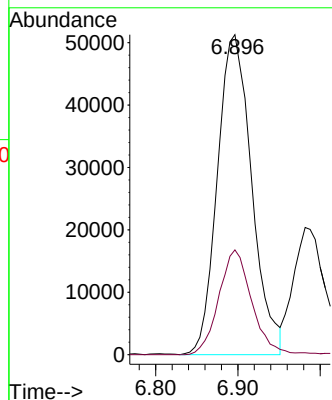
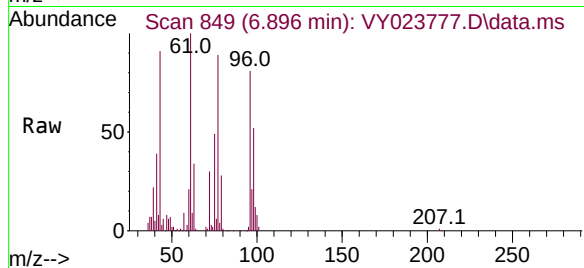
72 32.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#26

2,2-Dichloropropane

Concen: 20.948 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023777.D

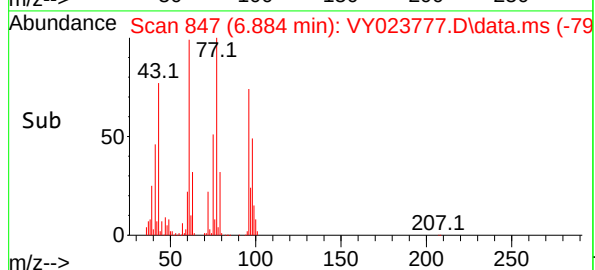
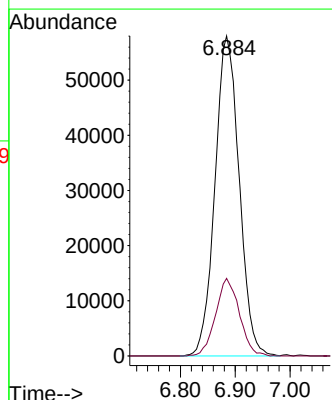
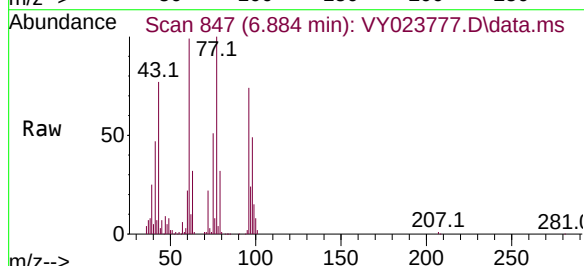
Acq: 13 Nov 2025 11:09

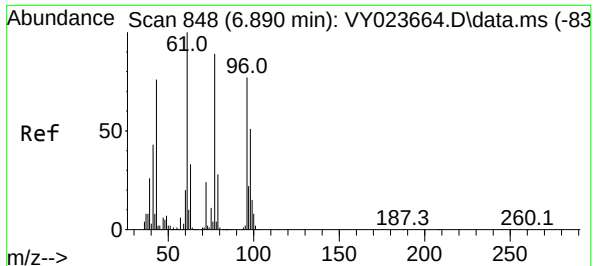
Tgt Ion: 77 Resp: 177700

Ion Ratio Lower Upper

77 100

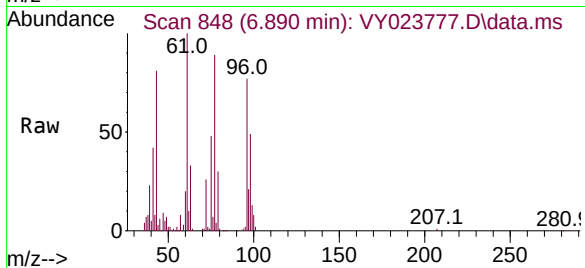
97 23.7 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 20.089 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY023777.D
 Acq: 13 Nov 2025 11:09

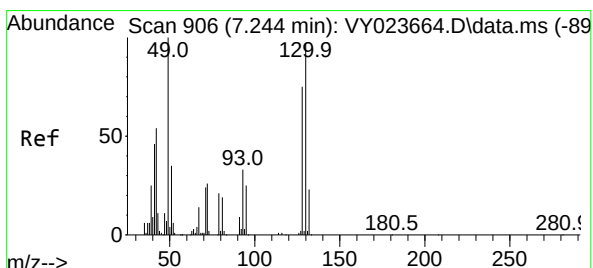
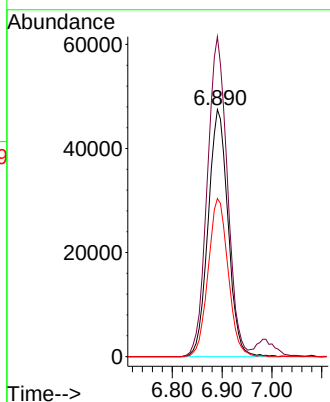
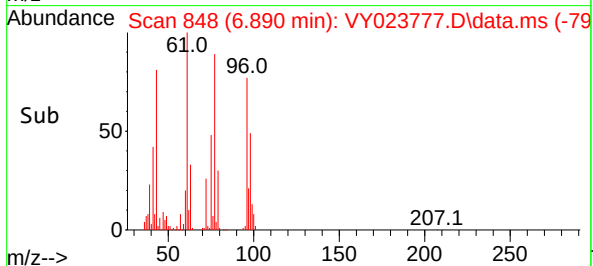
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01



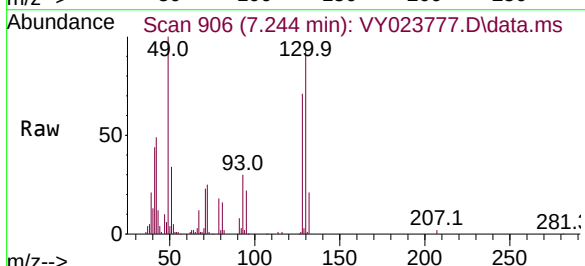
Tgt Ion: 96 Resp: 13203
 Ion Ratio Lower Upper
 96 100
 61 130.2 0.0 255.0
 98 64.2 0.0 129.8

Manual Integrations
 APPROVED

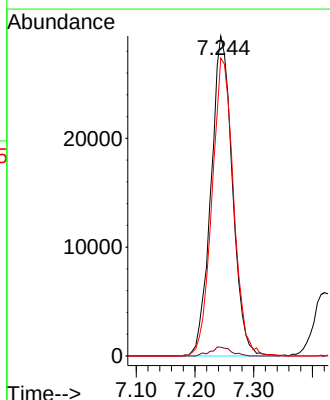
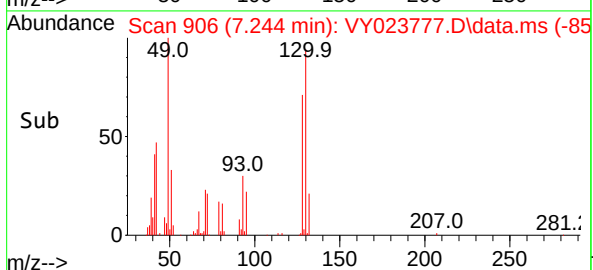
Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

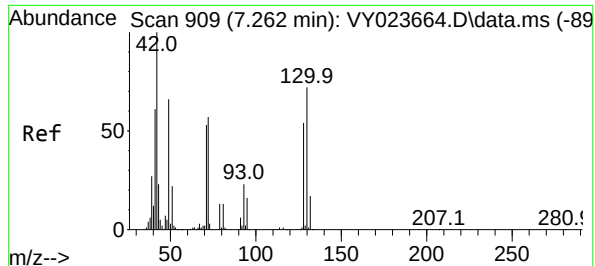


#28
 Bromochloromethane
 Concen: 21.100 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023777.D
 Acq: 13 Nov 2025 11:09



Tgt Ion: 49 Resp: 74503
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.0
 130 93.5 80.1 120.1





#29

Tetrahydrofuran

Concen: 96.803 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

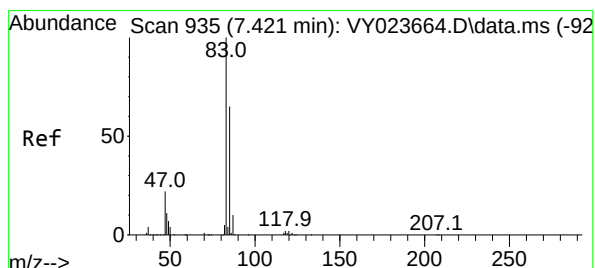
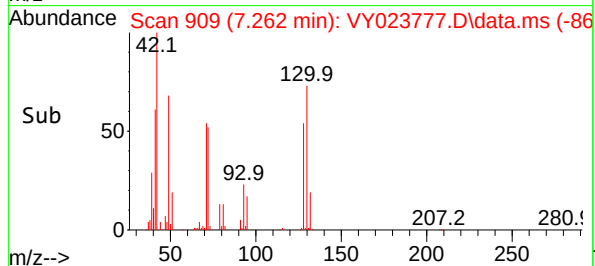
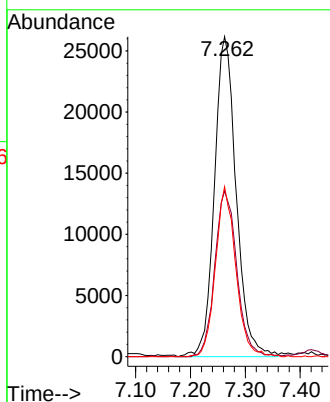
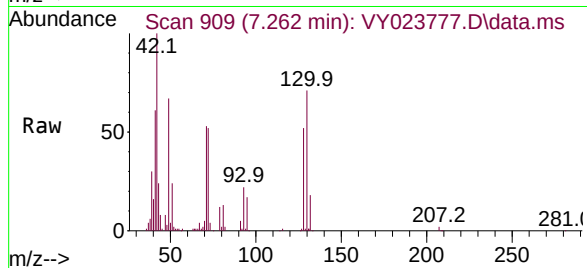
Tgt Ion:	42	Resp:	72197
Ion Ratio	Lower	Upper	
42	100		
72	52.5	43.4	65.2
71	49.5	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 20.538 ug/l

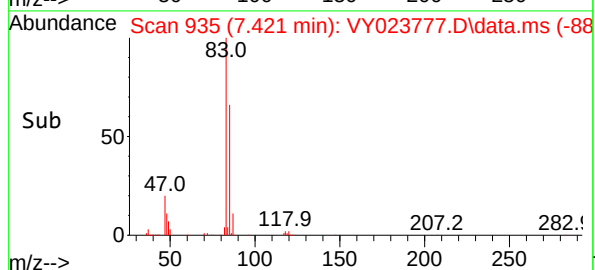
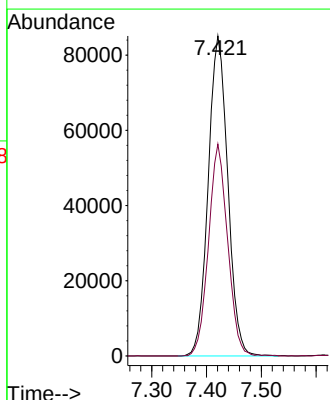
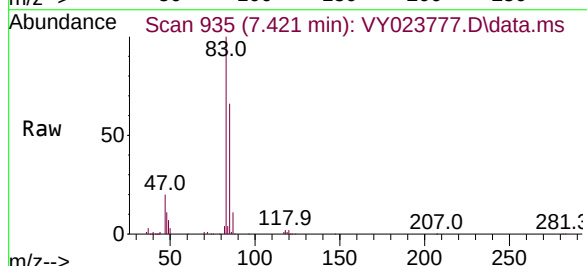
RT: 7.421 min Scan# 935

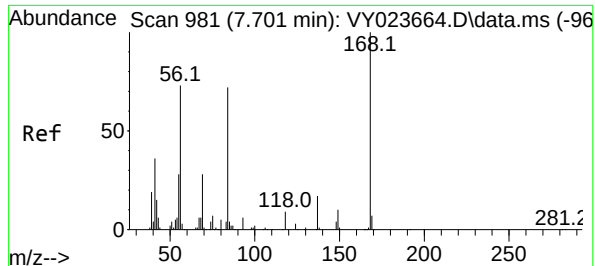
Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Tgt Ion:	83	Resp:	211322
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.1	78.1





#31

Cyclohexane

Concen: 21.012 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 56 Resp: 168746

Ion Ratio Lower Upper

56 100

69 42.0 30.5 45.7

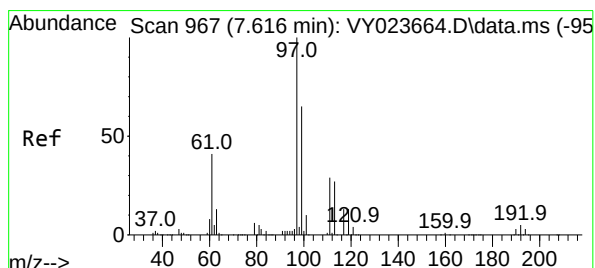
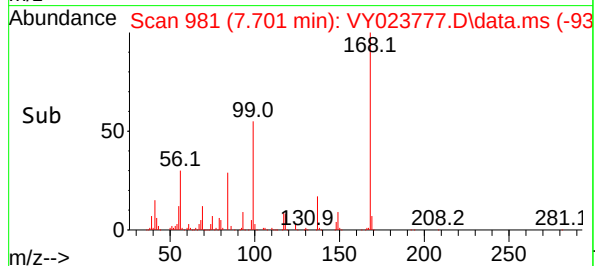
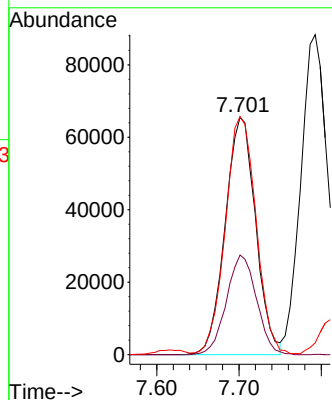
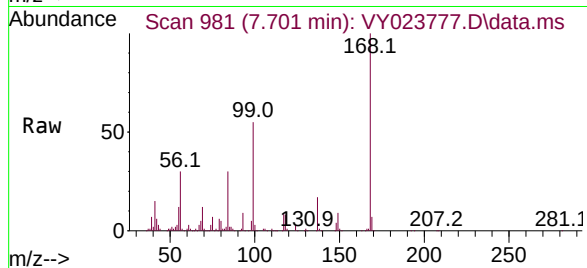
84 98.4 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#32

1,1,1-Trichloroethane

Concen: 20.580 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

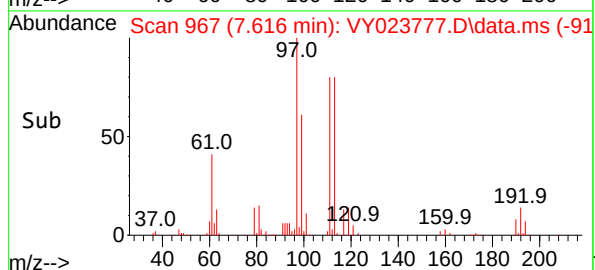
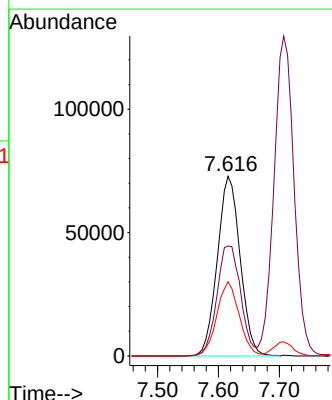
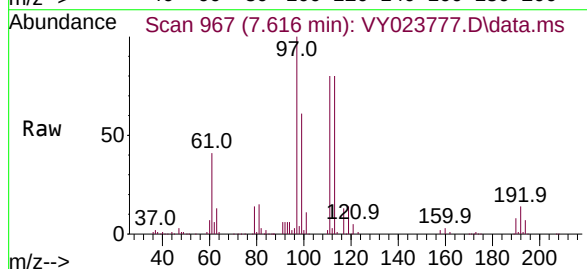
Tgt Ion: 97 Resp: 189251

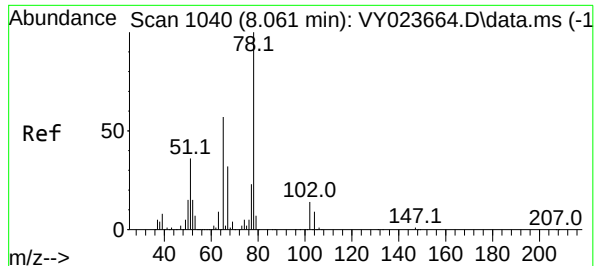
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 40.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 51.755 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 65 Resp: 252195

Ion Ratio Lower Upper

65 100

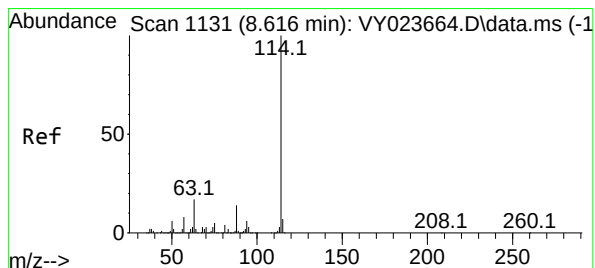
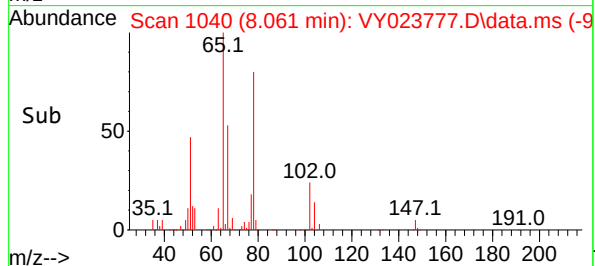
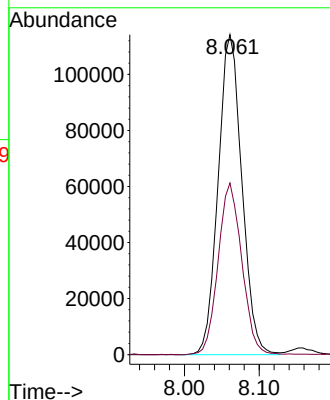
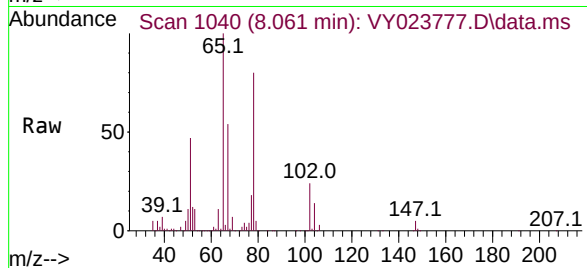
67 53.4 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

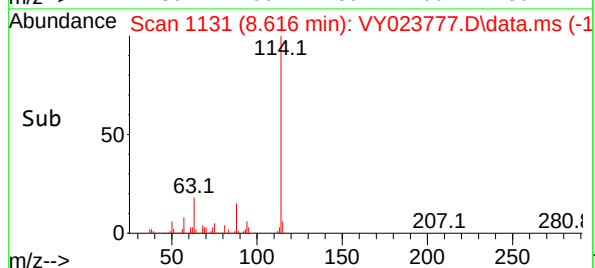
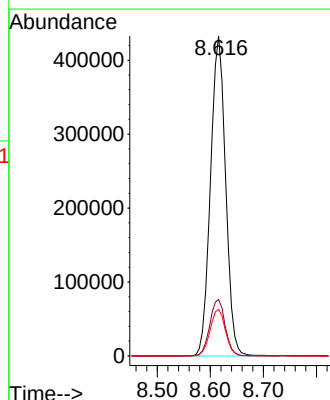
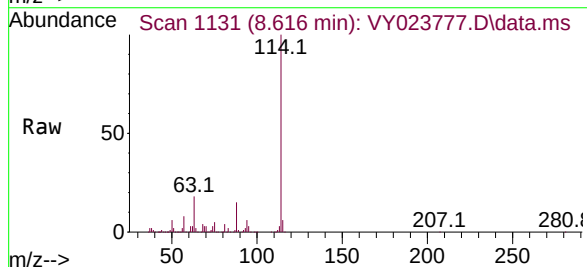
Tgt Ion:114 Resp: 854908

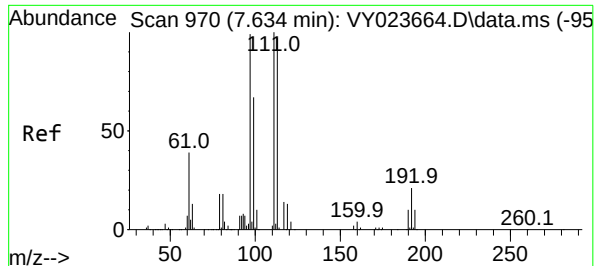
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.560 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:113 Resp: 275464

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

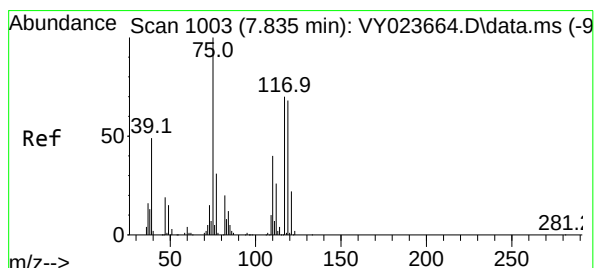
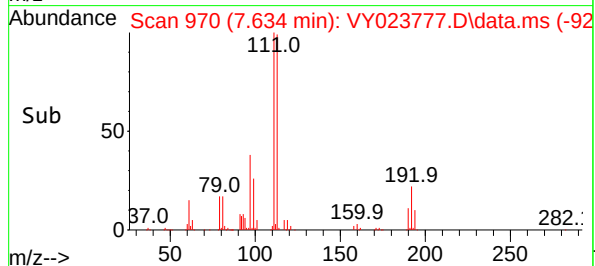
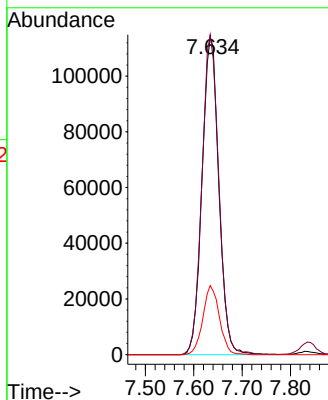
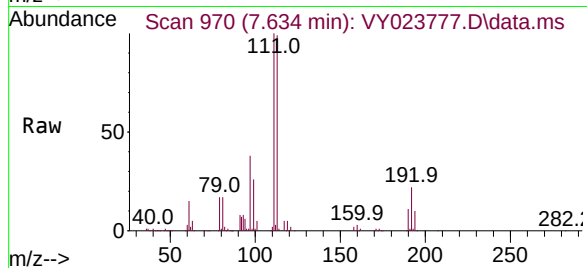
192 21.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#36

1,1-Dichloropropene

Concen: 20.613 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

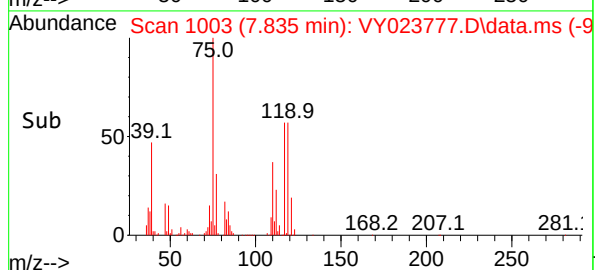
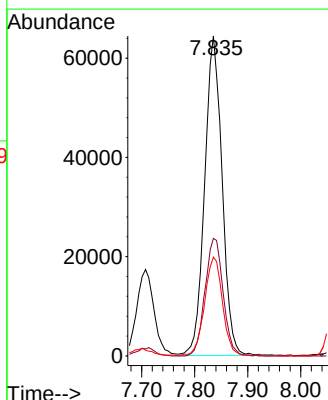
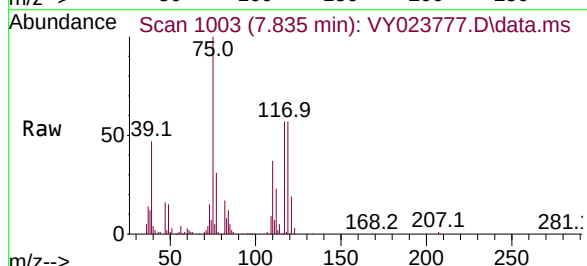
Tgt Ion: 75 Resp: 147160

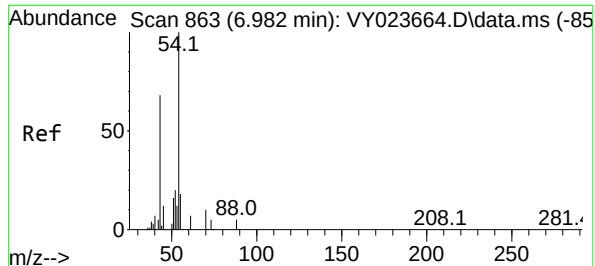
Ion Ratio Lower Upper

75 100

110 38.2 19.7 59.0

77 31.9 25.2 37.8





#37

Ethyl Acetate

Concen: 20.151 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion: 43 Resp: 55692

Ion Ratio Lower Upper

43 100

61 15.9 12.4 18.6

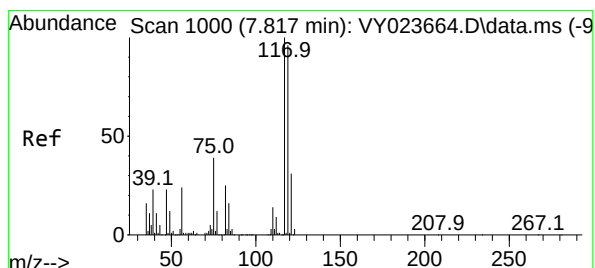
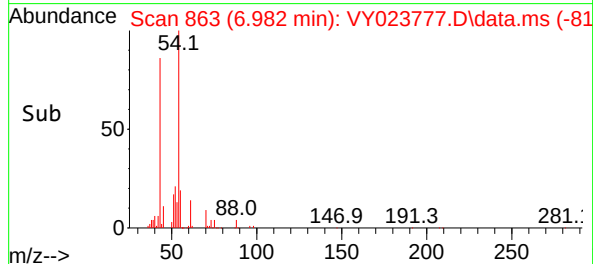
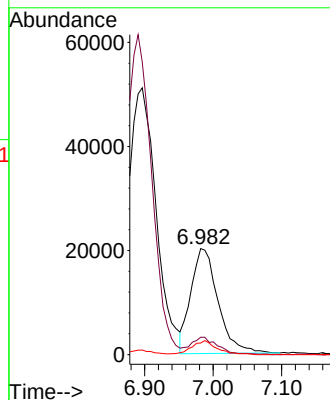
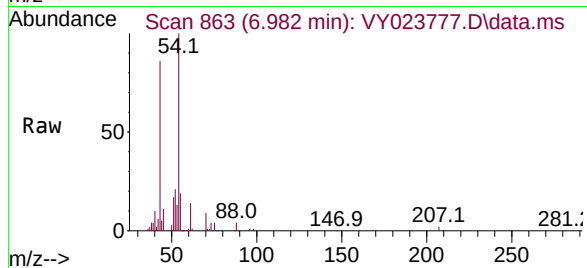
70 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

Concen: 20.332 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

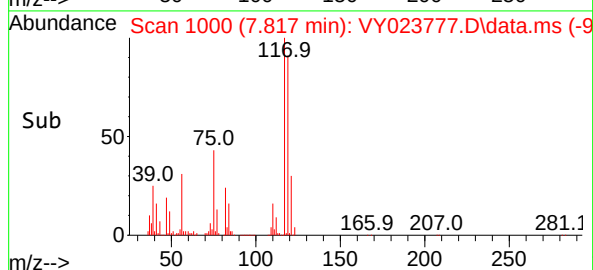
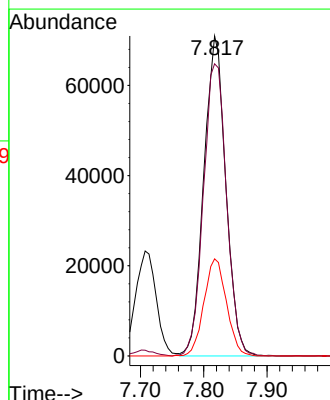
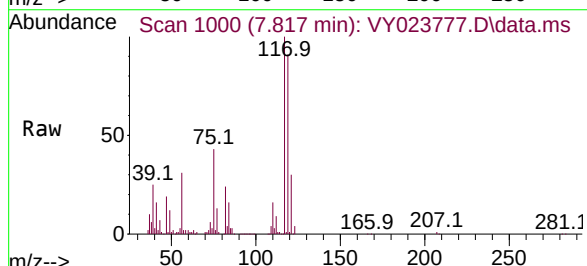
Tgt Ion:117 Resp: 171022

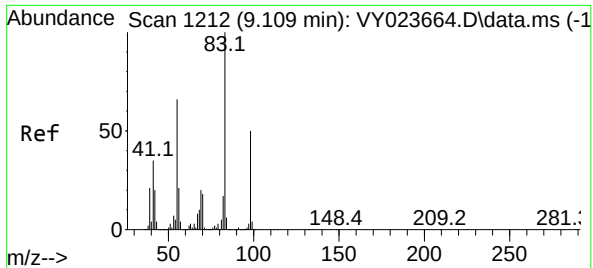
Ion Ratio Lower Upper

117 100

119 91.3 76.3 114.5

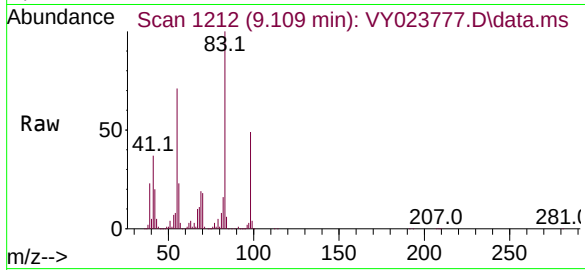
121 30.3 24.8 37.2





#39
Methylcyclohexane
Concen: 19.816 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

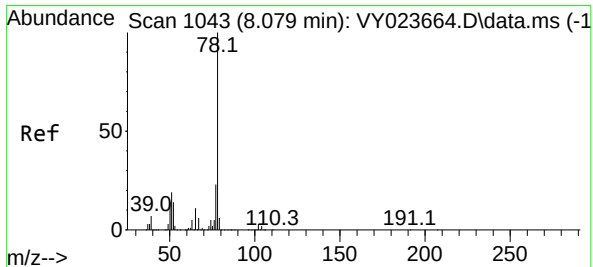
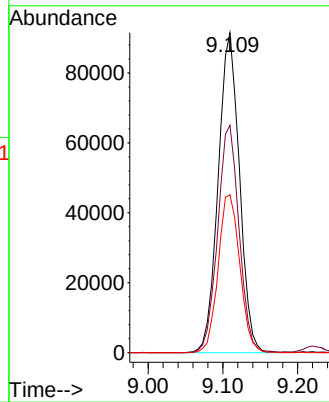
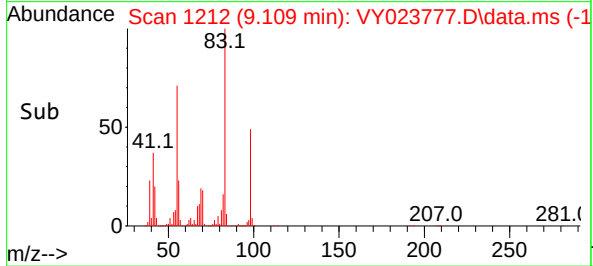
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



Tgt Ion: 83 Resp: 180758
Ion Ratio Lower Upper
83 100
55 71.1 52.6 78.8
98 49.3 39.7 59.5

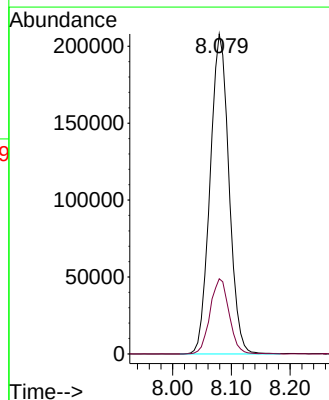
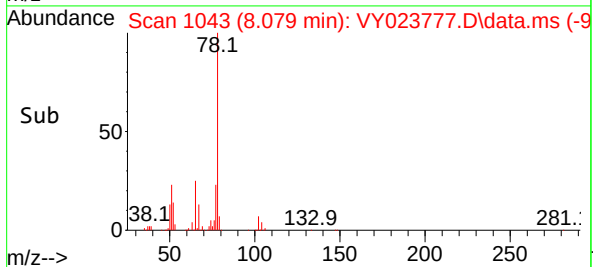
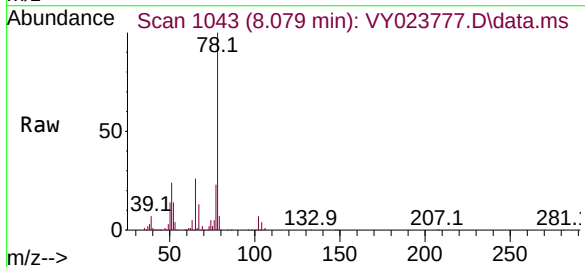
Manual Integrations
APPROVED

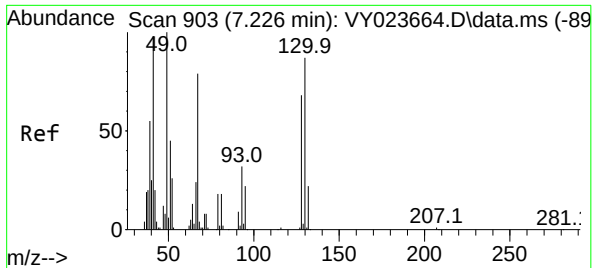
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#40
Benzene
Concen: 20.631 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion: 78 Resp: 464263
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 16.786 ug/l m

RT: 7.220 min Scan# 90

Delta R.T. -0.006 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 41 Resp: 2532

Ion Ratio Lower Upper

41 100

39 53.0 38.6 57.8

67 97.1 71.3 106.9

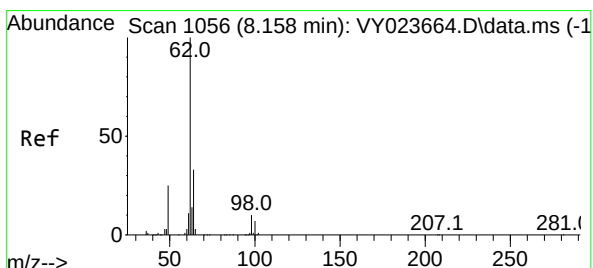
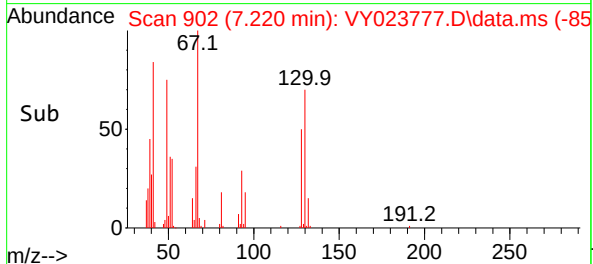
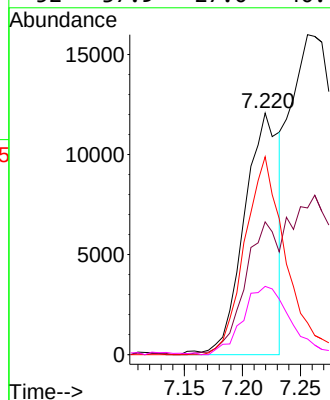
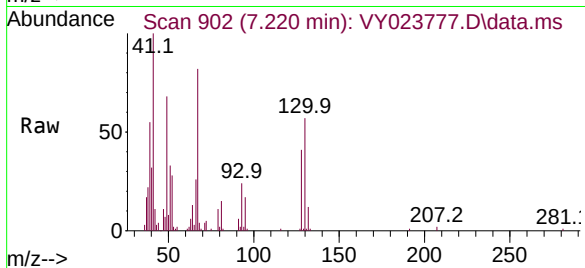
52 37.9 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#42

1,2-Dichloroethane

Concen: 19.542 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VY023777.D

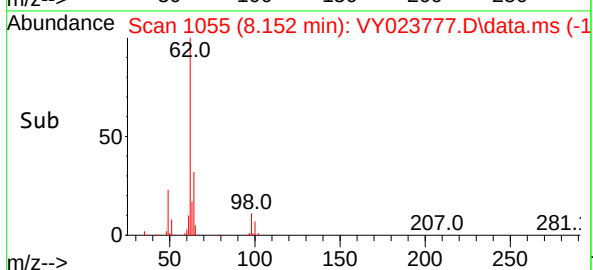
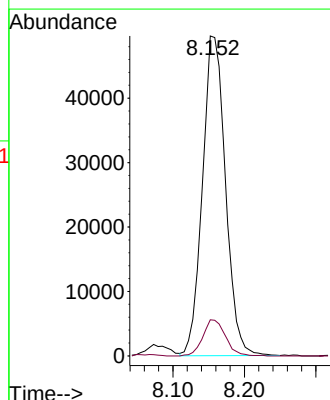
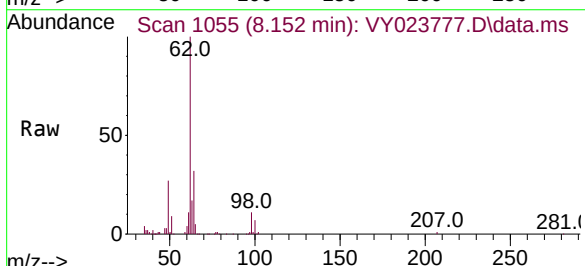
Acq: 13 Nov 2025 11:09

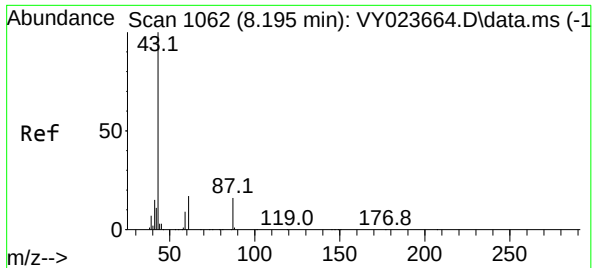
Tgt Ion: 62 Resp: 111254

Ion Ratio Lower Upper

62 100

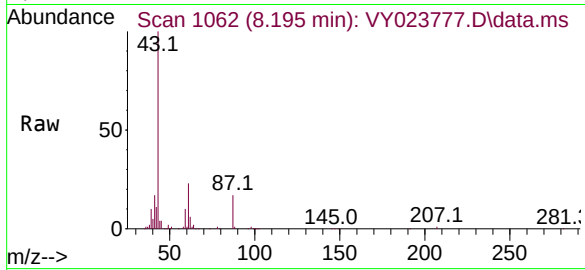
98 11.0 0.0 21.0





#43
Isopropyl Acetate
Concen: 19.194 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

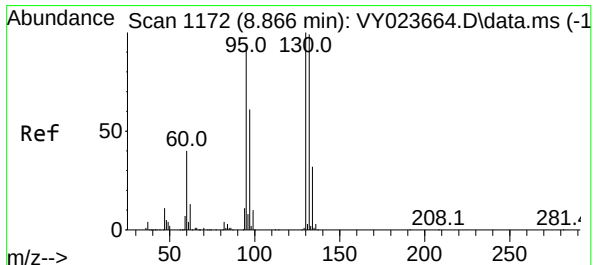
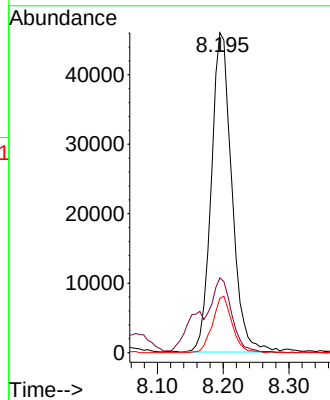
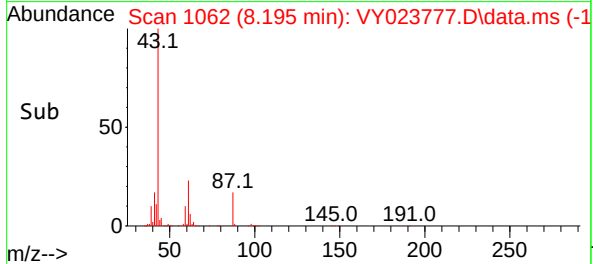
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion: 43 Resp: 99669
Ion Ratio Lower Upper
43 100
61 23.4 18.2 27.2
87 16.7 13.3 19.9

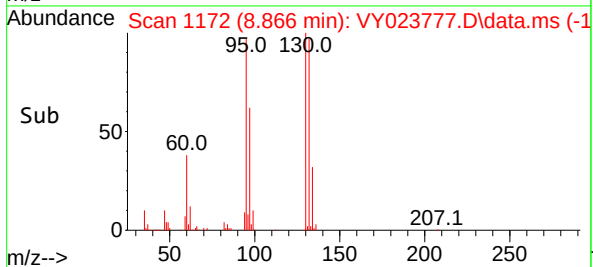
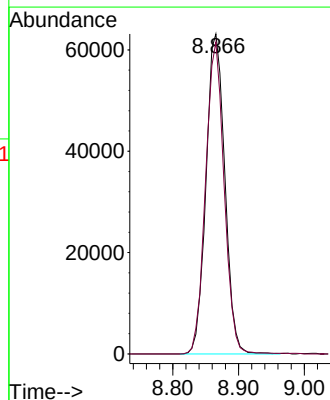
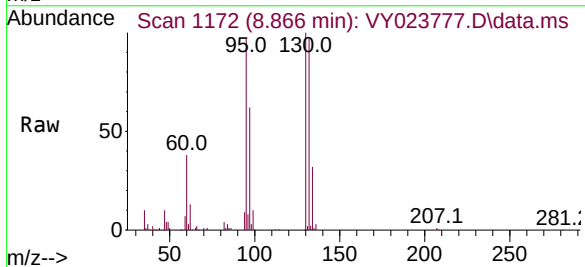
Manual Integrations
APPROVED

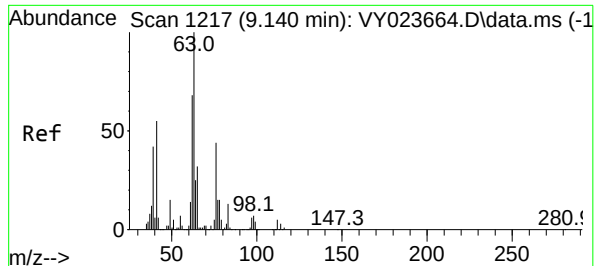
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 19.325 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion:130 Resp: 124906
Ion Ratio Lower Upper
130 100
95 97.4 0.0 187.0





#45

1,2-Dichloropropane

Concen: 20.633 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 63 Resp: 102474

Ion Ratio Lower Upper

63 100

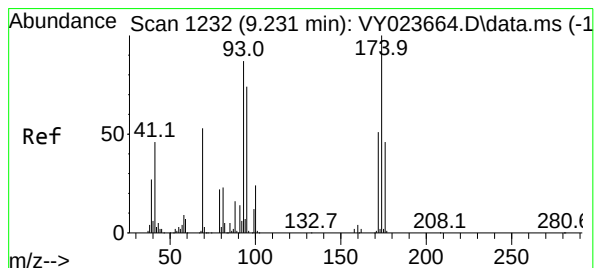
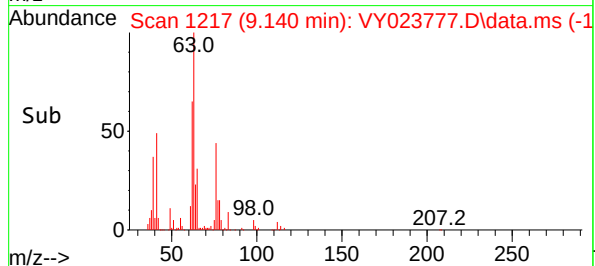
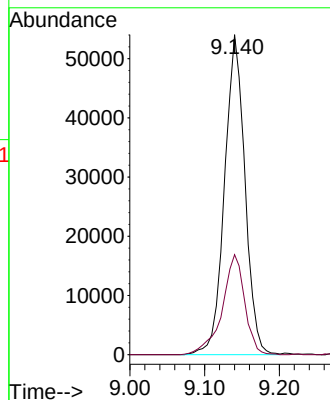
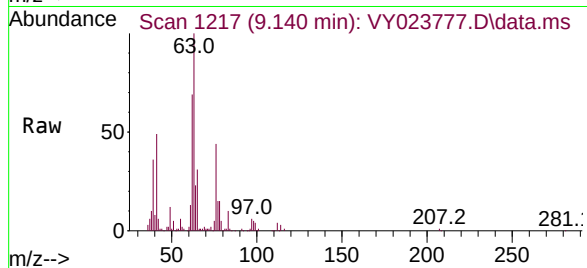
65 31.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 19.450 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

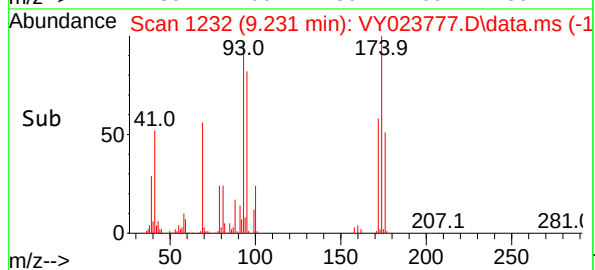
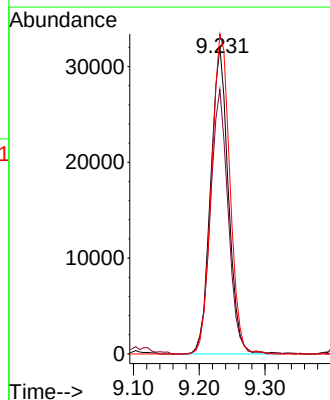
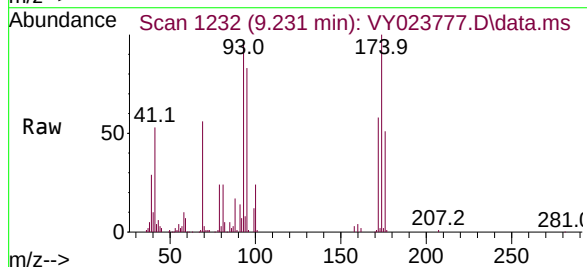
Tgt Ion: 93 Resp: 59853

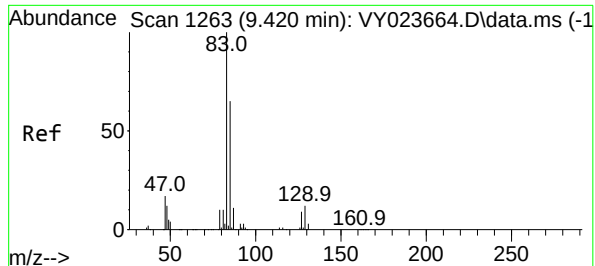
Ion Ratio Lower Upper

93 100

95 86.0 67.4 101.2

174 107.9 89.4 134.0





#47

Bromodichloromethane

Concen: 20.289 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 83 Resp: 157413

Ion Ratio Lower Upper

83 100

85 63.6 52.1 78.1

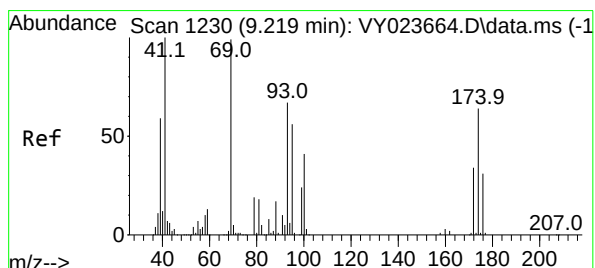
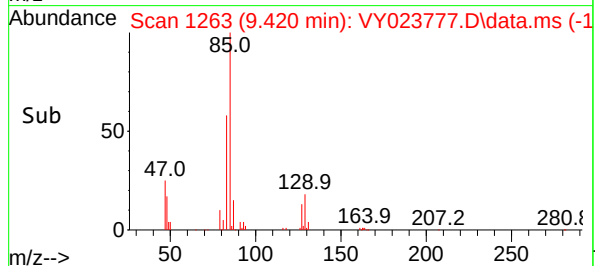
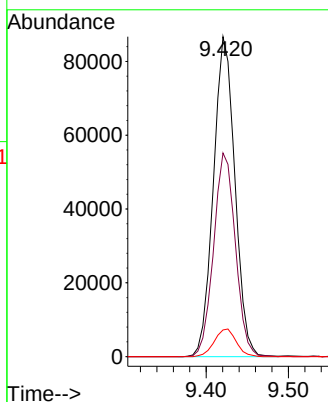
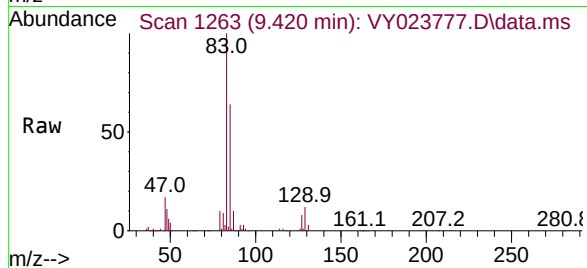
127 8.3 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#48

Methyl methacrylate

Concen: 18.879 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

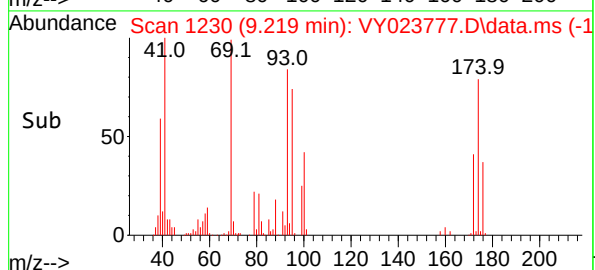
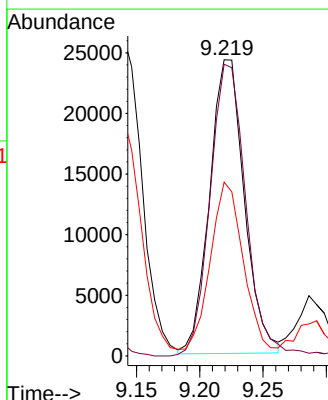
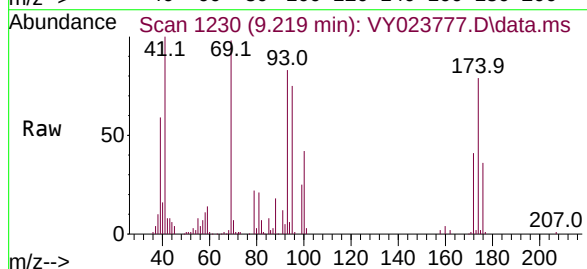
Tgt Ion: 41 Resp: 46318

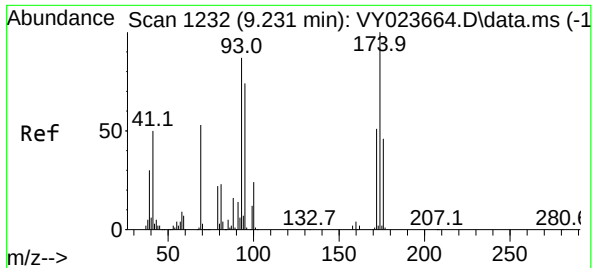
Ion Ratio Lower Upper

41 100

69 102.5 80.2 120.2

39 53.3 47.4 71.0





#49

1,4-Dioxane

Concen: 382.065 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 88 Resp: 12032

Ion Ratio Lower Upper

88 100

43 32.0 22.0 33.0

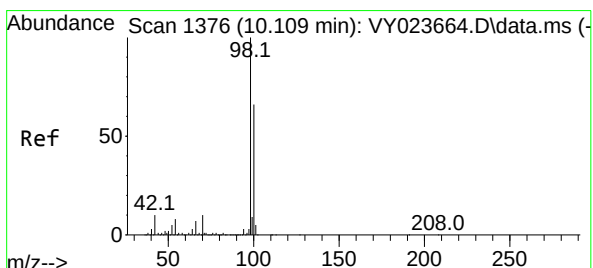
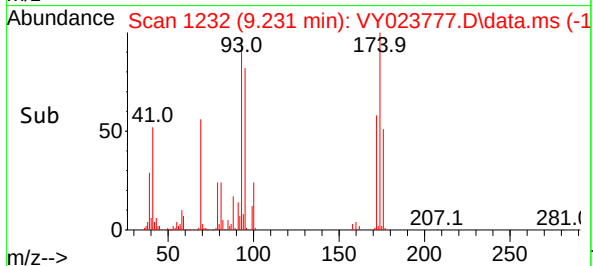
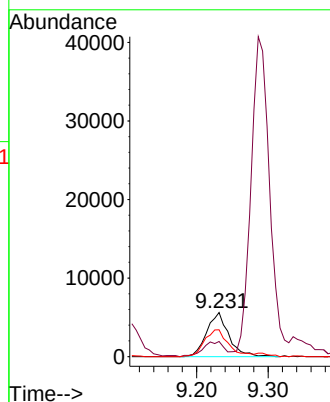
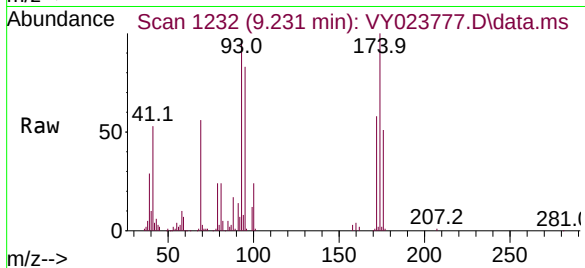
58 66.1 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 52.853 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY023777.D

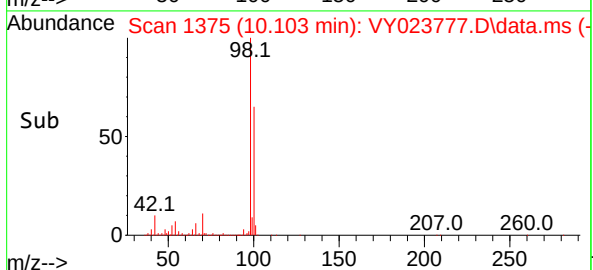
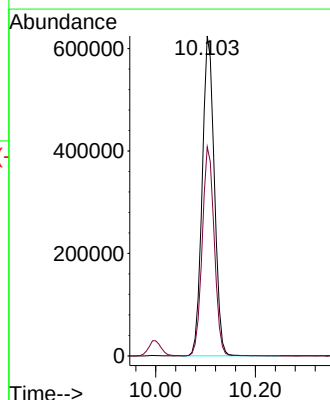
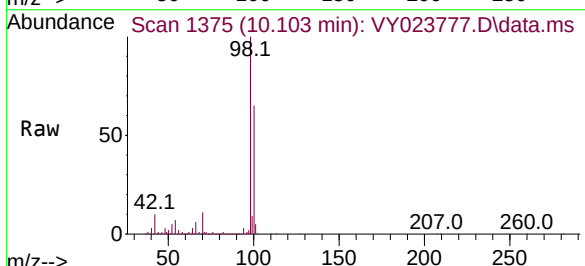
Acq: 13 Nov 2025 11:09

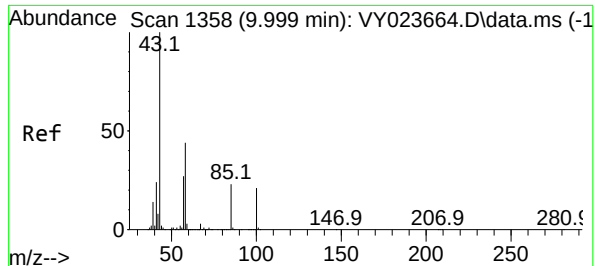
Tgt Ion: 98 Resp: 1051858

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1





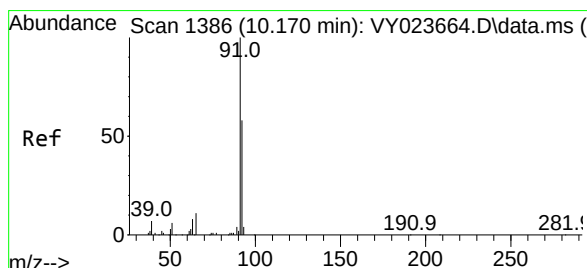
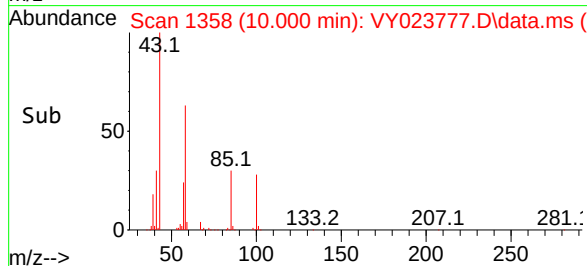
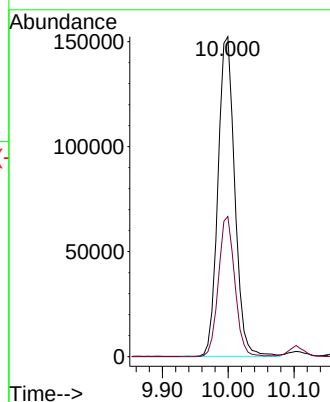
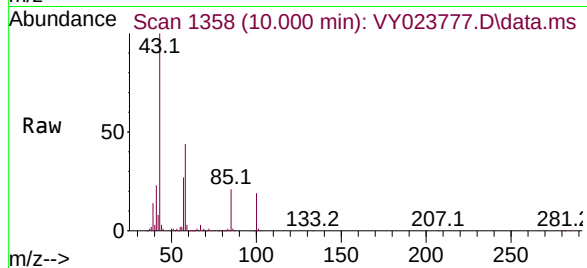
#51
4-Methyl-2-Pentanone
Concen: 97.332 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Tgt Ion: 43 Resp: 268785
Ion Ratio Lower Upper
43 100
58 42.8 34.8 52.2

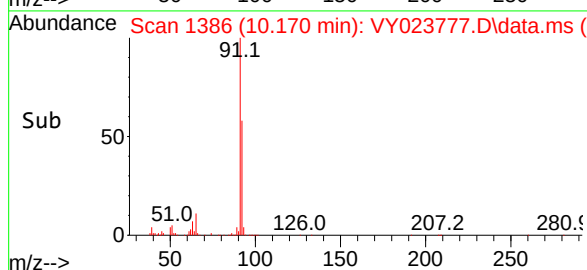
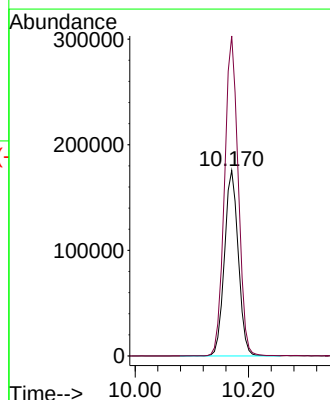
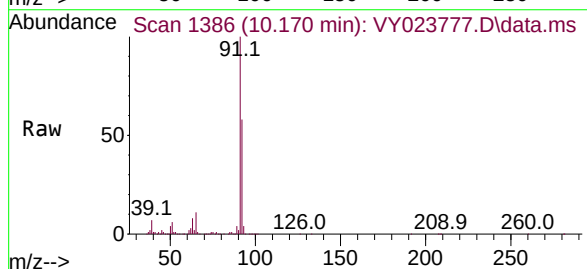
Manual Integrations
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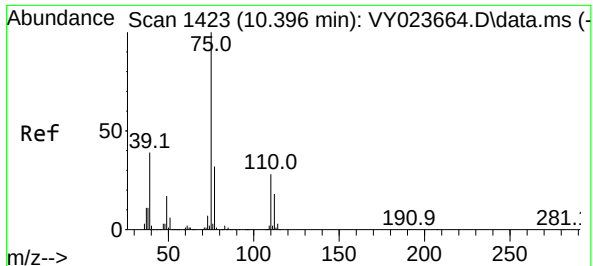
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 20.627 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion: 92 Resp: 296348
Ion Ratio Lower Upper
92 100
91 171.5 137.8 206.8





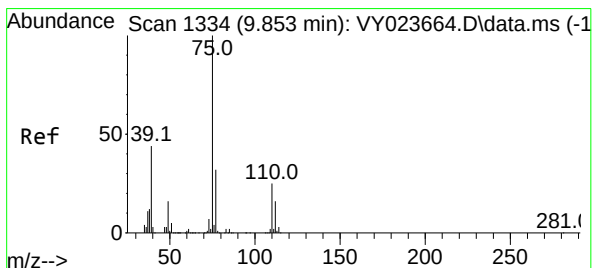
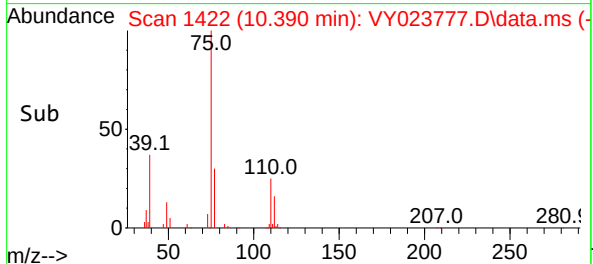
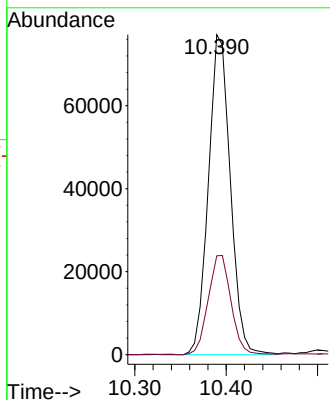
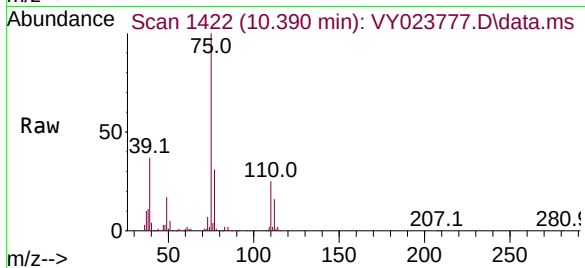
#53
t-1,3-Dichloropropene
Concen: 19.620 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Tgt Ion: 75 Resp: 128802
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

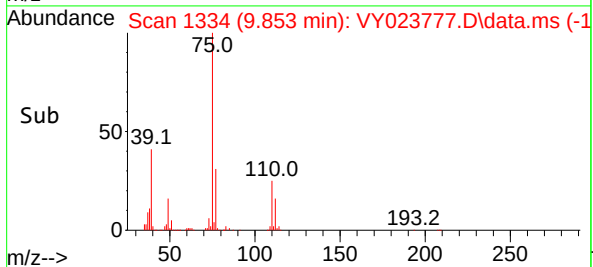
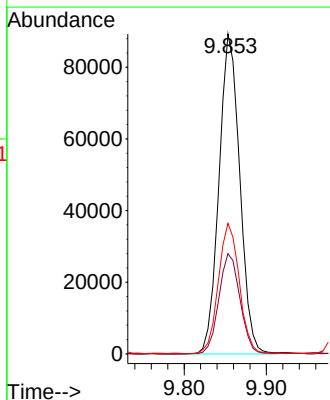
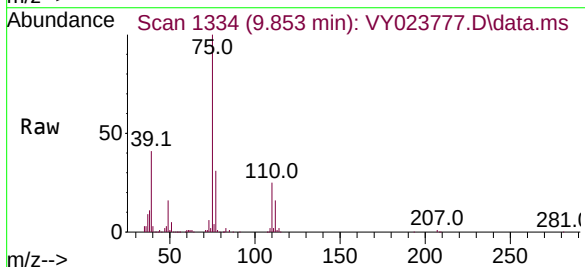
Manual Integrations
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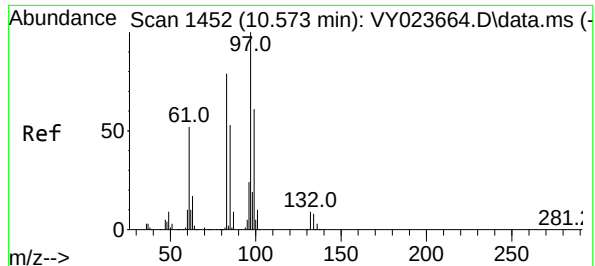
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#54
cis-1,3-Dichloropropene
Concen: 19.931 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

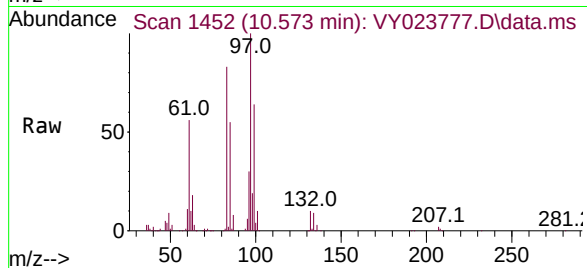
Tgt Ion: 75 Resp: 156760
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 40.5 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 19.717 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

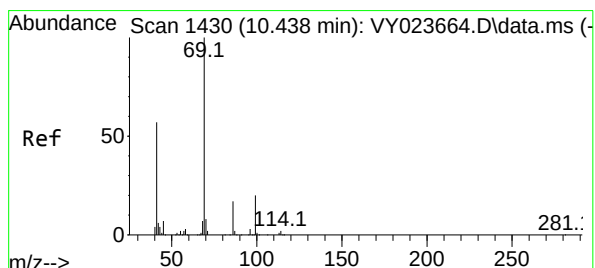
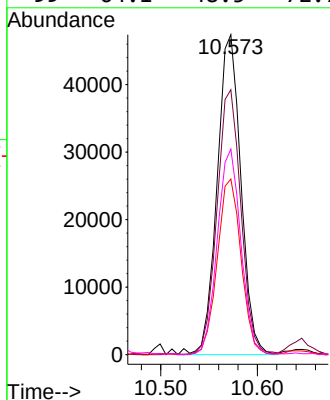
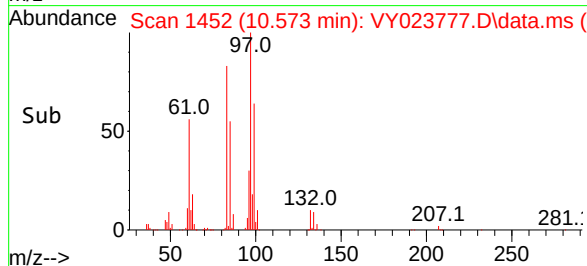
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



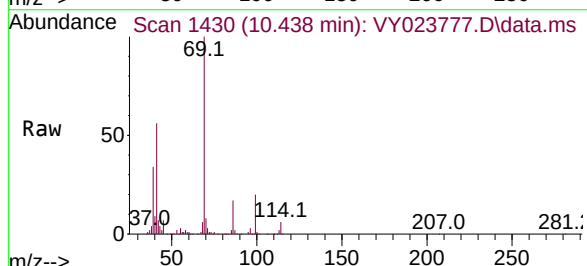
Tgt Ion: 97 Resp: 81084
Ion Ratio Lower Upper
97 100
83 82.6 63.3 94.9
85 54.9 42.4 63.6
99 64.1 48.5 72.7

Manual Integrations
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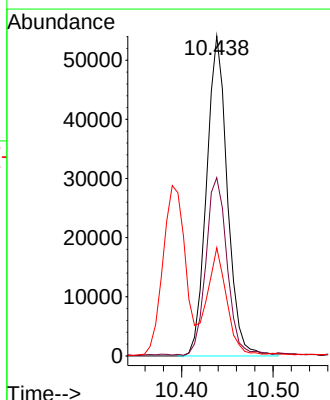
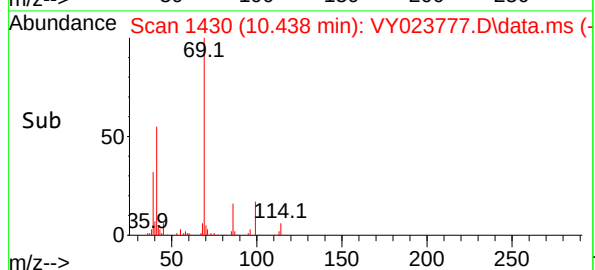
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

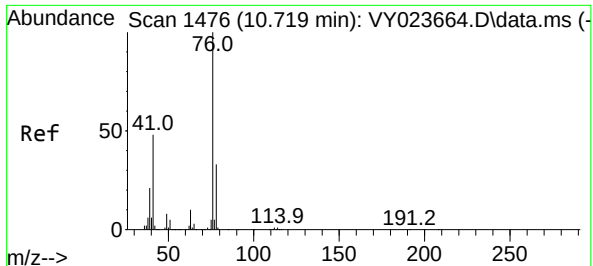


#56
Ethyl methacrylate
Concen: 18.895 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



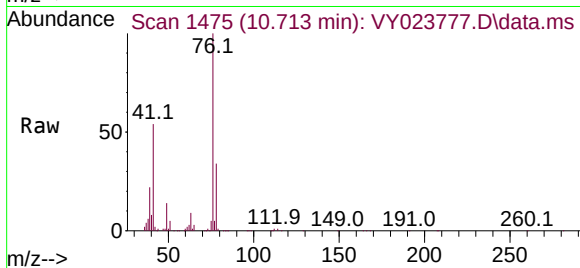
Tgt Ion: 69 Resp: 85612
Ion Ratio Lower Upper
69 100
41 56.4 45.0 67.4
39 31.4 25.1 37.7





#57
1,3-Dichloropropane
Concen: 19.876 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

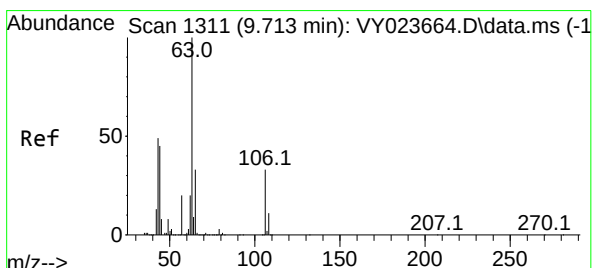
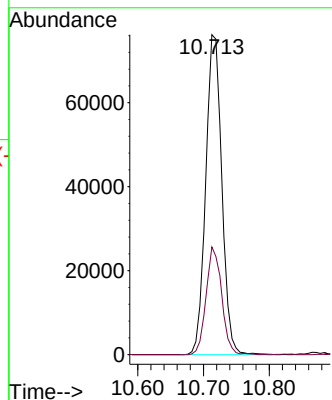
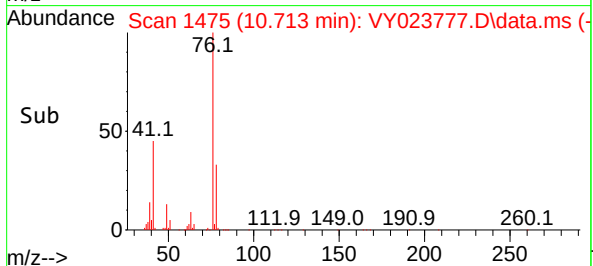
Instrument : MSVOA_Y
ClientSampleId : VY1113SBSD01



Tgt Ion: 76 Resp: 129649
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0

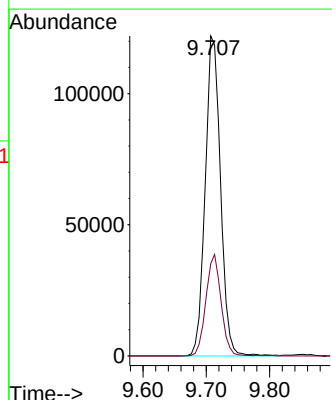
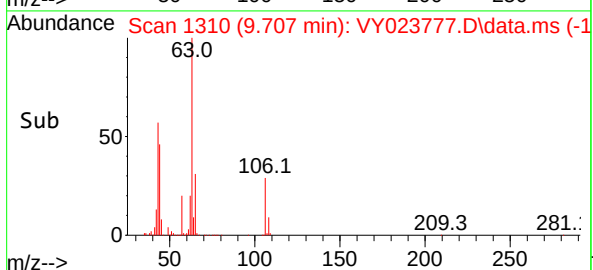
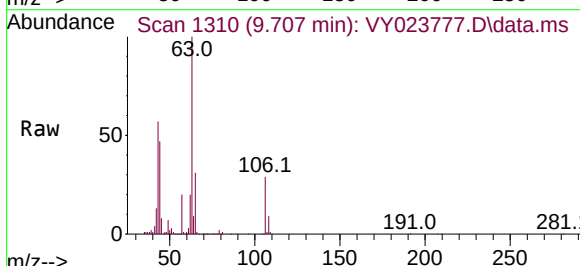
Manual Integrations
APPROVED

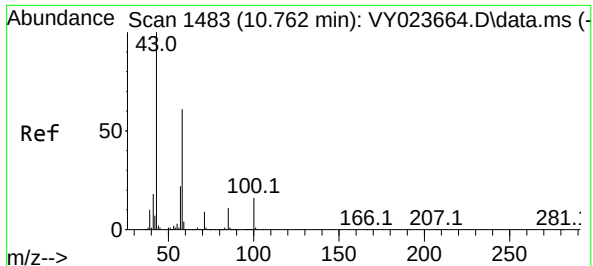
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 98.226 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

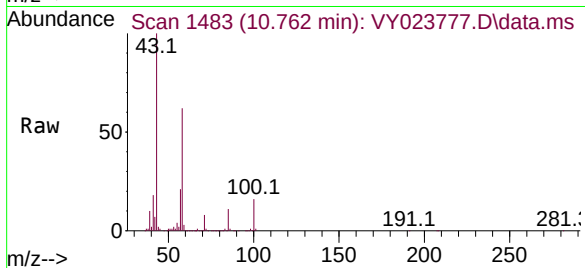
Tgt Ion: 63 Resp: 204228
Ion Ratio Lower Upper
63 100
106 31.3 26.2 39.2





#59
2-Hexanone
Concen: 101.011 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

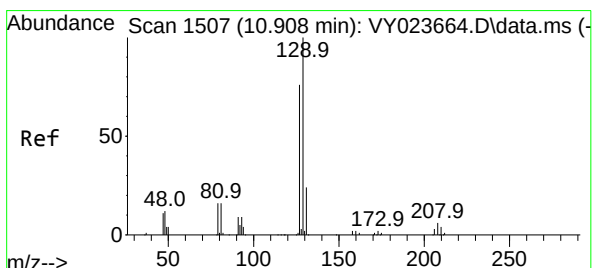
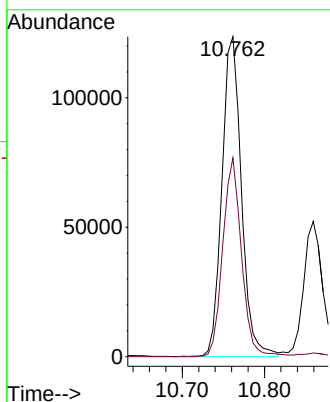
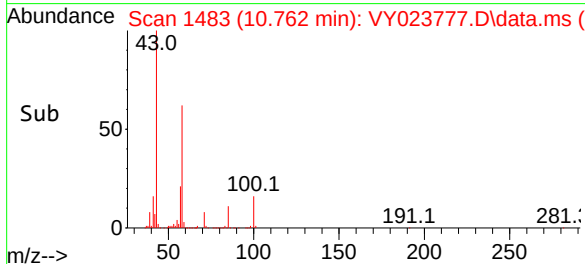
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



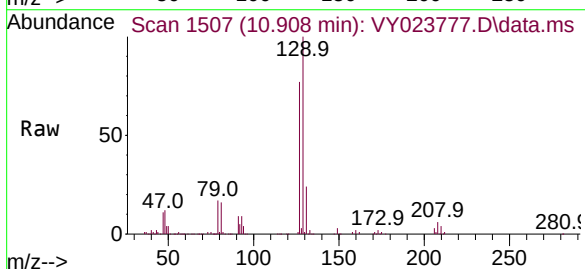
Tgt Ion: 43 Resp: 203510
Ion Ratio Lower Upper
43 100
58 59.8 30.2 90.6

Manual Integrations
APPROVED

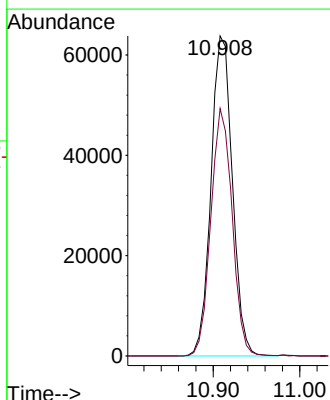
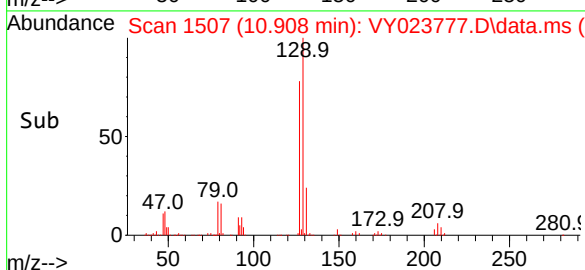
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

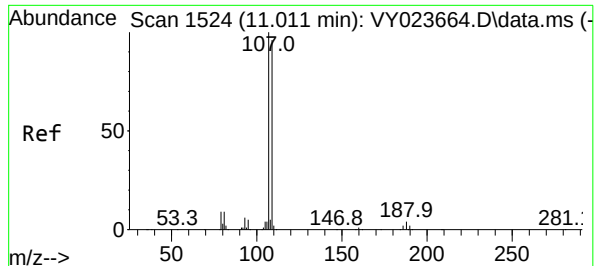


#60
Dibromochloromethane
Concen: 19.351 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



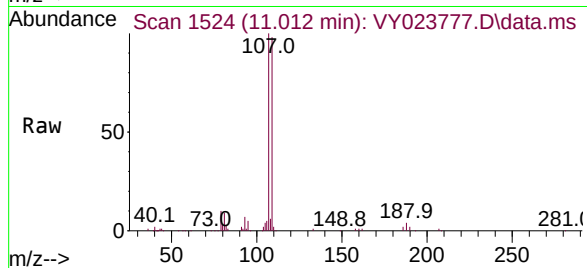
Tgt Ion:129 Resp: 109344
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





#61
1,2-Dibromoethane
Concen: 19.205 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

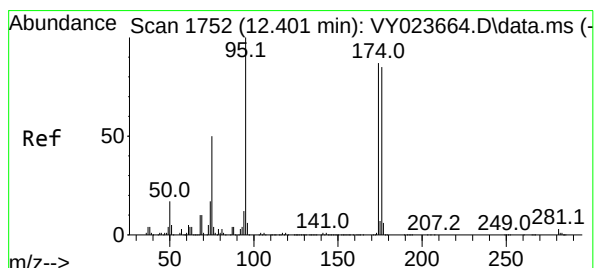
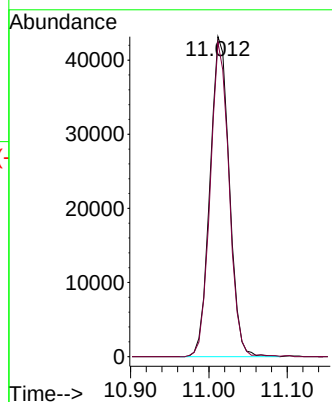
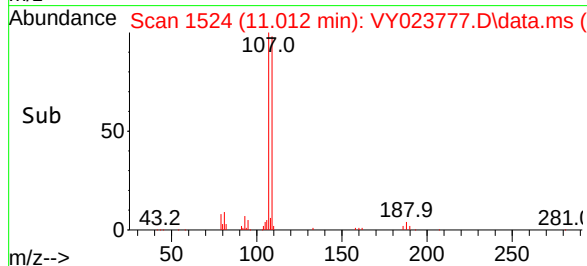
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:107 Resp: 74118
Ion Ratio Lower Upper
107 100
109 95.7 76.2 114.4

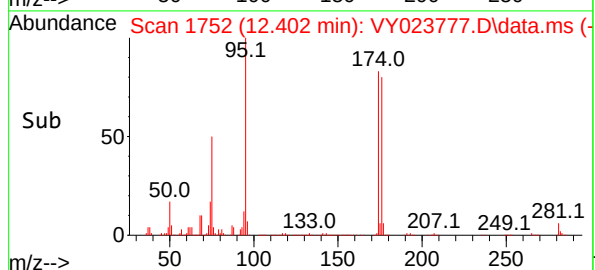
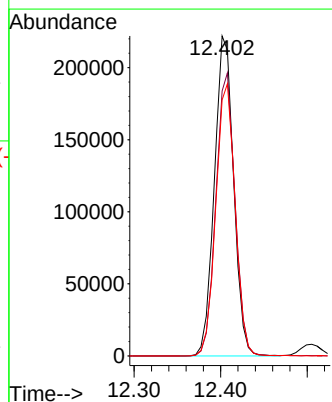
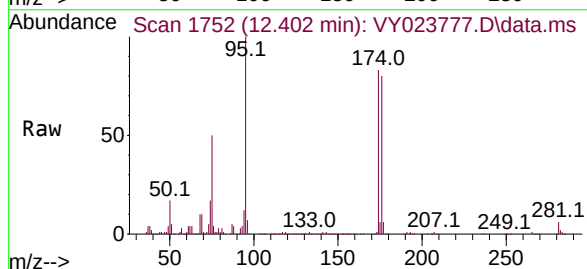
Manual Integrations
APPROVED

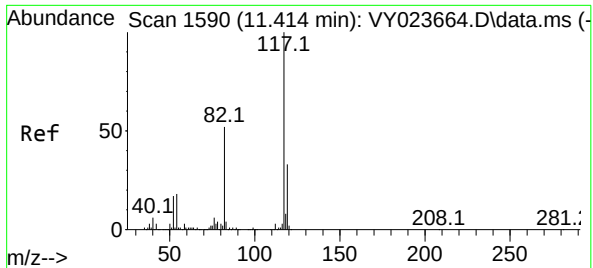
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 53.214 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

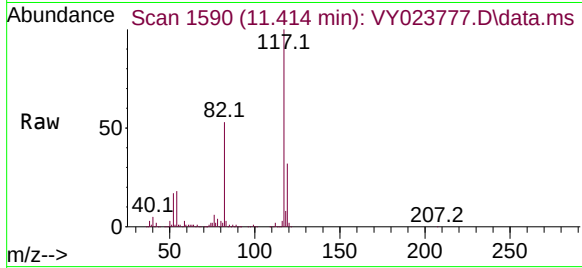
Tgt Ion: 95 Resp: 342483
Ion Ratio Lower Upper
95 100
174 87.9 0.0 184.8
176 85.5 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

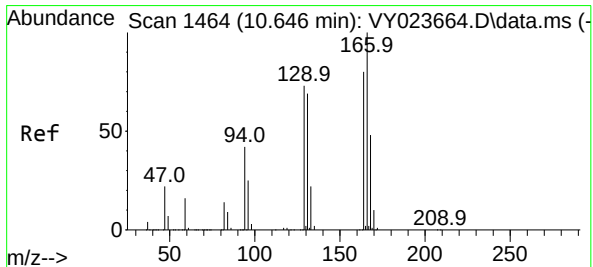
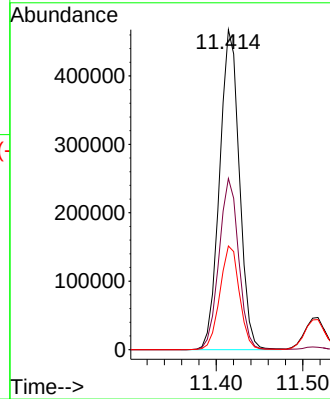
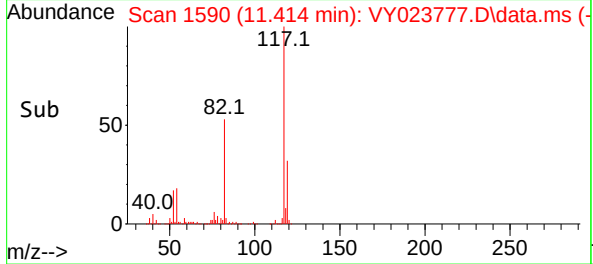
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01



Tgt Ion:117 Resp: 74478
Ion Ratio Lower Upper
117 100
82 53.5 41.2 61.8
119 32.4 26.2 39.2

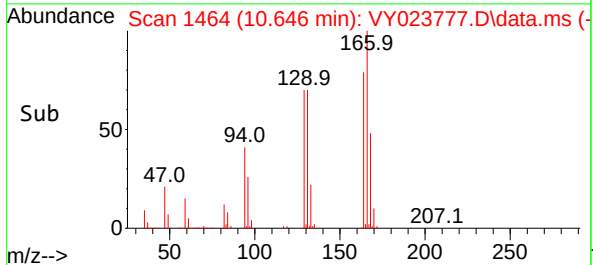
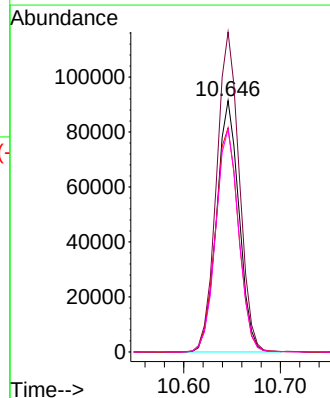
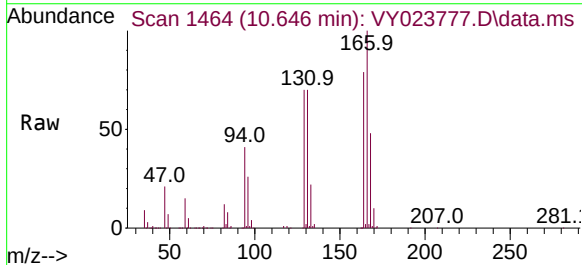
Manual Integrations
APPROVED

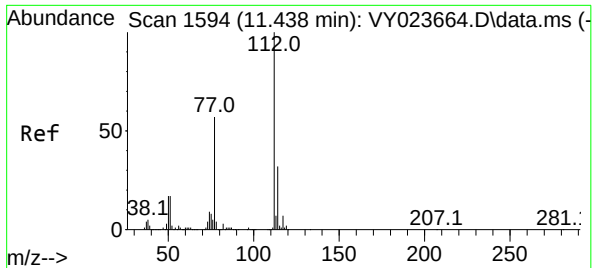
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 19.069 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

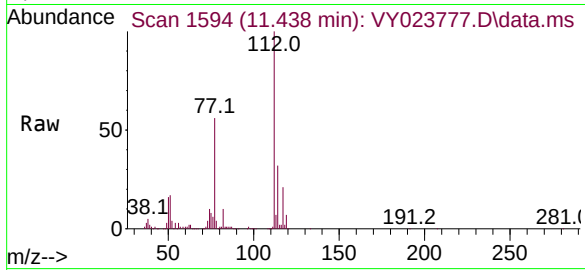
Tgt Ion:164 Resp: 147823
Ion Ratio Lower Upper
164 100
166 127.3 99.5 149.3
129 89.2 72.3 108.5
131 88.6 69.1 103.7





#65
Chlorobenzene
Concen: 19.933 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

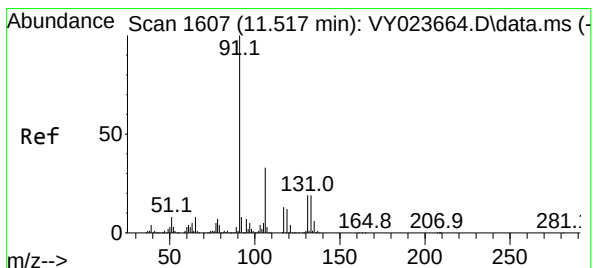
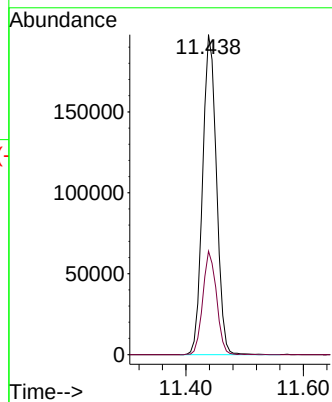
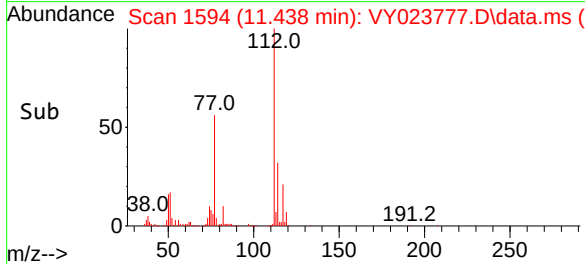
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



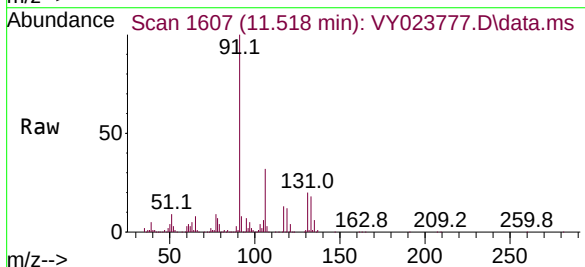
Tgt Ion:112 Resp: 323200
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

Manual Integrations
APPROVED

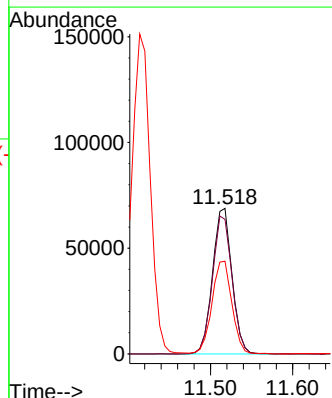
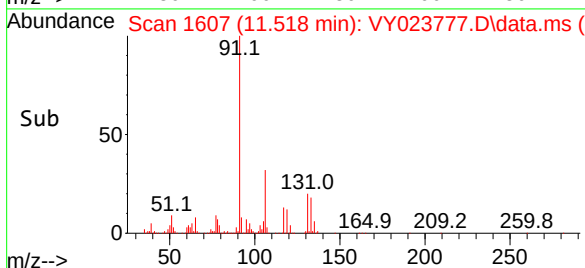
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

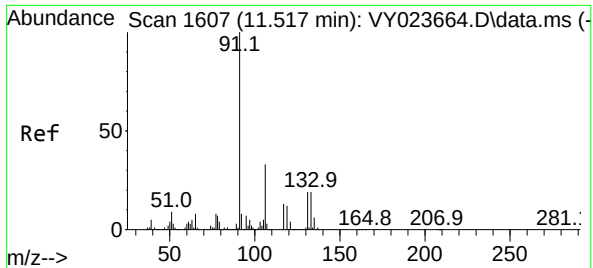


#66
1,1,1,2-Tetrachloroethane
Concen: 19.686 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



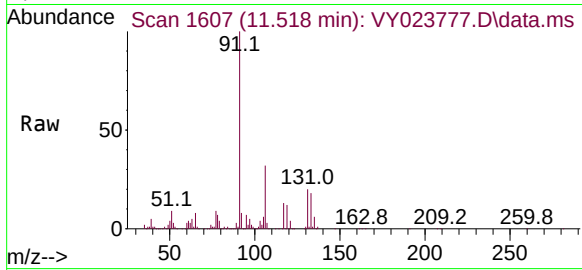
Tgt Ion:131 Resp: 112867
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 65.5 32.5 97.4





#67
Ethyl Benzene
Concen: 20.107 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

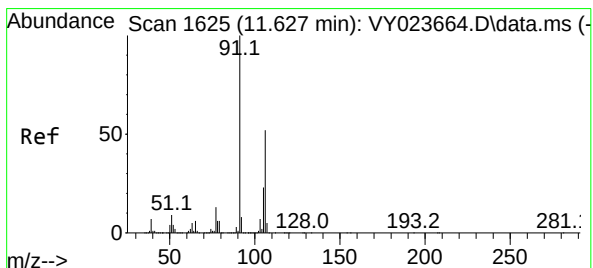
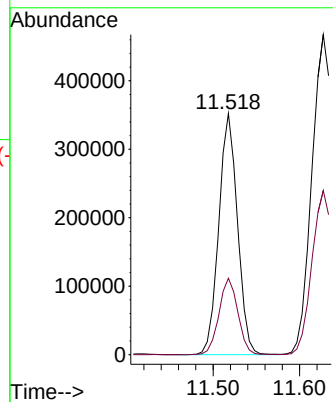
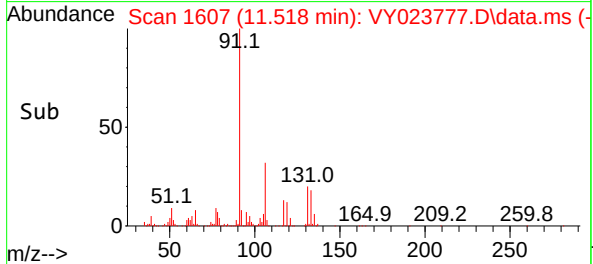
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



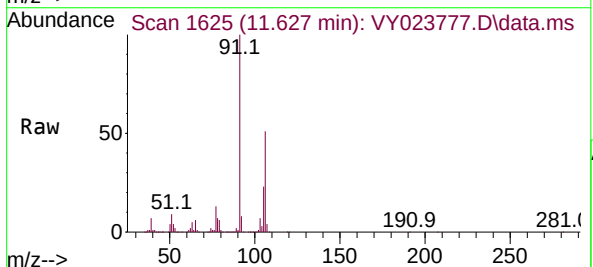
Tgt Ion: 91 Resp: 527652
Ion Ratio Lower Upper
91 100
106 31.7 26.6 40.0

Manual Integrations
APPROVED

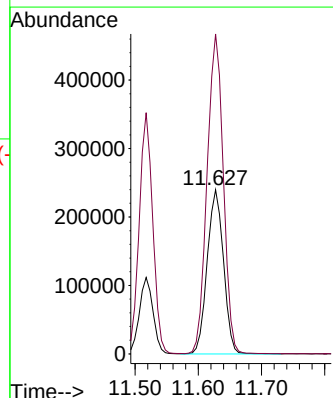
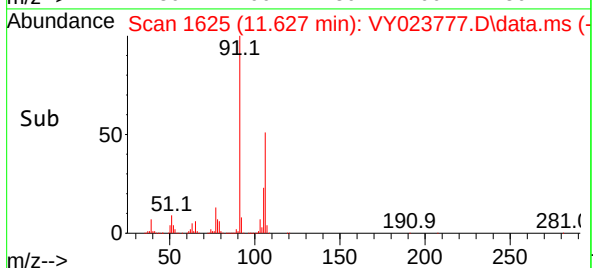
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

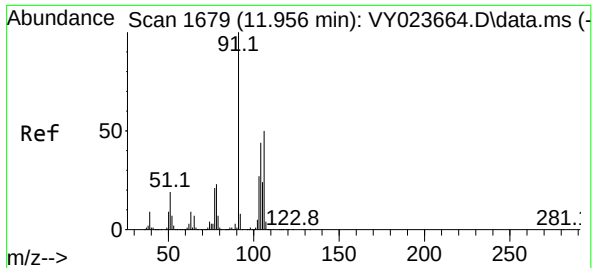


#68
m/p-Xylenes
Concen: 40.716 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



Tgt Ion:106 Resp: 426889
Ion Ratio Lower Upper
106 100
91 194.5 154.3 231.5





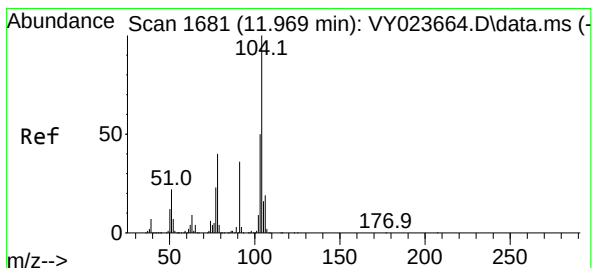
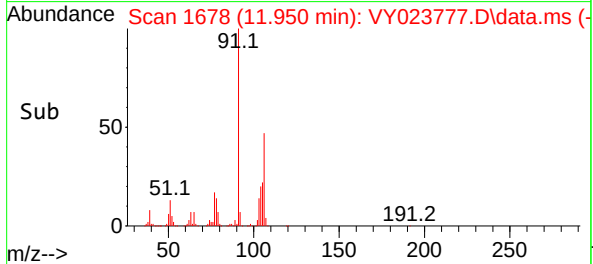
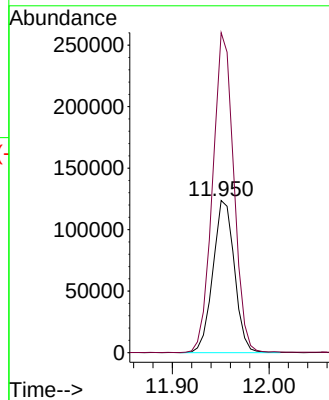
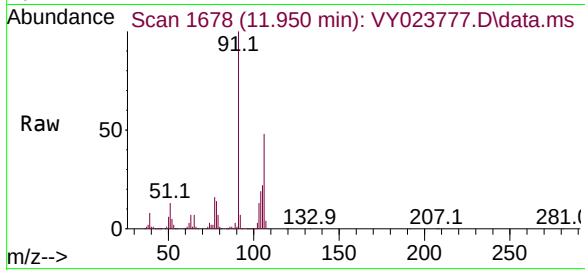
#69
o-Xylene
Concen: 19.711 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Tgt Ion:106 Resp: 191040
Ion Ratio Lower Upper
106 100
91 207.0 101.6 304.6

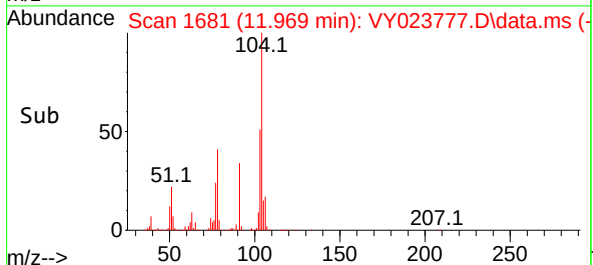
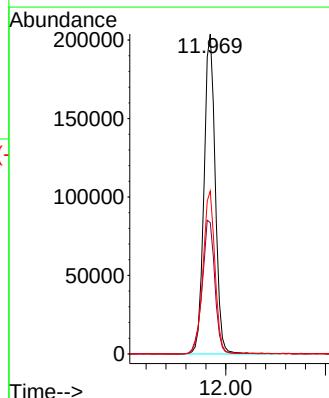
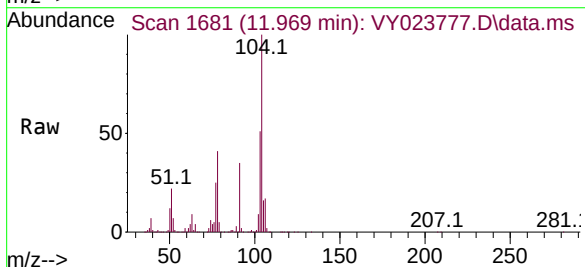
Manual Integrations
APPROVED

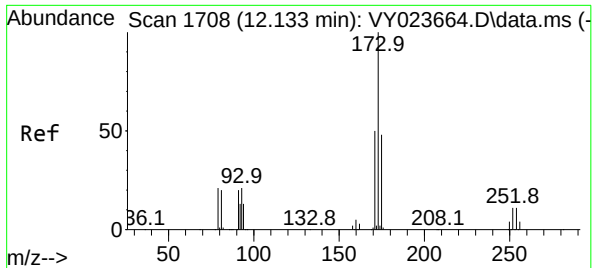
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 19.999 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

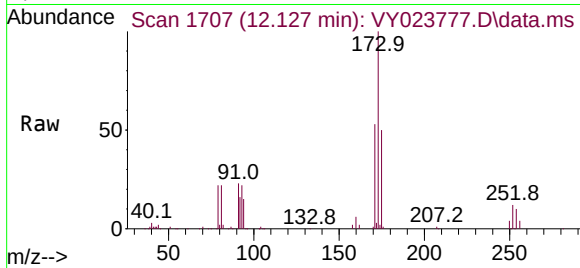
Tgt Ion:104 Resp: 319808
Ion Ratio Lower Upper
104 100
78 46.6 36.5 54.7
103 54.2 43.7 65.5





#71
Bromoform
Concen: 18.945 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

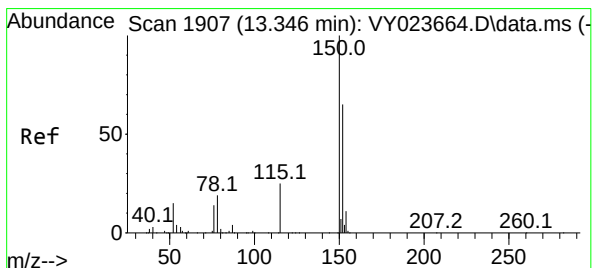
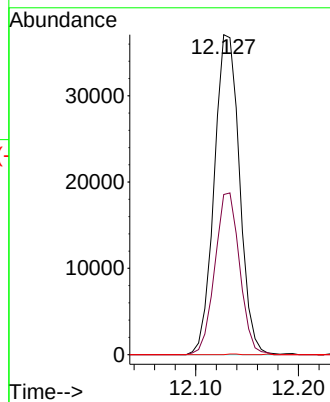
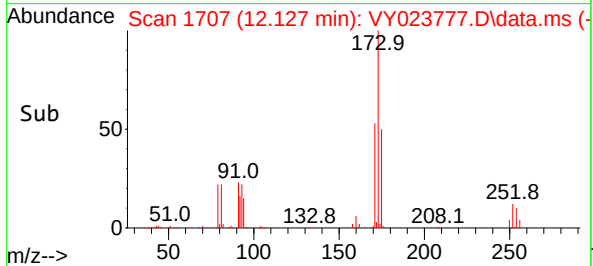
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



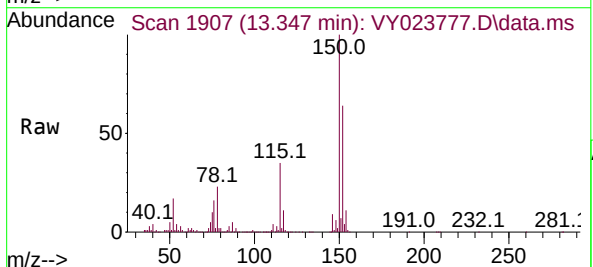
Tgt Ion:173 Resp: 63439
Ion Ratio Lower Upper
173 100
175 49.5 24.2 72.6
254 0.1 0.2 0.2

Manual Integrations
APPROVED

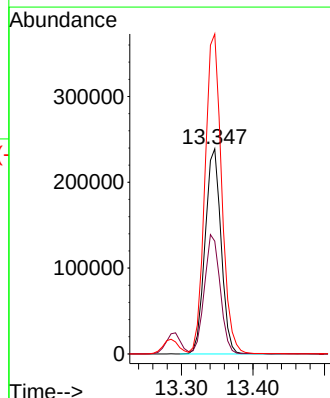
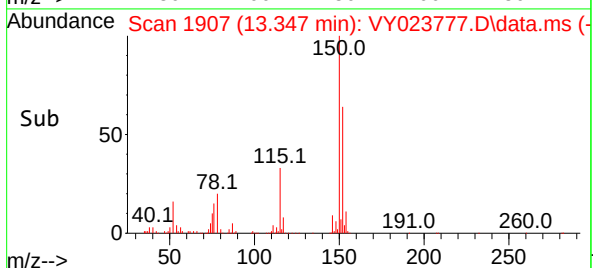
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

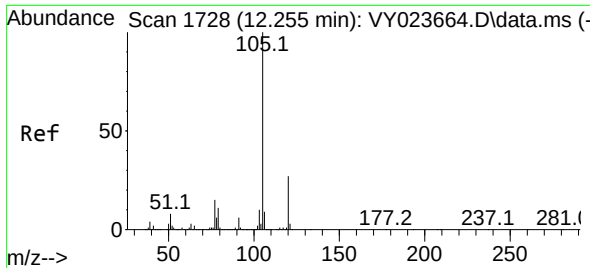


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09



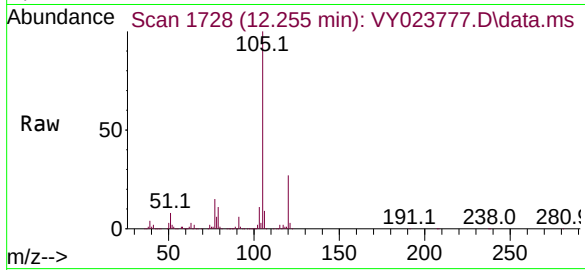
Tgt Ion:152 Resp: 370605
Ion Ratio Lower Upper
152 100
115 57.3 27.5 82.5
150 162.8 0.0 349.0





#73
Isopropylbenzene
Concen: 20.296 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

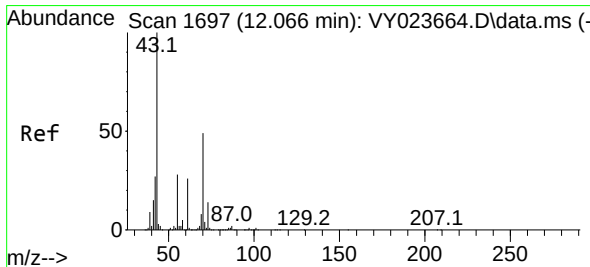
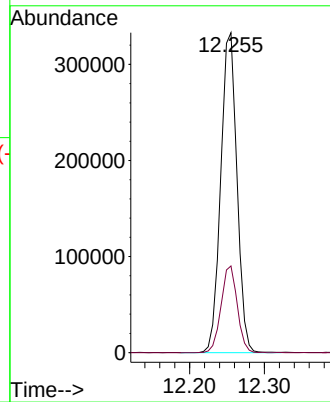
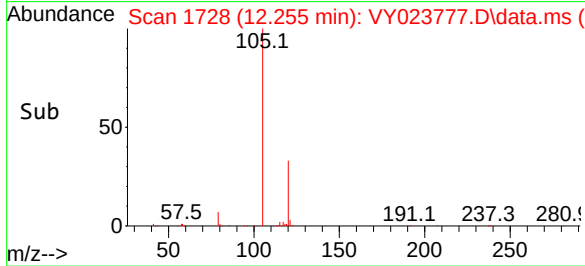
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



Tgt Ion:105 Resp: 503084
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

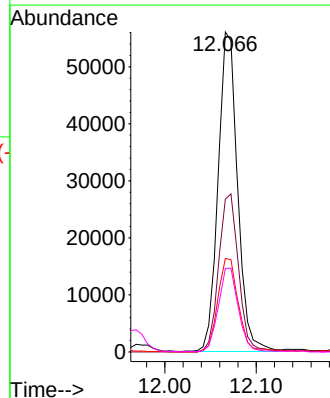
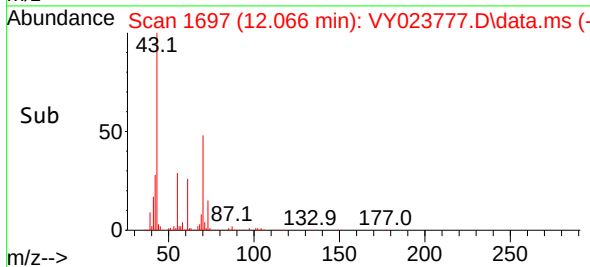
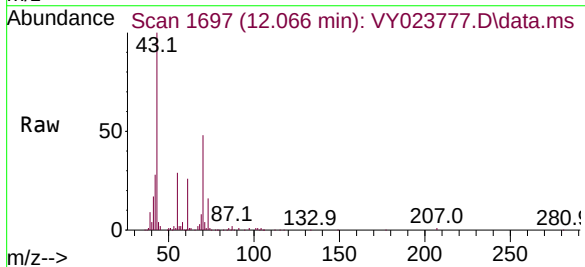
Manual Integrations
APPROVED

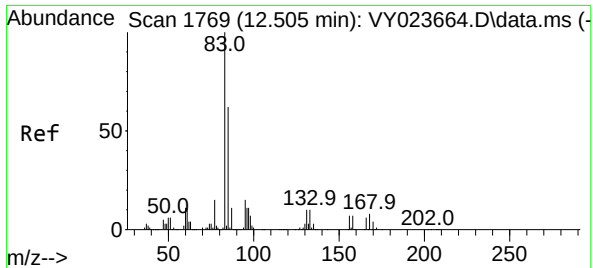
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 19.792 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

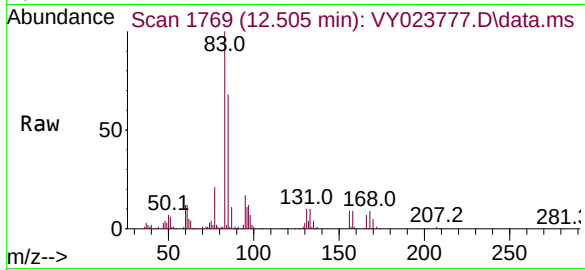
Tgt Ion: 43 Resp: 83057
Ion Ratio Lower Upper
43 100
70 50.8 40.1 60.1
55 31.1 23.0 34.6
61 27.1 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 20.353 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

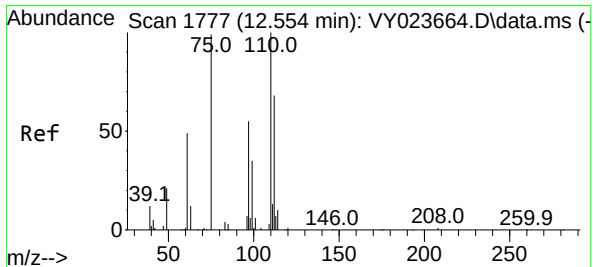
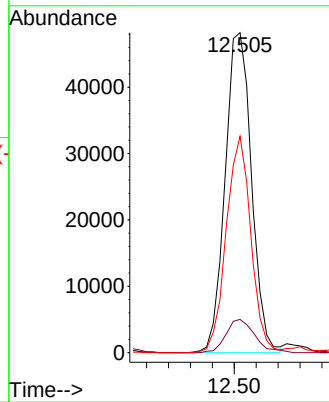
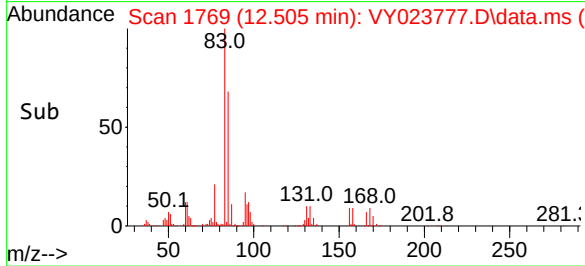
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



Tgt Ion: 83 Resp: 80572
Ion Ratio Lower Upper
83 100
131 11.2 5.7 17.0
85 63.2 31.9 95.7

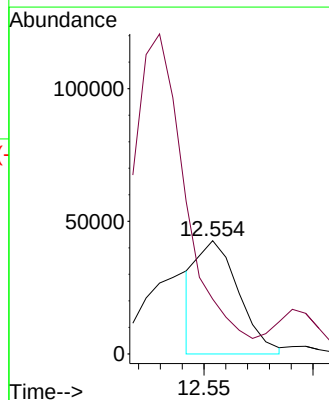
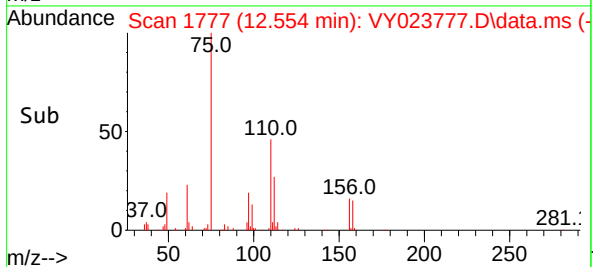
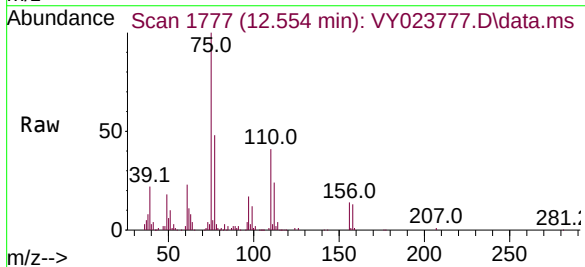
Manual Integrations
APPROVED

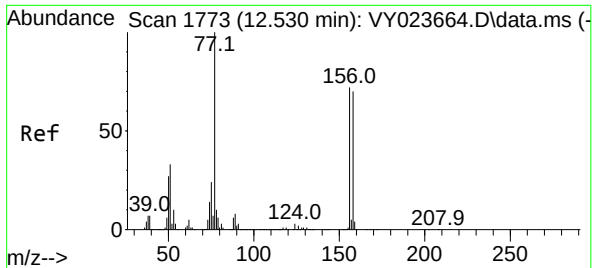
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 19.123 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion: 75 Resp: 57357
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.789 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:156 Resp: 127235

Ion Ratio Lower Upper

156 100

77 166.2 77.9 233.7

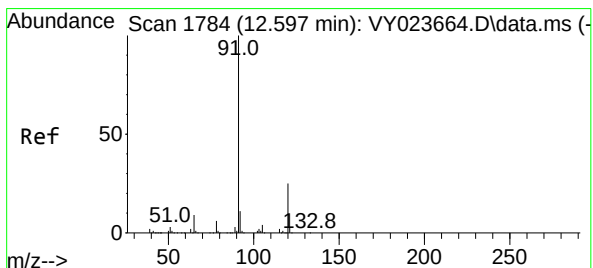
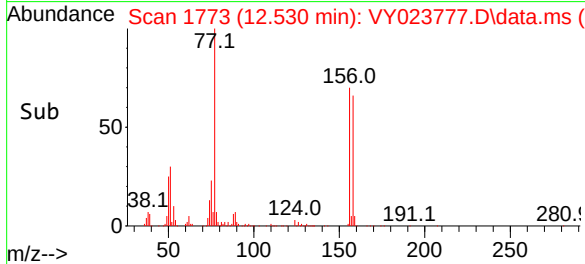
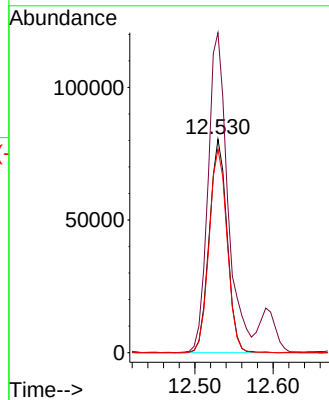
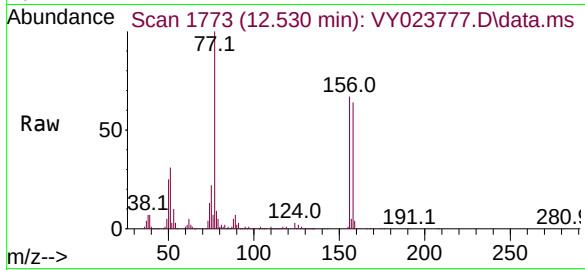
158 96.2 48.5 145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 20.769 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY023777.D

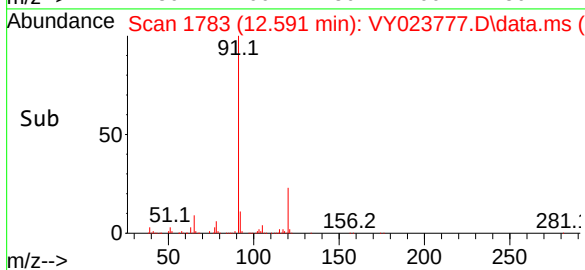
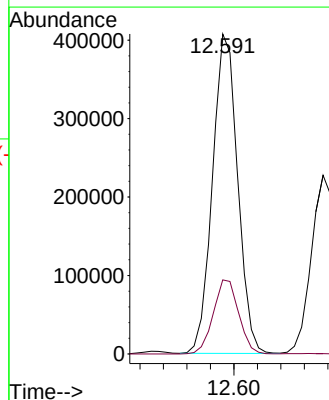
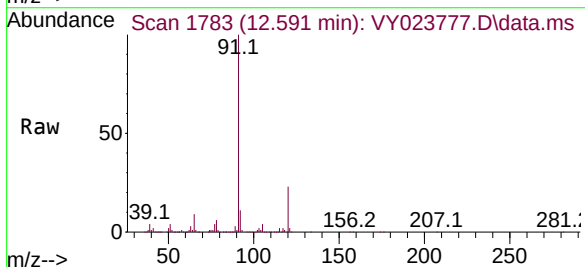
Acq: 13 Nov 2025 11:09

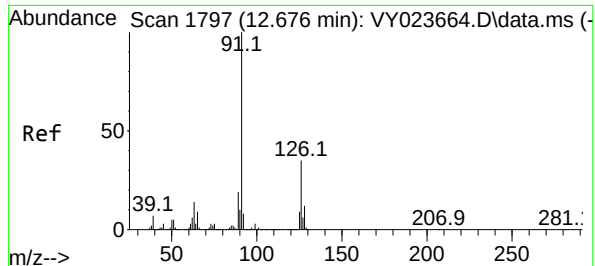
Tgt Ion: 91 Resp: 605532

Ion Ratio Lower Upper

91 100

120 23.4 12.0 36.1





#79

2-Chlorotoluene

Concen: 20.742 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion: 91 Resp: 350932

Ion Ratio Lower Upper

91 100

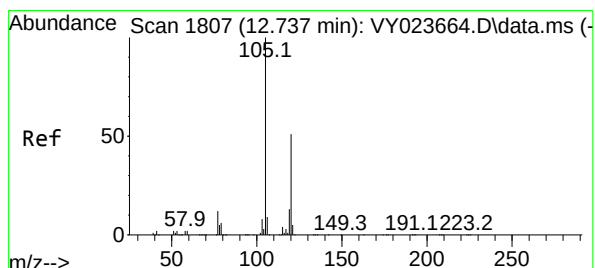
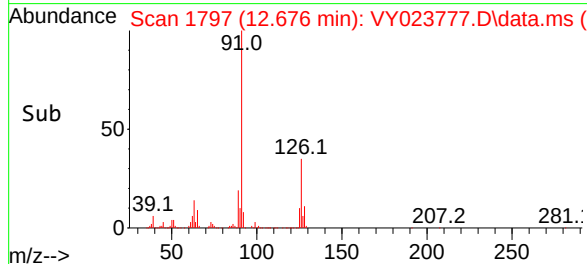
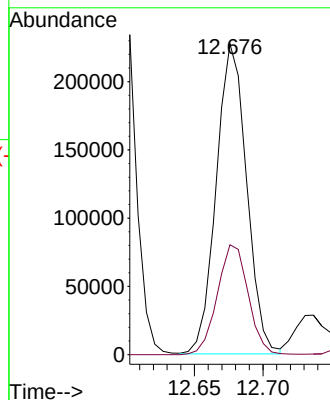
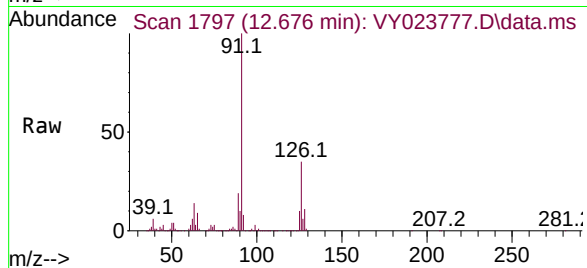
126 35.9 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.617 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023777.D

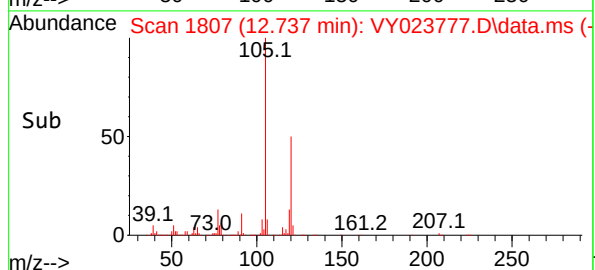
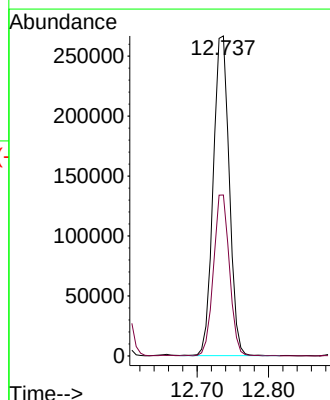
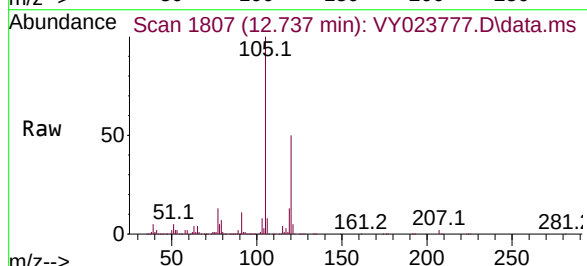
Acq: 13 Nov 2025 11:09

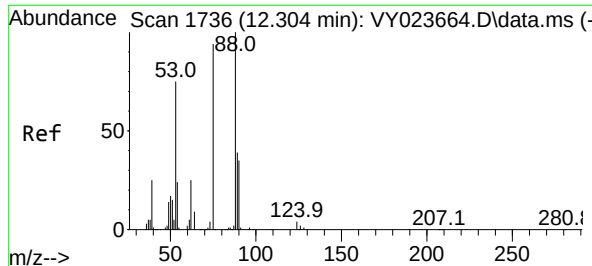
Tgt Ion:105 Resp: 415196

Ion Ratio Lower Upper

105 100

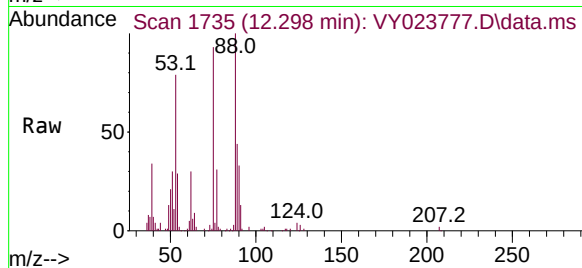
120 49.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.636 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

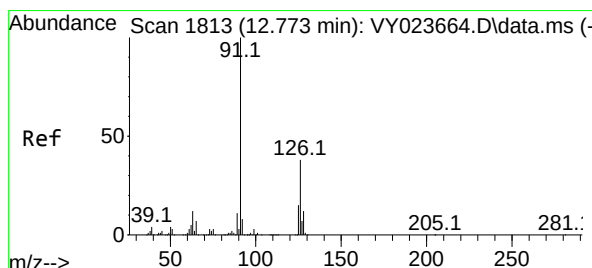
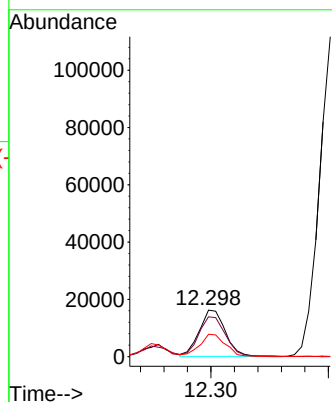
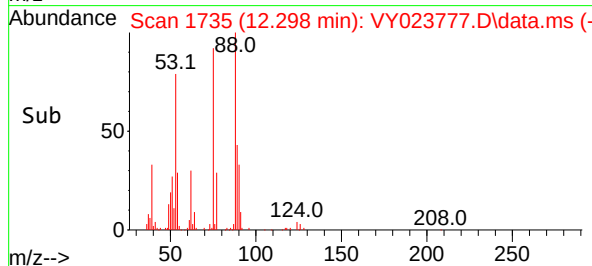
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



Tgt Ion: 75 Resp: 24733
Ion Ratio Lower Upper
75 100
53 88.5 69.6 104.4
89 48.2 38.2 57.4

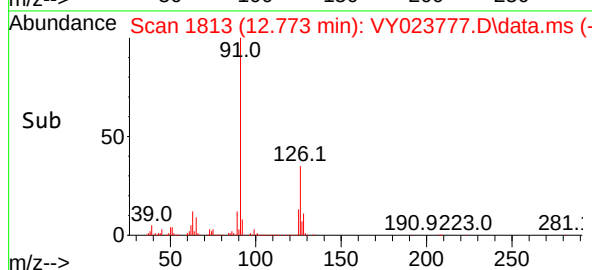
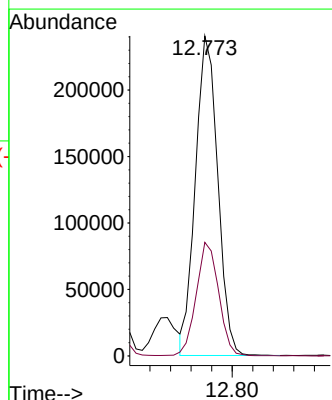
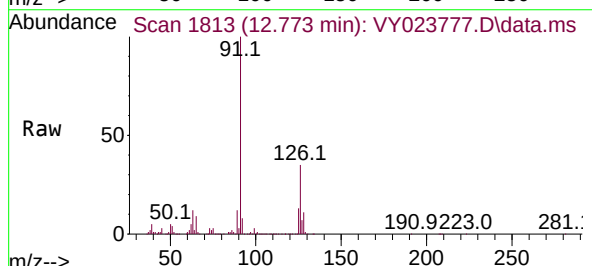
Manual Integrations
APPROVED

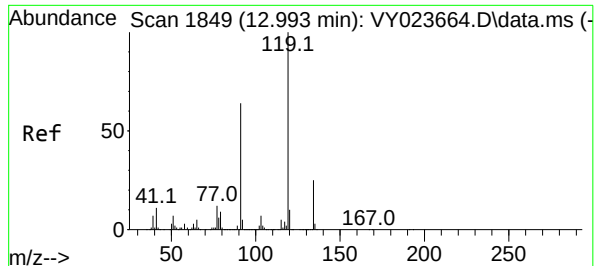
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 20.725 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion: 91 Resp: 361606
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.4





#83

tert-Butylbenzene

Concen: 19.900 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion:119 Resp: 365003

Ion Ratio Lower Upper

119 100

91 62.2 30.7 92.1

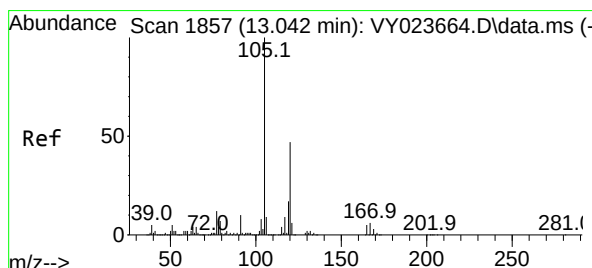
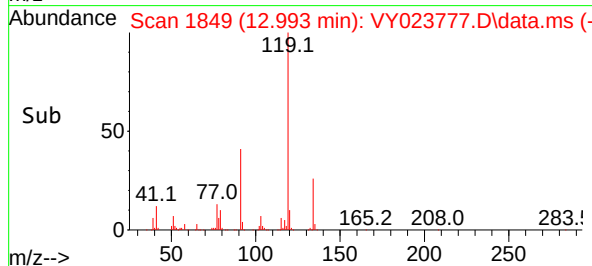
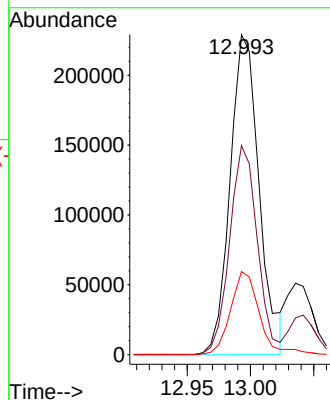
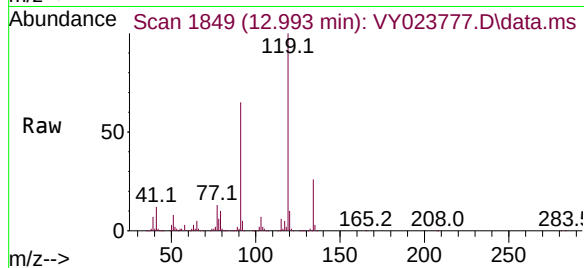
134 25.9 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.523 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023777.D

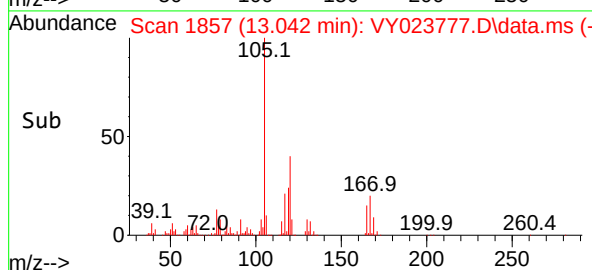
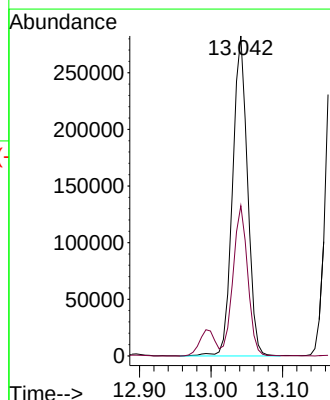
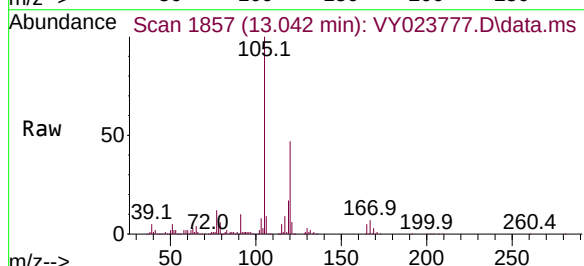
Acq: 13 Nov 2025 11:09

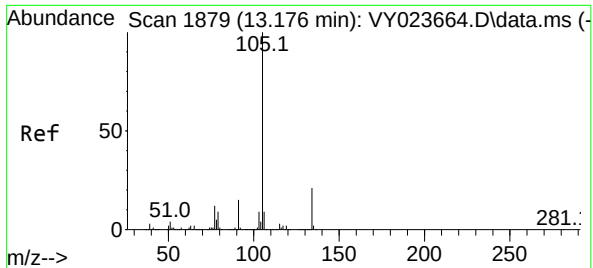
Tgt Ion:105 Resp: 409365

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.341 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01

Tgt Ion:105 Resp: 53814

Ion Ratio Lower Upper

105 100

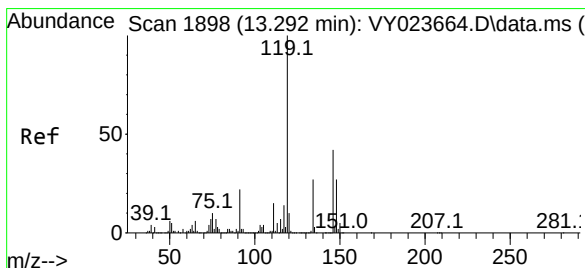
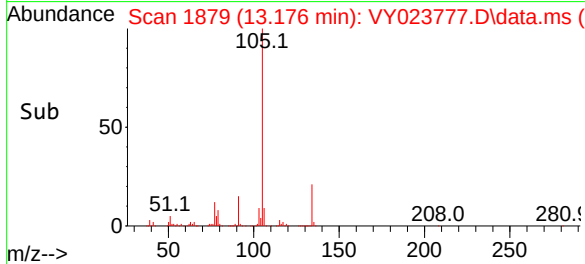
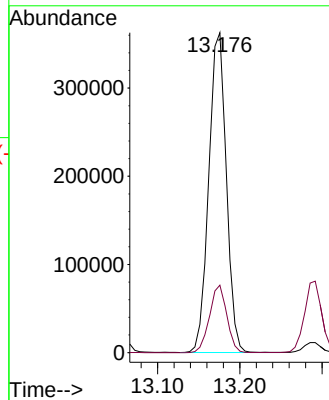
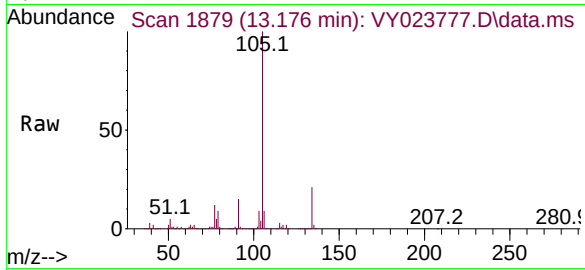
134 20.7 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

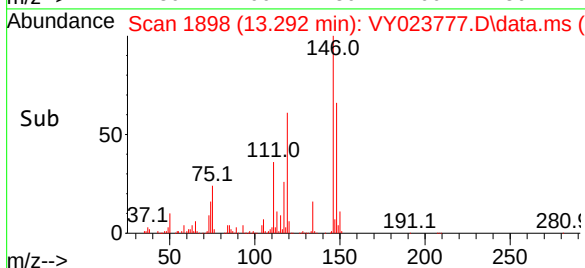
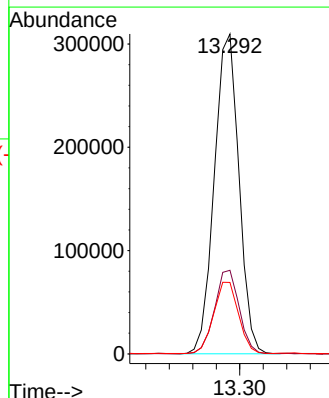
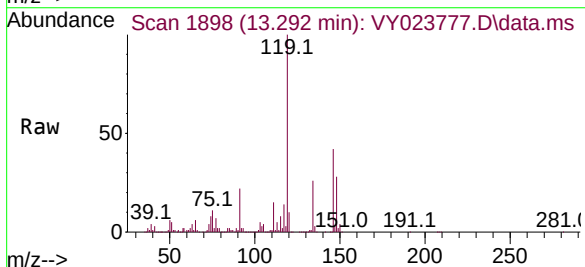
Tgt Ion:119 Resp: 449740

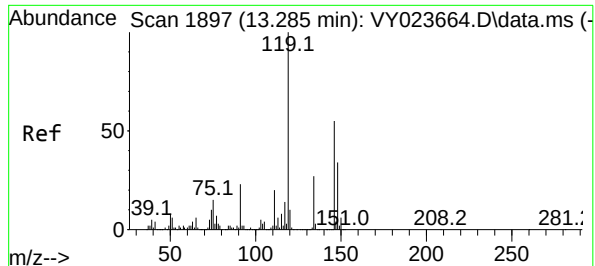
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 22.6 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.840 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBSD01

Tgt Ion:146 Resp: 251073

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.3

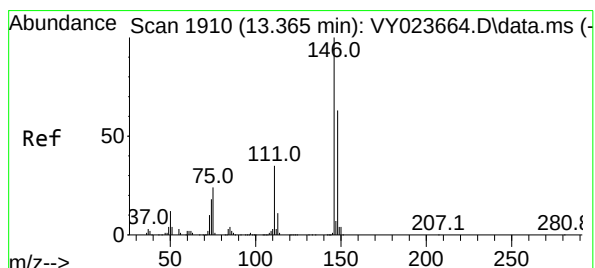
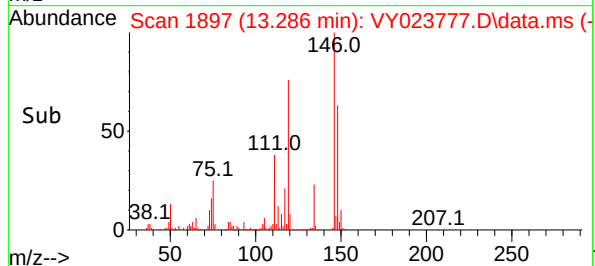
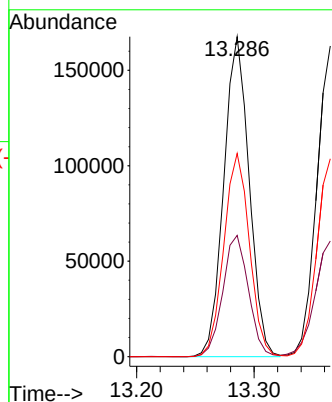
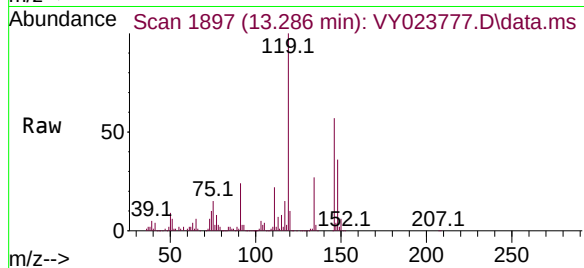
148 64.1 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#88

1,4-Dichlorobenzene

Concen: 19.732 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

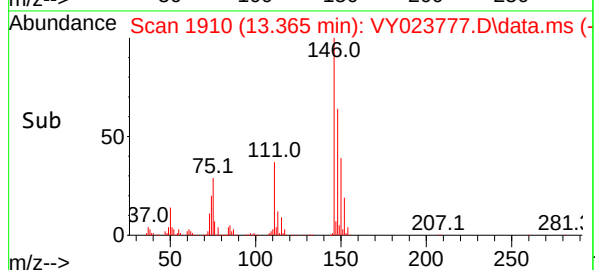
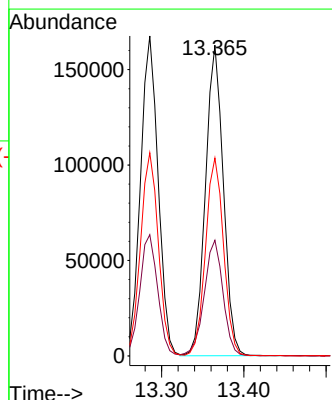
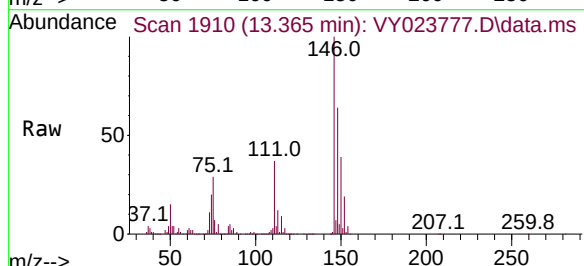
Tgt Ion:146 Resp: 245279

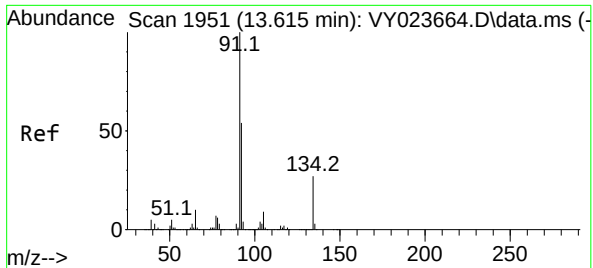
Ion Ratio Lower Upper

146 100

111 39.2 18.3 54.8

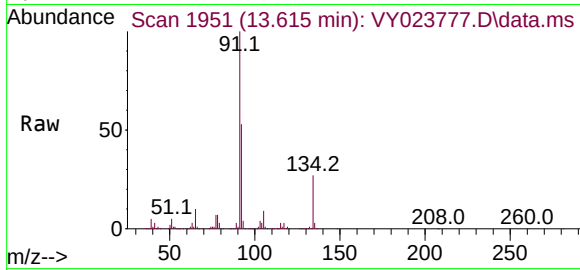
148 64.4 31.8 95.3





#89
n-Butylbenzene
Concen: 20.424 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

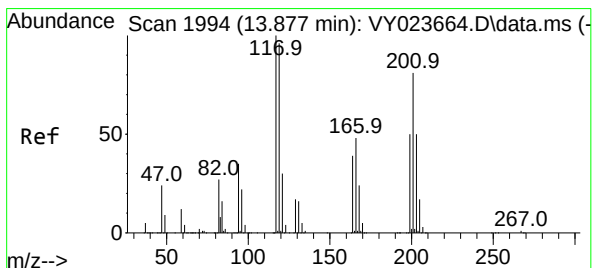
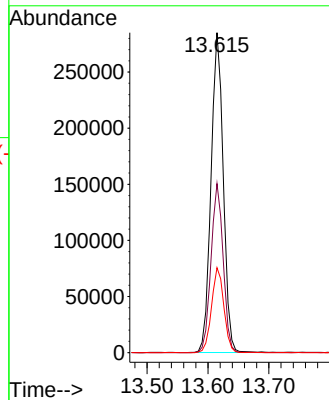
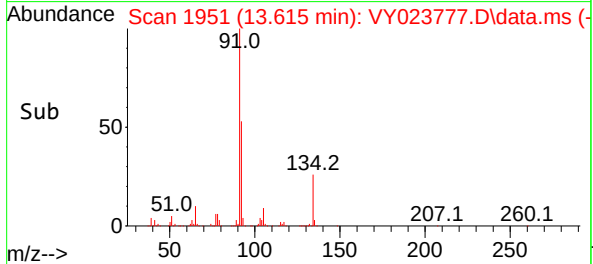
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01



Tgt Ion: 91 Resp: 397748
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.4
134 26.7 13.7 41.1

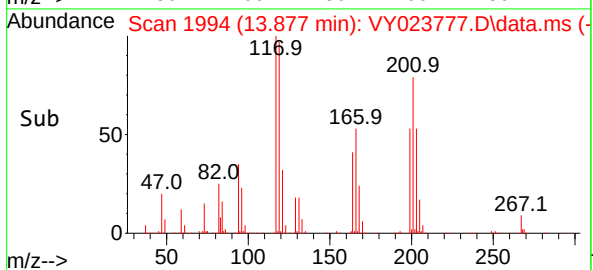
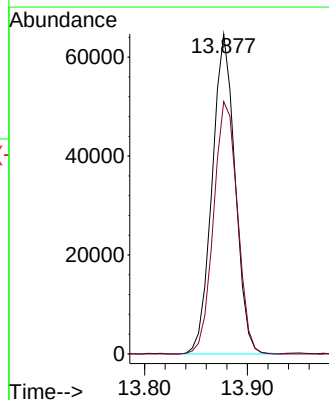
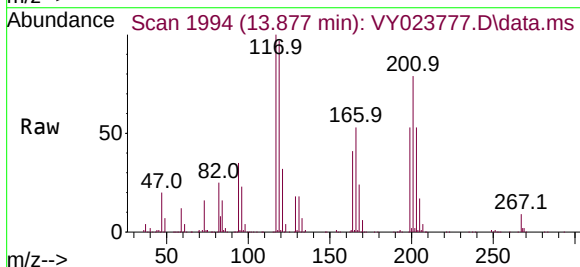
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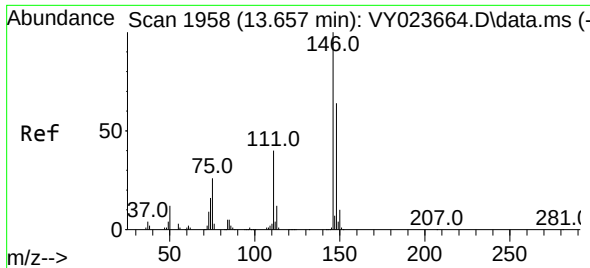
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#90
Hexachloroethane
Concen: 20.846 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion:117 Resp: 100331
Ion Ratio Lower Upper
117 100
201 82.1 42.3 126.8





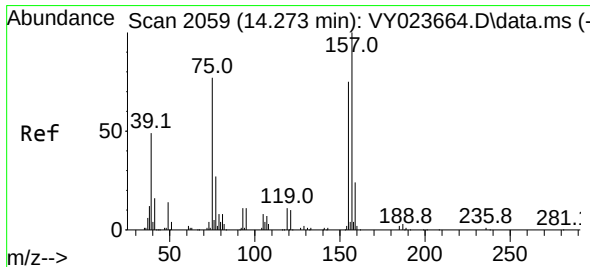
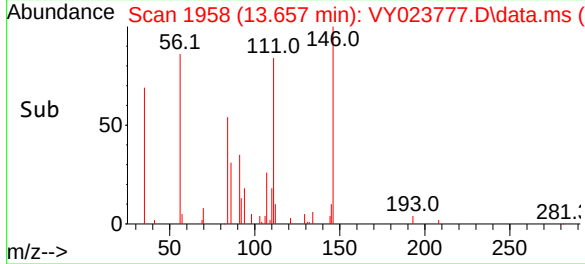
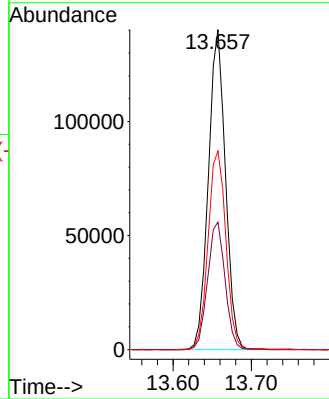
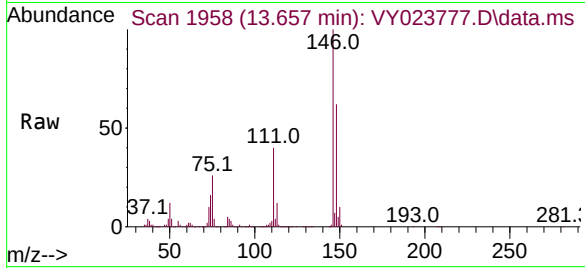
#91
1,2-Dichlorobenzene
Concen: 19.562 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBSD01

Tgt Ion:146 Resp: 213329
Ion Ratio Lower Upper
146 100
111 40.7 19.5 58.5
148 64.7 31.9 95.9

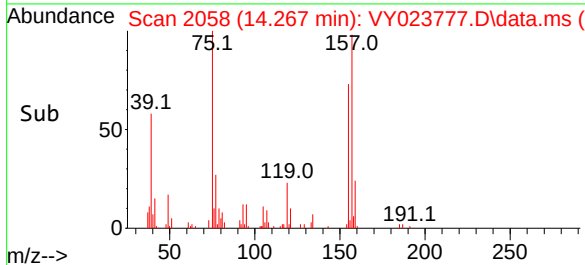
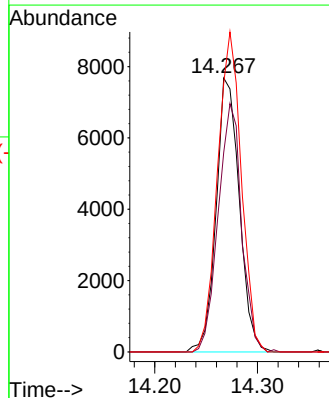
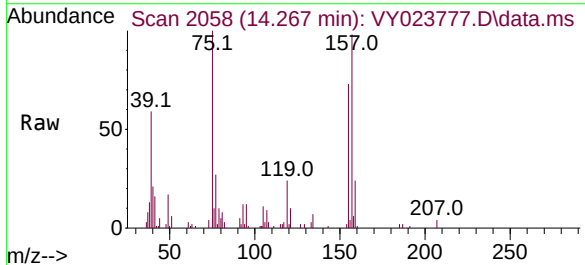
Manual Integrations
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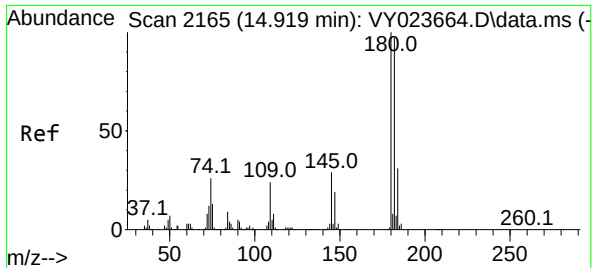
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.736 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion: 75 Resp: 12030
Ion Ratio Lower Upper
75 100
155 91.4 49.4 148.2
157 120.1 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 22.314 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023777.D

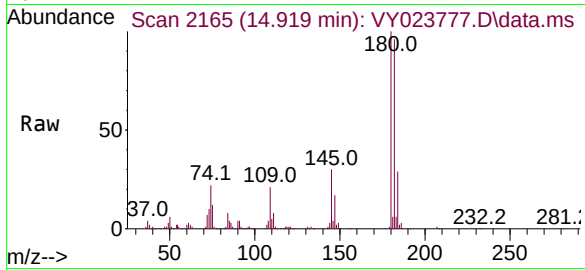
Acq: 13 Nov 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBS01



Tgt Ion:180 Resp: 139193

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.6

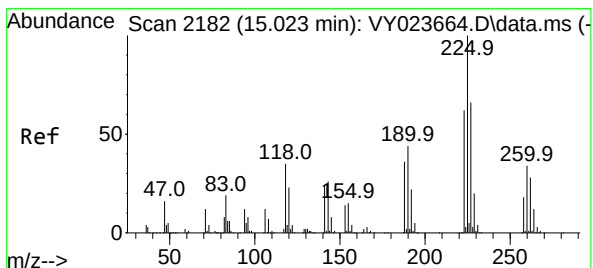
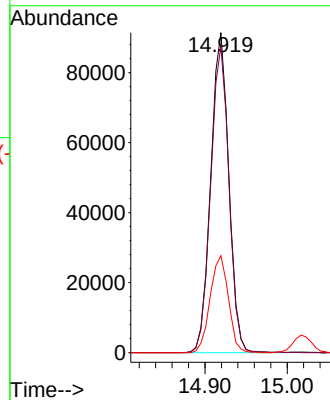
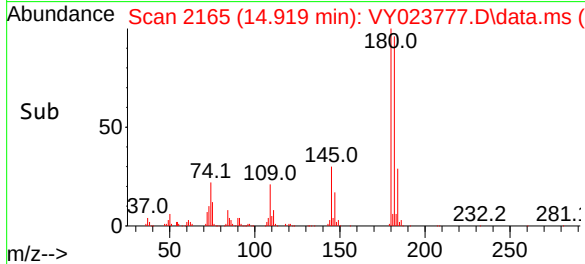
145 30.6 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#94

Hexachlorobutadiene

Concen: 23.585 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023777.D

Acq: 13 Nov 2025 11:09

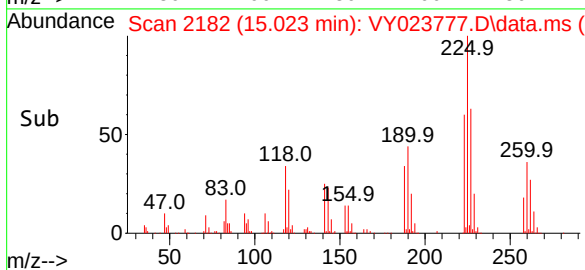
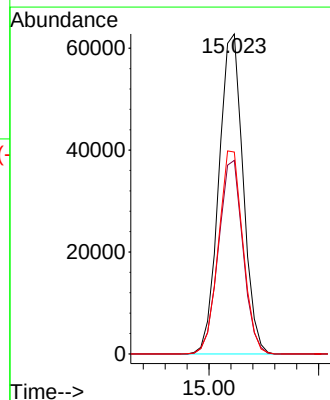
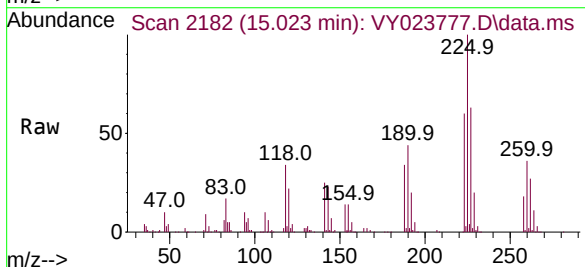
Tgt Ion:225 Resp: 96394

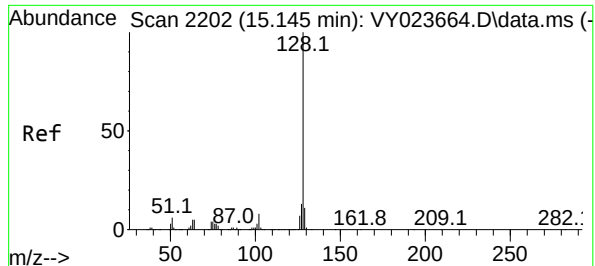
Ion Ratio Lower Upper

225 100

223 61.0 30.8 92.3

227 63.9 32.0 96.2





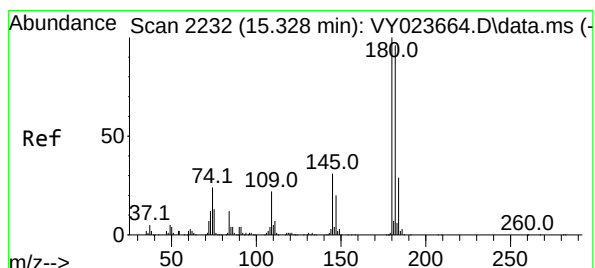
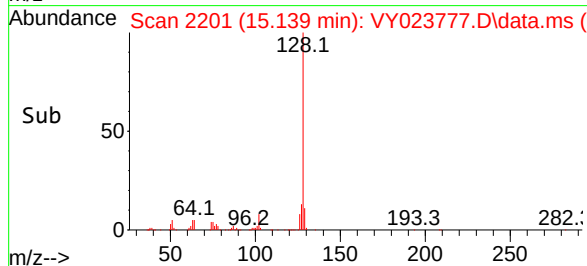
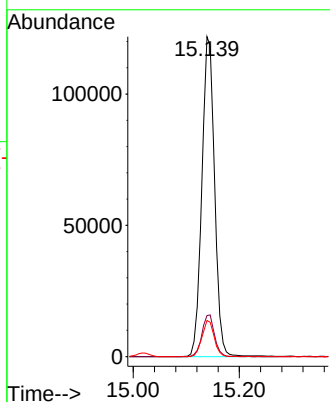
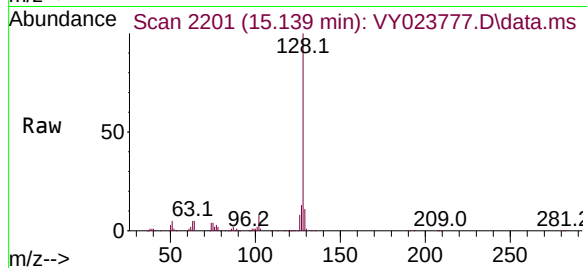
#95
Naphthalene
Concen: 21.907 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBS01

Tgt Ion:128 Resp: 202862
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.8 13.2

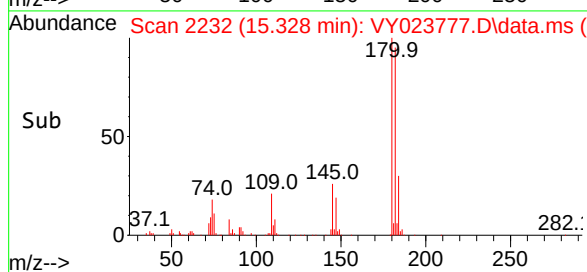
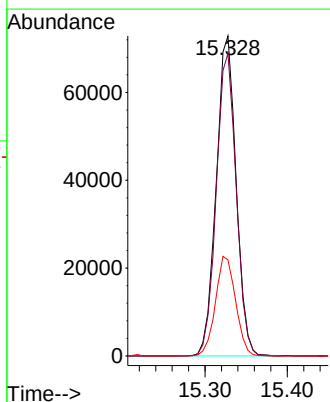
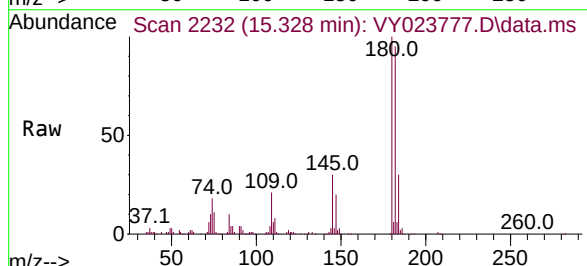
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 23.455 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023777.D
Acq: 13 Nov 2025 11:09

Tgt Ion:180 Resp: 122243
Ion Ratio Lower Upper
180 100
182 94.7 47.5 142.6
145 31.5 15.5 46.5



Manual Integration Report

Sequence:	VY110425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023661.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:41 PM	MMDadoda	11/5/2025 2:42:20 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	Methacrylonitrile	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	Methacrylonitrile	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICCC050	VY023664.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:54 PM	MMDadoda	11/5/2025 2:42:29 PM	Peak Integrated by Software
VSTDICC100	VY023665.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:22 PM	MMDadoda	11/5/2025 2:42:32 PM	Peak Integrated by Software
VSTDICC150	VY023666.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:59 PM	MMDadoda	11/5/2025 2:42:36 PM	Peak Integrated by Software
VSTDICV050	VY023668.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:40:02 PM	MMDadoda	11/5/2025 2:42:40 PM	Peak Integrated by Software
VSTDCCC050	VY023677.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:12 PM	MMDadoda	11/5/2025 2:42:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY111325

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023774.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:56:33 AM	MMDadoda	11/14/2025 10:56:52 AM	Peak Integrated by Software
VY1113SBS01	VY023776.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:56:36 AM	MMDadoda	11/14/2025 10:56:56 AM	Peak Integrated by Software
VY1113SBSD01	VY023777.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:56:39 AM	MMDadoda	11/14/2025 10:57:01 AM	Peak Integrated by Software
VY1113SBSD01	VY023777.D	Methacrylonitrile	Amit	11/14/2025 9:56:39 AM	MMDadoda	11/14/2025 10:57:01 AM	Peak Integrated by Software
VSTDCCC050	VY023784.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:56:43 AM	MMDadoda	11/14/2025 10:57:05 AM	Peak Integrated by Software
VSTDCCC050	VY023784.D	Methacrylonitrile	Amit	11/14/2025 9:56:43 AM	MMDadoda	11/14/2025 10:57:05 AM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP136031			
Initial Calibration Stds		VP136032,VP136033,VP136034,VP136035,VP136036,VP136037			
CCC		VP136050,LOD VP136051,VP136052,LOQ VP136053			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP136038			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023660.D	04 Nov 2025 08:11	SY/MD	Ok
2	VSTDIC005	VY023661.D	04 Nov 2025 09:19	SY/MD	Ok,M
3	VSTDIC010	VY023662.D	04 Nov 2025 09:42	SY/MD	Ok,M
4	VSTDIC020	VY023663.D	04 Nov 2025 10:19	SY/MD	Ok,M
5	VSTDIC050	VY023664.D	04 Nov 2025 10:42	SY/MD	Ok,M
6	VSTDIC100	VY023665.D	04 Nov 2025 11:05	SY/MD	Ok,M
7	VSTDIC150	VY023666.D	04 Nov 2025 11:27	SY/MD	Ok,M
8	VIBLK	VY023667.D	04 Nov 2025 11:51	SY/MD	Ok
9	VSTDICV050	VY023668.D	04 Nov 2025 12:14	SY/MD	Ok,M
10	VY1104SBL01	VY023669.D	04 Nov 2025 12:37	SY/MD	Ok
11	VY1104SBS01	VY023670.D	04 Nov 2025 13:14	SY/MD	Ok,M
12	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37	SY/MD	Ok,M
13	Q3530-01	VY023672.D	04 Nov 2025 14:08	SY/MD	Ok,M
14	Q3530-01	VY023673.D	04 Nov 2025 14:31	SY/MD	Ok,M
15	Q3530-02	VY023674.D	04 Nov 2025 14:53	SY/MD	Ok,M
16	Q3532-03	VY023675.D	04 Nov 2025 15:16	SY/MD	Ok
17	Q3532-07	VY023676.D	04 Nov 2025 15:40	SY/MD	Ok
18	VSTDCCC050	VY023677.D	04 Nov 2025 16:26	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY111325

Review By	Amit Patel	Review On	11/14/2025 9:56:57 AM
Supervise By	Maresh Dadoda	Supervise On	11/14/2025 10:57:16 AM
SubDirectory	VY111325	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136192		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136190,VP136191 VP136146		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023773.D	13 Nov 2025 09:06	SY/MD	Ok
2	VSTDCCC050	VY023774.D	13 Nov 2025 09:48	SY/MD	Ok,M
3	VY1113SBL01	VY023775.D	13 Nov 2025 10:17	SY/MD	Ok
4	VY1113SBS01	VY023776.D	13 Nov 2025 10:46	SY/MD	Ok,M
5	VY1113SBSD01	VY023777.D	13 Nov 2025 11:09	SY/MD	Ok,M
6	Q3615-01	VY023778.D	13 Nov 2025 11:51	SY/MD	ReRun
7	Q3615-01	VY023779.D	13 Nov 2025 12:14	SY/MD	Ok
8	Q3618-01	VY023780.D	13 Nov 2025 12:38	SY/MD	Ok
9	Q3618-02	VY023781.D	13 Nov 2025 13:01	SY/MD	Ok
10	Q3628-03	VY023782.D	13 Nov 2025 13:25	SY/MD	Ok
11	VIBLK	VY023783.D	13 Nov 2025 13:57	SY/MD	Ok
12	VSTDCCC050	VY023784.D	13 Nov 2025 14:20	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM
Supervise By	Maresh Dadoda	Supervise On	11/6/2025 8:39:21 AM
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y HP Processing Method 82y110425s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP136031		
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037		
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053		
Internal Standard/PEM	VP133934		
ICV/I.BLK	VP136038		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023660.D	04 Nov 2025 08:11		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY023661.D	04 Nov 2025 09:19		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY023662.D	04 Nov 2025 09:42		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY023663.D	04 Nov 2025 10:19		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY023664.D	04 Nov 2025 10:42	Comp. #95 on Linear Regression	SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY023665.D	04 Nov 2025 11:05		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY023666.D	04 Nov 2025 11:27		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023667.D	04 Nov 2025 11:51		SY/MD	Ok
9	VSTDICV050	ICVVY110425	VY023668.D	04 Nov 2025 12:14		SY/MD	Ok,M
10	VY1104SBL01	VY1104SBL01	VY023669.D	04 Nov 2025 12:37		SY/MD	Ok
11	VY1104SBS01	VY1104SBS01	VY023670.D	04 Nov 2025 13:14		SY/MD	Ok,M
12	VY1104SBSD01	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37		SY/MD	Ok,M
13	Q3530-01	LOD-MDL-SOIL-01-QT	VY023672.D	04 Nov 2025 14:08		SY/MD	Ok,M
14	Q3530-01	LOD-MDL-SOIL-01-QT	VY023673.D	04 Nov 2025 14:31		SY/MD	Ok,M
15	Q3530-02	LOQ-SOIL-02-QT4-202	VY023674.D	04 Nov 2025 14:53		SY/MD	Ok,M
16	Q3532-03	TP-1-VOC	VY023675.D	04 Nov 2025 15:16	vial-A	SY/MD	Ok
17	Q3532-07	TP-2-VOC	VY023676.D	04 Nov 2025 15:40	vial-A	SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY023677.D	04 Nov 2025 16:26		SY/MD	Ok,M

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP136031				
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037				
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053				
Internal Standard/PEM	VP133934				
ICV/I.BLK	VP136038				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY111325

Review By	Amit Patel	Review On	11/14/2025 9:56:57 AM
Supervise By	Maresh Dadoda	Supervise On	11/14/2025 10:57:16 AM
SubDirectory	VY111325	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136192
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136190,VP136191 VP136146

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023773.D	13 Nov 2025 09:06		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023774.D	13 Nov 2025 09:48		SY/MD	Ok,M
3	VY1113SBL01	VY1113SBL01	VY023775.D	13 Nov 2025 10:17		SY/MD	Ok
4	VY1113SBS01	VY1113SBS01	VY023776.D	13 Nov 2025 10:46		SY/MD	Ok,M
5	VY1113SBSD01	VY1113SBSD01	VY023777.D	13 Nov 2025 11:09		SY/MD	Ok,M
6	Q3615-01	East Bathhouse- Concr	VY023778.D	13 Nov 2025 11:51	vial-A Surrogate Fail	SY/MD	ReRun
7	Q3615-01	East Bathhouse- Concr	VY023779.D	13 Nov 2025 12:14	vial-B	SY/MD	Ok
8	Q3618-01	EME-TOP-SOIL	VY023780.D	13 Nov 2025 12:38	vial-A	SY/MD	Ok
9	Q3618-02	EME-GENERAL-FILL	VY023781.D	13 Nov 2025 13:01	vial-A	SY/MD	Ok
10	Q3628-03	TP-5-VOC	VY023782.D	13 Nov 2025 13:25	vial-A	SY/MD	Ok
11	VIBLK	VIBLK	VY023783.D	13 Nov 2025 13:57		SY/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VY023784.D	13 Nov 2025 14:20		SY/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 11/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137869

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
Q3609-01	AU-713-COMP-01	1	1.15	10.53	11.68	9.74	81.6	
Q3609-02	AU-713-VOC-01	2	1.18	10.57	11.75	10.37	86.9	
Q3609-04	AU-713-COMP-02	3	1.19	10.53	11.72	10.1	84.6	
Q3609-05	AU-713-VOC-02	4	1.15	10.68	11.83	9.23	75.7	
Q3609-07	AU-713-COMP-03	5	1.19	10.33	11.52	10.00	85.3	
Q3609-08	AU-713-VOC-03	6	1.16	10.90	12.06	10.44	85.1	
Q3609-10	AU-713-COMP-04	7	1.18	10.34	11.52	9.51	80.6	
Q3609-11	AU-713-VOC-04	8	1.13	10.46	11.59	10.16	86.3	
Q3609-13	AU-713-COMP-05	9	1.14	10.49	11.63	10.05	84.9	
Q3609-14	AU-713-VOC-05	10	1.13	10.40	11.53	10.00	85.3	
Q3609-15	AU-713-COMP-05	11	1.14	10.49	11.63	10.05	84.9	
Q3610-01	AU-713-TPH-01	12	1.18	10.35	11.53	10.37	88.8	
Q3610-02	AU-713-TPH-02	13	1.19	10.50	11.69	9.48	79.0	
Q3610-03	AU-713-TPH-03	14	1.11	10.33	11.44	9.75	83.6	
Q3610-04	AU-713-TPH-04	15	1.18	10.42	11.6	9.1	76.0	
Q3610-05	AU-713-TPH-05	16	1.18	10.56	11.74	10.33	86.6	
Q3610-06	AU-713-TPH-06	17	1.19	10.37	11.56	10.03	85.2	
Q3610-07	AU-713-TPH-07	18	1.15	10.40	11.55	9.08	76.3	
Q3610-08	AU-713-TPH-08	19	1.19	10.43	11.62	10.04	84.9	
Q3610-09	AU-713-TPH-09	20	1.18	10.71	11.89	9.9	81.4	
Q3610-10	AU-713-TPH-10	21	1.16	10.24	11.4	9.96	85.9	
Q3610-11	AU-713-TPH-11	22	1.14	9.99	11.13	8.96	78.3	
Q3610-12	AU-713-TPH-12	23	1.19	10.49	11.68	9.99	83.9	
Q3610-13	AU-713-TPH-13	24	1.15	10.84	11.99	10.4	85.3	
Q3610-14	AU-713-TPH-14	25	1.18	10.50	11.68	10.44	88.2	
Q3610-15	AU-713-TPH-15	26	1.14	10.48	11.62	10.34	87.8	
Q3611-01	AU-713-01	27	1.13	10.54	11.67	9.83	82.5	
Q3611-02	AU-713-02	28	1.12	11.27	12.39	9.7	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 11/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137869

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
Q3611-03	AU-713-03	29	1.12	10.07	11.19	9.69	85.1	
Q3611-04	AU-713-04	30	1.16	10.64	11.8	9.27	76.2	
Q3611-05	AU-713-05	31	1.16	10.31	11.47	10.55	91.1	
Q3611-06	AU-713-06	32	1.18	10.70	11.88	10.14	83.7	
Q3611-07	AU-713-07	33	1.15	10.28	11.43	9.16	77.9	
Q3611-08	AU-713-08	34	1.19	10.71	11.9	10.05	82.7	
Q3611-09	AU-713-09	35	1.19	10.66	11.85	9.64	79.3	
Q3611-10	AU-713-10	36	1.17	10.13	11.3	9.79	85.1	
Q3611-11	AU-713-11	37	1.13	11.03	12.16	9.74	78.1	
Q3611-12	AU-713-12	38	1.11	10.13	11.24	9.17	79.6	
Q3611-13	AU-713-13	39	1.13	10.59	11.72	9.54	79.4	
Q3611-14	AU-713-14	40	1.16	10.23	11.39	10.02	86.6	
Q3611-15	AU-713-15	41	1.16	10.44	11.6	10.08	85.4	
Q3614-01	COMP-1	42	1.12	10.94	12.06	10.12	82.3	
Q3614-02	COMP-2	43	1.18	10.44	11.62	9.71	81.7	
Q3614-03	COMP-3	44	1.18	10.30	11.48	9.78	83.5	
Q3615-01	East Bathhouse-Concrete	45	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3618-01	EME-TOP-SOIL	46	1.18	10.33	11.51	8.44	70.3	
Q3618-02	EME-GENERAL-FILL	47	1.19	10.38	11.57	10.34	88.2	
Q3621-01	VNJ-231	48	1.16	10.38	11.54	11.06	95.4	
Q3621-02	VNJ-231	49	1.19	10.21	11.4	10.7	93.1	
Q3622-01	RT3071-SOLID	50	1.15	10.44	11.59	8.75	72.8	
Q3623-01	RBR200007-SOIL	51	1.13	10.84	11.97	10.5	86.4	
Q3623-02	RBR200007-SILICA	52	1.13	10.86	11.99	3.71	23.8	sludge sample
Q3624-01	OK-02-11122025	53	1.13	10.91	12.04	10.54	86.3	
Q3624-02	OK-02-11122025-E2	54	1.16	10.34	11.5	10.12	86.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UP 137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3609-01	AU-713-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-02	AU-713-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-04	AU-713-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-05	AU-713-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-07	AU-713-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-08	AU-713-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-10	AU-713-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-11	AU-713-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-13	AU-713-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-14	AU-713-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-15	AU-713-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-01	AU-713-TPH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-02	AU-713-TPH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-03	AU-713-TPH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-04	AU-713-TPH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-05	AU-713-TPH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-06	AU-713-TPH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-07	AU-713-TPH-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-08	AU-713-TPH-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-09	AU-713-TPH-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-10	AU-713-TPH-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO

Date/Time 11-12-25 15:30

Raw Sample Received by: JP WCI

Raw Sample Relinquished by: CP

Date/Time 11-12-25

Raw Sample Received by: JP WCI

Raw Sample Relinquished by: JP WCI

WORKLIST(Hardcopy Internal Chain)

137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3610-11	AU-713-TPH-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-12	AU-713-TPH-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-13	AU-713-TPH-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-14	AU-713-TPH-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-15	AU-713-TPH-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3611-01	AU-713-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-02	AU-713-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-03	AU-713-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-04	AU-713-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-05	AU-713-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-06	AU-713-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-07	AU-713-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-08	AU-713-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-09	AU-713-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-10	AU-713-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-11	AU-713-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-12	AU-713-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-13	AU-713-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-14	AU-713-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-15	AU-713-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3614-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO

Date/Time 11-12-25 13:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 11-12-25 17:40
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3614-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO
Q3614-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO
Q3615-01	East Bathroom- Concrete	Solid	Percent Solids	Cool 4 deg C	CORE02	J32	11/12/2025	Chemtech -SO
Q3618-01	EME-TOP-SOIL	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	11/12/2025	Chemtech -SO
Q3618-02	EME-GENERAL-FILL	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	11/12/2025	Chemtech -SO
Q3621-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3621-02	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3622-01	RT3071-SOLID	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3623-01	RBR200007-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3623-02	RBR200007-SILICA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3624-01	OK-02-11122025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/12/2025	Chemtech -SO
Q3624-02	OK-02-11122025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/12/2025	Chemtech -SO

Date/Time 11-12-25 15:30

Raw Sample Received by: SO (WC)

Raw Sample Relinquished by: [Signature]

Date/Time 11-12-25

Raw Sample Received by: CP [Signature]

Raw Sample Relinquished by: [Signature]

1740

Prep Standard - Chemical Standard Summary

Order ID : Q3618

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VY111325,

Standard ID :

VP134147,VP134149,VP134150,VP134934,VP134957,VP135834,VP135835,VP136027,VP136028,VP136146,VP136190,VP136191,VP136192,

Chemical ID :

V13391,V14291,V14511,V14512,V14533,V14534,V14625,V14636,V14637,V14638,V14639,V14673,V14697,V14698,V14701,V14735,V14738,V14813,V14816,V14844,V14906,V14928,V14929,V14931,V14937,V14955,V14956,V15073,V15074,V15075,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135834	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								10/17/2025

FROM 1.00000ml of V15073 + 1.50000ml of V15074 + 1.50000ml of V15075 + 21.00000ml of V14928 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135835	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								10/17/2025

FROM 7.50000ml of V14928 + 12.50000ml of VP135834 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP136027	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/04/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14511 + 1.00000ml of V14512 + 1.00000ml of V14533 + 1.00000ml of V14534 + 1.00000ml of V14701 + 1.00000ml of V14735 + 1.00000ml of V14738 + 1.00000ml of V14813 + 1.00000ml of V14816 + 1.00000ml of V14955 + 1.00000ml of V14956 + 1.50000ml of V14697 + 1.50000ml of V14698 + 10.60000ml of V14931 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP136028	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/04/2025

FROM 5.62500ml of V14931 + 9.37500ml of VP136027 = Final Quantity: 15.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP136146	11/11/2025	04/30/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/12/2025

FROM 0.05000ml of V14291 + 24.95000ml of V14937 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP136190	11/13/2025	11/14/2025	Amit Patel	None	None	Mahesh Dadoda 11/14/2025
<u>FROM</u>	4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135835 + 0.00250ml of VP136028 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP136191	11/13/2025	11/14/2025	Amit Patel	None	None	Mahesh Dadoda 11/14/2025
<u>FROM</u>	4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135835 + 0.00250ml of VP136028 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP136192	11/13/2025	11/14/2025	Amit Patel	None	None	Mahesh Dadoda 11/14/2025
<u>FROM</u> 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/11/2026	11/11/2025 / sam	04/15/2024 / SAM	V14291

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14534

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14701

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14735

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14738

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14813

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14816

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/27/2026	10/27/2025 / sam	05/09/2025 / SAM	V14931

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/30/2026	10/31/2025 / Amit	05/09/2025 / SAM	V14937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15075

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Balance Uncertainty
Flask Uncertainty

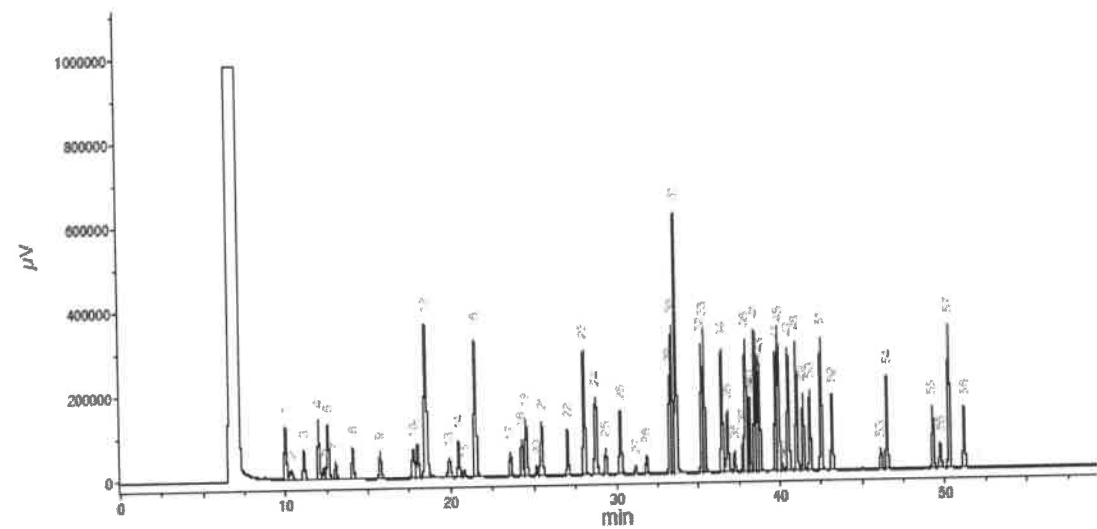
Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KMe)	Lot	Dir.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty	(+/-) (µg/mL)	CASE	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2450mg/kg	
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	N/A	N/A	
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A	
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A	
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg	
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	or-rat 75mg/kg	
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2460mg/kg	
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H)(skin)	or-rat 120mg/kg	
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	or-rat 277mg/kg	
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	or-rat 780mg/kg	
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
15. Perchloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A	
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg	
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg	
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg	
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	158-59-2	N/A	N/A	
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	N/A	
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 1235mg/kg	
22. 1,1-Dichloroethane	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg	
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	58-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg	
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg	
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A	
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	or-rat 2629mg/kg	
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg	
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-83-4	20 ppm (8H)	or-rat 108mg/kg	
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg	
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg	
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A	
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A	
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A	
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg	
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	or-rat 800mg/kg	
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	or-rat 936mg/kg	
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg	
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	98-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg	
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg	
46. Bromobenzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	N/A	or-rat 2699mg/kg	
47. n-Butyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg	
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg	
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg	
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg	
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-63-6	N/A	or-rat 5g/kg	
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg	
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A	
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg	
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg	
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg	
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-			

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	13.56
7	Carbon disulfide/Methylene chloride	13.94
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methoxyvinylbenzene/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2-Pentene	27.07
22	cis-1,2-Dichloroethene	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloroethene	29.34
25	1,1,2-Trichloroethane	30.34
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	31.84
28	1,2-Dibromomethane	33.06
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption	ingestion and inhalation.
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing.	Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Balance Uncertainty
Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(K049)	Lot	Dir.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc. (µg/mL)	Uncertainty	(Solvent Safety Info. On Attached pg.)		
													(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	0324	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2450mg/kg
2. Allyl chloride (3-Chloropropene)	0325	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	0060	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	1196	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	0486	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	0153	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	0381	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	0489	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 75mg/kg
9. 2-Methyl-1-propanol	0445	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2460mg/kg
10. Methacrylonitrile	0442	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	1075	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	0404	MKBW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	0228	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	0461	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Perchloroethane	0460	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	0474	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	32261	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-1	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40005.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40008.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	

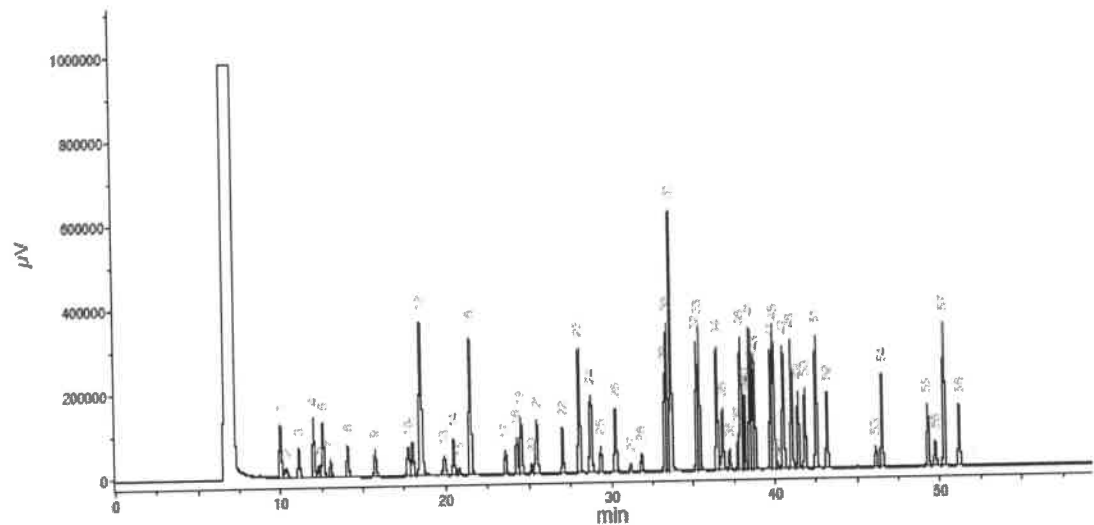


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methoxyvinylbenzene/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethene	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.34
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.58
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		
Methanol	METHYL ALCOHOL	CAS#: 67-56-1
		% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



Dec 09/17/24

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:91980
091424
AcroleinSolvent(s):
WaterLot#
072324QExpiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:101424
Refrigerate (4 °C)
5000
6UTBWeight(s) shown below were combined and diluted to (mL):
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05186	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC/MSD-1, Detector: Mass Selective Detector (Scan mode). Columns: Vocol (60m X 0.25mm ID X 1.5µm film thickness), Oven Profile: Temp. 1 = 35°C (Time 1 = 0min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, NOTE: Due to the instability of acrolein in solution, all solutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

Abundance
27250000
8.93200000
56150000
40000100000
3000010000
2000050000
10000

37

Time--> 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00 m/z--> 20 30 40 50 60 70 80 85 119 158 169

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



Dec 09/17/24

CERTIFIED WEIGHT REPORT

Part Number:

91980

Lot Number:

091424

Description:

Acrolein

Solvent(s):

Water

Lot#

072324Q

Expiration Date:

101424

Recommended Storage:

Refrigerate (4 °C)

Nominal Concentration (µg/mL):

5000

NIST Test ID#:

6UTB

5E-05 Balance Uncertainty

0.001 Flask Uncertainty

10.0

Weight(s) shown below were combined and diluted to (mL):

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50

1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC/MSD-1, Detector: Mass Selective Detector (Scan mode). Columns: Vocol (60m X 0.25mm ID X 1.5µm film thickness), Oven Profile: Temp. 1 = 35°C (Time 1 = 0min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, NOTE: Due to the instability of acrolein in solution, all solutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

Abundance

27

250000

8.93

200000

C=CC=O

50000

56

150000

40000

30000

20000

50000

10000

37

Time-->

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

m/z-->

0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

44 65 75 85 119 158 169

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Rec 1216124
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date:
Recommended Storage:
Refrigerate (4 °C)
Nominal Concentration (µg/mL):
10000
NIST Test ID#:
6UTB

✓ 14630 to
✓ 14649

Weight(s) shown below were combined and diluted to (mL):

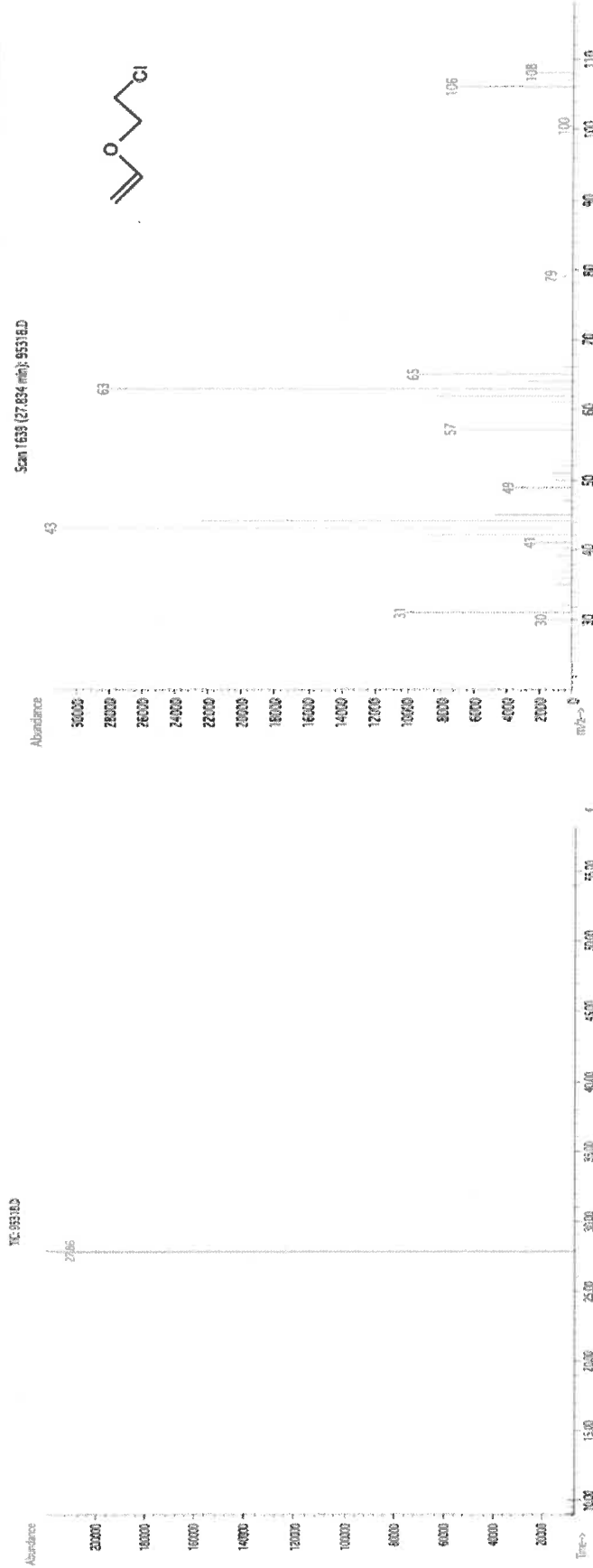
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Expanded
Uncertainty
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LDSO

SDS Information

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	or-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp. = 220°C. Analyst: Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

95318
120524
2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

120527
Refrigerate (4 °C)
10000
6UTB

Weight(s) shown below were combined and diluted to (mL):

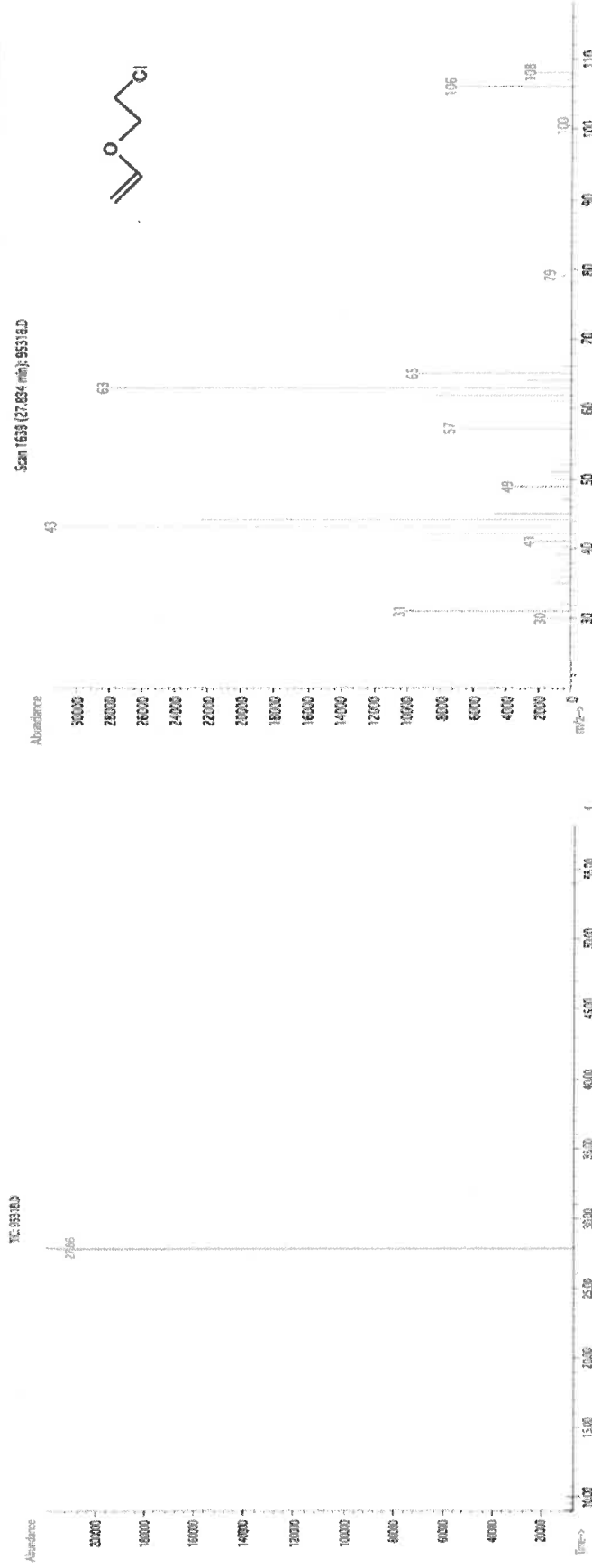
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524	DATE
Reviewed By:	Pedro L. Rentas	120524	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50

1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.50536 0.50550 10002.9 40.5 110-75-8 N/A or-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rosotto Dr. Hamden CT. 06514	Emergency Telephone International Date Prepared/Revised	1-352-323-3500 January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm		
Skin notation	TWA 200 ppm		
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Dec 12/6/24
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

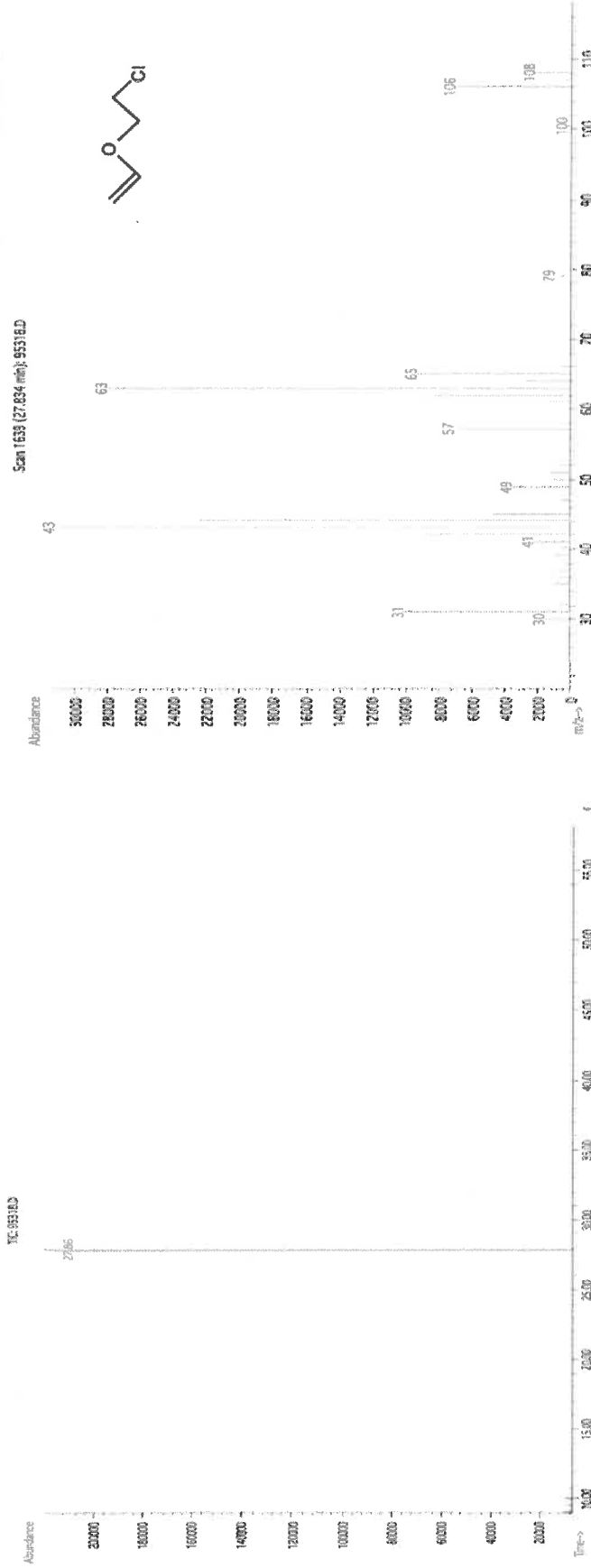
✓ 14630 to
✓ 14649

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8 N/A or-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Dec 12/16/24
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

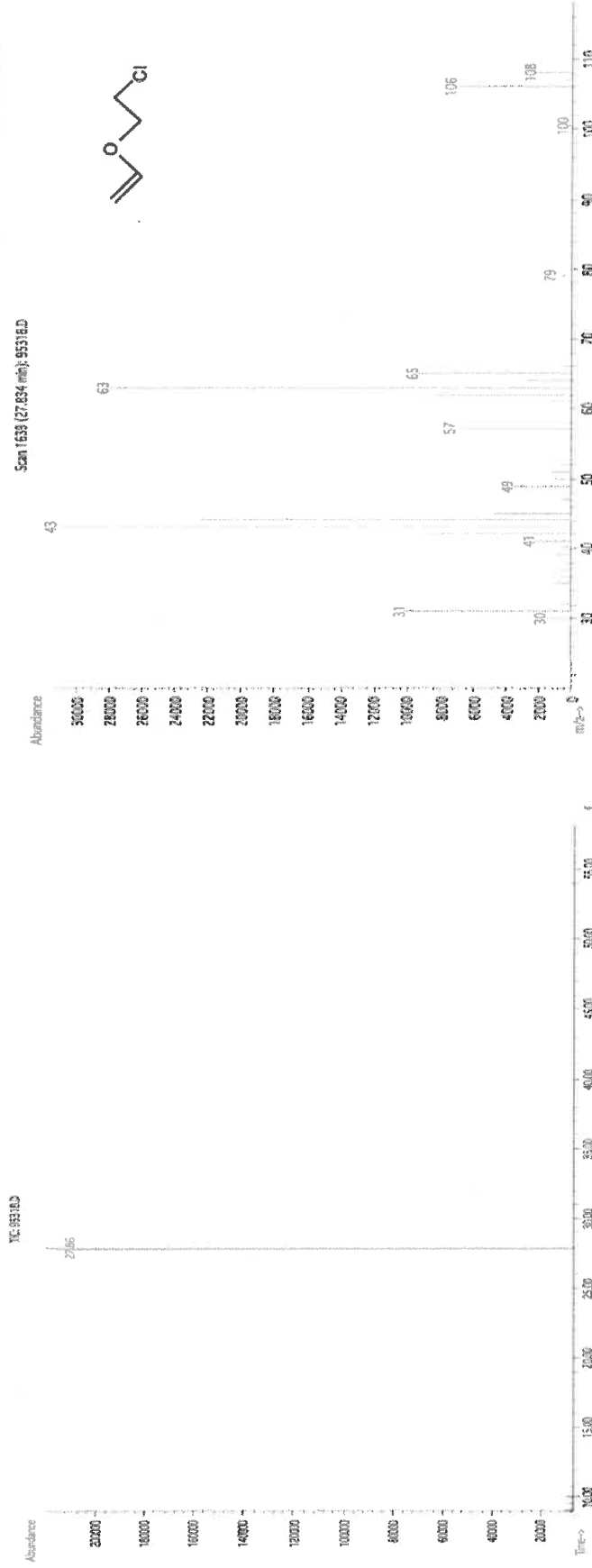
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By: Prashant Chauhan 120524
Reviewed By: Pedro L. Rentas 120524

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	LD50

1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	or-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp. = 220°C. Analyst: Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Safety Data Sheet (SDS)

GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol	METHYL ALCOHOL 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
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In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
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Toxic if inhaled. Causes respiratory tract irritation.
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Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

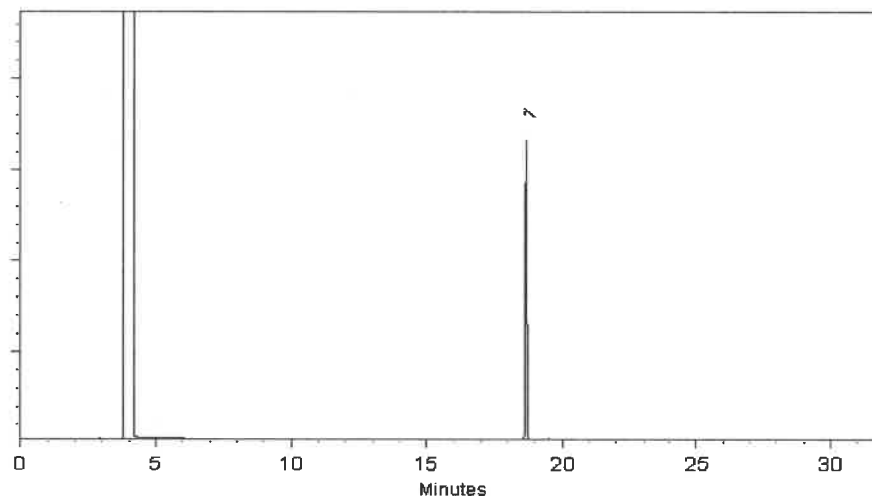
FID

Split Vent:

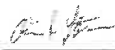
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



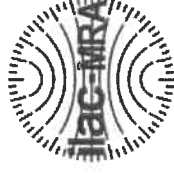
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555581 **Lot No.:** A0210184

Description: Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 11275.10105



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

www.restek.com

Dec 12/17/24
30 v. 4
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus

V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

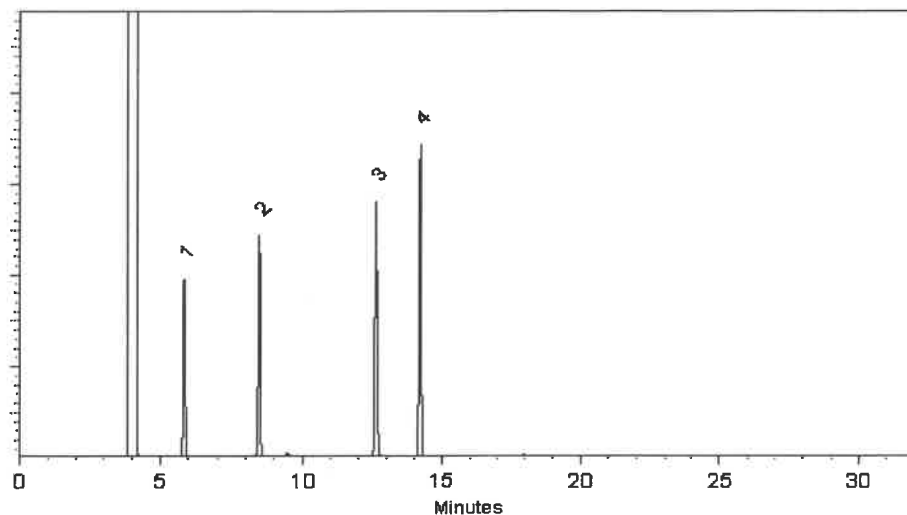
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

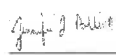


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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Dec 12/17/24
30 v. 4
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

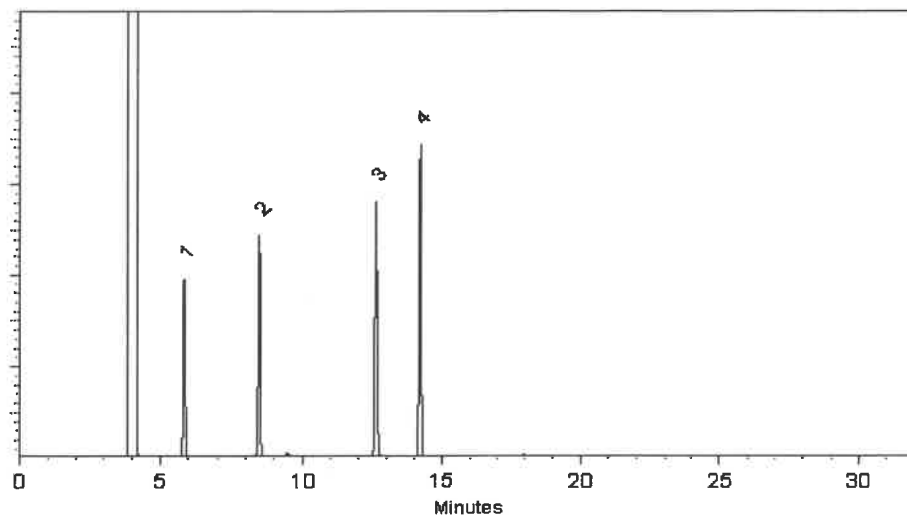
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

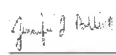


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus

V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

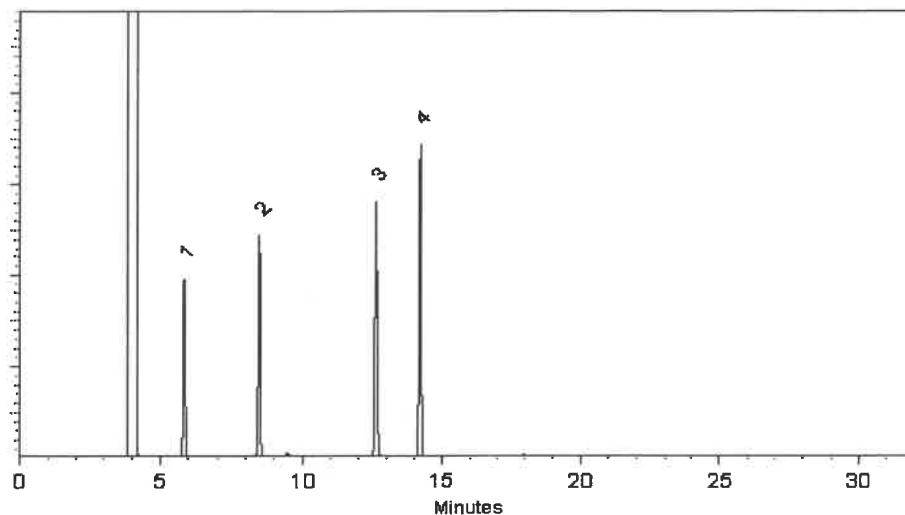
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

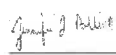


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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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10 vial.
Dec: 12/09/24
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14667-5
V14676



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

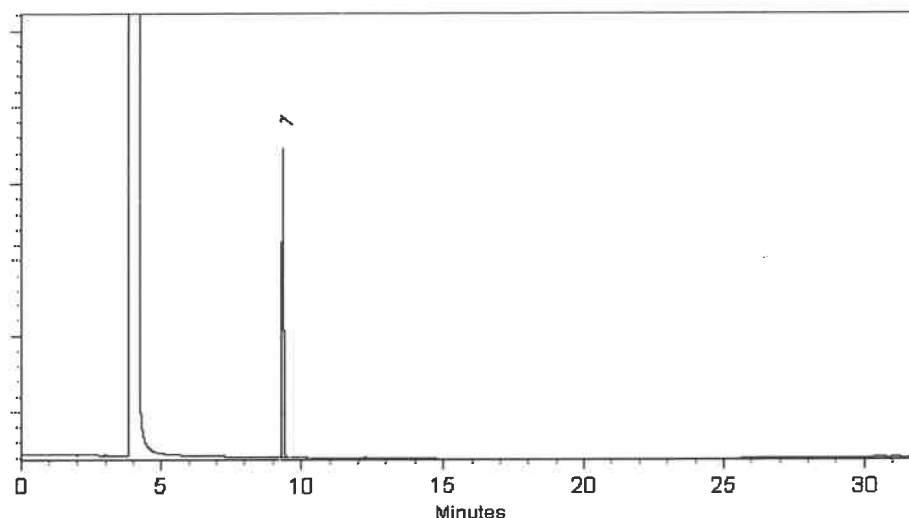
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL

30 ml
Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

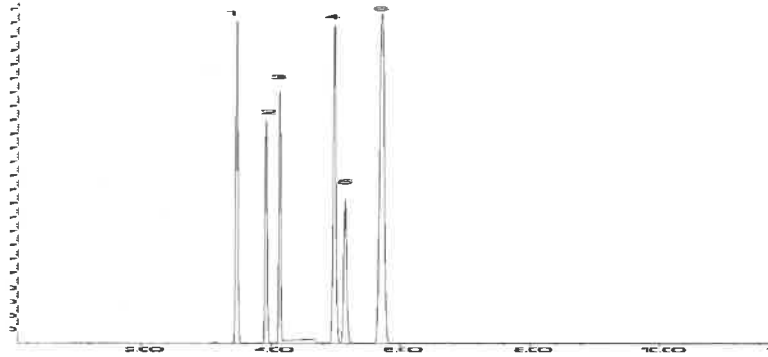
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

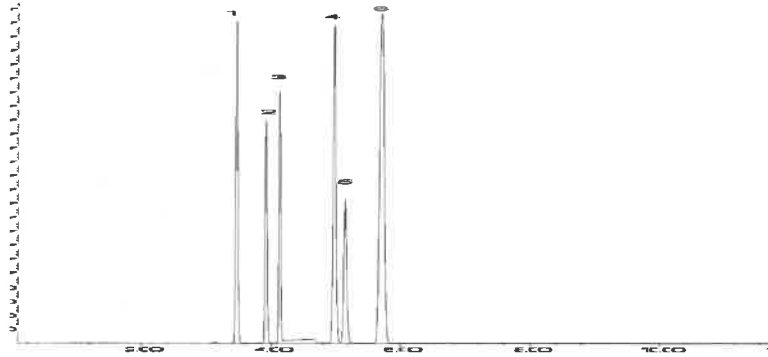
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271



Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

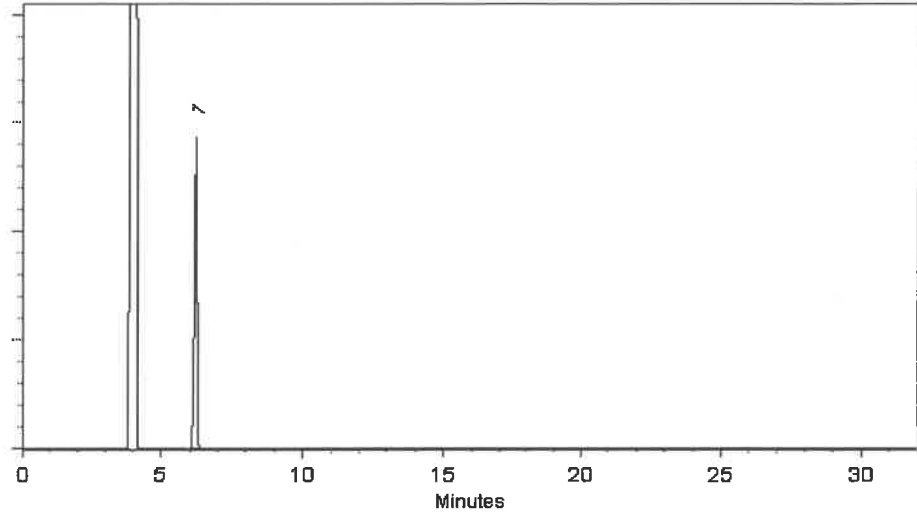
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

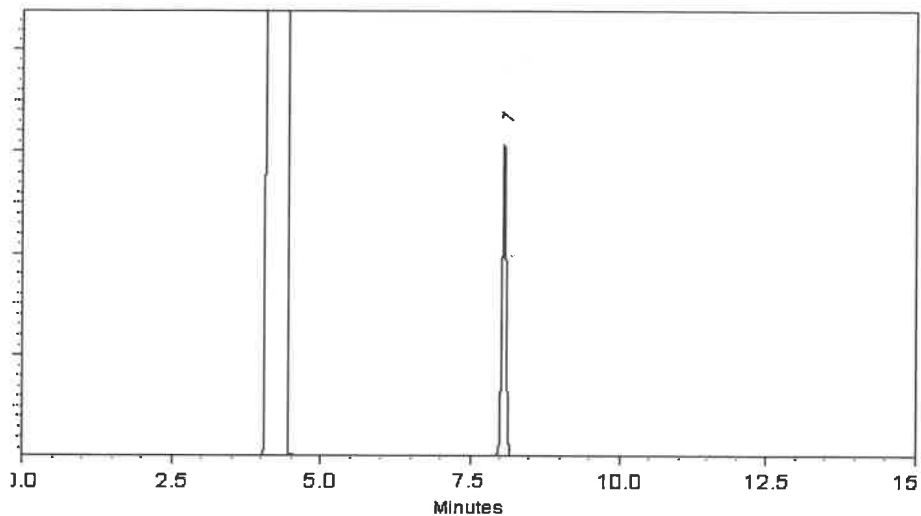
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

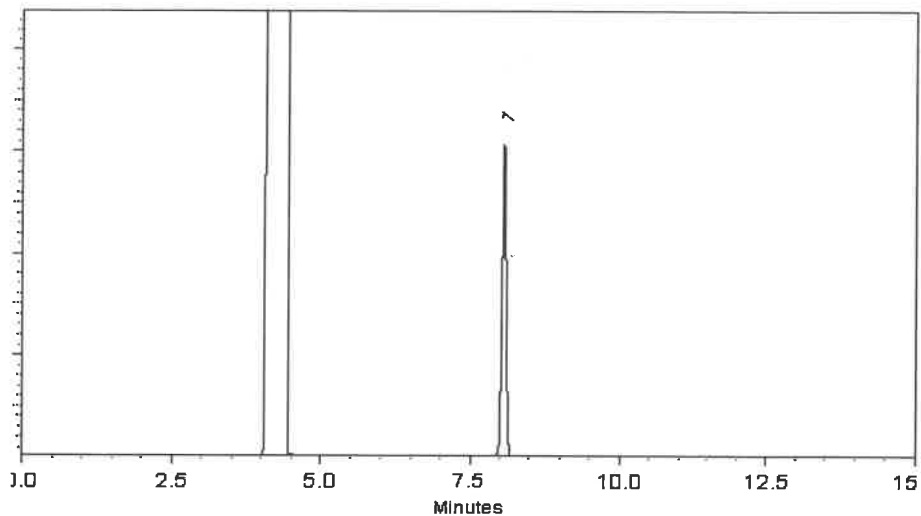
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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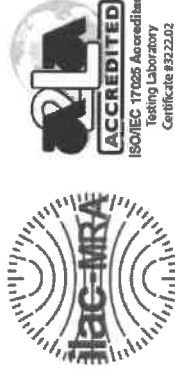
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



10 vial
See 03/31/25
V14904 to V14913

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555582 Lot No.: A0223904

Description: Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: March 31, 2028 Storage: 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federlino

Brittany Federlino - Operations Tech I

Date Mixed: 27-Mar-2025

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25
Avantor™



*V14921 to
V14938*

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 82608 CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Mark
Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
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Volatile Organic Trace Analysis - Below EPA 82608 CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Mark
Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25
Avantor™



*V14921 to
V14938*

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 82608 CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



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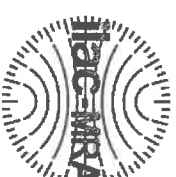
CERTIFIED REFERENCE MATERIAL

See 05113125
20 vial

Certificate of Analysis

chromatographic plus

✓ 149516 ✓ 14970



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30489 Lot No.: A0222076

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2026 Storage: -20°C or colder

Handling: This product is photosensitive. Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this



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Bellefonte, PA 16823-8812
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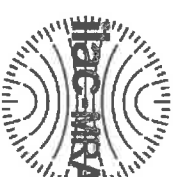
CERTIFIED REFERENCE MATERIAL

22 05113125
20 vial

Certificate of Analysis

chromatographic plus

✓ 149516 ✓ 14970



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0222076

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2026 Storage: -20°C or colder

Handling: This product is photosensitive. Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this



Certified Reference Material CRM



Re 101625 5109

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
101625
Acrolein

Solvent(s):
Water

Lot#
041725Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

111625
Refrigerate (2°C to 8°C)
5000
6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

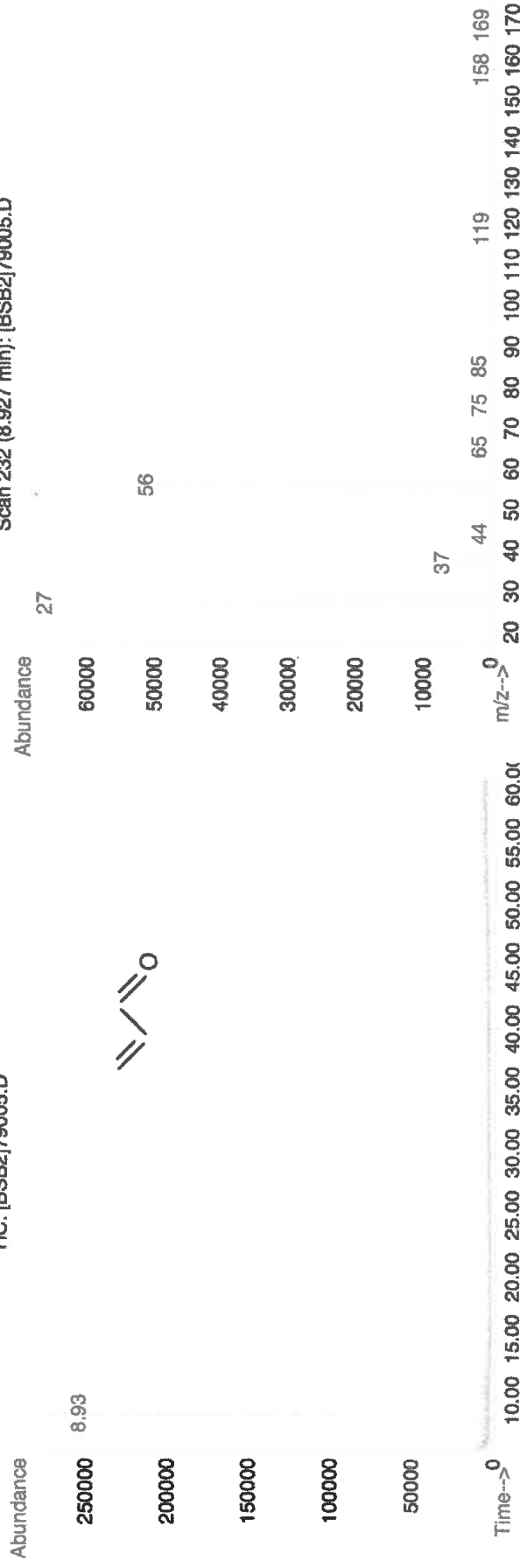
10.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

1. Acrolein 5 103755V10F 5000 97 0.5 0.05166 0.05180 5013.7 52.6 107-02-8 0.1 ppm orl-rat 48mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Columns: Vool (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Renteria. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI Kilogram (see above).
• Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
Rev 1A, 2/25/2025



Certified Reference Material CRM



Rec 10/16/25 5:10p

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
101625
Acrolein

Solvent(s):
Water

Lot#
041725Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

111625
Refrigerate (2°C to 8°C)
5000
6UTB

115071-115075

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

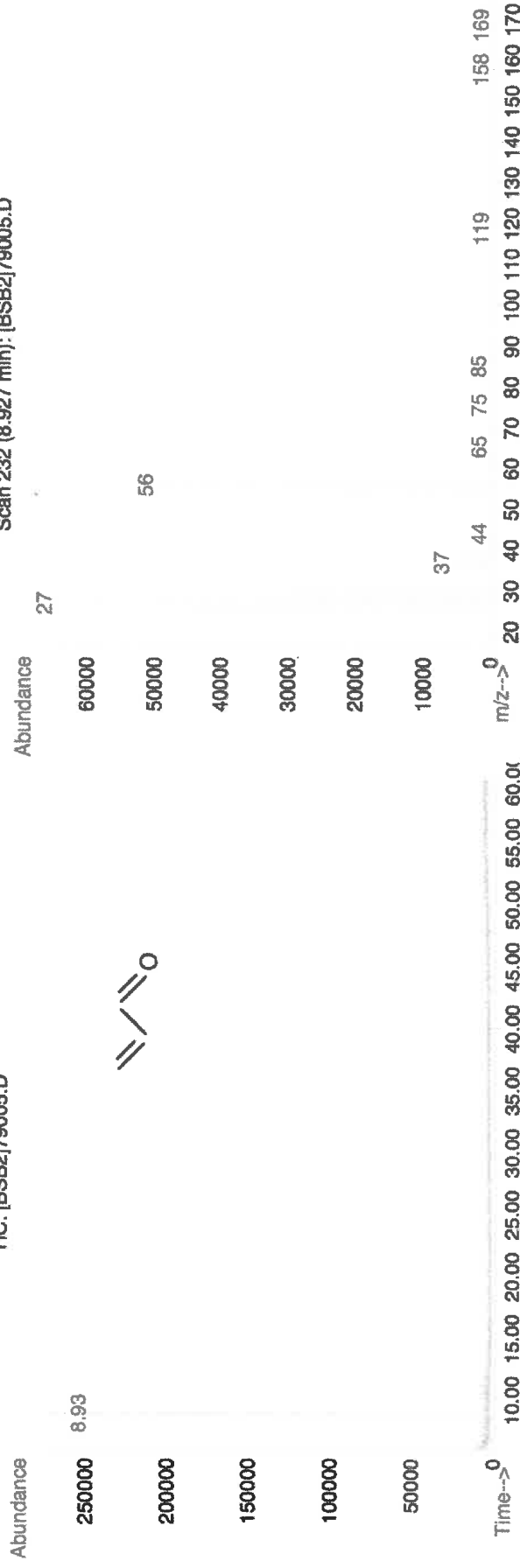
10.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

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Rev 1A, 2/25/2025



Certified Reference Material CRM



Rec 10/16/25 5:10p

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
101625
Acrolein

Solvent(s):
Water

Lot#
041725Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

111625
Refrigerate (2°C to 8°C)
5000
6UTB

11507H-115075

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

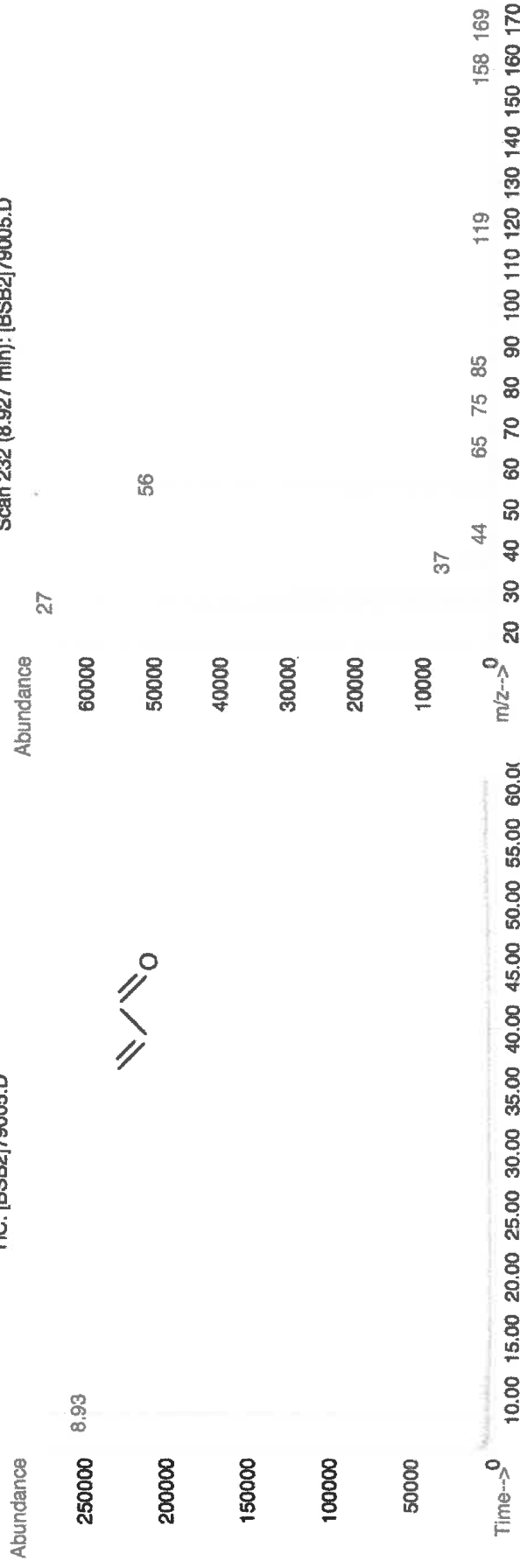
10.0

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Rev 1A, 2/25/2025



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: ENTACT LLC
ADDRESS: 150 Bay St.
CITY Jersey City STATE: NJ ZIP: 07032
ATTENTION: Austin Farmerie
PHONE: FAX:

PROJECT NAME: Whitaker Coatings
PROJECT NO.: E9125 LOCATION: North Brunswick
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: ENTACT LLC PO#: E9125B
ADDRESS: 999 Oakmont Plaza drive 300
CITY Westmont STATE: FL ZIP: 60559
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 5 TAT DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TCL VOCs
2. SVOCs, PCBs, Pest.
3. WJDER EPH
4. Herb.
5. TH. Met. Heavy
6. Chemo. - Trivalent
7. Hex. Chemo. Cyp.
8. SEE ATTACHED
9.

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

OF BOTTLES

PRESERVATIVES

COMMENTS

Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# OF BOTTLES	E/F	E	E	E	E	E	E	E	E	COMMENTS
1.	EME - Top Soil	S.	X	11-12	1000	9	X	X	X	X	X	X	X	X	
2.	EME - General Fill	S.	X	11-12	1015	9	X	X	X	X	X	X	X	X	
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 11-12-25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: No cooler - ROC in folder
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

No problem, please confirm this is a bottle order request?

Can you please provide project name so we can enter.

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Nathan Bennett <nbennett@entact.com>
Sent: Wednesday, November 12, 2025 8:55 AM
To: Jordan Hedvat <jordan.hedvat@alliancetg.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Fill Material Sampling - ENTACT

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Jordan-

Austin, CC'd, is collecting 2 different fill sources that we will need to perform the following tests:

- a. Target Compound List (TCL) VOCs (USEPA SW 846 Method 8260)
- b. TCL SVOCs (USEPA SW-846 Method 8270)
- c. PCBs (USEPA SW-846 Method 8082)
- d. Extractable Petroleum Hydrocarbons (EPH) (NJDEP EPH Method Version 3.0)
- e. Pesticides (USEPA SW-846 Method 8081)
- f. Herbicides (USEPA SW-846 Method 8151)
- g. Target analyte list (TAL) metals (USEPA SW-846 Method 6010)
- h. Mercury (USEPA SW846 Method 7471)
- i. Chromium - trivalent and hexavalent (USEPA SW846 Method 7196)
- j. Cyanide (USEPA SW-846 Method 9014)
- k. Per- and Polyfluoroalkyl substances (USEPA Method 537.1), and 1,4-dioxane (USEPA Method SW-846 8270d SIM)
- l. Total organic carbon (USEPA SW 846 9060 Modified)

He does not have any bottles or a COC. Last second here. Would you be able to help us out on that? He should be there sometime around 12-1.

Thanks,

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Wednesday, November 12, 2025 2:02 PM
Subject: Fw: Fill Material Samling - ENTACT

Incoming today ENTA05 - Q2511072

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Nathan Bennett <nbennett@entact.com>
Sent: Wednesday, November 12, 2025 12:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: RE: Fill Material Samling - ENTACT

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Secured by Check Point

Jordan-

As discussed, Austin, will be there within the hour with the material.

Project name will be Whittaker Coatings Site – E9125B.

Thanks,
Nate

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Wednesday, November 12, 2025 1:08 PM
To: Nathan Bennett <nbennett@entact.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Re: Fill Material Samling - ENTACT

Hi Nathan,

No problem, please confirm this is a bottle order request?

Can you please provide project name so we can enter.

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Fill Material Samling - ENTACT

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- e. Pesticides (USEPA SW-846 Method 8081)
- f. Herbicides (USEPA SW-846 Method 8151)
- g. Target analyte list (TAL) metals (USEPA SW-846 Method 6010)
- h. Mercury (USEPA SW846 Method 7471)
- i. Chromium - trivalent and hexavalent (USEPA SW846 Method 7196)
- j. Cyanide (USEPA SW-846 Method 9014)
- k. Per- and Polyfluoroalkyl substances (USEPA Method 537.1), and 1,4-dioxane (USEPA Method SW-846 8270d SIM)
- l. Total organic carbon (USEPA SW 846 9060 Modified)

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Thanks,

Nate Bennett
ENTACT, LLC
703 S. Elmer St. | Suite 117 | Sayre, PA 18840

Cell: 607.743.2666

nbennett@entact.com



Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3618	ENTA05	Order Date : 11/12/2025 2:35:43 PM	Project Mgr :
Client Name : ENTACT		Project Name : Whittaker Coatings Site – E	Report Type : Level 1
Client Contact : Accounts Payable		Receive DateTime : 11/12/2025 2:25:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Accounts Payable			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3618-01	EME-TOP-SOIL	Solid	11/12/2025	11:00	VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3618-02	EME-GENERAL-FILL	Solid	11/12/2025	11:00	VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By :

Date / Time :


11-12-25

15:00

Received By :

Date / Time :


11/12/25

Storage Area : VOA Refridgerator Room

15:00